

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054175.D
 Acq On : 12 Mar 2019 20:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:42:15 AM

Quant Time: Mar 13 08:09:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1509460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2308285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2051827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1031992	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	802606	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	730098	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.09	98	2686014	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.40	95	969360	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	733806	51.294	ug/l	100
3) Chloromethane	2.06	50	691496	49.761	ug/l	99
4) Vinyl Chloride	2.19	62	780030	49.111	ug/l	100
5) Bromomethane	2.57	94	520278	47.296	ug/l	97
6) Chloroethane	2.71	64	452603	47.097	ug/l	100
7) Trichlorofluoromethane	3.02	101	1001330	47.418	ug/l	99
8) Diethyl Ether	3.41	74	495963	51.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	811132	51.259	ug/l	99
10) Methyl Iodide	3.94	142	1054772	47.027	ug/l	100
11) Tert butyl alcohol	4.81	59	268208	244.056	ug/l	98
12) 1,1-Dichloroethene	3.73	96	799821	51.004	ug/l	99
13) Acrolein	3.61	56	241815	232.211	ug/l	99
14) Allyl chloride	4.32	41	1030613	51.223	ug/l	99
15) Acrylonitrile	4.99	53	1161106	257.212	ug/l	100
16) Acetone	3.82	43	959376	209.019	ug/l	98
17) Carbon Disulfide	4.04	76	1988732	50.589	ug/l	99
18) Methyl Acetate	4.33	43	497236	53.546	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	2018805	51.937	ug/l	99
20) Methylene Chloride	4.54	84	766500	50.859	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	765507	50.949	ug/l	99
22) Diisopropyl ether	5.96	45	2066602	51.464	ug/l	99
23) Vinyl Acetate	5.90	43	7893315	266.600	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1316643	51.065	ug/l	99
25) 2-Butanone	6.84	43	1342032	249.118	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1103878	48.685	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	877693	52.362	ug/l	99
28) Bromochloromethane	7.19	49	531027	50.379	ug/l	99
29) Tetrahydrofuran	7.22	42	886683	255.991	ug/l	100
30) Chloroform	7.37	83	1400875	52.068	ug/l	99
31) Cyclohexane	7.65	56	1203917	49.942	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1261945	51.935	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1083260	50.959	ug/l	99
37) Ethyl Acetate	6.94	43	622286	50.948	ug/l	100
38) Carbon Tetrachloride	7.77	117	1121851	50.325	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1315243	50.287	ug/l	99
40) Benzene	8.04	78	3096973	50.912	ug/l	99
41) Methacrylonitrile	7.17	41	348324	49.946	ug/l	98
42) 1,2-Dichloroethane	8.12	62	1046965	50.979	ug/l	100
43) Isopropyl Acetate	8.17	43	1093686	51.013	ug/l	98
44) Trichloroethene	8.83	130	951651	50.361	ug/l	99
45) 1,2-Dichloropropane	9.12	63	781013	51.707	ug/l	100
46) Dibromomethane	9.21	93	522772	51.224	ug/l	98
47) Bromodichloromethane	9.40	83	1059200	51.771	ug/l	98
48) Methyl methacrylate	9.20	41	573239	52.687	ug/l	100
49) 1,4-Dioxane	9.20	88	160657	1043.922	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2965897	261.409	ug/l	100
52) Toluene	10.16	92	1975024	51.206	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1099069	47.088	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1246304	52.274	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	713890	50.690	ug/l	99
56) Ethyl methacrylate	10.43	69	885176	52.712	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1182221	51.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1683625	232.368	ug/l	100
59) 2-Hexanone	10.75	43	1874482	248.293	ug/l	99
60) Dibromochloromethane	10.90	129	832126	52.494	ug/l	100
61) 1,2-Dibromoethane	11.01	107	745968	52.122	ug/l	99
64) Tetrachloroethene	10.63	164	970442	48.918	ug/l	98
65) Chlorobenzene	11.43	112	2281189	50.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	838869	51.256	ug/l	98
67) Ethyl Benzene	11.51	91	3747340	50.177	ug/l	100
68) m/p-Xylenes	11.62	106	2973493	101.869	ug/l	100
69) o-Xylene	11.95	106	1448541	50.907	ug/l	100
70) Styrene	11.96	104	2327213	52.149	ug/l	99
71) Bromoform	12.13	173	576431	46.382	ug/l #	99
73) Isopropylbenzene	12.25	105	3867243	46.838	ug/l	100
74) N-amyl acetate	12.07	43	909545	49.629	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	831119	47.247	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	700269m	46.143	ug/l	
77) Bromobenzene	12.53	156	1038668	47.540	ug/l	99
78) n-propylbenzene	12.59	91	4281997	47.796	ug/l	100
79) 2-Chlorotoluene	12.67	91	2542916	47.207	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3246233	47.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	210181	47.344	ug/l	98
82) 4-Chlorotoluene	12.77	91	2577655	47.922	ug/l	99
83) tert-Butylbenzene	12.99	119	2968171	46.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3283507	48.734	ug/l	99
85) sec-Butylbenzene	13.17	105	3876140	47.282	ug/l	100
86) p-Isopropyltoluene	13.29	119	3465356	48.183	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1825100	49.575	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1781316	49.254	ug/l	100
89) n-Butylbenzene	13.61	91	2809928	51.421	ug/l	100
90) Hexachloroethane	13.88	117	571486	47.988	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1779556	49.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134327	49.347	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1021306	47.155	ug/l	99
94) Hexachlorobutadiene	15.01	225	653898	47.700	ug/l	99
95) Naphthalene	15.13	128	2012996	44.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1011766	52.910	ug/l	99

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

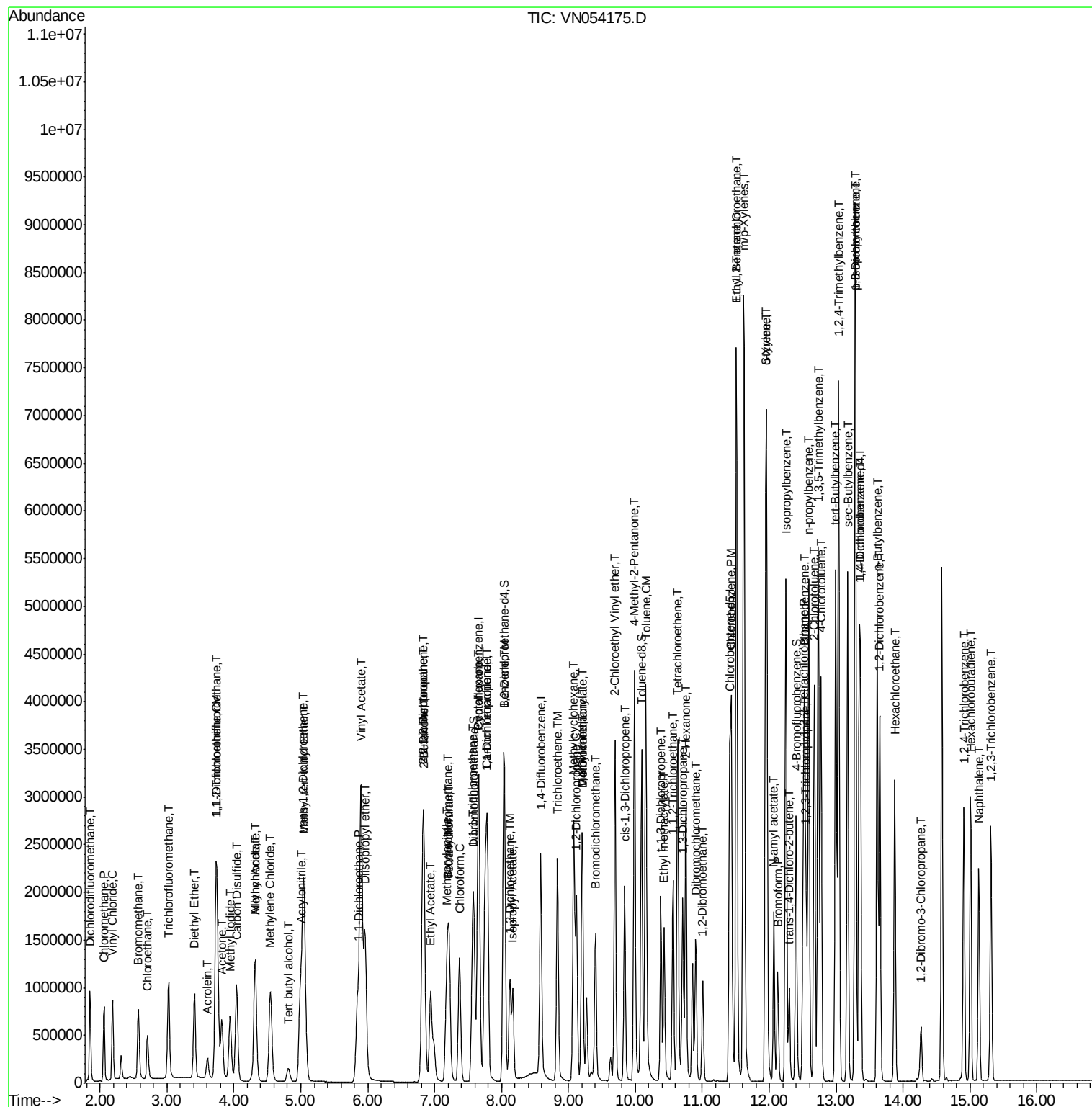
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
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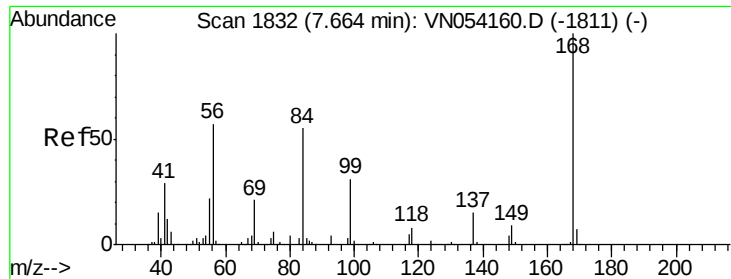
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1509460

Ion Ratio Lower Upper

168 100

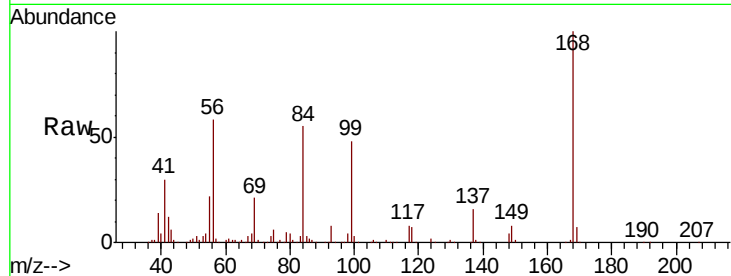
99 47.2 37.1 55.7

Manual Integrations

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3/13/2019 11:42:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

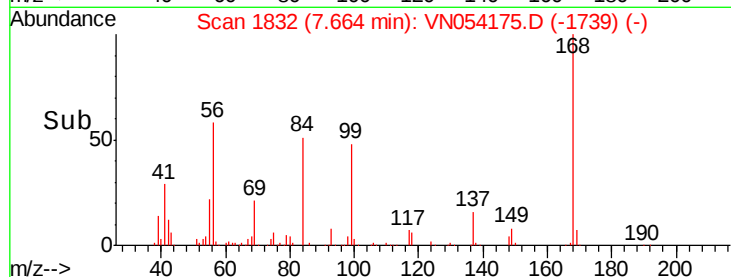
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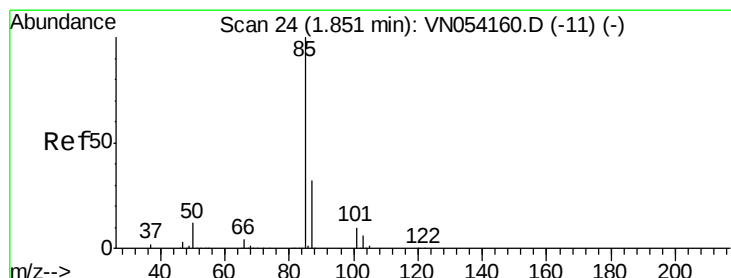
200000

0

7.50 7.60 7.70 7.80



Time-->



#2

Dichlorodifluoromethane

Concen: 51.294 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054175.D

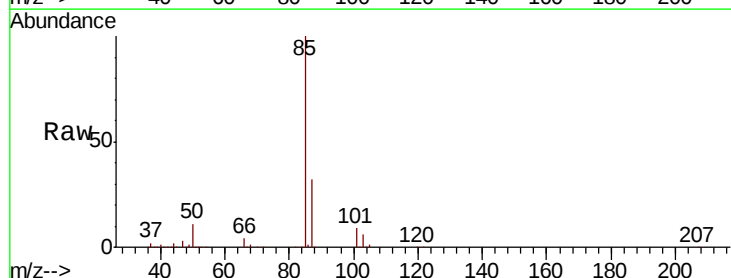
Acq: 12 Mar 2019 20:27

Tgt Ion: 85 Resp: 733806

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

500000

400000

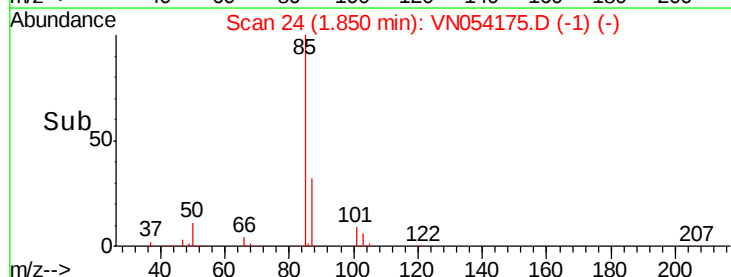
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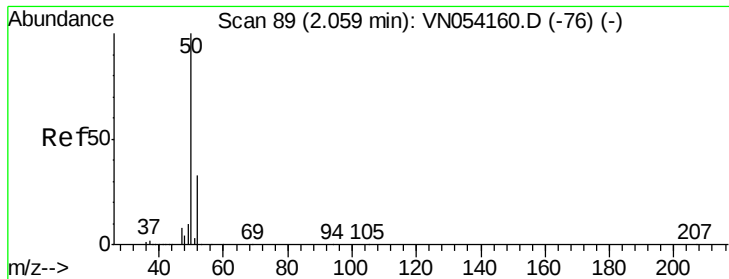
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1.80 1.90 2.00



Time-->



#3

Chloromethane

Concen: 49.761 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 691496

Ion Ratio Lower Upper

50 100

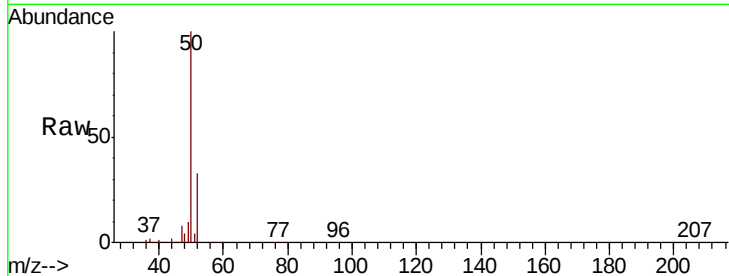
52 32.7 26.4 39.6

Manual Integrations

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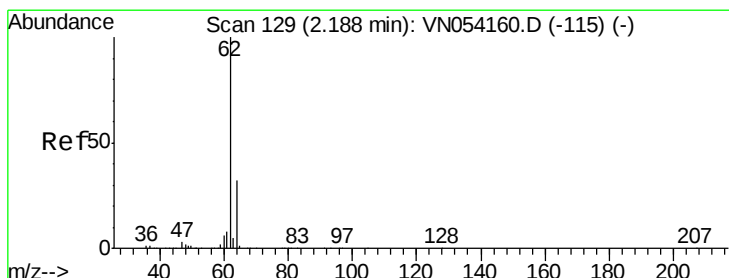
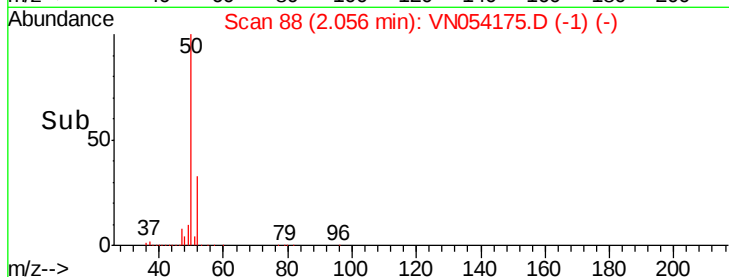
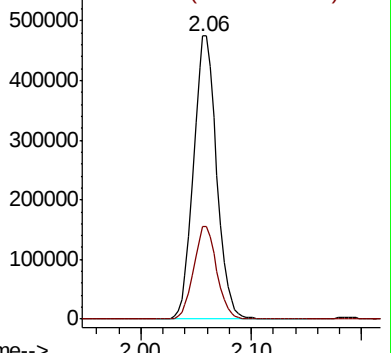
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3/13/2019 11:42:15 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.111 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054175.D

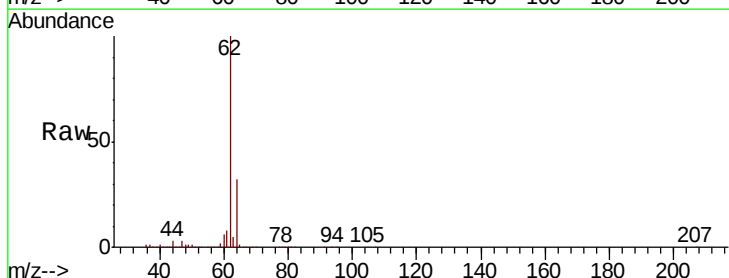
Acq: 12 Mar 2019 20:27

Tgt Ion: 62 Resp: 780030

Ion Ratio Lower Upper

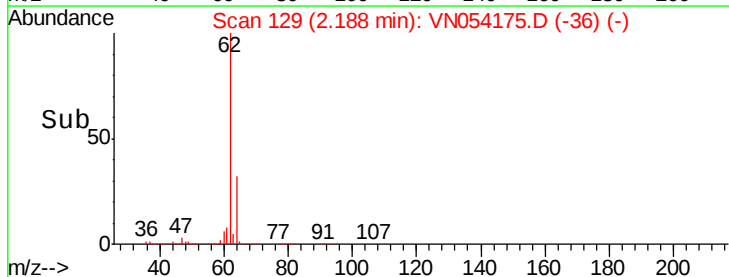
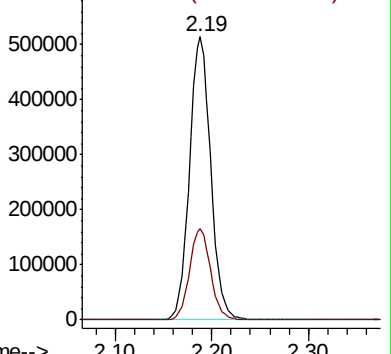
62 100

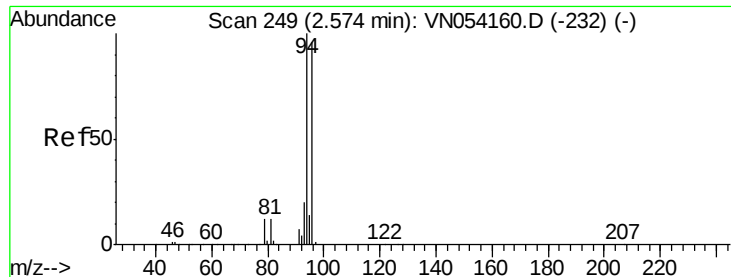
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.296 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

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Acq: 12 Mar 2019 20:27

Instrument :

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Tgt Ion: 94 Resp: 520278

Ion Ratio Lower Upper

94 100

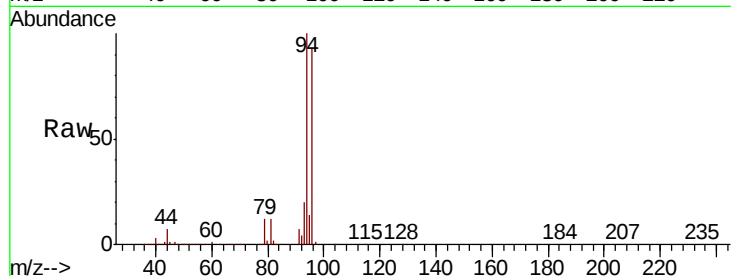
96 93.0 77.0 115.4

Manual Integrations

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3/13/2019 11:42:15 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

250000

200000

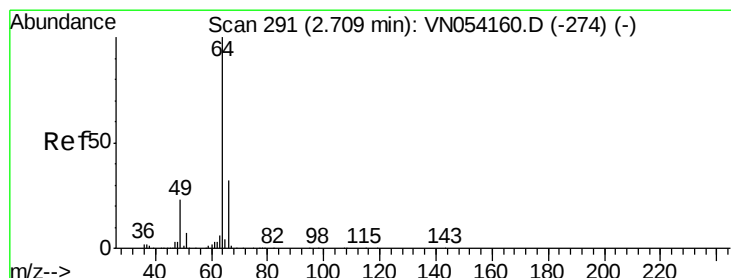
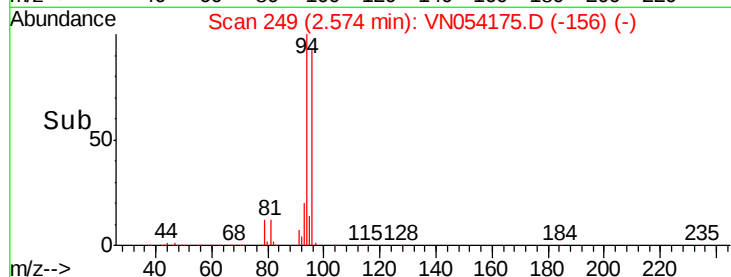
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100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.097 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054175.D

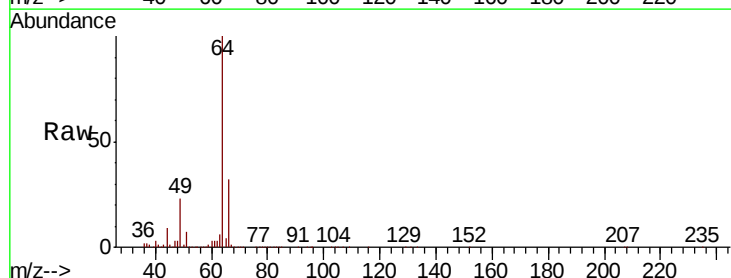
Acq: 12 Mar 2019 20:27

Tgt Ion: 64 Resp: 452603

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

250000

200000

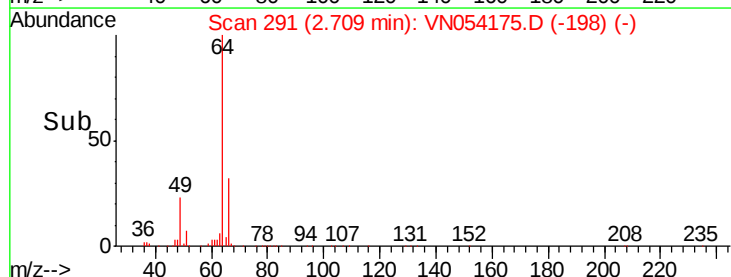
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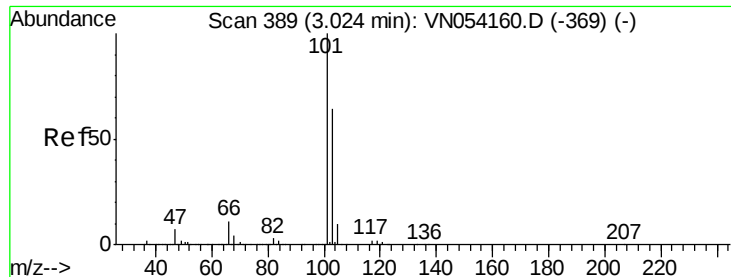
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50000

0

Time-->





#7

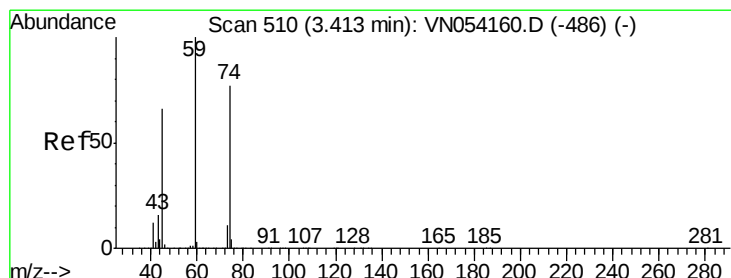
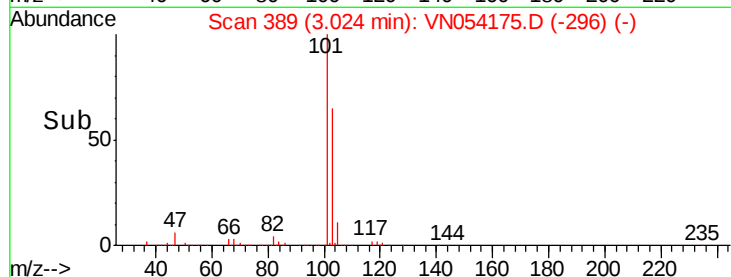
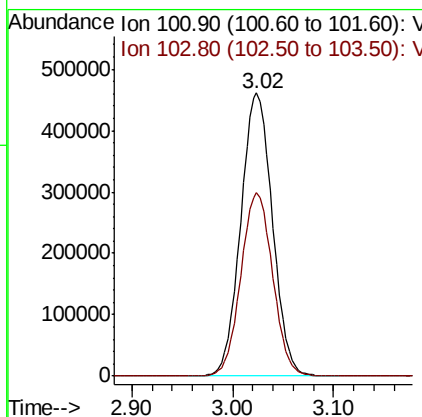
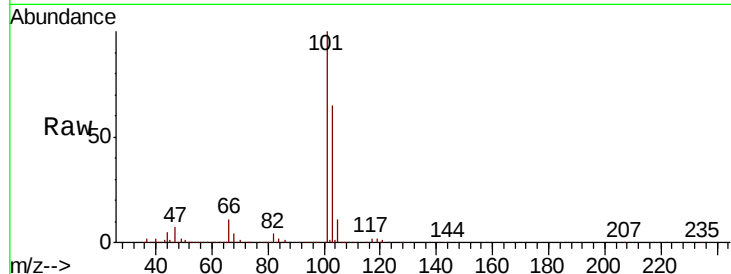
Trichlorofluoromethane
Concen: 47.418 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

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VSTDCCC050EC

Tgt Ion:101 Resp: 1001330
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

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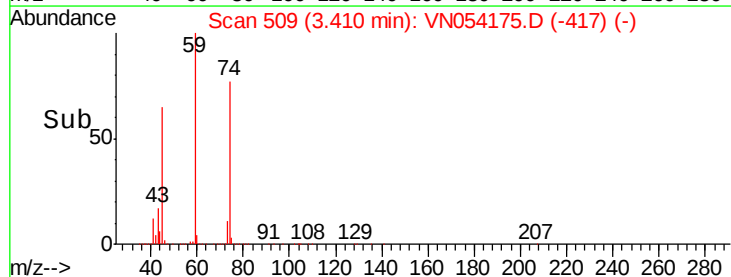
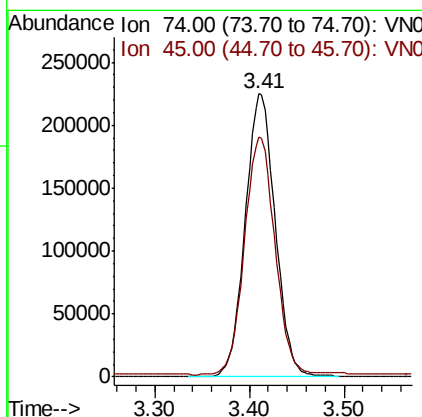
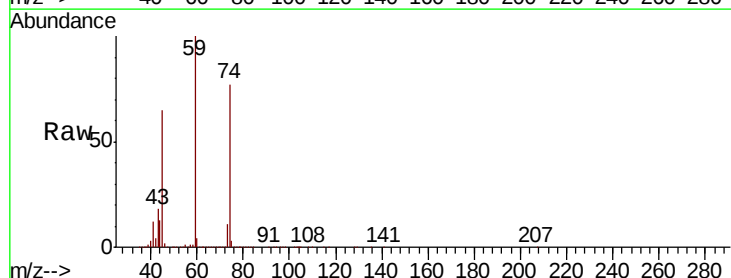
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3/13/2019 11:42:15 AM

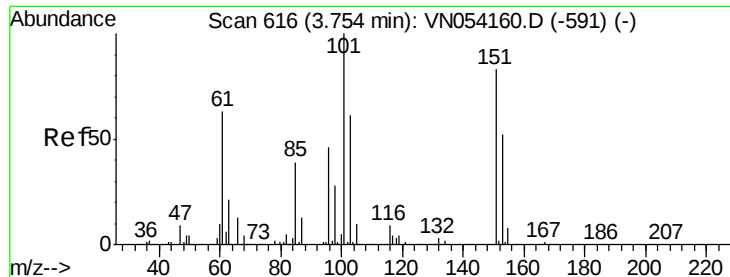


#8

Diethyl Ether
Concen: 51.539 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 74 Resp: 495963
Ion Ratio Lower Upper
74 100
45 85.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.259 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

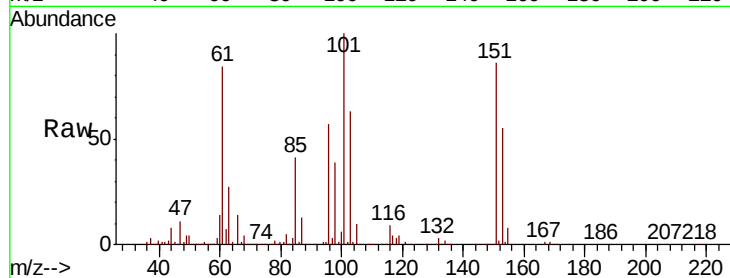
ClientSampleId :

VSTDCCC050EC

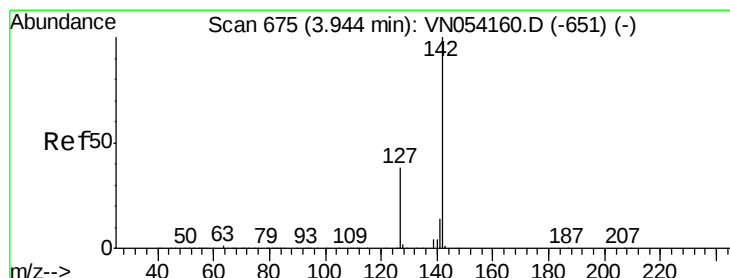
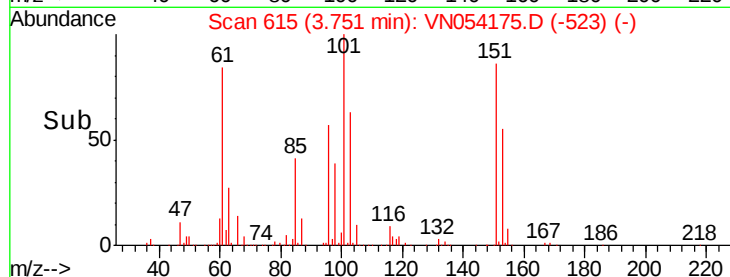
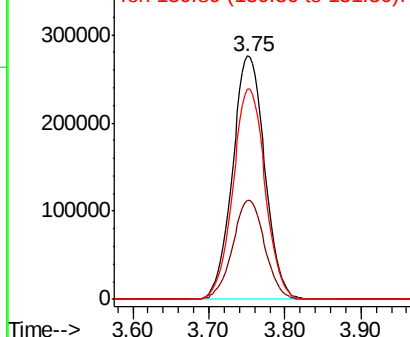
Tgt Ion:	101	Resp:	811132
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.4	48.6
151	86.3	68.2	102.2

