

Data File : VV013557.D
Acq On : 08 Nov 2019 22:57
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Nov 08 23:29:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 22:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	407702	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	398525	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	216355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81226	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	75143	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	167082	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	3.97	46	314153	51.00	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	4.40	84	226024	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	120491	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.09	84	404641	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.11	67	140301	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	356262	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.66	79	51047	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.14	63	232641	55.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	110099	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	169484	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	205599	5.154 ug/L	99
3) Chloromethane	1.25	50	185936	5.215 ug/L	100
5) Vinyl chloride	1.32	62	173583	5.058 ug/L	100
6) Bromomethane	1.53	94	91849	5.082 ug/L	96
8) Chloroethane	1.60	64	93787	4.949 ug/L	98
9) Trichlorofluoromethane	1.77	101	241500	5.228 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	130224	5.030 ug/L	97
12) 1,1-Dichloroethene	2.14	96	125135	5.104 ug/L	92
13) Acetone	2.23	43	158608	42.442 ug/L	78
14) Carbon disulfide	2.31	76	366777	4.977 ug/L	99
15) Methyl Acetate	2.47	43	49897	4.466 ug/L	96
16) Methylene chloride	2.53	84	155715	4.848 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	342143	5.282 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	159728	5.250 ug/L	98
19) 1,1-Dichloroethane	3.23	63	292017	5.144 ug/L	97
21) 2-Butanone	4.05	43	382756	55.995 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	166069	5.293 ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 22:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	73322	5.047	ug/L	96
25) Chloroform	4.42	83	312954	5.055	ug/L	99
27) 1,2-Dichloroethane	5.18	62	178110	5.328	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	251939	5.099	ug/L	99
30) Cyclohexane	4.72	56	255704	5.142	ug/L	98
31) Carbon tetrachloride	4.87	117	225147	5.081	ug/L	100
33) Benzene	5.14	78	639895	5.167	ug/L	100
34) Trichloroethene	5.96	95	169634	5.081	ug/L	99
35) Methylcyclohexane	6.17	83	259355	5.110	ug/L	100
37) 1,2-Dichloropropane	6.22	63	156563	5.141	ug/L	99
38) Bromodichloromethane	6.55	83	199010	5.062	ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	216310	5.112	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	943615	53.865	ug/L	99
42) Toluene	7.43	91	689256	5.352	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	164814	4.954	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	105341	5.033	ug/L	97
47) Tetrachloroethene	8.02	164	149806	5.132	ug/L	98
48) 2-Hexanone	8.18	43	677523	54.624	ug/L	99
49) Dibromochloromethane	8.29	129	134868	5.165	ug/L	100
50) 1,2-Dibromoethane	8.39	107	102538	5.246	ug/L	95
51) Chlorobenzene	8.92	112	430288	5.065	ug/L	99
52) Ethylbenzene	9.05	91	721347	5.228	ug/L	98
53) m,p-xylene	9.18	106	281537	5.471	ug/L	95
54) o-xylene	9.58	106	267020	5.402	ug/L	99
55) Styrene	9.60	104	460309	5.491	ug/L	97
56) Isopropylbenzene	9.97	105	709932	5.320	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	114831	5.139	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	93518	5.172	ug/L	97
61) Bromoform	9.77	173	78285	5.105	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	375652	5.175	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	363557	5.014	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	333478	5.022	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	16220	4.797	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	286159	5.054	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	224439	4.974	ug/L	100
69) Naphthalene	13.55	128	309269	5.075	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	216186	5.104	ug/L	99

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

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```
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

