

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111320\
 Data File : VV019367.D
 Acq On : 13 Nov 2020 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Quant Time: Nov 16 14:54:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 13:41:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	220948	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	220646	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	139094	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80805	48.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.04%
7) Chloroethane-d5	1.58	69	66399	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	2.12	63	168119	49.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.12%
21) 2-Butanone-d5	3.90	46	79346	92.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.38%
24) Chloroform-d	4.37	84	155846	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	5.05	65	105004	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.07	84	271368	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
36) 1,2-Dichloropropane-d6	6.09	67	77089	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.33	98	271957	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.64	79	48102	47.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.44%
47) 2-Hexanone-d5	8.10	63	58084	98.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.05%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	108713	50.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	125406	47.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	105387	56.883	ug/L 100
3) Chloromethane	1.25	50	88800	53.641	ug/L 99
5) Vinyl chloride	1.32	62	94758	53.099	ug/L 99
6) Bromomethane	1.53	94	67740	53.088	ug/L 100
8) Chloroethane	1.60	64	60480	53.744	ug/L 100
9) Trichlorofluoromethane	1.76	101	174363	54.467	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	84445	57.877	ug/L 100
12) 1,1-Dichloroethene	2.13	96	79298	53.249	ug/L 99
13) Acetone	2.19	43	72264	98.786	ug/L 97
14) Carbon disulfide	2.31	76	213473	51.843	ug/L 99
15) Methyl Acetate	2.44	43	61811	50.050	ug/L 98
16) Methylene chloride	2.52	84	76633	51.246	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	75335	52.592	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	233081	50.645	ug/L 100
19) 1,1-Dichloroethane	3.21	63	129055	51.960	ug/L 97
20) cis-1,2-Dichloroethene	3.93	96	77929	51.391	ug/L 95
22) 2-Butanone	3.99	43	83990	100.126	ug/L 93

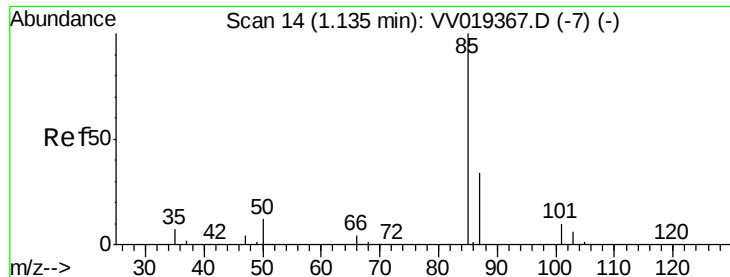
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111320\
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 13:41:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	45241	51.732	uq/L	97
25) Chloroform	4.40	83	150996	52.269	uq/L	97
27) 1,2-Dichloroethane	5.15	62	125109	51.122	uq/L	98
29) Cyclohexane	4.70	56	103274	54.154	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	149387	51.541	uq/L	99
31) Carbon tetrachloride	4.85	117	139443	53.424	uq/L	99
33) Benzene	5.12	78	291143	52.307	uq/L	100
34) Trichloroethene	5.93	95	87156	51.919	uq/L	97
35) Methylcyclohexane	6.15	83	111734	53.858	uq/L	99
37) 1,2-Dichloropropane	6.19	63	67549	49.933	uq/L	98
38) Bromodichloromethane	6.53	83	115052	52.321	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	124982	53.888	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	169732	99.437	uq/L	100
42) Toluene	7.41	91	337923	53.971	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	131549	53.250	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	76423	52.082	uq/L	99
46) Tetrachloroethene	7.99	164	80771	54.623	uq/L	99
48) 2-Hexanone	8.15	43	138559	103.577	uq/L	98
49) Dibromochloromethane	8.26	129	99475	52.824	uq/L	98
50) 1,2-Dibromoethane	8.37	107	84036	52.346	uq/L	98
51) Chlorobenzene	8.90	112	227045	52.730	uq/L	99
52) Ethylbenzene	9.03	91	378346	54.032	uq/L	99
53) m,p-Xylene	9.16	106	145738	53.749	uq/L	99
54) o-xylene	9.56	106	142111	54.197	uq/L	99
55) Styrene	9.58	104	259126	55.880	uq/L	97
56) Isopropylbenzene	9.95	105	388227	55.141	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	104804	52.269	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	94419	51.108	uq/L	99
61) Bromoform	9.75	173	79744	50.356	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	206669	52.884	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	209845	51.330	uq/L	100
65) 1,2-Dichlorobenzene	11.66	146	203787	51.538	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	28091	49.185	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	153414	51.208	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	141574	52.529	uq/L	99
69) Naphthalene	13.52	128	325784	51.185	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	142352	52.491	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 56.883 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

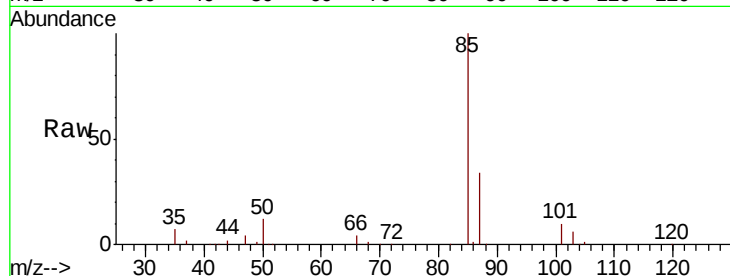
VSTD05097

Tot Ion: 85 Resp: 105387

Ion Ratio Lower Upper

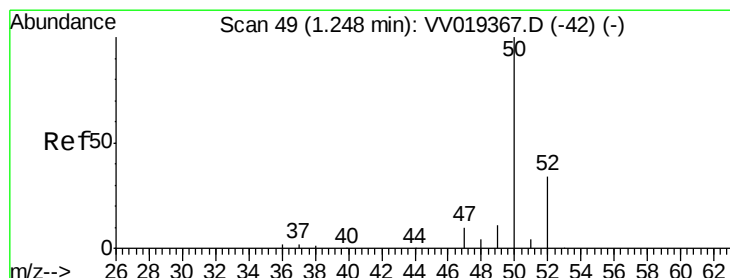
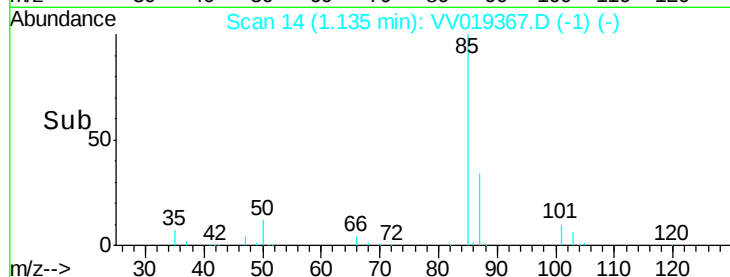
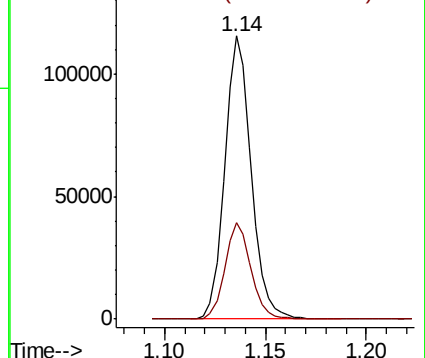
85 100

87 33.5 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 53.641 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019367.D

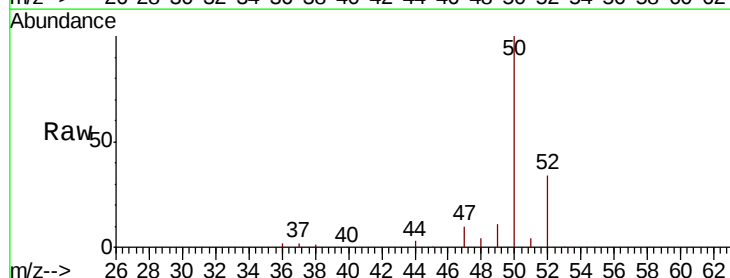
Acq: 13 Nov 2020 09:23

Tgt Ion: 50 Resp: 88800

Ion Ratio Lower Upper

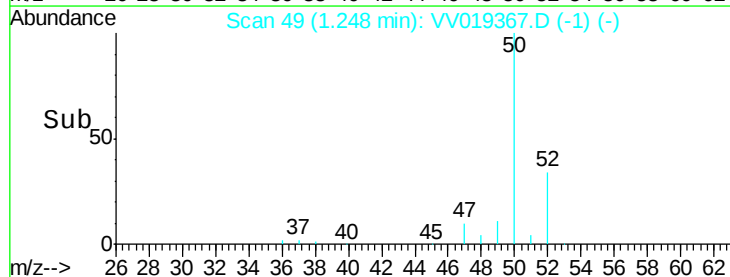
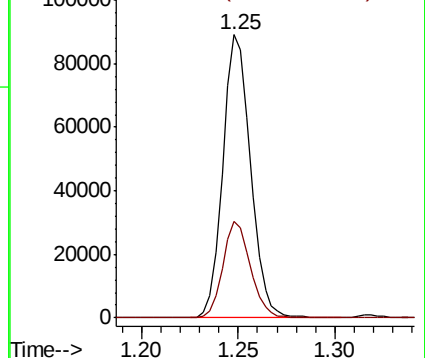
50 100

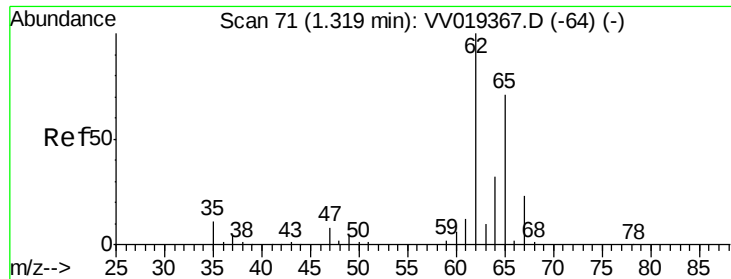
52 33.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 53.099 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

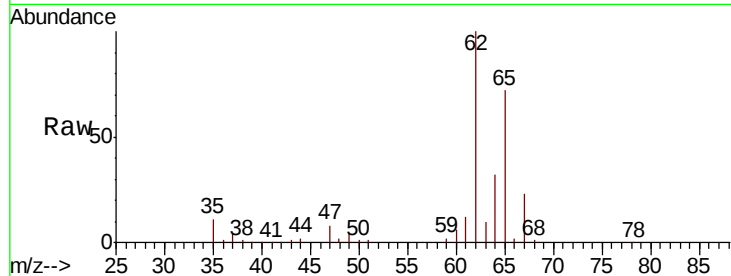
VSTD05097

Tot Ion: 62 Resp: 94758

Ion Ratio Lower Upper

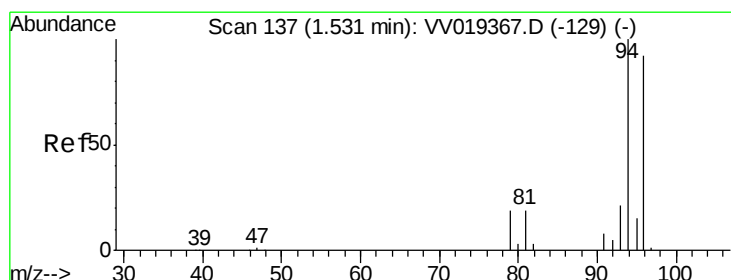
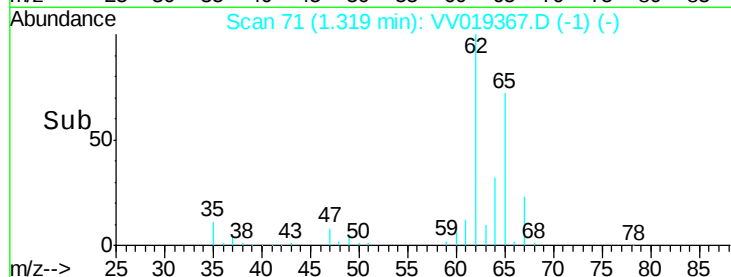
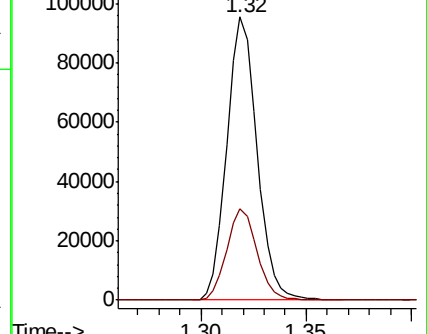
62 100

64 32.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 53.088 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV019367.D

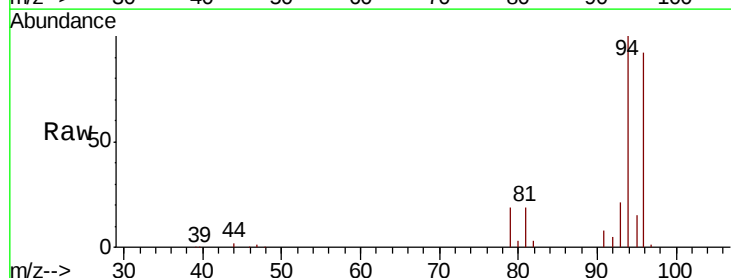
Acq: 13 Nov 2020 09:23

Tgt Ion: 94 Resp: 67740

Ion Ratio Lower Upper

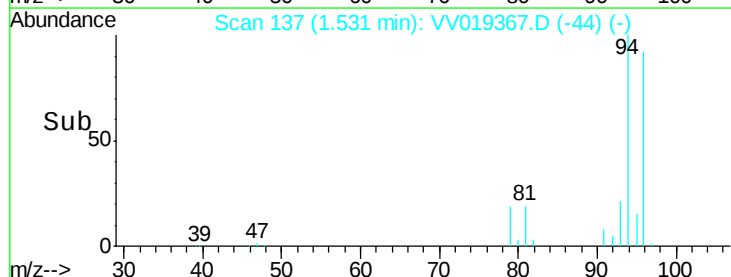
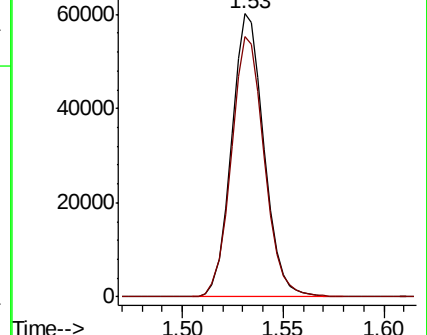
94 100

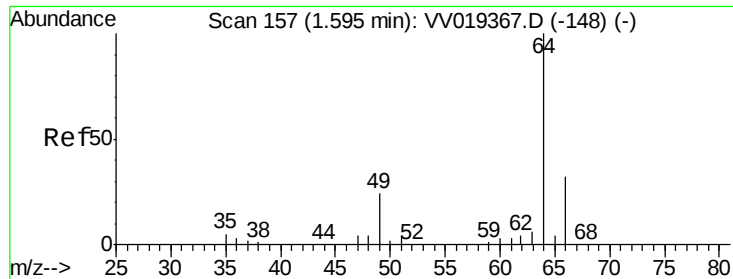
96 92.1 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

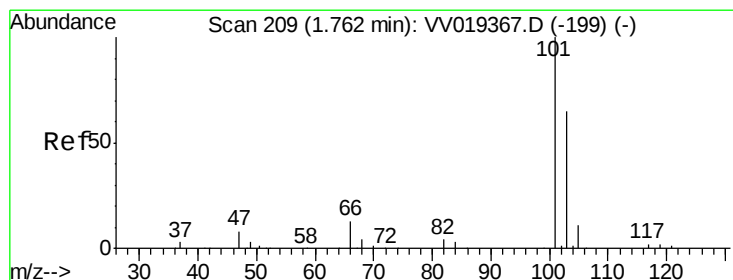
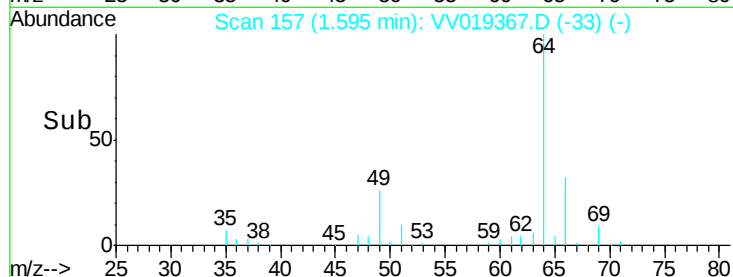
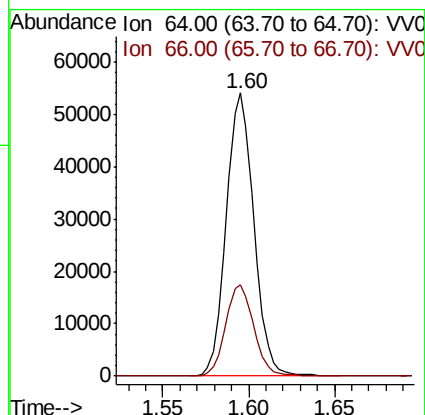
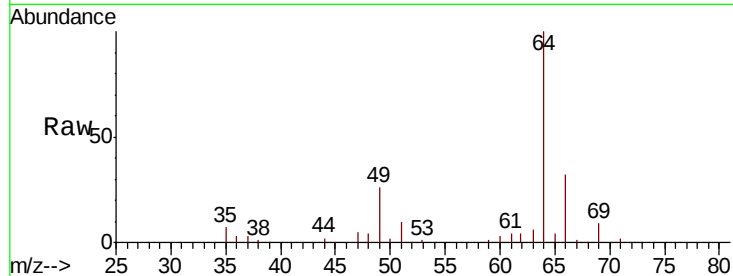




#8
Chloroethane
Concen: 53.744 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

