

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054329.D
 Acq On : 16 Mar 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:33 AM

Quant Time: Mar 16 05:06:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1349319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2069839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1813491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	842927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	728906	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.59	113	680139	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.09	98	2445599	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	841264	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	616914	48.241	ug/l	98
3) Chloromethane	2.06	50	599155	48.233	ug/l	100
4) Vinyl Chloride	2.19	62	668882	47.111	ug/l	99
5) Bromomethane	2.57	94	387170	39.373	ug/l	97
6) Chloroethane	2.71	64	410100	47.739	ug/l	99
7) Trichlorofluoromethane	3.02	101	861297	45.627	ug/l	100
8) Diethyl Ether	3.41	74	465018	54.058	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	694120	49.070	ug/l	99
10) Methyl Iodide	3.94	142	953781	47.554	ug/l	98
11) Tert butyl alcohol	4.82	59	263455	268.183	ug/l	98
12) 1,1-Dichloroethene	3.73	96	711545	50.760	ug/l	97
13) Acrolein	3.61	56	178223	191.456	ug/l	99
14) Allyl chloride	4.31	41	857804	47.694	ug/l	99
15) Acrylonitrile	4.99	53	1172240	290.497	ug/l	100
16) Acetone	3.82	43	837509	204.124	ug/l	99
17) Carbon Disulfide	4.04	76	1542496	43.895	ug/l	99
18) Methyl Acetate	4.33	43	539400	64.980	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1877580	54.037	ug/l	99
20) Methylene Chloride	4.54	84	761123	56.496	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	677499	50.443	ug/l	99
22) Diisopropyl ether	5.96	45	1908823	53.177	ug/l	96
23) Vinyl Acetate	5.90	43	7031202	265.667	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1181733	51.273	ug/l	100
25) 2-Butanone	6.85	43	1360110	282.438	ug/l	99
26) 2,2-Dichloropropane	6.82	77	658661	32.497	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	796322	53.145	ug/l	95
28) Bromochloromethane	7.19	49	481159	51.066	ug/l	95
29) Tetrahydrofuran	7.22	42	901631	291.200	ug/l	98
30) Chloroform	7.37	83	1268878	52.759	ug/l	99
31) Cyclohexane	7.65	56	1025260	47.519	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1107068	50.968	ug/l	100
36) 1,1-Dichloropropene	7.79	75	947054	49.684	ug/l	99
37) Ethyl Acetate	6.94	43	595767	54.396	ug/l	99
38) Carbon Tetrachloride	7.77	117	963219	48.187	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1050907	44.809	ug/l	98
40) Benzene	8.04	78	2823461	51.763	ug/l	100
41) Methacrylonitrile	7.18	41	321082	51.344	ug/l	94
42) 1,2-Dichloroethane	8.13	62	944264	51.275	ug/l	99
43) Isopropyl Acetate	8.17	43	1026199	53.379	ug/l	98
44) Trichloroethene	8.83	130	857745	50.620	ug/l	99
45) 1,2-Dichloropropane	9.12	63	710268	52.440	ug/l	99
46) Dibromomethane	9.21	93	485074	53.006	ug/l	99
47) Bromodichloromethane	9.40	83	958456	52.243	ug/l	98
48) Methyl methacrylate	9.20	41	548341	56.204	ug/l	97
49) 1,4-Dioxane	9.21	88	164584	1192.638	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3030795	297.902	ug/l	99
52) Toluene	10.16	92	1801987	52.102	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	885168	42.495	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1031867	48.266	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	697003	55.192	ug/l	99
56) Ethyl methacrylate	10.43	69	859727	57.094	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1113284	53.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1616456	247.608	ug/l	100
59) 2-Hexanone	10.75	43	1916387	283.087	ug/l	98
60) Dibromochloromethane	10.90	129	744064	52.346	ug/l	99
61) 1,2-Dibromoethane	11.01	107	705633	54.984	ug/l	100
64) Tetrachloroethene	10.63	164	853002	48.649	ug/l	99
65) Chlorobenzene	11.44	112	2069706	51.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	766911	53.017	ug/l	99
67) Ethyl Benzene	11.51	91	3364314	50.969	ug/l	99
68) m/p-Xylenes	11.62	106	2644544	102.507	ug/l	99
69) o-Xylene	11.95	106	1312373	52.183	ug/l	99
70) Styrene	11.96	104	2079216	52.715	ug/l	99
71) Bromoform	12.13	173	509674	46.399	ug/l	100
73) Isopropylbenzene	12.25	105	3411924	50.592	ug/l	100
74) N-amyl acetate	12.07	43	836900	55.908	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	828916	57.690	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	685930m	55.336	ug/l	
77) Bromobenzene	12.53	156	944953	52.952	ug/l	97
78) n-propylbenzene	12.59	91	3640590	49.751	ug/l	100
79) 2-Chlorotoluene	12.68	91	2229251	50.666	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2772814	49.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158631	43.747	ug/l	95
82) 4-Chlorotoluene	12.77	91	2214967	50.416	ug/l	100
83) tert-Butylbenzene	12.99	119	2529471	48.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2797936	50.842	ug/l	100
85) sec-Butylbenzene	13.17	105	3166875	47.295	ug/l	100
86) p-Isopropyltoluene	13.29	119	2759327	46.972	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1544517	51.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1501422	50.827	ug/l	100
89) n-Butylbenzene	13.62	91	2075904	46.509	ug/l	100
90) Hexachloroethane	13.88	117	446061	45.857	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1553425	52.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	122046	54.891	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	789241	44.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	449339	40.130	ug/l	99
95) Naphthalene	15.13	128	1790904	48.549	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	799023	51.157	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

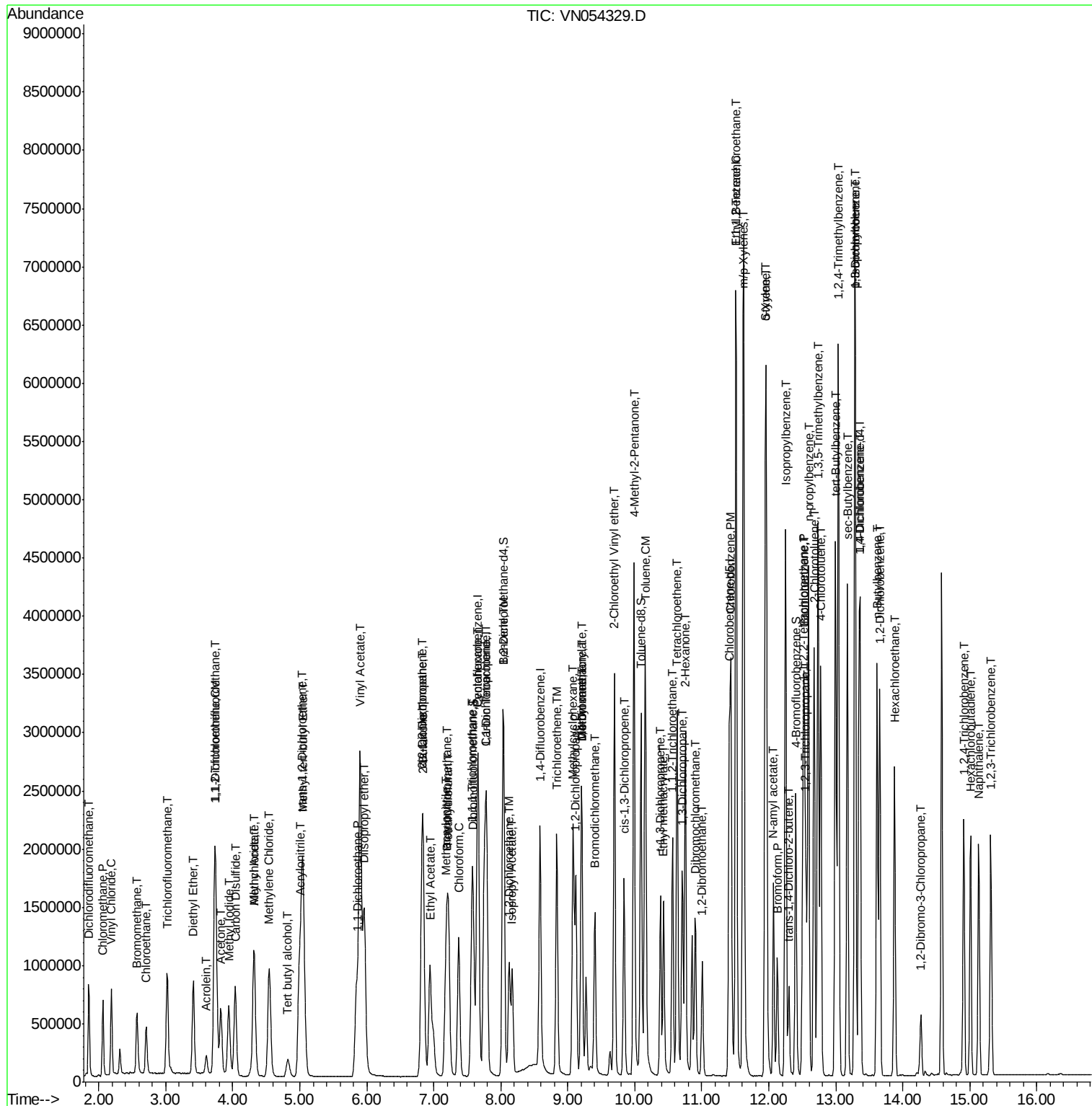
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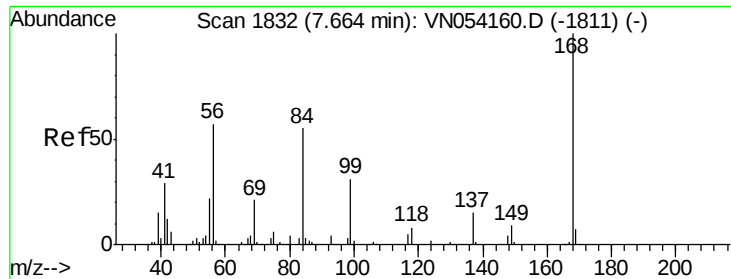
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1349319

Ion Ratio Lower Upper

168 100

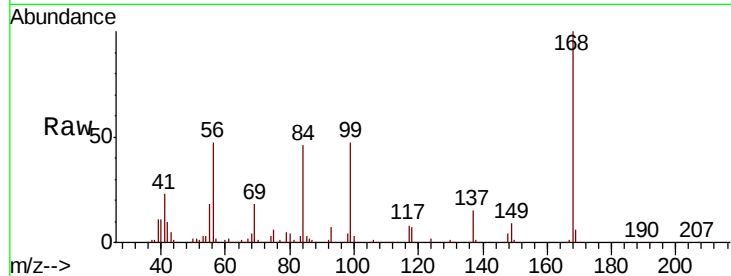
99 46.5 37.1 55.7

Manual Integrations

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3/16/2019 11:09:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

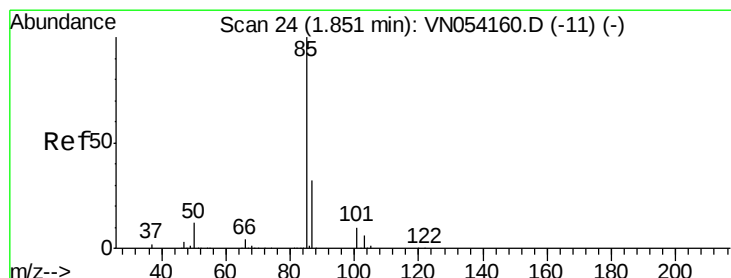
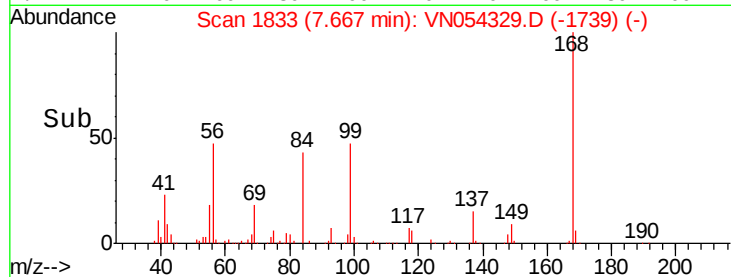
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.241 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054329.D

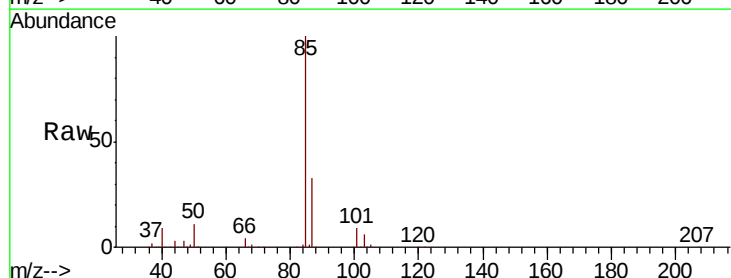
Acq: 16 Mar 2019 00:13

Tgt Ion: 85 Resp: 616914

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

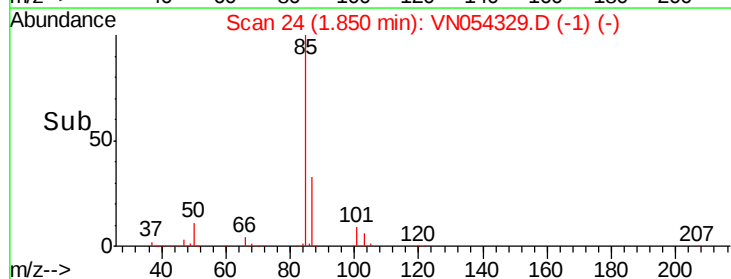
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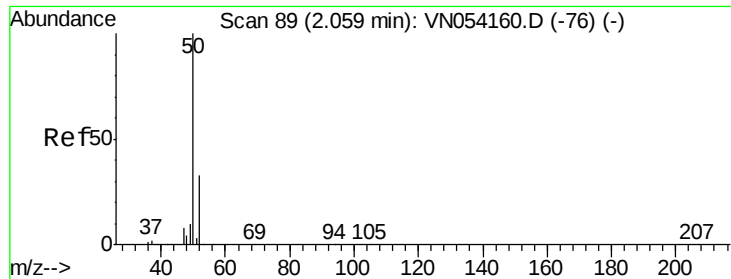
200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.233 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 599155

Ion Ratio Lower Upper

50 100

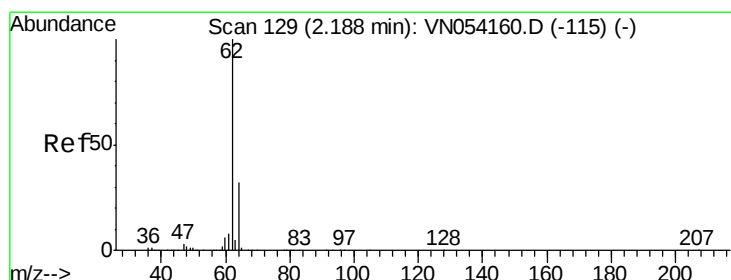
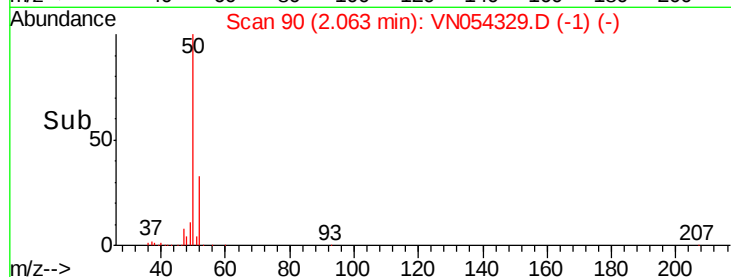
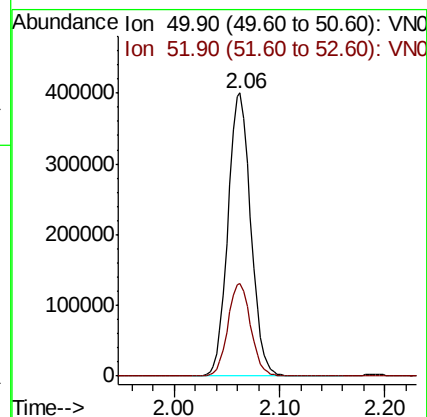
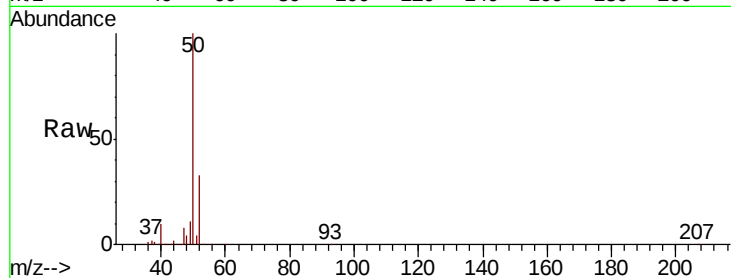
52 32.9 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.111 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054329.D

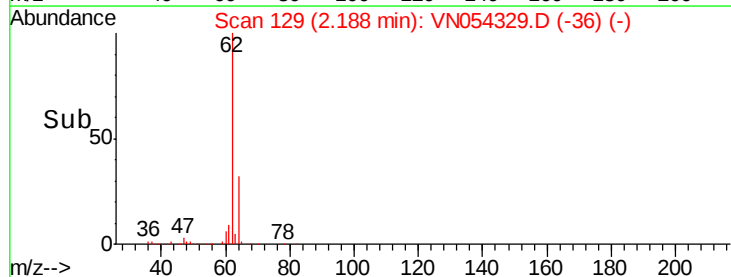
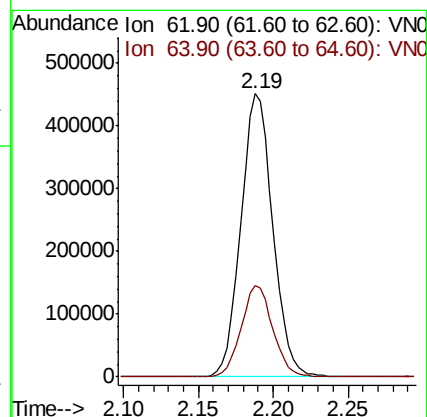
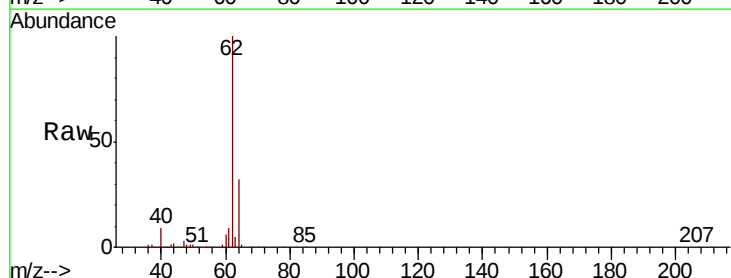
Acq: 16 Mar 2019 00:13

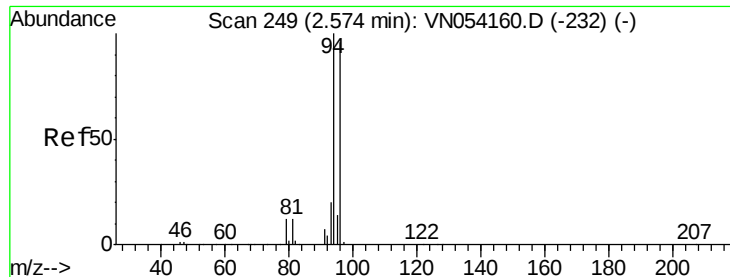
Tgt Ion: 62 Resp: 668882

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 39.373 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 387170

Ion Ratio Lower Upper

94 100

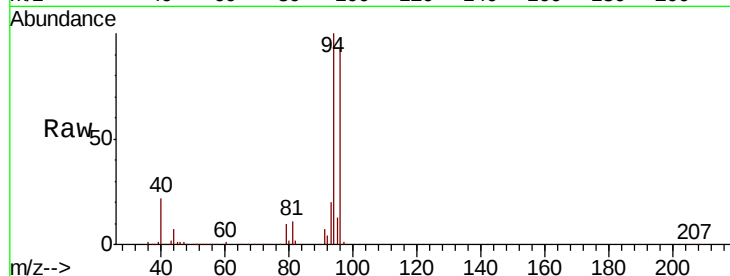
96 93.3 77.0 115.4

Manual Integrations

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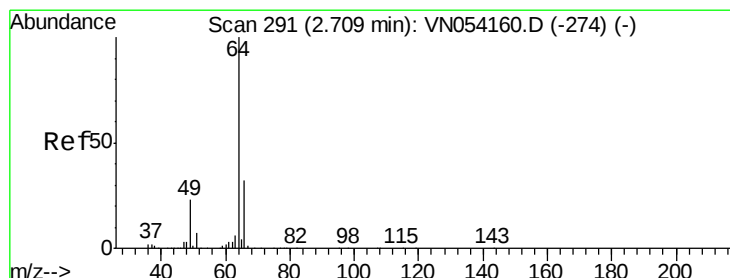
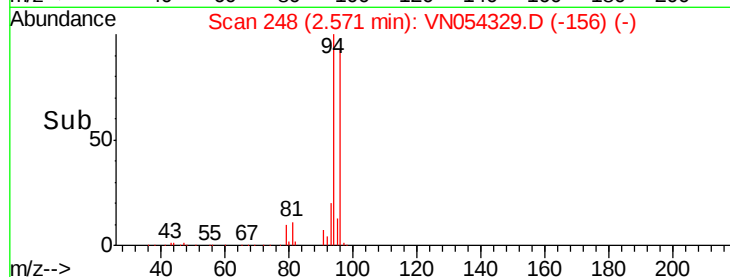
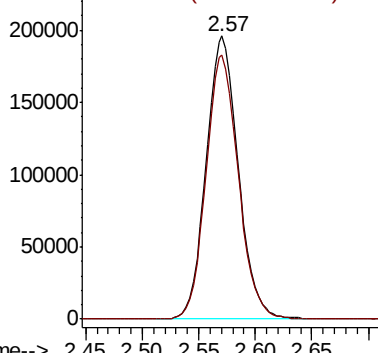
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.739 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054329.D

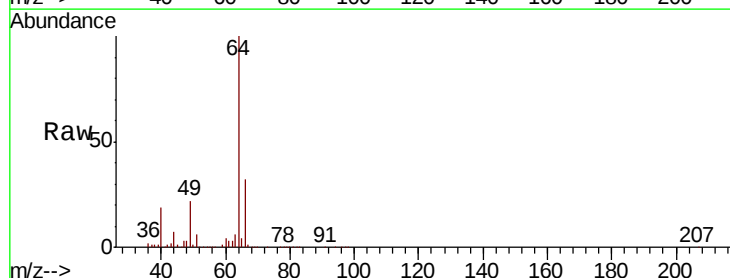
Acq: 16 Mar 2019 00:13

Tgt Ion: 64 Resp: 410100

Ion Ratio Lower Upper

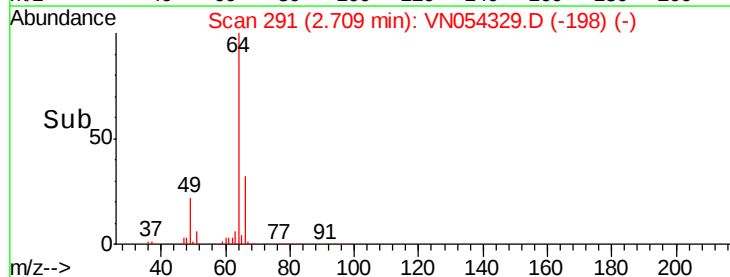
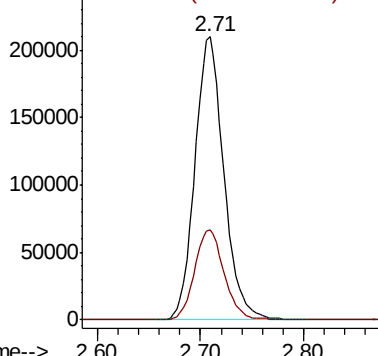
64 100

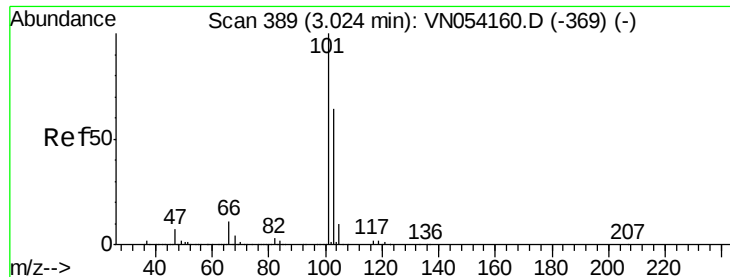
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

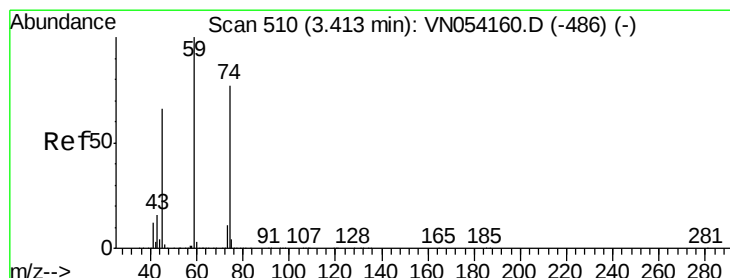
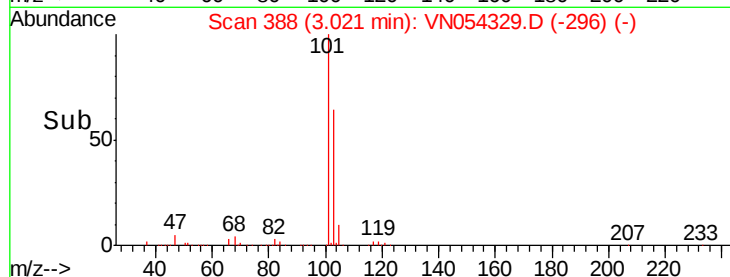
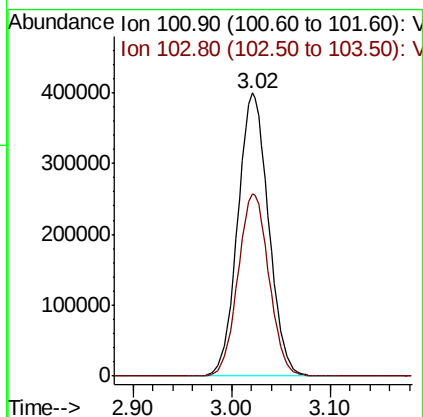
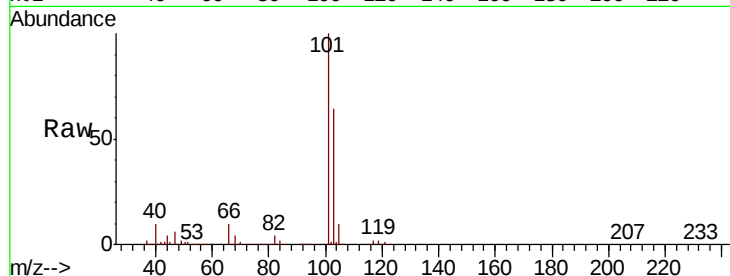
Trichlorofluoromethane
 Concen: 45.627 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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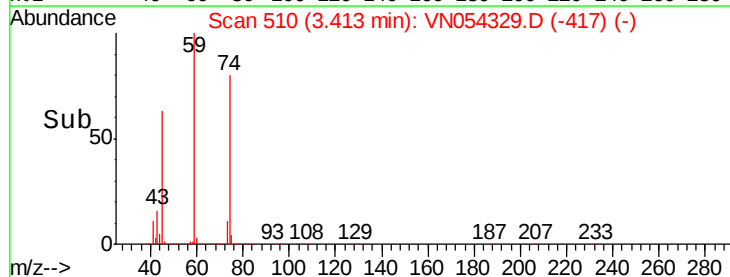
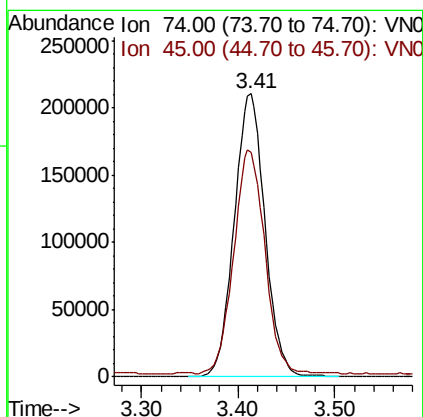
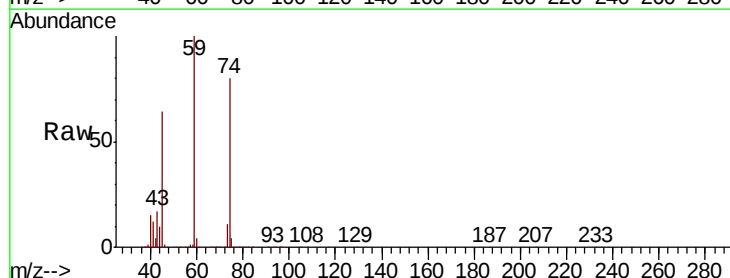
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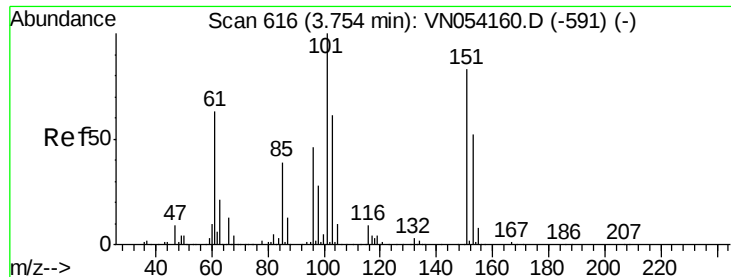


#8

Diethyl Ether
 Concen: 54.058 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.070 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

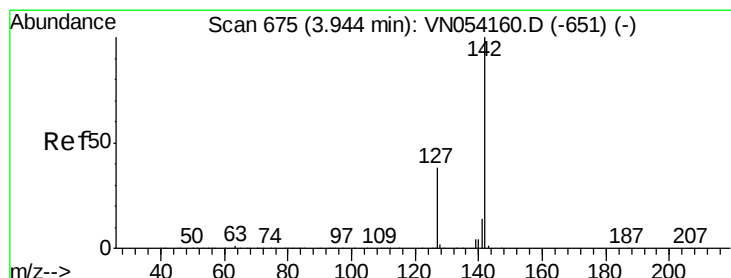
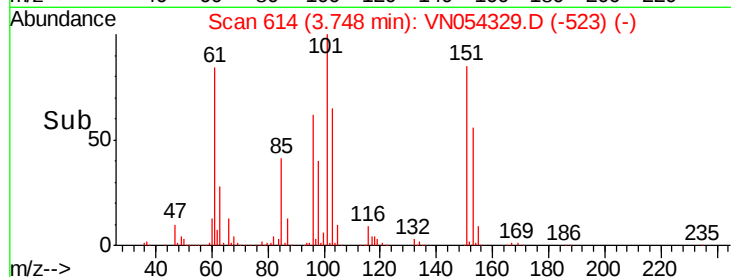
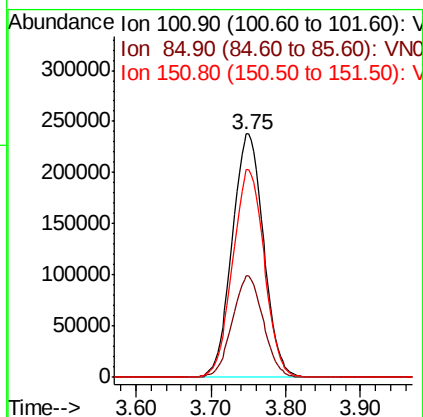
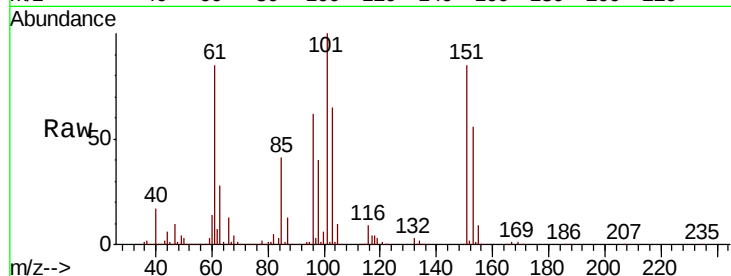
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	694120
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.4	48.6
151	85.8	68.2	102.2