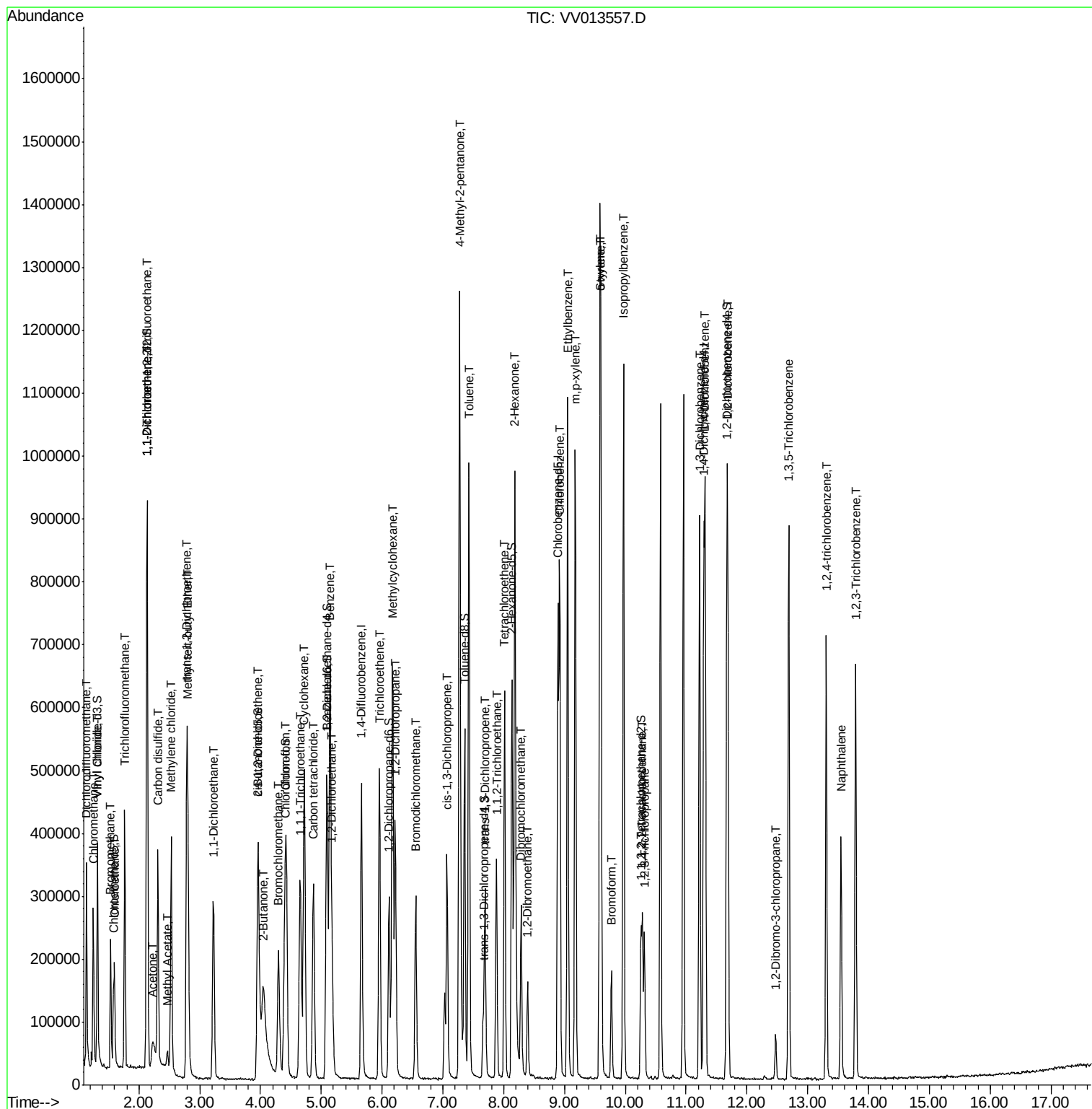
Quant Time: Nov 08 23:29:15 2019

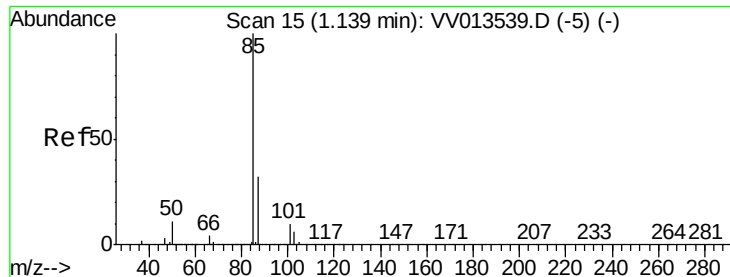
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR110819WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.154 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

