

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018693.D
 Acq On : 06 Oct 2020 15:25
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

Quant Time: Oct 07 05:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	249782	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	241454	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	128638	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79764	51.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.94%
7) Chloroethane-d5	1.58	69	68752	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.06%
11) 1,1-Dichloroethene-d2	2.12	63	167027	51.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.80%
21) 2-Butanone-d5	3.92	46	106166	95.56	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	4.37	84	153215	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.28%
26) 1,2-Dichloroethane-d4	5.05	65	105385	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.34%
32) Benzene-d6	5.07	84	298100	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.09	67	88145	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.92%
41) Toluene-d8	7.33	98	281386	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%
43) trans-1,3-Dichloropropene-	7.64	79	47336	48.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.24%
47) 2-Hexanone-d5	8.11	63	66431	92.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.06%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	116267	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
66) 1,2-Dichlorobenzene-d4	11.65	152	111222	46.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	77577	42.082	ug/L	100
3) Chloromethane	1.25	50	86617	42.360	ug/L	99
5) Vinyl chloride	1.32	62	101752	48.631	ug/L	100
6) Bromomethane	1.53	94	69037	51.926	ug/L	99
8) Chloroethane	1.60	64	63652	47.206	ug/L	97
9) Trichlorofluoromethane	1.76	101	152989	51.422	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88752	48.659	ug/L	96
12) 1,1-Dichloroethene	2.13	96	81757	47.135	ug/L	95
13) Acetone	2.20	43	123975	88.224	ug/L	97
14) Carbon disulfide	2.31	76	267041	54.222	ug/L	99
15) Methyl Acetate	2.45	43	106848	57.615	ug/L	99
16) Methylene chloride	2.52	84	105523	53.735	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	98809	56.279	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	301466	55.244	ug/L	98
19) 1,1-Dichloroethane	3.21	63	150485	44.150	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	89262	47.152	ug/L	98
22) 2-Butanone	4.00	43	126253	90.509	ug/L	96

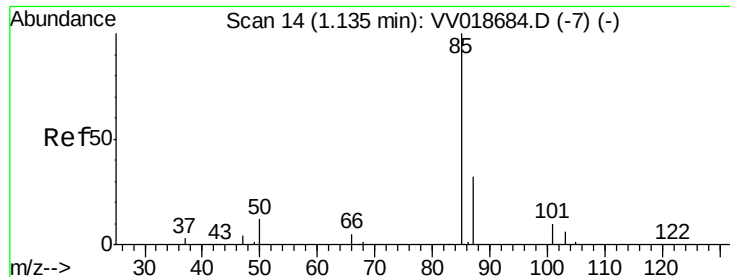
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	47507	46.861	ug/L	92
25) Chloroform	4.40	83	163189	47.355	ug/L	100
27) 1,2-Dichloroethane	5.15	62	132163	49.495	ug/L	99
29) Cyclohexane	4.70	56	128280	45.650	ug/L	96
30) 1,1,1-Trichloroethane	4.63	97	148555	50.024	ug/L	98
31) Carbon tetrachloride	4.85	117	129731	50.110	ug/L	99
33) Benzene	5.12	78	344431	47.630	ug/L	100
34) Trichloroethene	5.94	95	101829	51.222	ug/L	99
35) Methylcyclohexane	6.15	83	124621	43.176	ug/L	97
37) 1,2-Dichloropropane	6.20	63	87000	45.499	ug/L	99
38) Bromodichloromethane	6.53	83	121844	48.690	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	154397	53.825	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	264519	116.565	ug/L	97
42) Toluene	7.41	91	378540	49.896	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	141738	49.836	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	86396	47.979	ug/L	100
46) Tetrachloroethene	8.00	164	73860	47.447	ug/L	96
48) 2-Hexanone	8.16	43	192373	100.026	ug/L	97
49) Dibromochloromethane	8.27	129	99488	49.627	ug/L	98
50) 1,2-Dibromoethane	8.37	107	91915	49.031	ug/L	95
51) Chlorobenzene	8.90	112	245646	48.453	ug/L	99
52) Ethylbenzene	9.03	91	413696	49.549	ug/L	99
53) m,p-Xylene	9.16	106	158609	50.875	ug/L	98
54) o-Xylene	9.56	106	156124	51.977	ug/L	98
55) Styrene	9.58	104	279918	53.277	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	119300	45.442	ug/L	99
59) Bromoform	9.75	173	69844	48.572	ug/L #	98
60) Isopropylbenzene	9.95	105	412493	52.026	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	114974	51.506	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	346541	53.998	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	354937	53.868	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	206077	51.142	ug/L	97
65) 1,4-Dichlorobenzene	11.29	146	205911	48.759	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	197584	48.768	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	29201	51.774	ug/L	95
69) 1,3,5-Trichlorobenzene	12.67	180	134457	42.789	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	117332	41.674	ug/L	97
71) Naphthalene	13.52	128	379739	51.999	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	118267	41.796	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 42.082 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

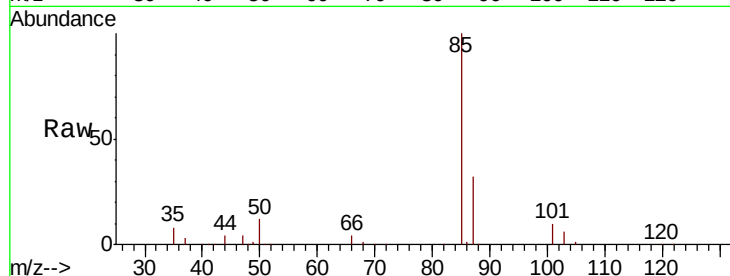
VSTD050310

Tot Ion: 85 Resp: 77577

Ion Ratio Lower Upper

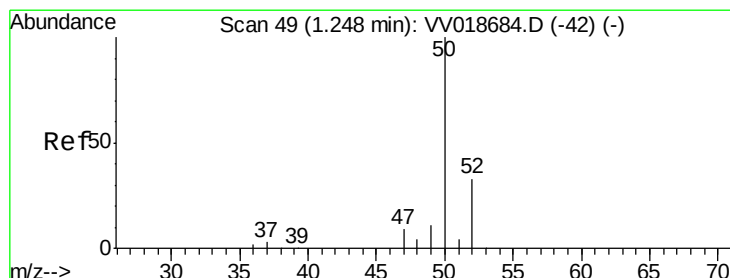
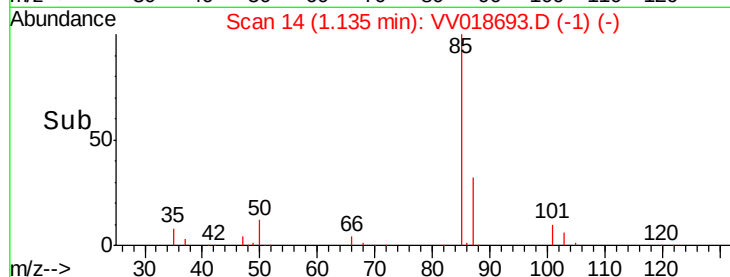
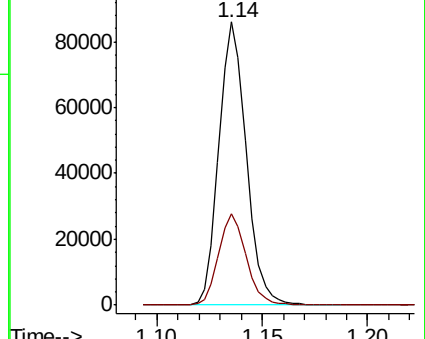
85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV018684.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018684.D (-7) (-)



#3

Chloromethane

Concen: 42.360 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018693.D

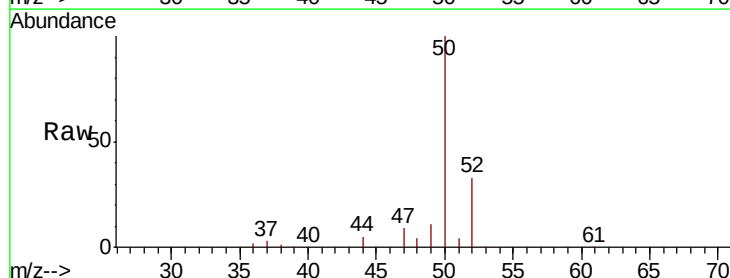
Acq: 06 Oct 2020 15:25

Tgt Ion: 50 Resp: 86617

Ion Ratio Lower Upper

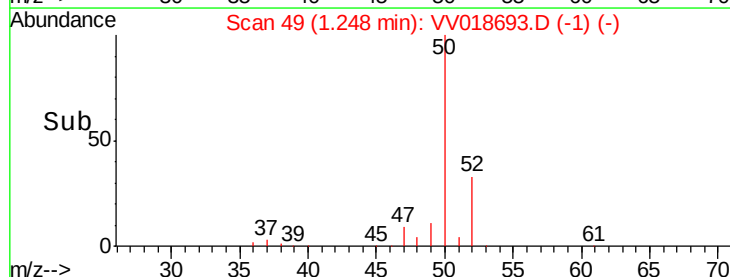
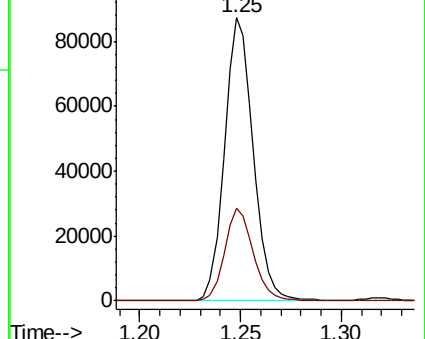
50 100

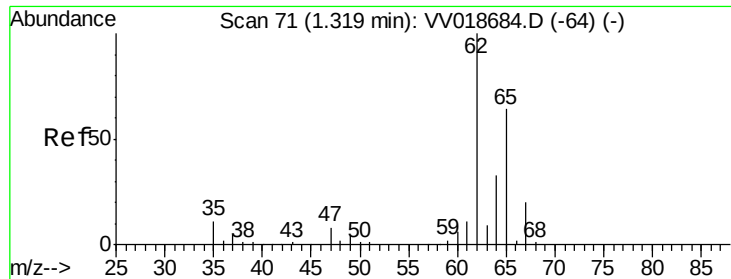
52 32.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV018684.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018684.D (-42) (-)





#5

Vinyl chloride

Concen: 48.631 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

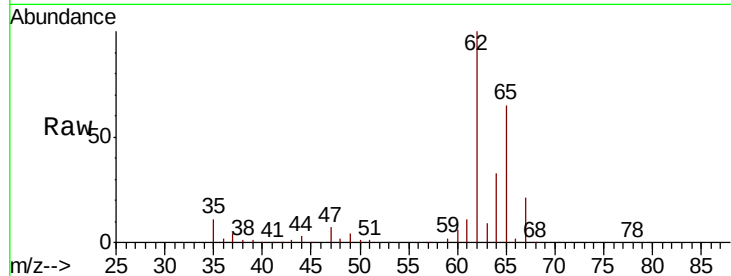
VSTD050310

Tot Ion: 62 Resp: 101752

Ion Ratio Lower Upper

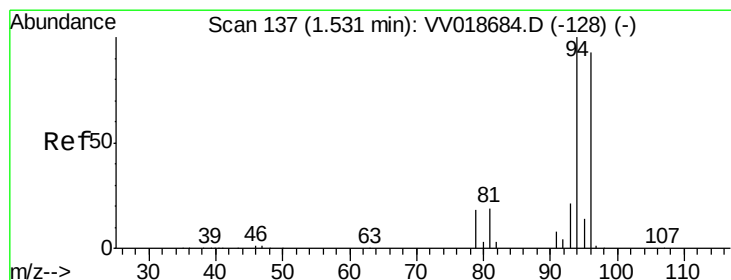
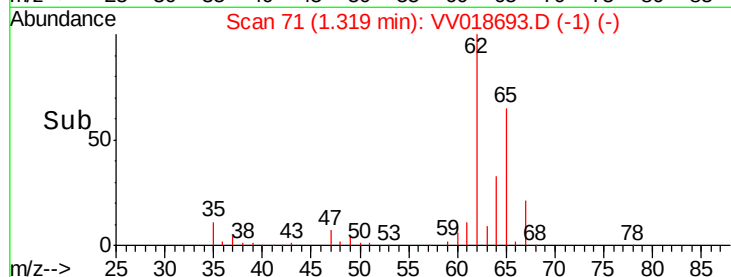
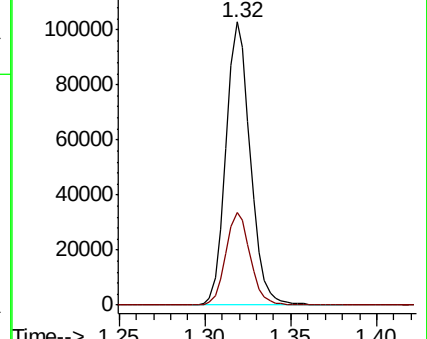
62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.926 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018693.D

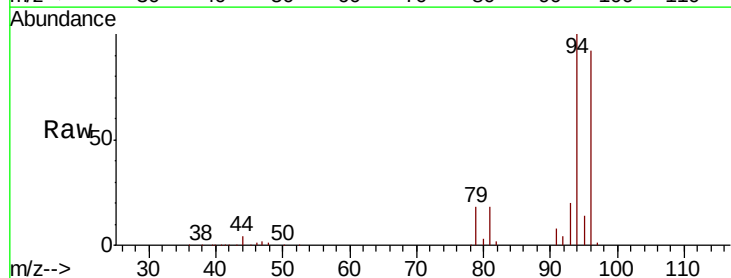
Acq: 06 Oct 2020 15:25

Tgt Ion: 94 Resp: 69037

Ion Ratio Lower Upper

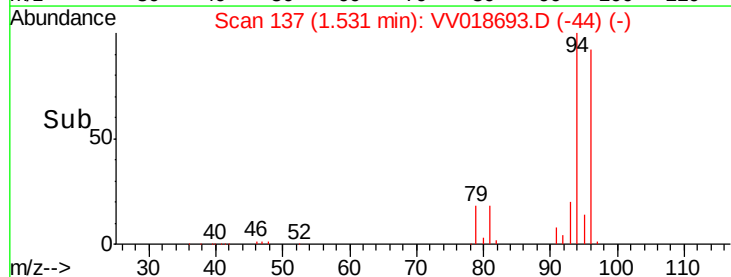
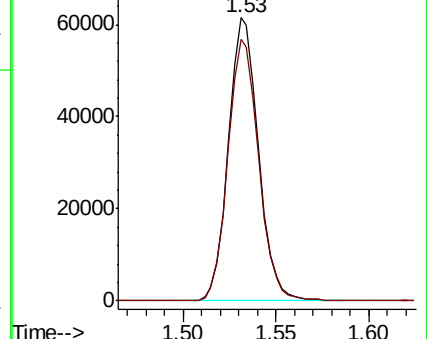
94 100

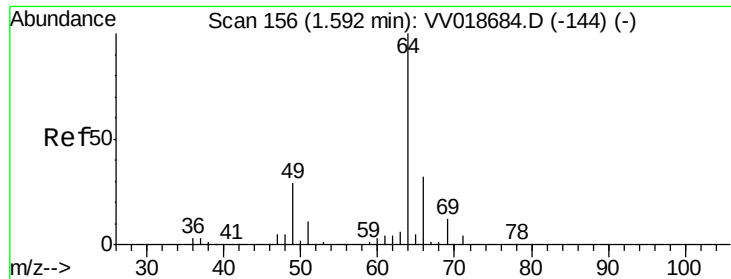
96 92.4 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.206 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

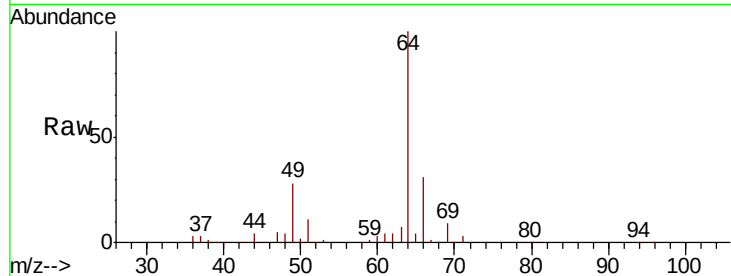
VSTD050310

Tot Ion: 64 Resp: 63652

Ion Ratio Lower Upper

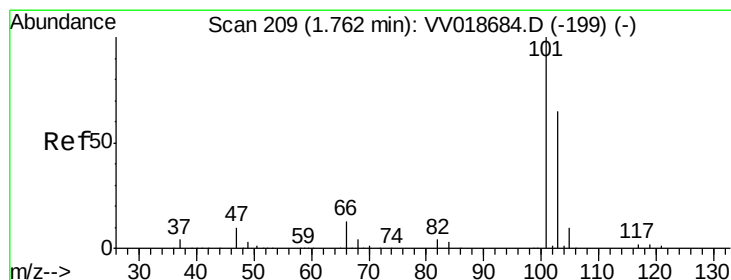
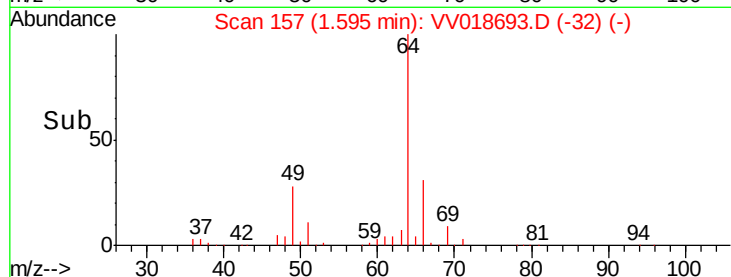
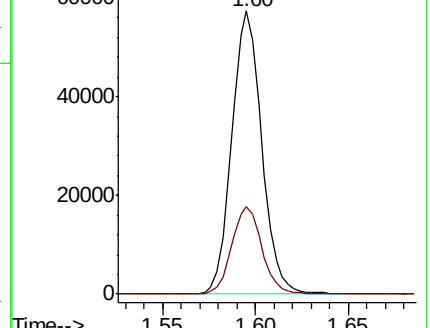
64 100

66 31.0 23.0 42.6



Abundance Ion 64.00 (63.70 to 64.70): VV018684.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV018684.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 51.422 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018693.D

