

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111120\
 Data File : VV019343.D
 Acq On : 11 Nov 2020 18:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Nov 12 00:50:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 00:41:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257497	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	253360	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141797	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113693	55.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.12%
7) Chloroethane-d5	1.58	69	90425	56.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.76%
11) 1,1-Dichloroethene-d2	2.12	63	205258	52.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.46%
21) 2-Butanone-d5	3.91	46	142189	113.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.45%
24) Chloroform-d	4.37	84	200610	52.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.05	65	131490	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.07	84	377575	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
36) 1,2-Dichloropropane-d6	6.09	67	120061	56.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.06%
41) Toluene-d8	7.33	98	345244	50.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.02%
43) trans-1,3-Dichloropropene-	7.64	79	60740	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.96%
47) 2-Hexanone-d5	8.11	63	94818	102.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.17%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	158528	54.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.74%
64) 1,2-Dichlorobenzene-d4	11.64	152	141275	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	100125	44.284	ug/L 100
3) Chloromethane	1.25	50	114608	55.819	ug/L 100
5) Vinyl chloride	1.32	62	114568	54.502	ug/L 98
6) Bromomethane	1.53	94	73484	52.188	ug/L 98
8) Chloroethane	1.60	64	73471	56.212	ug/L 100
9) Trichlorofluoromethane	1.76	101	167147	47.708	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89862	53.296	ug/L 96
12) 1,1-Dichloroethene	2.13	96	86942	52.652	ug/L 96
13) Acetone	2.19	43	115050	98.809	ug/L 96
14) Carbon disulfide	2.31	76	237285	45.209	ug/L 100
15) Methyl Acetate	2.45	43	106003	56.491	ug/L 98
16) Methylene chloride	2.52	84	100338	53.512	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	88895	50.123	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	293967	49.500	ug/L 97
19) 1,1-Dichloroethane	3.21	63	179373	54.285	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	97388	50.033	ug/L 100
22) 2-Butanone	3.99	43	147716	116.472	ug/L 99

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

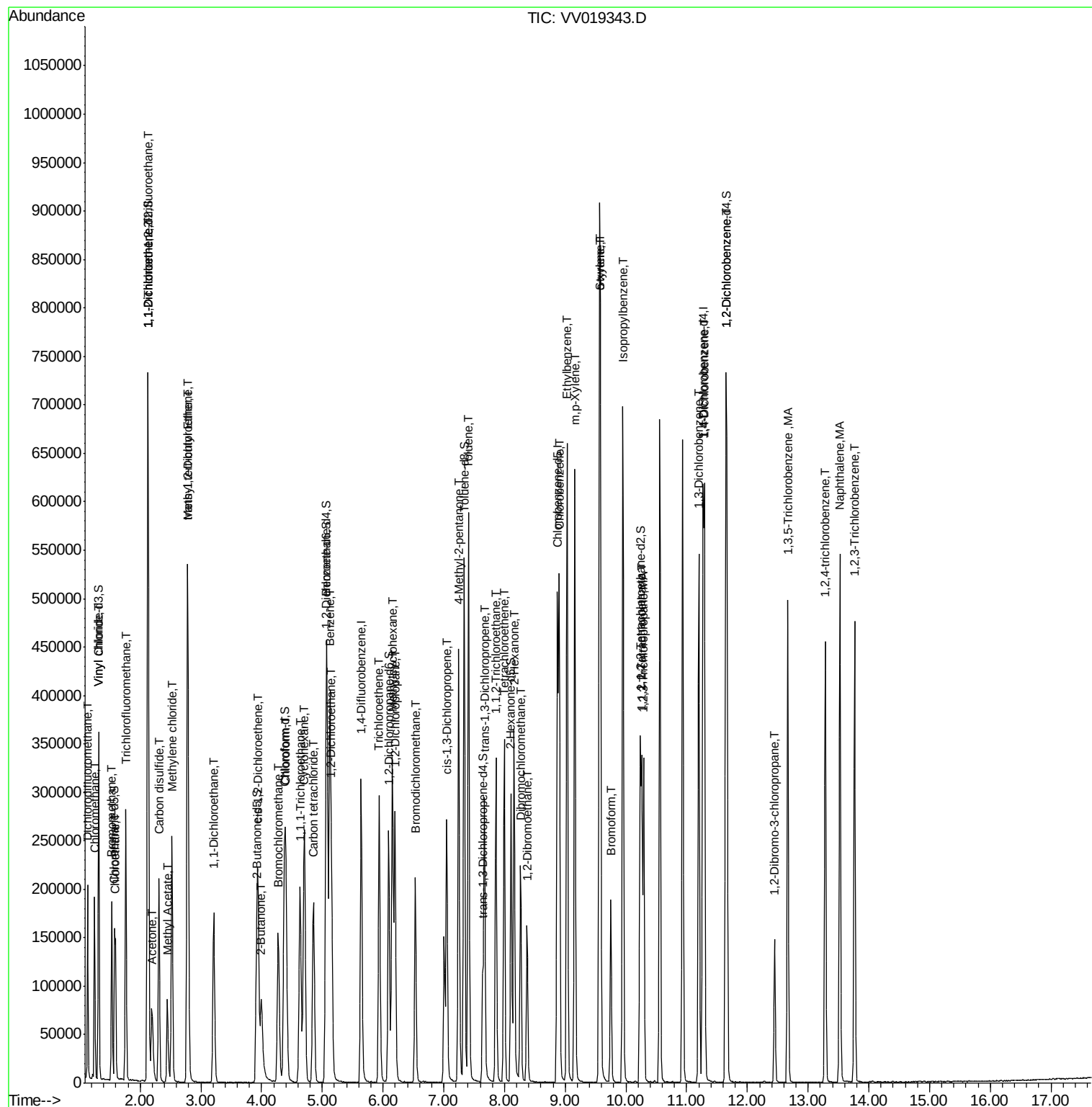
23) Bromochloromethane	4.27	128	53476	51.198	ug/L #	87
25) Chloroform	4.40	83	185841	52.047	ug/L	99
27) 1,2-Dichloroethane	5.15	62	150224	49.418	ug/L	99
29) Cyclohexane	4.70	56	134555	47.572	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	162747	47.402	ug/L	98
31) Carbon tetrachloride	4.85	117	139635	45.865	ug/L	99
33) Benzene	5.12	78	383692	52.525	ug/L	100
34) Trichloroethene	5.94	95	101439	50.690	ug/L	96
35) Methylcyclohexane	6.15	83	128816	47.682	ug/L	97
37) 1,2-Dichloropropane	6.20	63	104821	57.781	ug/L	100
38) Bromodichloromethane	6.53	83	137765	51.049	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	159364	53.184	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	290320	116.007	ug/L	99
42) Toluene	7.41	91	408321	50.988	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	160245	51.408	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	98403	54.085	ug/L	98
46) Tetrachloroethene	8.00	164	78176	45.749	ug/L	98
48) 2-Hexanone	8.16	43	229774	115.513	ug/L	98
49) Dibromochloromethane	8.27	129	112821	51.214	ug/L	97
50) 1,2-Dibromoethane	8.37	107	103498	53.317	ug/L	99
51) Chlorobenzene	8.90	112	263223	50.135	ug/L	99
52) Ethylbenzene	9.03	91	436829	49.504	ug/L	100
53) m,p-Xylene	9.16	106	165686	49.712	ug/L	100
54) o-xylene	9.56	106	160843	50.265	ug/L	99
55) Styrene	9.58	104	292858	51.637	ug/L	98
56) Isopropylbenzene	9.95	105	418215	48.632	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	152098	54.900	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	129969	54.803	ug/L	98
61) Bromoform	9.75	173	82988	47.445	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	214266	47.906	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	222619	47.893	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	217082	48.995	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34968	46.125	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	148989	45.252	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	138177	44.793	ug/L	99
69) Naphthalene	13.52	128	403781	46.733	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	144843	47.981	ug/L	100

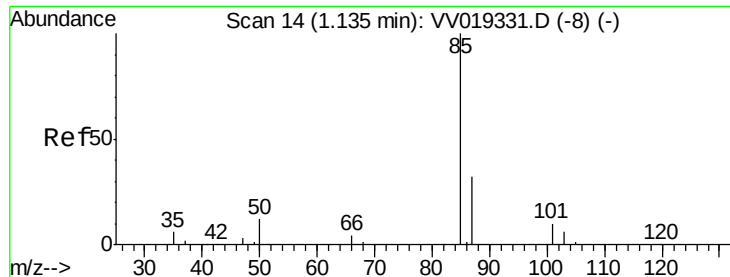
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.284 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

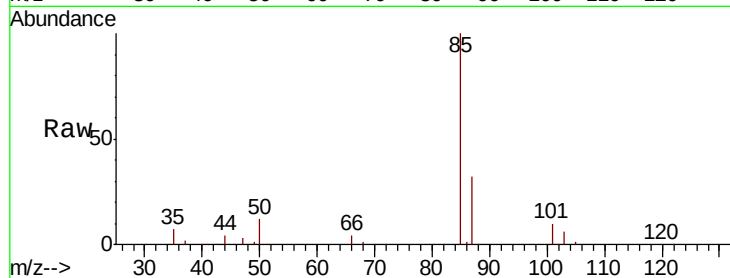
VSTD05094

Tot Ion: 85 Resp: 100125

Ion Ratio Lower Upper

85 100

87 31.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

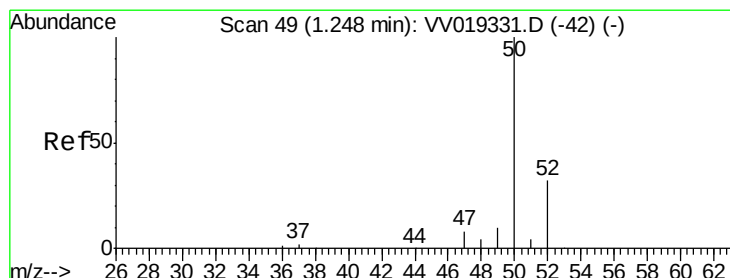
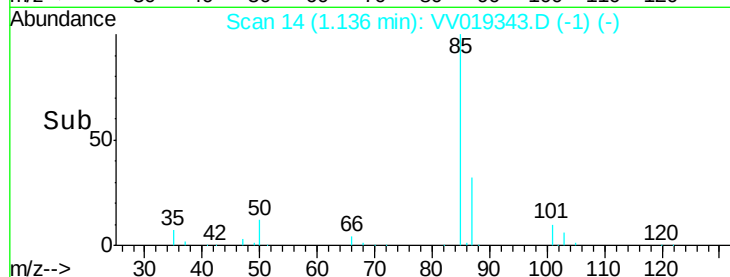
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 55.819 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019343.D

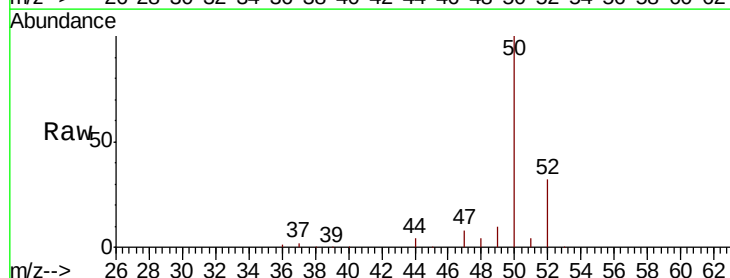
Acq: 11 Nov 2020 18:24

Tgt Ion: 50 Resp: 114608

Ion Ratio Lower Upper

50 100

52 31.8 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

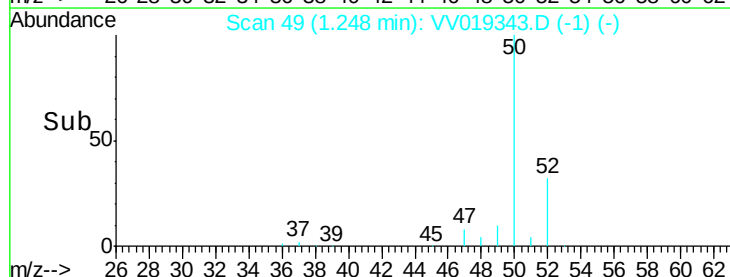
1.25

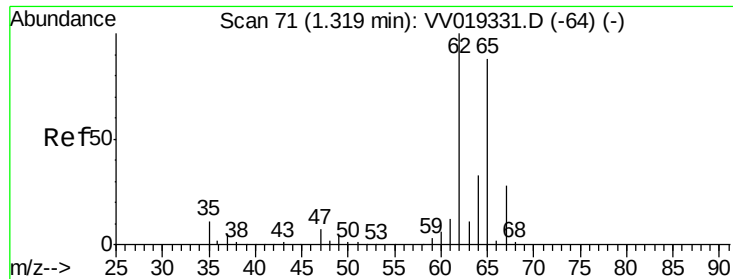
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 54.502 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

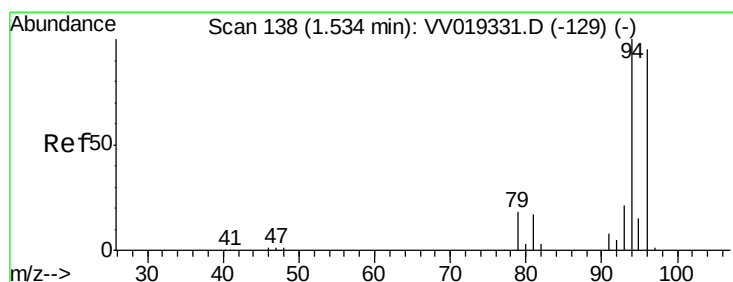
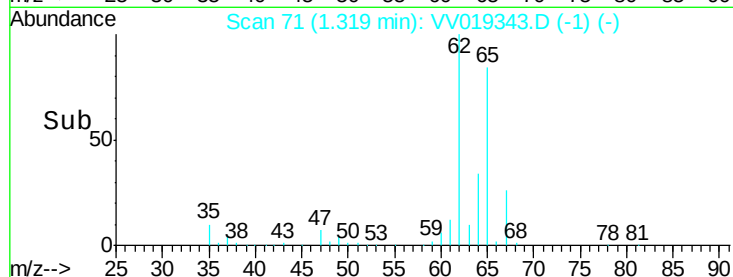
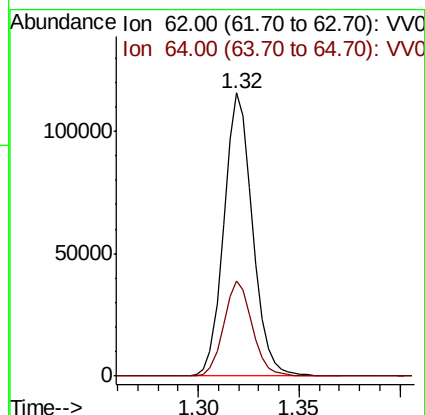
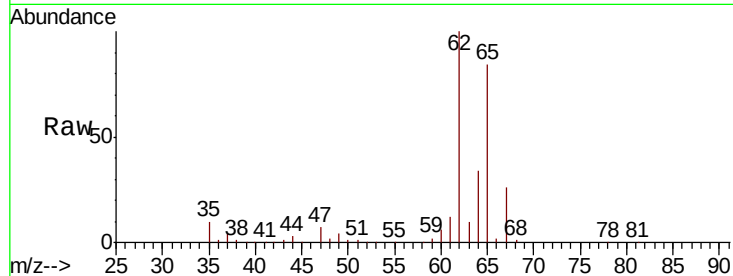
VSTD05094

Tot Ion: 62 Resp: 114568

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



#6

Bromomethane

Concen: 52.188 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019343.D

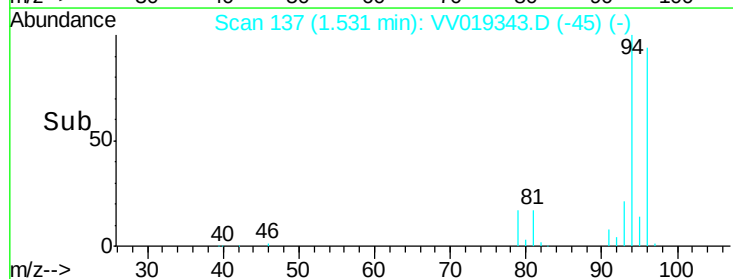
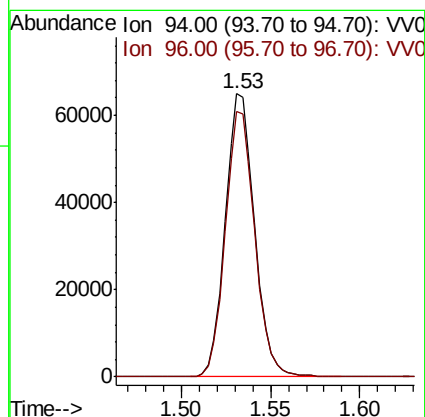
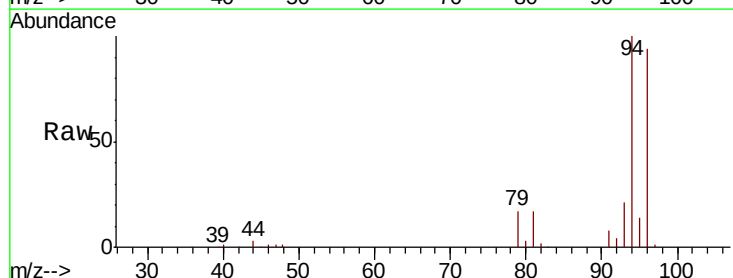
Acq: 11 Nov 2020 18:24

