

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054055.D
 Acq On : 2 Mar 2019 2:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 3/4/2019 1:54:25 PM

Quant Time: Mar 02 05:11:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	632327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1033598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	907706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	416828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	384891	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	334865	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	10.09	98	1234902	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	419637	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	271302	46.620	ug/l	99
3) Chloromethane	2.06	50	442379	54.804	ug/l	99
4) Vinyl Chloride	2.19	62	392016	48.470	ug/l	99
5) Bromomethane	2.57	94	211110	39.413	ug/l	99
6) Chloroethane	2.71	64	240679	47.849	ug/l	99
7) Trichlorofluoromethane	3.02	101	486736	47.108	ug/l	99
8) Diethyl Ether	3.41	74	196941	50.875	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	306524	46.972	ug/l	94
10) Methyl Iodide	3.96	142	382546	44.613	ug/l	98
11) Tert butyl alcohol	4.78	59	127330	270.976	ug/l	99
12) 1,1-Dichloroethene	3.74	96	297079	47.593	ug/l	90
13) Acrolein	3.61	56	84481	173.650	ug/l	97
14) Allyl chloride	4.33	41	558032	50.971	ug/l	95
15) Acrylonitrile	4.99	53	673074	271.776	ug/l	99
16) Acetone	3.82	43	467449	237.636	ug/l	95
17) Carbon Disulfide	4.06	76	899755	44.682	ug/l	99
18) Methyl Acetate	4.32	43	304257	58.703	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	890848	53.201	ug/l	99
20) Methylene Chloride	4.55	84	540599	73.690	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	328953	48.691	ug/l	92
22) Diisopropyl ether	5.95	45	1140779	54.012	ug/l	96
23) Vinyl Acetate	5.90	43	4151846	273.255	ug/l	95
24) 1,1-Dichloroethane	5.85	63	652967	50.413	ug/l	98
25) 2-Butanone	6.83	43	771325	265.021	ug/l	94
26) 2,2-Dichloropropane	6.83	77	376162	40.878	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	377393	50.229	ug/l	95
28) Bromochloromethane	7.19	49	316693	53.418	ug/l #	81
29) Tetrahydrofuran	7.21	42	534187	275.617	ug/l	91
30) Chloroform	7.37	83	623818	49.670	ug/l	99
31) Cyclohexane	7.65	56	588755	49.668	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	513182	49.557	ug/l	97
36) 1,1-Dichloropropene	7.79	75	473202	49.230	ug/l	97
37) Ethyl Acetate	6.93	43	352928	51.422	ug/l	96
38) Carbon Tetrachloride	7.77	117	452603	45.274	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	534911	46.171	ug/l	94
40) Benzene	8.04	78	1440305	48.776	ug/l	100
41) Methacrylonitrile	7.18	41	180932	40.940	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	455081	49.779	ug/l	97
43) Isopropyl Acetate	8.16	43	612044	52.816	ug/l #	91
44) Trichloroethene	8.84	130	365855	46.734	ug/l	96
45) 1,2-Dichloropropane	9.12	63	397787	49.931	ug/l	99
46) Dibromomethane	9.21	93	230215	49.775	ug/l	91
47) Bromodichloromethane	9.40	83	486437	49.906	ug/l	97
48) Methyl methacrylate	9.20	41	294516	55.253	ug/l	93
49) 1,4-Dioxane	9.20	88	77357	1071.502	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	1689097	283.650	ug/l	95
52) Toluene	10.16	92	859987	49.460	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	478974	50.504	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	552840	49.448	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	322047	49.595	ug/l	97
56) Ethyl methacrylate	10.43	69	423023	49.696	ug/l	89
57) 1,3-Dichloropropane	10.71	76	556087	50.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	969395	244.843	ug/l	95
59) 2-Hexanone	10.75	43	1083337	279.720	ug/l	93
60) Dibromochloromethane	10.90	129	354413	49.110	ug/l	100
61) 1,2-Dibromoethane	11.01	107	308012	49.172	ug/l	100
64) Tetrachloroethene	10.63	164	349910	45.524	ug/l	98
65) Chlorobenzene	11.44	112	921199	48.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	342288	49.577	ug/l	100
67) Ethyl Benzene	11.51	91	1605368	49.988	ug/l	98
68) m/p-Xylenes	11.62	106	1217959	100.484	ug/l	96
69) o-Xylene	11.95	106	589782	49.521	ug/l	96
70) Styrene	11.96	104	968146	52.850	ug/l	99
71) Bromoform	12.13	173	238767	49.710	ug/l #	100
73) Isopropylbenzene	12.25	105	1540566	47.479	ug/l	99
74) N-amyl acetate	12.07	43	484139	56.929	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	400583	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	333130m	49.820	ug/l	
77) Bromobenzene	12.53	156	394114	47.840	ug/l	89
78) n-propylbenzene	12.59	91	1811205	49.083	ug/l	98
79) 2-Chlorotoluene	12.68	91	1072322	48.374	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1297158	48.832	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	100678	47.588	ug/l	91
82) 4-Chlorotoluene	12.77	91	1079522	49.274	ug/l	97
83) tert-Butylbenzene	12.99	119	1133509	48.247	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1331791	50.219	ug/l	98
85) sec-Butylbenzene	13.17	105	1546984	48.210	ug/l	98
86) p-Isopropyltoluene	13.29	119	1317759	48.578	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	685903	48.130	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	671627	48.577	ug/l	99
89) n-Butylbenzene	13.62	91	1127829	49.333	ug/l	99
90) Hexachloroethane	13.88	117	238123	45.299	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	673698	48.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60457	52.725	ug/l	86

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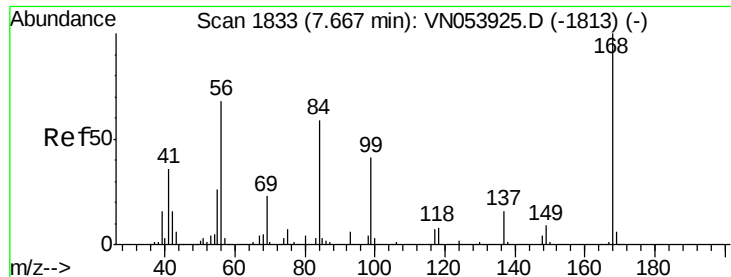
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	341633	44.831	ug/l	97
94) Hexachlorobutadiene	15.01	225	215282	43.201	ug/l	99
95) Naphthalene	15.13	128	734034	44.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333134	45.476	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 632327

Ion Ratio Lower Upper

168 100

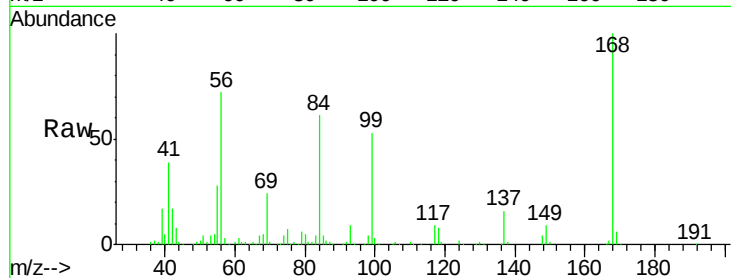
99 52.4 36.9 55.3

Manual Integrations

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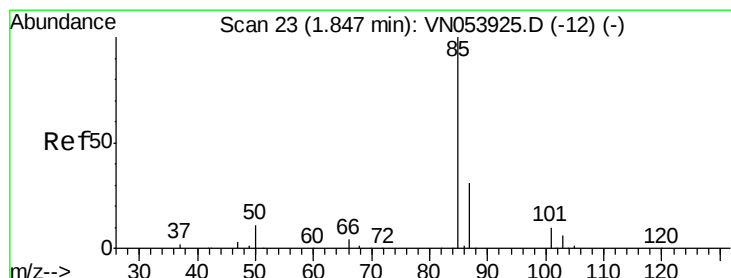
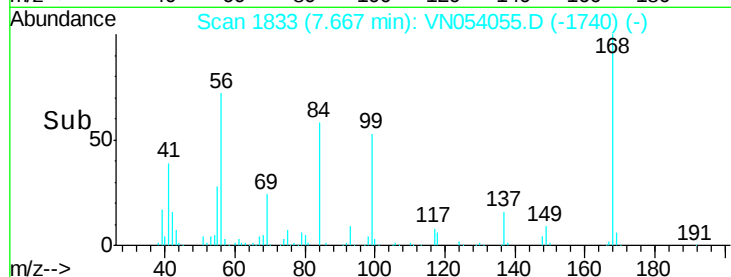
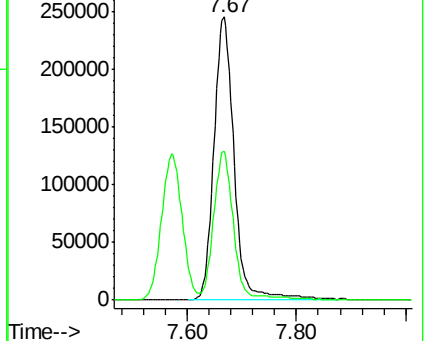
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.620 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054055.D

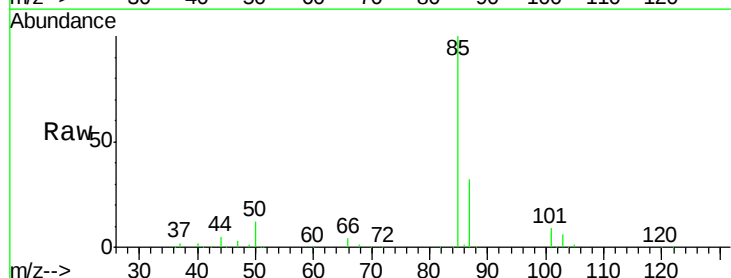
Acq: 2 Mar 2019 2:50

Tgt Ion: 85 Resp: 271302

Ion Ratio Lower Upper

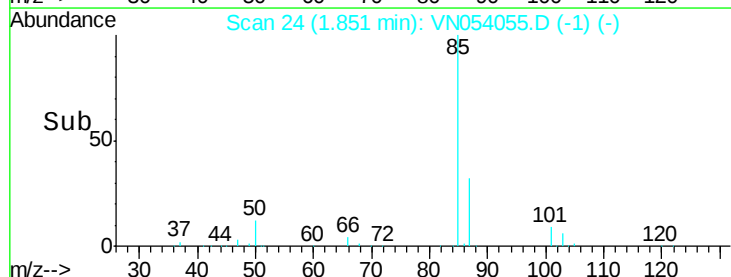
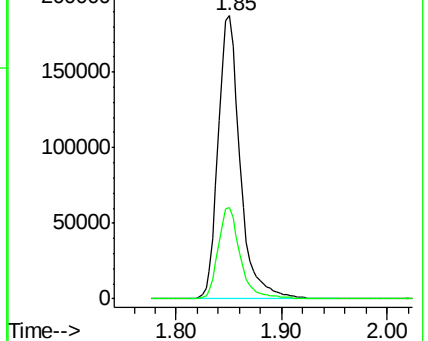
85 100

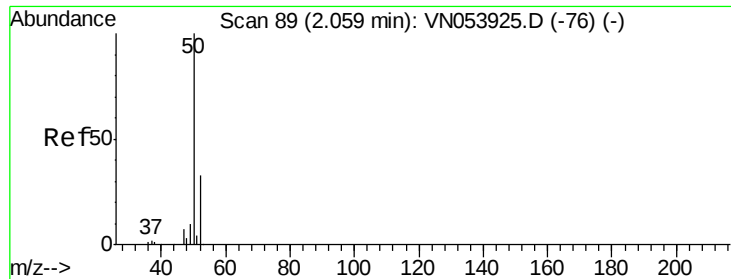
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 54.804 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 442379

Ion Ratio Lower Upper

50 100

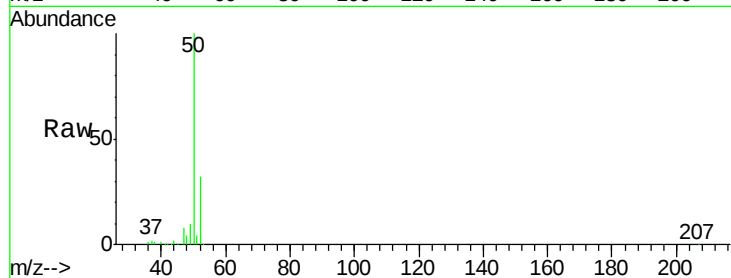
52 31.9 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

300000

250000

200000

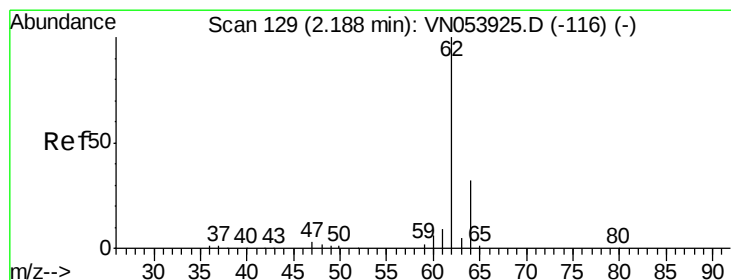
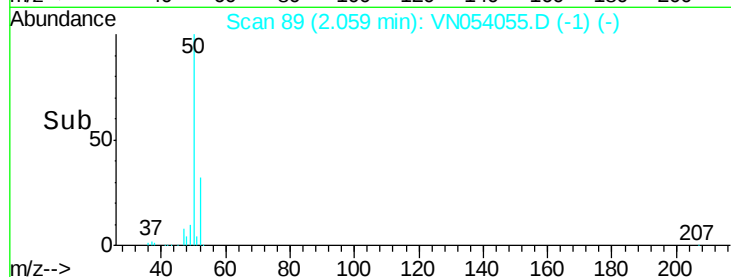
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.470 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054055.D

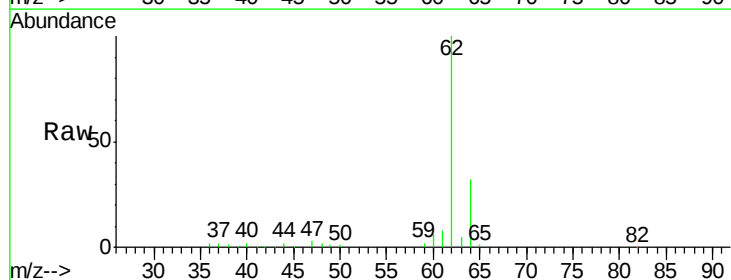
Acq: 2 Mar 2019 2:50

Tgt Ion: 62 Resp: 392016

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

300000

250000

200000

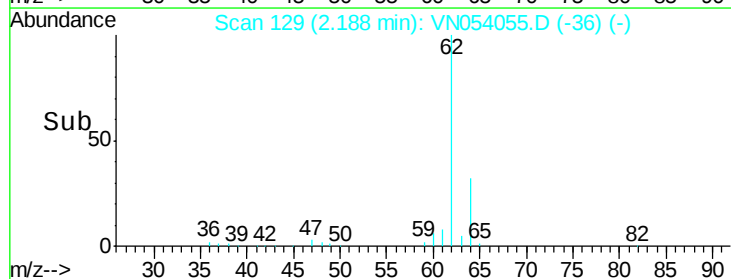
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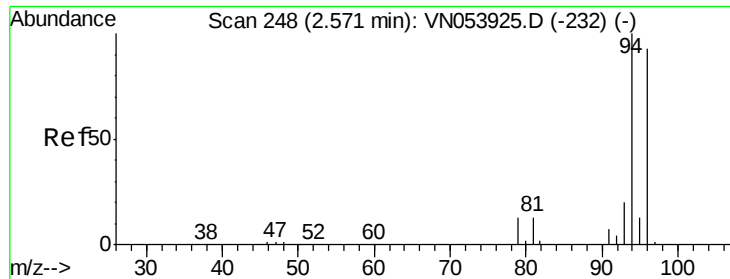
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Time-->





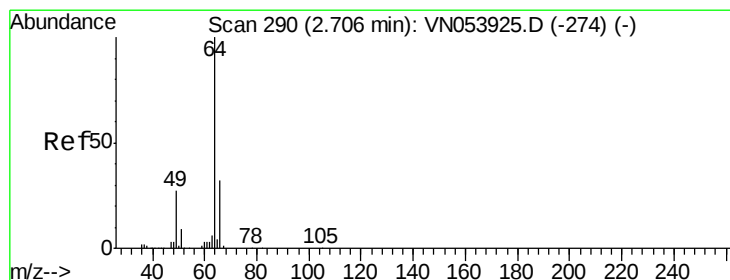
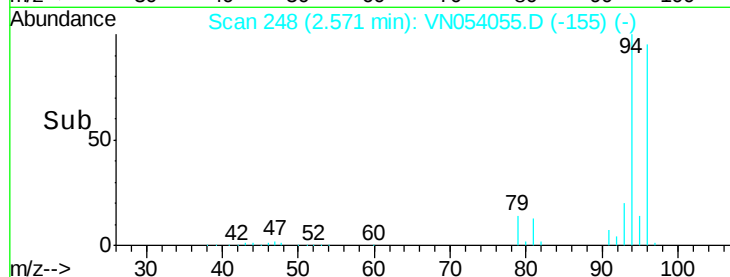
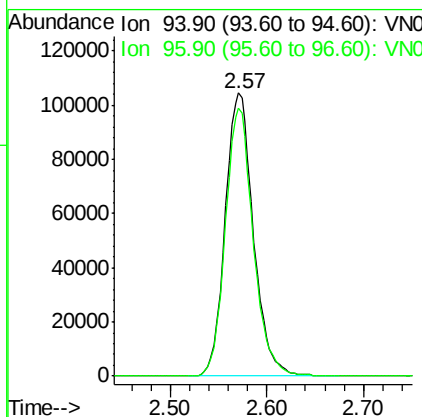
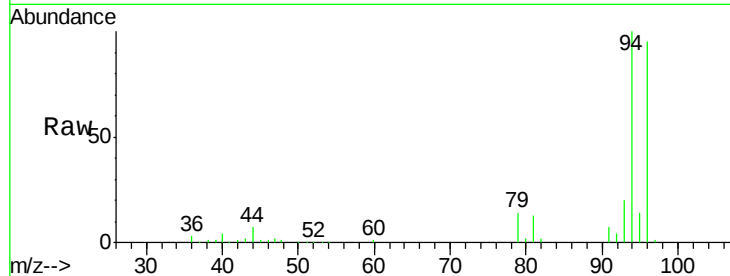
#5
Bromomethane
Concen: 39.413 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

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Tot Ion	94	Resp	211110
Ion Ratio	100	Lower	Upper
96	94.8	74.9	112.3

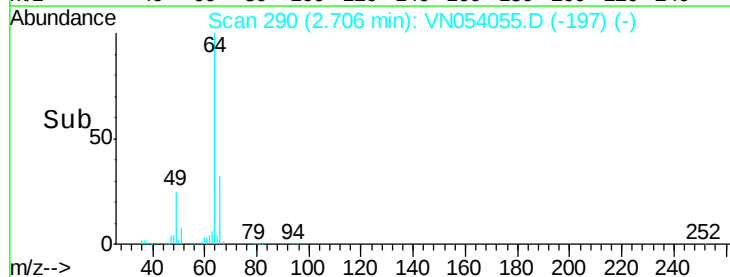
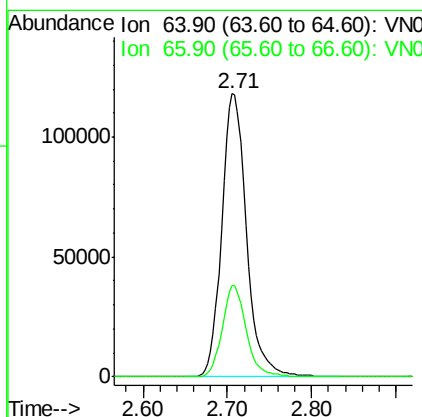
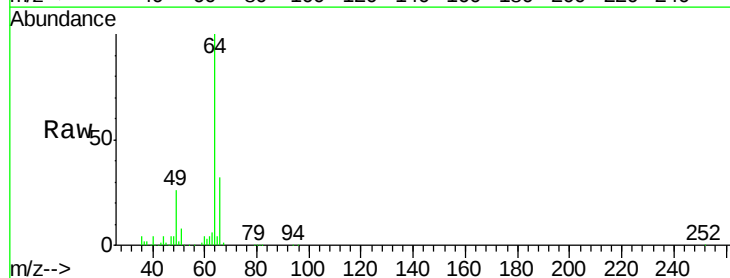
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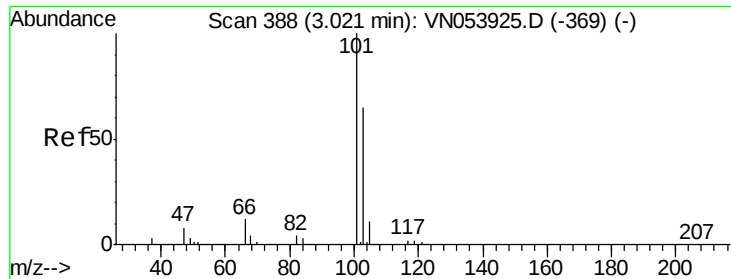
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#6
Chloroethane
Concen: 47.849 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	64	Resp	240679
Ion Ratio	100	Lower	Upper
66	32.4	25.5	38.3





#7

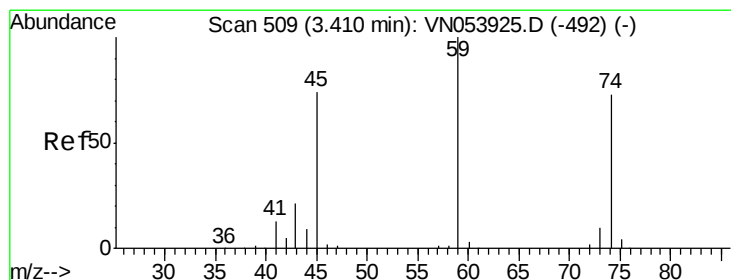
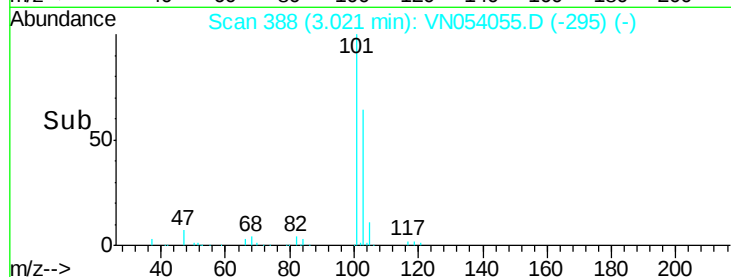
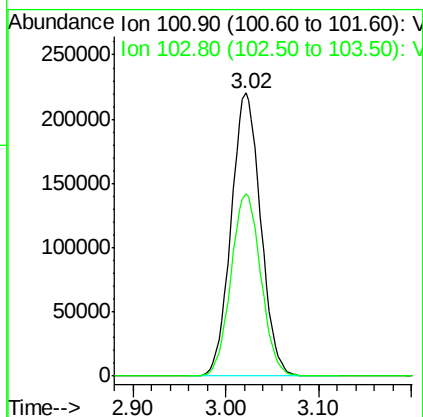
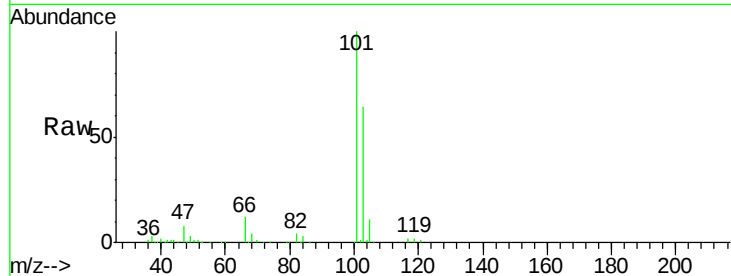
Trichlorofluoromethane
 Concen: 47.108 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.9	77.9

Manual Integrations
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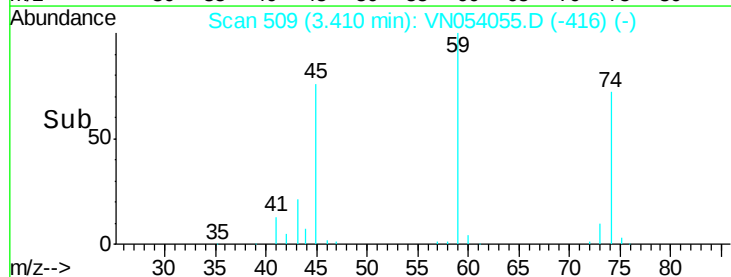
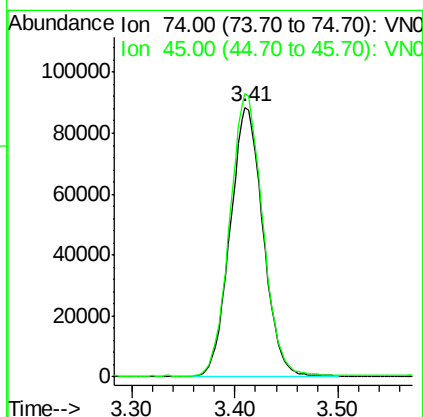
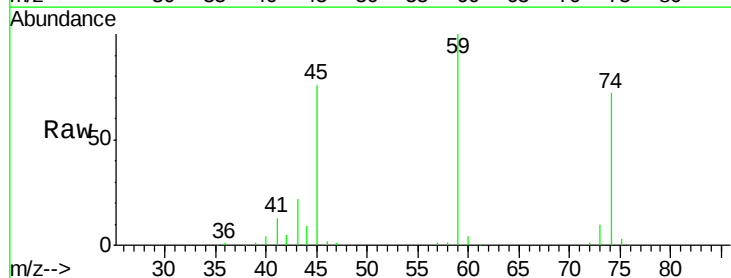
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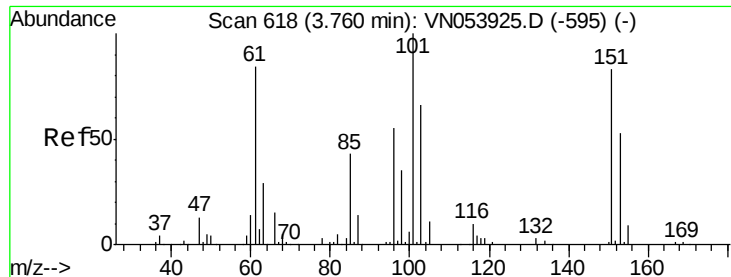


#8

Diethyl Ether
 Concen: 50.875 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.972 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

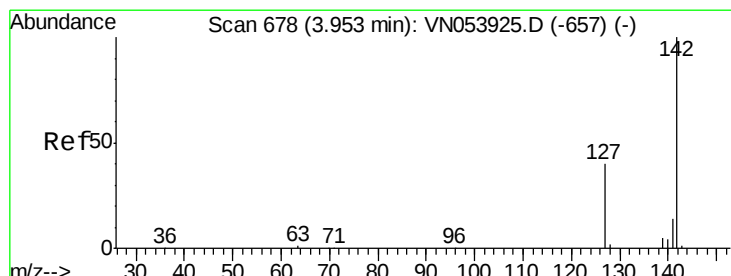
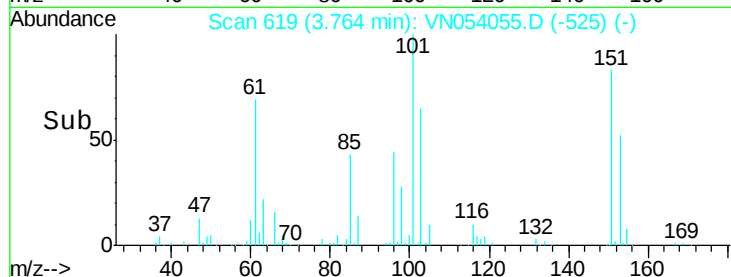
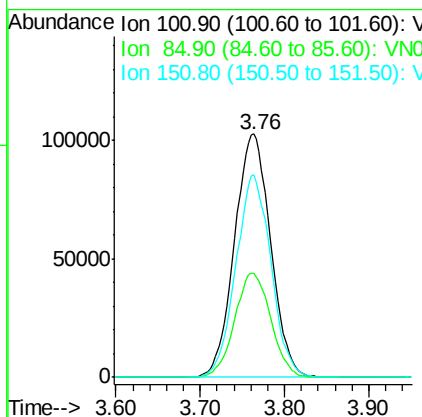
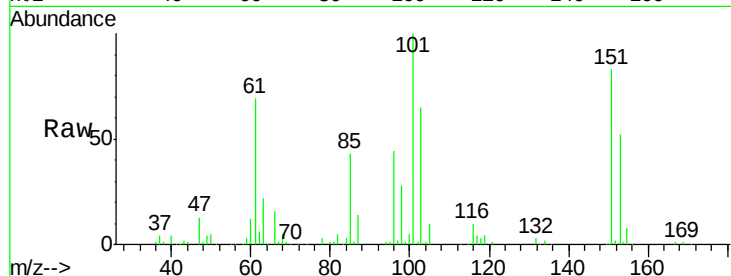
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	306524
Ion Ratio	Lower	Upper	
101	100		
85	42.8	32.5	48.7
151	81.0	70.2	105.2

Manual Integrations
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3/4/2019 1:54:25 PM



#10

Methyl Iodide

Concen: 44.613 ug/l

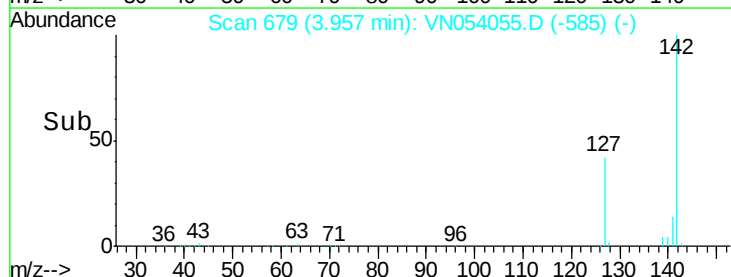
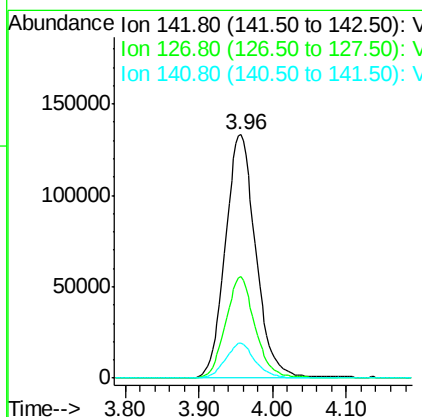
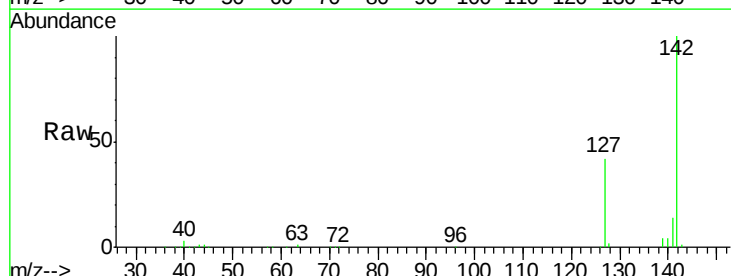
RT: 3.96 min Scan# 679

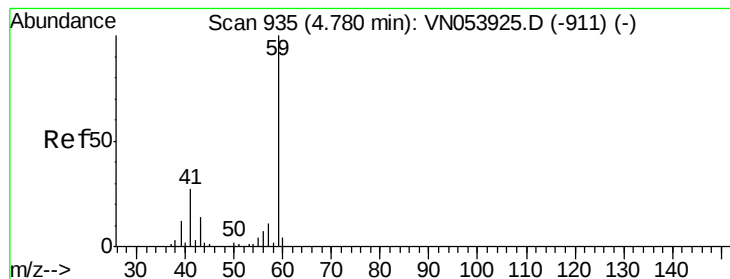
Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion:	142	Resp:	382546
Ion Ratio	Lower	Upper	
142	100		
127	40.4	31.0	46.4
141	13.8	11.3	16.9