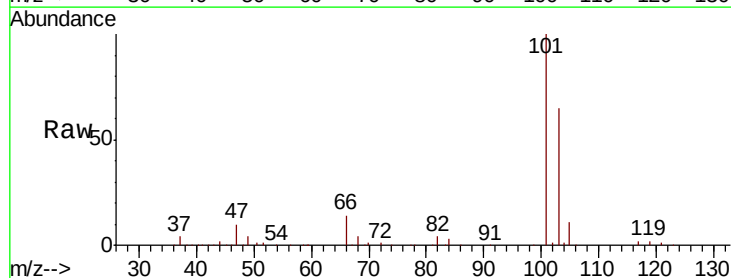
Acq: 06 Oct 2020 15:25

Tgt Ion: 101 Resp: 152989

Ion Ratio Lower Upper

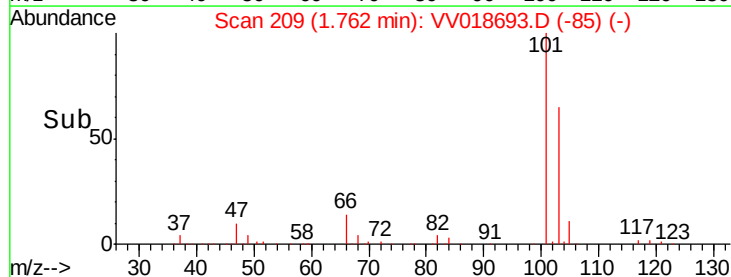
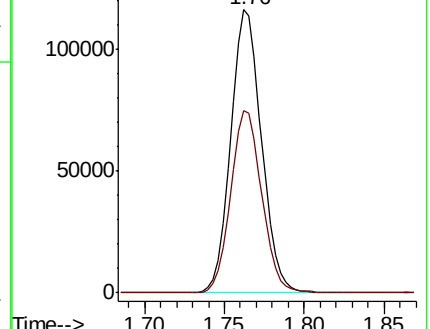
101 100

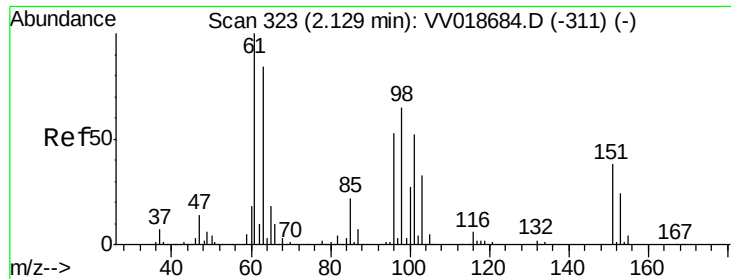
103 65.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV018684.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018684.D (-199) (-)





#10

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

Concen: 48.659 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050310

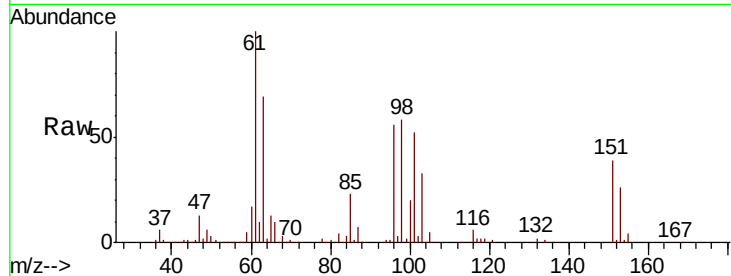
Tot Ion:101 Resp: 88752

Ion Ratio Lower Upper

101 100

85 44.9 34.6 51.8

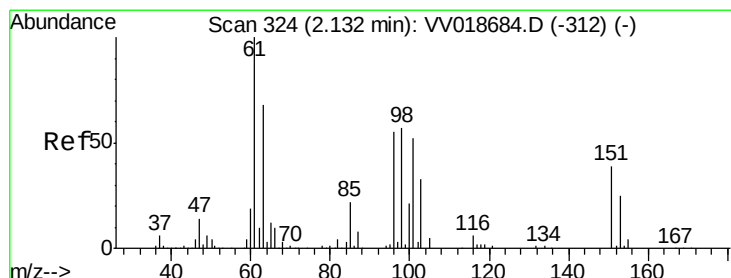
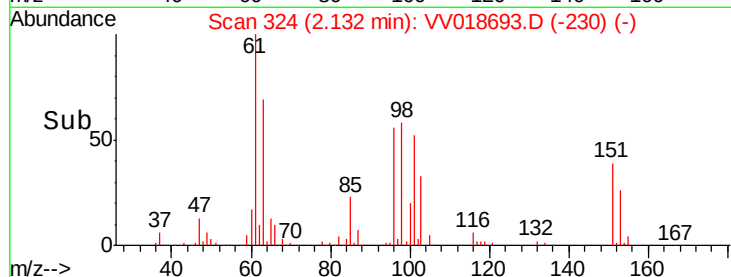
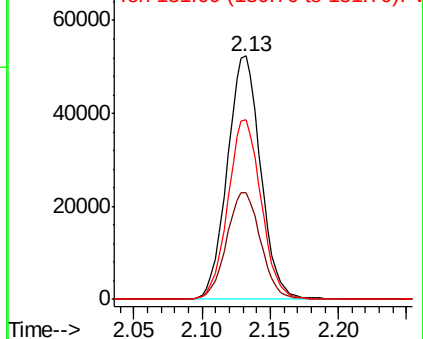
151 73.7 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): VV018693.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018693.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018693.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 47.135 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

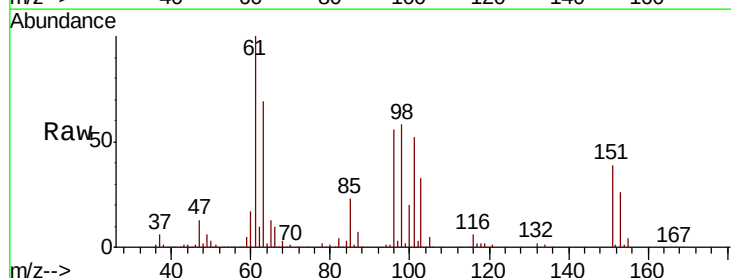
Tgt Ion: 96 Resp: 81757

Ion Ratio Lower Upper

96 100

61 177.6 121.0 224.8

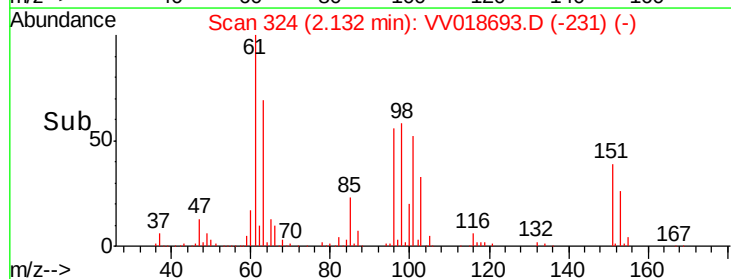
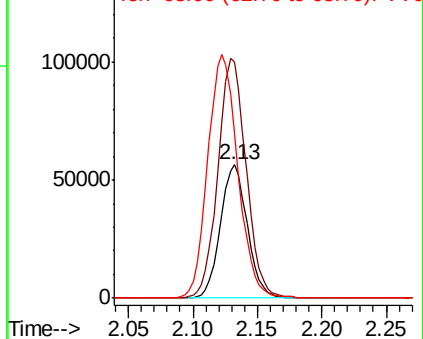
63 123.2 93.0 172.6

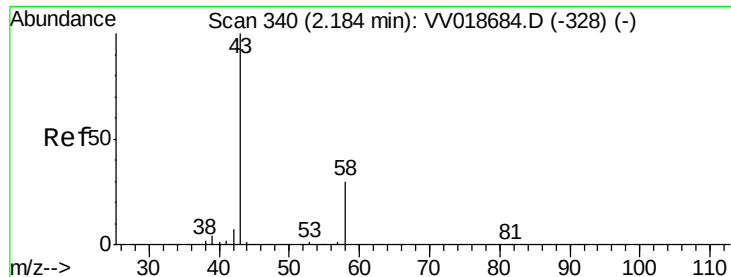


Abundance Ion 96.00 (95.70 to 96.70): VV018693.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018693.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018693.D (-231) (-)





#13

Acetone

Concen: 88.224 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

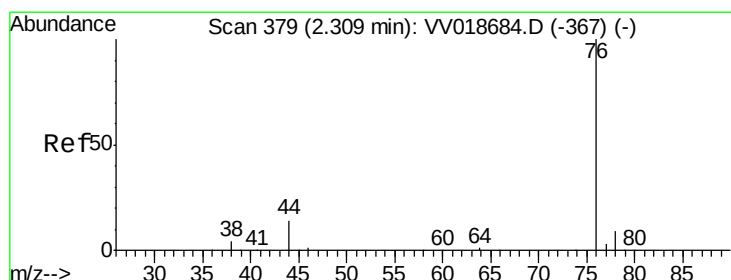
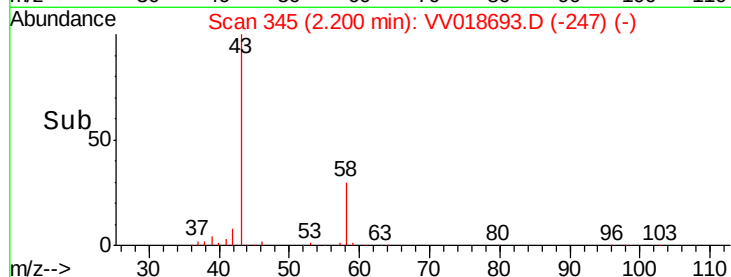
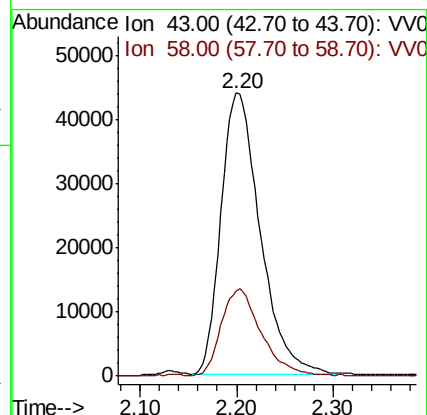
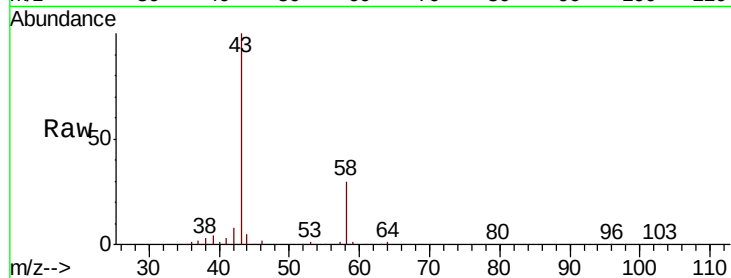
VSTD050310

Tot Ion: 43 Resp: 123975

Ion Ratio Lower Upper

43 100

58 31.0 0.0 65.8



#14

Carbon disulfide

Concen: 54.222 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018693.D

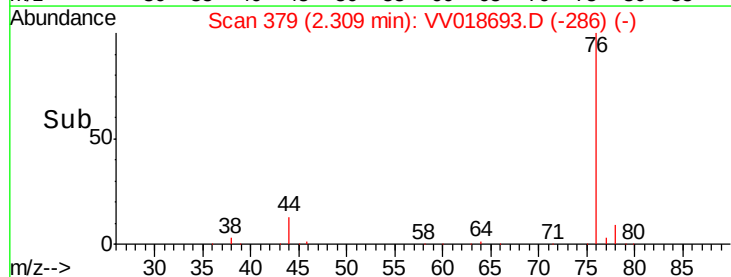
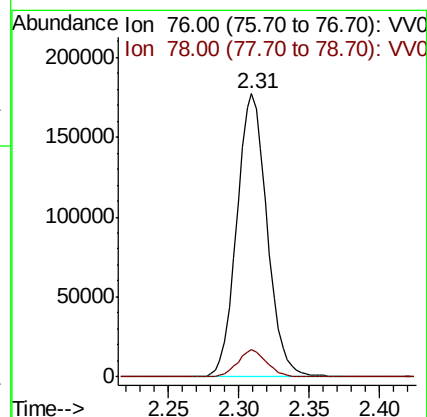
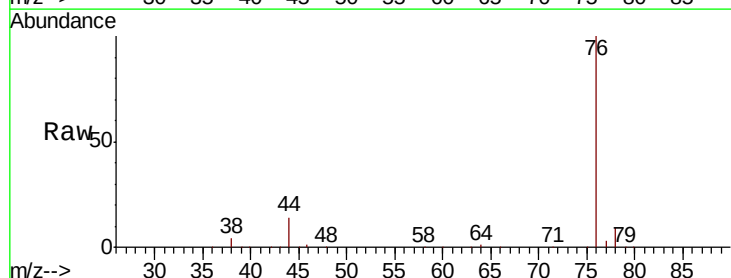
Acq: 06 Oct 2020 15:25

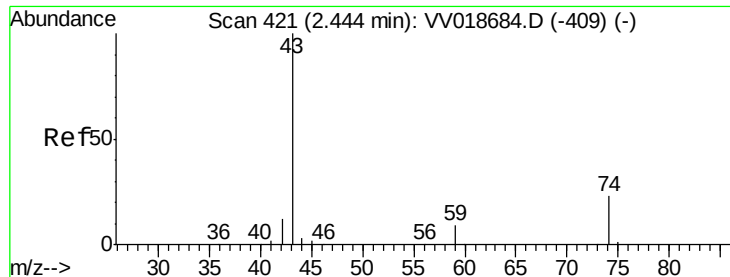
Tgt Ion: 76 Resp: 267041

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8





#15

Methyl Acetate

Concen: 57.615 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

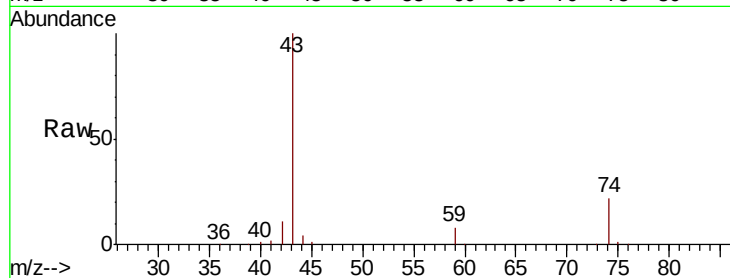
VSTD050310

Tot Ion: 43 Resp: 106848

Ion Ratio Lower Upper

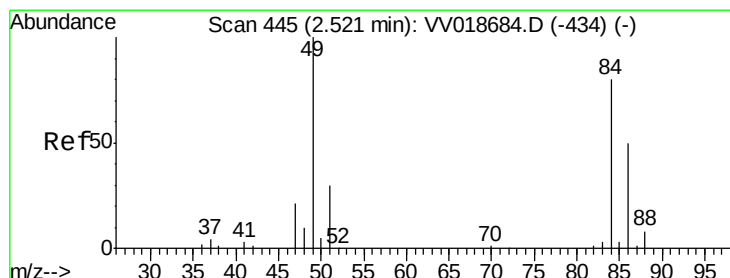
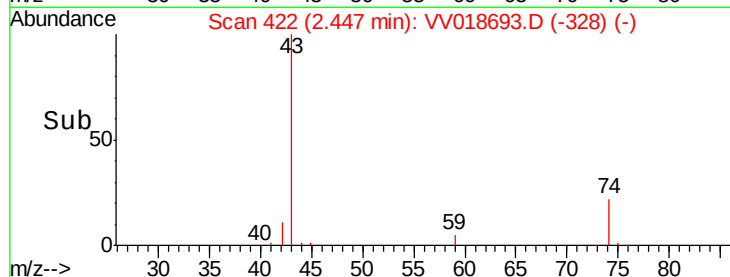
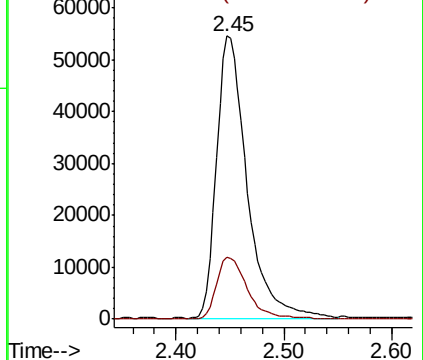
43 100

74 22.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 53.735 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

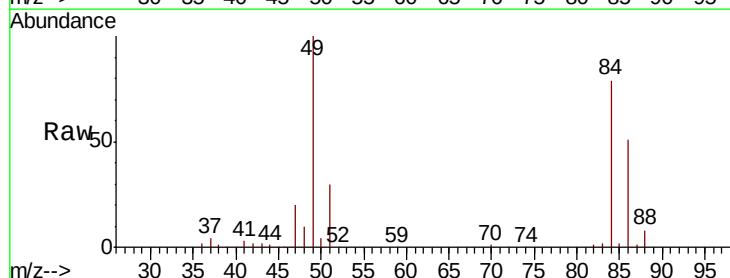
Tgt Ion: 84 Resp: 105523

Ion Ratio Lower Upper

84 100

86 65.0 46.0 85.4

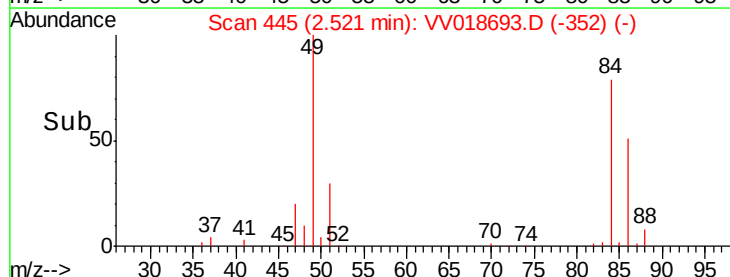
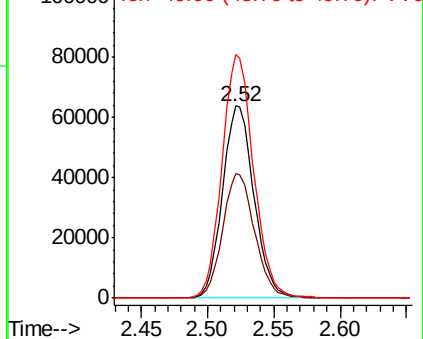
49 126.6 87.5 162.5

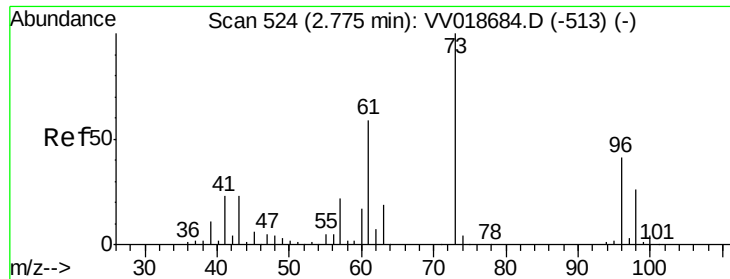


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

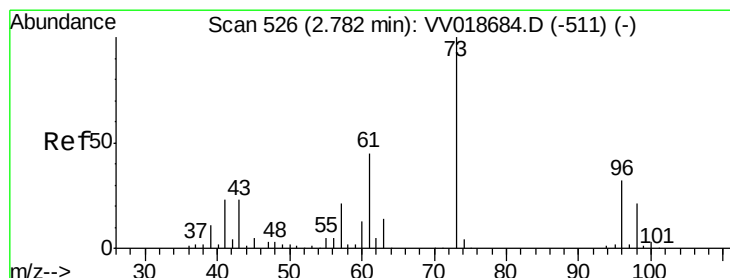
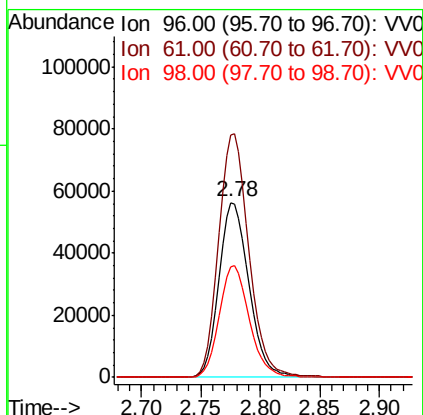
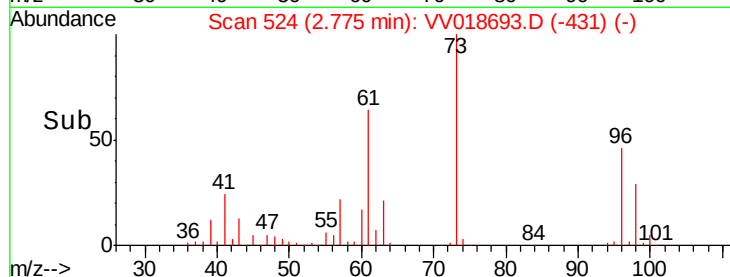
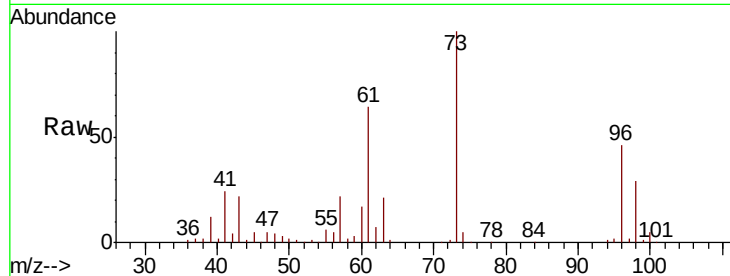