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3/13/2019 11:42:15 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.027 ug/l

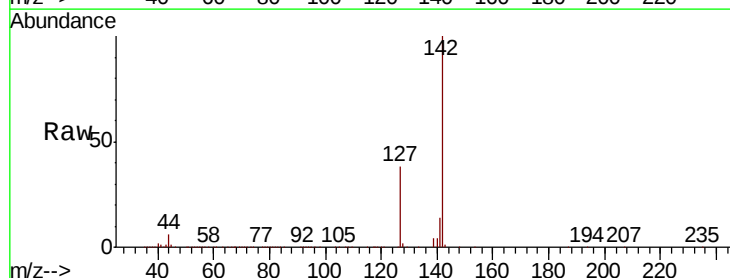
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

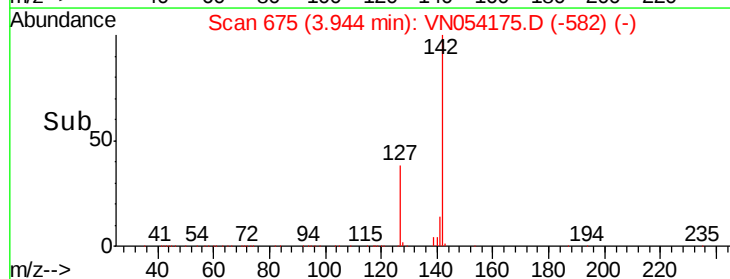
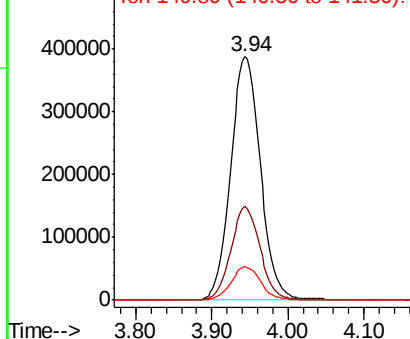
Lab File: VN054175.D

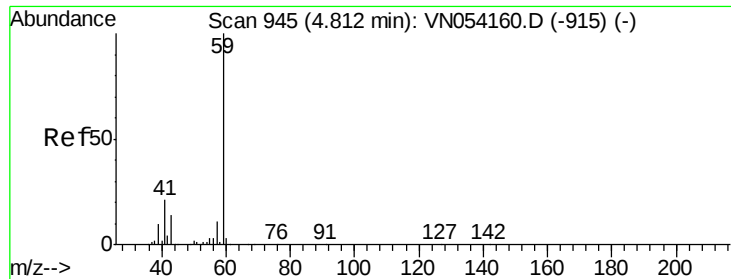
Acq: 12 Mar 2019 20:27

Tgt Ion:	142	Resp:	1054772
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5
141	13.7	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

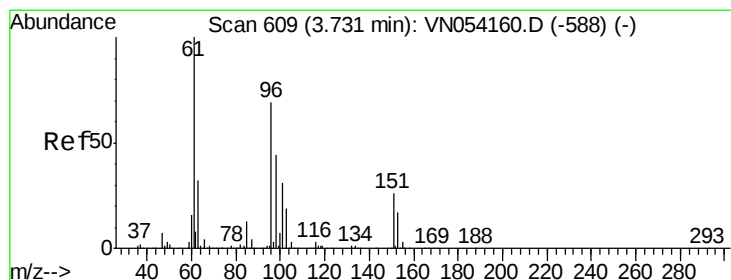
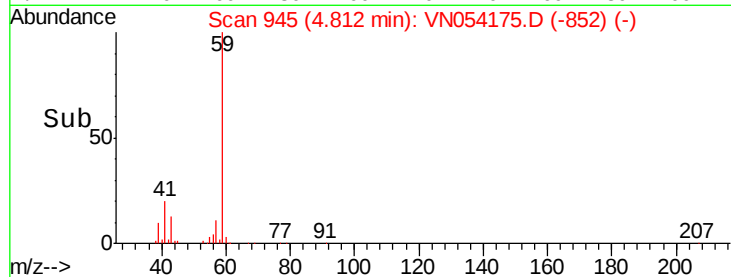
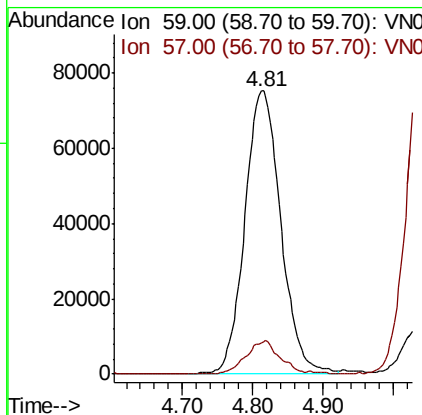
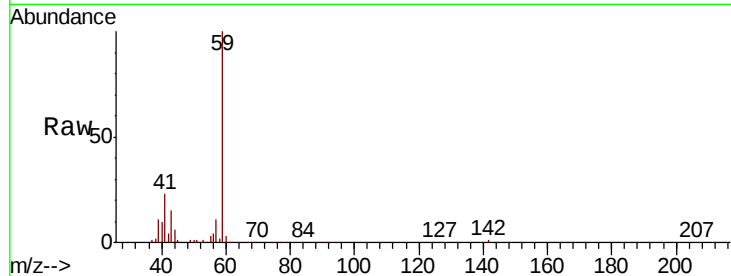
Tert butyl alcohol
 Concen: 244.056 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.0	13.6

Manual Integrations
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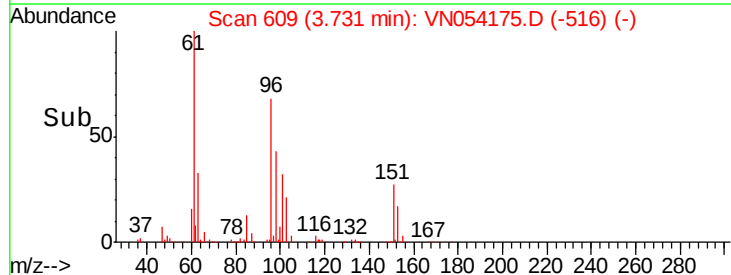
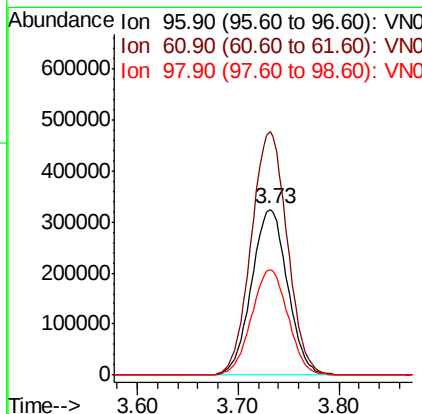
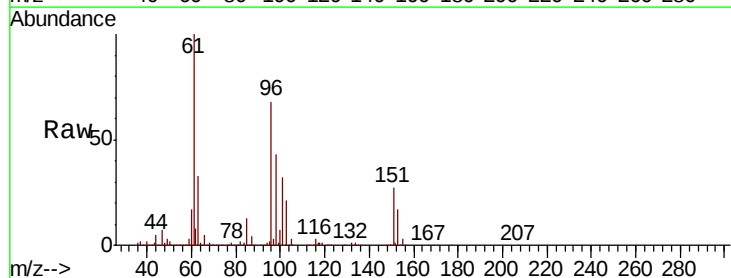
MMDadoda
 3/13/2019 11:42:15 AM

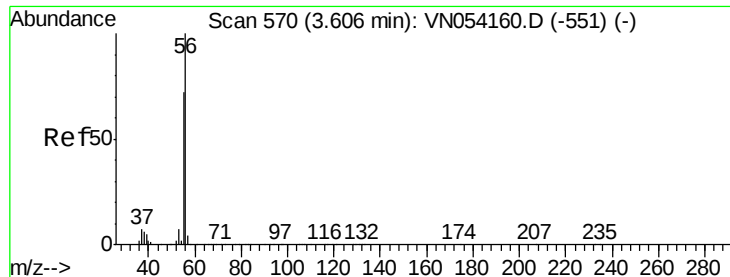


#12

1,1-Dichloroethene
 Concen: 51.004 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.9	116.5	174.7
98	63.9	51.0	76.4





#13

Acrolein

Concen: 232.211 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 241815

Ion Ratio Lower Upper

56 100

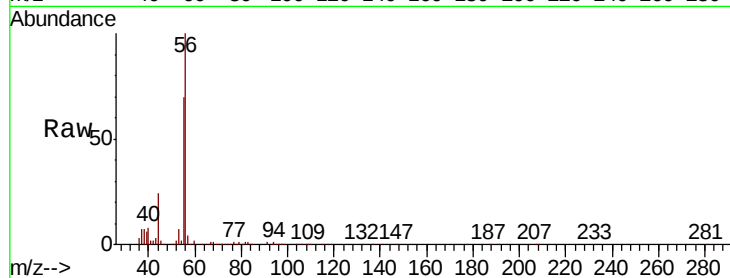
55 70.1 56.7 85.1

Manual Integrations

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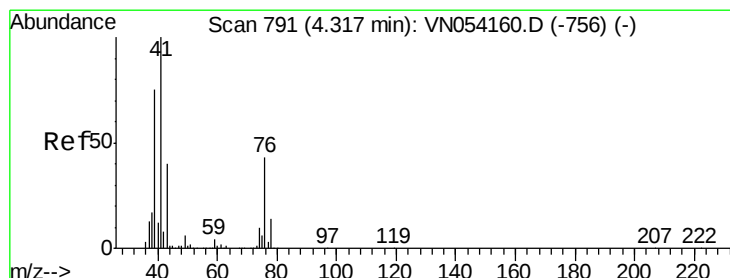
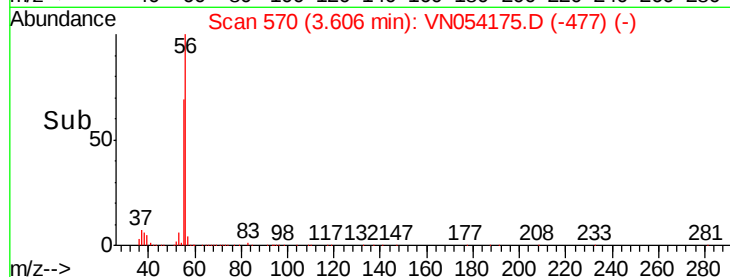
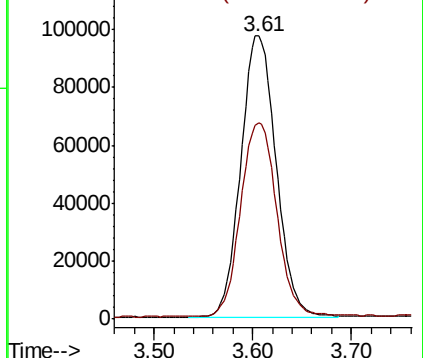
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.223 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

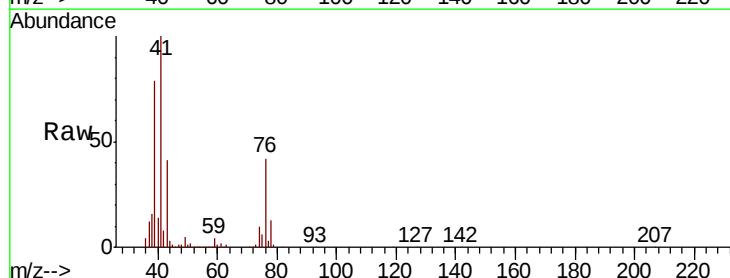
Tgt Ion: 41 Resp: 1030613

Ion Ratio Lower Upper

41 100

39 74.3 58.2 87.4

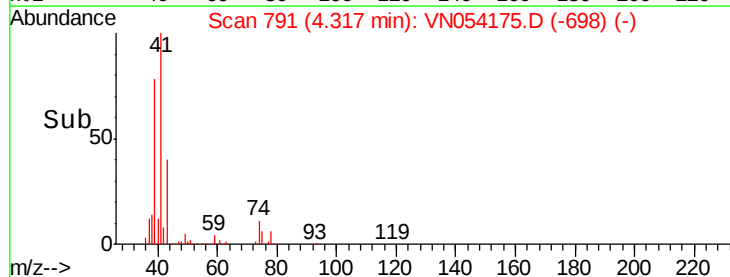
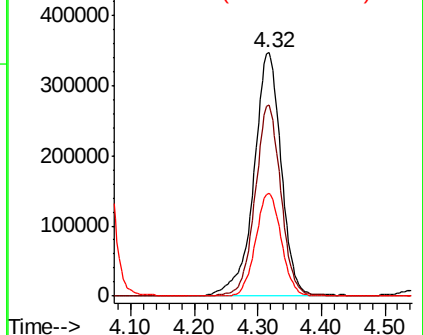
76 39.6 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





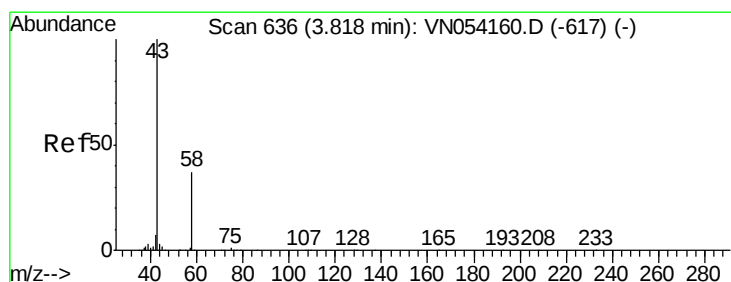
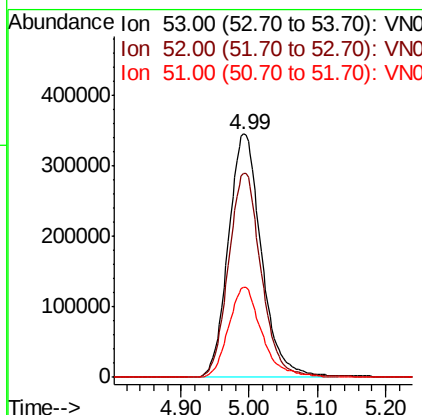
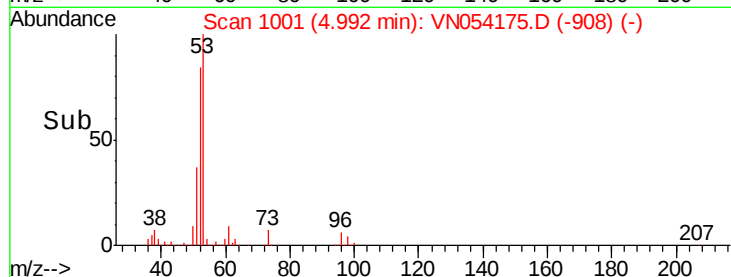
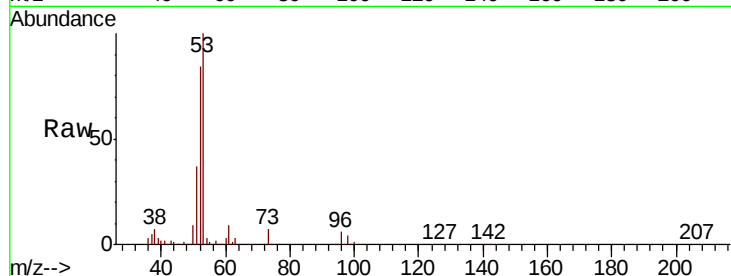
#15
Acrylonitrile
Concen: 257.212 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 1161106
Ion Ratio Lower Upper
53 100
52 83.0 66.4 99.6
51 37.3 29.6 44.4

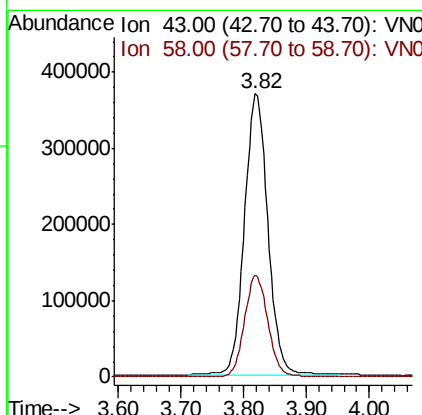
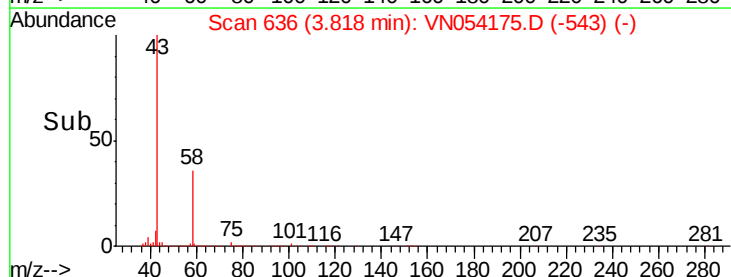
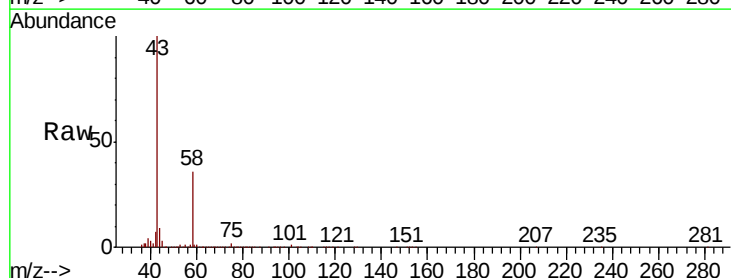
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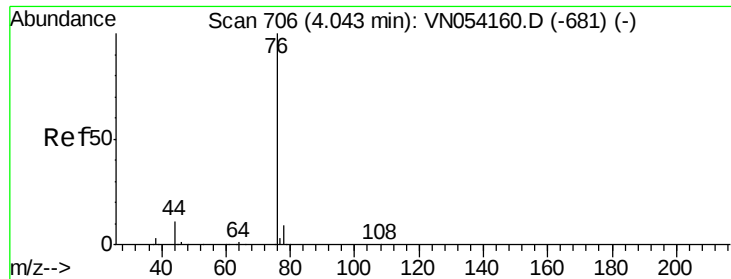
MMDadoda
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#16
Acetone
Concen: 209.019 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 43 Resp: 959376
Ion Ratio Lower Upper
43 100
58 36.1 29.9 44.9





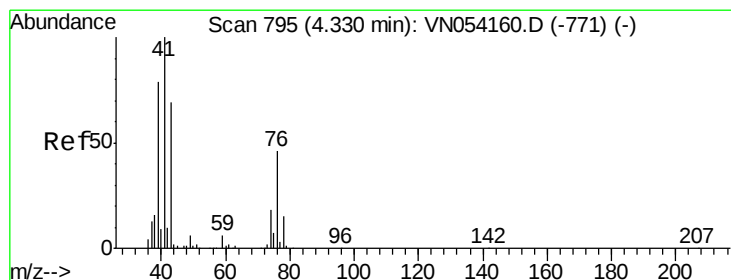
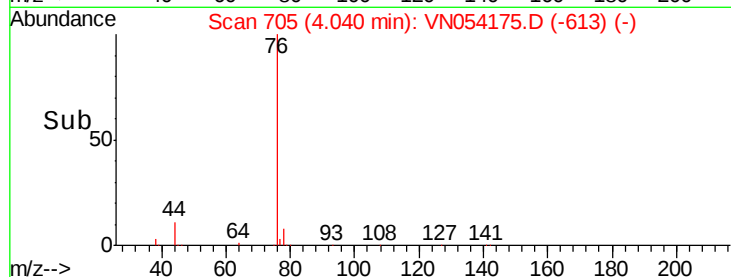
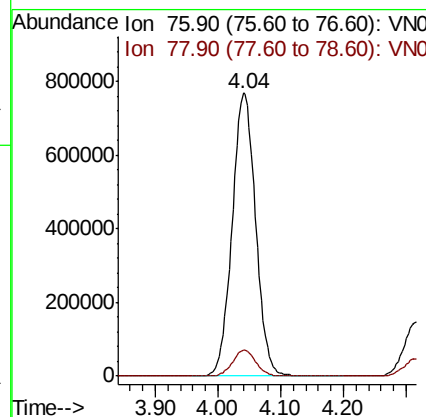
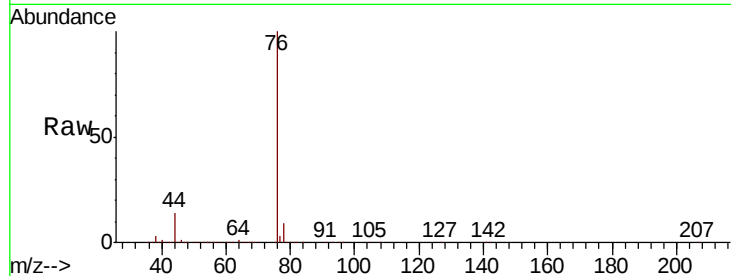
#17
Carbon Disulfide
Concen: 50.589 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1988732
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

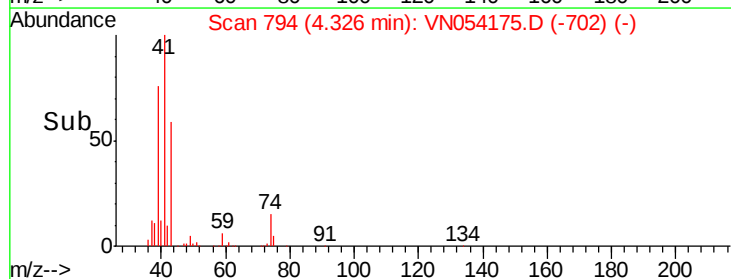
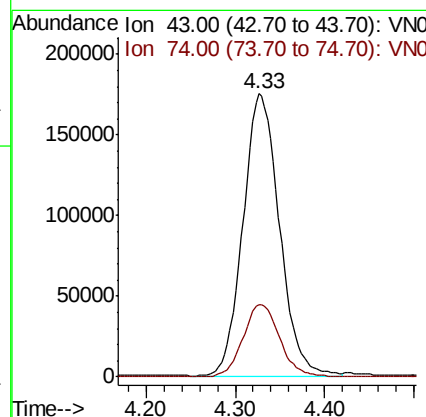
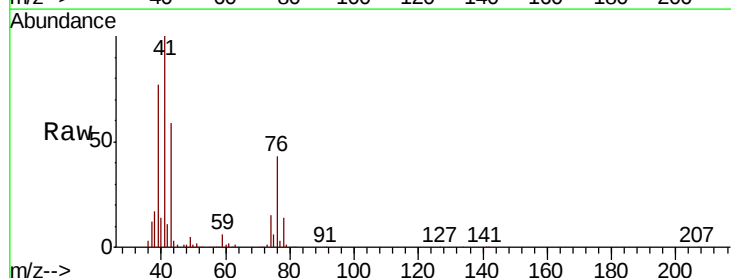
Manual Integrations
APPROVED

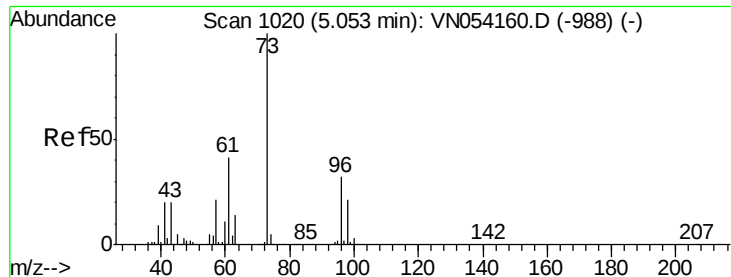
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#18
Methyl Acetate
Concen: 53.546 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 43 Resp: 497236
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2





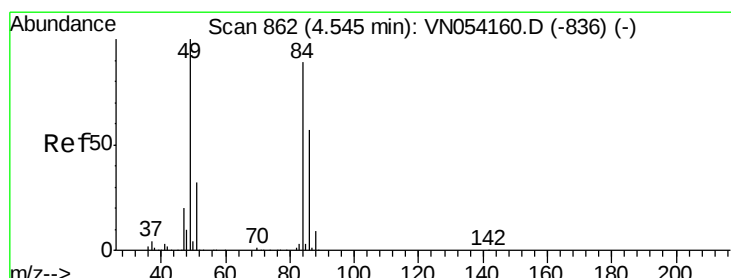
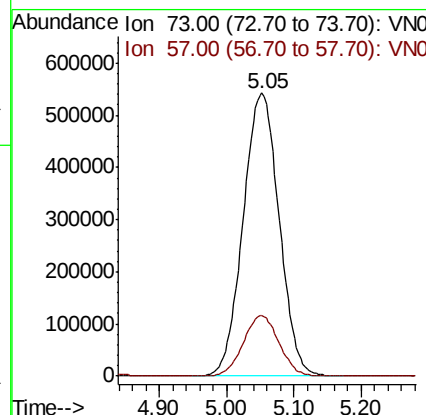
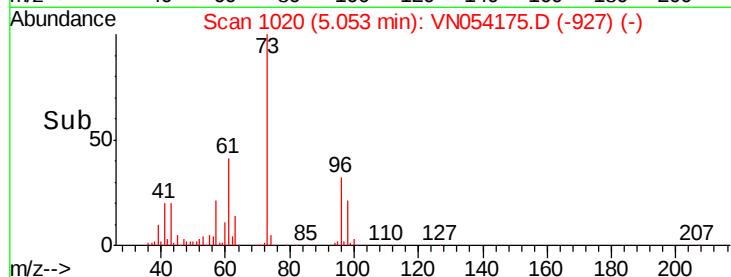
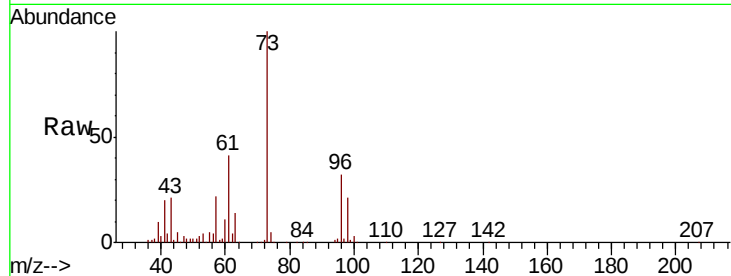
#19
Methyl tert-butyl Ether
Concen: 51.937 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 2018805
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2

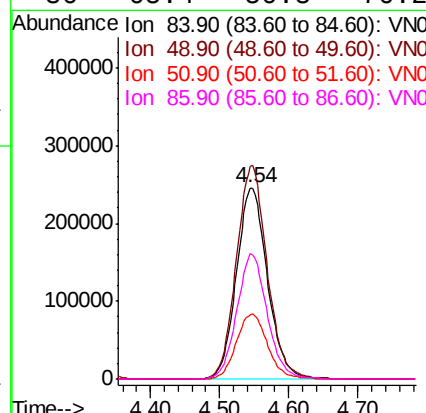
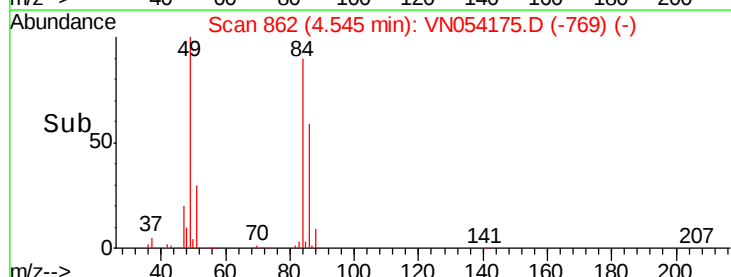
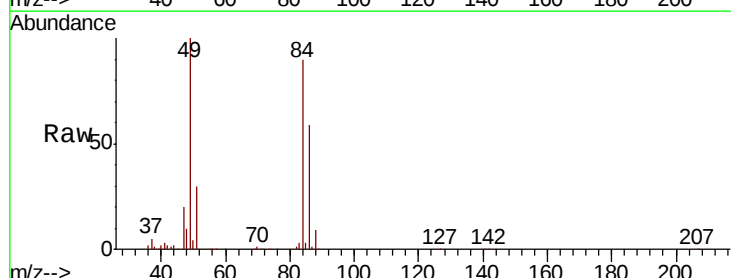
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#20
Methylene Chloride
Concen: 50.859 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 84 Resp: 766500
Ion Ratio Lower Upper
84 100
49 111.5 89.7 134.5
51 33.8 28.2 42.4
86 65.4 50.8 76.2





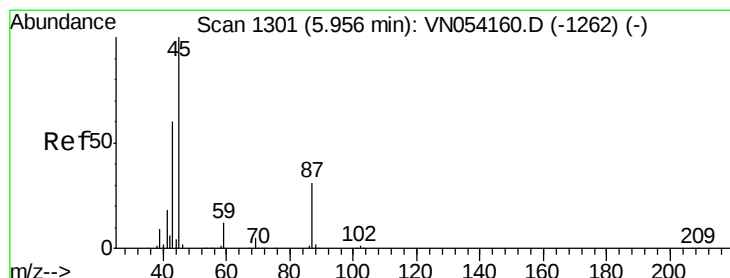
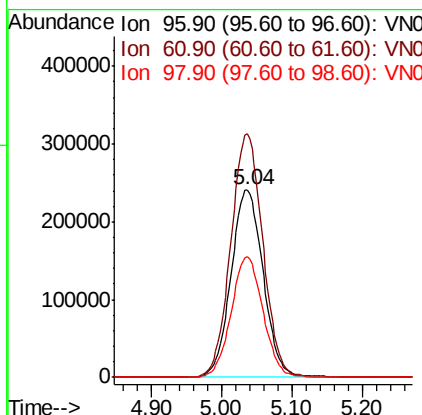
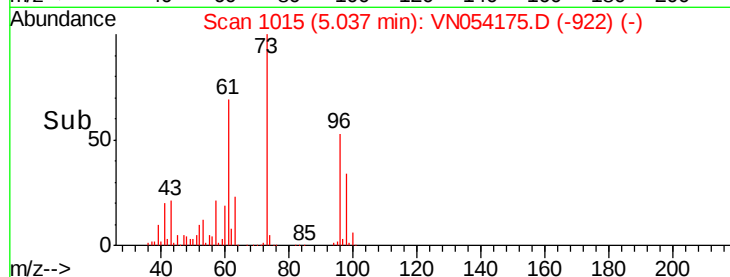
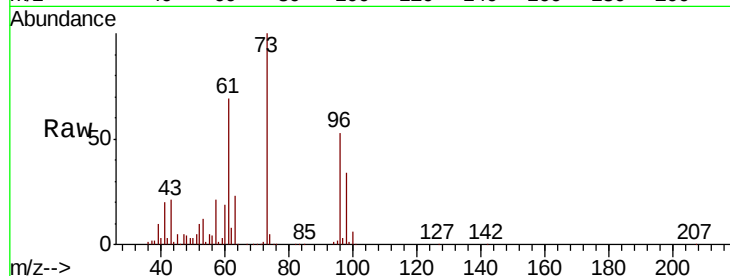
#21
trans-1,2-Dichloroethene
Concen: 50.949 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.7	102.8	154.2
98	64.3	50.0	75.0