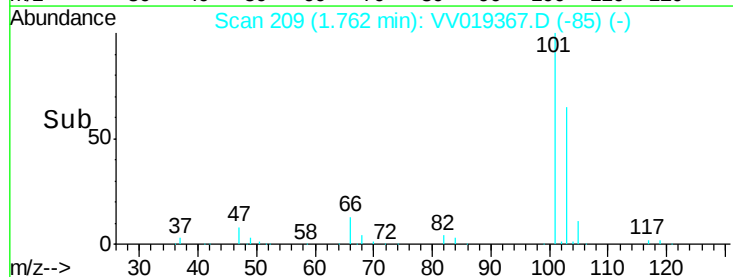
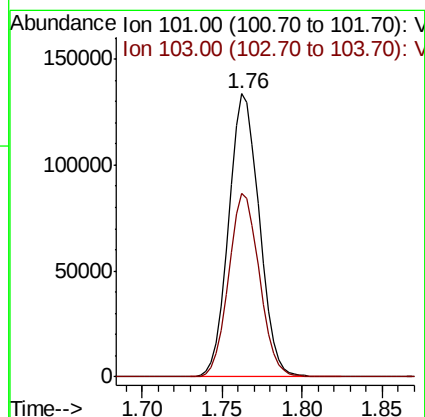
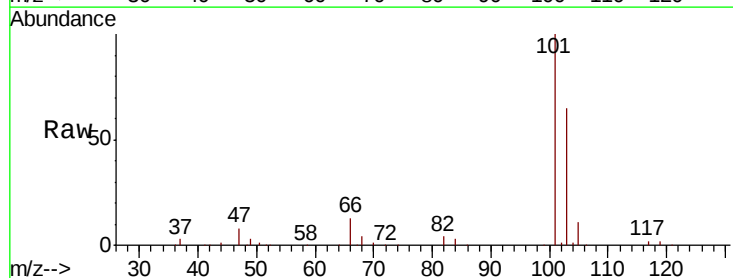
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

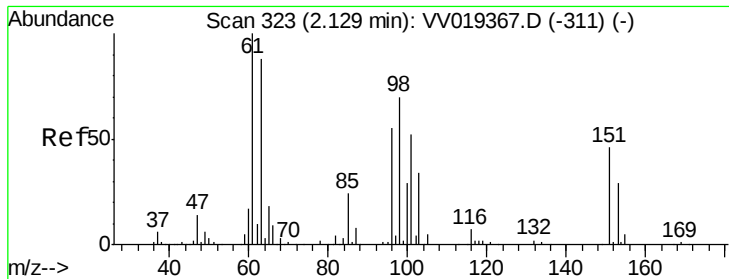
Tot Ion: 64 Resp: 60480
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 54.467 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Tgt Ion:101 Resp: 174363
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2





#10

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

Concen: 57.877 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

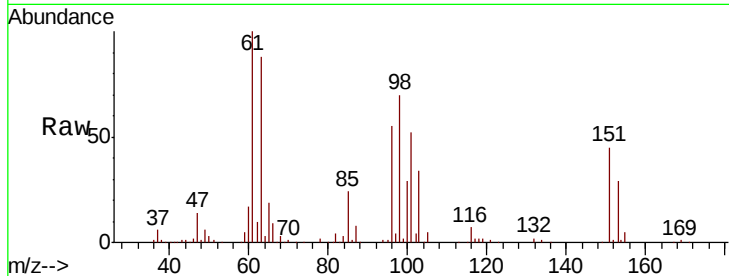
Tot Ion:101 Resp: 84445

Ion Ratio Lower Upper

101 100

85 44.4 35.8 53.6

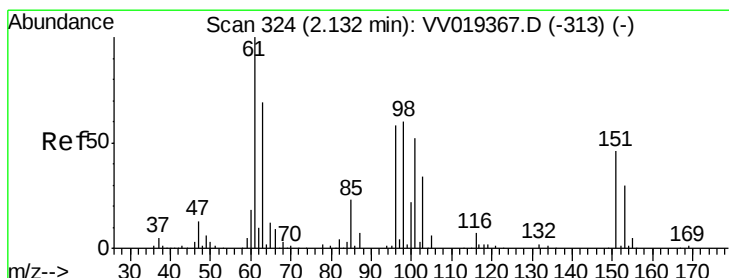
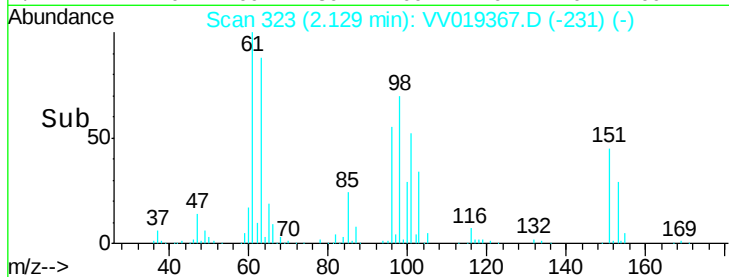
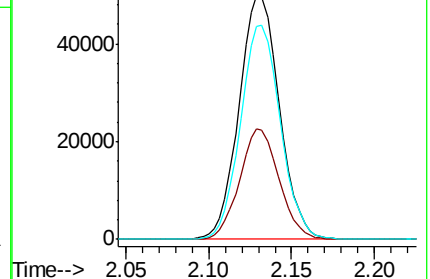
151 87.0 69.2 103.8



Abundance Ion 101.00 (100.70 to 101.70): VV019367.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019367.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019367.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 53.249 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

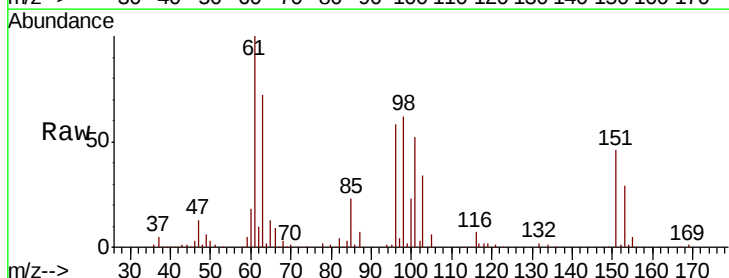
Tgt Ion: 96 Resp: 79298

Ion Ratio Lower Upper

96 100

61 171.9 121.0 224.8

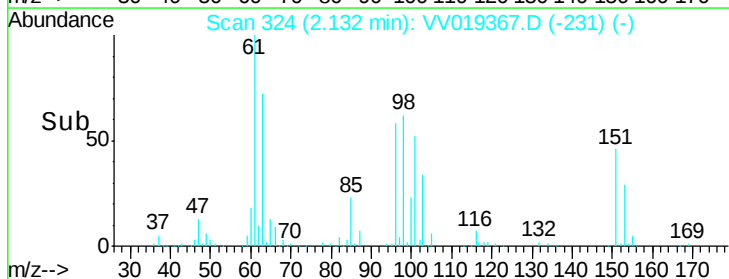
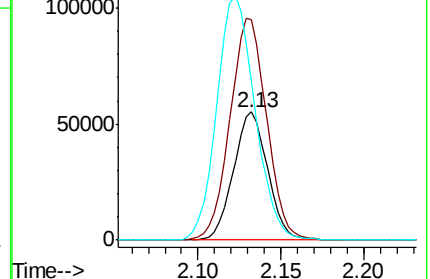
63 123.7 86.2 160.0

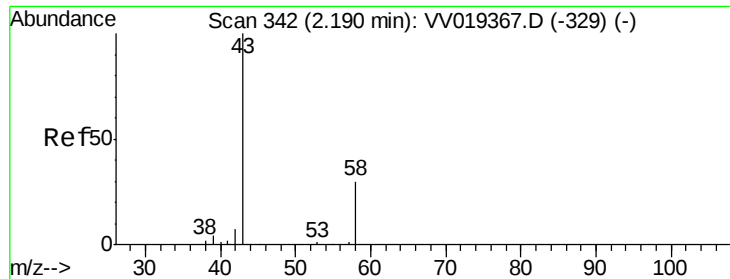


Abundance Ion 96.00 (95.70 to 96.70): VV019367.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV019367.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV019367.D (-313) (-)





#13

Acetone

Concen: 98.786 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

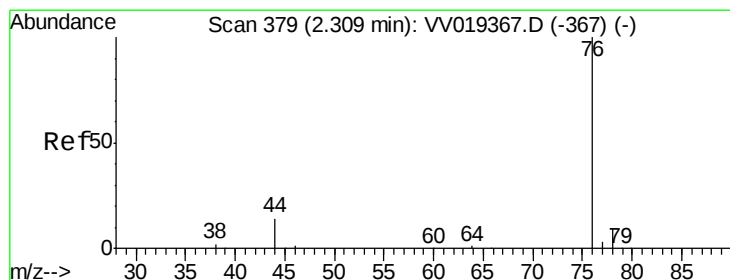
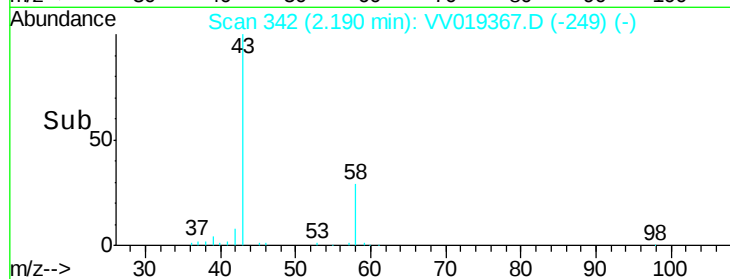
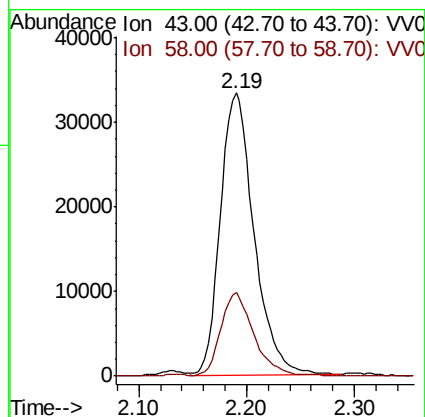
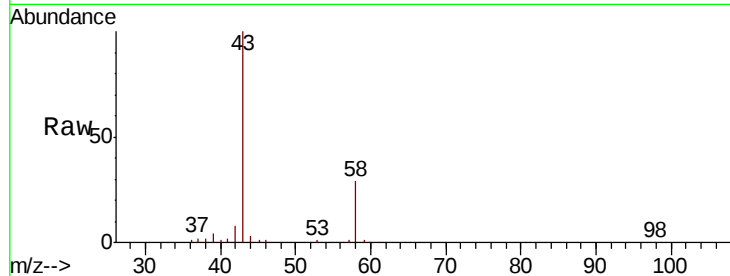
VSTD05097

Tot Ion: 43 Resp: 72264

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.8



#14

Carbon disulfide

Concen: 51.843 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019367.D

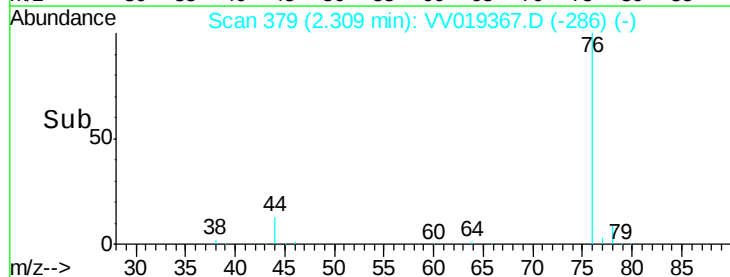
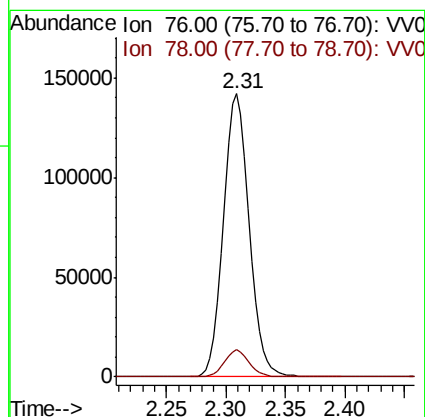
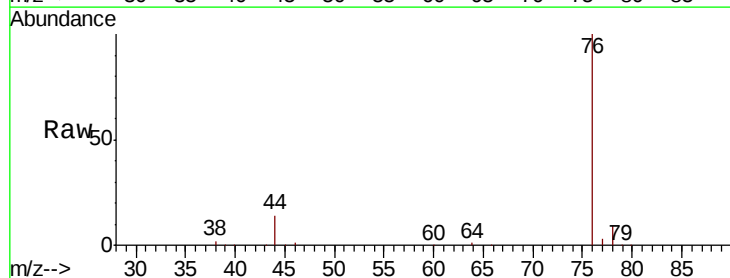
Acq: 13 Nov 2020 09:23

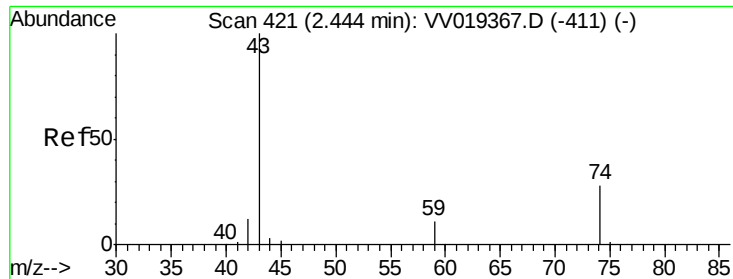
Tgt Ion: 76 Resp: 213473

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

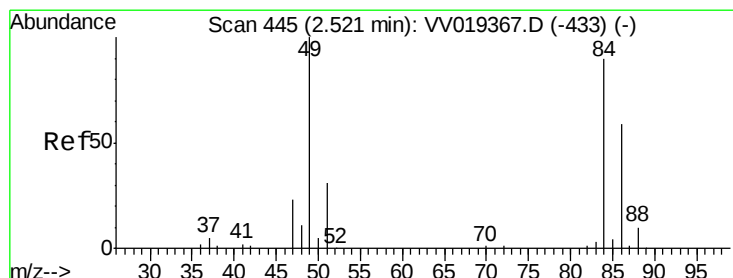
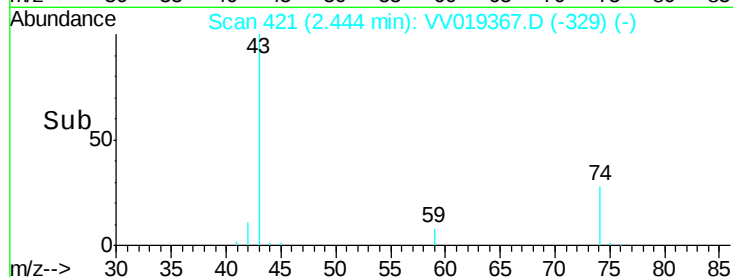
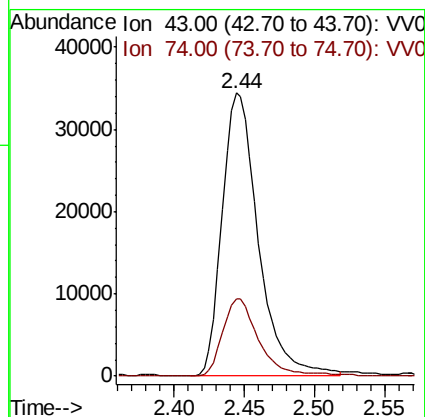
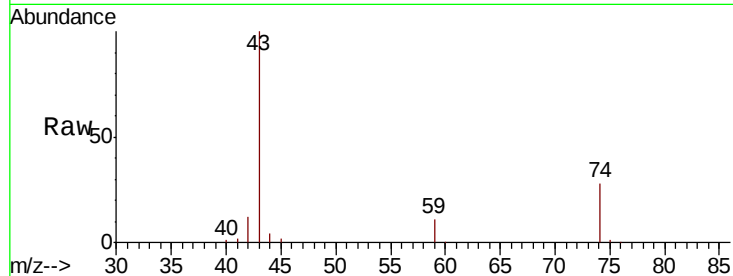




#15
Methvl Acetate
Concen: 50.050 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

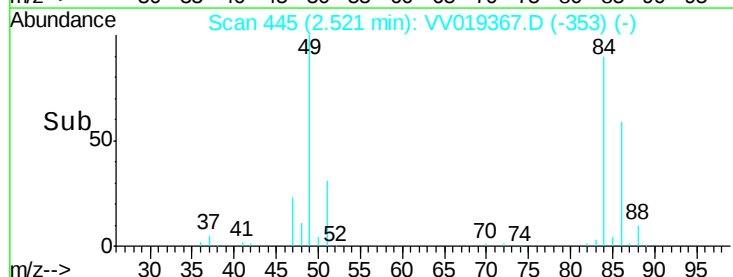
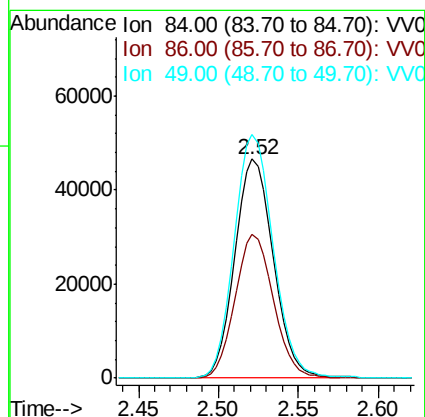
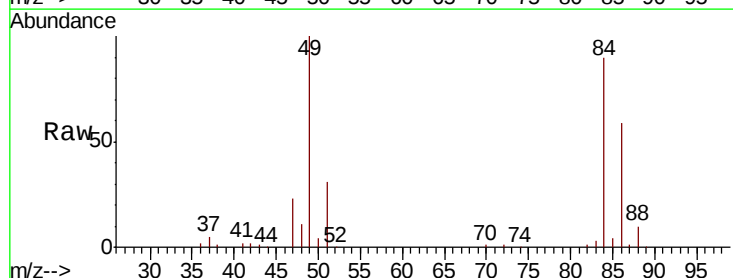
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

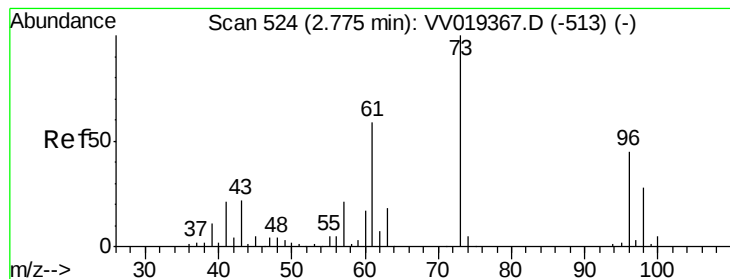
Tot Ion: 43 Resp: 61811
Ion Ratio Lower Upper
43 100
74 26.8 20.7 31.1



#16
Methylene chloride
Concen: 51.246 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Tgt Ion: 84 Resp: 76633
Ion Ratio Lower Upper
84 100
86 65.6 45.6 84.8
49 111.2 80.2 149.0