#11

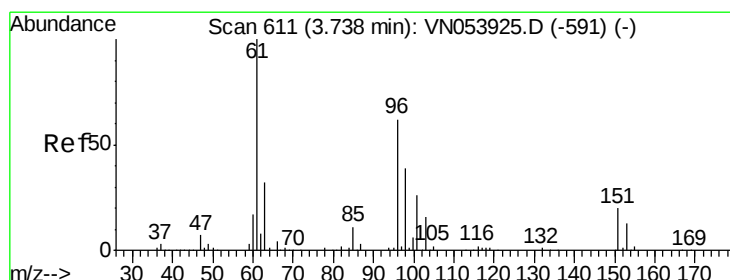
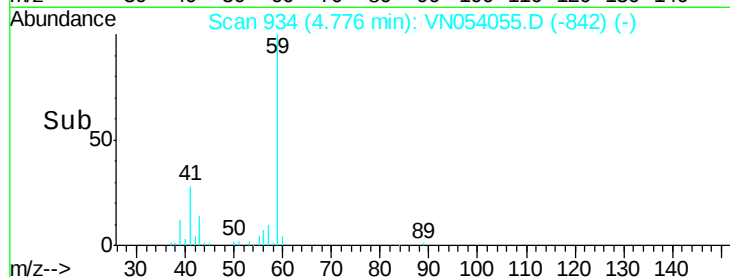
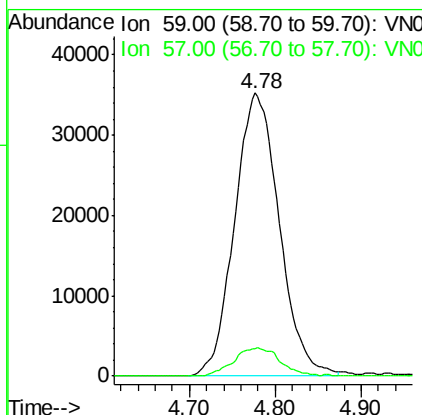
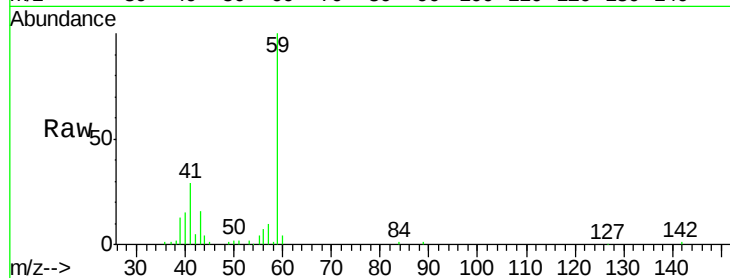
Tert butyl alcohol
Concen: 270.976 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Manual Integrations
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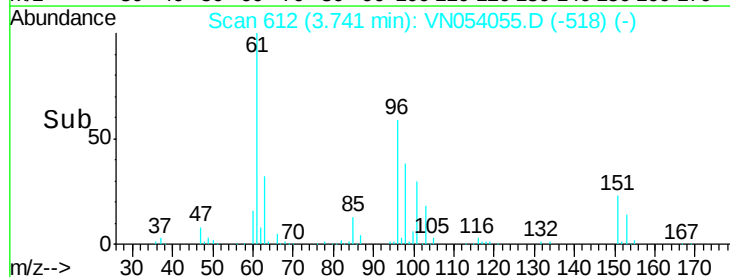
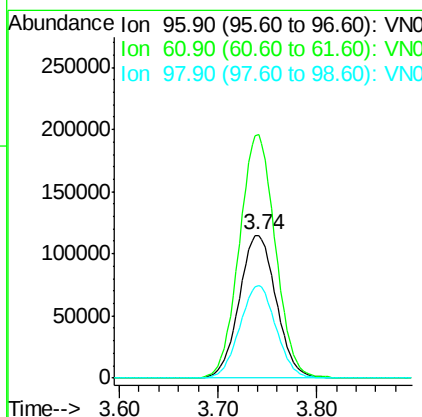
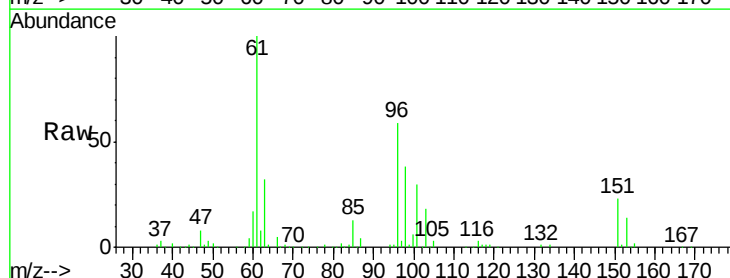
MMDadoda
3/4/2019 1:54:25 PM

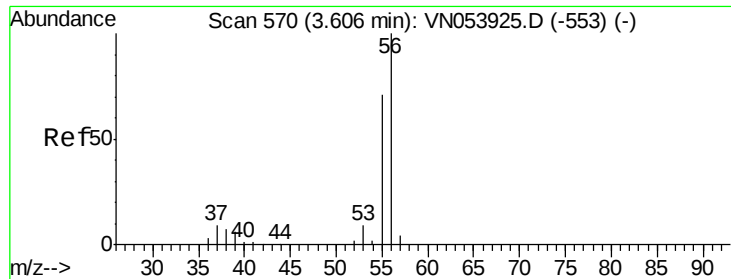


#12

1,1-Dichloroethene
Concen: 47.593 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	121.0	181.4
98	65.1	52.2	78.2





#13

Acrolein

Concen: 173.650 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 84481

Ion Ratio Lower Upper

56 100

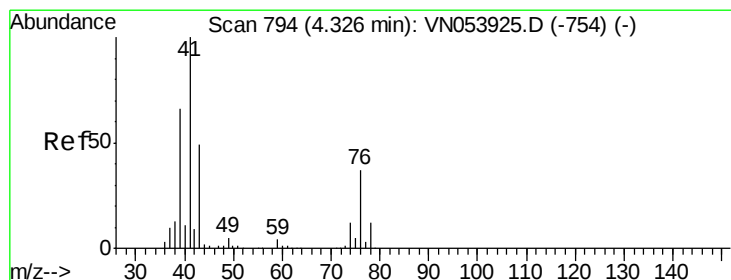
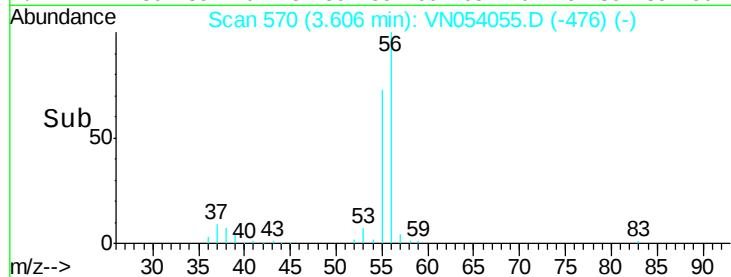
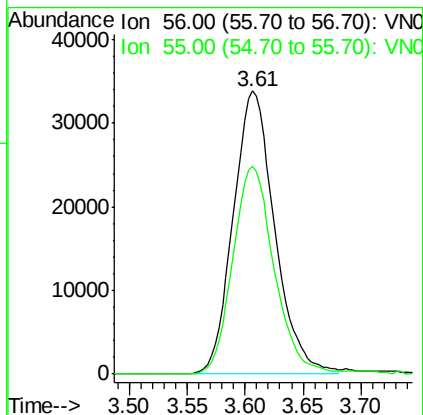
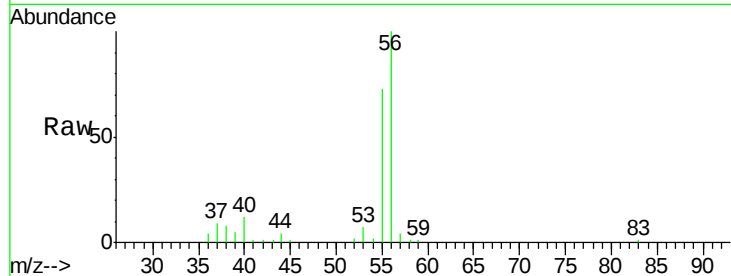
55 72.6 56.3 84.5

Manual Integrations

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3/4/2019 1:54:25 PM



#14

Allyl chloride

Concen: 50.971 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

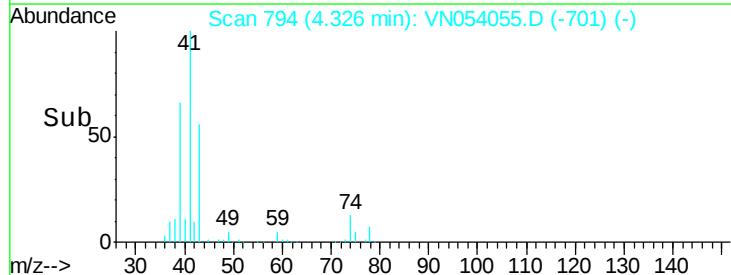
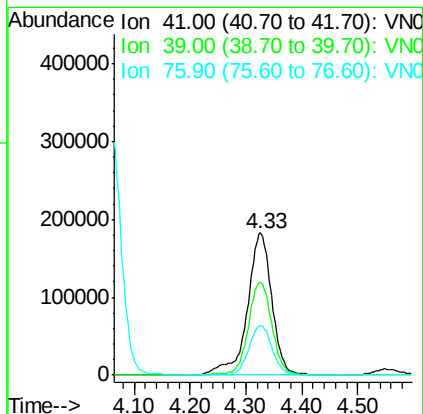
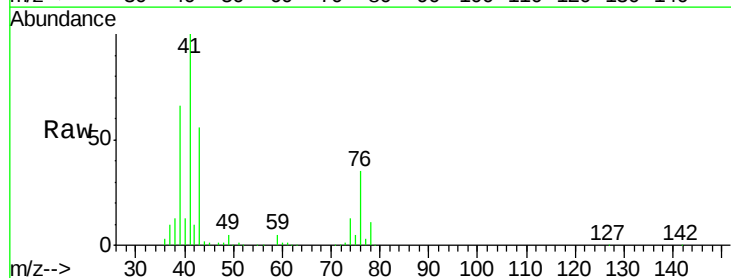
Tgt Ion: 41 Resp: 558032

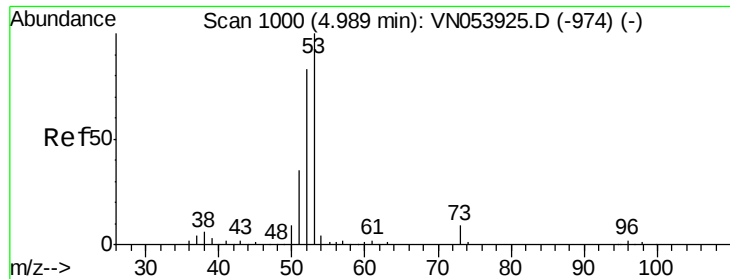
Ion Ratio Lower Upper

41 100

39 62.9 48.8 73.2

76 32.6 30.9 46.3





#15

Acrylonitrile

Concen: 271.776 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

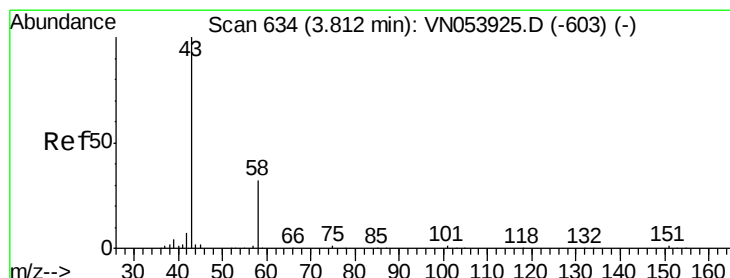
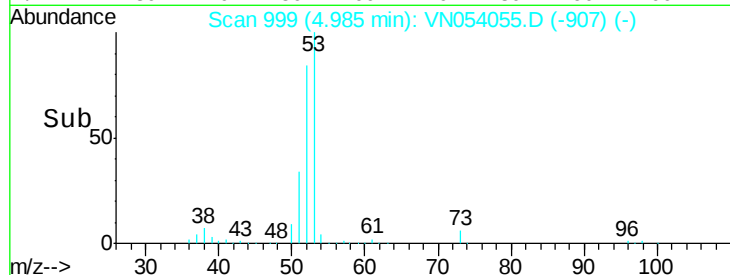
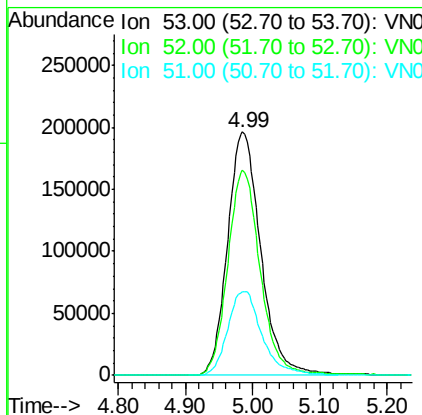
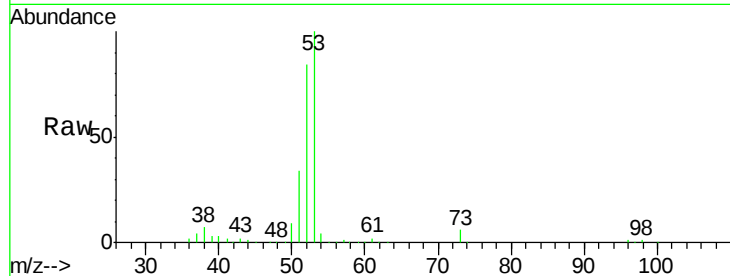
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	673074
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 237.636 ug/l

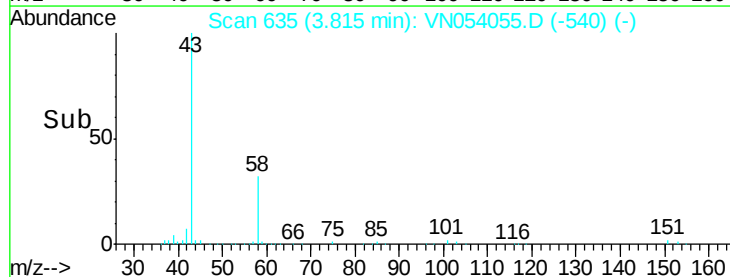
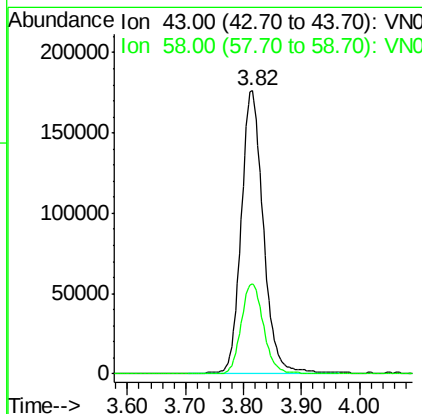
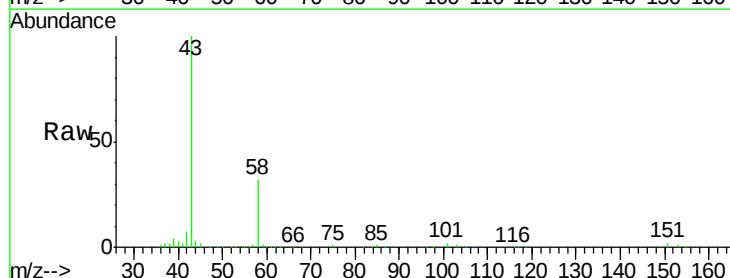
RT: 3.82 min Scan# 635

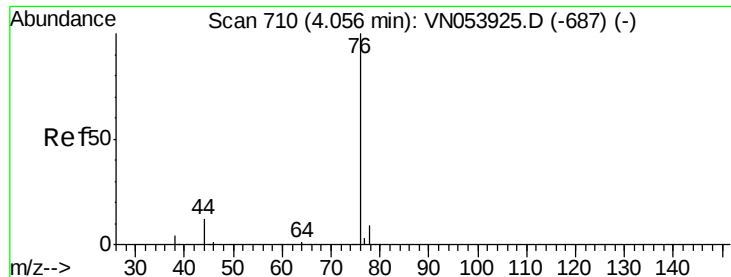
Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion:	43	Resp:	467449
Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.6	41.4





#17

Carbon Disulfide

Concen: 44.682 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 899755

Ion Ratio Lower Upper

76 100

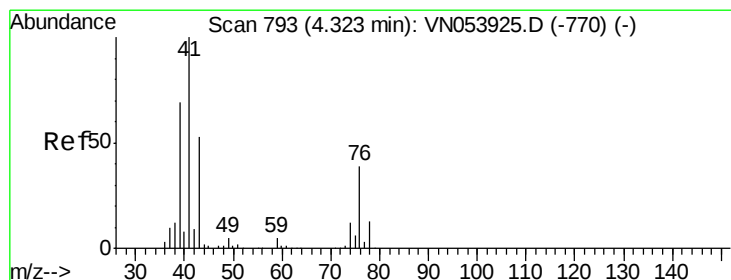
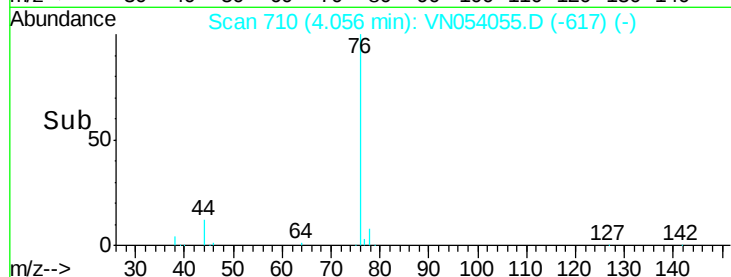
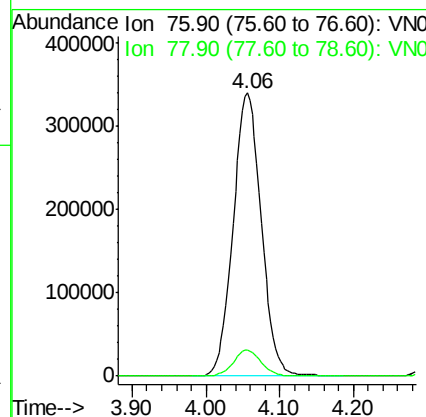
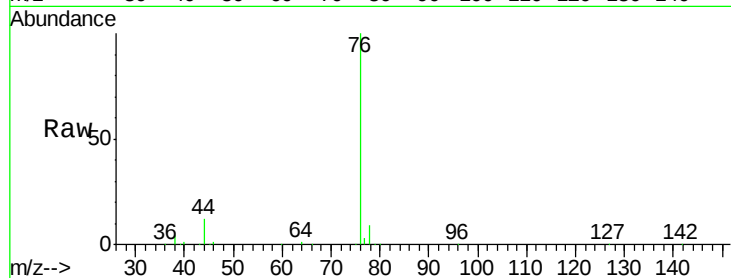
78 9.1 7.5 11.3

Manual Integrations

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3/4/2019 1:54:25 PM



#18

Methyl Acetate

Concen: 58.703 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054055.D

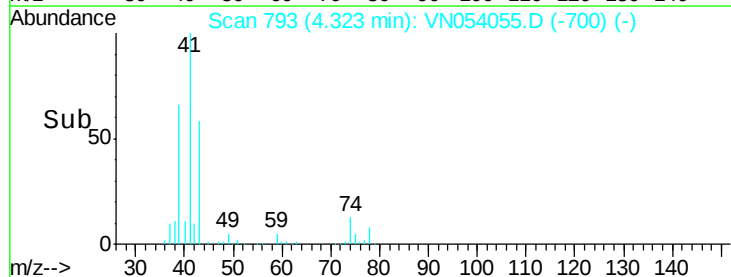
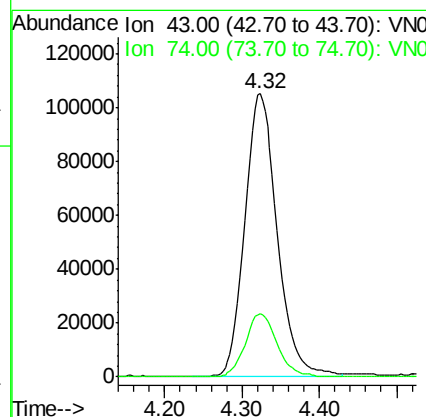
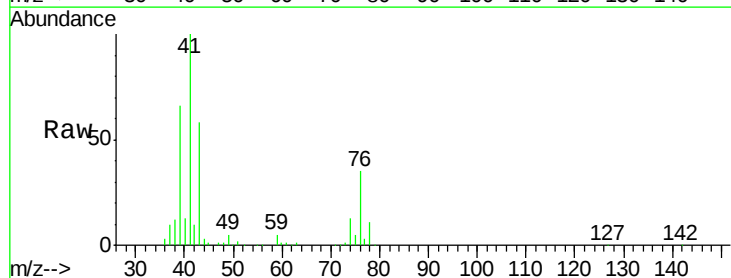
Acq: 2 Mar 2019 2:50

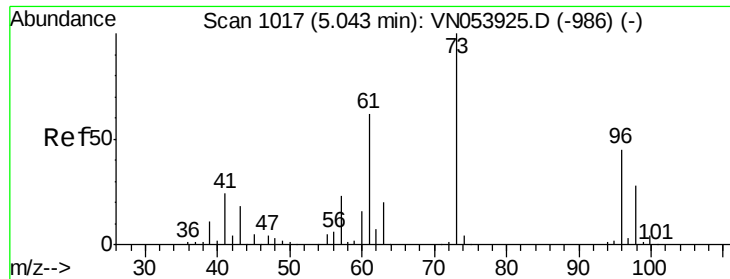
Tgt Ion: 43 Resp: 304257

Ion Ratio Lower Upper

43 100

74 22.2 20.5 30.7





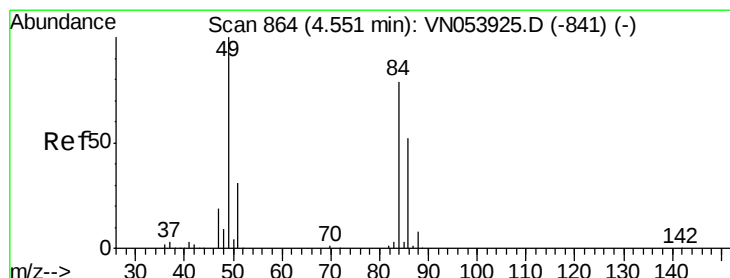
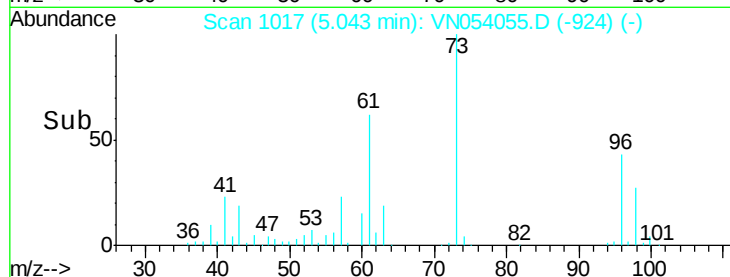
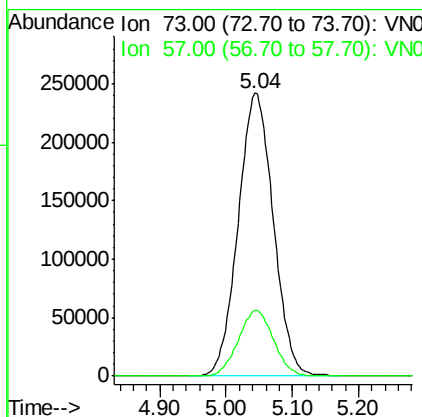
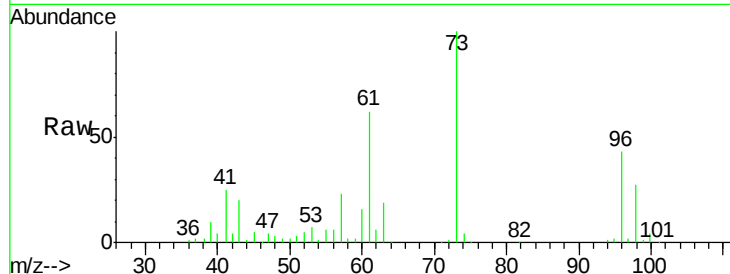
#19
Methvl tert-butvl Ether
Concen: 53.201 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 890848
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0

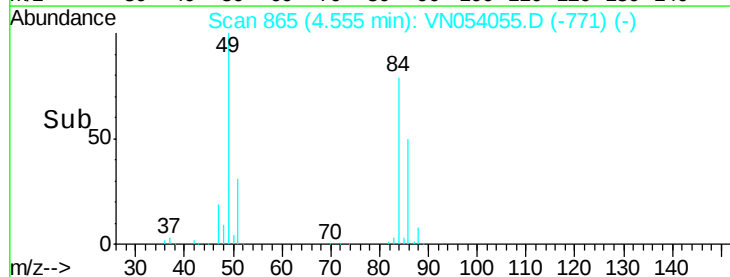
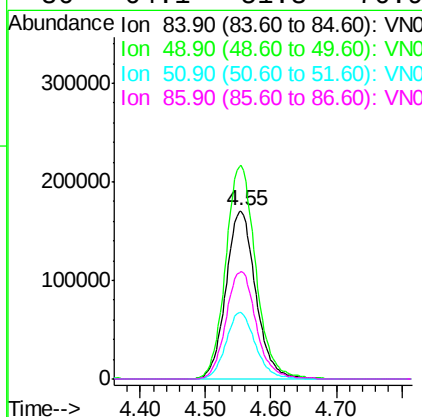
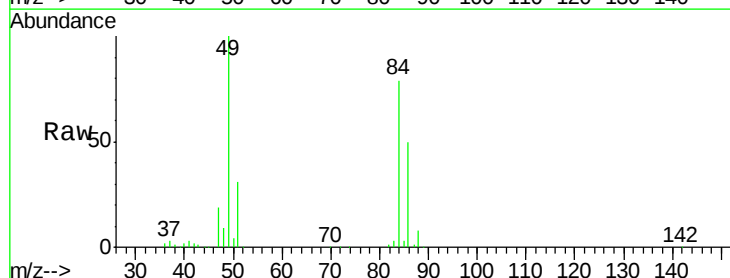
Manual Integrations
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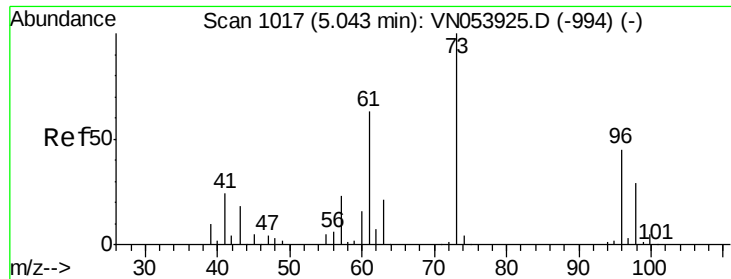
MMDadoda
3/4/2019 1:54:25 PM



#20
Methylene Chloride
Concen: 73.690 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 84 Resp: 540599
Ion Ratio Lower Upper
84 100
49 127.1 89.7 134.5
51 39.7 27.8 41.8
86 64.1 51.3 76.9





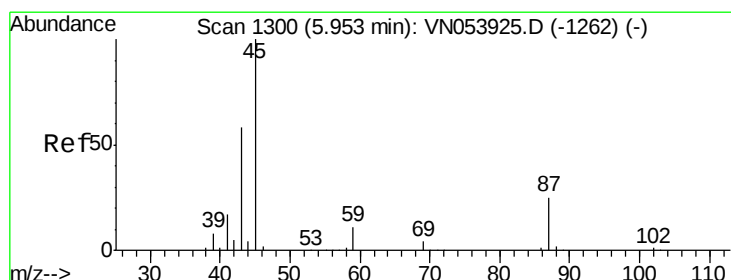
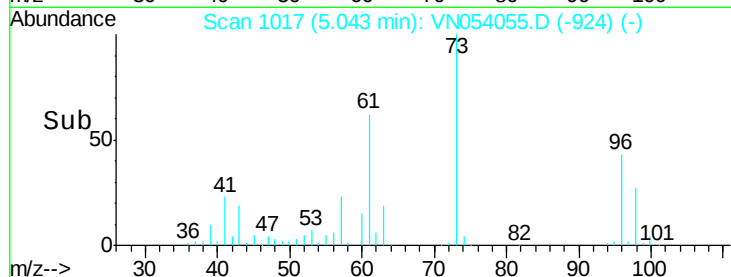
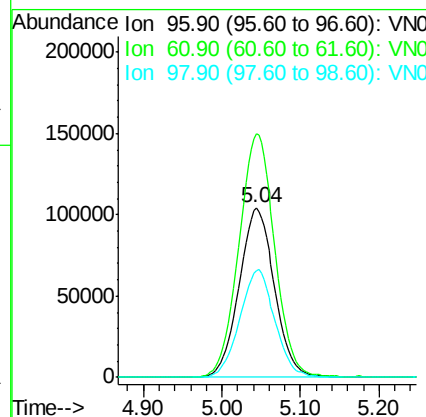
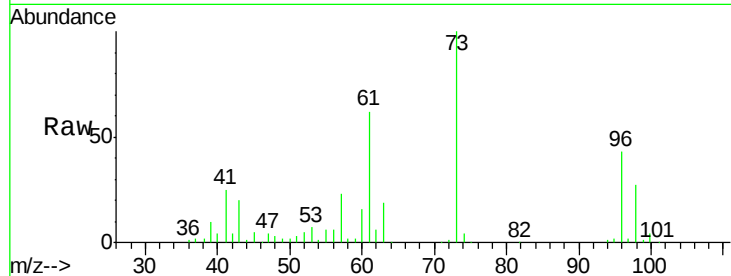
#21
trans-1,2-Dichloroethene
Concen: 48.691 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	104.5	156.7
98	63.2	50.6	76.0

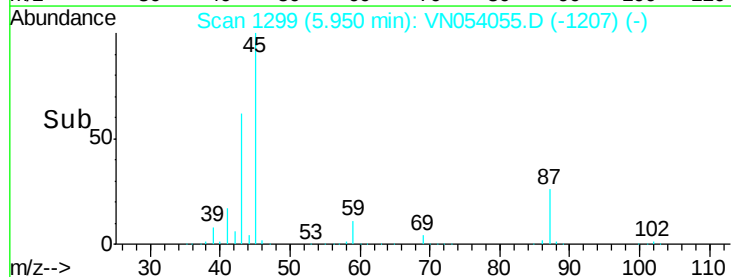
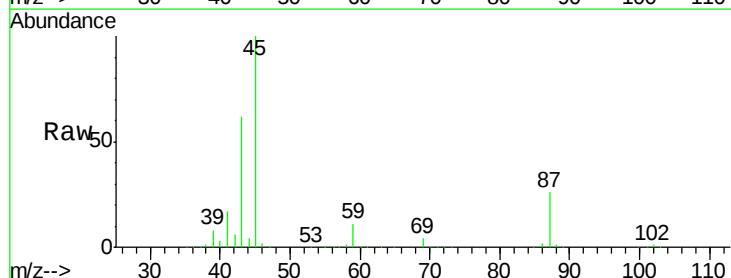
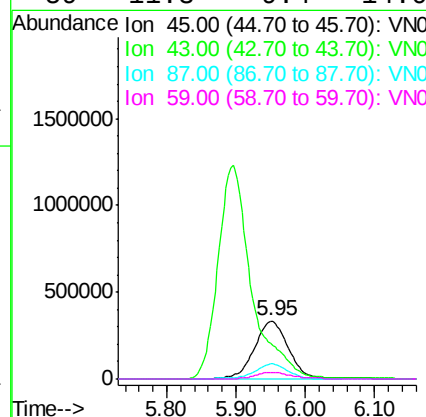
Manual Integrations
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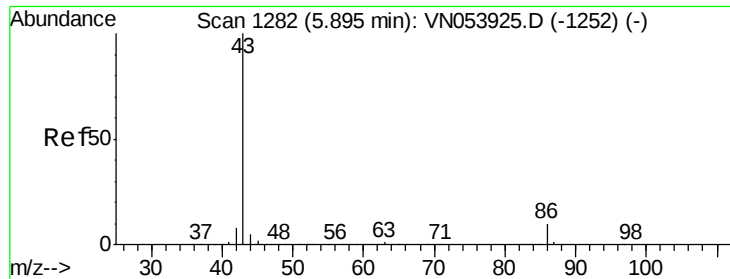
MMDadoda
3/4/2019 1:54:25 PM