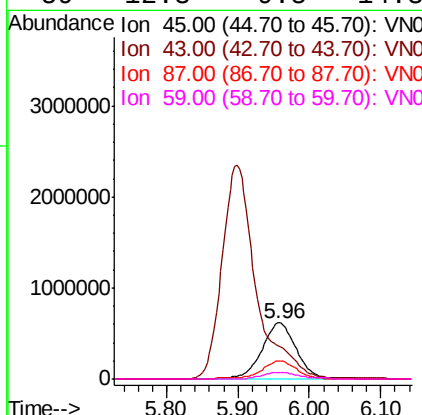
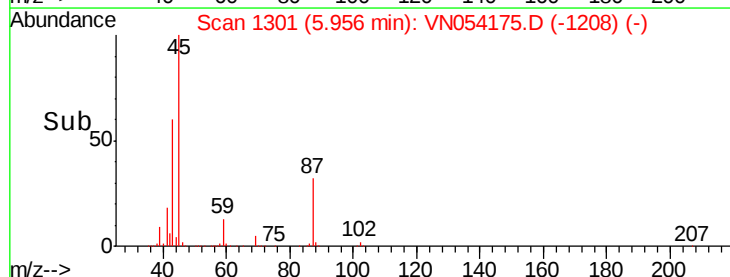
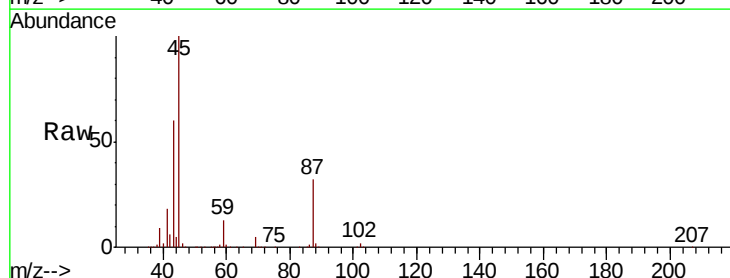
Manual Integrations
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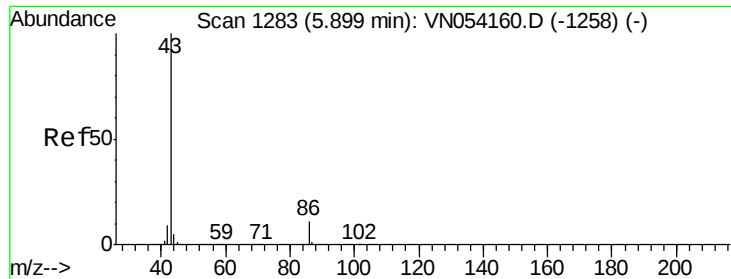
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#22
Diisopropyl ether
Concen: 51.464 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.2	72.2
87	31.7	24.9	37.3
59	12.3	9.5	14.3





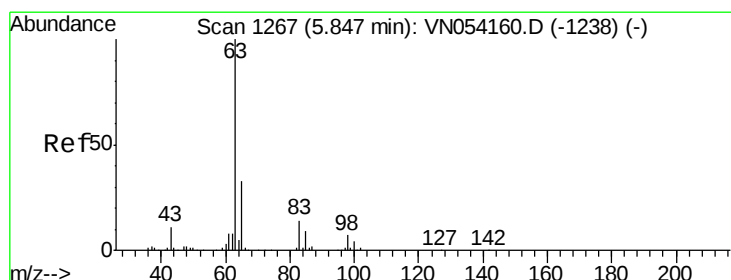
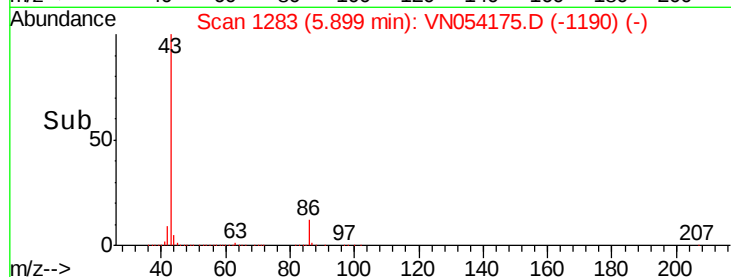
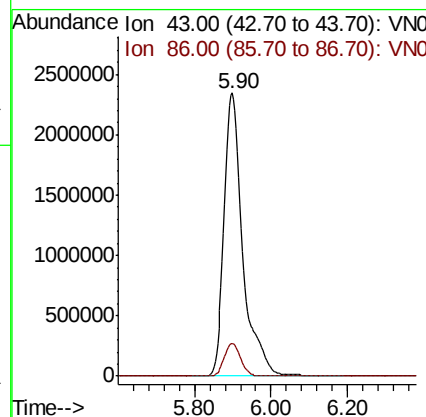
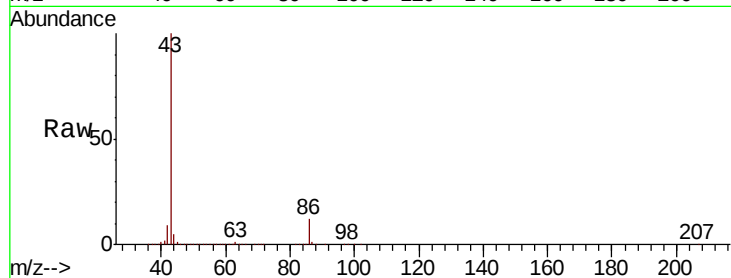
#23
 Vinyl Acetate
 Concen: 266.600 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 7893315
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.1 13.7

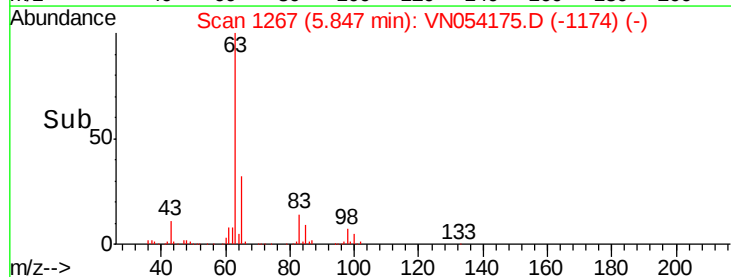
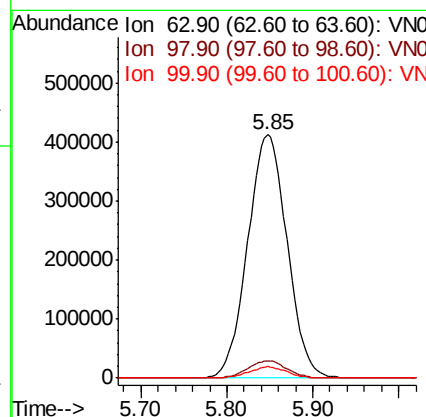
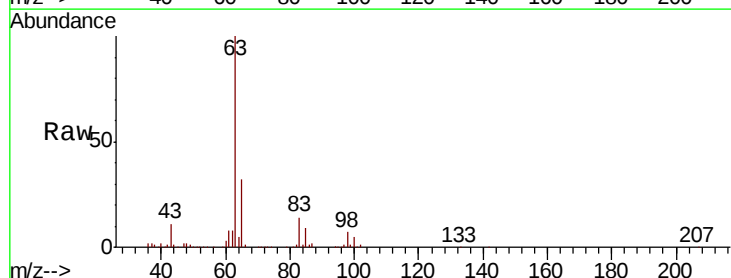
Manual Integrations
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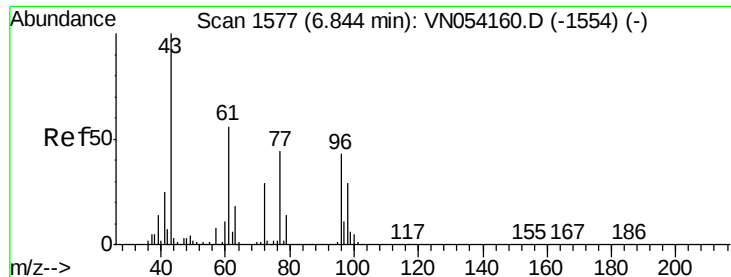
MMDadoda
 3/13/2019 11:42:15 AM



#24
 1,1-Dichloroethane
 Concen: 51.065 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 63 Resp: 1316643
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.5
 100 4.7 2.0 6.0





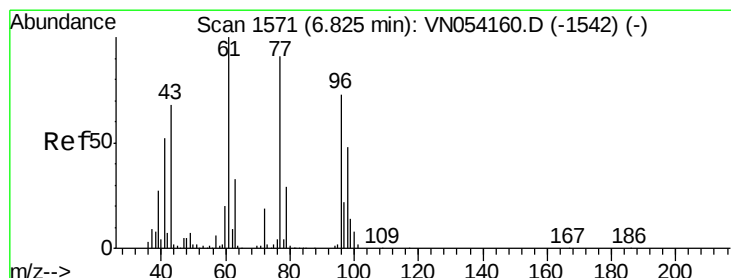
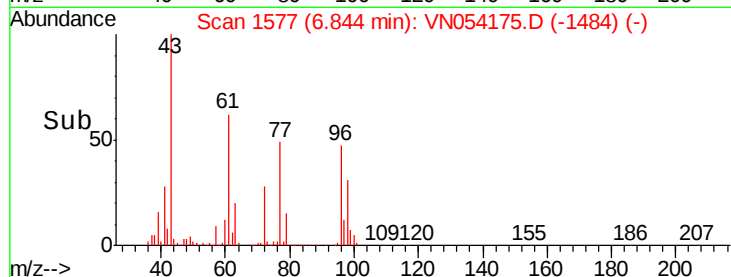
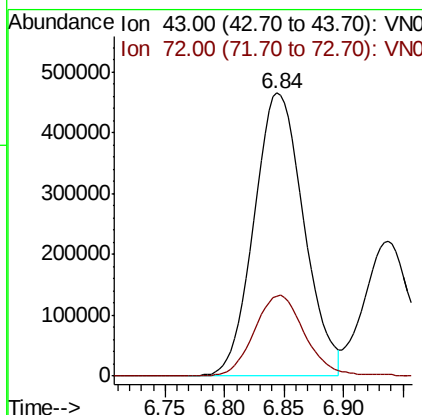
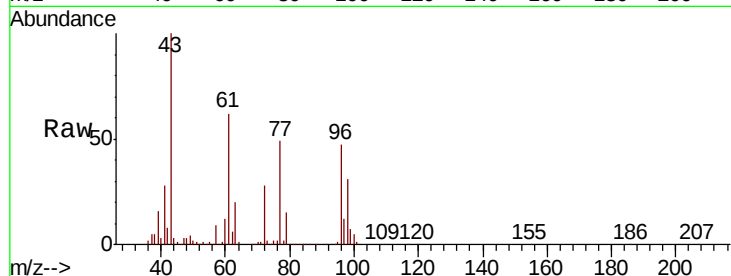
#25
2-Butanone
Concen: 249.118 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1342032
Ion Ratio Lower Upper
43 100
72 28.5 23.0 34.6

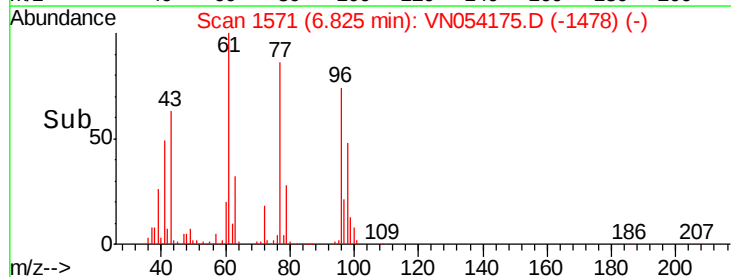
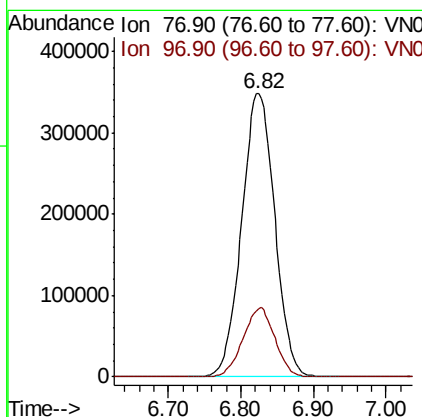
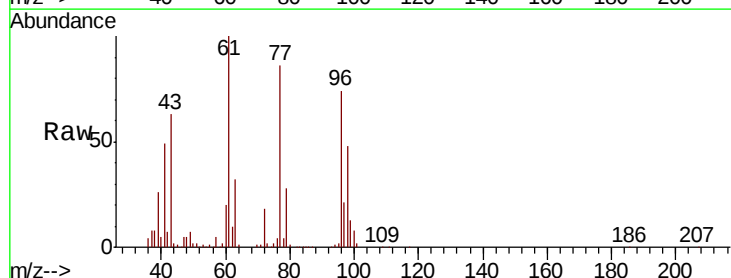
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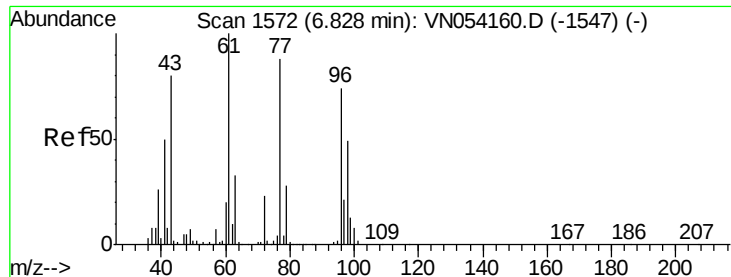
MMDadoda
3/13/2019 11:42:15 AM



#26
2,2-Dichloropropane
Concen: 48.685 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 77 Resp: 1103878
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.362 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

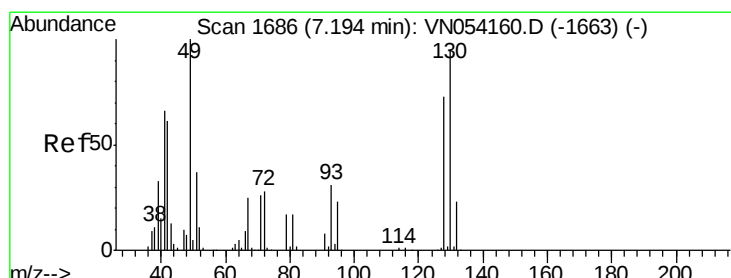
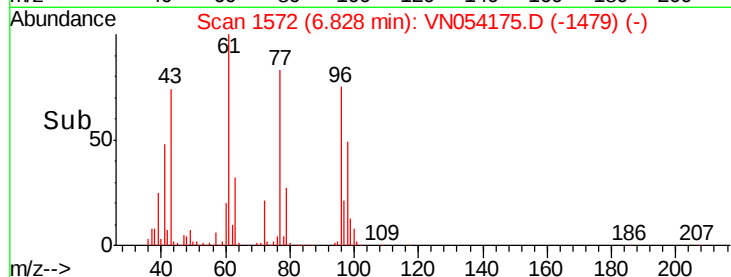
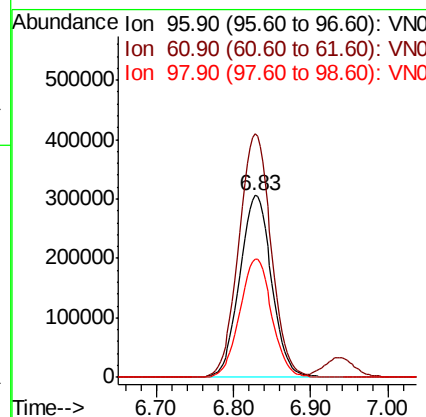
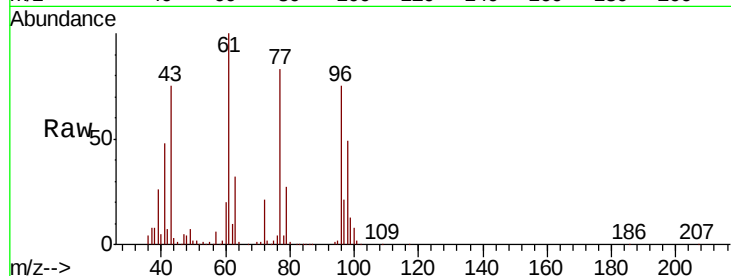
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	877693
Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	273.0
98	65.5	0.0	130.6

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#28

Bromochloromethane

Concen: 50.379 ug/l

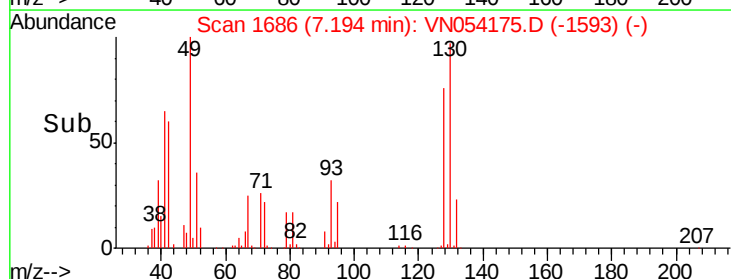
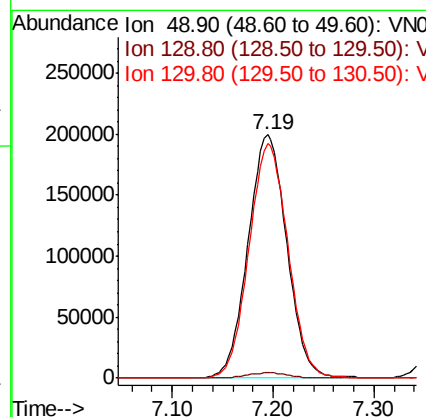
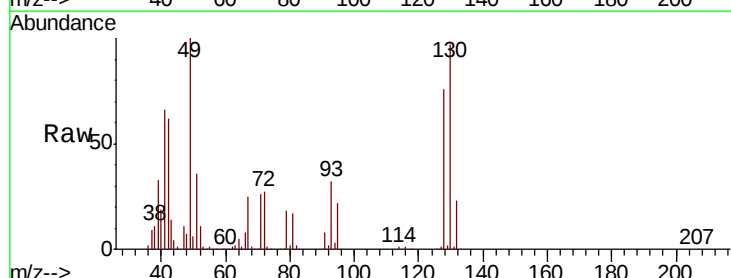
RT: 7.19 min Scan# 1686

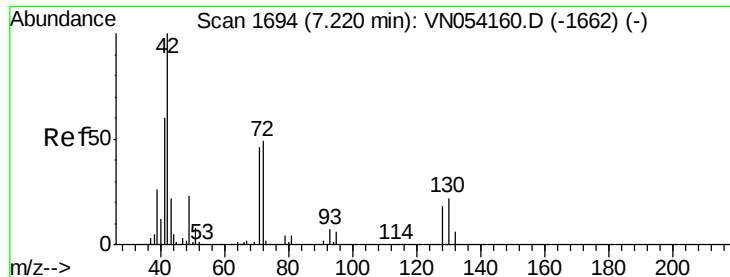
Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Tgt Ion:	49	Resp:	531027
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	97.0	76.7	115.1





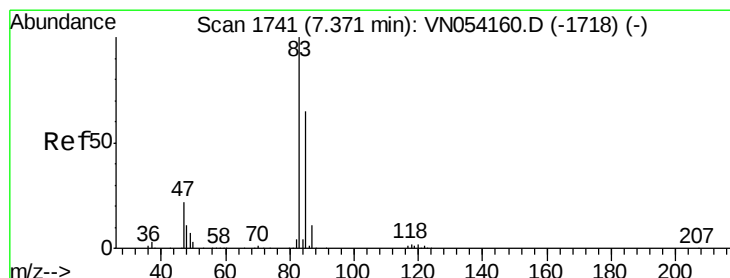
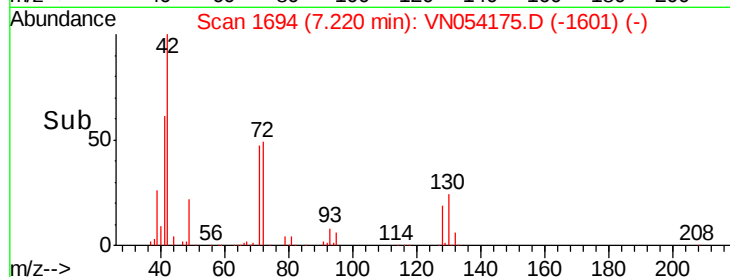
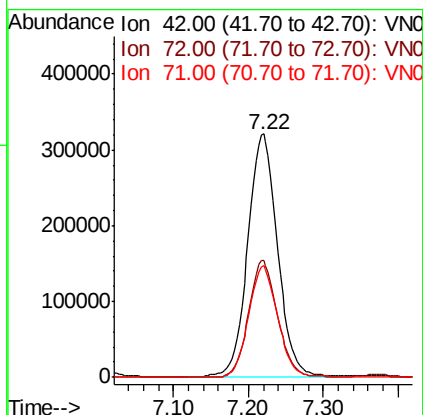
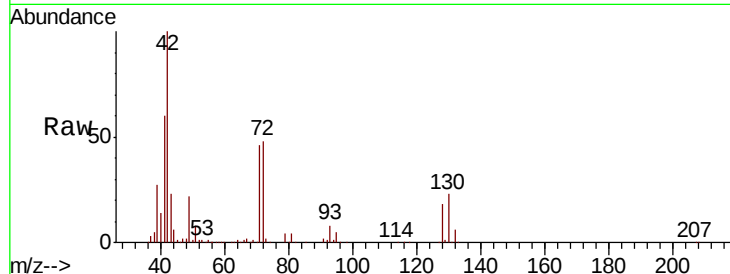
#29
Tetrahydrofuran
Concen: 255.991 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.8	56.6
71	45.2	36.2	54.2

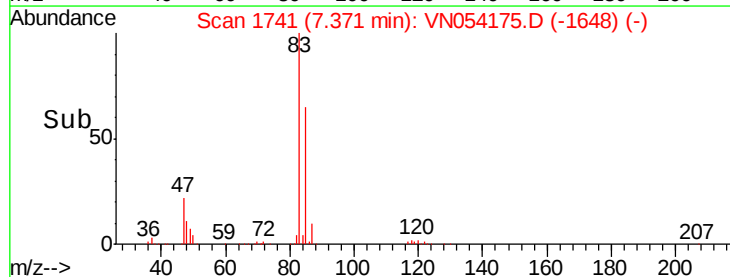
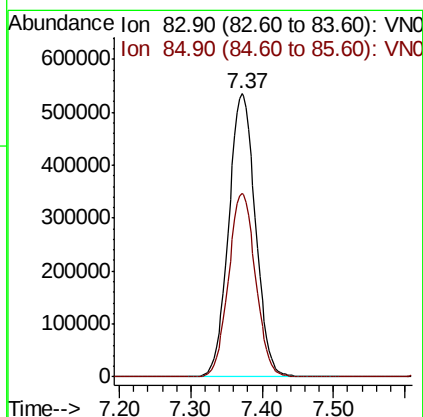
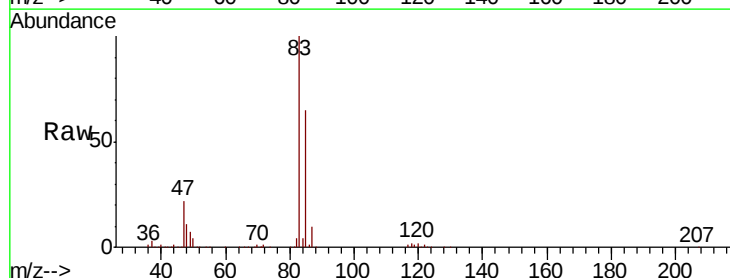
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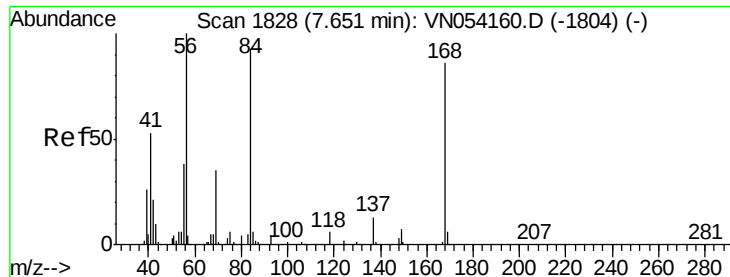
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3/13/2019 11:42:15 AM



#30
Chloroform
Concen: 52.068 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





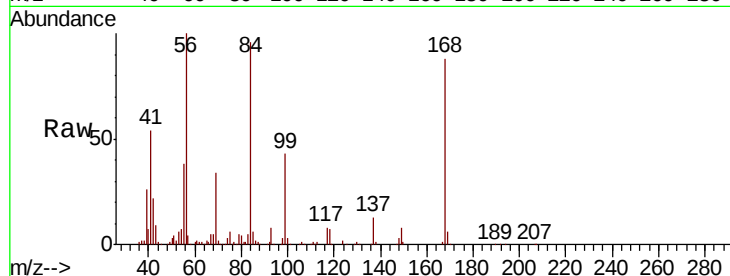
#31
Cyclohexane
Concen: 49.942 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

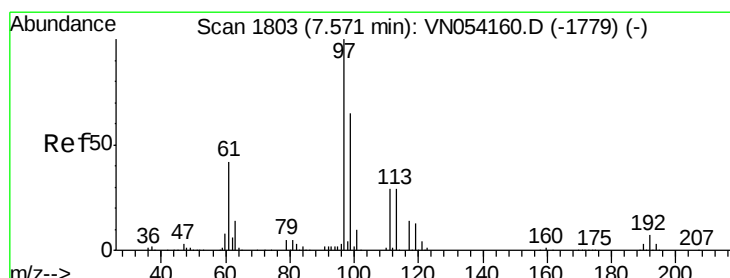
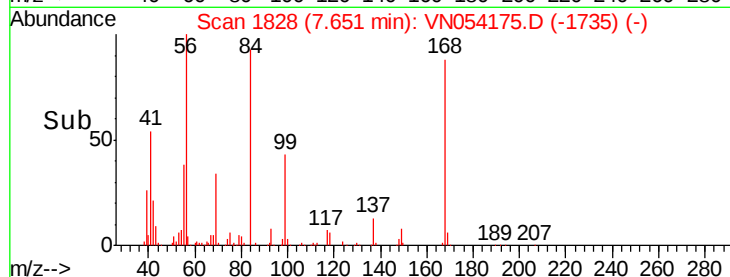
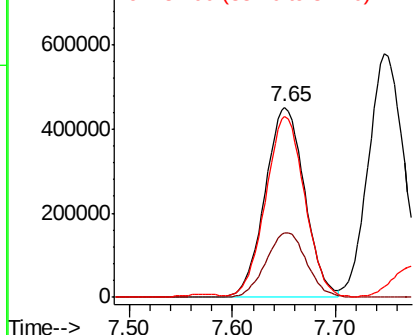
Tgt Ion: 56 Resp: 1203917
Ion Ratio Lower Upper
56 100
69 34.2 27.8 41.6
84 94.4 74.6 111.8

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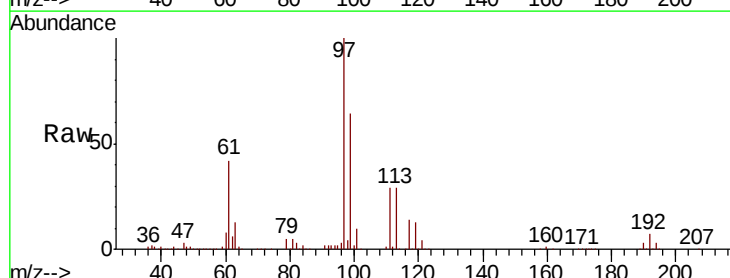


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

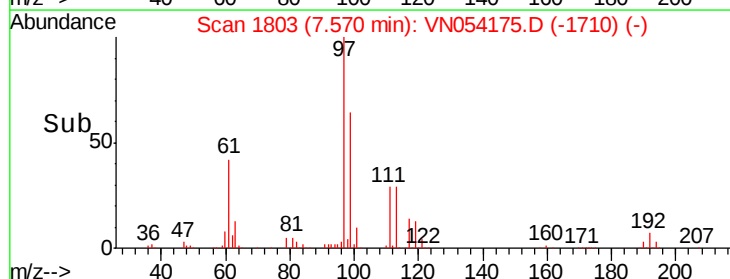
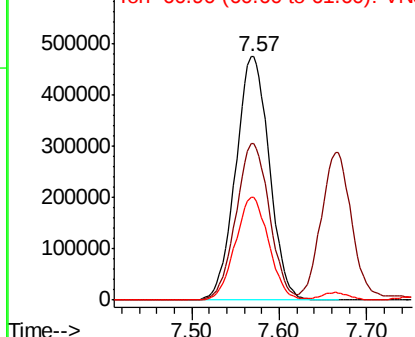


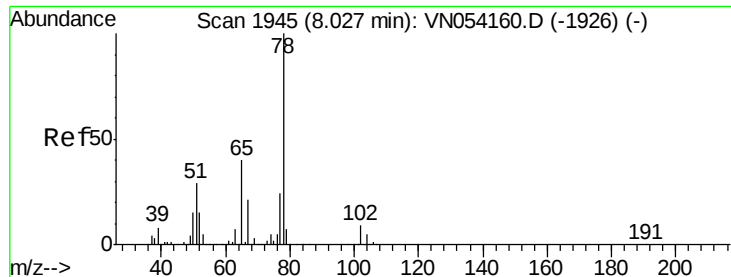
#32
1,1,1-Trichloroethane
Concen: 51.935 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 97 Resp: 1261945
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 42.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