#17

trans-1,2-Dichloroethene

Concen: 52.592 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

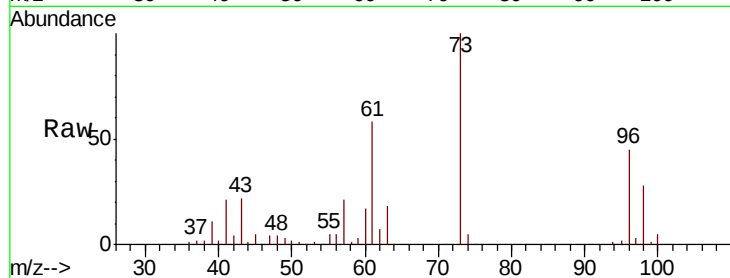
Tot Ion: 96 Resp: 75335

Ion Ratio Lower Upper

96 100

61 130.8 91.8 170.6

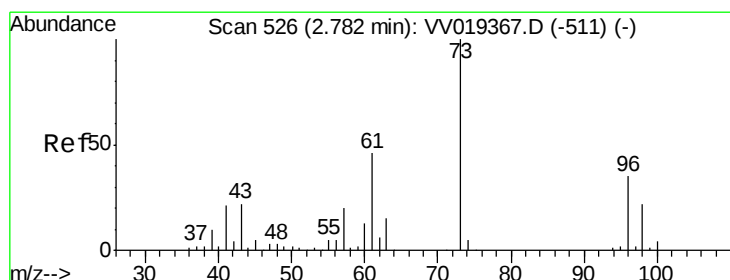
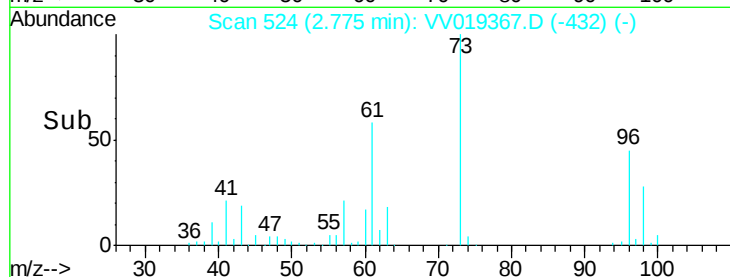
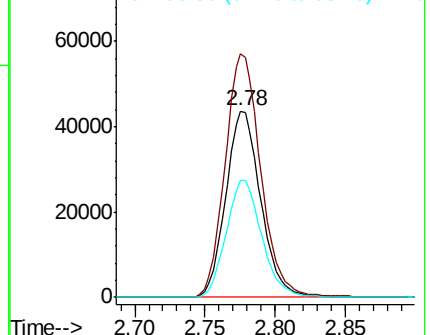
98 62.8 45.1 83.7



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: 50.645 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

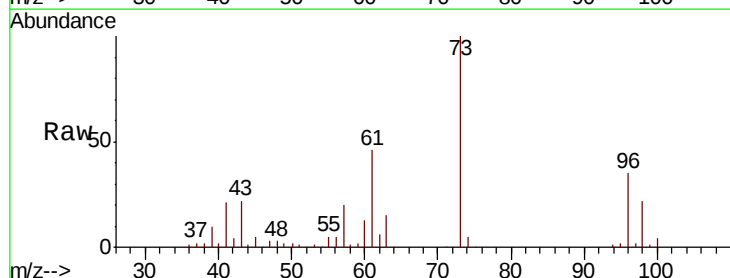
Tgt Ion: 73 Resp: 233081

Ion Ratio Lower Upper

73 100

43 21.7 17.2 25.8

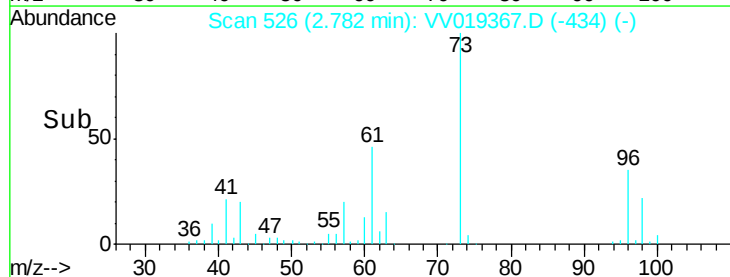
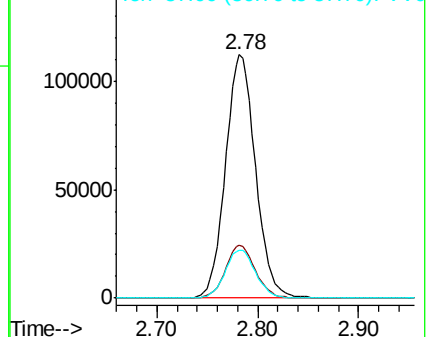
57 20.1 15.9 23.9

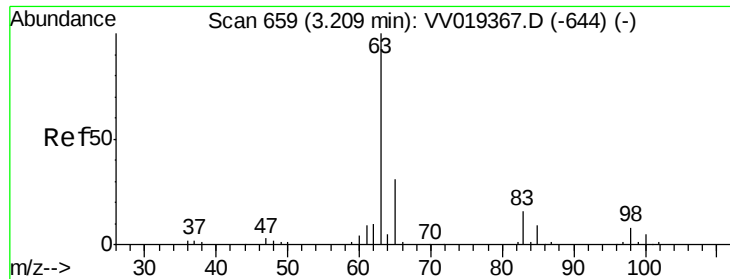


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.960 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

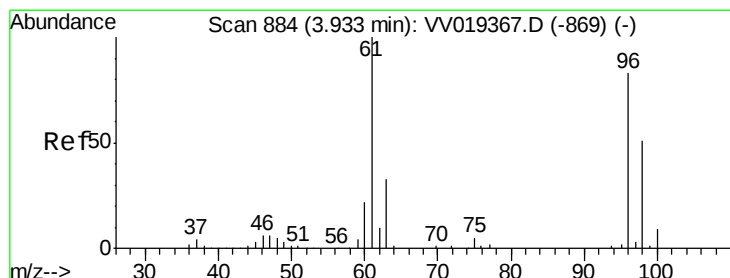
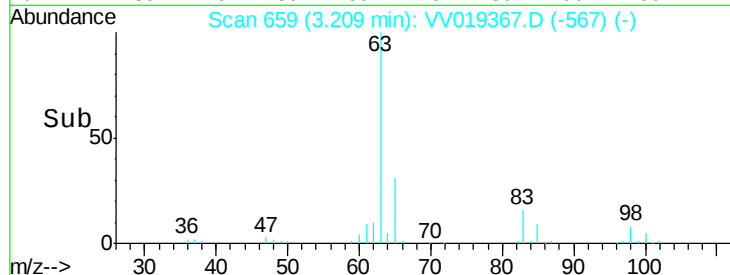
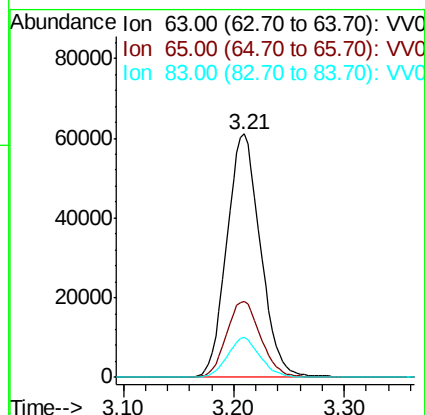
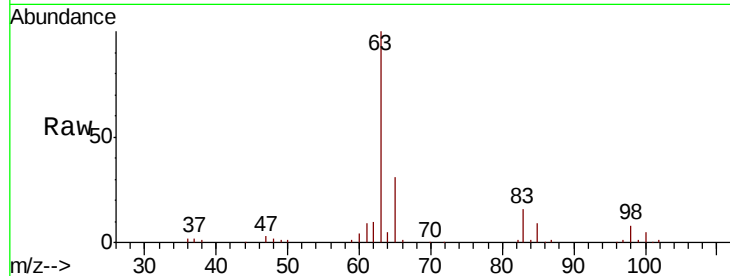
Tot Ion: 63 Resp: 129055

Ion Ratio Lower Upper

63 100

65 31.1 23.0 42.8

83 16.3 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 51.391 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

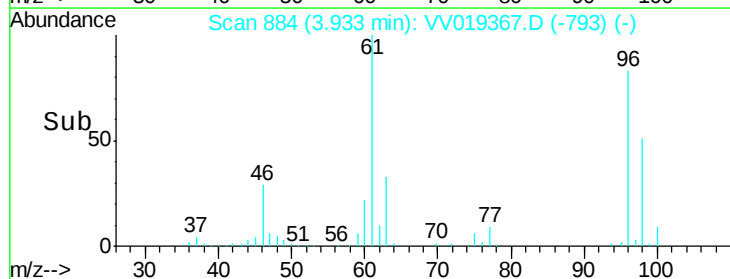
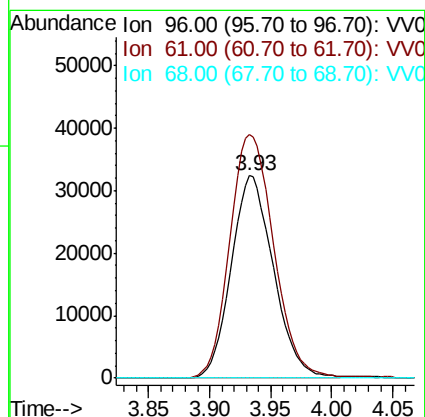
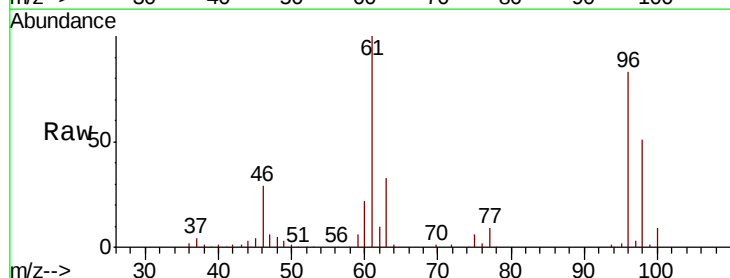
Tgt Ion: 96 Resp: 77929

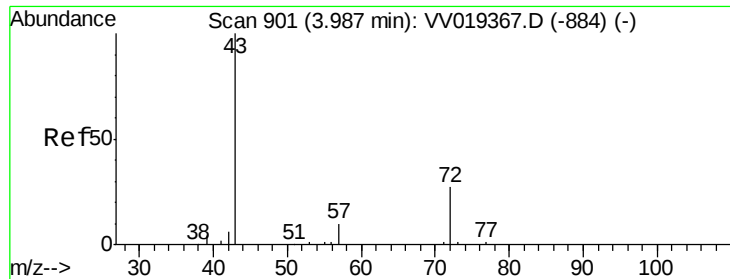
Ion Ratio Lower Upper

96 100

61 120.5 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.126 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

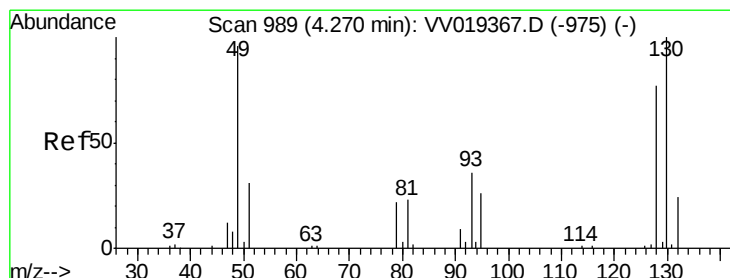
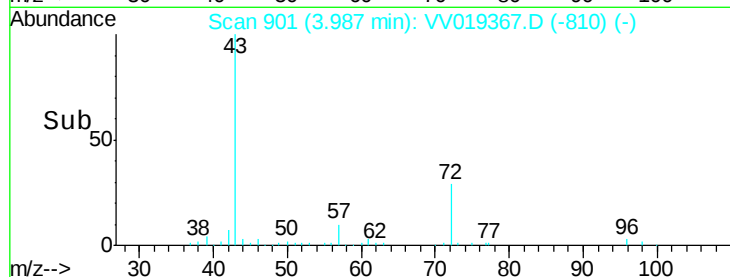
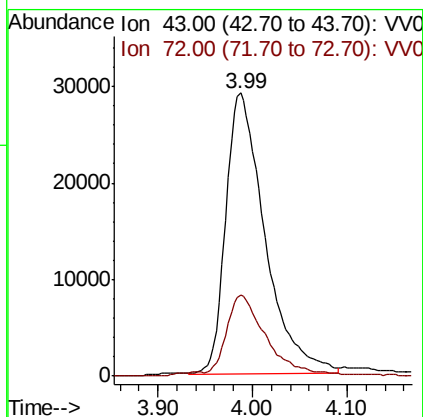
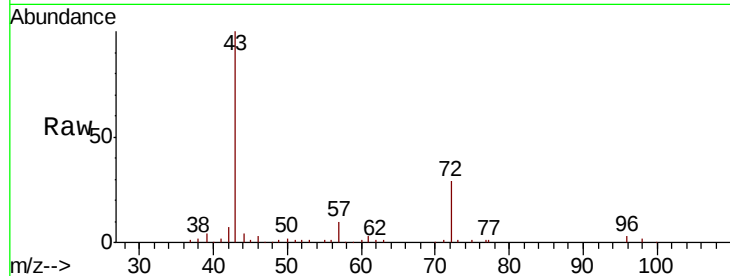
VSTD05097

Tot Ion: 43 Resp: 83990

Ion Ratio Lower Upper

43 100

72 29.6 13.1 39.3



#23

Bromochloromethane

Concen: 51.732 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Tgt Ion: 128 Resp: 45241

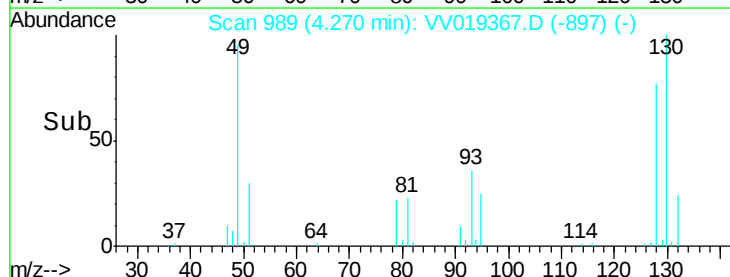
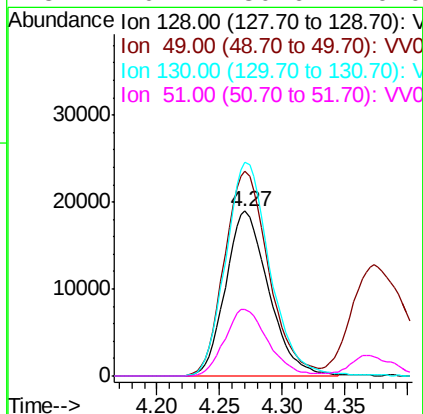
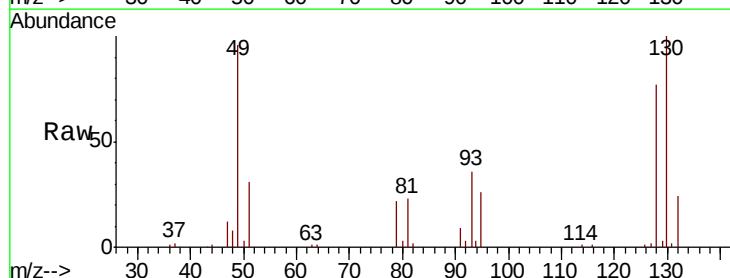
Ion Ratio Lower Upper

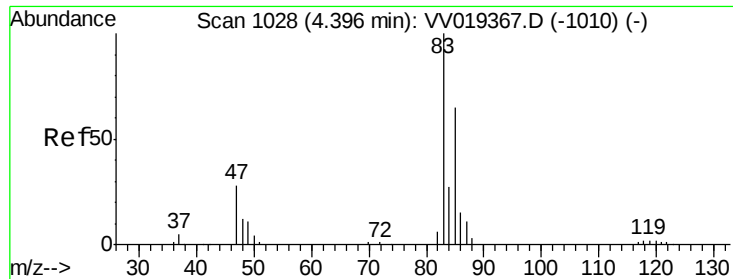
128 100

49 124.5 86.2 160.0

130 129.8 94.0 174.6

51 40.4 30.6 46.0

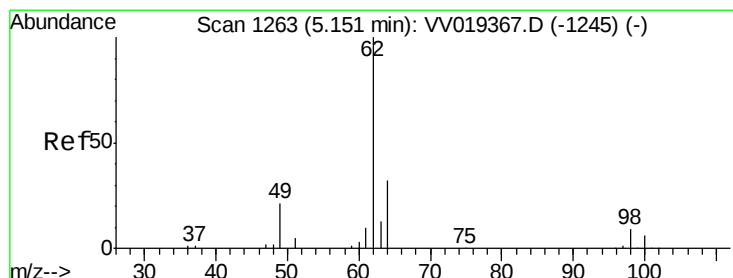
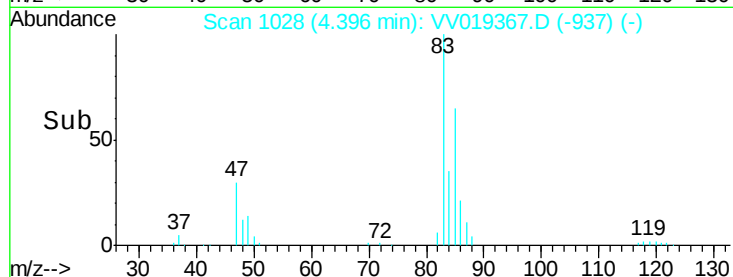
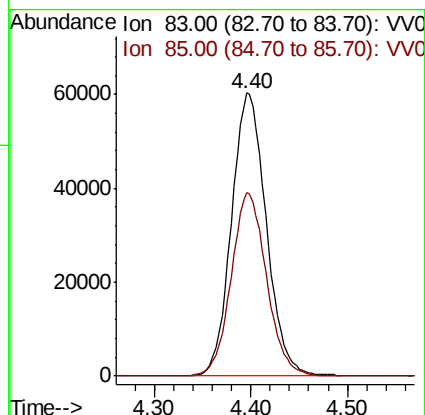
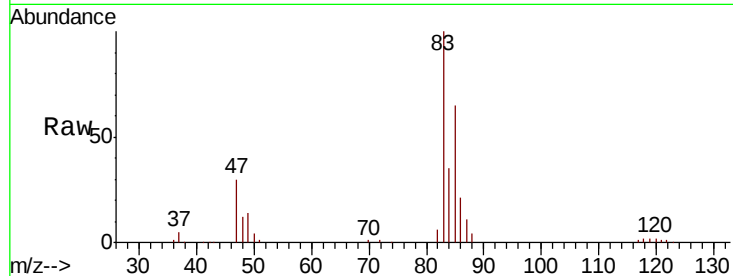