#17
trans-1,2-Dichloroethene
Concen: 56.279 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

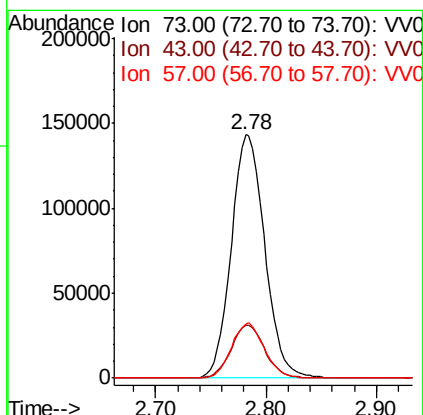
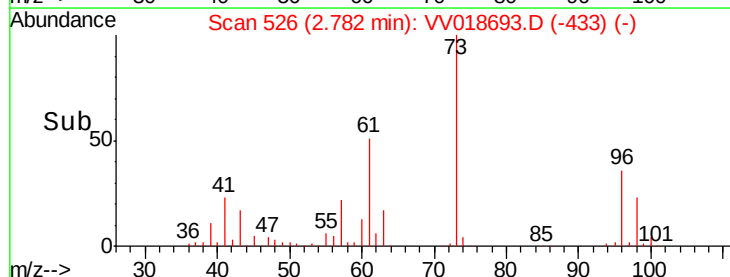
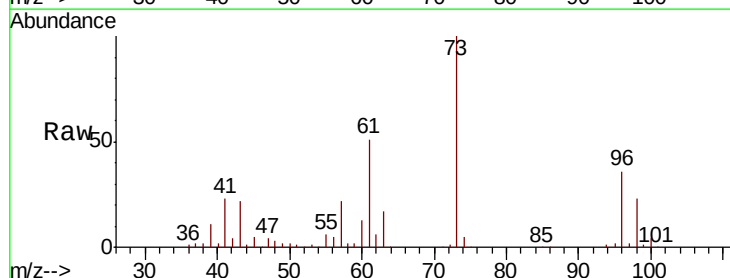
Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

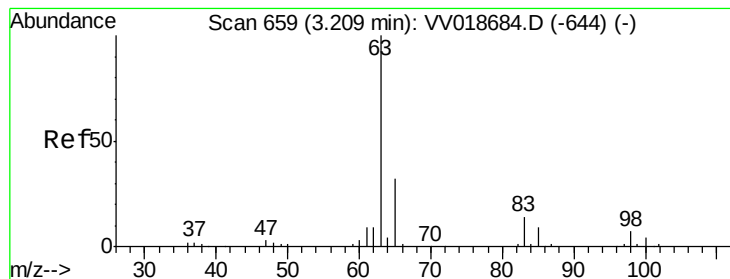
Tot Ion: 96 Resp: 98809
Ion Ratio Lower Upper
96 100
61 138.4 98.3 182.5
98 63.1 43.5 80.7



#18
Methyl tert-butyl Ether
Concen: 55.244 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Tgt Ion: 73 Resp: 301466
Ion Ratio Lower Upper
73 100
43 21.6 15.4 23.2
57 22.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 44.150 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050310

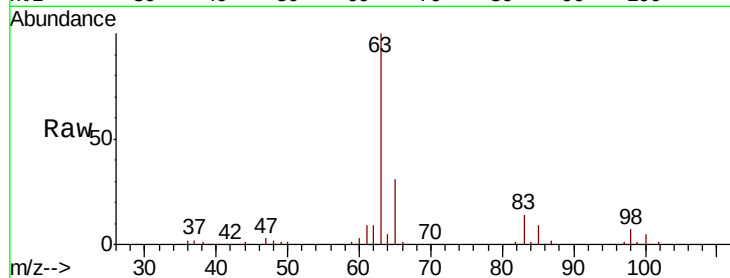
Tot Ion: 63 Resp: 150485

Ion Ratio Lower Upper

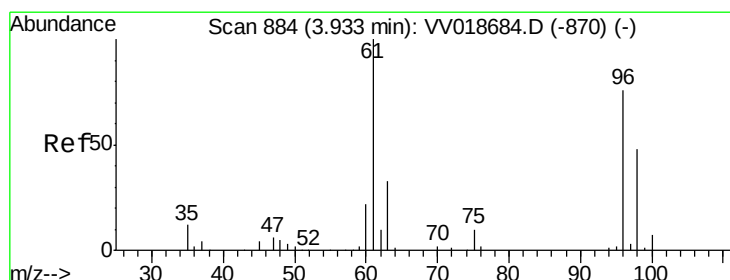
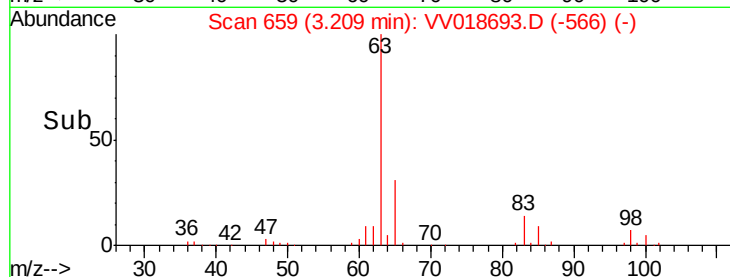
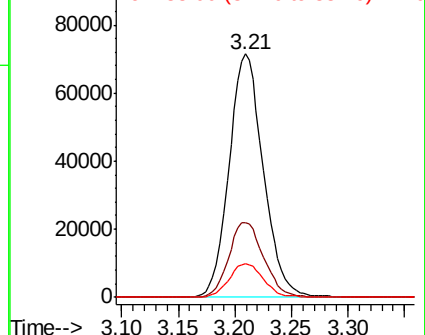
63 100

65 30.8 21.8 40.6

83 13.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.152 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

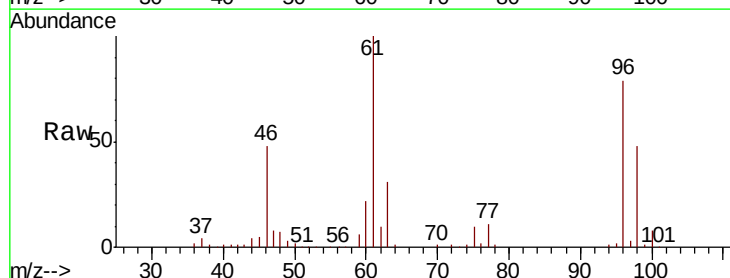
Tgt Ion: 96 Resp: 89262

Ion Ratio Lower Upper

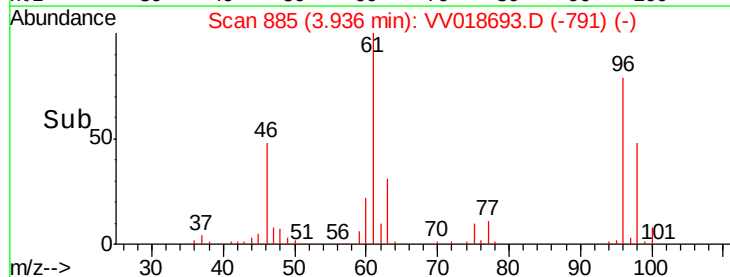
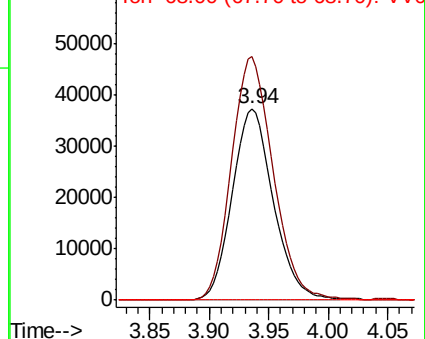
96 100

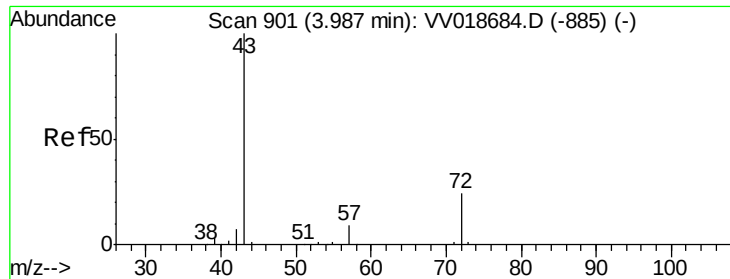
61 127.0 90.4 167.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 90.509 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

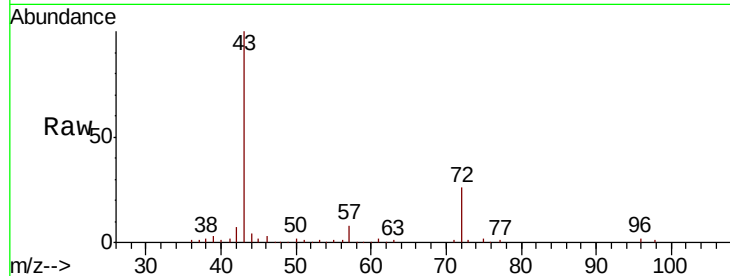
VSTD050310

Tot Ion: 43 Resp: 126253

Ion Ratio Lower Upper

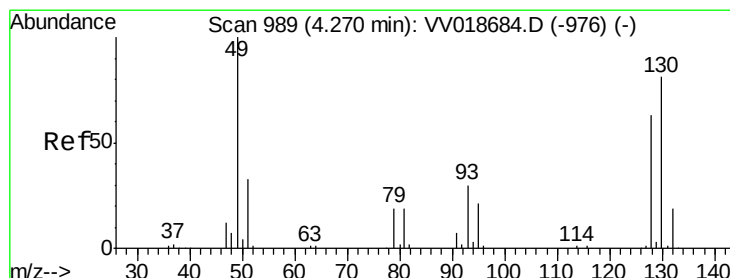
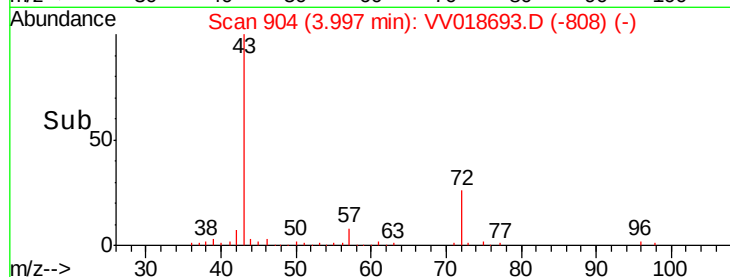
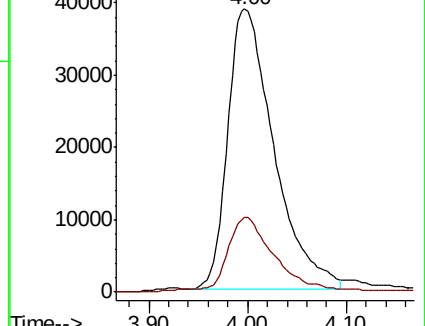
43 100

72 23.7 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV018684.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018684.D (-885) (-)



#23

Bromochloromethane

Concen: 46.861 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Tgt Ion: 128 Resp: 47507

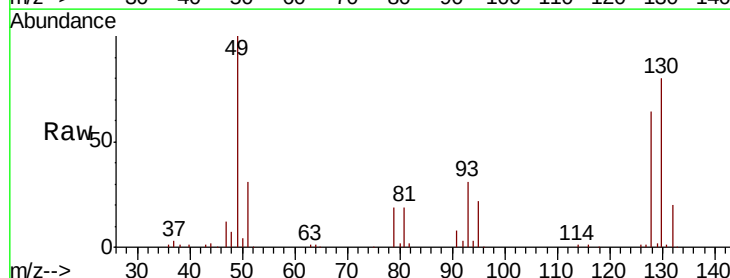
Ion Ratio Lower Upper

128 100

49 156.8 120.3 223.3

130 126.2 91.3 169.5

51 48.6 43.1 64.7

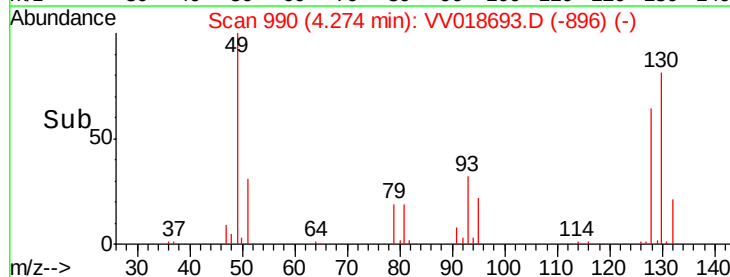
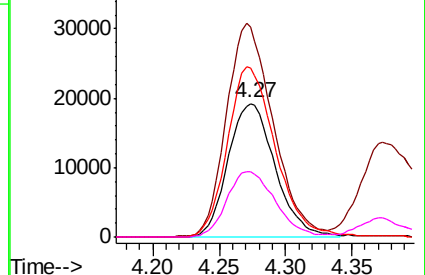


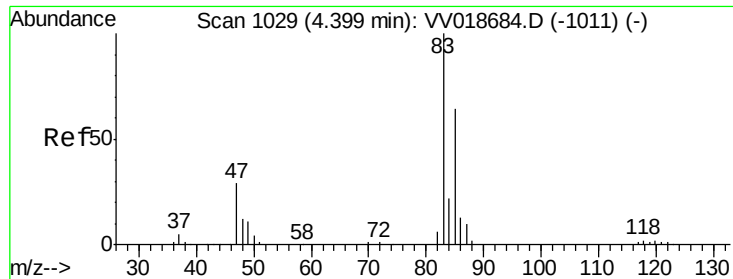
Abundance Ion 128.00 (127.70 to 128.70): VV018684.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018684.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018684.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018684.D (-976) (-)

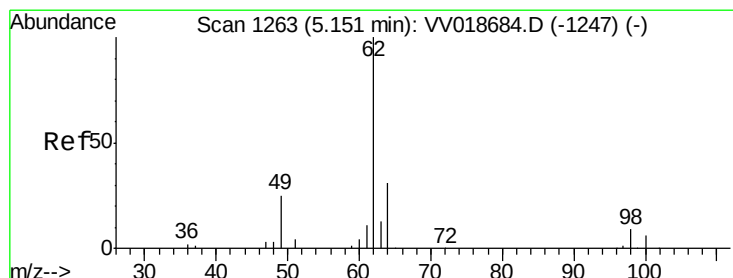
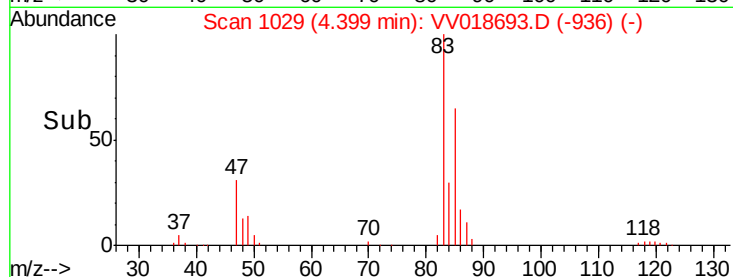
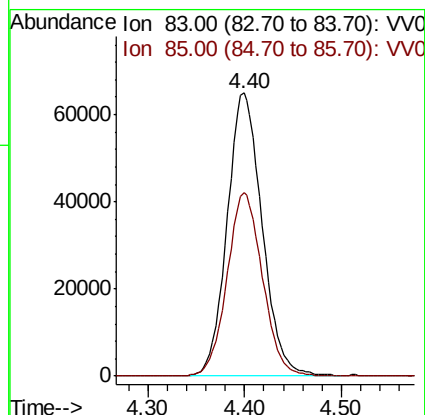
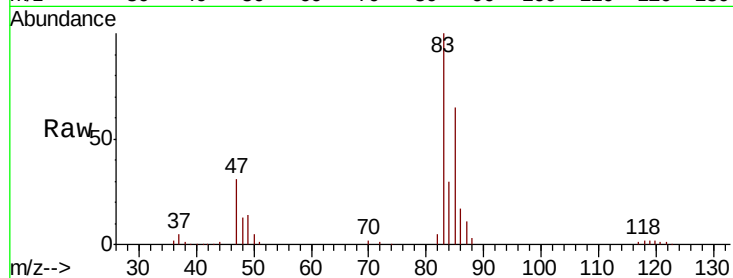




#25
Chloroform
Concen: 47.355 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

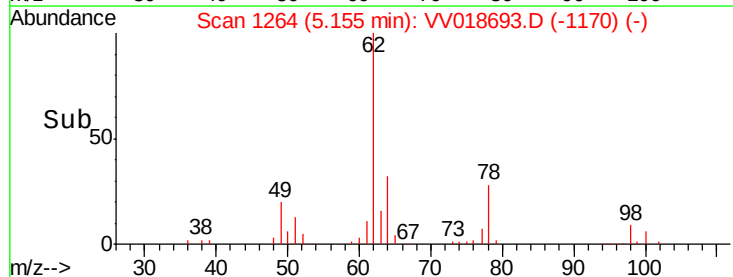
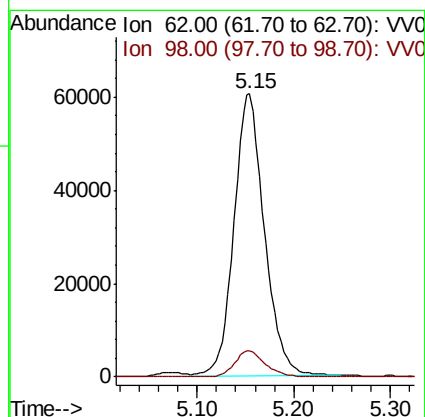
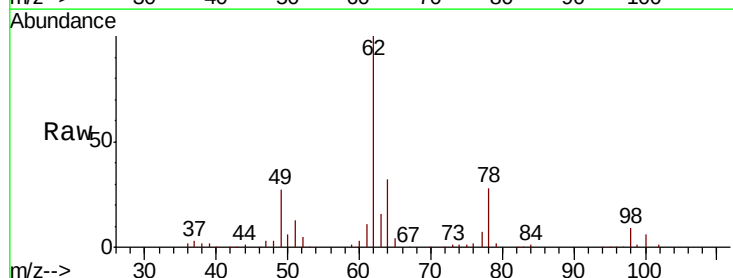
Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

