

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122420\
 Data File : VV019841.D
 Acq On : 24 Dec 2020 18:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Quant Time: Dec 25 05:38:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 05:36:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	631832	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	602072	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	289135	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	217194	47.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.88%
7) Chloroethane-d5	1.57	69	179745	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.11	63	411513	48.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.88%
21) 2-Butanone-d5	3.89	46	366826	148.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	148.96%#
24) Chloroform-d	4.35	84	430987	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.56%
26) 1,2-Dichloroethane-d4	5.04	65	283947	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.42%
32) Benzene-d6	5.05	84	818749	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
36) 1,2-Dichloropropane-d6	6.07	67	267506	53.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.36%
41) Toluene-d8	7.32	98	721604	49.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.82%
43) trans-1,3-Dichloropropene-	7.63	79	126212	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.09	63	242196	122.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.68%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	361310	53.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.63	152	267359	49.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	200314	39.285	ug/L 100
3) Chloromethane	1.24	50	242207	44.688	ug/L 99
5) Vinyl chloride	1.31	62	237509	43.688	ug/L 99
6) Bromomethane	1.52	94	143141	43.844	ug/L 98
8) Chloroethane	1.59	64	154453	47.102	ug/L 99
9) Trichlorofluoromethane	1.75	101	302844	45.595	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	172807	47.111	ug/L 96
12) 1,1-Dichloroethene	2.12	96	166695	44.286	ug/L # 64
13) Acetone	2.19	43	257354	122.671	ug/L 98
14) Carbon disulfide	2.30	76	463942	37.512	ug/L 100
15) Methyl Acetate	2.44	43	269872	59.043	ug/L 98
16) Methylene chloride	2.51	84	217631	49.313	ug/L 95
17) trans-1,2-Dichloroethene	2.76	96	186179	45.127	ug/L 97
18) Methyl tert-butyl Ether	2.77	73	689958	47.859	ug/L 99
19) 1,1-Dichloroethane	3.19	63	405704	50.722	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	218359	48.146	ug/L # 96
22) 2-Butanone	3.98	43	380548	123.660	ug/L 97

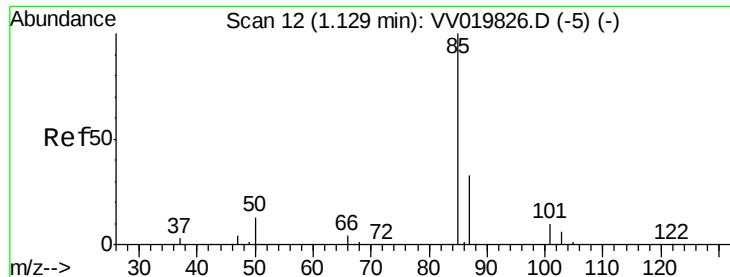
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122420\
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 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 05:36:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	105090	47.093	ug/L	92
25) Chloroform	4.38	83	400286	50.109	ug/L	100
27) 1,2-Dichloroethane	5.14	62	331019	50.018	ug/L	100
29) Cyclohexane	4.68	56	313150	42.438	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	337887	44.758	ug/L	98
31) Carbon tetrachloride	4.83	117	270703	42.477	ug/L	100
33) Benzene	5.10	78	841198	47.806	ug/L	100
34) Trichloroethene	5.92	95	214752	46.201	ug/L	99
35) Methylcyclohexane	6.14	83	306811	43.449	ug/L	98
37) 1,2-Dichloropropane	6.18	63	230480	50.157	ug/L	100
38) Bromodichloromethane	6.51	83	295641	46.010	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	355591	46.593	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	746178	112.554	ug/L	98
42) Toluene	7.39	91	863148	46.542	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	337966	43.734	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	215341	49.348	ug/L	98
46) Tetrachloroethene	7.98	164	140183	43.585	ug/L	98
48) 2-Hexanone	8.14	43	581147	115.528	ug/L	97
49) Dibromochloromethane	8.25	129	213365	44.648	ug/L	99
50) 1,2-Dibromoethane	8.36	107	219224	47.707	ug/L	99
51) Chlorobenzene	8.89	112	550199	46.451	ug/L	100
52) Ethylbenzene	9.02	91	972119	46.007	ug/L	100
53) m,p-Xylene	9.14	106	352170	44.613	ug/L	98
54) o-xylene	9.55	106	347399	44.898	ug/L	99
55) Styrene	9.57	104	623966	46.270	ug/L	99
56) Isopropylbenzene	9.94	105	937907	45.501	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	350727	49.979	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	300001	52.487	ug/L	98
61) Bromoform	9.74	173	137149	42.869	ug/L	98
62) 1,3-Dichlorobenzene	11.19	146	412021	46.446	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	421176	46.886	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	424092	48.381	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.44	75	86398	47.218	ug/L	96
67) 1,3,5-Trichlorobenzene	12.65	180	299228	47.742	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	276133	47.120	ug/L	100
69) Naphthalene	13.51	128	956015	46.982	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	277599	48.473	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 39.285 ug/L

RT: 1.13 min Scan# 12

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

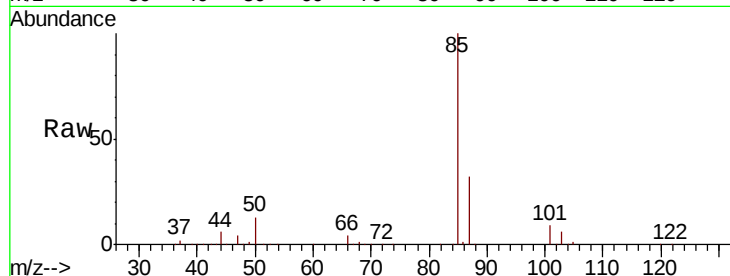
VSTD05074

Tot Ion: 85 Resp: 200314

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV019841.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019841.D (-1) (-)

1.13

200000

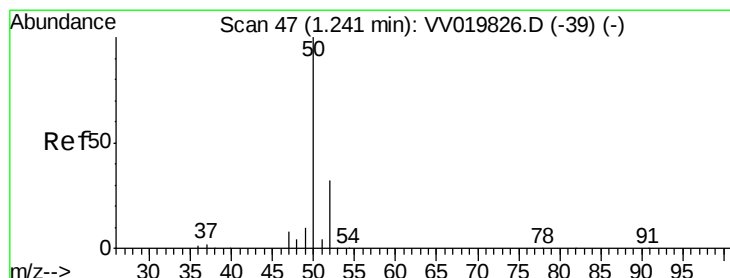
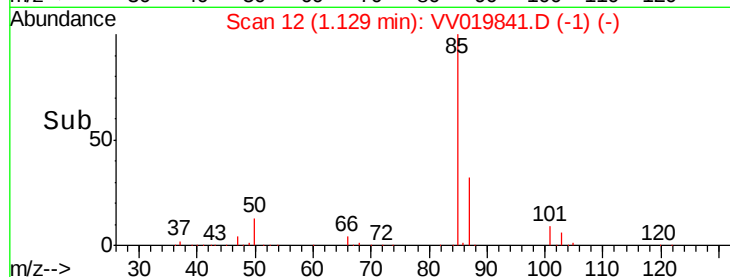
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.688 ug/L

RT: 1.24 min Scan# 47

Delta R.T. 0.00 min

Lab File: VV019841.D

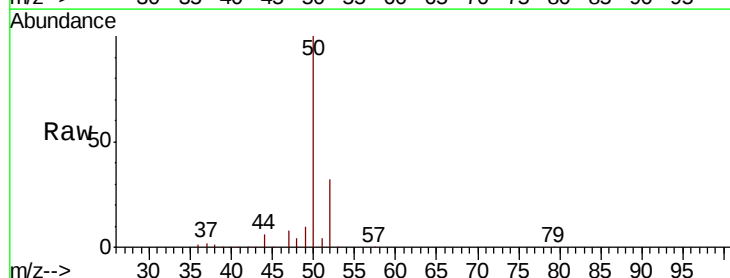
Acq: 24 Dec 2020 18:14

Tgt Ion: 50 Resp: 242207

Ion Ratio Lower Upper

50 100

52 32.3 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV019841.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019841.D (-1) (-)

1.24

250000

200000

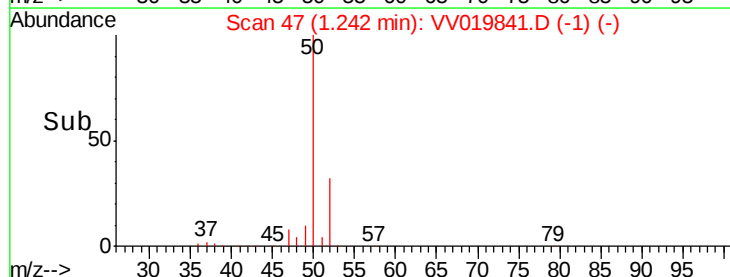
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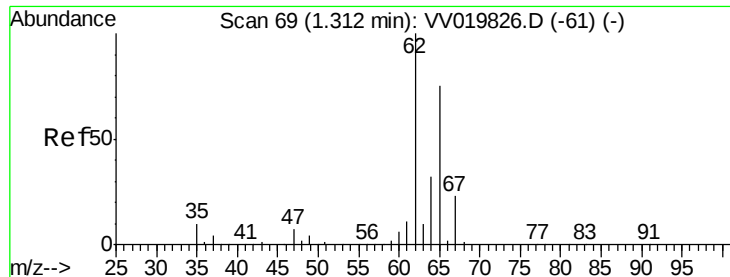
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 43.688 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

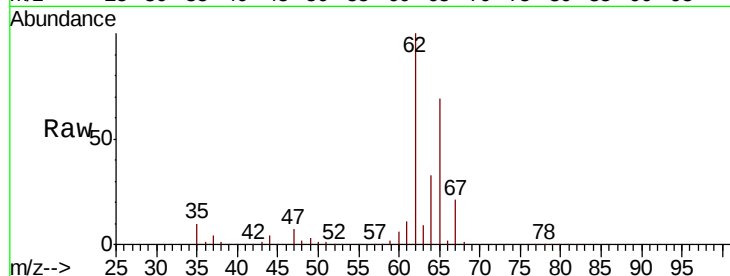
VSTD05074

Tot Ion: 62 Resp: 237509

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

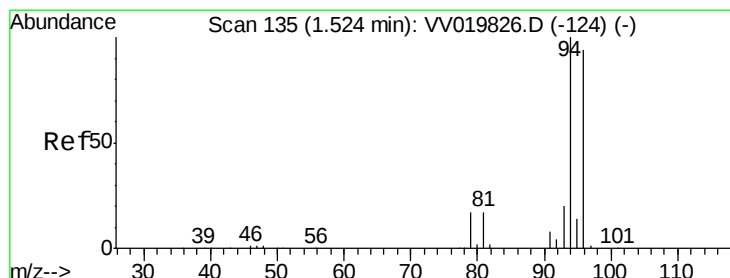
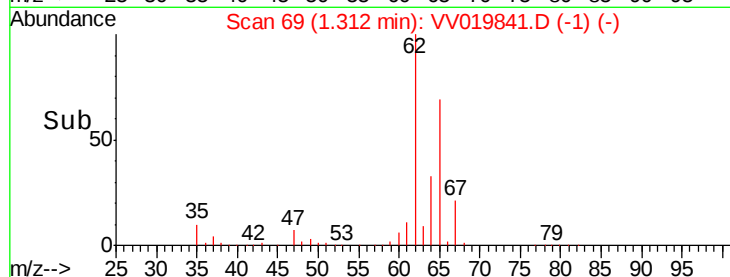
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 43.844 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019841.D

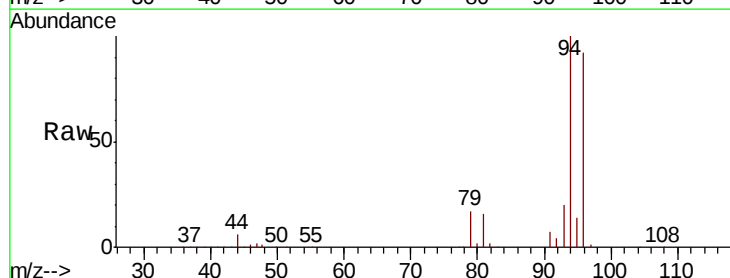
Acq: 24 Dec 2020 18:14

Tgt Ion: 94 Resp: 143141

Ion Ratio Lower Upper

94 100

96 91.6 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

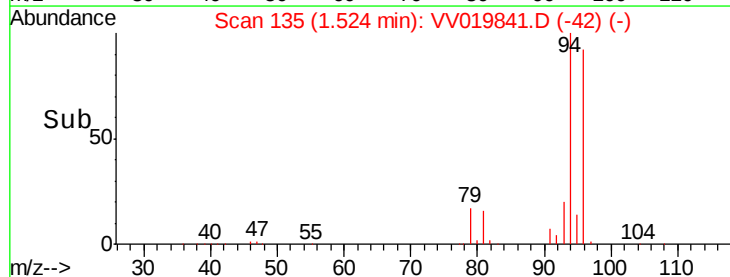
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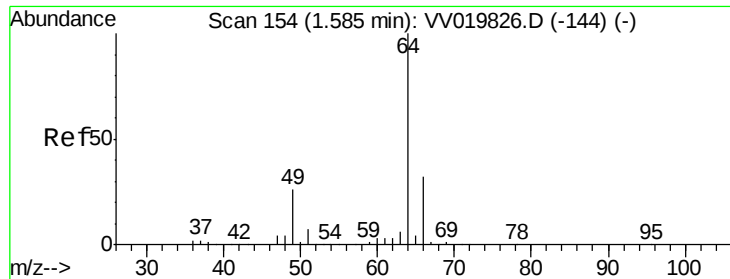
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50000

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Time-->





#8

Chloroethane

Concen: 47.102 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

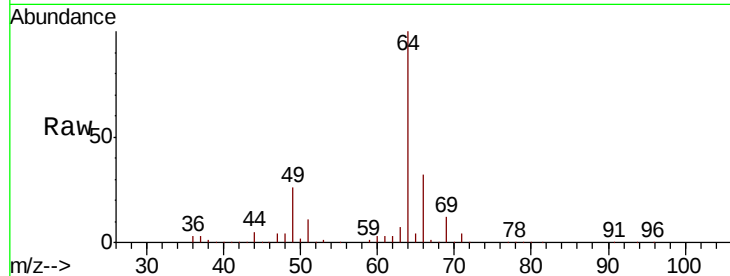
VSTD05074

Tot Ion: 64 Resp: 154453

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019841.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VV019841.D (-154) (-)

150000

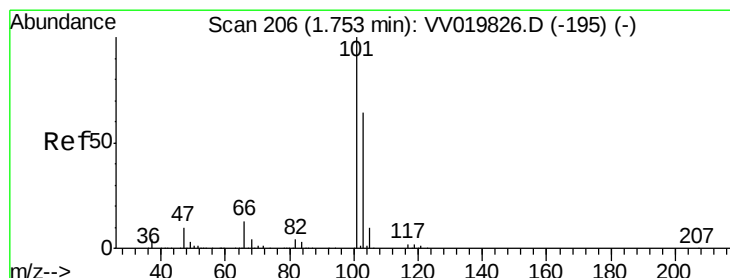
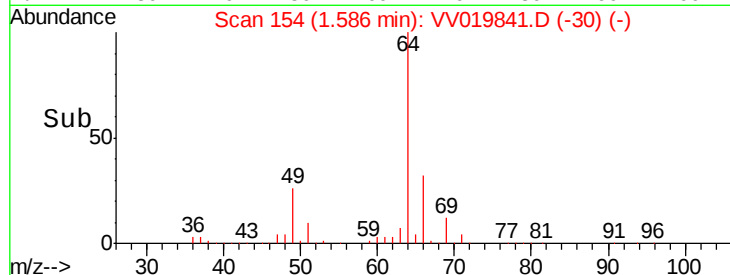
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50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 45.595 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV019841.D

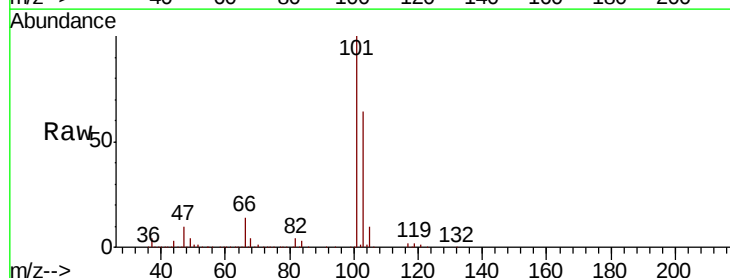
Acq: 24 Dec 2020 18:14

Tgt Ion: 101 Resp: 302844

Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019841.D (-206) (-)

Ion 103.00 (102.70 to 103.70): VV019841.D (-206) (-)

250000

200000

150000

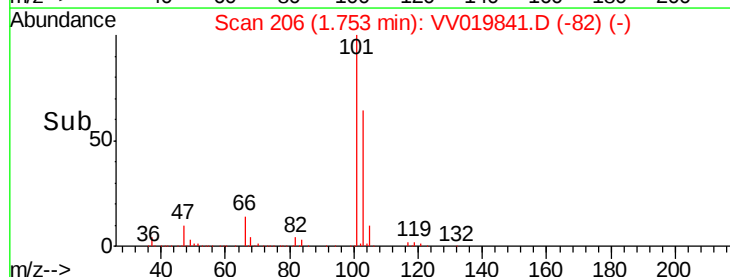
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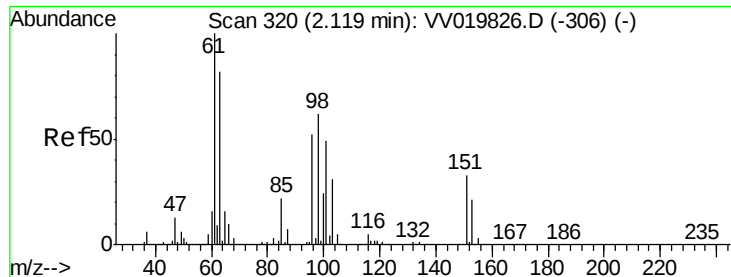
50000