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#10

Methyl Iodide

Concen: 47.554 ug/l

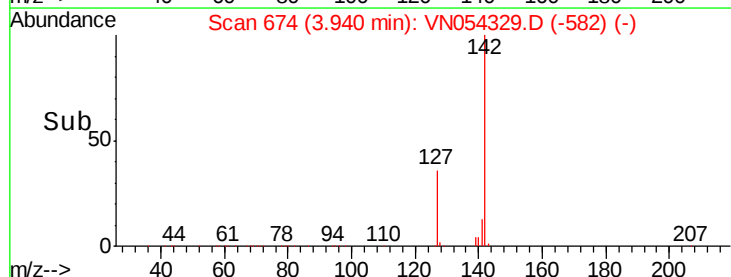
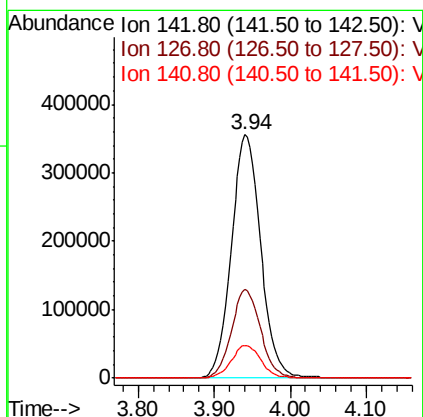
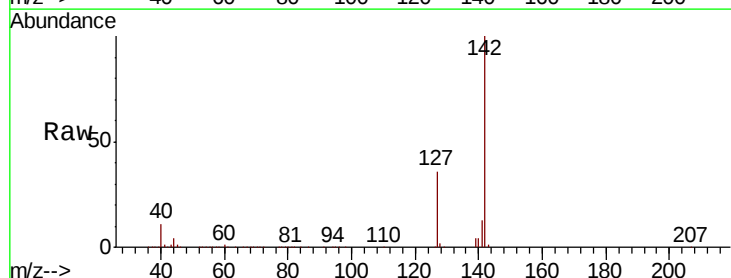
RT: 3.94 min Scan# 674

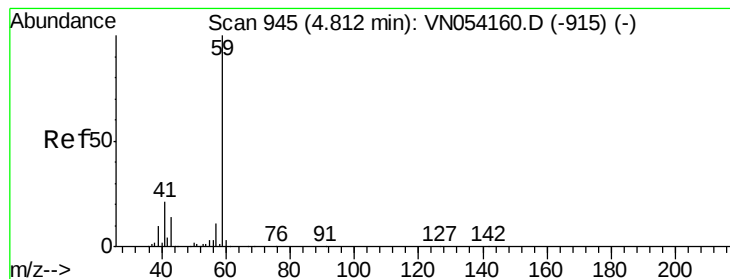
Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion:	142	Resp:	953781
Ion Ratio	Lower	Upper	
142	100		
127	36.2	30.3	45.5
141	13.6	11.2	16.8





#11

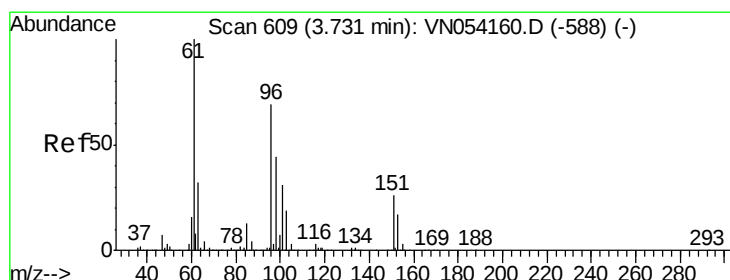
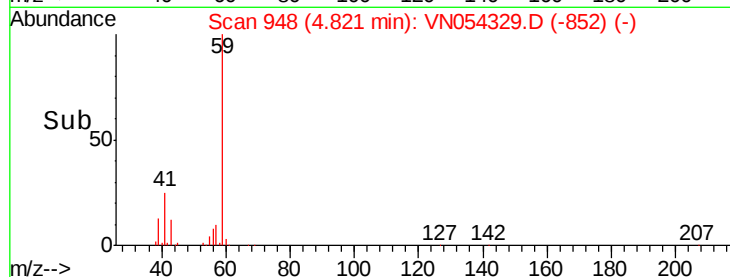
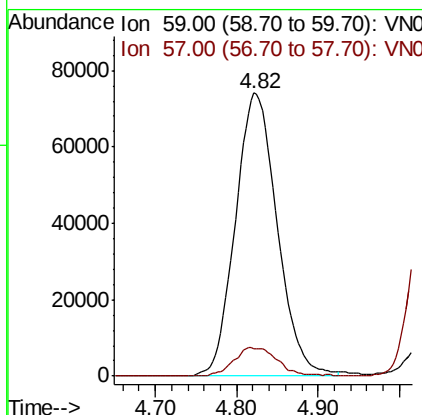
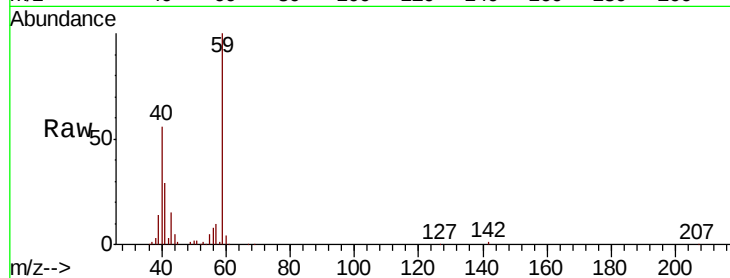
Tert butyl alcohol
 Concen: 268.183 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.6

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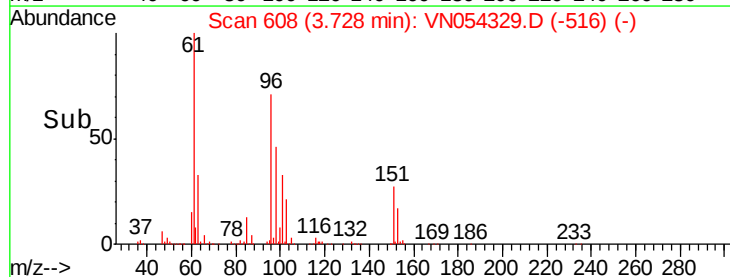
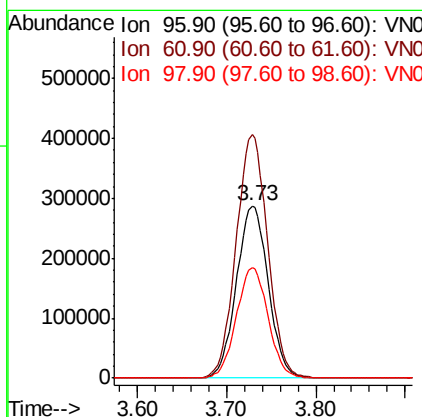
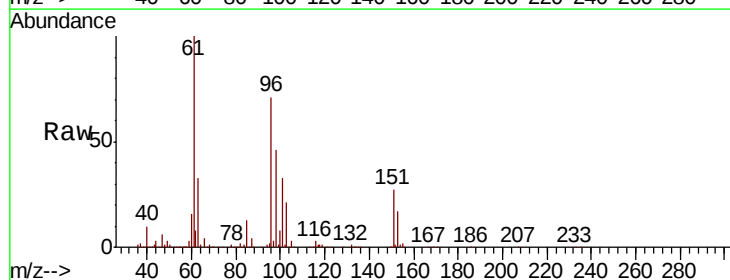
MMDadoda
 3/16/2019 11:09:33 AM

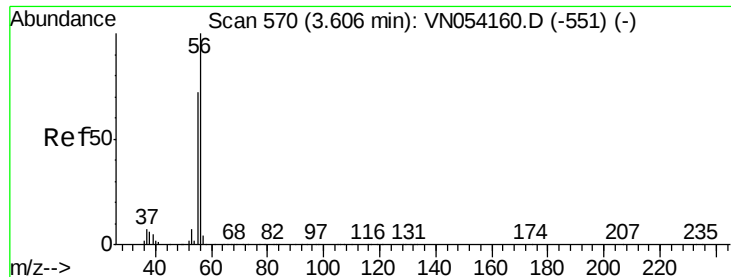


#12

1,1-Dichloroethene
 Concen: 50.760 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	116.5	174.7
98	64.4	51.0	76.4





#13

Acrolein

Concen: 191.456 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 178223

Ion Ratio Lower Upper

56 100

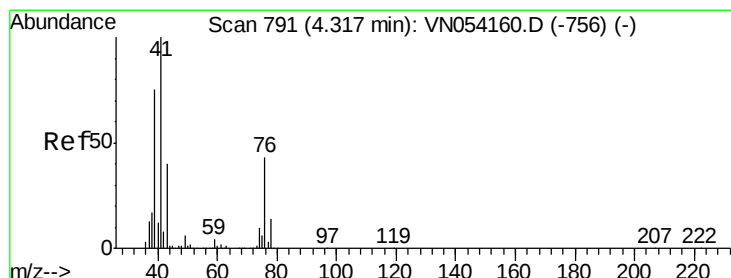
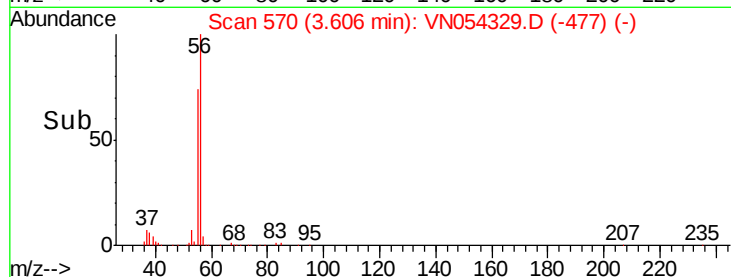
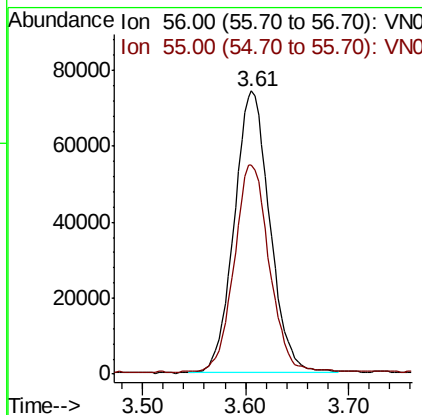
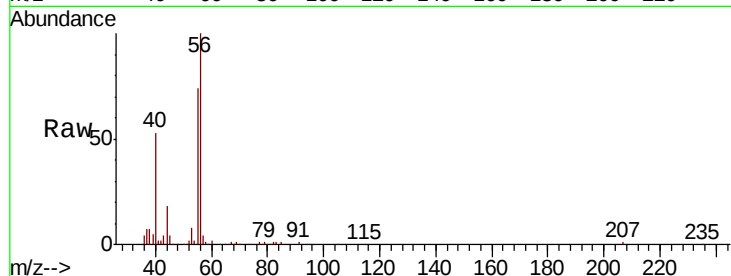
55 71.8 56.7 85.1

Manual Integrations

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3/16/2019 11:09:33 AM



#14

Allyl chloride

Concen: 47.694 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

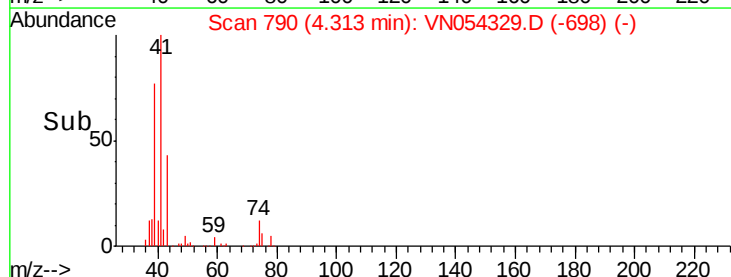
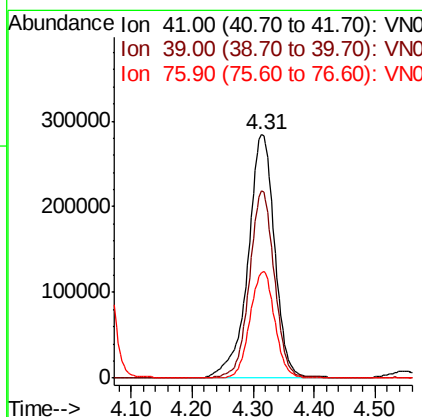
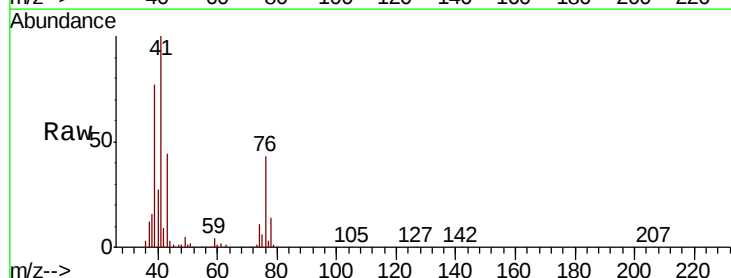
Tgt Ion: 41 Resp: 857804

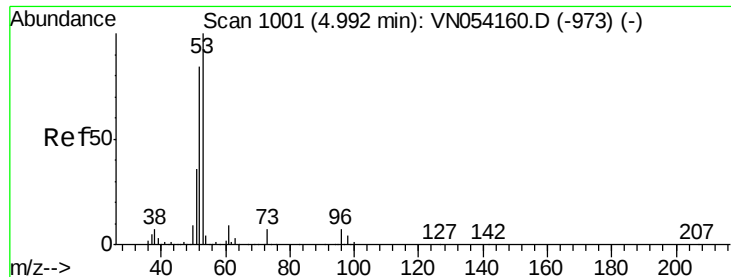
Ion Ratio Lower Upper

41 100

39 71.9 58.2 87.4

76 40.3 31.7 47.5





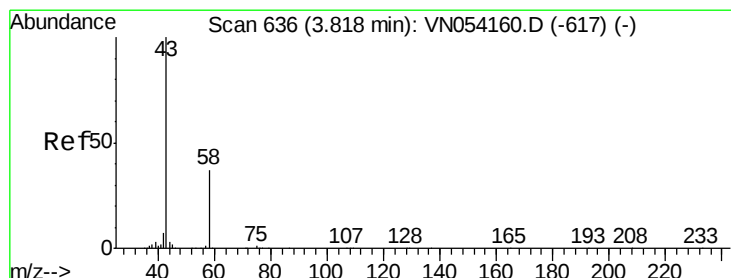
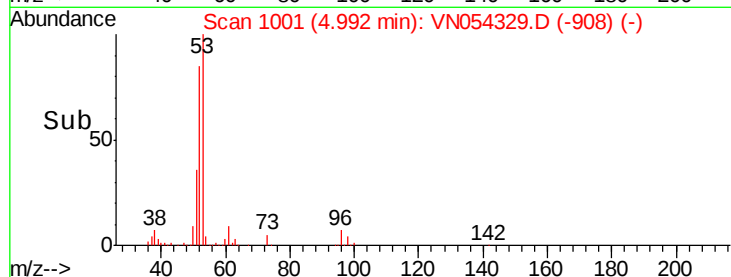
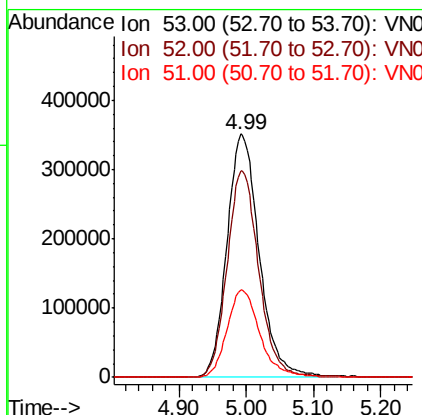
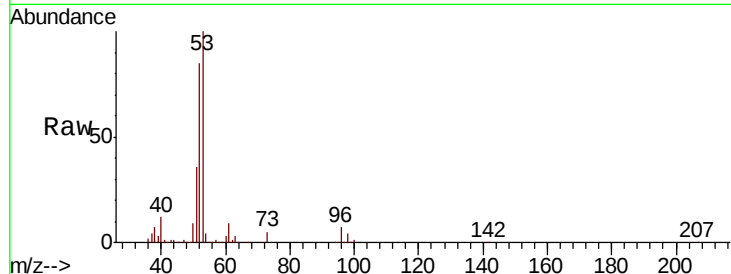
#15
 Acrylonitrile
 Concen: 290.497 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 53 Resp: 1172240
 Ion Ratio Lower Upper
 53 100
 52 83.2 66.4 99.6
 51 36.8 29.6 44.4

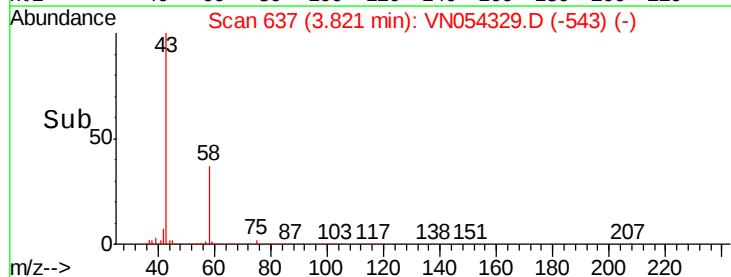
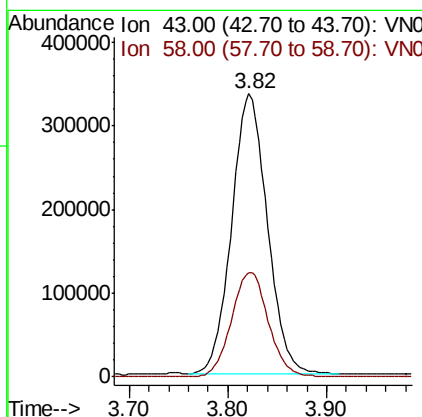
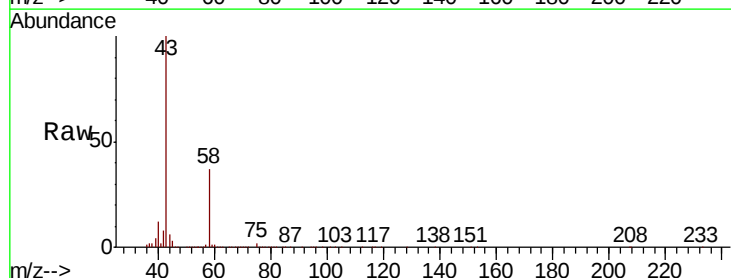
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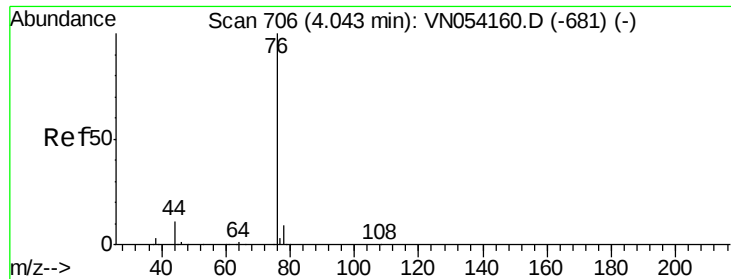
MMDadoda
 3/16/2019 11:09:33 AM



#16
 Acetone
 Concen: 204.124 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 43 Resp: 837509
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.9 44.9





#17

Carbon Disulfide

Concen: 43.895 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 1542496

Ion Ratio Lower Upper

76 100

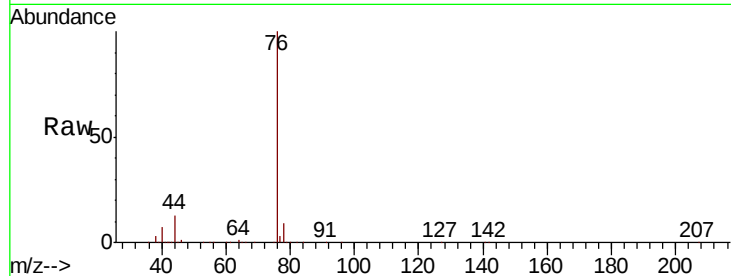
78 8.9 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VN054329.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054329.D (-613) (-)

4.04

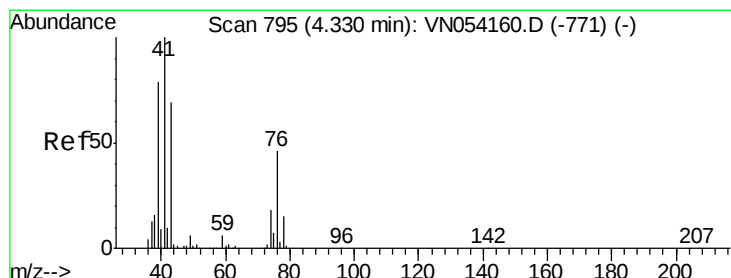
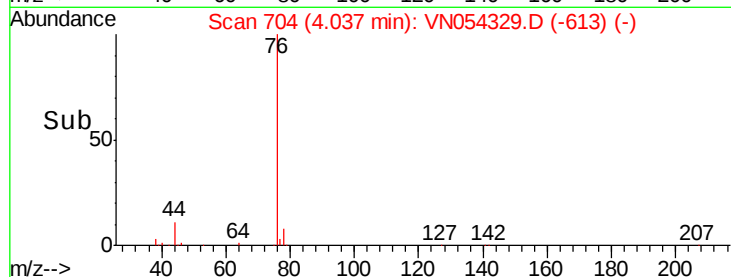
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 64.980 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054329.D

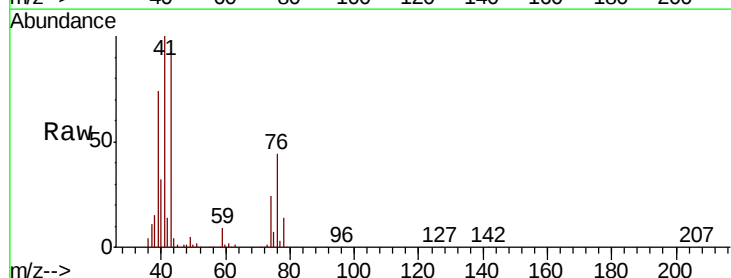
Acq: 16 Mar 2019 00:13

Tgt Ion: 43 Resp: 539400

Ion Ratio Lower Upper

43 100

74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054329.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054329.D (-702) (-)

4.33

200000

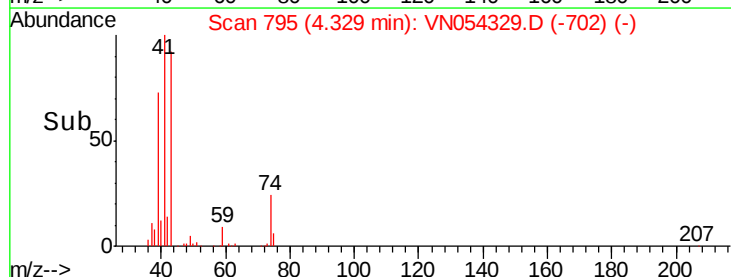
150000

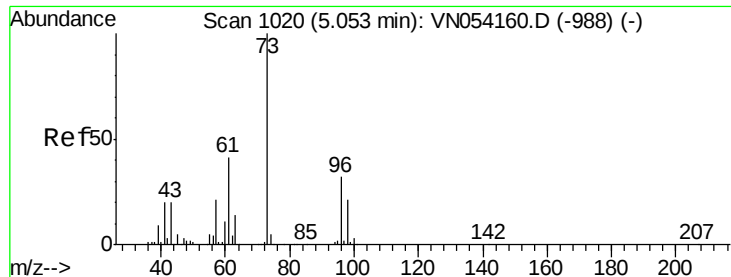
100000

50000

0

Time-->





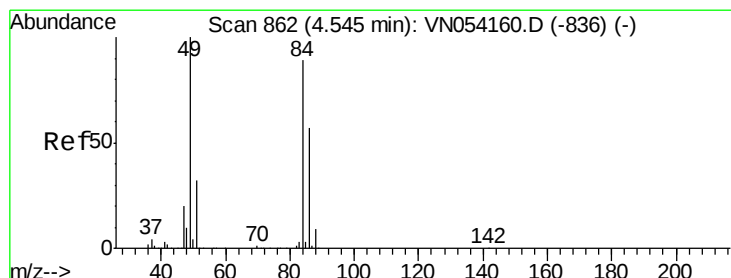
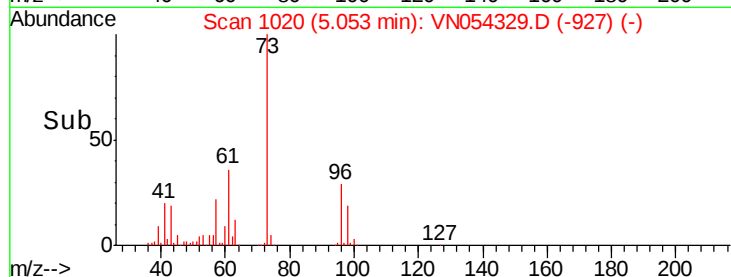
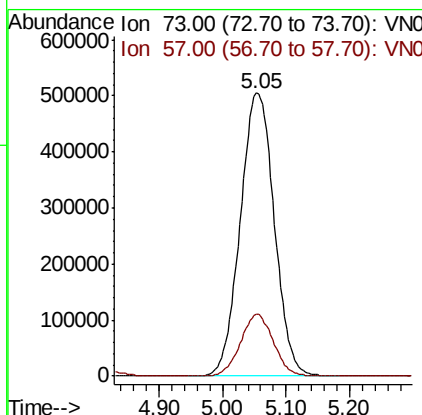
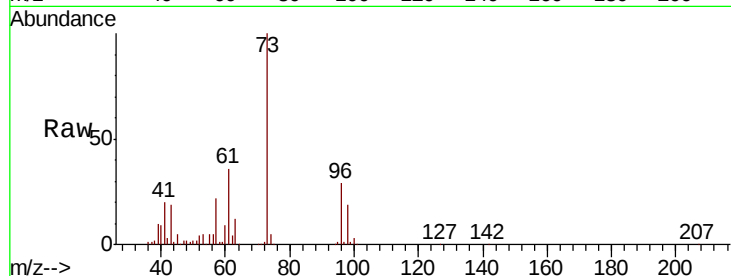
#19
Methyl tert-butyl Ether
Concen: 54.037 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1877580
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2

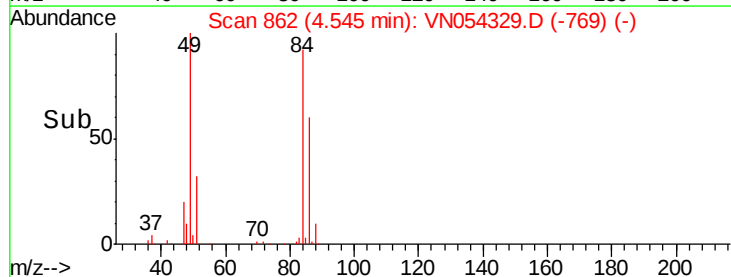
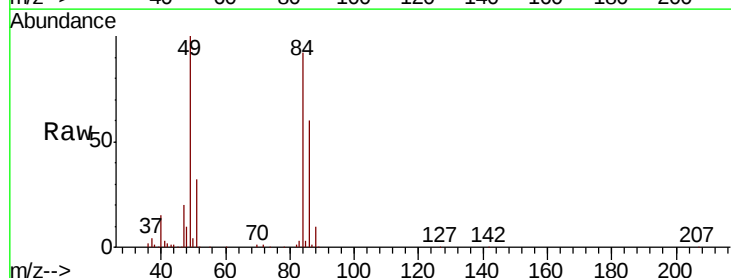
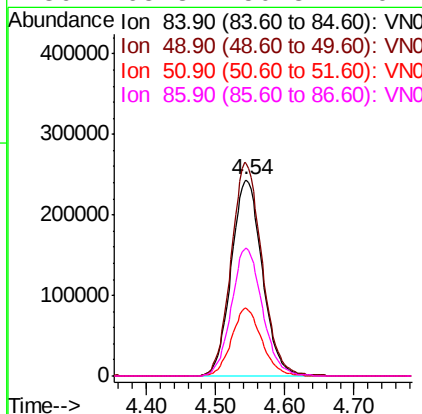
Manual Integrations
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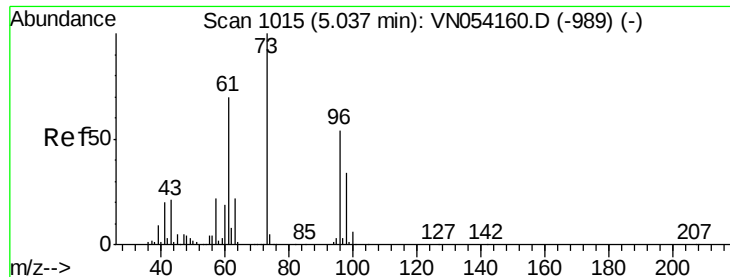
MMDadoda
3/16/2019 11:09:33 AM



#20
Methylene Chloride
Concen: 56.496 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 84 Resp: 761123
Ion Ratio Lower Upper
84 100
49 108.4 89.7 134.5
51 34.6 28.2 42.4
86 65.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.443 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 677499

Ion Ratio Lower Upper

96 100

61 126.7 102.8 154.2

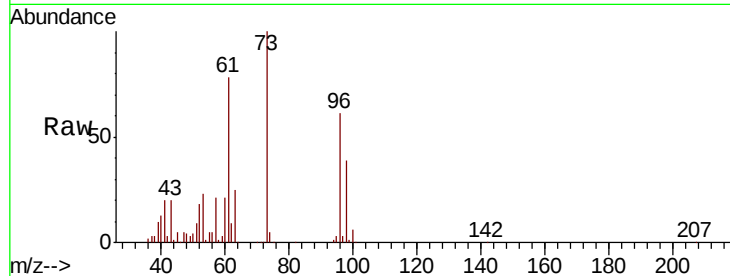
98 62.8 50.0 75.0

Manual Integrations

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MMDadoda

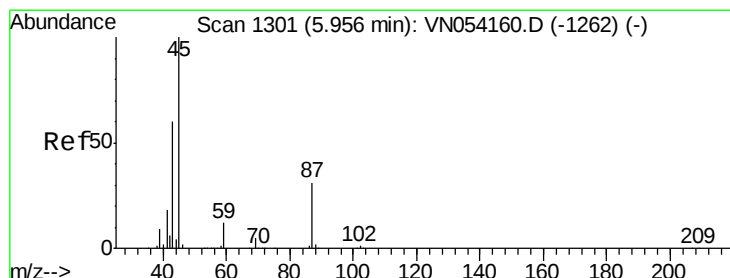
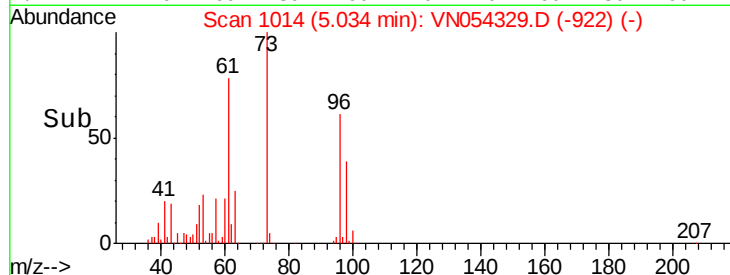
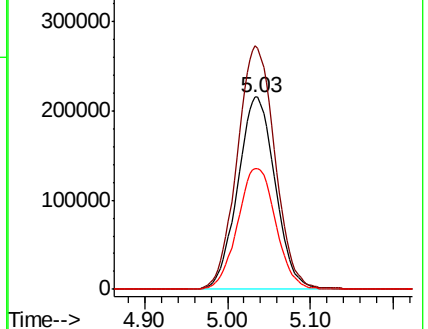
3/16/2019 11:09:33 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 53.177 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion: 45 Resp: 1908823

