

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101620\
 Data File : VV018959.D
 Acq On : 16 Oct 2020 23:58
 Operator : SY/MD
 Sample : VSTDCCC0EC
 Misc : 5.00ml/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Quant Time: Oct 17 06:06:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 17 05:56:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	298174	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	296880	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103225	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.58	69	90303	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.88%
11) 1,1-Dichloroethene-d2	2.12	63	223688	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.56%
21) 2-Butanone-d5	3.90	46	166608	97.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.38	84	203964	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.06	65	140232	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.07	84	380800	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.09	67	123958	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.46%
41) Toluene-d8	7.34	98	347637	44.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.42%
43) trans-1,3-Dichloropropene-	7.64	79	60672	44.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.58%
47) 2-Hexanone-d5	8.11	63	104420	101.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.44%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153086	47.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	146887	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	130719	50.629	ug/L 99
3) Chloromethane	1.25	50	146605	50.348	ug/L 100
5) Vinyl chloride	1.32	62	149073	52.969	ug/L 98
6) Bromomethane	1.53	94	91267	53.152	ug/L 98
8) Chloroethane	1.60	64	94460	55.962	ug/L 100
9) Trichlorofluoromethane	1.76	101	205295	55.266	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	110668	57.213	ug/L 99
12) 1,1-Dichloroethene	2.13	96	109945	56.088	ug/L 94
13) Acetone	2.19	43	130648	104.507	ug/L 98
14) Carbon disulfide	2.31	76	341451	51.128	ug/L 100
15) Methyl Acetate	2.44	43	144855	56.406	ug/L 98
16) Methylene chloride	2.52	84	128230	54.528	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	115658	53.152	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	372128	54.127	ug/L 100
19) 1,1-Dichloroethane	3.21	63	211874	50.049	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	114294	49.558	ug/L 99
22) 2-Butanone	3.99	43	175989	103.537	ug/L 99

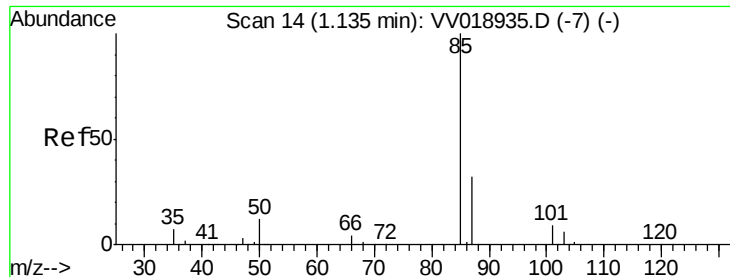
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	59361	49.838	ug/L	98
25) Chloroform	4.40	83	216961	50.967	ug/L	99
27) 1,2-Dichloroethane	5.15	62	179926	51.741	ug/L	99
29) Cyclohexane	4.70	56	182369	51.690	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	192574	52.276	ug/L	99
31) Carbon tetrachloride	4.85	117	166426	53.081	ug/L	98
33) Benzene	5.12	78	457277	50.247	ug/L	100
34) Trichloroethene	5.94	95	126213	48.092	ug/L	99
35) Methylcyclohexane	6.15	83	160687	50.555	ug/L	100
37) 1,2-Dichloropropane	6.20	63	124516	51.110	ug/L	99
38) Bromodichloromethane	6.53	83	156531	50.114	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	184047	50.276	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	345371	102.798	ug/L	99
42) Toluene	7.41	91	488175	51.937	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	180923	51.001	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	110471	48.749	ug/L	99
46) Tetrachloroethene	8.00	164	92659	50.098	ug/L	99
48) 2-Hexanone	8.16	43	277418	104.142	ug/L	98
49) Dibromochloromethane	8.27	129	121273	50.548	ug/L	99
50) 1,2-Dibromoethane	8.37	107	115771	49.021	ug/L	99
51) Chlorobenzene	8.90	112	305539	49.859	ug/L	99
52) Ethylbenzene	9.03	91	532387	52.322	ug/L	100
53) m,p-Xylene	9.16	106	197891	52.203	ug/L	99
54) o-xylene	9.56	106	191499	52.803	ug/L	99
55) Styrene	9.58	104	340666	53.404	ug/L	99
56) Isopropylbenzene	9.95	105	508476	53.406	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	152286	49.491	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	147235	49.928	ug/L	100
61) Bromoform	9.75	173	87771	49.778	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	247895	49.541	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	255502	48.567	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	247378	49.000	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	35565	47.273	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	168886	50.244	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	163591	52.817	ug/L	99
69) Naphthalene	13.52	128	499444	56.820	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	171823	55.498	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.629 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

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ClientSampleId :

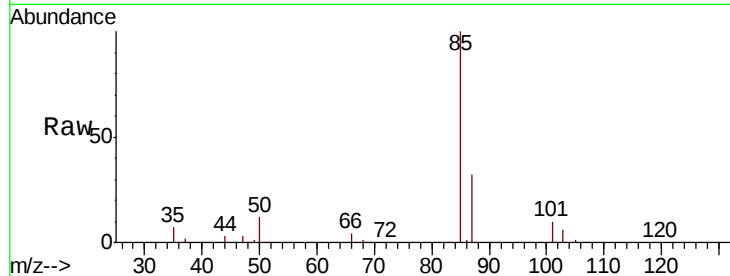
VSTD05093

Tot Ion: 85 Resp: 130719

Ion Ratio Lower Upper

85 100

87 32.1 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

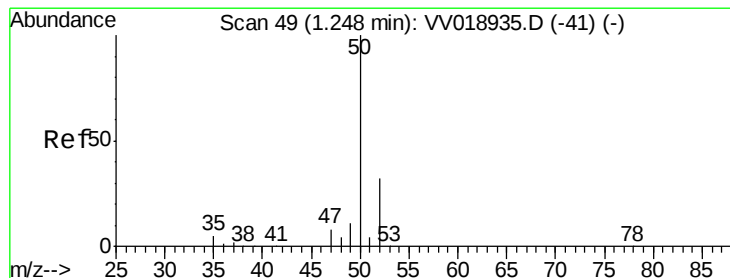
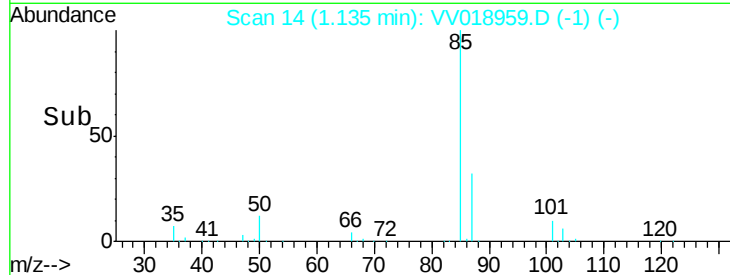
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.348 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018959.D

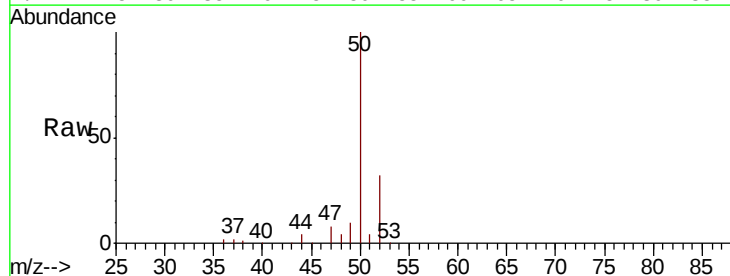
Acq: 16 Oct 2020 23:58

Tgt Ion: 50 Resp: 146605

Ion Ratio Lower Upper

50 100

52 31.9 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

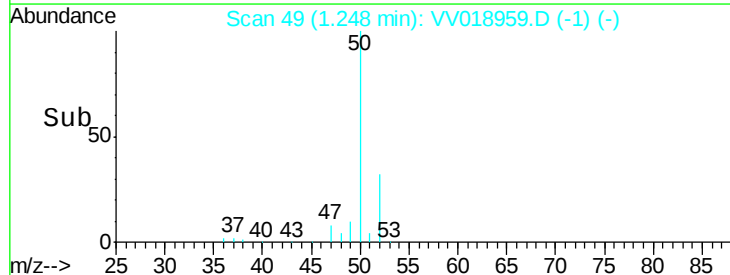
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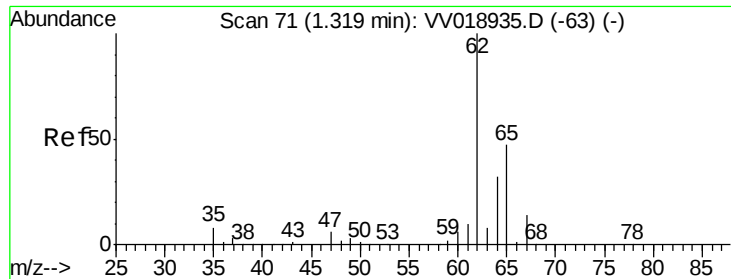
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 52.969 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

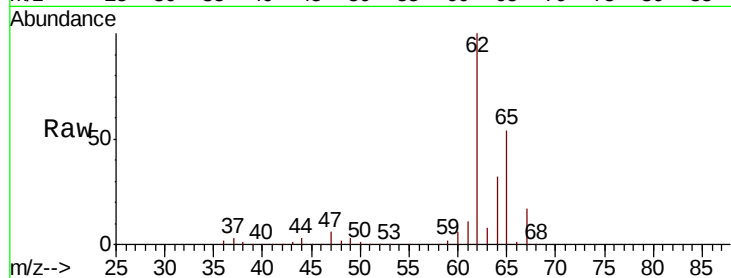
VSTD05093

Tot Ion: 62 Resp: 149073

Ion Ratio Lower Upper

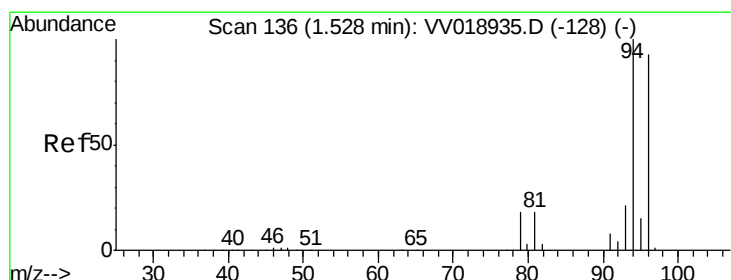
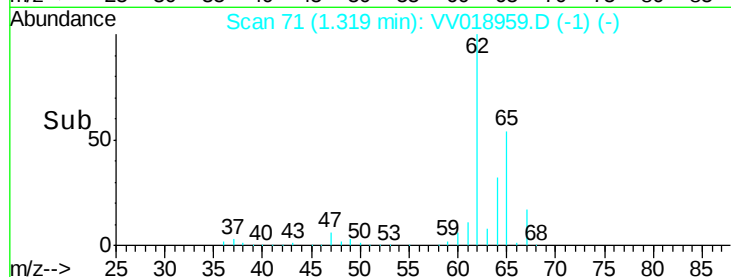
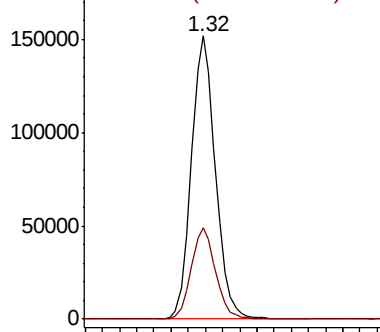
62 100

64 32.2 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.152 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018959.D

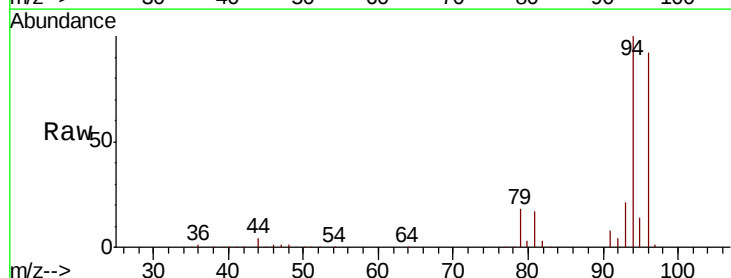
Acq: 16 Oct 2020 23:58

Tgt Ion: 94 Resp: 91267

Ion Ratio Lower Upper

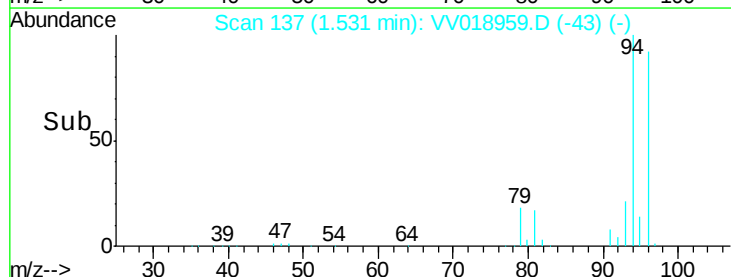
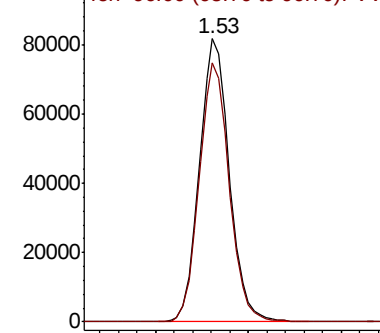
94 100

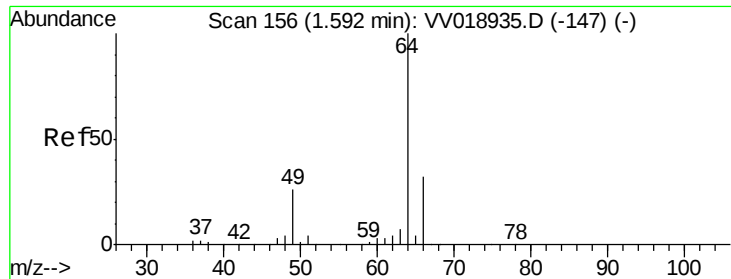
96 91.7 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

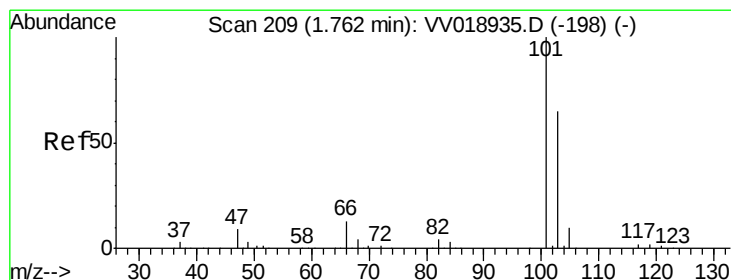
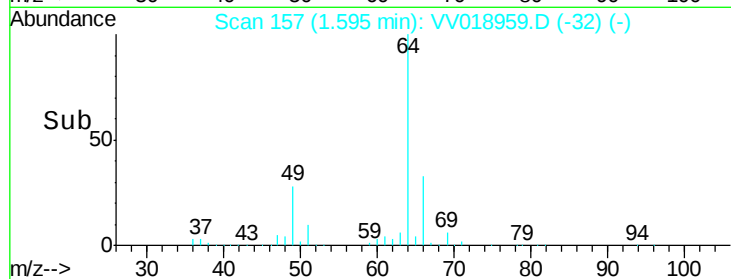
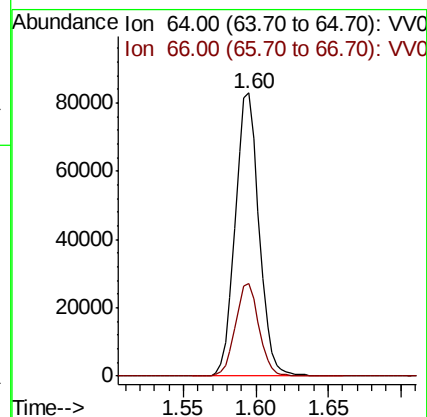
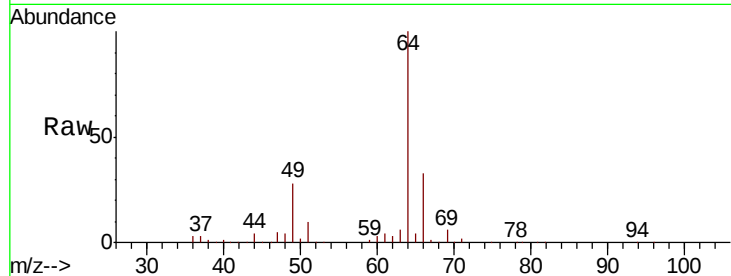




#8
Chloroethane
Concen: 55.962 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

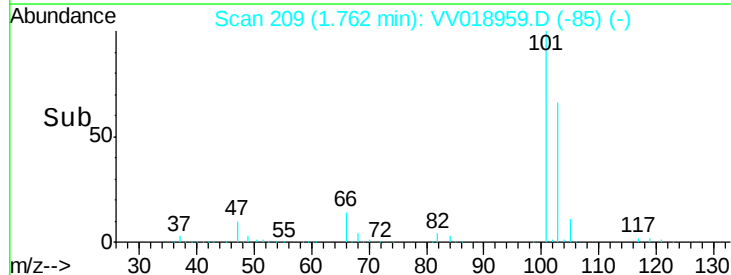
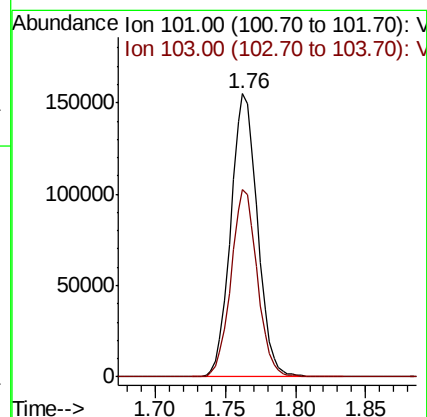
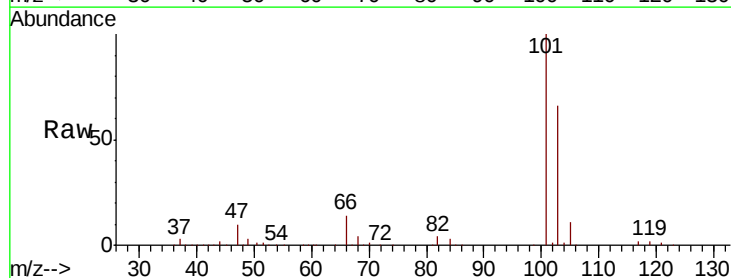
Instrument :
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VSTD05093