0

1.70 1.75 1.80

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 47.111 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05074

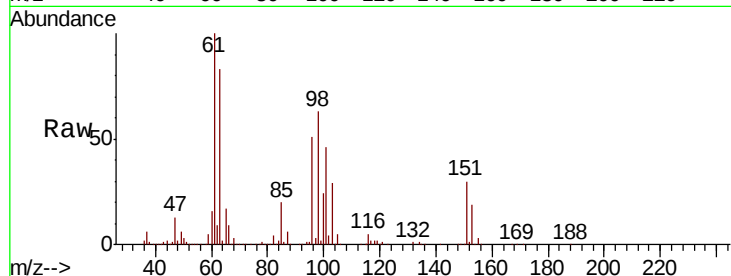
Tot Ion:101 Resp: 172807

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

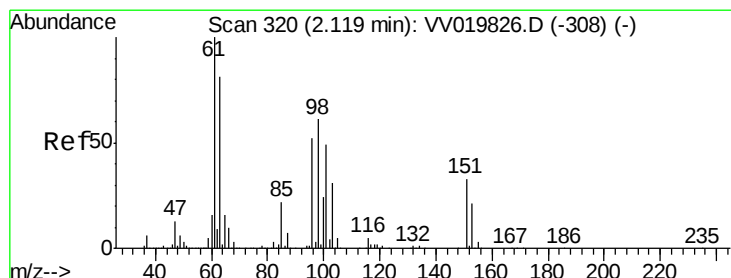
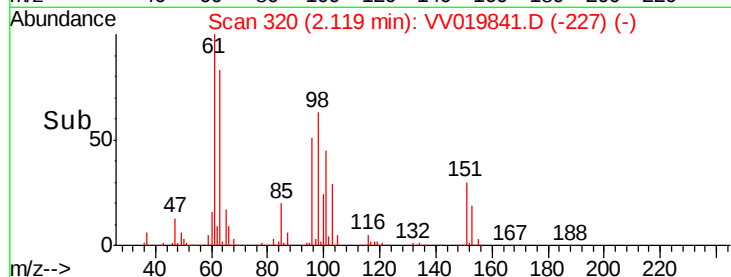
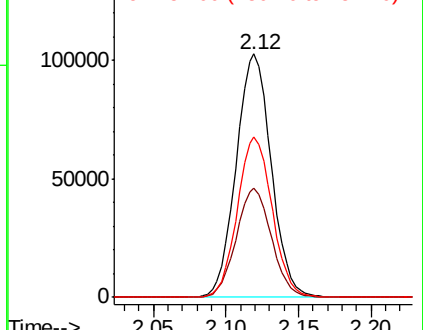
151 65.5 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019841.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019841.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019841.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 44.286 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

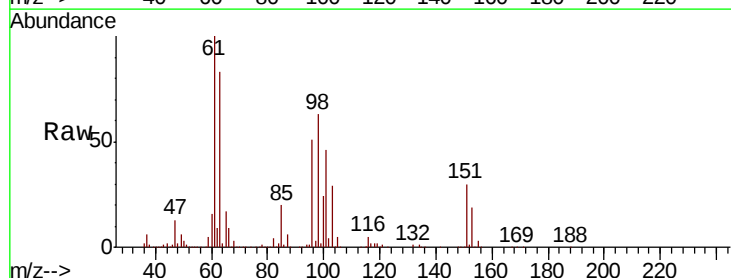
Tgt Ion: 96 Resp: 166695

Ion Ratio Lower Upper

96 100

61 194.4 120.7 224.1

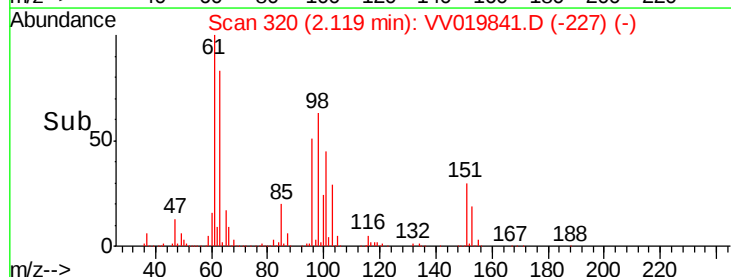
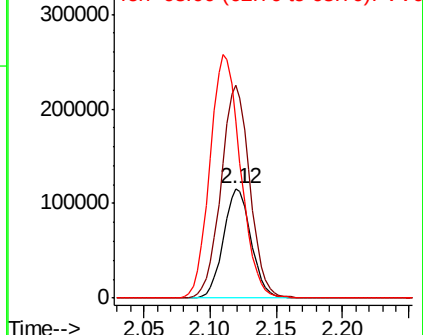
63 161.0 64.3 119.5#

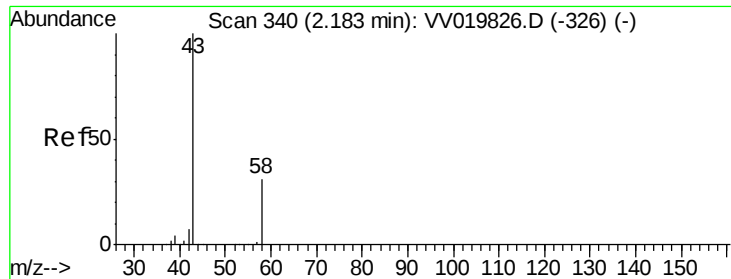


Abundance Ion 96.00 (95.70 to 96.70): VV019841.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019841.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019841.D (-227) (-)





#13

Acetone

Concen: 122.671 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampled :

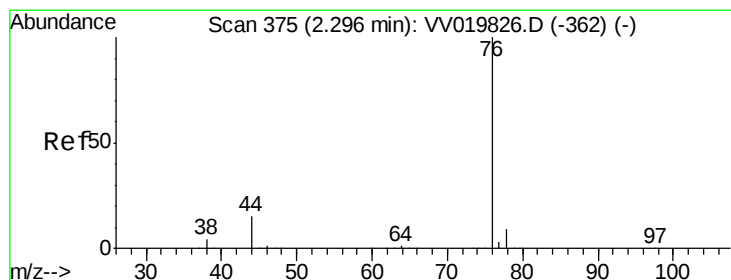
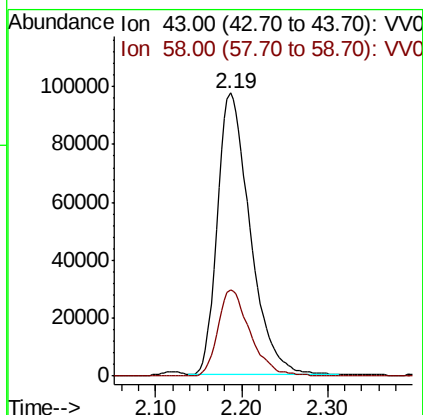
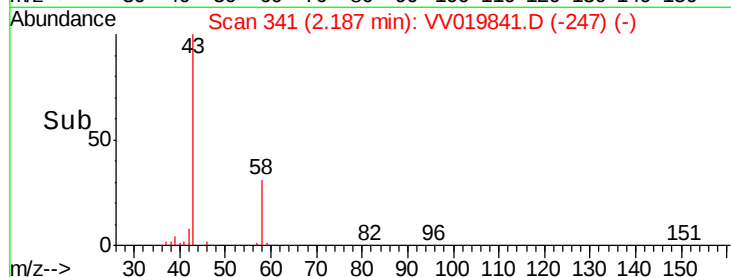
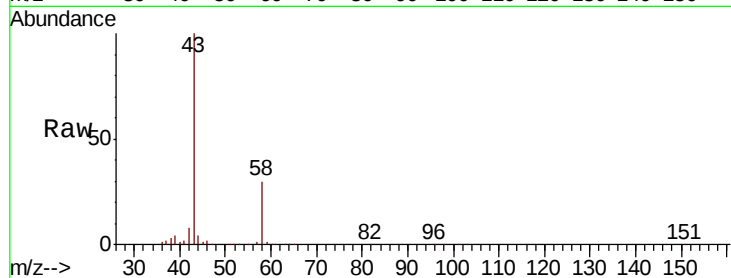
VSTD05074

Tot Ion: 43 Resp: 257354

Ion Ratio Lower Upper

43 100

58 29.9 0.0 61.6



#14

Carbon disulfide

Concen: 37.512 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019841.D

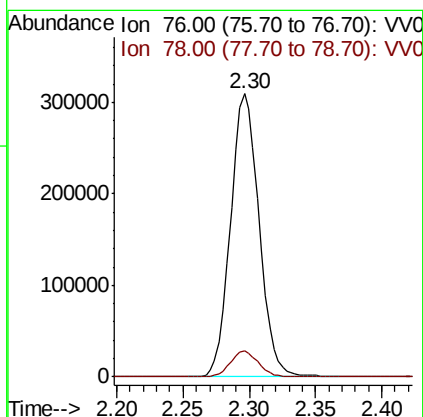
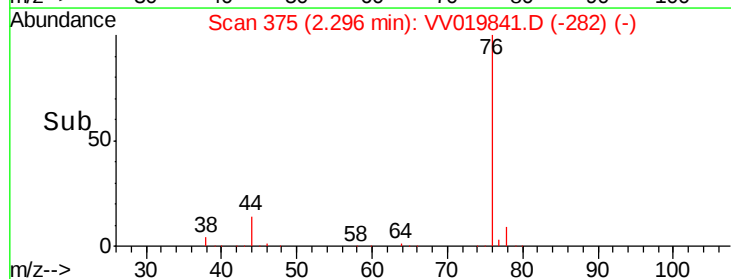
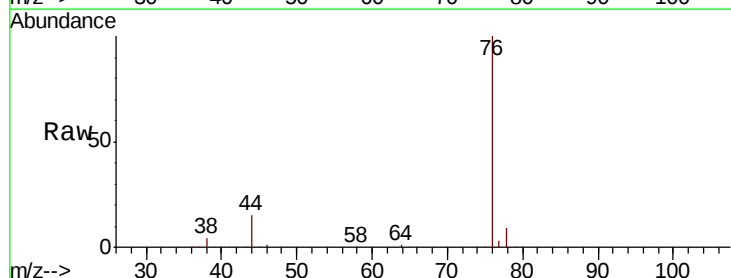
Acq: 24 Dec 2020 18:14

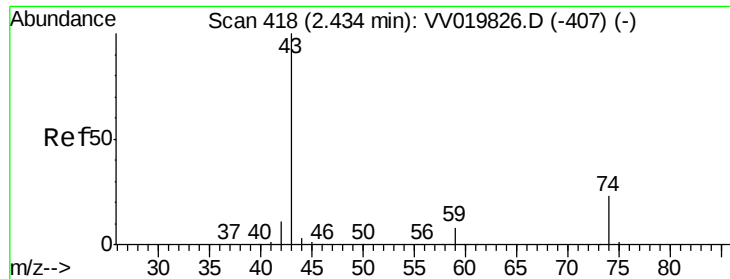
Tgt Ion: 76 Resp: 463942

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

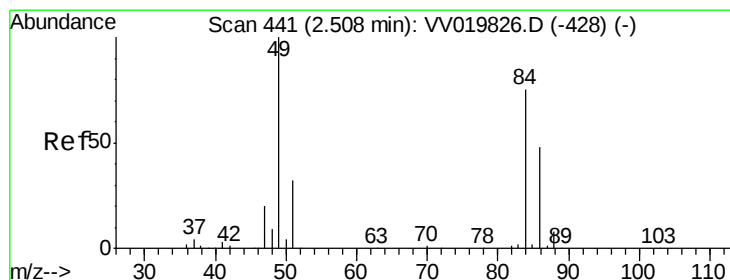
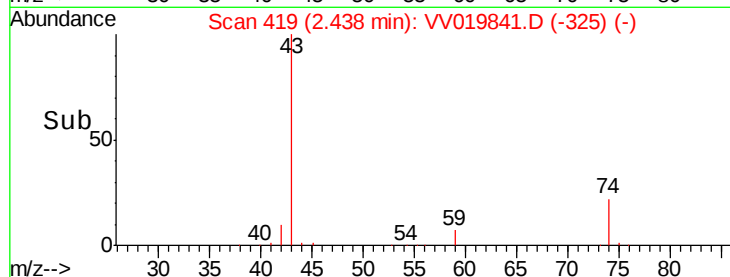
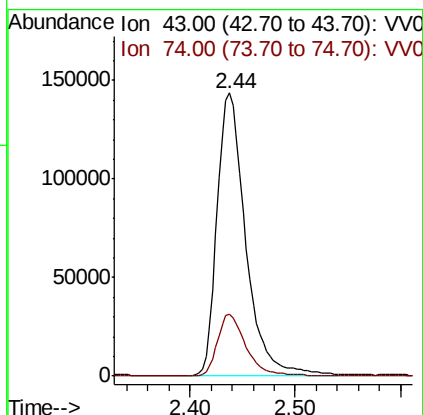
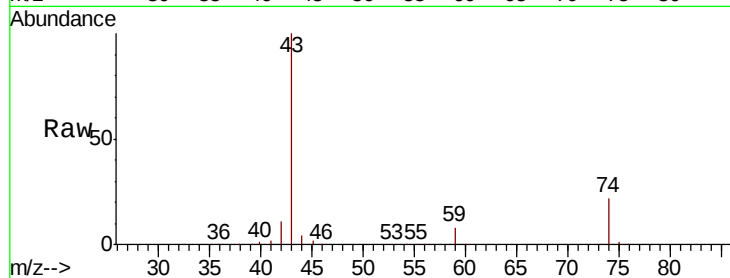




#15
Methvl Acetate
Concen: 59.043 ug/L
RT: 2.44 min Scan# 419
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

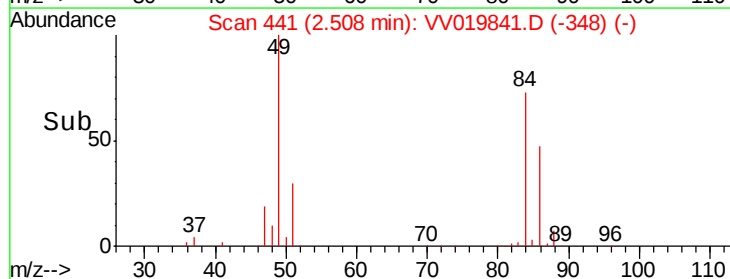
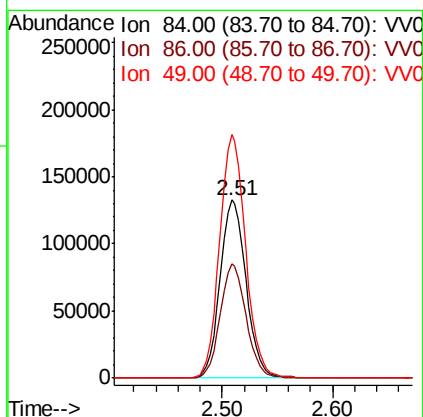
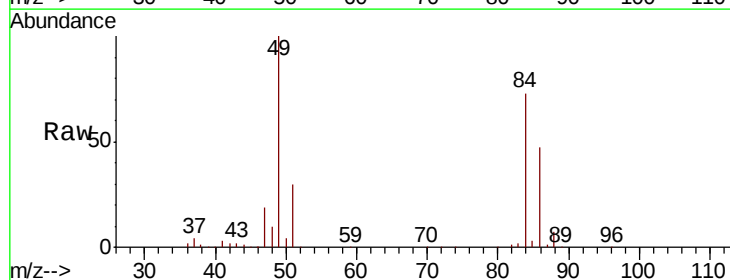
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

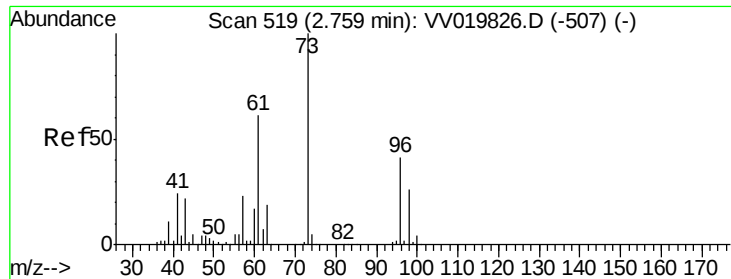
Tot Ion: 43 Resp: 269872
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.4



#16
Methylene chloride
Concen: 49.313 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 84 Resp: 217631
Ion Ratio Lower Upper
84 100
86 63.9 45.7 84.9
49 136.6 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 45.127 ug/L

RT: 2.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

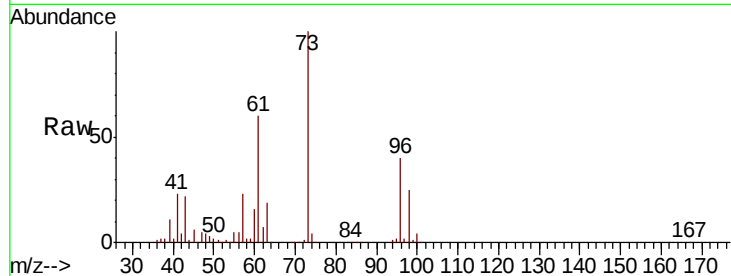
Tot Ion: 96 Resp: 186179

Ion Ratio Lower Upper

96 100

61 152.4 103.5 192.1

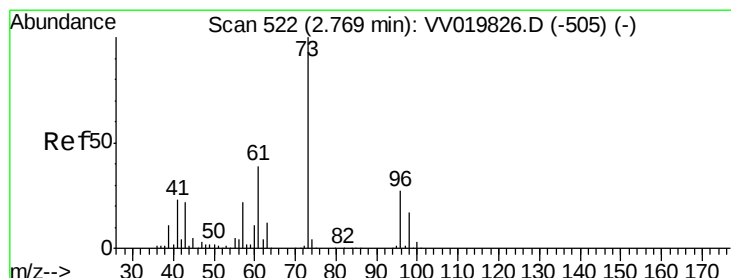
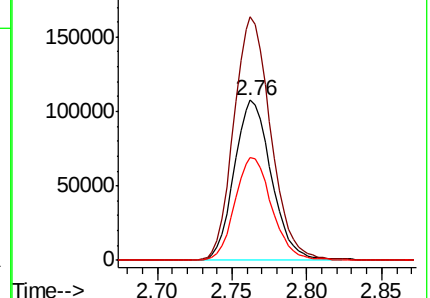
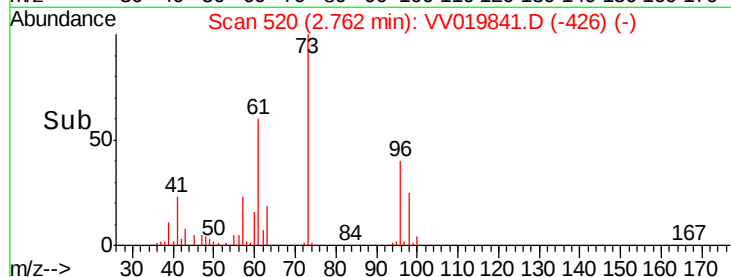
98 64.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.859 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