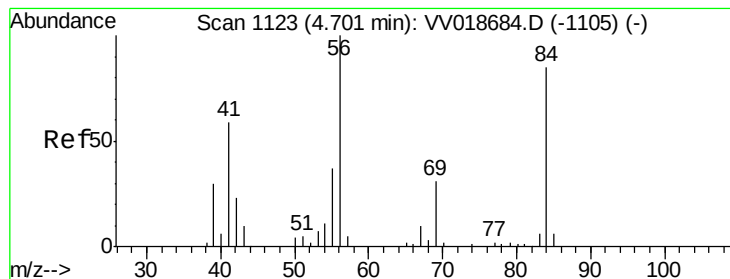
Tot Ion: 83 Resp: 163189
Ion Ratio Lower Upper
83 100
85 64.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 49.495 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Tgt Ion: 62 Resp: 132163
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.2





#29

Cyclohexane

Concen: 45.650 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050310

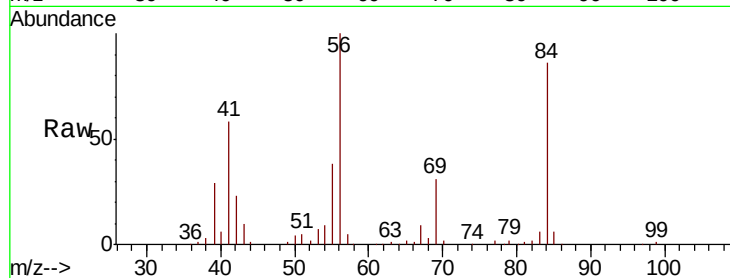
Tot Ion: 56 Resp: 128280

Ion Ratio Lower Upper

56 100

69 31.6 24.4 36.6

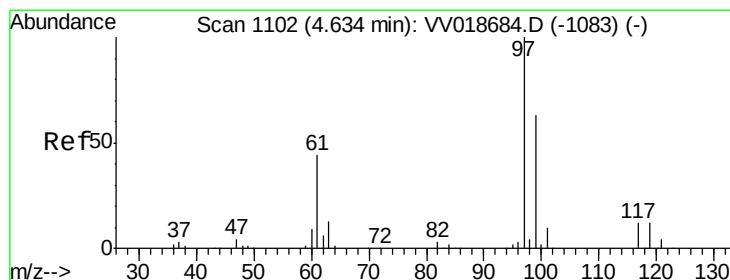
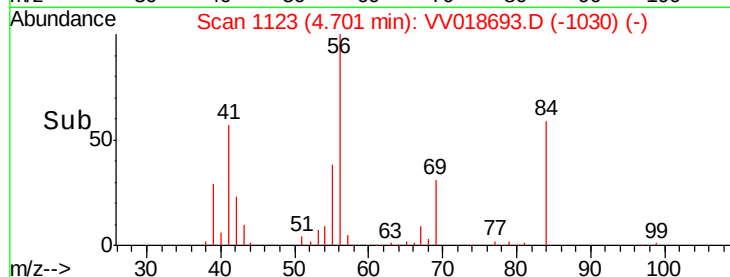
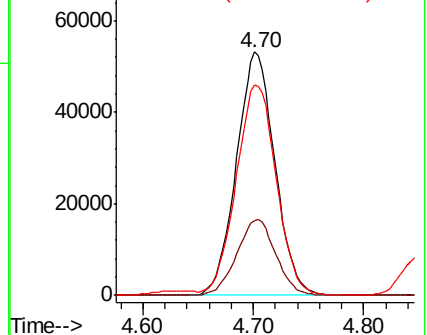
84 89.7 68.6 102.8



Abundance Ion 56.00 (55.70 to 56.70): VV018684.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV018684.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV018684.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 50.024 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

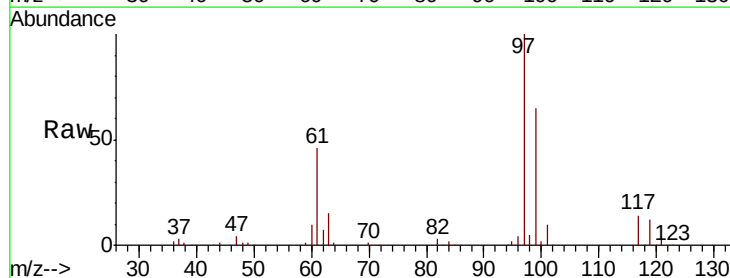
Tgt Ion: 97 Resp: 148555

Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

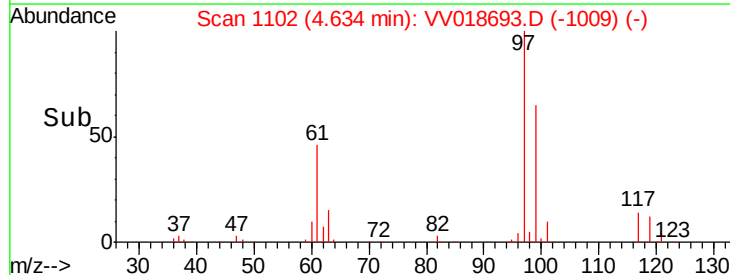
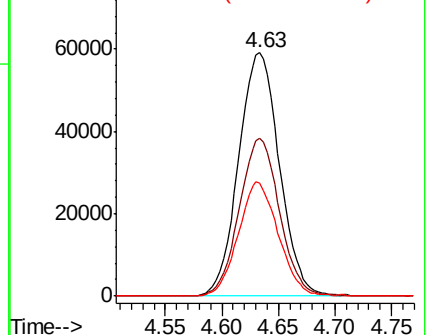
61 46.0 35.0 52.6

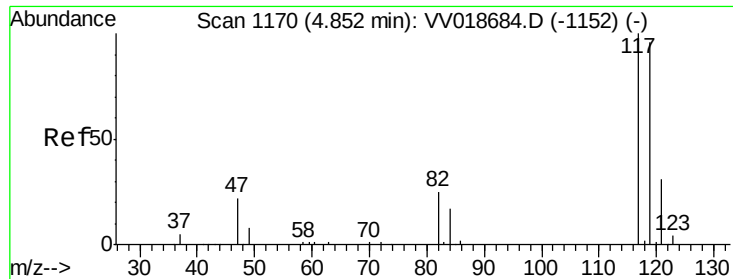


Abundance Ion 97.00 (96.70 to 97.70): VV018684.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018684.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018684.D (-1083) (-)

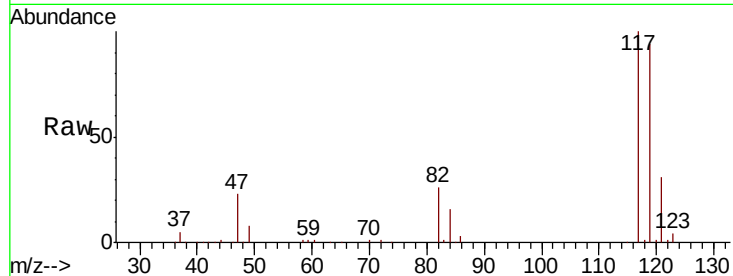




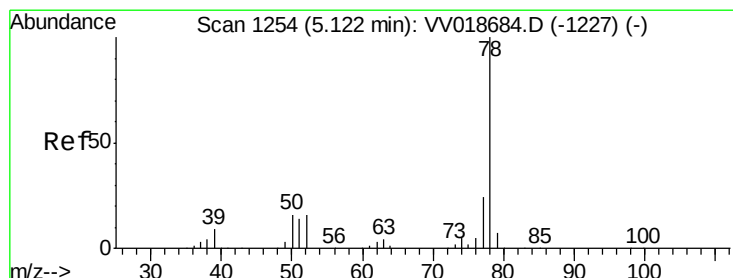
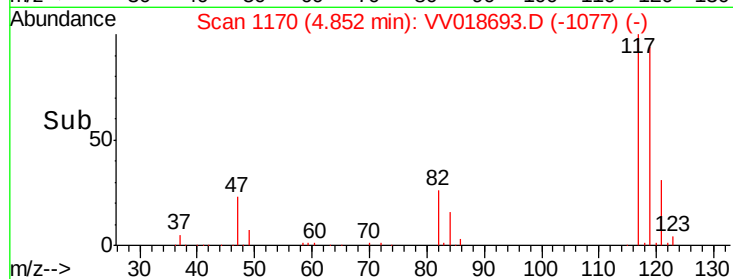
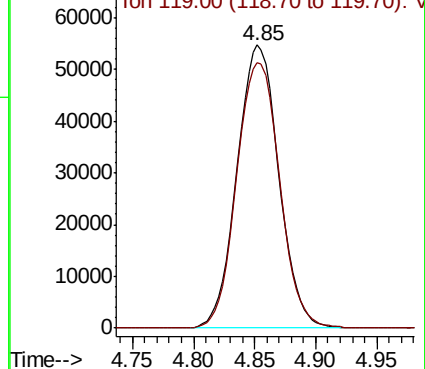
#31
Carbon tetrachloride
Concen: 50.110 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

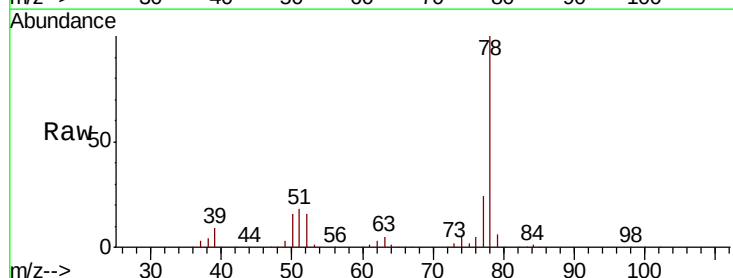
Tot Ion:117 Resp: 129731
Ion Ratio Lower Upper
117 100
119 96.5 76.7 115.1



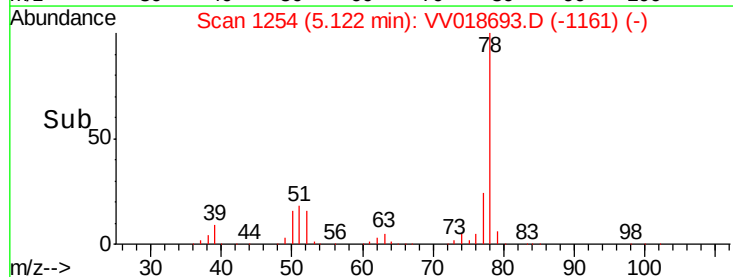
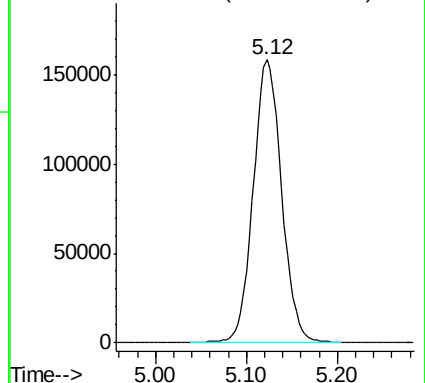
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

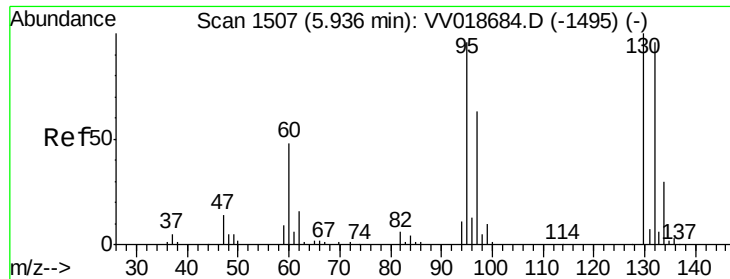


#33
Benzene
Concen: 47.630 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25
Tgt Ion: 78 Resp: 344431



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.222 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050310

Tot Ion: 95 Resp: 101829

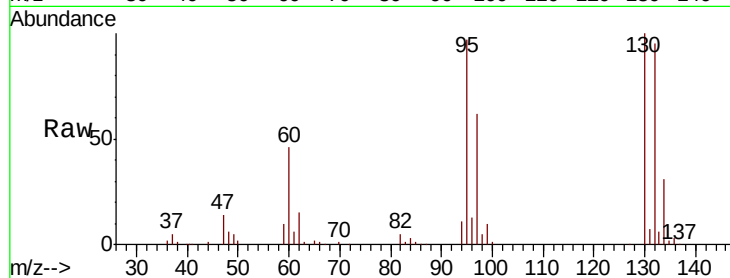
Ion Ratio Lower Upper

95 100

97 64.0 44.7 83.1

132 98.2 67.8 126.0

130 103.2 71.5 132.7



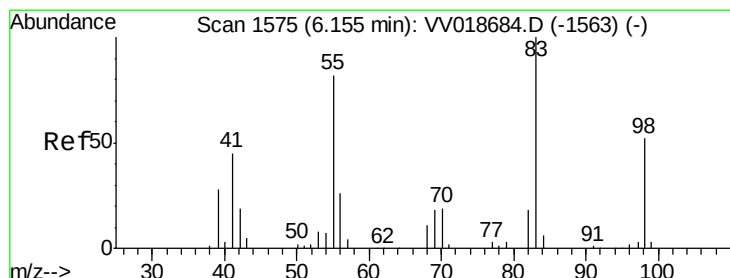
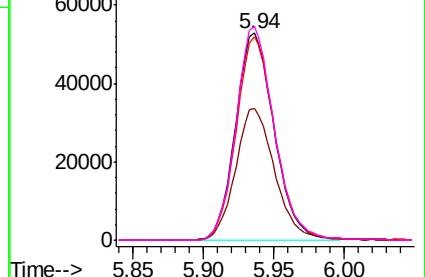
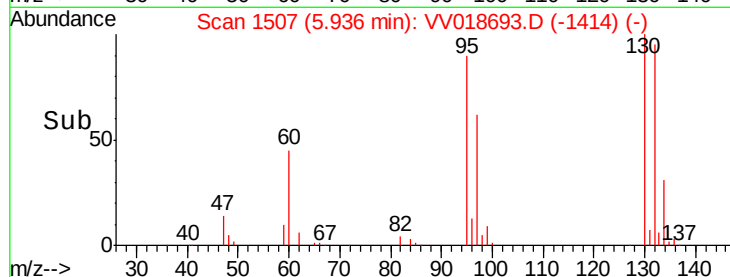
Abundance

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: 43.176 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

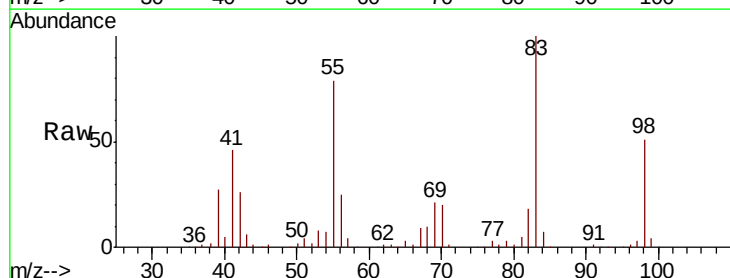
Tgt Ion: 83 Resp: 124621

Ion Ratio Lower Upper

83 100

55 77.3 63.6 95.4

98 51.0 38.6 58.0

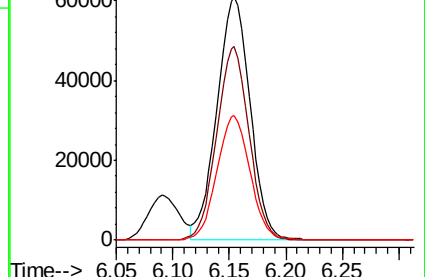
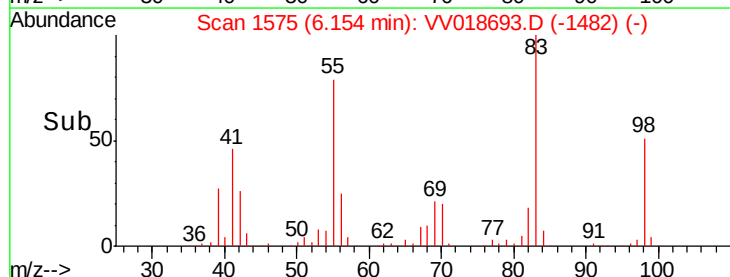


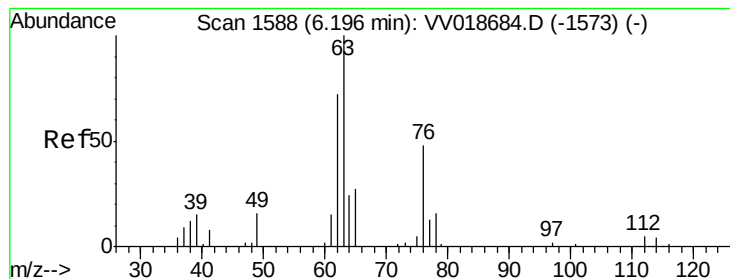
Abundance

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: 45.499 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

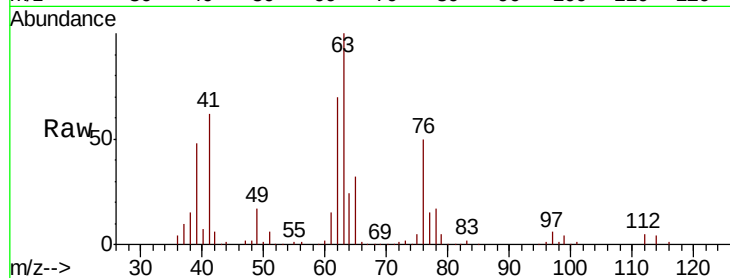
VSTD050310

Tot Ion: 63 Resp: 87000

Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5

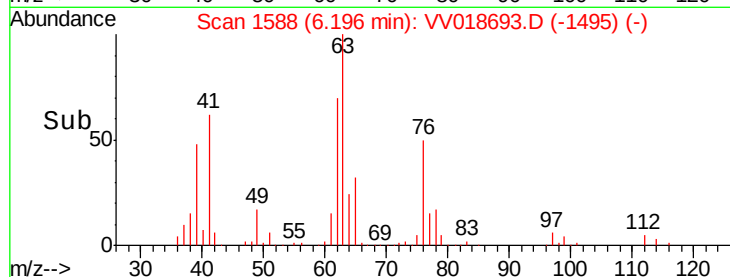


Abundance Ion 63.00 (62.70 to 63.70): VV018684.D (-1573) (-)

Ion 112.00 (111.70 to 112.70): VV018684.D (-1573) (-)