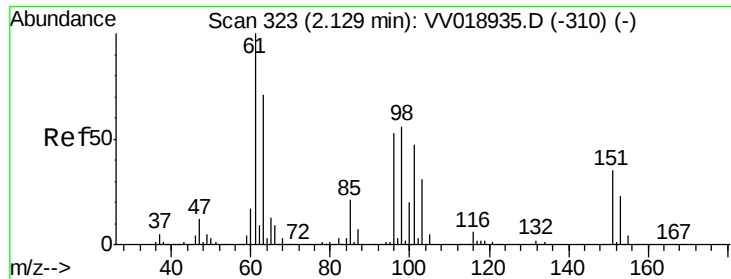
Tot Ion: 64 Resp: 94460
Ion Ratio Lower Upper
64 100
66 32.6 22.7 42.1



#9
Trichlorofluoromethane
Concen: 55.266 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Tgt Ion: 101 Resp: 205295
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9





#10

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

Concen: 57.213 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

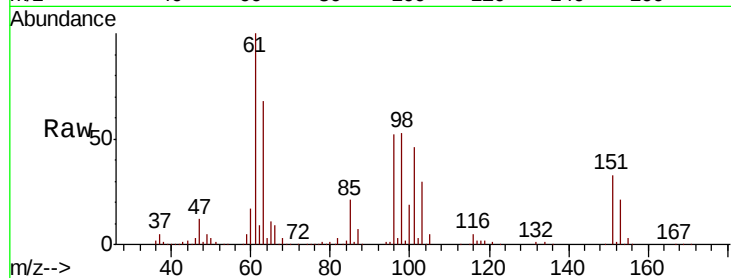
Tot Ion:101 Resp: 110668

Ion Ratio Lower Upper

101 100

85 45.2 35.0 52.4

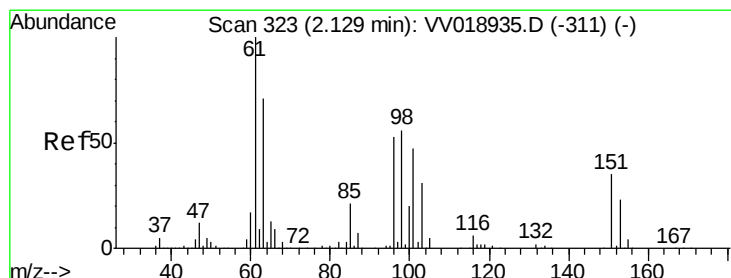
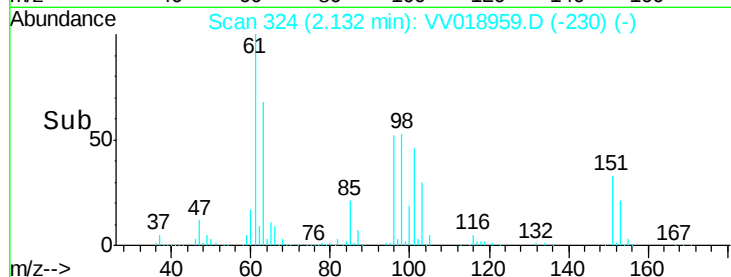
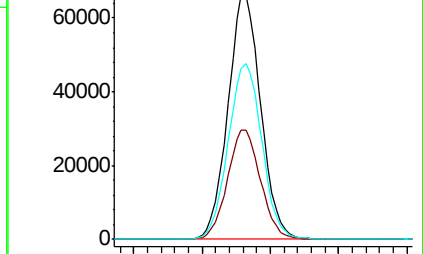
151 73.8 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV018935.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV018935.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV018935.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 56.088 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

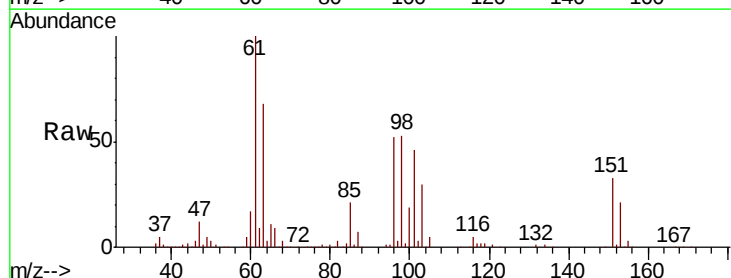
Tgt Ion: 96 Resp: 109945

Ion Ratio Lower Upper

96 100

61 190.9 133.5 247.9

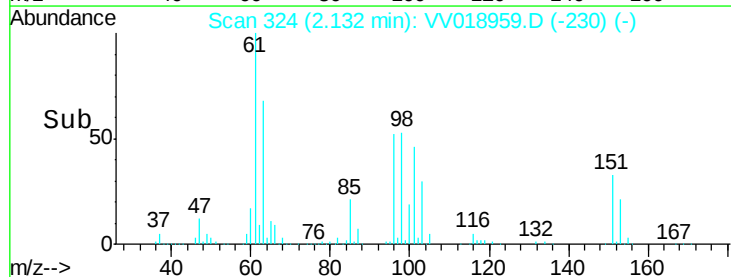
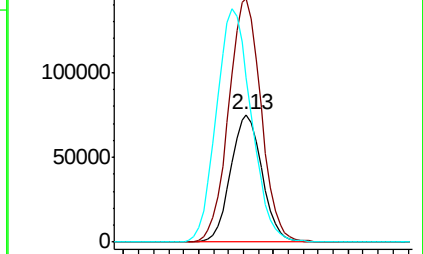
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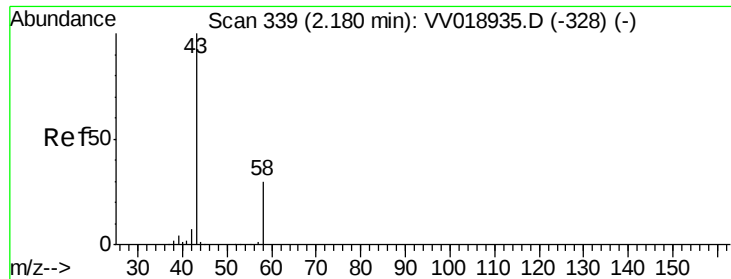


Abundance Ion 96.00 (95.70 to 96.70): VV018935.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV018935.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV018935.D (-311) (-)





#13

Acetone

Concen: 104.507 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

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ClientSampleId :

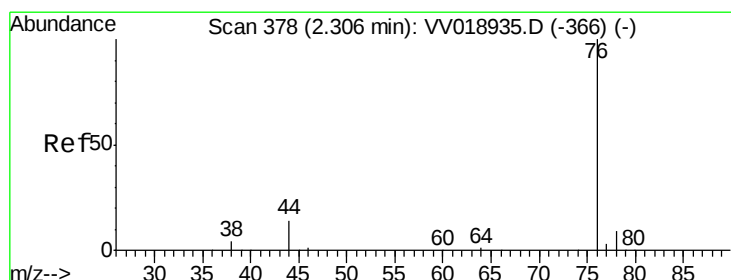
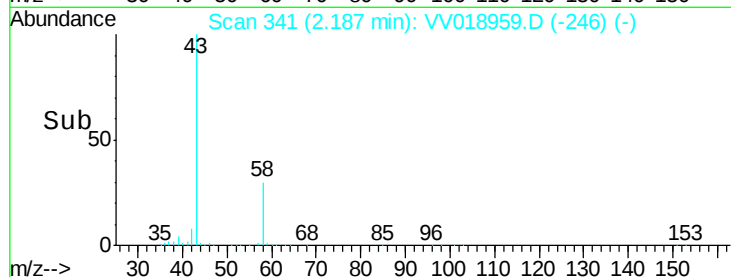
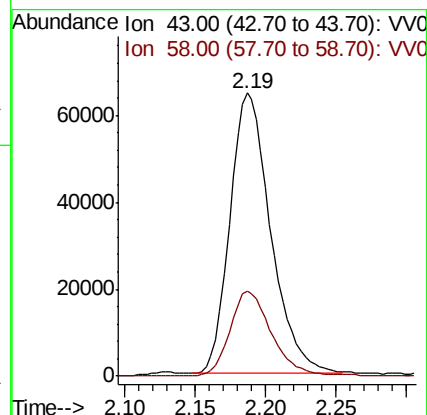
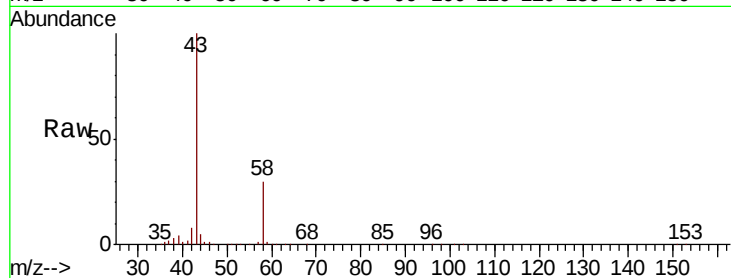
VSTD05093

Tot Ion: 43 Resp: 130648

Ion Ratio Lower Upper

43 100

58 30.3 0.0 58.8



#14

Carbon disulfide

Concen: 51.128 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018959.D

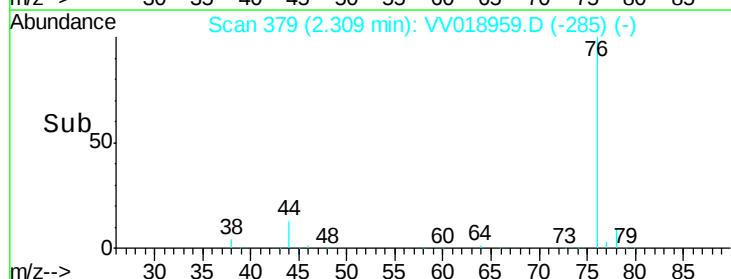
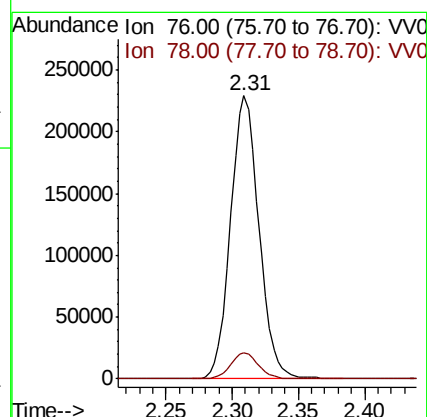
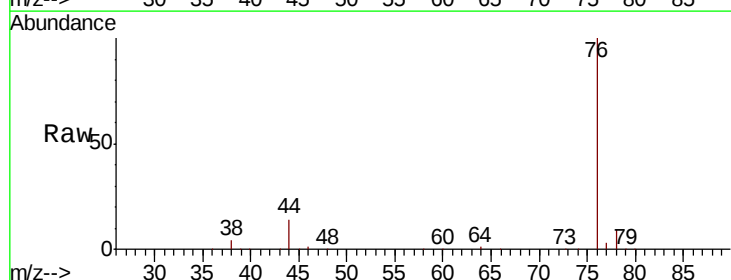
Acq: 16 Oct 2020 23:58

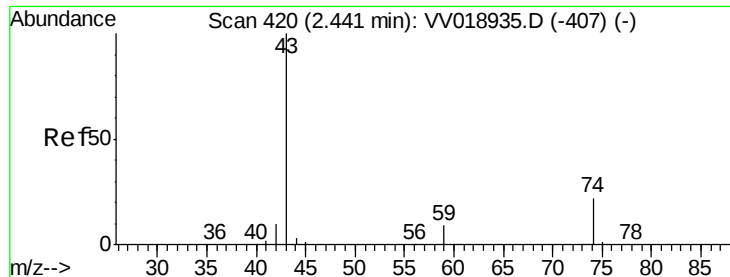
Tgt Ion: 76 Resp: 341451

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methvl Acetate

Concen: 56.406 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

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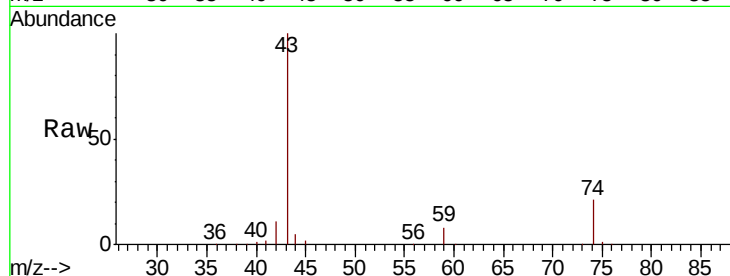
VSTD05093

Tot Ion: 43 Resp: 144855

Ion Ratio Lower Upper

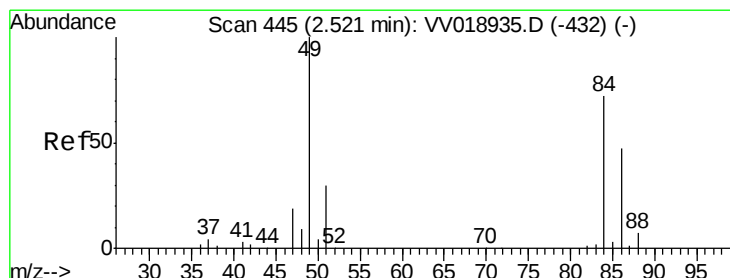
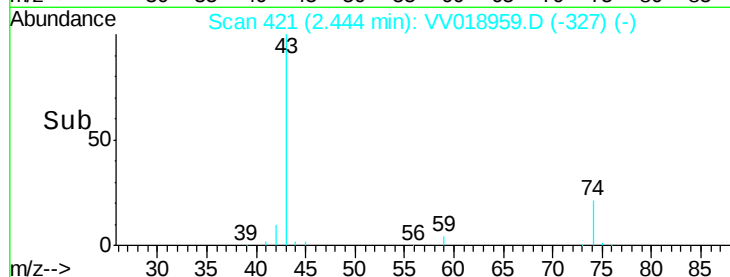
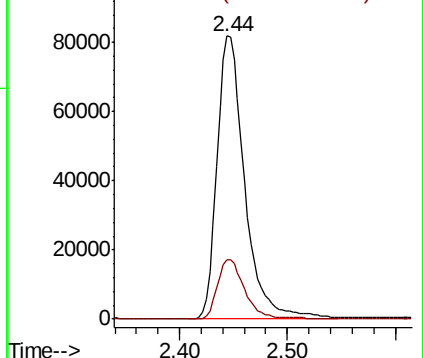
43 100

74 20.6 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 54.528 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

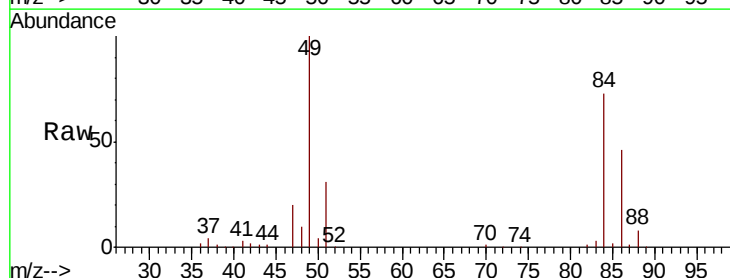
Tgt Ion: 84 Resp: 128230

Ion Ratio Lower Upper

84 100

86 63.0 46.6 86.6

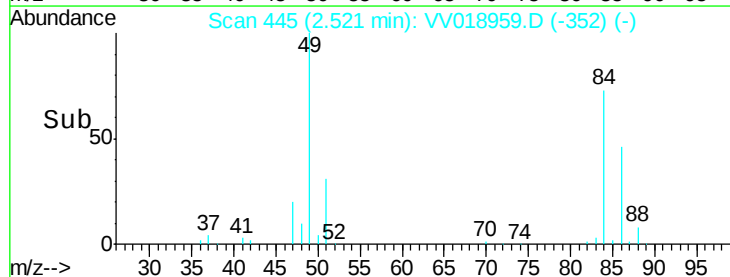
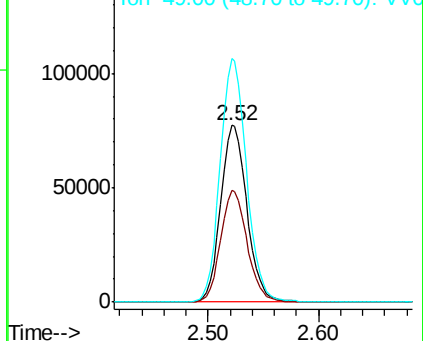
49 137.9 96.1 178.5

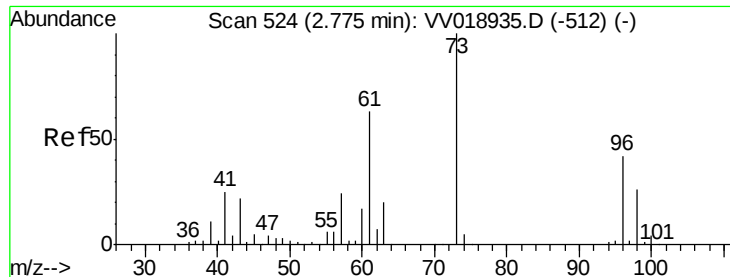


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 53.152 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