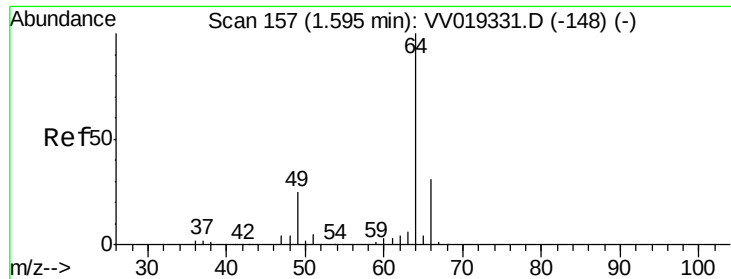
Tgt Ion: 94 Resp: 73484

Ion Ratio Lower Upper

94 100

96 93.7 67.0 124.4





#8

Chloroethane

Concen: 56.212 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

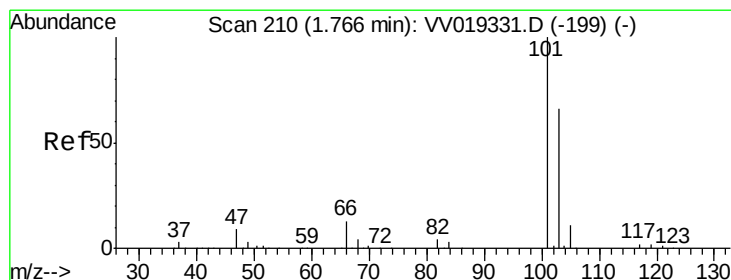
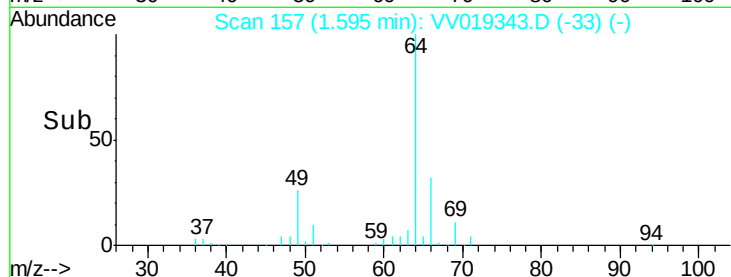
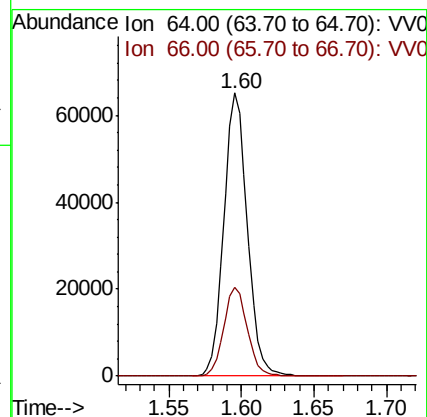
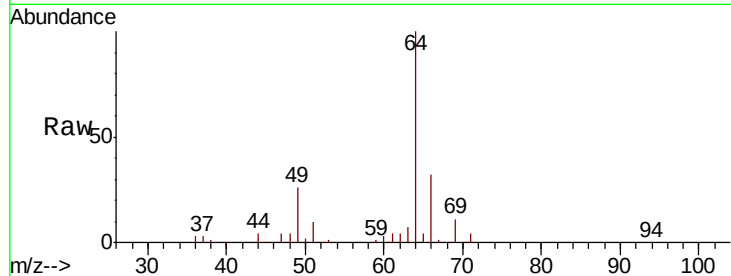
VSTD05094

Tot Ion: 64 Resp: 73471

Ion Ratio Lower Upper

64 100

66 31.6 22.0 40.8



#9

Trichlorofluoromethane

Concen: 47.708 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019343.D

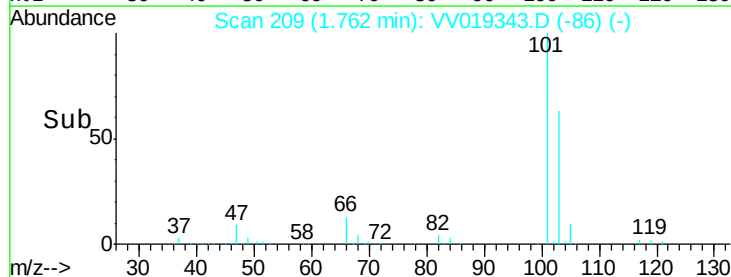
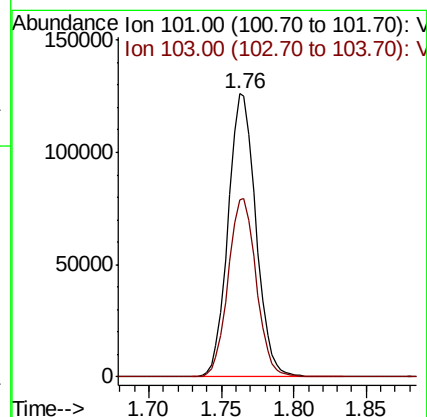
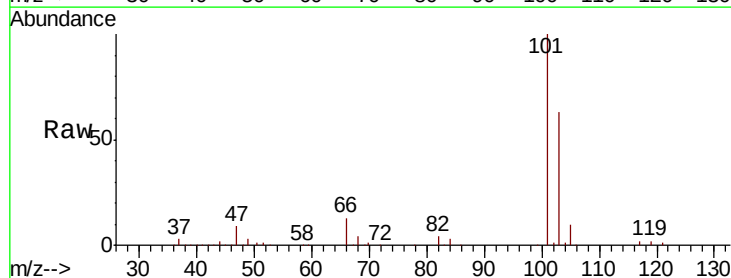
Acq: 11 Nov 2020 18:24

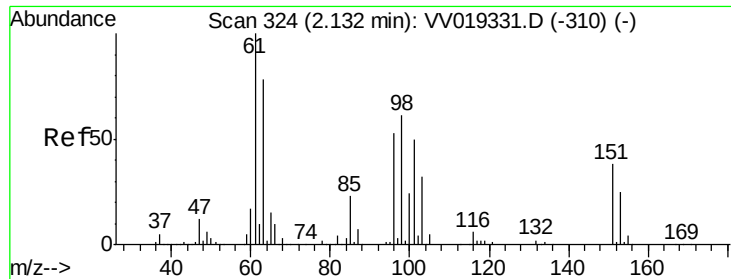
Tgt Ion: 101 Resp: 167147

Ion Ratio Lower Upper

101 100

103 63.8 51.9 77.9





#10

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

Concen: 53.296 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

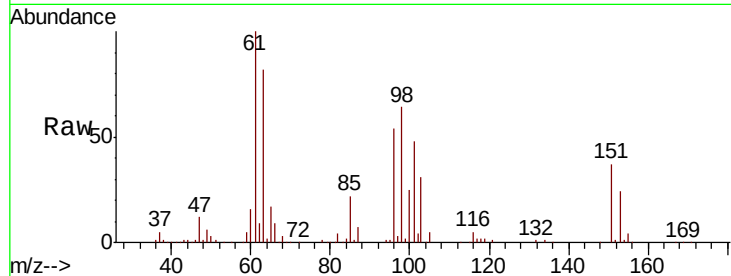
Tot Ion:101 Resp: 89862

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

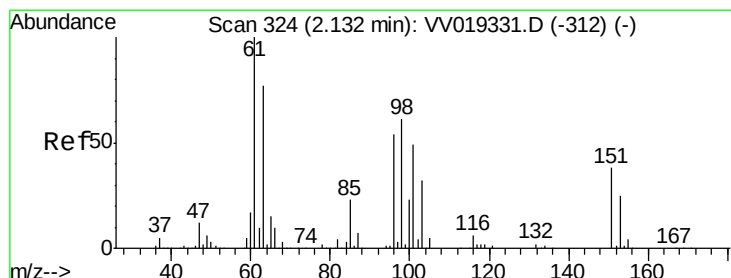
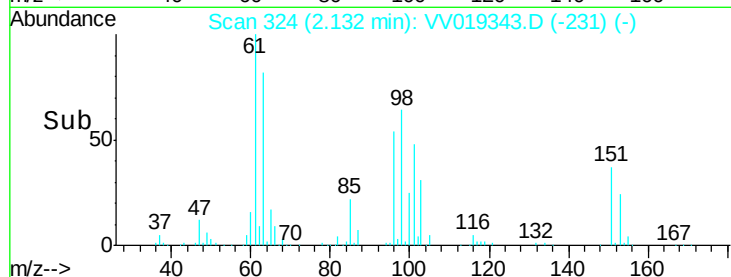
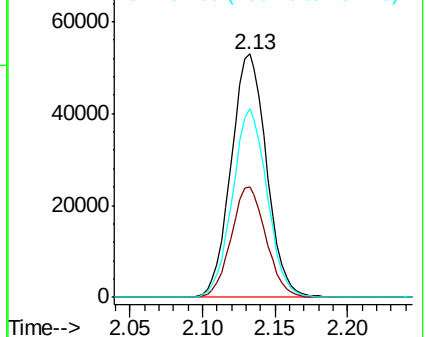
151 75.8 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): VV019331.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019331.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019331.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 52.652 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

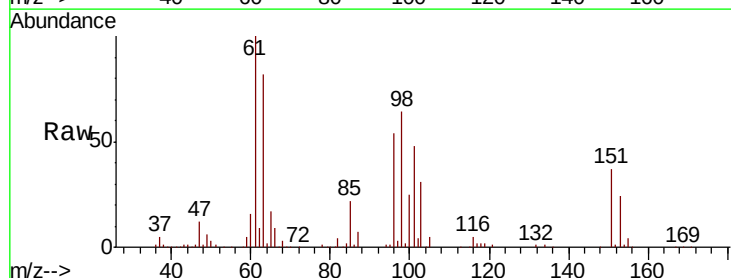
Tgt Ion: 96 Resp: 86942

Ion Ratio Lower Upper

96 100

61 184.3 132.6 246.2

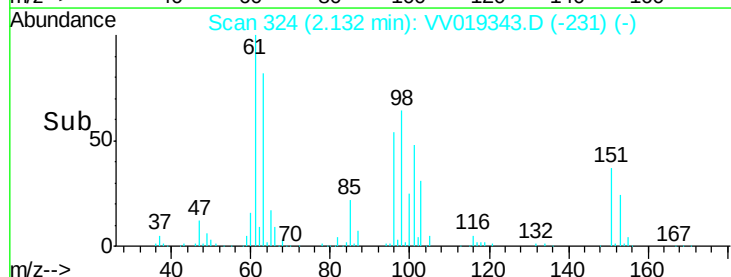
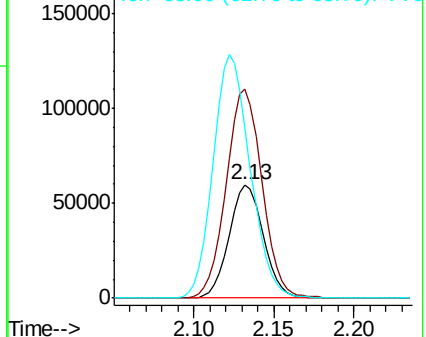
63 150.3 108.4 201.4

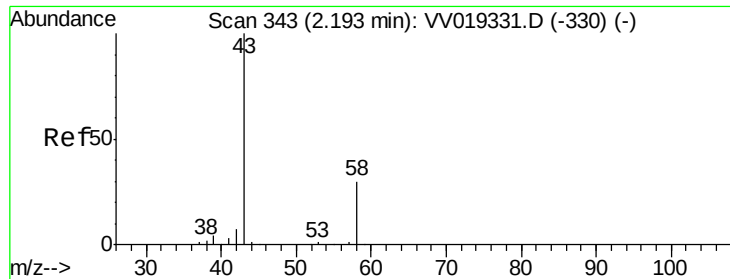


Abundance Ion 96.00 (95.70 to 96.70): VV019331.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV019331.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV019331.D (-312) (-)





#13

Acetone

Concen: 98.809 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

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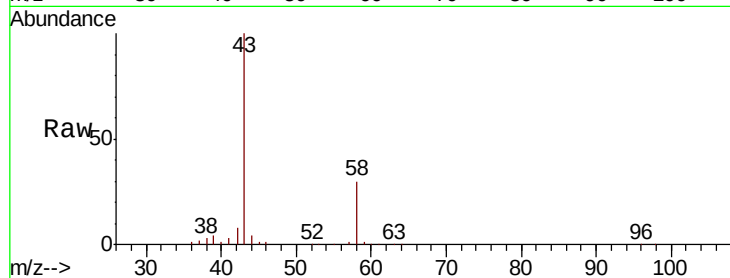
VSTD05094

Tot Ion: 43 Resp: 115050

Ion Ratio Lower Upper

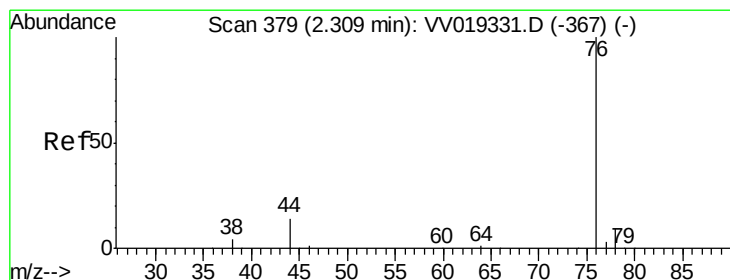
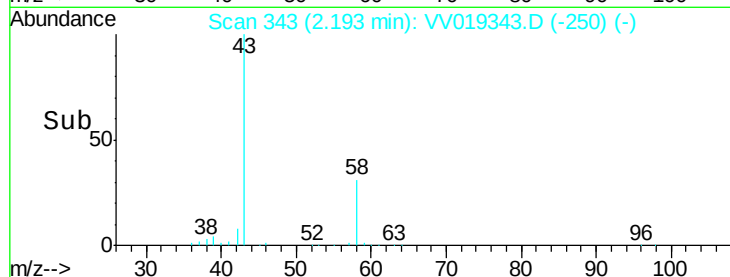
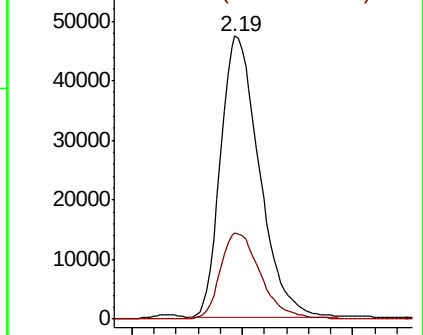
43 100

58 31.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019343.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV019343.D (-250) (-)



#14

Carbon disulfide

Concen: 45.209 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019343.D

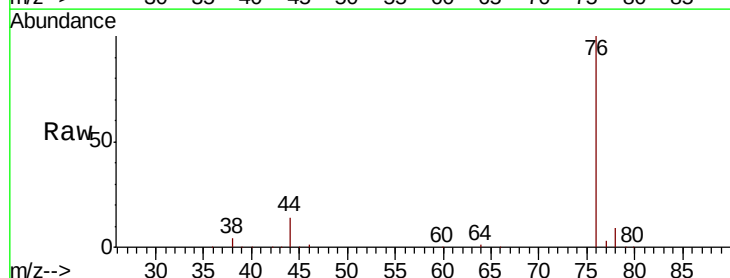
Acq: 11 Nov 2020 18:24

Tgt Ion: 76 Resp: 237285

Ion Ratio Lower Upper

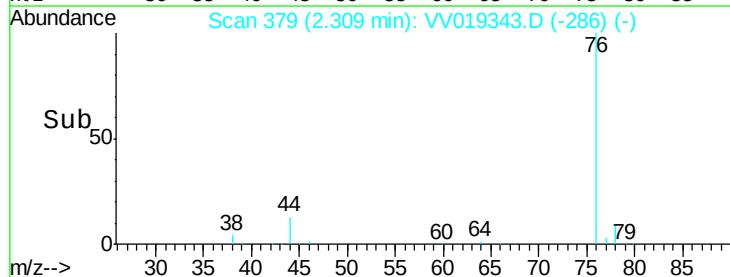
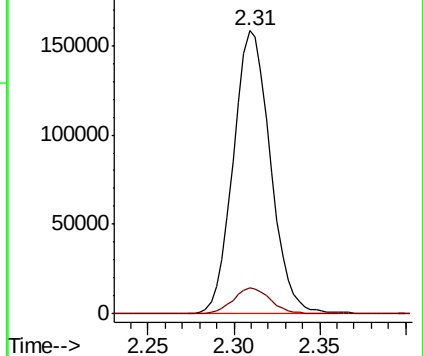
76 100

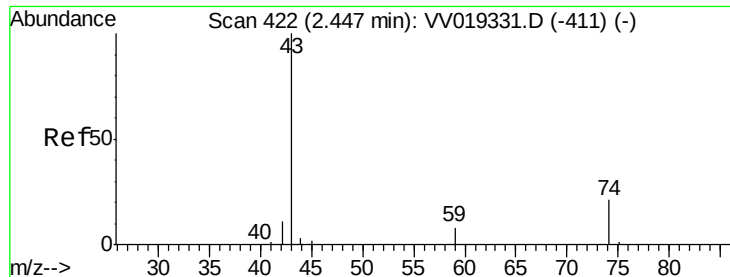
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019343.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019343.D (-286) (-)

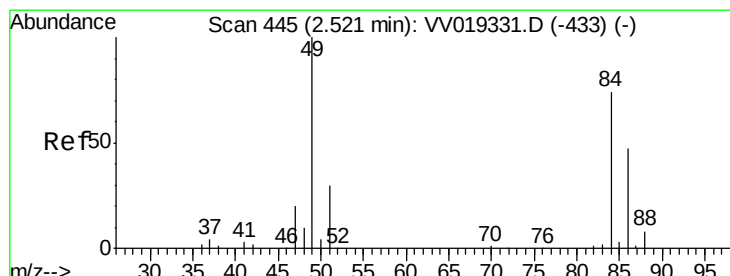
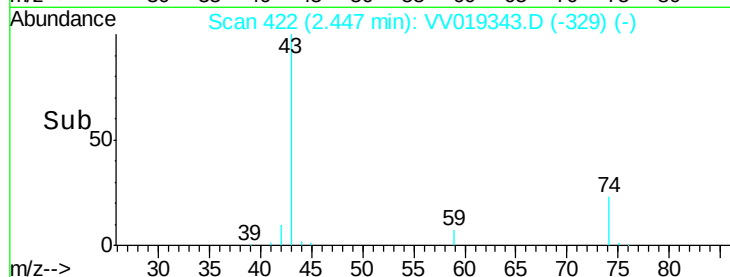
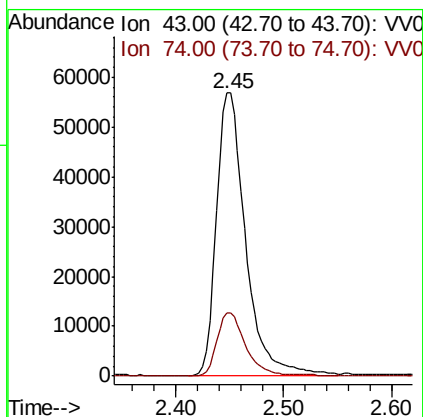
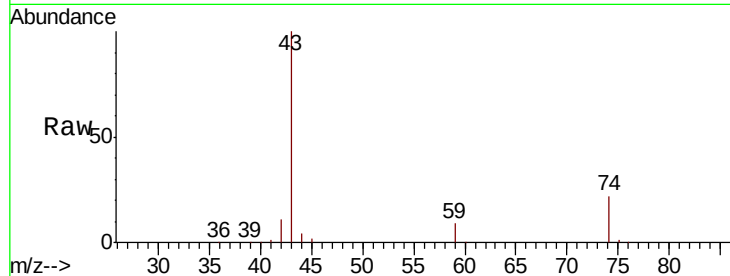




#15
Methvl Acetate
Concen: 56.491 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