6.20

Time-->

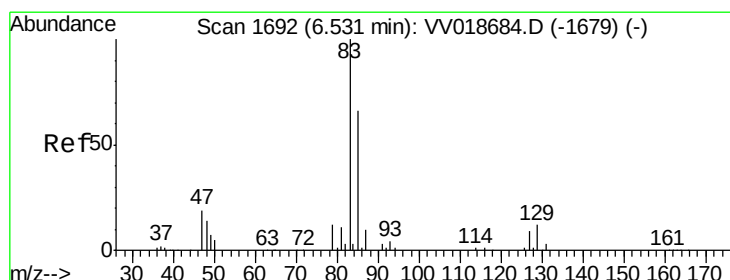


Abundance Ion 63.00 (62.70 to 63.70): VV018693.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV018693.D (-1495) (-)

6.20

Time-->



#38

Bromodichloromethane

Concen: 48.690 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

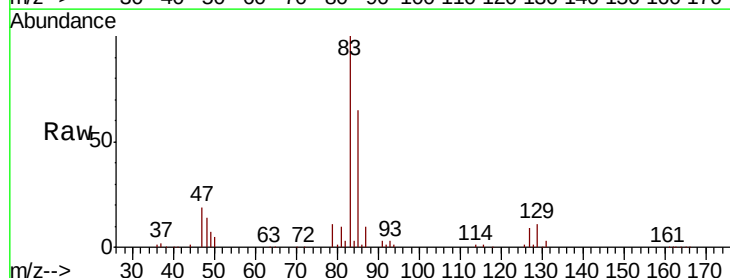
Tgt Ion: 83 Resp: 121844

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

127 9.0 6.8 10.2



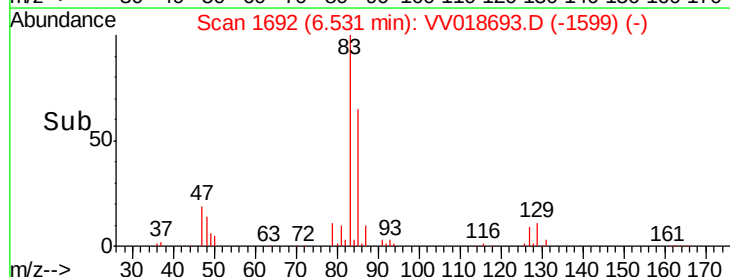
Abundance Ion 83.00 (82.70 to 83.70): VV018684.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018684.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018684.D (-1679) (-)

6.53

Time-->



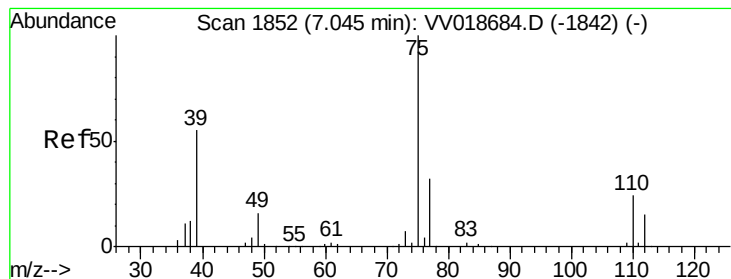
Abundance Ion 83.00 (82.70 to 83.70): VV018693.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018693.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV018693.D (-1599) (-)

6.53

Time-->

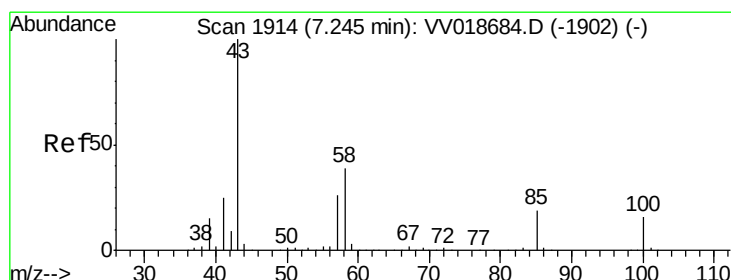
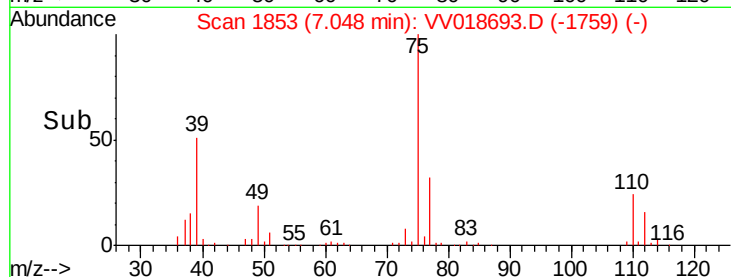
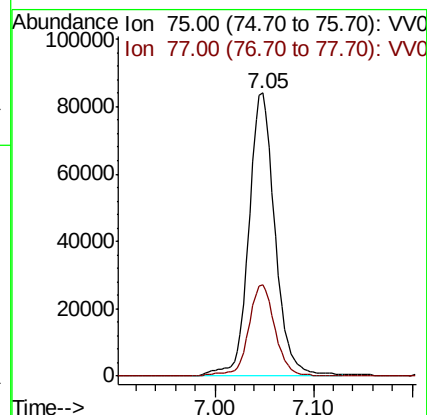
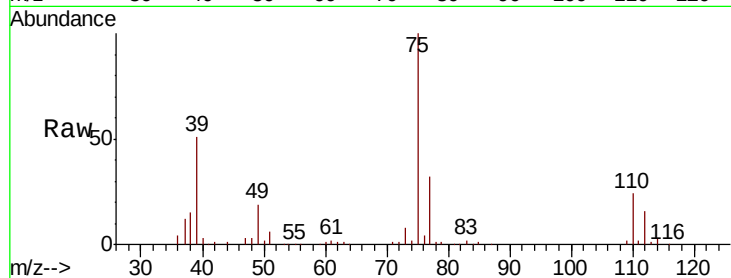


#39

cis-1,3-Dichloropropene
Concen: 53.825 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

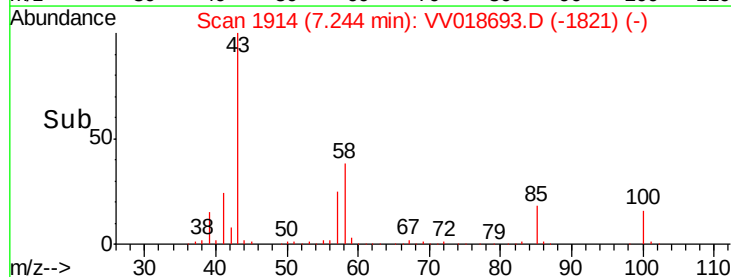
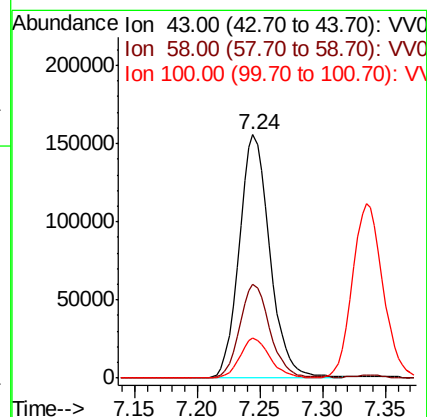
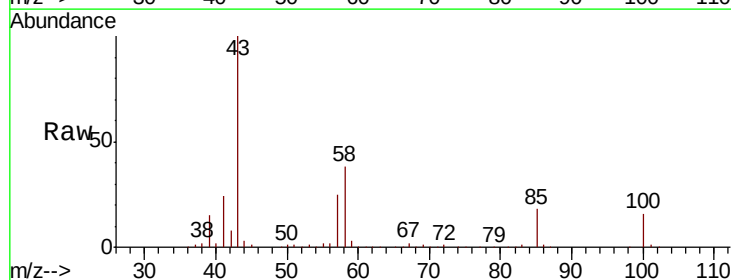
Tot Ion: 75 Resp: 154397
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.1

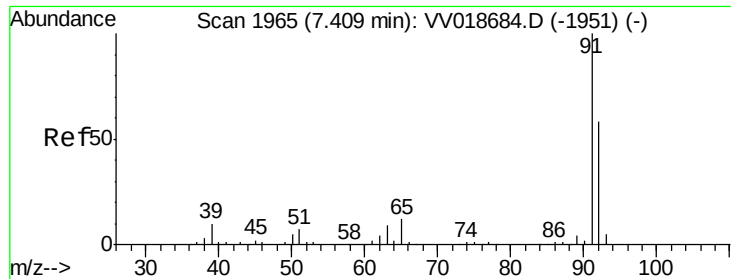


#40

4-Methyl-2-pentanone
Concen: 116.565 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Tgt Ion: 43 Resp: 264519
Ion Ratio Lower Upper
43 100
58 37.9 32.4 48.6
100 15.9 13.0 19.4





#42

Toluene

Concen: 49.896 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

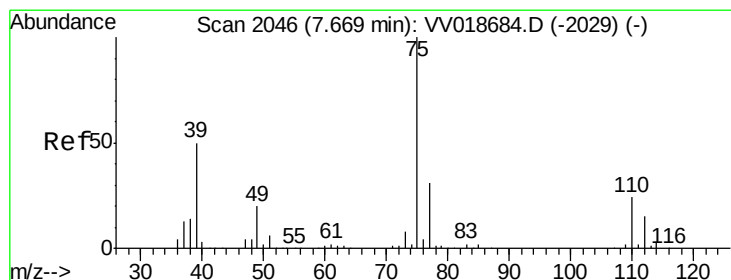
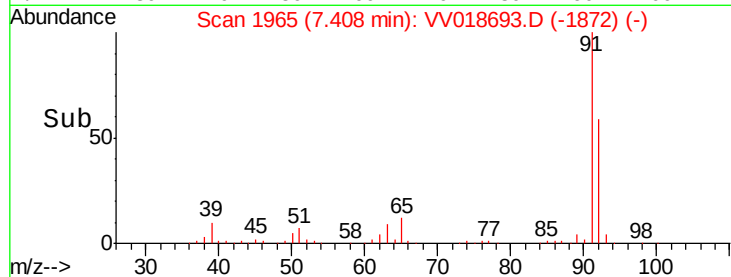
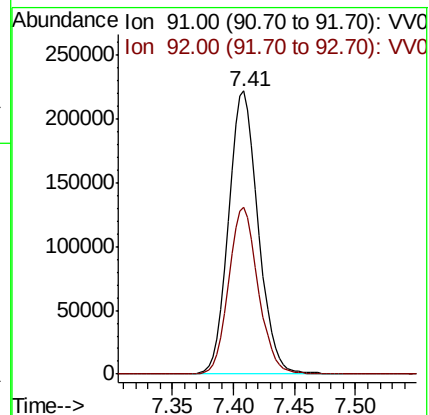
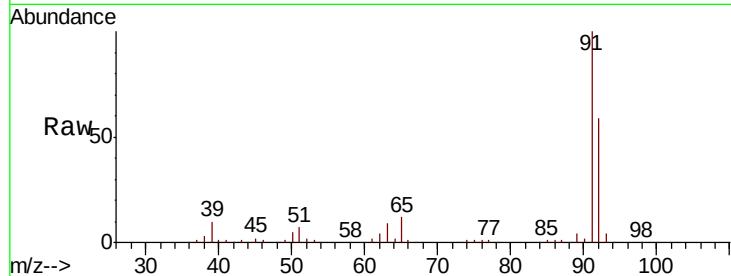
VSTD050310

Tot Ion: 91 Resp: 378540

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.836 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018693.D

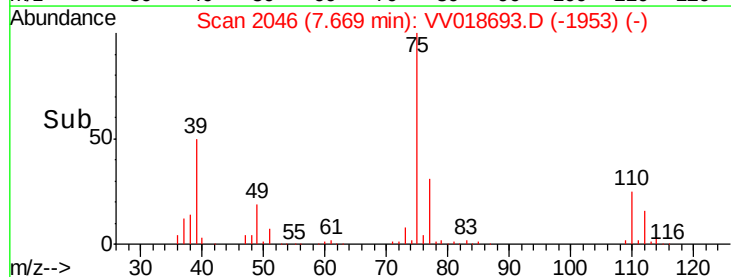
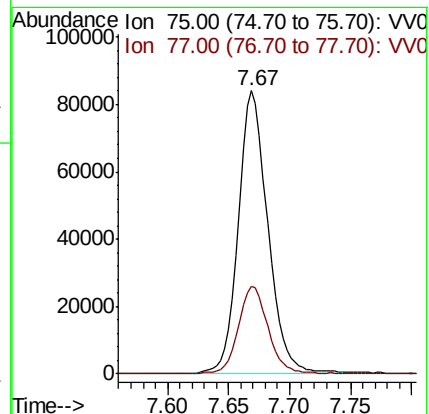
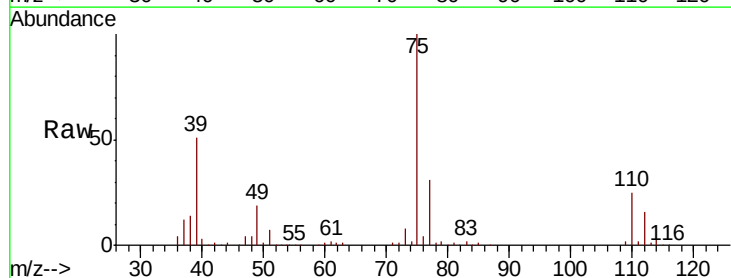
Acq: 06 Oct 2020 15:25

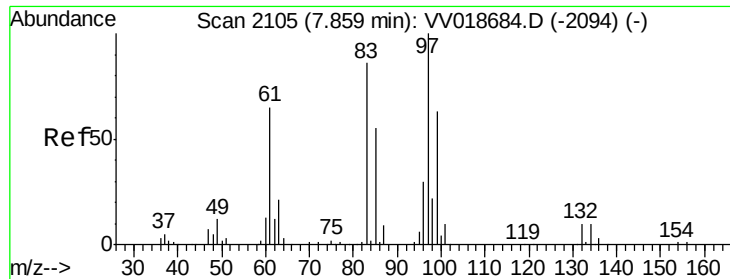
Tgt Ion: 75 Resp: 141738

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4

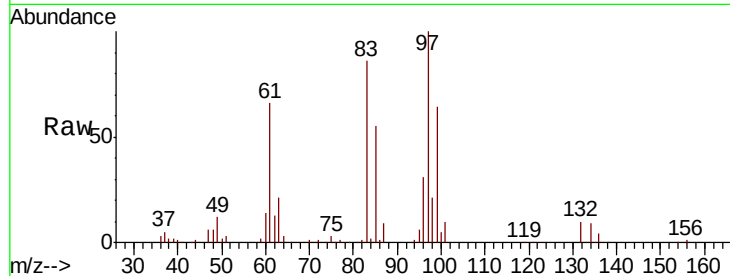




#45
 1,1,2-Trichloroethane
 Concen: 47.979 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

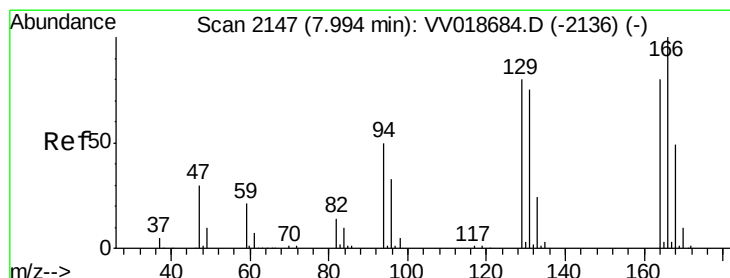
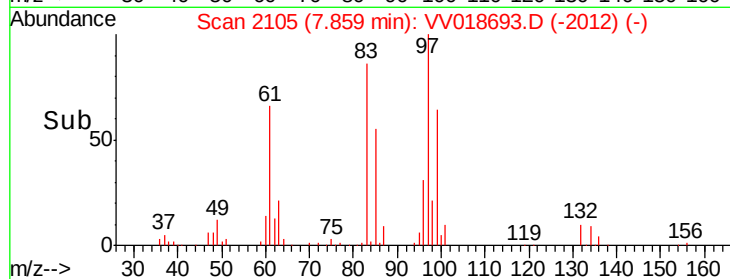
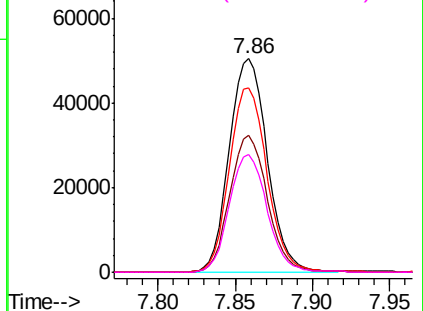
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

Tot Ion:	97	Resp:	86396
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.6	82.8
83	86.4	60.5	112.5
85	54.9	38.2	71.0



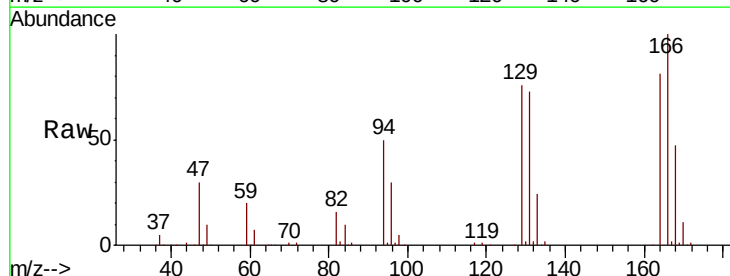
Abundance

Ion 97.00 (96.70 to 97.70): VV018693.D (-2012) (-)



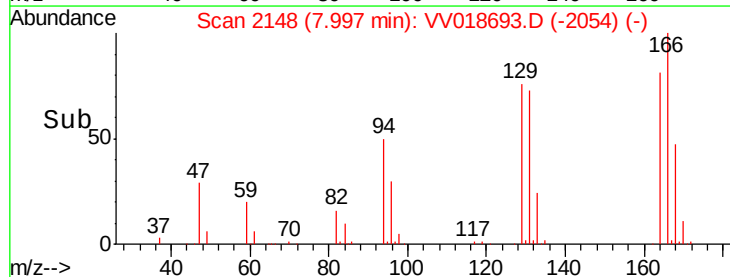
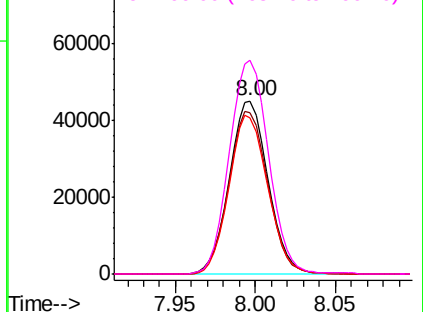
#46
 Tetrachloroethene
 Concen: 47.447 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