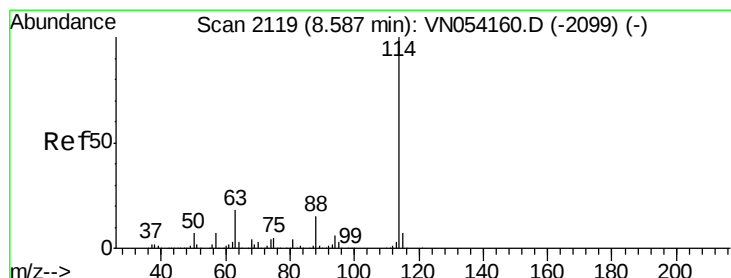
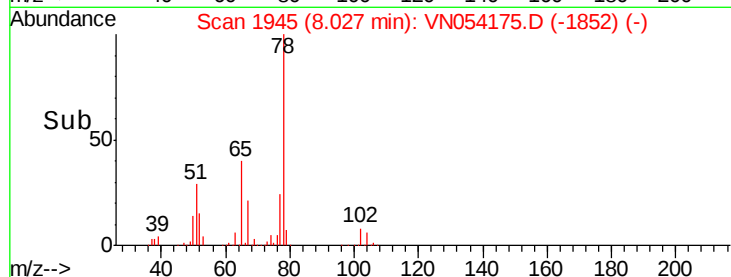
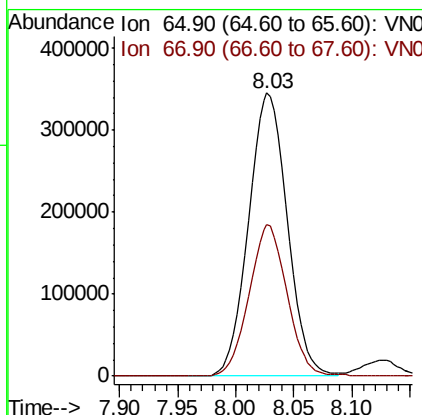
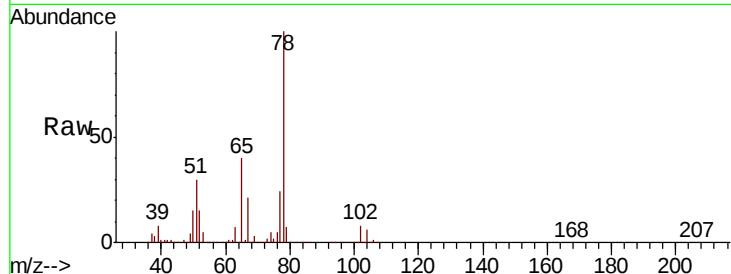
#33
 1,2-Dichloroethane-d4
 Concen: 50.067 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	802606		
67	52.4	0.0	104.6	

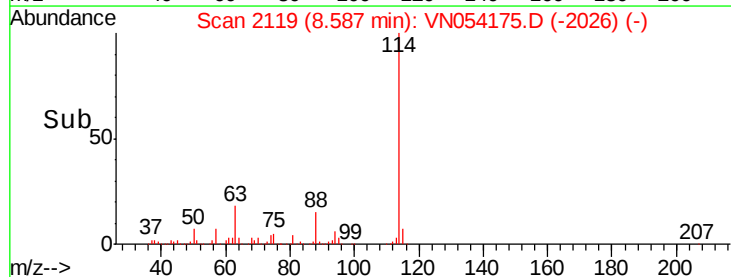
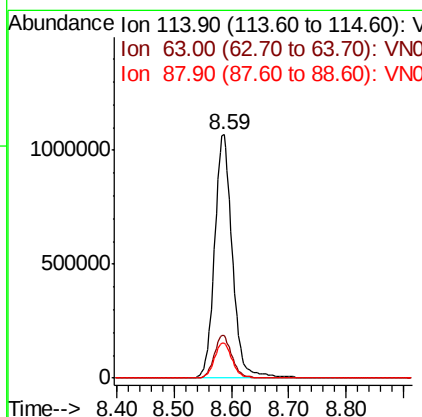
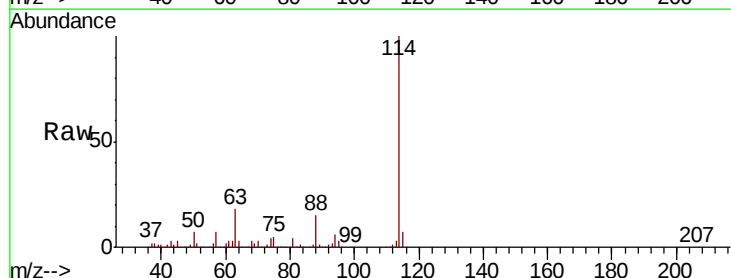
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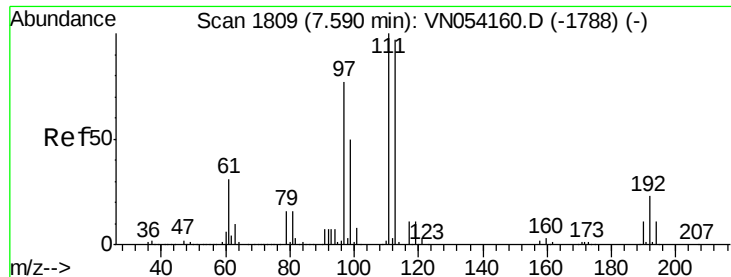
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2308285		
63	17.5	0.0	35.2	
88	14.5	0.0	30.2	





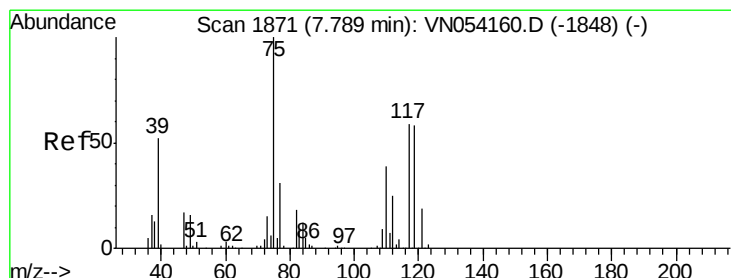
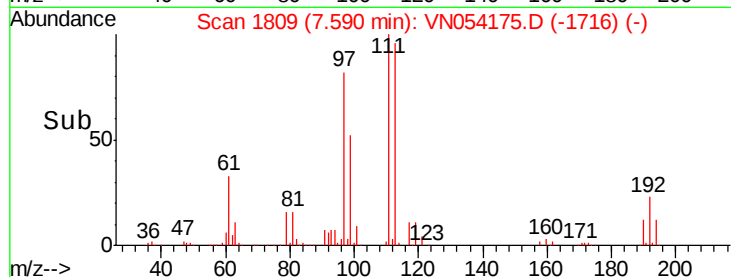
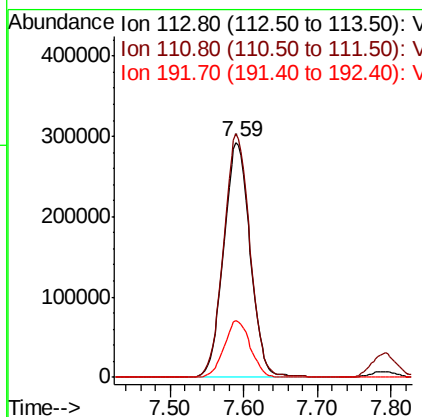
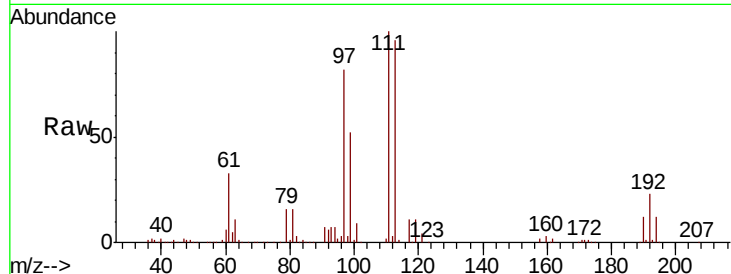
#35
Dibromofluoromethane
Concen: 49.041 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	730098		
111	103.2	82.2	123.4	
192	23.9	19.2	28.8	

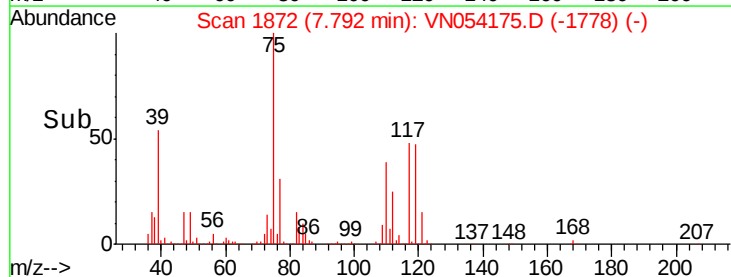
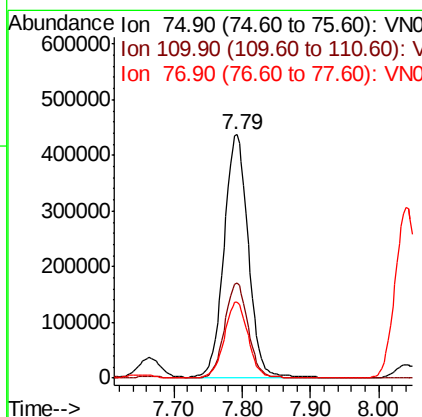
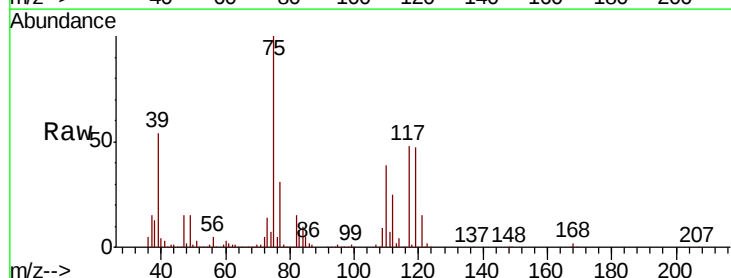
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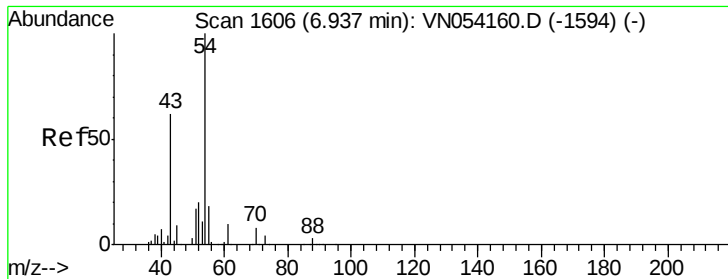
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3/13/2019 11:42:15 AM



#36
1,1-Dichloropropene
Concen: 50.959 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1083260		
110	38.1	19.1	57.5	
77	30.8	25.0	37.4	





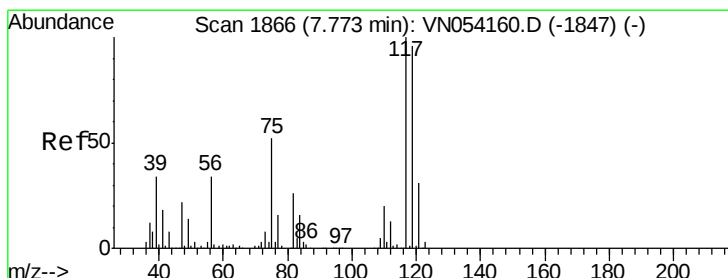
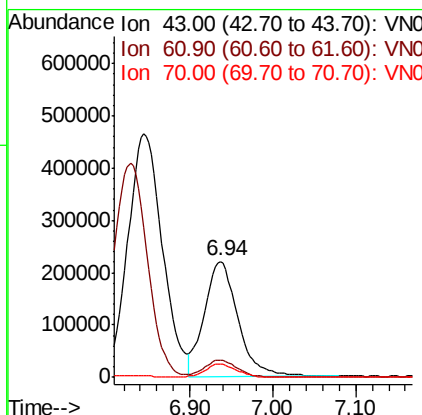
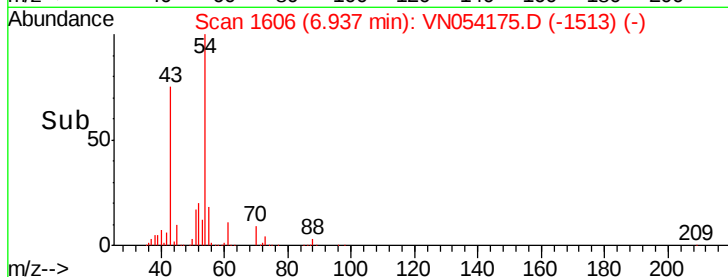
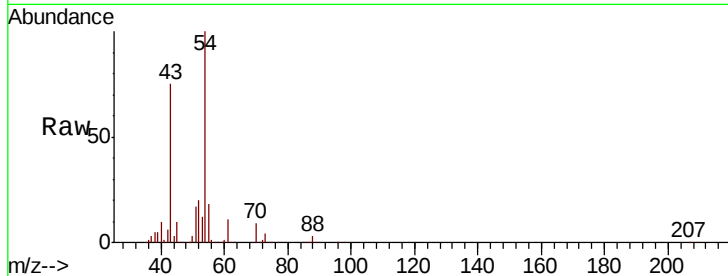
#37
 Ethyl Acetate
 Concen: 50.948 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.8	8.4	12.6

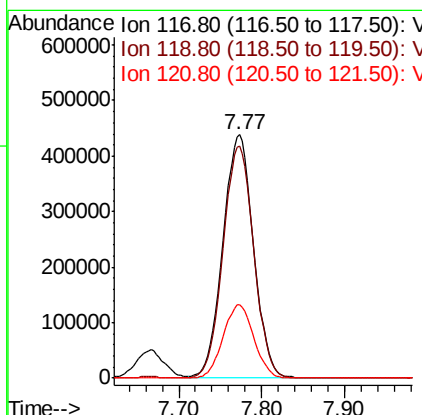
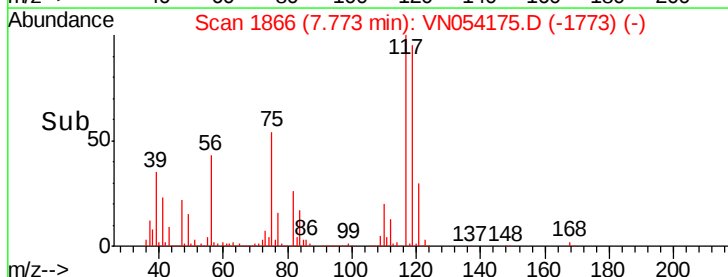
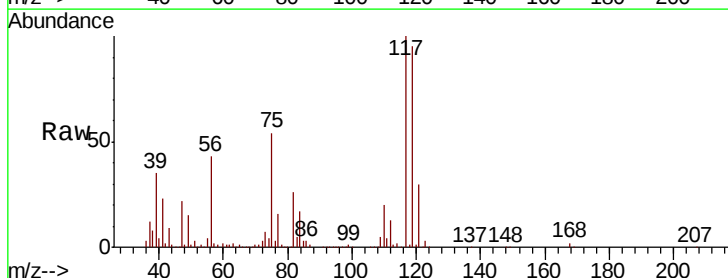
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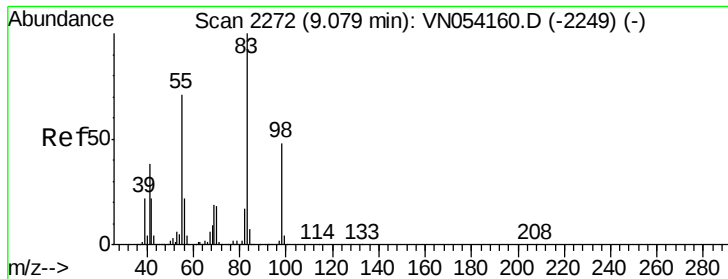
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#38
 Carbon Tetrachloride
 Concen: 50.325 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
121	30.4	24.6	36.8





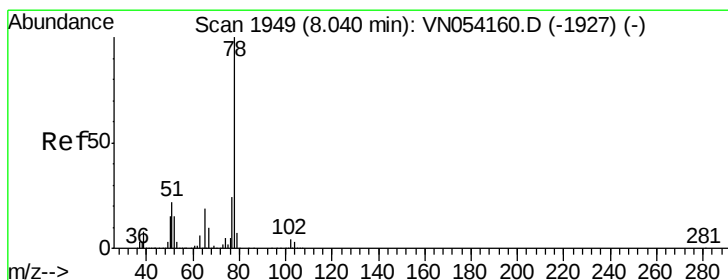
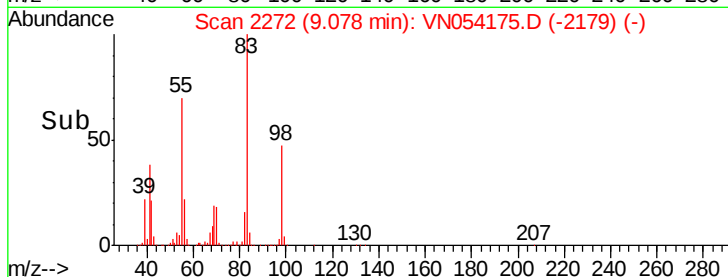
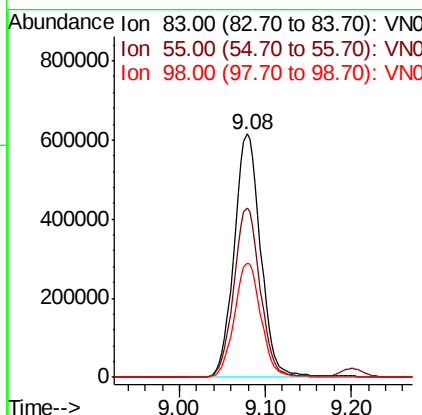
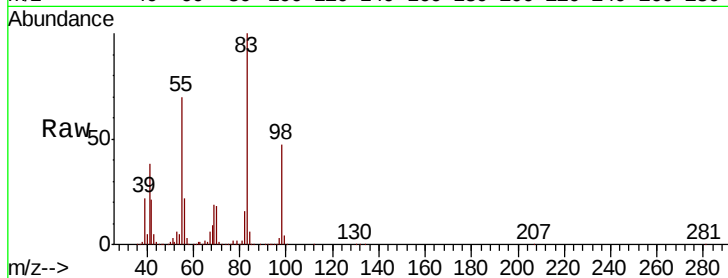
#39
Methylcyclohexane
Concen: 50.287 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 1315243
Ion Ratio Lower Upper
83 100
55 69.7 56.6 84.8
98 46.8 38.4 57.6

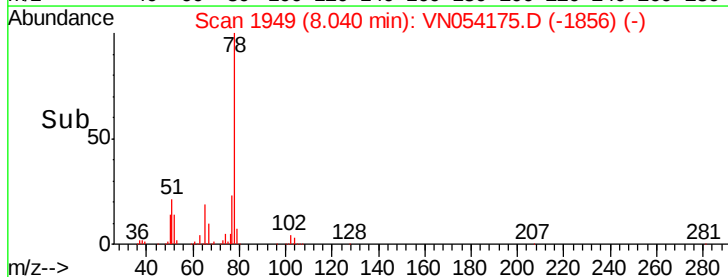
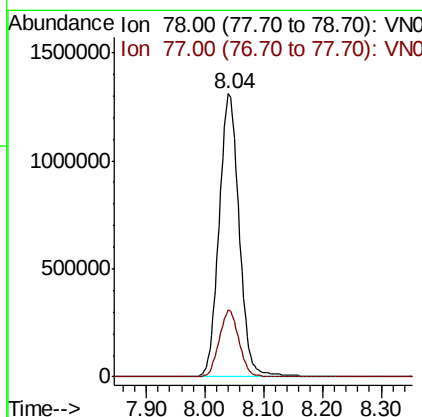
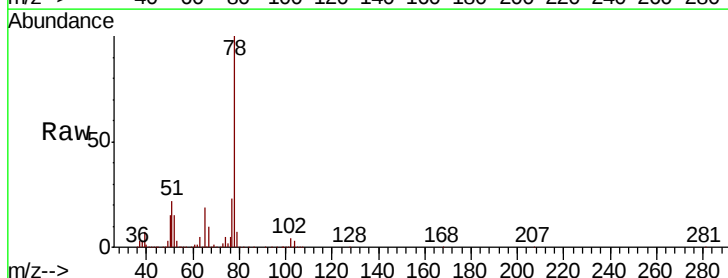
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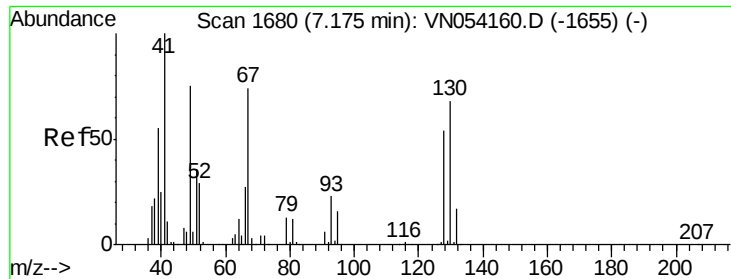
MMDadoda
3/13/2019 11:42:15 AM



#40
Benzene
Concen: 50.912 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 78 Resp: 3096973
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7





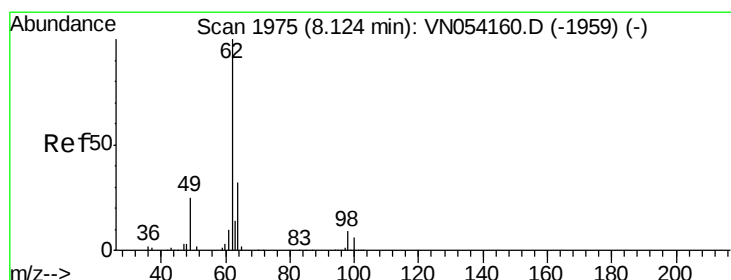
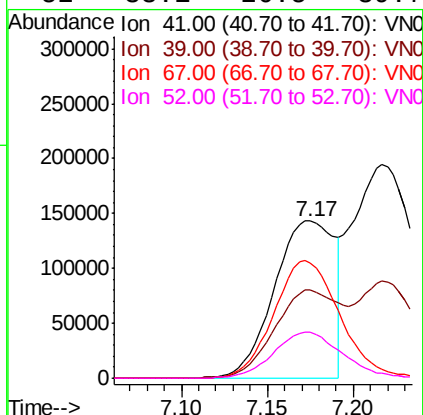
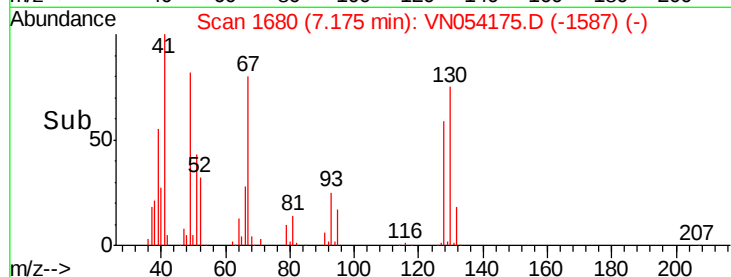
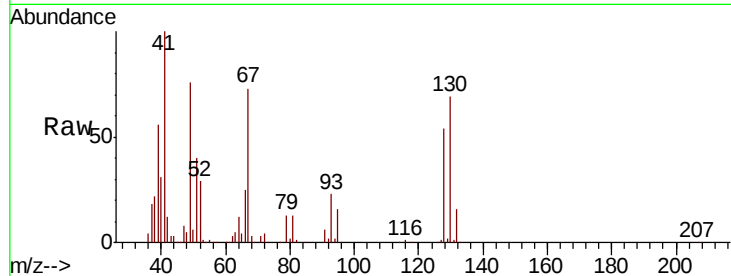
#41
Methacrylonitrile
Concen: 49.946 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.4	46.8	70.2
67	82.9	67.0	100.4
52	33.1	26.5	39.7

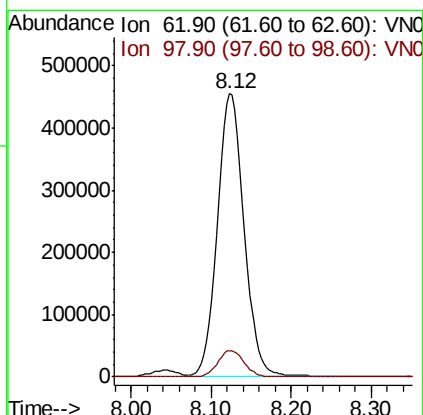
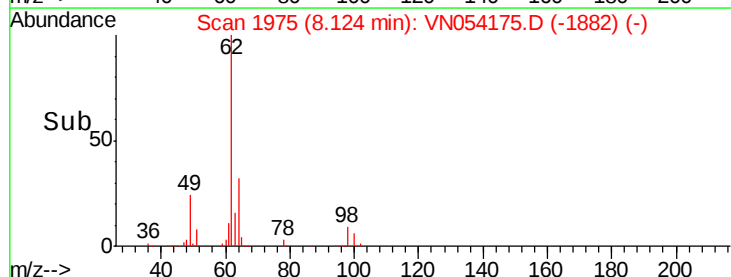
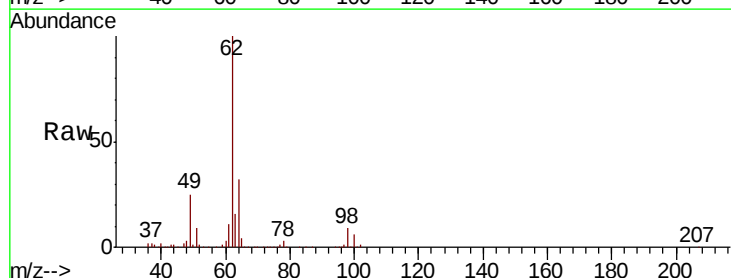
Manual Integrations
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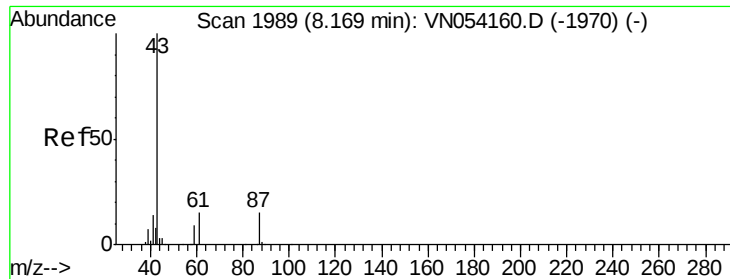
MMDadoda
3/13/2019 11:42:15 AM



#42
1,2-Dichloroethane
Concen: 50.979 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 51.013 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1093686

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

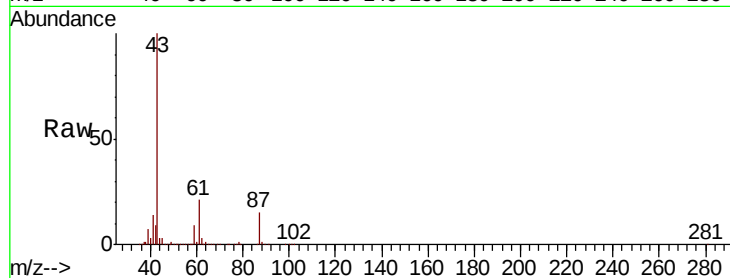
87 15.2 12.0 18.0

Manual Integrations

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3/13/2019 11:42:15 AM

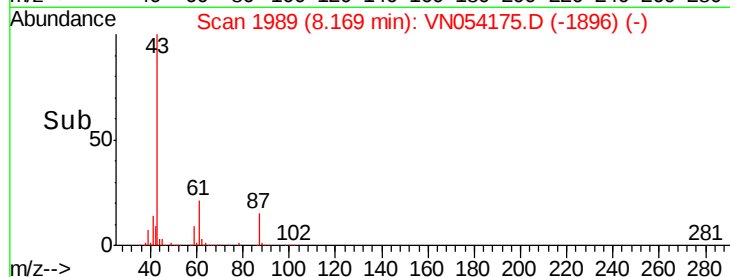


Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

Time-->



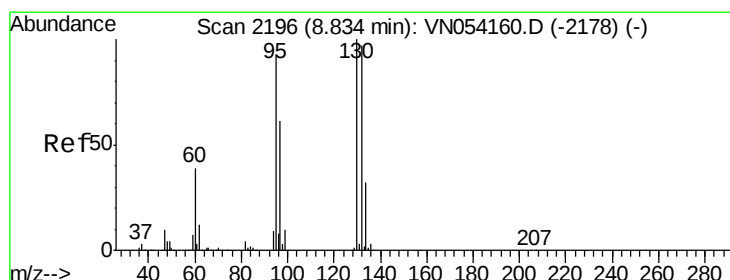
Abundance

Ion 43.00 (42.70 to 43.70): VN054175.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054175.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054175.D (-1896) (-)

Time-->



#44

Trichloroethene

Concen: 50.361 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054175.D

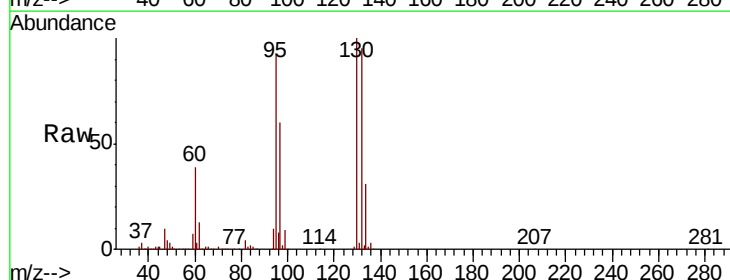
Acq: 12 Mar 2019 20:27

Tgt Ion: 130 Resp: 951651

Ion Ratio Lower Upper

130 100

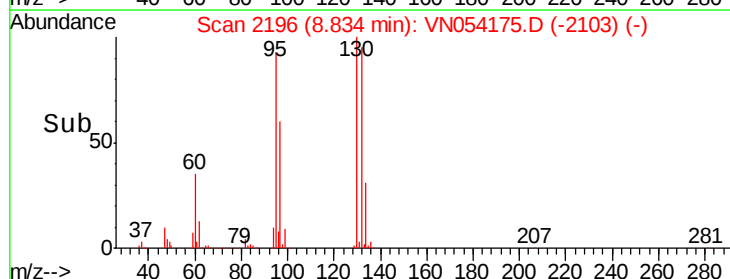
95 93.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

Time-->

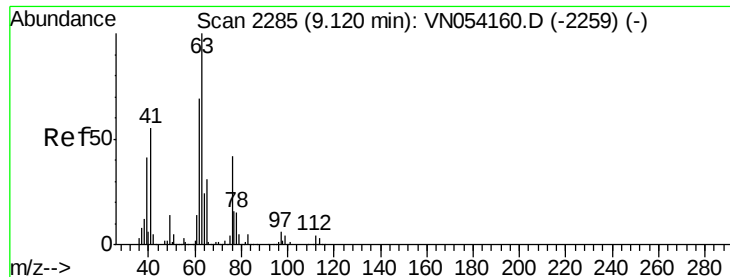


Abundance

Ion 129.80 (129.50 to 130.50): VN054175.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054175.D (-2103) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 51.707 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 781013