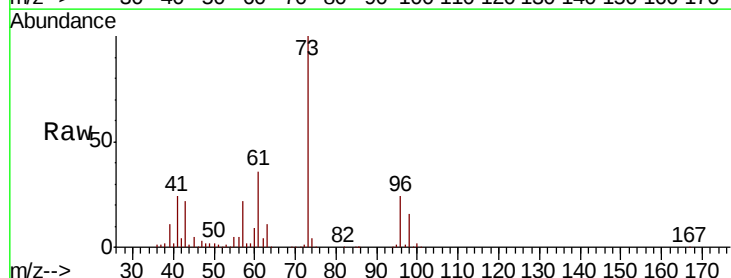
Tgt Ion: 73 Resp: 689958

Ion Ratio Lower Upper

73 100

43 21.4 17.3 25.9

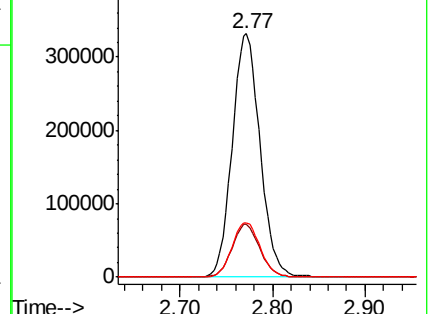
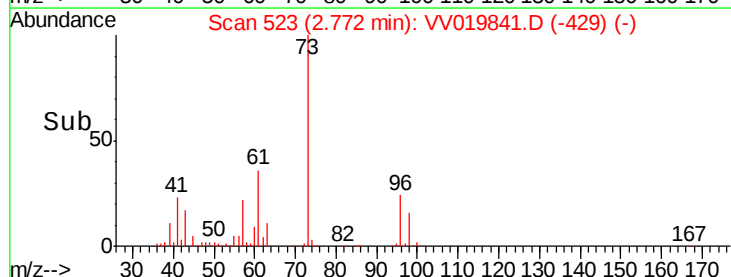
57 22.7 17.5 26.3

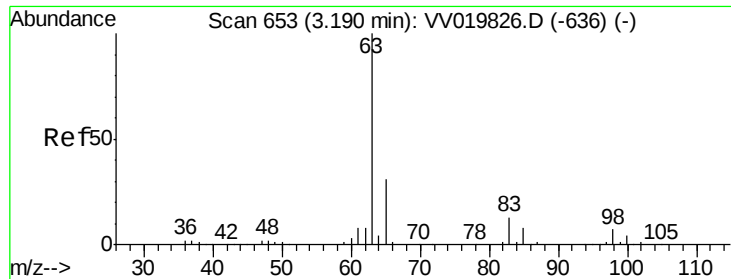


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

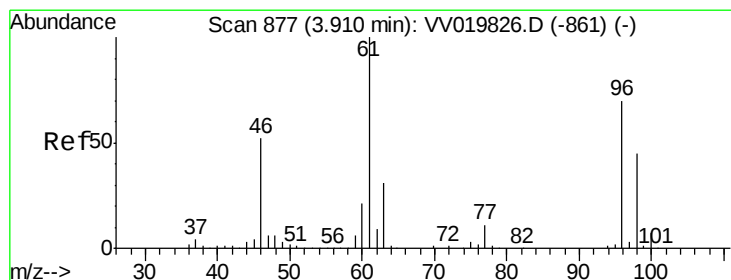
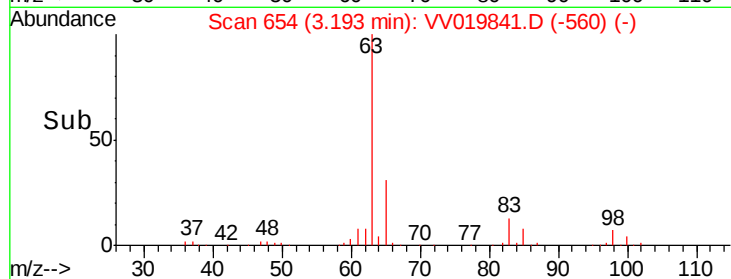
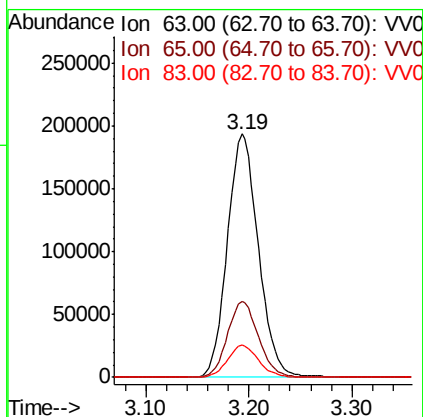
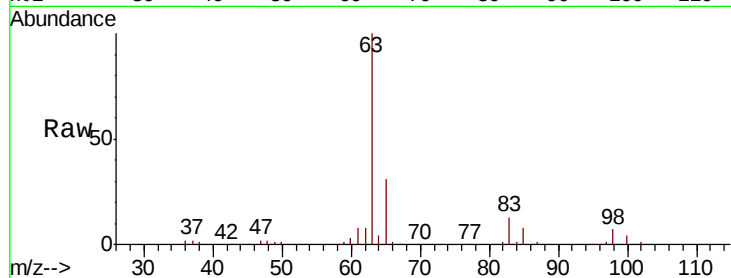




#19
 1,1-Dichloroethane
 Concen: 50.722 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VV019841.D
 Acq: 24 Dec 2020 18:14

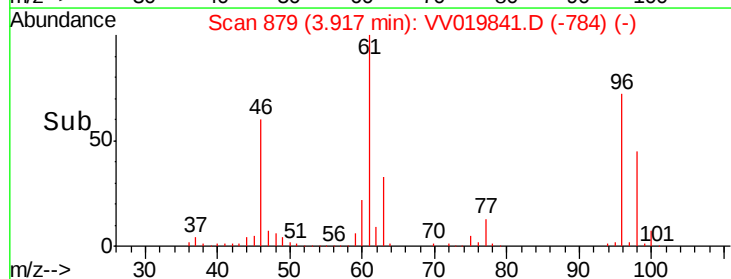
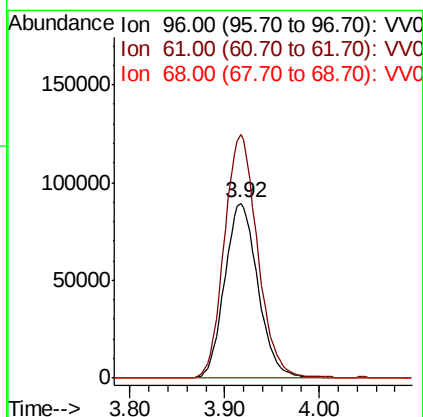
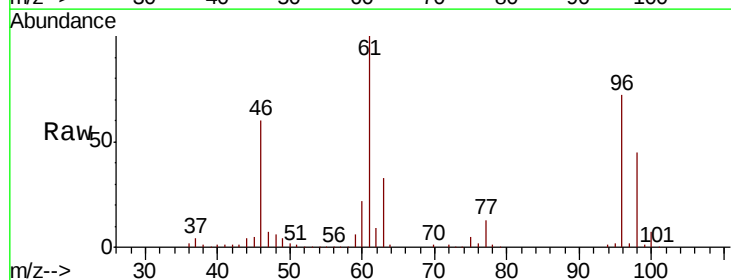
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

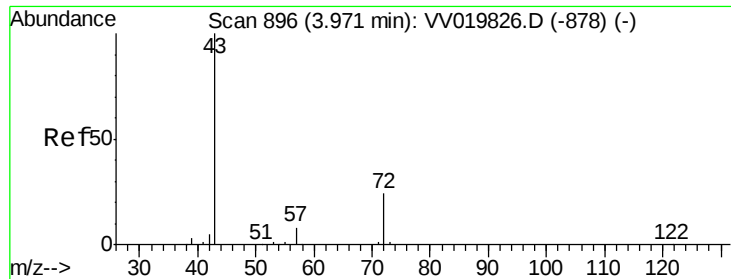
Tot Ion: 63 Resp: 405704
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.4 41.6
 83 13.1 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.146 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VV019841.D
 Acq: 24 Dec 2020 18:14

Tgt Ion: 96 Resp: 218359
 Ion Ratio Lower Upper
 96 100
 61 139.1 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 123.660 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.01 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampled :

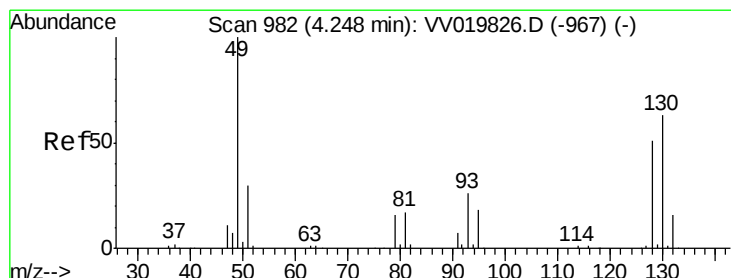
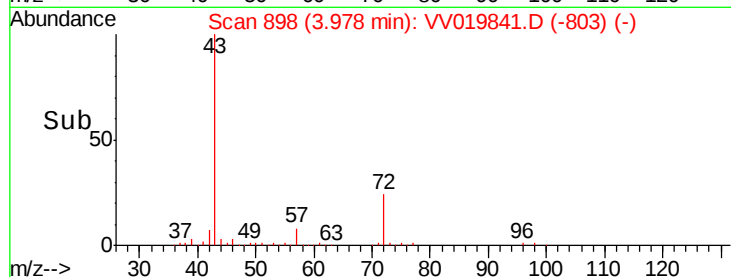
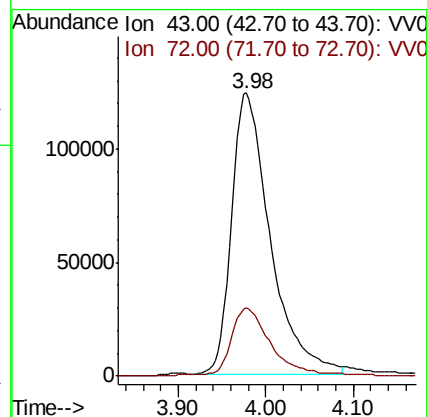
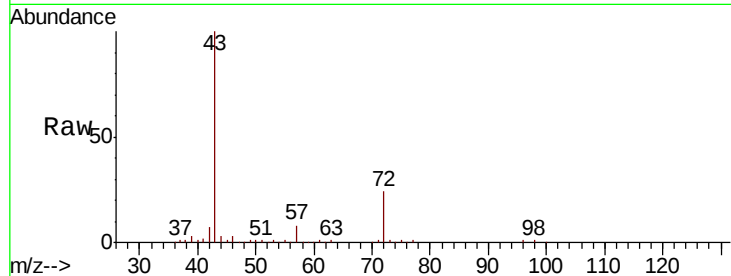
VSTD05074

Tot Ion: 43 Resp: 380548

Ion Ratio Lower Upper

43 100

72 22.9 12.3 36.9



#23

Bromochloromethane

Concen: 47.093 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.01 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Tgt Ion:128 Resp: 105090

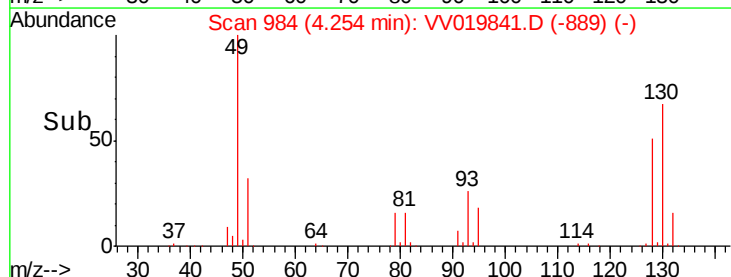
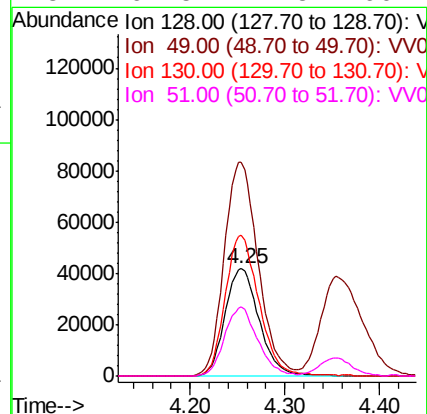
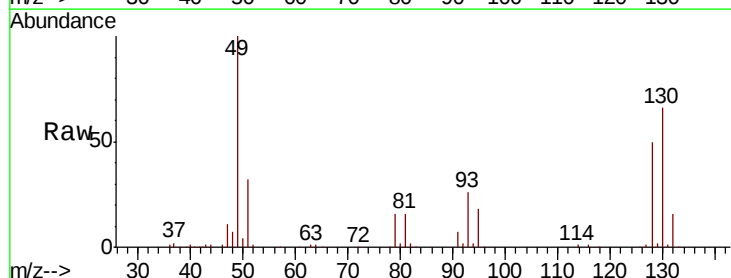
Ion Ratio Lower Upper

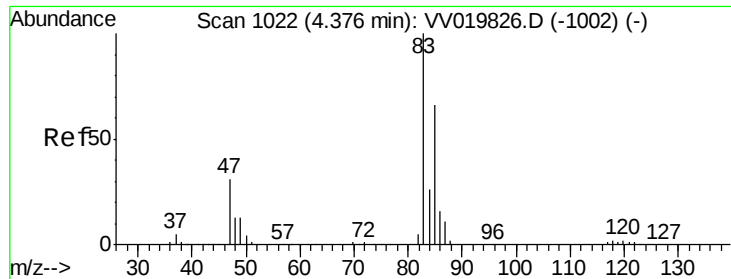
128 100

49 198.5 127.0 235.8

130 130.7 90.3 167.7

51 64.5 44.5 66.7

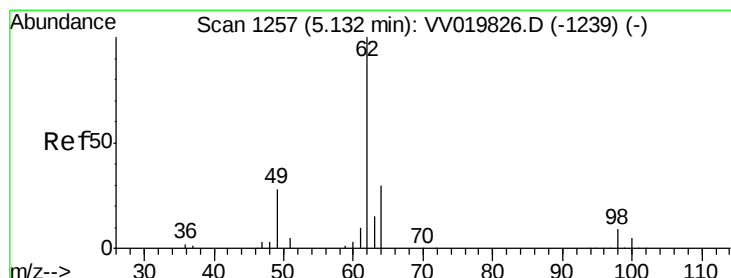
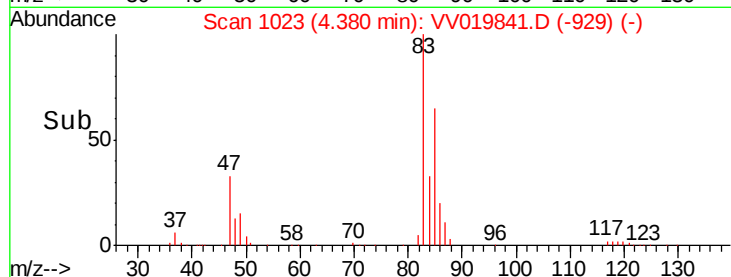
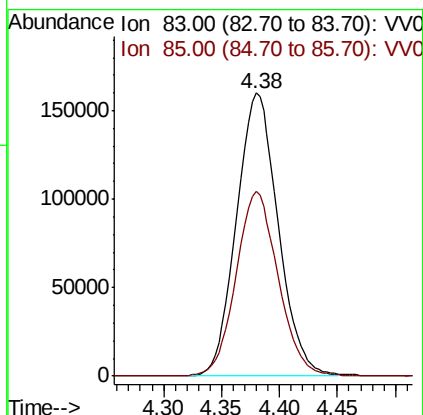
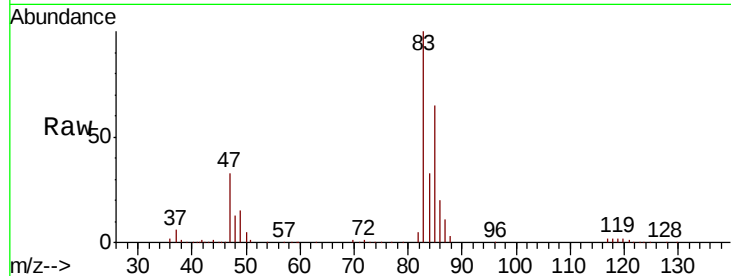




#25
Chloroform
Concen: 50.109 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