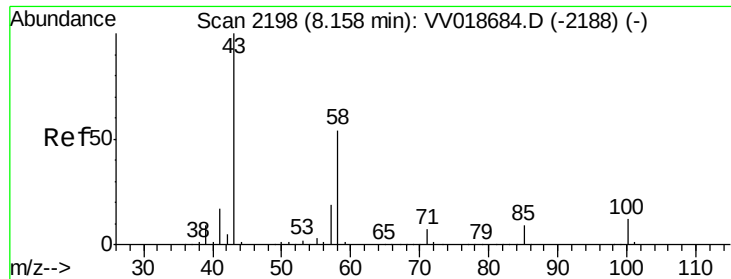
Tgt Ion:	164	Resp:	73860
Ion	Ratio	Lower	Upper
164	100		
129	93.2	63.7	118.3
131	90.3	60.6	112.6
166	123.2	90.6	168.3



Abundance

Ion 164.00 (163.70 to 164.70): VV018693.D (-2054) (-)

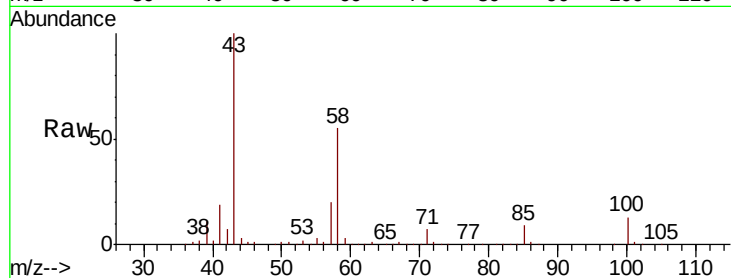




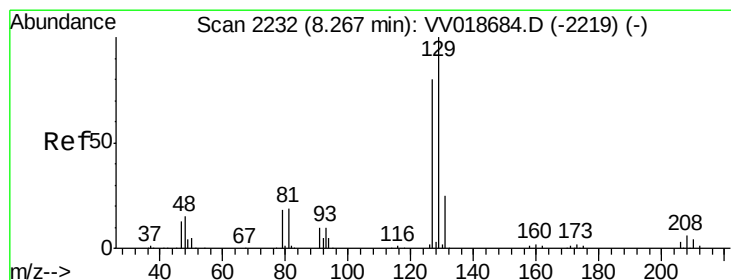
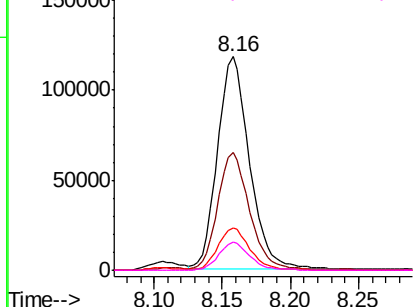
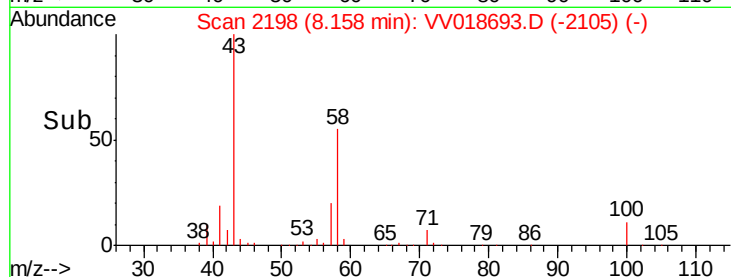
#48
2-Hexanone
Concen: 100.026 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

Tot Ion: 43 Resp: 192373
Ion Ratio Lower Upper
43 100
58 53.8 45.4 68.0
57 19.3 16.0 24.0
100 12.7 10.1 15.1

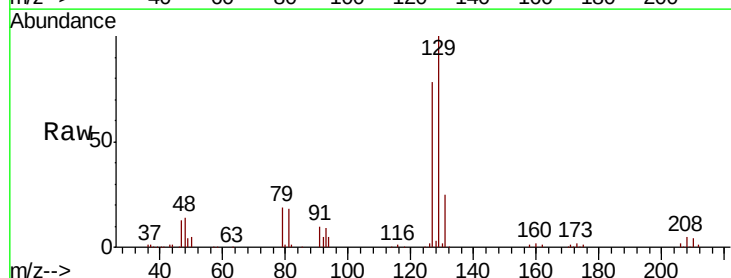


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

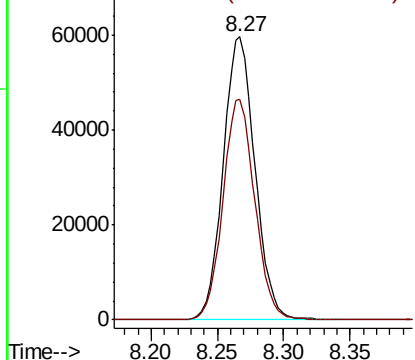
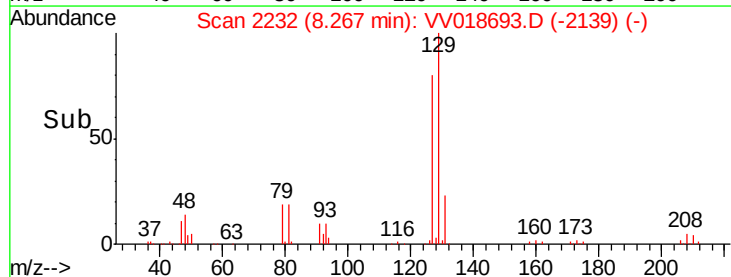


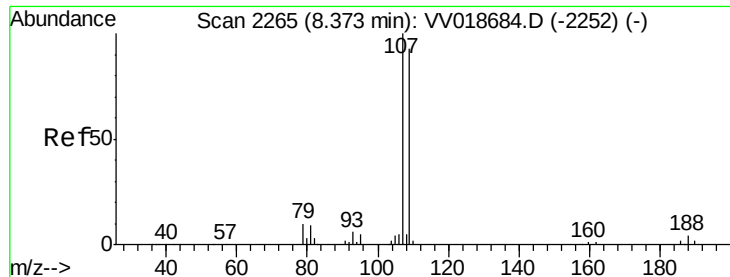
#49
Dibromochloromethane
Concen: 49.627 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Tgt Ion: 129 Resp: 99488
Ion Ratio Lower Upper
129 100
127 78.0 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

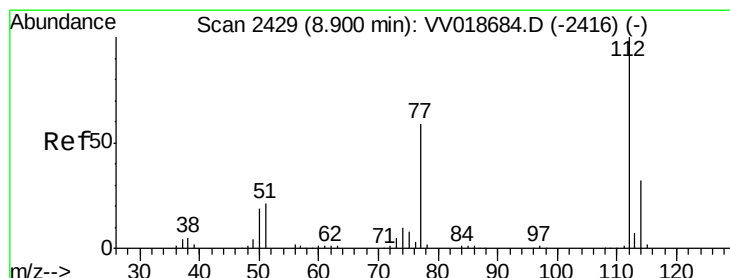
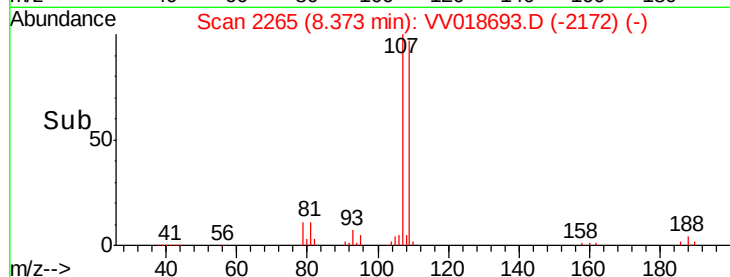
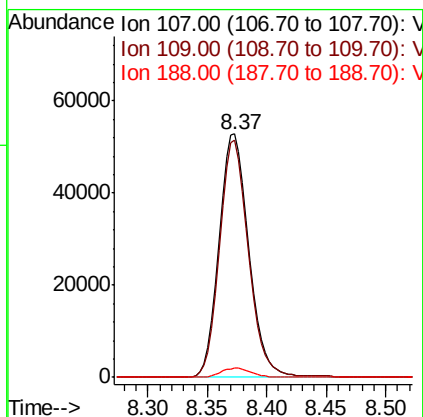
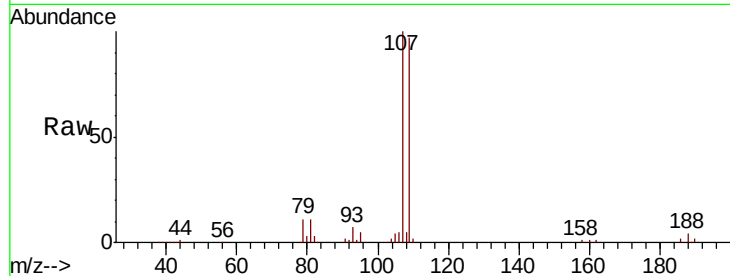




#50
 1,2-Dibromoethane
 Concen: 49.031 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

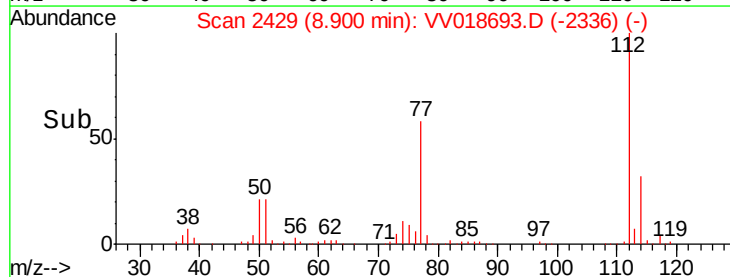
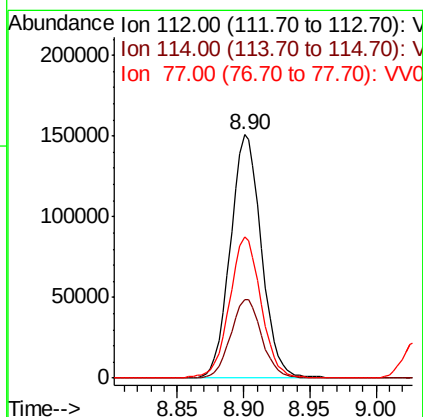
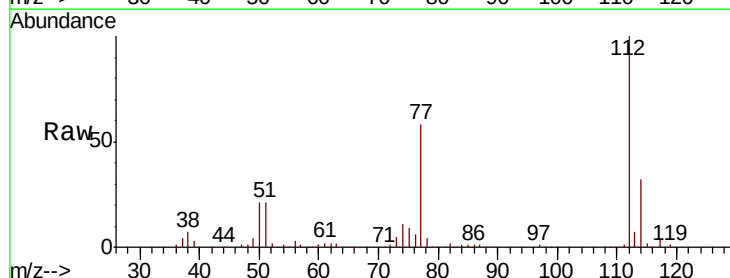
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

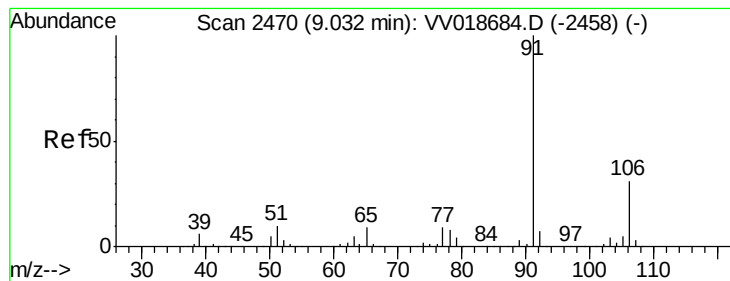
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	64.9	120.5
188	3.9	3.4	5.0



#51
 Chlorobenzene
 Concen: 48.453 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.2	41.2
77	58.3	47.4	71.2





#52

Ethylbenzene

Concen: 49.549 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

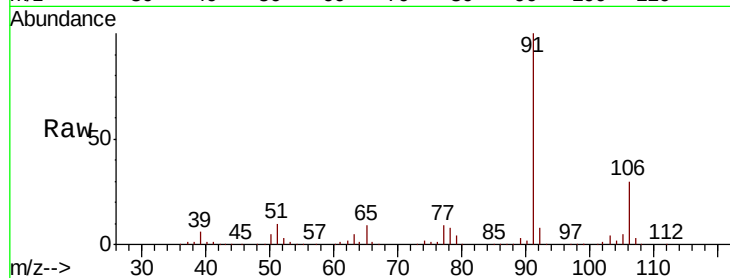
VSTD050310

Tot Ion: 91 Resp: 413696

Ion Ratio Lower Upper

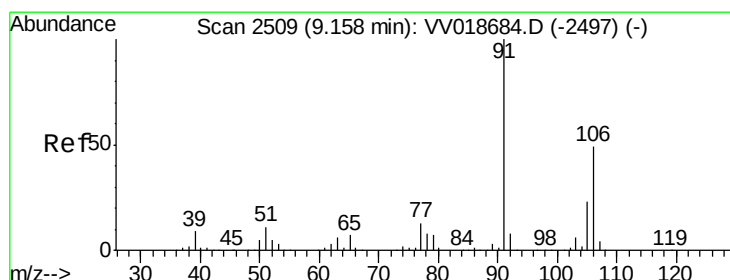
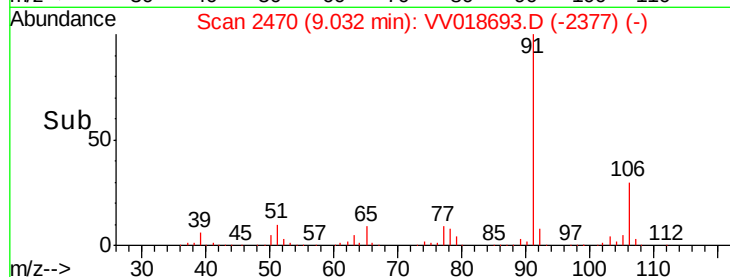
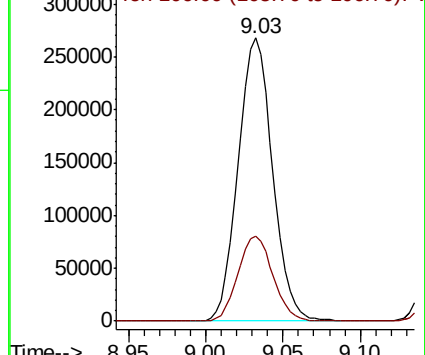
91 100

106 30.1 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 50.875 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018693.D

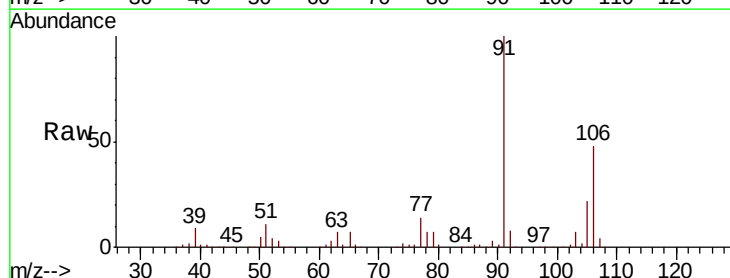
Acq: 06 Oct 2020 15:25

Tgt Ion: 106 Resp: 158609

Ion Ratio Lower Upper

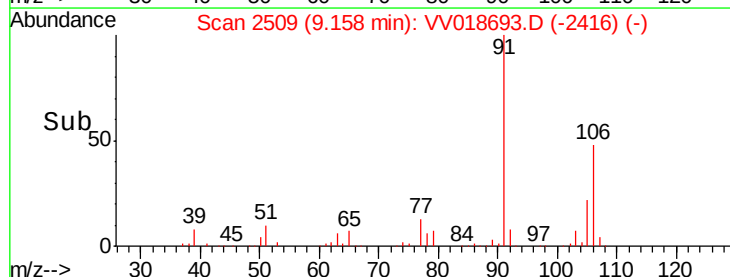
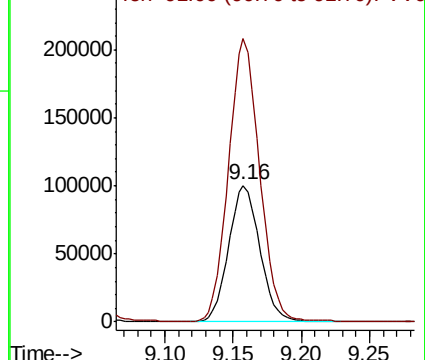
106 100

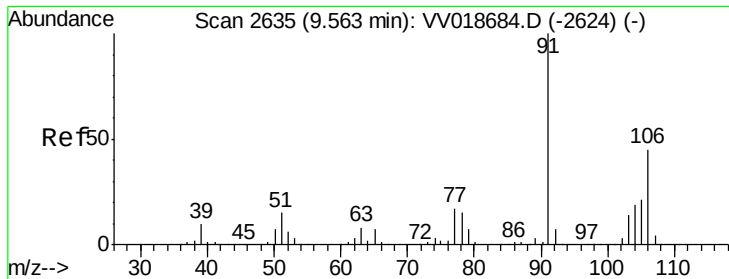
91 207.8 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

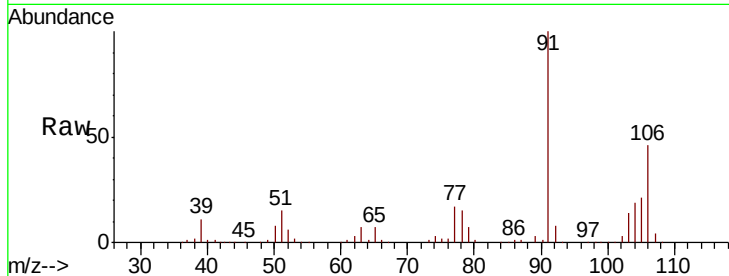




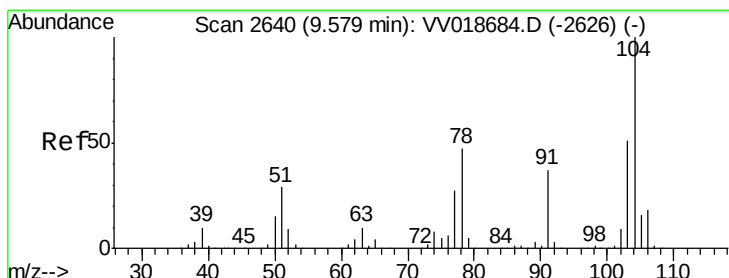
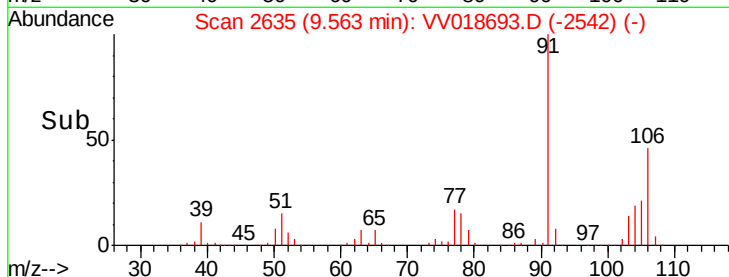
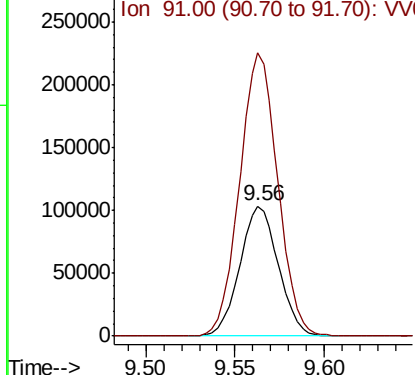
#54
o-Xylene
Concen: 51.977 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