#22
Diisopropyl ether
Concen: 54.012 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.2	69.4
87	25.4	23.4	35.0
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 273.255 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4151846

Ion Ratio Lower Upper

43 100

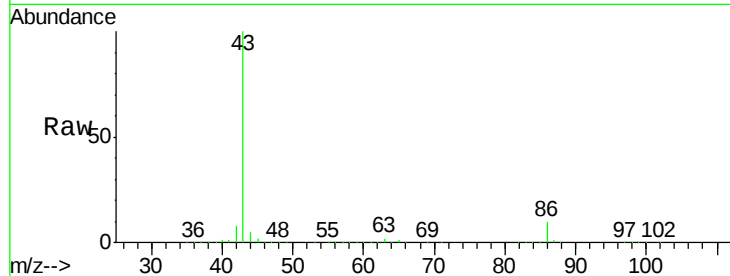
86 9.6 9.1 13.7

Manual Integrations

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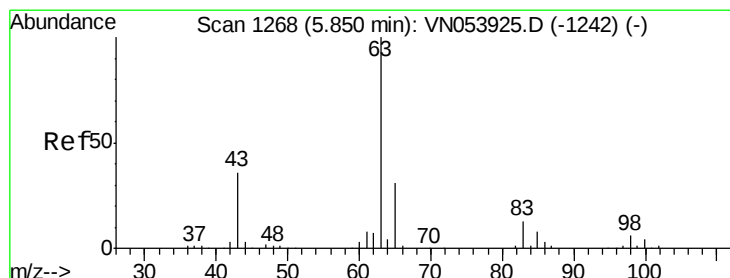
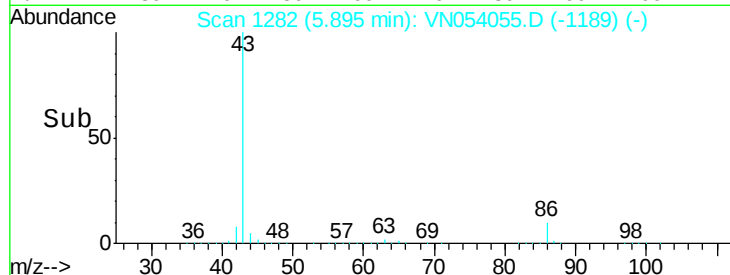
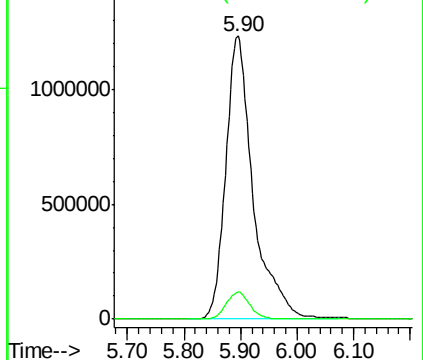
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.413 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

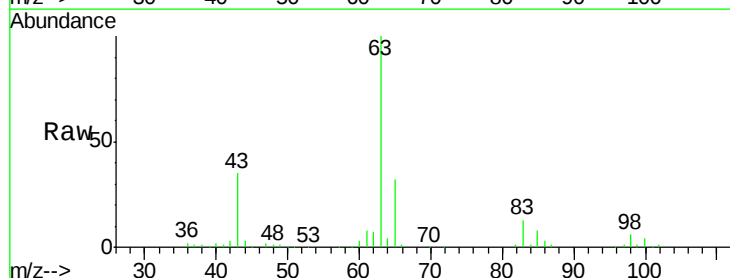
Tgt Ion: 63 Resp: 652967

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

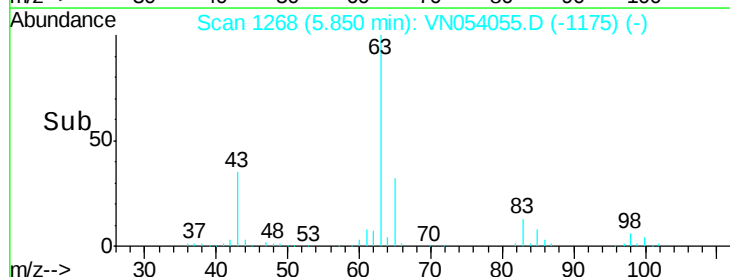
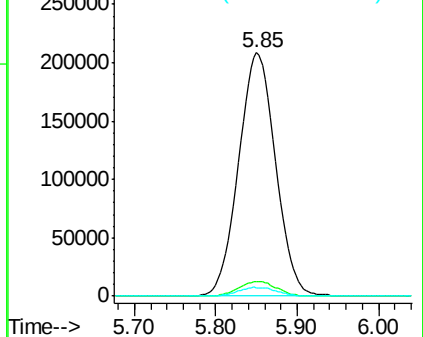
100 3.6 2.2 6.6

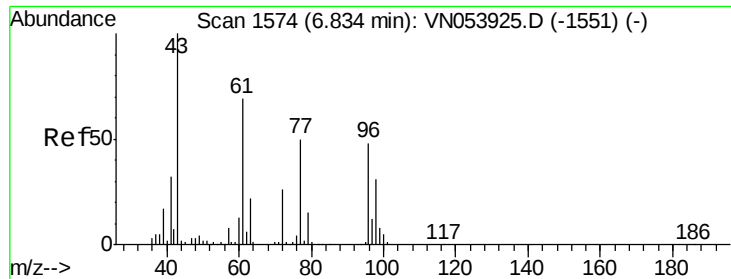


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





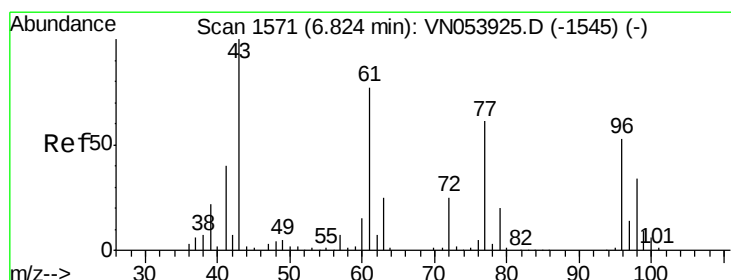
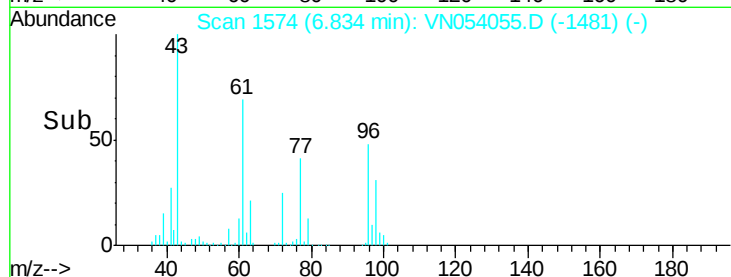
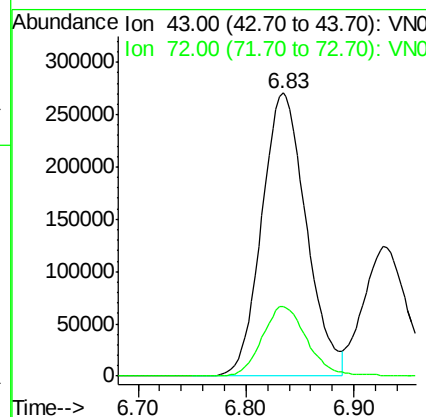
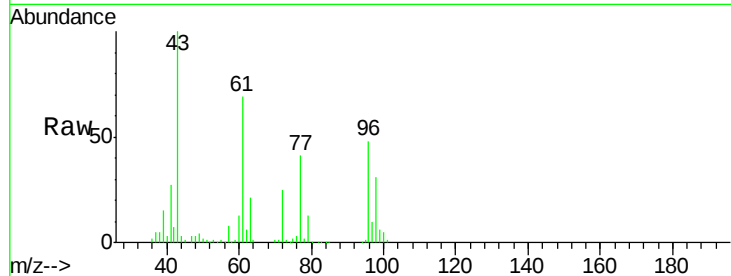
#25
2-Butanone
Concen: 265.021 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 771325
Ion Ratio Lower Upper
43 100
72 24.7 22.1 33.1

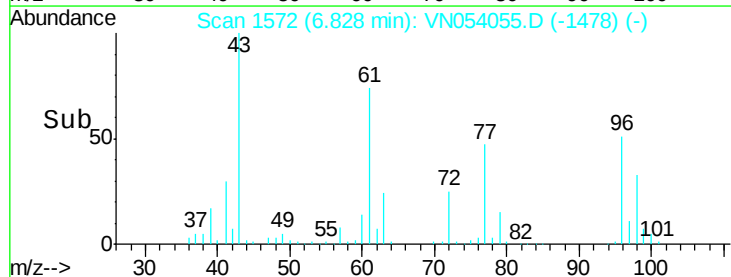
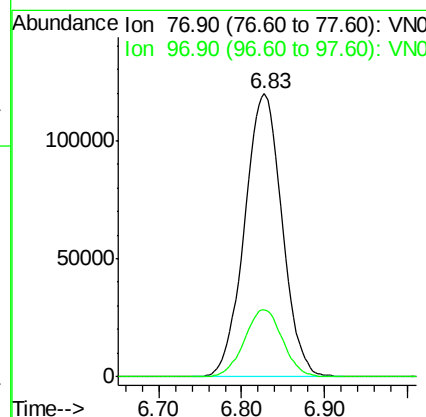
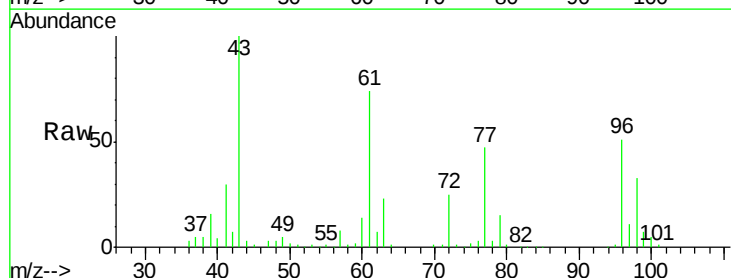
Manual Integrations
APPROVED

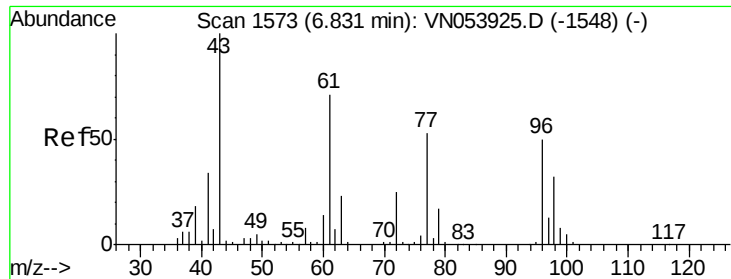
MMDadoda
3/4/2019 1:54:25 PM



#26
2,2-Dichloropropane
Concen: 40.878 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 77 Resp: 376162
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9





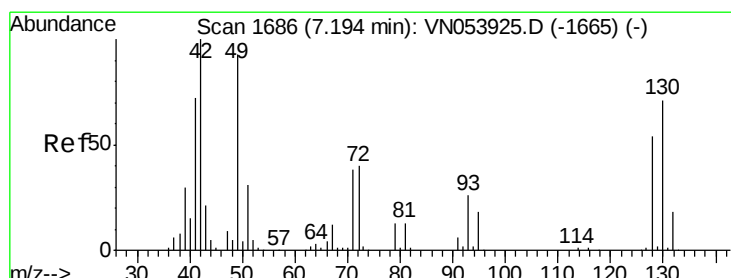
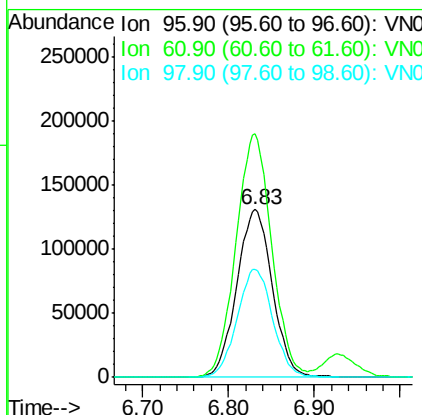
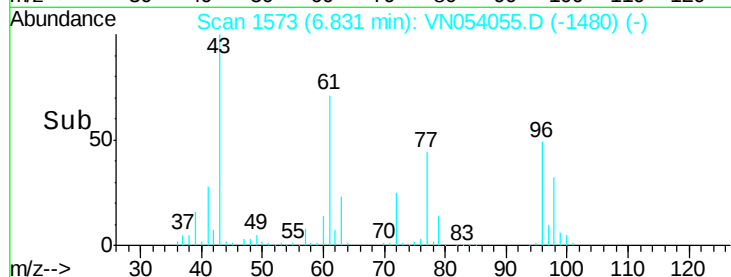
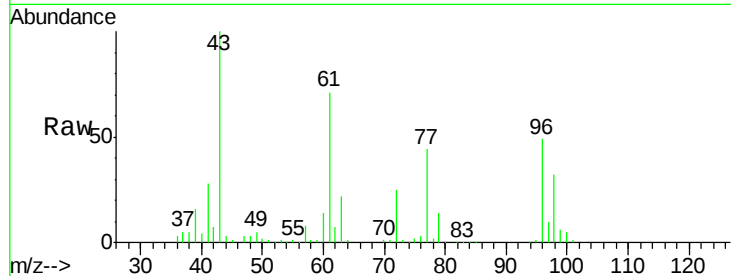
#27
 cis-1,2-Dichloroethene
 Concen: 50.229 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	377393		
61	145.4	0.0	275.6	
98	64.4	0.0	130.0	

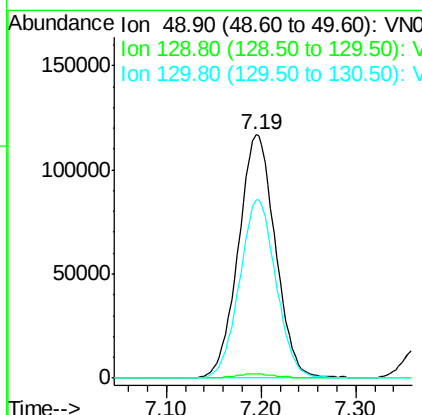
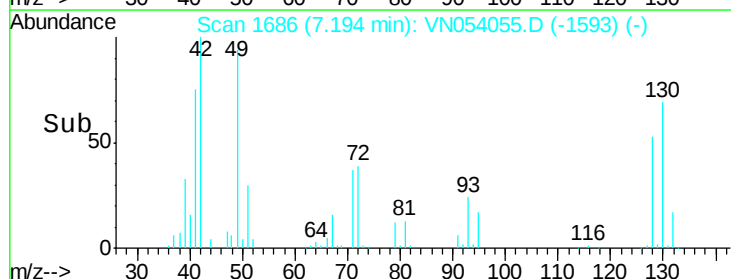
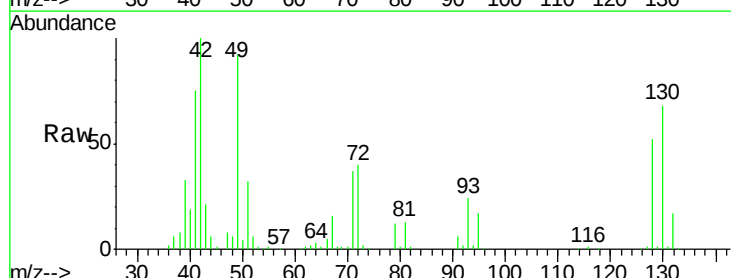
Manual Integrations
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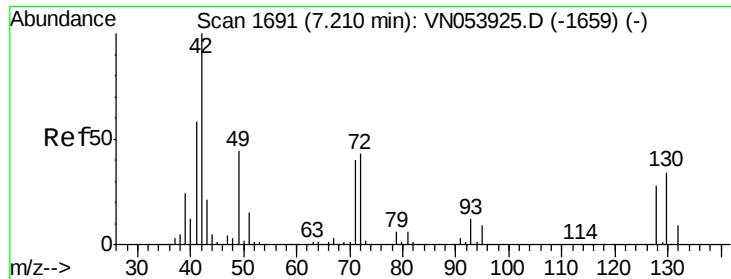
MMDadoda
 3/4/2019 1:54:25 PM



#28
 Bromochloromethane
 Concen: 53.418 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	316693		
129	1.8	0.0	4.6	
130	72.4	72.9	109.3#	





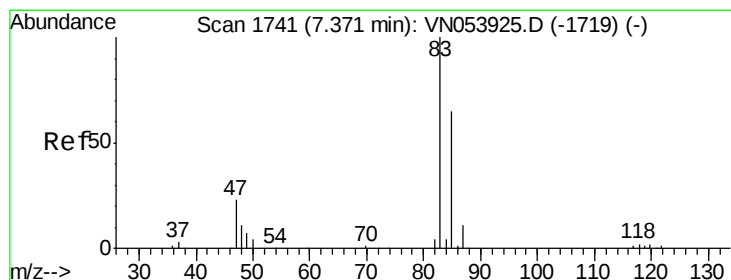
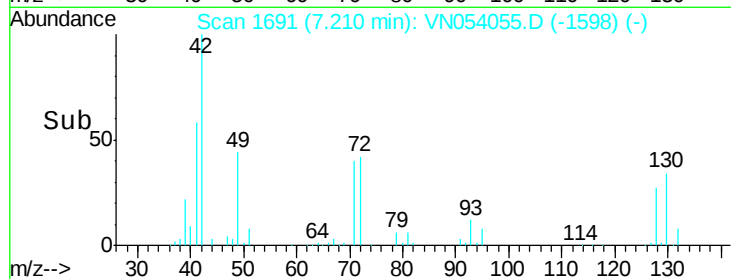
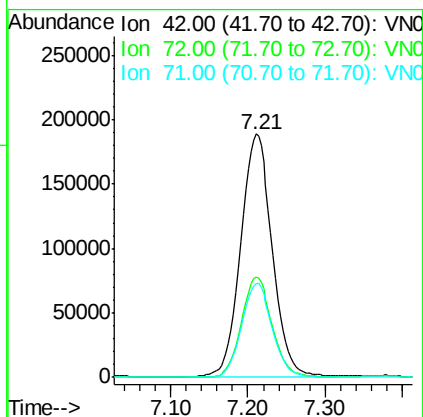
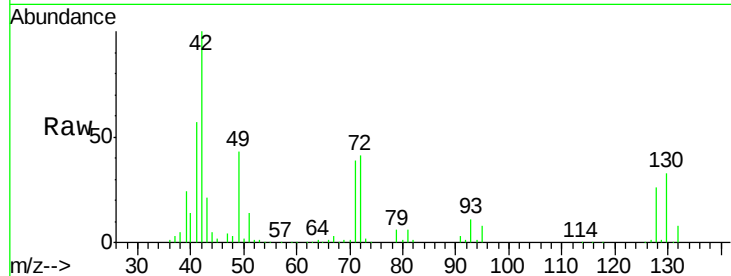
#29
Tetrahydrofuran
Concen: 275.617 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	36.9	55.3
71	37.6	34.6	52.0

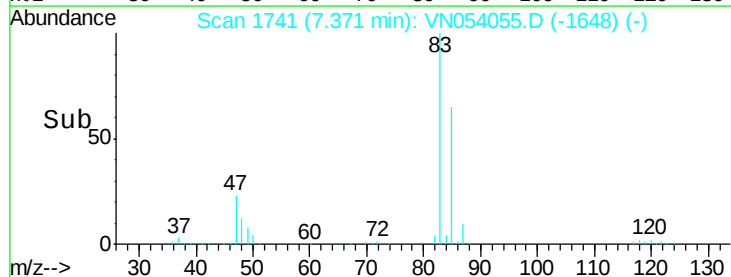
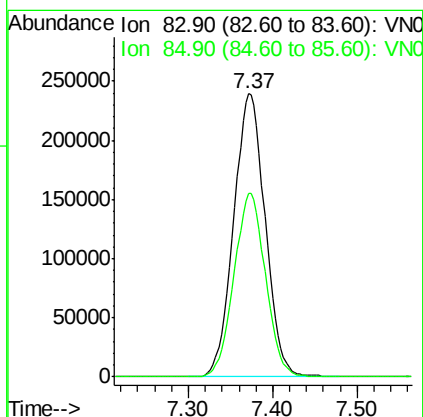
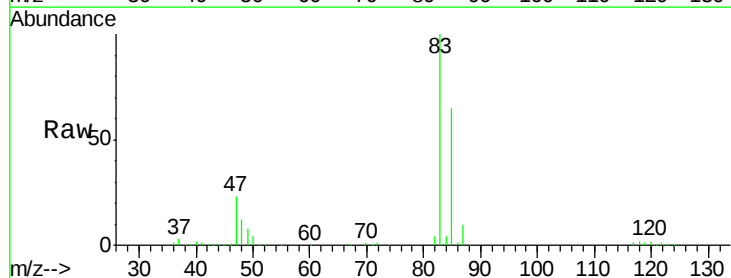
Manual Integrations
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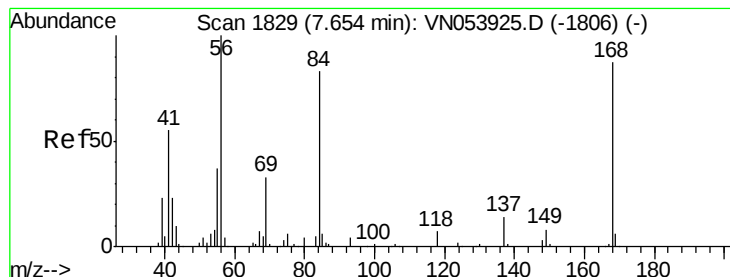
MMDadoda
3/4/2019 1:54:25 PM



#30
Chloroform
Concen: 49.670 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8





#31

Cyclohexane

Concen: 49.668 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

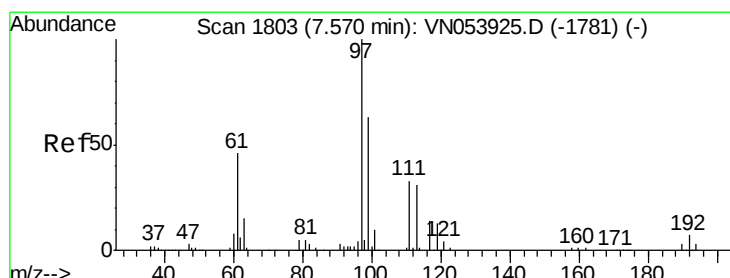
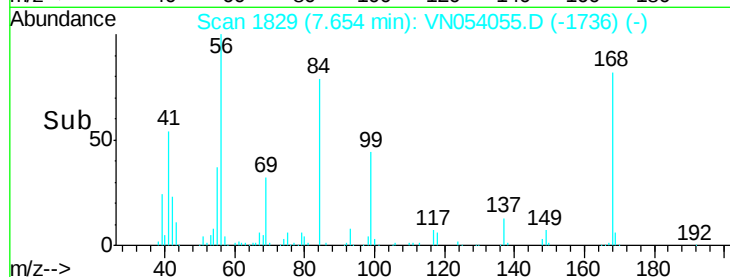
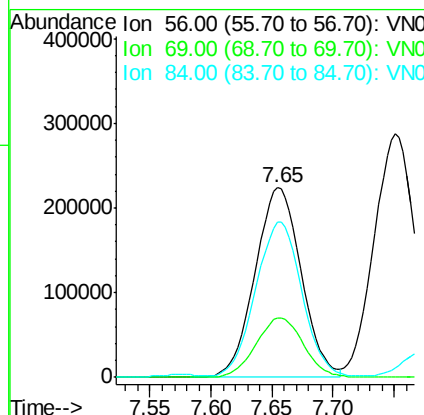
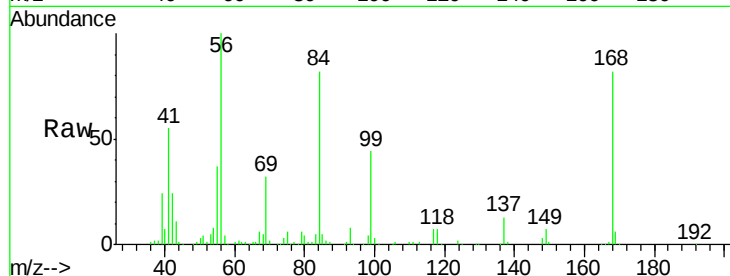
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	588755
Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.0	39.0
84	80.4	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.557 ug/l

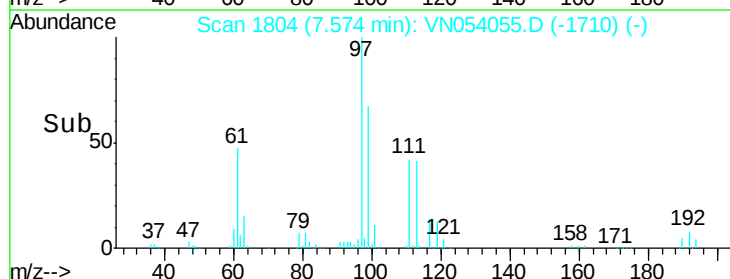
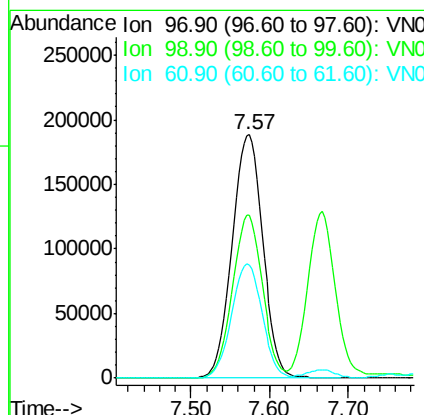
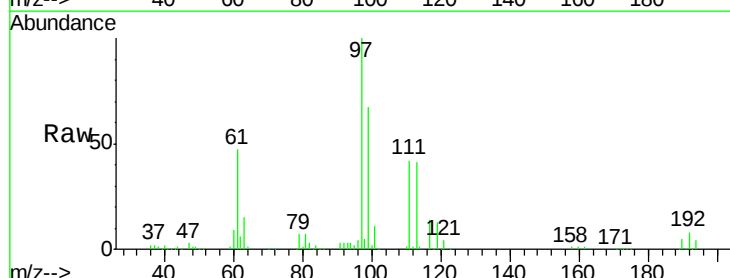
RT: 7.57 min Scan# 1804

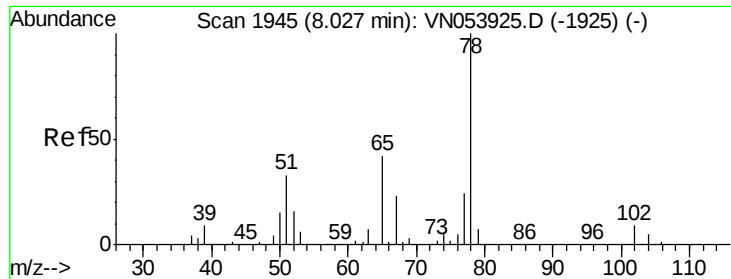
Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion:	97	Resp:	513182
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.8
61	46.5	33.2	49.8





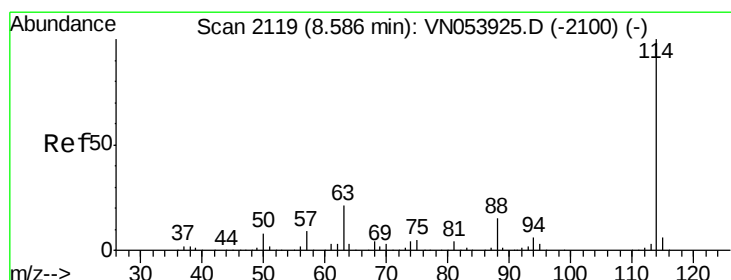
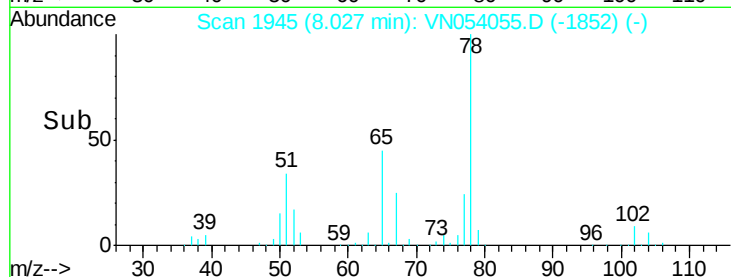
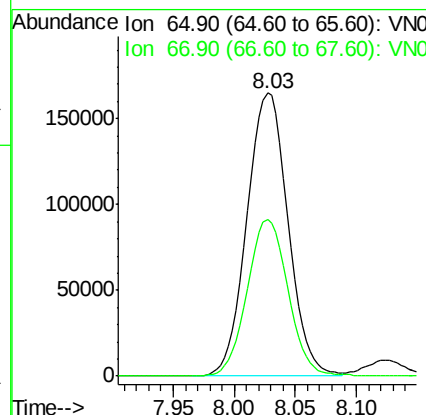
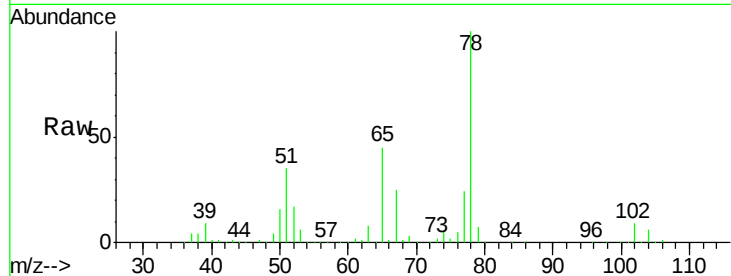
#33
 1,2-Dichloroethane-d4
 Concen: 51.926 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	384891		
67	55.0	0.0	111.8	

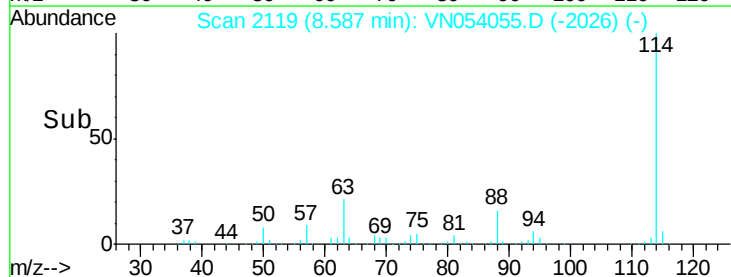
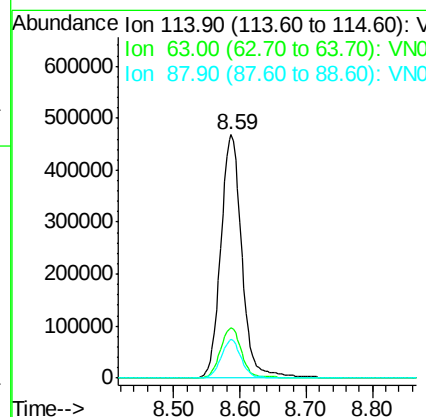
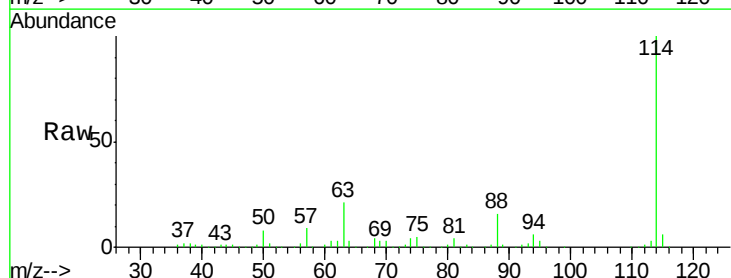
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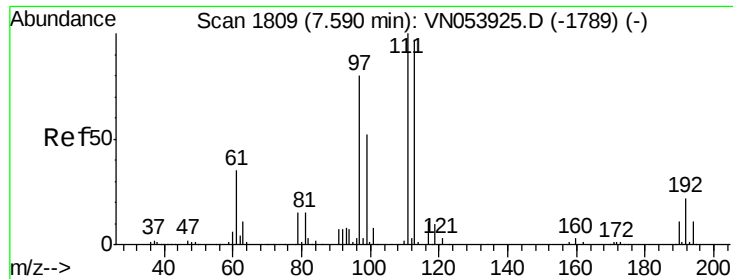
MMDadoda
 3/4/2019 1:54:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1033598		
63	20.9	0.0	37.4	
88	15.8	0.0	30.4	