#25
Chloroform
Concen: 52.269 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

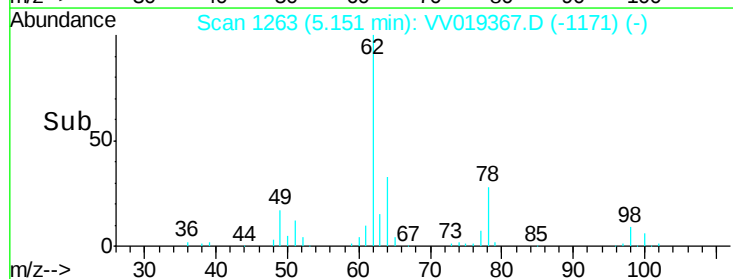
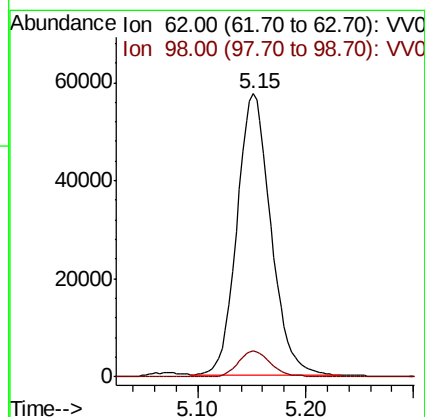
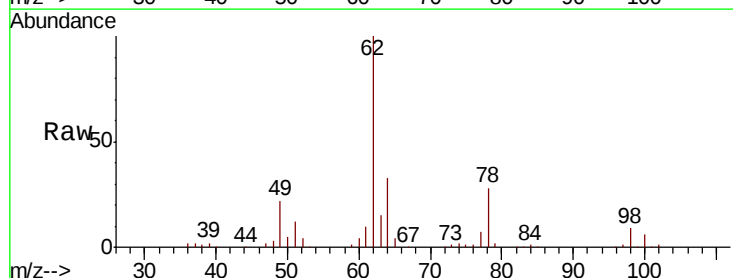
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

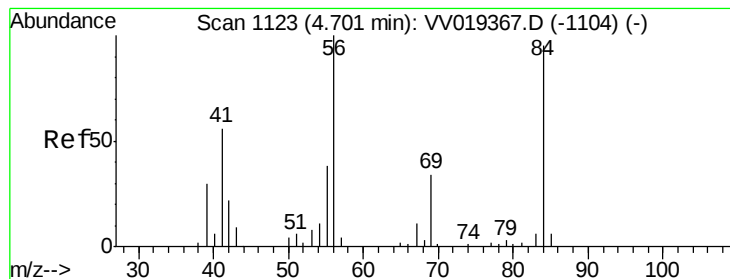
Tot Ion: 83 Resp: 150996
Ion Ratio Lower Upper
83 100
85 64.9 44.0 81.8



#27
1,2-Dichloroethane
Concen: 51.122 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Tgt Ion: 62 Resp: 125109
Ion Ratio Lower Upper
62 100
98 9.1 6.7 10.1





#29

Cyclohexane

Concen: 54.154 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

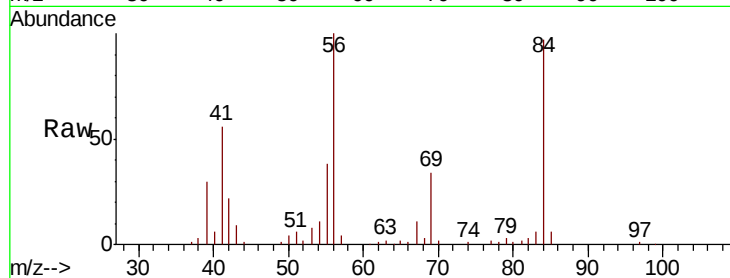
Tot Ion: 56 Resp: 103274

Ion Ratio Lower Upper

56 100

69 32.7 26.7 40.1

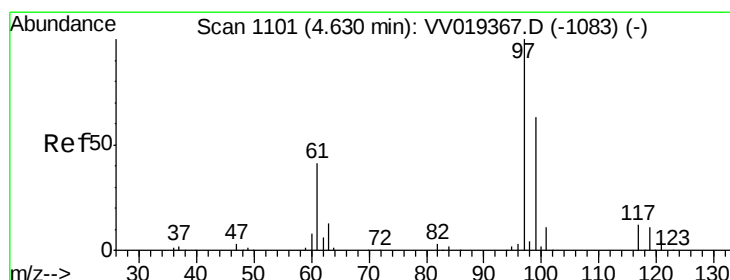
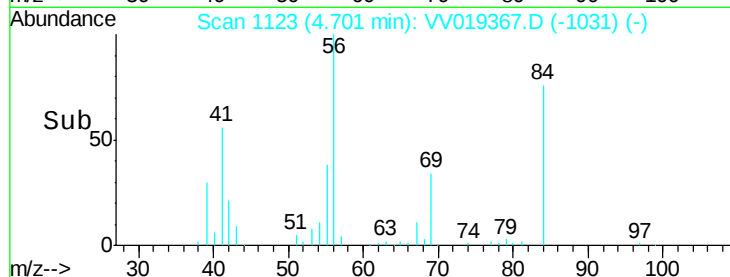
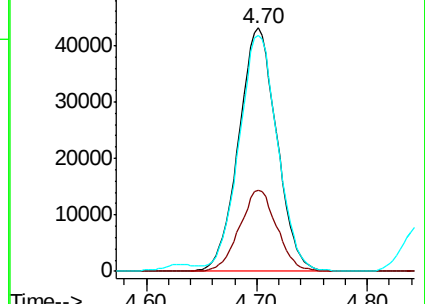
84 98.3 79.5 119.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.541 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

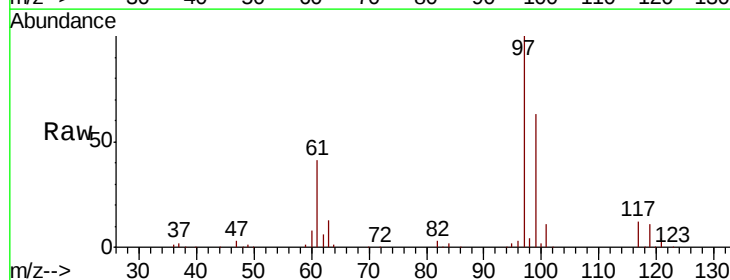
Tgt Ion: 97 Resp: 149387

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

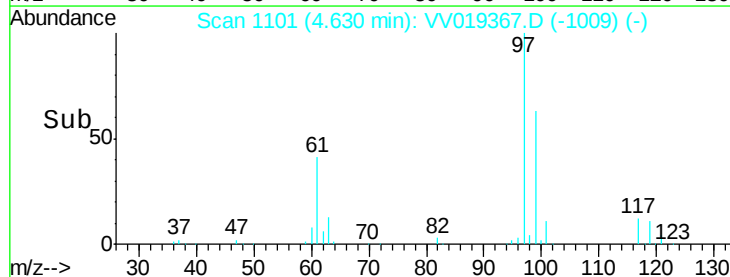
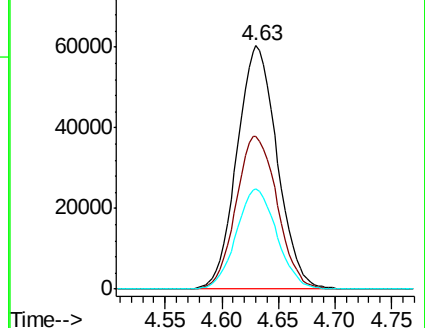
61 41.6 33.2 49.8

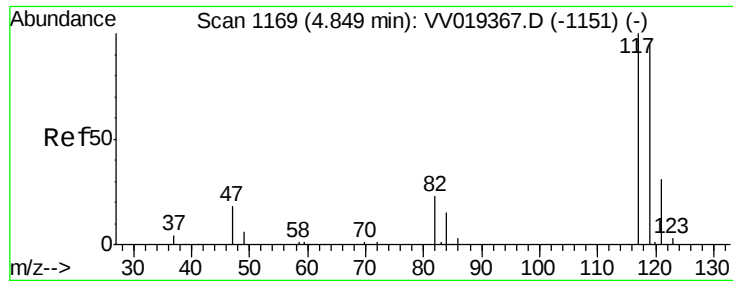


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

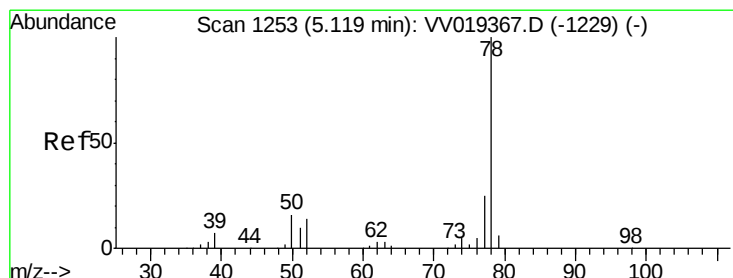
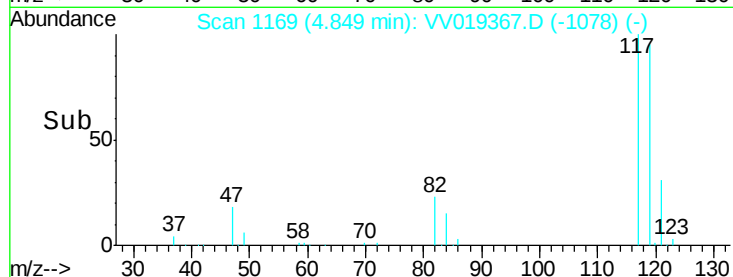
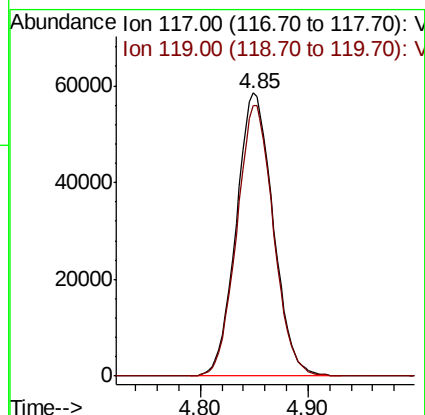
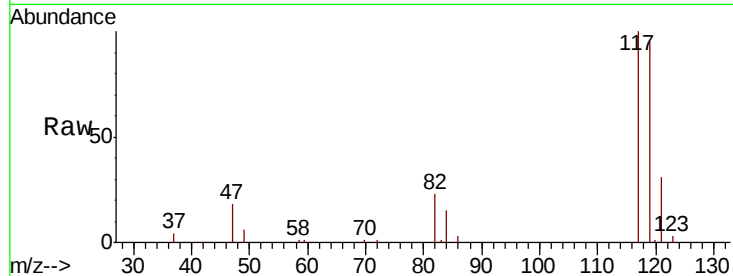




#31
Carbon tetrachloride
Concen: 53.424 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

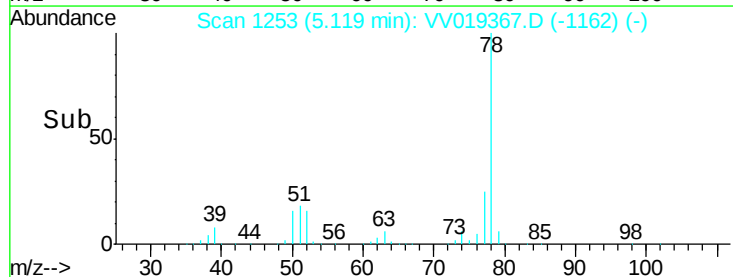
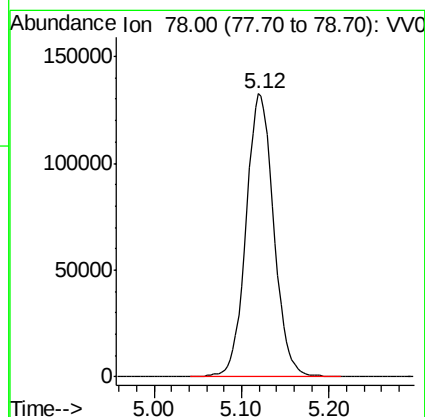
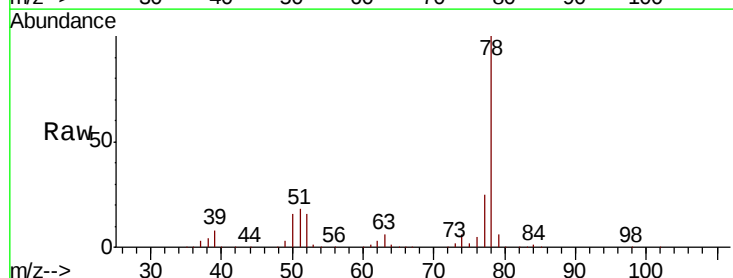
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

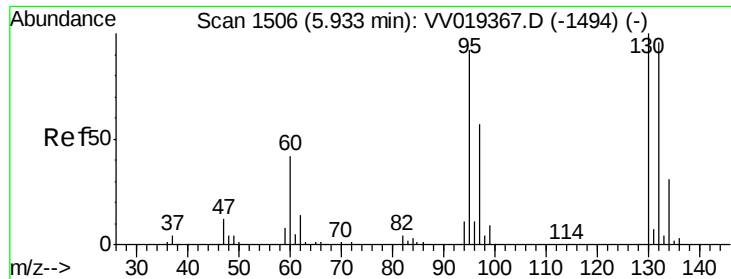
Tot Ion:117 Resp: 139443
Ion Ratio Lower Upper
117 100
119 94.9 77.0 115.4



#33
Benzene
Concen: 52.307 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Tgt Ion: 78 Resp: 291143

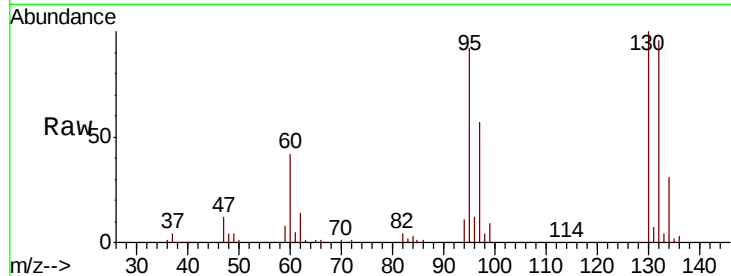




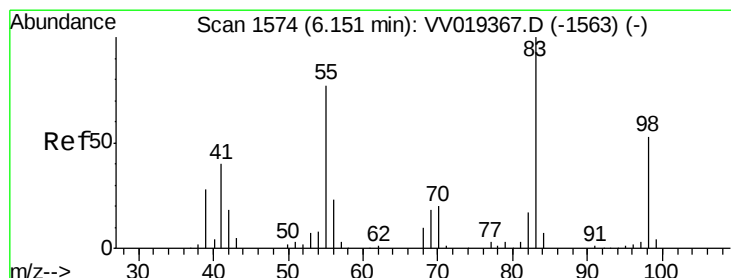
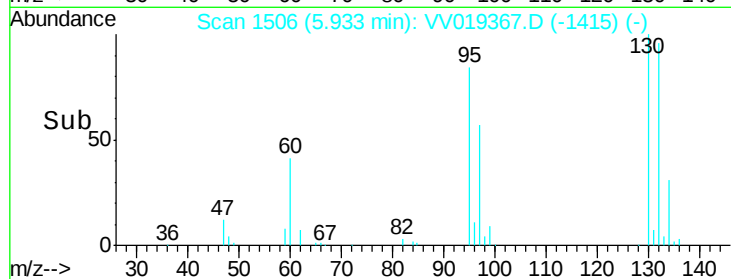
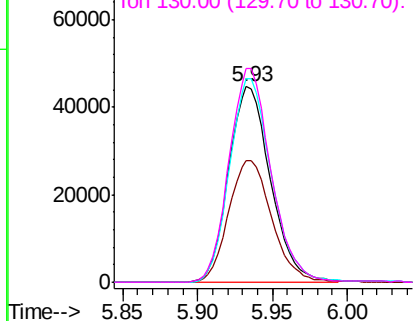
#34
 Trichloroethene
 Concen: 51.919 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion: 95 Resp: 87156
 Ion Ratio Lower Upper
 95 100
 97 62.2 46.8 86.8
 132 104.4 75.5 140.3
 130 109.2 77.7 144.3

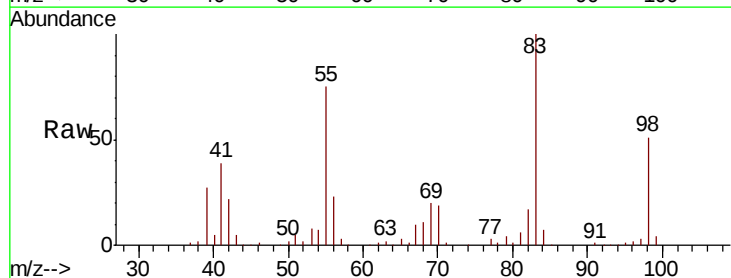


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

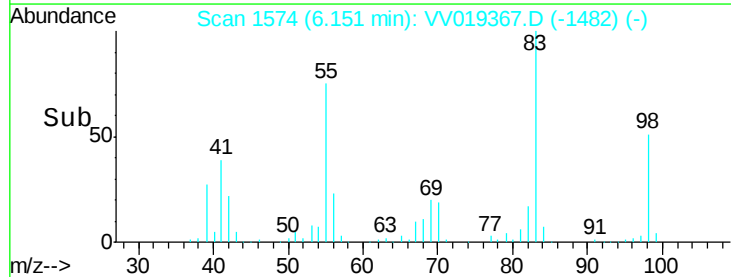
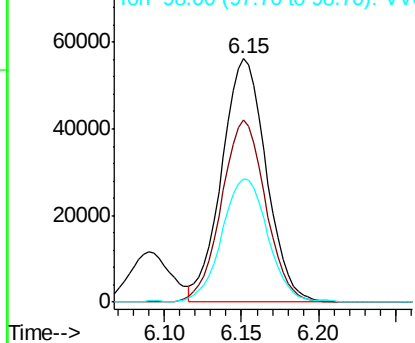