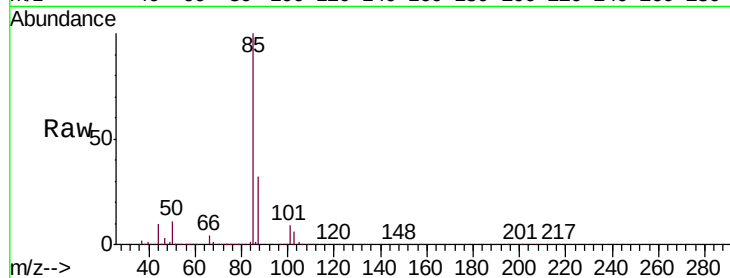
VSTD00551

Tgt Ion: 85 Resp: 205599

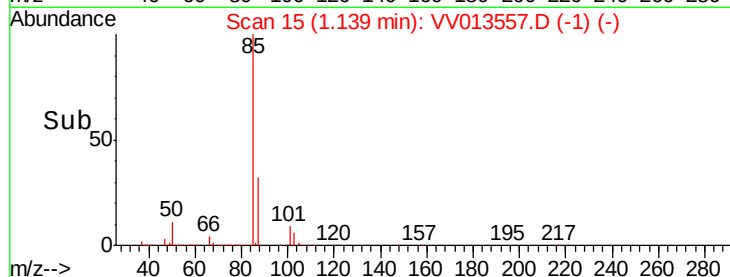
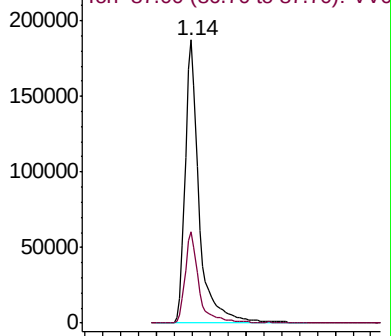
Ion Ratio Lower Upper

85 100

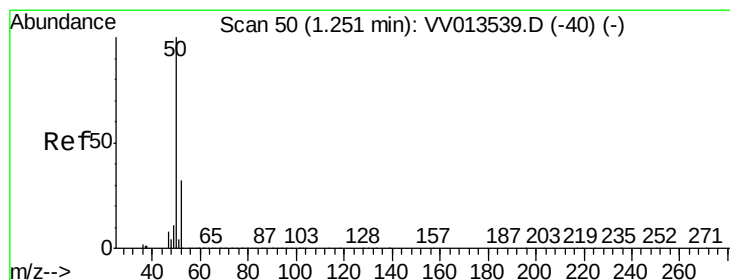
87 31.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013557.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 5.215 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013557.D

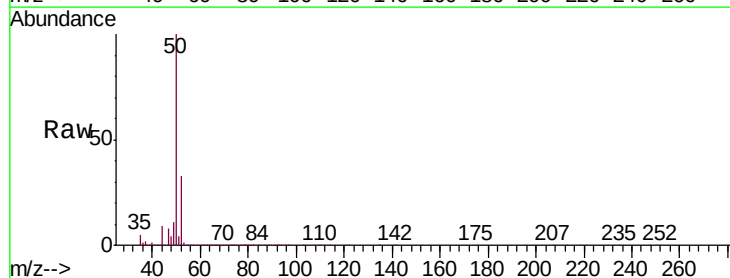
Acq: 08 Nov 2019 22:57

Tgt Ion: 50 Resp: 185936

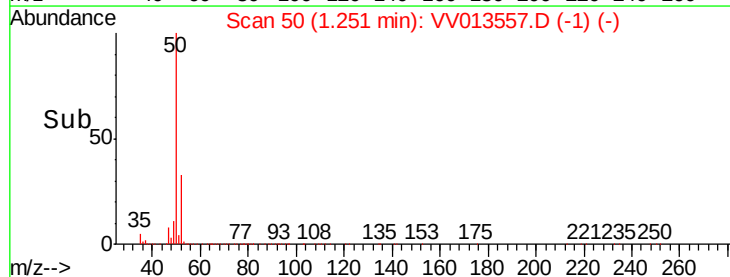
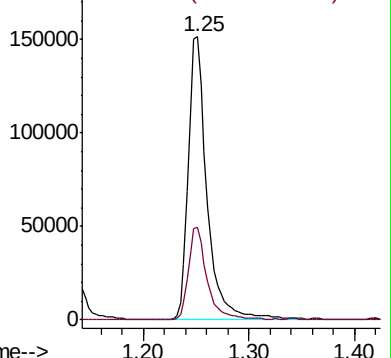
Ion Ratio Lower Upper