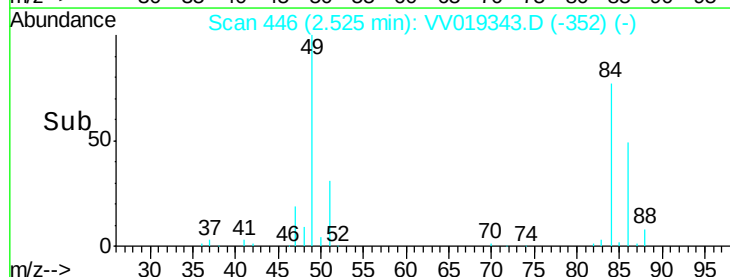
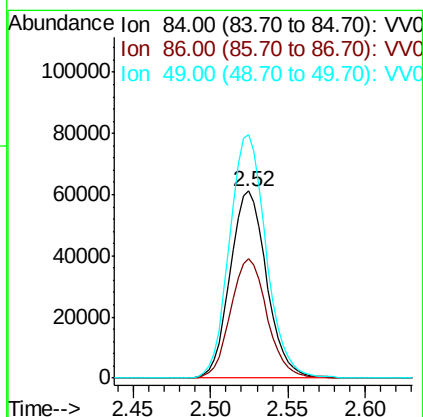
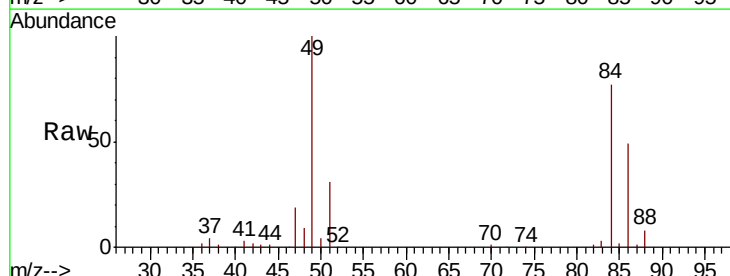
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

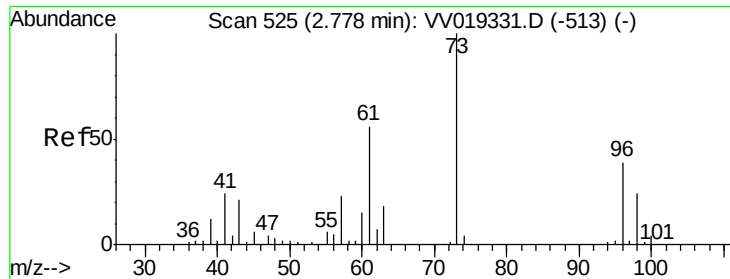
Tot Ion: 43 Resp: 106003
Ion Ratio Lower Upper
43 100
74 21.8 18.4 27.6



#16
Methylene chloride
Concen: 53.512 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Tgt Ion: 84 Resp: 100338
Ion Ratio Lower Upper
84 100
86 63.5 46.0 85.4
49 130.1 87.8 163.2

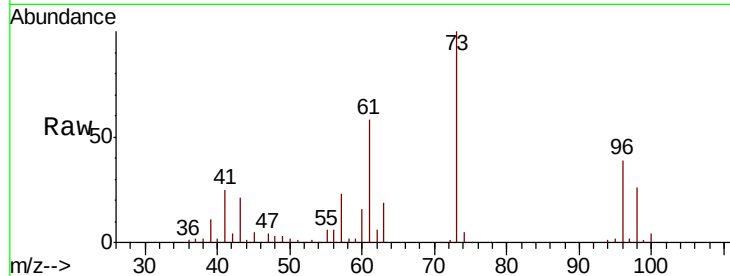




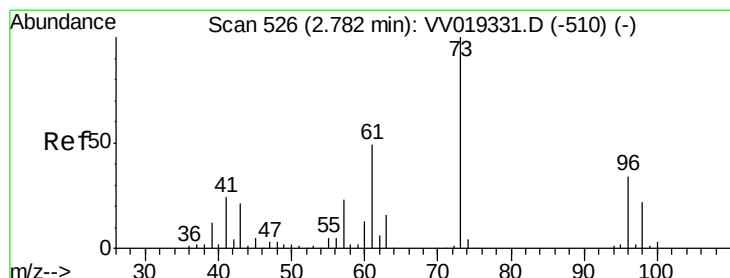
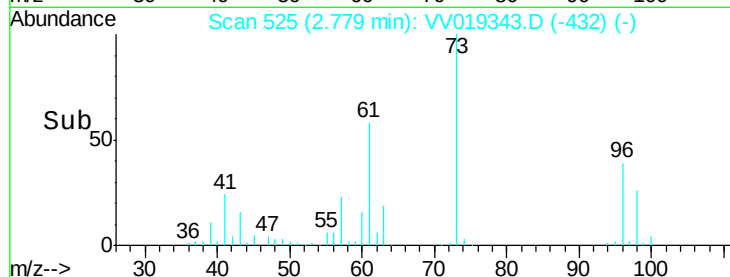
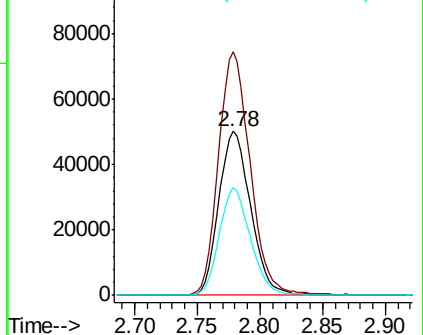
#17
trans-1,2-Dichloroethene
Concen: 50.123 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Instrument :
MSVOA_V
ClientSampled :
VSTD05094

Tot Ion: 96 Resp: 88895
Ion Ratio Lower Upper
96 100
61 148.4 102.4 190.2
98 65.6 45.9 85.3

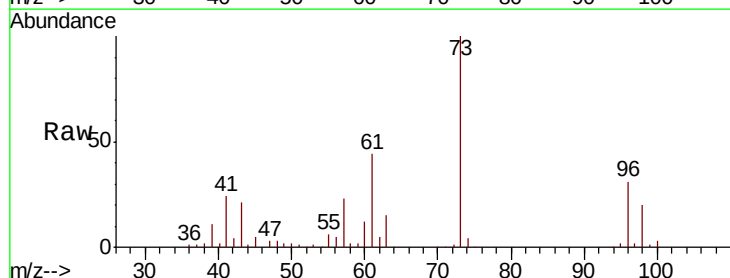


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

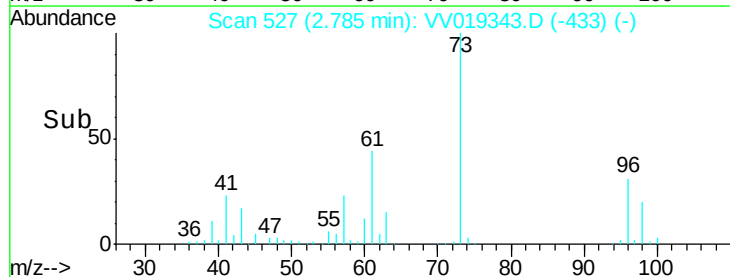
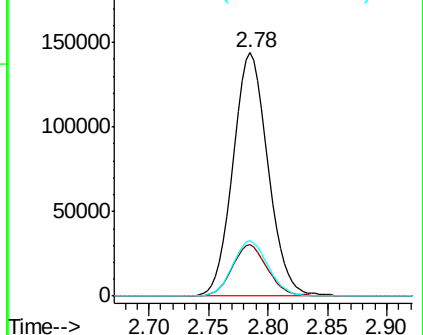


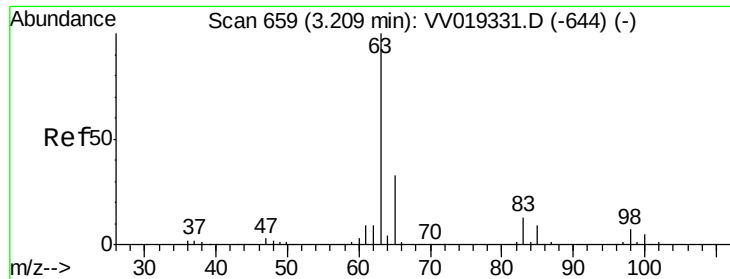
#18
Methyl tert-butyl Ether
Concen: 49.500 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Tgt Ion: 73 Resp: 293967
Ion Ratio Lower Upper
73 100
43 21.1 17.9 26.9
57 23.0 17.1 25.7



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

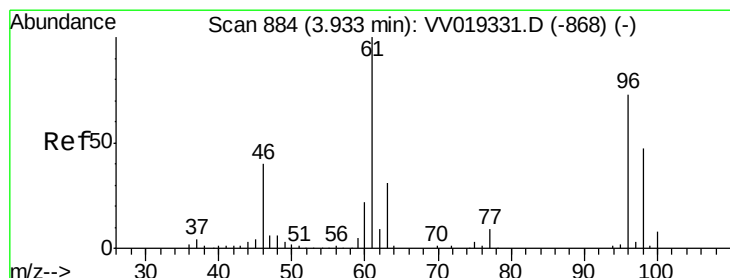
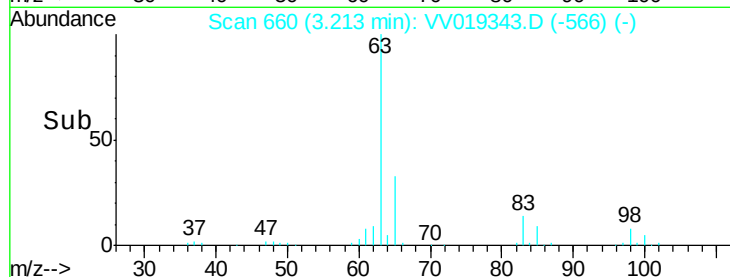
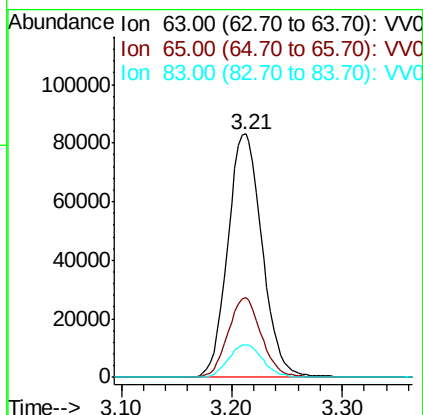
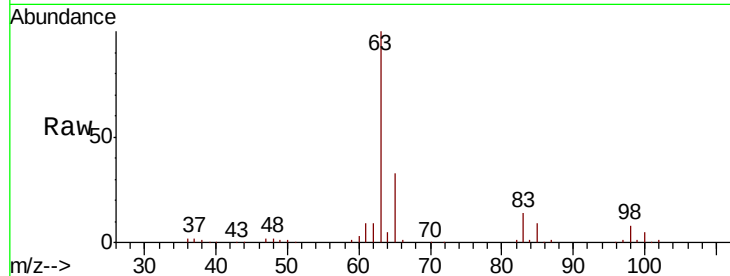




#19
 1,1-Dichloroethane
 Concen: 54.285 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

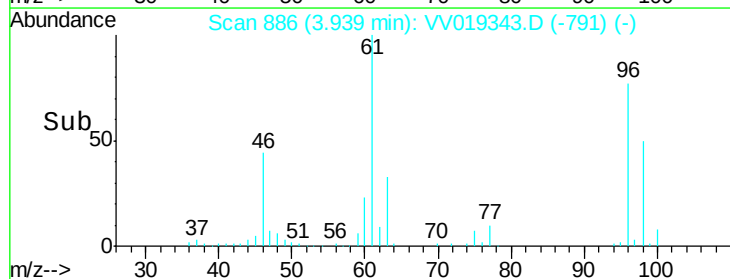
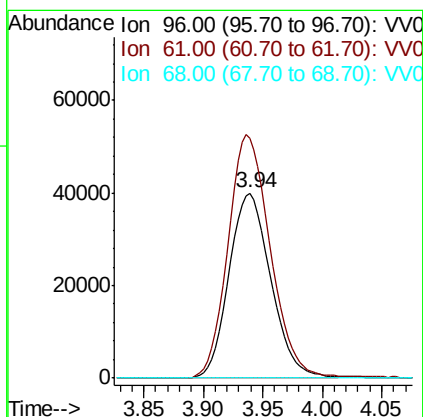
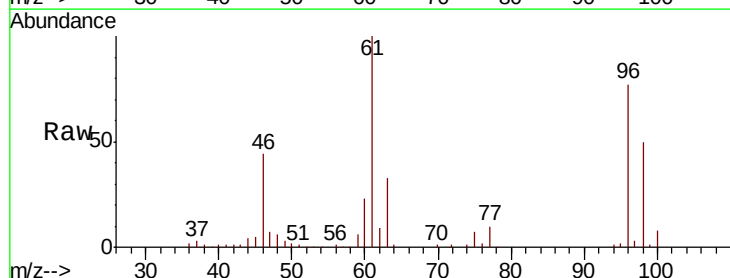
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05094

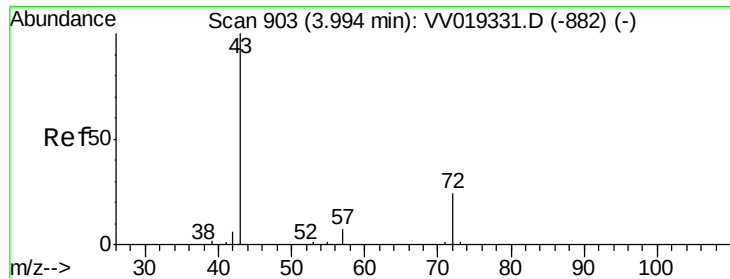
Tot Ion: 63 Resp: 179373
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.0 40.8
 83 13.5 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 50.033 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

Tgt Ion: 96 Resp: 97388
 Ion Ratio Lower Upper
 96 100
 61 129.7 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 116.472 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampled :

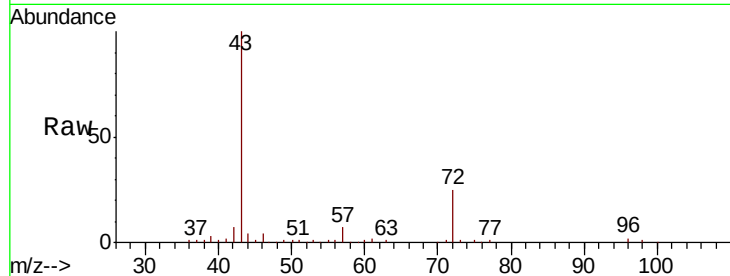
VSTD05094

Tot Ion: 43 Resp: 147716

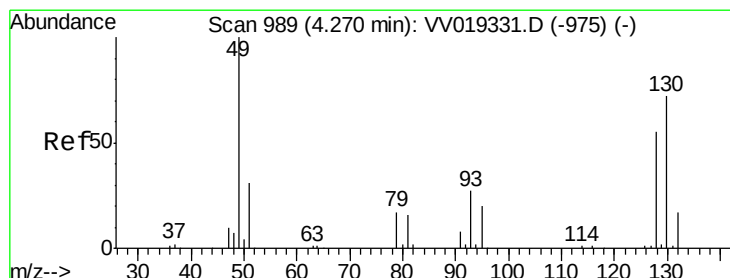
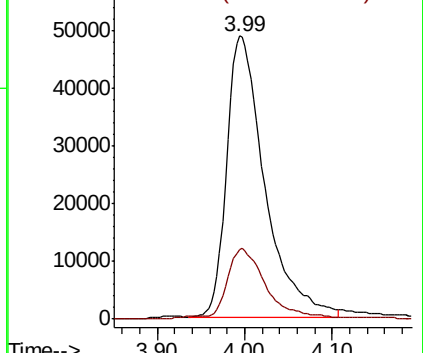
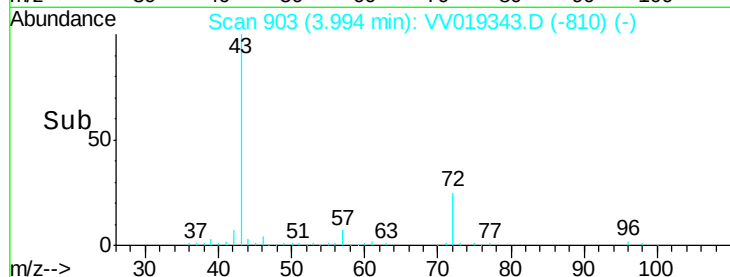
Ion Ratio Lower Upper

43 100

72 23.2 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019343.D (-810) (-)



#23

Bromochloromethane

Concen: 51.198 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Tgt Ion:128 Resp: 53476

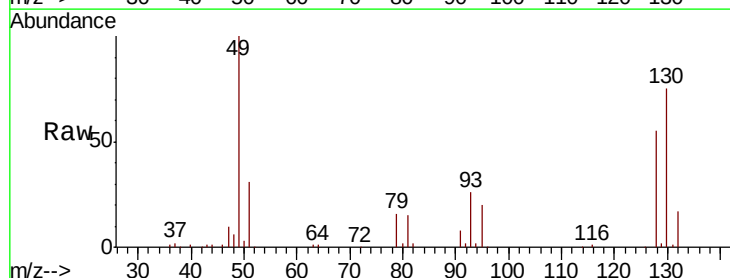
Ion Ratio Lower Upper

128 100

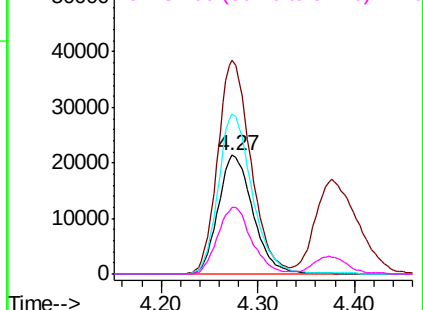
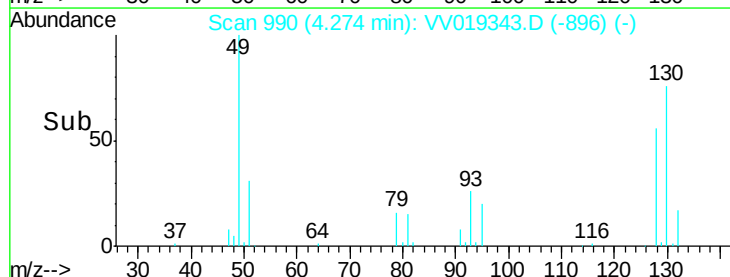
49 180.3 108.5 201.5