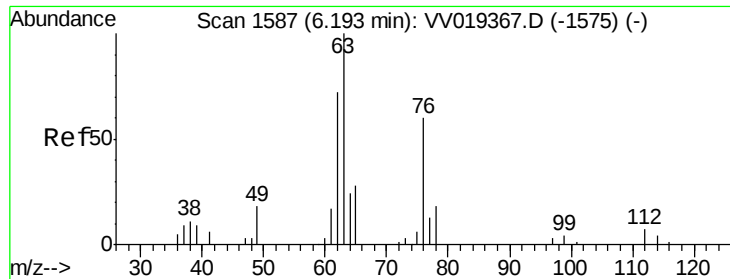
#35
 Methylcyclohexane
 Concen: 53.858 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

Tgt Ion: 83 Resp: 111734
 Ion Ratio Lower Upper
 83 100
 55 74.6 58.6 88.0
 98 52.7 41.4 62.0



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

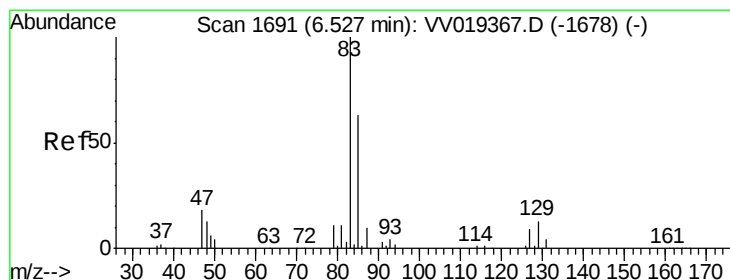
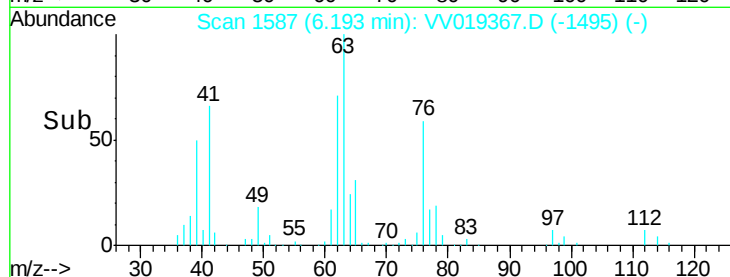
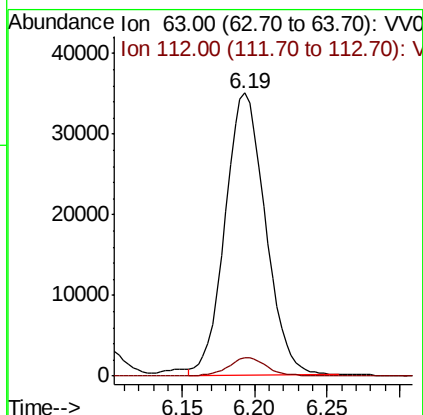
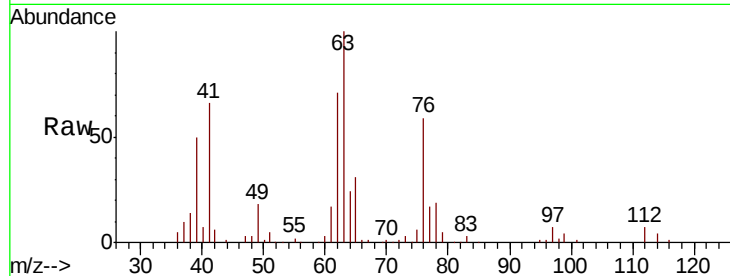




#37
 1,2-Dichloropropane
 Concen: 49.933 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

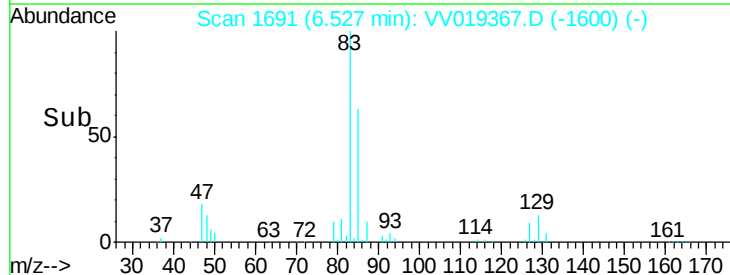
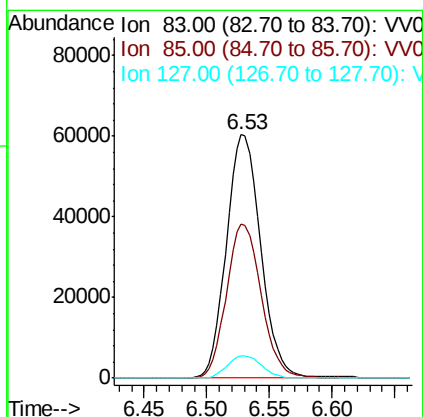
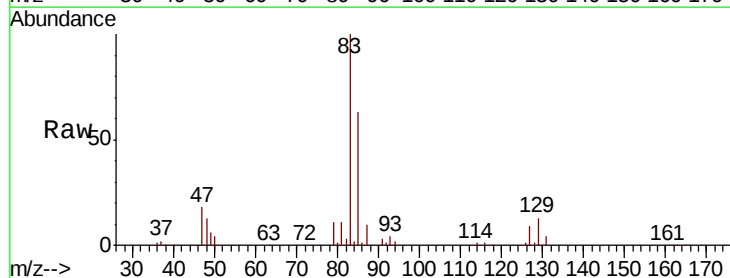
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

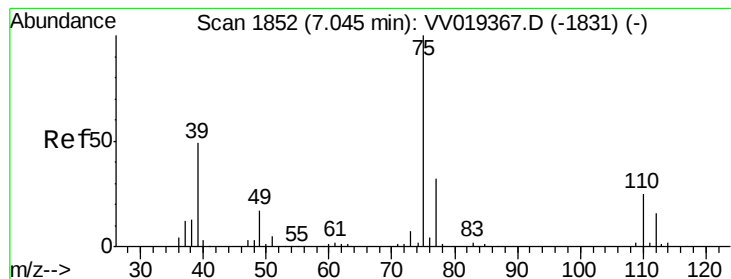
Tot Ion: 63 Resp: 67549
 Ion Ratio Lower Upper
 63 100
 112 6.2 4.6 6.8



#38
 Bromodichloromethane
 Concen: 52.321 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

Tgt Ion: 83 Resp: 115052
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.7
 127 9.3 7.2 10.8



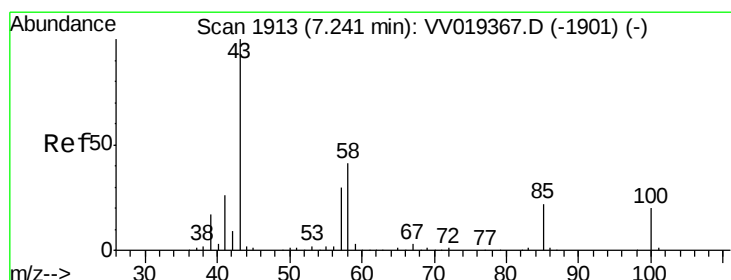
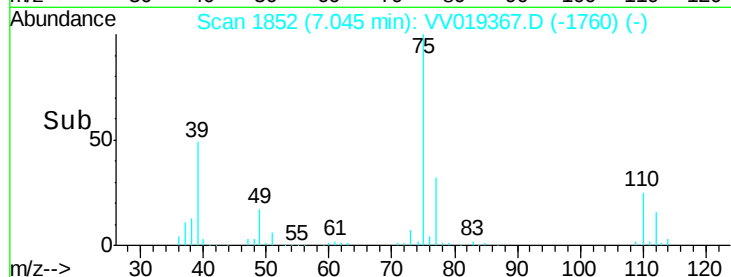
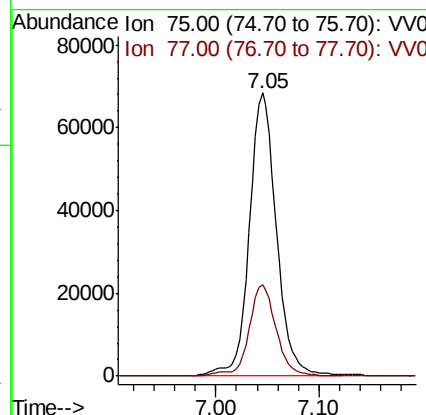
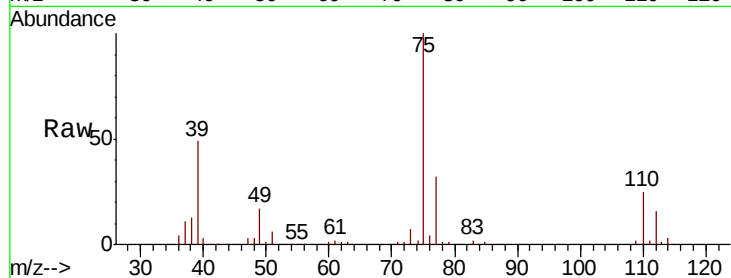


#39

cis-1,3-Dichloropropene
Concen: 53.888 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

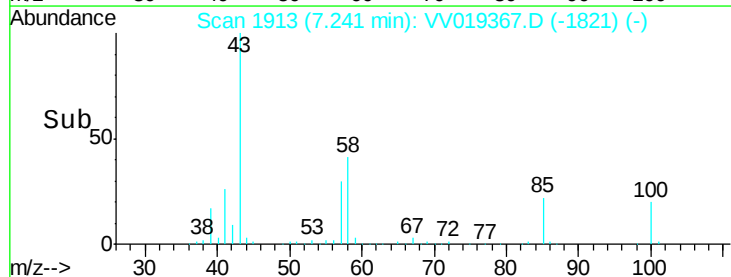
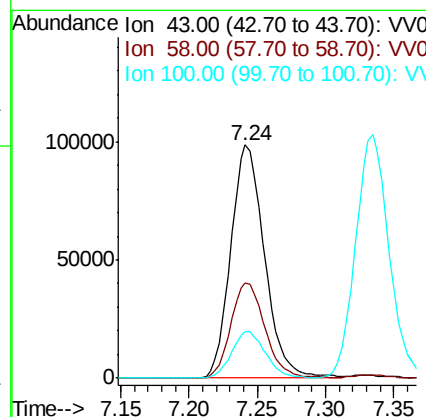
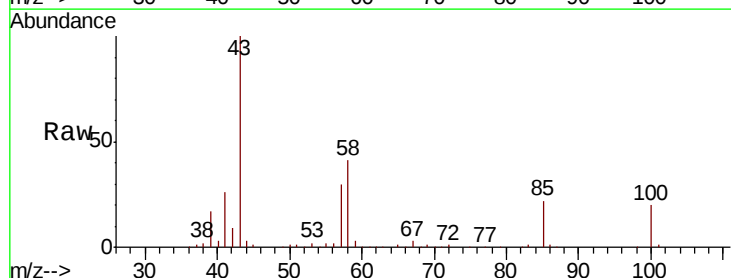
Tot Ion: 75 Resp: 124982
Ion Ratio Lower Upper
75 100
77 32.2 22.7 42.1

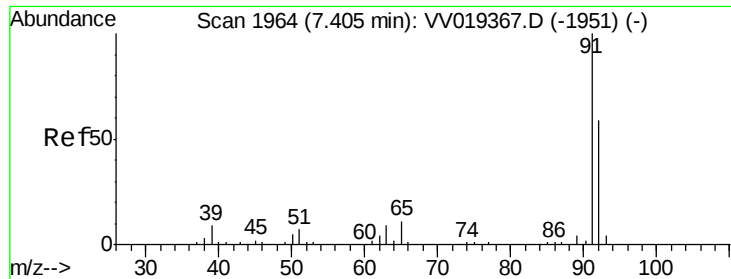


#40

4-Methyl-2-pentanone
Concen: 99.437 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Tgt Ion: 43 Resp: 169732
Ion Ratio Lower Upper
43 100
58 41.3 32.7 49.1
100 19.9 15.9 23.9





#42

Toluene

Concen: 53.971 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

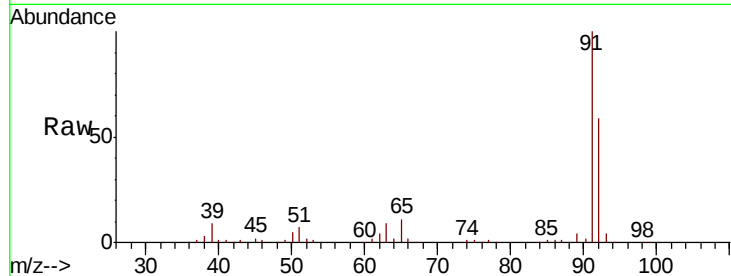
Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 91 Resp: 337923

Ion Ratio Lower Upper

91 100

92 59.1 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

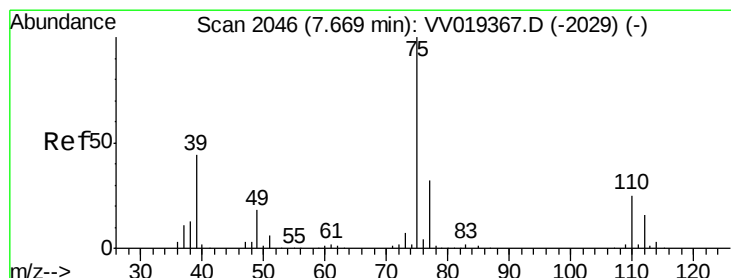
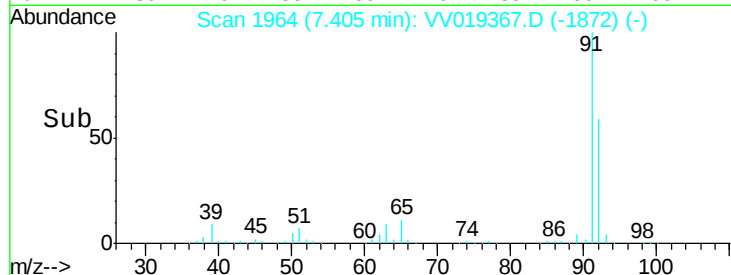
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.250 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019367.D

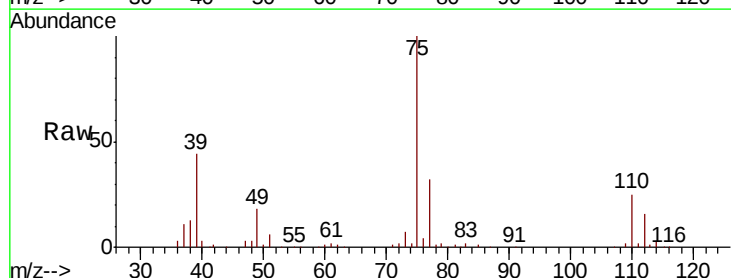
Acq: 13 Nov 2020 09:23

Tgt Ion: 75 Resp: 131549

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

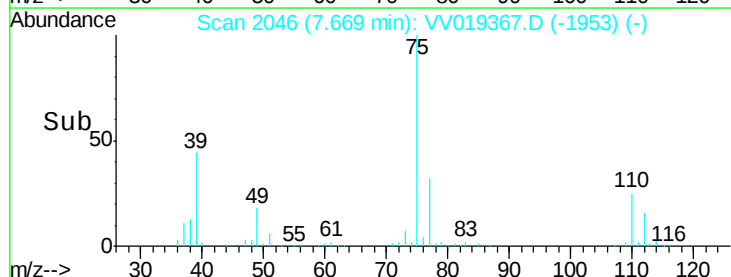
60000

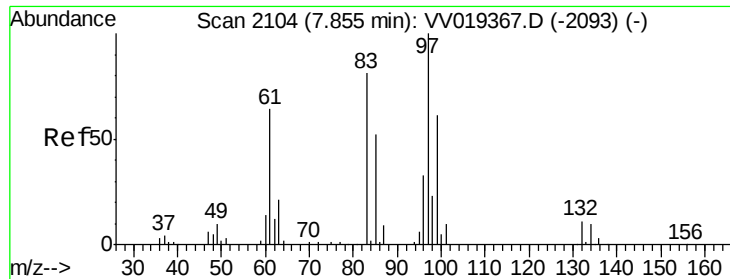
40000

20000

0

Time-->

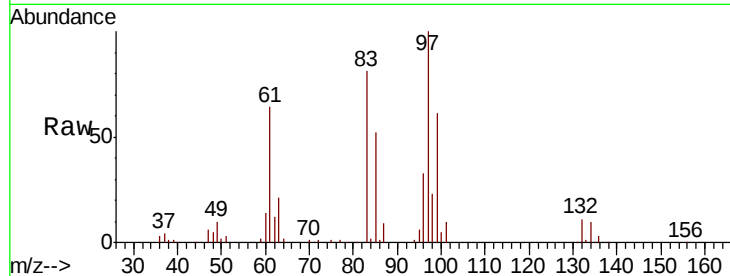




#45
 1,1,2-Trichloroethane
 Concen: 52.082 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

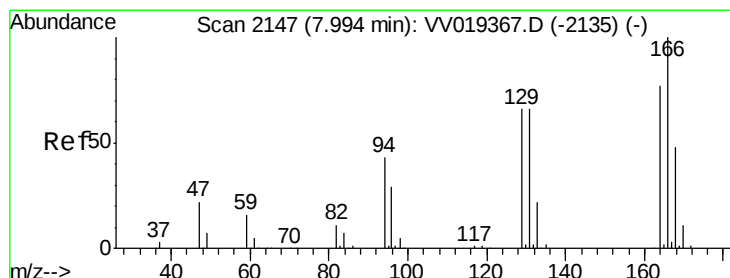
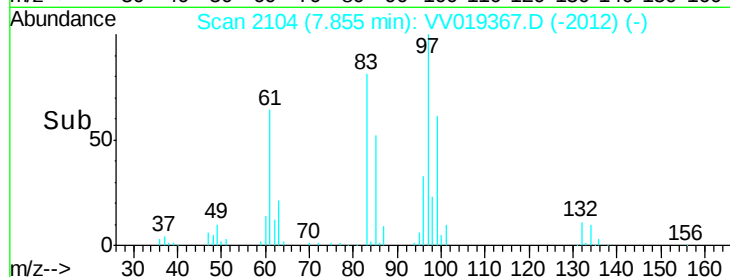
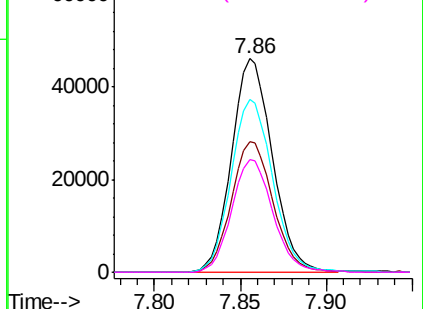
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion:	97	Resp:	76423
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.5	78.9
83	80.8	58.1	107.9
85	52.5	37.2	69.0