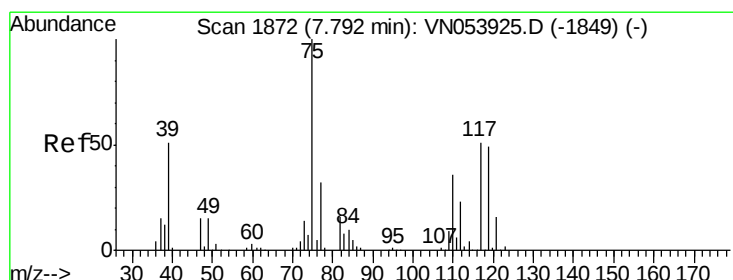
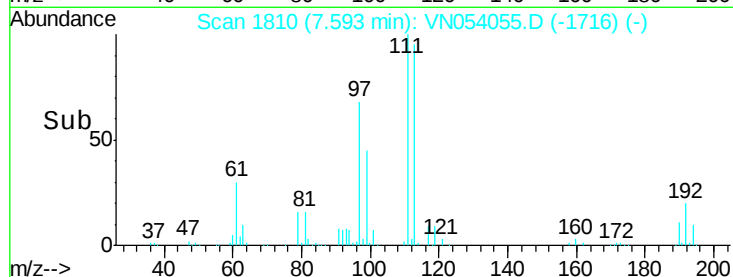
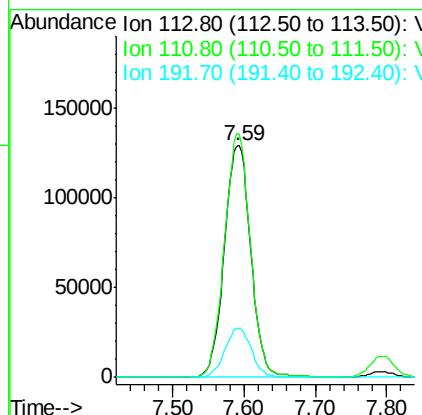
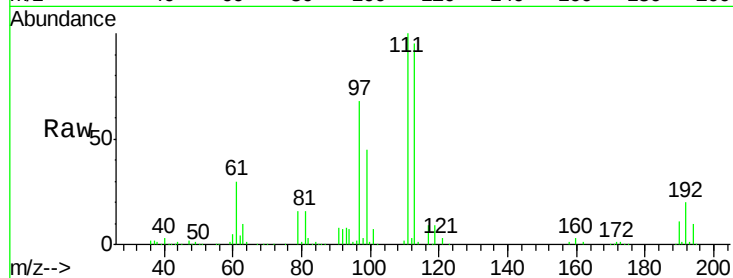
#35
 Dibromofluoromethane
 Concen: 50.101 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.1	121.7	
192	21.2	18.8	28.2	

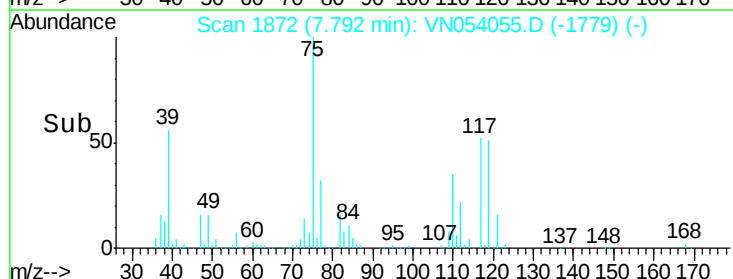
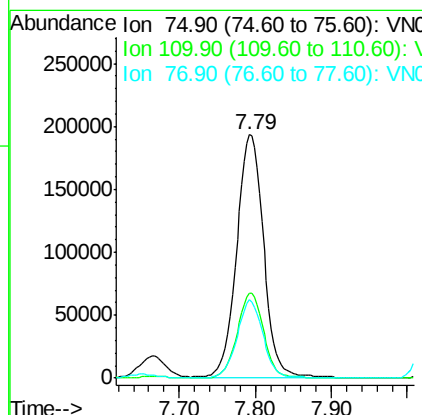
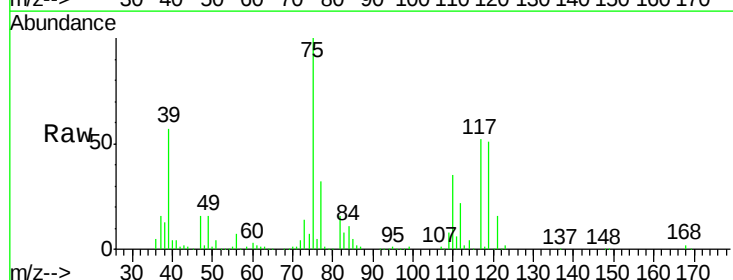
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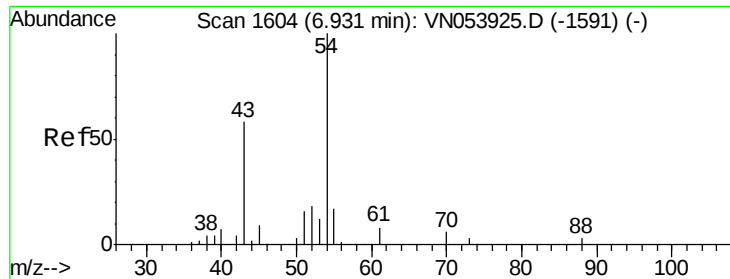
MMDadoda
 3/4/2019 1:54:25 PM



#36
 1,1-Dichloropropene
 Concen: 49.230 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	19.0	57.0	
77	31.5	25.4	38.0	





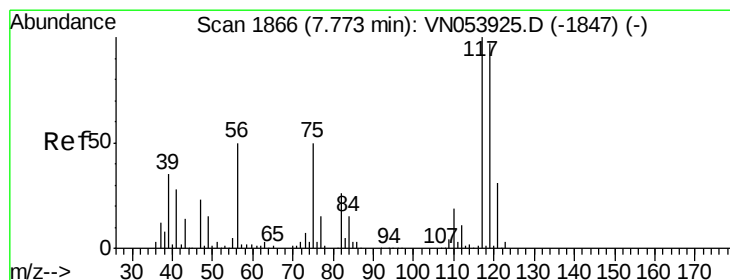
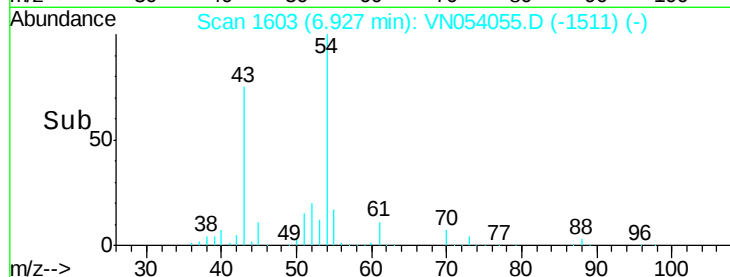
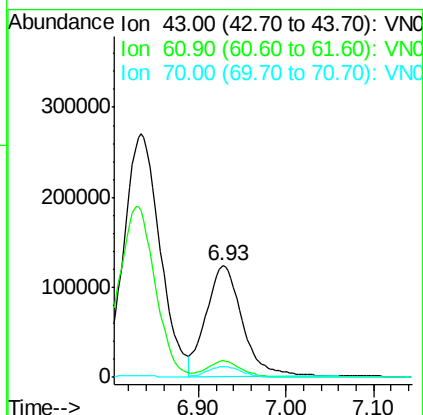
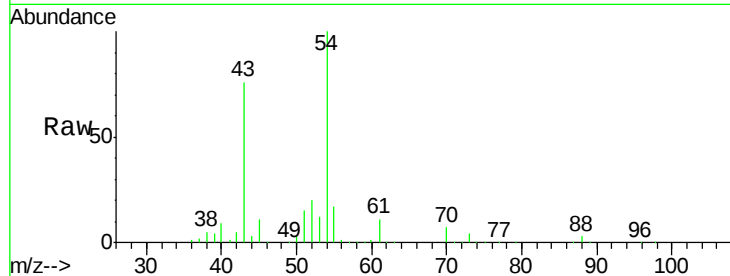
#37
Ethyl Acetate
Concen: 51.422 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.0	18.0
70	9.2	8.7	13.1

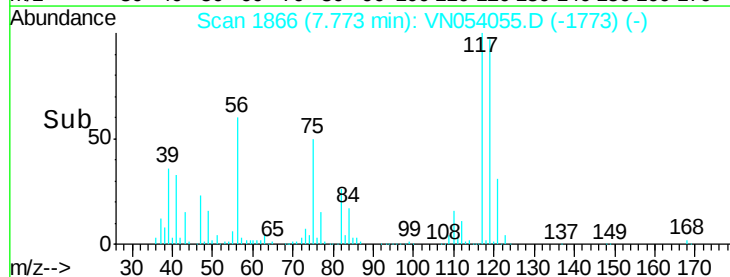
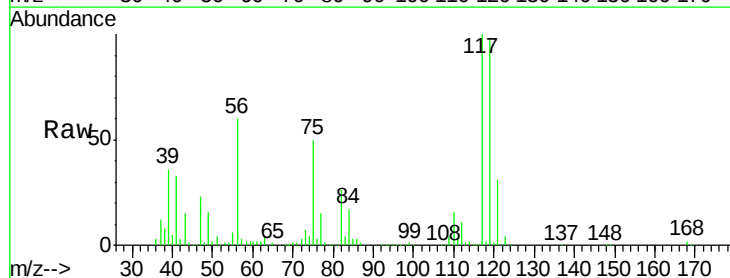
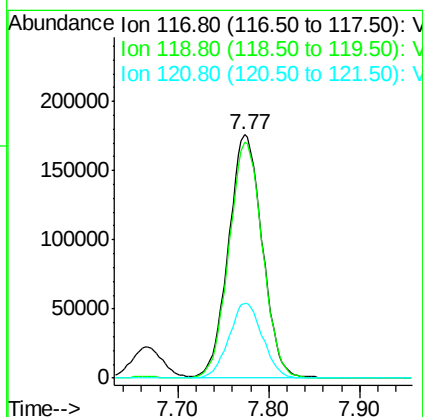
Manual Integrations
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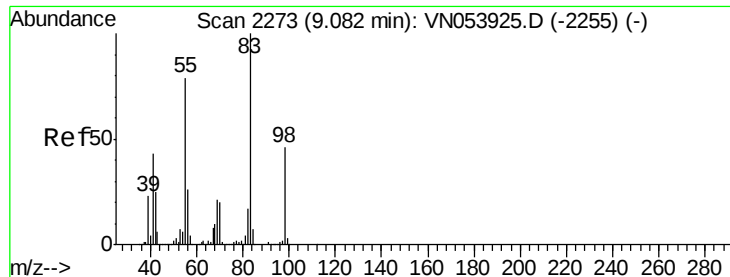
MMDadoda
3/4/2019 1:54:25 PM



#38
Carbon Tetrachloride
Concen: 45.274 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.2
121	30.9	24.6	36.8





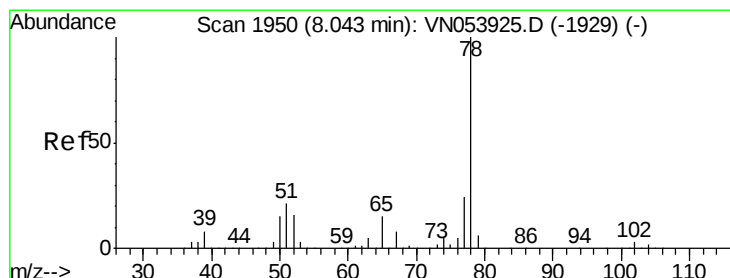
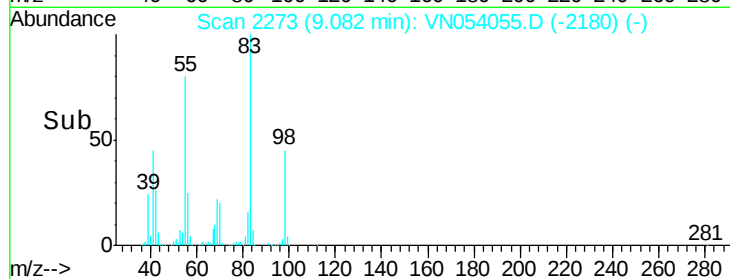
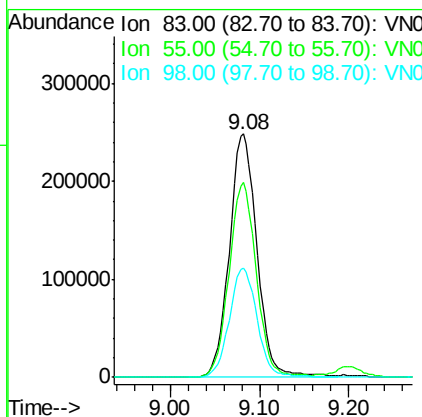
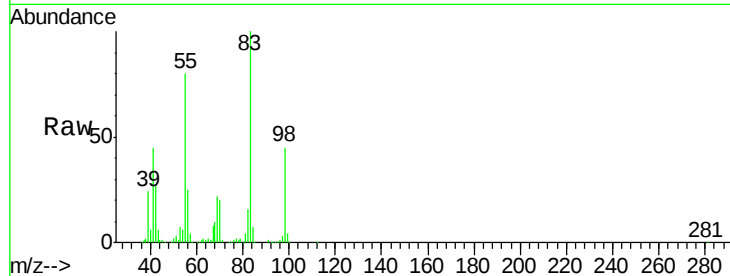
#39
Methvlcvclohexane
Concen: 46.171 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	58.2	87.4
98	45.0	37.2	55.8

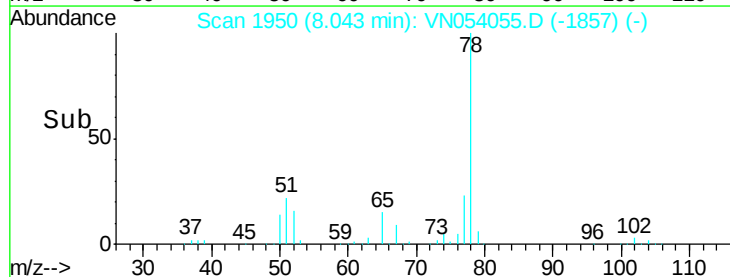
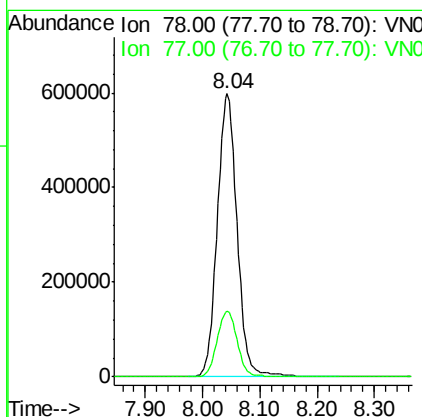
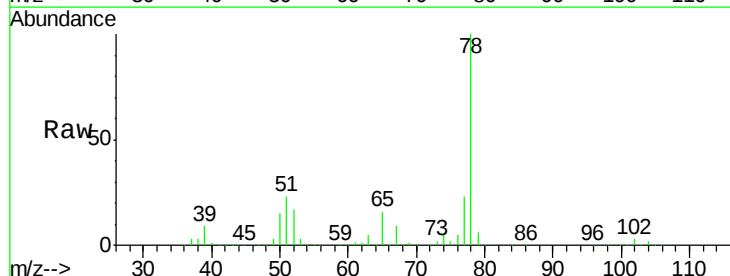
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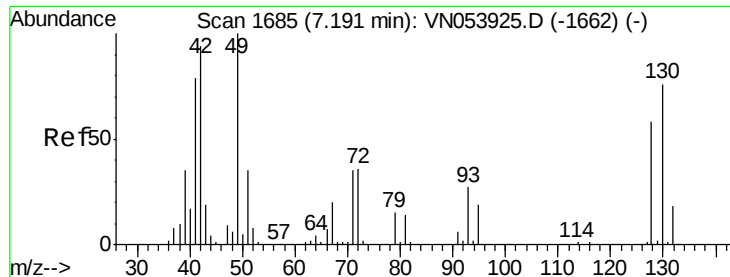
MMDadoda
3/4/2019 1:54:25 PM



#40
Benzene
Concen: 48.776 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





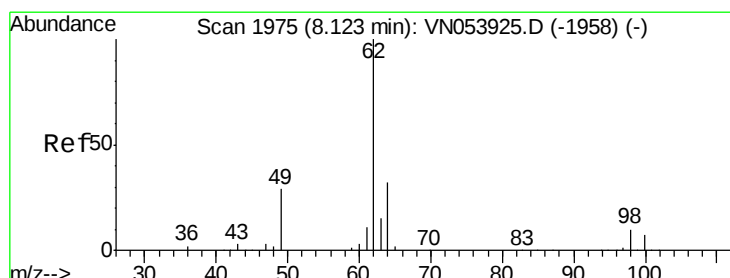
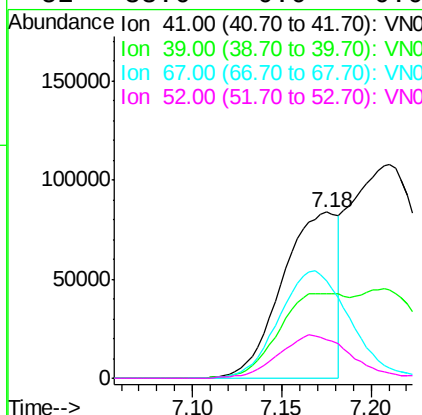
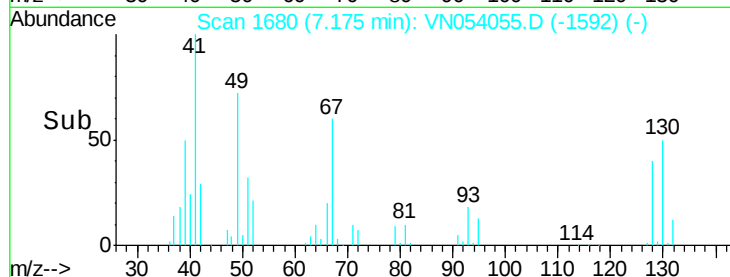
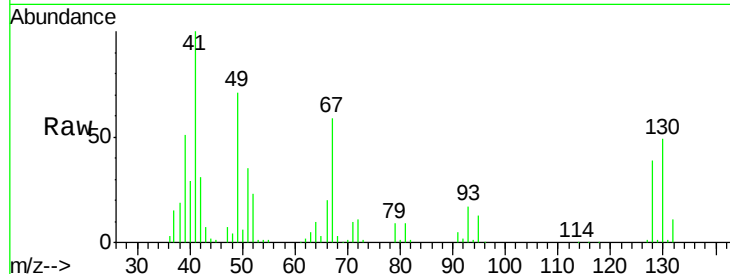
#41
Methacrylonitrile
Concen: 40.940 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.9	0.0	0.0#
67	83.5	0.0	0.0#
52	33.6	0.0	0.0#

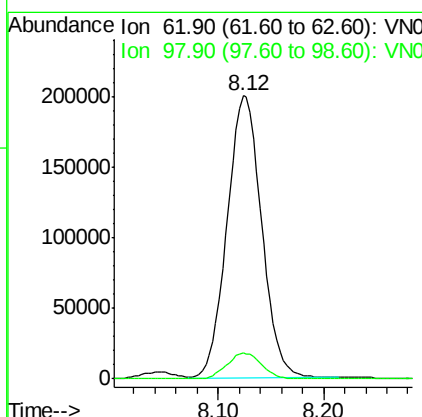
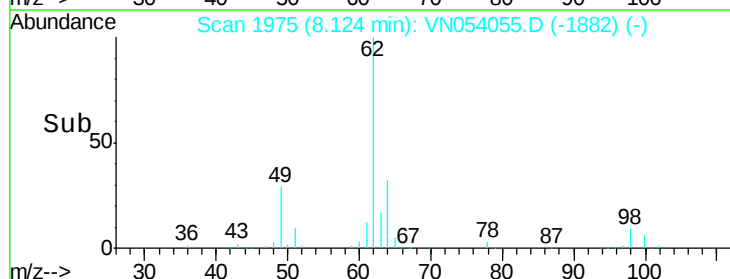
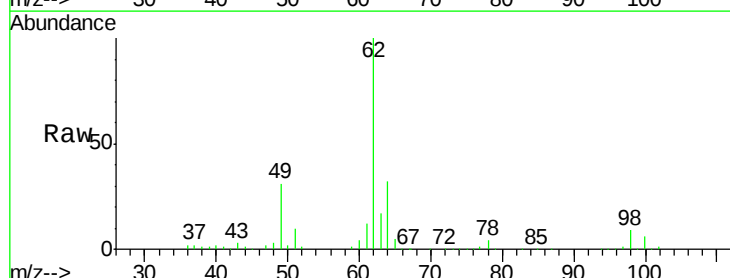
Manual Integrations
APPROVED

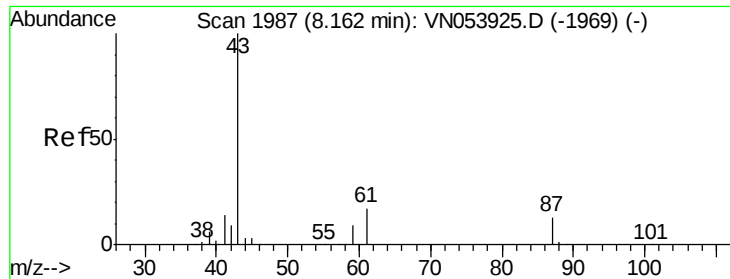
MMDadoda
3/4/2019 1:54:25 PM



#42
1,2-Dichloroethane
Concen: 49.779 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.8





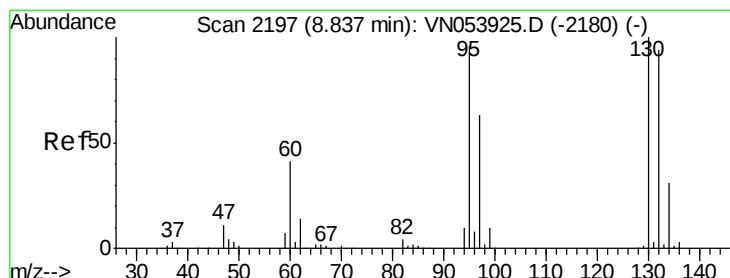
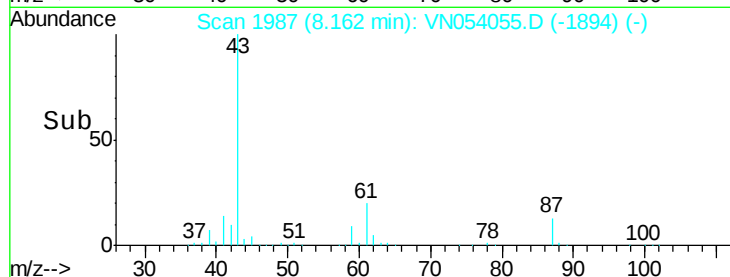
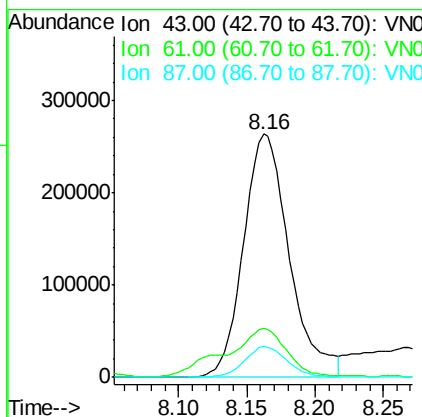
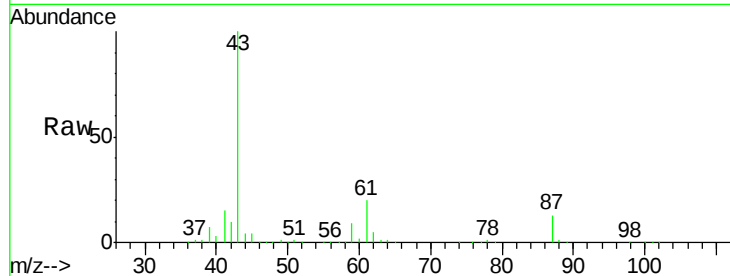
#43
Isopropyl Acetate
Concen: 52.816 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	17.4	26.0#
87	11.8	11.5	17.3

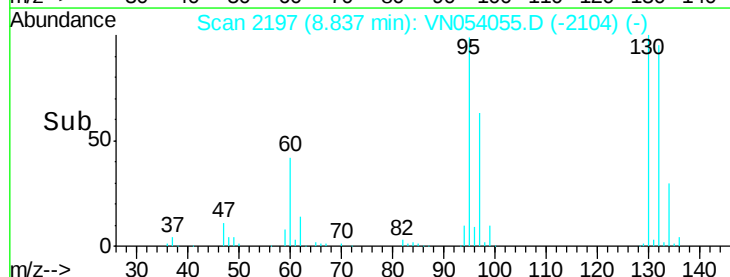
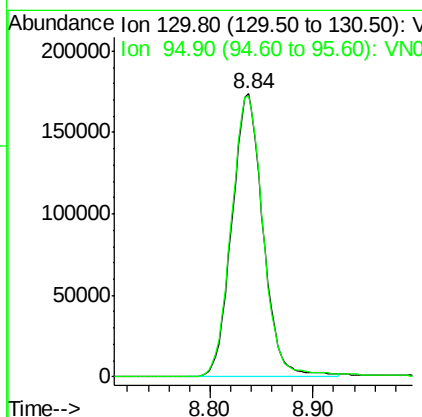
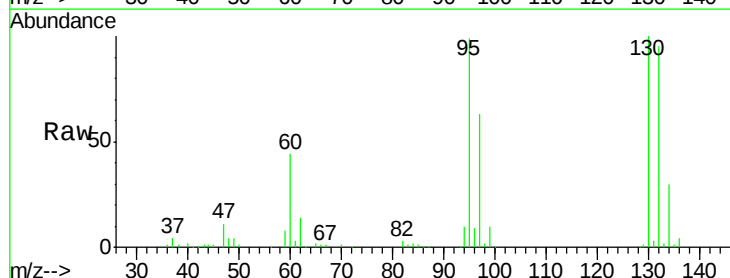
Manual Integrations
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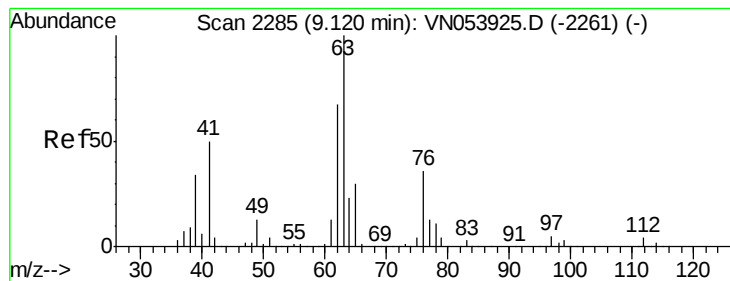
MMDadoda
3/4/2019 1:54:25 PM



#44
Trichloroethene
Concen: 46.734 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	190.0





#45

1,2-Dichloropropane

Concen: 49.931 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 397787

Ion Ratio Lower Upper

63 100

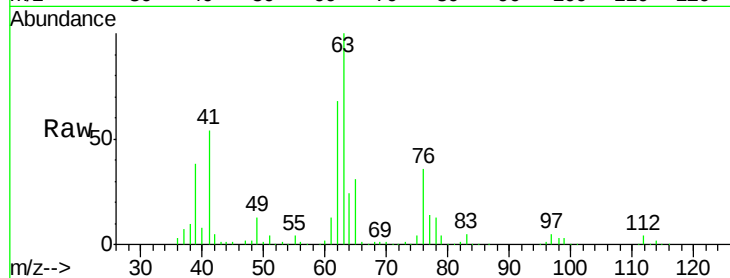
65 30.9 24.3 36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN054055.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN054055.D (-2192) (-)

9.12

200000

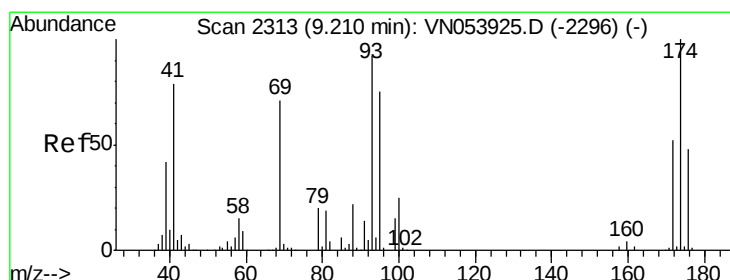
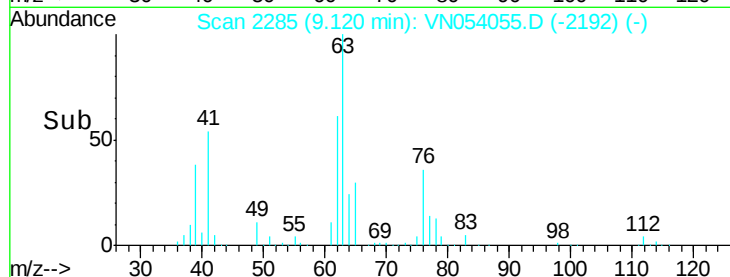
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 49.775 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

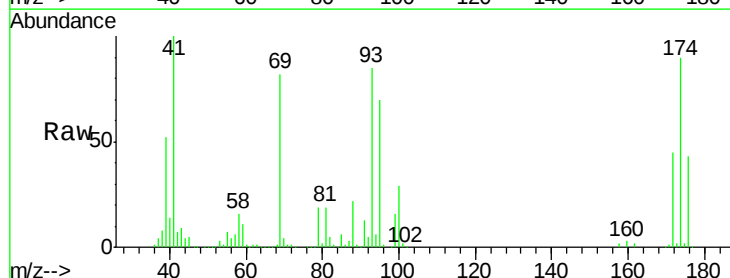
Tgt Ion: 93 Resp: 230215

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

174 105.1 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN054055.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054055.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054055.D (-2220) (-)

9.21

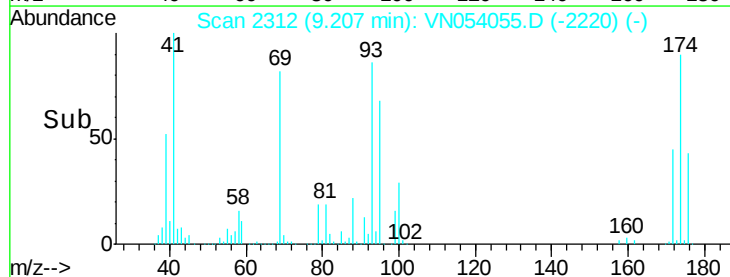
150000

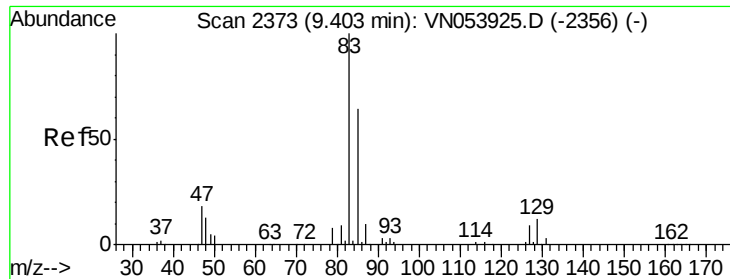
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 49.906 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