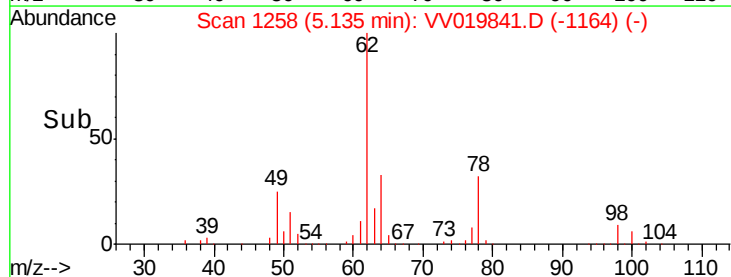
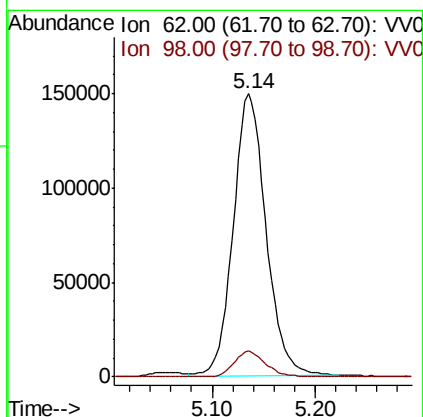
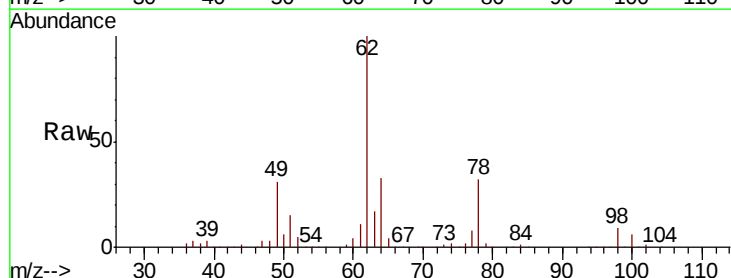
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

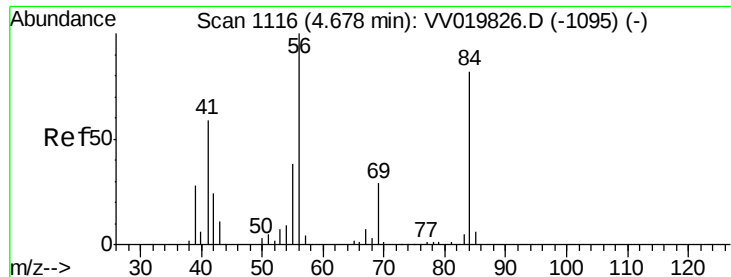
Tot Ion: 83 Resp: 400286
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 50.018 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 62 Resp: 331019
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0

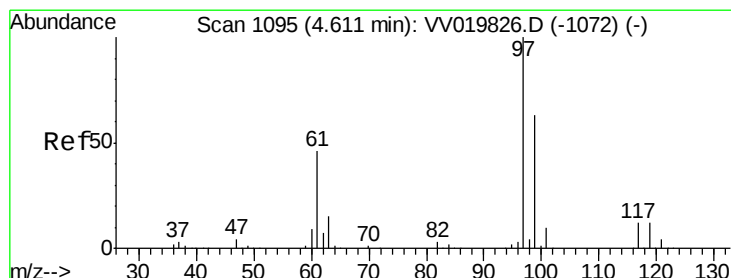
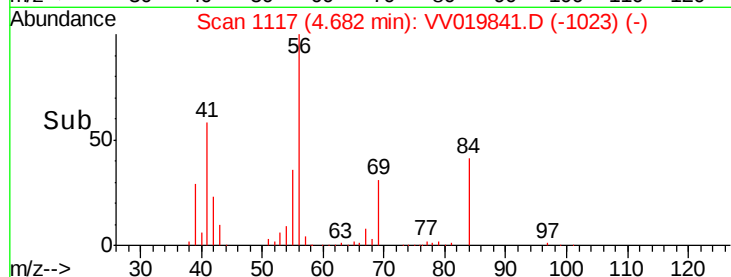
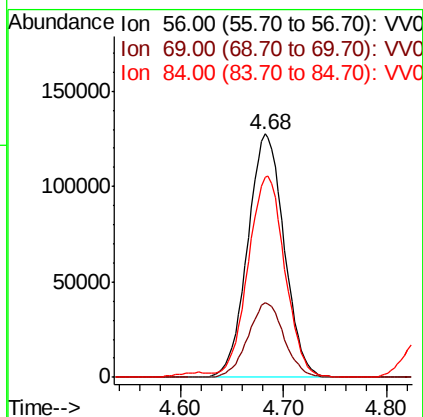
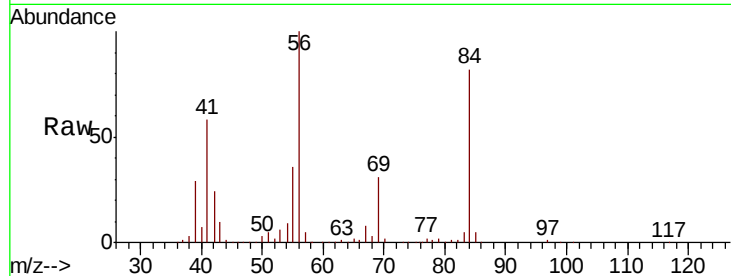




#29
Cyclohexane
Concen: 42.438 ug/L
RT: 4.68 min Scan# 1117
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

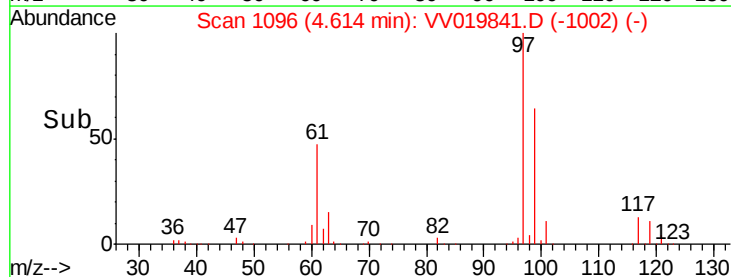
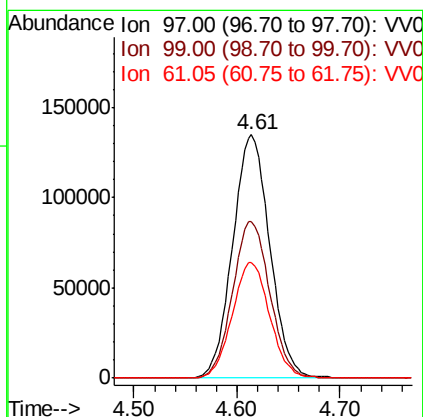
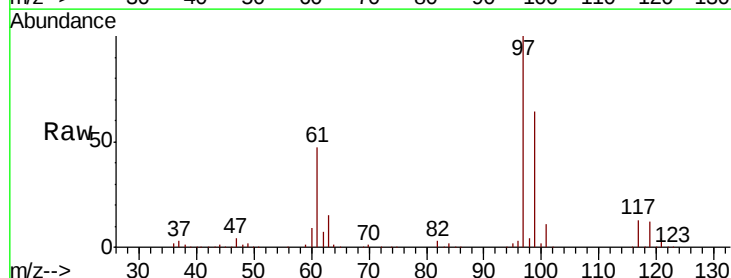
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

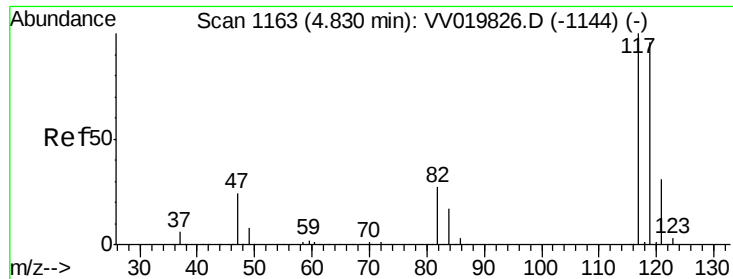
Tot Ion: 56 Resp: 313150
Ion Ratio Lower Upper
56 100
69 30.3 24.6 37.0
84 83.3 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 44.758 ug/L
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 97 Resp: 337887
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 47.9 36.3 54.5





#31

Carbon tetrachloride

Concen: 42.477 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

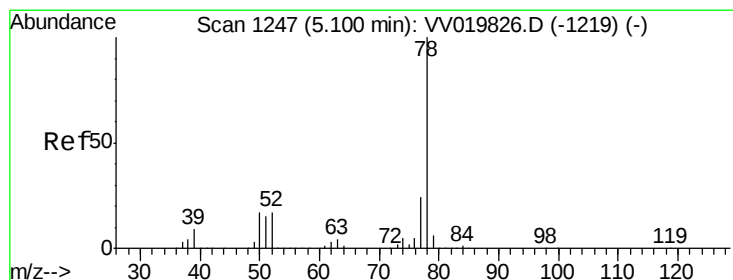
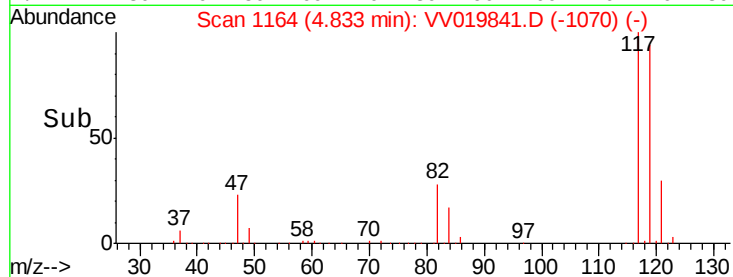
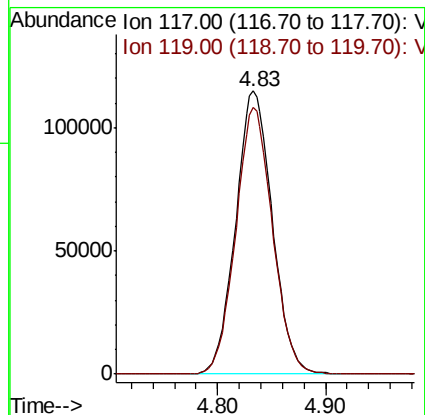
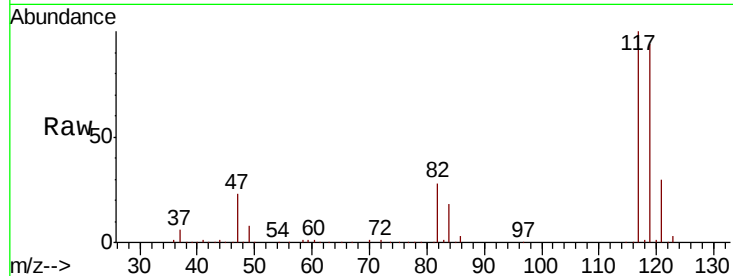
VSTD05074

Tot Ion:117 Resp: 270703

Ion Ratio Lower Upper

117 100

119 94.5 75.7 113.5



#33

Benzene

Concen: 47.806 ug/L

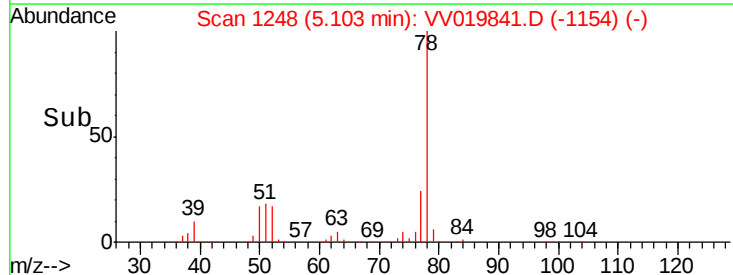
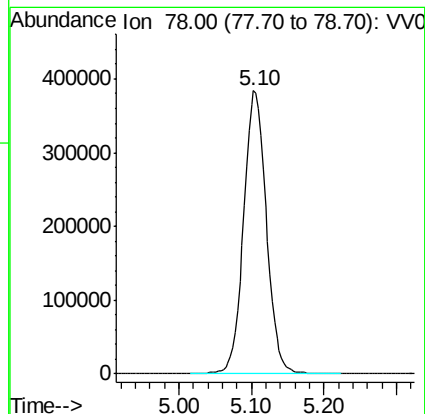
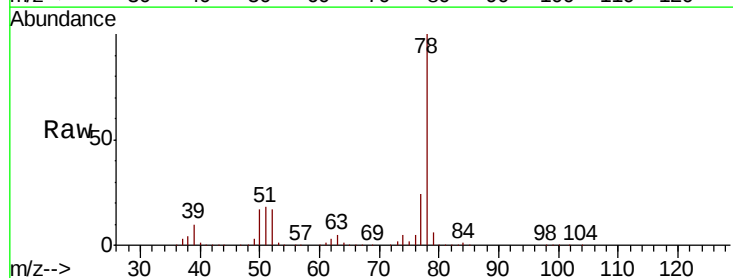
RT: 5.10 min Scan# 1248

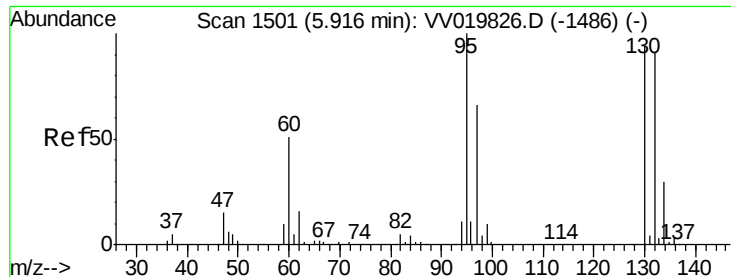
Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Tgt Ion: 78 Resp: 841198





#34

Trichloroethene

Concen: 46.201 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

Tot Ion: 95 Resp: 214752

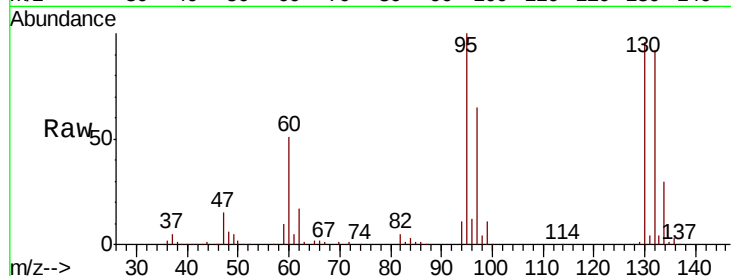
Ion Ratio Lower Upper

95 100

97 64.9 44.4 82.4

132 91.7 64.3 119.3

130 96.1 67.8 125.8

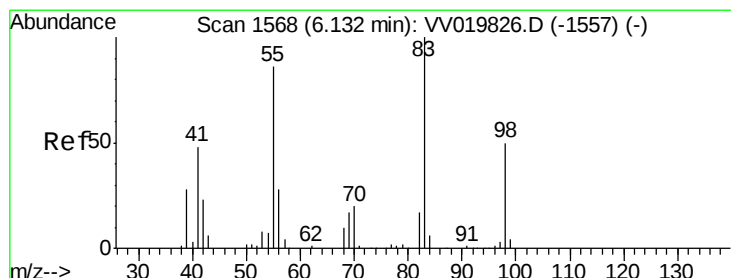
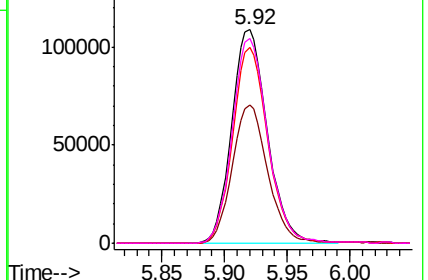
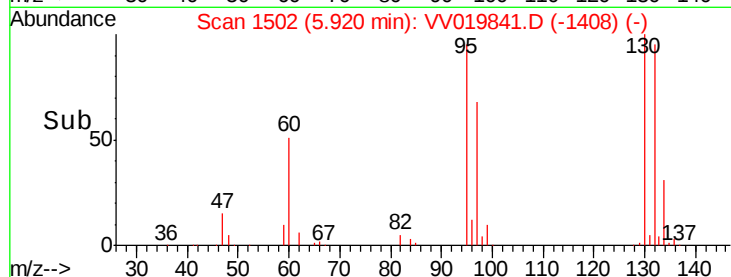


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 43.449 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

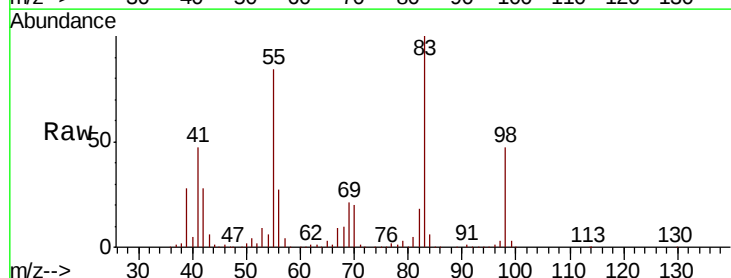
Tgt Ion: 83 Resp: 306811

Ion Ratio Lower Upper

83 100

55 82.6 64.2 96.4

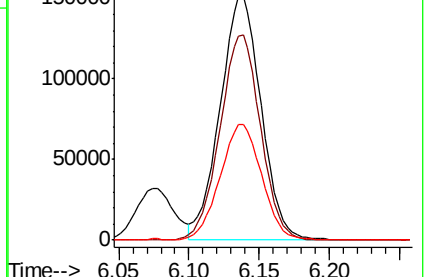
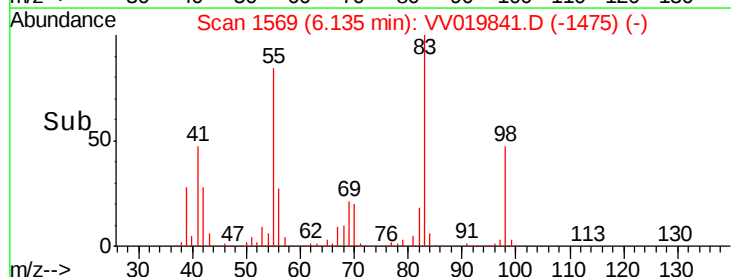
98 48.5 39.3 58.9

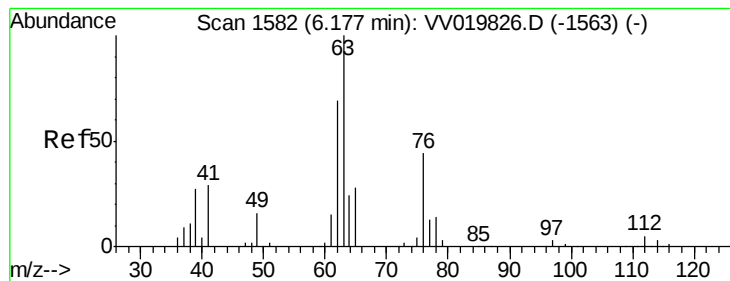


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.157 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