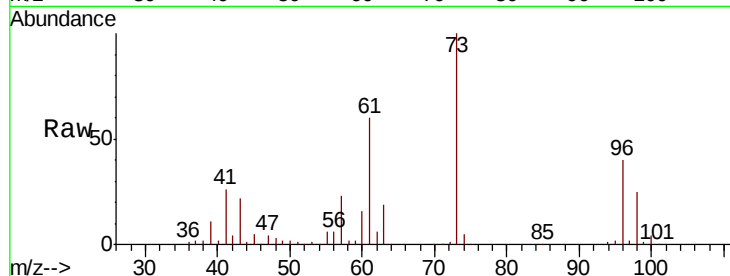
Tot Ion: 96 Resp: 115658

Ion Ratio Lower Upper

96 100

61 151.0 102.8 190.8

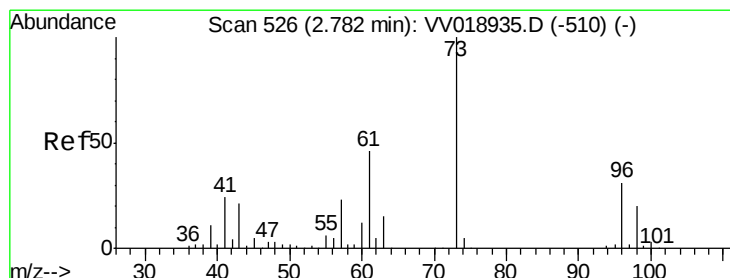
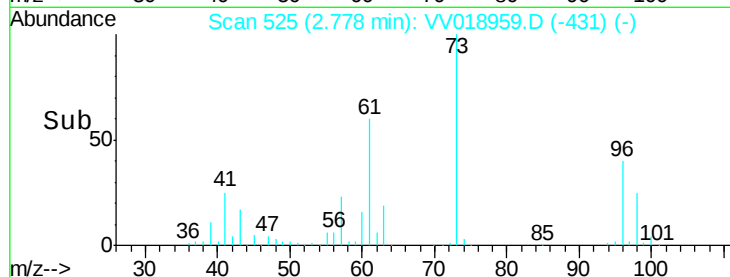
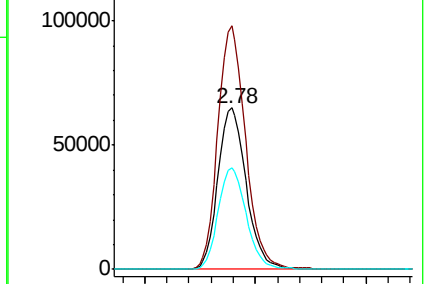
98 63.3 44.0 81.6



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: 54.127 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

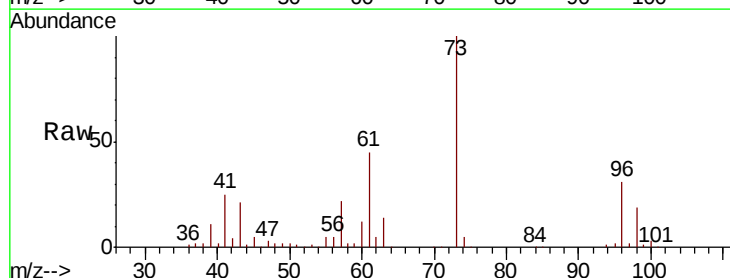
Tgt Ion: 73 Resp: 372128

Ion Ratio Lower Upper

73 100

43 21.1 16.9 25.3

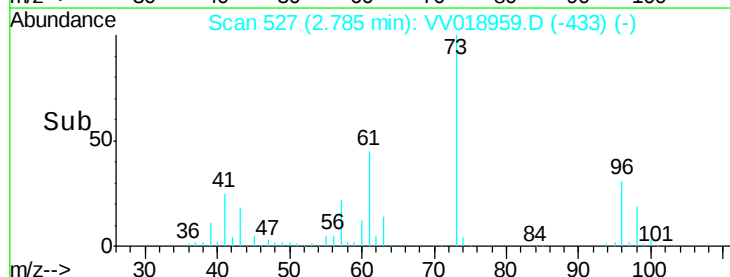
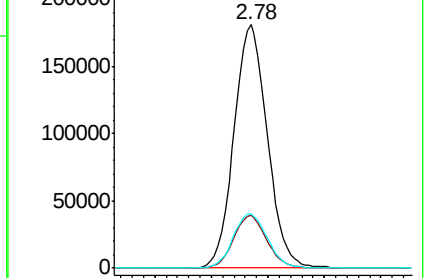
57 22.8 18.3 27.5

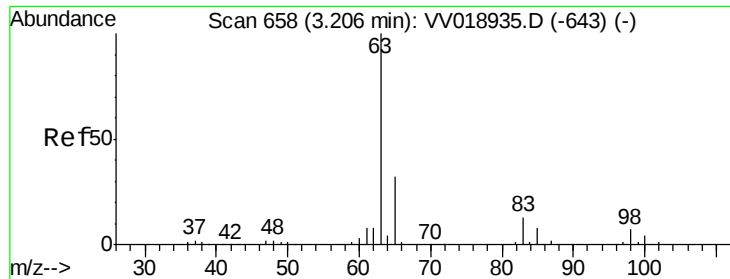


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

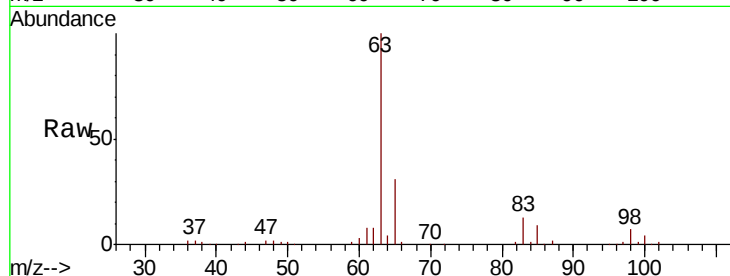




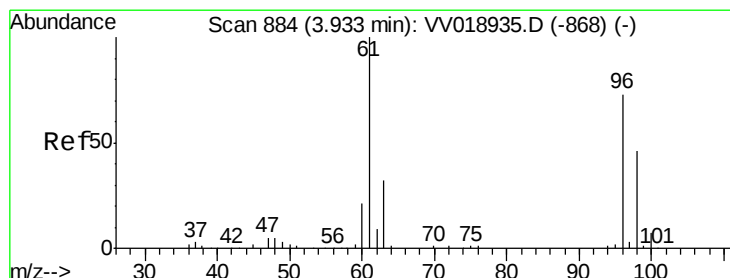
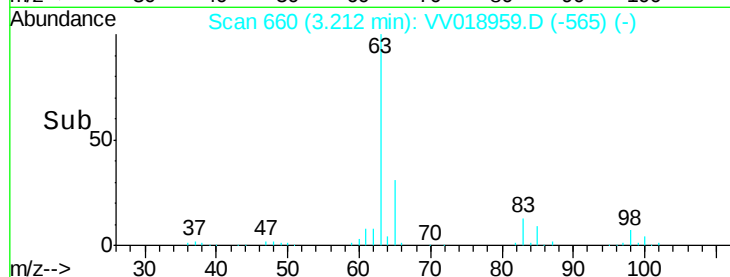
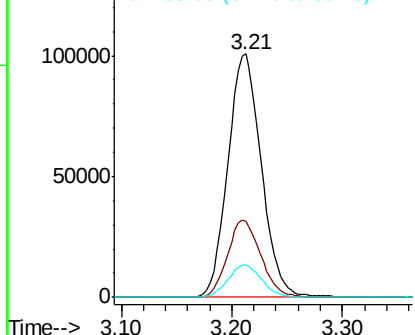
#19
 1,1-Dichloroethane
 Concen: 50.049 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Tot Ion: 63 Resp: 211874
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.5 41.9
 83 13.3 9.3 17.3

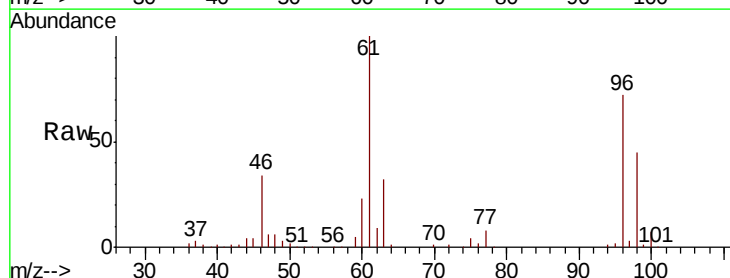


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

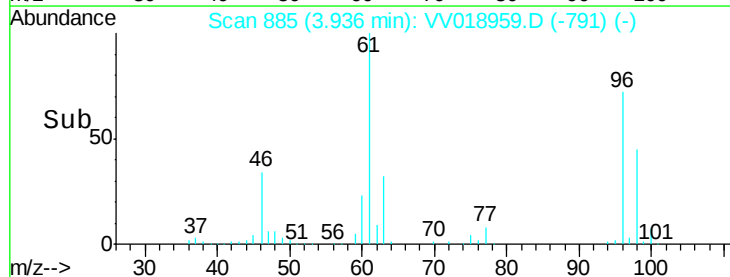
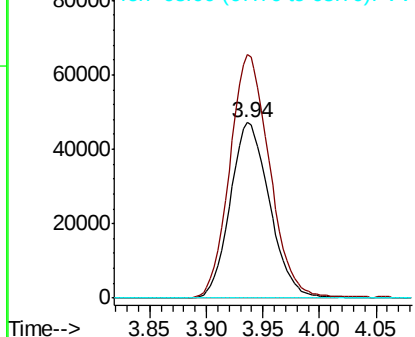


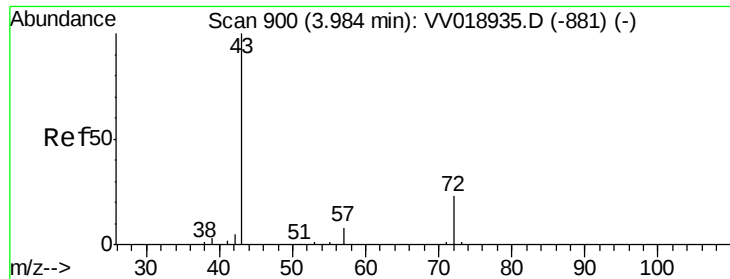
#20
 cis-1,2-Dichloroethene
 Concen: 49.558 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Tgt Ion: 96 Resp: 114294
 Ion Ratio Lower Upper
 96 100
 61 138.7 96.1 178.5
 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: 103.537 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.01 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

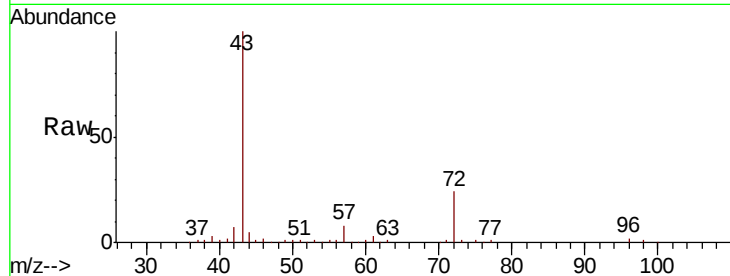
VSTD05093

Tot Ion: 43 Resp: 175989

Ion Ratio Lower Upper

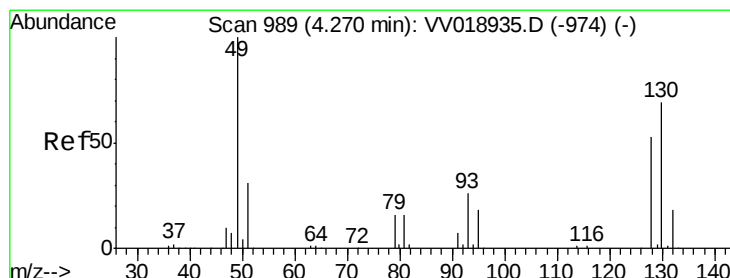
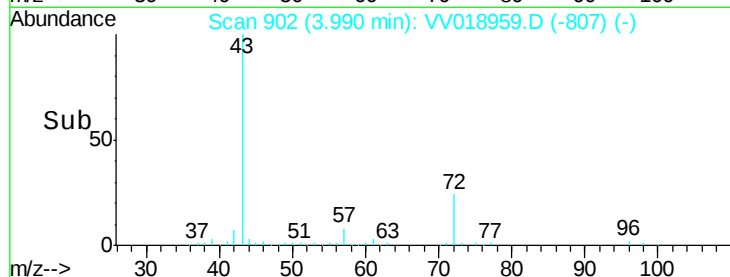
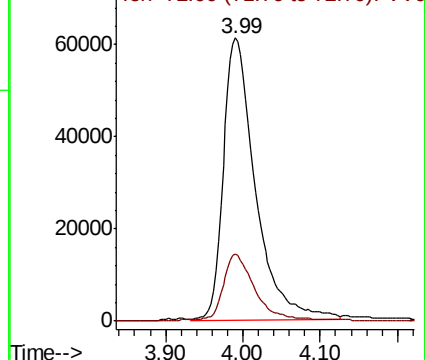
43 100

72 21.6 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018935.D (-881) (-)

Ion 72.00 (71.70 to 72.70): VV018935.D (-881) (-)



#23

Bromochloromethane

Concen: 49.838 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Tgt Ion:128 Resp: 59361

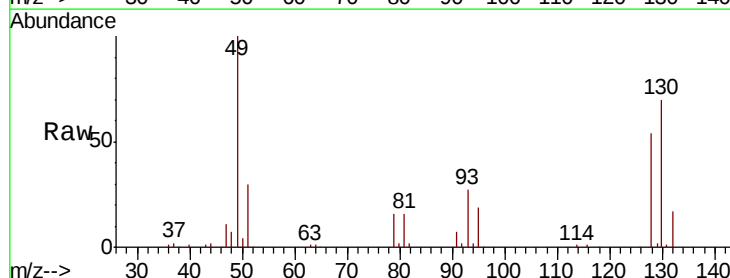
Ion Ratio Lower Upper

128 100

49 186.5 131.7 244.7

130 130.0 92.8 172.4

51 56.5 47.8 71.6

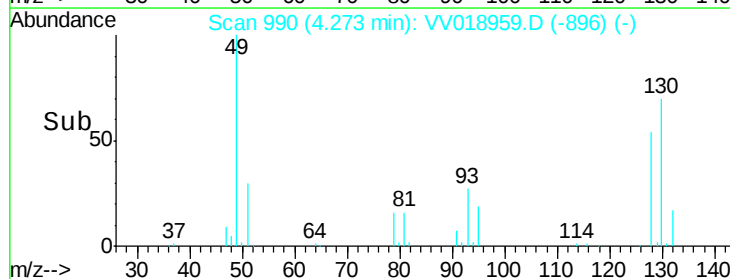
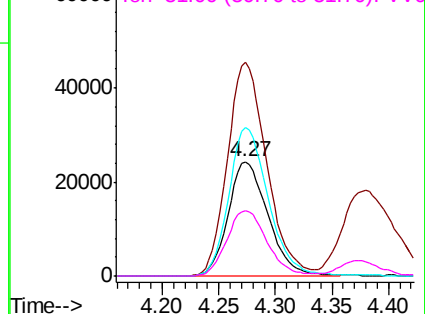


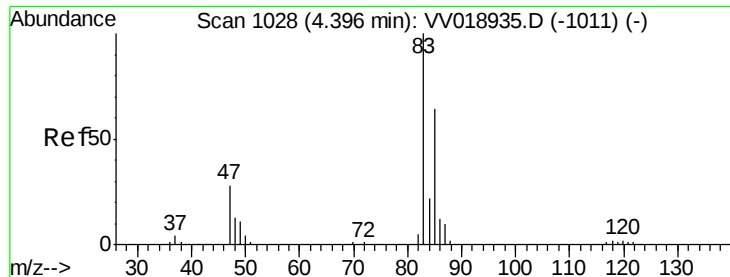
Abundance Ion 128.00 (127.70 to 128.70): VV018935.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV018935.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV018935.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV018935.D (-974) (-)

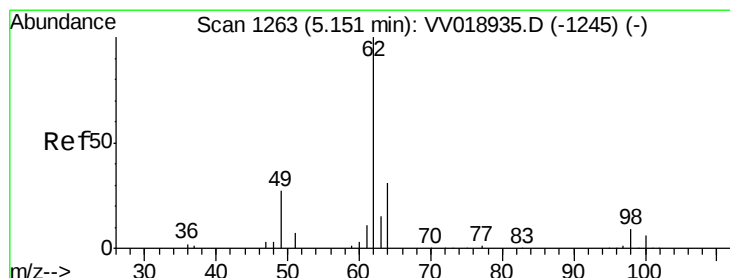
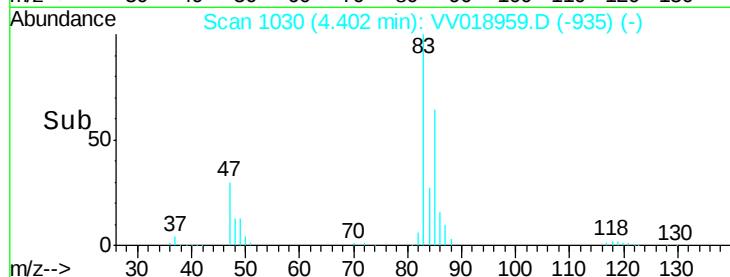
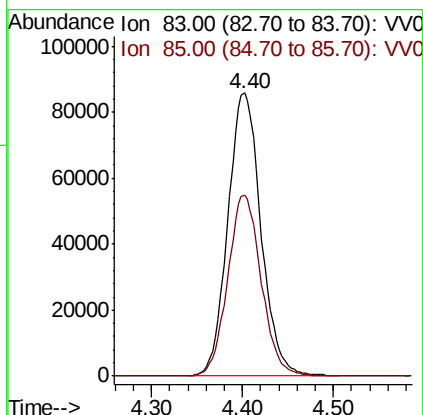
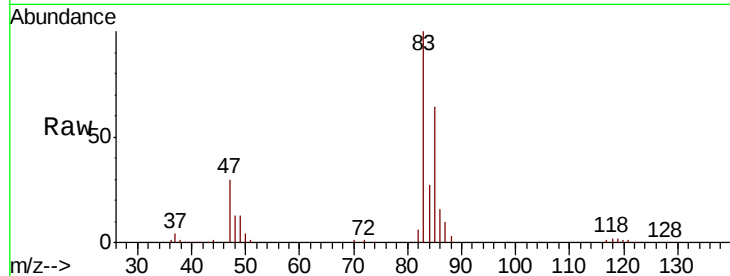




#25
Chloroform
Concen: 50.967 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