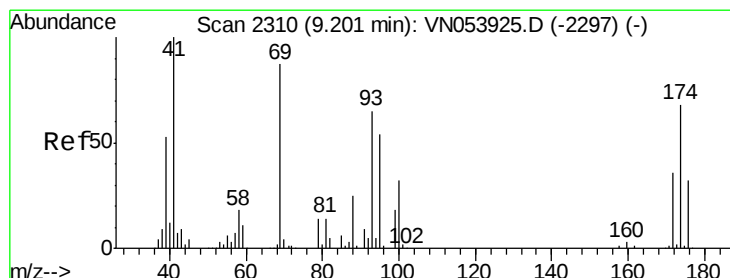
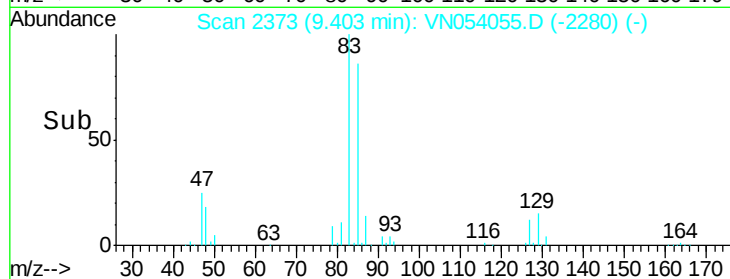
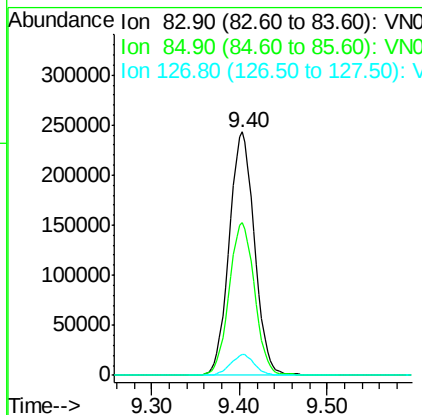
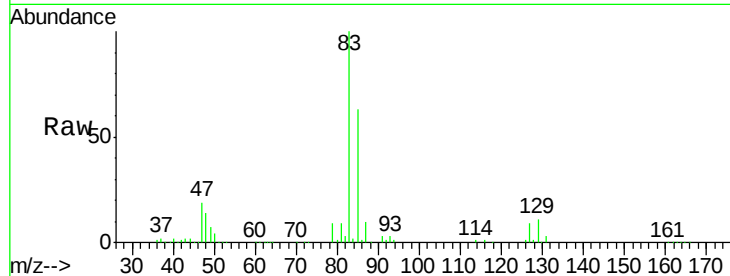
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	486437
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.8	77.6
127	8.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.253 ug/l

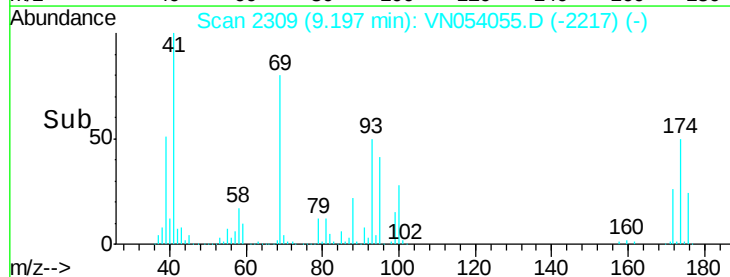
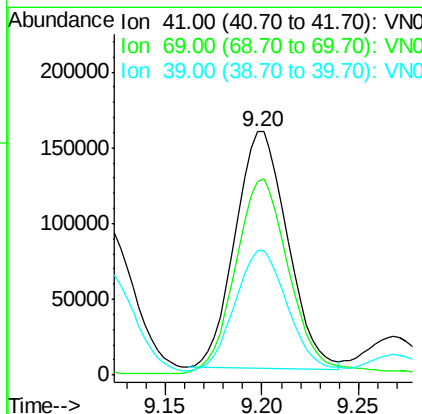
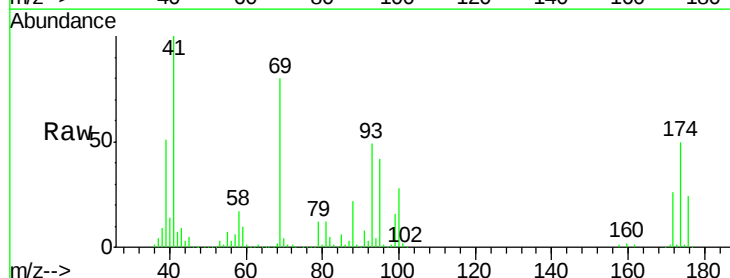
RT: 9.20 min Scan# 2309

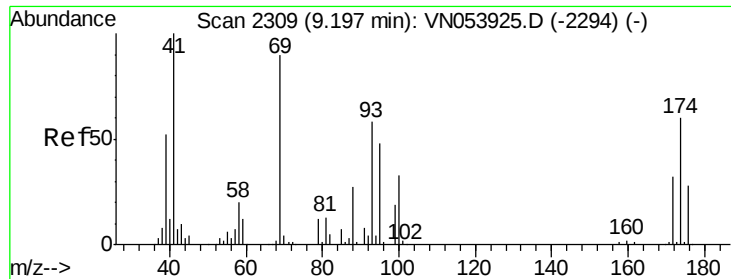
Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion:	41	Resp:	294516
Ion Ratio	Lower	Upper	
41	100		
69	87.4	74.8	112.2
39	55.0	39.0	58.6





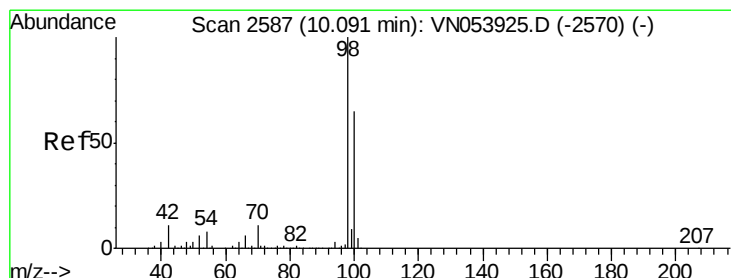
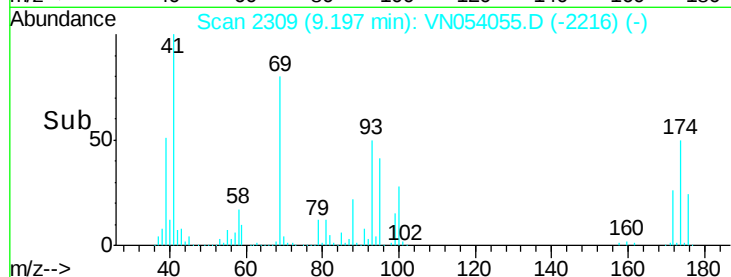
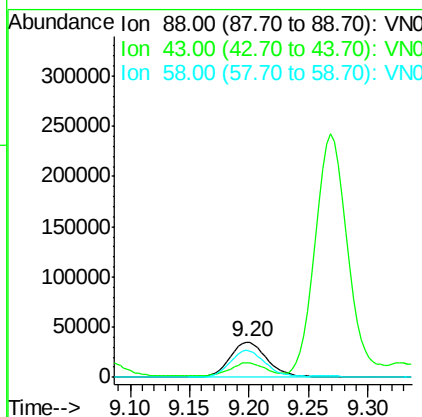
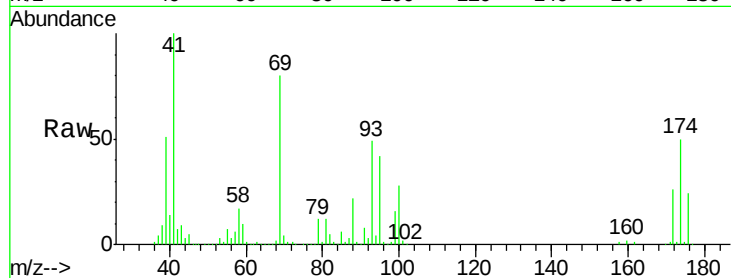
#49
1,4-Dioxane
Concen: 1071.502 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	77357
Ion	Ratio	Lower	Upper
88	100		
43	34.2	21.2	31.8#
58	72.5	54.2	81.2

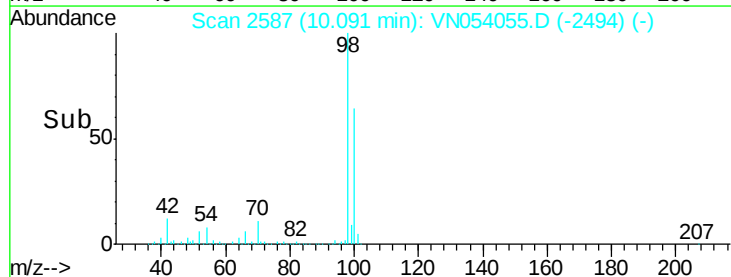
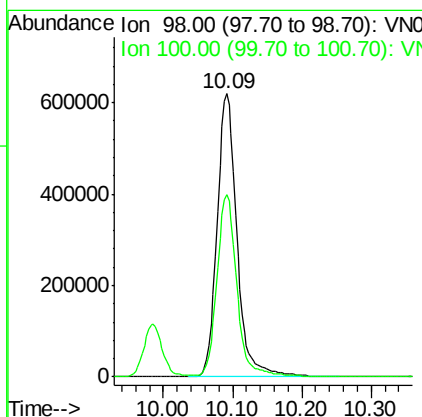
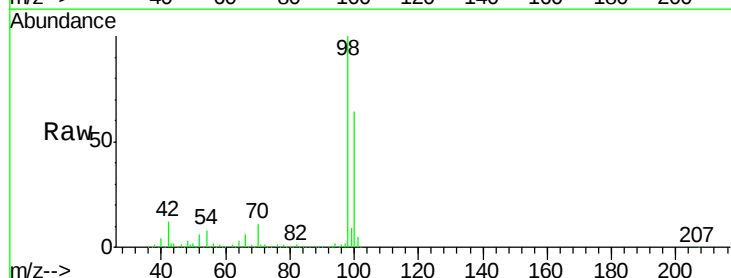
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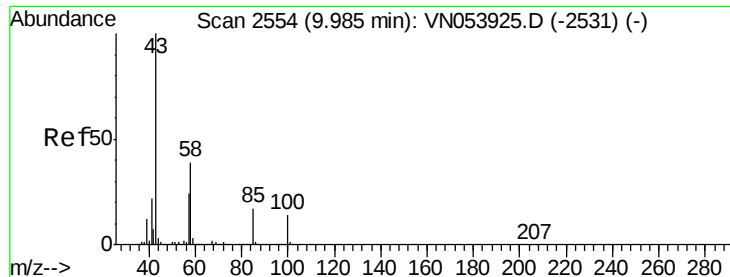
MMDadoda
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#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	98	Resp	1234902
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 283.650 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1689097

Ion Ratio Lower Upper

43 100

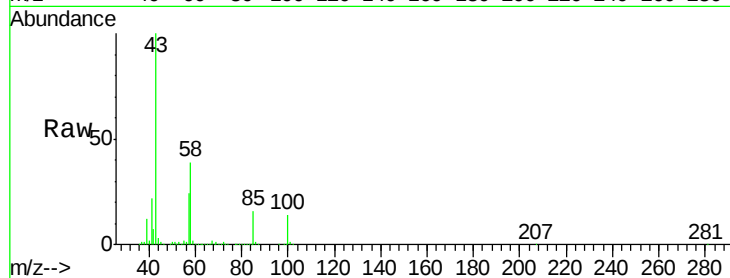
58 37.8 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000000

800000

600000

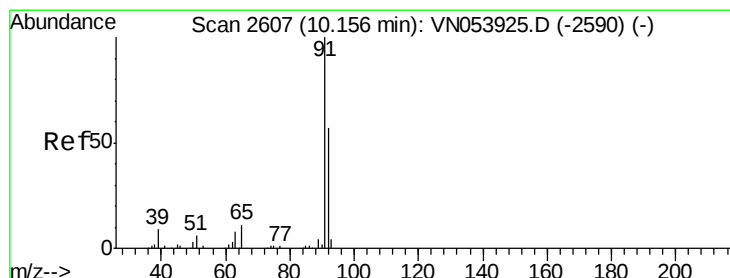
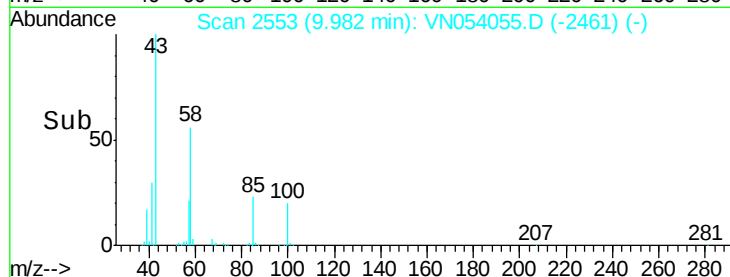
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 49.460 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054055.D

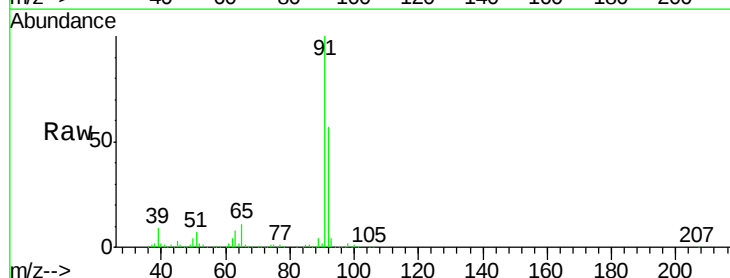
Acq: 2 Mar 2019 2:50

Tgt Ion: 92 Resp: 859987

Ion Ratio Lower Upper

92 100

91 176.3 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

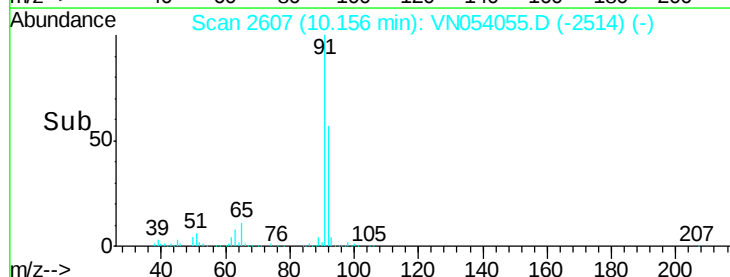
400000

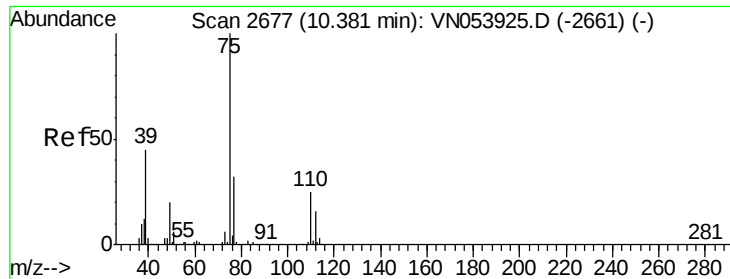
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.504 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 478974

Ion Ratio Lower Upper

75 100

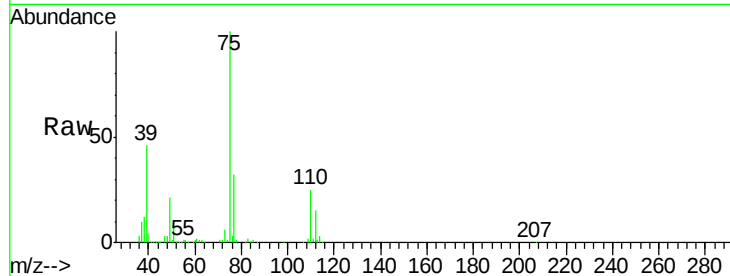
77 31.4 25.0 37.6

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

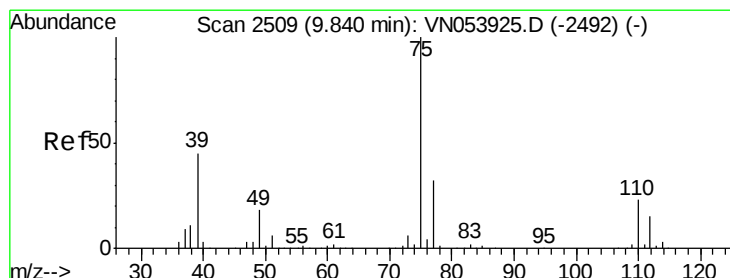
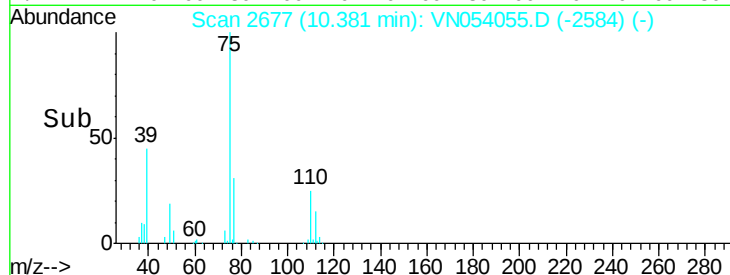
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.448 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

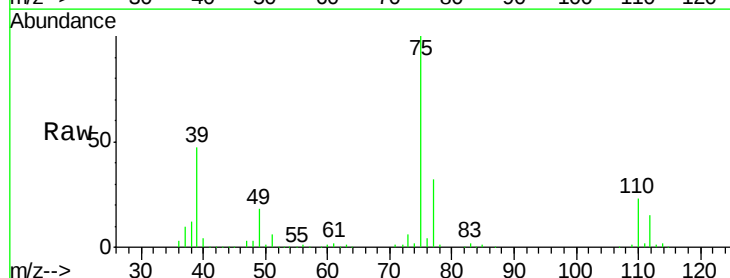
Tgt Ion: 75 Resp: 552840

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 46.6 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

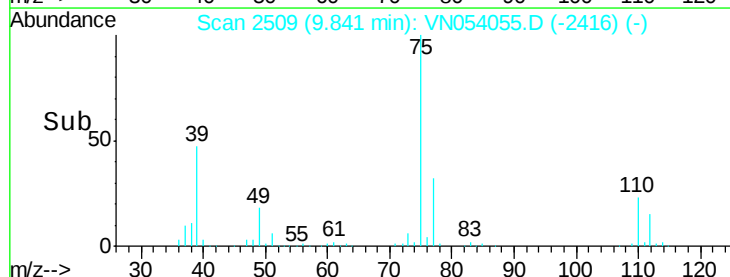
300000

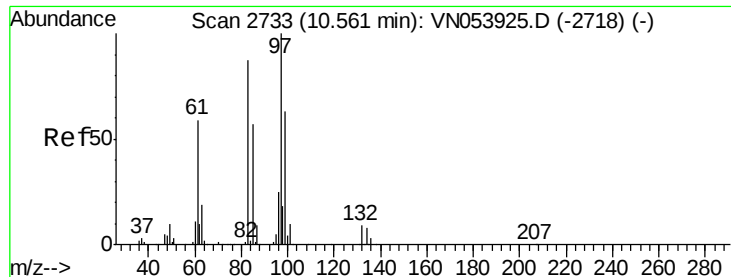
200000

100000

0

Time-->





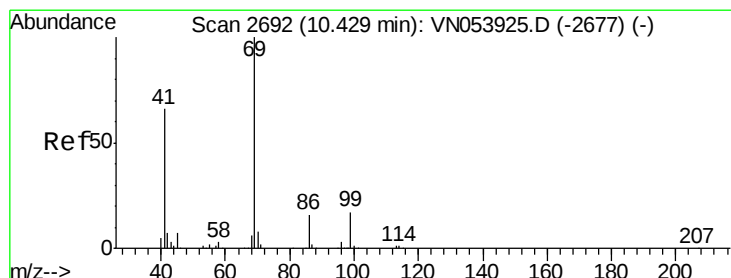
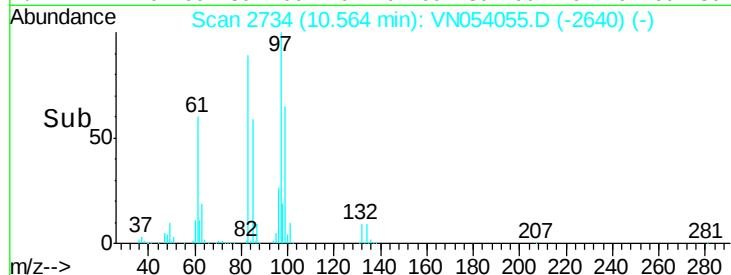
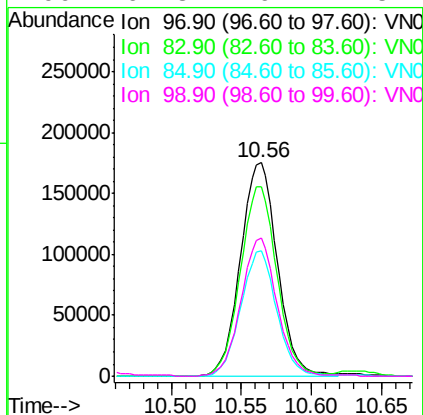
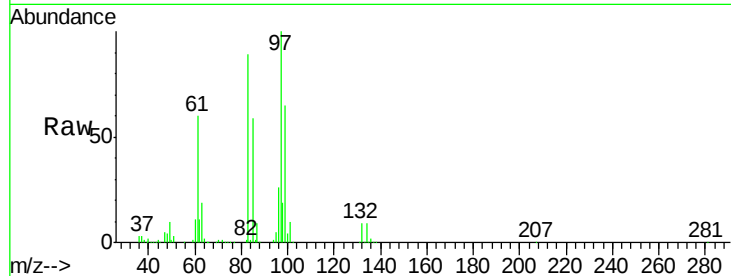
#55
 1,1,2-Trichloroethane
 Concen: 49.595 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	322047
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.5	104.3
85	58.9	45.9	68.9
99	64.3	49.1	73.7

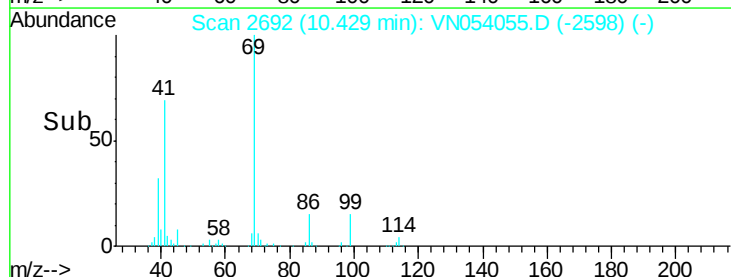
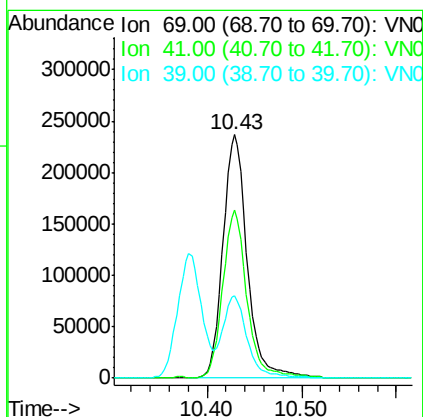
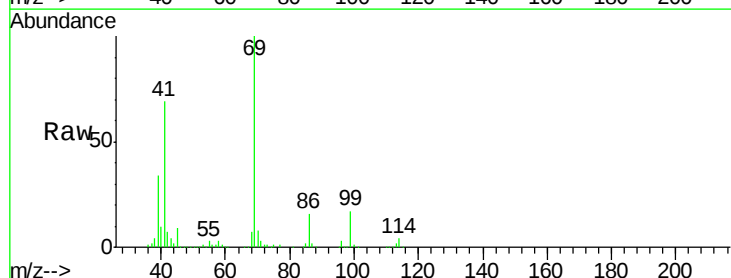
Manual Integrations
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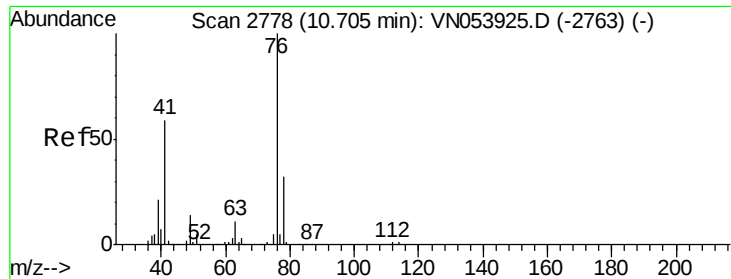
MMDadoda
 3/4/2019 1:54:25 PM



#56
 Ethyl methacrylate
 Concen: 49.696 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion:	69	Resp:	423023
Ion	Ratio	Lower	Upper
69	100		
41	67.9	47.5	71.3
39	34.1	23.4	35.0





#57

1,3-Dichloropropane

Concen: 50.684 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 556087

Ion Ratio Lower Upper

76 100

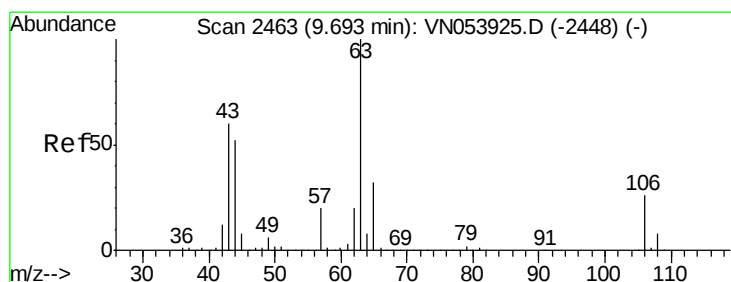
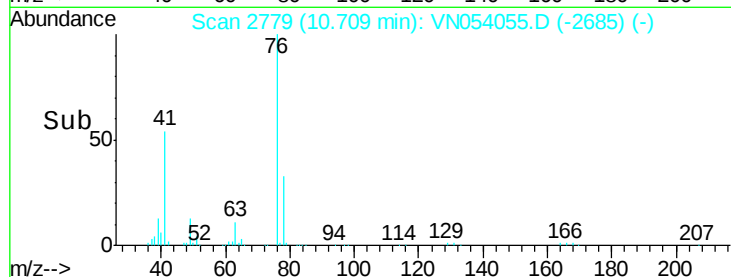
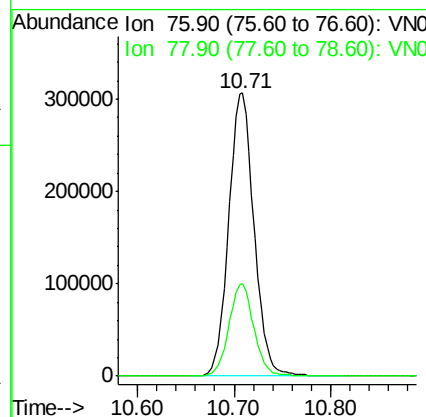
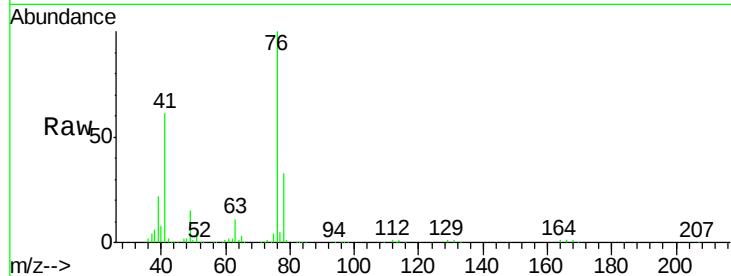
78 32.2 25.2 37.8

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 244.843 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054055.D

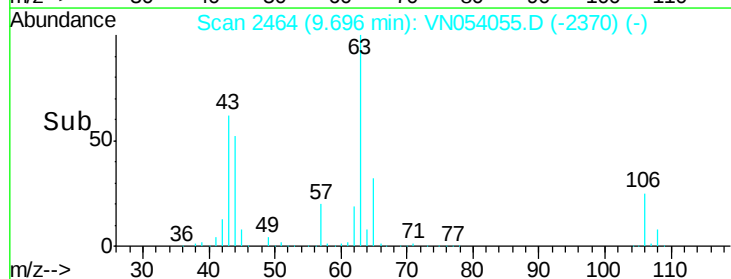
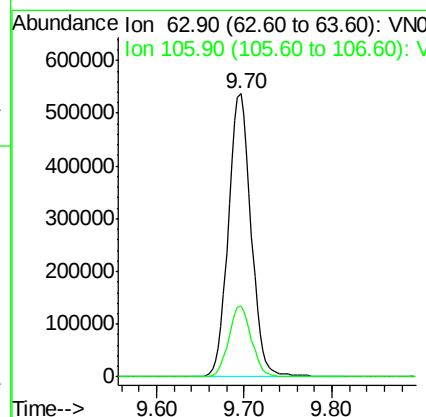
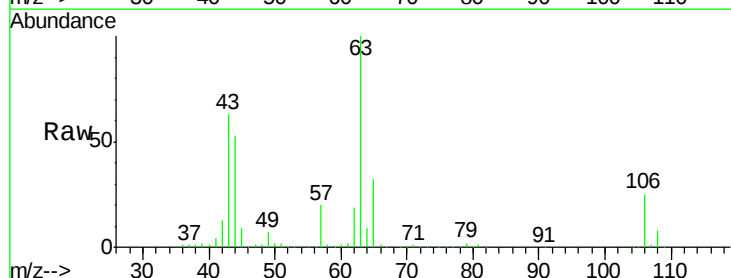
Acq: 2 Mar 2019 2:50

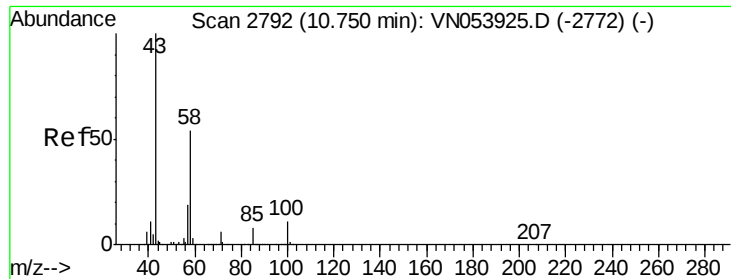
Tgt Ion: 63 Resp: 969395

Ion Ratio Lower Upper

63 100

106 24.9 22.2 33.2





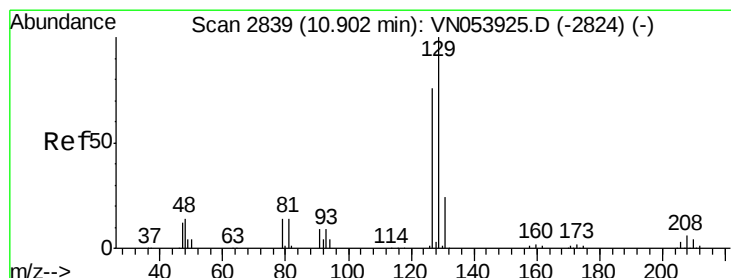
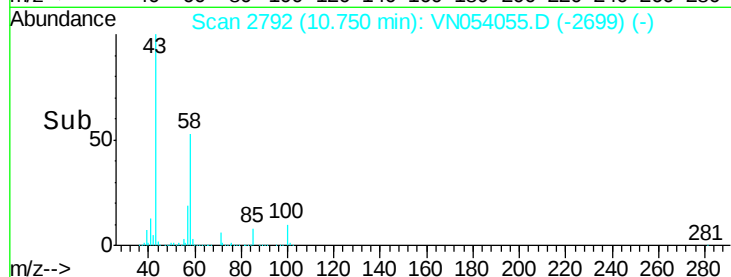
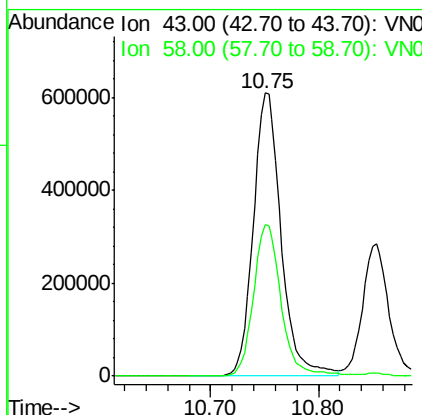
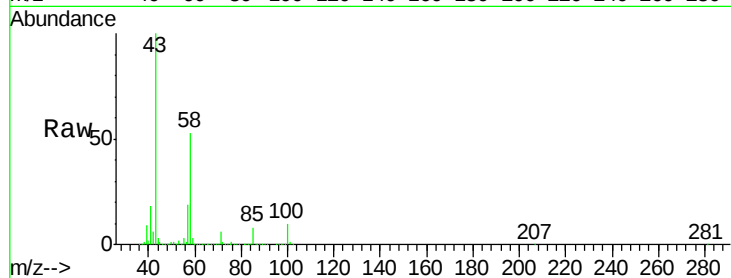
#59
2-Hexanone
Concen: 279.720 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1083337
Ion Ratio Lower Upper
43 100
58 53.4 29.1 87.4