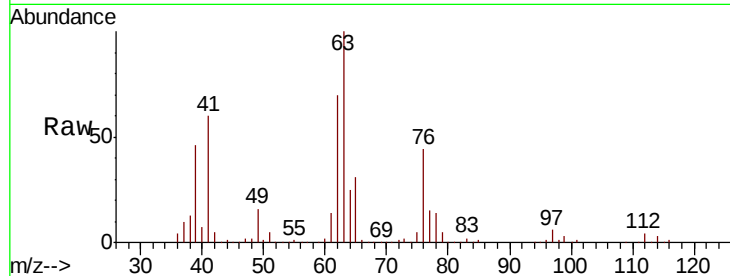
VSTD05074

Tot Ion: 63 Resp: 230480

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV019826.D (-1563) (-)

Ion 112.00 (111.70 to 112.70): VV019826.D (-1563) (-)

6.18

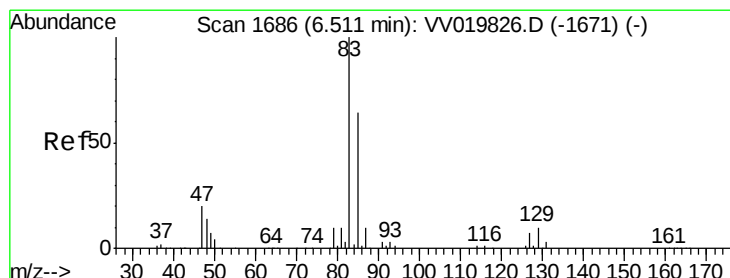
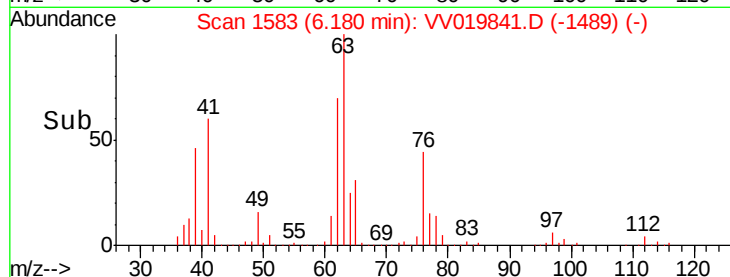
100000

50000

0

6.10 6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 46.010 ug/L

RT: 6.51 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

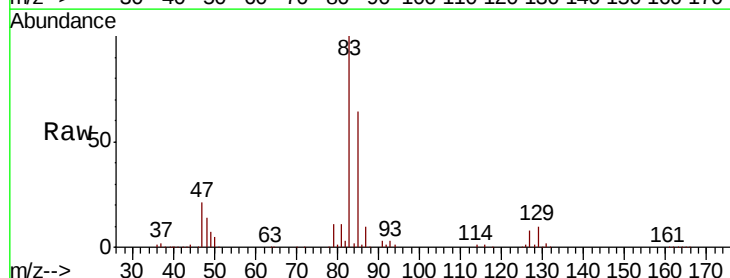
Tgt Ion: 83 Resp: 295641

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

127 7.8 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV019826.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV019826.D (-1671) (-)

Ion 127.00 (126.70 to 127.70): VV019826.D (-1671) (-)

6.51

200000

150000

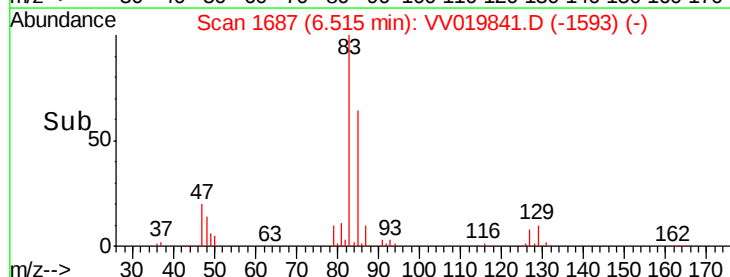
100000

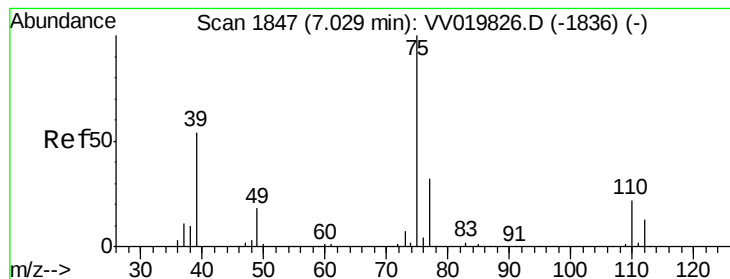
50000

0

6.50 6.55 6.60

Time-->



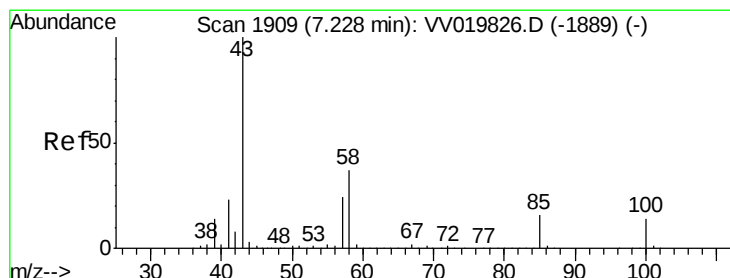
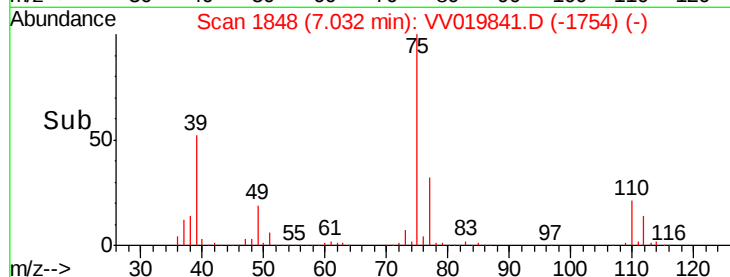
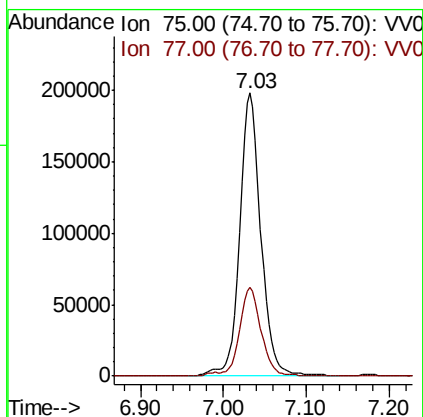
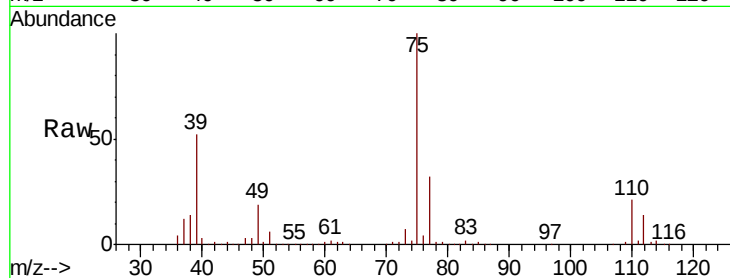


#39

cis-1,3-Dichloropropene
Concen: 46.593 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

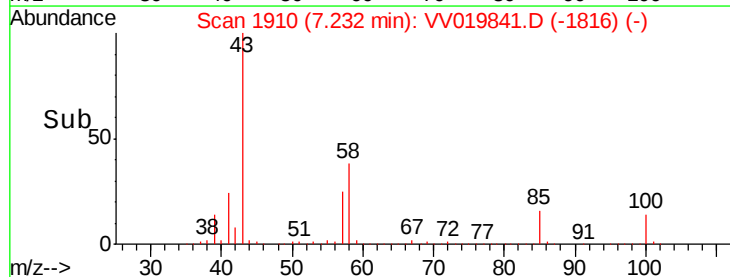
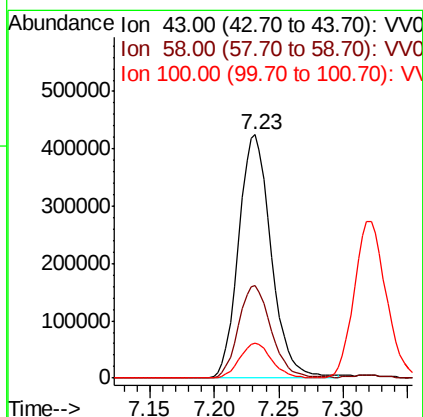
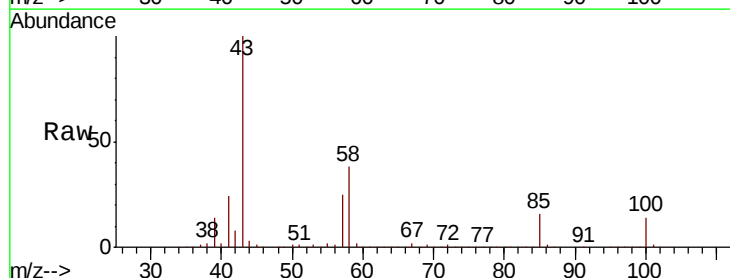
Tot Ion: 75 Resp: 355591
Ion Ratio Lower Upper
75 100
77 31.5 22.4 41.6

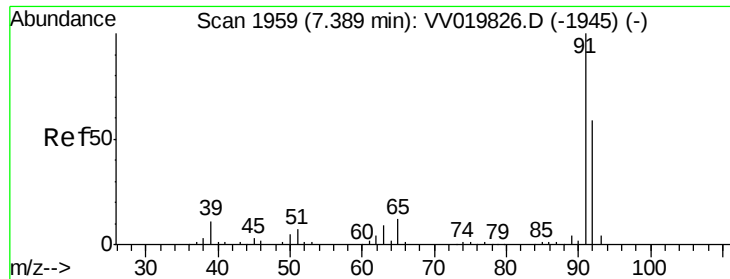


#40

4-Methyl-2-pentanone
Concen: 112.554 ug/L
RT: 7.23 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 43 Resp: 746178
Ion Ratio Lower Upper
43 100
58 38.3 31.7 47.5
100 14.1 12.5 18.7





#42

Toluene

Concen: 46.542 ug/L

RT: 7.39 min Scan# 1960

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

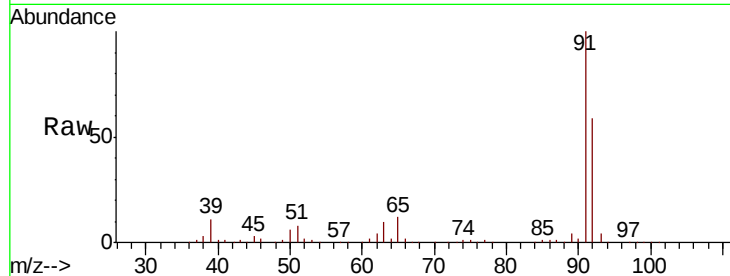
VSTD05074

Tot Ion: 91 Resp: 863148

Ion Ratio Lower Upper

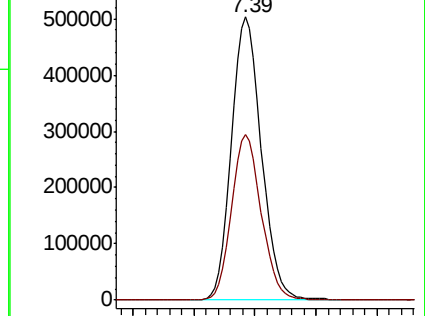
91 100

92 58.5 41.4 76.8

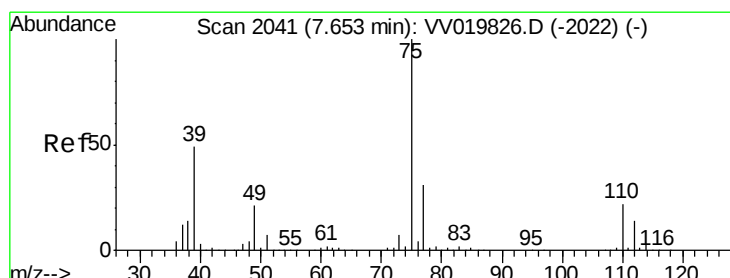
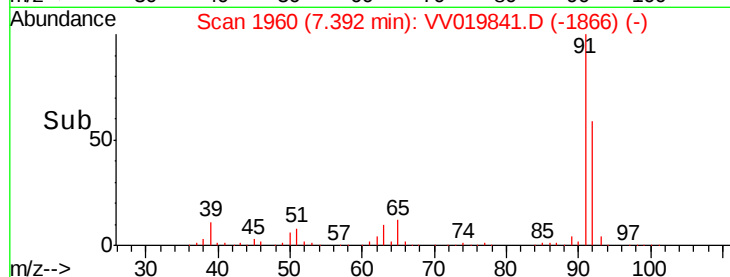


Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 43.734 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VV019841.D

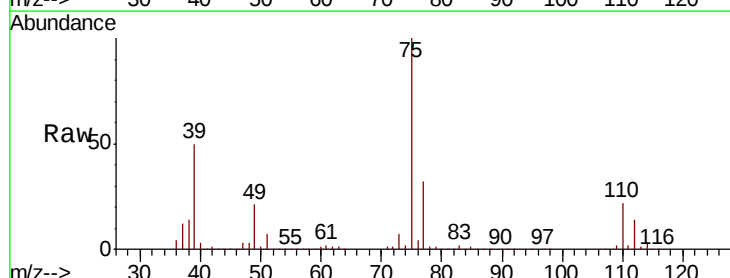
Acq: 24 Dec 2020 18:14

Tgt Ion: 75 Resp: 337966

Ion Ratio Lower Upper

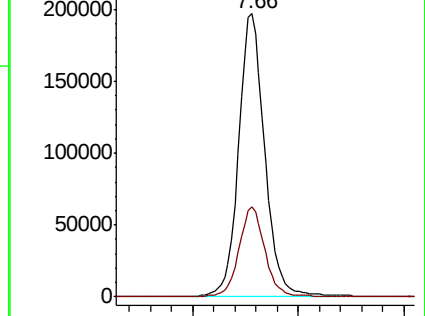
75 100

77 31.7 22.5 41.9

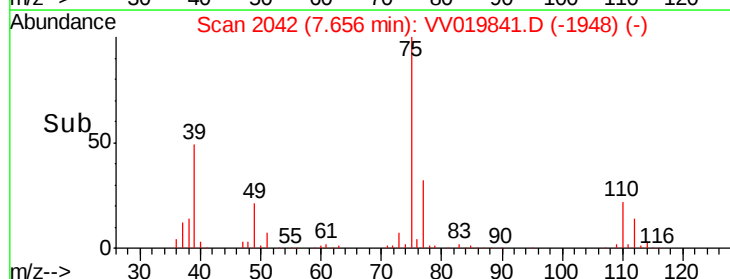


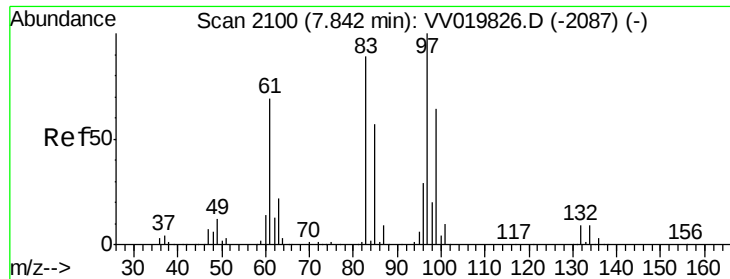
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->

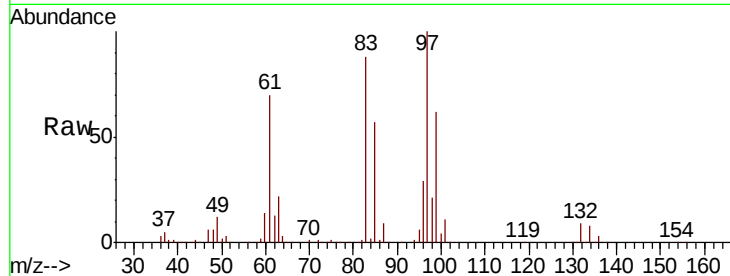




#45
 1,1,2-Trichloroethane
 Concen: 49.348 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: VV019841.D
 Acq: 24 Dec 2020 18:14

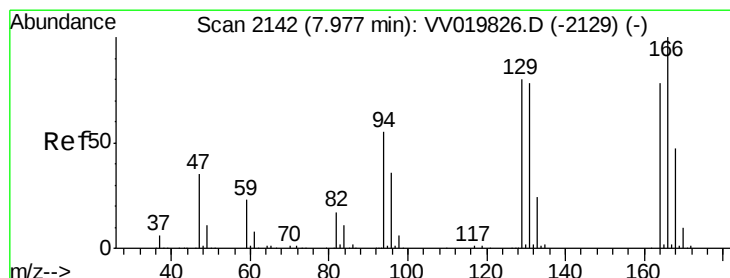
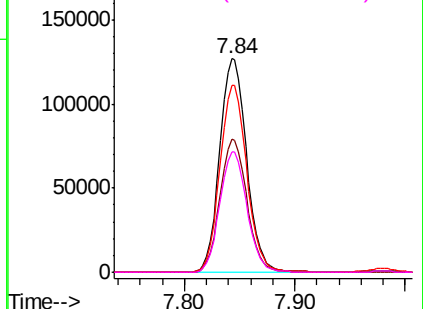
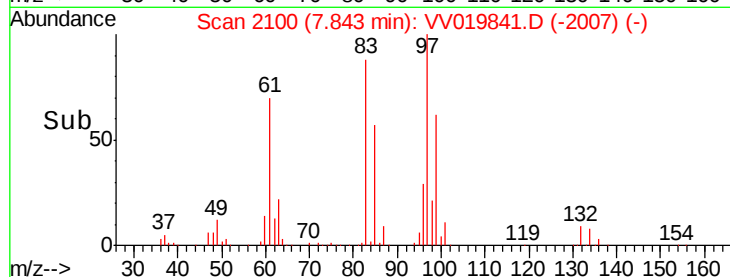
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tot Ion:	97	Resp:	215341
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.1	81.9
83	87.8	60.0	111.4
85	56.6	38.6	71.8