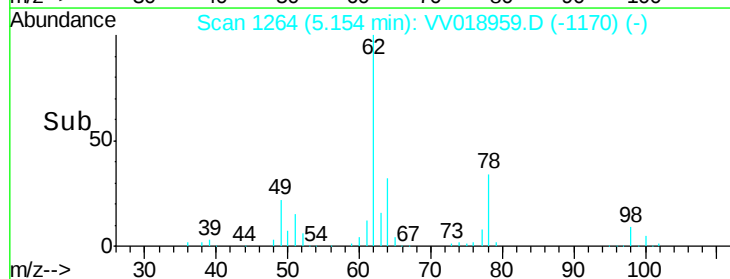
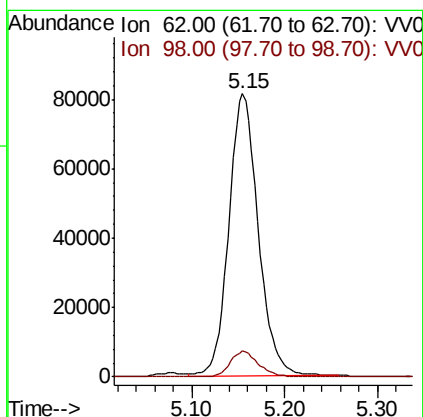
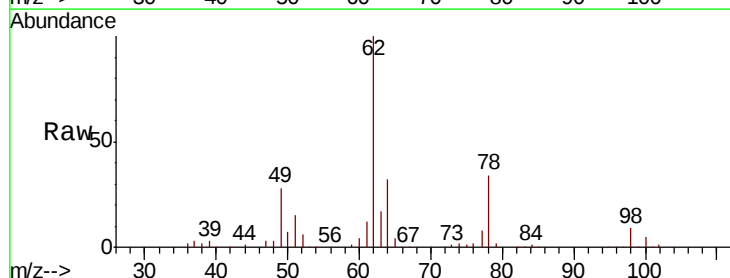
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

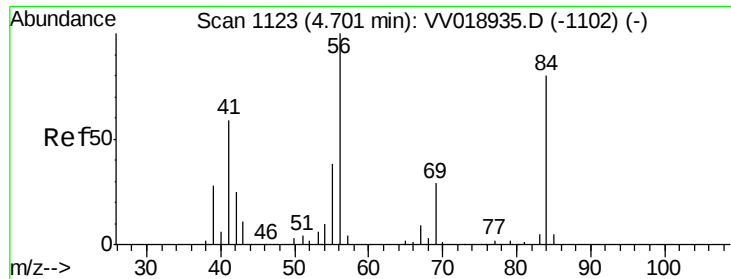
Tot Ion: 83 Resp: 216961
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 51.741 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Tgt Ion: 62 Resp: 179926
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

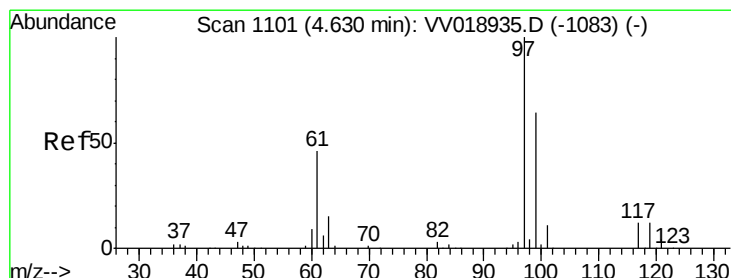
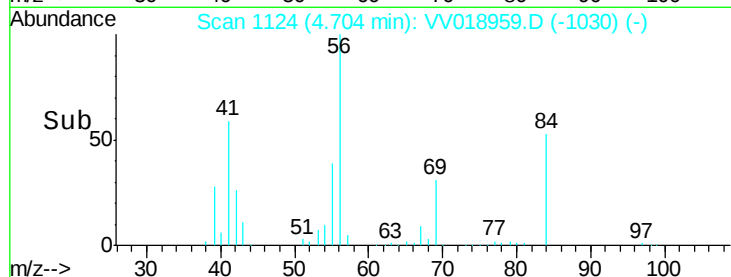
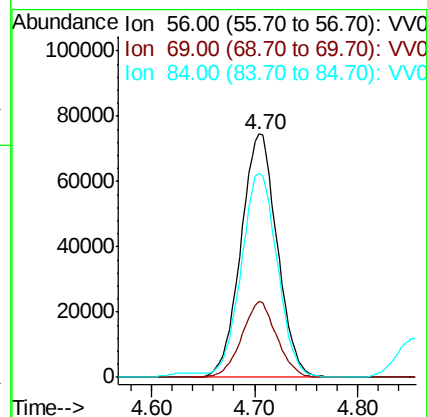
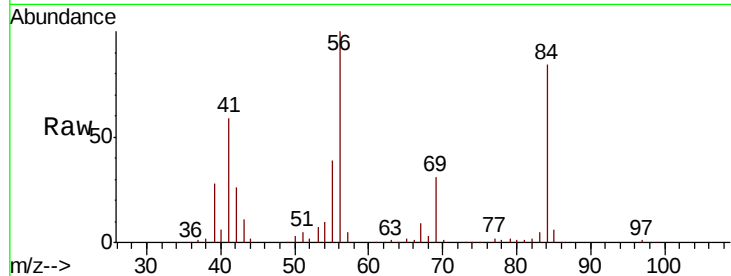




#29
Cyclohexane
Concen: 51.690 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

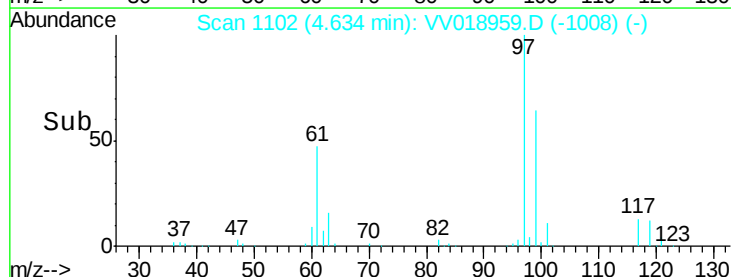
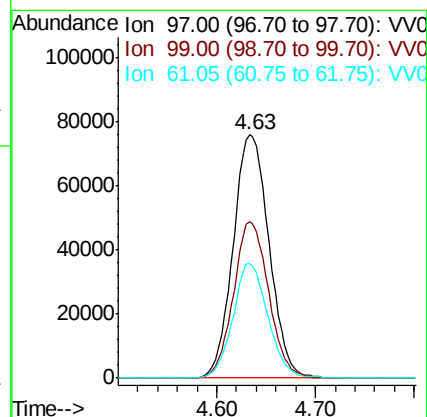
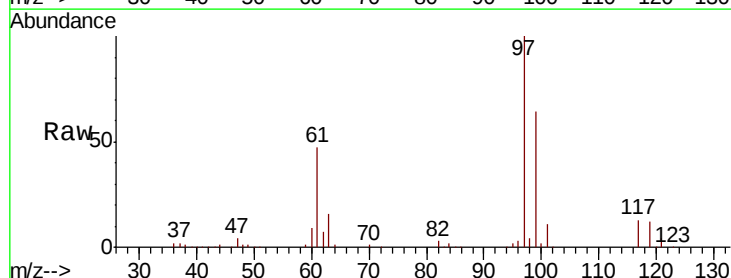
Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

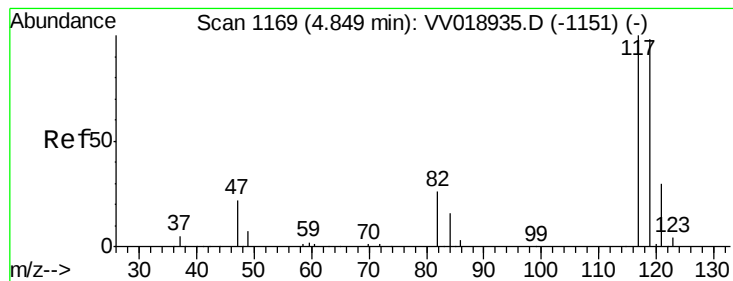
Tot Ion: 56 Resp: 182369
Ion Ratio Lower Upper
56 100
69 30.0 23.5 35.3
84 83.8 64.7 97.1



#30
1,1,1-Trichloroethane
Concen: 52.276 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Tgt Ion: 97 Resp: 192574
Ion Ratio Lower Upper
97 100
99 63.2 51.2 76.8
61 46.1 37.5 56.3





#31

Carbon tetrachloride

Concen: 53.081 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

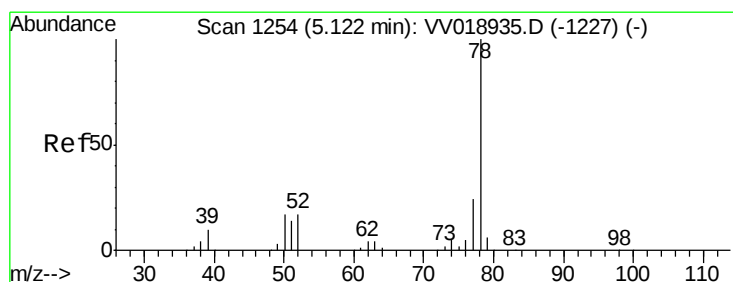
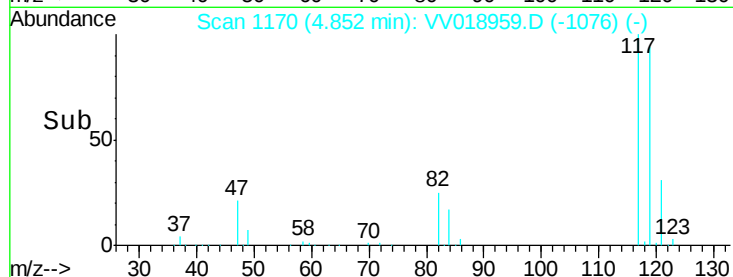
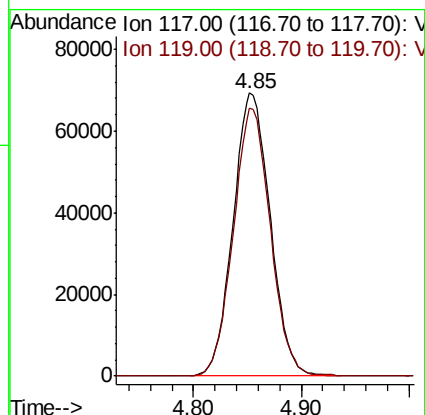
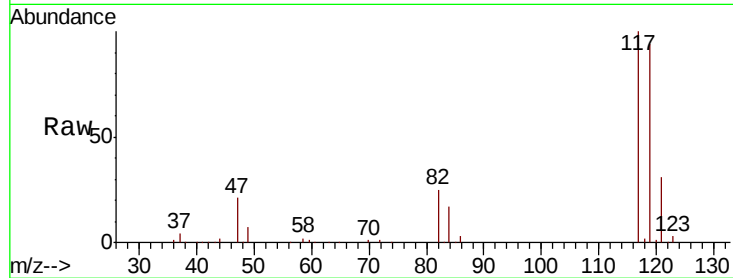
VSTD05093

Tot Ion:117 Resp: 166426

Ion Ratio Lower Upper

117 100

119 94.3 76.9 115.3



#33

Benzene

Concen: 50.247 ug/L

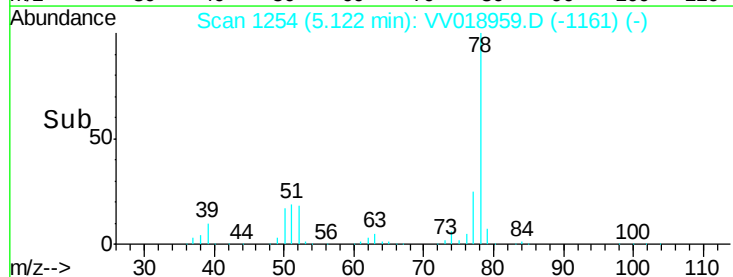
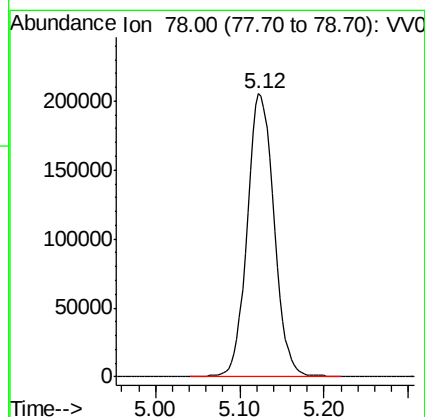
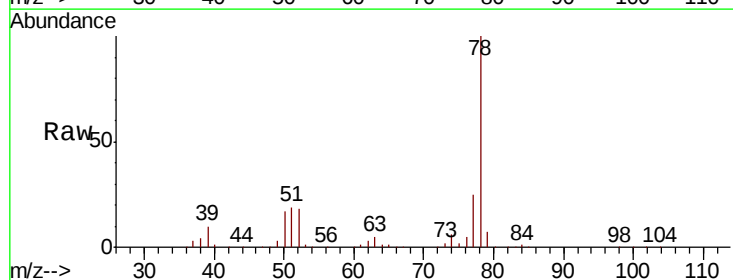
RT: 5.12 min Scan# 1254

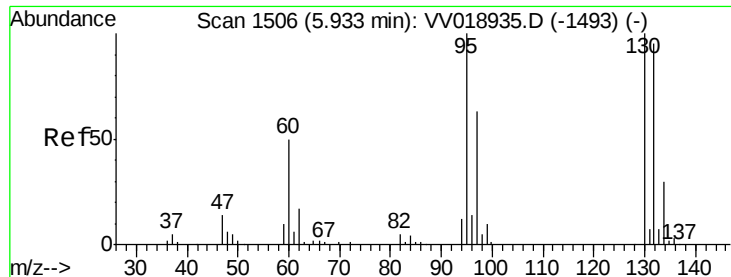
Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Tgt Ion: 78 Resp: 457277

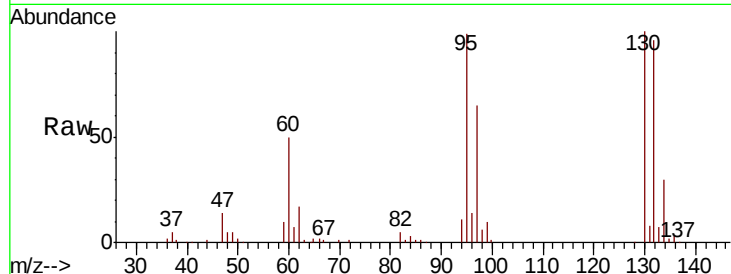




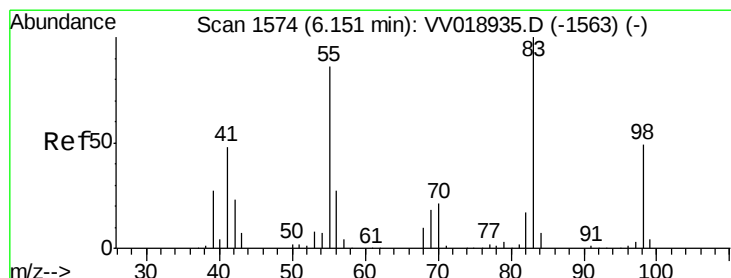
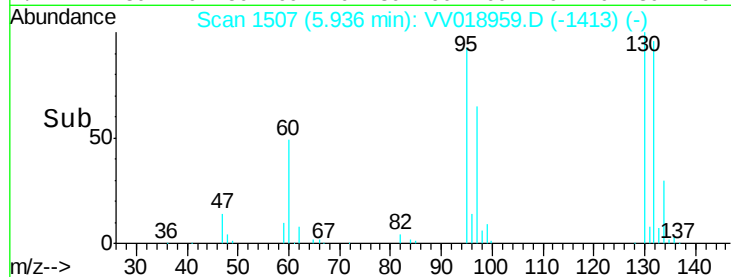
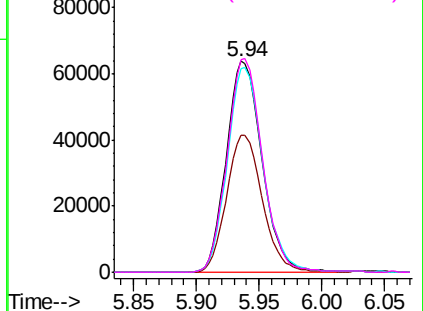
#34
 Trichloroethene
 Concen: 48.092 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

Tot Ion: 95 Resp: 126213
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.7 82.9
 132 96.1 67.0 124.4
 130 100.6 70.8 131.6

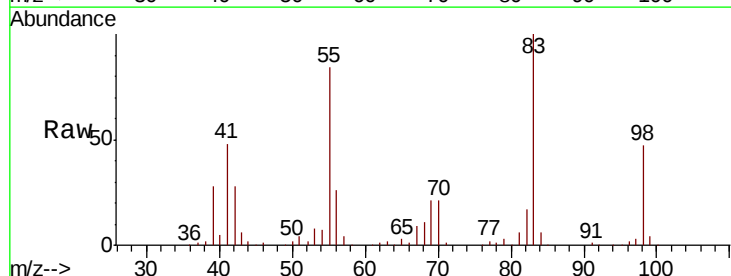


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

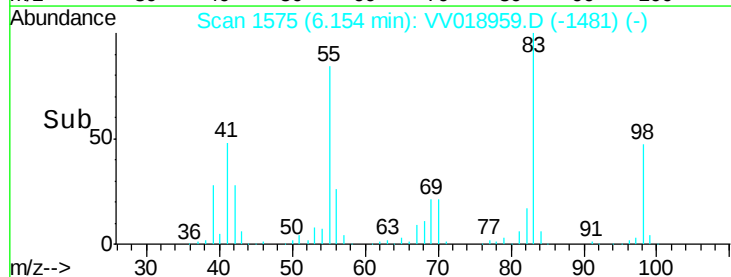
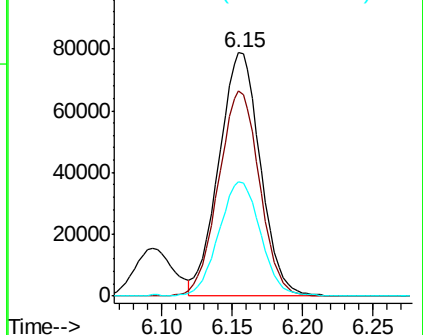


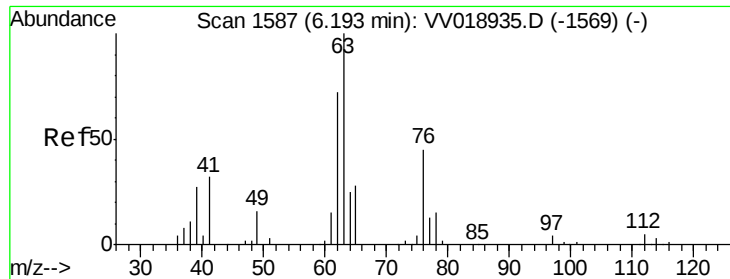
#35
 Methylcyclohexane
 Concen: 50.555 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Tgt Ion: 83 Resp: 160687
 Ion Ratio Lower Upper
 83 100
 55 83.6 67.3 100.9
 98 47.6 37.9 56.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