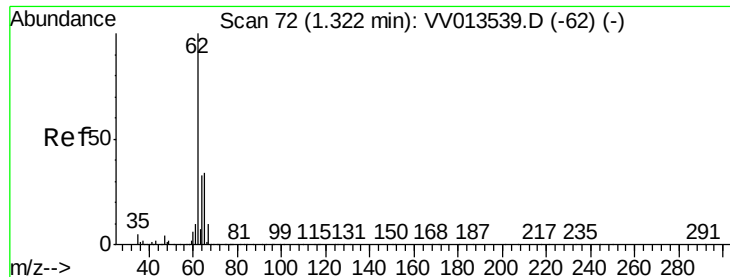
50 100

52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV013557.D (-1) (-)





#5

Vinyl chloride

Concen: 5.058 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

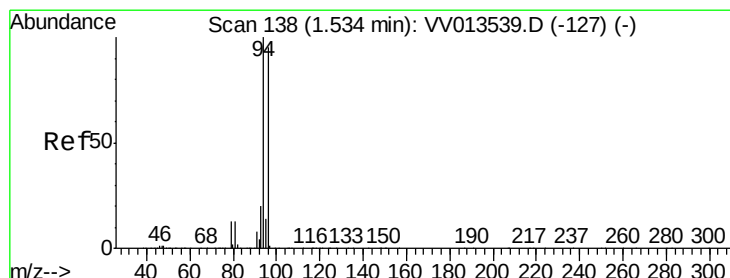
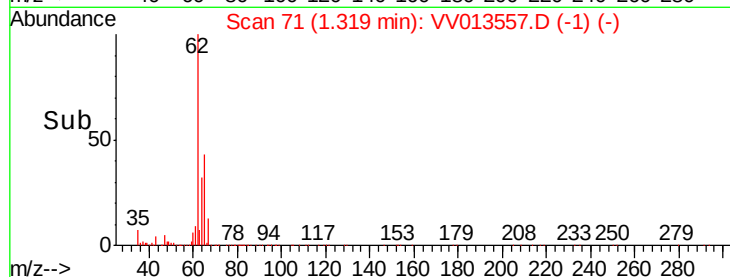
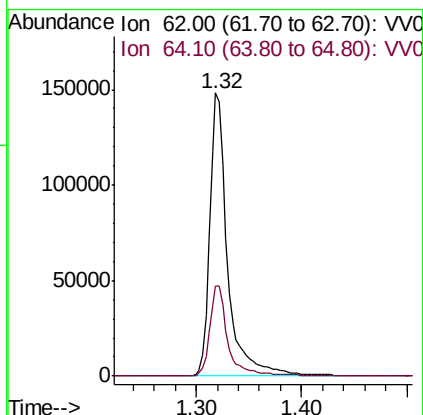
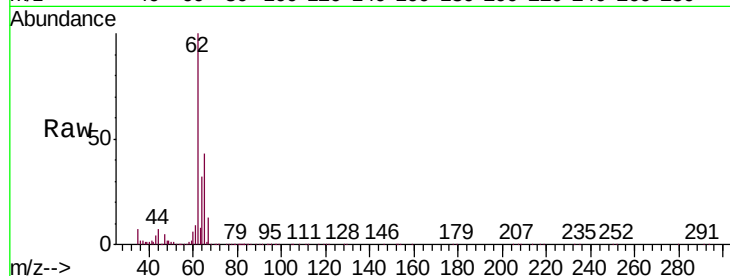
VSTD00551