Ion Ratio Lower Upper

63 100

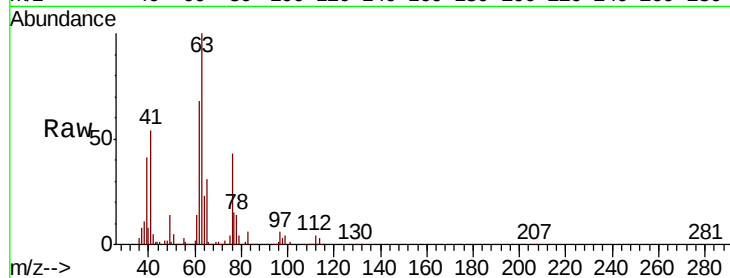
65 31.2 25.0 37.6

Manual Integrations

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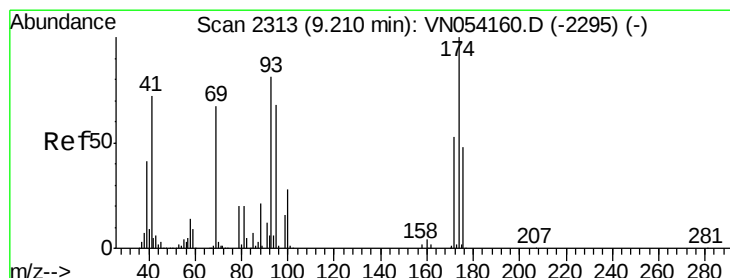
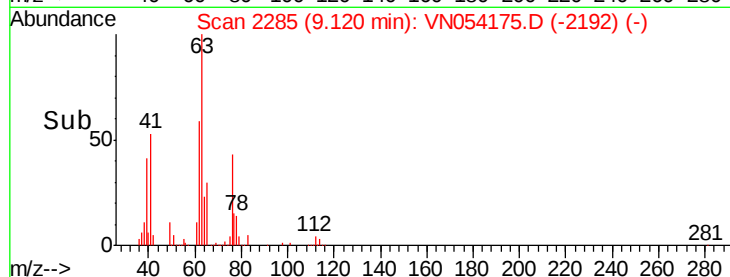
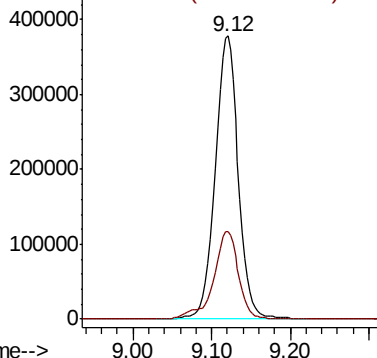
MMDadoda

3/13/2019 11:42:15 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.224 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

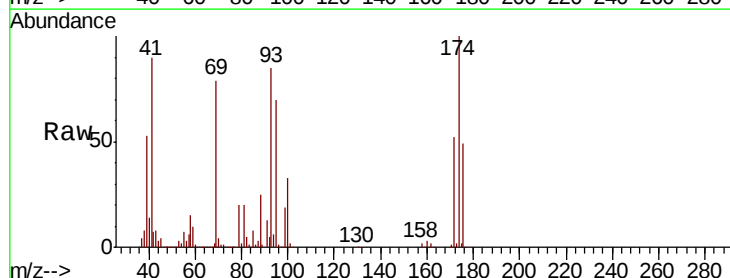
Tgt Ion: 93 Resp: 522772

Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

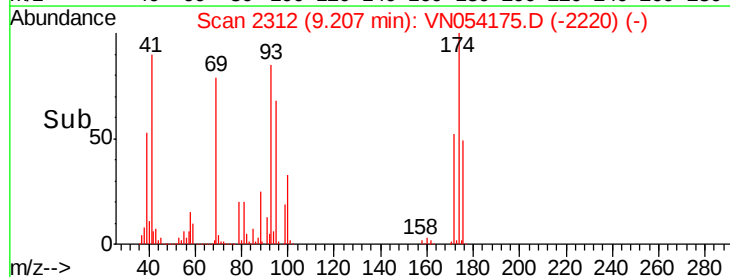
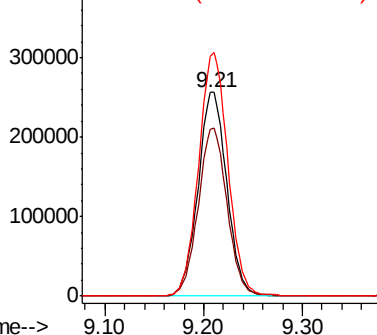
174 120.9 98.5 147.7

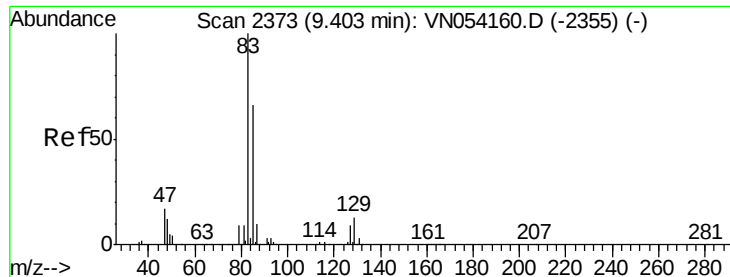


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 51.771 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 1059200

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2

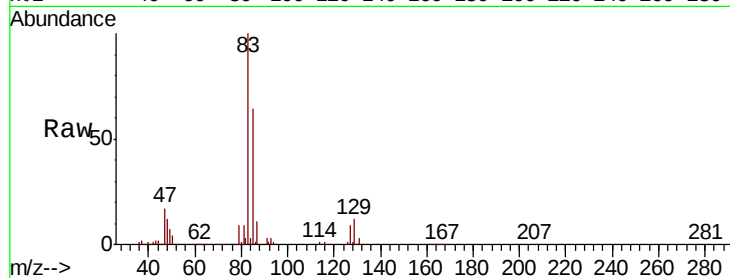
127 9.2 7.4 11.2

Manual Integrations

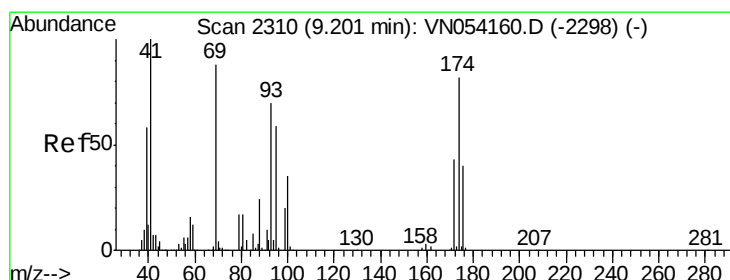
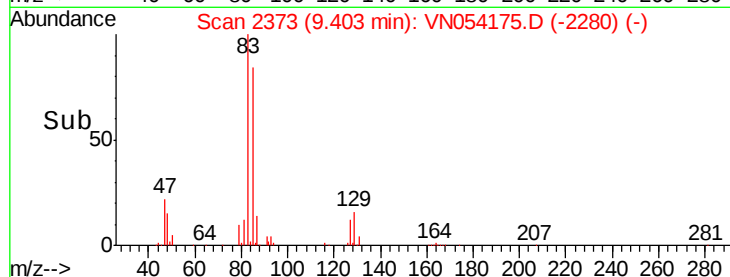
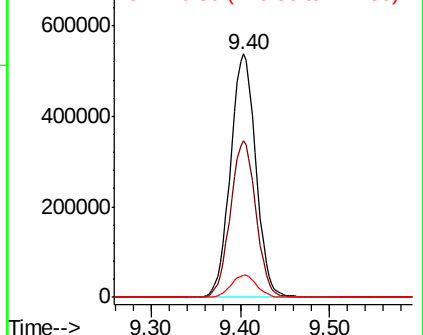
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 52.687 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

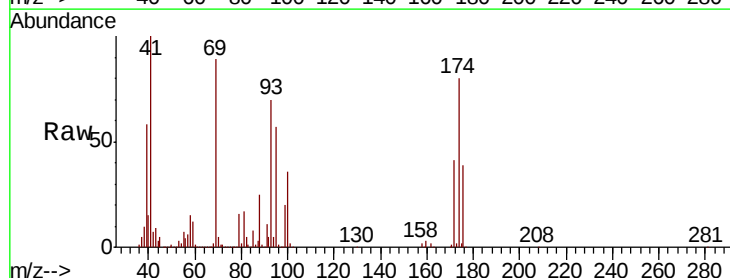
Tgt Ion: 41 Resp: 573239

Ion Ratio Lower Upper

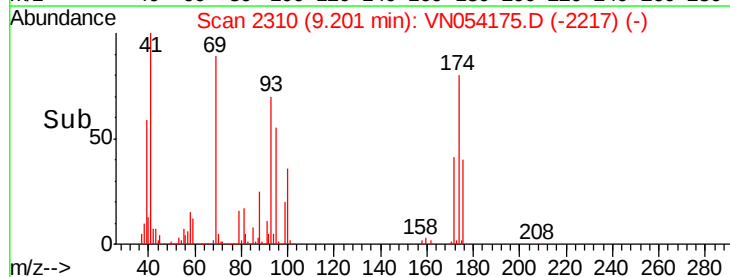
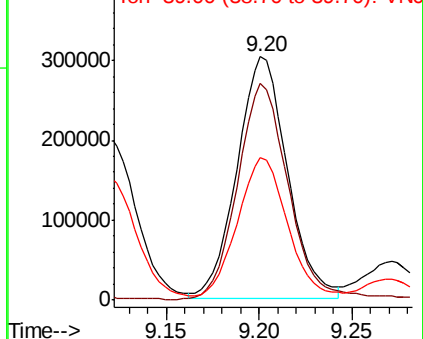
41 100

69 91.1 72.6 108.8

39 59.1 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





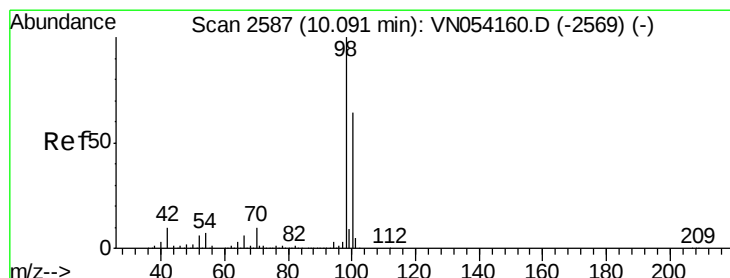
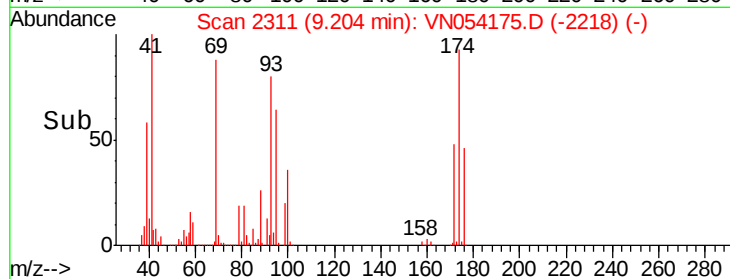
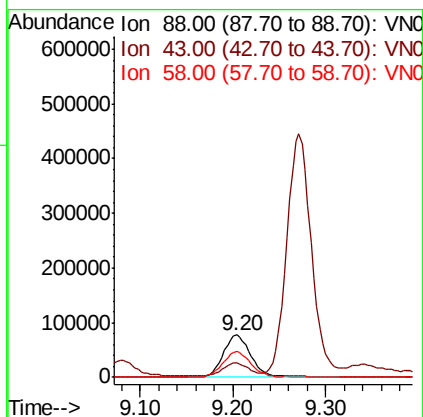
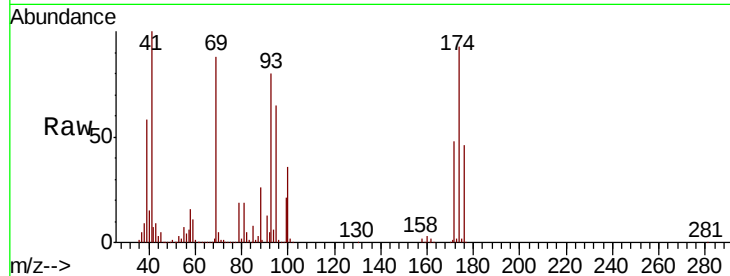
#49
1,4-Dioxane
Concen: 1043.922 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.7	24.1	36.1
58	61.1	50.8	76.2

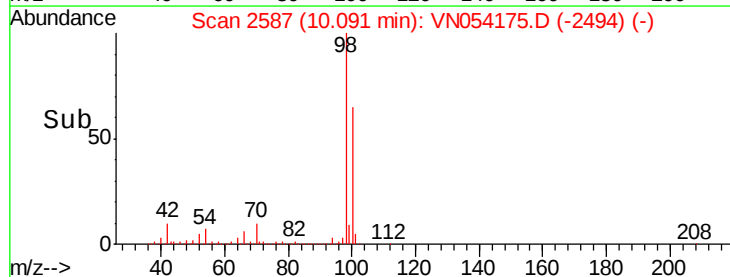
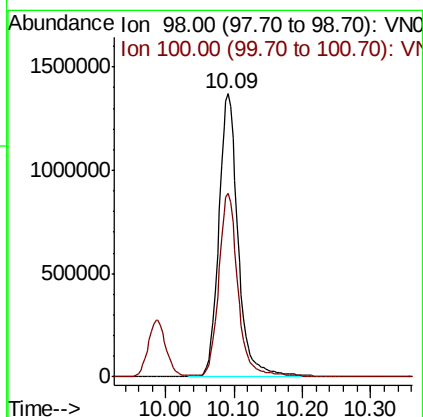
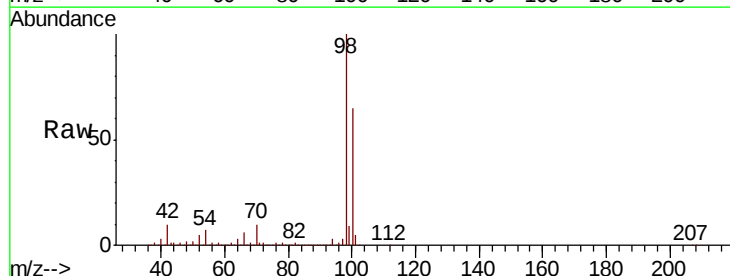
Manual Integrations
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3/13/2019 11:42:15 AM



#50
Toluene-d8
Concen: 48.853 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 261.409 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2965897

Ion Ratio Lower Upper

43 100

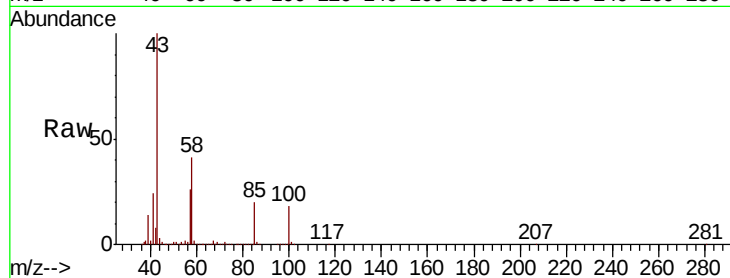
58 39.9 31.8 47.6

Manual Integrations

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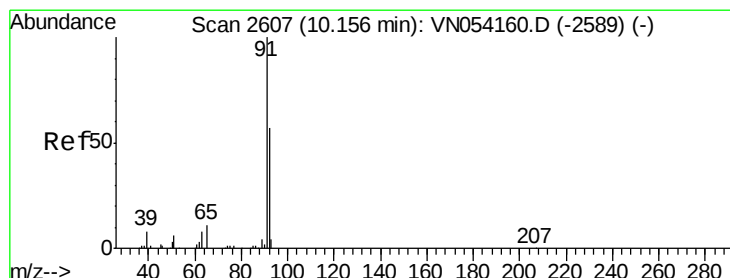
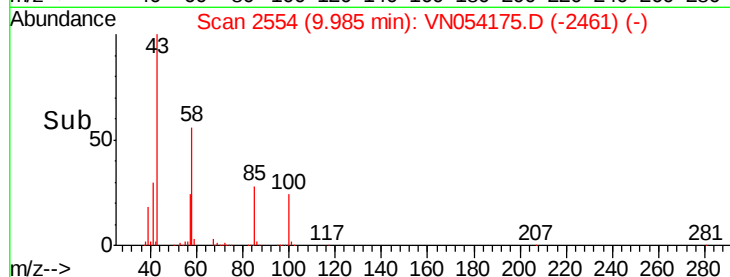
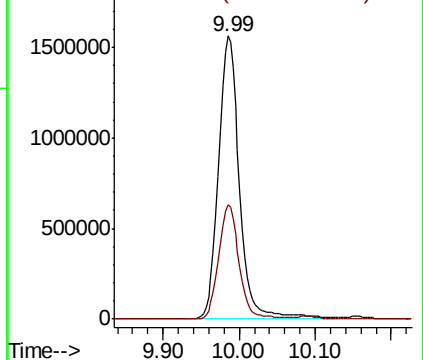
MMDadoda

3/13/2019 11:42:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.206 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054175.D

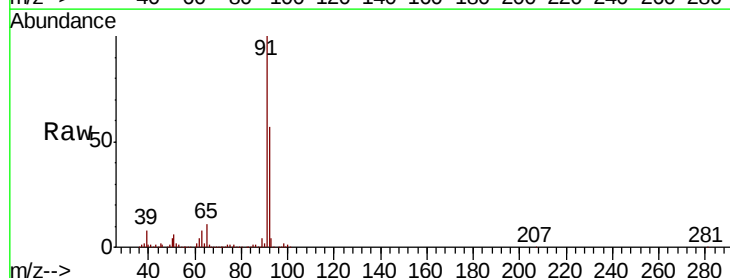
Acq: 12 Mar 2019 20:27

Tgt Ion: 92 Resp: 1975024

Ion Ratio Lower Upper

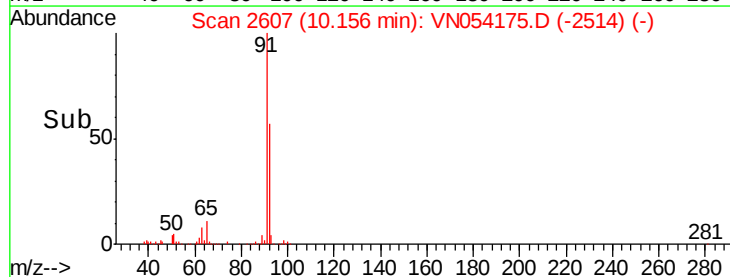
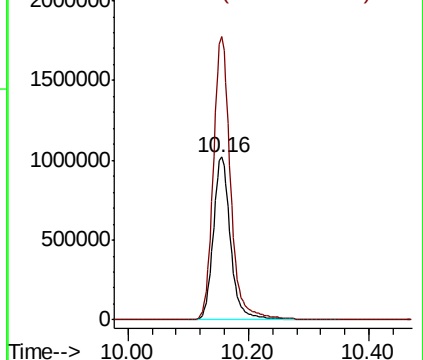
92 100

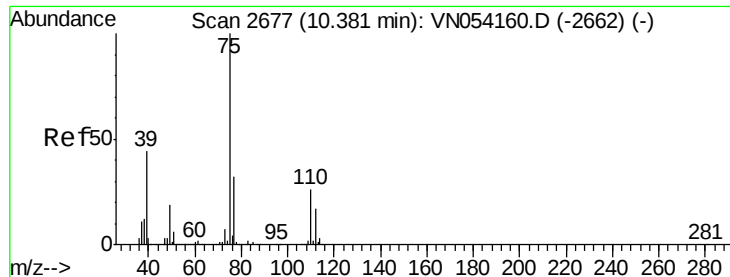
91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





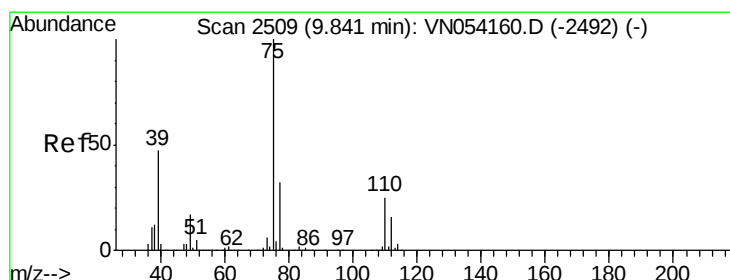
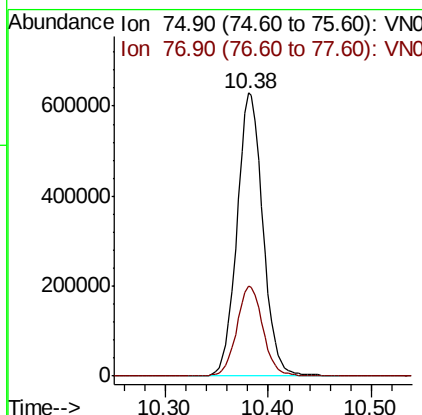
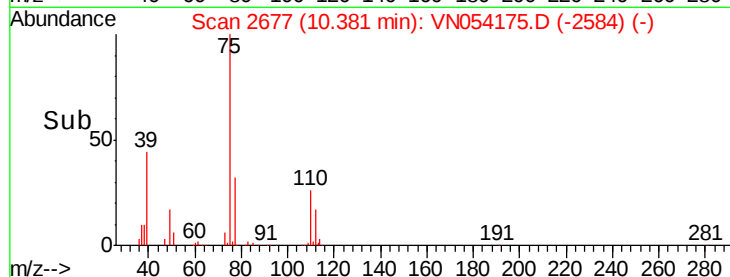
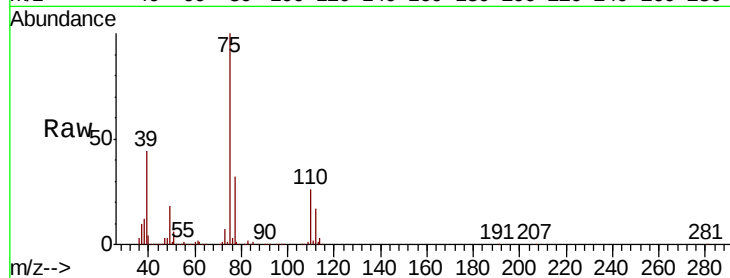
#53
t-1,3-Dichloropropene
Concen: 47.088 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 1099069
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.8

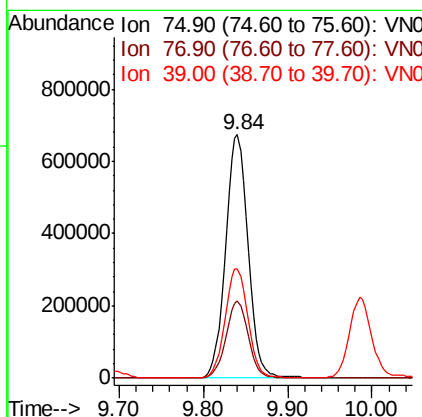
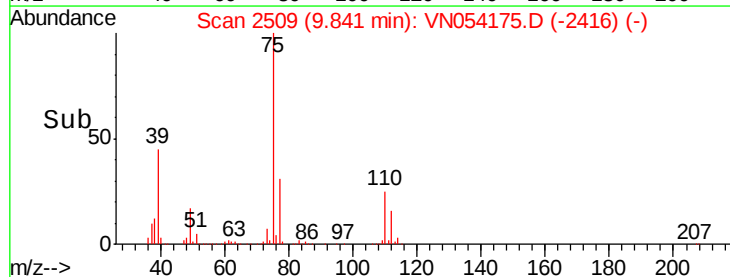
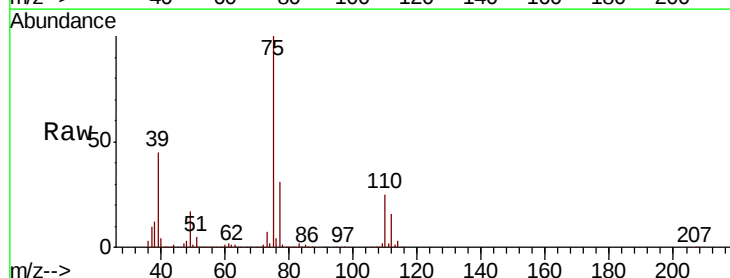
Manual Integrations
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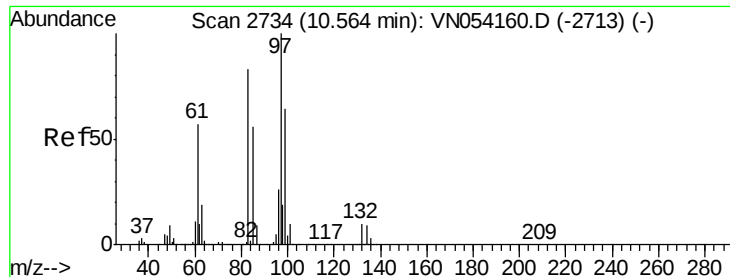
MMDadoda
3/13/2019 11:42:15 AM



#54
cis-1,3-Dichloropropene
Concen: 52.274 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 75 Resp: 1246304
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 44.8 37.2 55.8





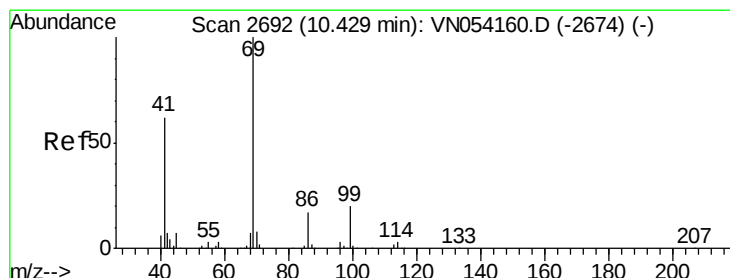
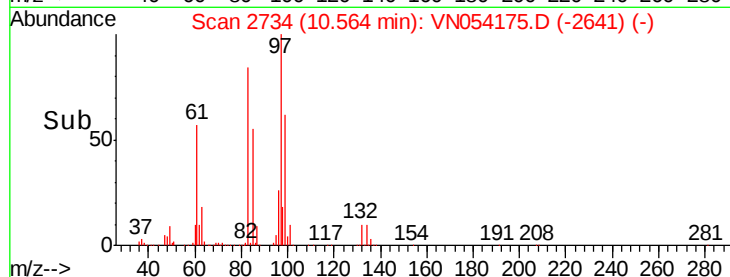
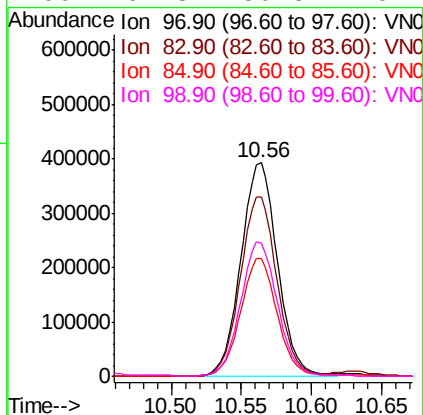
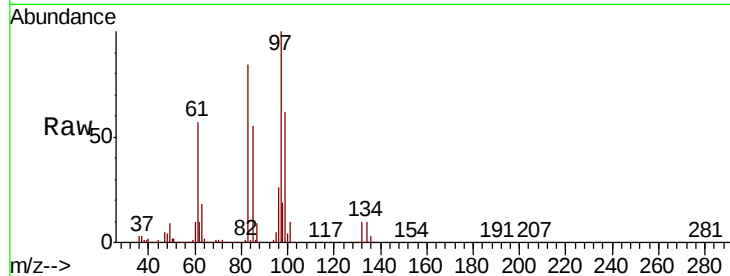
#55
 1,1,2-Trichloroethane
 Concen: 50.690 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	100.0
85	55.2	44.4	66.6
99	62.3	50.8	76.2

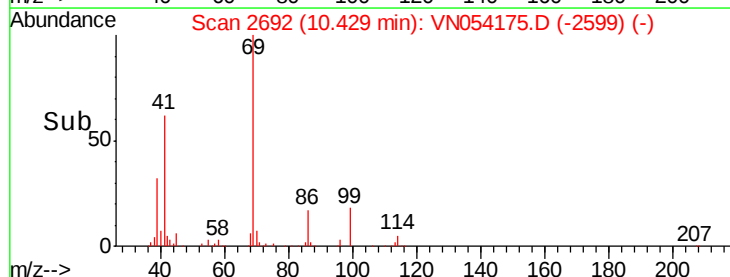
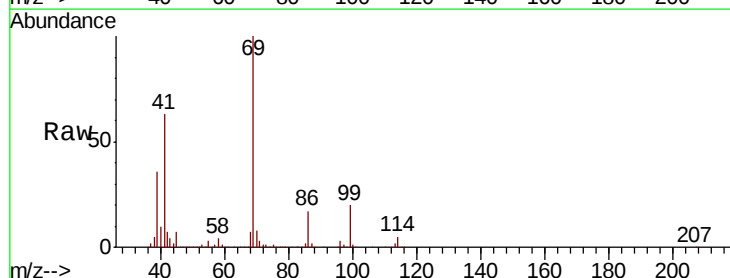
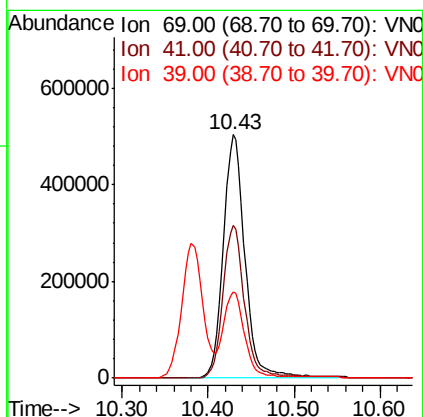
Manual Integrations
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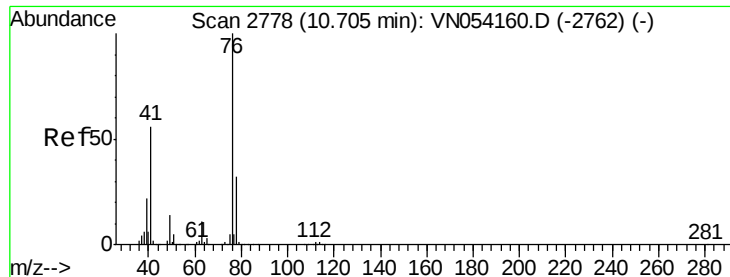
MMDadoda
 3/13/2019 11:42:15 AM



#56
 Ethyl methacrylate
 Concen: 52.712 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.2
39	34.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 51.338 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 1182221

Ion Ratio Lower Upper

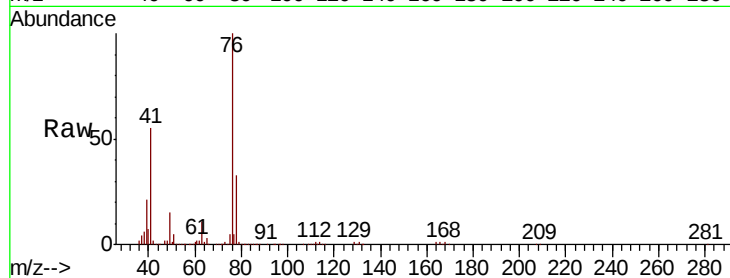
76 100

78 32.7 25.7 38.5

Manual Integrations
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MMDadoda

3/13/2019 11:42:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

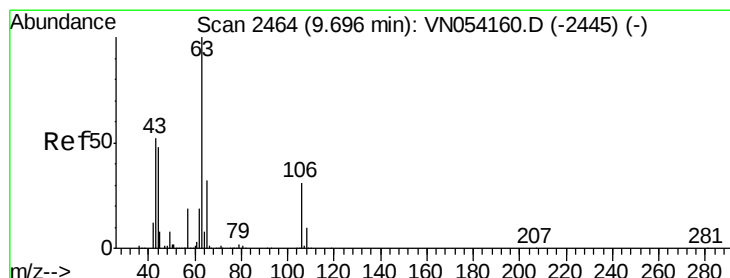
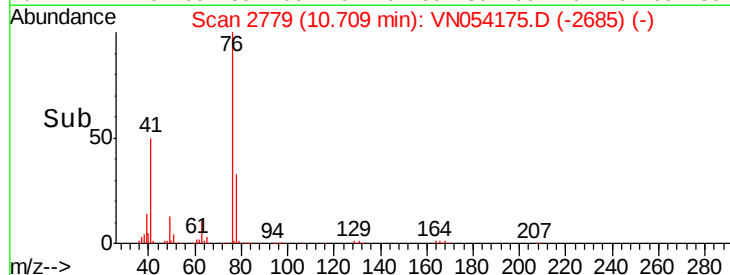
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 232.368 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054175.D