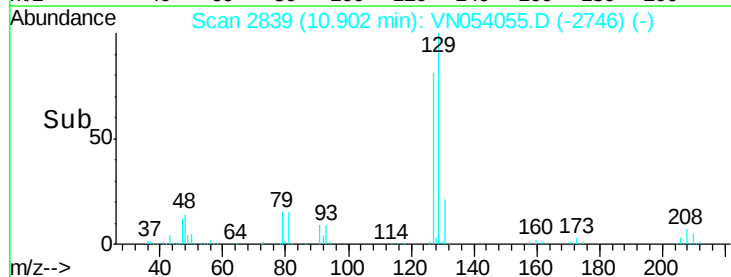
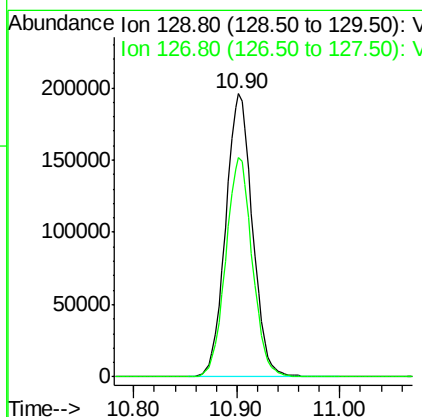
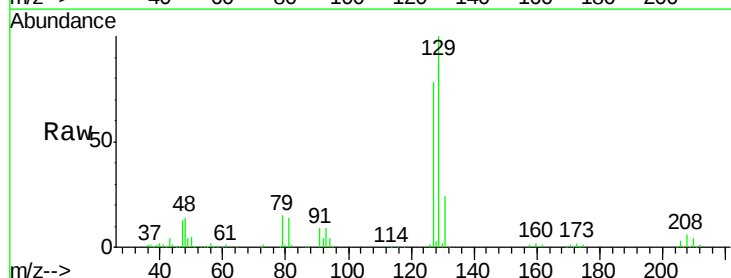
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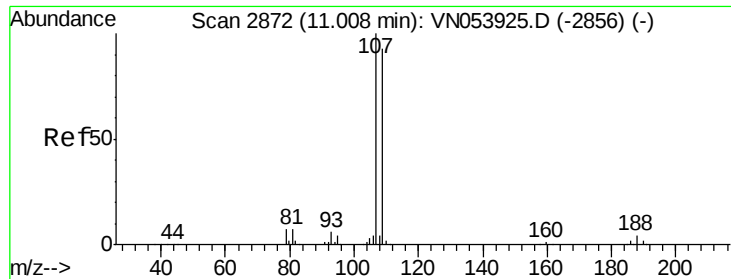
MMDadoda
3/4/2019 1:54:25 PM



#60
Dibromochloromethane
Concen: 49.110 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 129 Resp: 354413
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





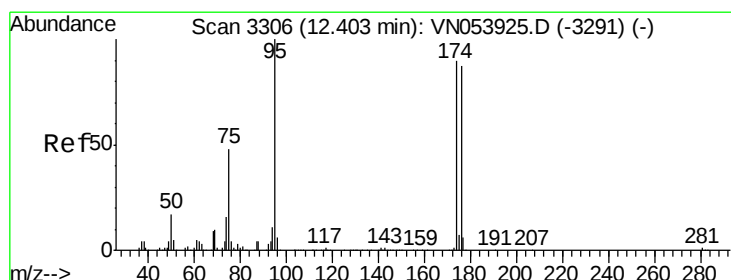
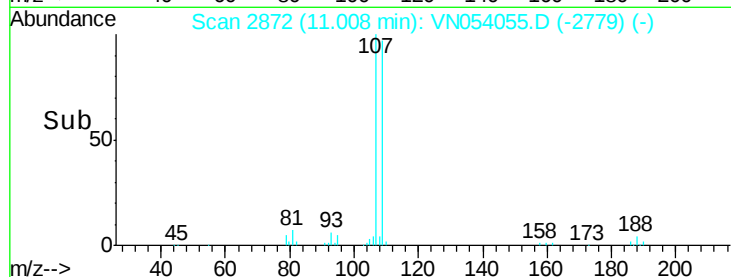
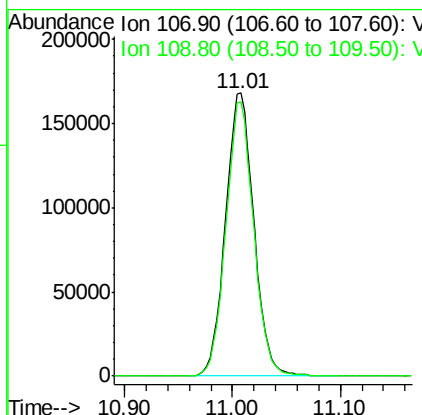
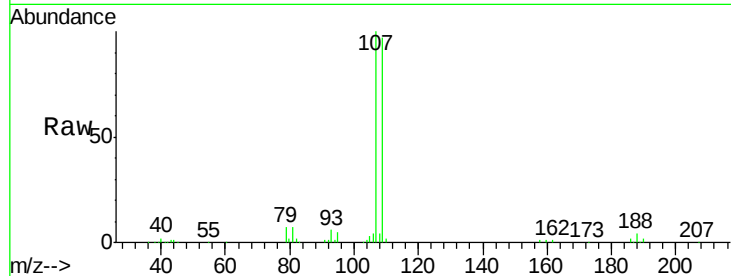
#61
 1,2-Dibromoethane
 Concen: 49.172 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.3	114.5

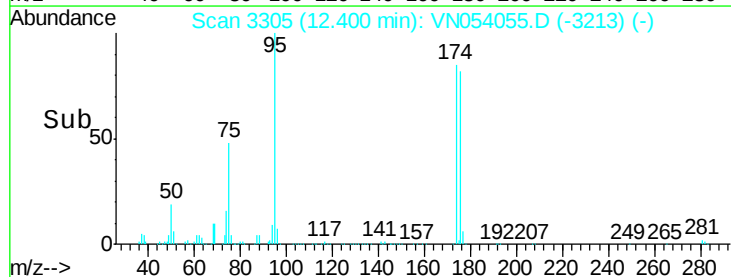
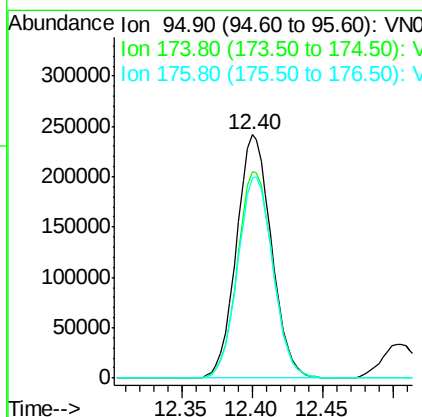
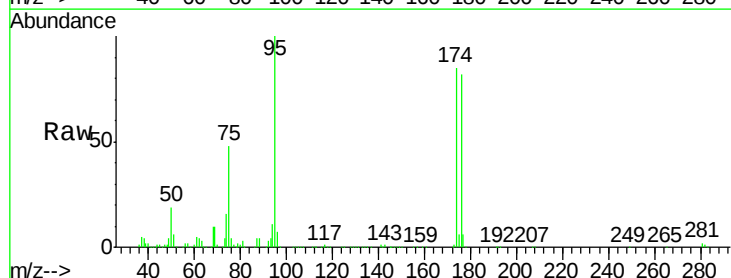
Manual Integrations
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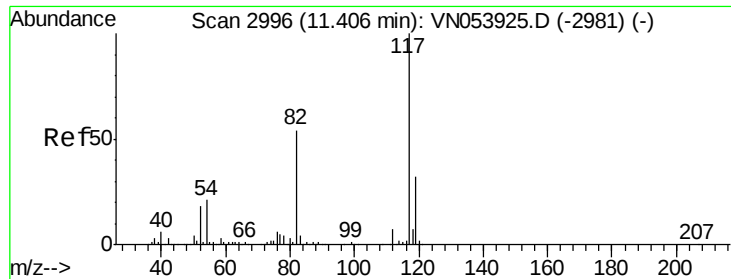
MMDadoda
 3/4/2019 1:54:25 PM



#62
 4-Bromofluorobenzene
 Concen: 50.622 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	188.8
176	83.7	0.0	182.6





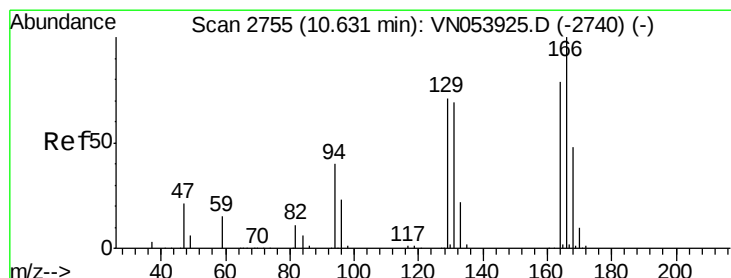
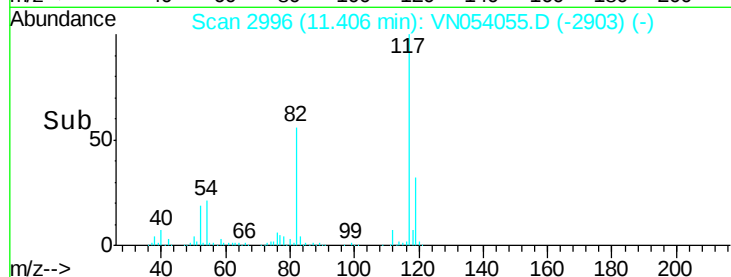
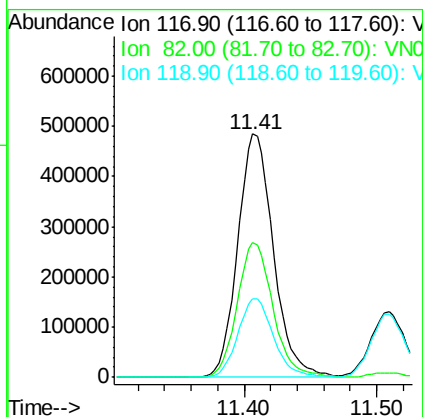
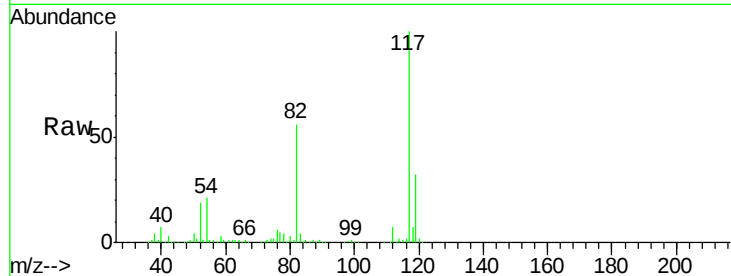
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	907706		
82	55.6	41.4	62.2	
119	32.5	25.3	37.9	

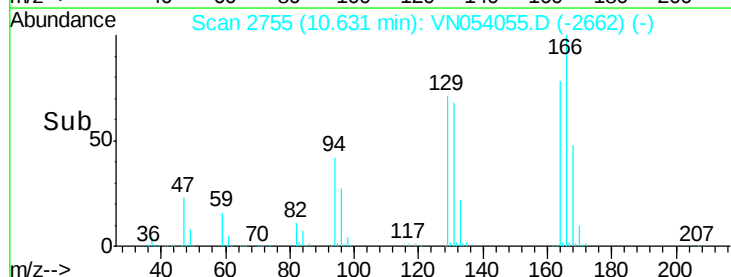
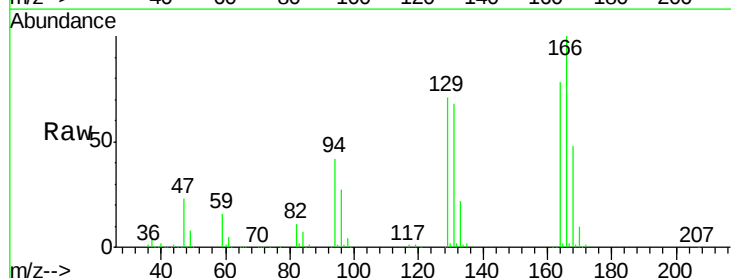
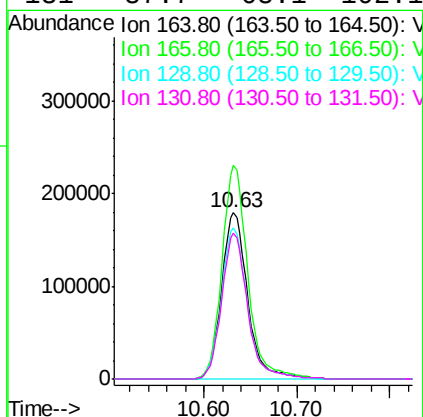
Manual Integrations
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#64
Tetrachloroethene
Concen: 45.524 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	349910		
166	128.5	102.6	153.8	
129	91.0	69.4	104.0	
131	87.7	68.1	102.1	





#65

Chlorobenzene

Concen: 48.087 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 921199

Ion Ratio Lower Upper

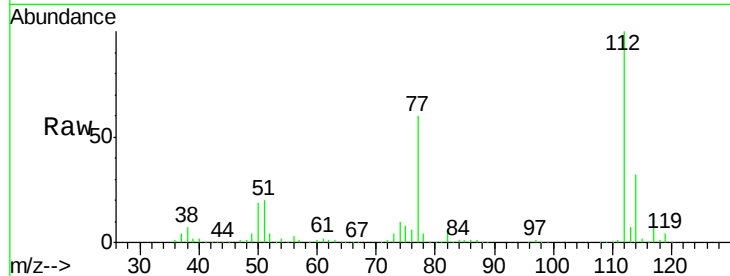
112 100

114 32.1 25.7 38.5

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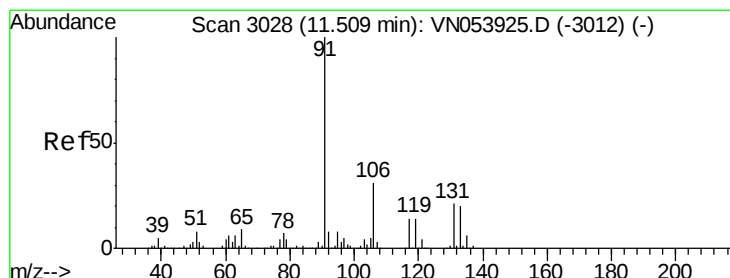
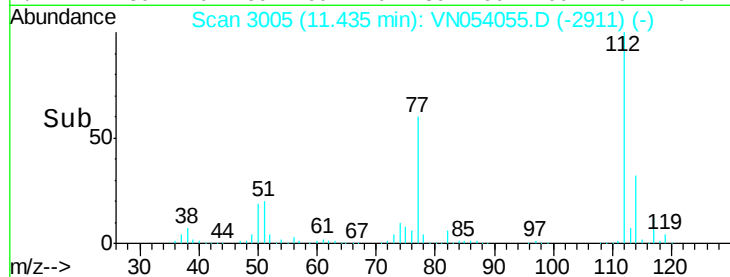
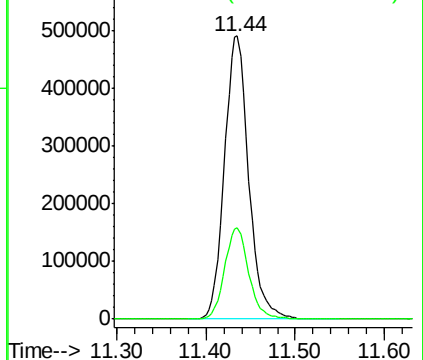
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.577 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

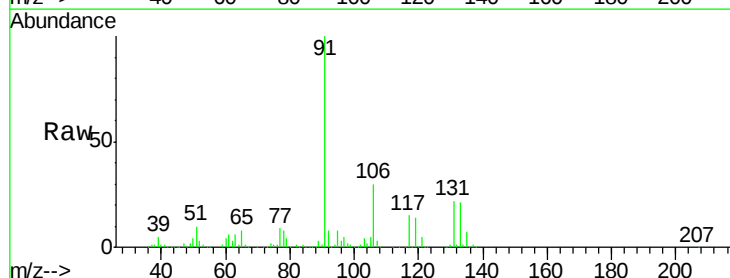
Tgt Ion:131 Resp: 342288

Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

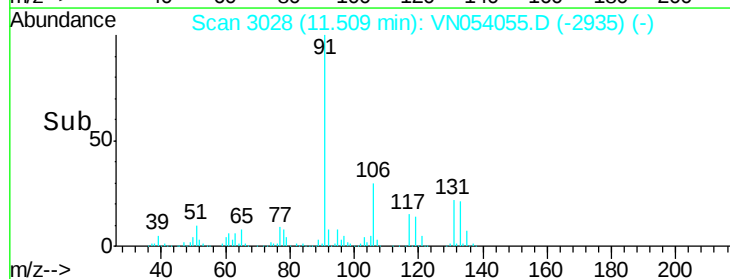
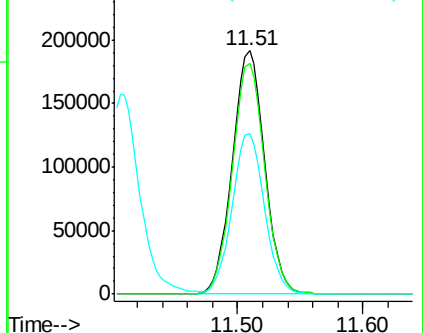
119 66.1 33.1 99.3

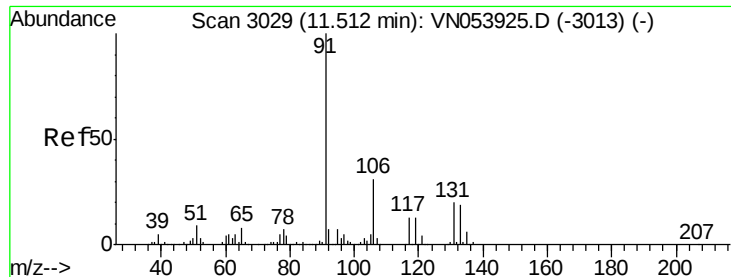


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





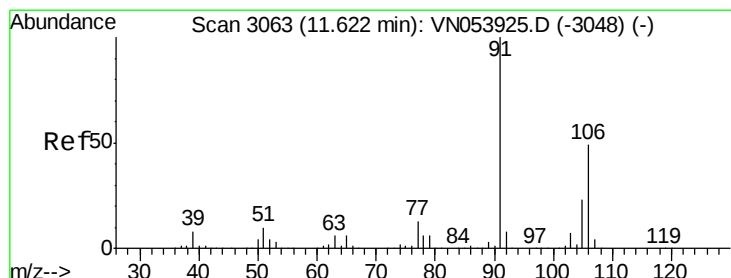
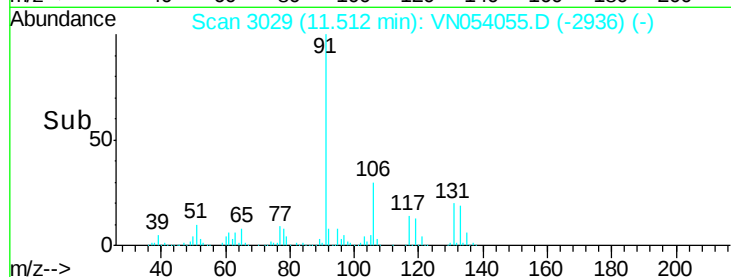
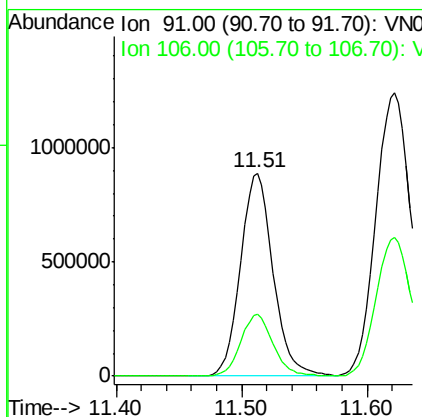
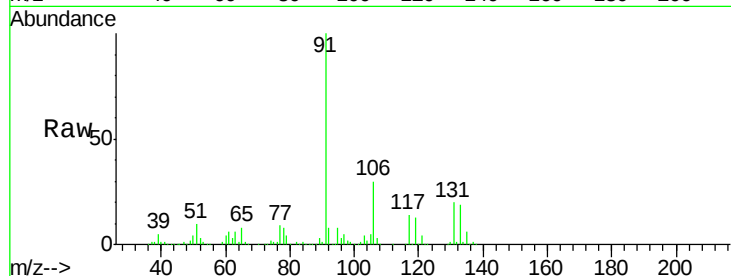
#67
Ethyl Benzene
Concen: 49.988 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1605368
Ion Ratio Lower Upper
91 100
106 30.4 25.2 37.8

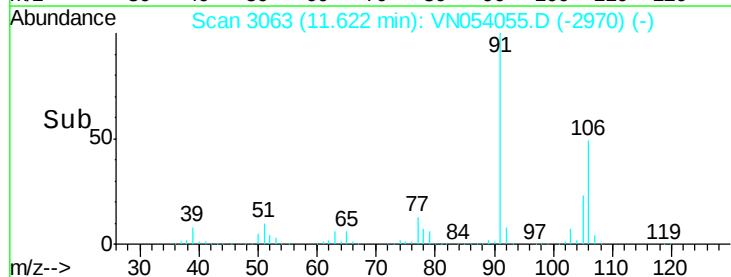
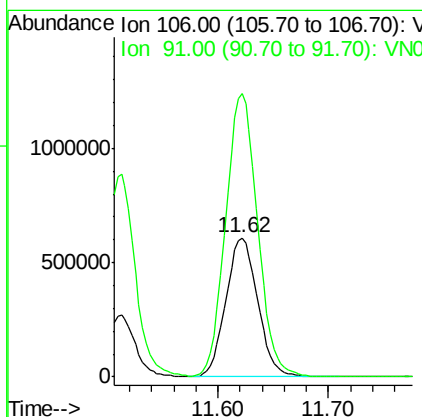
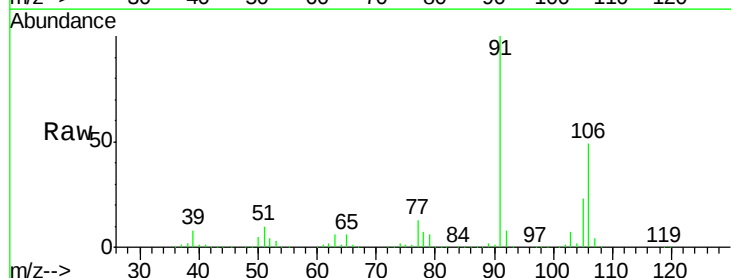
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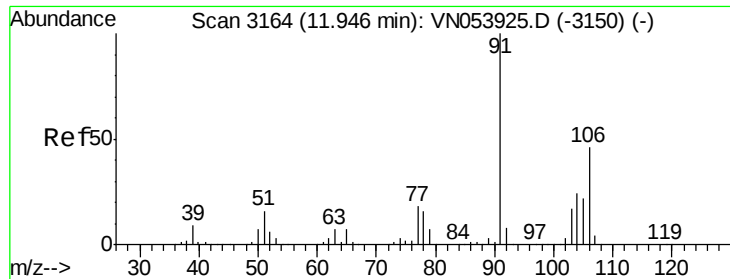
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#68
m/p-Xylenes
Concen: 100.484 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 106 Resp: 1217959
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3





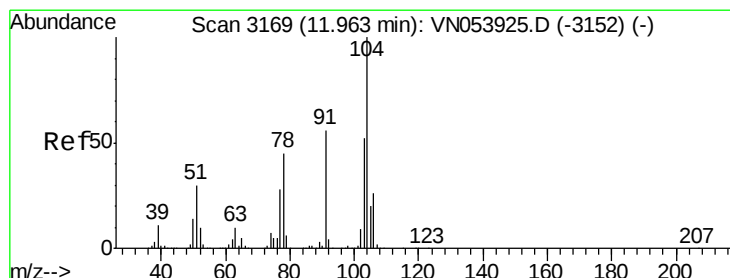
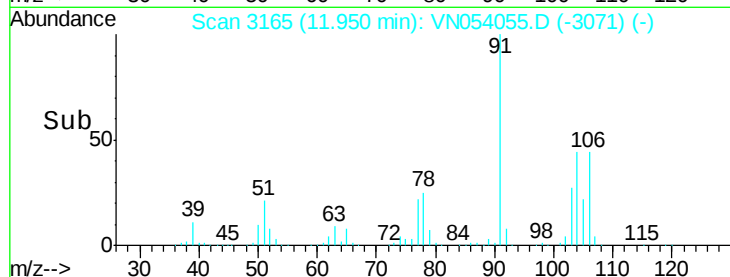
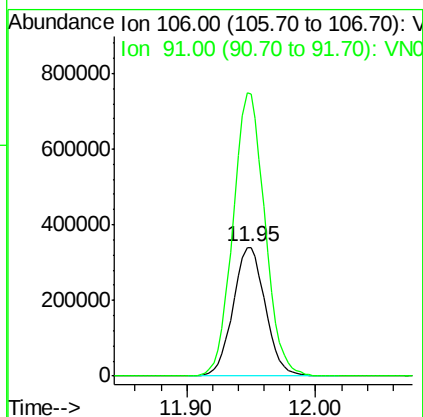
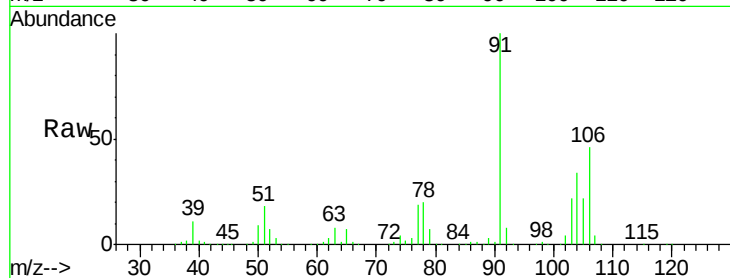
#69
o-Xylene
Concen: 49.521 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 589782
Ion Ratio Lower Upper
106 100
91 217.7 106.0 318.0

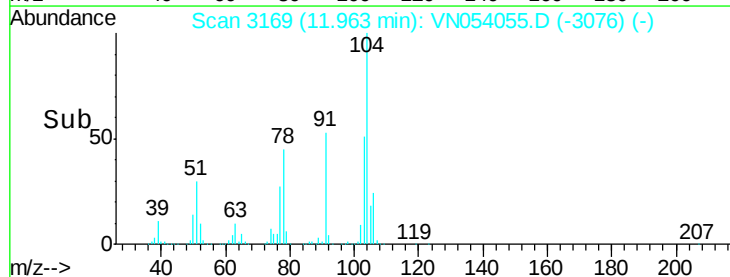
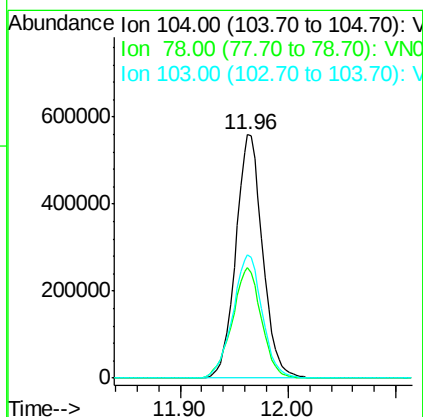
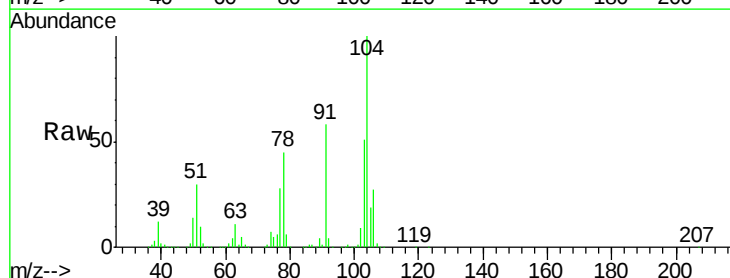
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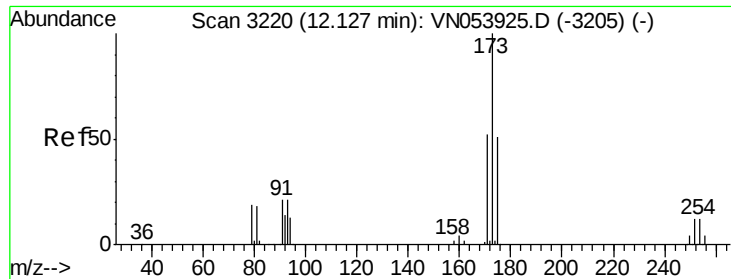
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#70
Styrene
Concen: 52.850 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion:104 Resp: 968146
Ion Ratio Lower Upper
104 100
78 49.4 38.1 57.1
103 55.5 44.6 67.0





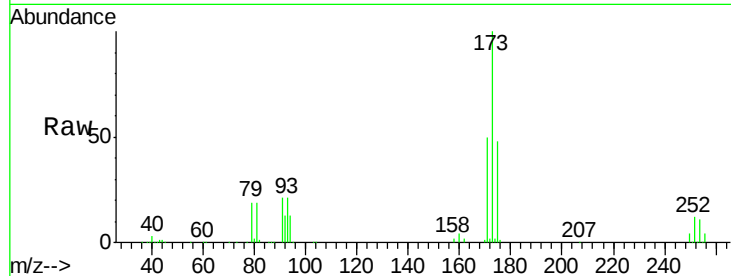
#71
Bromoform
Concen: 49.710 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

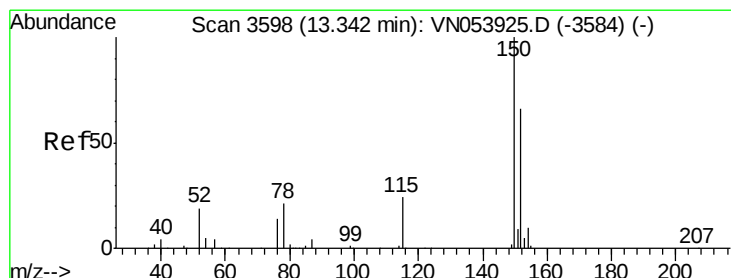
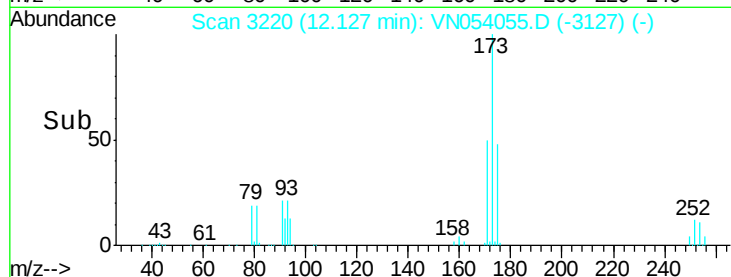
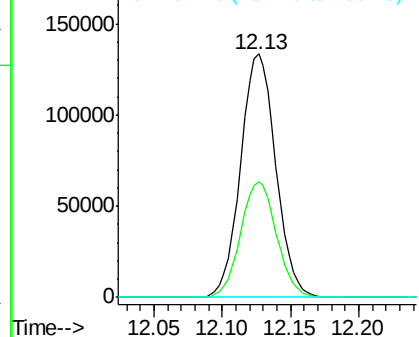
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.1	0.2	0.2