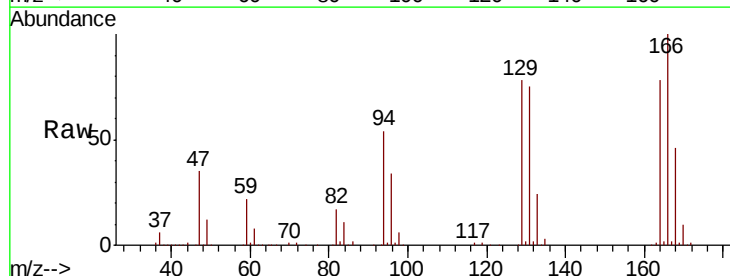
Abundance

Ion 97.00 (96.70 to 97.70): VV019841.D (-2007) (-)



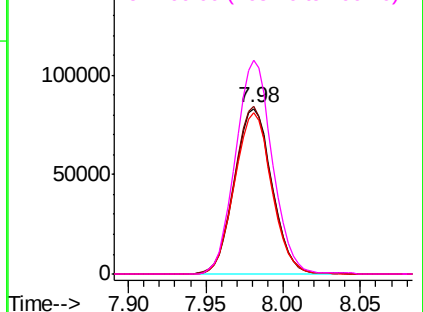
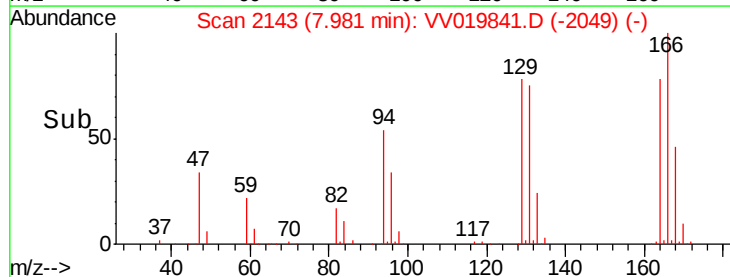
#46
 Tetrachloroethene
 Concen: 43.585 ug/L
 RT: 7.98 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VV019841.D
 Acq: 24 Dec 2020 18:14

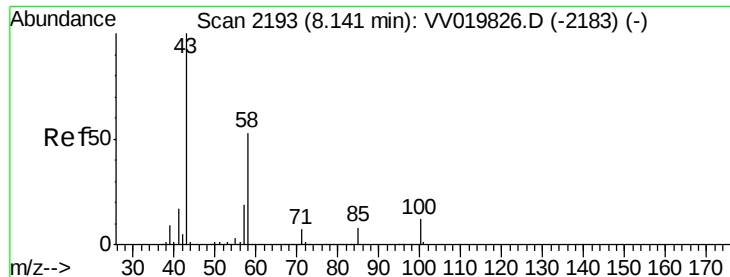
Tgt Ion:	164	Resp:	140183
Ion	Ratio	Lower	Upper
164	100		
129	100.9	70.6	131.0
131	97.3	68.0	126.4
166	128.9	86.9	161.5



Abundance

Ion 164.00 (163.70 to 164.70): VV019841.D (-2049) (-)

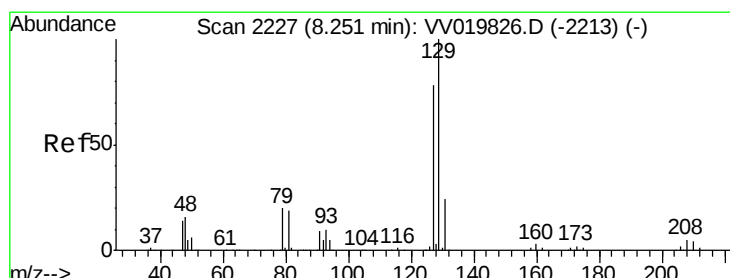
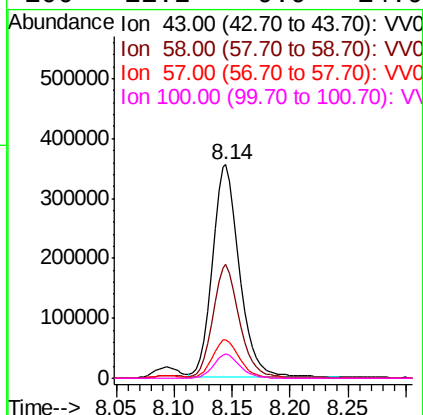
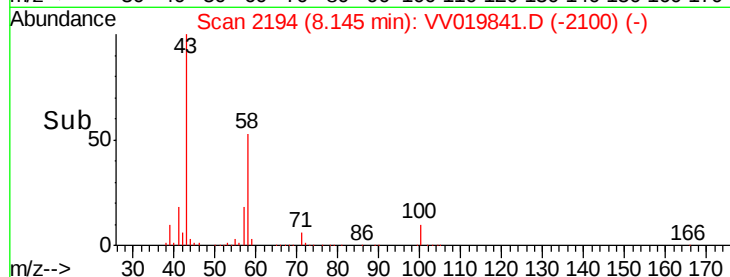
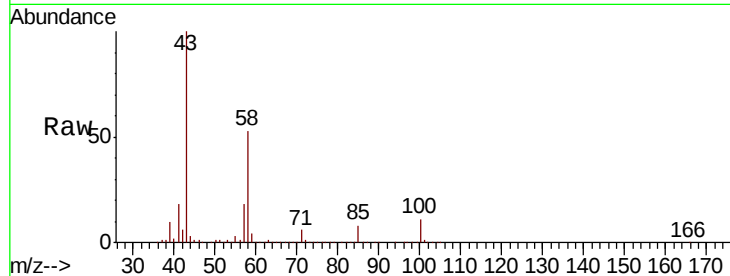




#48
2-Hexanone
Concen: 115.528 ug/L
RT: 8.14 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

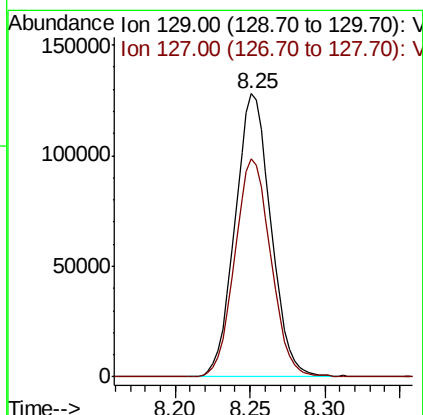
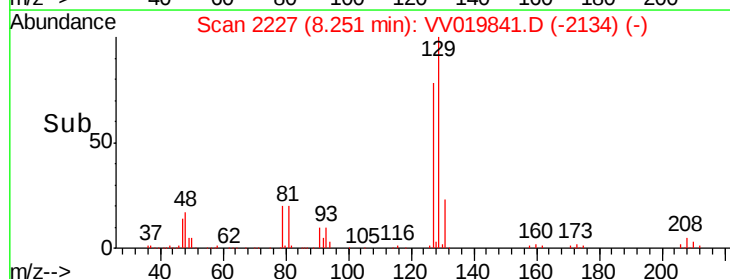
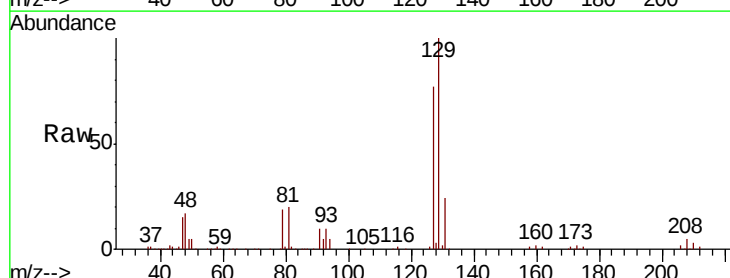
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

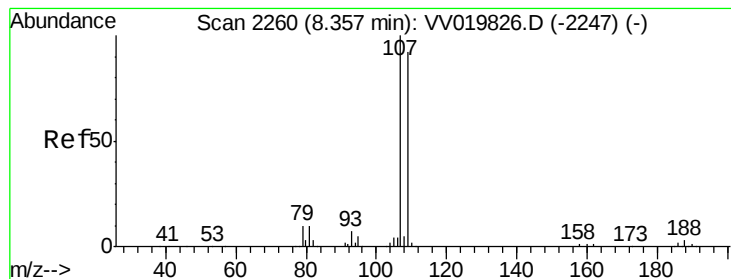
Tot Ion: 43 Resp: 581147
Ion Ratio Lower Upper
43 100
58 53.4 44.4 66.6
57 17.9 15.7 23.5
100 11.2 9.9 14.9



#49
Dibromochloromethane
Concen: 44.648 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 129 Resp: 213365
Ion Ratio Lower Upper
129 100
127 76.9 54.2 100.6





#50

1,2-Dibromoethane

Concen: 47.707 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

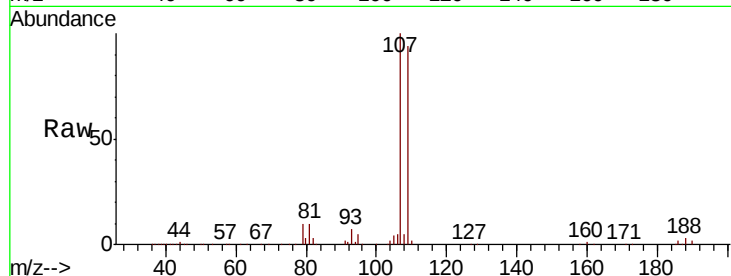
Tot Ion:107 Resp: 219224

Ion Ratio Lower Upper

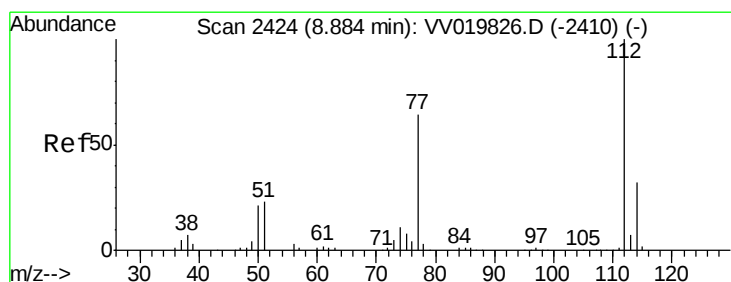
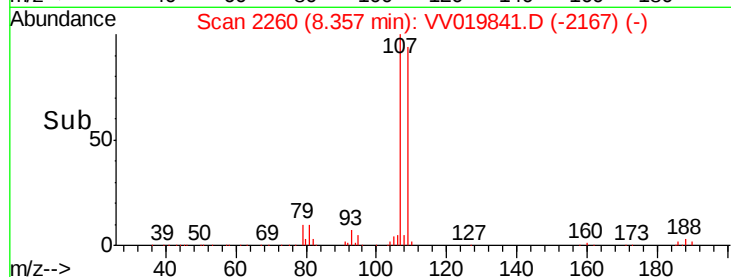
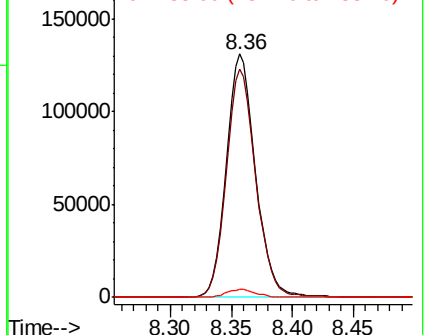
107 100

109 93.8 66.4 123.2

188 3.3 2.9 4.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 46.451 ug/L

RT: 8.89 min Scan# 2425

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

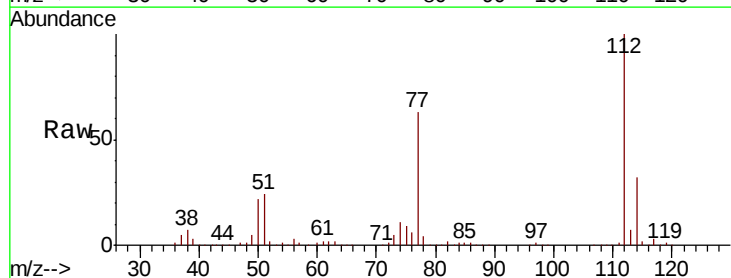
Tgt Ion:112 Resp: 550199

Ion Ratio Lower Upper

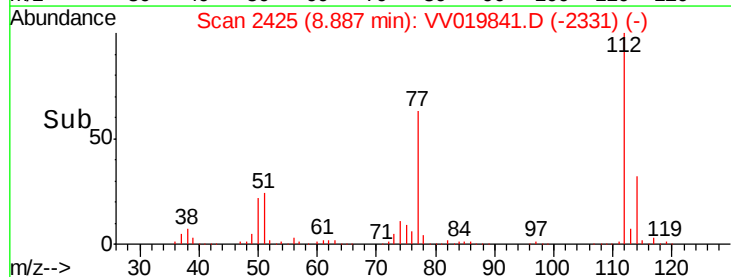
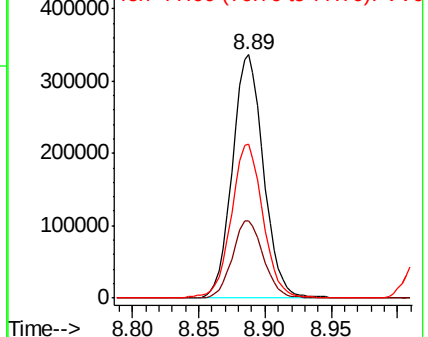
112 100

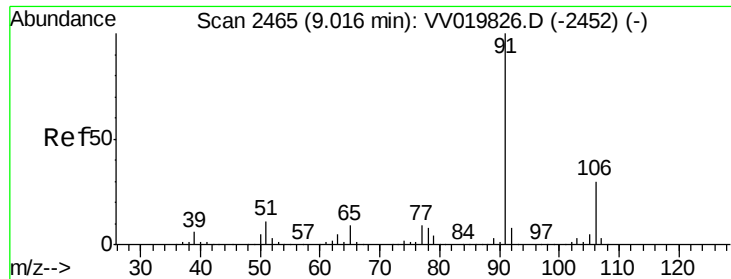
114 31.9 22.2 41.2

77 63.0 50.6 75.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

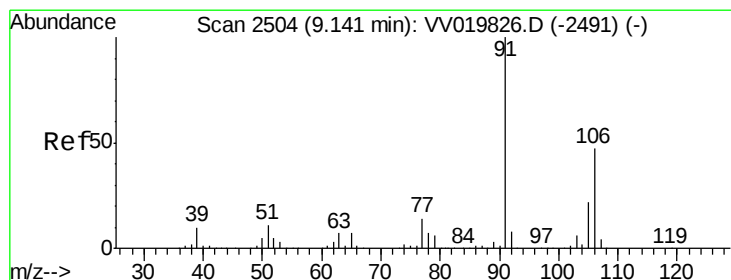
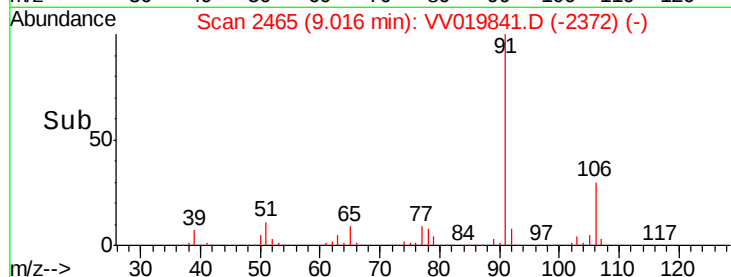
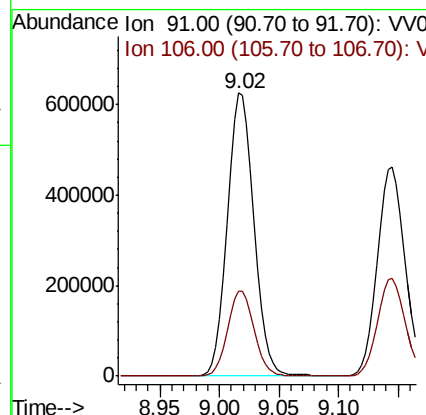
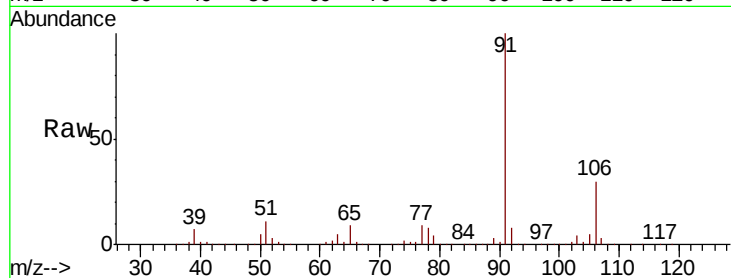




#52
Ethylbenzene
Concen: 46.007 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

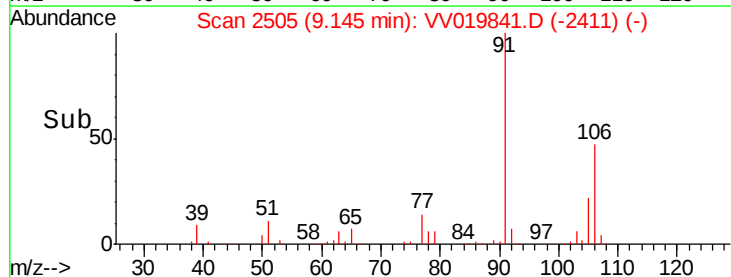
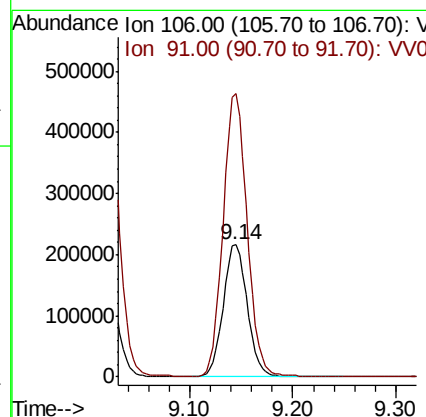
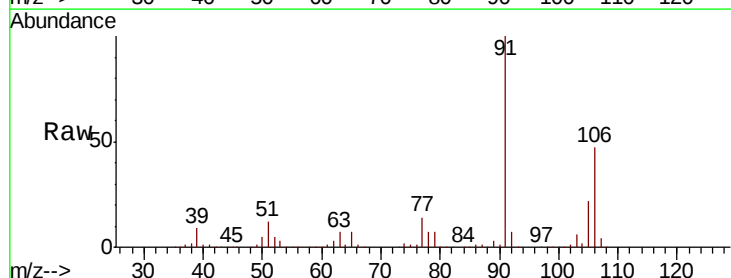
Instrument :
MSVOA_V
ClientSampleId :
VSTD05074