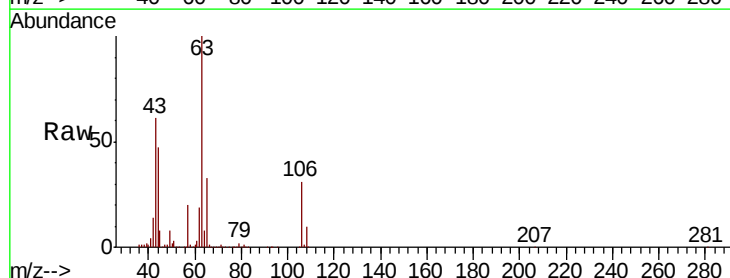
Acq: 12 Mar 2019 20:27

Tgt Ion: 63 Resp: 1683625

Ion Ratio Lower Upper

63 100

106 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1000000

800000

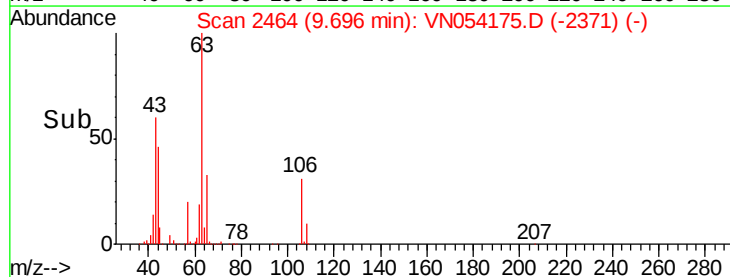
600000

400000

200000

0

Time-->





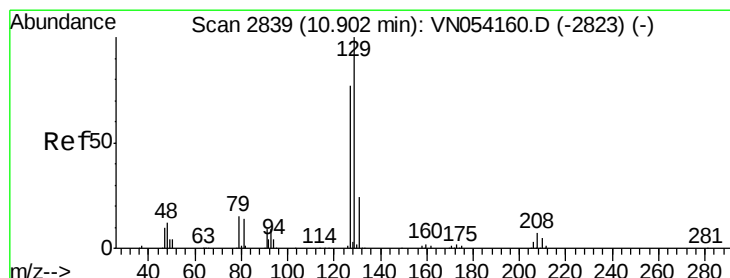
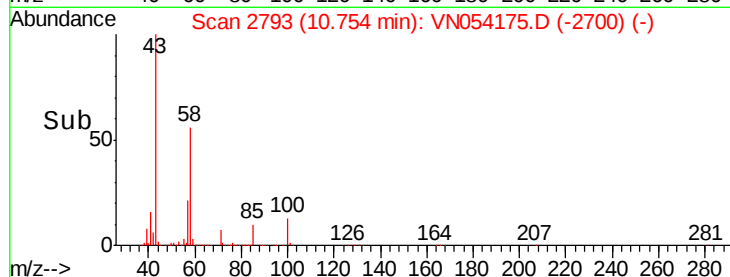
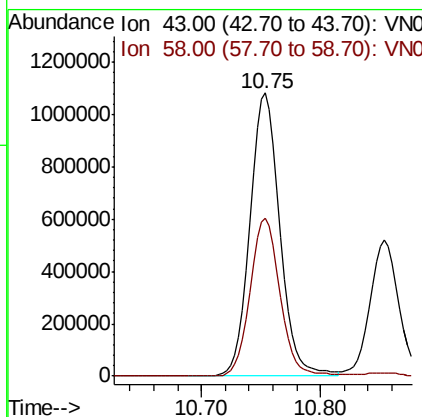
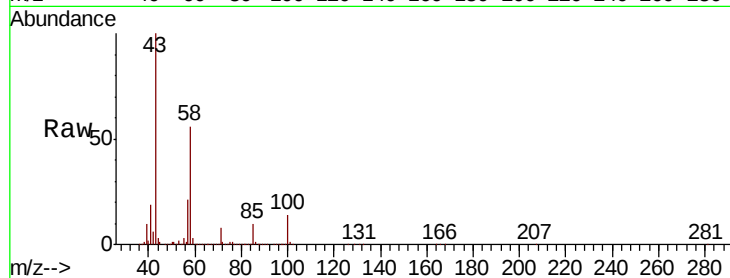
#59
2-Hexanone
Concen: 248.293 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1874482
Ion Ratio Lower Upper
43 100
58 56.4 28.0 83.9

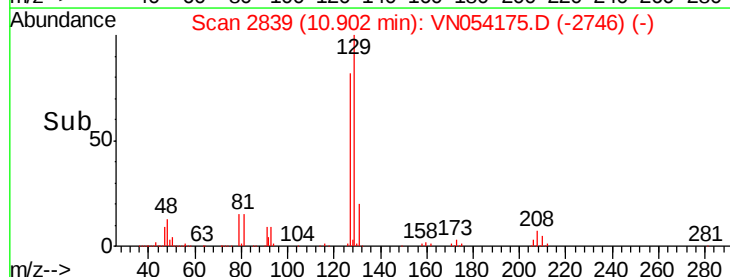
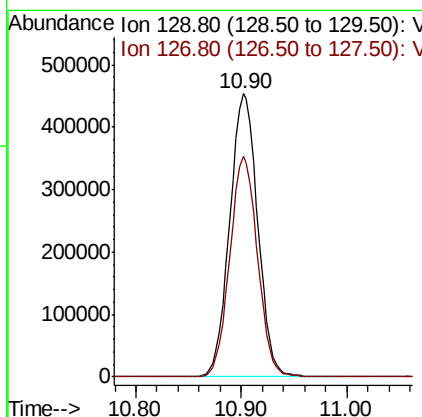
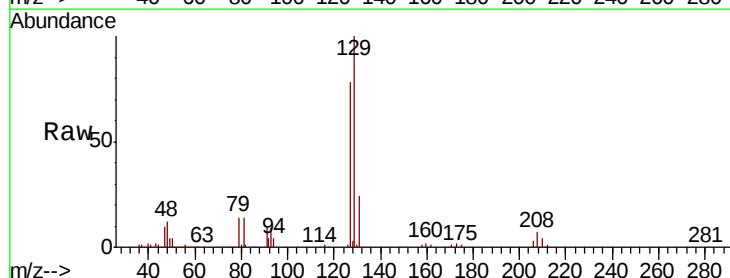
Manual Integrations
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#60
Dibromochloromethane
Concen: 52.494 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 129 Resp: 832126
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





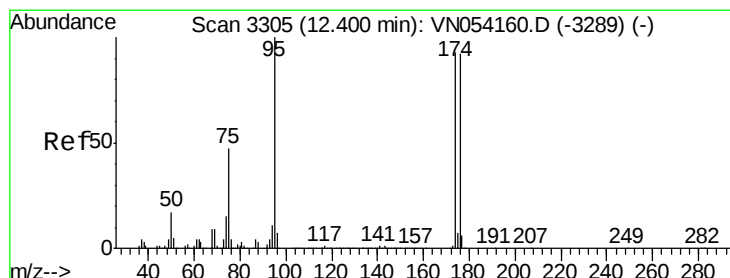
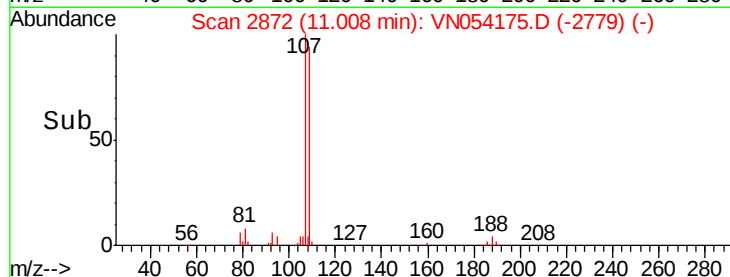
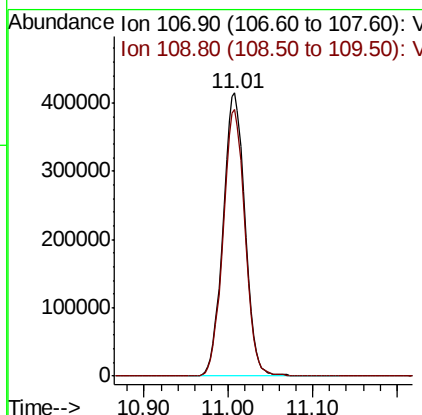
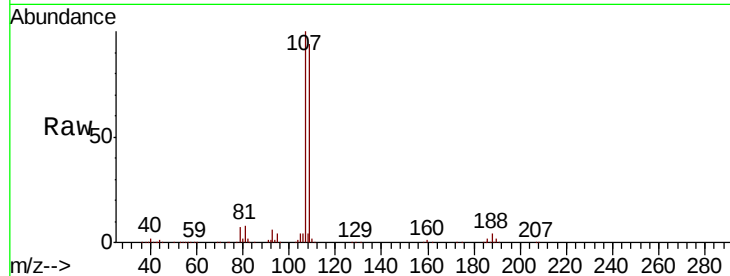
#61
 1,2-Dibromoethane
 Concen: 52.122 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.9	113.9

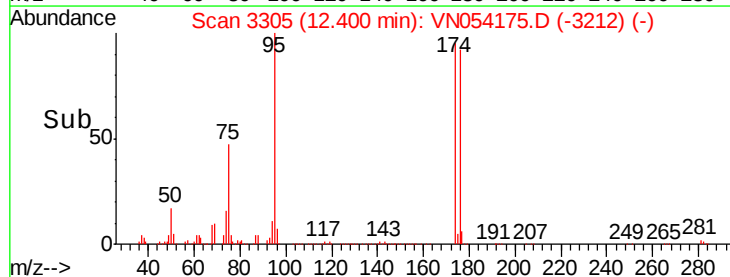
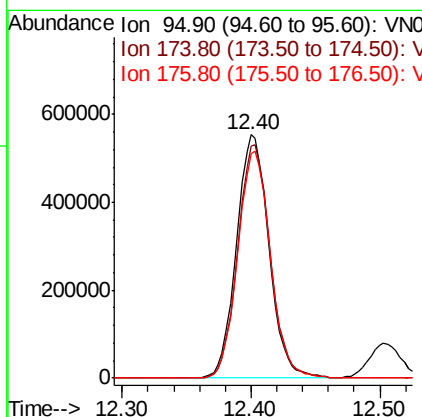
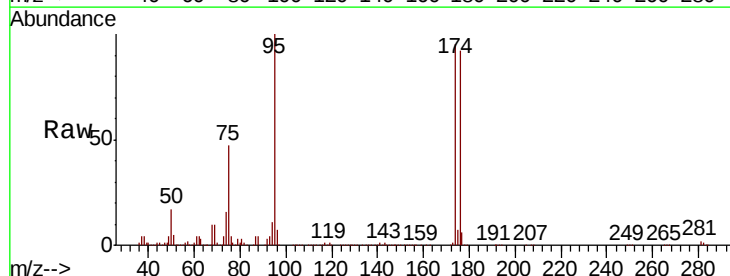
Manual Integrations
 APPROVED

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 3/13/2019 11:42:15 AM



#62
 4-Bromofluorobenzene
 Concen: 50.387 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	191.0
176	93.6	0.0	187.4





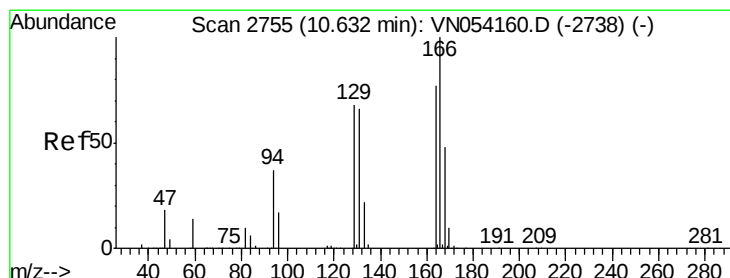
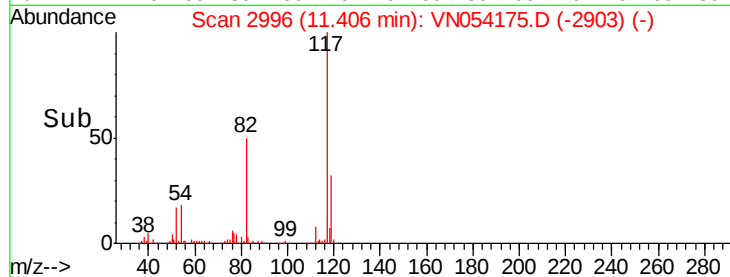
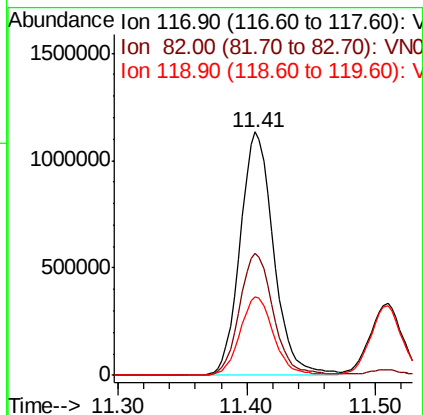
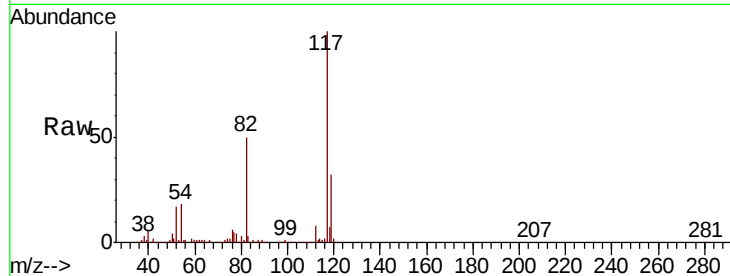
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 2051827
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.3 25.8 38.6

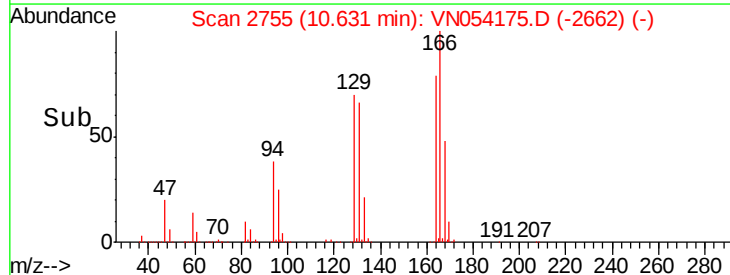
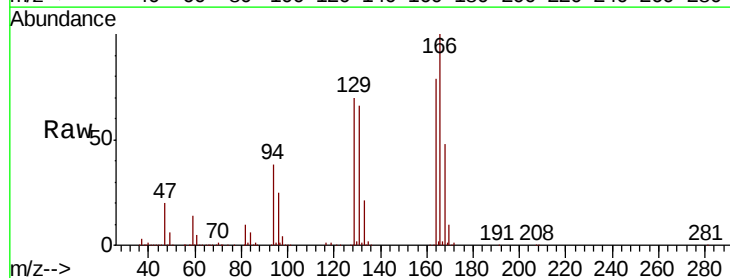
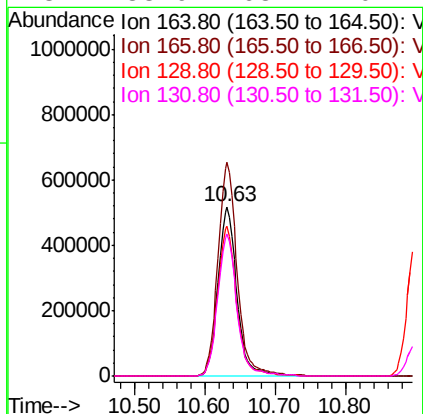
Manual Integrations
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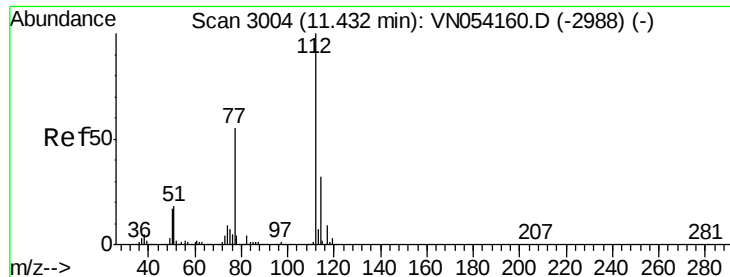
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#64
Tetrachloroethene
Concen: 48.918 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion:164 Resp: 970442
Ion Ratio Lower Upper
164 100
166 126.4 103.9 155.9
129 88.4 71.1 106.7
131 83.9 68.2 102.4





#65

Chlorobenzene

Concen: 50.634 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 2281189

Ion Ratio Lower Upper

112 100

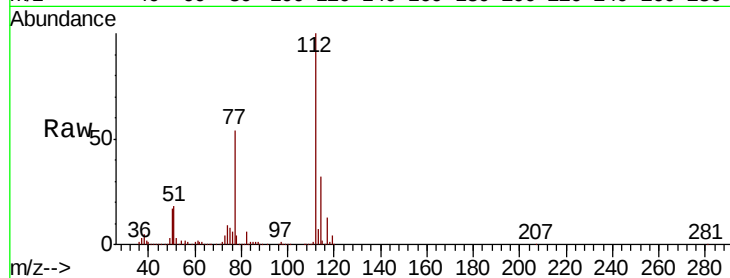
114 32.1 25.9 38.9

Manual Integrations

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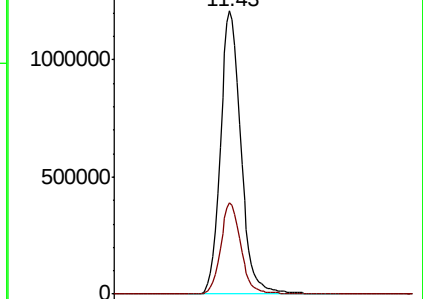
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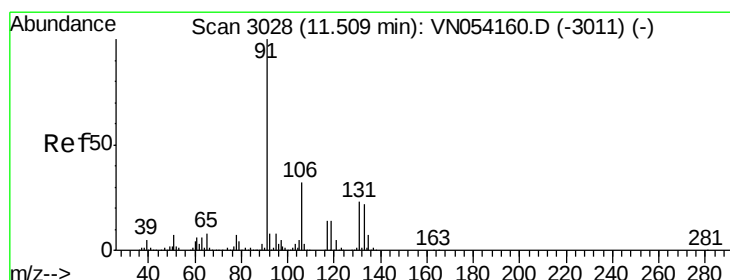
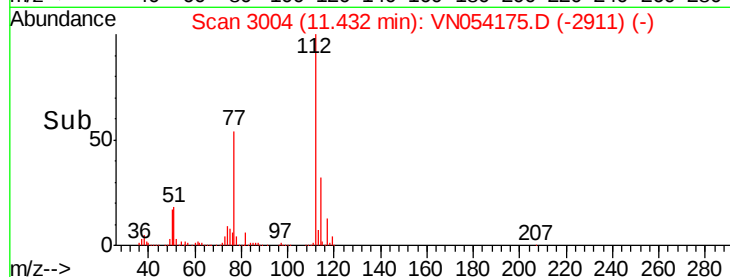


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 51.256 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

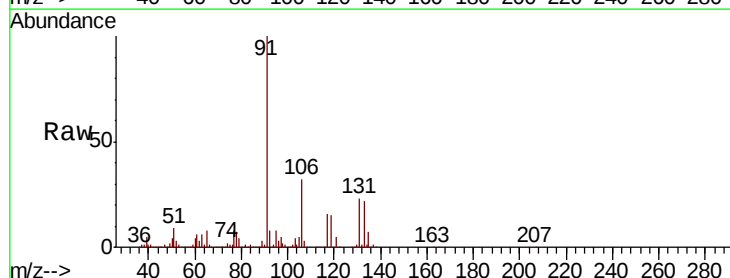
Tgt Ion:131 Resp: 838869

Ion Ratio Lower Upper

131 100

133 97.0 47.6 142.9

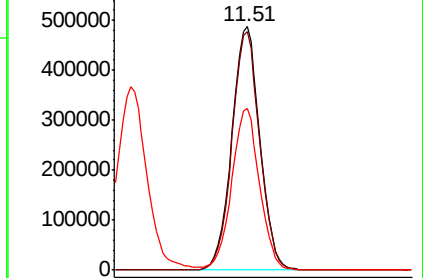
119 66.0 32.4 97.0



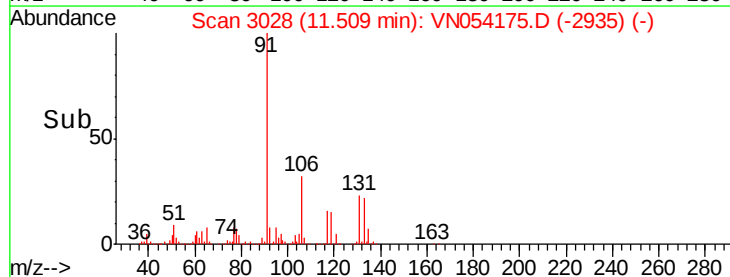
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 50.177 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 3747340

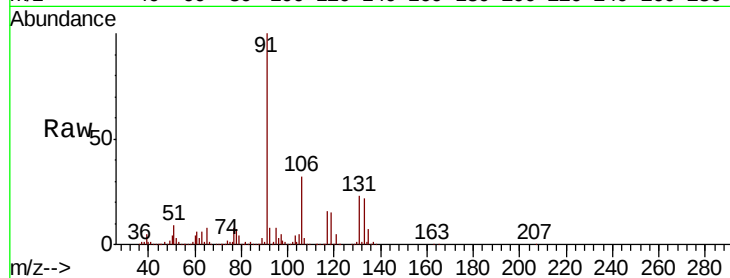
Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3

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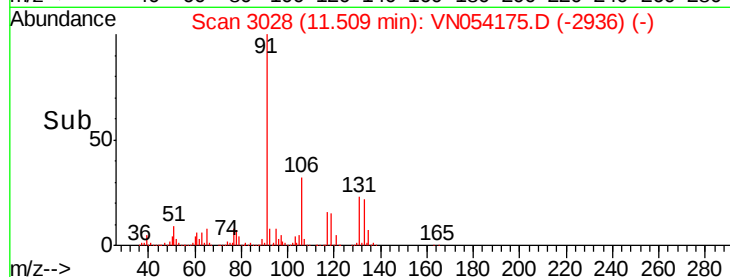
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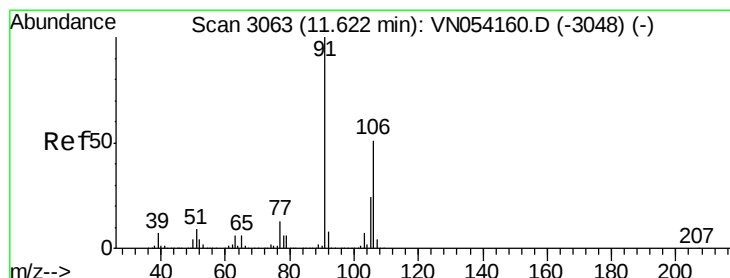
Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)

Time-->



Time-->



#68

m/p-Xylenes

Concen: 101.869 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054175.D

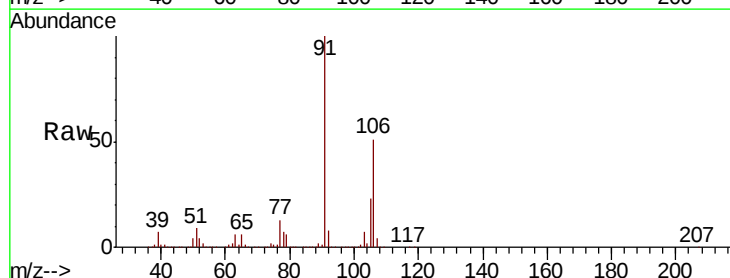
Acq: 12 Mar 2019 20:27

Tgt Ion: 106 Resp: 2973493

Ion Ratio Lower Upper

106 100

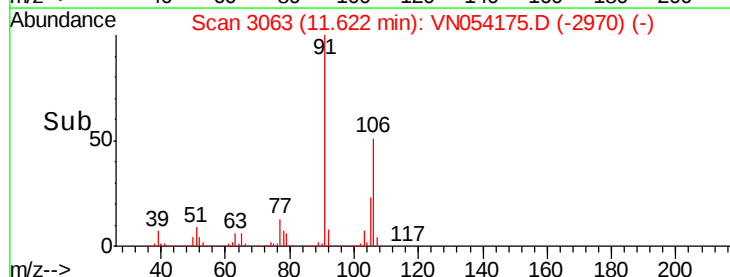
91 198.8 159.4 239.2



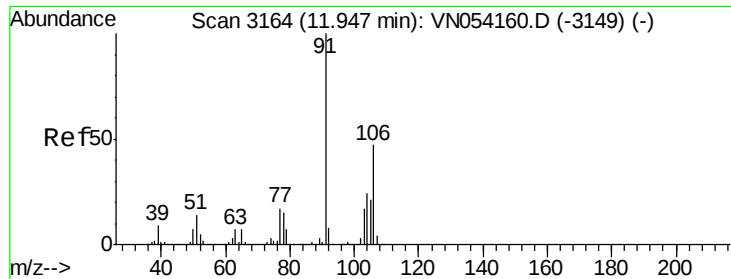
Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3048) (-)

Time-->



Time-->



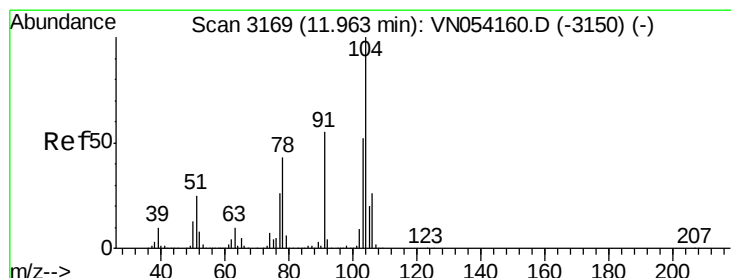
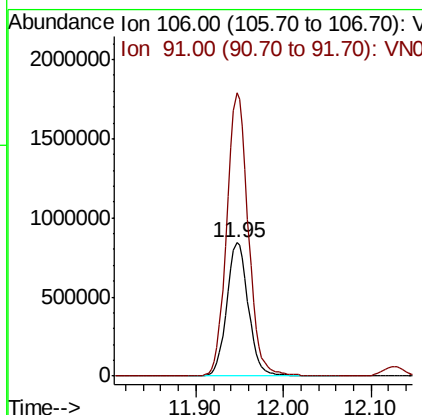
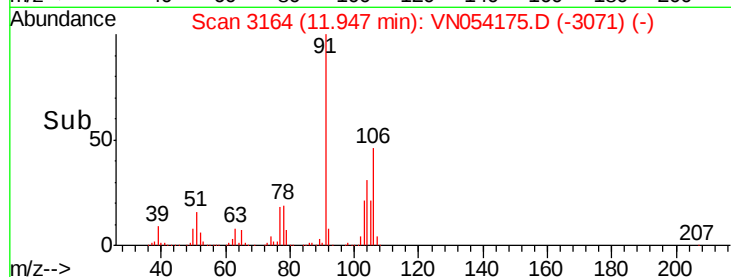
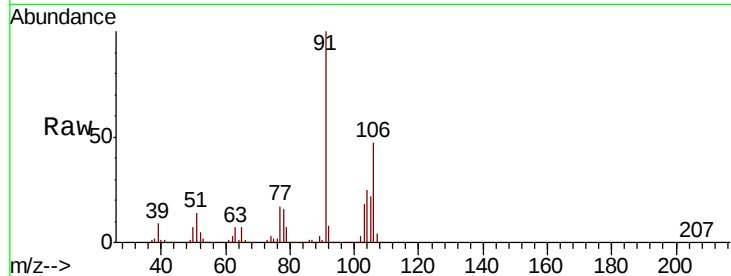
#69
o-Xylene
Concen: 50.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 1448541
Ion Ratio Lower Upper
106 100
91 211.2 105.7 317.1

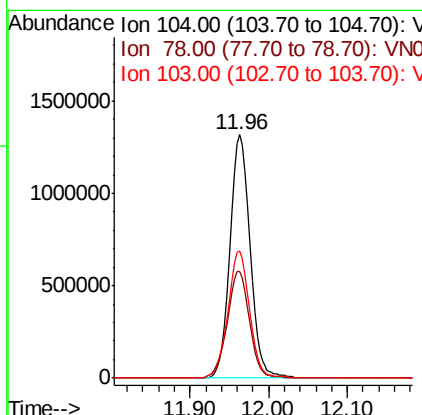
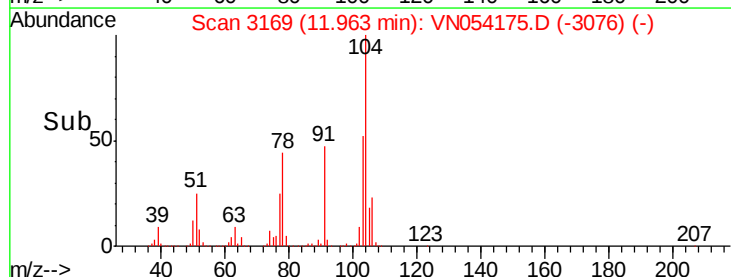
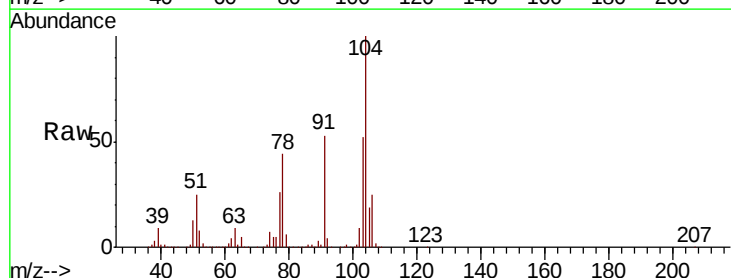
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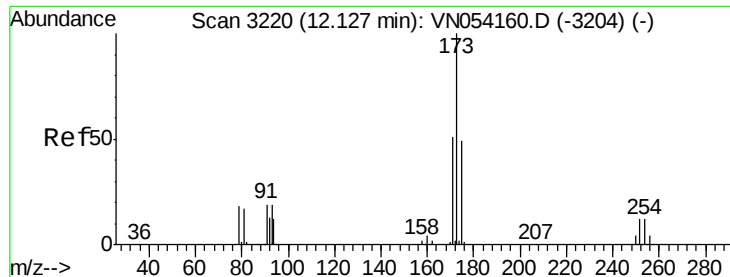
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#70
Styrene
Concen: 52.149 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion:104 Resp: 2327213
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 46.382 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 576431