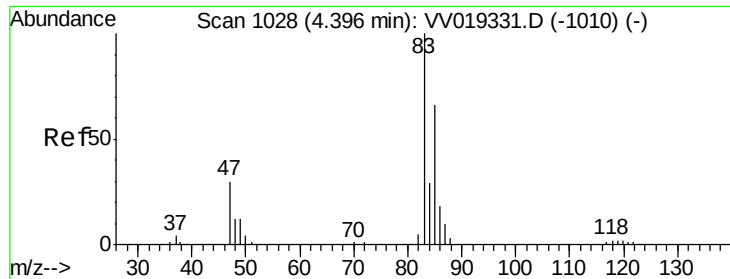
130 135.2 90.4 167.8

51 55.7 36.9 55.3#



Abundance Ion 128.00 (127.70 to 128.70): VV019343.D (-896) (-)

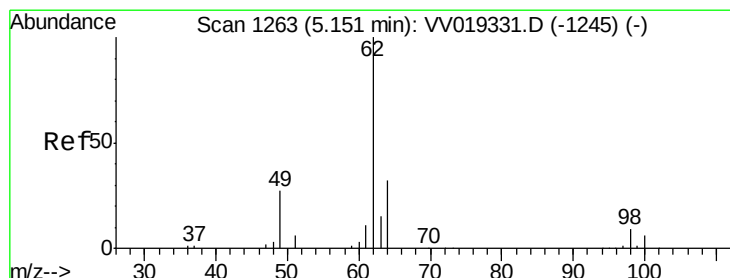
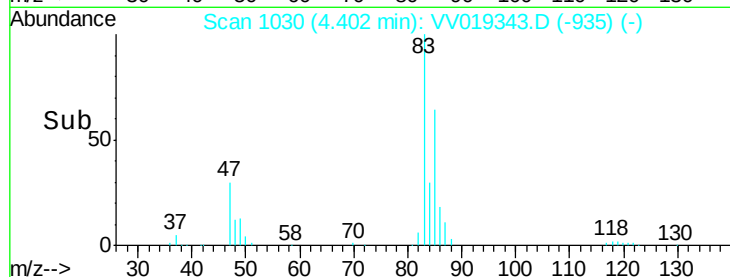
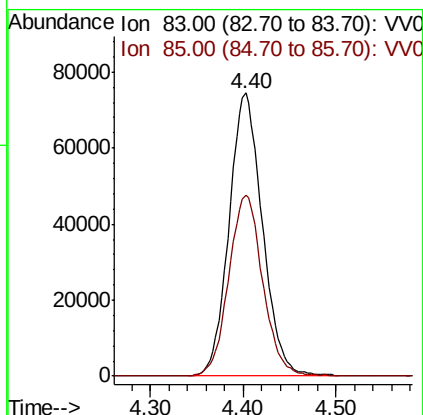
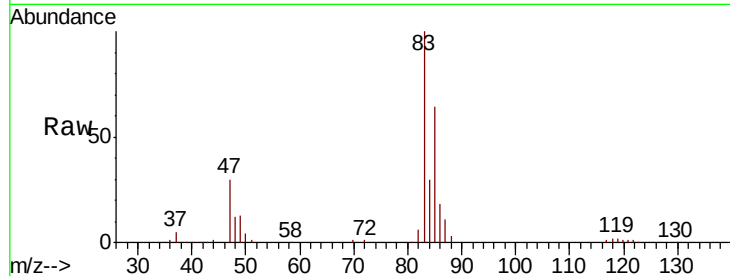




#25
Chloroform
Concen: 52.047 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

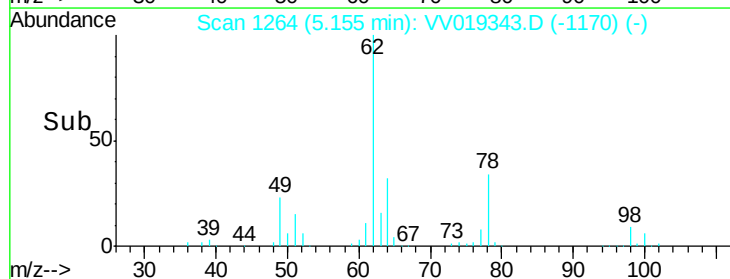
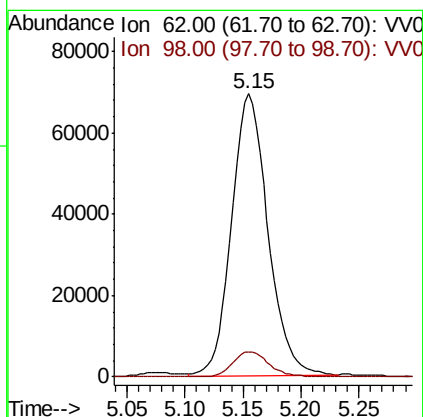
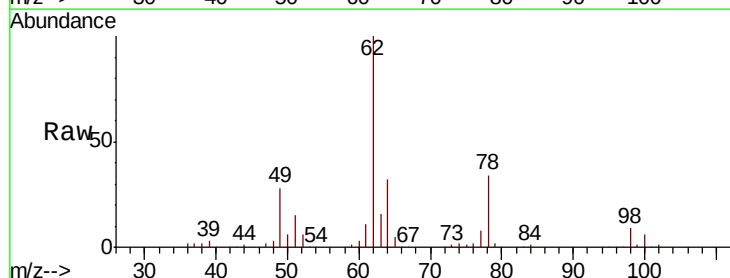
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

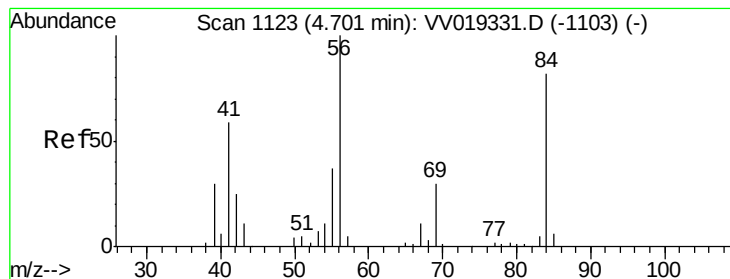
Tot Ion: 83 Resp: 185841
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.418 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Tgt Ion: 62 Resp: 150224
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2





#29

Cyclohexane

Concen: 47.572 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

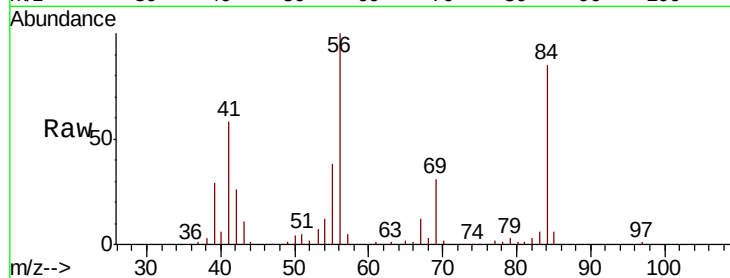
Tot Ion: 56 Resp: 134555

Ion Ratio Lower Upper

56 100

69 30.8 25.0 37.4

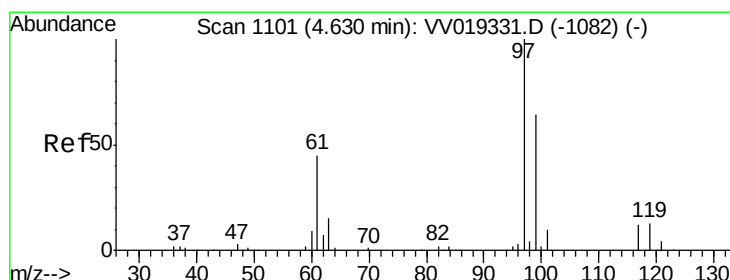
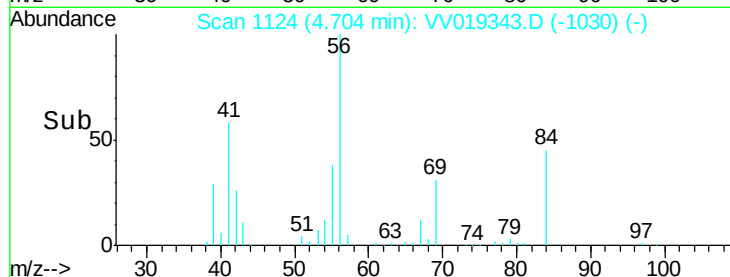
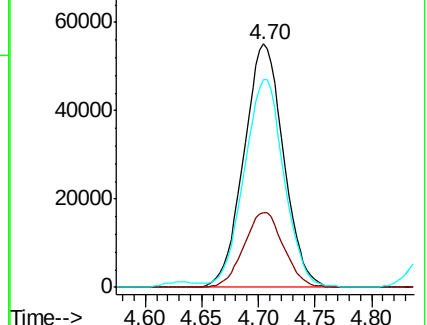
84 86.0 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV019343.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV019343.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV019343.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 47.402 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

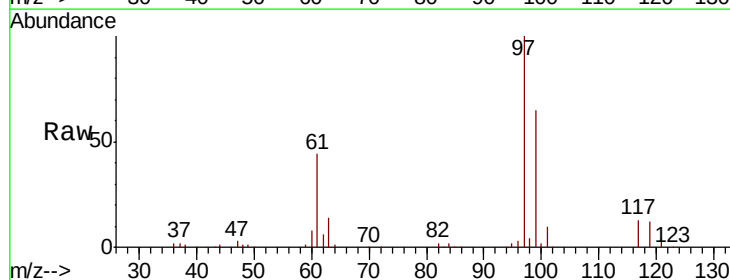
Tgt Ion: 97 Resp: 162747

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

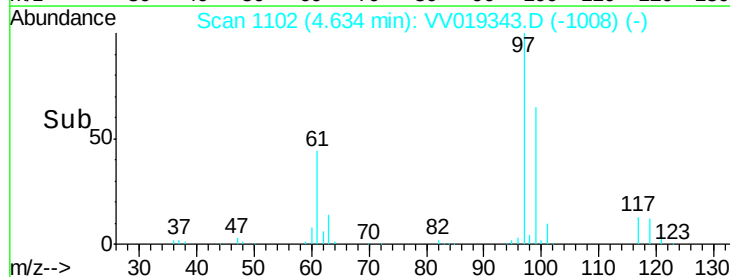
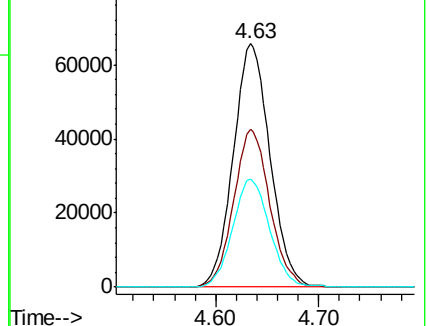
61 44.8 34.6 52.0

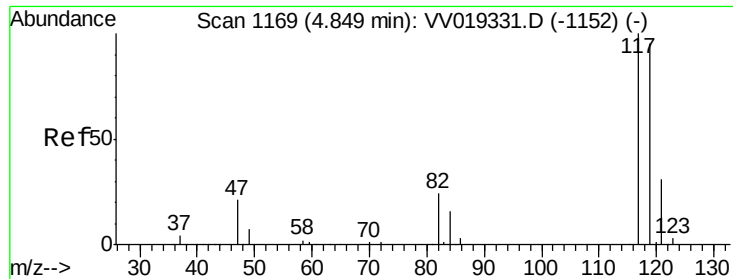


Abundance Ion 97.00 (96.70 to 97.70): VV019343.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV019343.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV019343.D (-1008) (-)

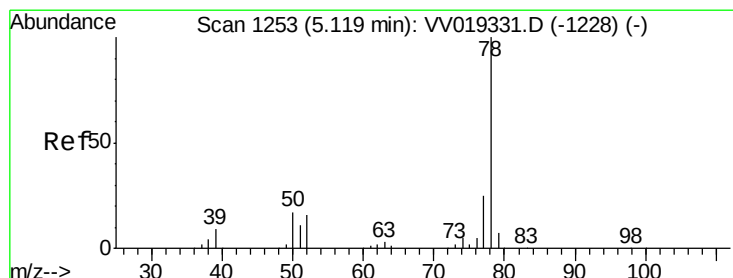
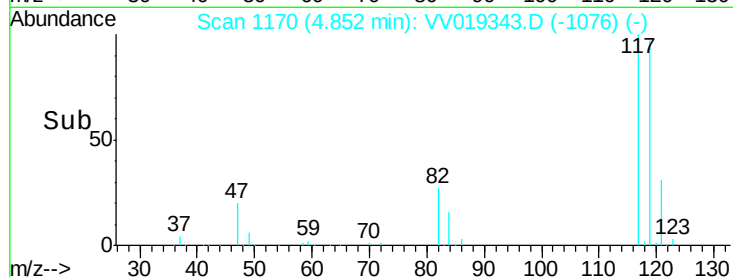
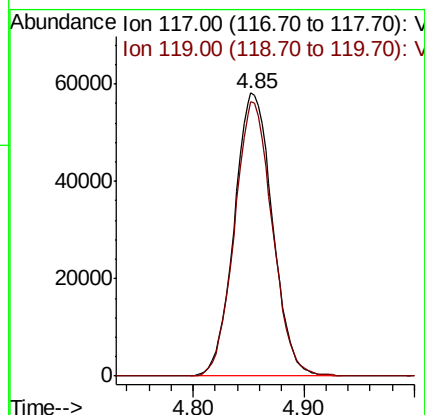
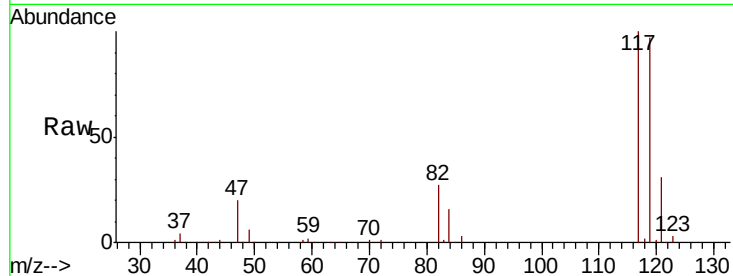




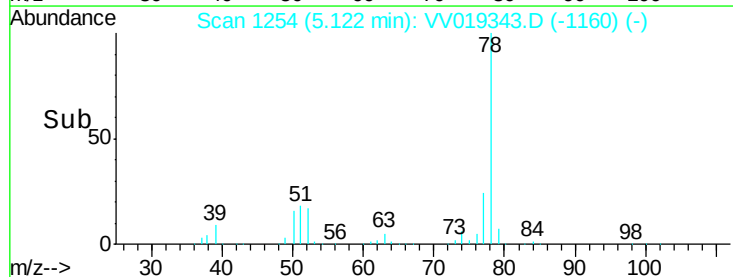
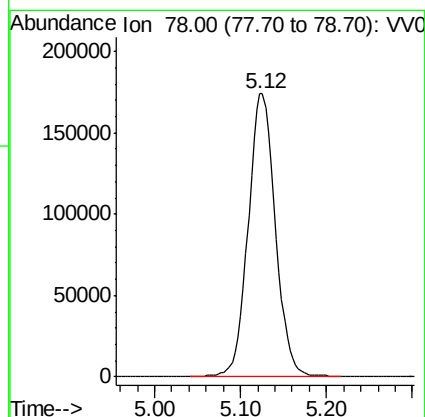
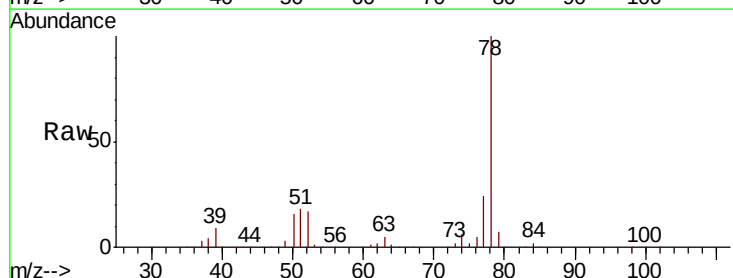
#31
Carbon tetrachloride
Concen: 45.865 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

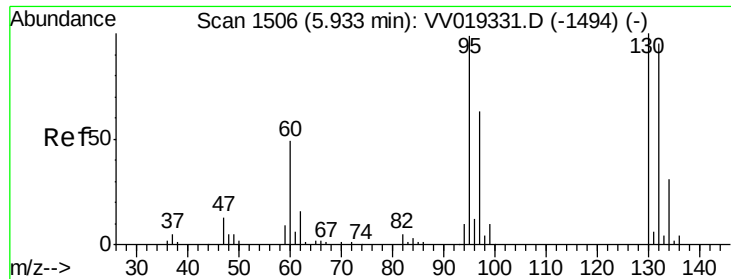
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion:117 Resp: 139635
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8



#33
Benzene
Concen: 52.525 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24
Tgt Ion: 78 Resp: 383692

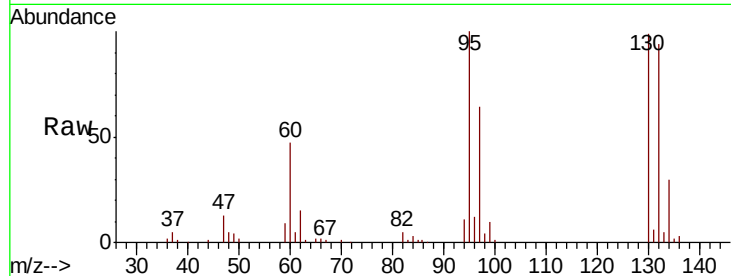




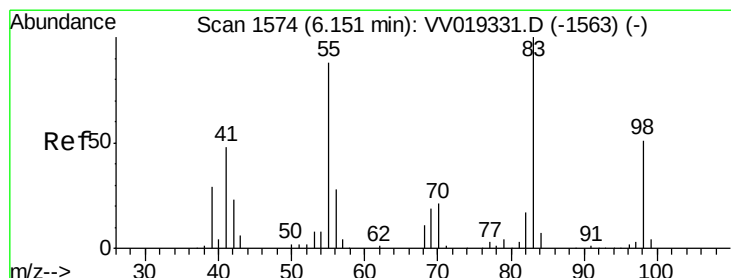
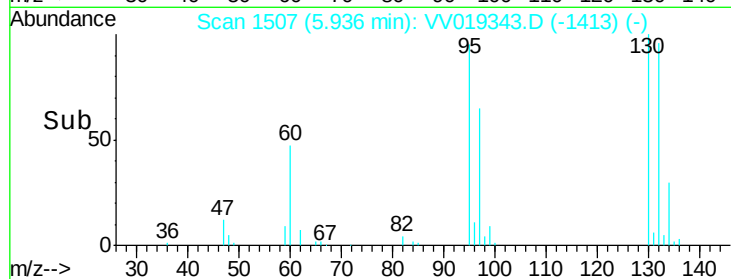
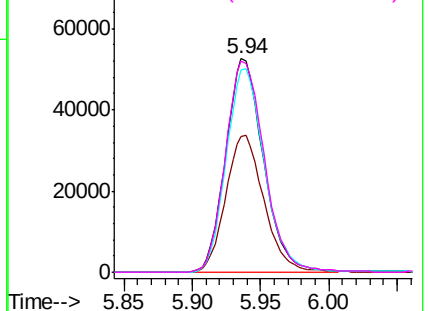
#34
 Trichloroethene
 Concen: 50.690 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion:	95	Resp:	101439
Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.4	80.6
132	94.4	69.7	129.4
130	98.7	72.4	134.5