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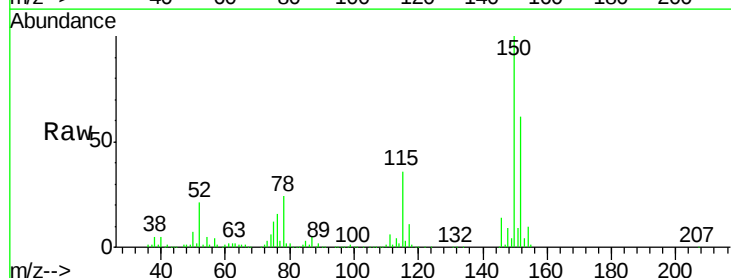


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

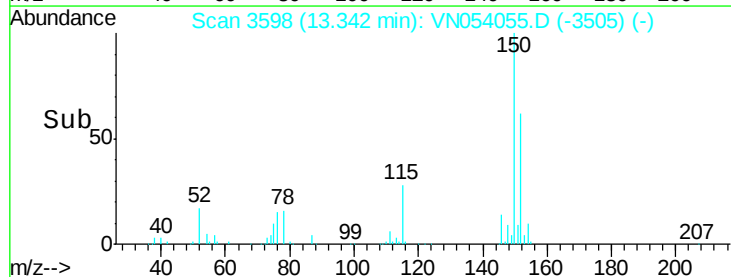
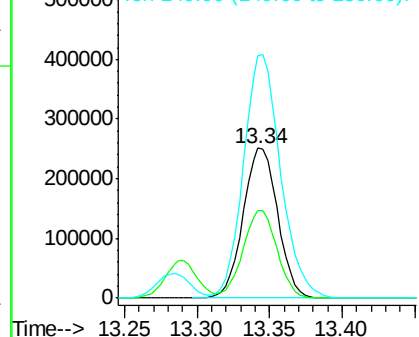


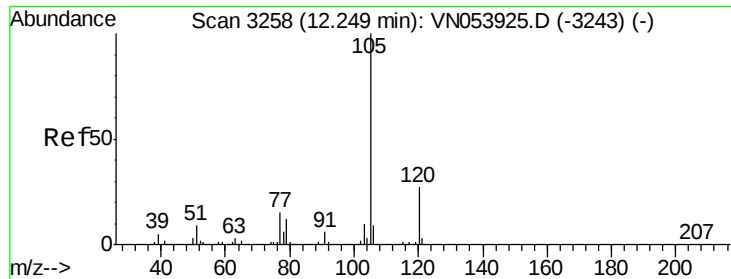
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	27.2	81.6
150	173.9	0.0	348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





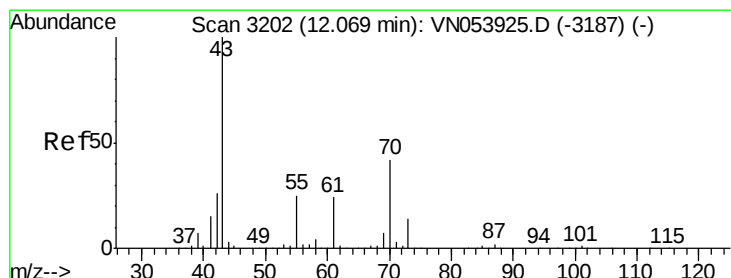
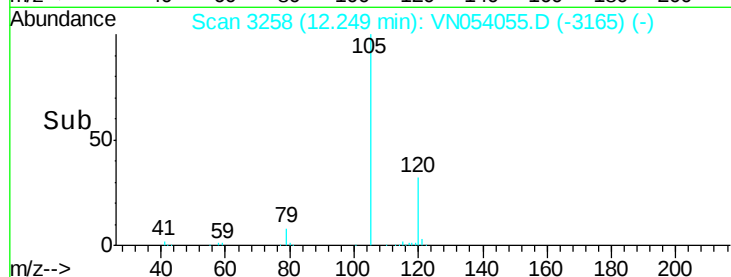
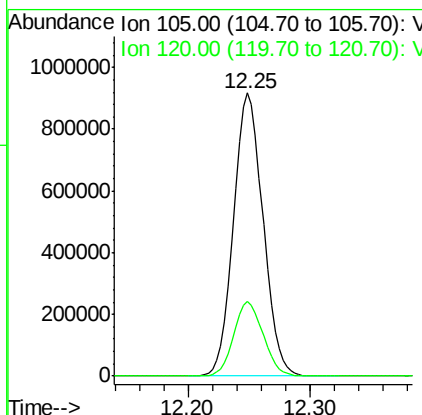
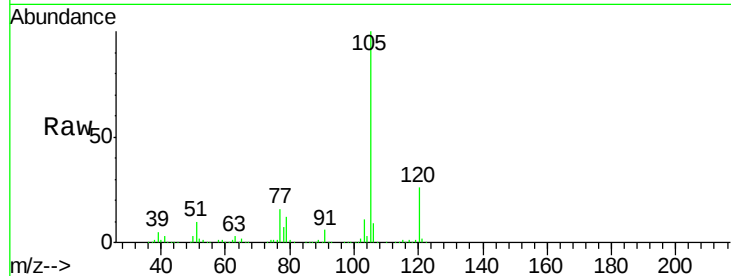
#73
Isopropylbenzene
Concen: 47.479 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1540566
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.5

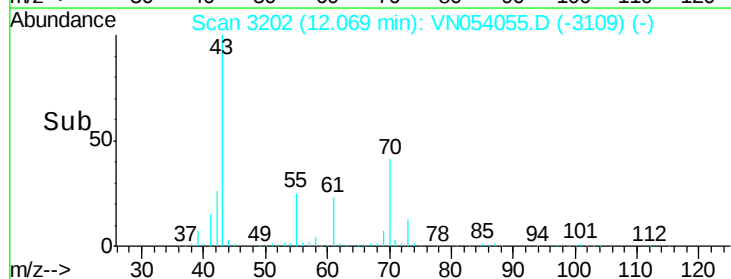
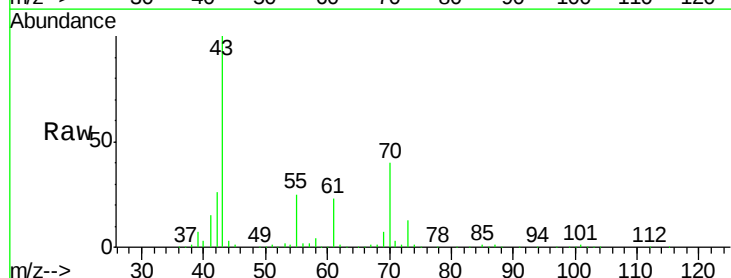
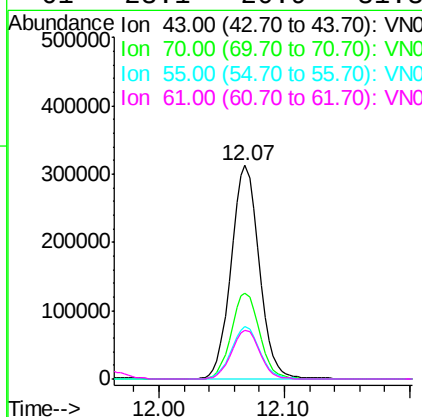
Manual Integrations
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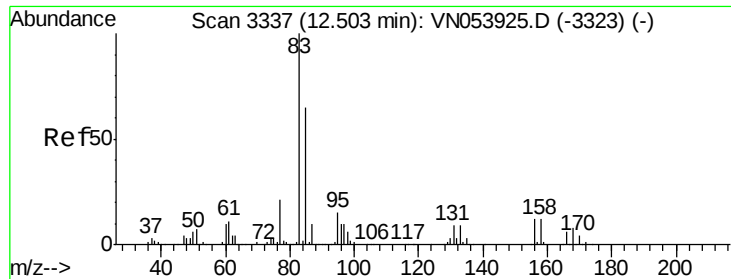
MMDadoda
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#74
N-ethyl acetate
Concen: 56.929 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 43 Resp: 484139
Ion Ratio Lower Upper
43 100
70 40.8 37.4 56.2
55 25.1 21.4 32.0
61 23.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.369 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

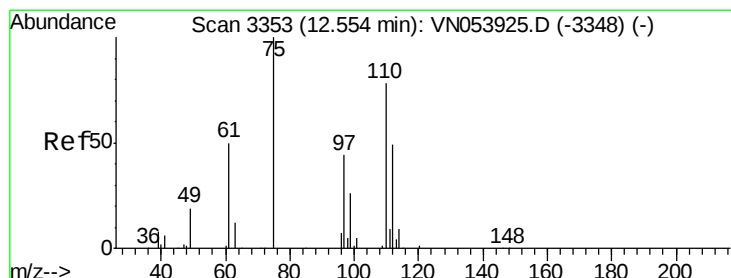
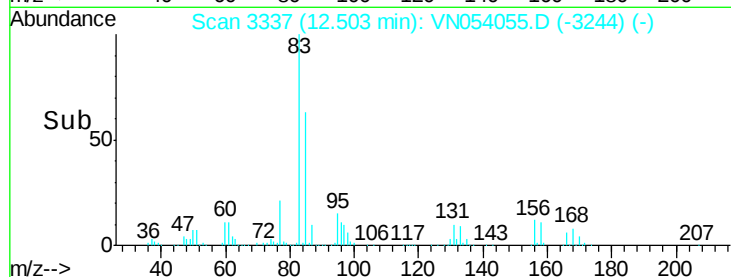
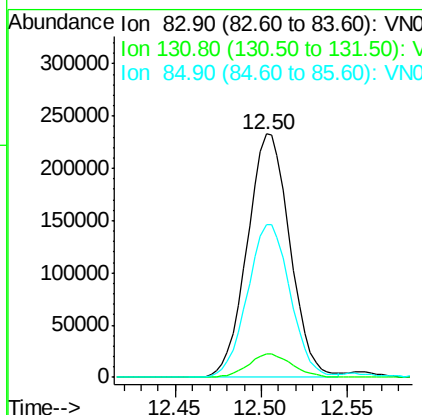
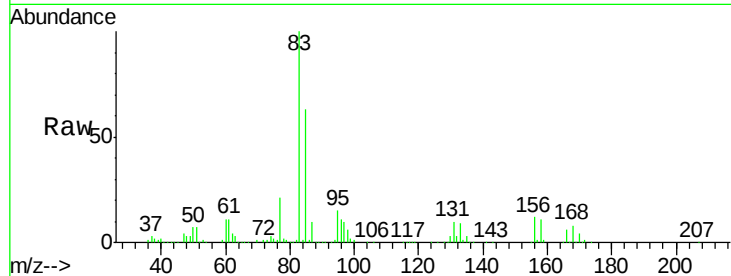
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	400583
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	16.1
85	63.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.820 ug/l m

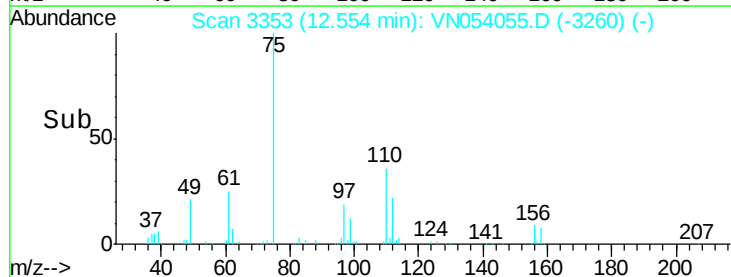
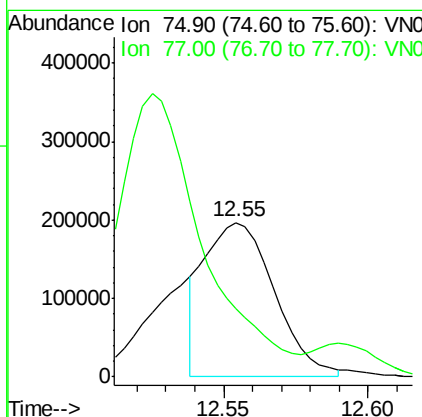
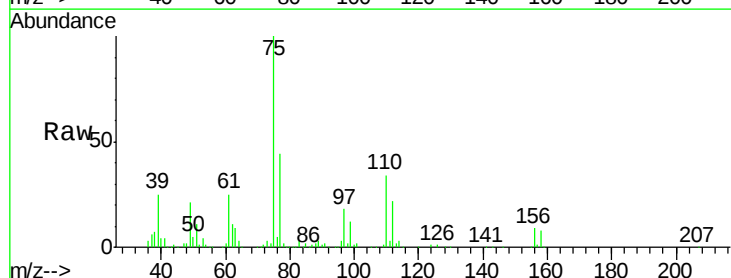
RT: 12.55 min Scan# 3353

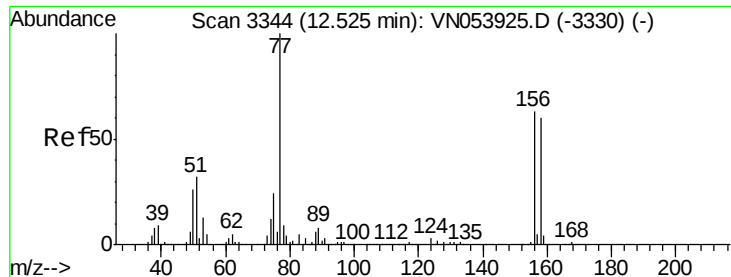
Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion:	75	Resp:	333130
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





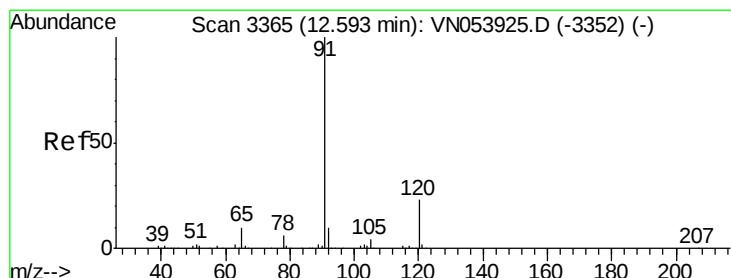
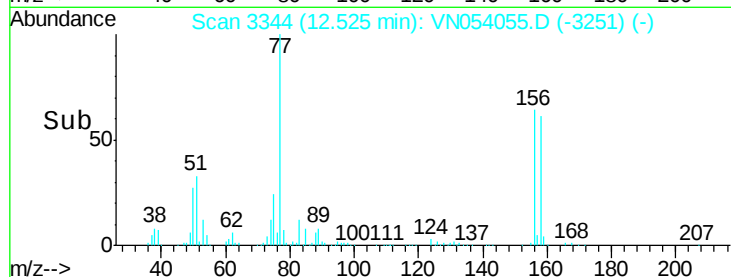
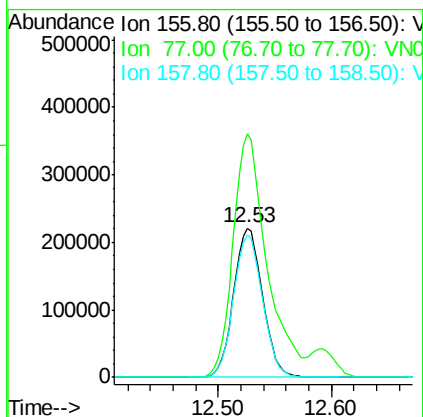
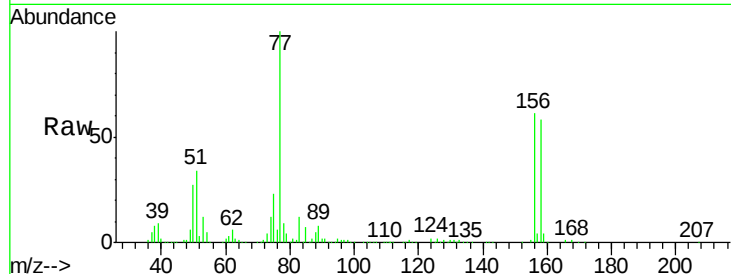
#77
Bromobenzene
Concen: 47.840 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.2	84.0	252.2
158	95.6	48.5	145.6

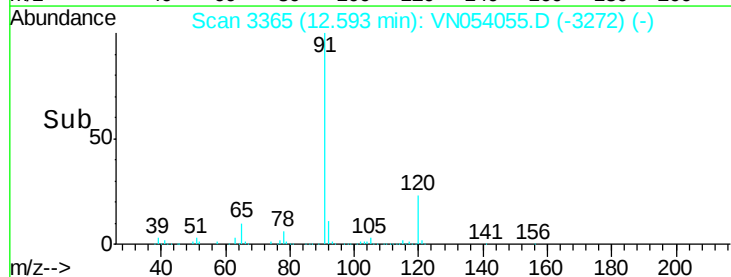
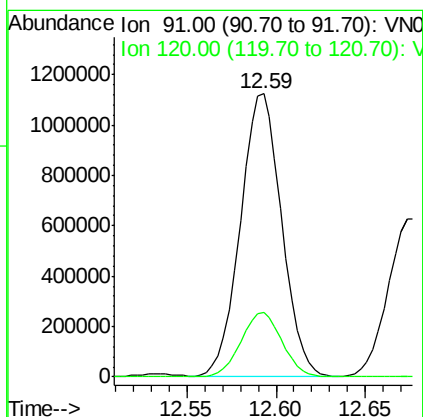
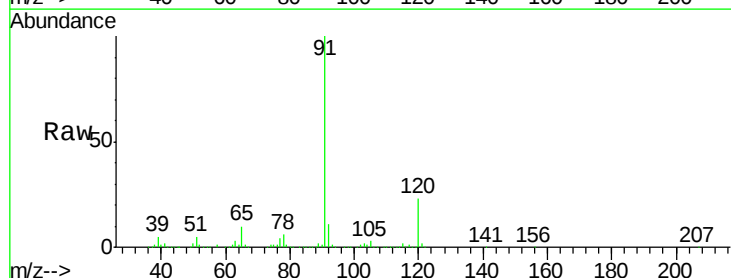
Manual Integrations
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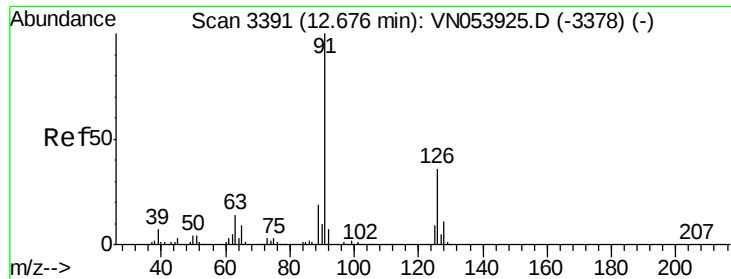
MMDadoda
3/4/2019 1:54:25 PM



#78
n-propylbenzene
Concen: 49.083 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 48.374 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1072322

Ion Ratio Lower Upper

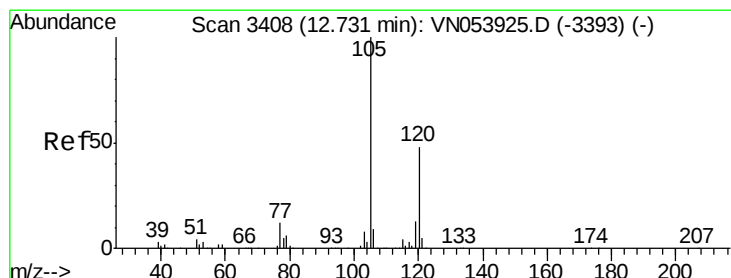
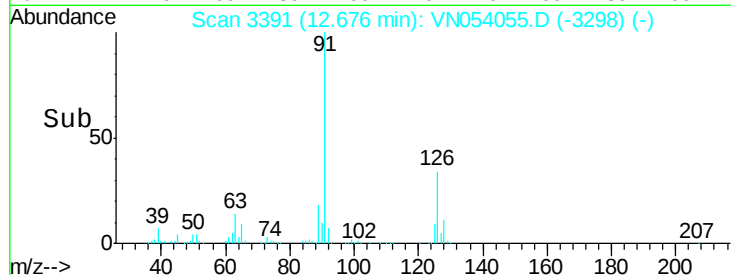
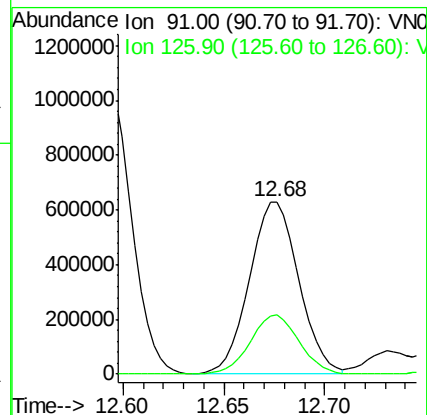
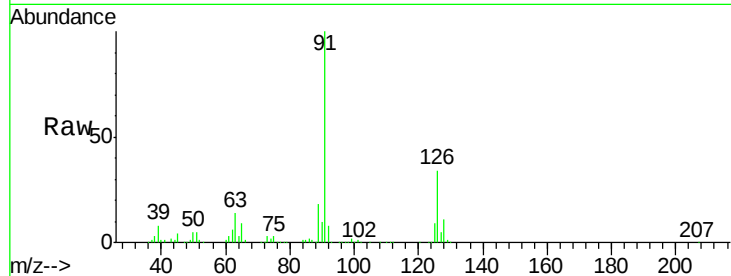
91 100

126 34.3 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 48.832 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054055.D

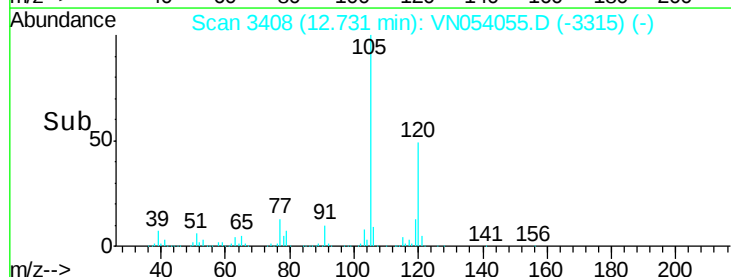
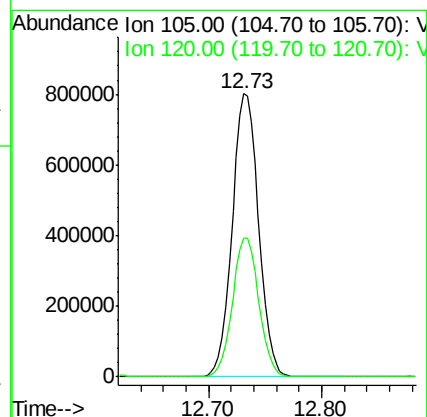
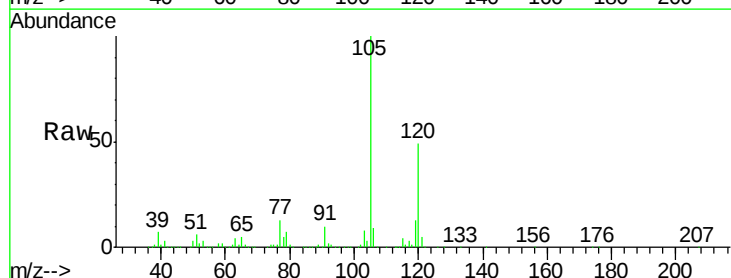
Acq: 2 Mar 2019 2:50

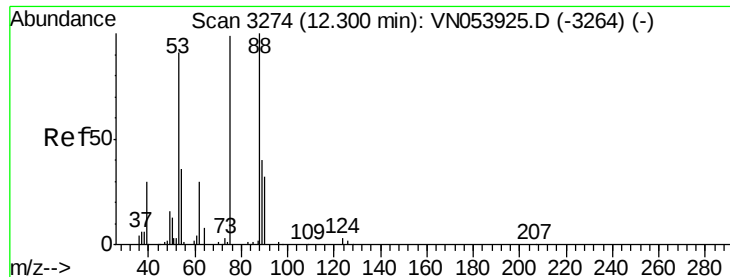
Tgt Ion:105 Resp: 1297158

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.588 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 100678

Ion Ratio Lower Upper

75 100

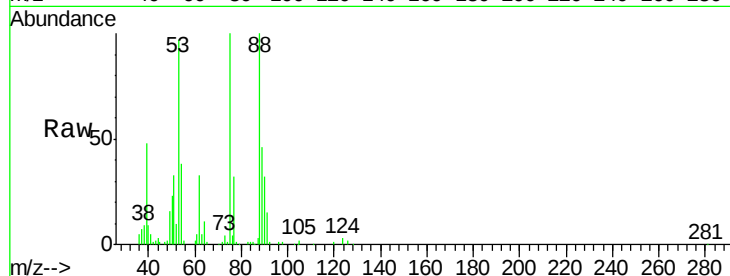
53 97.5 68.6 102.8

89 44.7 35.3 52.9

Manual Integrations
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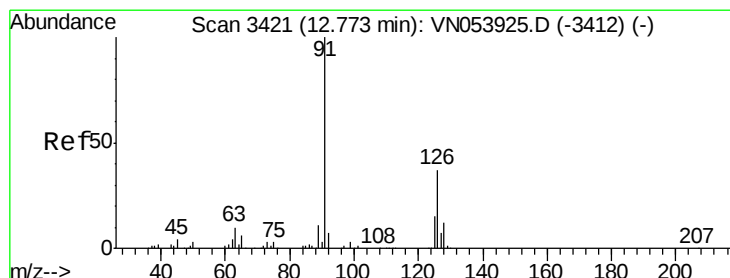
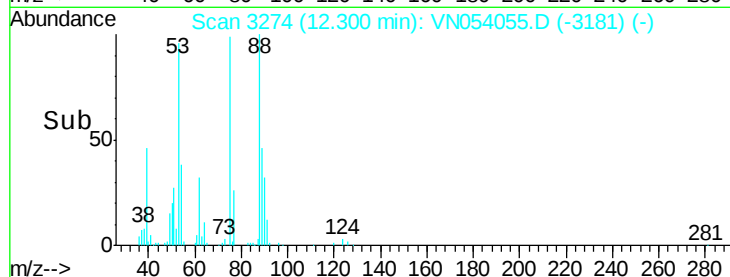
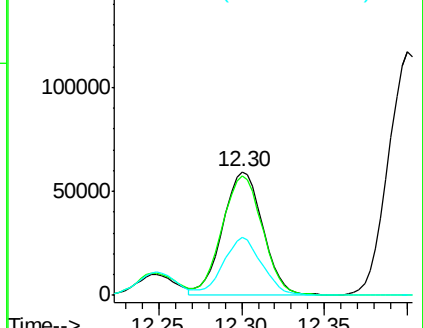
3/4/2019 1:54:25 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.274 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054055.D

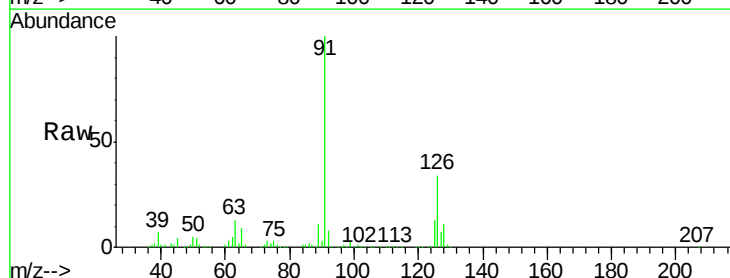
Acq: 2 Mar 2019 2:50

Tgt Ion: 91 Resp: 1079522

Ion Ratio Lower Upper

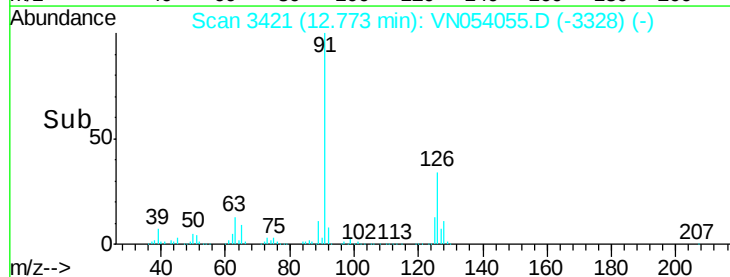
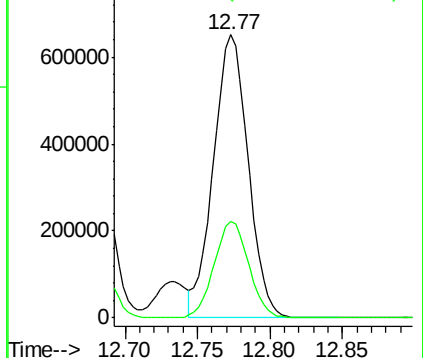
91 100

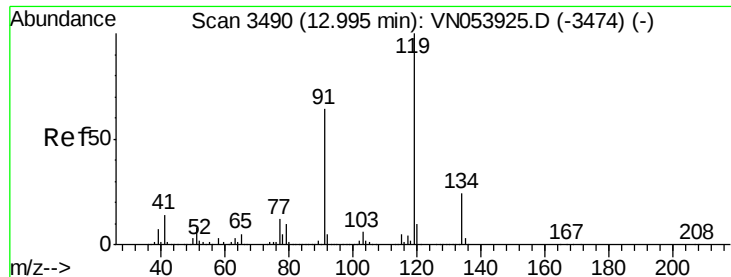
126 33.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





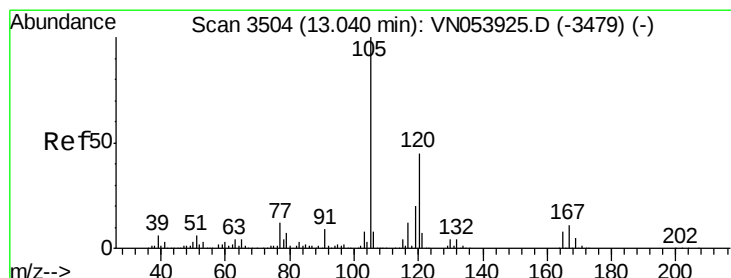
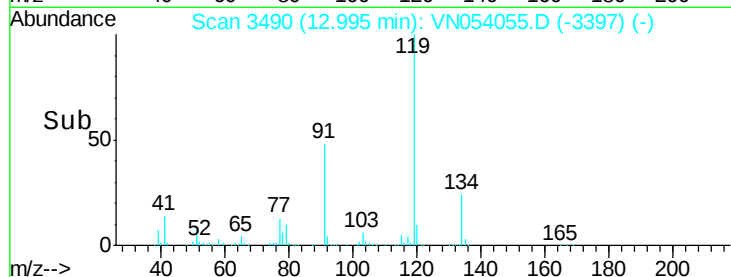
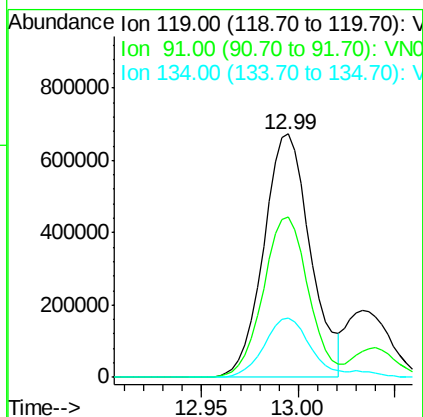
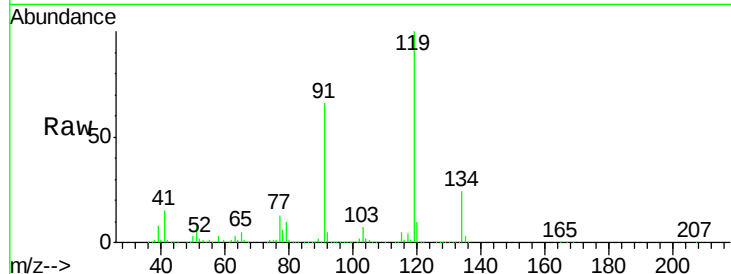
#83
 tert-Butylbenzene
 Concen: 48.247 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1133509
 Ion Ratio Lower Upper
 119 100
 91 63.7 30.6 91.8
 134 25.8 13.0 39.0