Ion Ratio Lower Upper

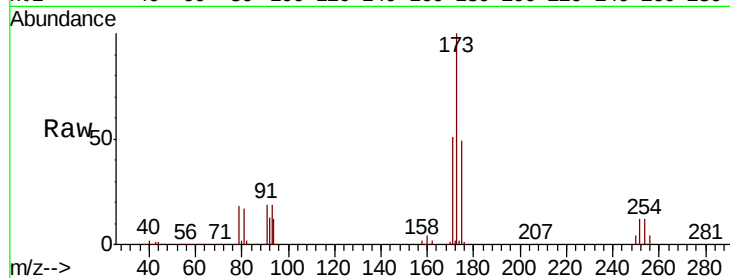
173 100

175 49.6 24.4 73.2

254 0.2 0.1 0.1#

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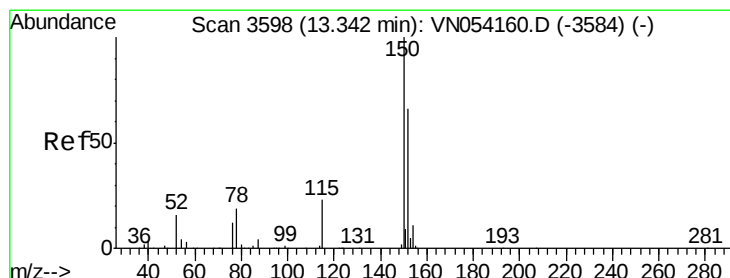
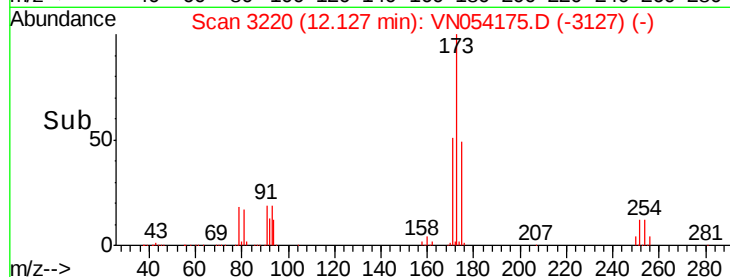
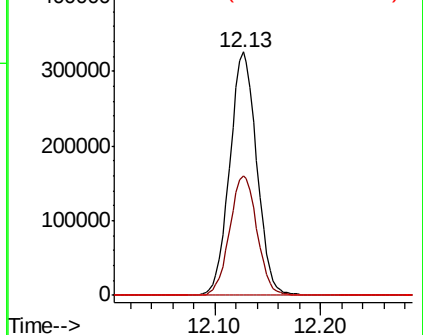
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054175.D

Acq: 12 Mar 2019 20:27

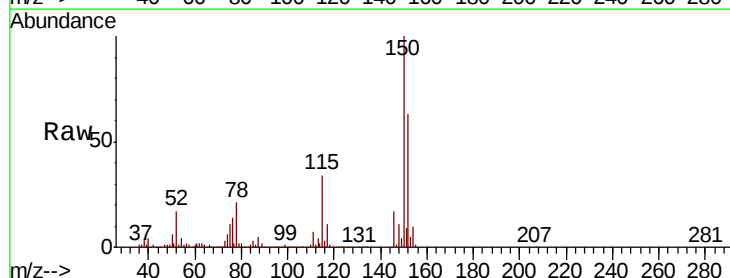
Tgt Ion:152 Resp: 1031992

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

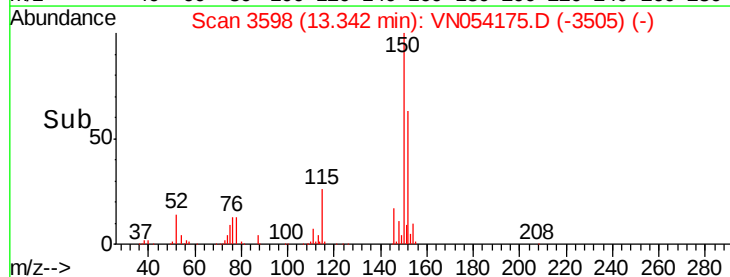
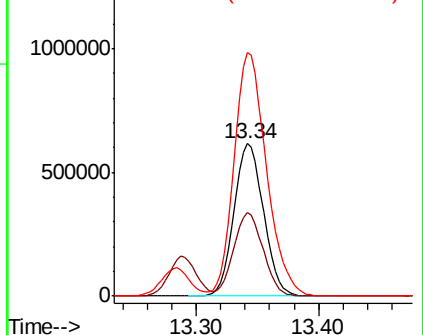
150 174.8 0.0 349.2



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: 46.838 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 3867243

Ion Ratio Lower Upper

105 100

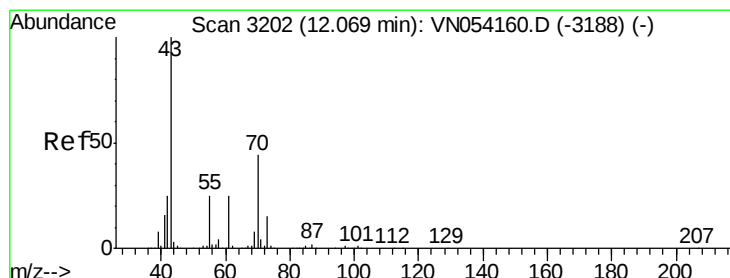
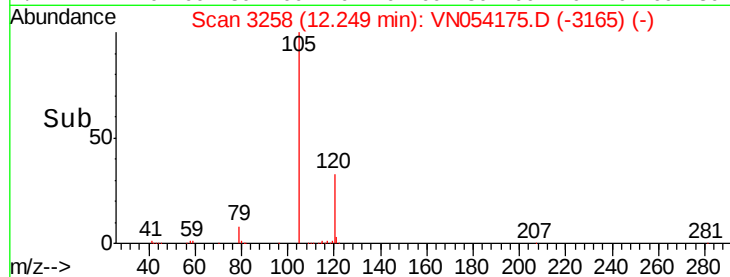
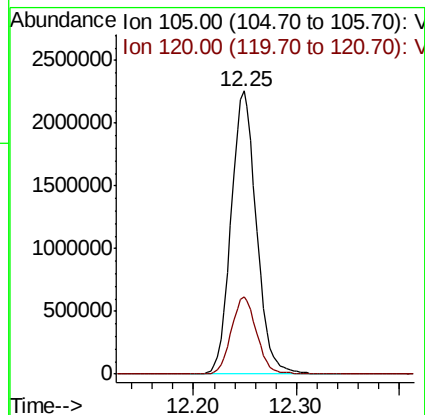
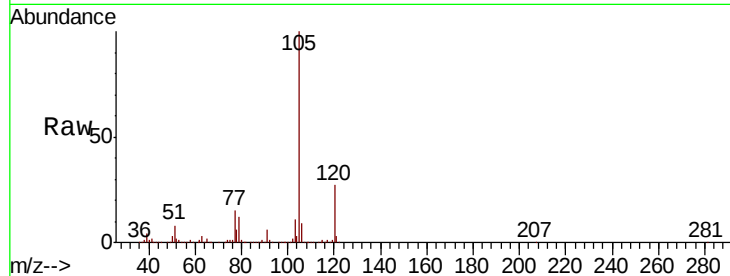
120 27.4 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.629 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Tgt Ion: 43 Resp: 909545

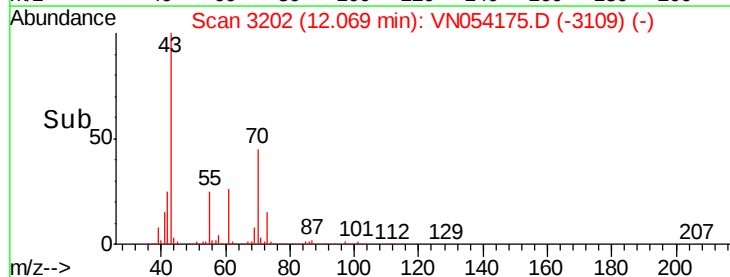
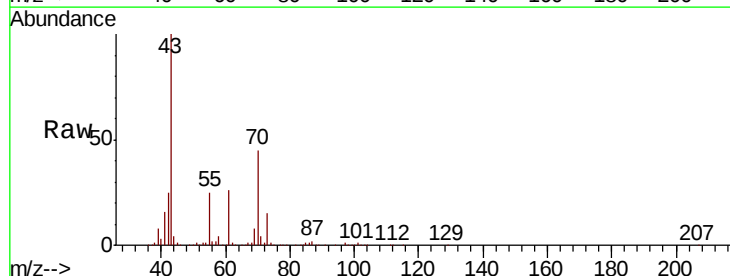
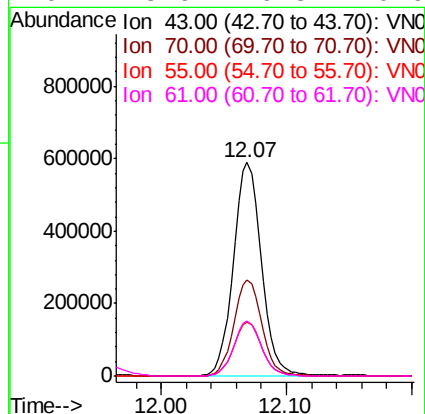
Ion Ratio Lower Upper

43 100

70 45.4 35.4 53.0

55 25.1 19.8 29.6

61 25.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.247 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 831119
Ion Ratio Lower Upper

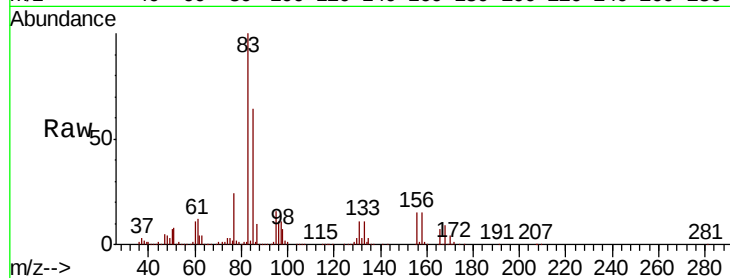
83 100

131 11.5 5.8 17.4

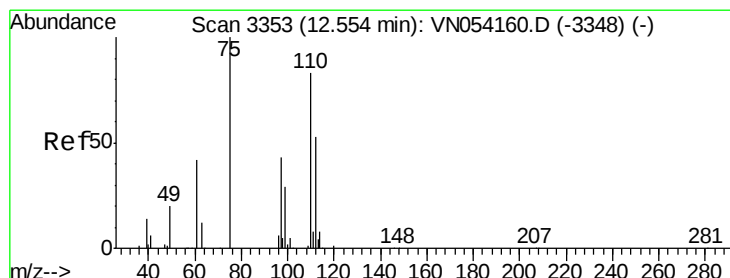
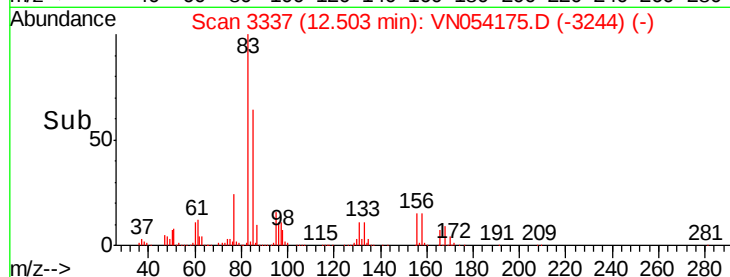
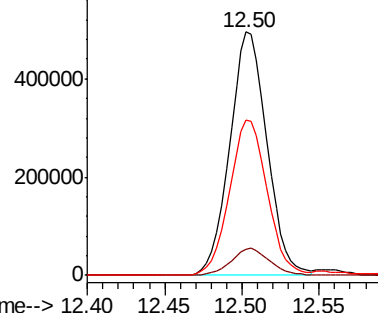
85 64.4 32.2 96.6

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



#76

1,2,3-Trichloropropane

Concen: 46.143 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

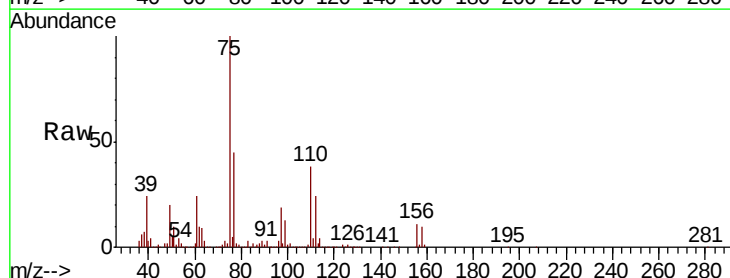
Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

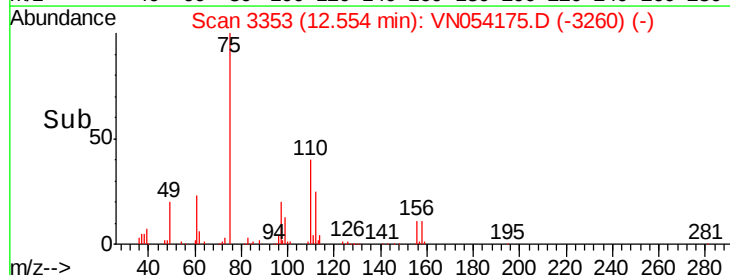
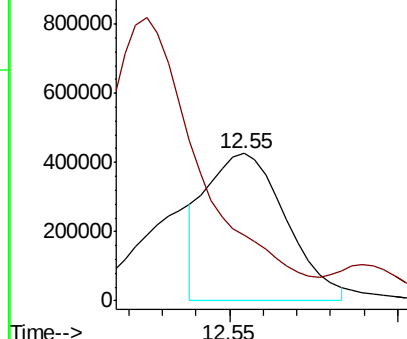
Tgt Ion: 75 Resp: 700269
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 156 Resp: 1038668

Ion Ratio Lower Upper

156 100

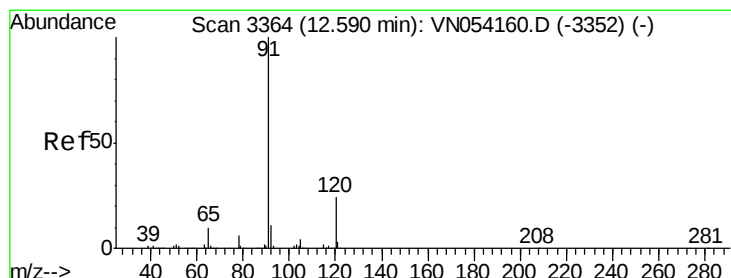
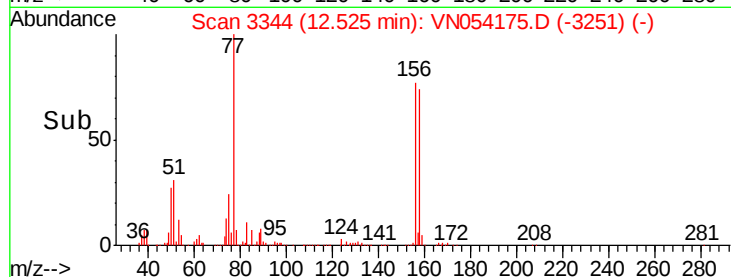
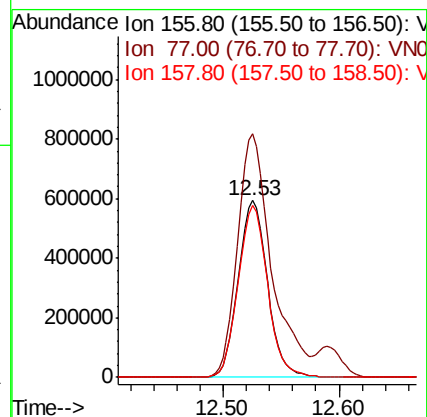
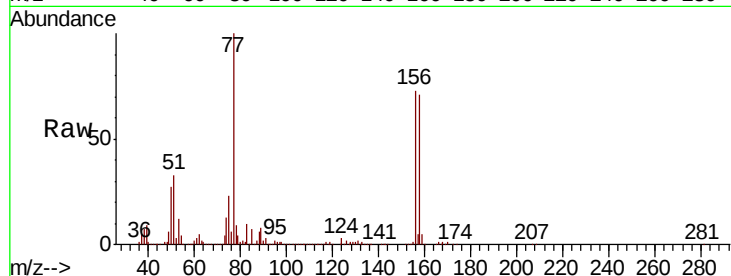
77 160.9 81.5 244.4

158 97.3 49.0 147.2

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#78

n-propylbenzene

Concen: 47.796 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054175.D

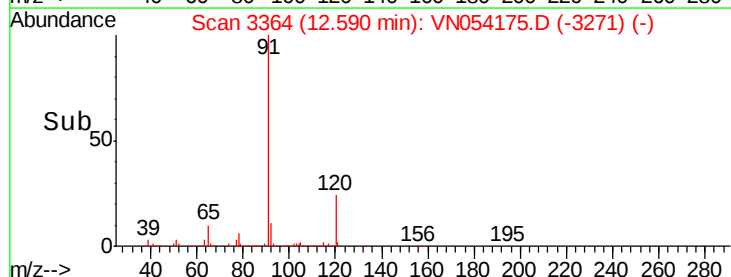
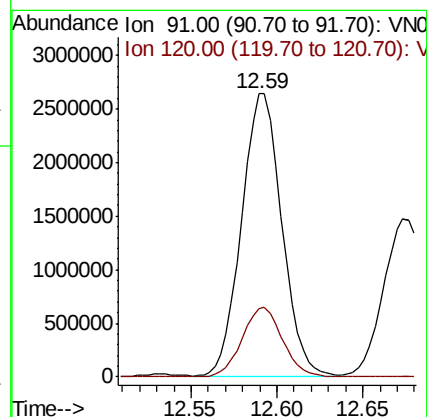
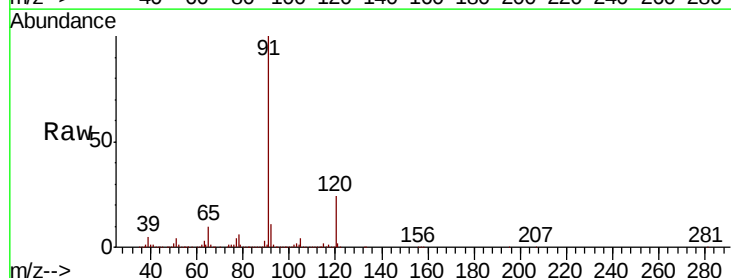
Acq: 12 Mar 2019 20:27

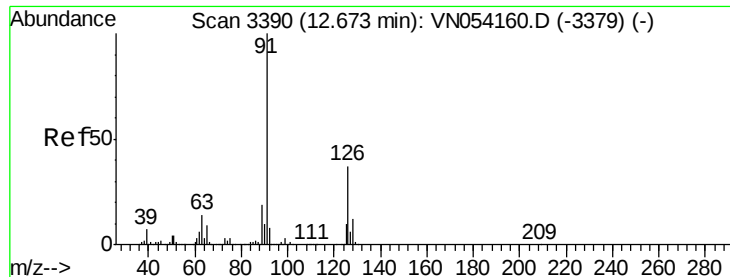
Tgt Ion: 91 Resp: 4281997

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.9





#79

2-Chlorotoluene

Concen: 47.207 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2542916

Ion Ratio Lower Upper

91 100

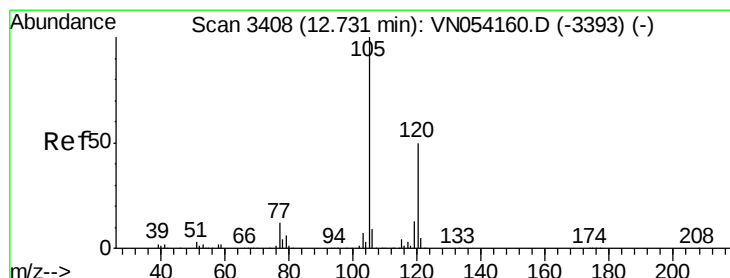
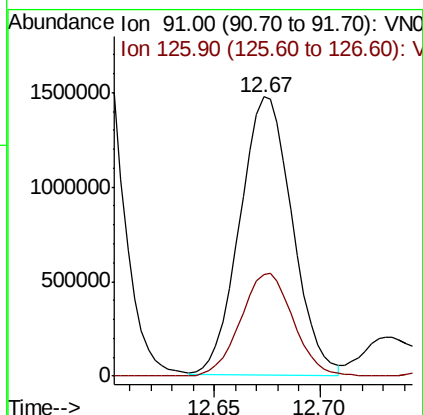
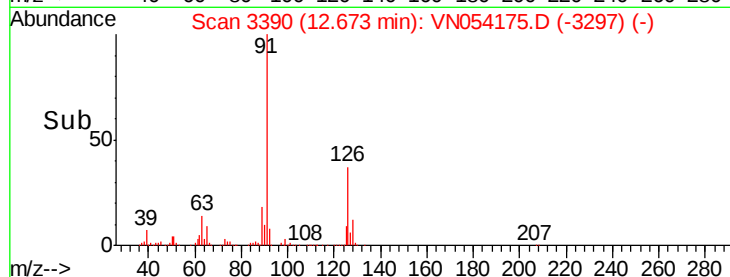
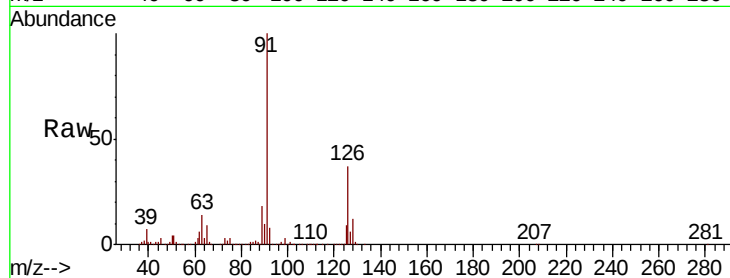
126 37.2 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 47.268 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054175.D

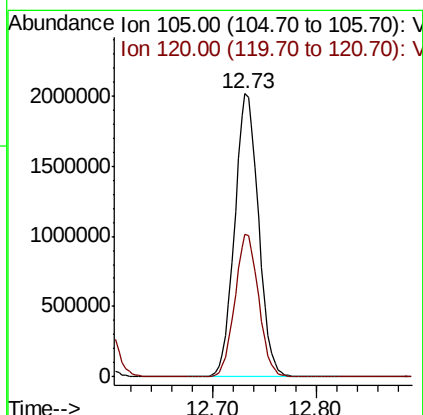
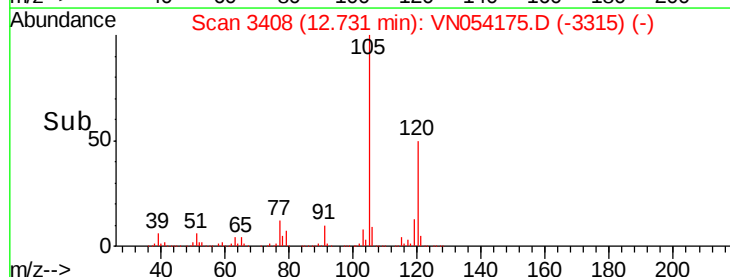
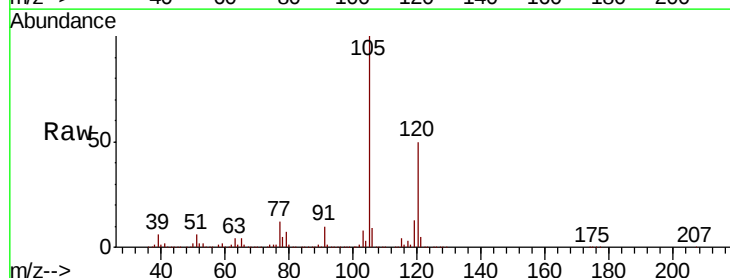
Acq: 12 Mar 2019 20:27

Tgt Ion: 105 Resp: 3246233

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.344 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

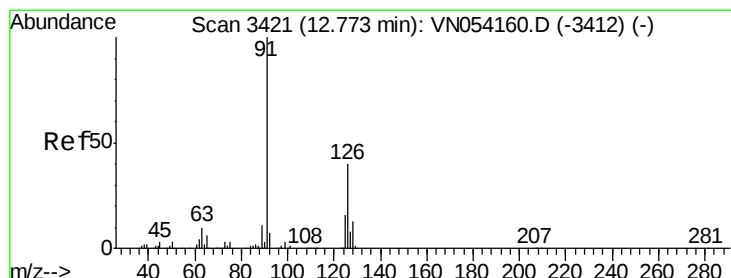
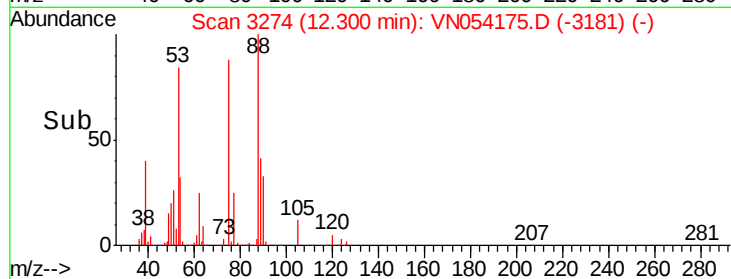
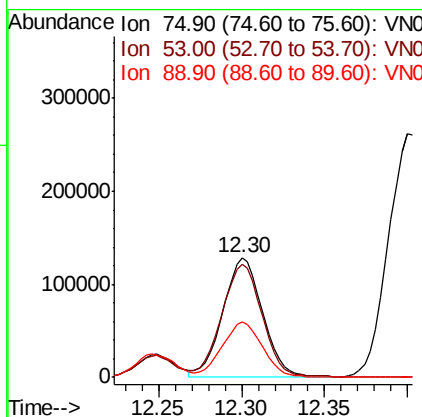
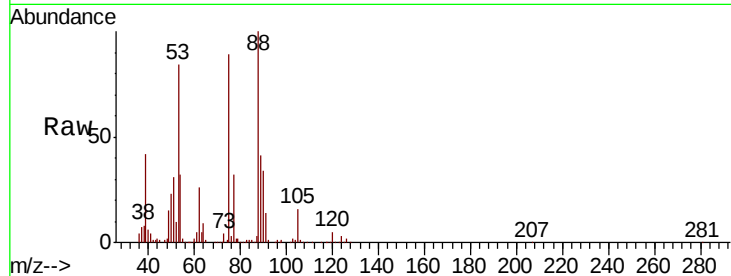
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	210181
Ion	Ratio	Lower	Upper
75	100		
53	98.3	76.2	114.2
89	48.3	39.2	58.8

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#82

4-Chlorotoluene

Concen: 47.922 ug/l

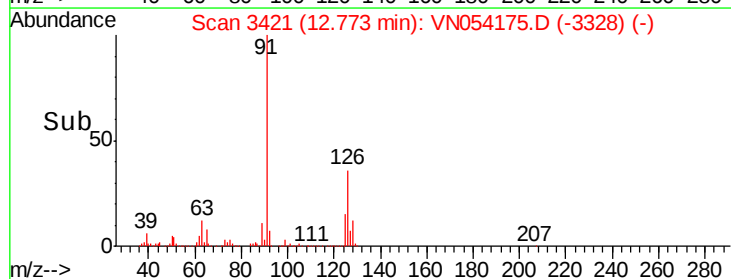
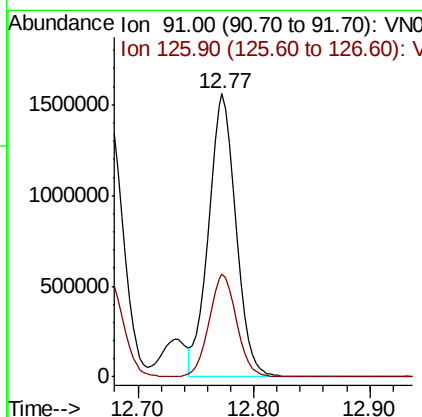
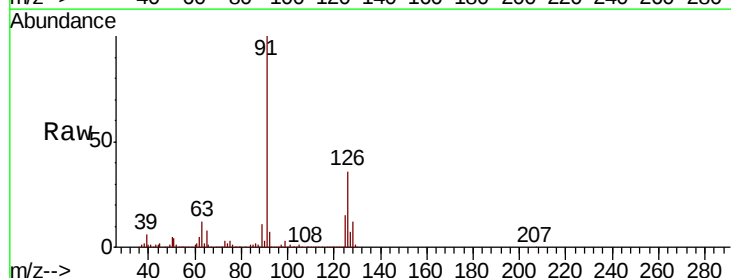
RT: 12.77 min Scan# 3421

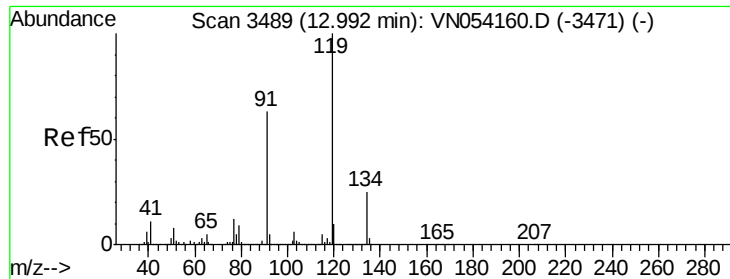
Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Tgt Ion:	91	Resp:	2577655
Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.1	54.1





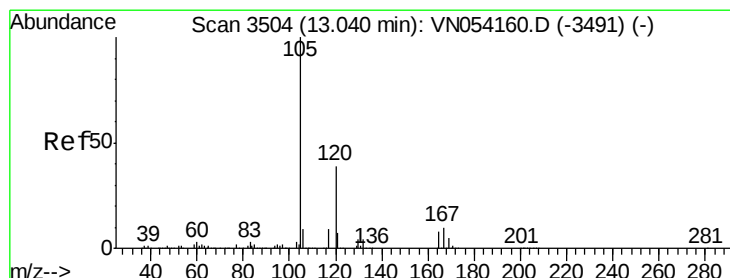
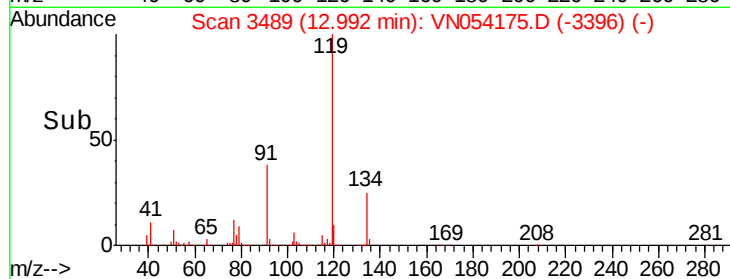
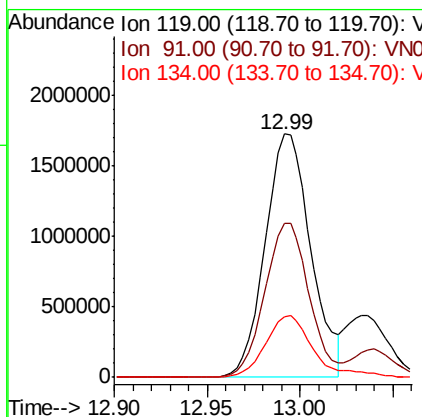
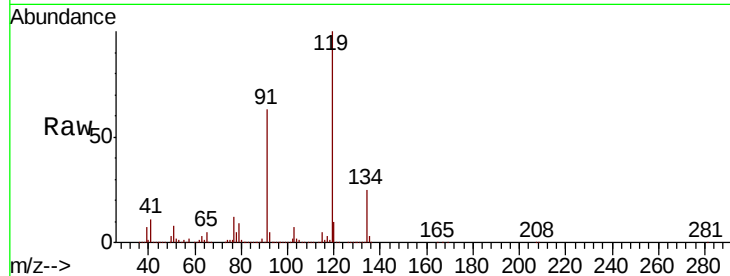
#83
 tert-Butylbenzene
 Concen: 46.955 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.9	92.8
134	26.5	13.2	39.6