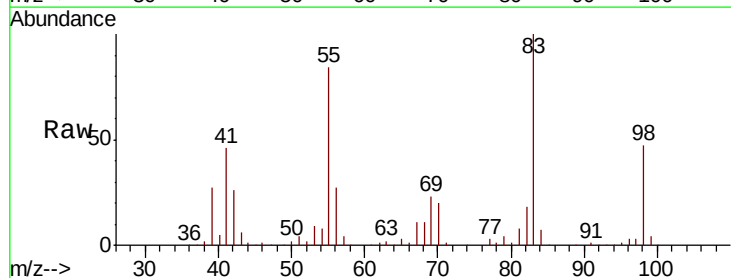


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

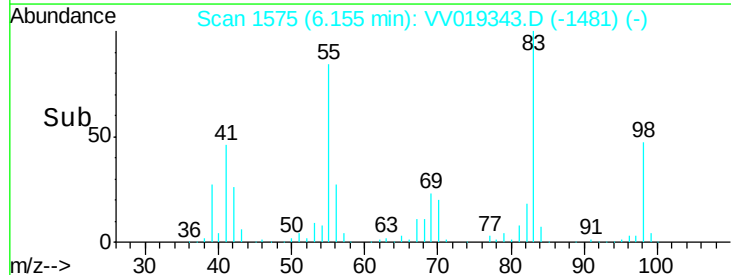
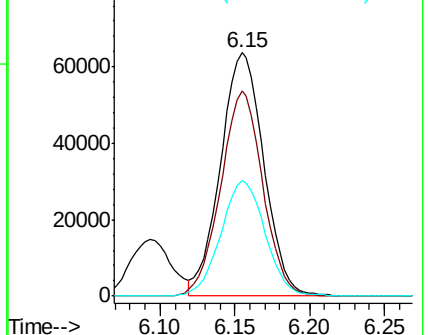


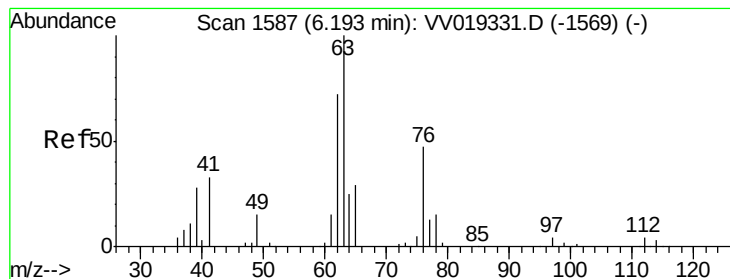
#35
 Methylcyclohexane
 Concen: 47.682 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

Tgt Ion:	83	Resp:	128816
Ion	Ratio	Lower	Upper
83	100		
55	81.3	62.2	93.4
98	48.4	39.4	59.2



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: 57.781 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

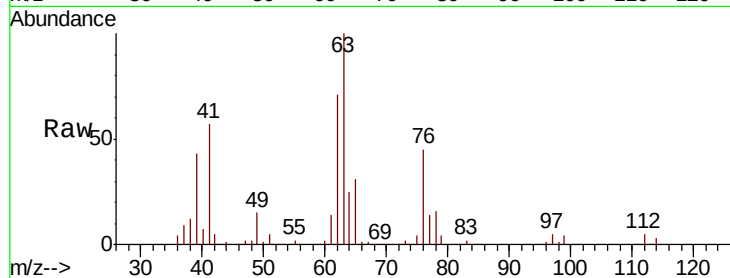
VSTD05094

Tot Ion: 63 Resp: 104821

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.8

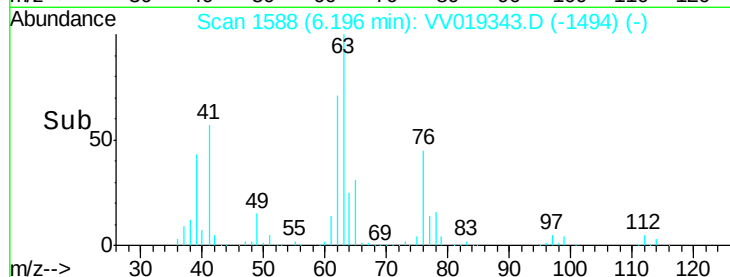


Abundance Ion 63.00 (62.70 to 63.70): VV019343.D (-1588) (-)

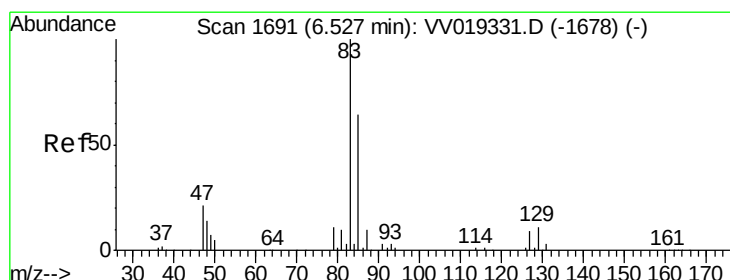
Ion 112.00 (111.70 to 112.70): VV019343.D (-1588) (-)

6.20

6.10 6.15 6.20 6.25 6.30



Time-->



#38

Bromodichloromethane

Concen: 51.049 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

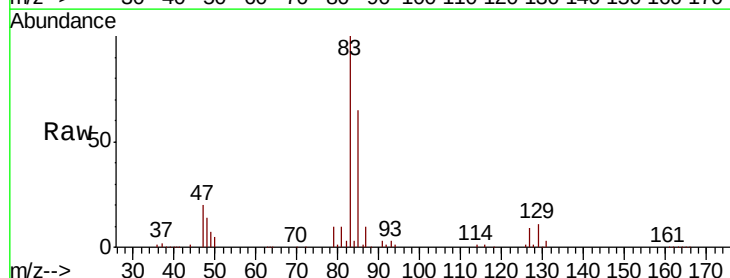
Tgt Ion: 83 Resp: 137765

Ion Ratio Lower Upper

83 100

85 65.4 45.9 85.3

127 9.4 6.9 10.3



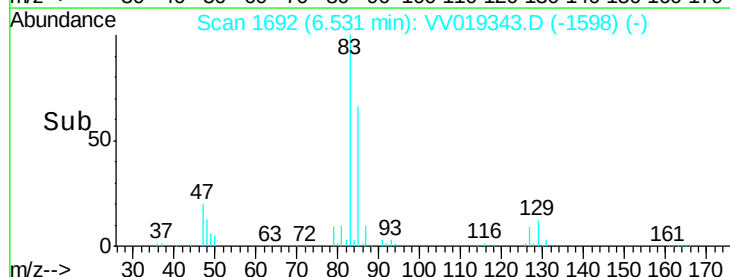
Abundance Ion 83.00 (82.70 to 83.70): VV019343.D (-1692) (-)

Ion 85.00 (84.70 to 85.70): VV019343.D (-1692) (-)

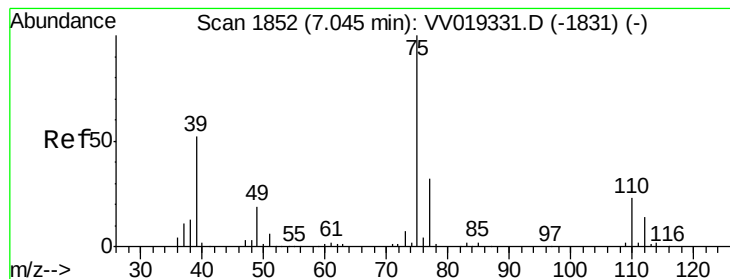
Ion 127.00 (126.70 to 127.70): VV019343.D (-1692) (-)

6.53

6.50 6.55 6.60



Time-->

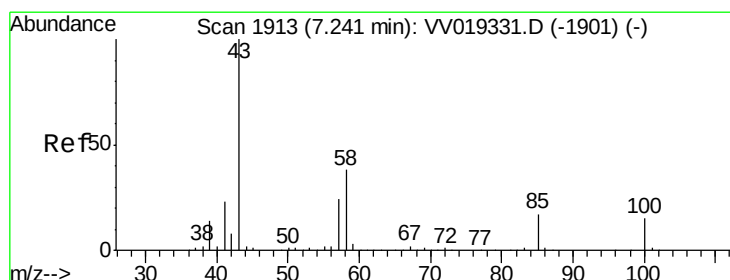
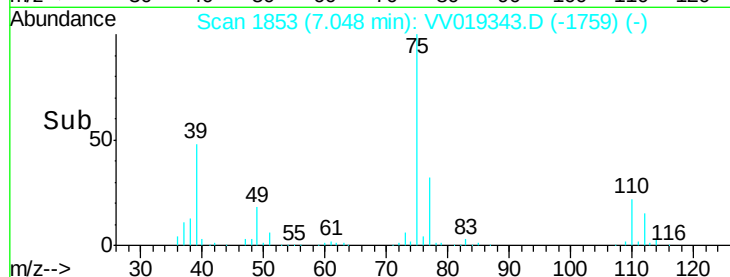
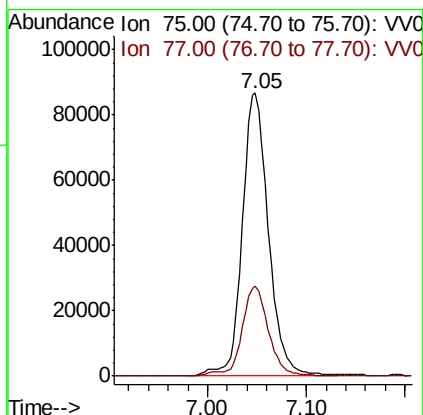
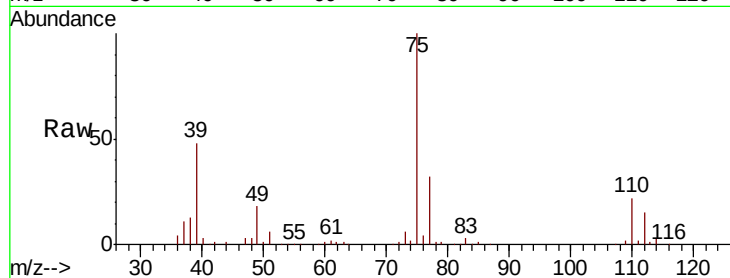


#39

cis-1,3-Dichloropropene
Concen: 53.184 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

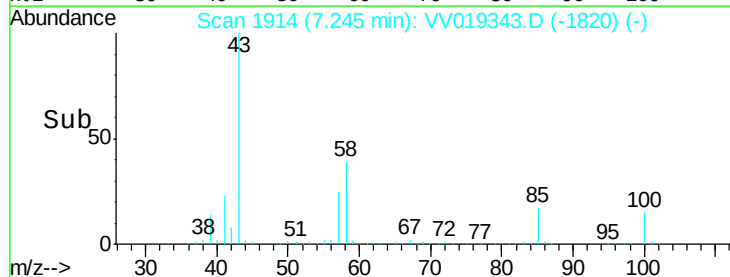
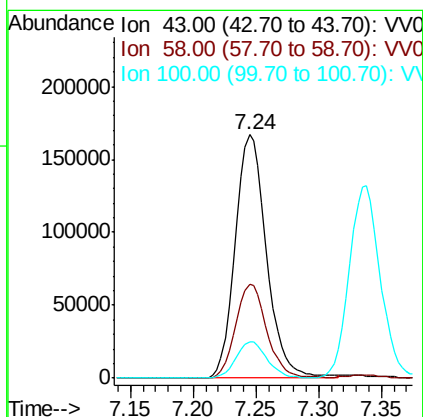
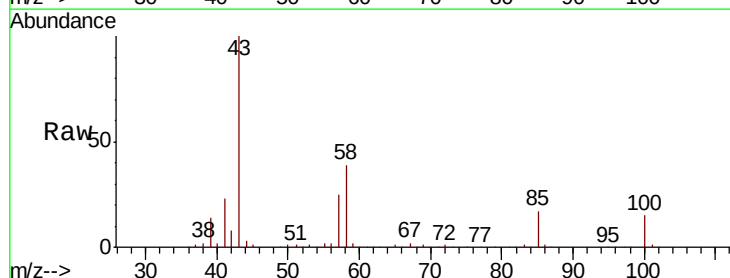
Tot Ion: 75 Resp: 159364
Ion Ratio Lower Upper
75 100
77 31.9 22.7 42.1

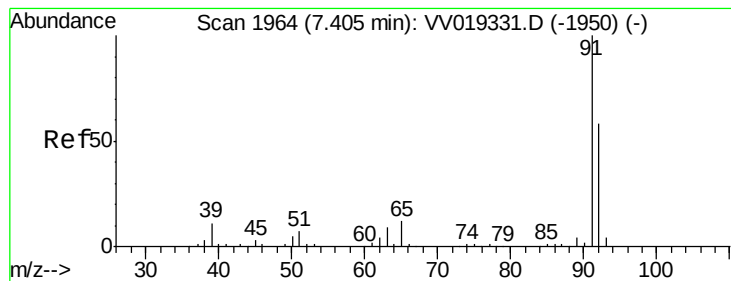


#40

4-Methyl-2-pentanone
Concen: 116.007 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Tgt Ion: 43 Resp: 290320
Ion Ratio Lower Upper
43 100
58 38.4 31.0 46.4
100 15.0 13.2 19.8





#42

Toluene

Concen: 50.988 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

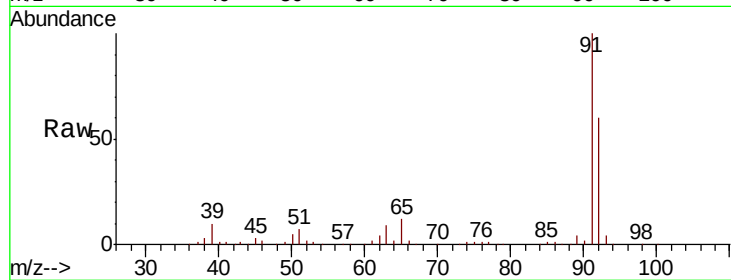
VSTD05094

Tot Ion: 91 Resp: 408321

Ion Ratio Lower Upper

91 100

92 59.7 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

150000

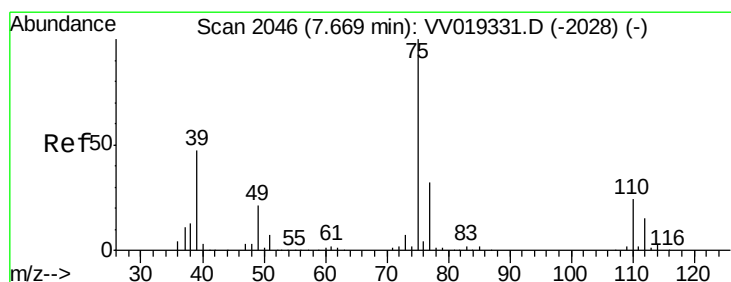
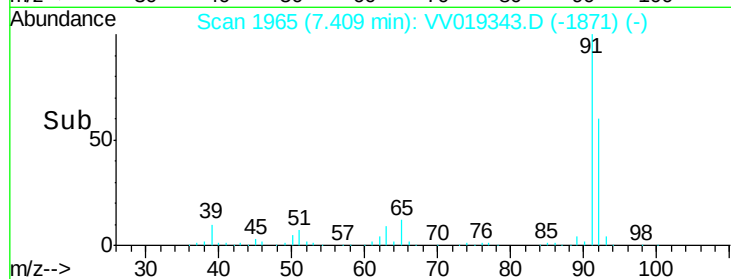
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.408 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019343.D

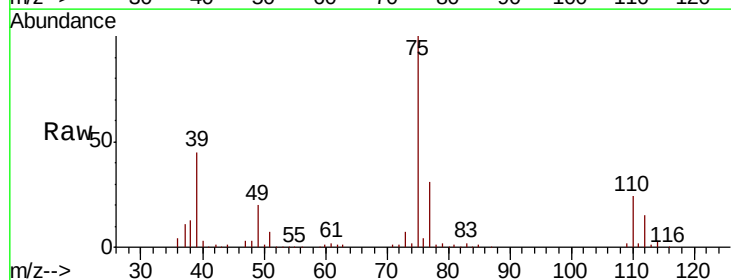
Acq: 11 Nov 2020 18:24

Tgt Ion: 75 Resp: 160245

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

60000

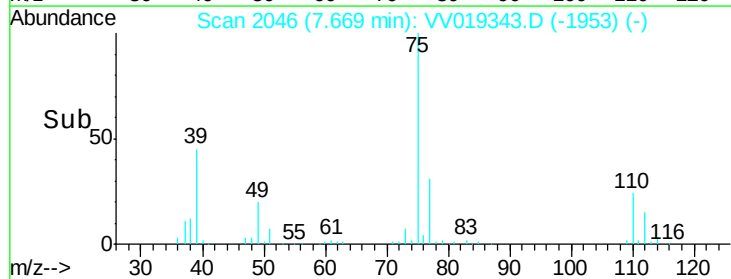
40000

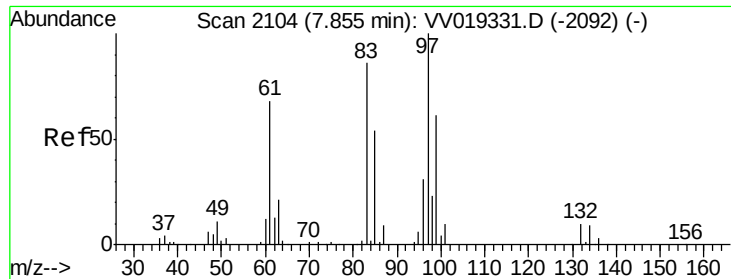
20000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 54.085 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