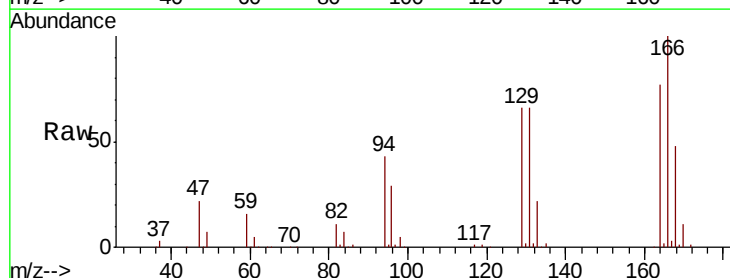
Abundance

Ion 97.00 (96.70 to 97.70): VV019367.D (-2093) (-)



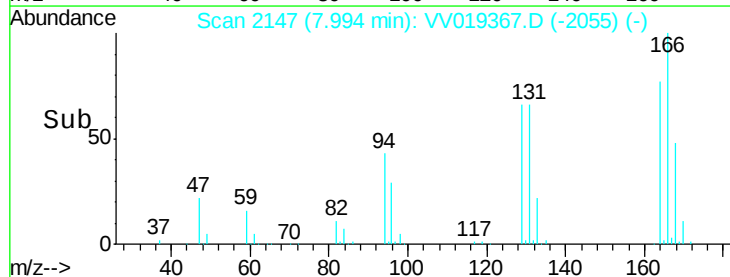
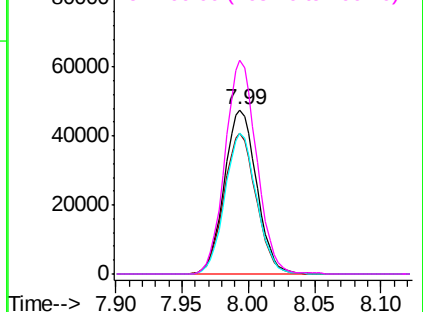
#46
 Tetrachloroethene
 Concen: 54.623 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

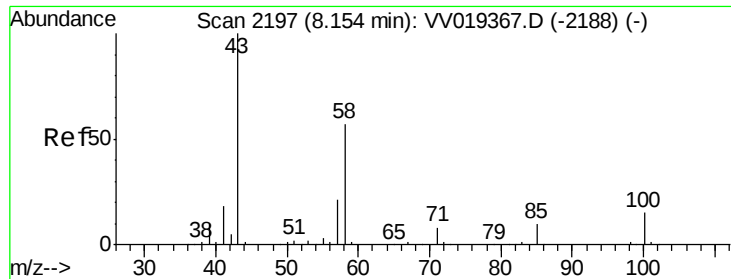
Tgt Ion:	164	Resp:	80771
Ion	Ratio	Lower	Upper
164	100		
129	85.5	60.9	113.1
131	85.2	58.9	109.5
166	129.8	91.4	169.8



Abundance

Ion 164.00 (163.70 to 164.70): VV019367.D (-2135) (-)

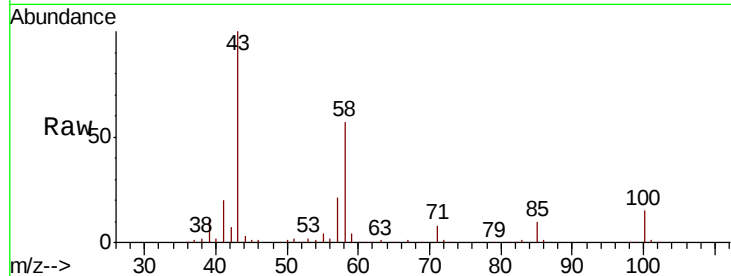




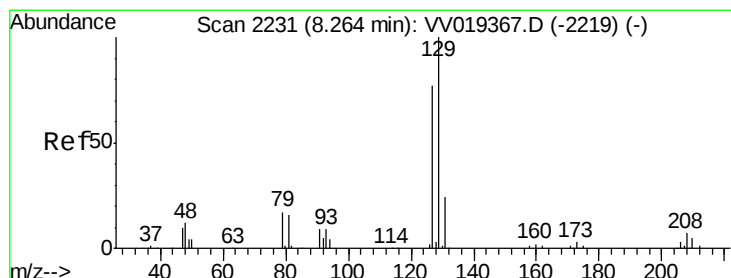
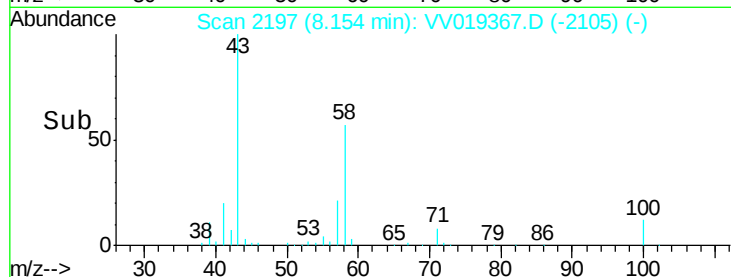
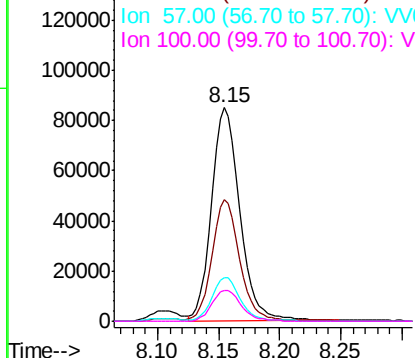
#48
2-Hexanone
Concen: 103.577 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tot Ion: 43 Resp: 138559
Ion Ratio Lower Upper
43 100
58 55.8 43.6 65.4
57 20.6 17.2 25.8
100 15.1 11.9 17.9

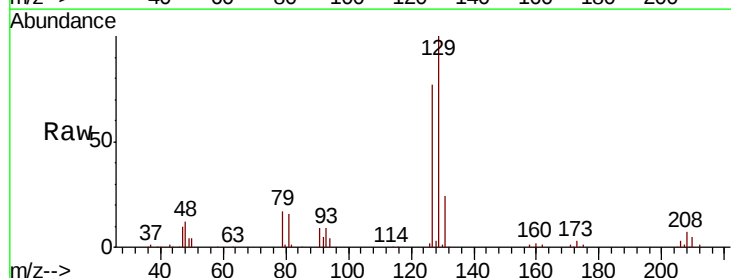


Abundance Ion 43.00 (42.70 to 43.70): VV019367.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV019367.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV019367.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV019367.D (-2188) (-)

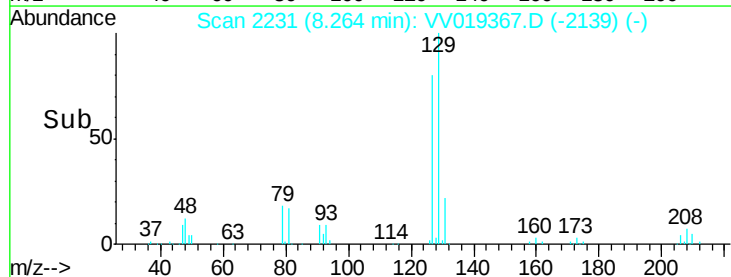
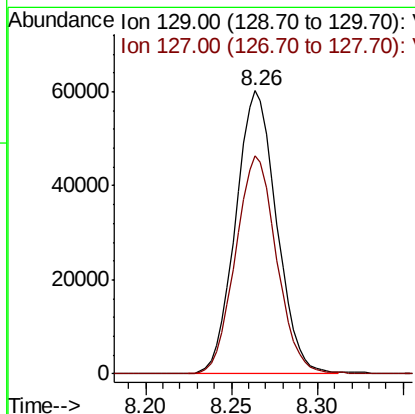


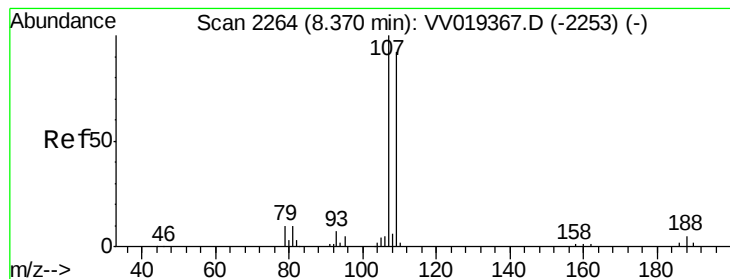
#49
Dibromochloromethane
Concen: 52.824 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019367.D
Acq: 13 Nov 2020 09:23

Tgt Ion: 129 Resp: 99475
Ion Ratio Lower Upper
129 100
127 77.0 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VV019367.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV019367.D (-2219) (-)





#50

1,2-Dibromoethane

Concen: 52.346 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

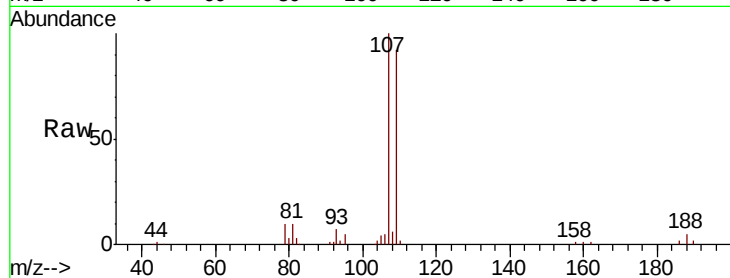
Tot Ion:107 Resp: 84036

Ion Ratio Lower Upper

107 100

109 92.2 62.9 116.9

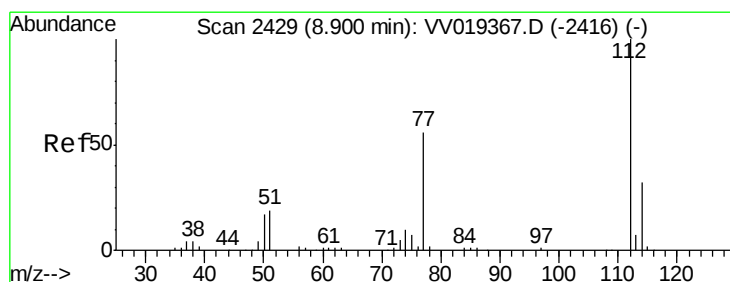
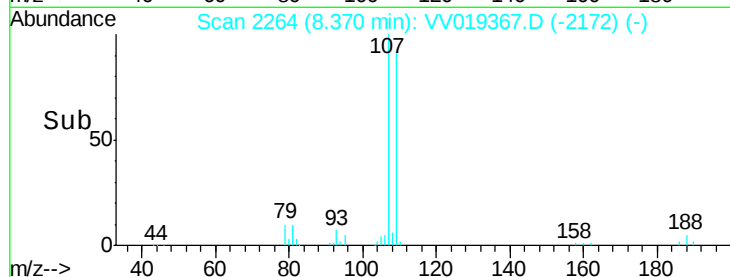
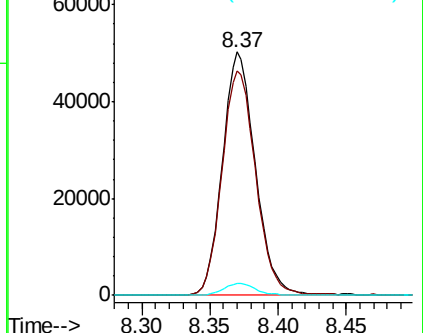
188 4.7 3.6 5.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 52.730 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

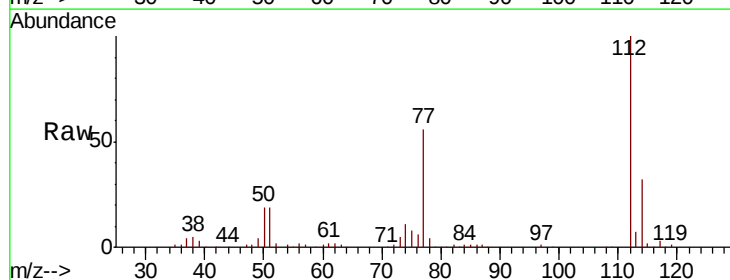
Tgt Ion:112 Resp: 227045

Ion Ratio Lower Upper

112 100

114 32.3 21.8 40.6

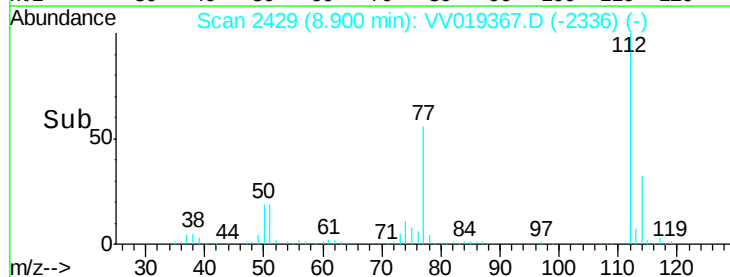
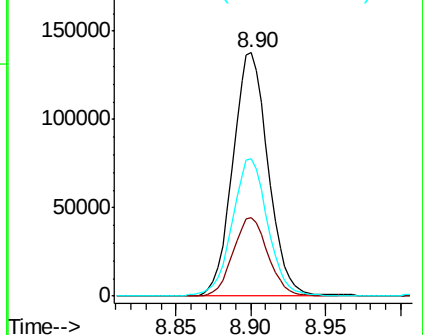
77 56.5 45.1 67.7

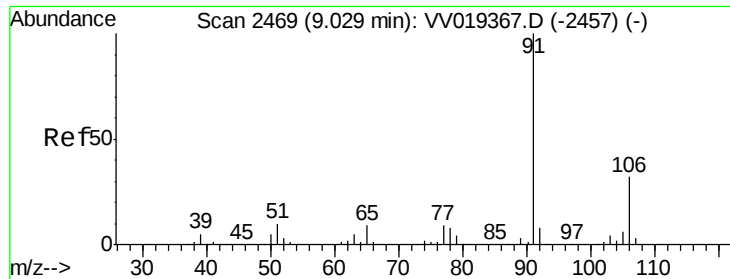


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 54.032 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

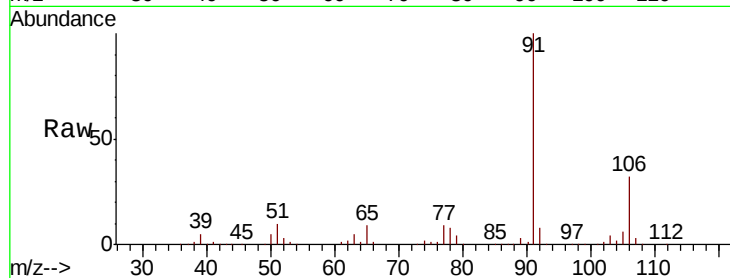
VSTD05097

Tot Ion: 91 Resp: 378346

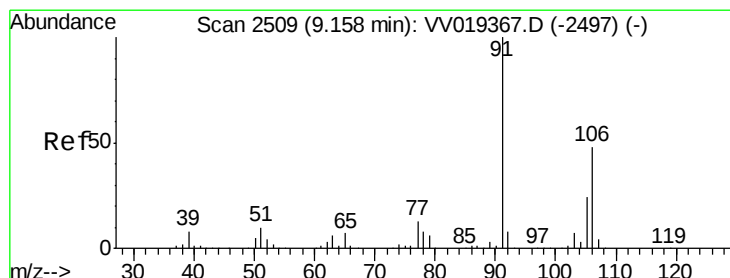
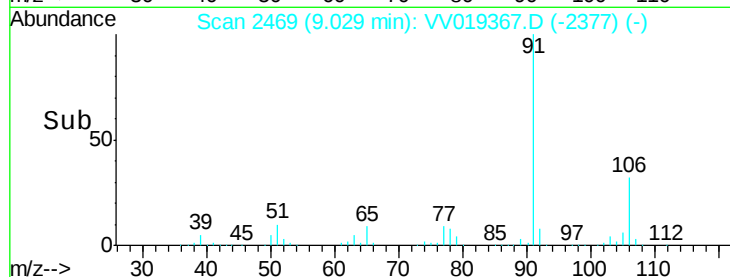
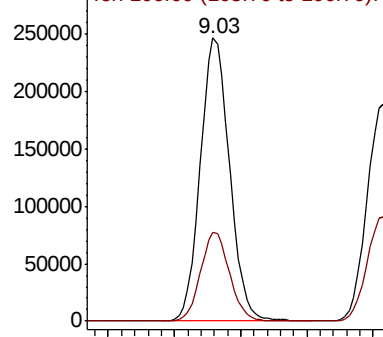
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV019367.D (-2457) (-)



#53

m,p-Xylene

Concen: 53.749 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019367.D

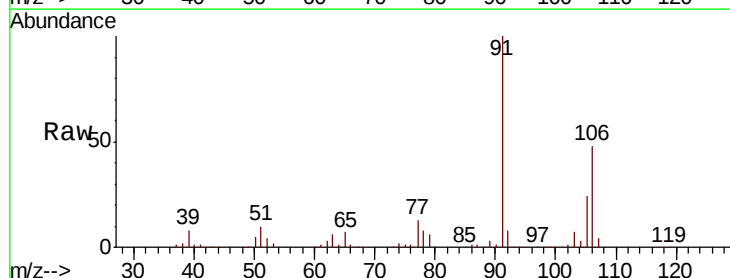
Acq: 13 Nov 2020 09:23

Tgt Ion: 106 Resp: 145738

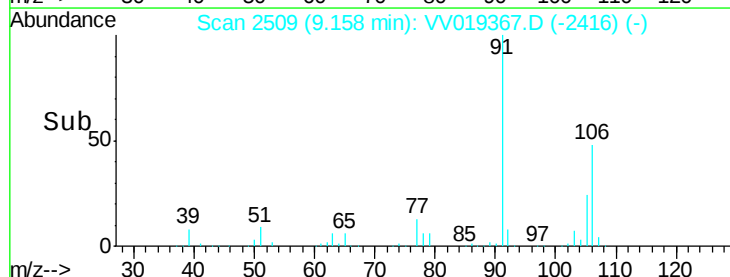
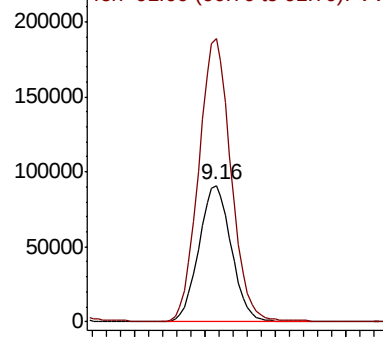
Ion Ratio Lower Upper