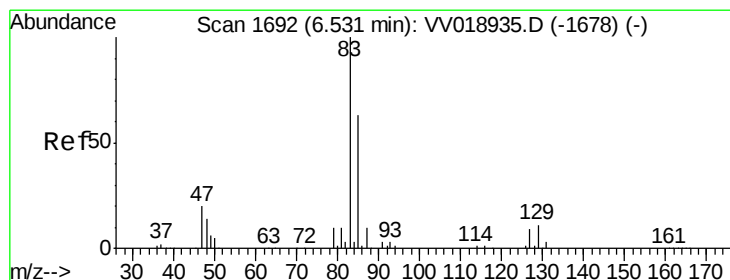
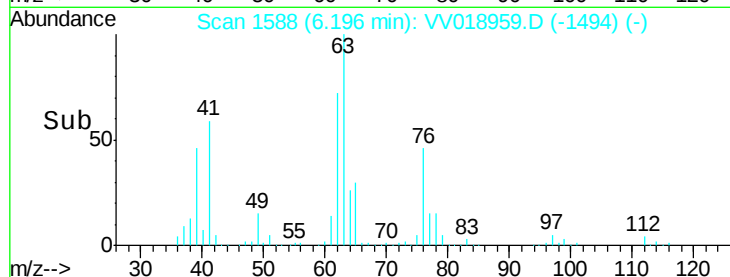
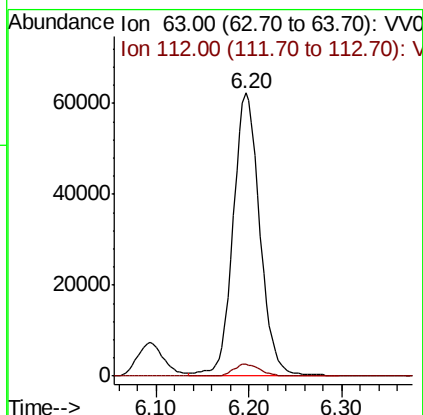
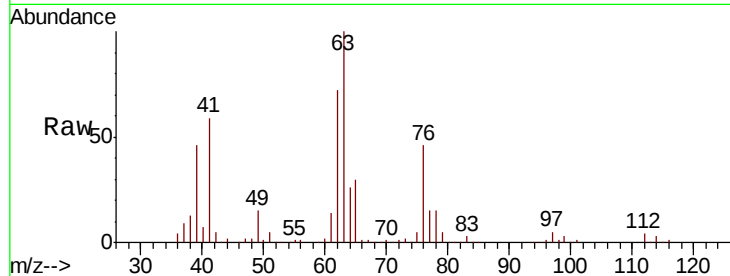




#37
 1,2-Dichloropropane
 Concen: 51.110 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

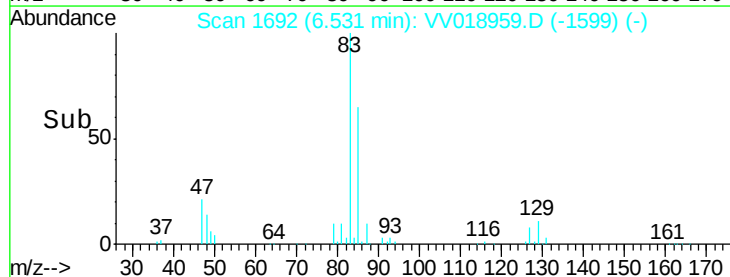
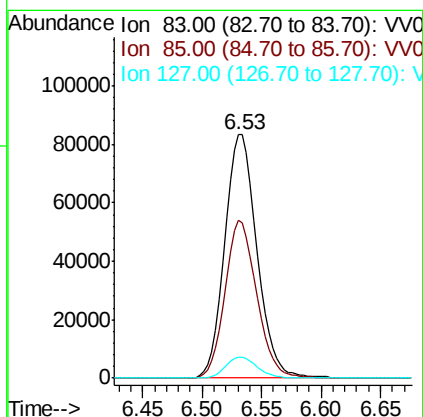
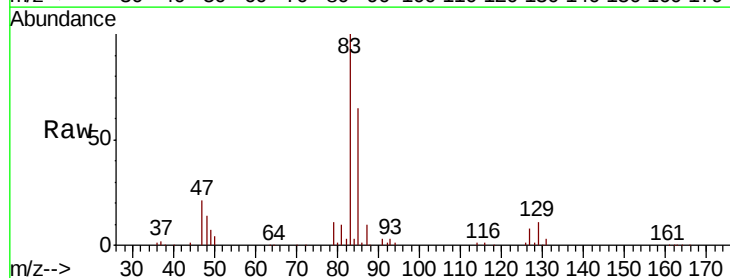
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

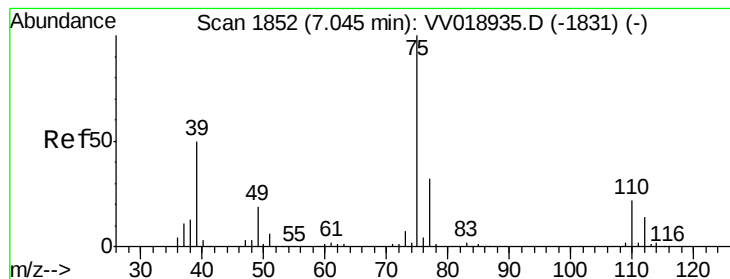
Tot Ion: 63 Resp: 124516
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 50.114 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Tgt Ion: 83 Resp: 156531
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.7 83.1
 127 8.4 6.6 9.8



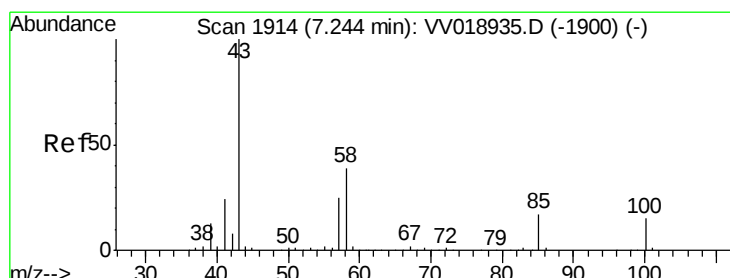
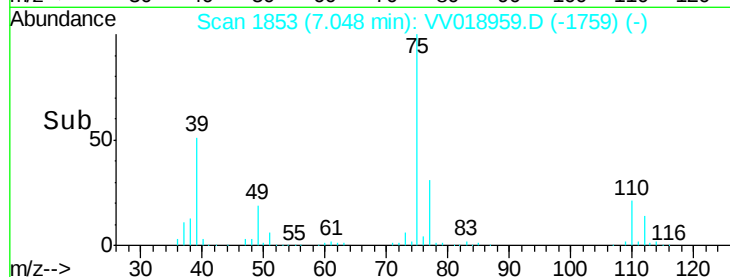
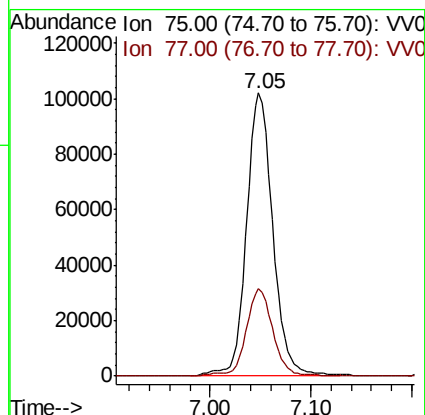
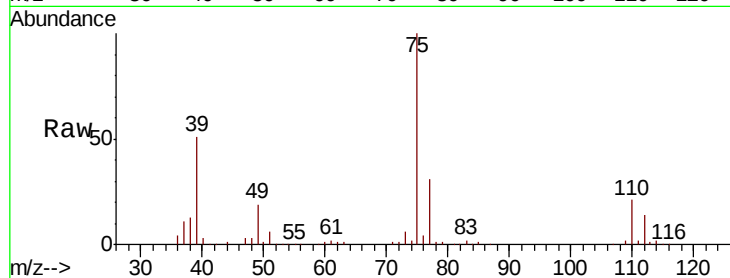


#39

cis-1,3-Dichloropropene
Concen: 50.276 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

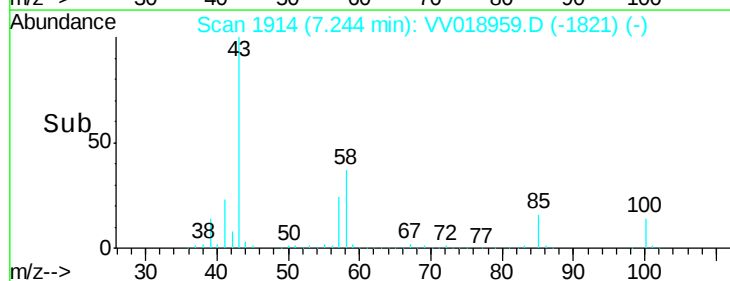
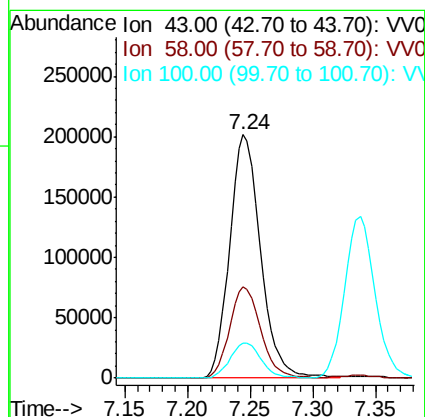
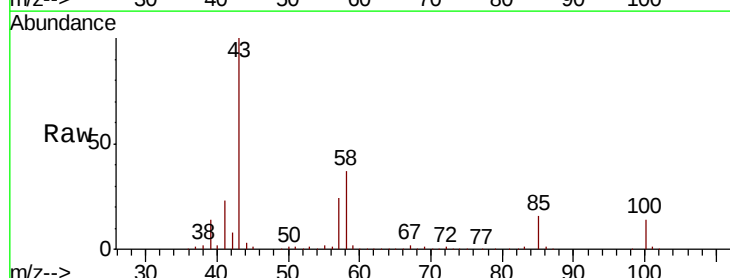
Tot Ion: 75 Resp: 184047
Ion Ratio Lower Upper
75 100
77 31.0 22.5 41.9

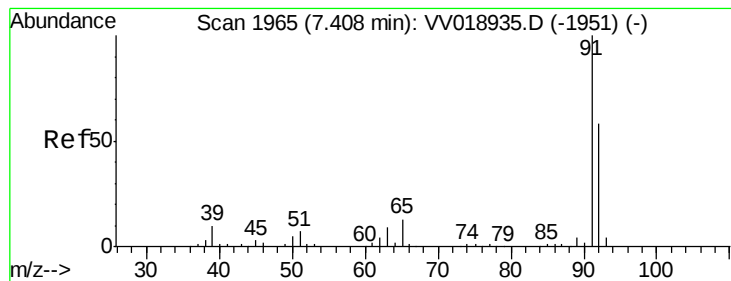


#40

4-Methyl-2-pentanone
Concen: 102.798 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Tgt Ion: 43 Resp: 345371
Ion Ratio Lower Upper
43 100
58 37.7 30.5 45.7
100 14.6 11.1 16.7





#42

Toluene

Concen: 51.937 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

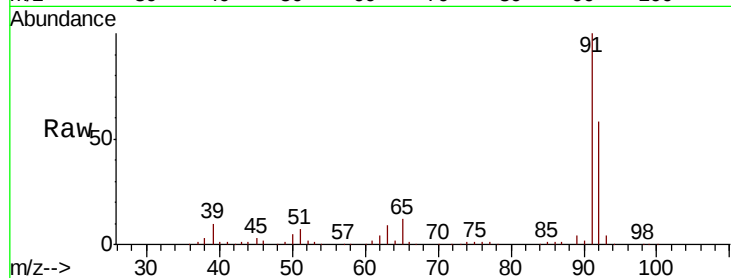
VSTD05093

Tot Ion: 91 Resp: 488175

Ion Ratio Lower Upper

91 100

92 57.7 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

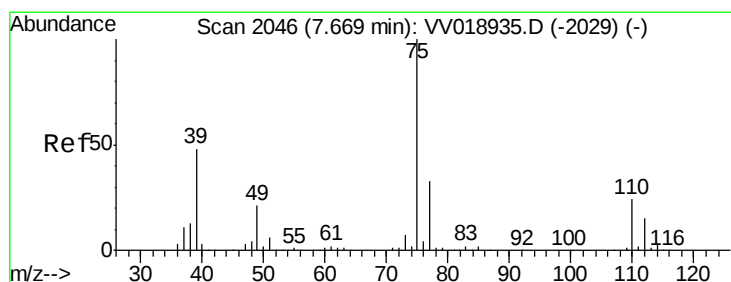
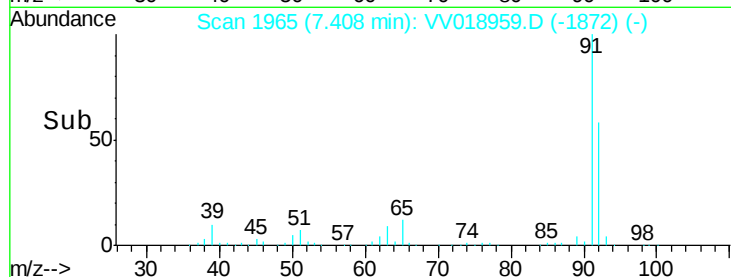
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 51.001 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018959.D

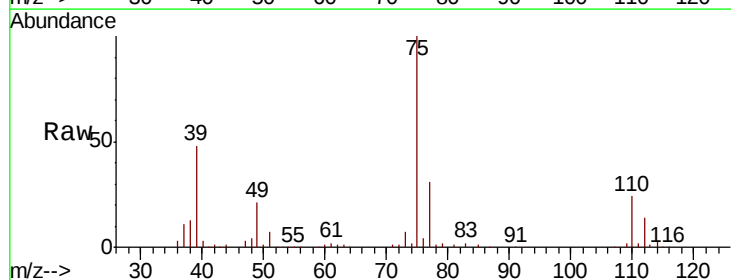
Acq: 16 Oct 2020 23:58

Tgt Ion: 75 Resp: 180923

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

120000

100000

80000

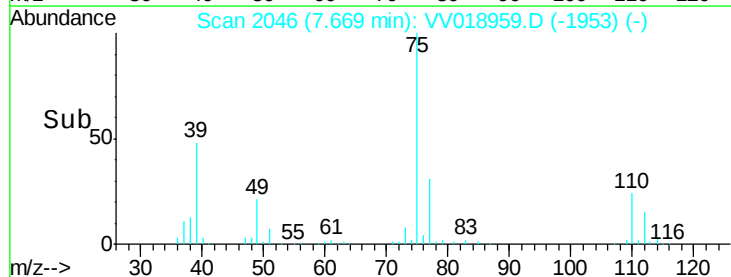
60000

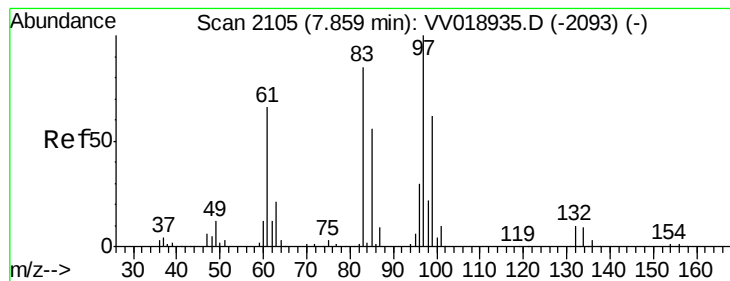
40000

20000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 48.749 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

Tot Ion: 97 Resp: 110471

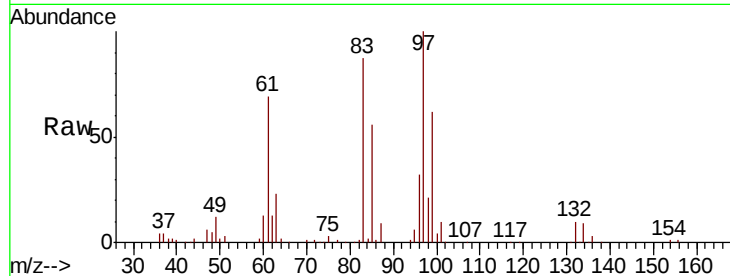
Ion Ratio Lower Upper

97 100

99 61.6 43.8 81.4

83 86.7 61.0 113.4

85 55.9 38.9 72.2

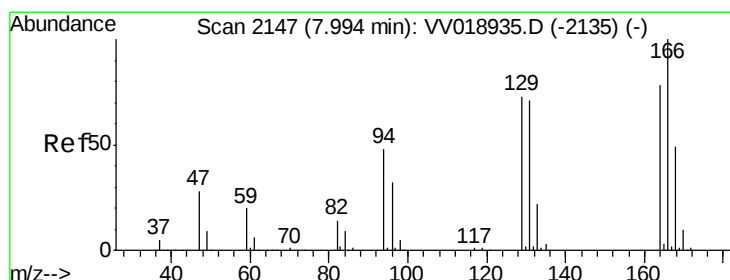
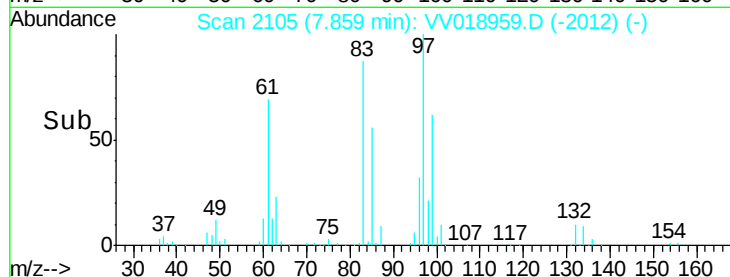
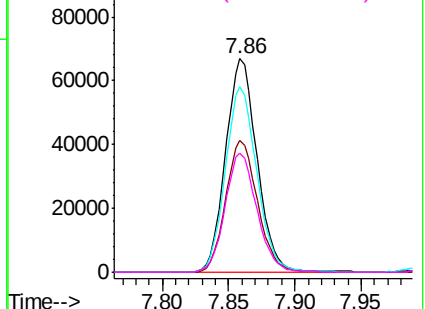


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 50.098 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Tgt Ion: 164 Resp: 92659