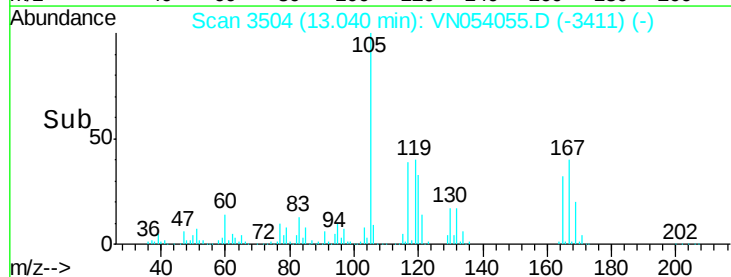
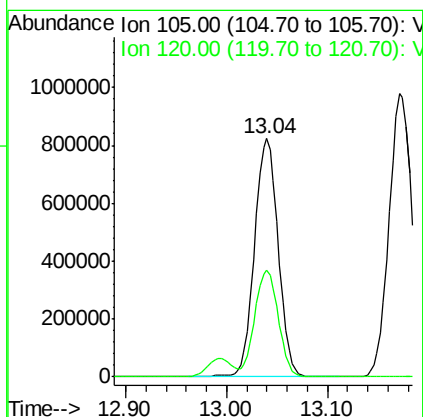
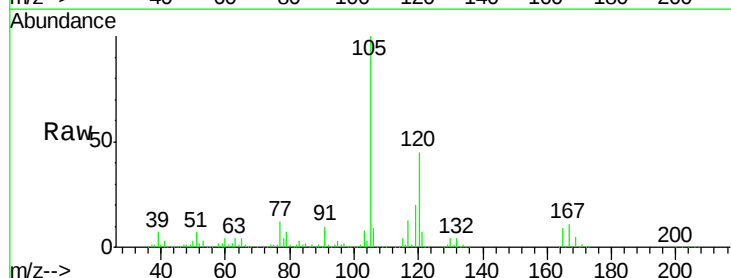
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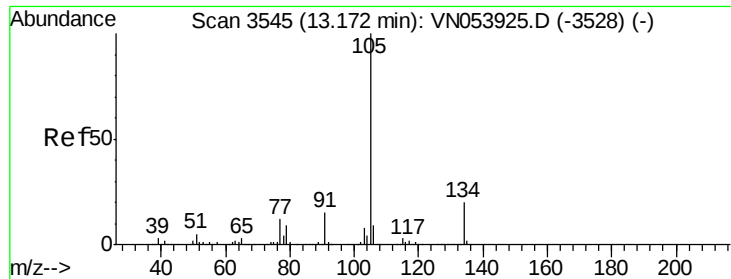
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.219 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion:105 Resp: 1331791
 Ion Ratio Lower Upper
 105 100
 120 44.8 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.210 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1546984

Ion Ratio Lower Upper

105 100

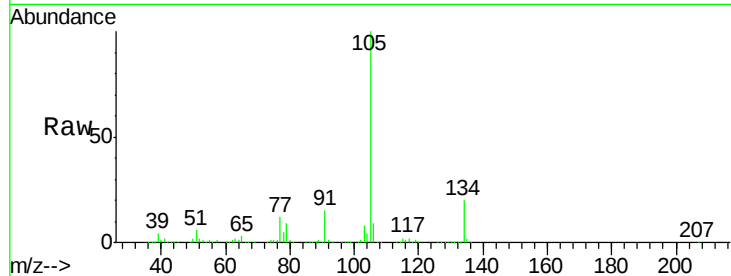
134 19.7 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1000000

800000

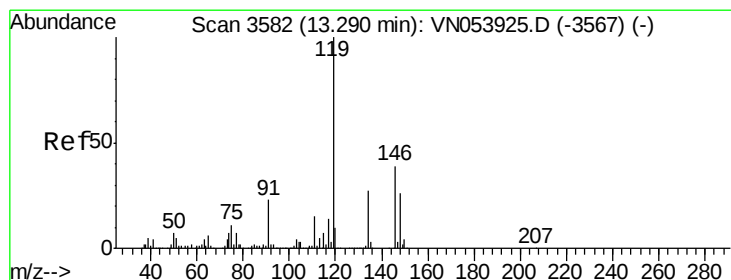
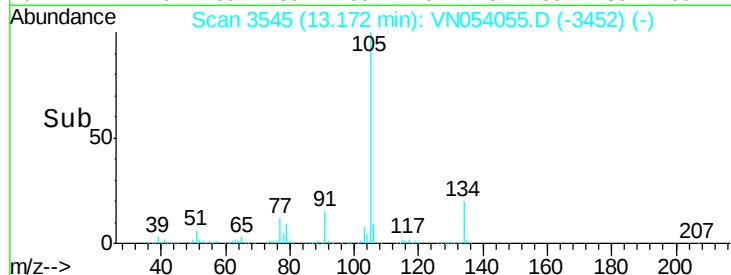
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.578 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

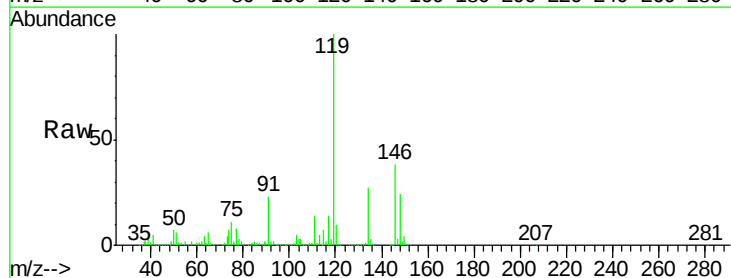
Tgt Ion:119 Resp: 1317759

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.7 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

1000000

800000

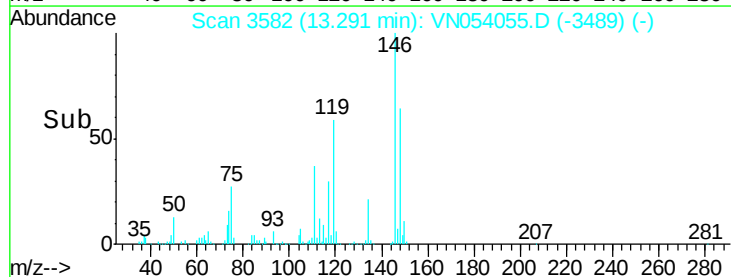
600000

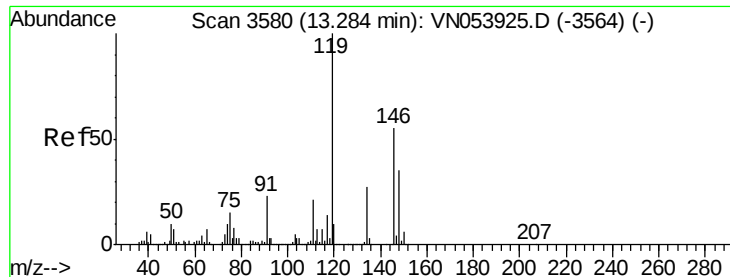
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.130 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Instrument :

MSVOA_N

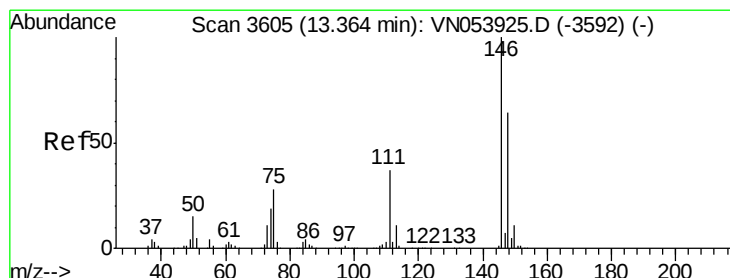
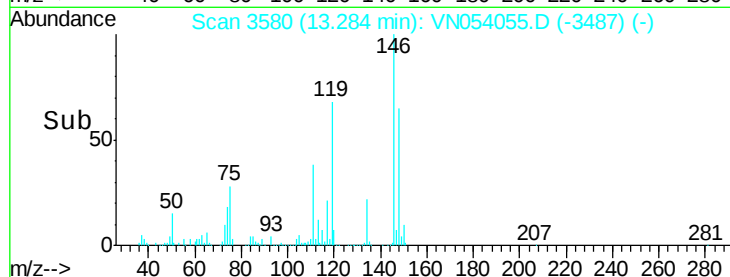
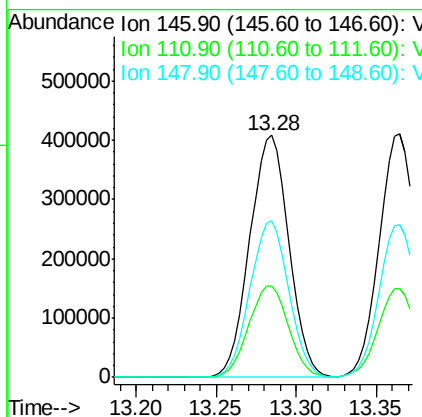
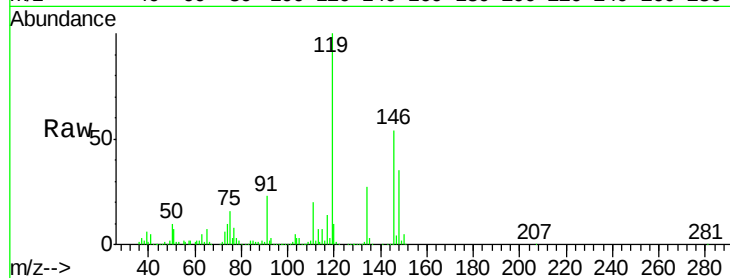
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	685903
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.7	56.1
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.577 ug/l

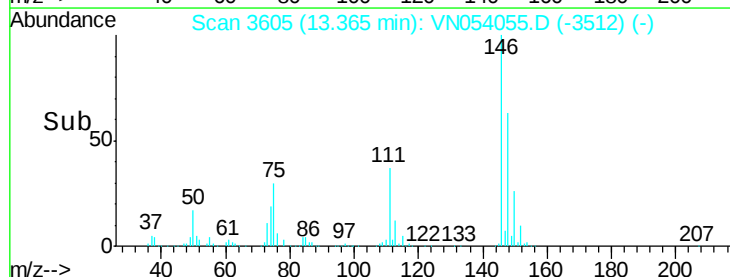
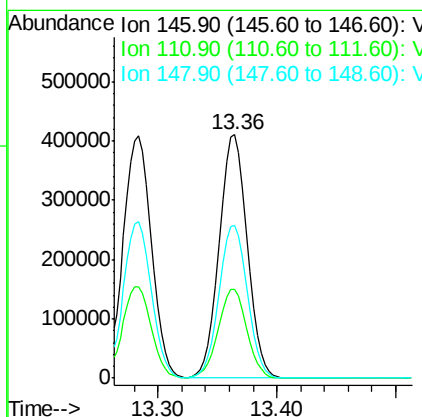
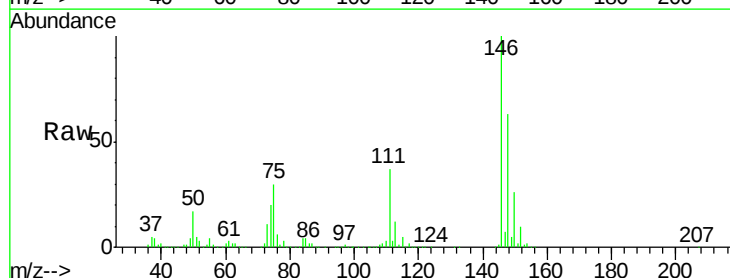
RT: 13.36 min Scan# 3605

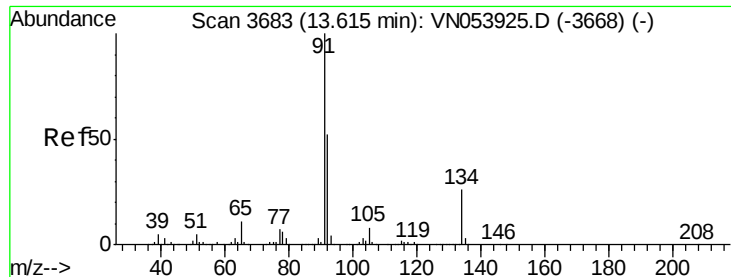
Delta R.T. 0.00 min

Lab File: VN054055.D

Acq: 2 Mar 2019 2:50

Tgt Ion:	146	Resp:	671627
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.0	54.0
148	63.5	32.1	96.5





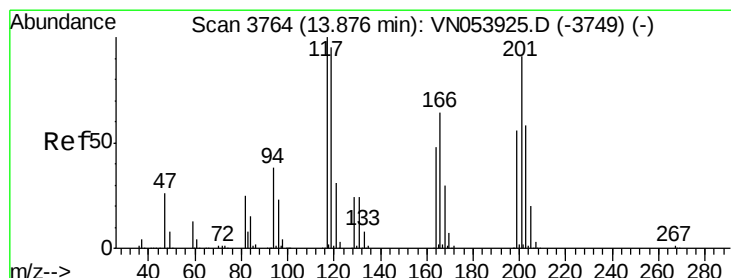
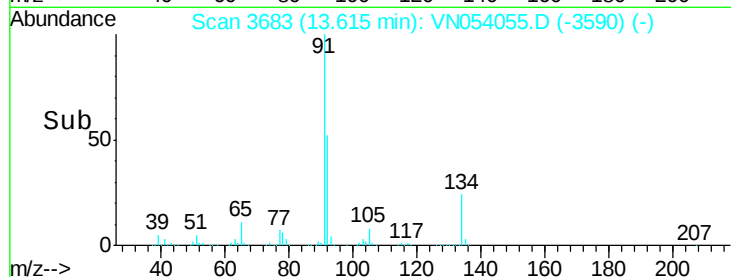
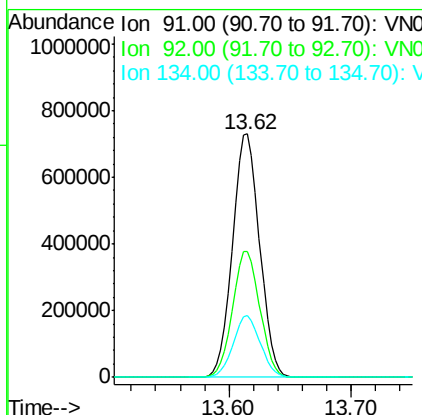
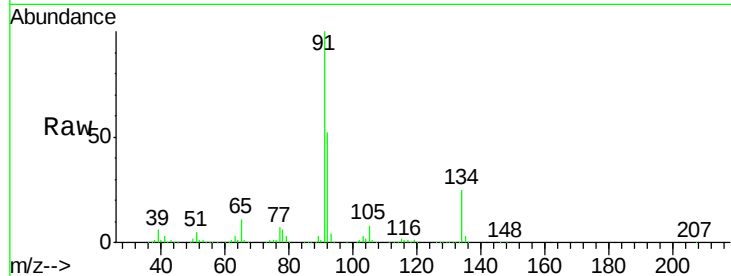
#89
n-Butylbenzene
Concen: 49.333 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1127829
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 25.4 13.6 40.8

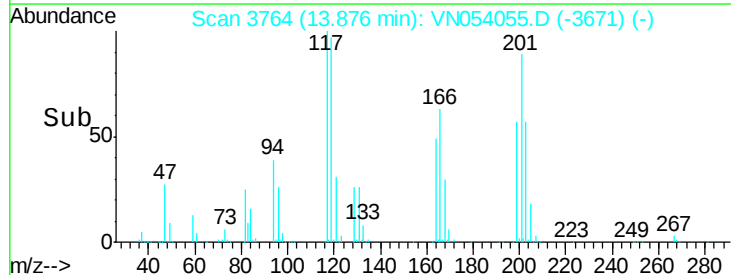
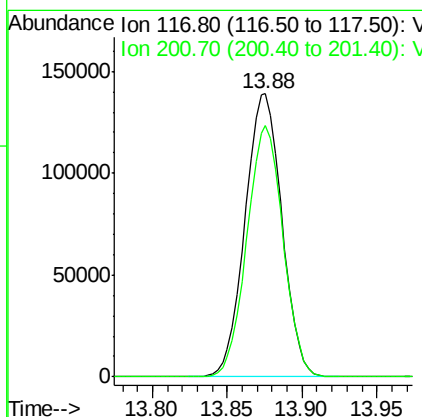
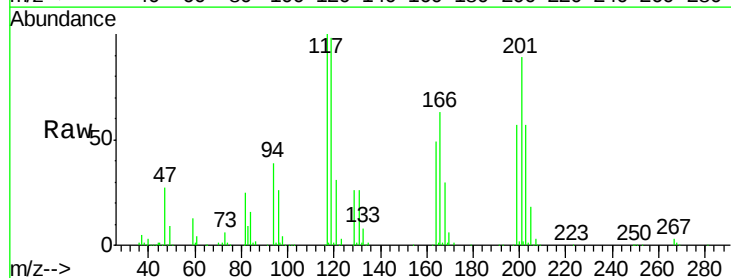
Manual Integrations
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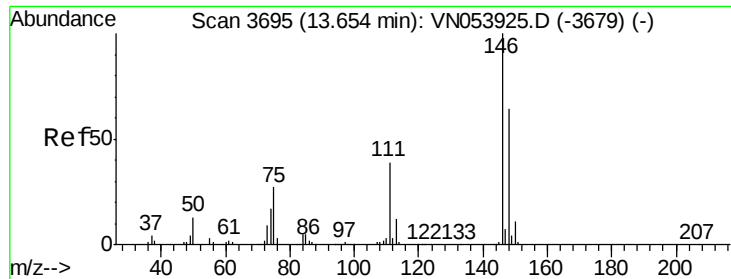
MMDadoda
3/4/2019 1:54:25 PM



#90
Hexachloroethane
Concen: 45.299 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion: 117 Resp: 238123
Ion Ratio Lower Upper
117 100
201 87.0 48.0 144.2





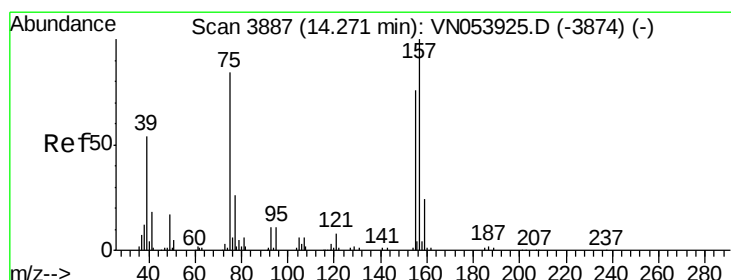
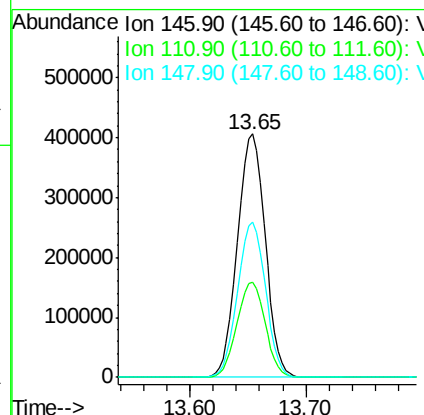
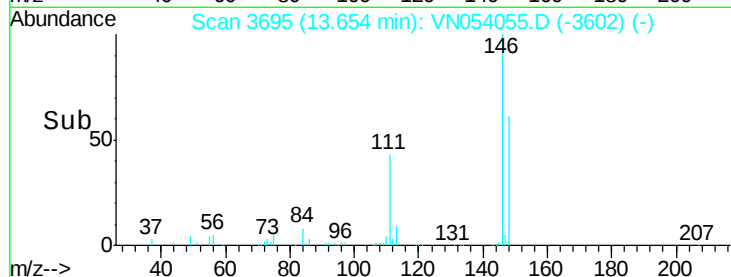
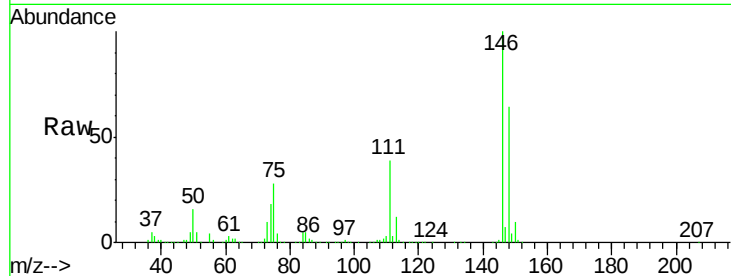
#91
 1,2-Dichlorobenzene
 Concen: 48.836 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.5
148	63.9	32.1	96.5

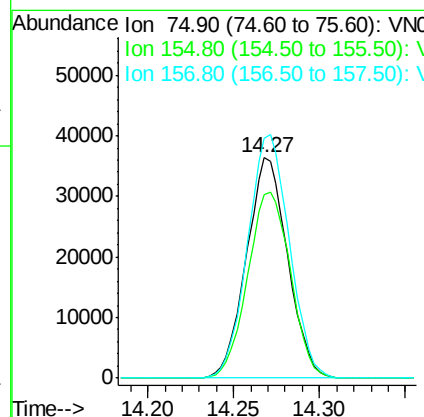
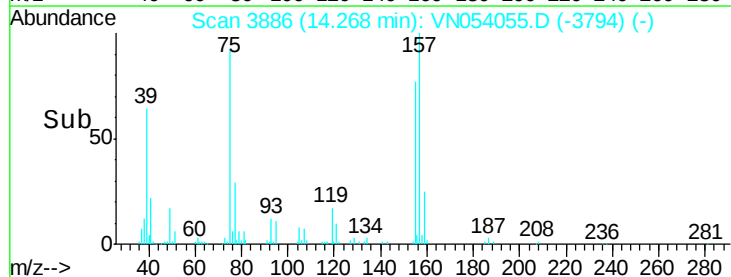
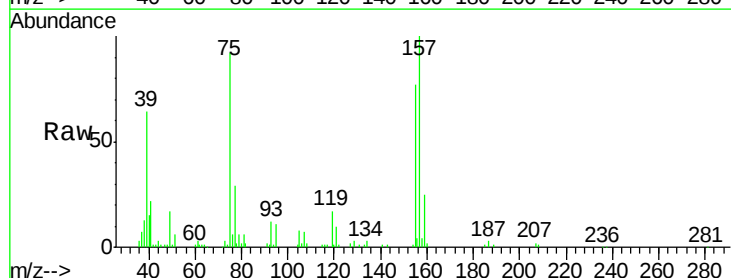
Manual Integrations
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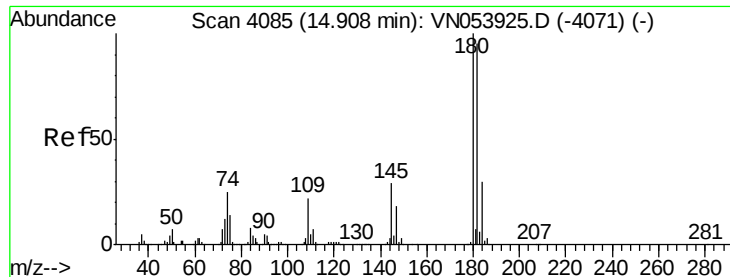
MMDadoda
 3/4/2019 1:54:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.725 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	49.5	148.5
157	111.6	64.8	194.6





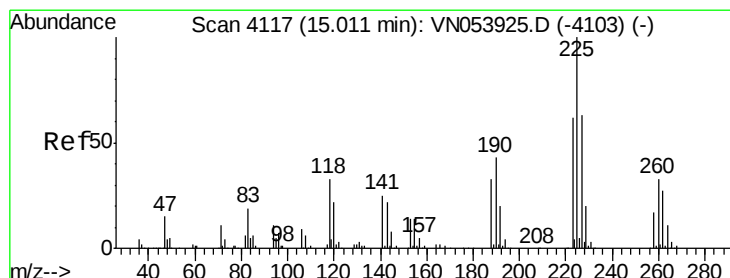
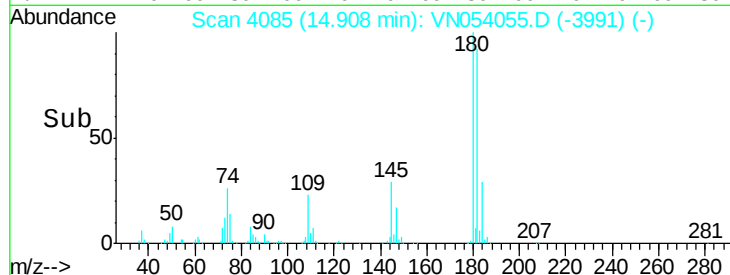
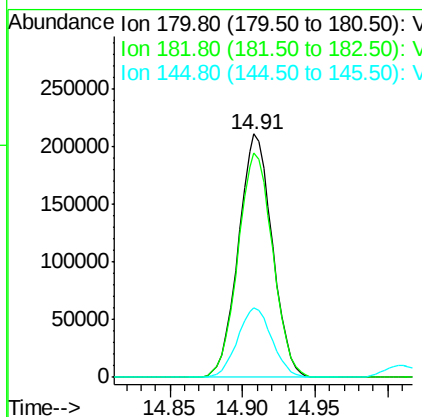
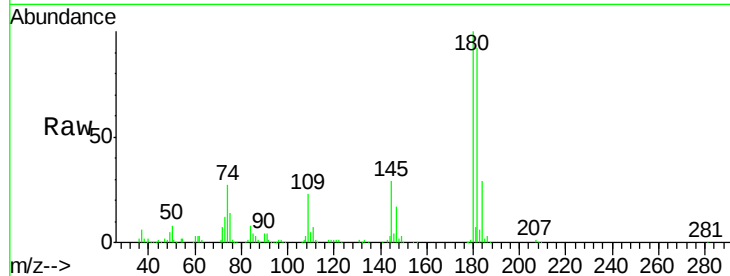
#93
 1,2,4-Trichlorobenzene
 Concen: 44.831 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	341633		
182	94.5	48.6	145.9	
145	29.0	13.8	41.3	

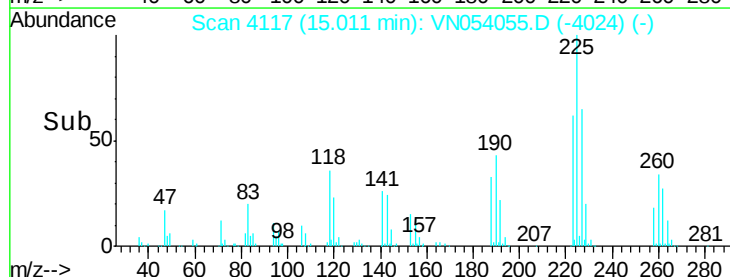
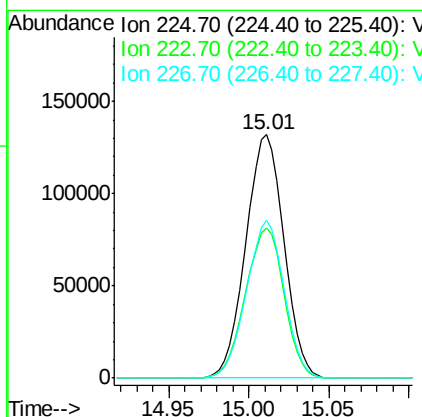
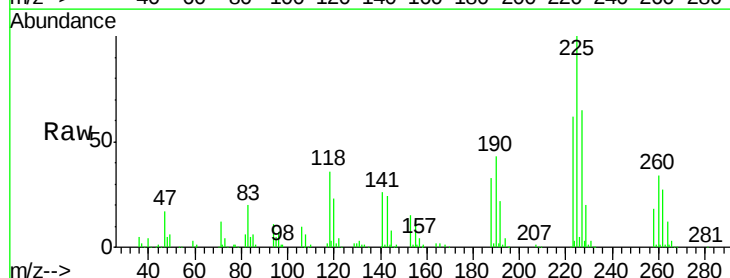
Manual Integrations
 APPROVED

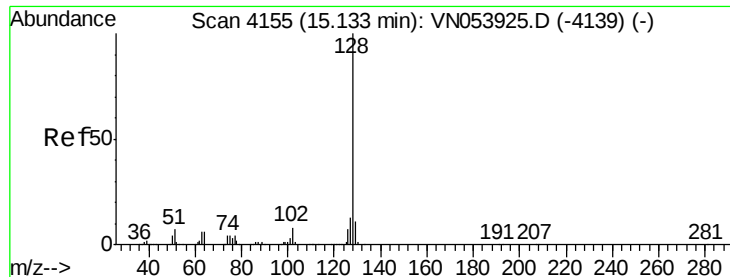
MMDadoda
 3/4/2019 1:54:25 PM



#94
 Hexachlorobutadiene
 Concen: 43.201 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054055.D
 Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215282		
223	62.5	30.9	92.5	
227	63.8	32.5	97.4	





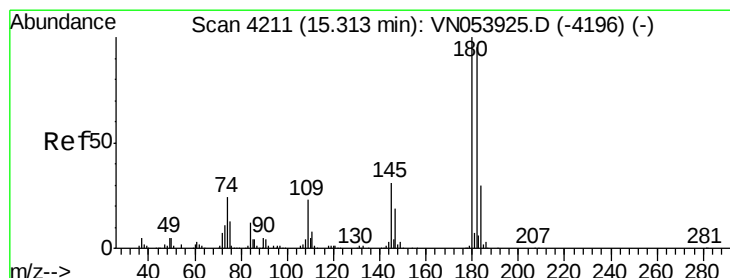
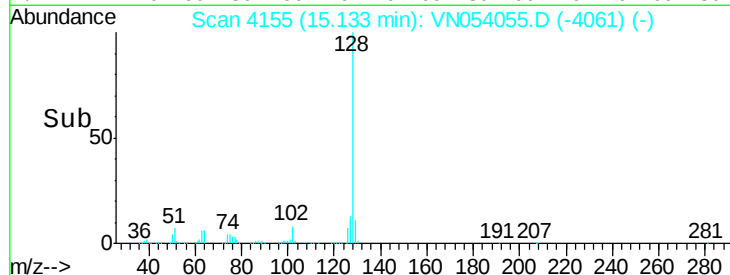
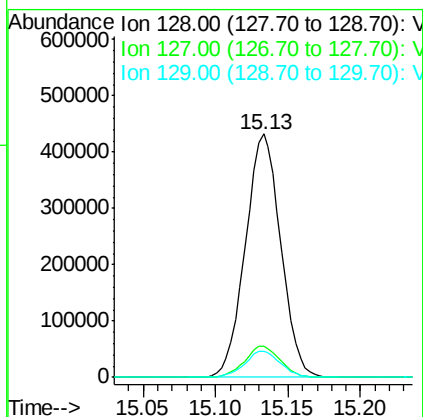
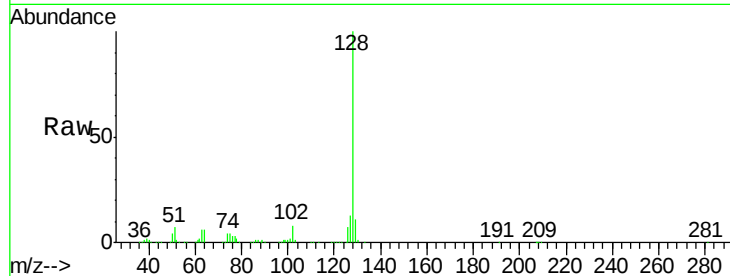
#95
Naphthalene
Concen: 44.831 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/4/2019 1:54:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.476 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054055.D
Acq: 2 Mar 2019 2:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	30.3	14.4	43.0