Ion Ratio Lower Upper

45 100

43 55.7 48.2 72.2

87 31.6 24.9 37.3

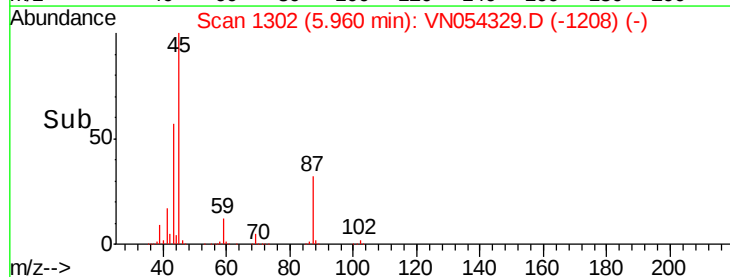
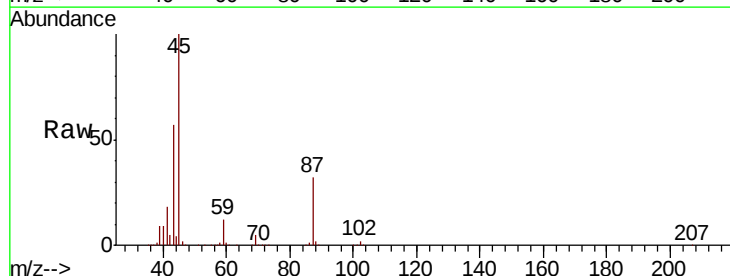
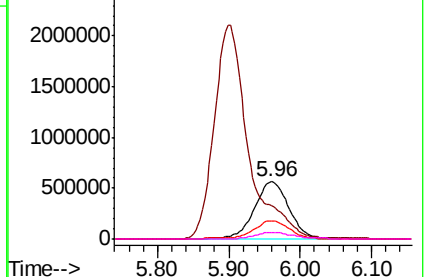
59 11.8 9.5 14.3

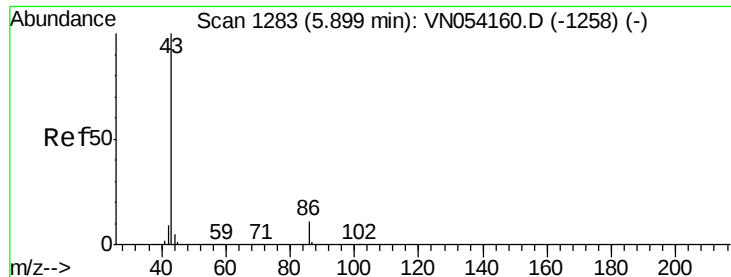
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.667 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 7031202

Ion Ratio Lower Upper

43 100

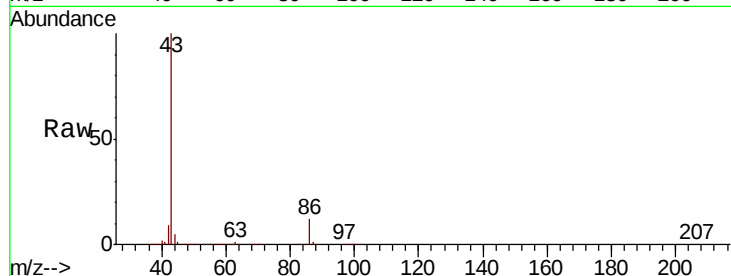
86 12.1 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN054160.D (-1258) (-)

2500000

2000000

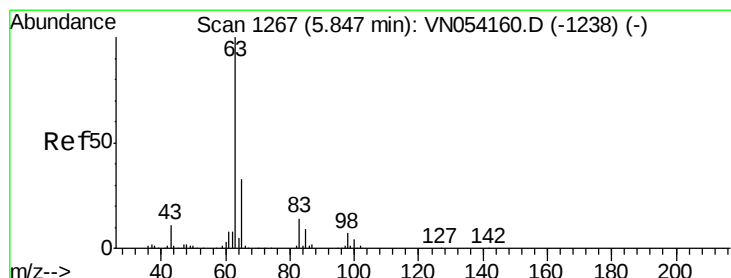
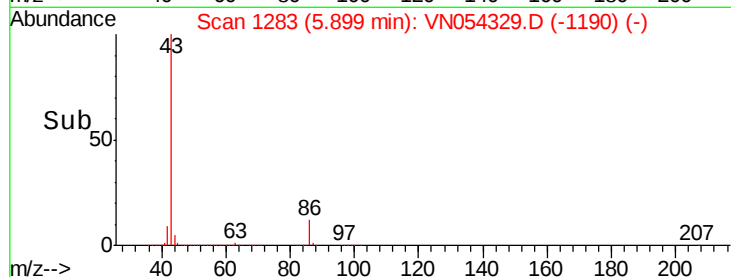
1500000

1000000

500000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 51.273 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

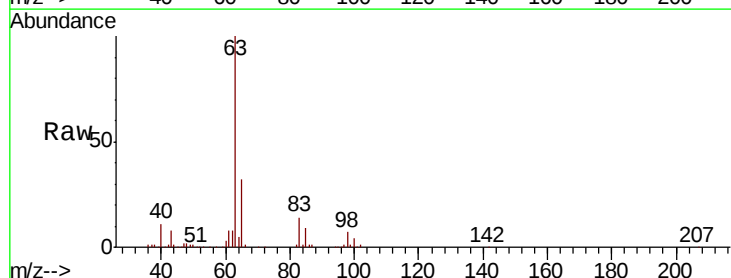
Tgt Ion: 63 Resp: 1181733

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-1238) (-)

Ion 97.90 (97.60 to 98.60): VN054160.D (-1238) (-)

Ion 99.90 (99.60 to 100.60): VN054160.D (-1238) (-)

500000

400000

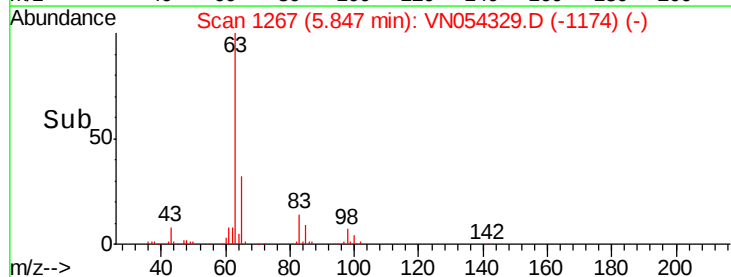
300000

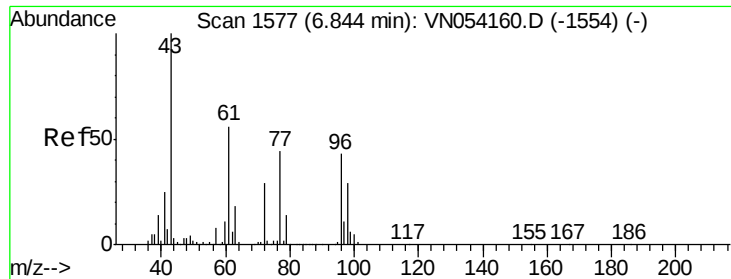
200000

100000

0

Time--> 5.70 5.80 5.90 6.00





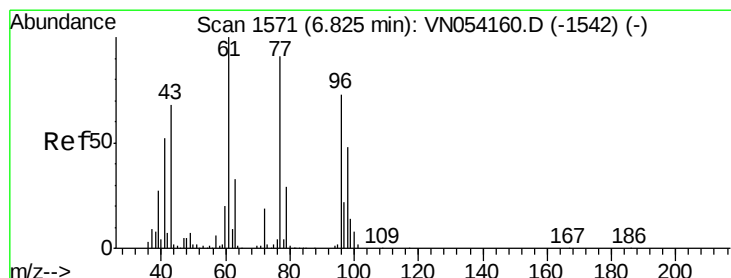
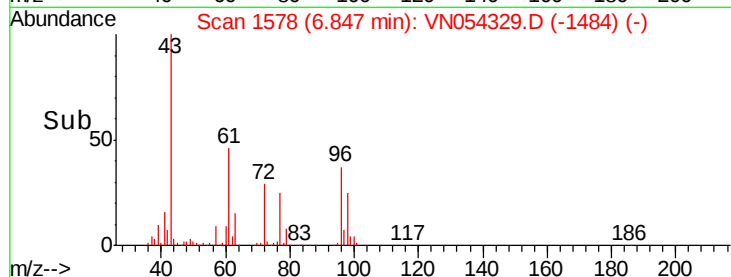
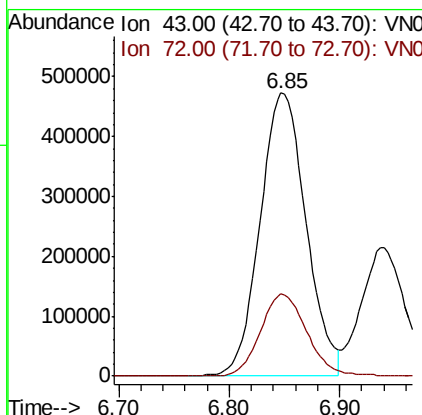
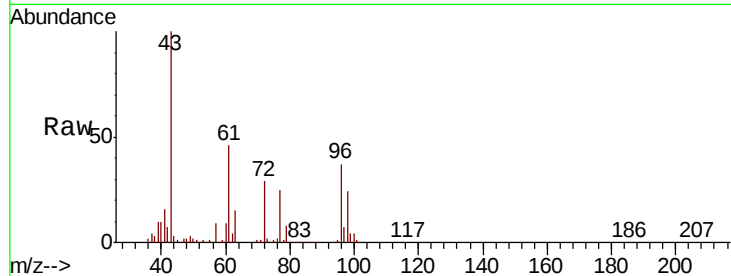
#25
2-Butanone
Concen: 282.438 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1360110
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.6

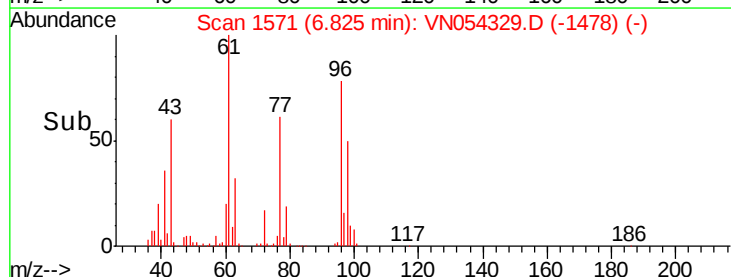
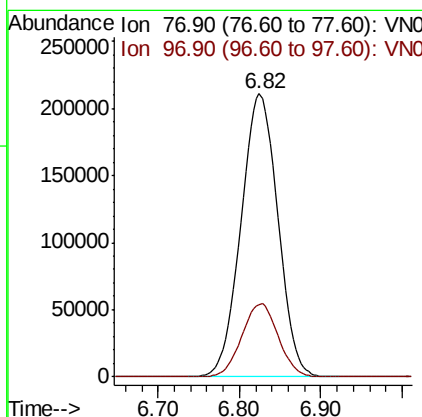
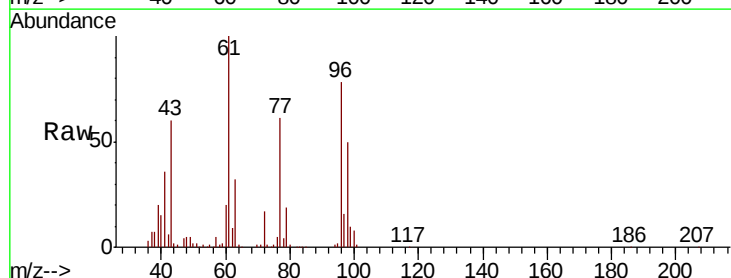
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APPROVED

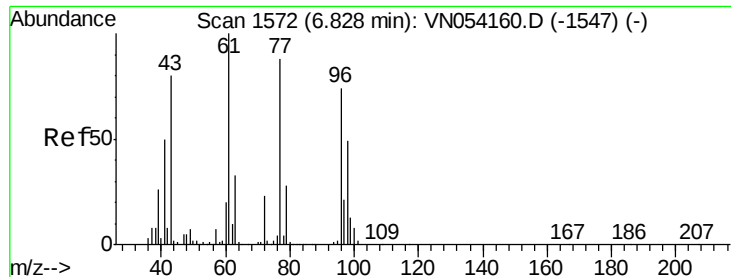
MMDadoda
3/16/2019 11:09:33 AM



#26
2,2-Dichloropropane
Concen: 32.497 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 77 Resp: 658661
Ion Ratio Lower Upper
77 100
97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.145 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

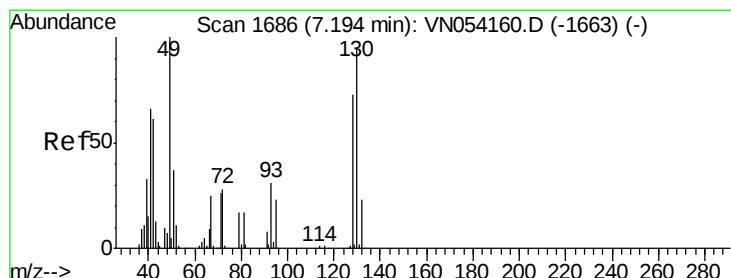
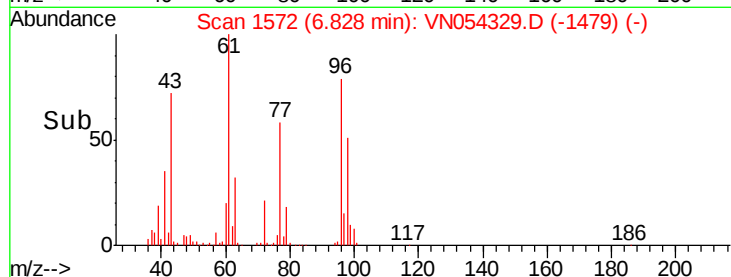
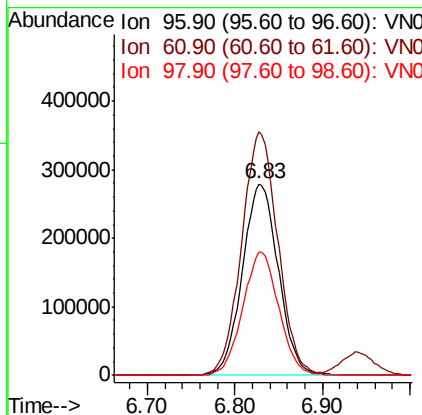
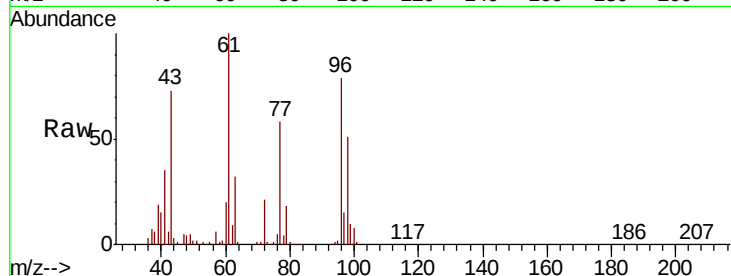
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	796322
Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	273.0
98	64.7	0.0	130.6

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3/16/2019 11:09:33 AM



#28

Bromochloromethane

Concen: 51.066 ug/l

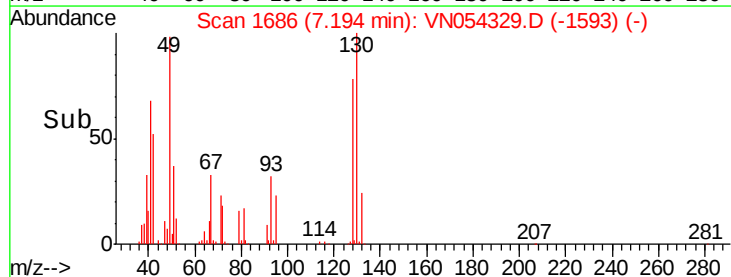
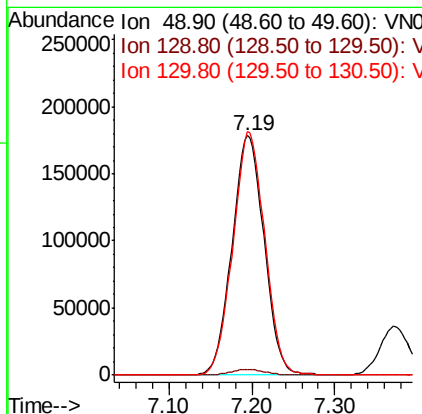
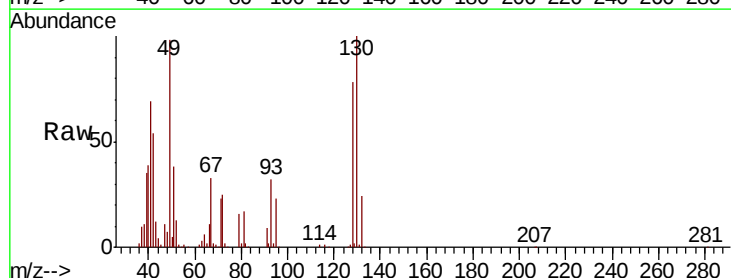
RT: 7.19 min Scan# 1686

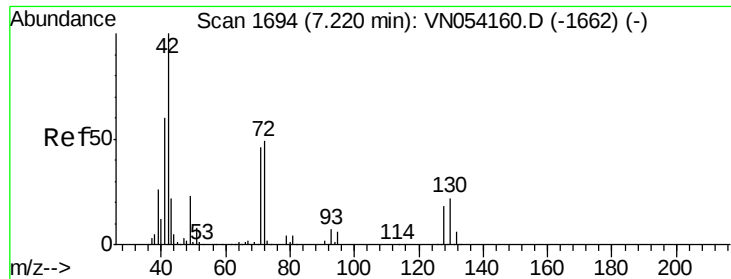
Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion:	49	Resp:	481159
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	100.6	76.7	115.1





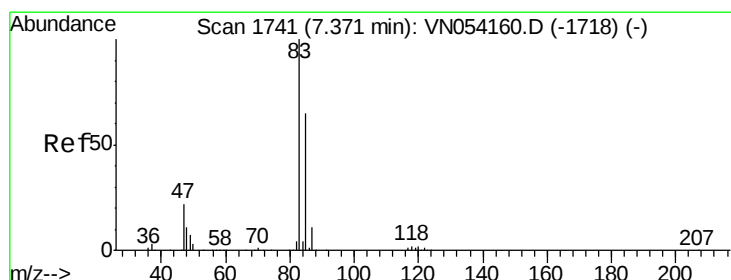
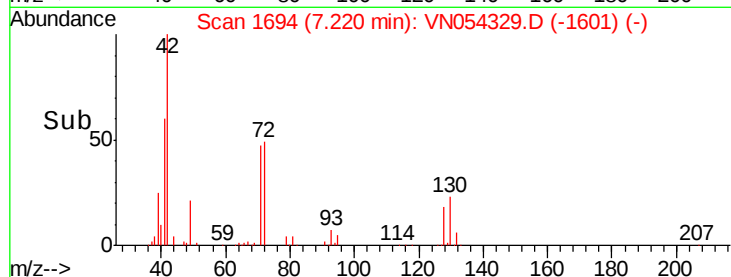
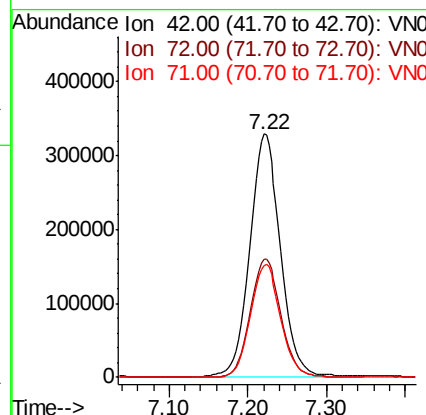
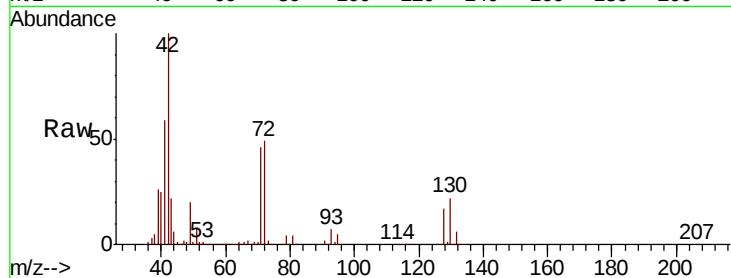
#29
Tetrahydrofuran
Concen: 291.200 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.7	37.8	56.6
71	45.9	36.2	54.2

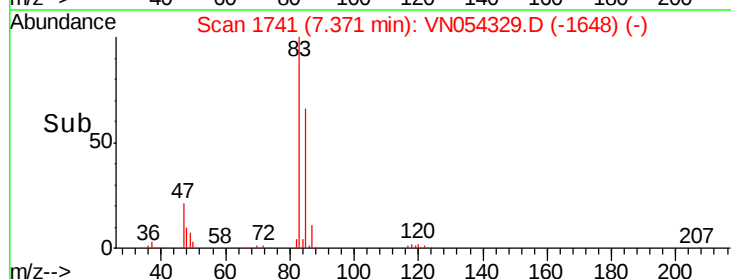
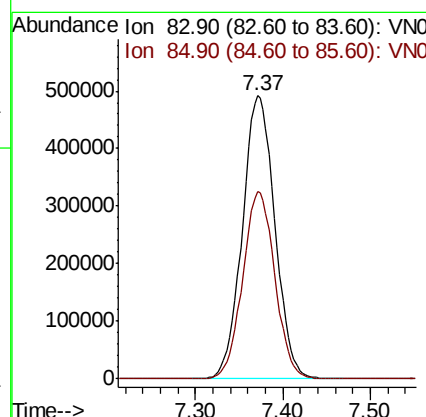
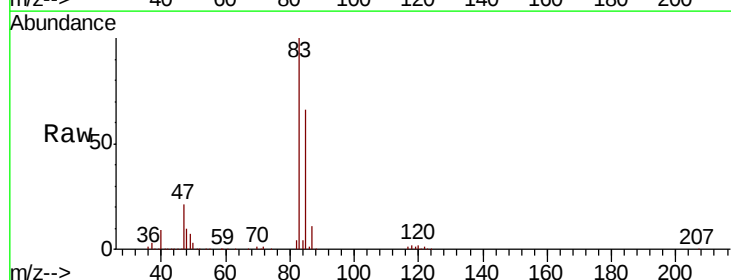
Manual Integrations
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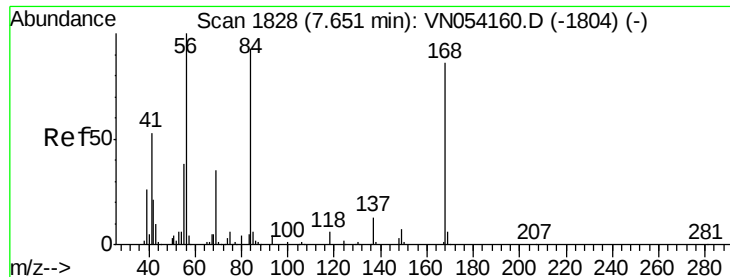
MMDadoda
3/16/2019 11:09:33 AM



#30
Chloroform
Concen: 52.759 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





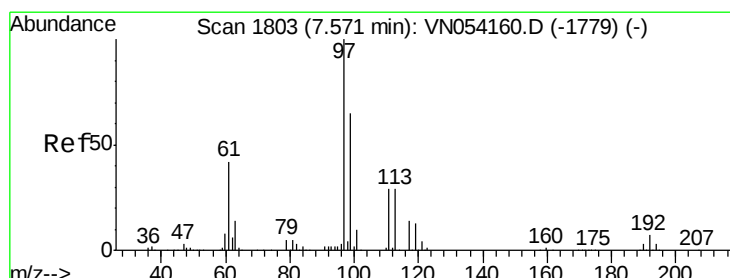
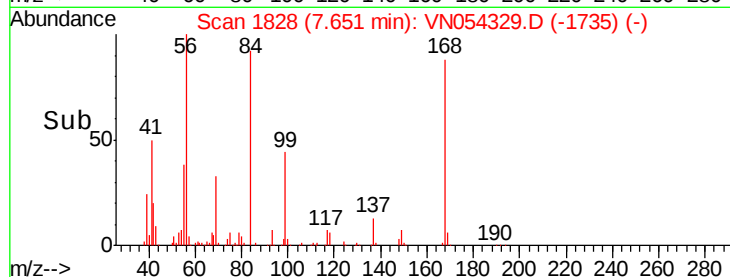
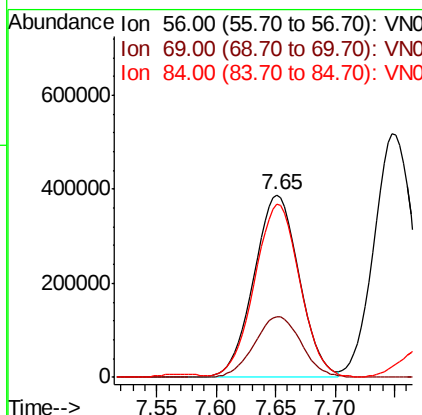
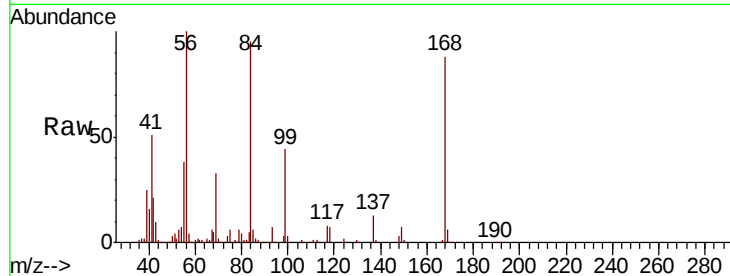
#31
Cyclohexane
Concen: 47.519 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 1025260
Ion Ratio Lower Upper
56 100
69 33.3 27.8 41.6
84 93.3 74.6 111.8

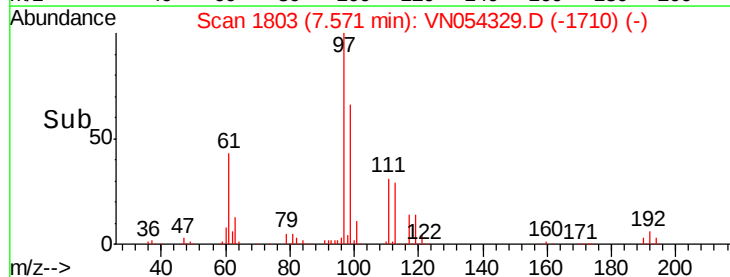
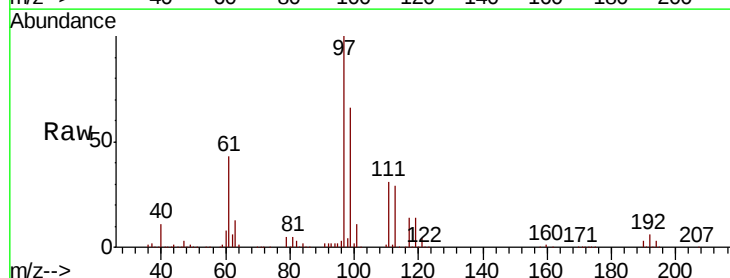
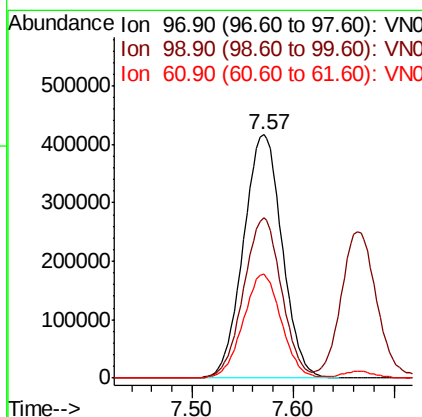
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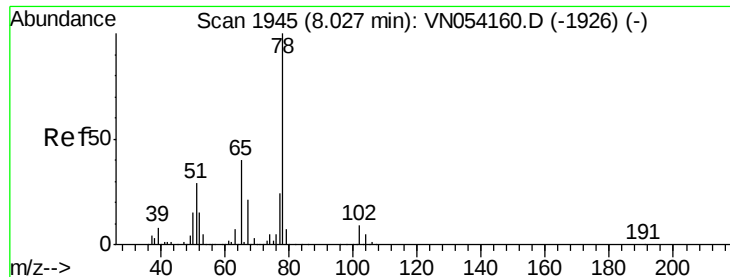
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.968 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 97 Resp: 1107068
Ion Ratio Lower Upper
97 100
99 64.5 51.5 77.3
61 42.0 33.6 50.4





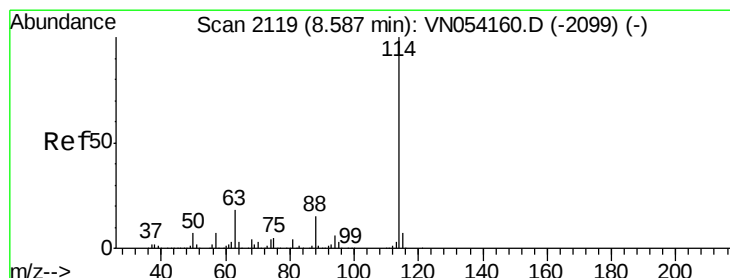
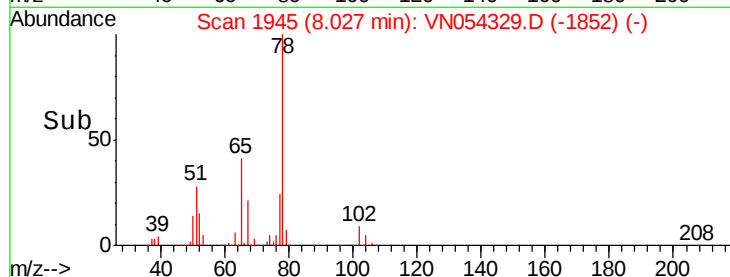
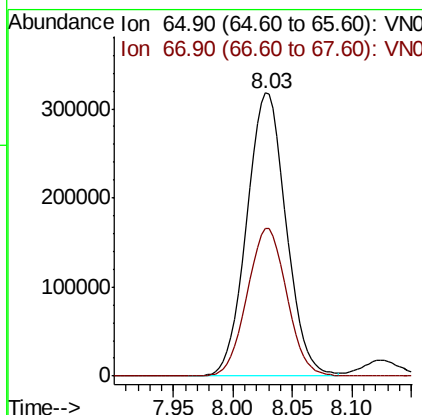
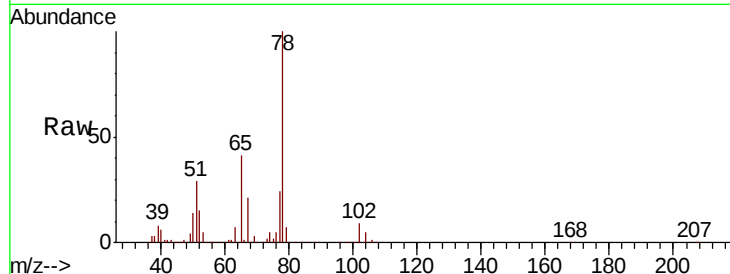
#33
 1,2-Dichloroethane-d4
 Concen: 50.866 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 728906
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6

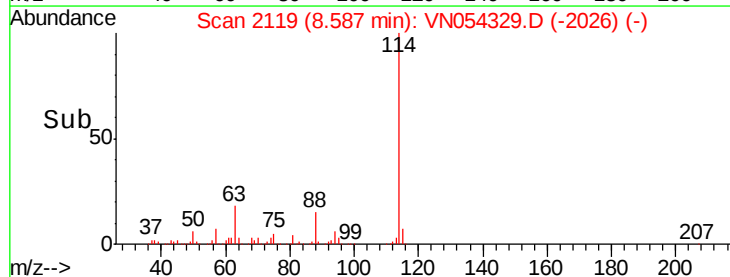
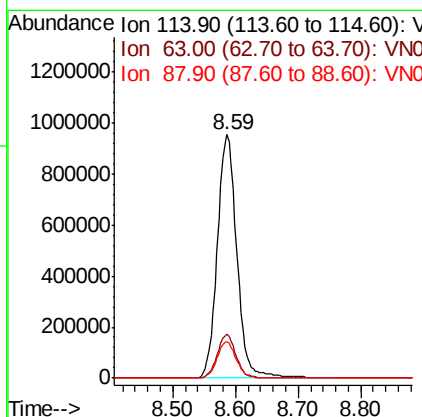
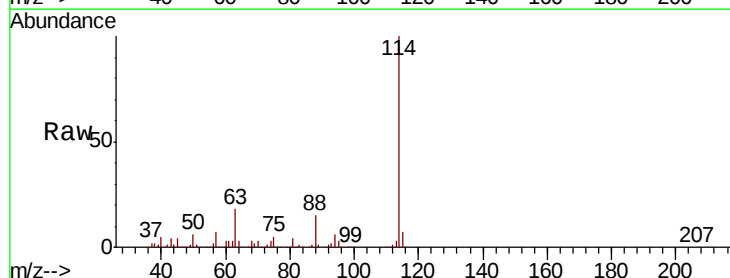
Manual Integrations
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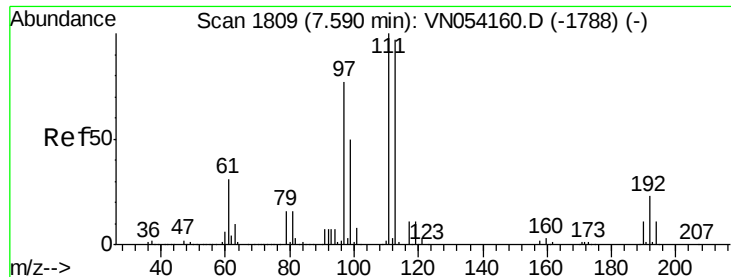
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 3/16/2019 11:09:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 114 Resp: 2069839
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.9 0.0 30.2