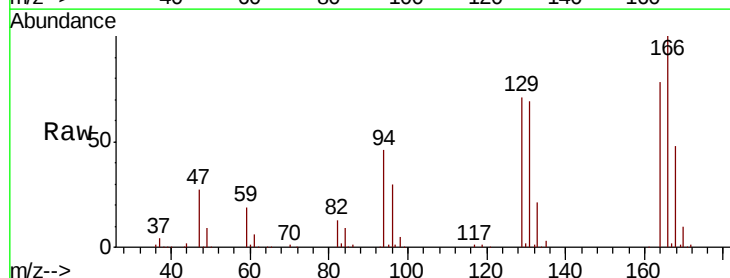
Ion Ratio Lower Upper

164 100

129 91.5 65.0 120.8

131 88.4 62.9 116.7

166 128.9 91.1 169.3

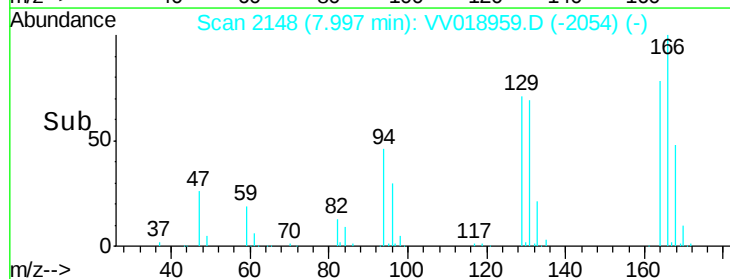
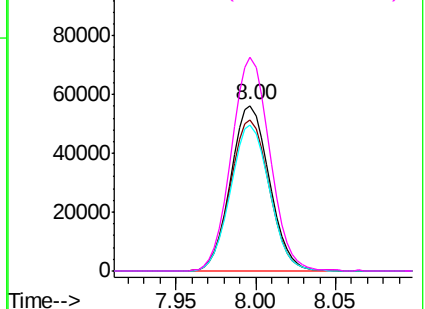


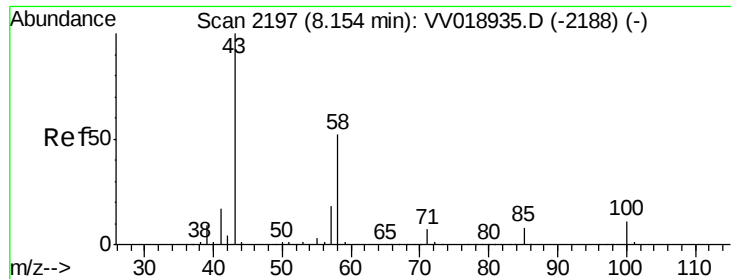
Abundance Ion 164.00 (163.70 to 164.70): V

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

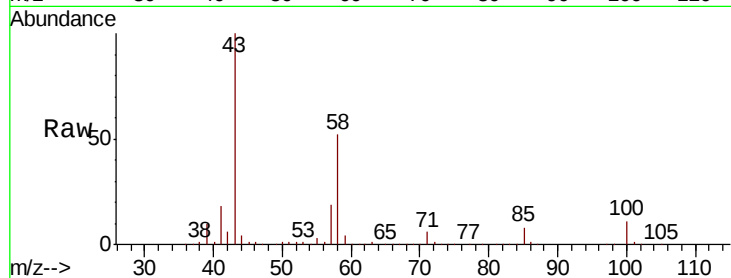




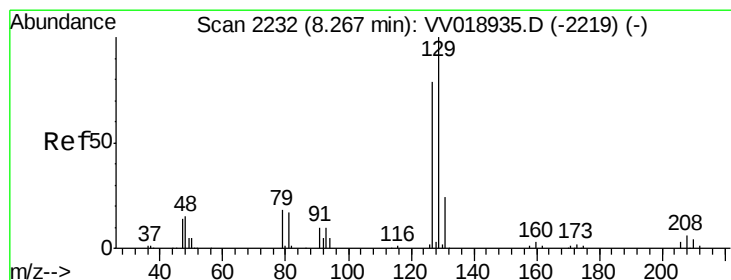
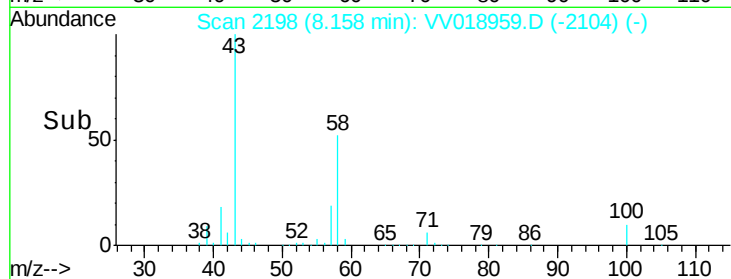
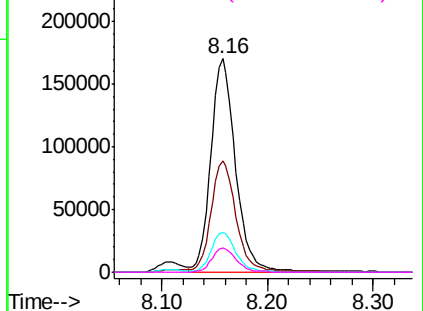
#48
2-Hexanone
Concen: 104.142 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05093

Tot Ion: 43 Resp: 277418
Ion Ratio Lower Upper
43 100
58 51.6 42.5 63.7
57 18.6 14.5 21.7
100 11.3 9.0 13.4

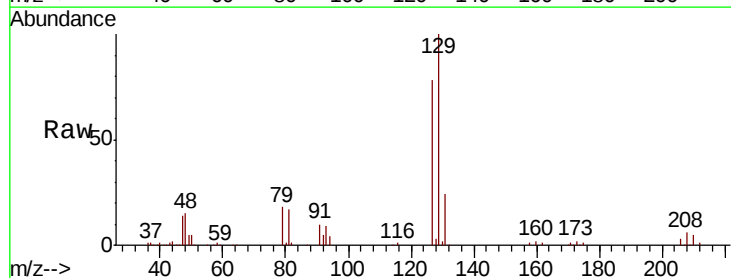


Abundance Ion 43.00 (42.70 to 43.70): VV018935.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018935.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018935.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018935.D (-2188) (-)

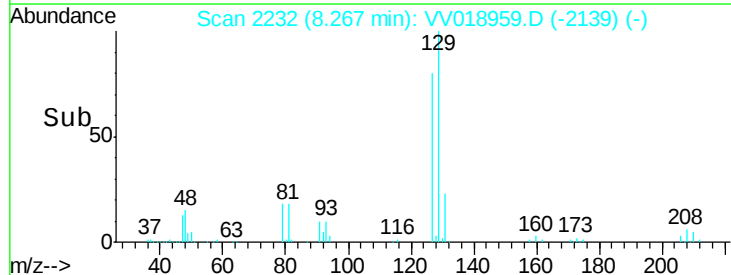
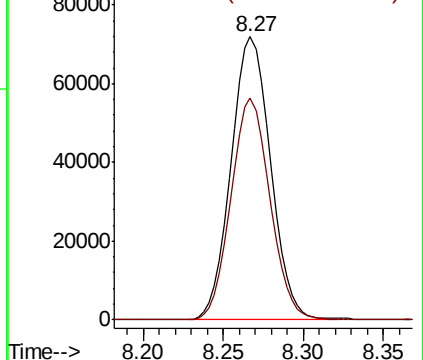


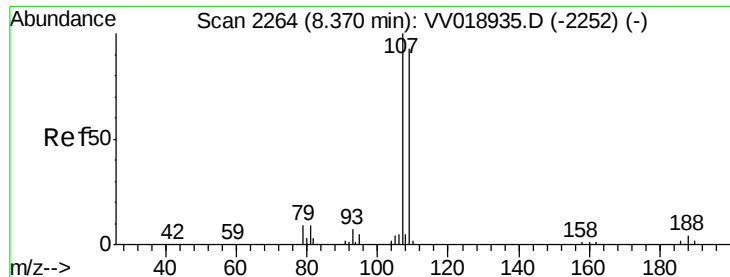
#49
Dibromochloromethane
Concen: 50.548 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018959.D
Acq: 16 Oct 2020 23:58

Tgt Ion: 129 Resp: 121273
Ion Ratio Lower Upper
129 100
127 78.2 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV018935.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018935.D (-2219) (-)

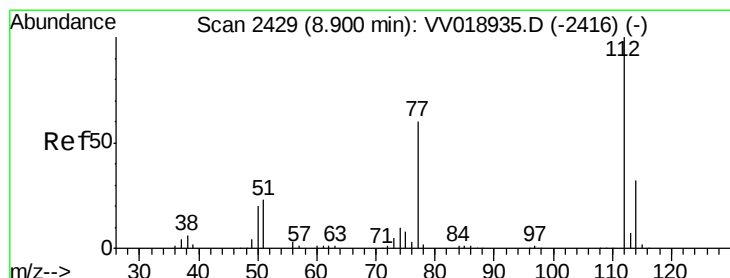
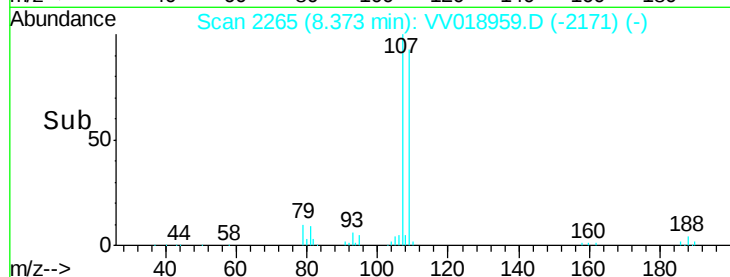
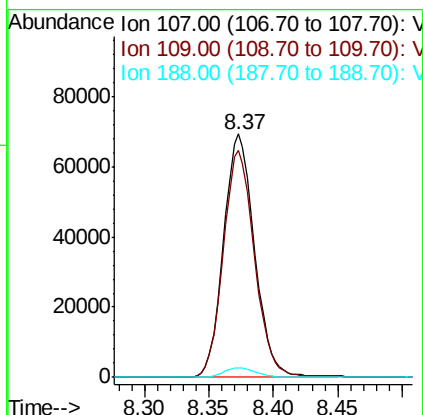
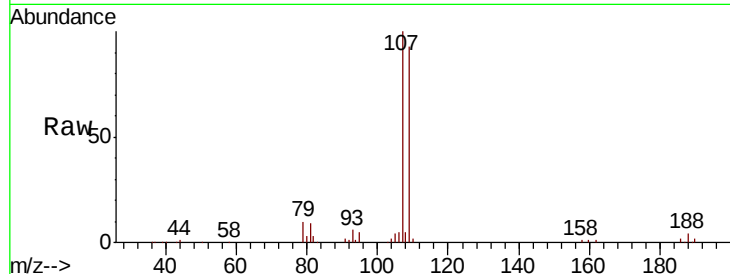




#50
 1,2-Dibromoethane
 Concen: 49.021 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

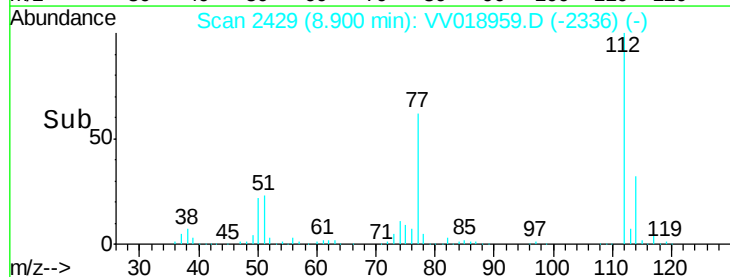
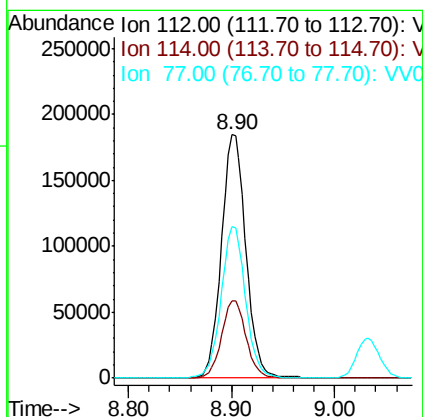
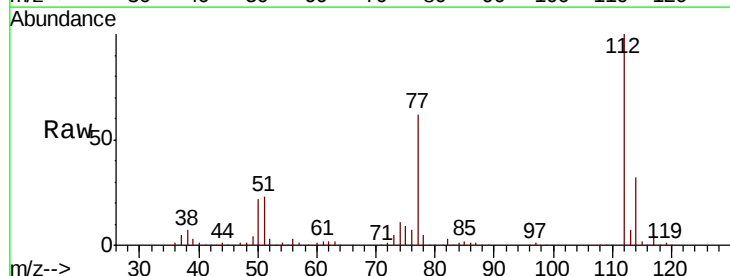
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

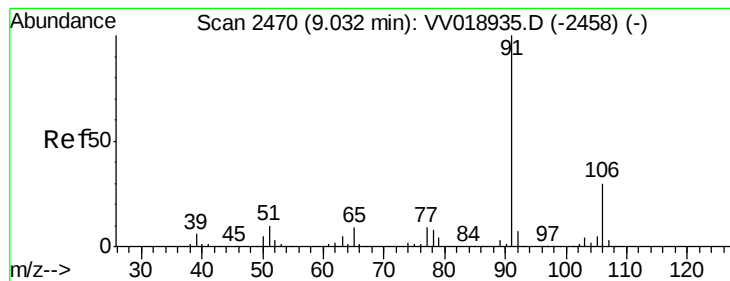
Tot Ion:107 Resp: 115771
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.8 122.2
 188 3.8 3.2 4.8



#51
 Chlorobenzene
 Concen: 49.859 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Tgt Ion:112 Resp: 305539
 Ion Ratio Lower Upper
 112 100
 114 31.8 21.8 40.6
 77 62.2 49.2 73.8





#52

Ethylbenzene

Concen: 52.322 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

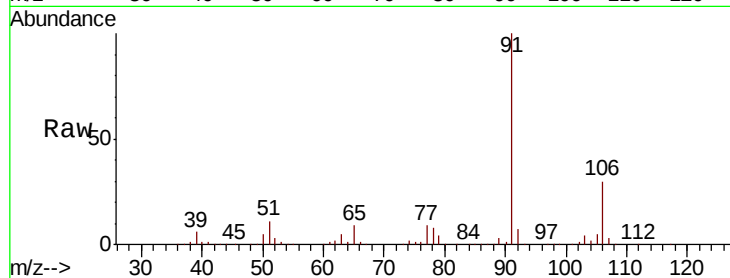
VSTD05093

Tot Ion: 91 Resp: 532387

Ion Ratio Lower Upper

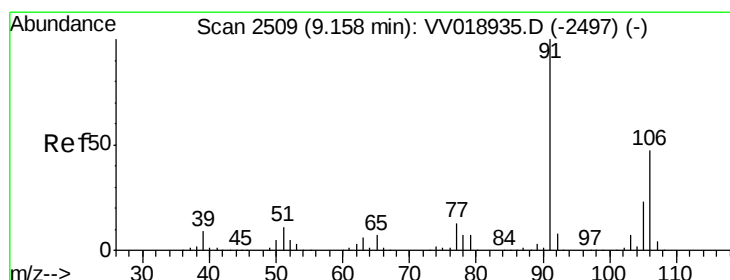
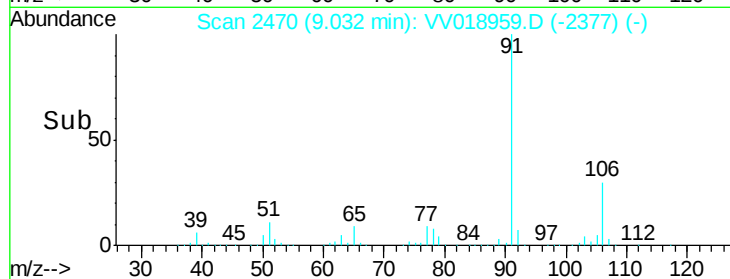
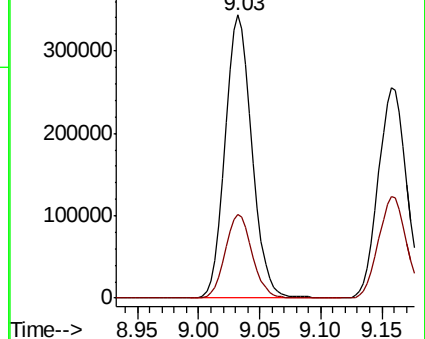
91 100

106 29.7 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018959.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018959.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.203 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018959.D

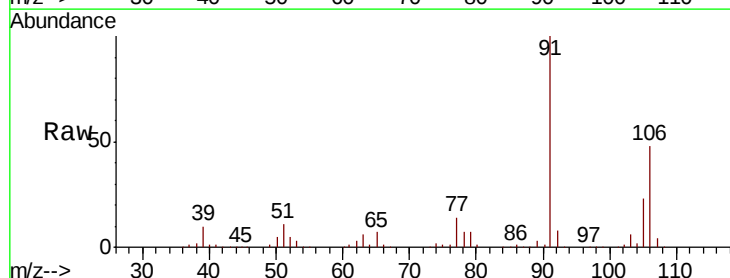
Acq: 16 Oct 2020 23:58

Tgt Ion: 106 Resp: 197891

Ion Ratio Lower Upper

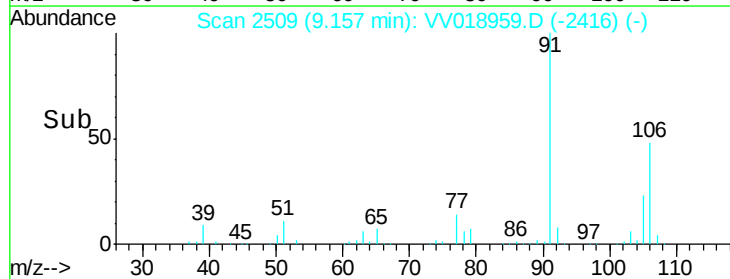
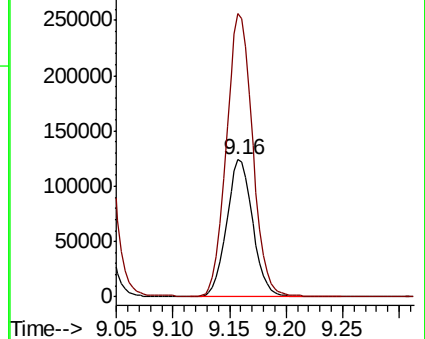
106 100