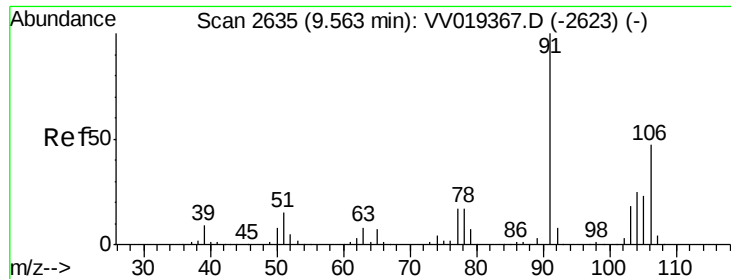
106 100

91 207.8 144.9 269.1



Abundance Ion 106.00 (105.70 to 106.70): VV019367.D (-2497) (-)





#54

o-xylene

Concen: 54.197 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

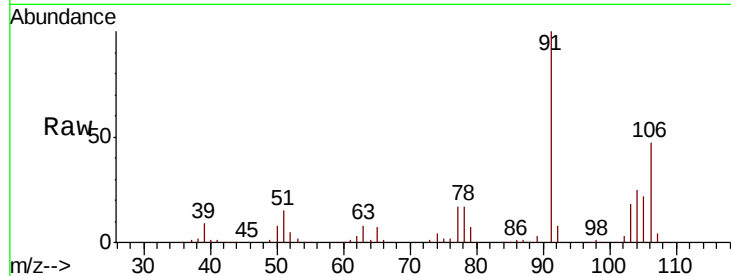
VSTD05097

Tot Ion:106 Resp: 142111

Ion Ratio Lower Upper

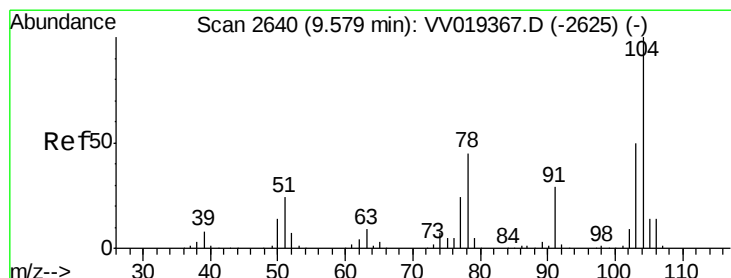
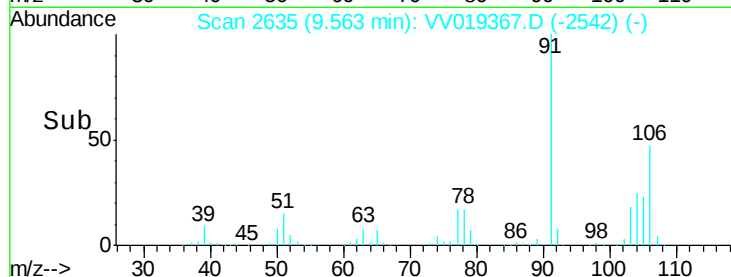
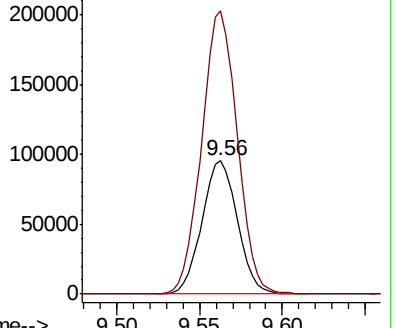
106 100

91 212.1 149.3 277.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.880 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019367.D

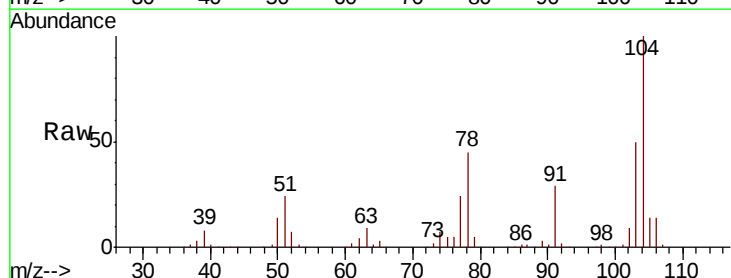
Acq: 13 Nov 2020 09:23

Tgt Ion:104 Resp: 259126

Ion Ratio Lower Upper

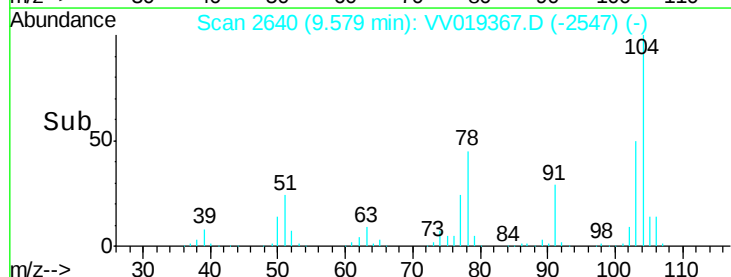
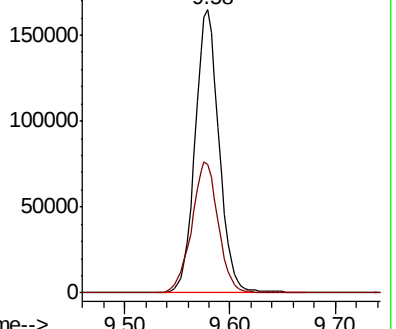
104 100

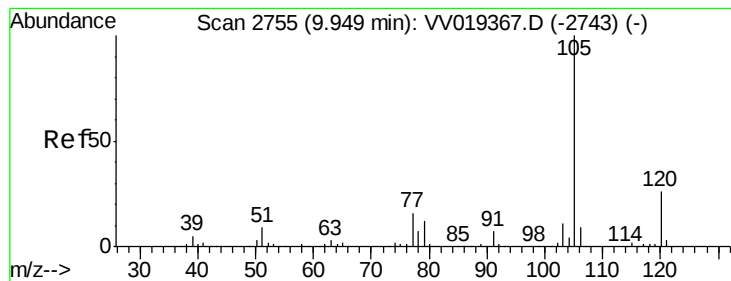
78 45.4 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 55.141 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

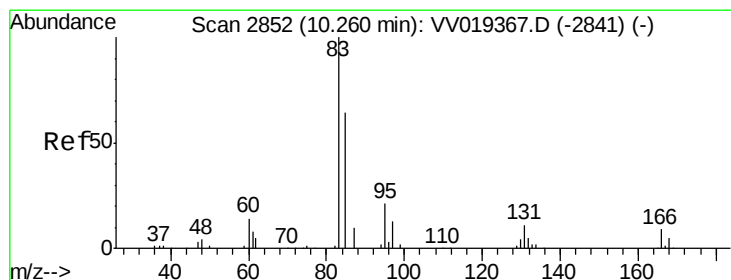
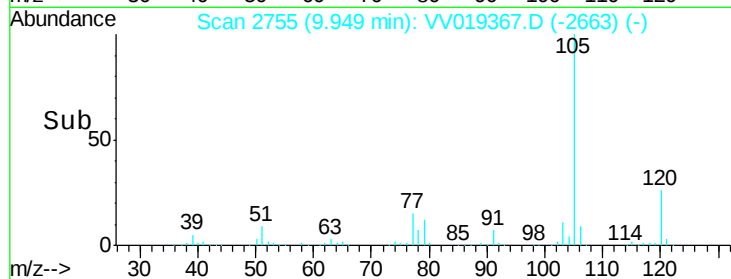
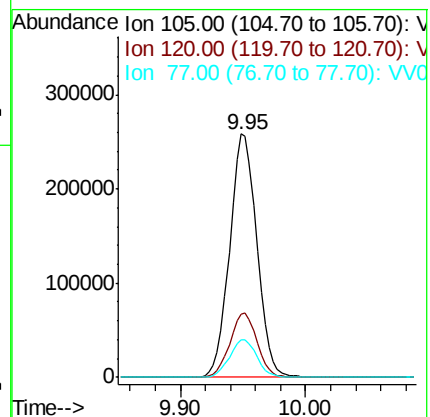
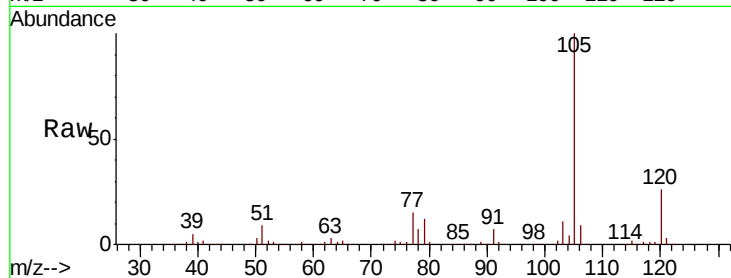
Tot Ion:105 Resp: 388227

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

77 15.5 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 52.269 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

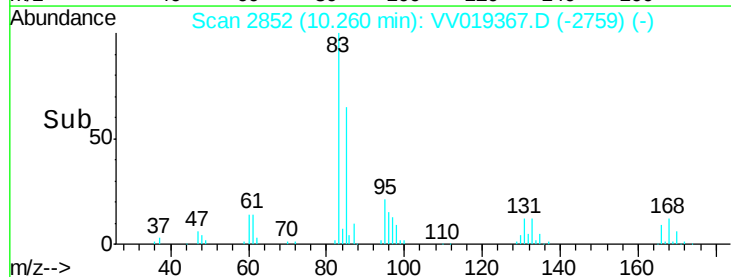
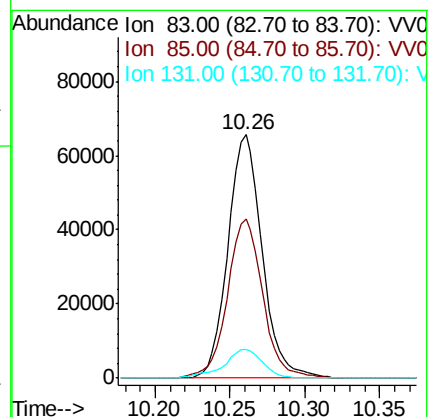
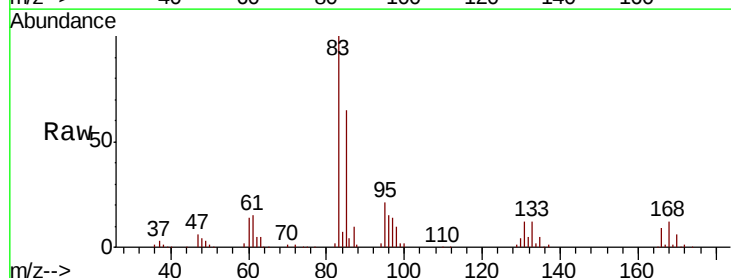
Tgt Ion: 83 Resp: 104804

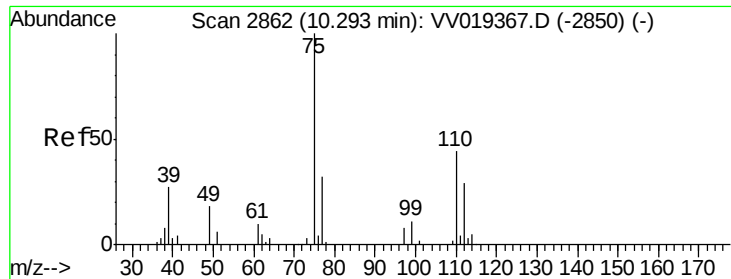
Ion Ratio Lower Upper

83 100

85 65.3 45.1 83.9

131 11.9 9.6 14.4





#59

1,2,3-Trichloropropane

Concen: 51.108 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

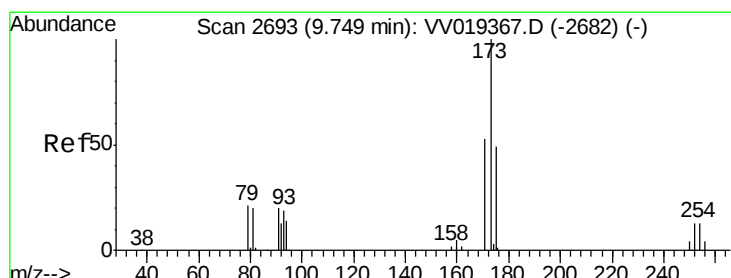
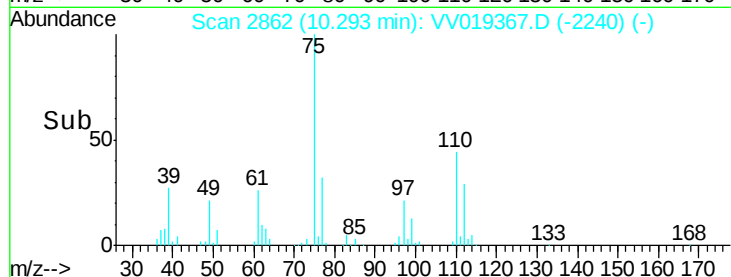
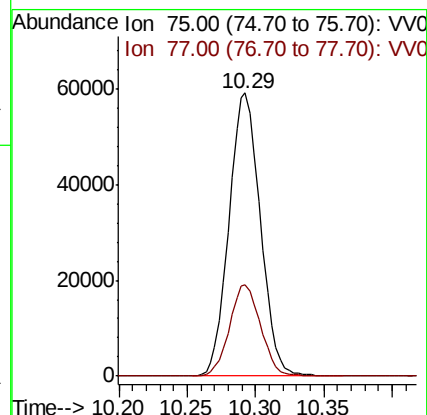
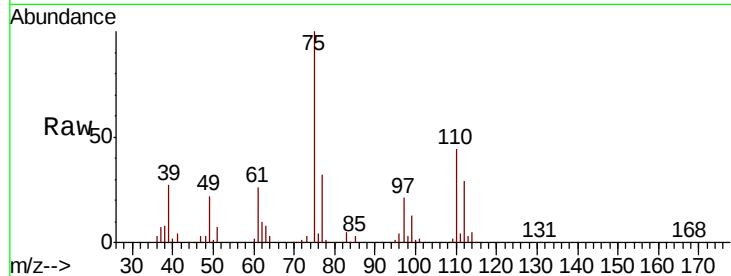
VSTD05097

Tot Ion: 75 Resp: 94419

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#61

Bromoform

Concen: 50.356 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

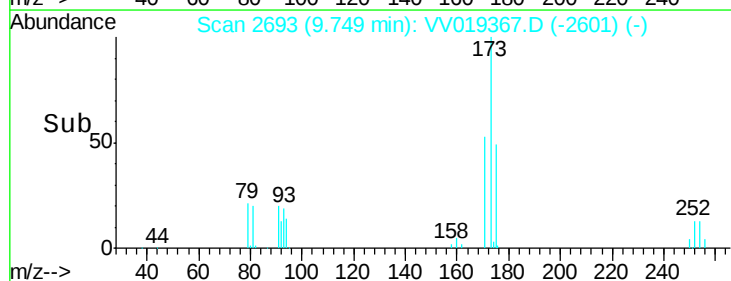
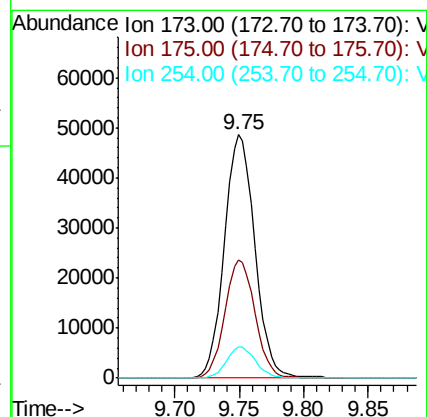
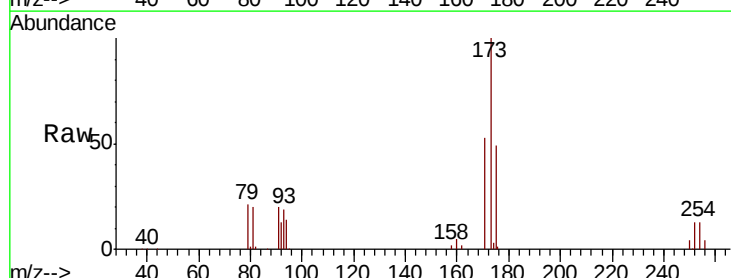
Tgt Ion: 173 Resp: 79744

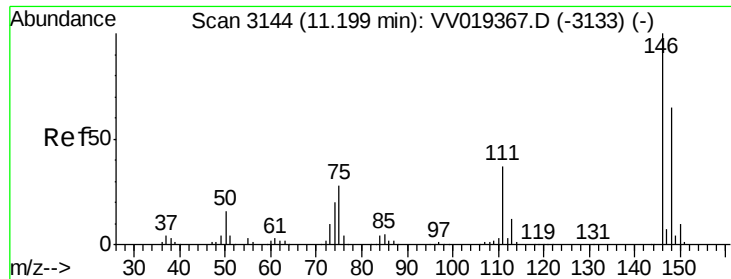
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 12.2 10.3 15.5