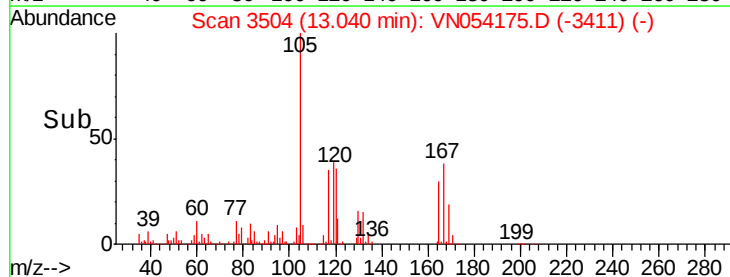
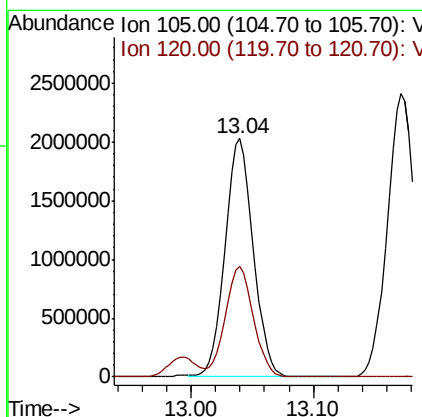
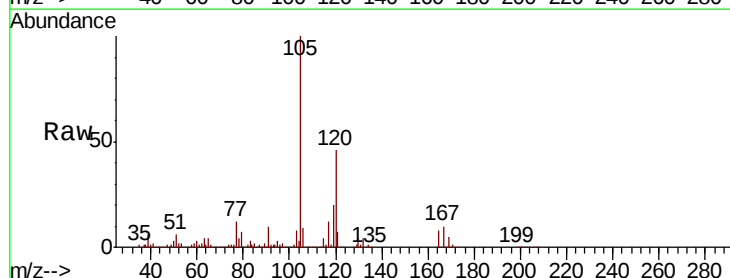
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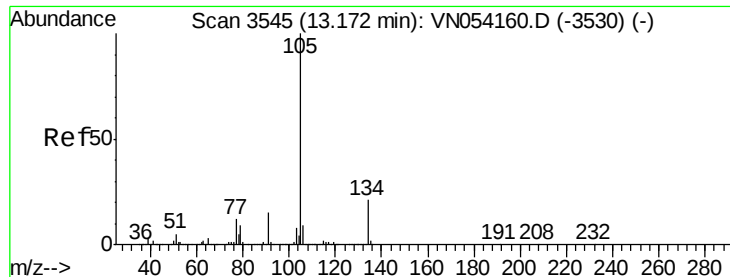
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.734 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





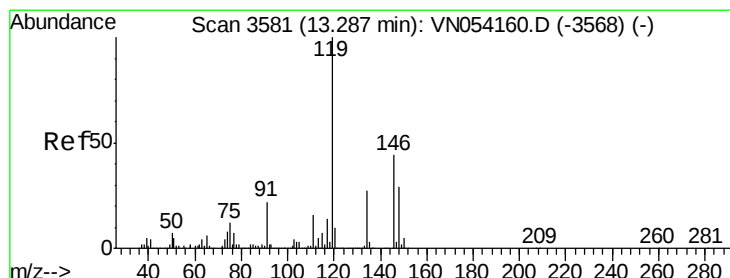
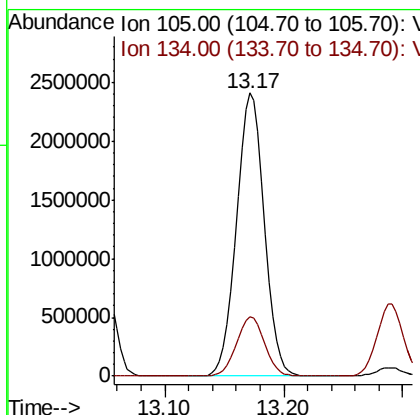
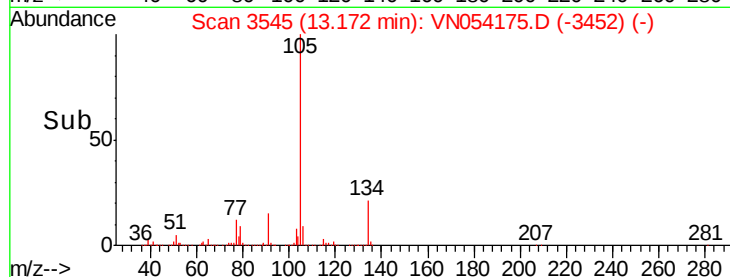
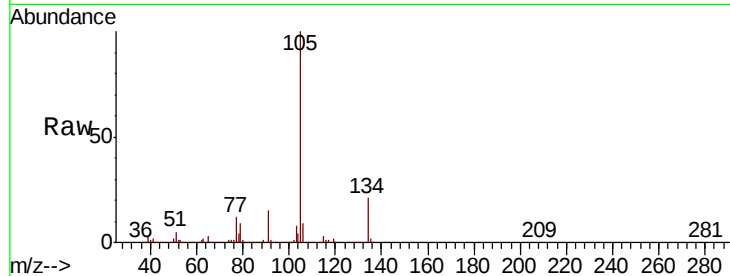
#85
 sec-Butylbenzene
 Concen: 47.282 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 3876140
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 32.1

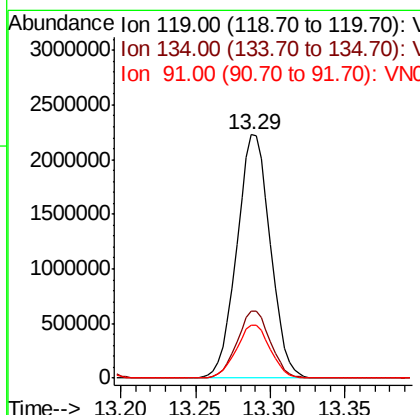
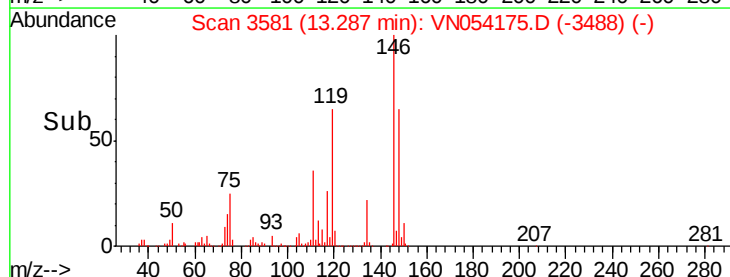
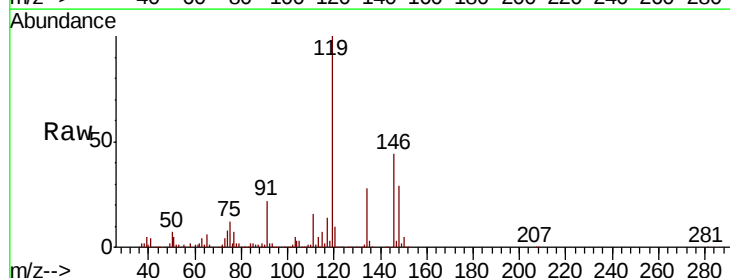
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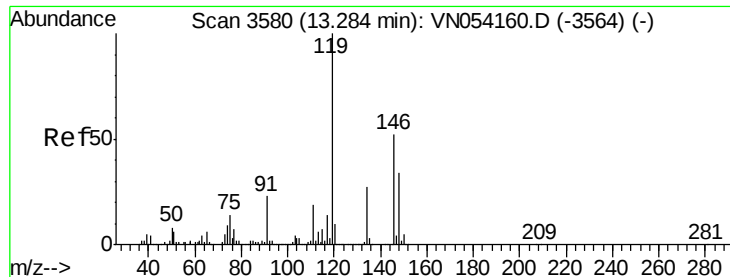
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#86
 p-Isopropyltoluene
 Concen: 48.183 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion:119 Resp: 3465356
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.6 40.8
 91 22.0 11.1 33.3





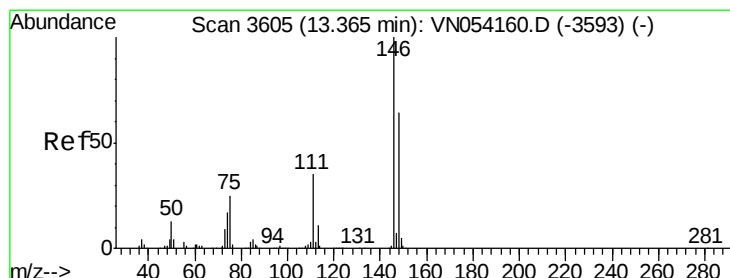
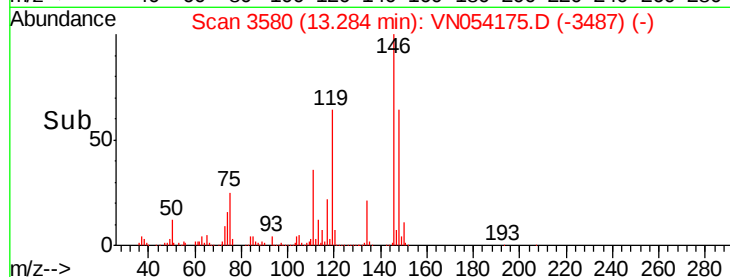
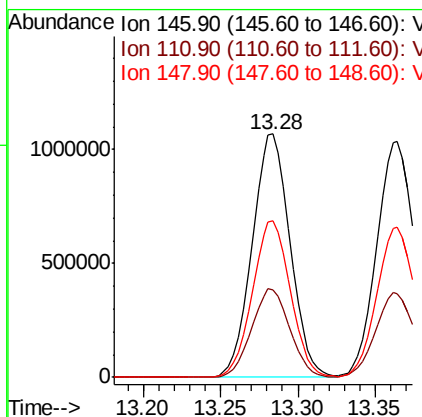
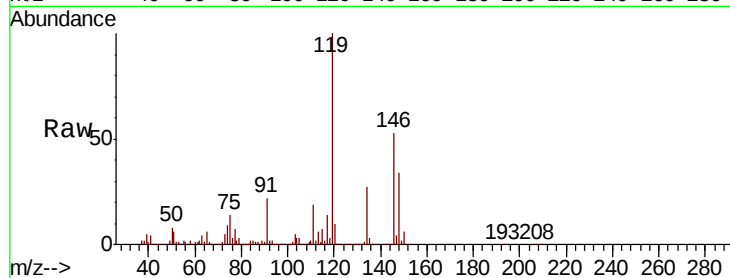
#87
 1,3-Dichlorobenzene
 Concen: 49.575 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	64.4	32.2	96.6

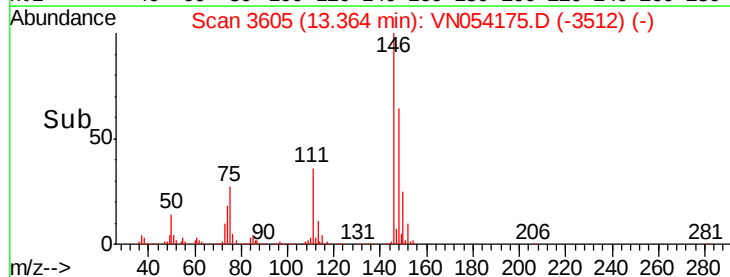
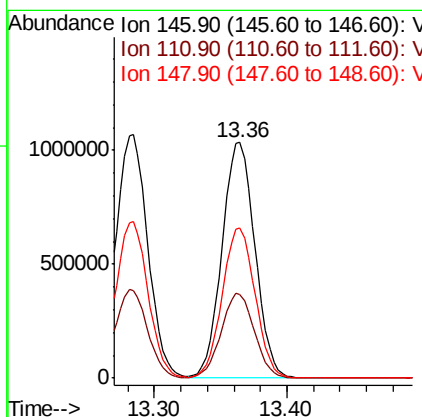
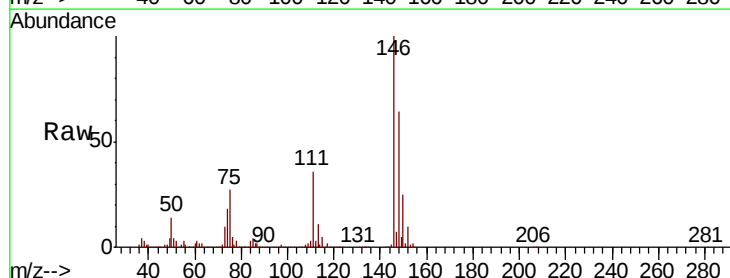
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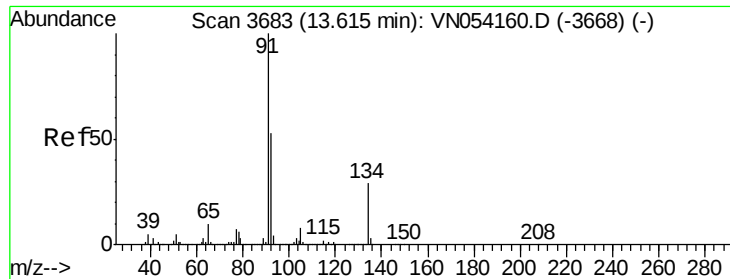
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#88
 1,4-Dichlorobenzene
 Concen: 49.254 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	63.6	32.0	96.0





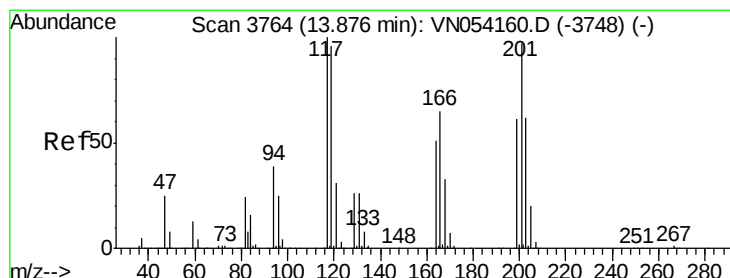
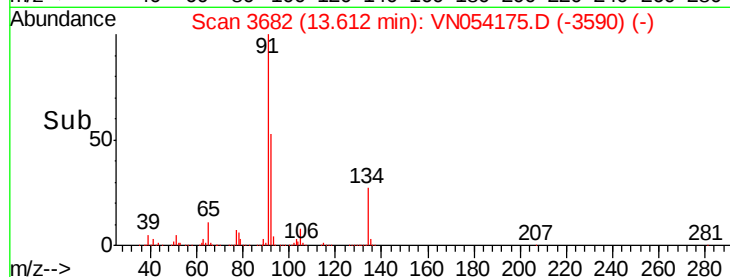
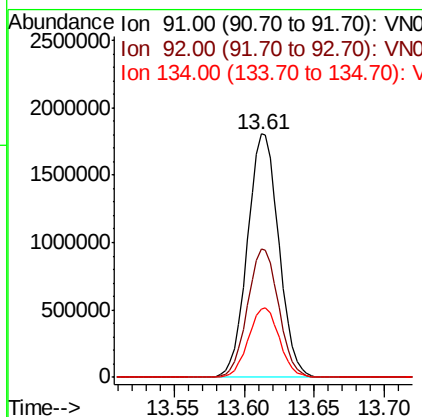
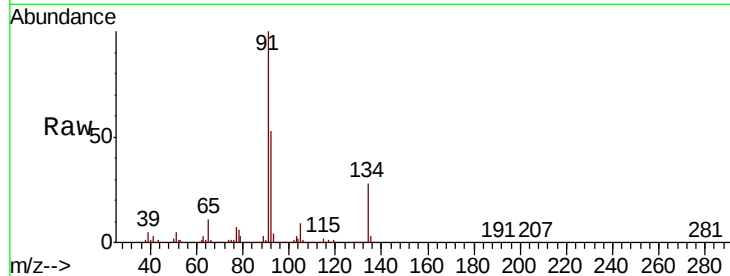
#89
n-Butylbenzene
Concen: 51.421 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	28.3	14.3	42.9

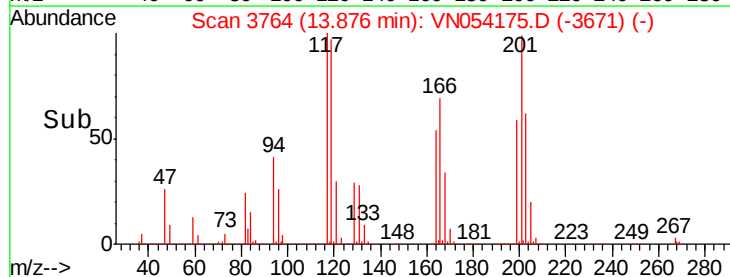
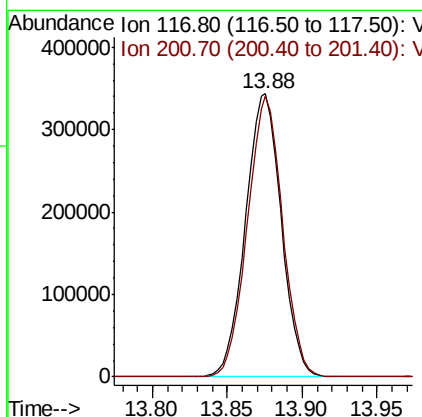
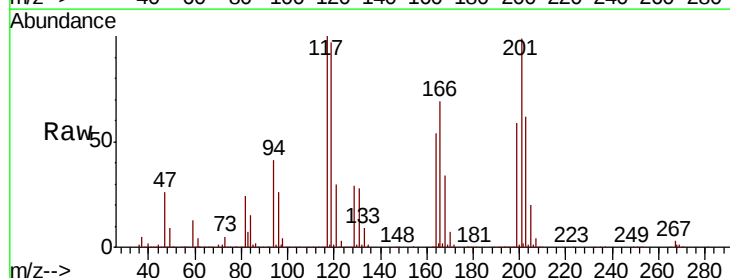
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#90
Hexachloroethane
Concen: 47.988 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	48.1	144.4





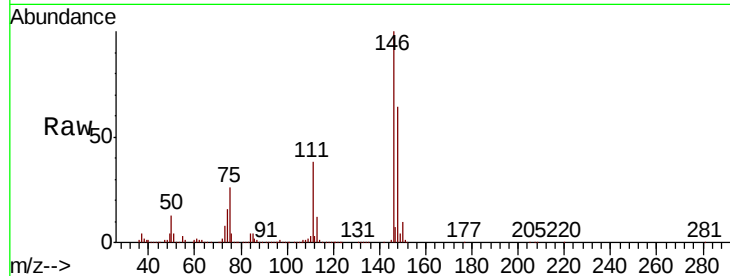
#91
 1,2-Dichlorobenzene
 Concen: 49.446 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.1	32.4	97.0

Manual Integrations
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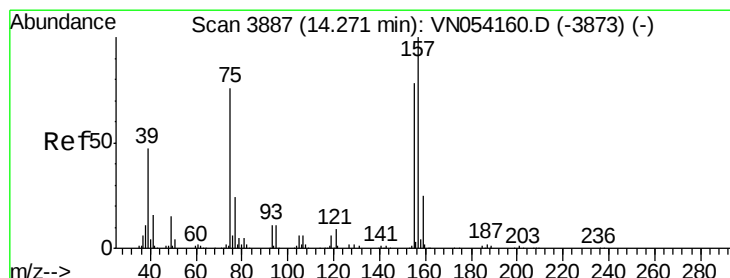
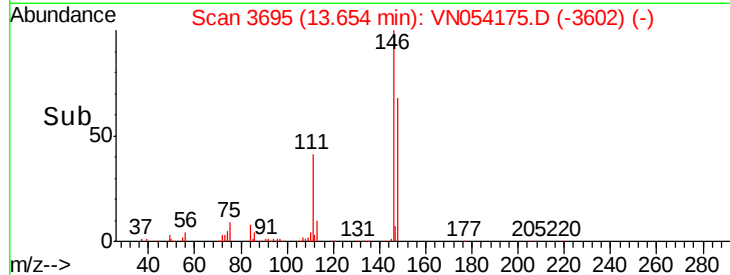
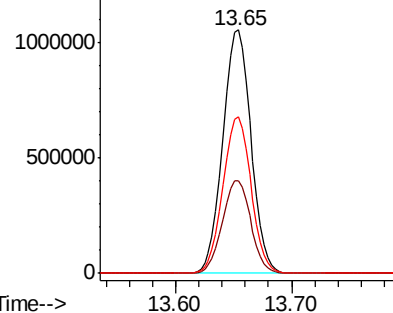


Abundance

Ion 145.90 (145.60 to 146.60): V

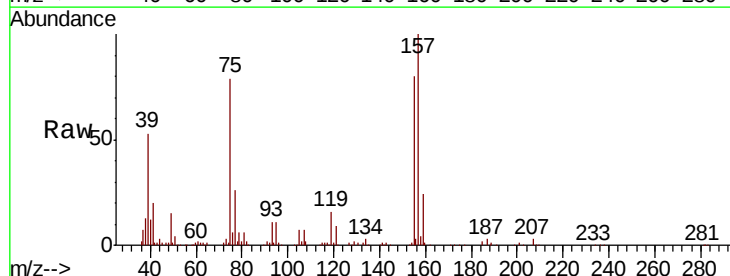
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.347 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	50.1	150.3
157	126.8	63.1	189.3

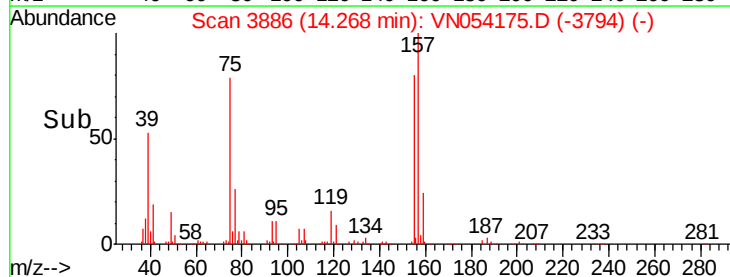
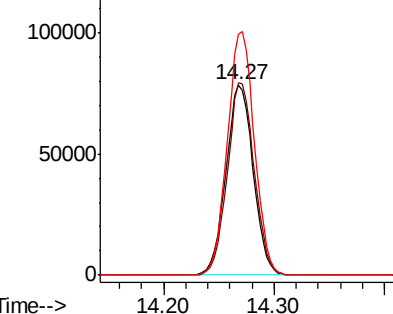


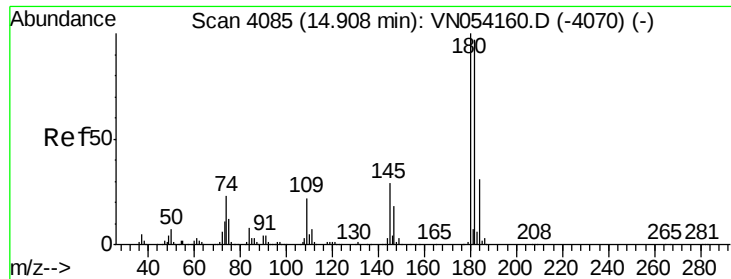
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





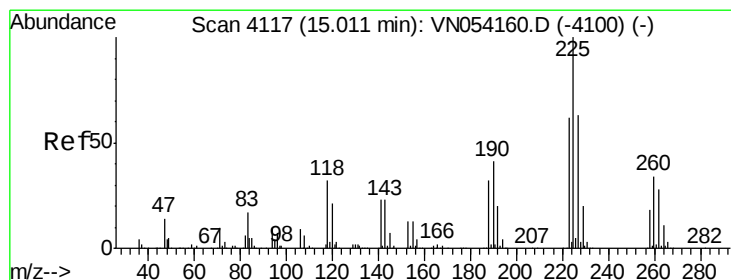
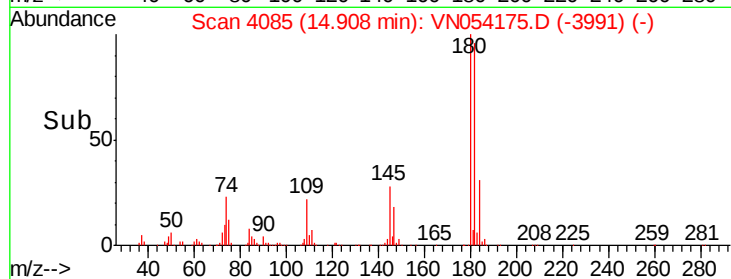
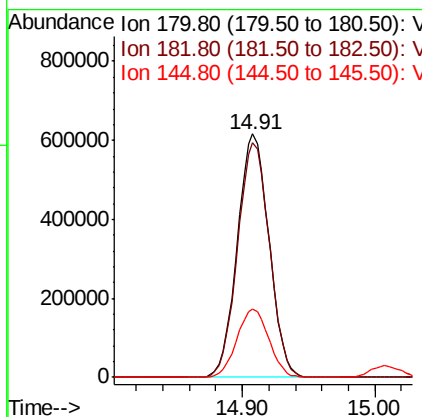
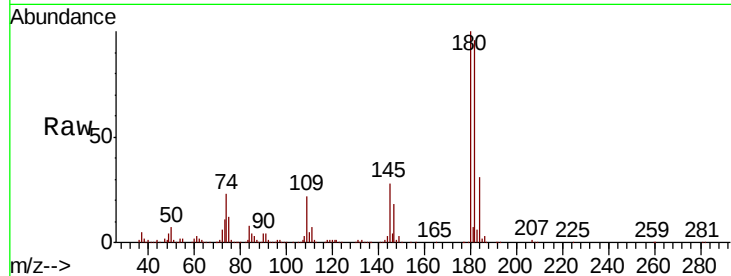
#93
 1,2,4-Trichlorobenzene
 Concen: 47.155 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	28.1	14.2	42.8

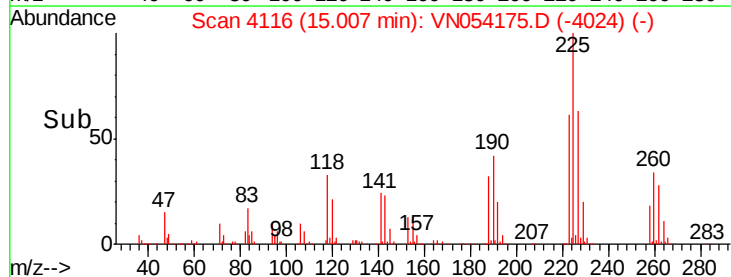
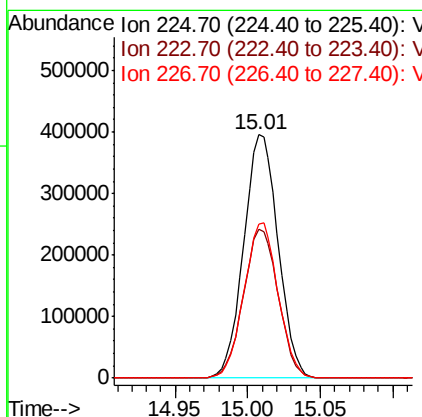
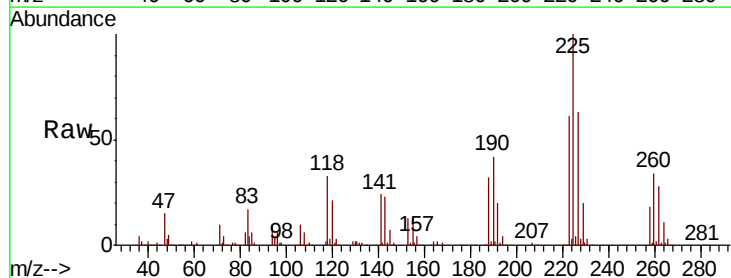
Manual Integrations
 APPROVED

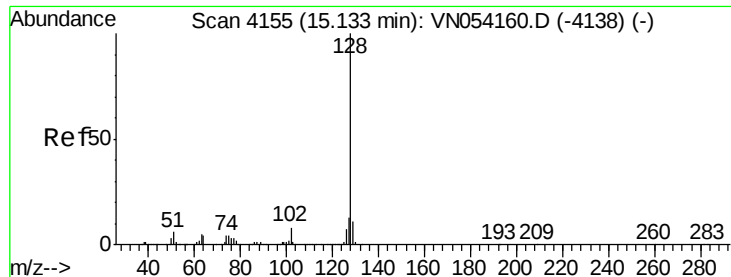
MMDadoda
 3/13/2019 11:42:15 AM



#94
 Hexachlorobutadiene
 Concen: 47.700 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.5
227	63.2	31.9	95.9





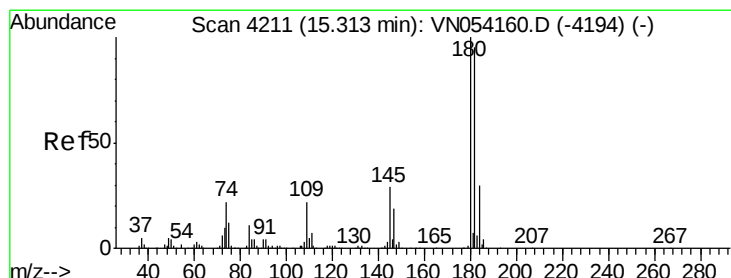
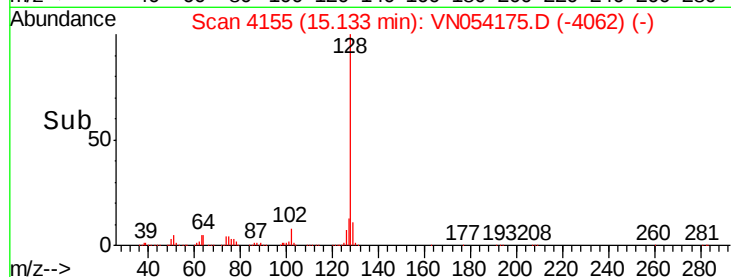
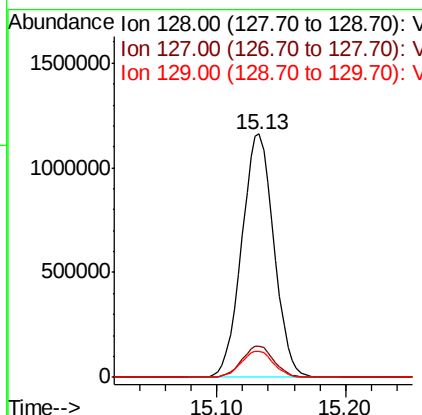
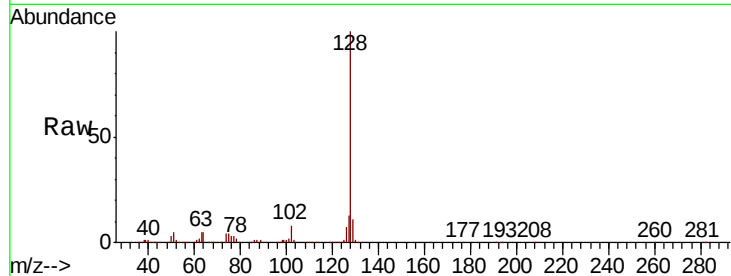
#95
Naphthalene
Concen: 44.857 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:42:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.910 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.6
145	29.6	14.8	44.3