Tot Ion: 97 Resp: 98403

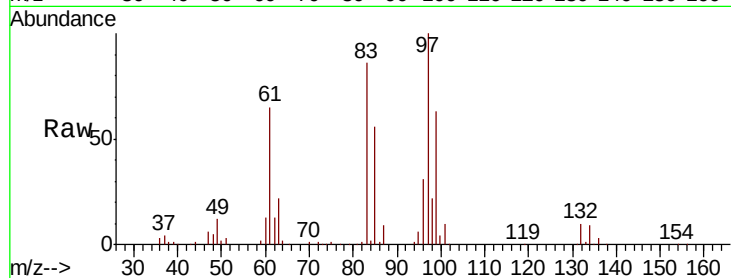
Ion Ratio Lower Upper

97 100

99 62.8 43.1 80.1

83 86.2 58.3 108.3

85 55.5 37.8 70.2

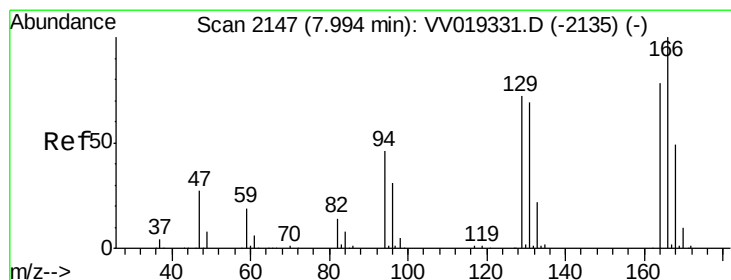
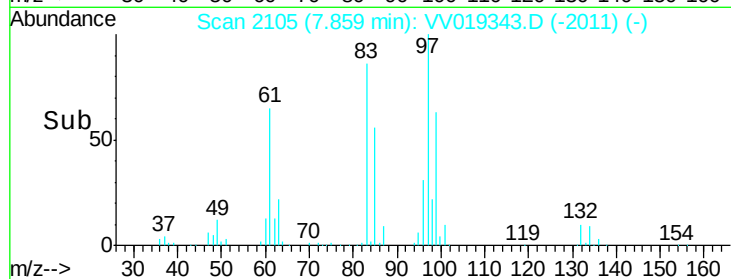
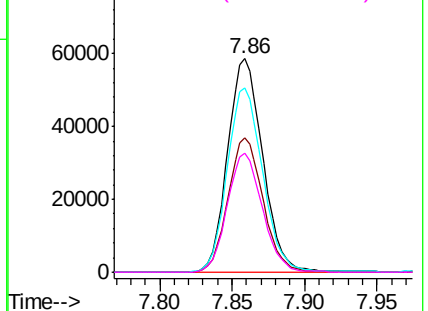


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 45.749 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Tgt Ion: 164 Resp: 78176

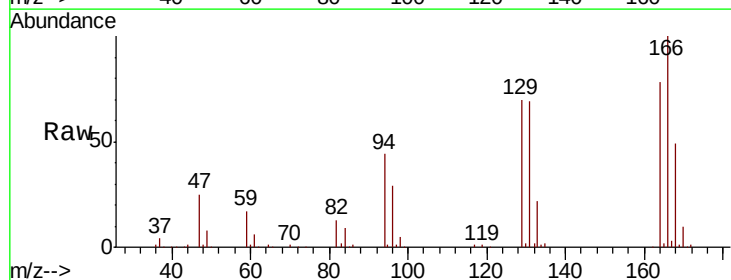
Ion Ratio Lower Upper

164 100

129 90.7 63.2 117.4

131 88.4 60.3 112.1

166 128.9 88.3 163.9

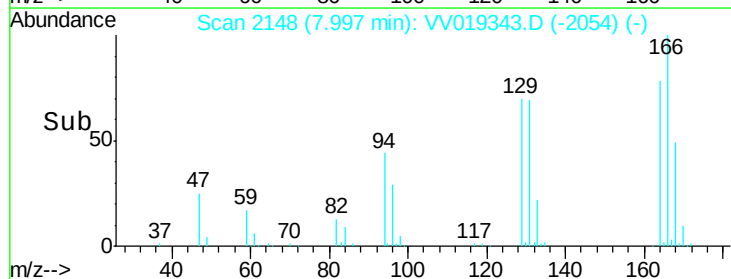
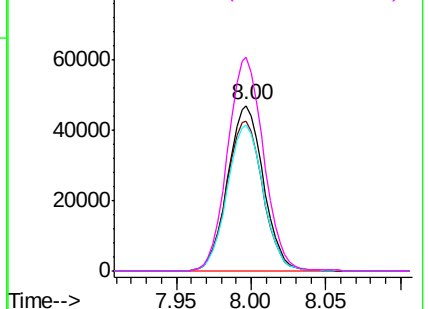


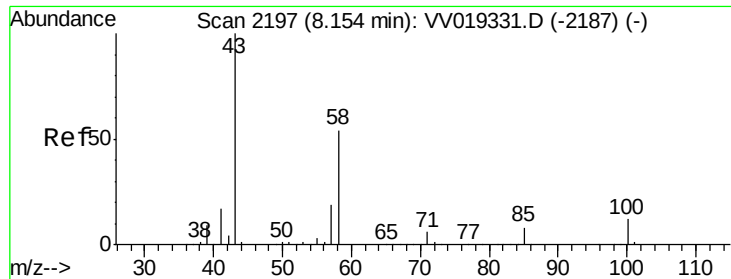
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

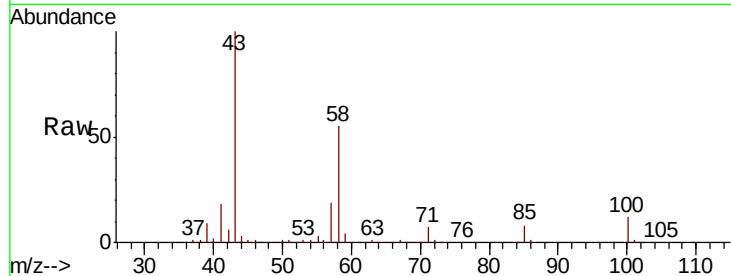




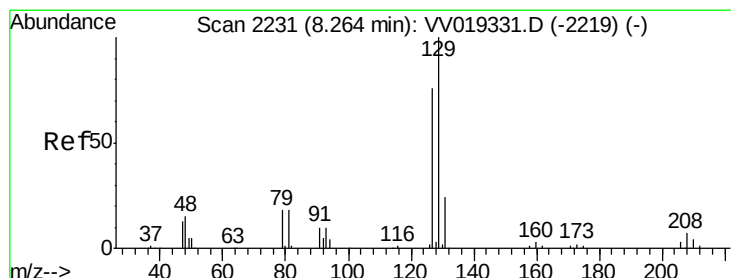
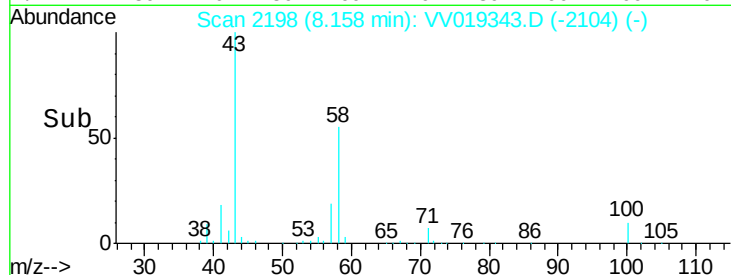
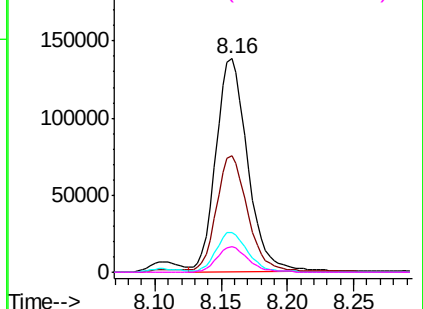
#48
2-Hexanone
Concen: 115.513 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

Tot Ion: 43 Resp: 229774
Ion Ratio Lower Upper
43 100
58 53.8 43.6 65.4
57 18.6 16.0 24.0
100 11.7 10.3 15.5

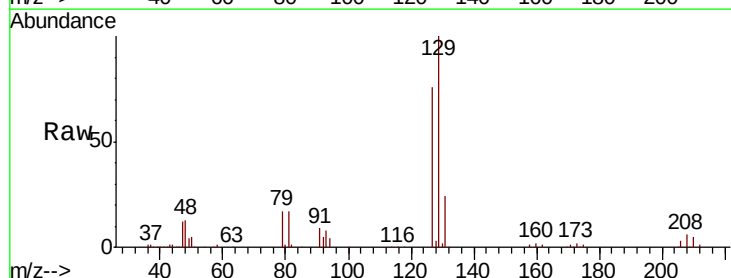


Abundance Ion 43.00 (42.70 to 43.70): VV019343.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV019343.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV019343.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV019343.D (-2198) (-)

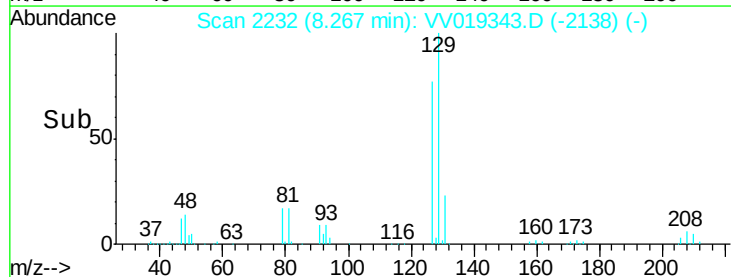
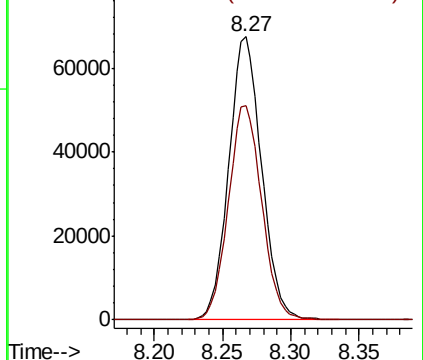


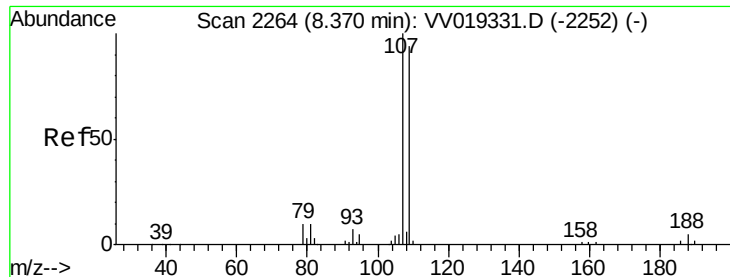
#49
Dibromochloromethane
Concen: 51.214 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Tgt Ion: 129 Resp: 112821
Ion Ratio Lower Upper
129 100
127 75.9 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019343.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV019343.D (-2232) (-)

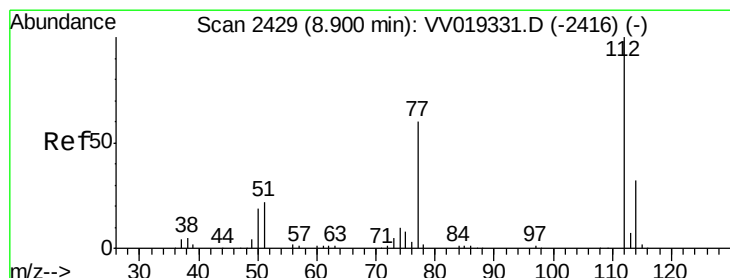
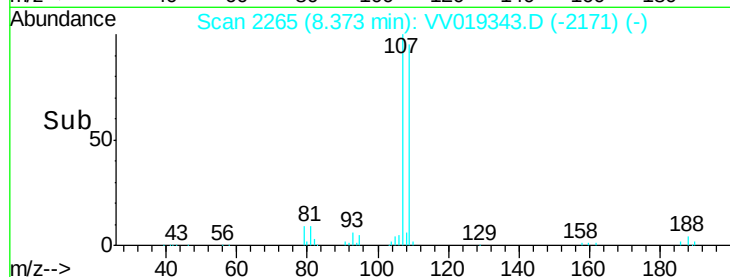
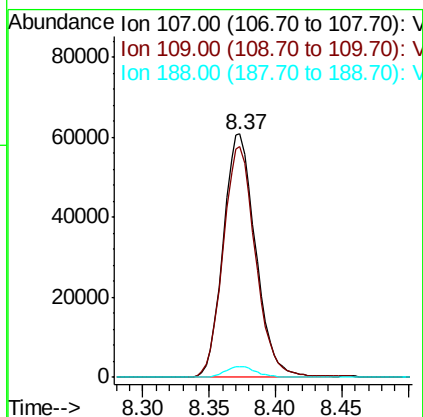
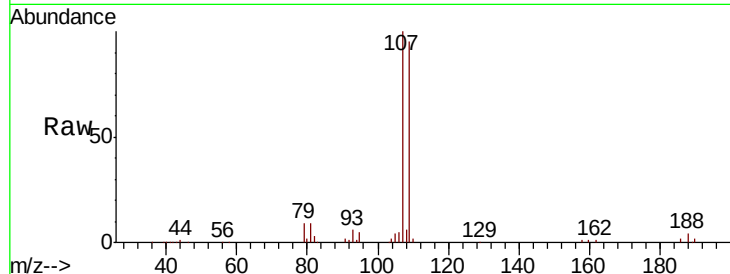




#50
1,2-Dibromoethane
Concen: 53.317 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

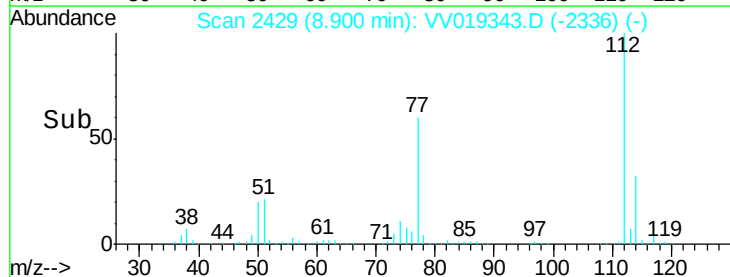
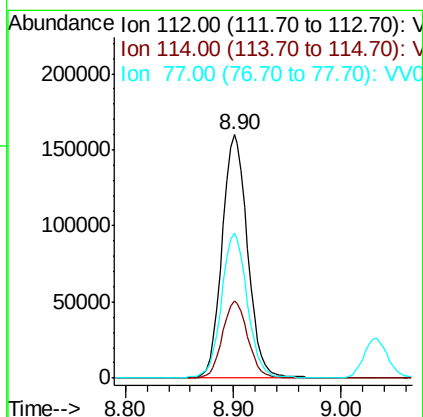
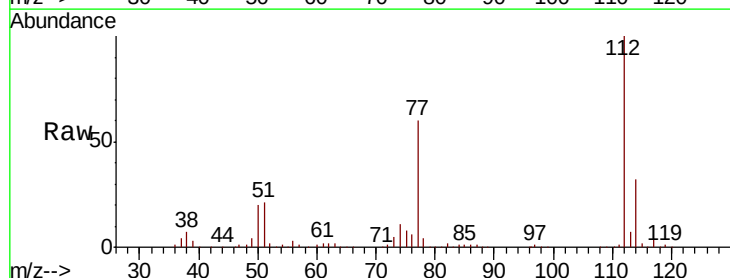
Instrument :
MSVOA_V
ClientSampleId :
VSTD05094

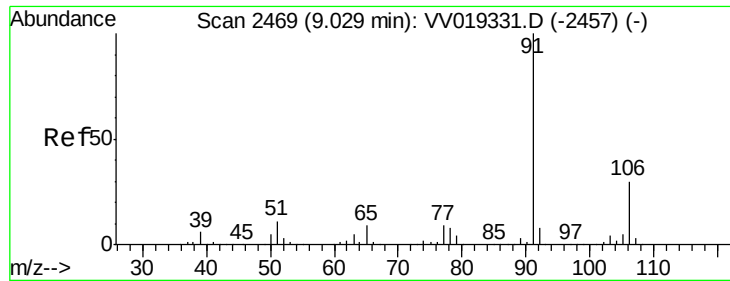
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	65.7	121.9
188	4.5	3.4	5.2



#51
Chlorobenzene
Concen: 50.135 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019343.D
Acq: 11 Nov 2020 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.3	41.5
77	59.7	46.7	70.1





#52

Ethylbenzene

Concen: 49.504 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

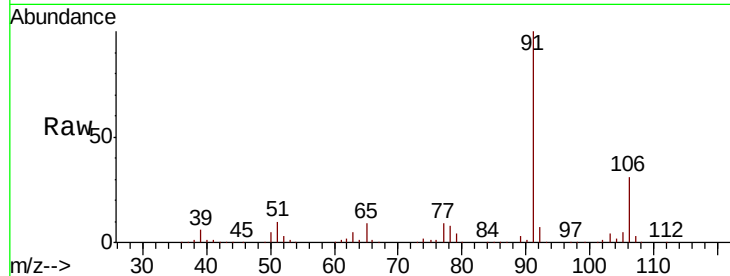
VSTD05094

Tot Ion: 91 Resp: 436829

Ion Ratio Lower Upper

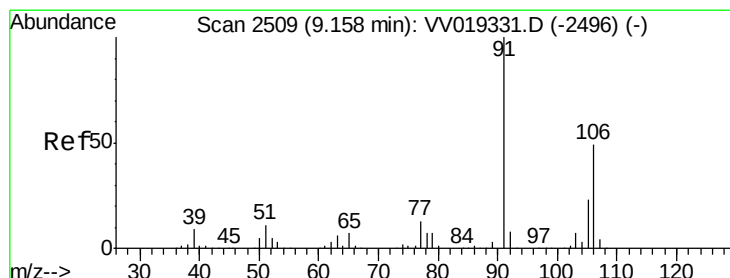
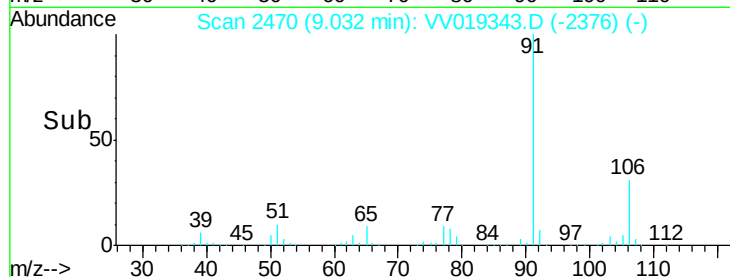
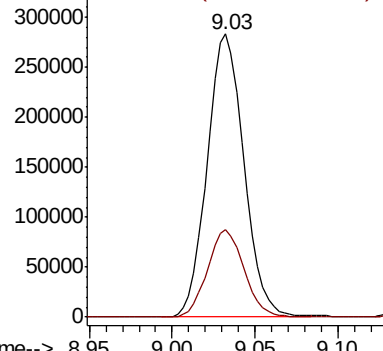
91 100

106 30.7 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.712 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019343.D