#62

1,3-Dichlorobenzene

Concen: 52.884 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

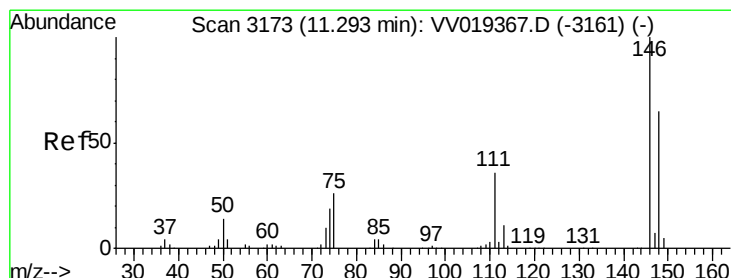
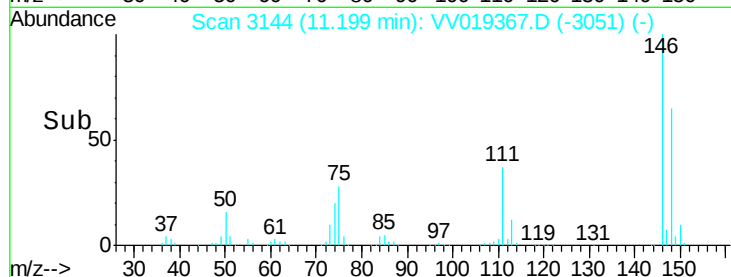
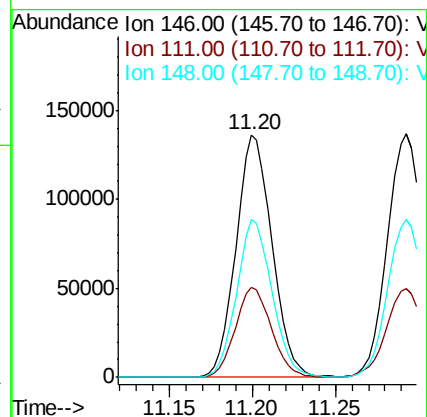
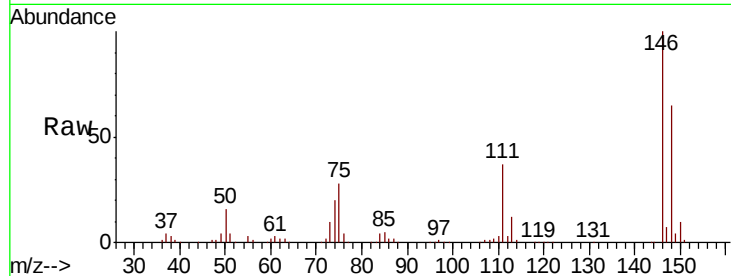
Tot Ion:146 Resp: 206669

Ion Ratio Lower Upper

146 100

111 37.4 26.5 49.3

148 65.0 44.5 82.7



#63

1,4-Dichlorobenzene

Concen: 51.330 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

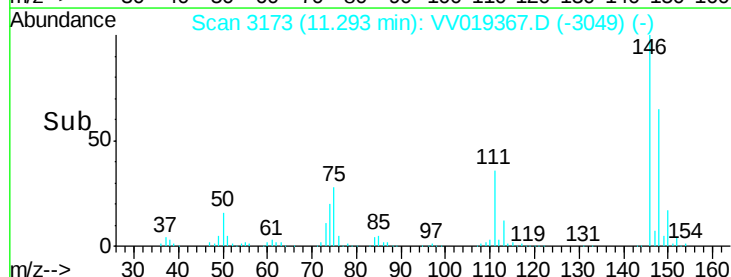
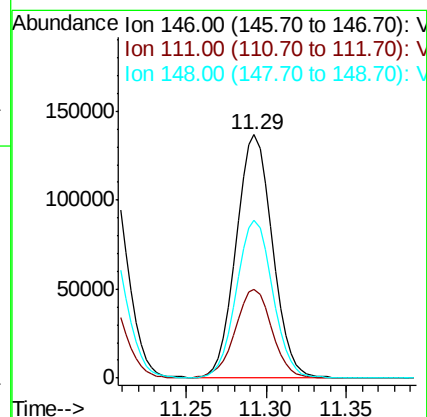
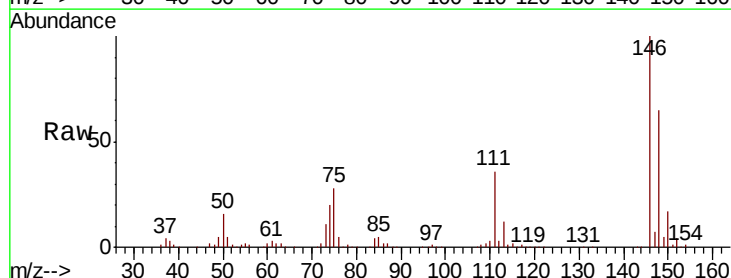
Tgt Ion:146 Resp: 209845

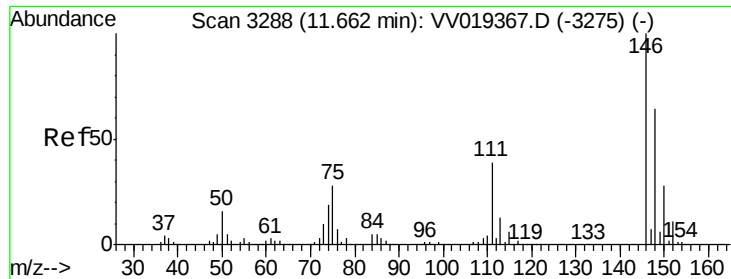
Ion Ratio Lower Upper

146 100

111 36.5 25.1 46.7

148 64.7 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 51.538 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

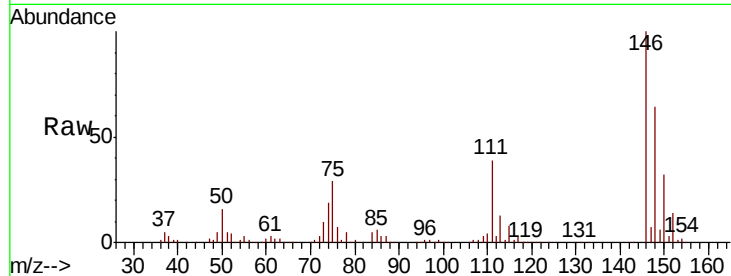
Tot Ion:146 Resp: 203787

Ion Ratio Lower Upper

146 100

111 39.3 30.6 45.8

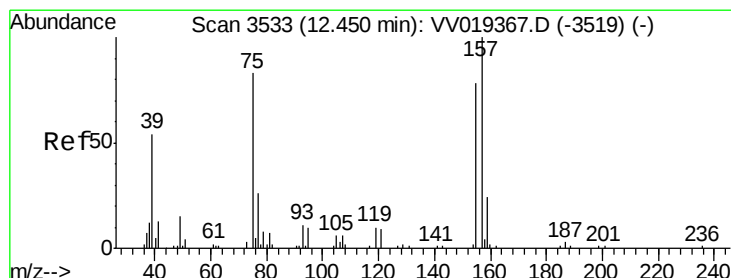
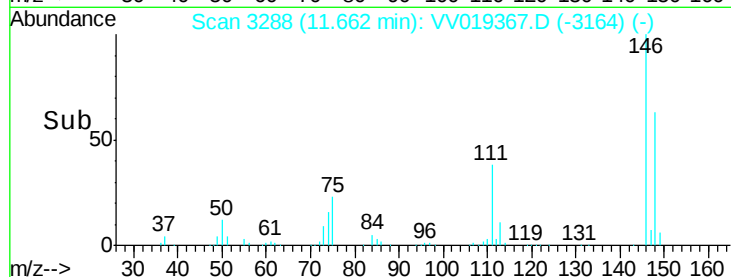
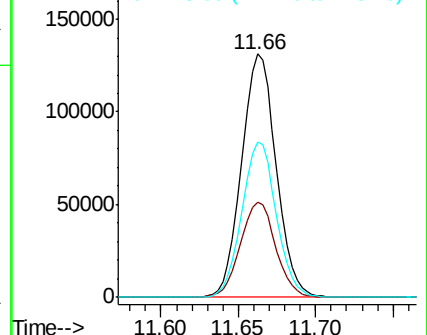
148 63.5 50.6 75.8



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: 49.185 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

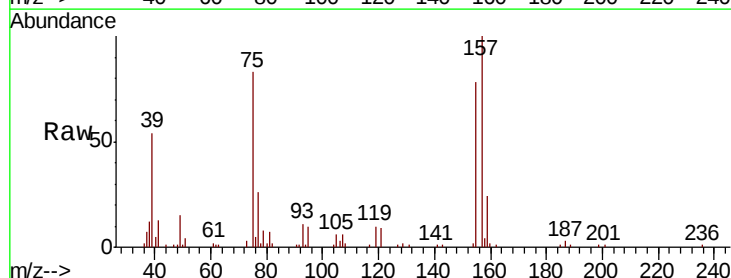
Tgt Ion: 75 Resp: 28091

Ion Ratio Lower Upper

75 100

155 94.2 72.2 108.2

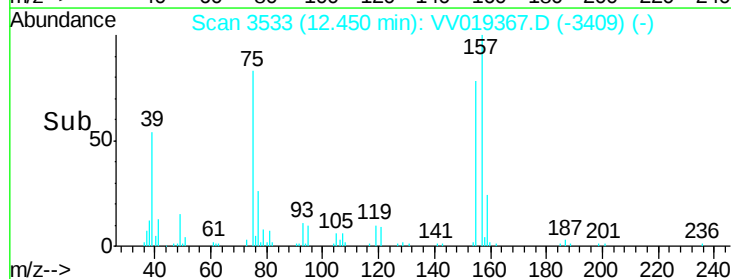
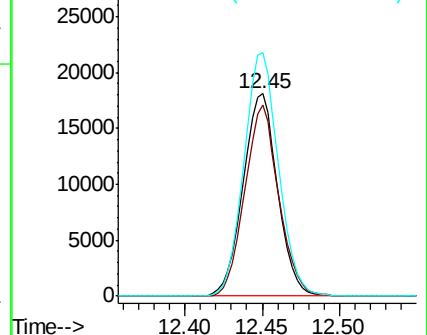
157 120.2 94.1 141.1

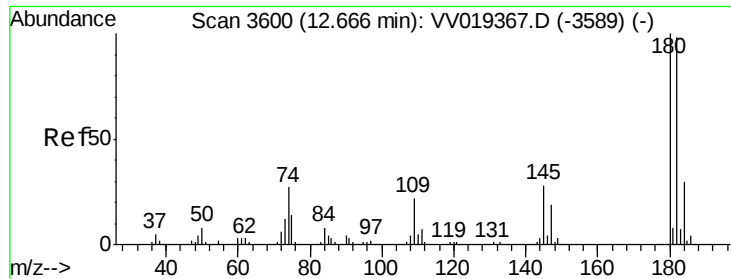


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

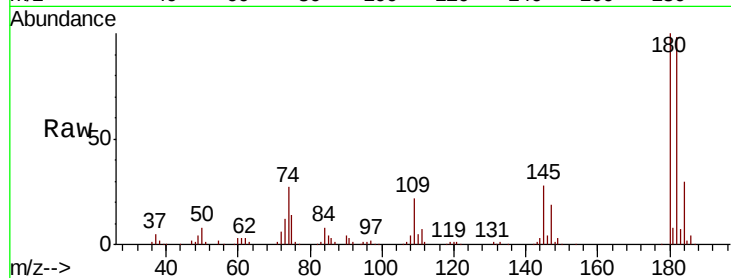




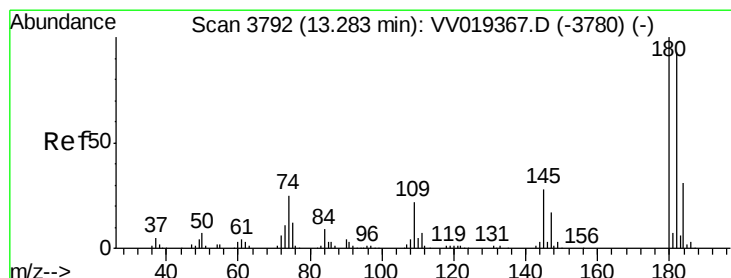
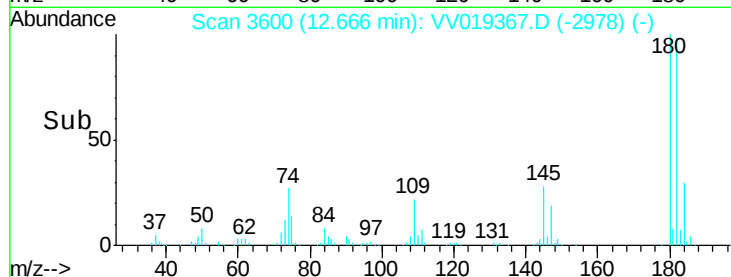
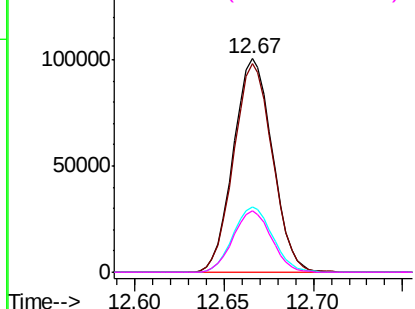
#67
 1,3,5-Trichlorobenzene
 Concen: 51.208 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tot Ion:180 Resp: 153414
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.5 114.7
 184 30.8 24.6 36.8
 145 28.2 22.4 33.6

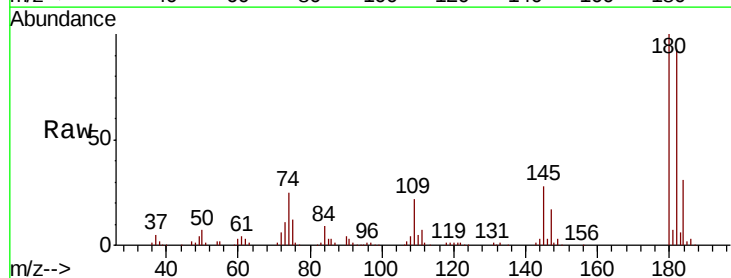


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

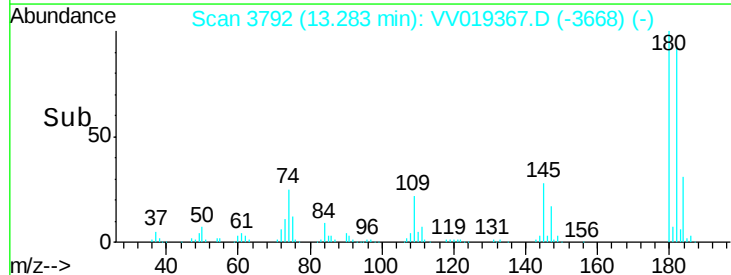
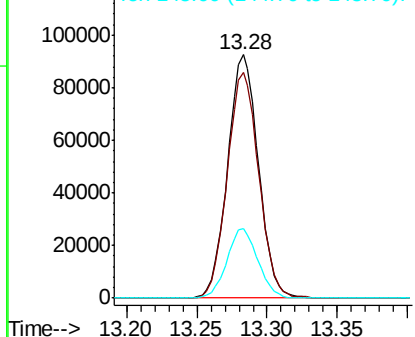


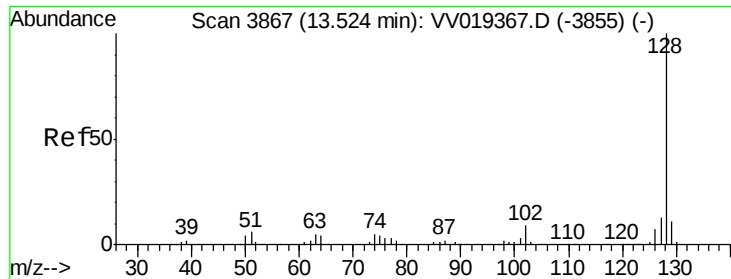
#68
 1,2,4-trichlorobenzene
 Concen: 52.529 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019367.D
 Acq: 13 Nov 2020 09:23

Tgt Ion:180 Resp: 141574
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.0 115.4
 145 28.5 22.5 33.7



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





#69

Naphthalene

Concen: 51.185 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

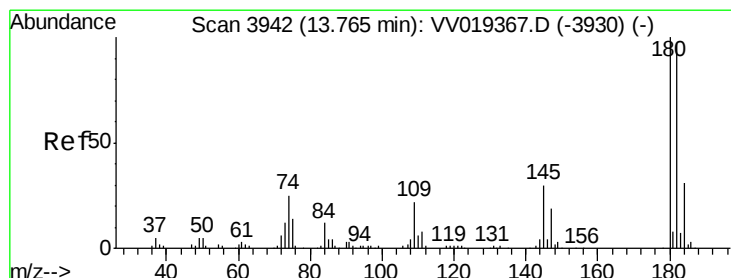
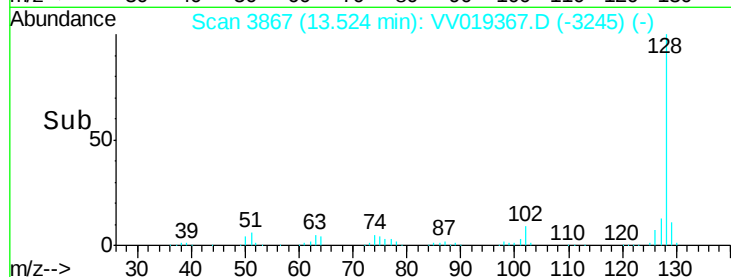
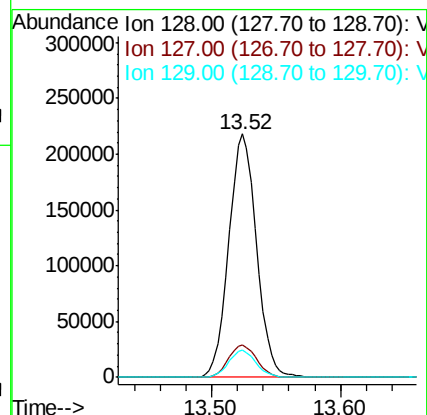
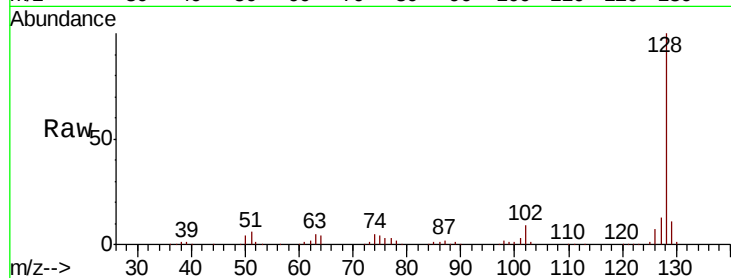
Tot Ion:128 Resp: 325784

Ion Ratio Lower Upper

128 100

127 13.5 10.9 16.3

129 11.0 8.7 13.1



#70

1,2,3-Trichlorobenzene

Concen: 52.491 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019367.D

Acq: 13 Nov 2020 09:23

Tgt Ion:180 Resp: 142352

Ion Ratio Lower Upper

180 100

182 97.1 76.0 114.0

145 30.0 24.2 36.2