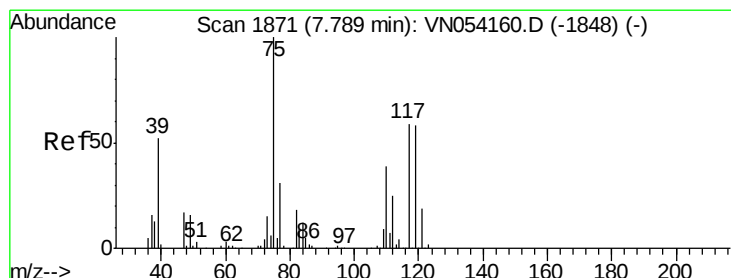
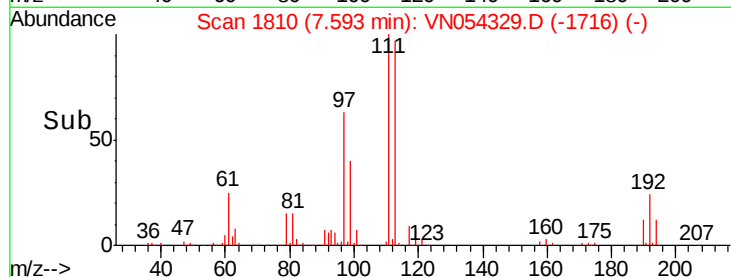
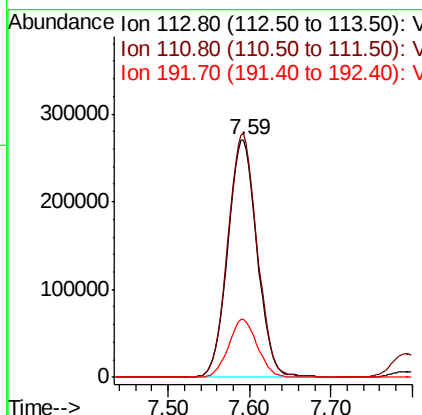
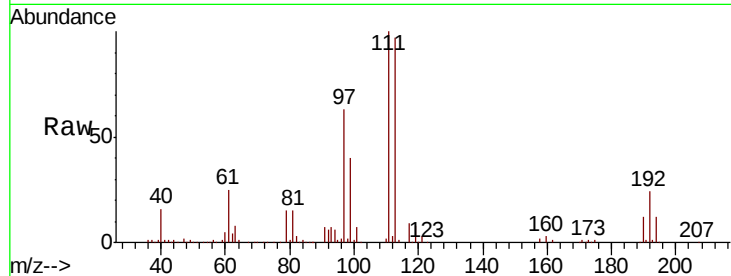
#35
 Dibromofluoromethane
 Concen: 50.948 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	680139		
111	102.7	82.2	123.4	
192	24.0	19.2	28.8	

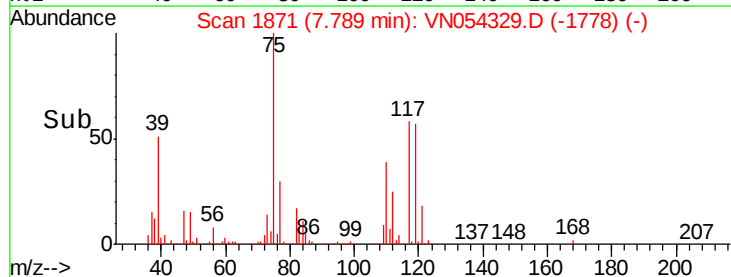
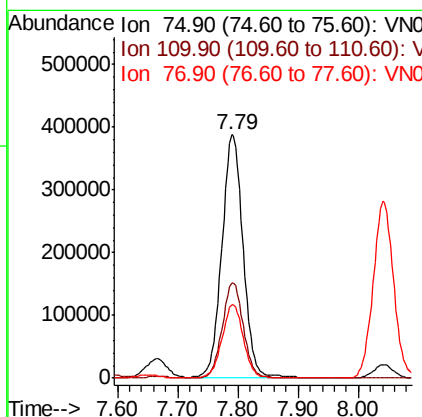
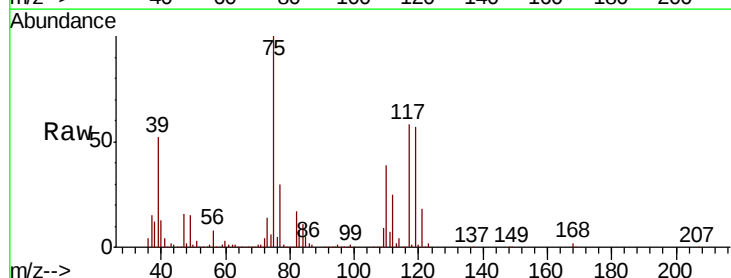
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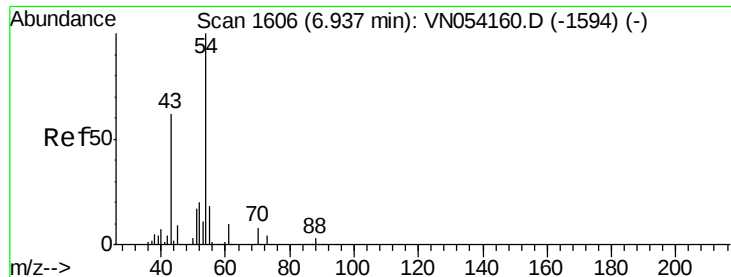
MMDadoda
 3/16/2019 11:09:33 AM



#36
 1,1-Dichloropropene
 Concen: 49.684 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	947054		
110	38.8	19.1	57.5	
77	30.5	25.0	37.4	





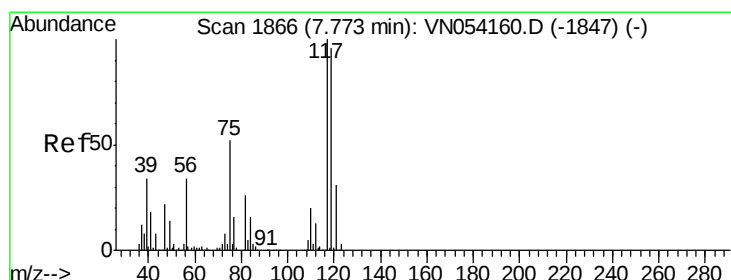
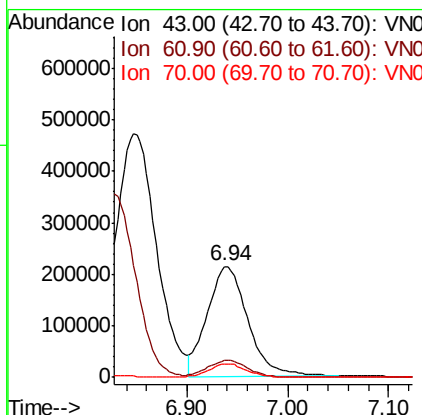
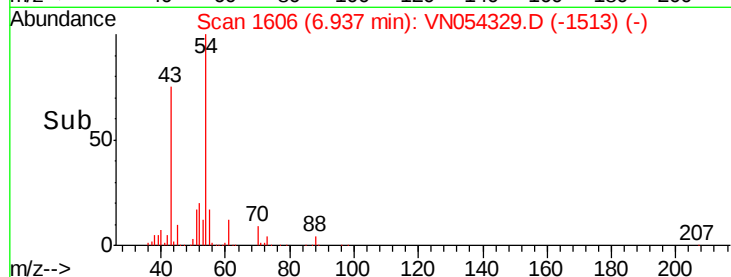
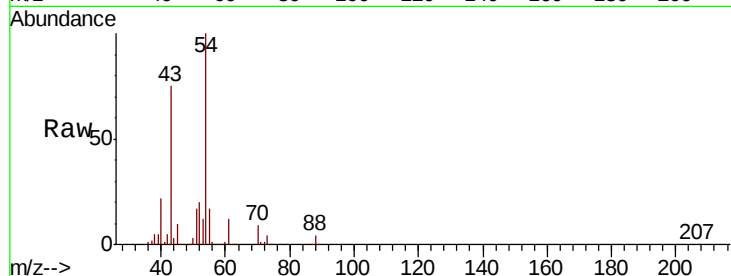
#37
Ethyl Acetate
Concen: 54.396 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.4	8.4	12.6

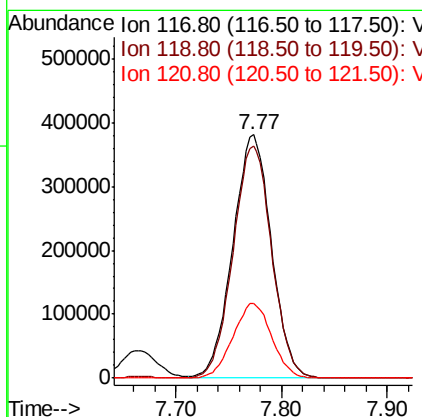
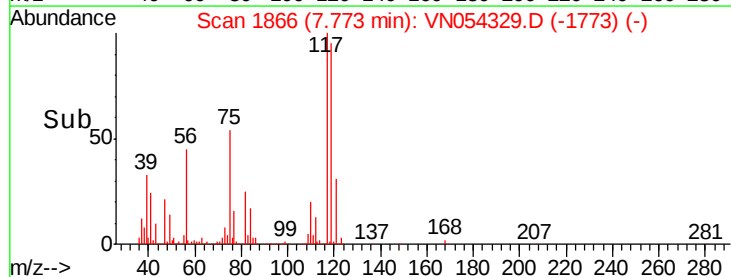
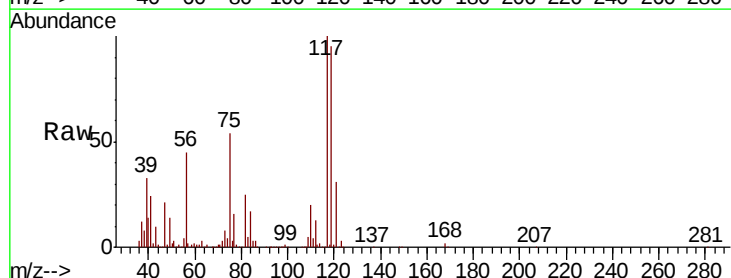
Manual Integrations
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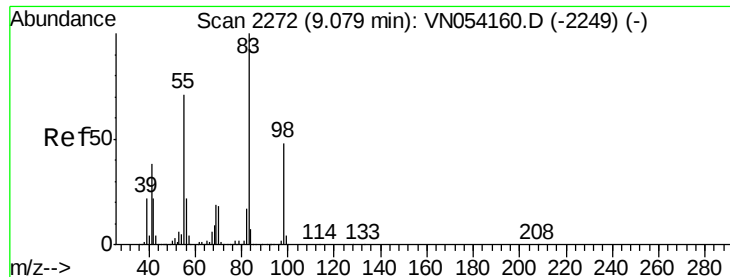
MMDadoda
3/16/2019 11:09:33 AM



#38
Carbon Tetrachloride
Concen: 48.187 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	30.8	24.6	36.8





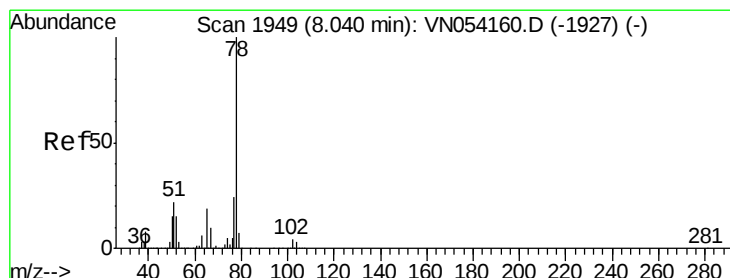
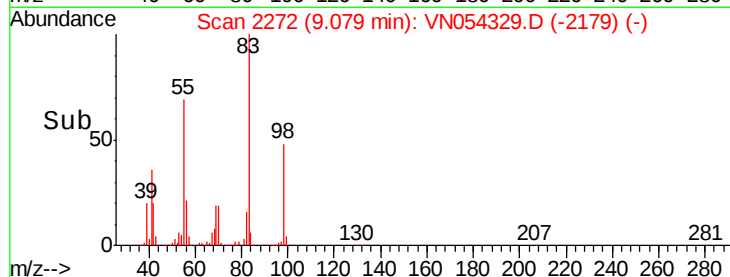
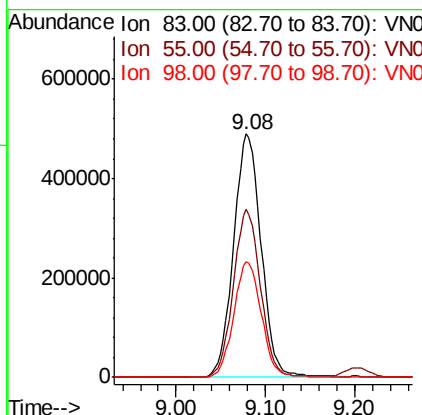
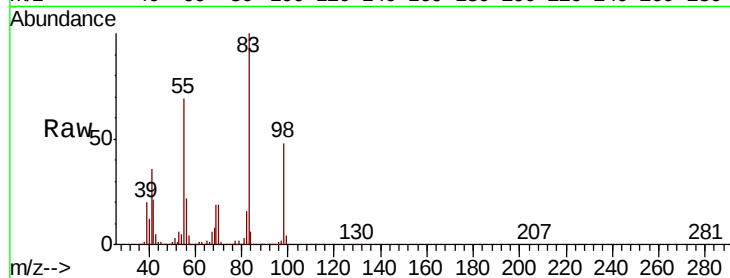
#39
Methylcyclohexane
Concen: 44.809 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 1050907
Ion Ratio Lower Upper
83 100
55 68.8 56.6 84.8
98 47.6 38.4 57.6

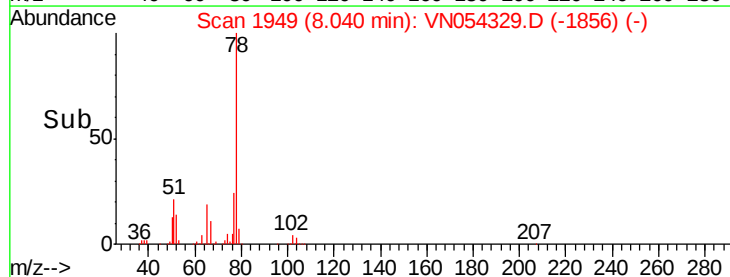
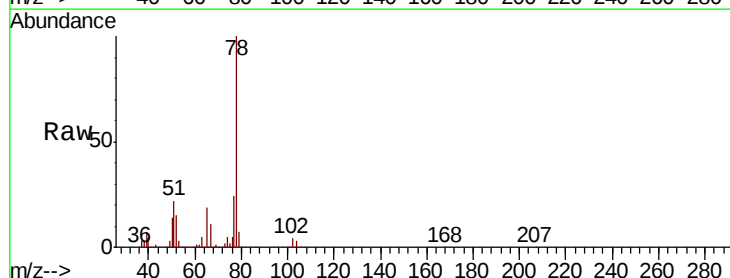
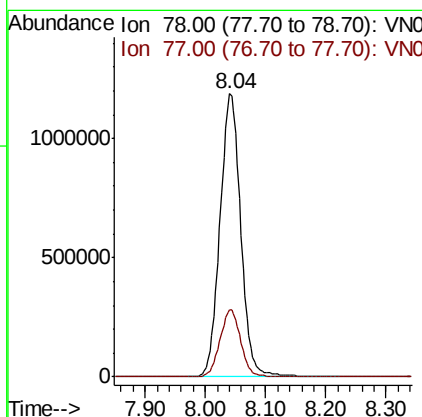
Manual Integrations
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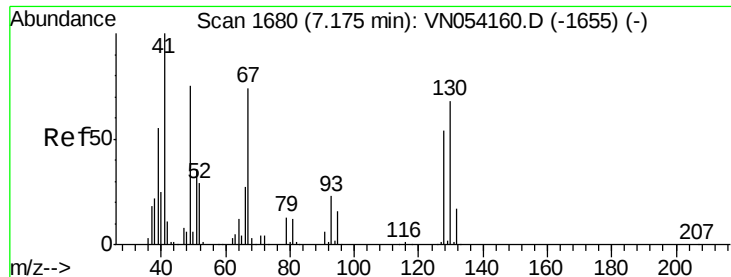
MMDadoda
3/16/2019 11:09:33 AM



#40
Benzene
Concen: 51.763 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 78 Resp: 2823461
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





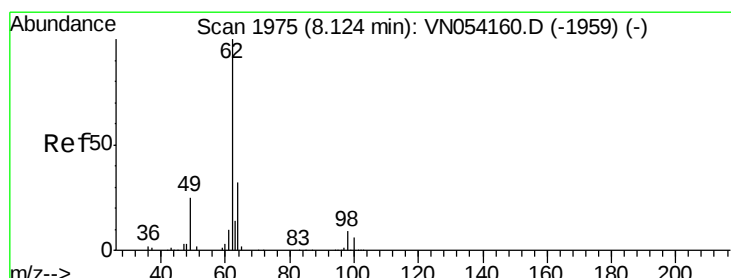
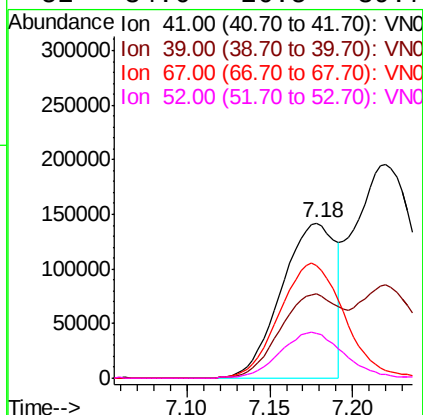
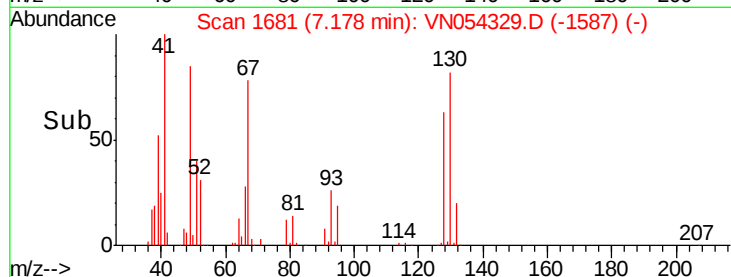
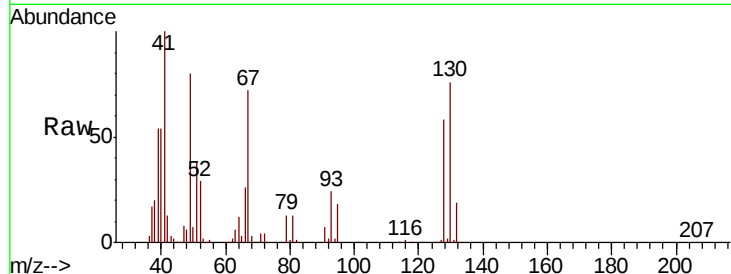
#41
Methacrylonitrile
Concen: 51.344 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.6	46.8	70.2
67	89.7	67.0	100.4
52	34.6	26.5	39.7

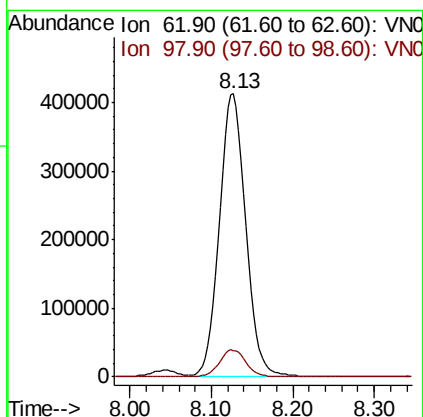
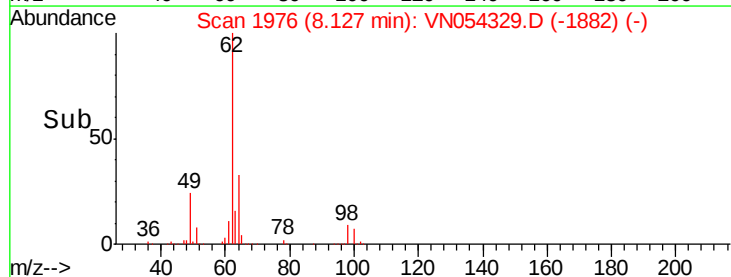
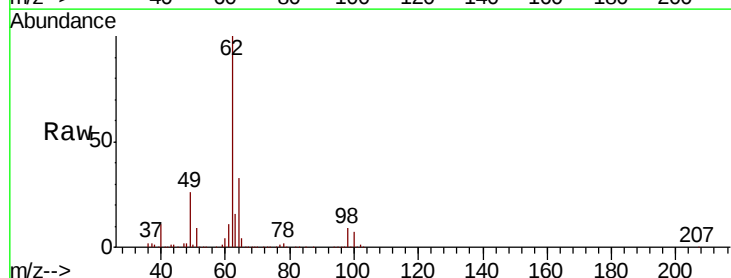
Manual Integrations
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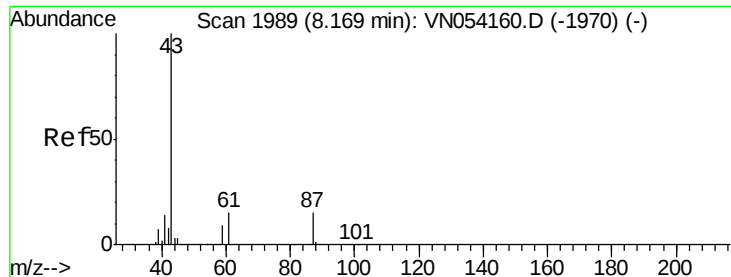
MMDadoda
3/16/2019 11:09:33 AM



#42
1,2-Dichloroethane
Concen: 51.275 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





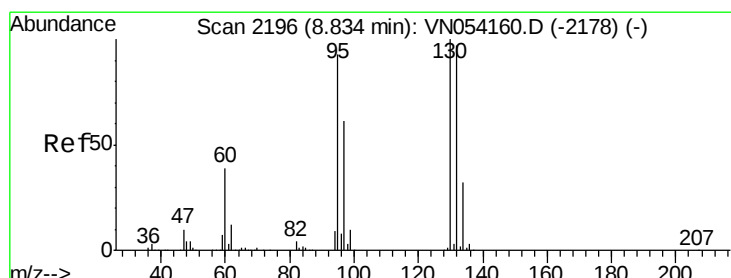
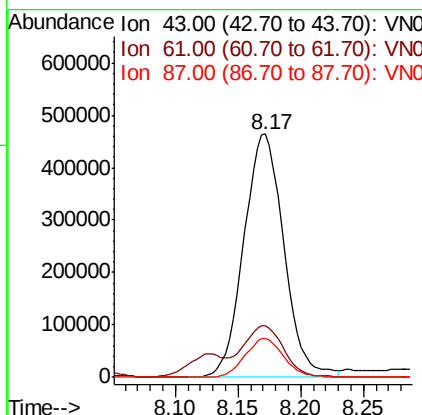
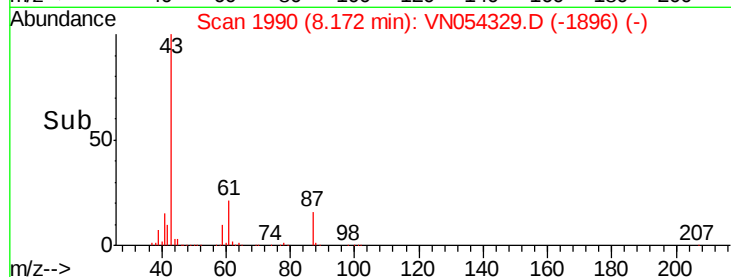
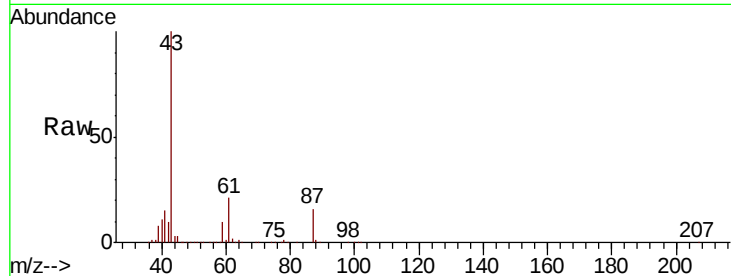
#43
Isopropyl Acetate
Concen: 53.379 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1026199
Ion Ratio Lower Upper
43 100
61 21.3 15.8 23.8
87 15.5 12.0 18.0

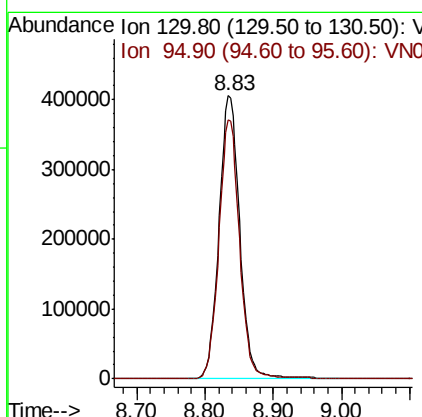
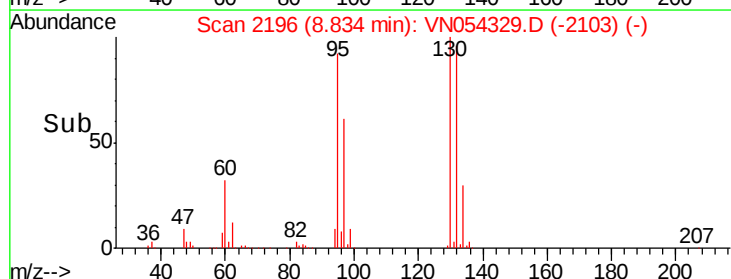
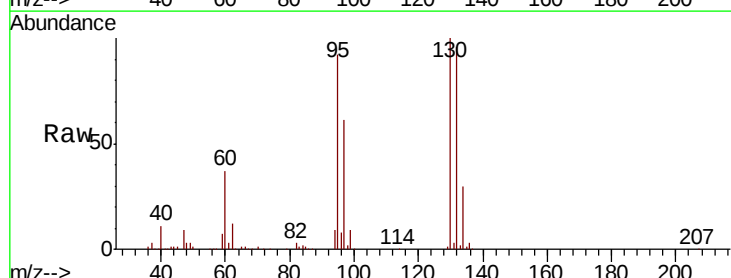
Manual Integrations
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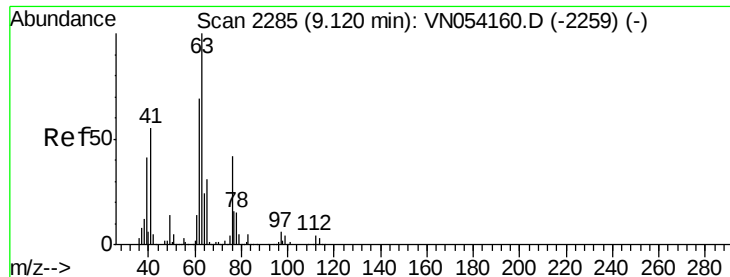
MMDadoda
3/16/2019 11:09:33 AM



#44
Trichloroethene
Concen: 50.620 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 130 Resp: 857745
Ion Ratio Lower Upper
130 100
95 91.6 0.0 185.2





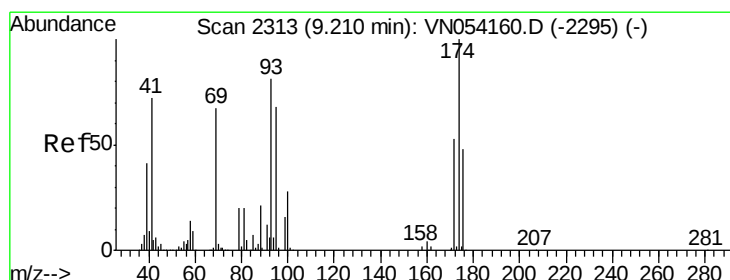
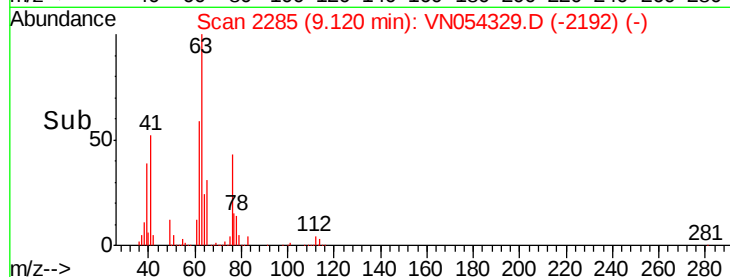
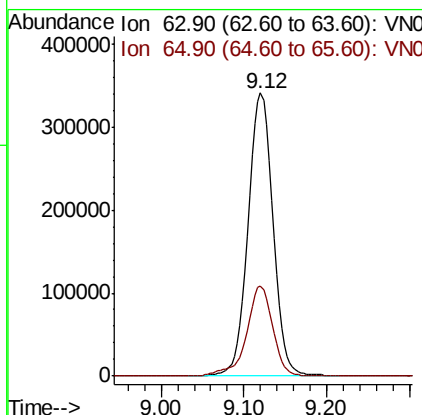
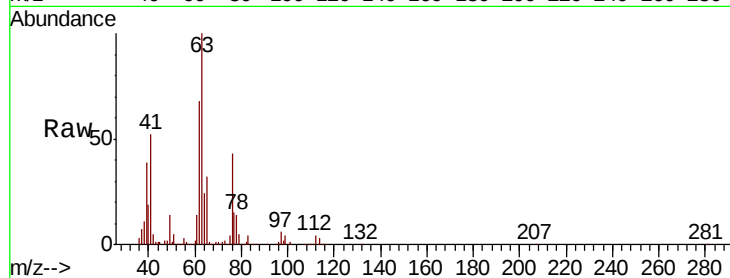
#45
 1,2-Dichloropropane
 Concen: 52.440 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 710268
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

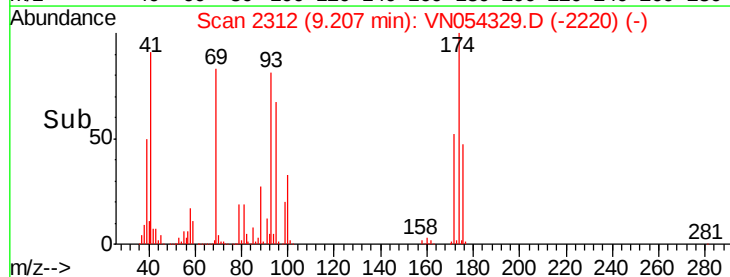
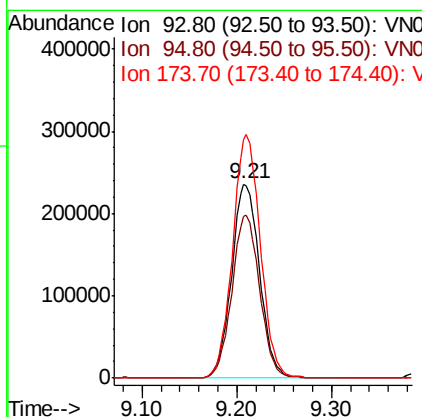
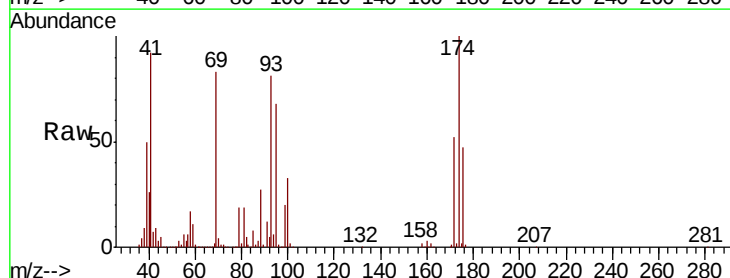
Manual Integrations
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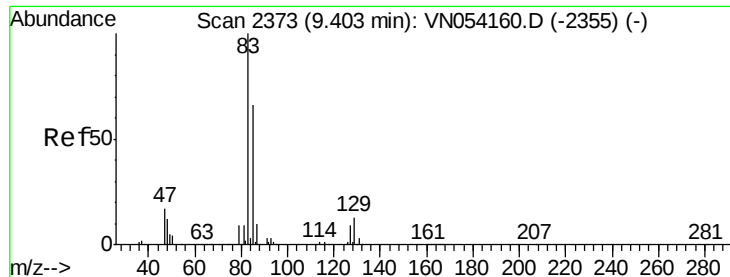
MMDadoda
 3/16/2019 11:09:33 AM