Tgt Ion: 62 Resp: 173583

Ion Ratio Lower Upper

62 100

64 32.0 22.4 41.6



#6

Bromomethane

Concen: 5.082 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013557.D

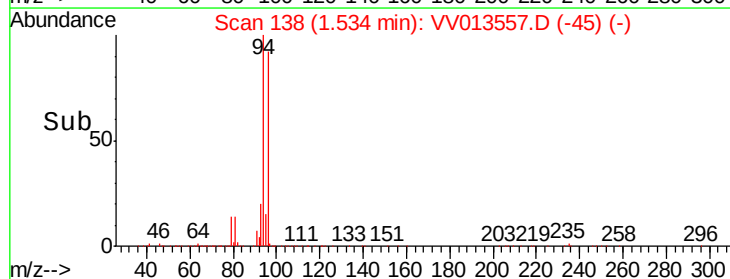
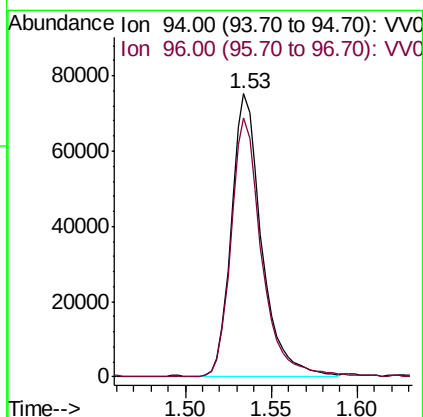
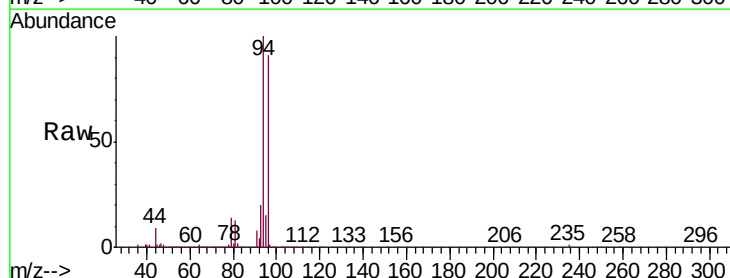
Acq: 08 Nov 2019 22:57

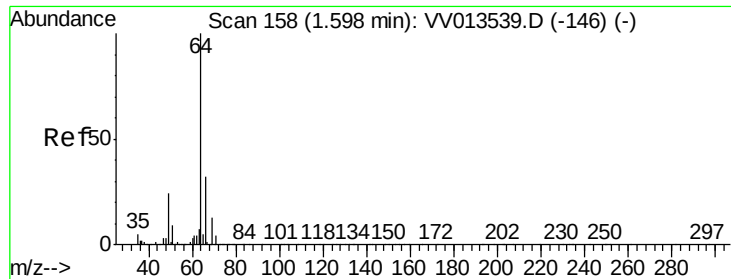
Tgt Ion: 94 Resp: 91849

Ion Ratio Lower Upper

94 100

96 91.3 66.4 123.4





#8

Chloroethane

Concen: 4.949 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

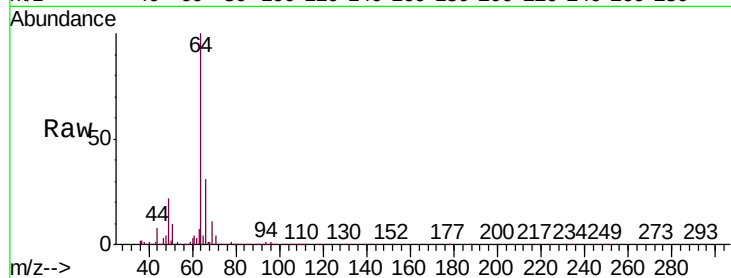
VSTD00551

Tgt Ion: 64 Resp: 93787

Ion Ratio Lower Upper

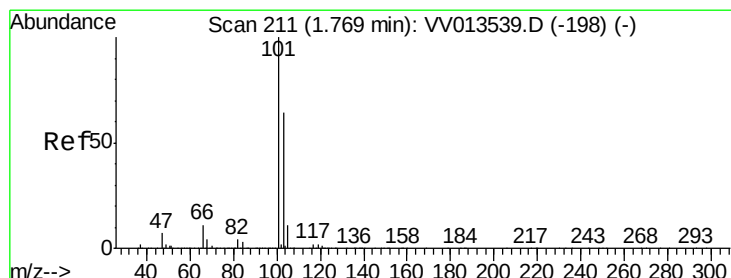
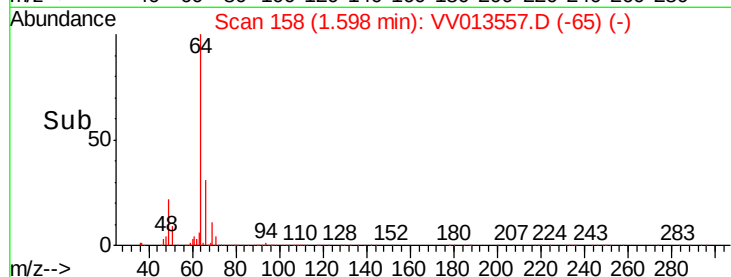
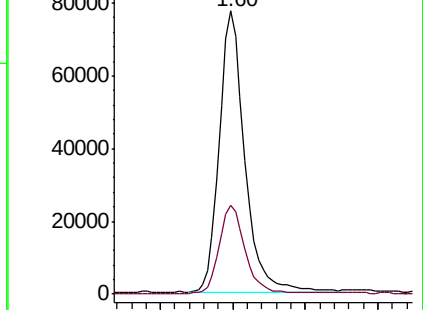
64 100