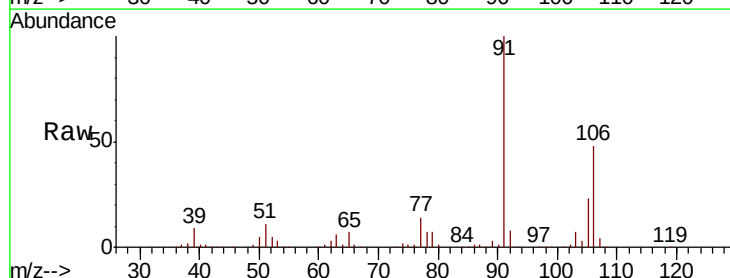
Acq: 11 Nov 2020 18:24

Tgt Ion: 106 Resp: 165686

Ion Ratio Lower Upper

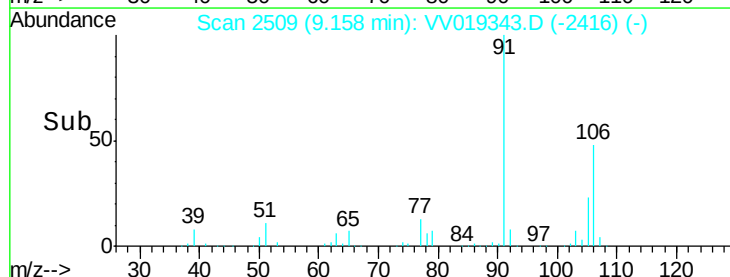
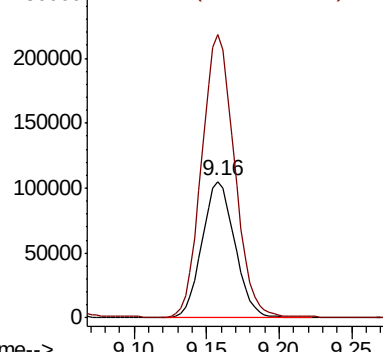
106 100

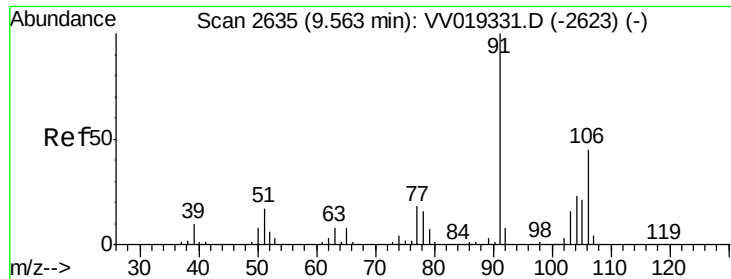
91 207.4 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 50.265 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

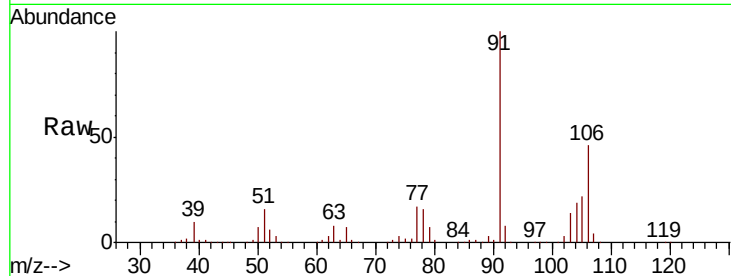
VSTD05094

Tot Ion:106 Resp: 160843

Ion Ratio Lower Upper

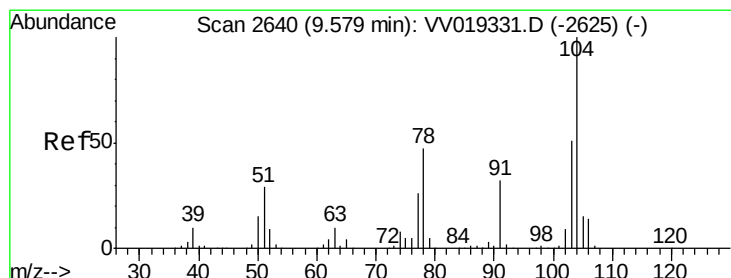
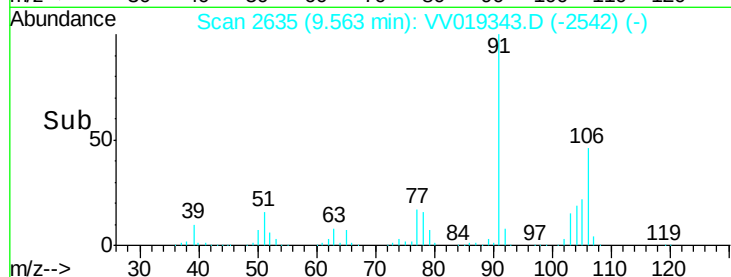
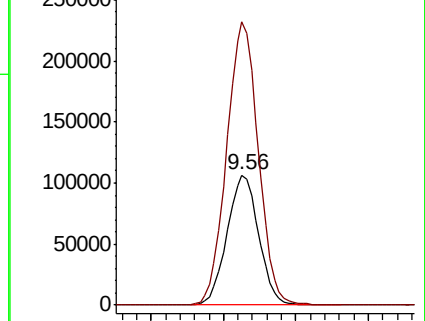
106 100

91 217.4 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.637 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019343.D

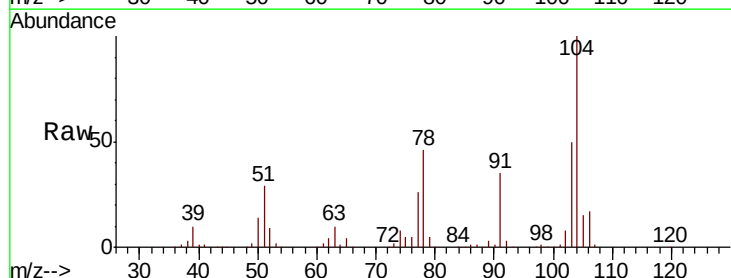
Acq: 11 Nov 2020 18:24

Tgt Ion:104 Resp: 292858

Ion Ratio Lower Upper

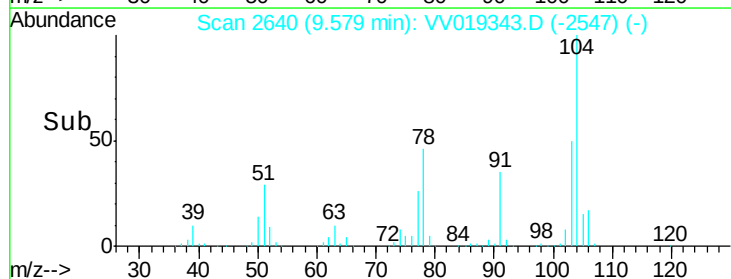
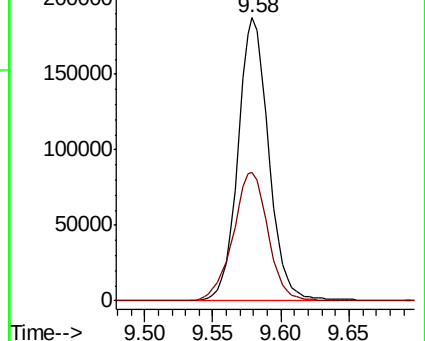
104 100

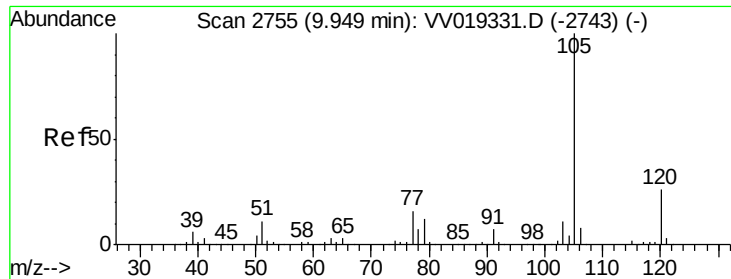
78 45.6 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.632 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

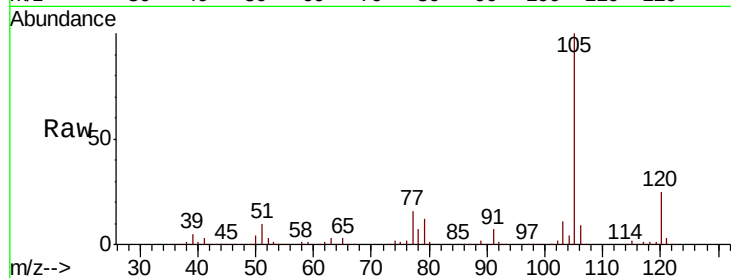
Tot Ion:105 Resp: 418215

Ion Ratio Lower Upper

105 100

120 25.6 21.3 31.9

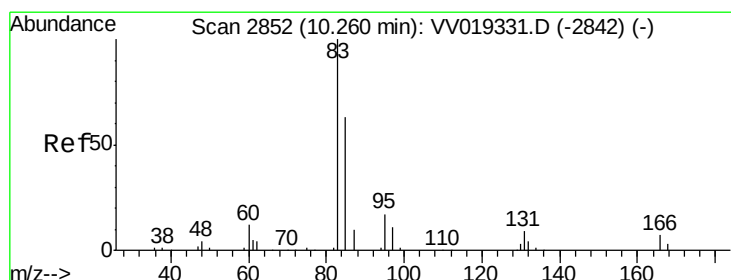
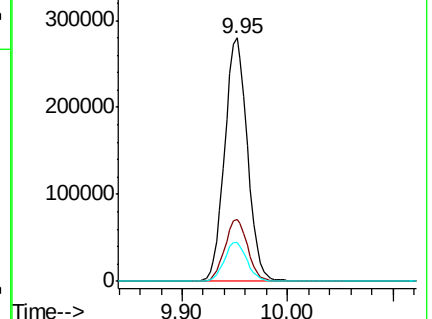
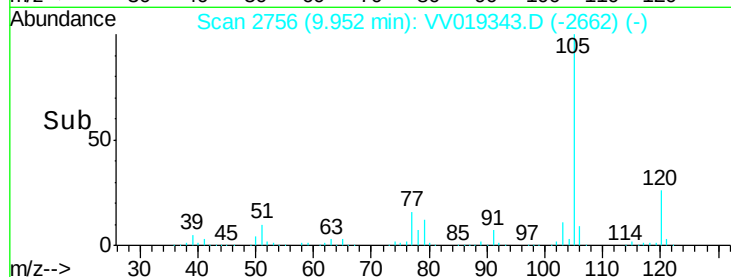
77 16.1 13.0 19.4



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: 54.900 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

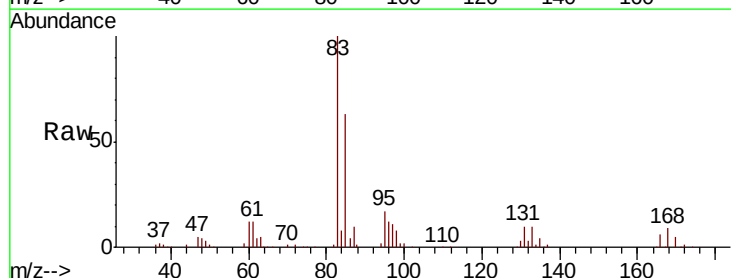
Tgt Ion: 83 Resp: 152098

Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.0

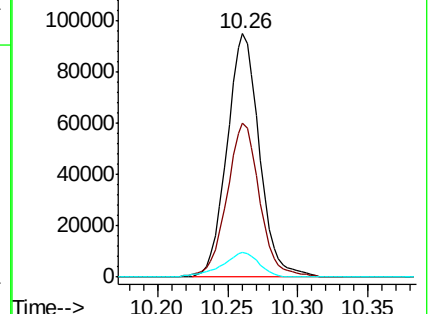
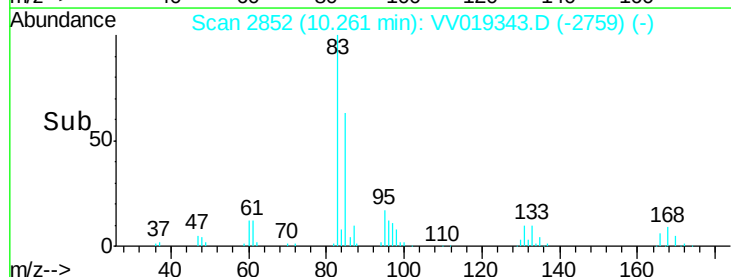
131 9.9 8.9 13.3

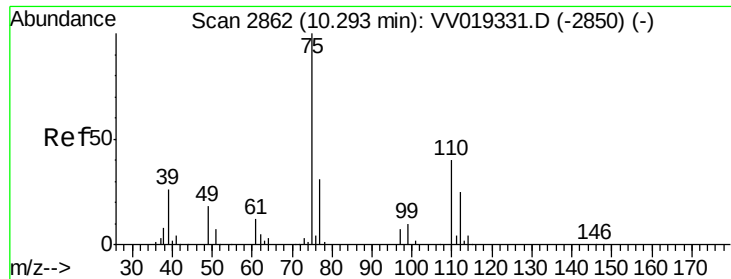


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.803 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

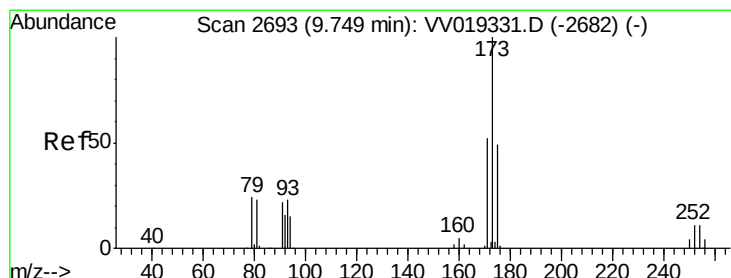
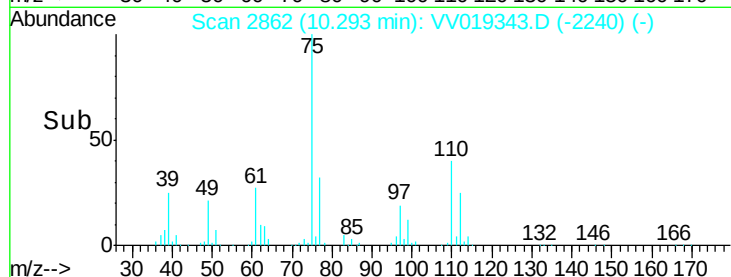
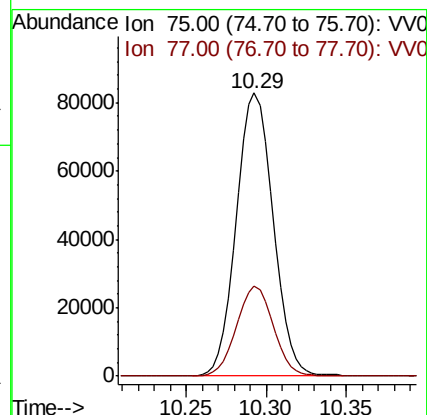
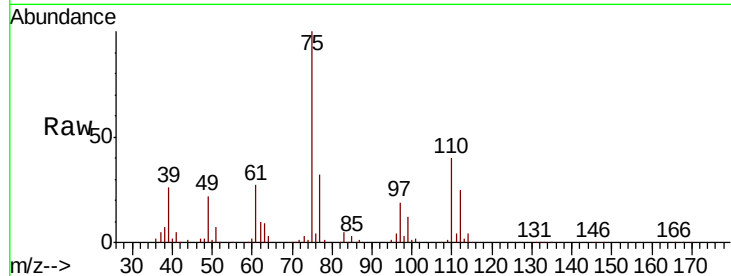
VSTD05094

Tot Ion: 75 Resp: 129969

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4



#61

Bromoform

Concen: 47.445 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

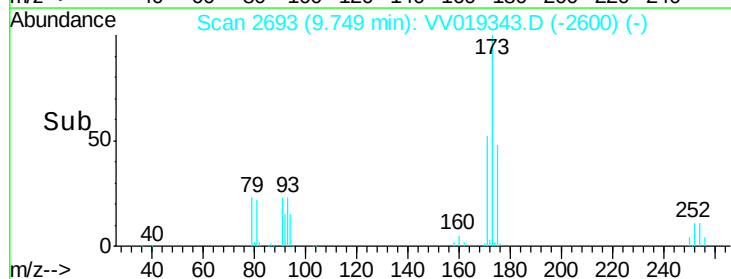
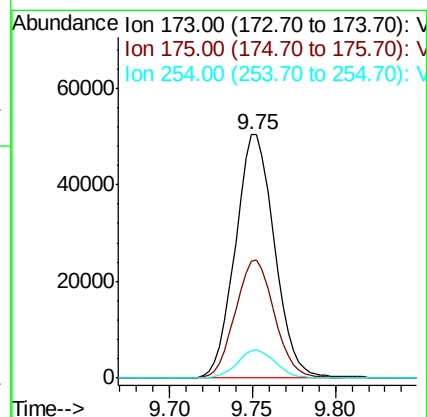
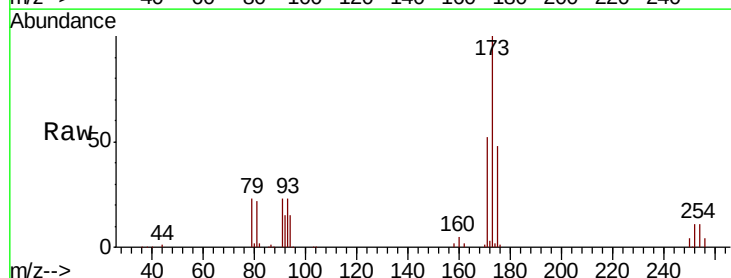
Tgt Ion: 173 Resp: 82988