#46
 Dibromomethane
 Concen: 53.006 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 93 Resp: 485074
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 124.4 98.5 147.7





#47

Bromodichloromethane

Concen: 52.243 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

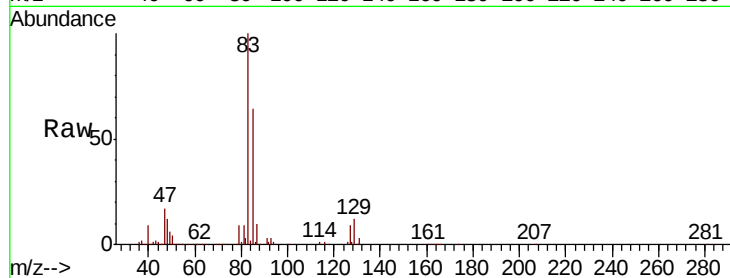
ClientSampleId :

VSTDCCC050EC

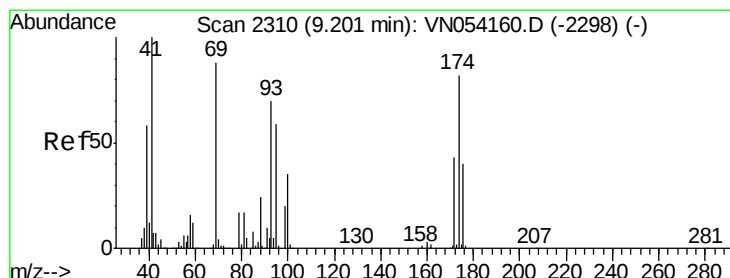
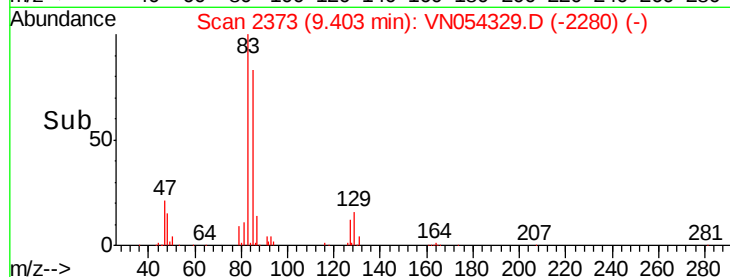
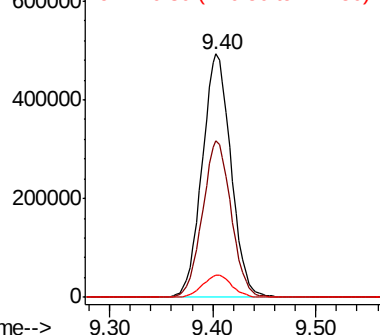
Tgt Ion:	83	Resp:	958456
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.8	79.2
127	9.2	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054329.D (-2280) (-)



#48

Methyl methacrylate

Concen: 56.204 ug/l

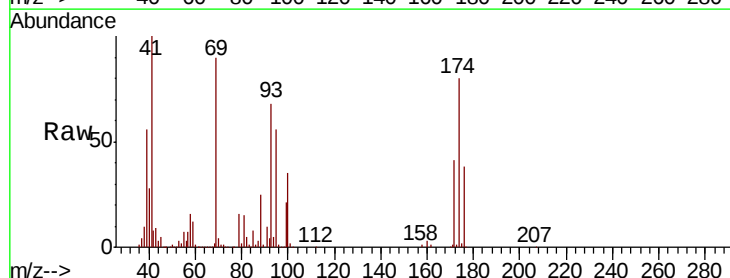
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

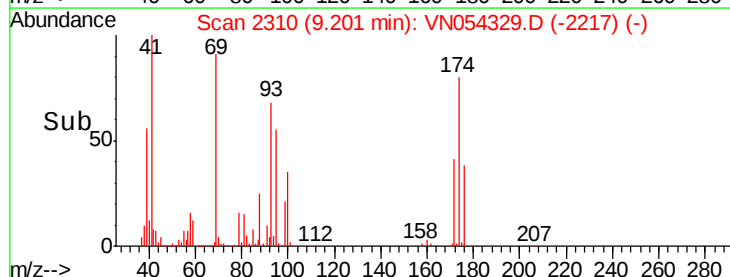
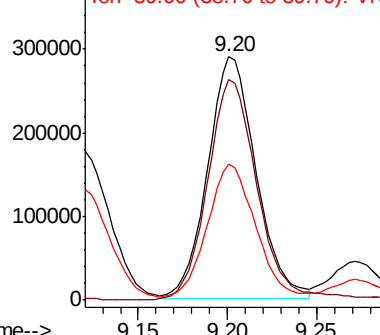
Lab File: VN054329.D

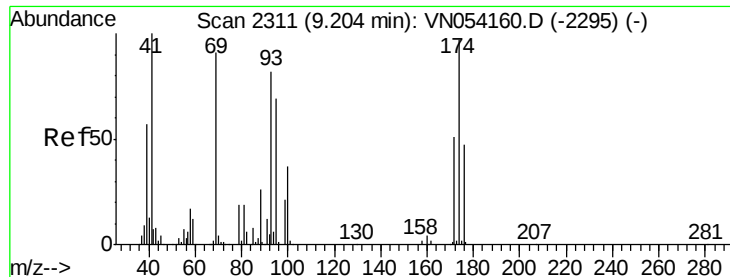
Acq: 16 Mar 2019 00:13

Tgt Ion:	41	Resp:	548341
Ion Ratio	Lower	Upper	
41	100		
69	93.2	72.6	108.8
39	56.2	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054329.D (-2217) (-)





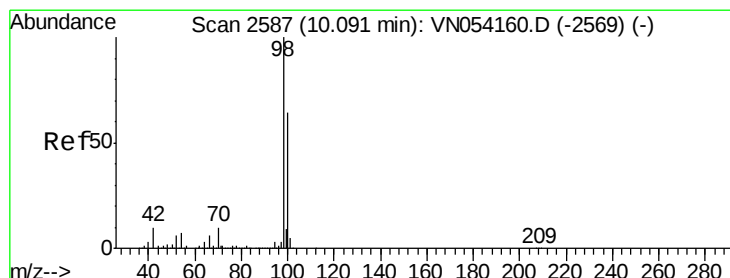
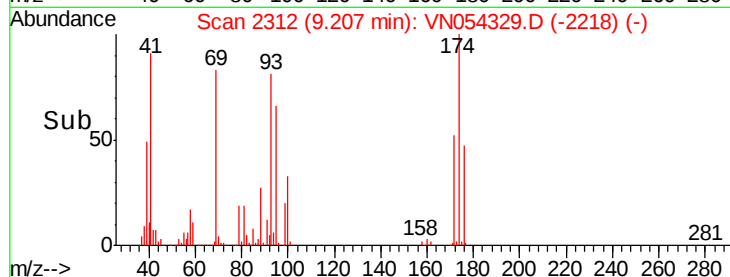
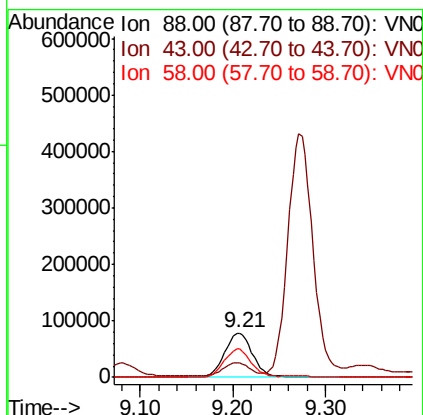
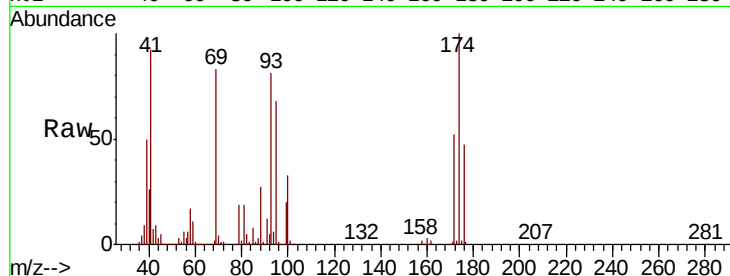
#49
1,4-Dioxane
Concen: 1192.638 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.9	24.1	36.1
58	62.2	50.8	76.2

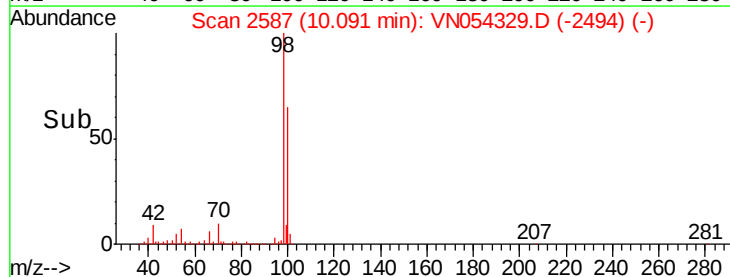
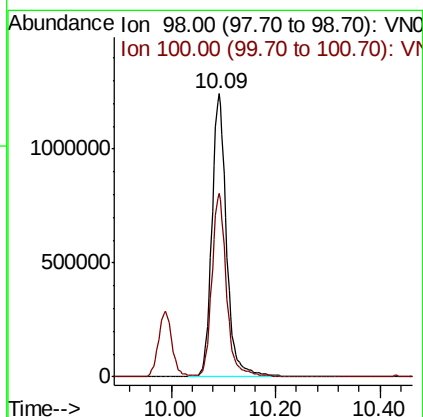
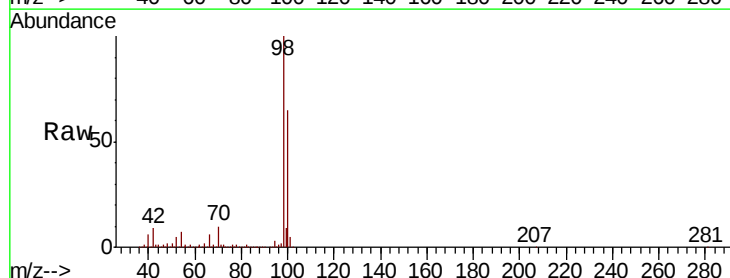
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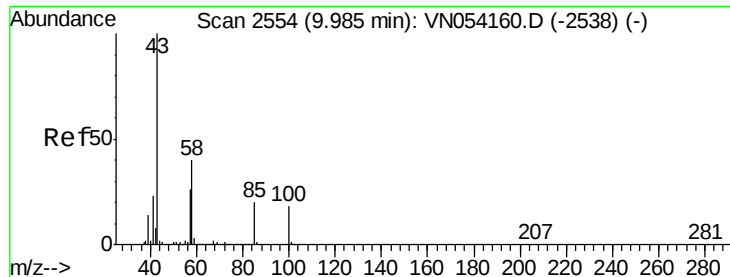
MMDadoda
3/16/2019 11:09:33 AM



#50
Toluene-d8
Concen: 49.604 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 297.902 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3030795

Ion Ratio Lower Upper

43 100

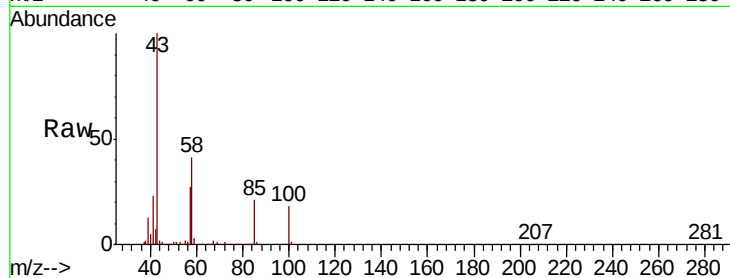
58 40.5 31.8 47.6

Manual Integrations

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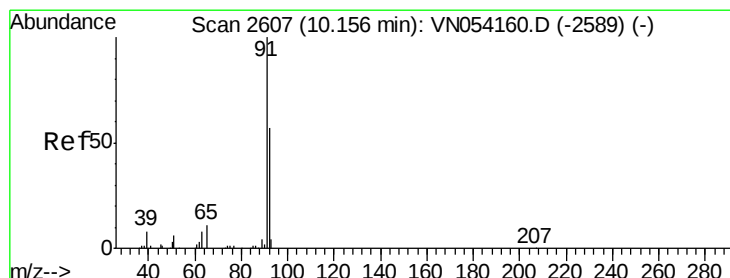
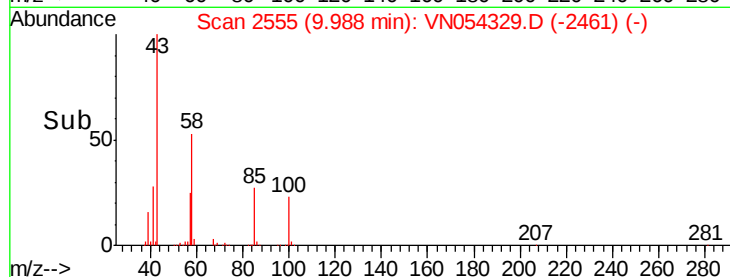
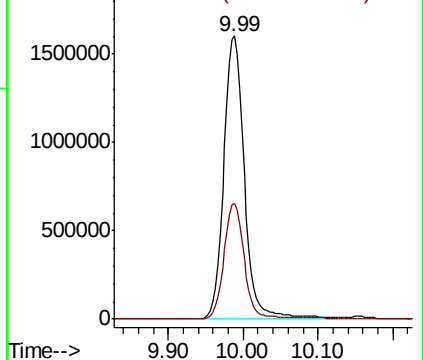
MMDadoda

3/16/2019 11:09:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.102 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054329.D

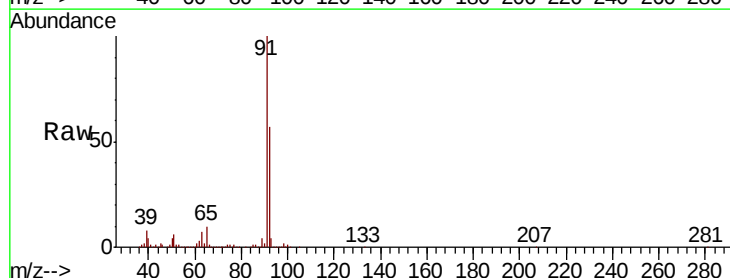
Acq: 16 Mar 2019 00:13

Tgt Ion: 92 Resp: 1801987

Ion Ratio Lower Upper

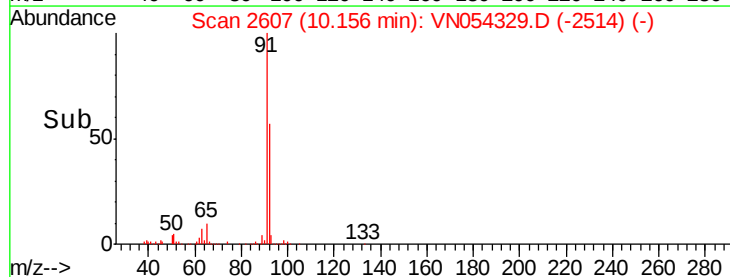
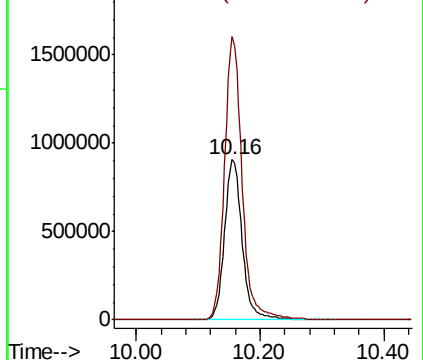
92 100

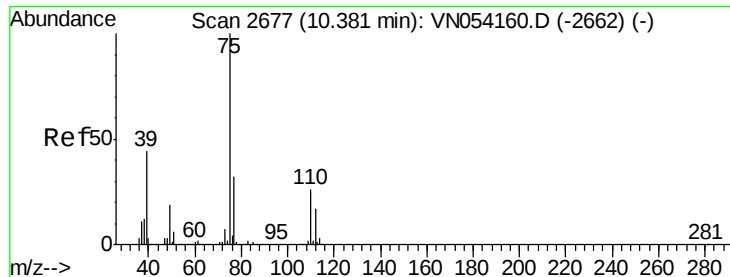
91 175.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 42.495 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 885168

Ion Ratio Lower Upper

75 100

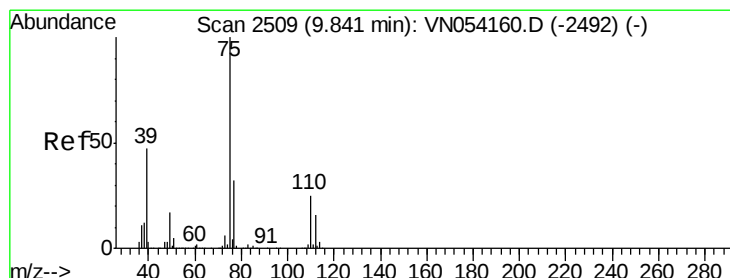
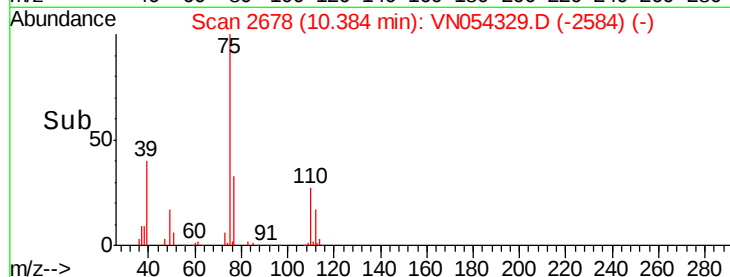
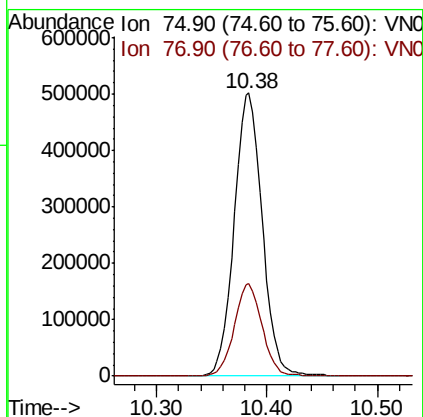
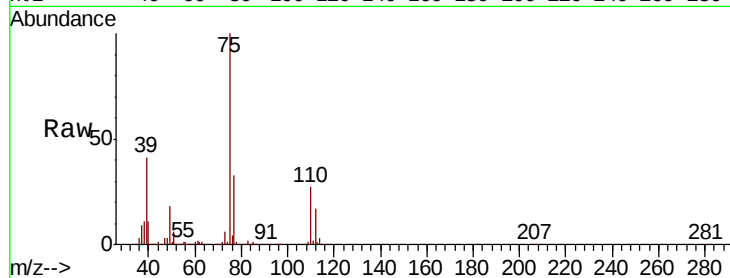
77 32.5 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.266 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

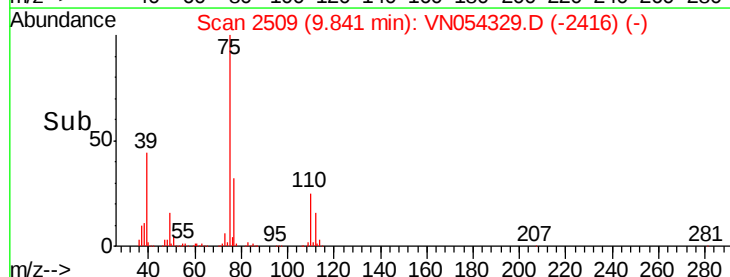
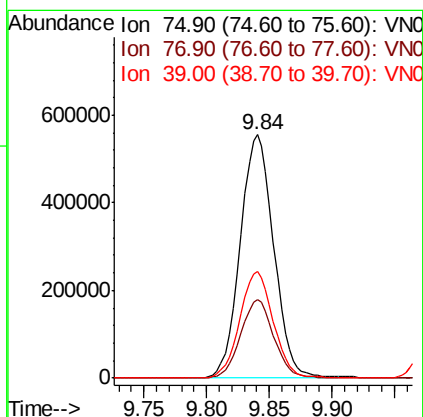
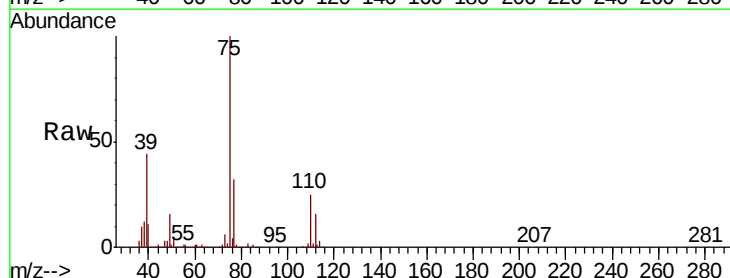
Tgt Ion: 75 Resp: 1031867

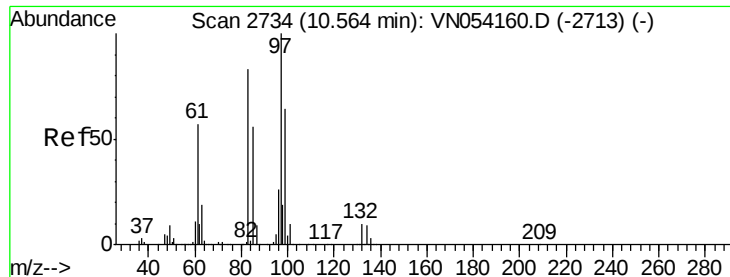
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 43.6 37.2 55.8





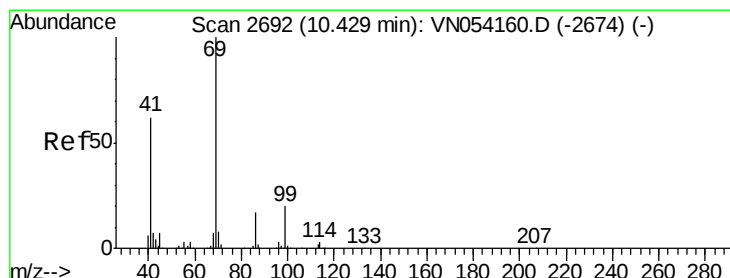
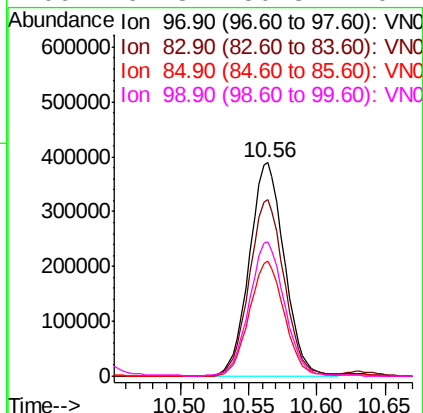
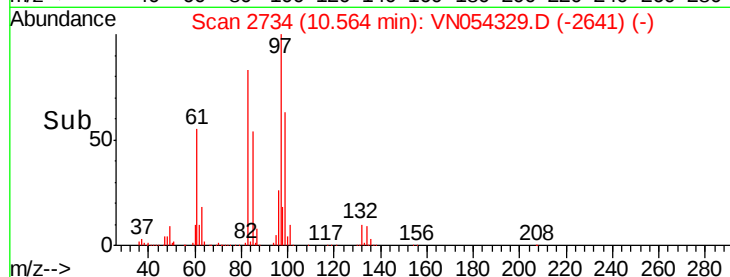
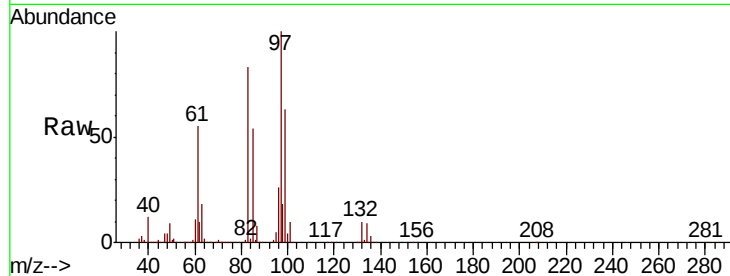
#55
 1,1,2-Trichloroethane
 Concen: 55.192 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.6	100.0
85	53.7	44.4	66.6
99	62.8	50.8	76.2

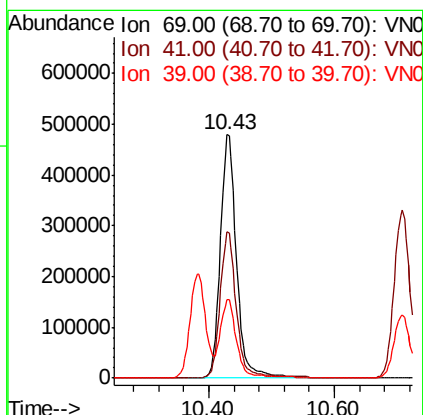
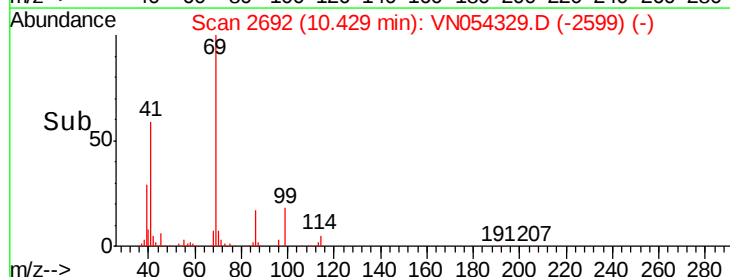
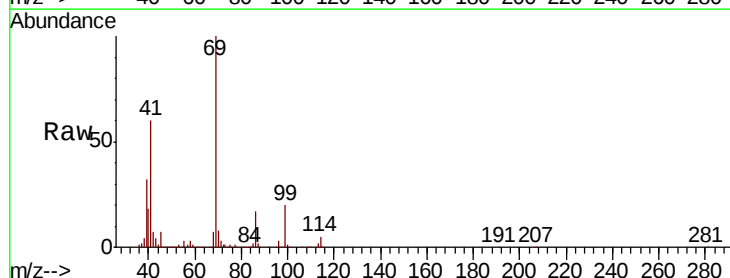
Manual Integrations
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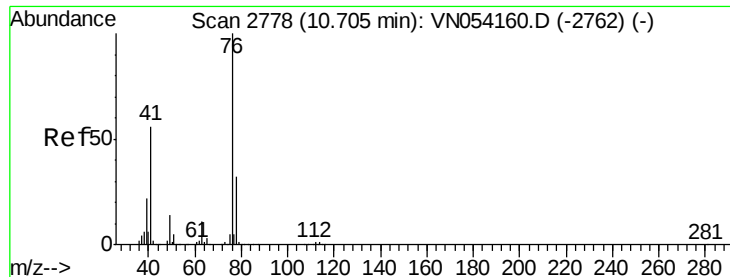
MMDadoda
 3/16/2019 11:09:33 AM



#56
 Ethyl methacrylate
 Concen: 57.094 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.9	49.4	74.2
39	32.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.913 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 1113284

Ion Ratio Lower Upper

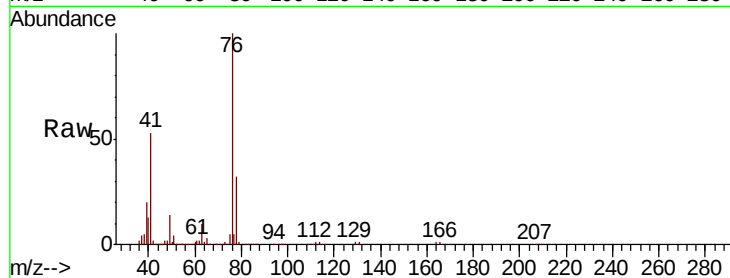
76 100

78 32.1 25.7 38.5

Manual Integrations
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MMDadoda

3/16/2019 11:09:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VN054329.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN054329.D (-2762) (-)

10.71

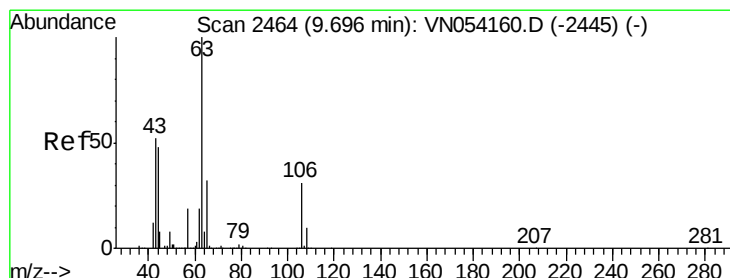
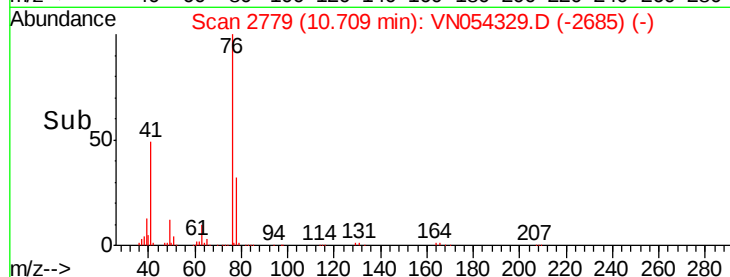
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 247.608 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054329.D

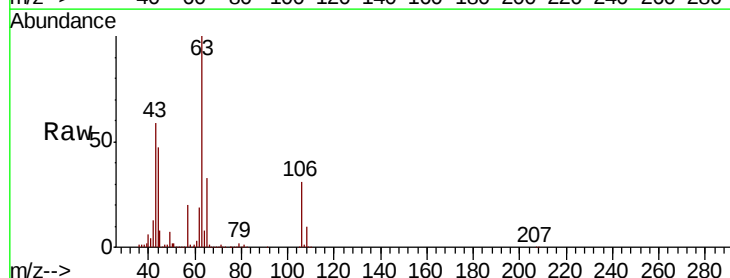
Acq: 16 Mar 2019 00:13

Tgt Ion: 63 Resp: 1616456

Ion Ratio Lower Upper

63 100

106 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN054329.D (-2371) (-)

Ion 105.90 (105.60 to 106.60): VN054329.D (-2371) (-)