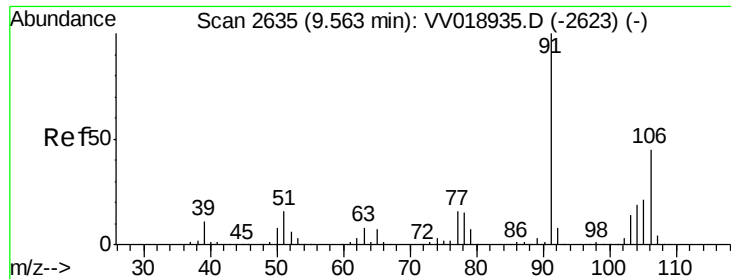
91 206.8 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018959.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018959.D (-2416) (-)





#54

o-xylene

Concen: 52.803 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

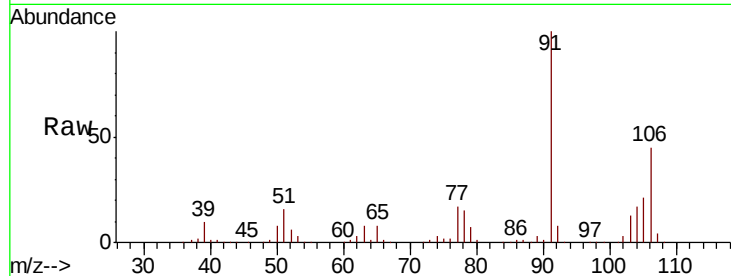
VSTD05093

Tot Ion:106 Resp: 191499

Ion Ratio Lower Upper

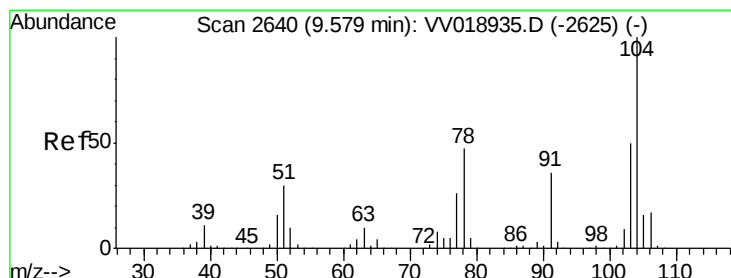
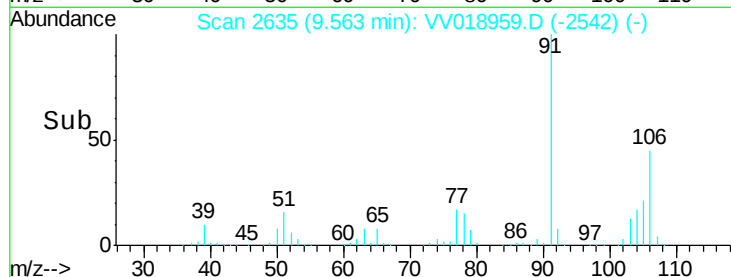
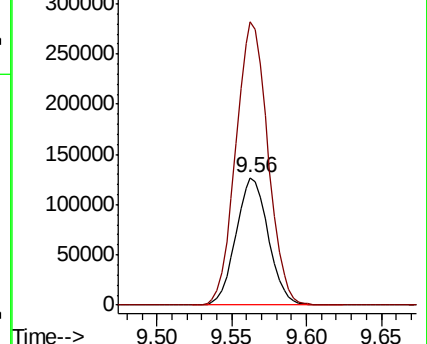
106 100

91 221.4 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.404 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018959.D

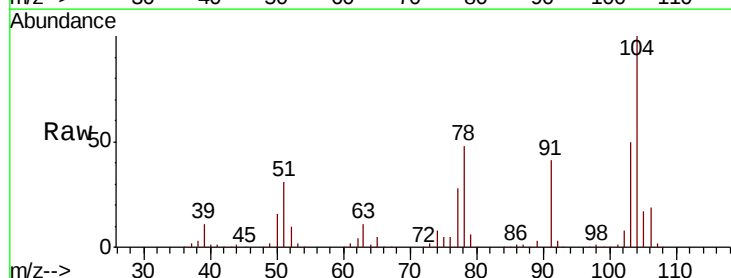
Acq: 16 Oct 2020 23:58

Tgt Ion:104 Resp: 340666

Ion Ratio Lower Upper

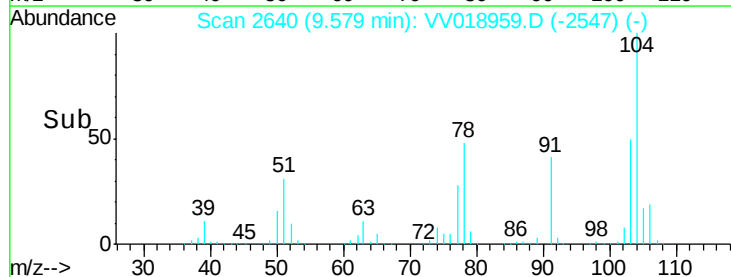
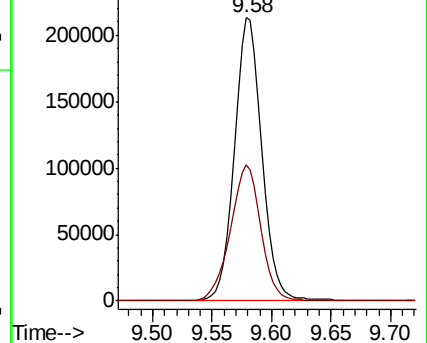
104 100

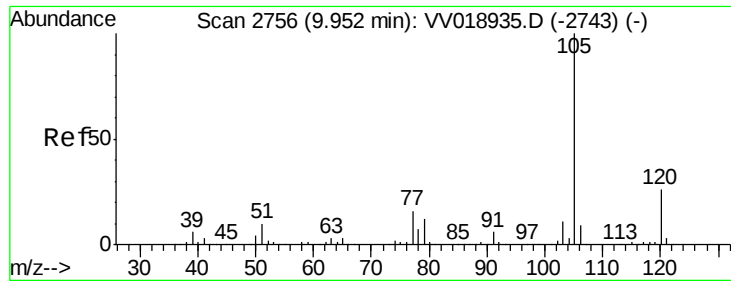
78 48.1 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.406 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

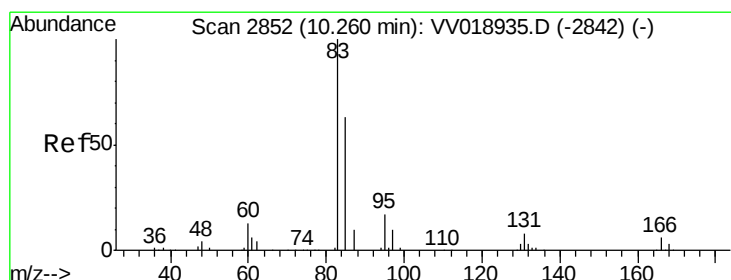
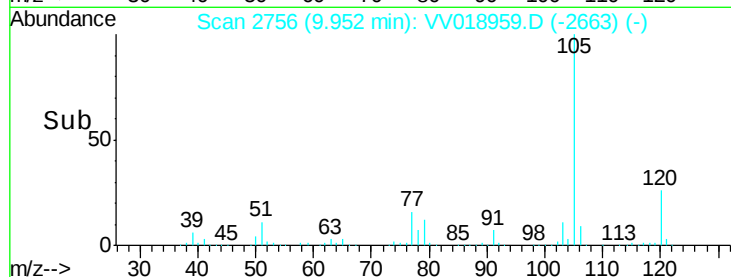
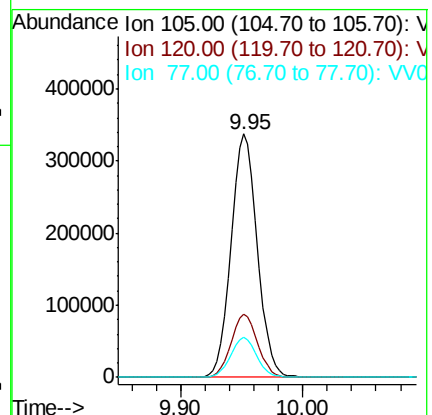
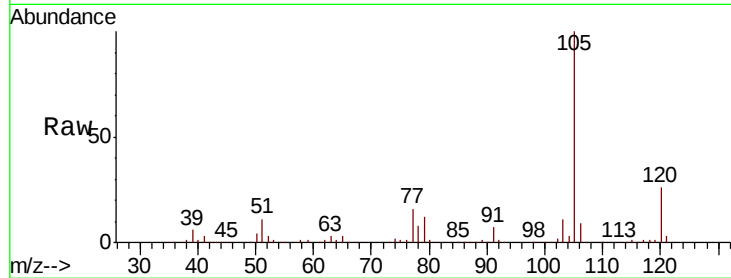
Tot Ion:105 Resp: 508476

Ion Ratio Lower Upper

105 100

120 26.2 20.4 30.6

77 16.5 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 49.491 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

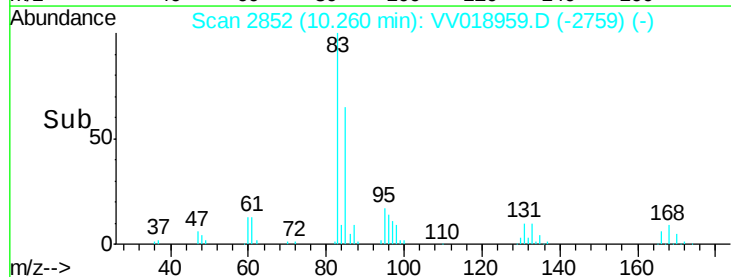
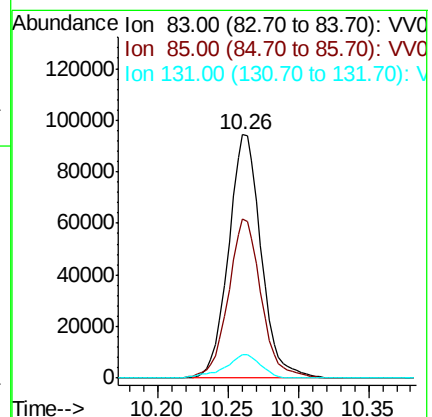
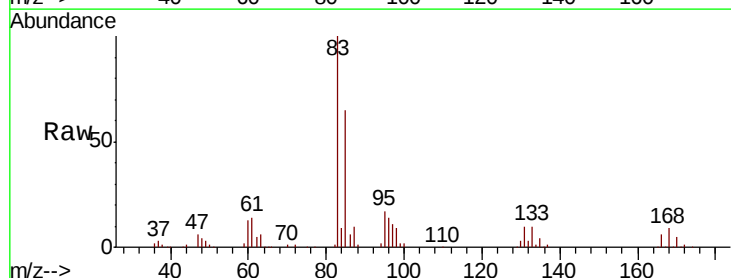
Tgt Ion: 83 Resp: 152286

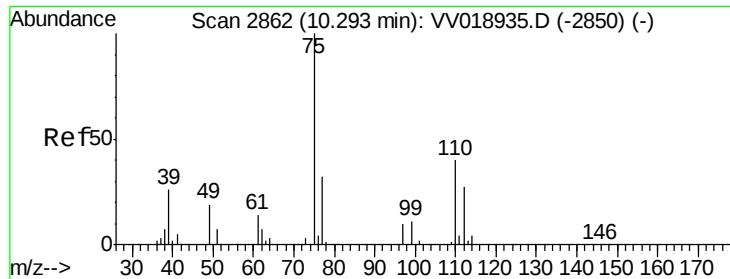
Ion Ratio Lower Upper

83 100

85 65.1 44.7 82.9

131 9.5 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 49.928 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

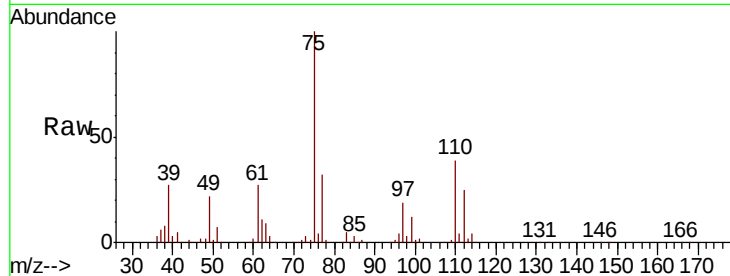
VSTD05093

Tot Ion: 75 Resp: 147235

Ion Ratio Lower Upper

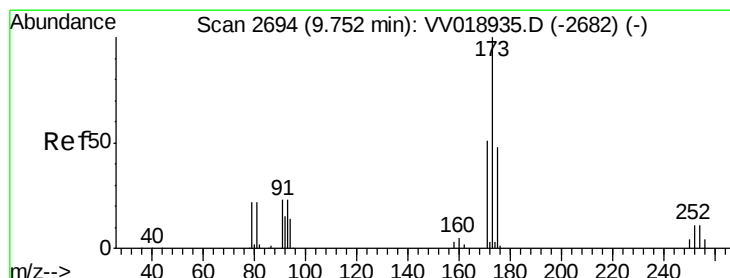
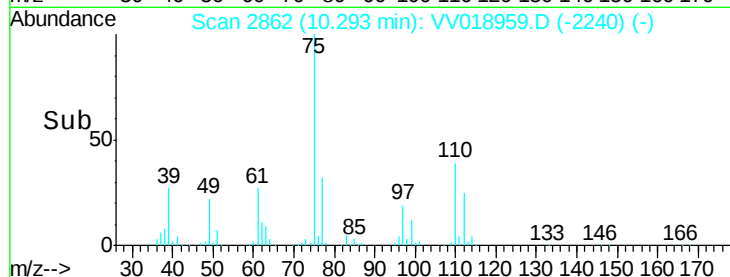
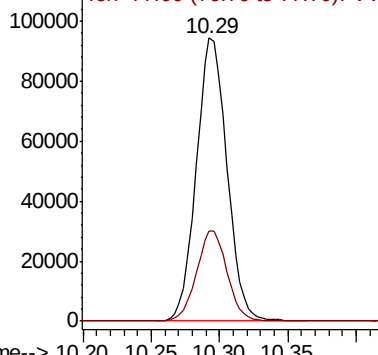
75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 49.778 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

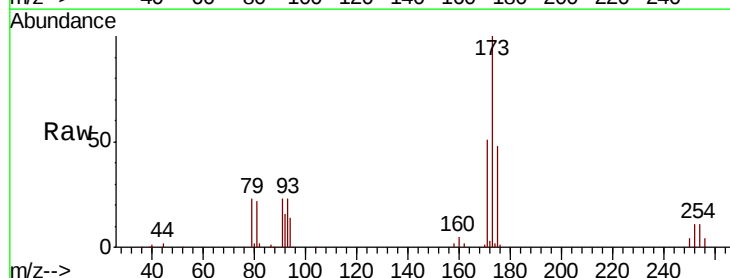
Tgt Ion: 173 Resp: 87771

Ion Ratio Lower Upper

173 100

175 48.5 38.2 57.2

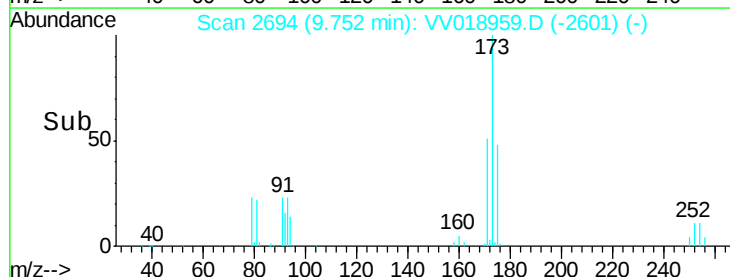
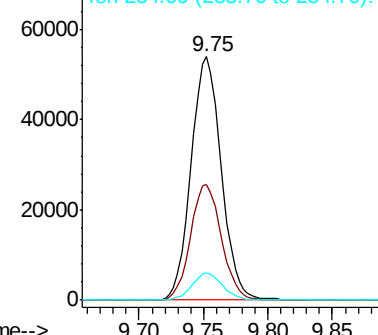
254 11.1 8.6 13.0

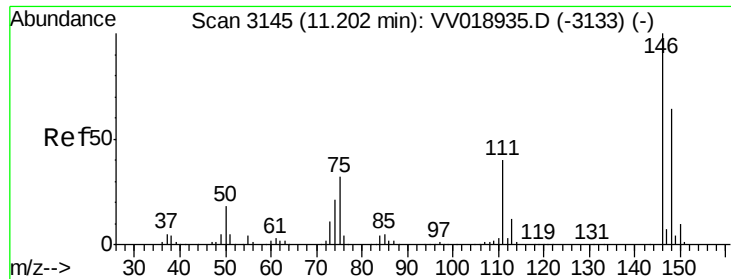


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

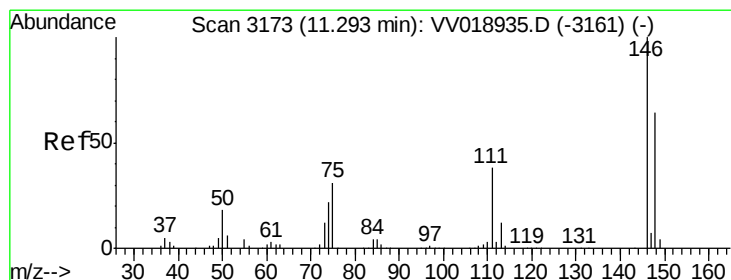
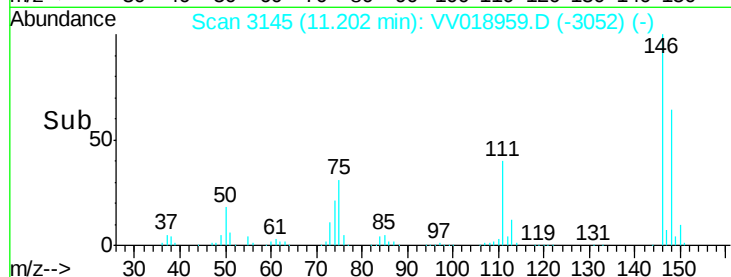
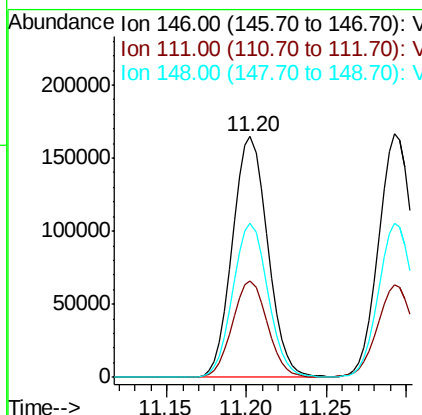
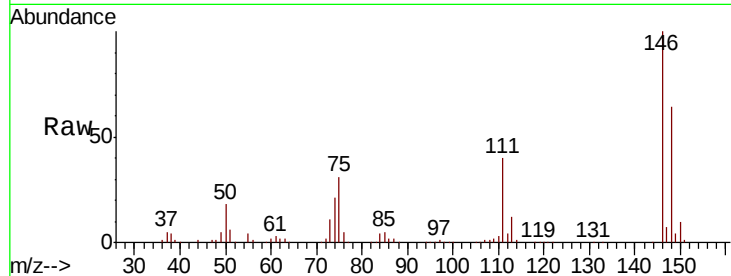