Tot Ion:106 Resp: 156124
Ion Ratio Lower Upper
106 100
91 217.6 154.7 287.3

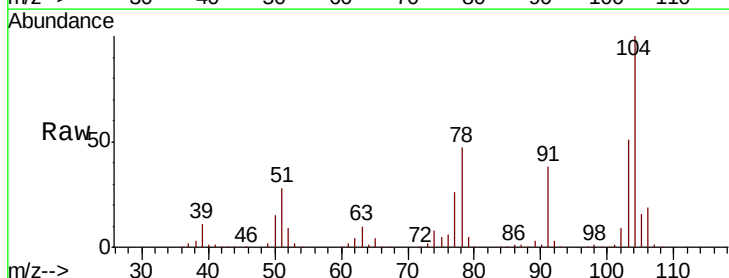


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

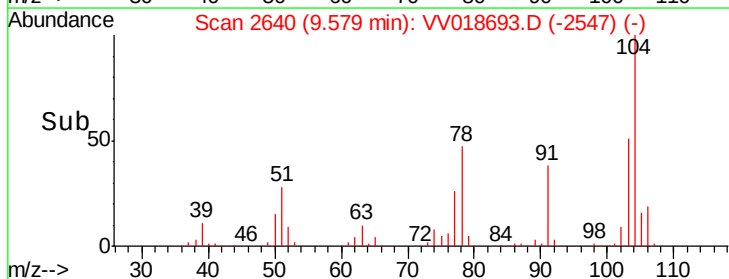
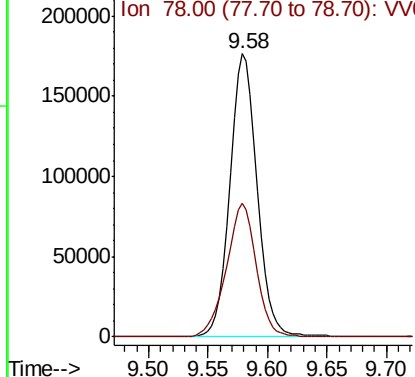


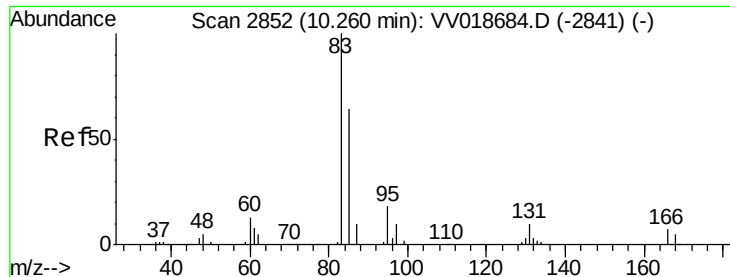
#55
Styrene
Concen: 53.277 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Tgt Ion:104 Resp: 279918
Ion Ratio Lower Upper
104 100
78 47.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

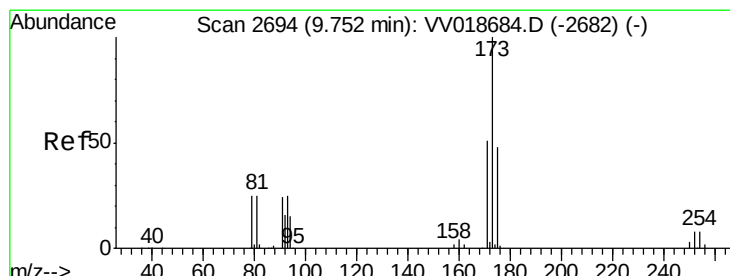
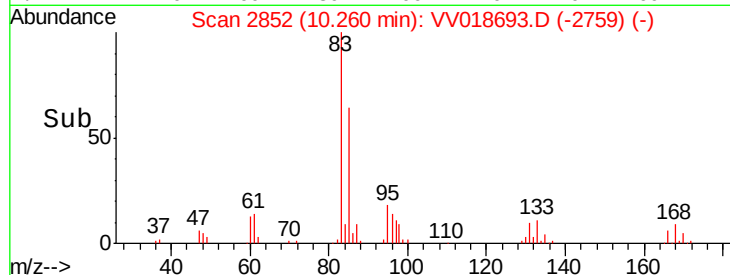
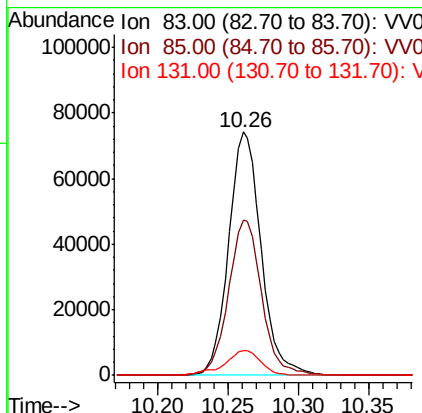
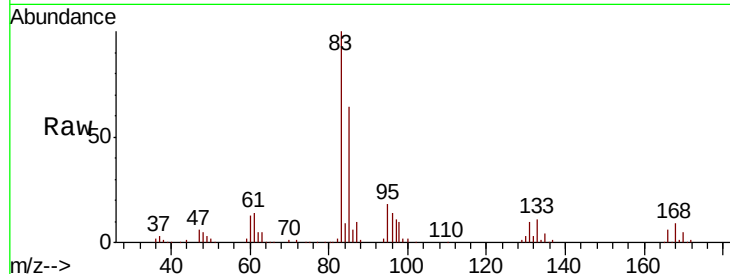




#57
 1,1,2,2-Tetrachloroethane
 Concen: 45.442 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

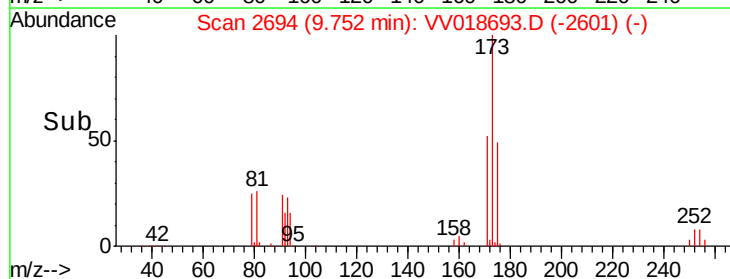
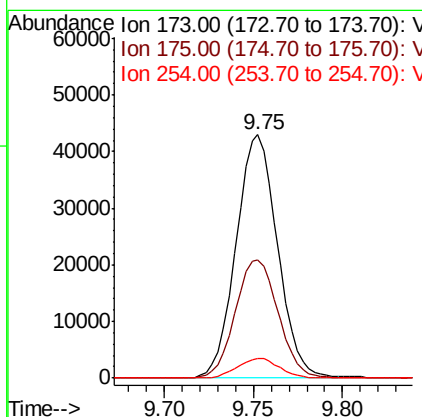
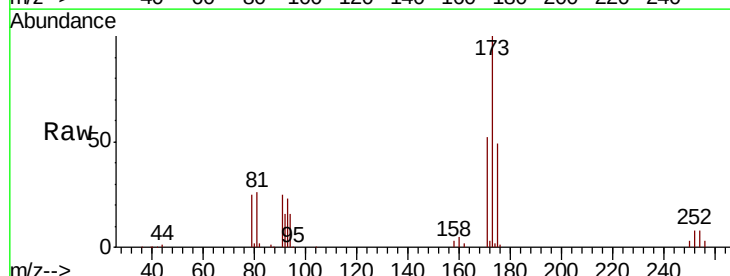
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

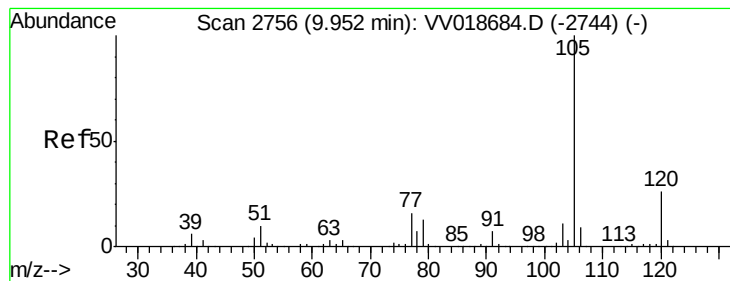
Tot Ion	83	Resp	119300
Ion Ratio	Lower	Upper	
83	100		
85	63.9	44.4	82.5
131	10.4	7.8	11.6



#59
 Bromoform
 Concen: 48.572 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Tgt Ion	173	Resp	69844
Ion Ratio	Lower	Upper	
173	100		
175	50.2	39.4	59.2
254	8.2	8.7	13.1#





#60

Isopropylbenzene

Concen: 52.026 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050310

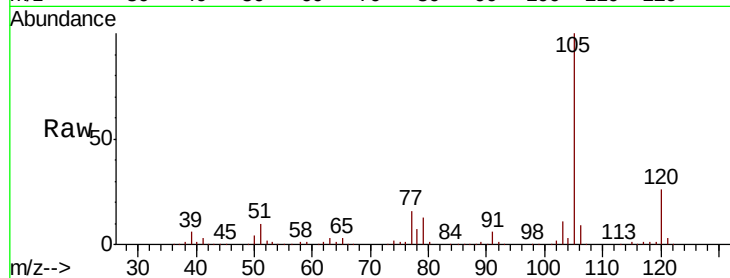
Tot Ion:105 Resp: 412493

Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

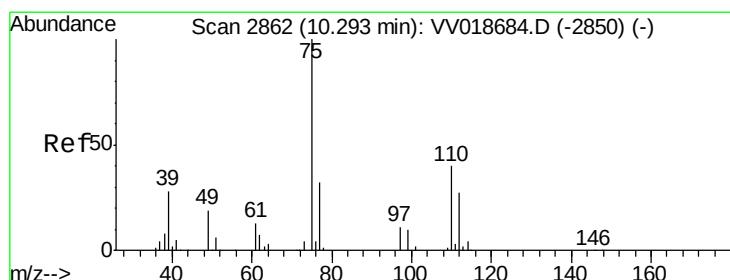
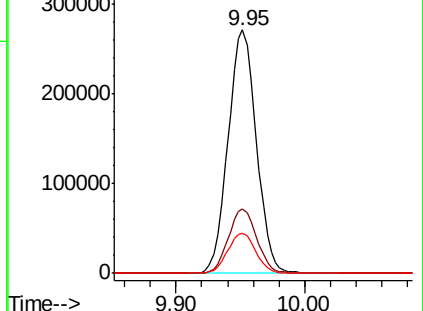
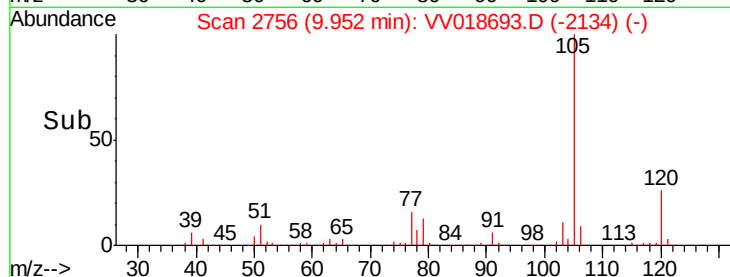
77 16.5 12.8 19.2



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



#61

1,2,3-Trichloropropane

Concen: 51.506 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018693.D

Acq: 06 Oct 2020 15:25

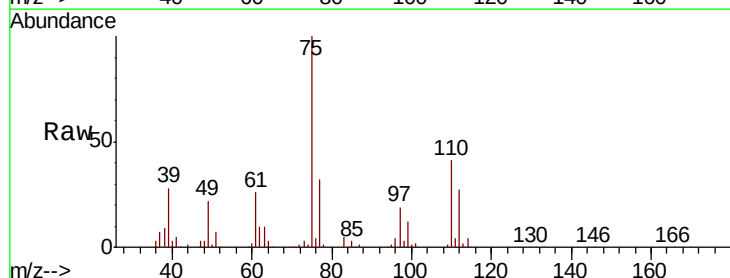
Tgt Ion: 75 Resp: 114974

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

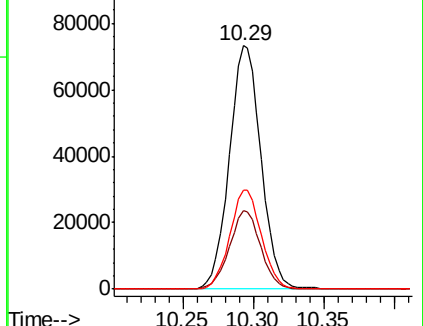
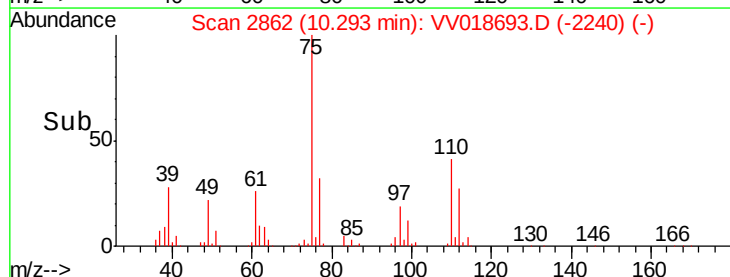
110 40.8 31.5 47.3

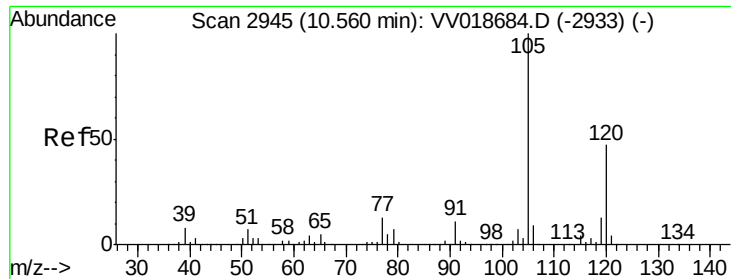


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

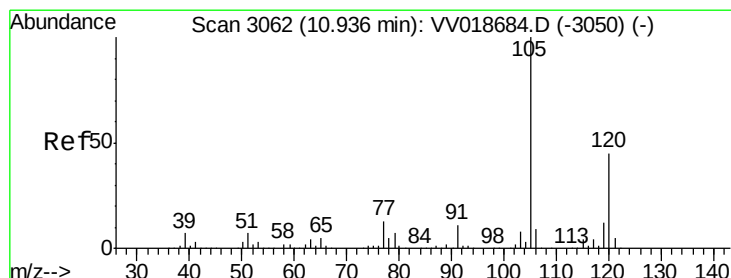
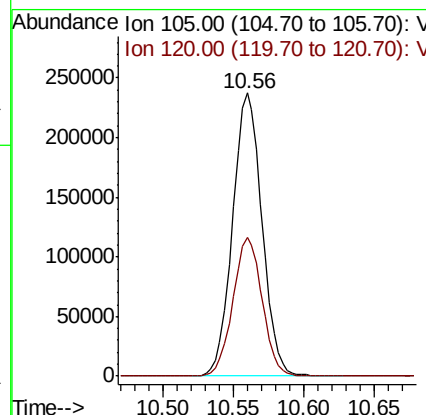
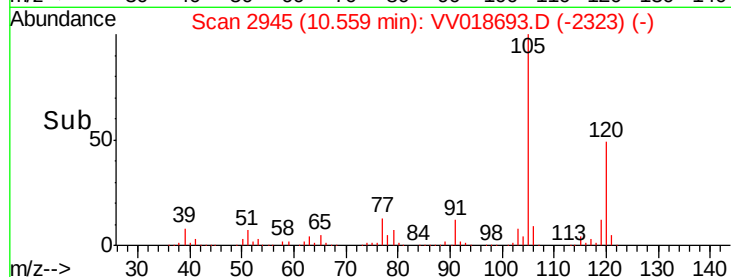
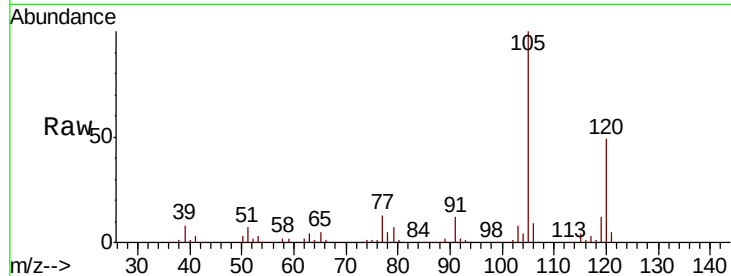




#62
 1,3,5-Trimethylbenzene
 Concen: 53.998 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

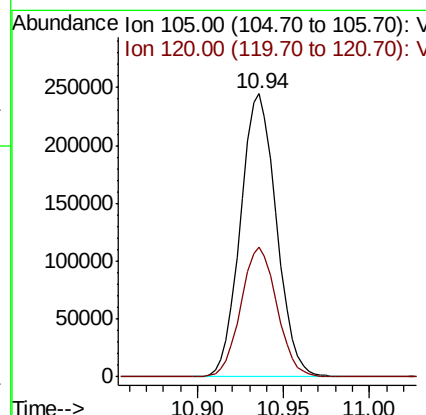
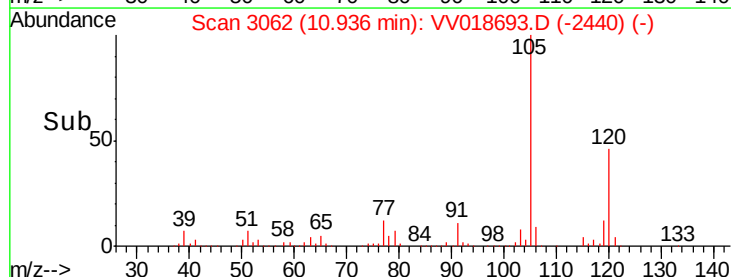
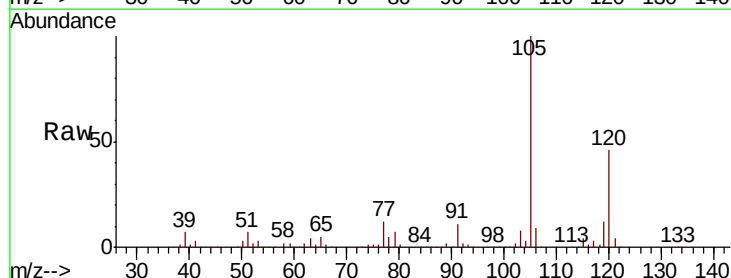
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

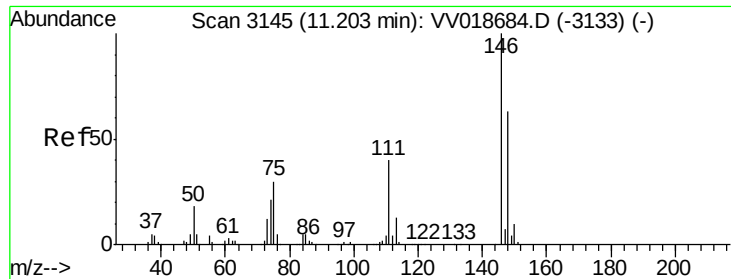
Tot Ion:105 Resp: 346541
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 53.868 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Tgt Ion:105 Resp: 354937
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.2 54.2