9.70

1000000

800000

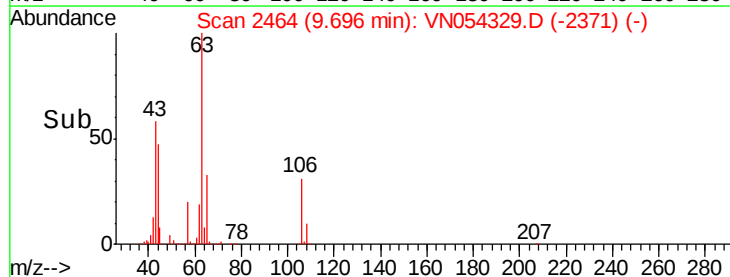
600000

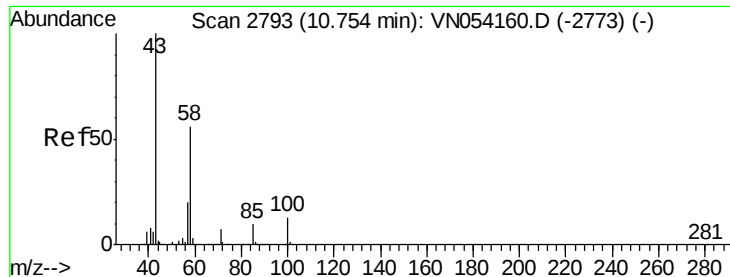
400000

200000

0

Time-->





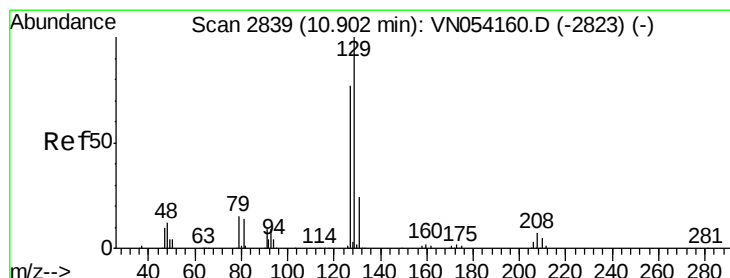
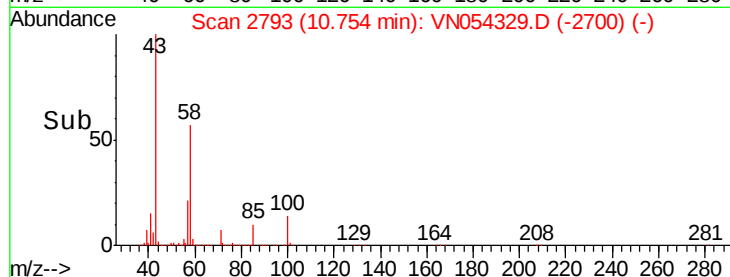
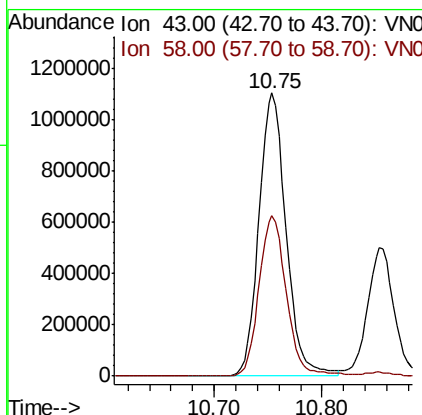
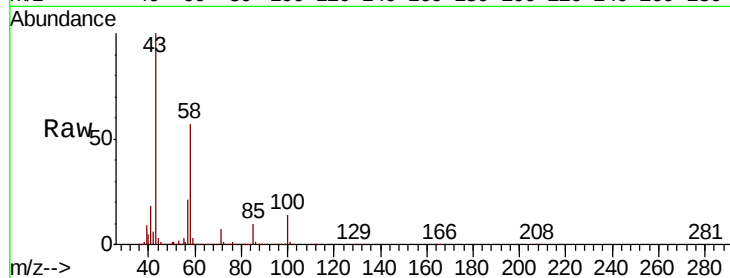
#59
2-Hexanone
Concen: 283.087 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1916387
Ion Ratio Lower Upper
43 100
58 57.5 28.0 83.9

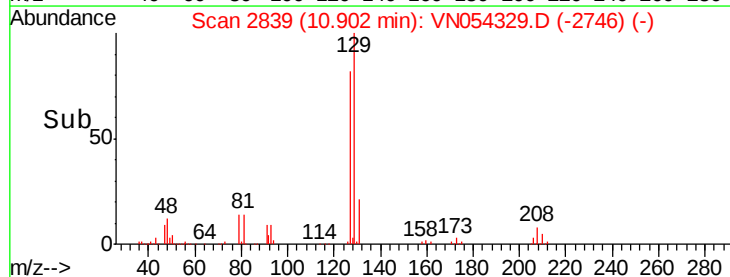
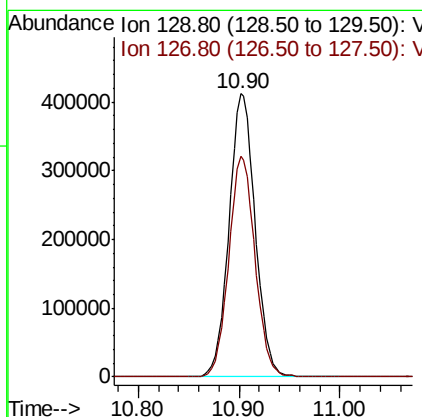
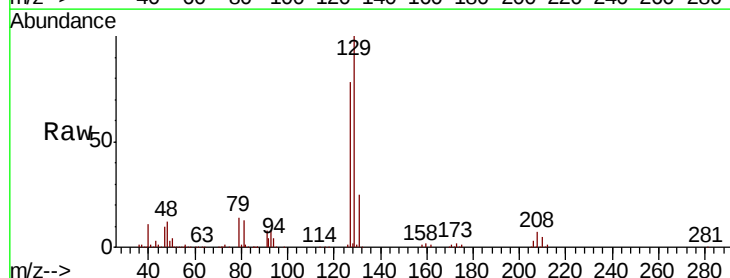
Manual Integrations
APPROVED

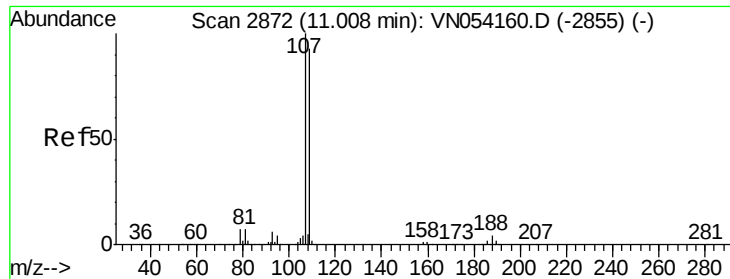
MMDadoda
3/16/2019 11:09:33 AM



#60
Dibromochloromethane
Concen: 52.346 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 129 Resp: 744064
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





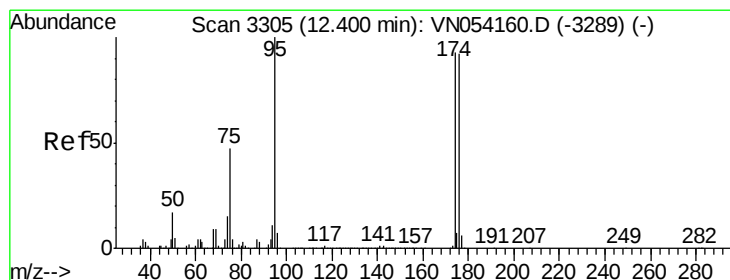
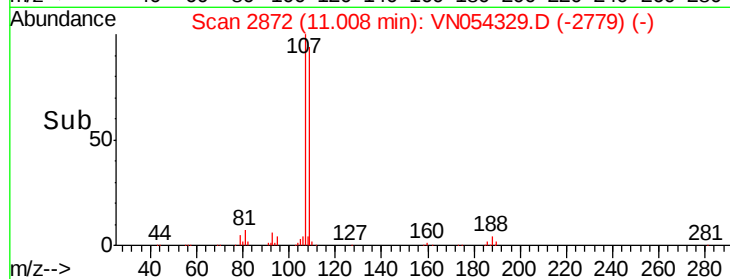
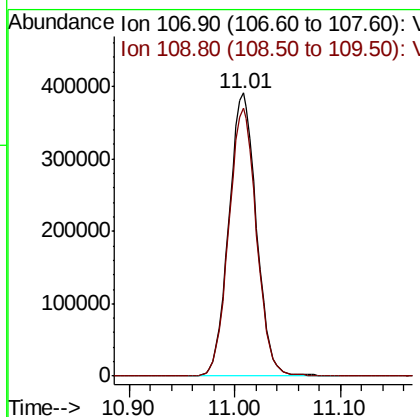
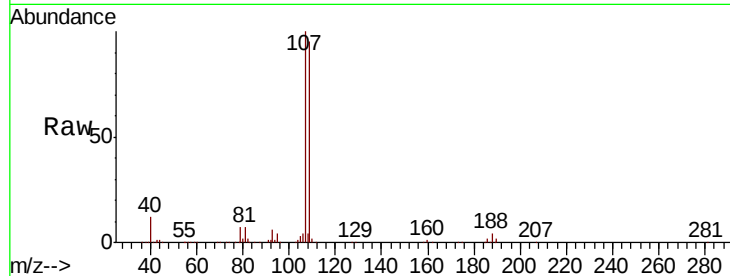
#61
 1,2-Dibromoethane
 Concen: 54.984 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.9	113.9

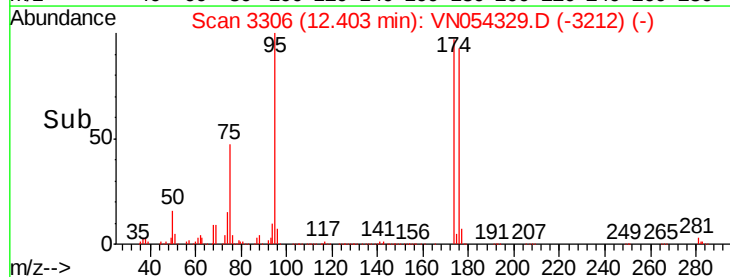
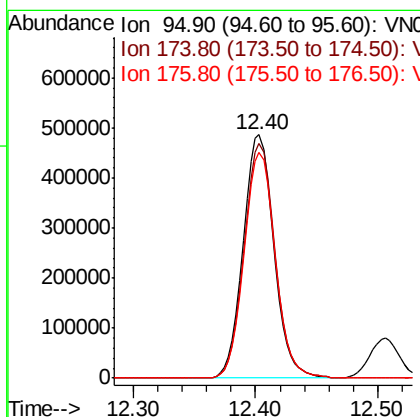
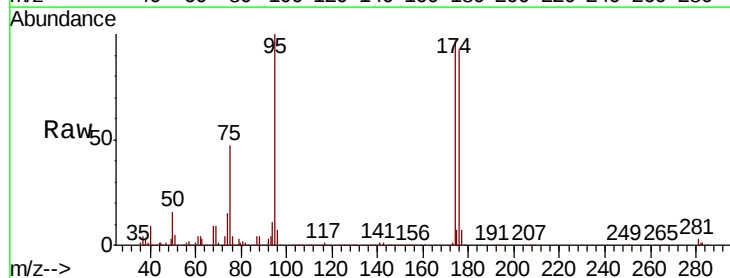
Manual Integrations
 APPROVED

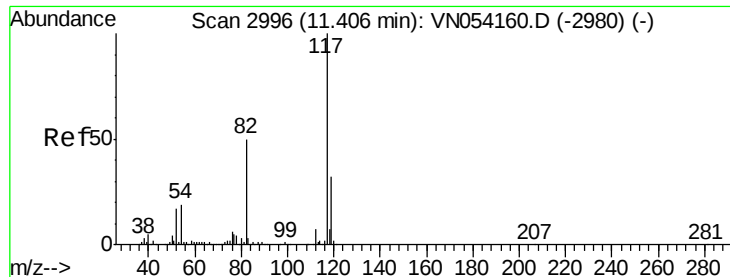
MMDadoda
 3/16/2019 11:09:33 AM



#62
 4-Bromofluorobenzene
 Concen: 48.767 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	191.0
176	94.1	0.0	187.4





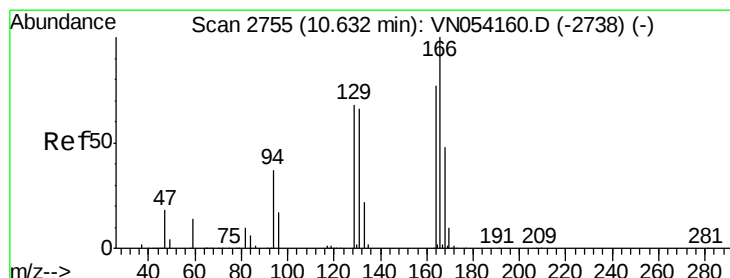
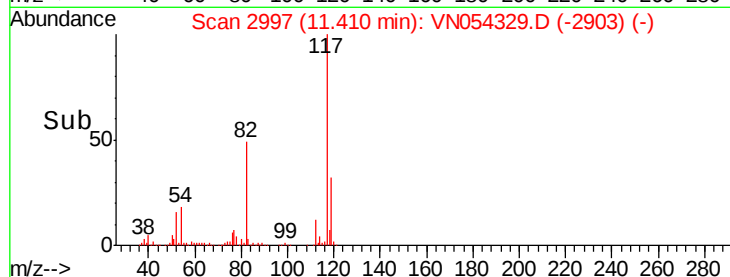
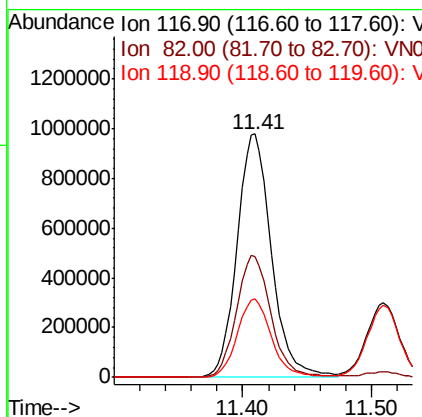
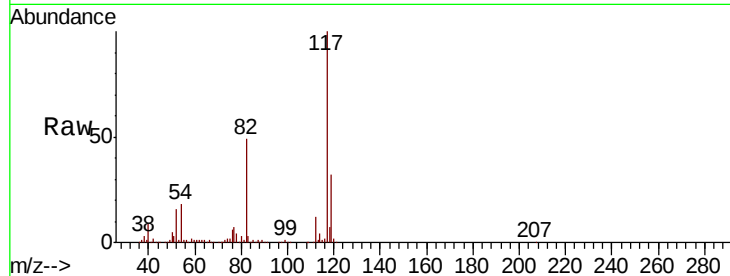
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1813491
Ion Ratio Lower Upper
117 100
82 49.4 40.0 60.0
119 32.1 25.8 38.6

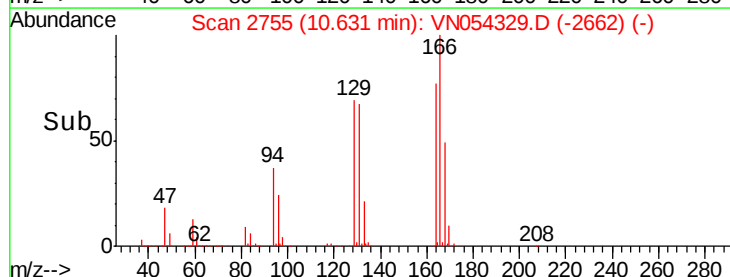
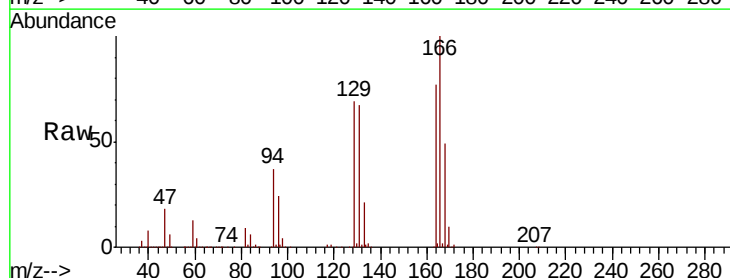
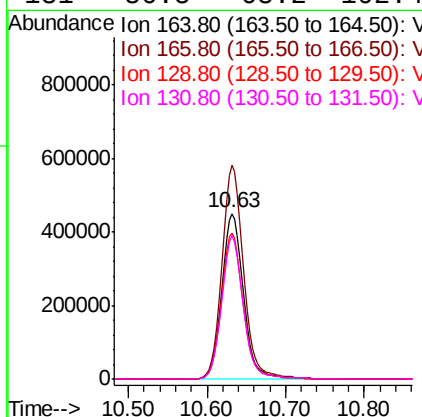
Manual Integrations
APPROVED

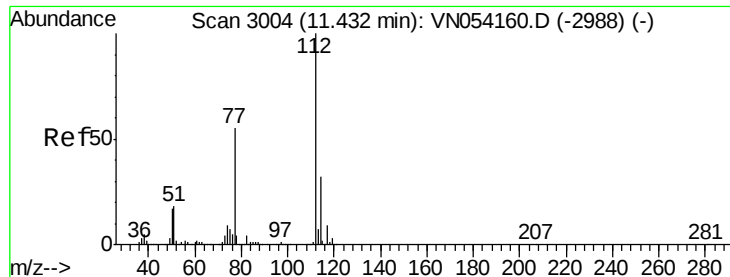
MMDadoda
3/16/2019 11:09:33 AM



#64
Tetrachloroethene
Concen: 48.649 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion:164 Resp: 853002
Ion Ratio Lower Upper
164 100
166 129.3 103.9 155.9
129 88.6 71.1 106.7
131 86.5 68.2 102.4





#65

Chlorobenzene

Concen: 51.977 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 2069706

Ion Ratio Lower Upper

112 100

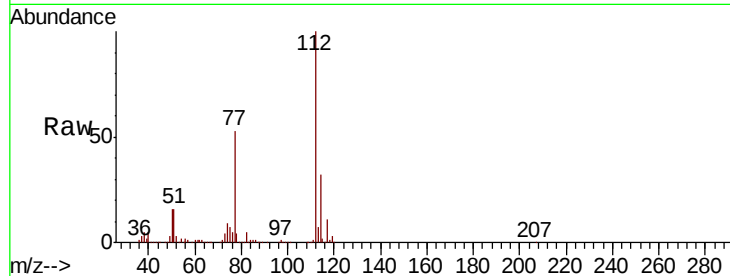
114 31.9 25.9 38.9

Manual Integrations

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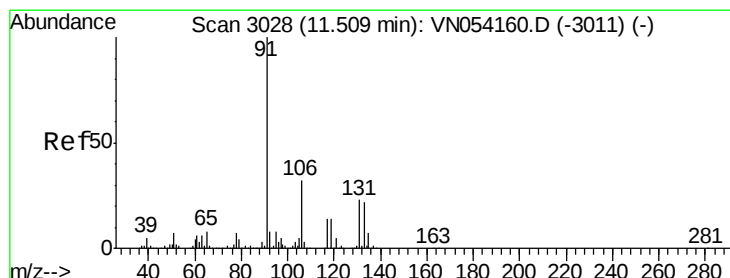
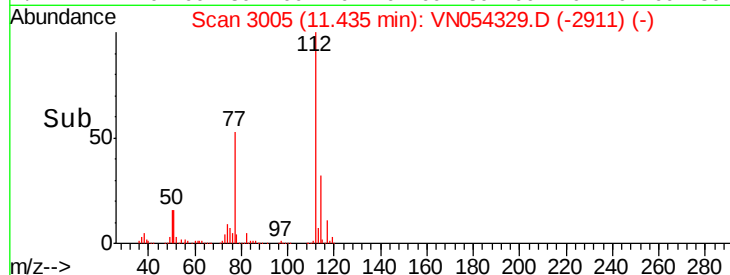
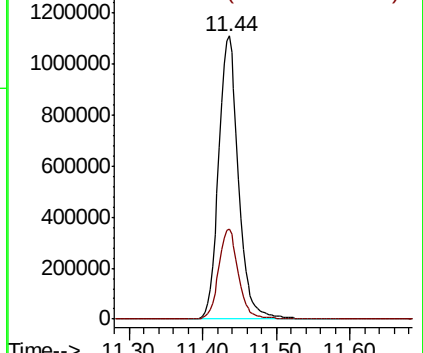
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.017 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

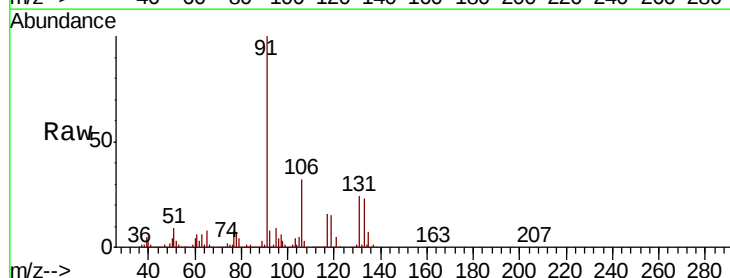
Tgt Ion:131 Resp: 766911

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

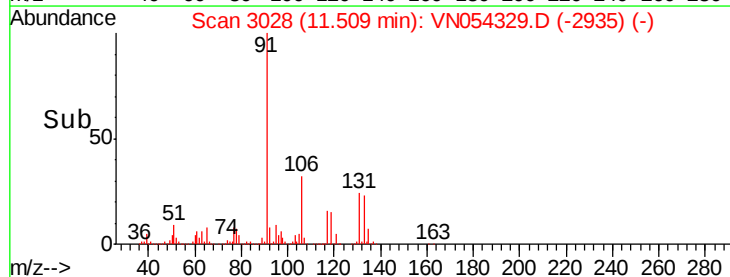
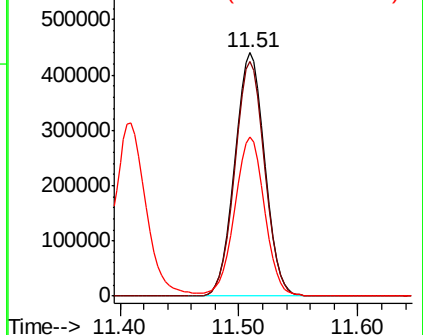
119 65.4 32.4 97.0

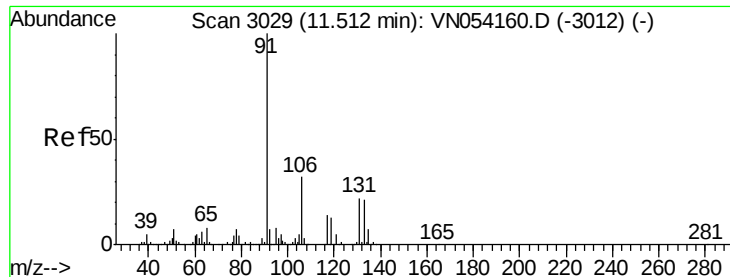


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.969 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 3364314

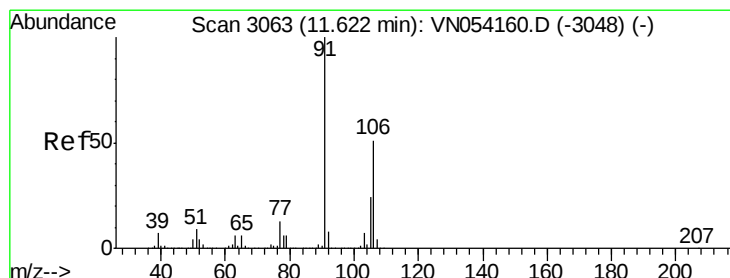
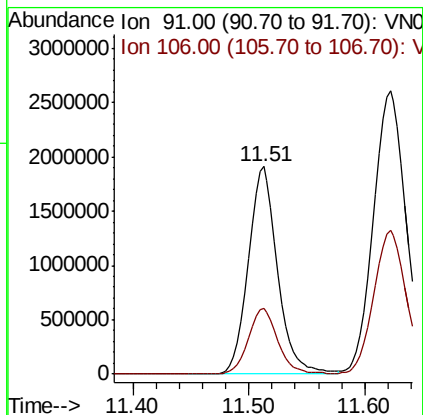
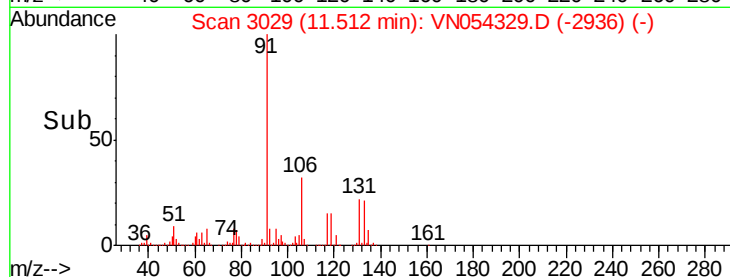
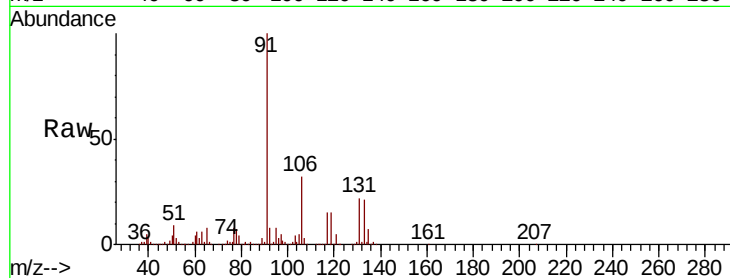
Ion Ratio Lower Upper

91 100

106 31.6 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.507 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054329.D

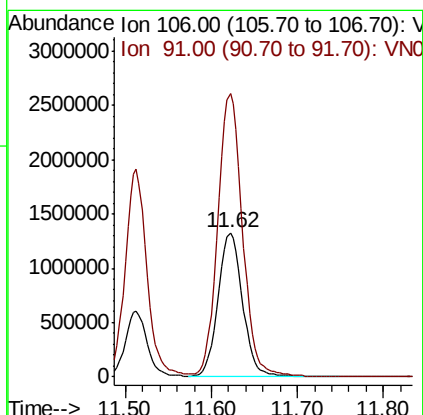
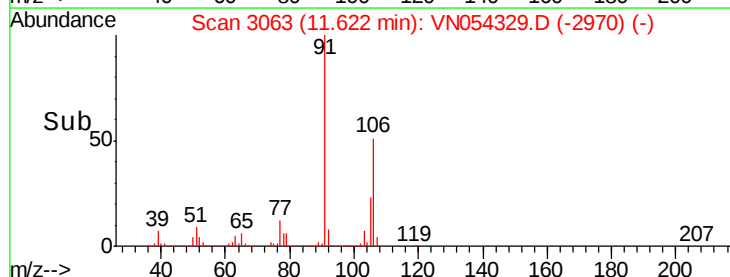
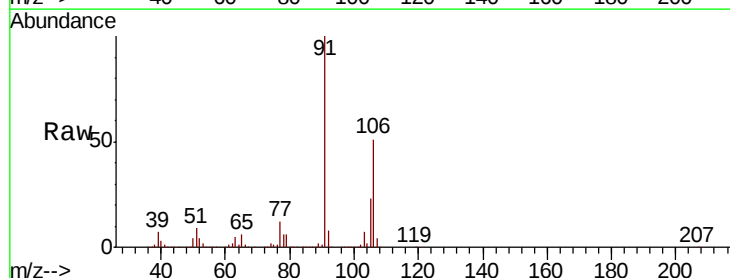
Acq: 16 Mar 2019 00:13

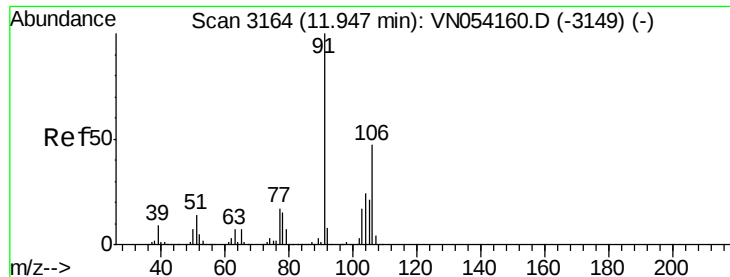
Tgt Ion: 106 Resp: 2644544

Ion Ratio Lower Upper

106 100

91 197.9 159.4 239.2





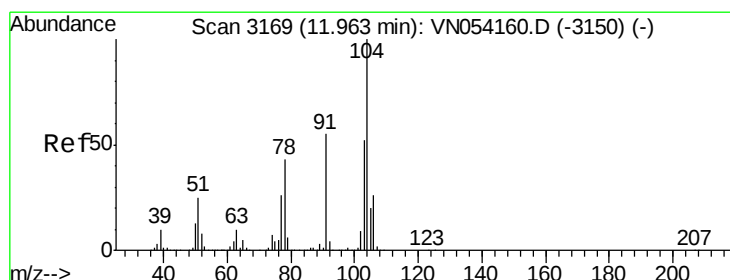
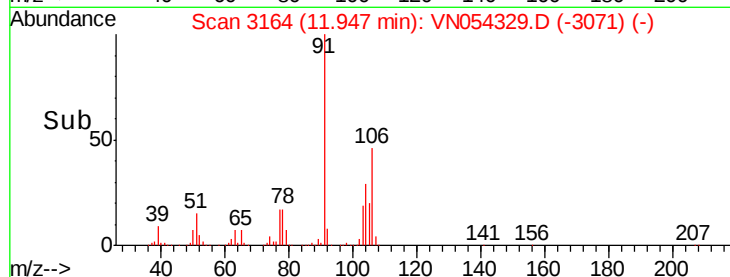
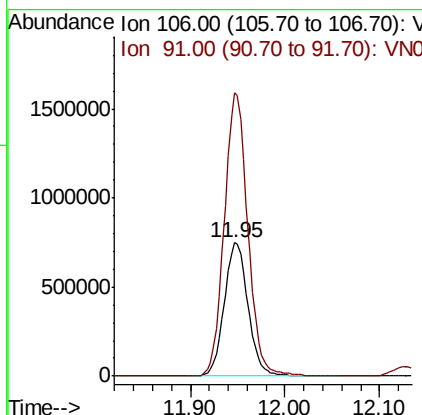
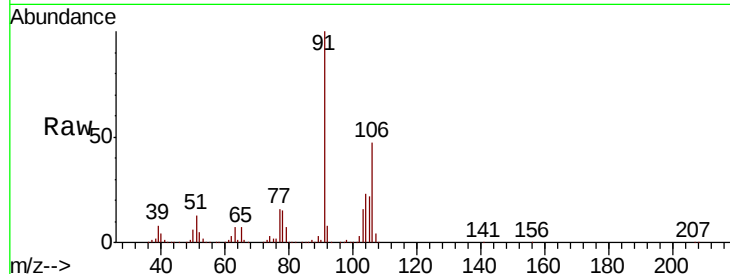
#69
o-Xylene
Concen: 52.183 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 1312373
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1

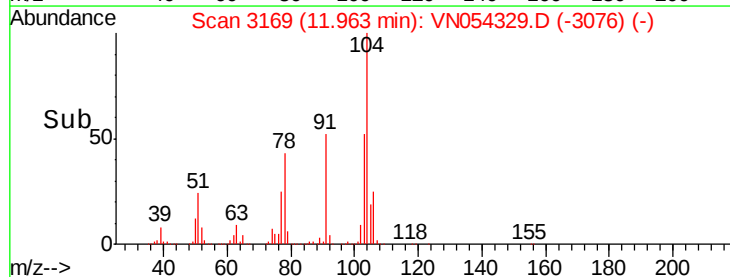
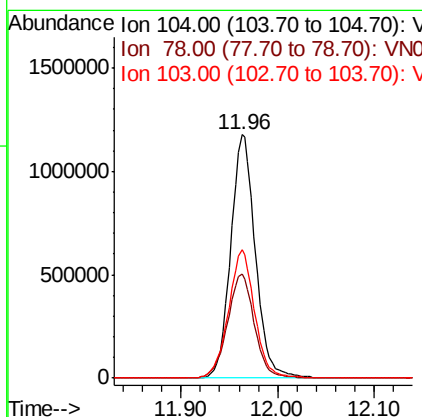
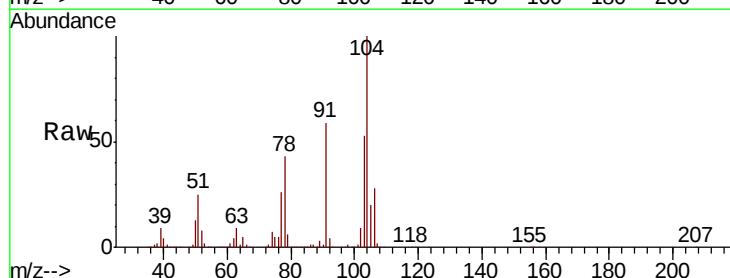
Manual Integrations
APPROVED

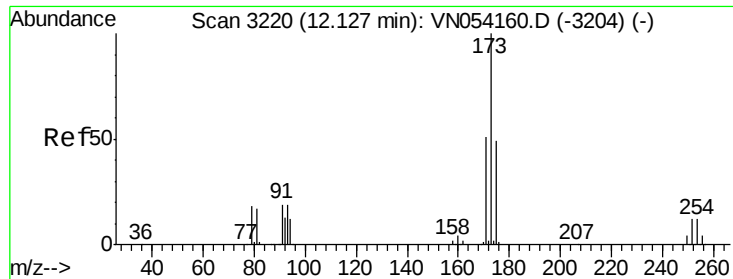
MMDadoda
3/16/2019 11:09:33 AM



#70
Styrene
Concen: 52.715 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion:104 Resp: 2079216
Ion Ratio Lower Upper
104 100
78 46.9 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 46.399 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