#62
 1,3-Dichlorobenzene
 Concen: 49.541 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

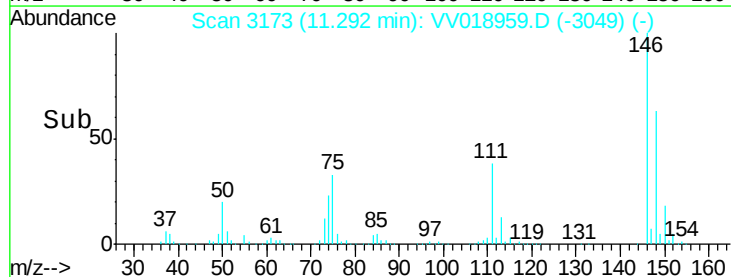
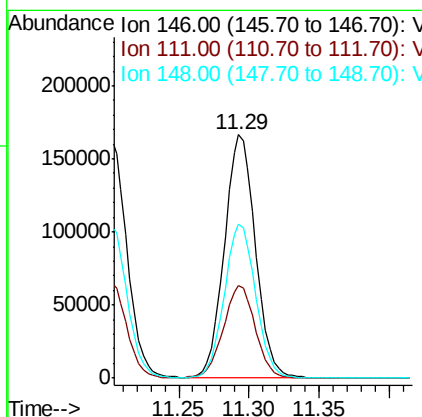
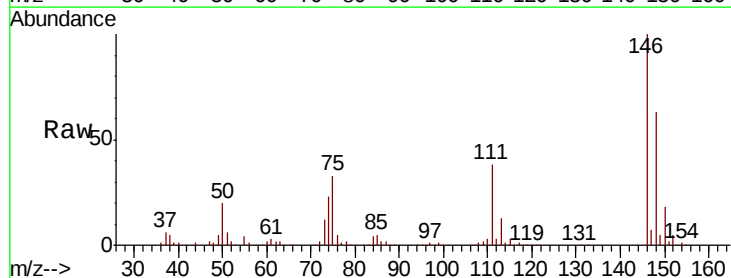
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

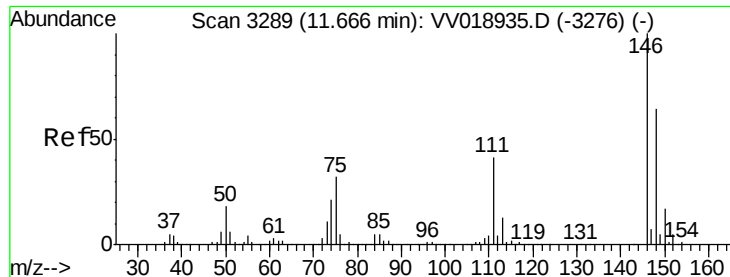
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	28.3	52.7
148	63.8	45.1	83.7



#63
 1,4-Dichlorobenzene
 Concen: 48.567 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.5	51.1
148	63.5	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 49.000 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

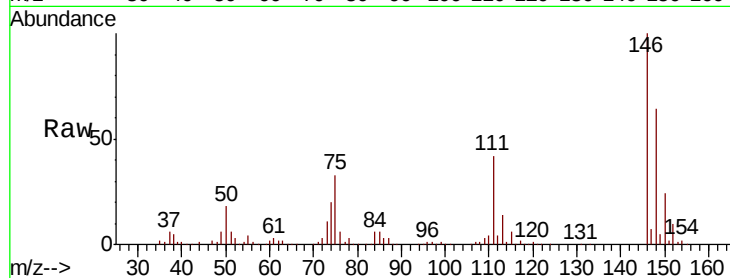
Tot Ion:146 Resp: 247378

Ion Ratio Lower Upper

146 100

111 42.0 33.9 50.9

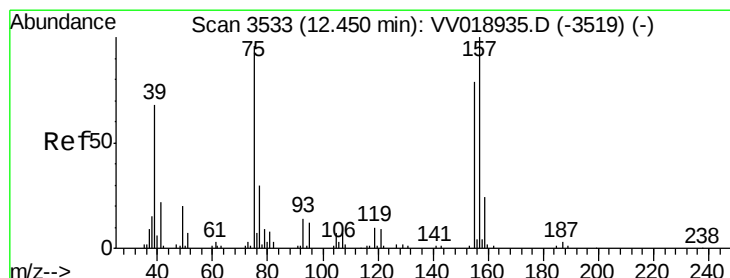
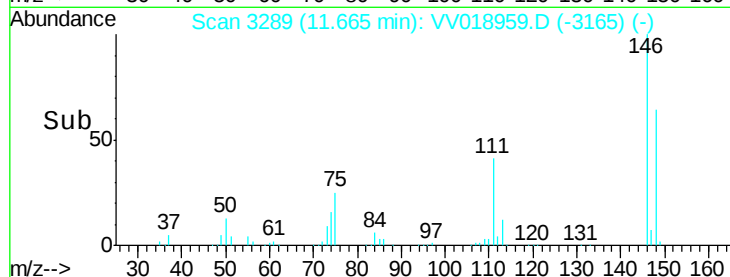
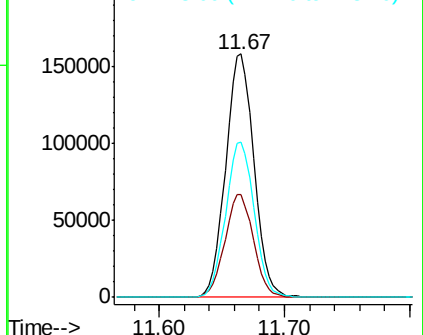
148 64.0 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.273 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

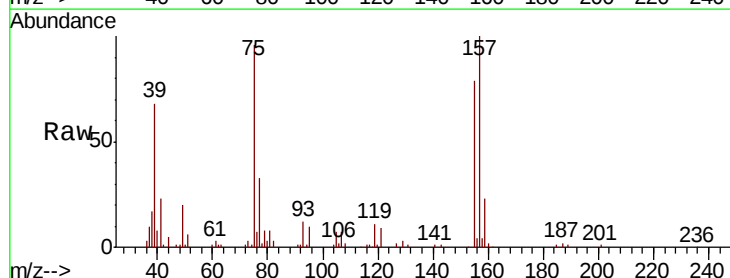
Tgt Ion: 75 Resp: 35565

Ion Ratio Lower Upper

75 100

155 81.7 65.7 98.5

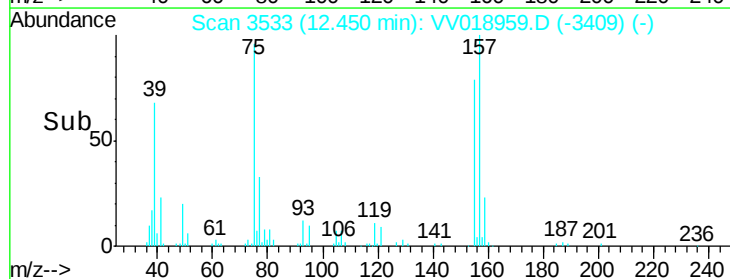
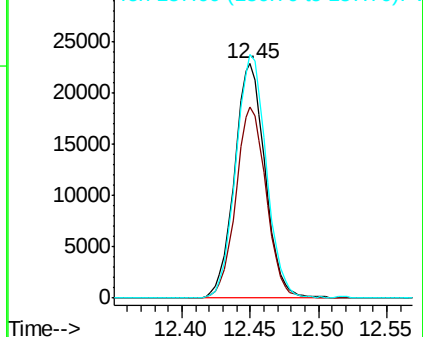
157 103.8 83.0 124.4

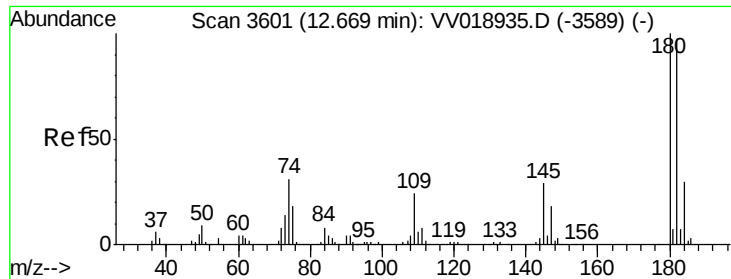


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

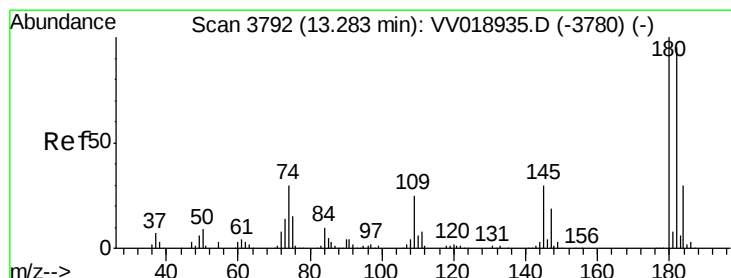
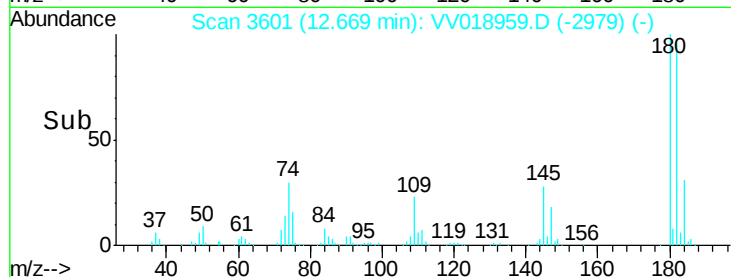
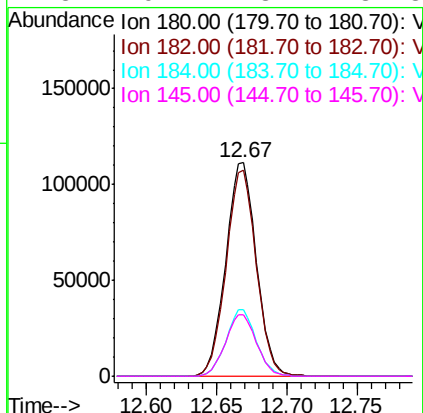
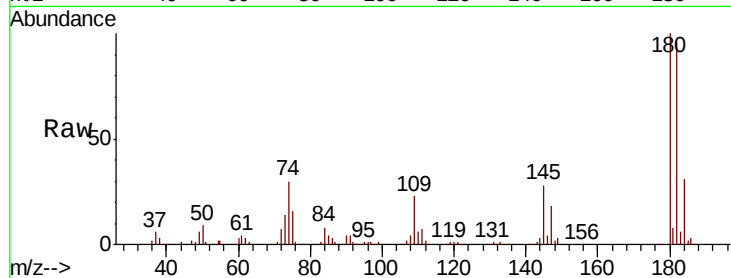




#67
 1,3,5-Trichlorobenzene
 Concen: 50.244 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

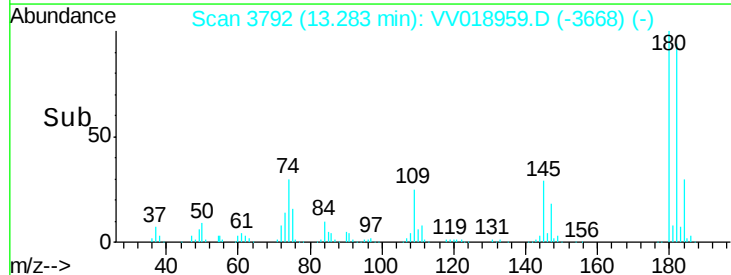
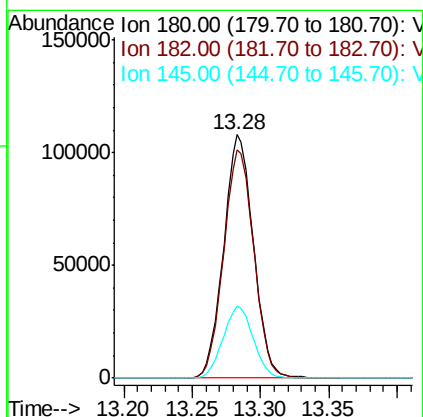
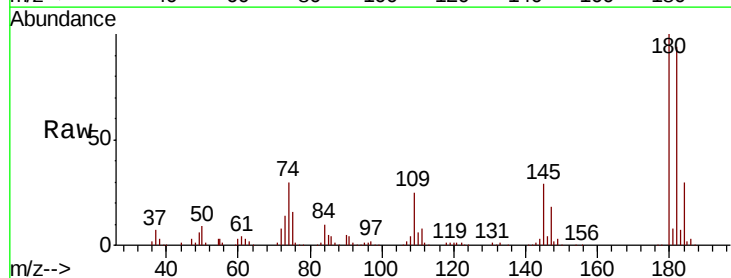
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05093

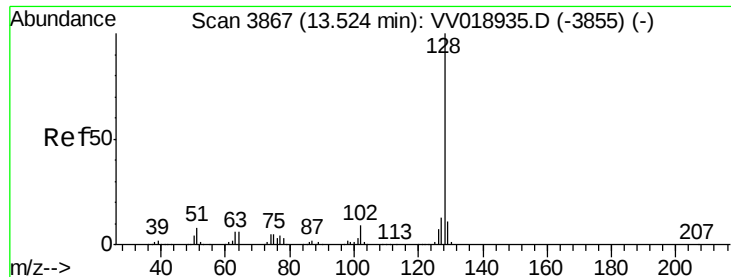
Tot Ion:180	Resp:	168886
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.8 113.8
184	30.4	24.9 37.3
145	29.1	23.2 34.8



#68
 1,2,4-trichlorobenzene
 Concen: 52.817 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018959.D
 Acq: 16 Oct 2020 23:58

Tgt Ion:180	Resp:	163591
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.5 114.7
145	29.8	23.7 35.5





#69

Naphthalene

Concen: 56.820 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05093

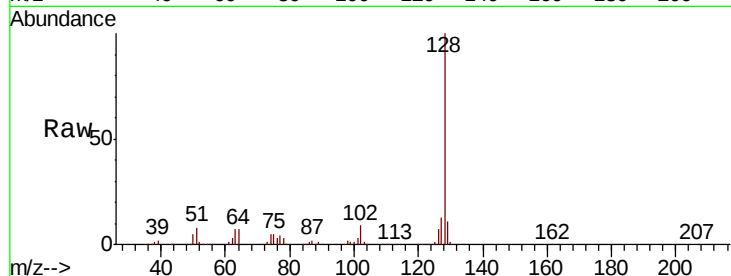
Tot Ion:128 Resp: 499444

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

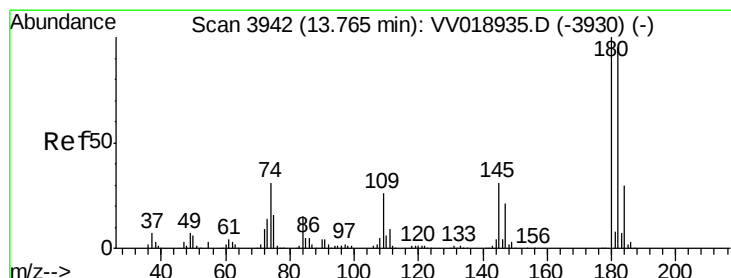
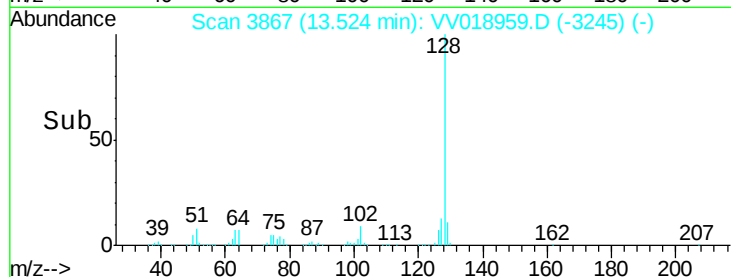
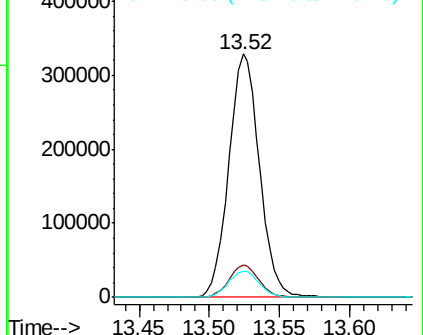
129 11.1 8.9 13.3



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: 55.498 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018959.D

Acq: 16 Oct 2020 23:58

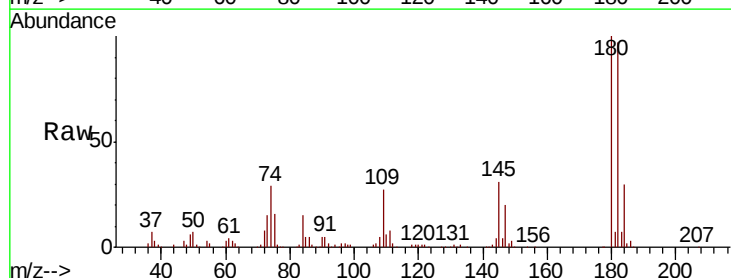
Tgt Ion:180 Resp: 171823

Ion Ratio Lower Upper

180 100

182 96.8 76.8 115.2

145 31.3 25.4 38.0



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