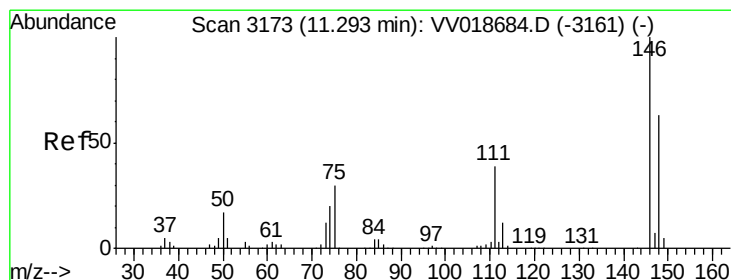
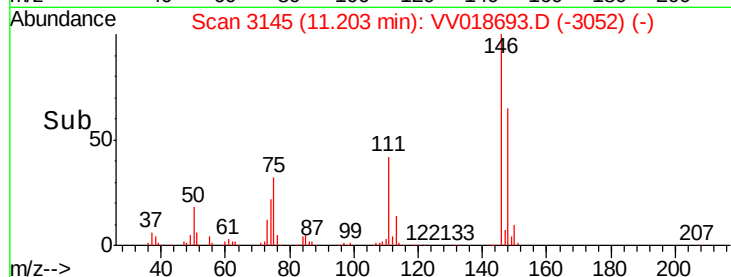
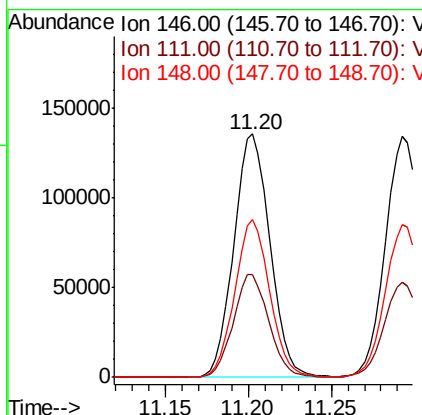
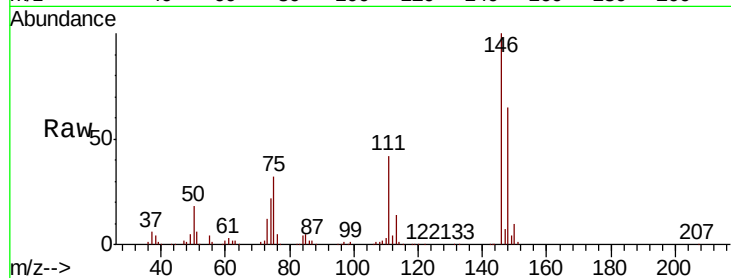




#64
 1,3-Dichlorobenzene
 Concen: 51.142 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

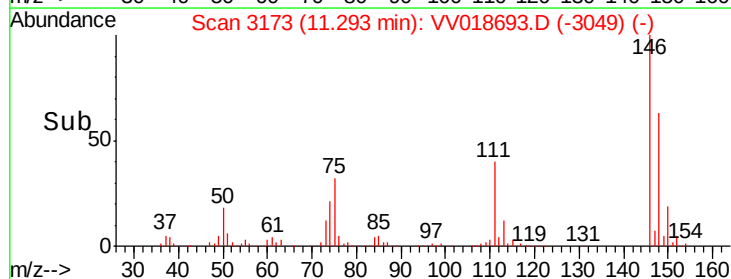
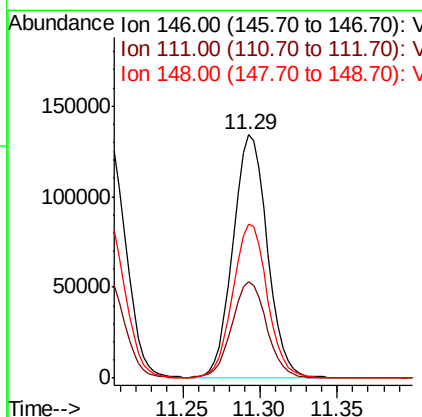
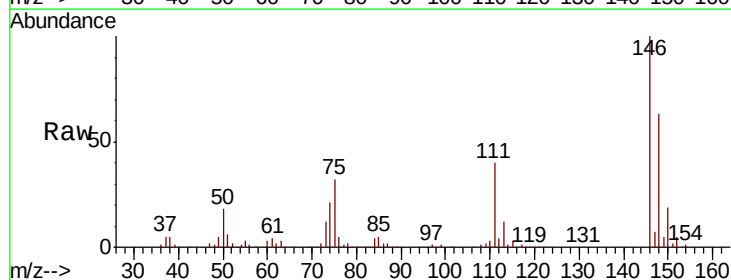
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

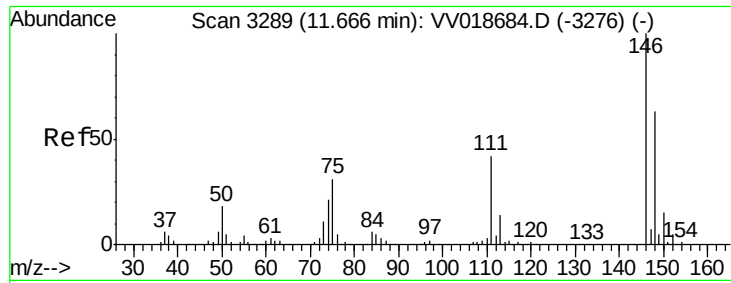
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	27.6	51.4
148	65.0	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 48.759 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.6	49.4
148	63.2	44.3	82.3

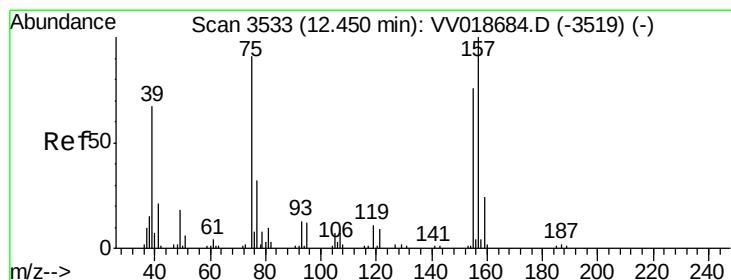
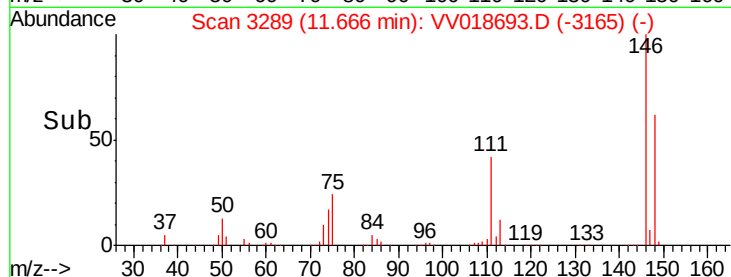
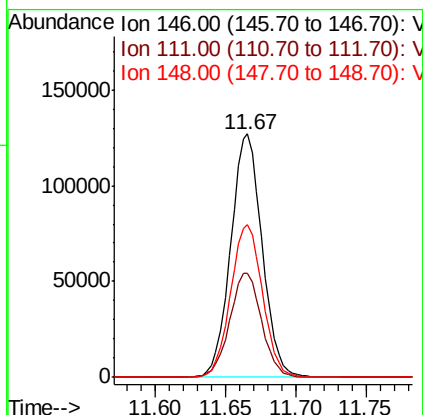
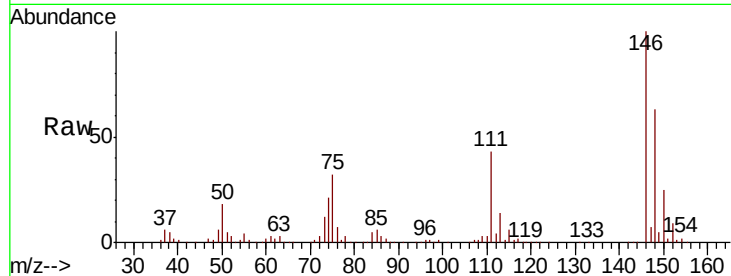




#67
 1,2-Dichlorobenzene
 Concen: 48.768 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

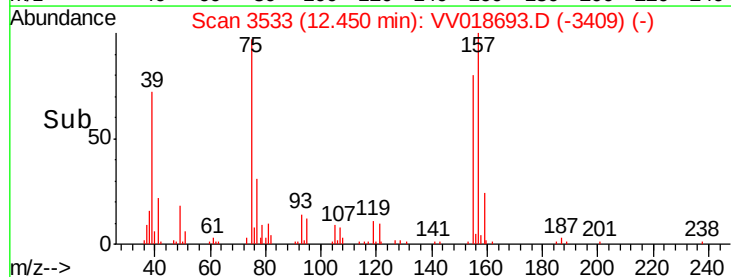
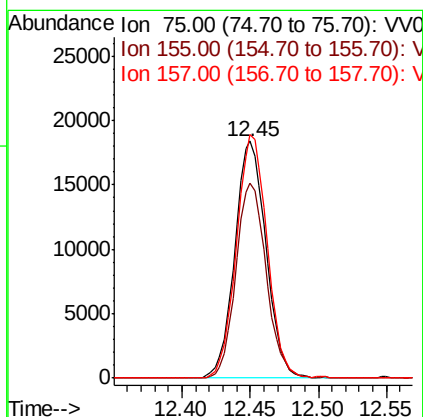
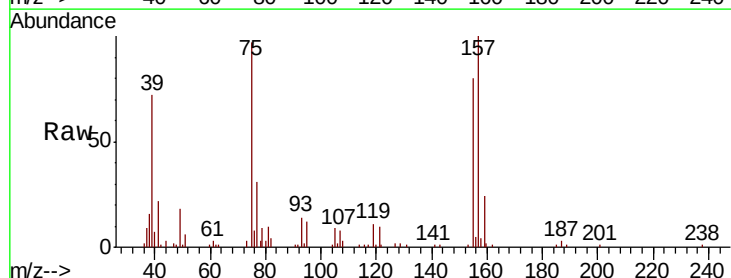
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

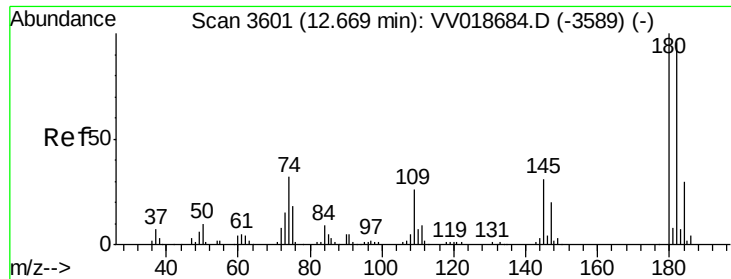
Tot Ion:146 Resp: 197584
 Ion Ratio Lower Upper
 146 100
 111 43.0 32.6 49.0
 148 62.7 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 51.774 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Tgt Ion: 75 Resp: 29201
 Ion Ratio Lower Upper
 75 100
 155 82.5 67.6 101.4
 157 102.7 88.7 133.1

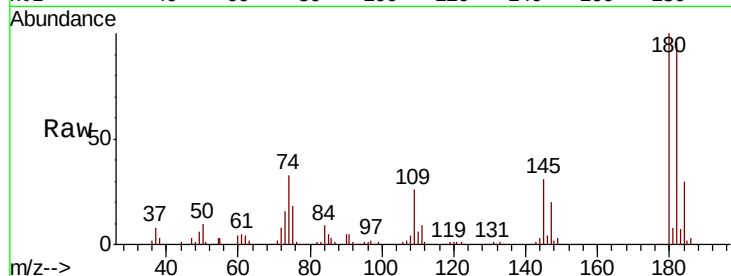




#69
 1,3,5-Trichlorobenzene
 Concen: 42.789 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050310

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
184	29.8	24.8	37.2
145	31.2	23.0	34.4



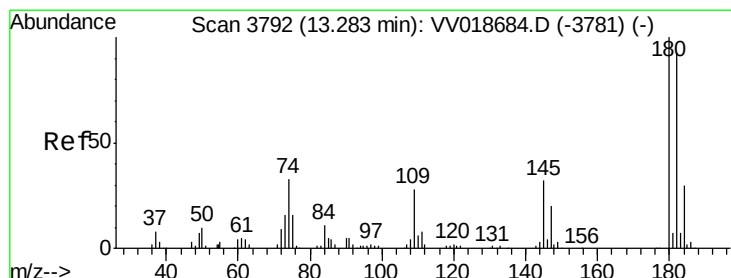
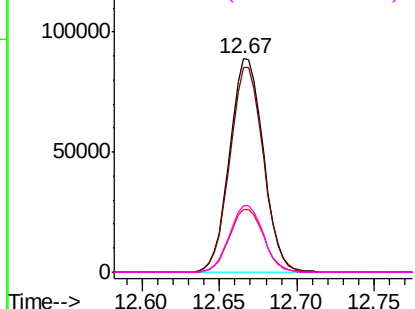
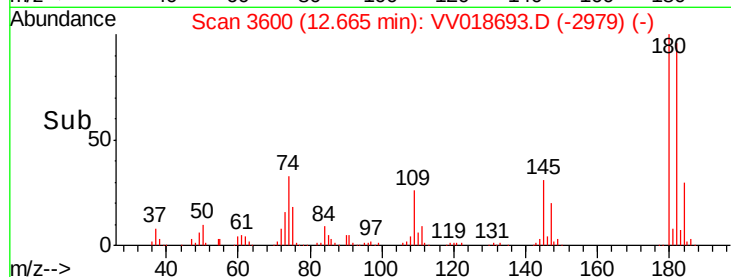
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

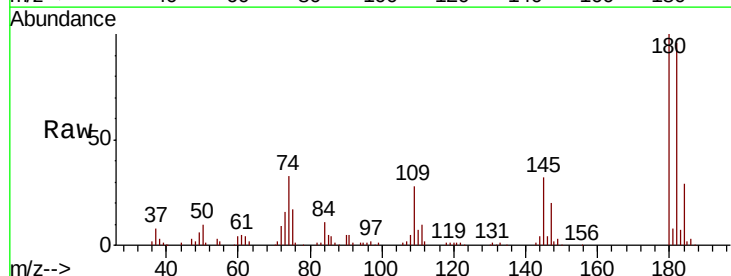
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 41.674 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018693.D
 Acq: 06 Oct 2020 15:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.6
145	31.8	23.0	34.4

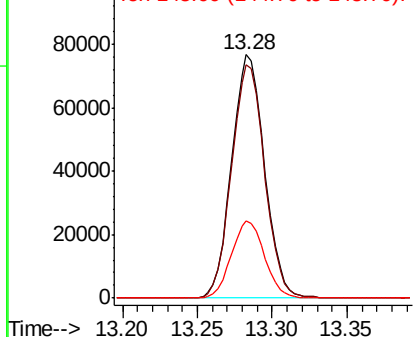
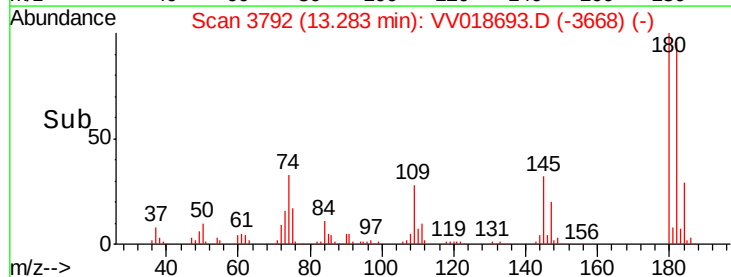


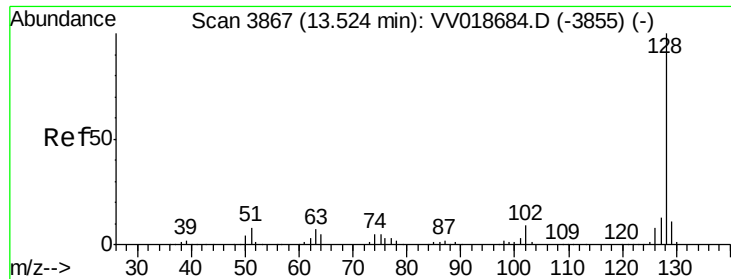
Abundance

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

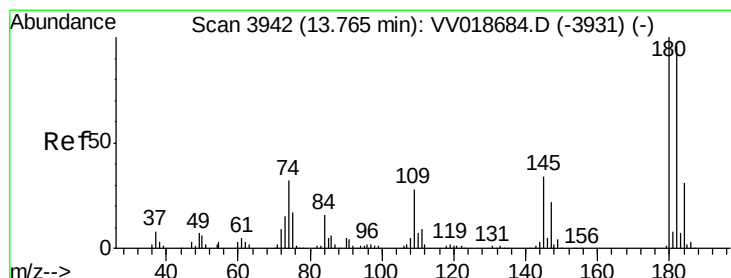
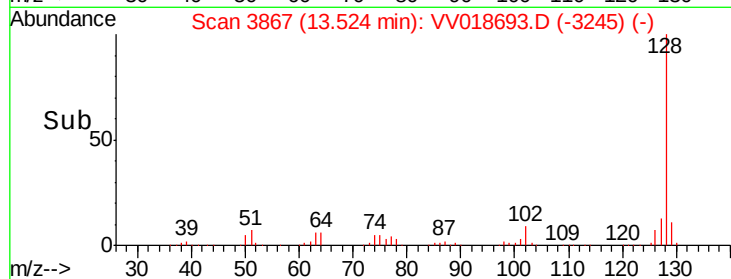
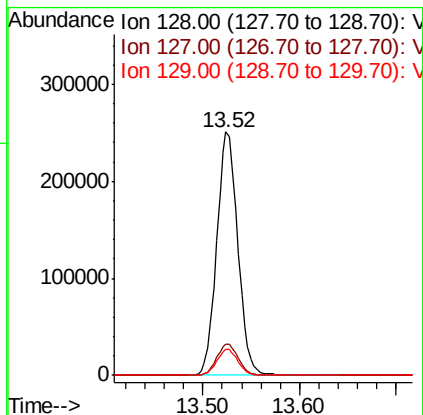
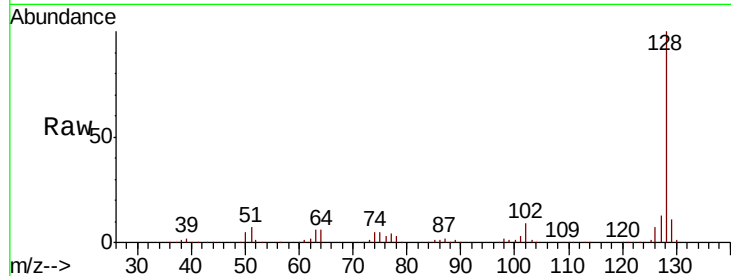




#71
Naphthalene
Concen: 51.999 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050310

Tot Ion:128 Resp: 379739
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 41.796 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018693.D
Acq: 06 Oct 2020 15:25

Tgt Ion:180 Resp: 118267
Ion Ratio Lower Upper
180 100
182 96.0 77.1 115.7
145 35.0 25.0 37.6