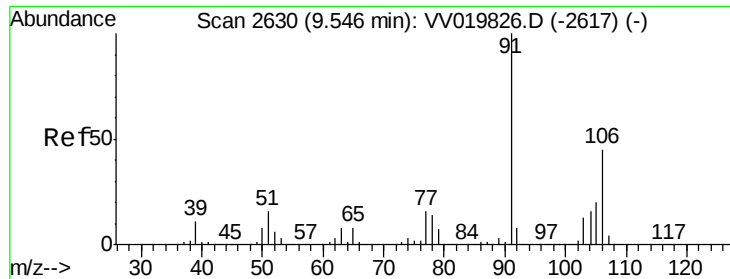
Tot Ion: 91 Resp: 972119
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 44.613 ug/L
RT: 9.14 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VV019841.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 106 Resp: 352170
Ion Ratio Lower Upper
106 100
91 214.8 147.7 274.3





#54

o-xylene

Concen: 44.898 ug/L

RT: 9.55 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

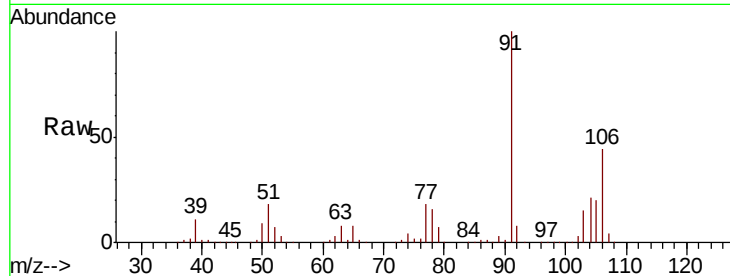
VSTD05074

Tot Ion:106 Resp: 347399

Ion Ratio Lower Upper

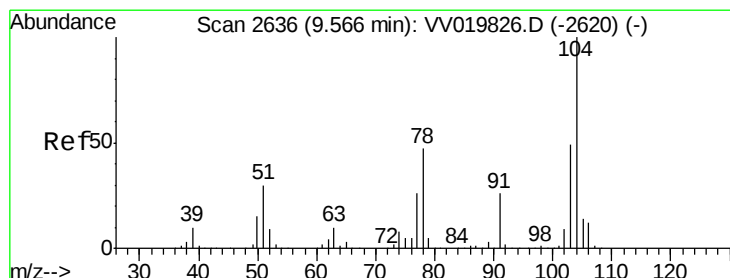
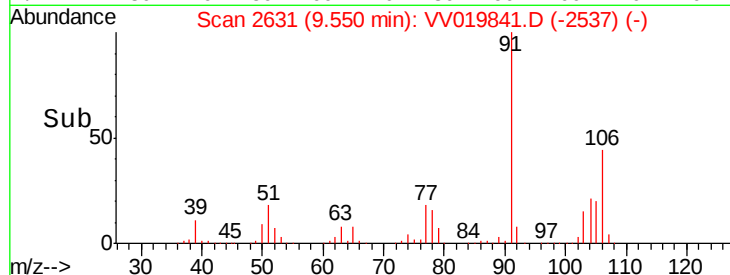
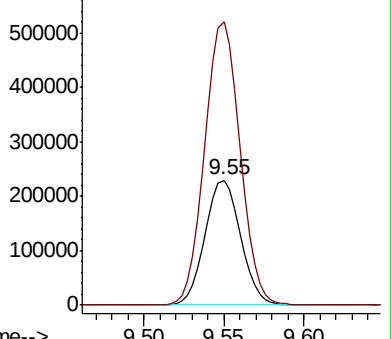
106 100

91 226.0 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 46.270 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019841.D

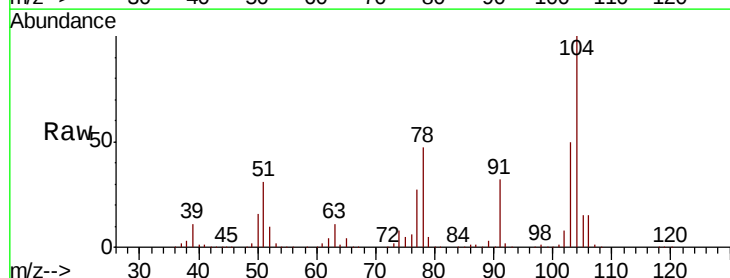
Acq: 24 Dec 2020 18:14

Tgt Ion:104 Resp: 623966

Ion Ratio Lower Upper

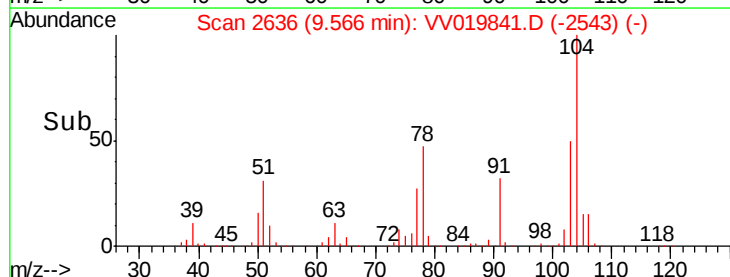
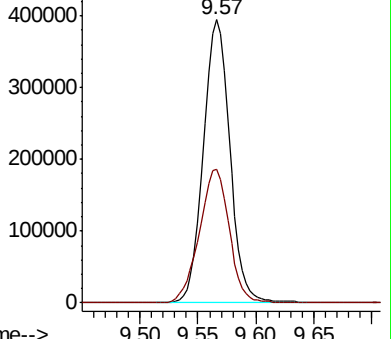
104 100

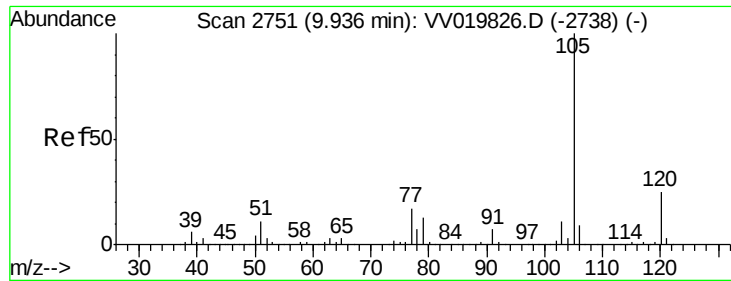
78 47.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.501 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

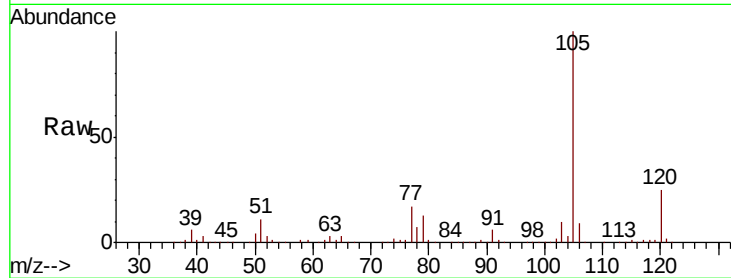
Tot Ion:105 Resp: 937907

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

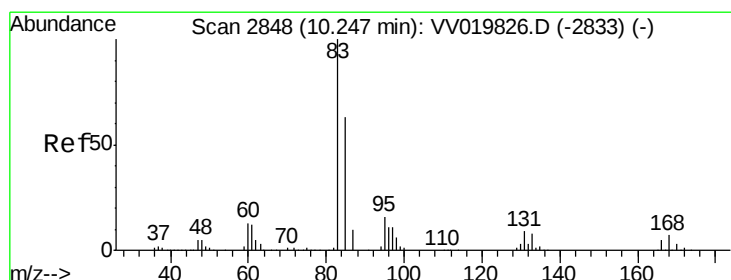
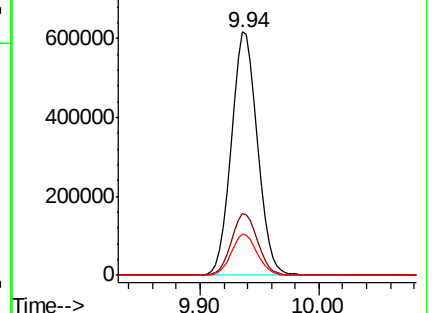
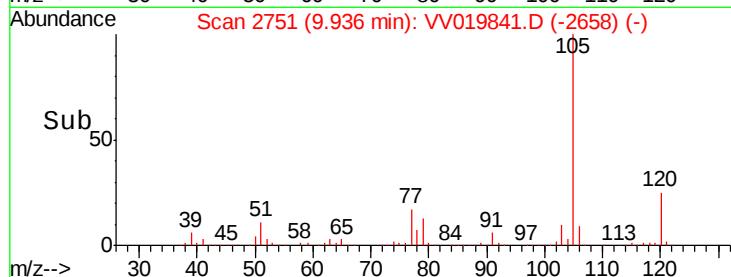
77 16.7 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.979 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

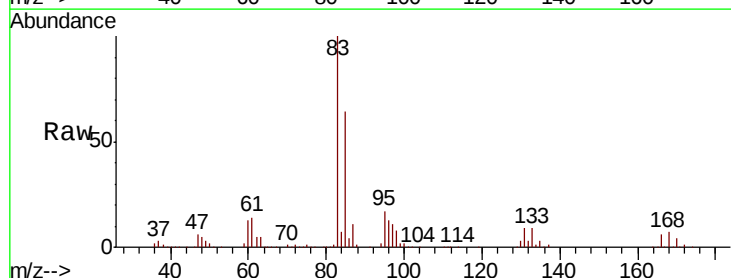
Tgt Ion: 83 Resp: 350727

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

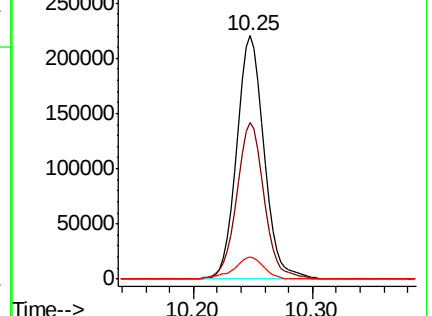
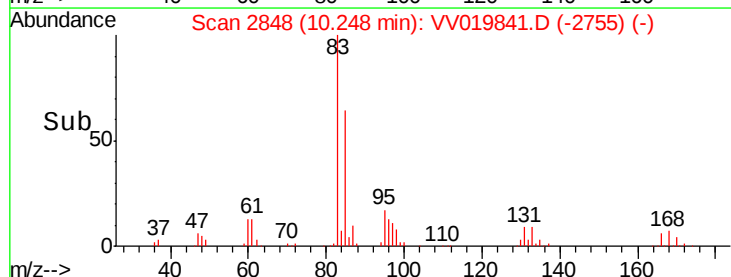
131 9.0 7.6 11.4

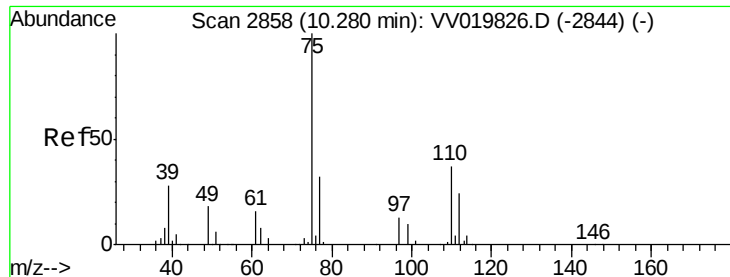


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.487 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

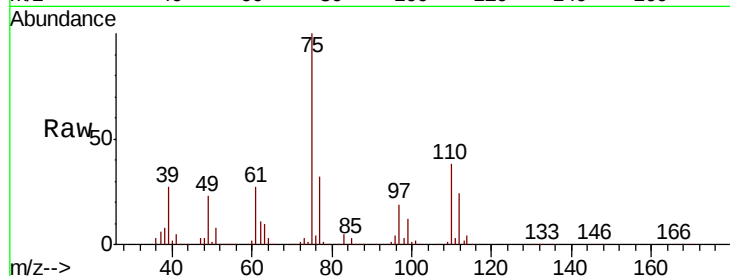
VSTD05074

Tot Ion: 75 Resp: 300001

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019826.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019826.D (-2844) (-)

10.28

200000

150000

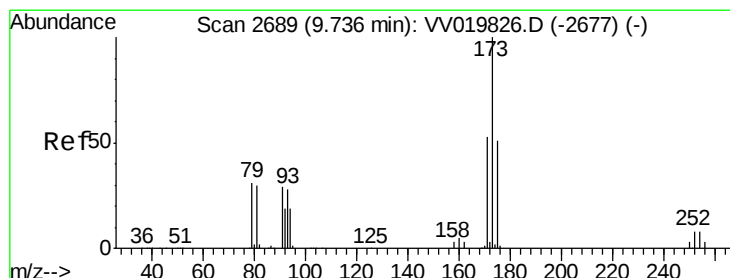
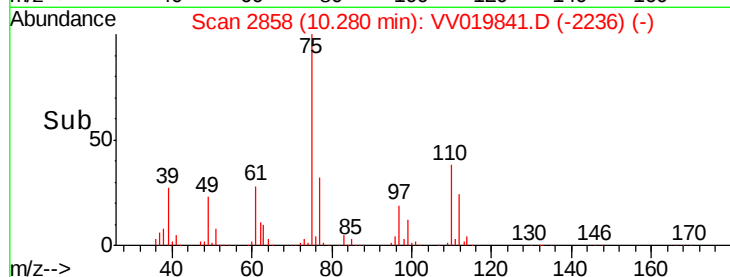
100000

50000

0

Time-->

10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 42.869 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

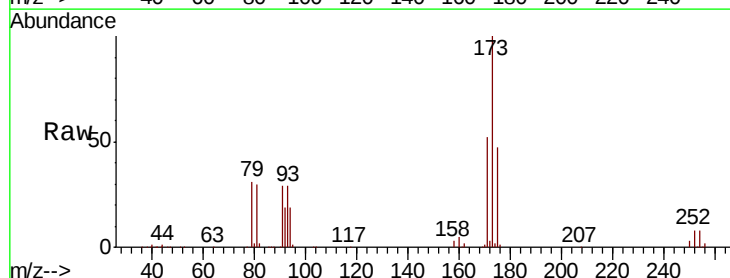
Tgt Ion: 173 Resp: 137149

Ion Ratio Lower Upper

173 100

175 46.8 38.4 57.6

254 7.5 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): VV019826.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019826.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019826.D (-2677) (-)

9.74

100000

80000

60000

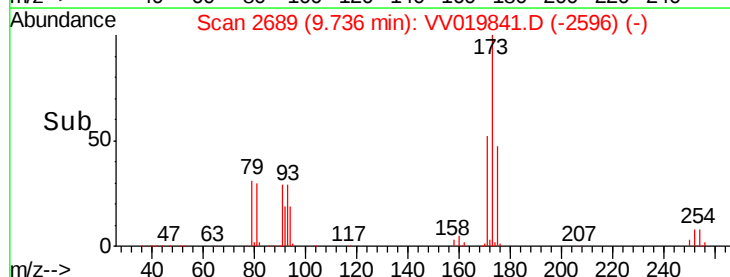
40000

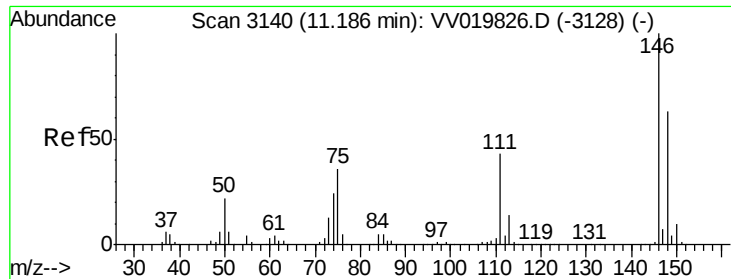
20000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 46.446 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

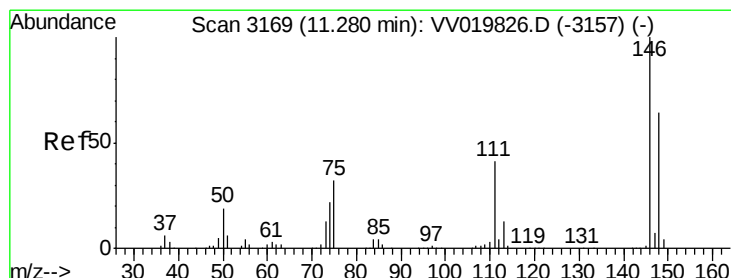
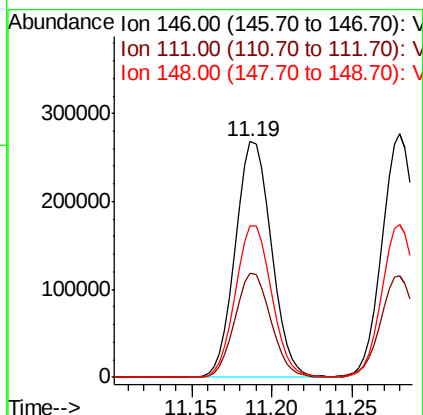
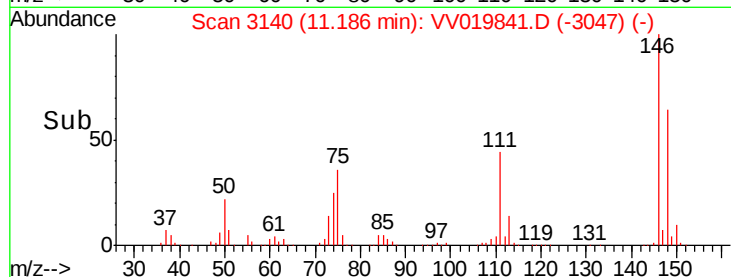
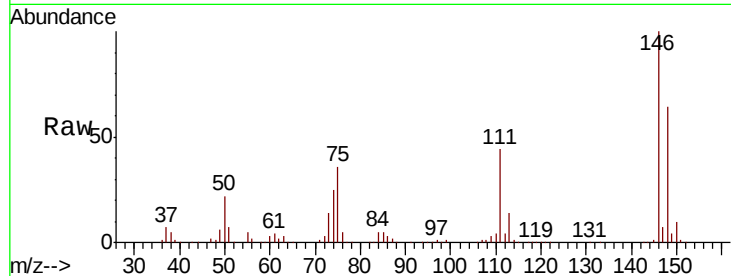
Tot Ion:146 Resp: 412021