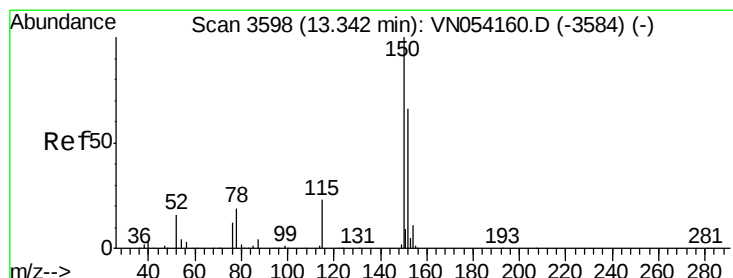
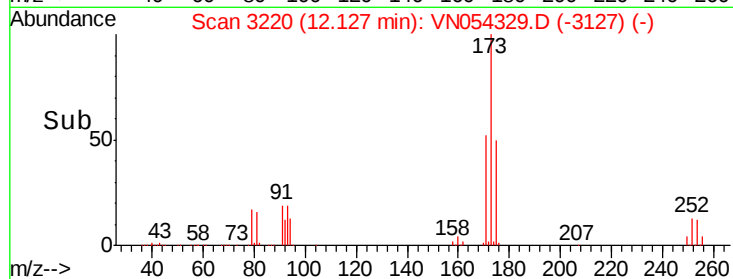
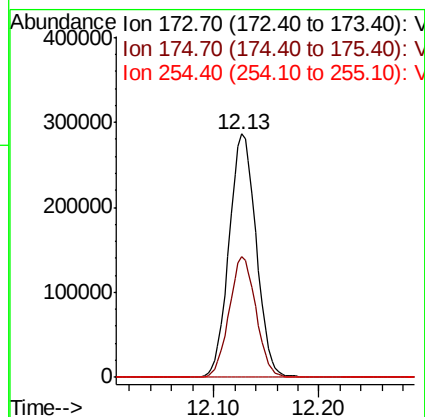
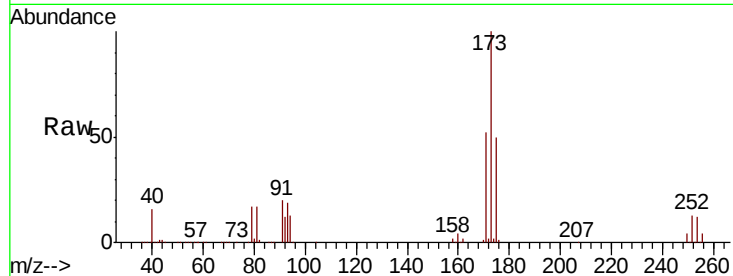
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	173	Resp:	509674
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

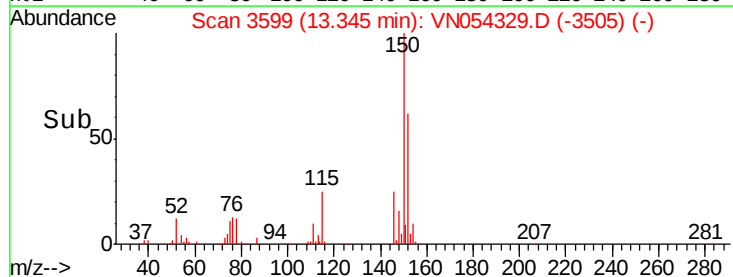
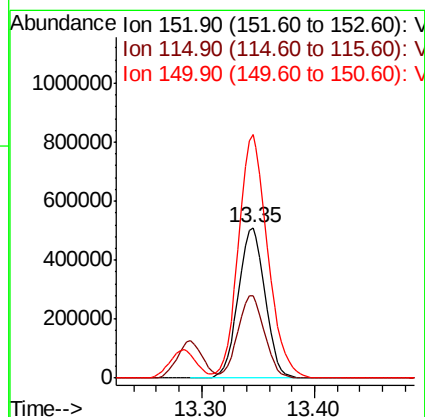
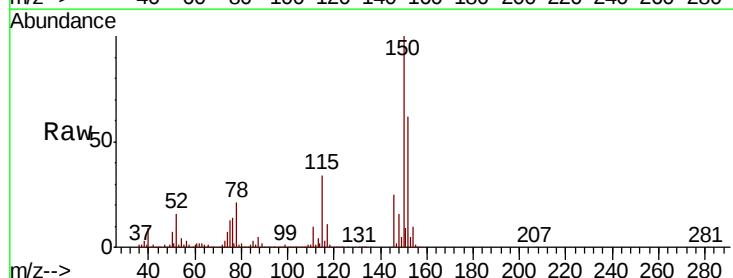
RT: 13.35 min Scan# 3599

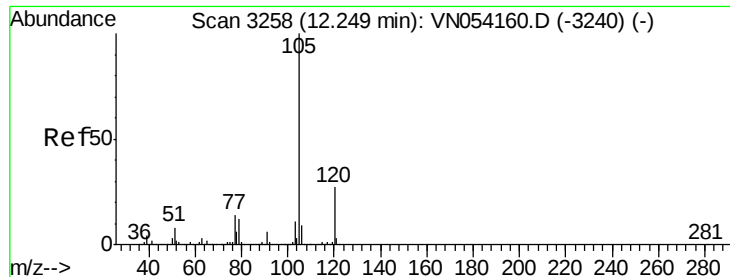
Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion:	152	Resp:	842927
Ion Ratio	Lower	Upper	
152	100		
115	54.8	27.2	81.6
150	175.9	0.0	349.2





#73

Isopropylbenzene

Concen: 50.592 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 3411924

Ion Ratio Lower Upper

105 100

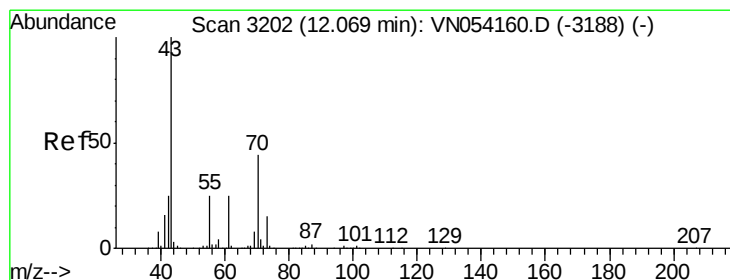
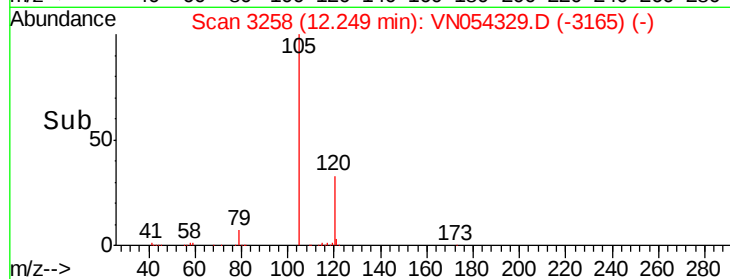
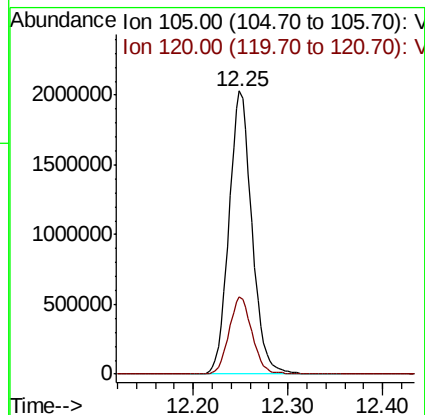
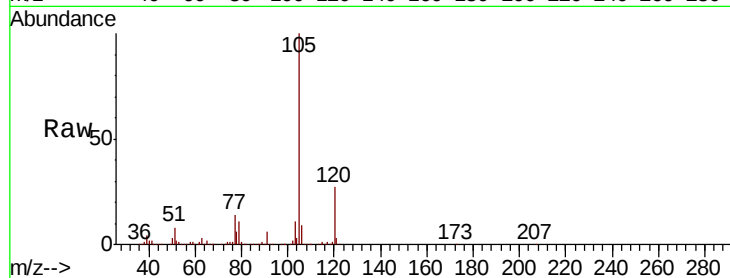
120 27.3 13.8 41.3

Manual Integrations

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3/16/2019 11:09:33 AM



#74

N-ethyl acetate

Concen: 55.908 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion: 43 Resp: 836900

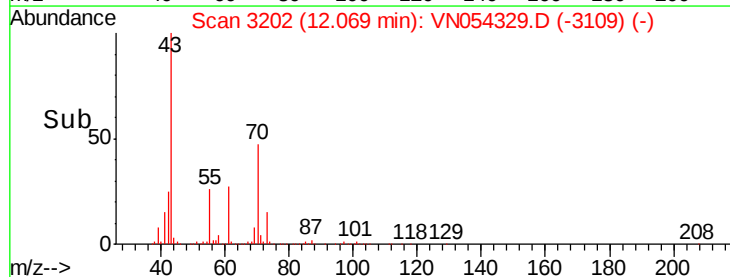
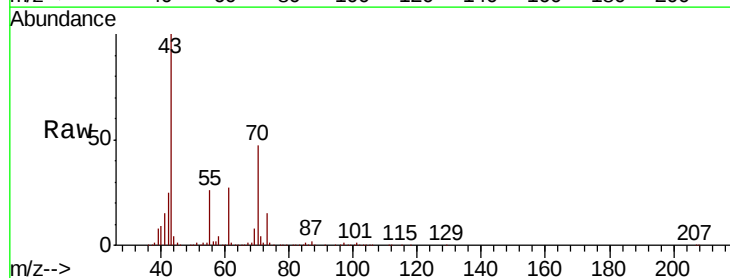
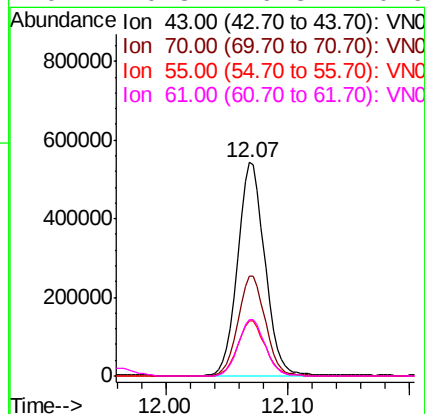
Ion Ratio Lower Upper

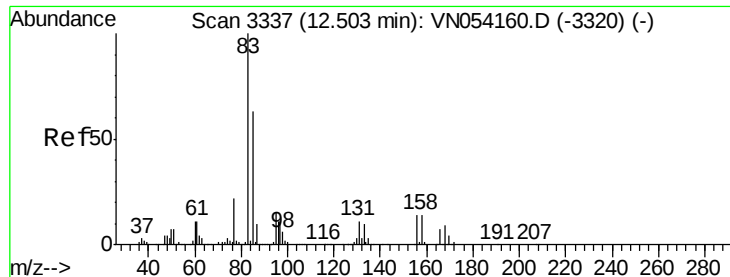
43 100

70 47.3 35.4 53.0

55 26.2 19.8 29.6

61 26.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.690 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 828916
Ion Ratio Lower Upper

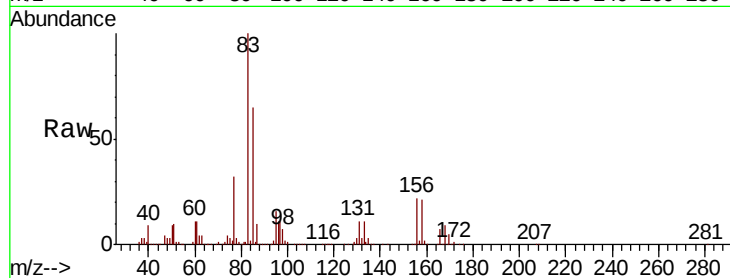
83 100

131 11.5 5.8 17.4

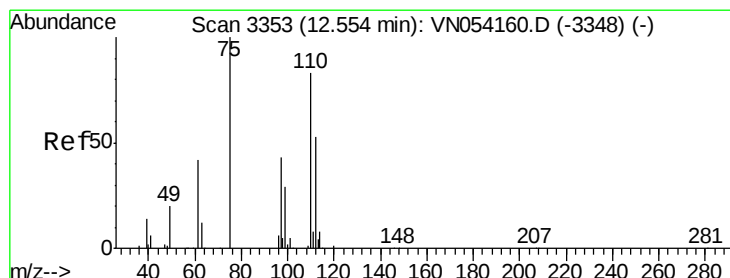
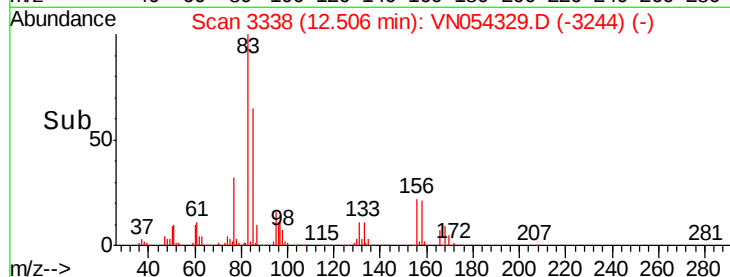
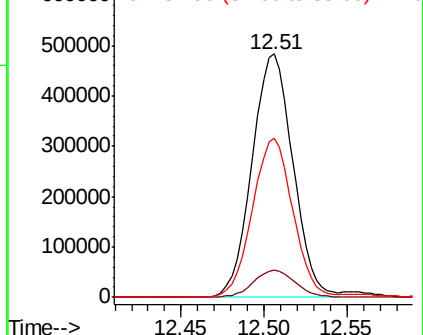
85 64.4 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 55.336 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

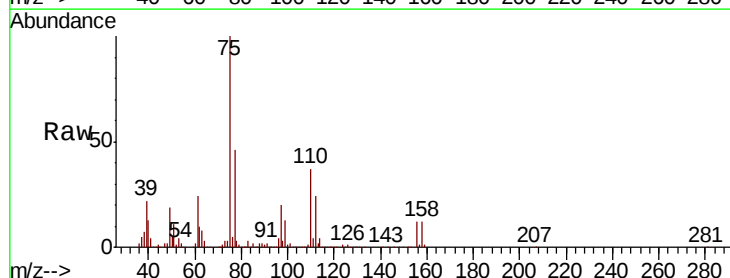
Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

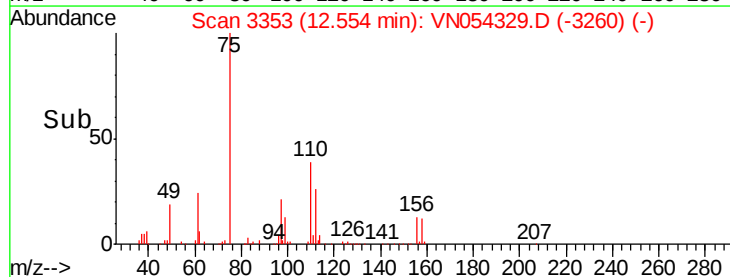
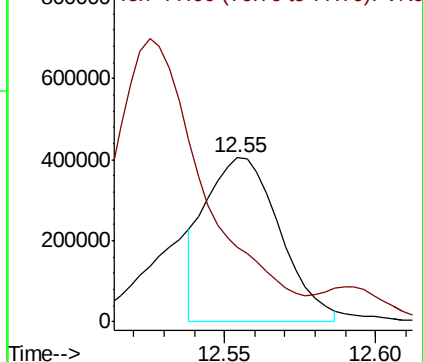
Tgt Ion: 75 Resp: 685930
Ion Ratio Lower Upper

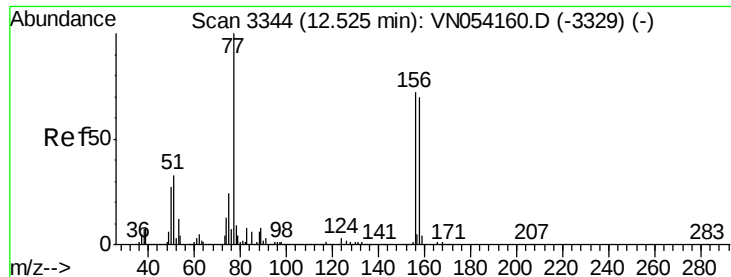
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





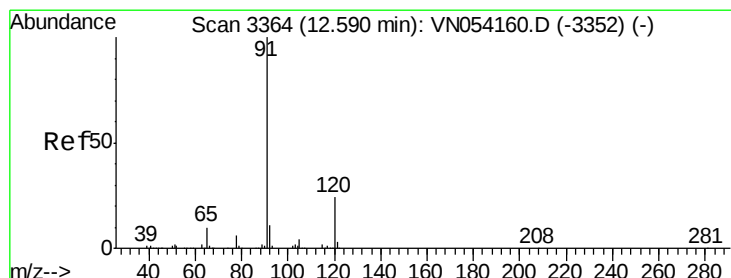
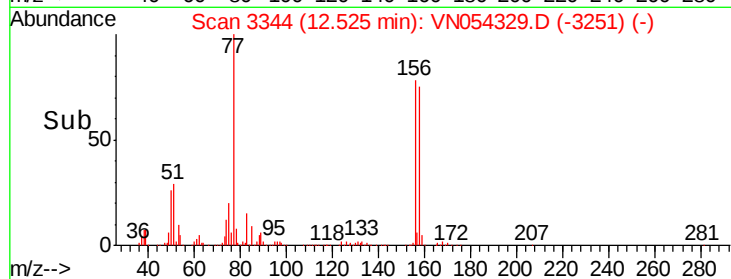
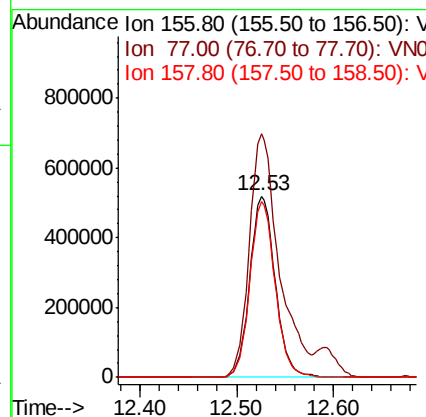
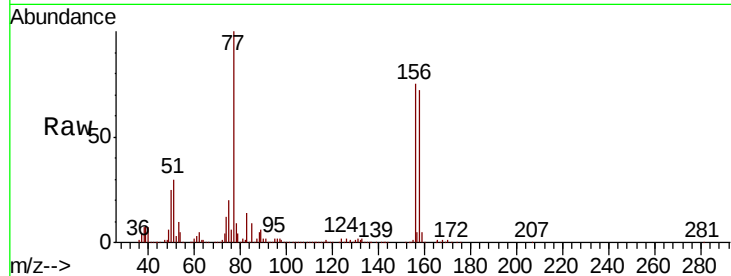
#77
Bromobenzene
Concen: 52.952 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	157.7	81.5	244.4
158	96.4	49.0	147.2

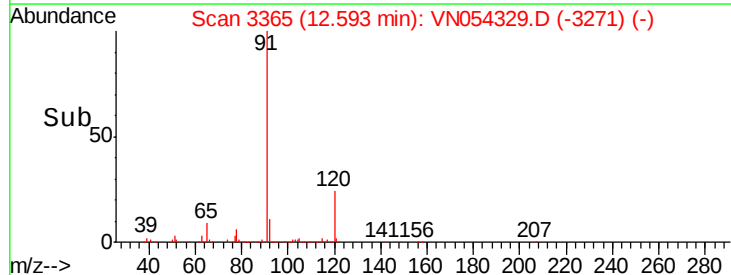
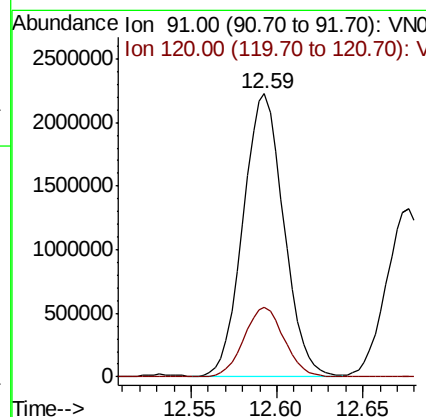
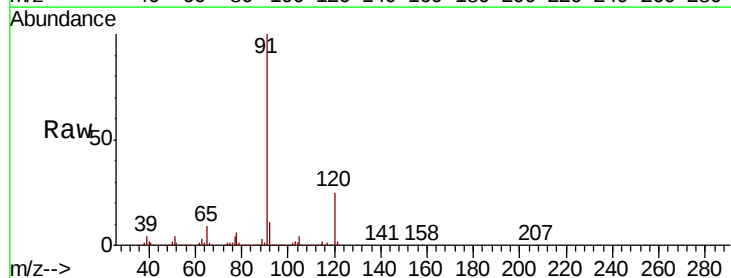
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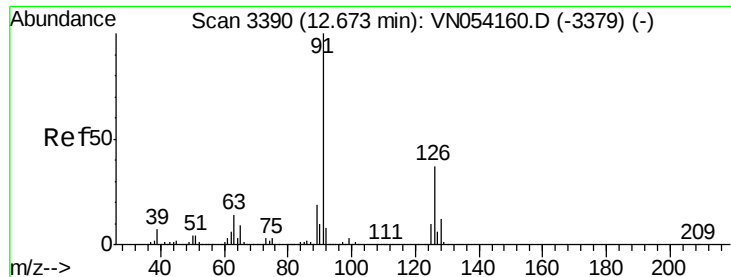
MMDadoda
3/16/2019 11:09:33 AM



#78
n-propylbenzene
Concen: 49.751 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.666 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2229251

Ion Ratio Lower Upper

91 100

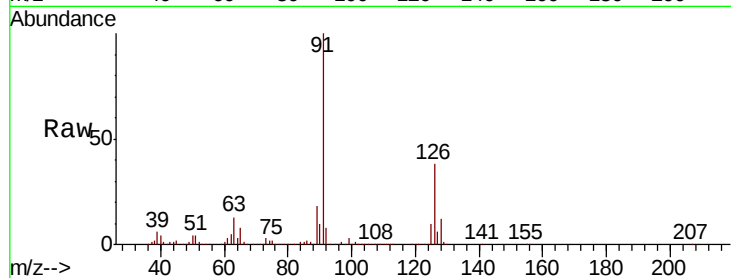
126 37.5 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

1500000

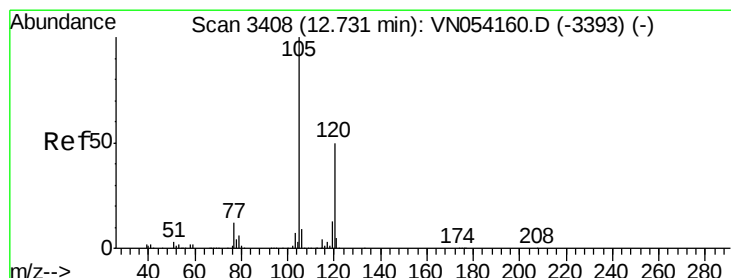
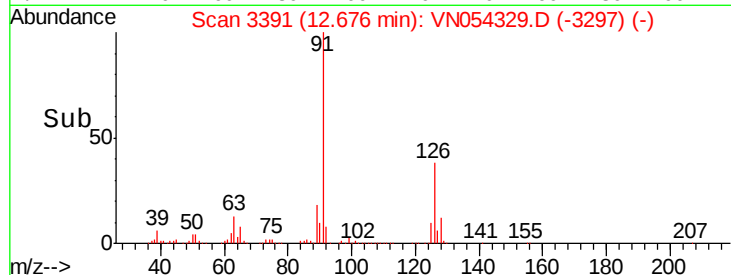
1000000

500000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.430 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054329.D

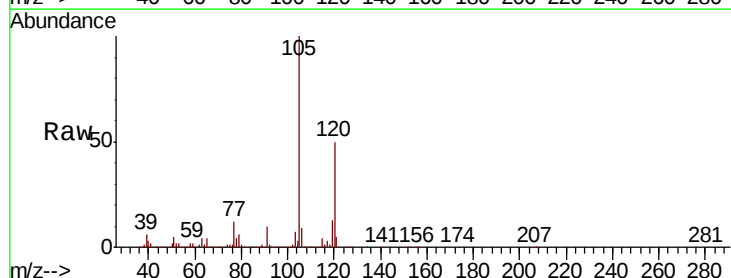
Acq: 16 Mar 2019 00:13

Tgt Ion: 105 Resp: 2772814

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

2000000

1500000

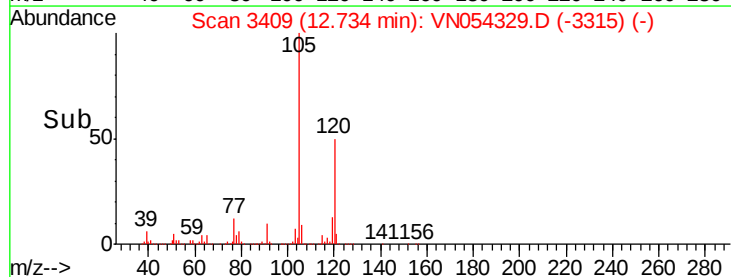
1000000

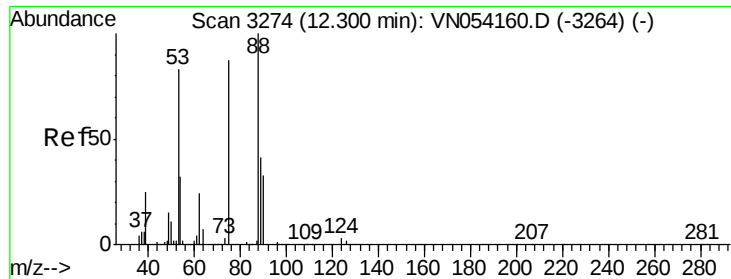
500000

0

12.70 12.73 12.80

Time-->





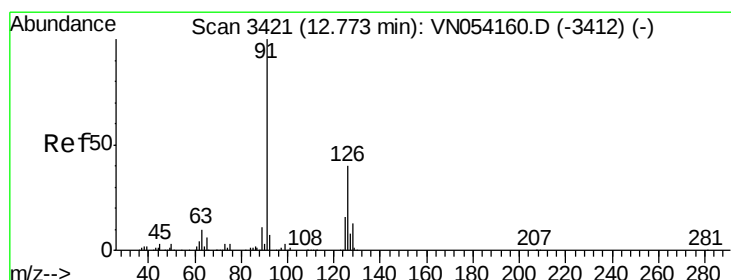
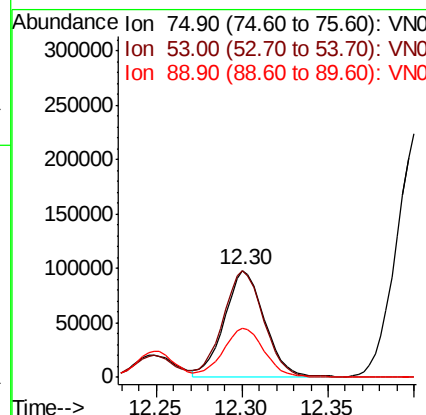
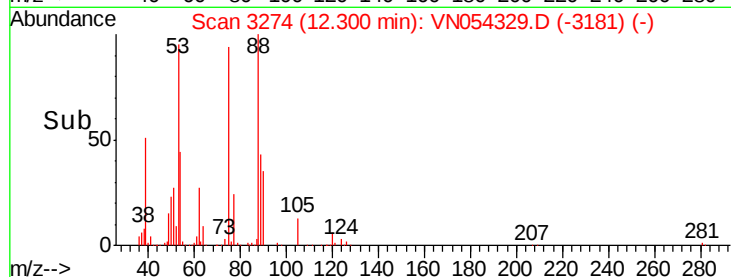
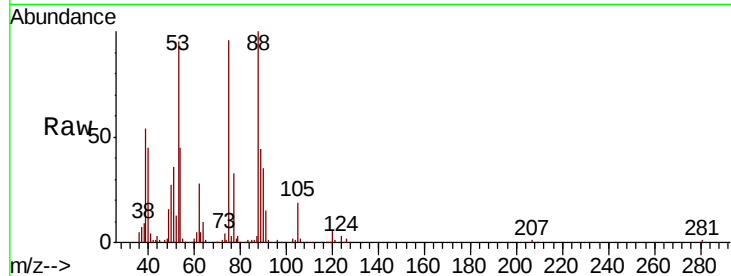
#81
trans-1,4-Dichloro-2-butene
Concen: 43.747 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	101.8	76.2	114.2
89	47.6	39.2	58.8

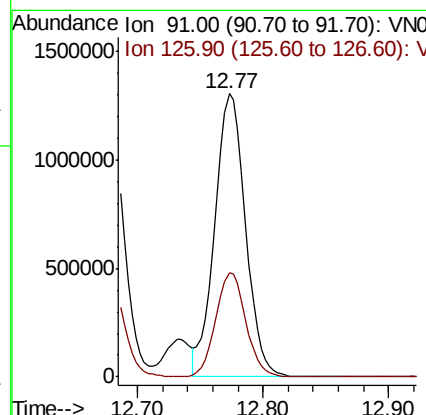
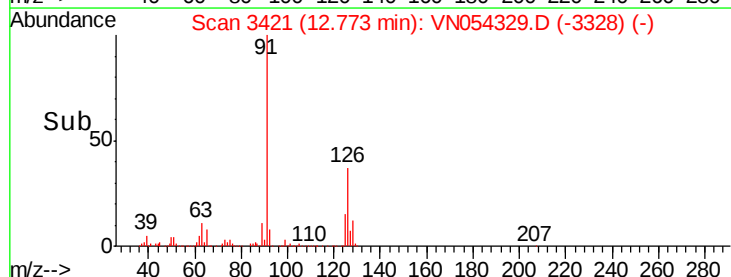
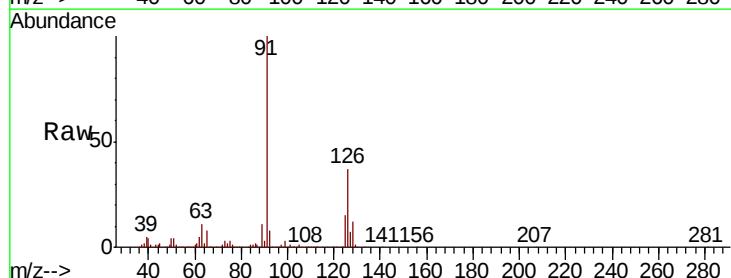
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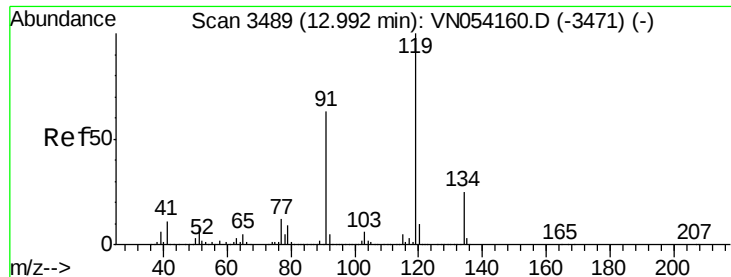
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#82
4-Chlorotoluene
Concen: 50.416 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.1





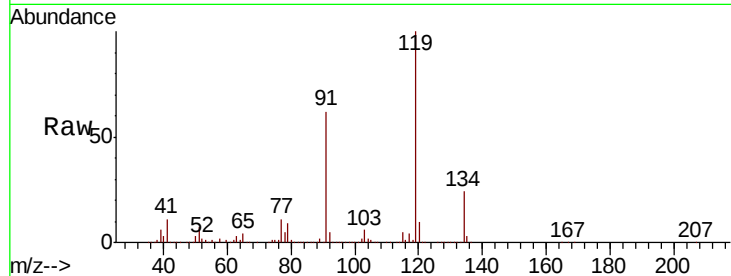
#83
 tert-Butylbenzene
 Concen: 48.990 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

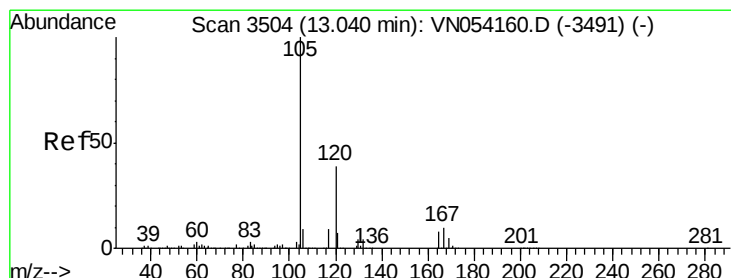
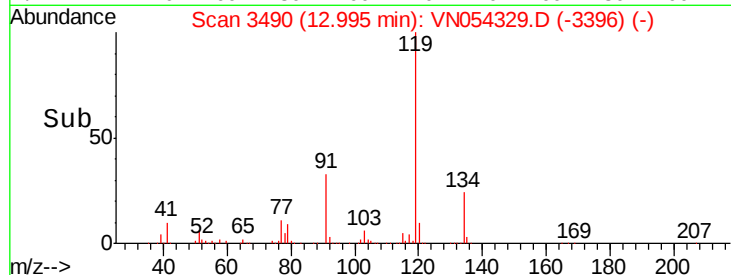
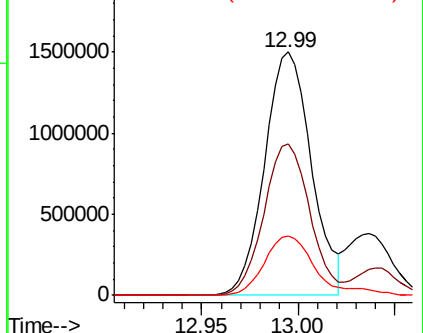
Tgt Ion:119 Resp: 2529471
 Ion Ratio Lower Upper
 119 100
 91 61.3 30.9 92.8
 134 26.7 13.2 39.6