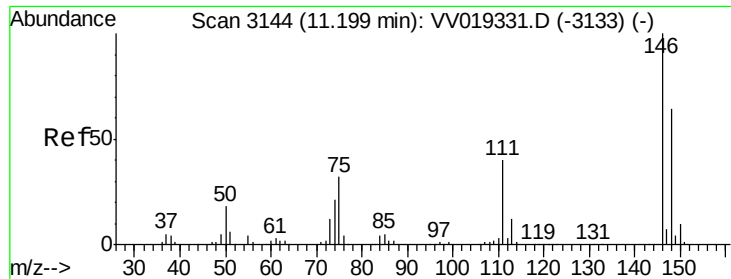
Ion Ratio Lower Upper

173 100

175 48.5 39.8 59.6

254 11.3 9.7 14.5

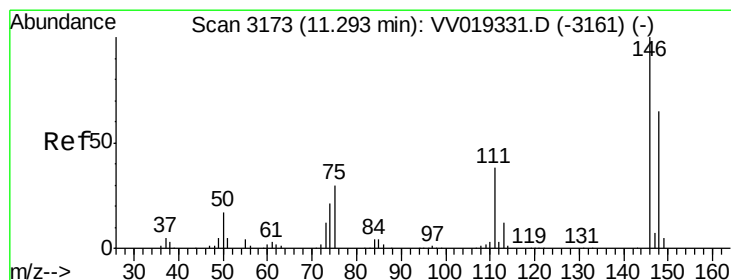
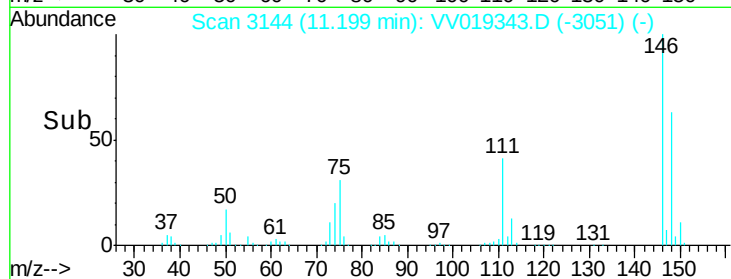
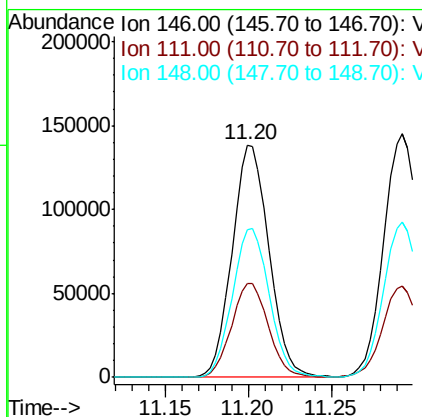
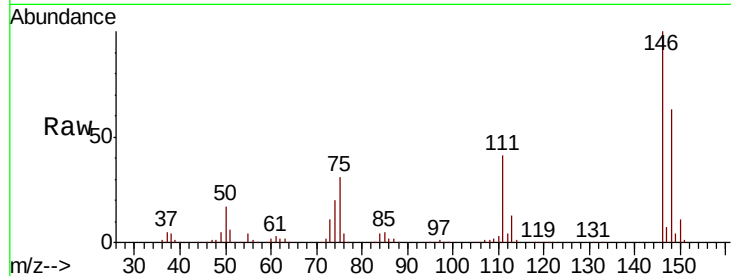




#62
 1,3-Dichlorobenzene
 Concen: 47.906 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

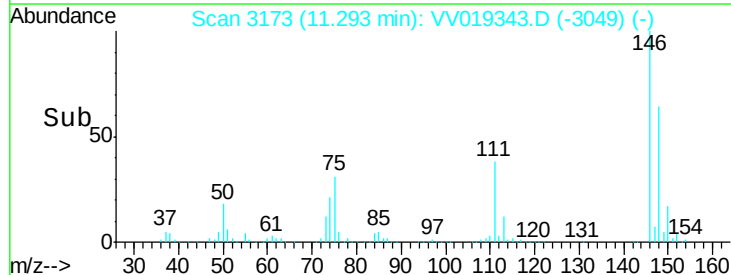
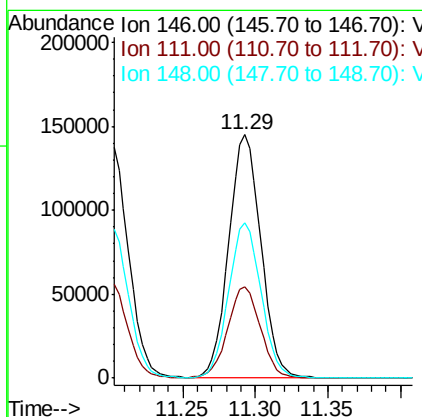
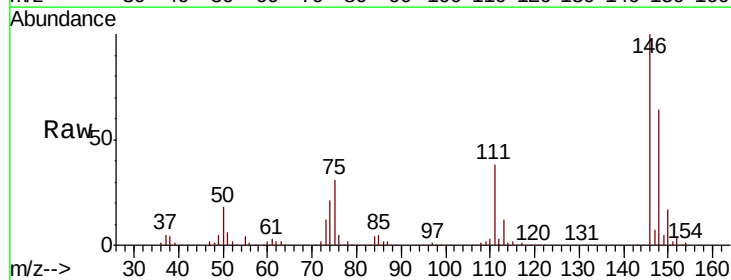
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

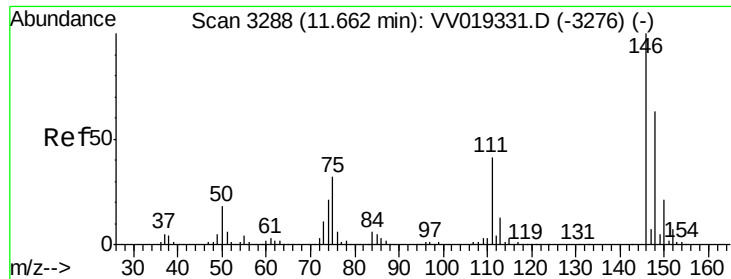
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	27.1	50.3
148	63.4	44.7	83.1



#63
 1,4-Dichlorobenzene
 Concen: 47.893 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	25.8	48.0
148	63.8	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 48.995 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

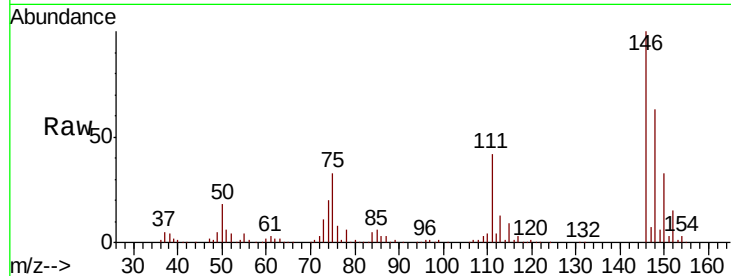
Tot Ion:146 Resp: 217082

Ion Ratio Lower Upper

146 100

111 41.8 32.2 48.4

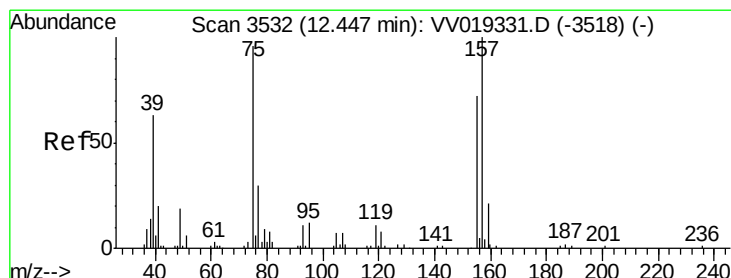
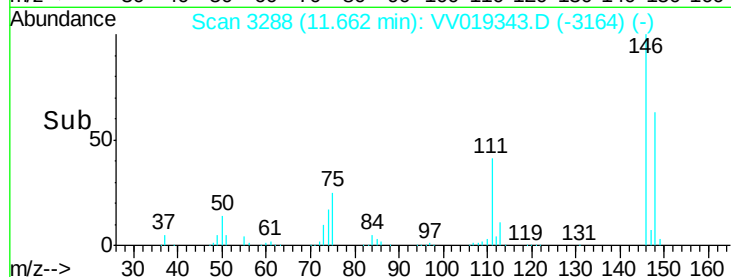
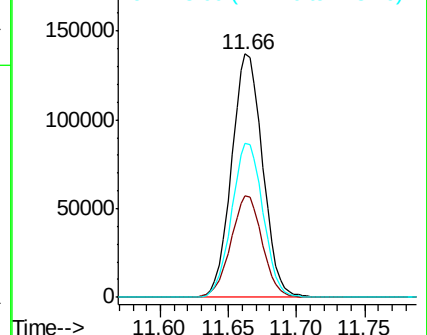
148 63.3 50.8 76.2



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: 46.125 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

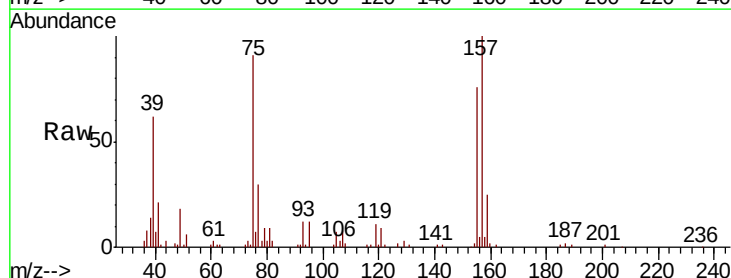
Tgt Ion: 75 Resp: 34968

Ion Ratio Lower Upper

75 100

155 83.6 71.1 106.7

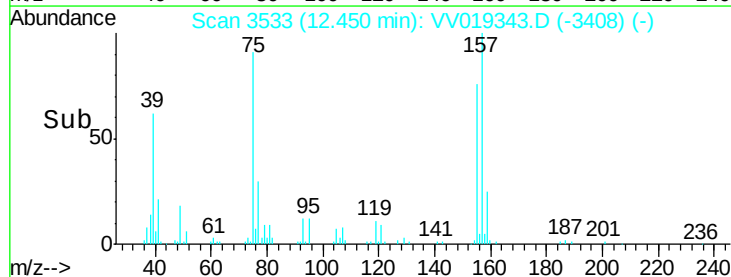
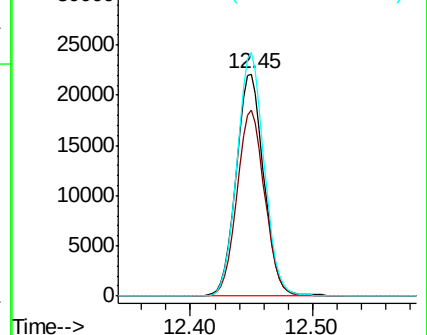
157 109.6 90.5 135.7

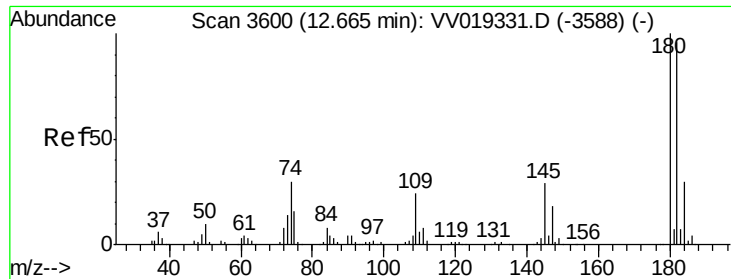


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

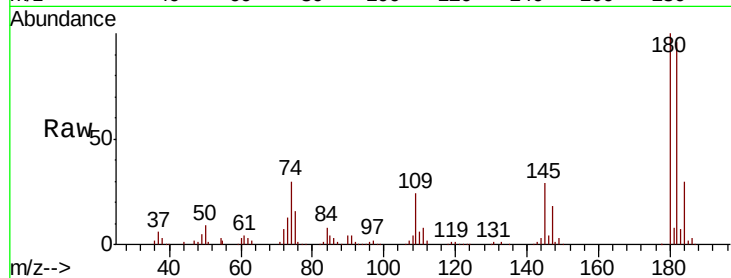




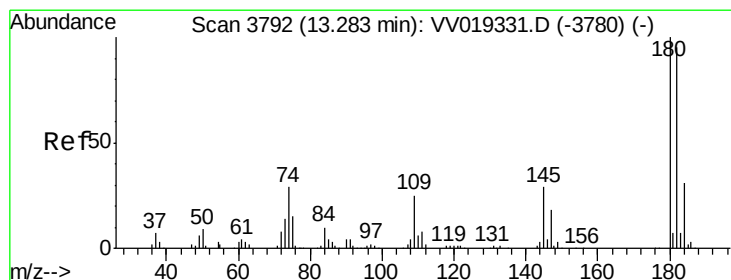
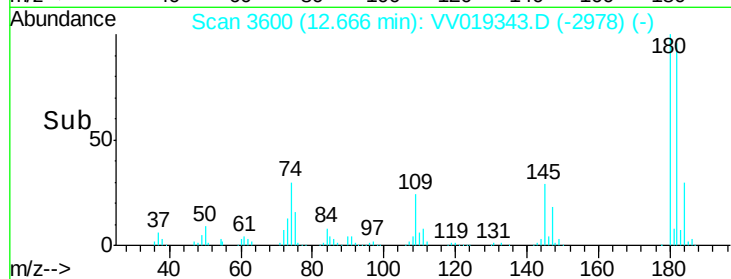
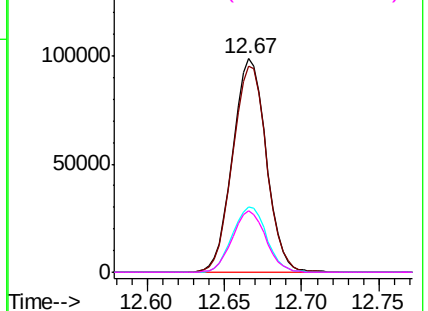
#67
 1,3,5-Trichlorobenzene
 Concen: 45.252 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Tot Ion:180 Resp: 148989
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.1 114.1
 184 30.9 24.5 36.7
 145 28.4 22.7 34.1

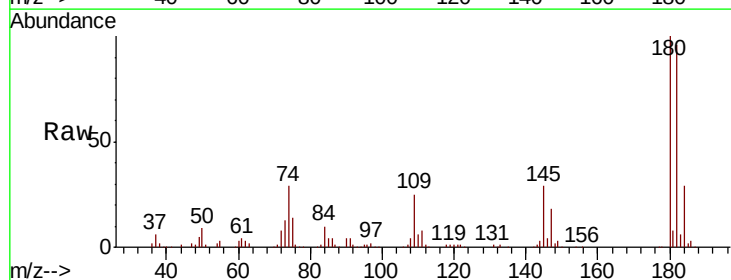


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

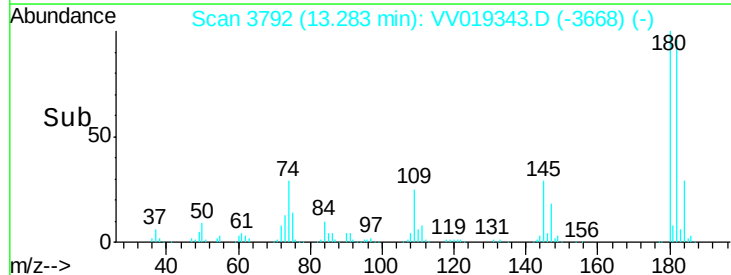
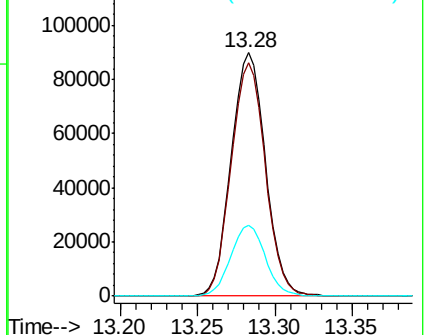


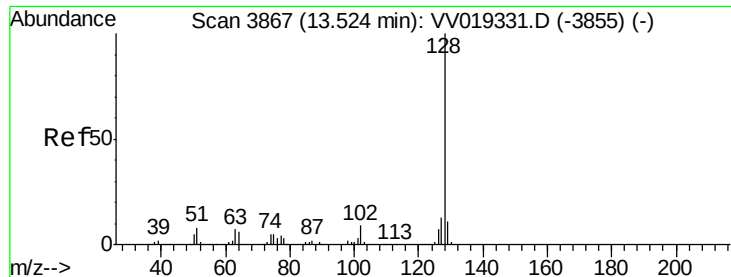
#68
 1,2,4-trichlorobenzene
 Concen: 44.793 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019343.D
 Acq: 11 Nov 2020 18:24

Tgt Ion:180 Resp: 138177
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.8 113.6
 145 29.2 22.6 34.0



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: 46.733 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05094

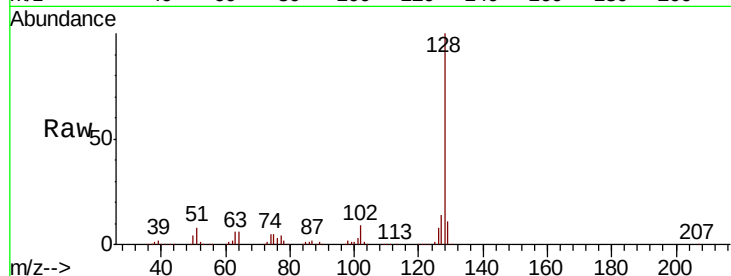
Tot Ion:128 Resp: 403781

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

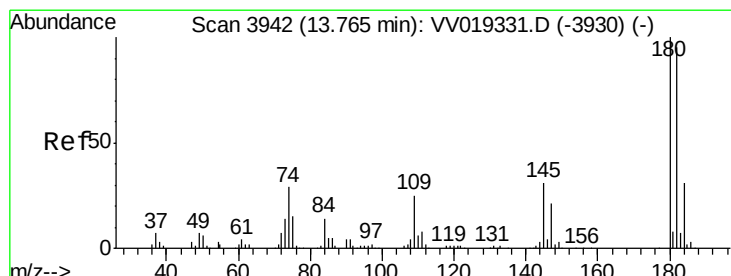
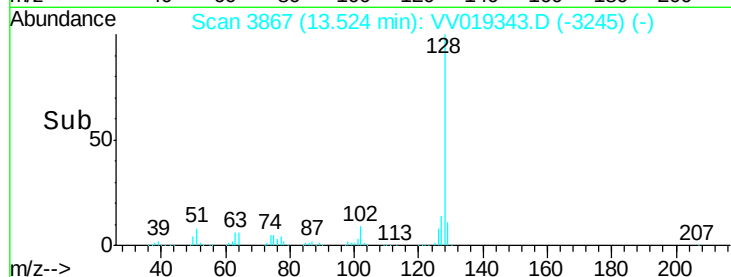
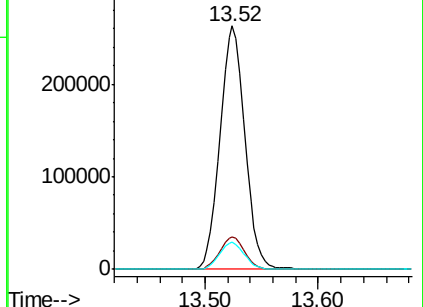
129 11.1 8.6 13.0



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: 47.981 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019343.D

Acq: 11 Nov 2020 18:24

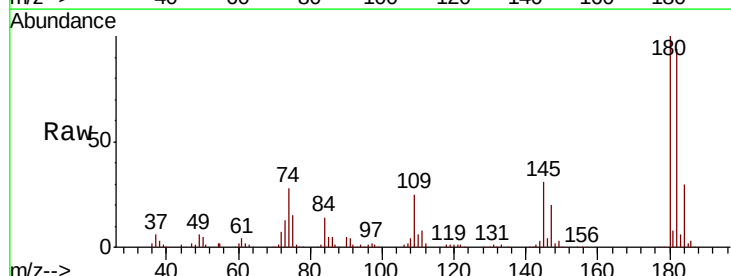
Tgt Ion:180 Resp: 144843

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

145 31.3 25.1 37.7



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