Ion Ratio Lower Upper

146 100

111 44.3 30.7 57.1

148 64.4 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 46.886 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

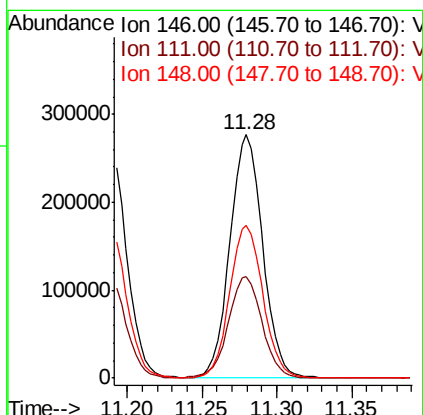
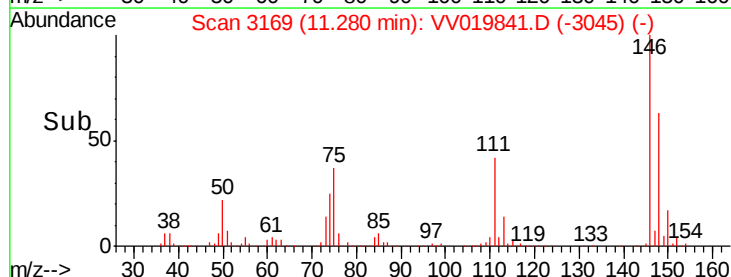
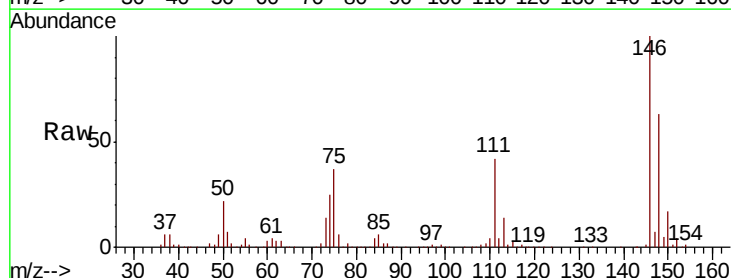
Tgt Ion:146 Resp: 421176

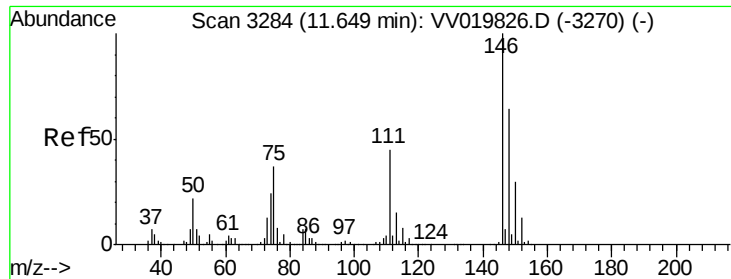
Ion Ratio Lower Upper

146 100

111 41.7 29.8 55.4

148 63.0 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 48.381 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

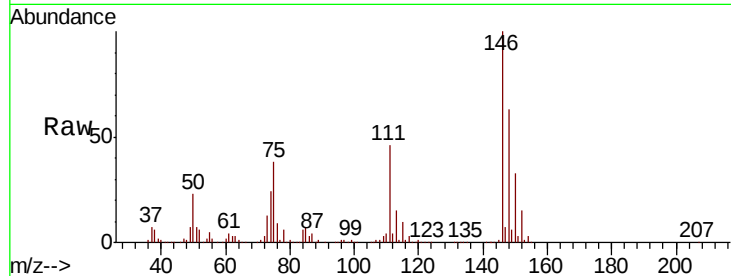
Tot Ion:146 Resp: 424092

Ion Ratio Lower Upper

146 100

111 46.2 36.6 55.0

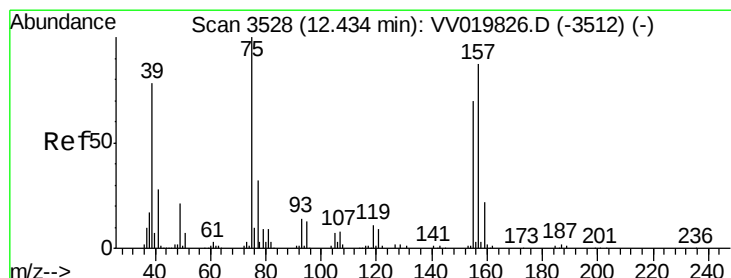
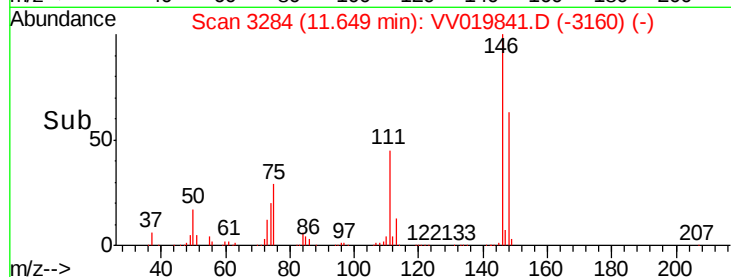
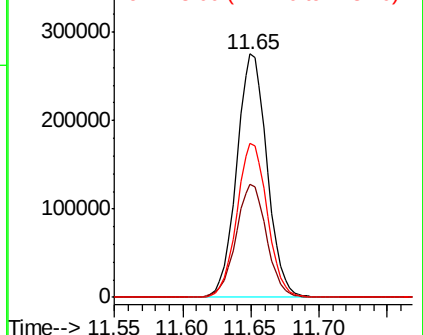
148 63.4 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.218 ug/L

RT: 12.44 min Scan# 3529

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

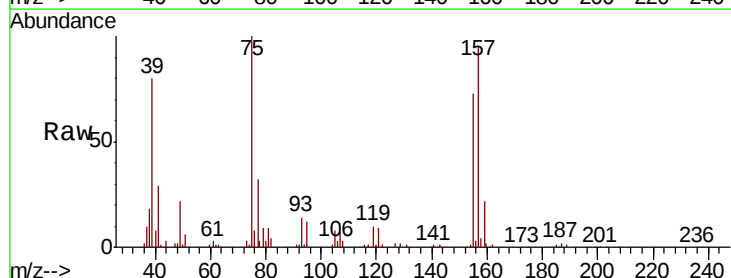
Tgt Ion: 75 Resp: 86398

Ion Ratio Lower Upper

75 100

155 73.2 61.1 91.7

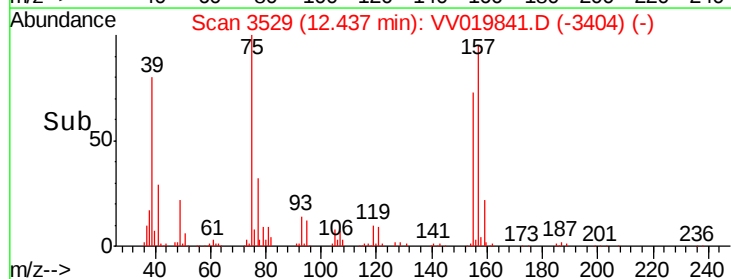
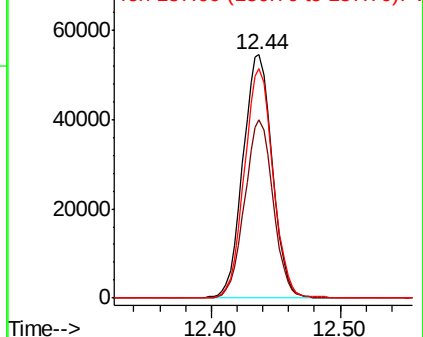
157 94.5 78.7 118.1

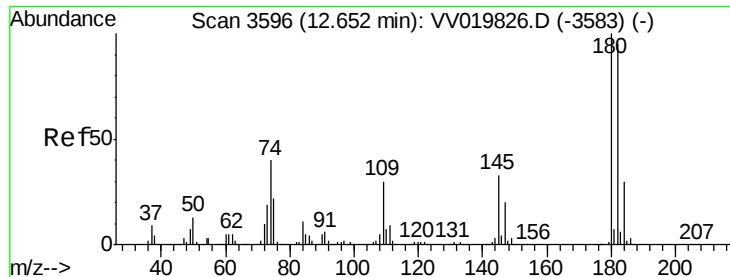


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

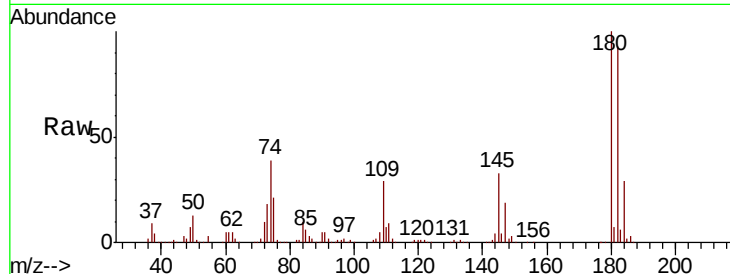




#67
 1,3,5-Trichlorobenzene
 Concen: 47.742 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019841.D
 Acq: 24 Dec 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.8	113.6
184	30.1	23.9	35.9
145	32.4	26.2	39.2



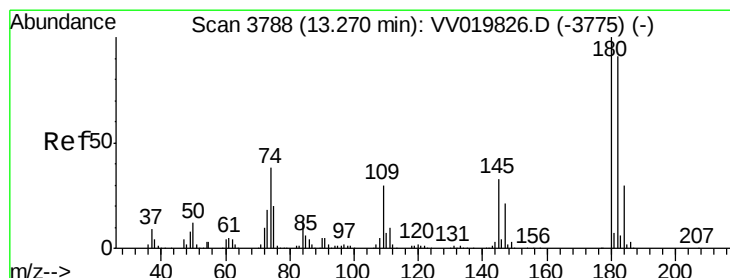
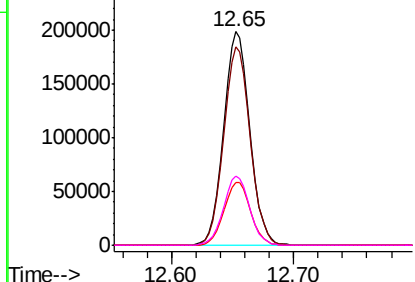
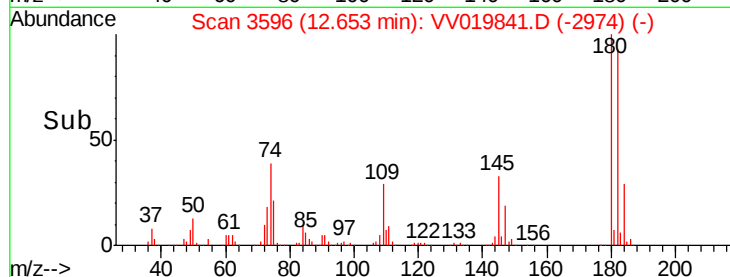
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

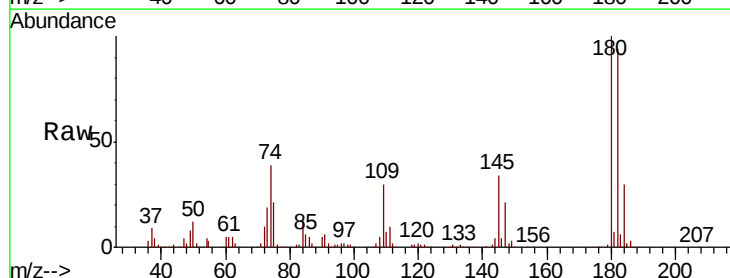
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.120 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019841.D
 Acq: 24 Dec 2020 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
145	34.2	27.0	40.6

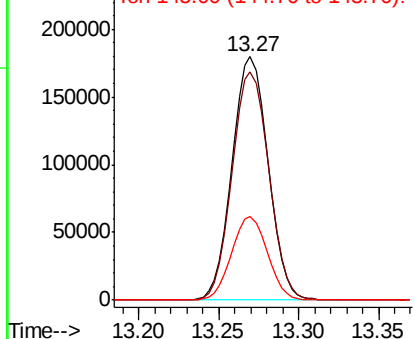
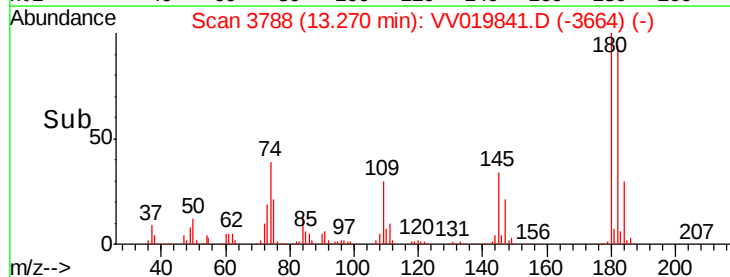


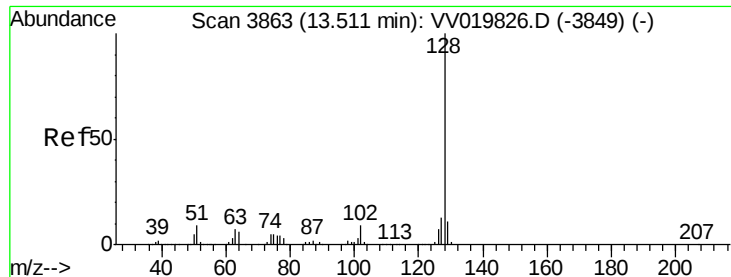
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 46.982 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05074

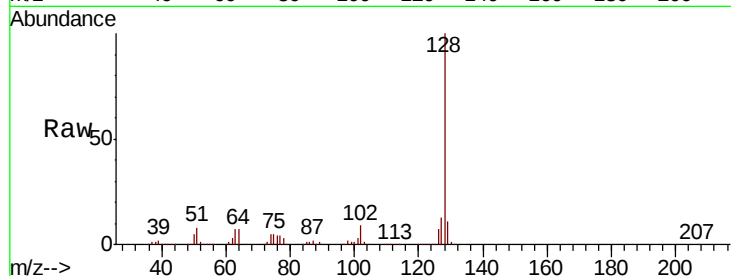
Tot Ion:128 Resp: 956015

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

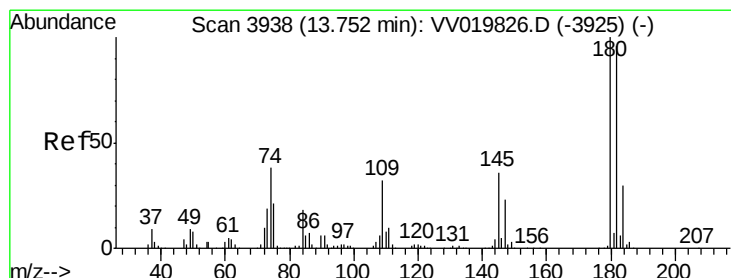
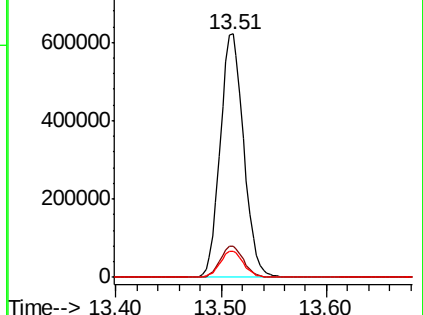
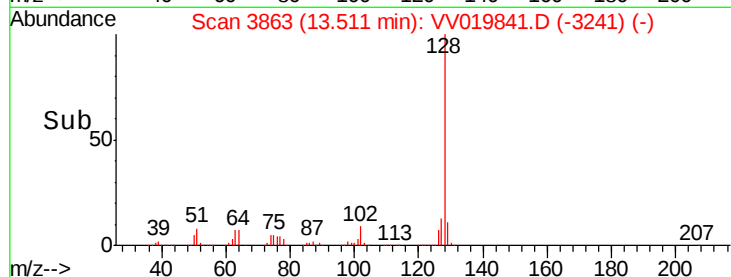
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.473 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019841.D

Acq: 24 Dec 2020 18:14

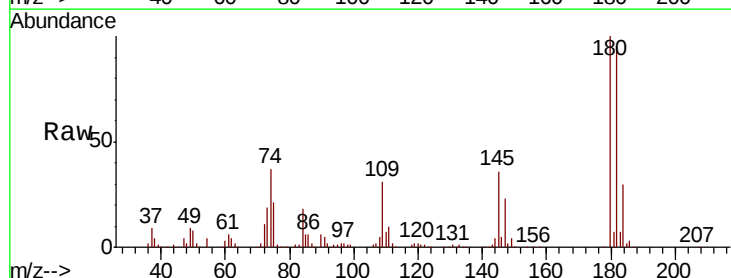
Tgt Ion:180 Resp: 277599

Ion Ratio Lower Upper

180 100

182 94.4 75.8 113.6

145 35.8 29.1 43.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