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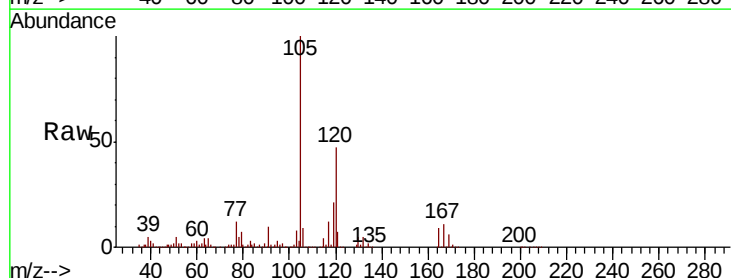


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

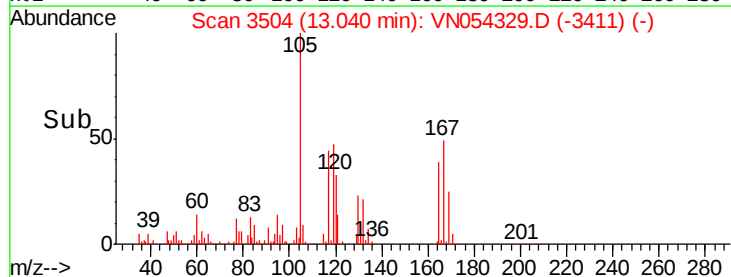
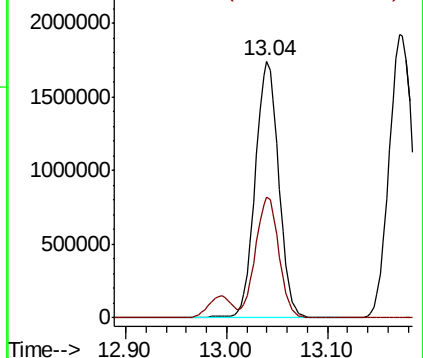


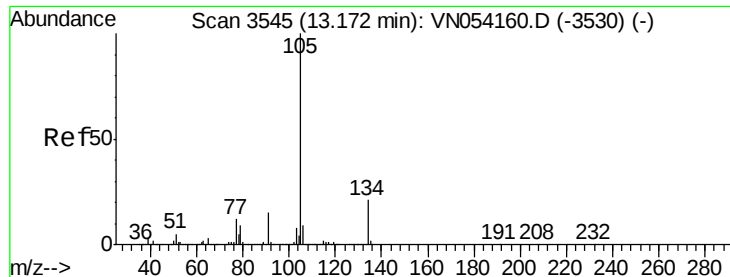
#84
 1,2,4-Trimethylbenzene
 Concen: 50.842 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion:105 Resp: 2797936
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





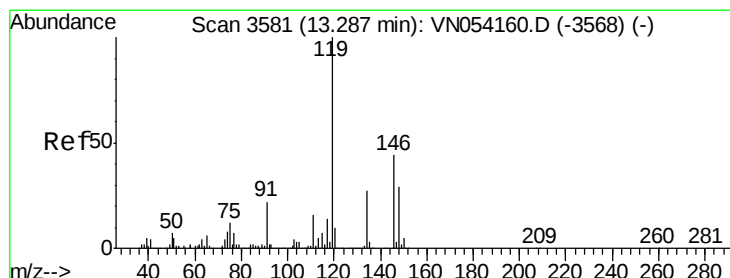
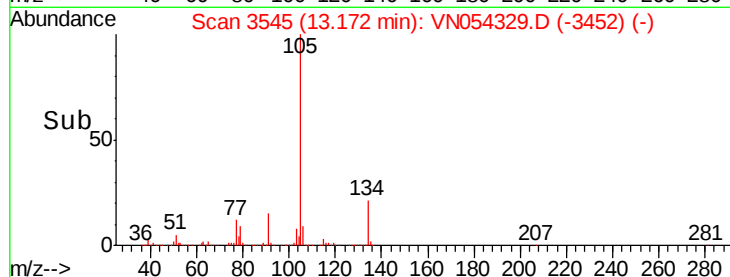
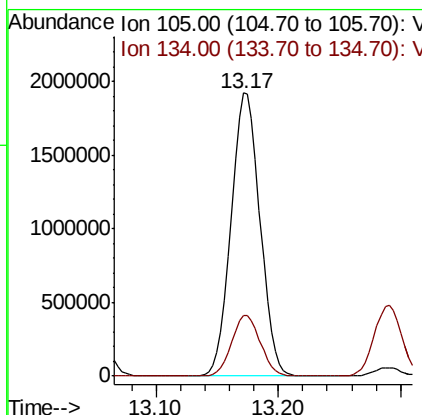
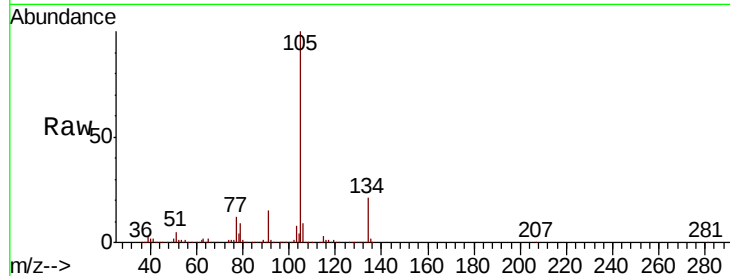
#85
 sec-Butylbenzene
 Concen: 47.295 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 3166875
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 32.1

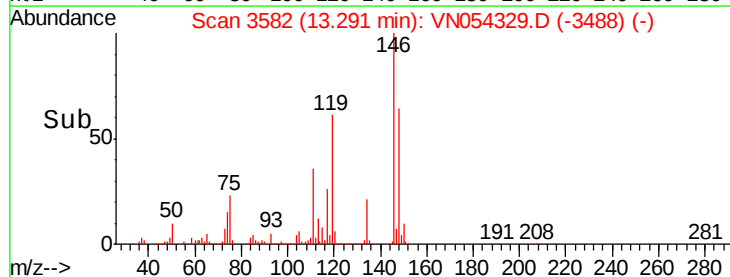
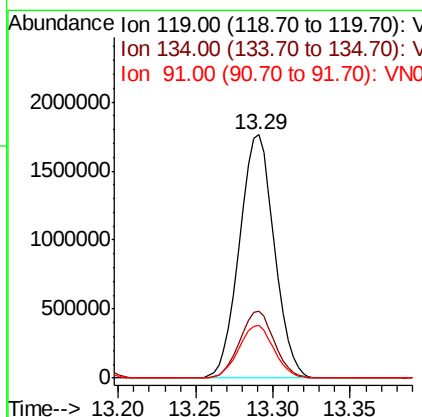
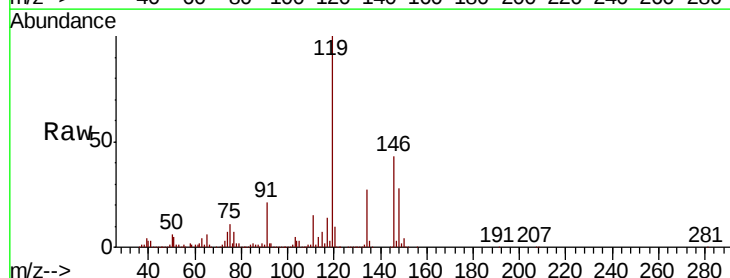
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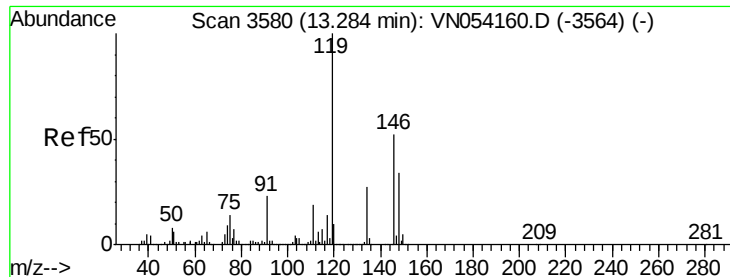
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#86
 p-Isopropyltoluene
 Concen: 46.972 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion:119 Resp: 2759327
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 21.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 51.364 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

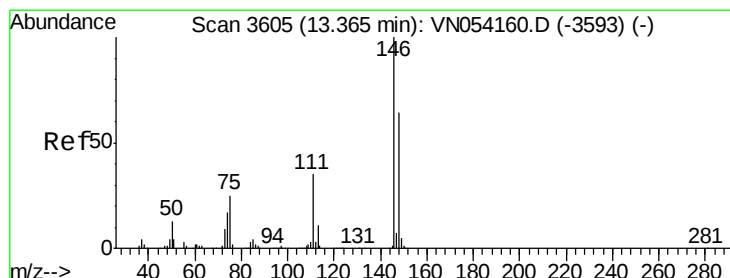
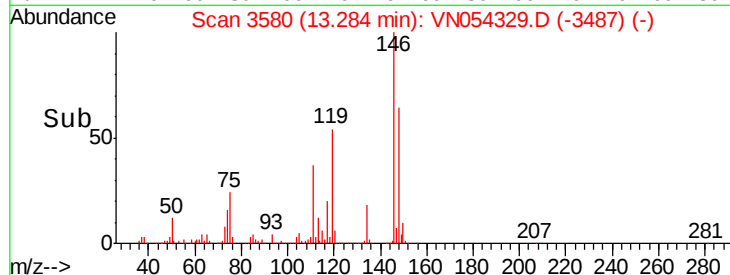
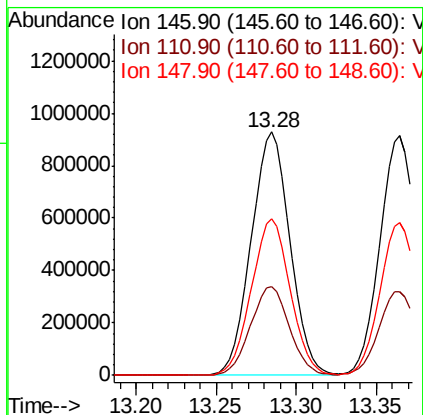
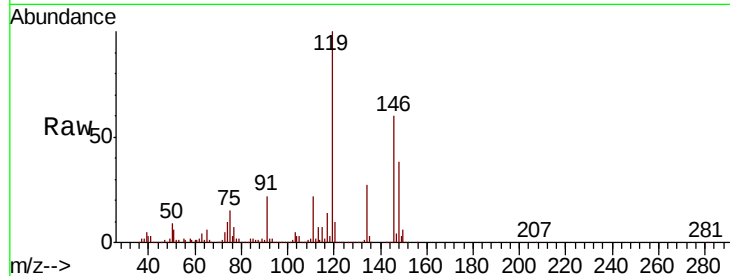
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	1544517
Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.3
148	64.3	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 50.827 ug/l

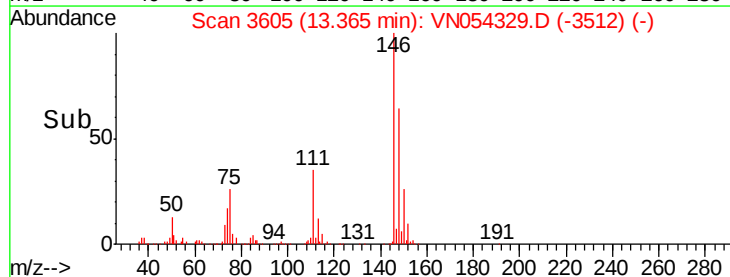
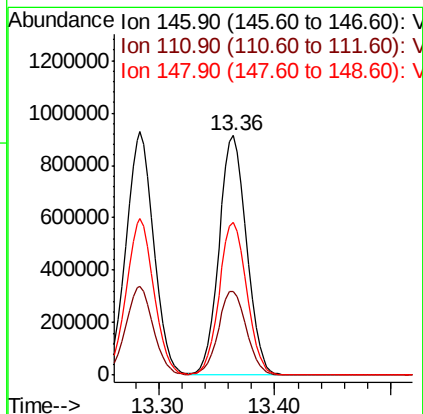
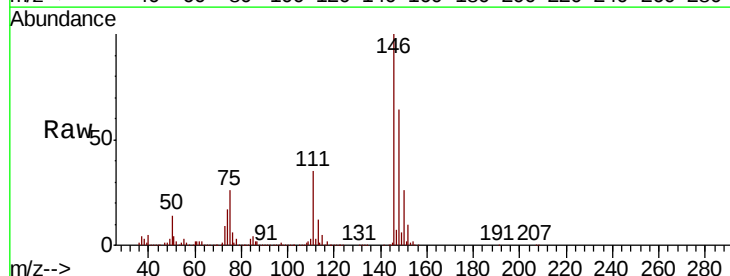
RT: 13.36 min Scan# 3605

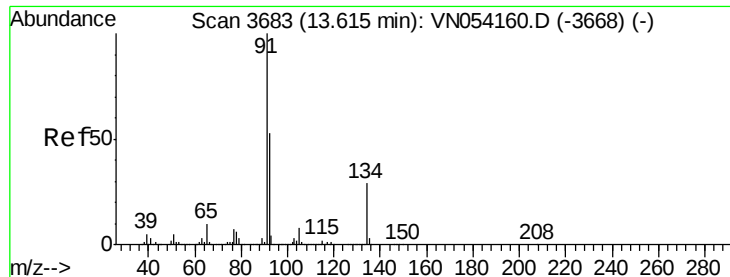
Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion:	146	Resp:	1501422
Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.1
148	64.1	32.0	96.0





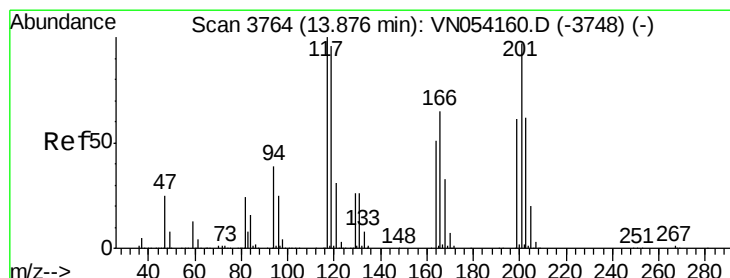
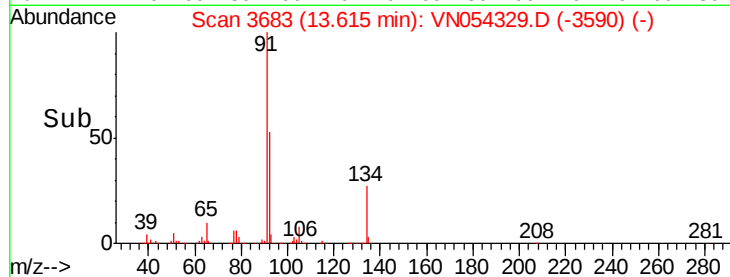
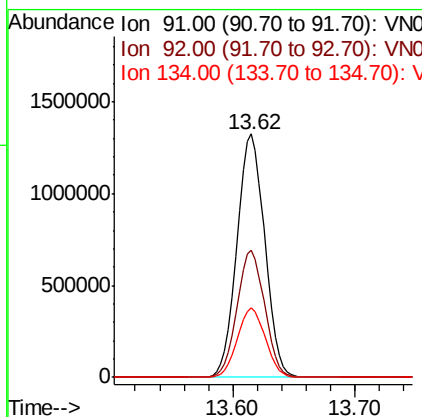
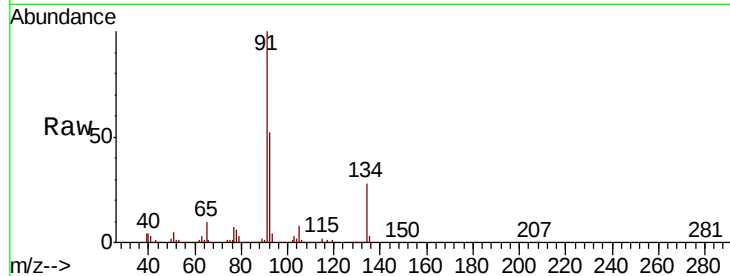
#89
n-Butylbenzene
Concen: 46.509 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 2075904
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.6
134 28.6 14.3 42.9

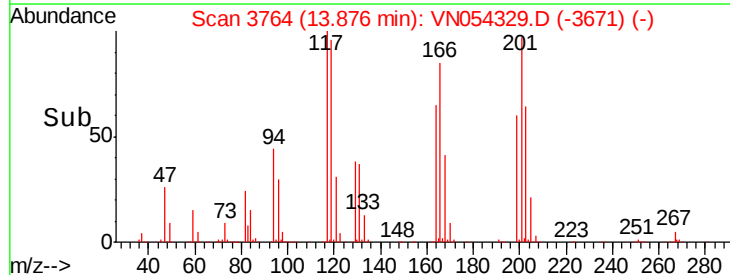
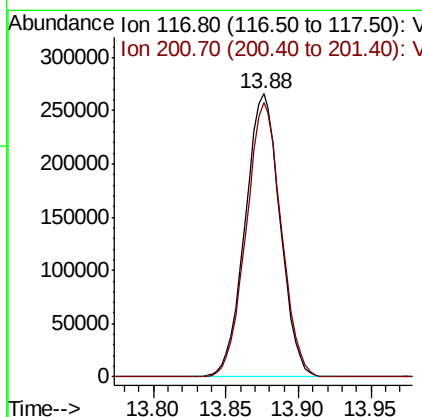
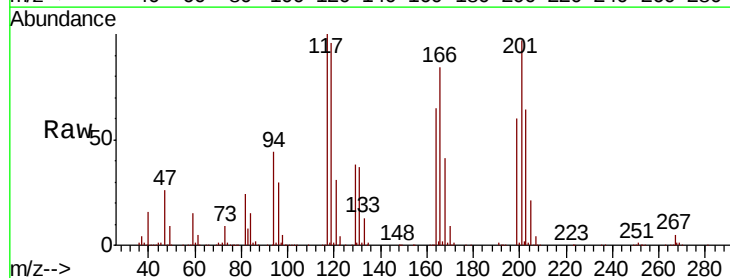
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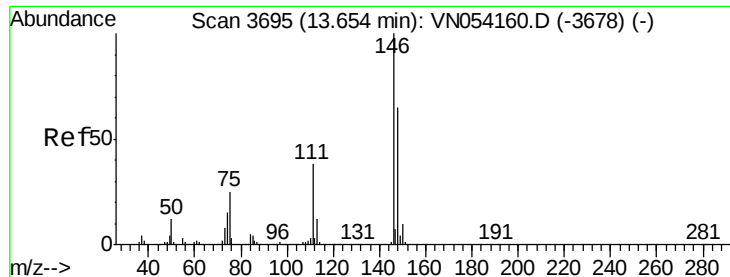
MMDadoda
3/16/2019 11:09:33 AM



#90
Hexachloroethane
Concen: 45.857 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 117 Resp: 446061
Ion Ratio Lower Upper
117 100
201 96.9 48.1 144.4





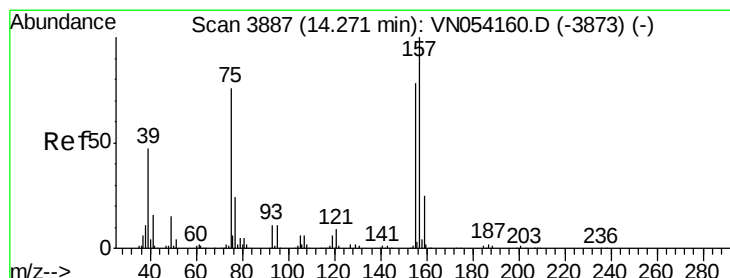
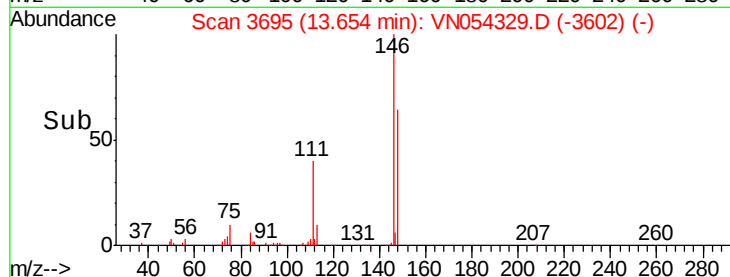
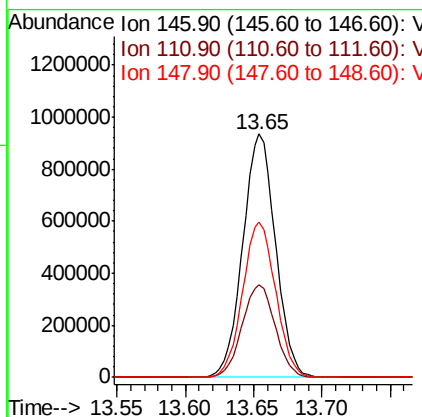
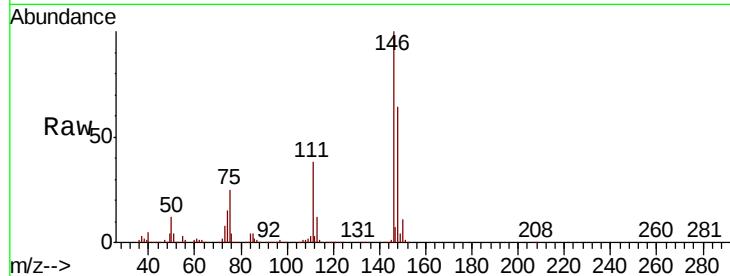
#91
 1,2-Dichlorobenzene
 Concen: 52.844 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	64.3	32.4	97.0

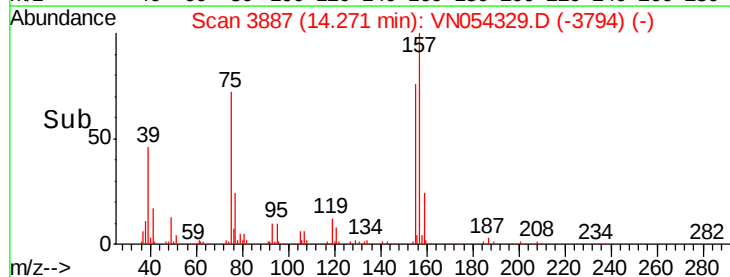
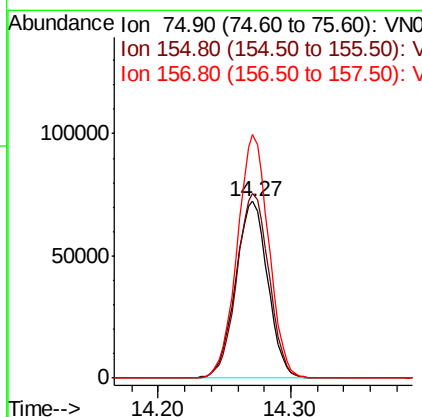
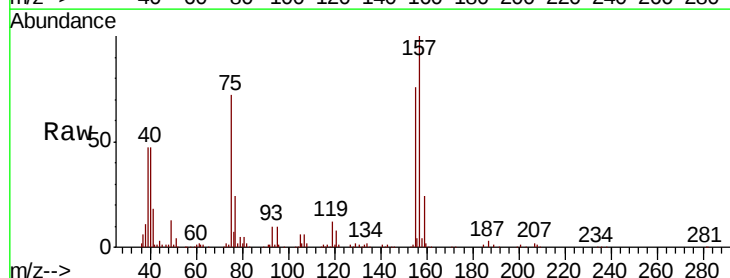
Manual Integrations
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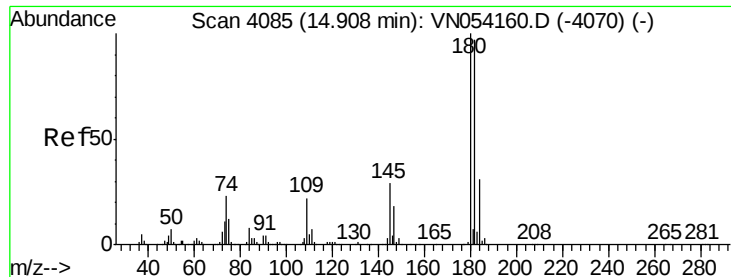
MMDadoda
 3/16/2019 11:09:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.891 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.6	50.1	150.3
157	134.8	63.1	189.3





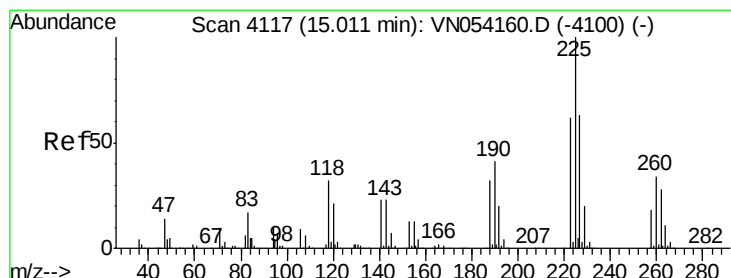
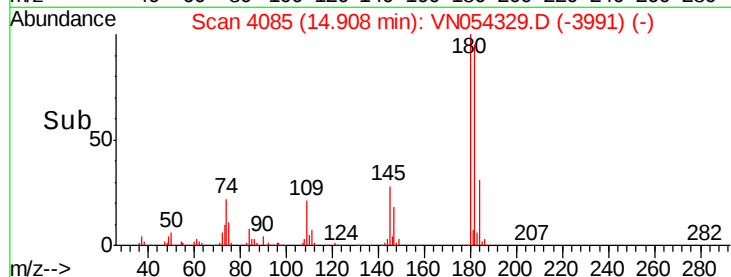
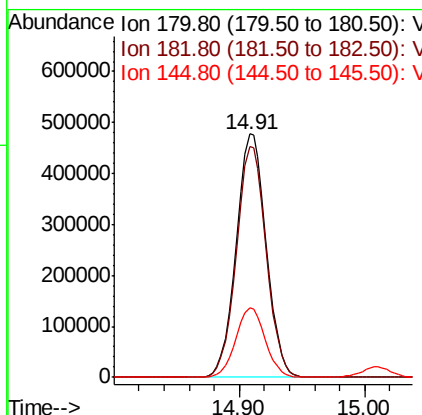
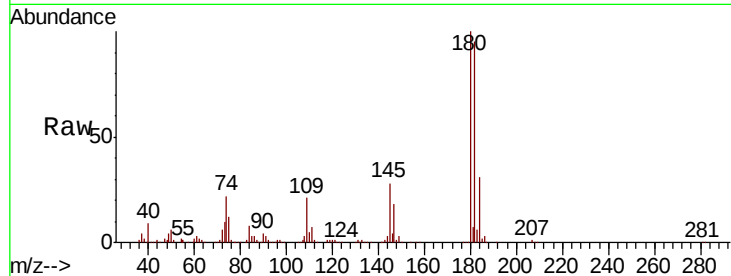
#93
 1,2,4-Trichlorobenzene
 Concen: 44.749 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.0	144.2
145	28.2	14.2	42.8

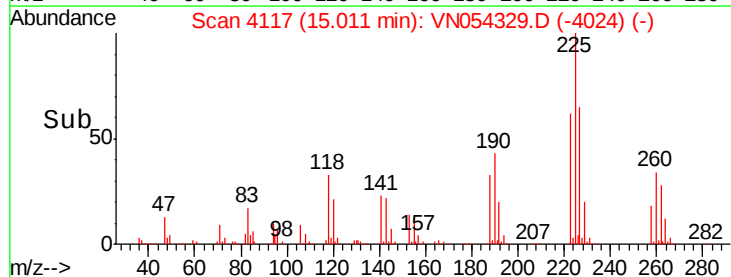
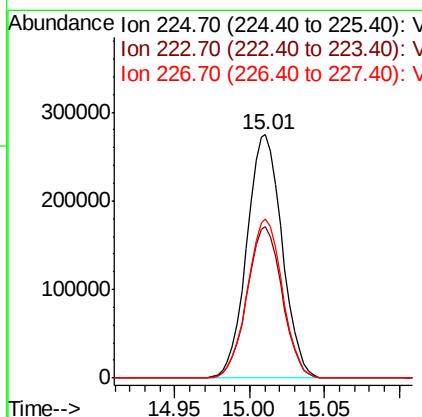
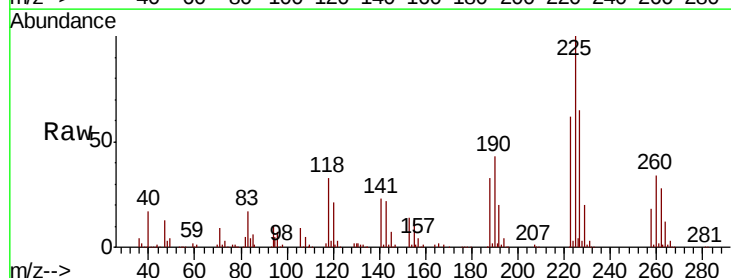
Manual Integrations
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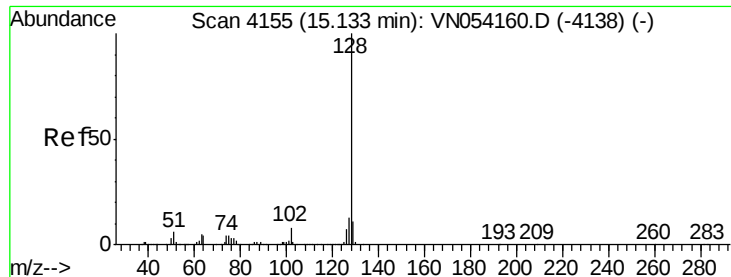
MMDadoda
 3/16/2019 11:09:33 AM



#94
 Hexachlorobutadiene
 Concen: 40.130 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.5
227	65.1	31.9	95.9





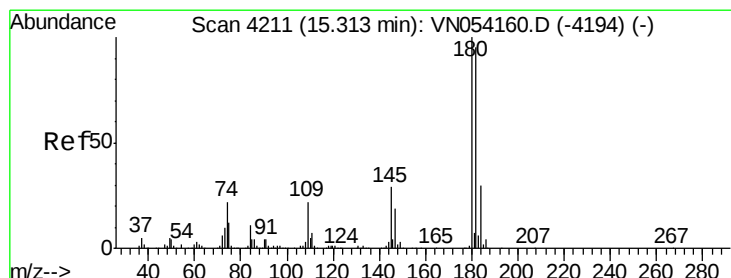
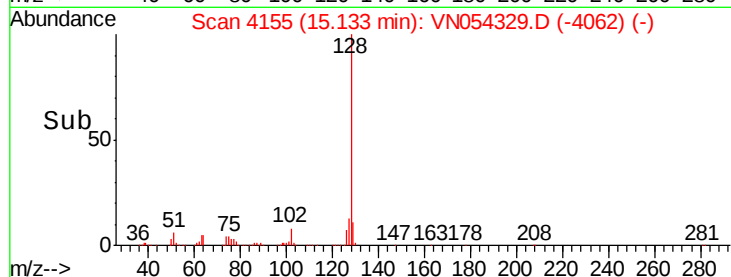
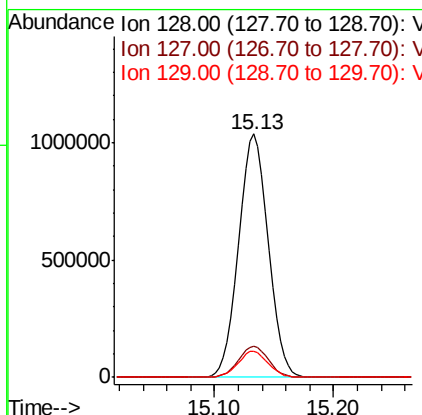
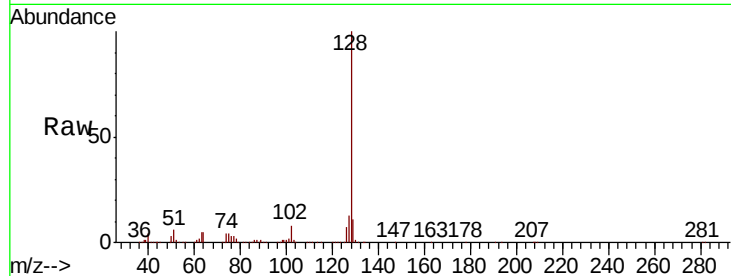
#95
Naphthalene
Concen: 48.549 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.157 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.6
145	29.8	14.8	44.3