66 31.2 21.1 39.3



Abundance Ion 64.10 (63.80 to 64.80): VV013539.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV013539.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 5.228 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013557.D

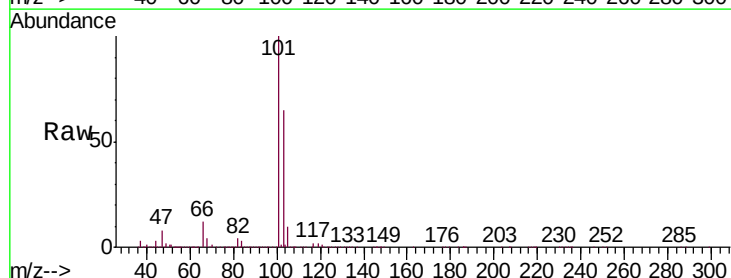
Acq: 08 Nov 2019 22:57

Tgt Ion: 101 Resp: 241500

Ion Ratio Lower Upper

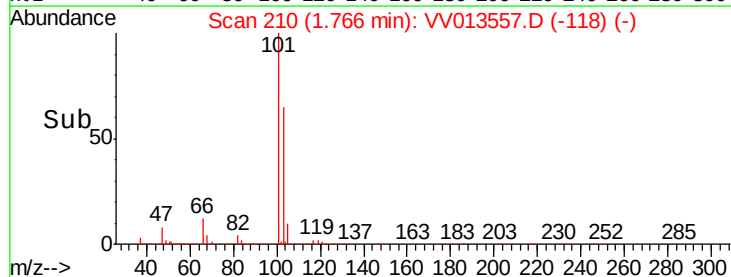
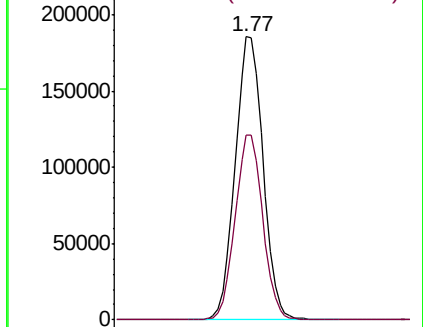
101 100

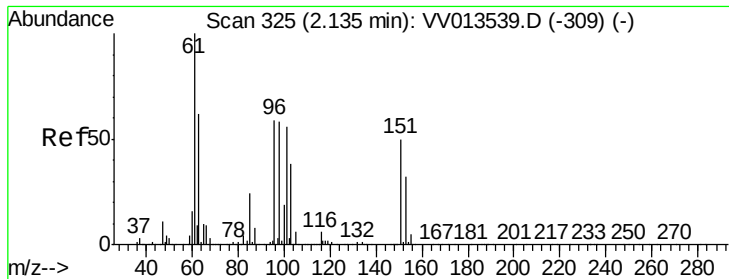
103 64.4 50.5 75.7



Abundance Ion 101.00 (100.70 to 101.70): VV013539.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013539.D (-198) (-)





#10

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

Concen: 5.030 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

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ClientSampleId :

VSTD00551

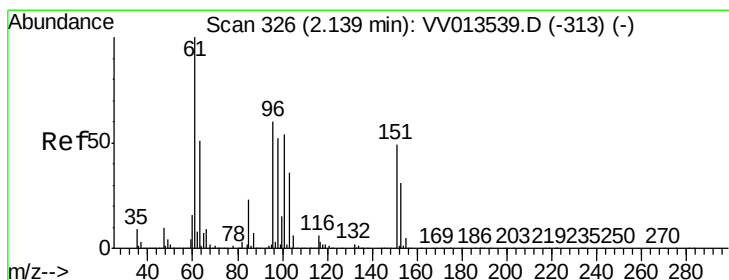
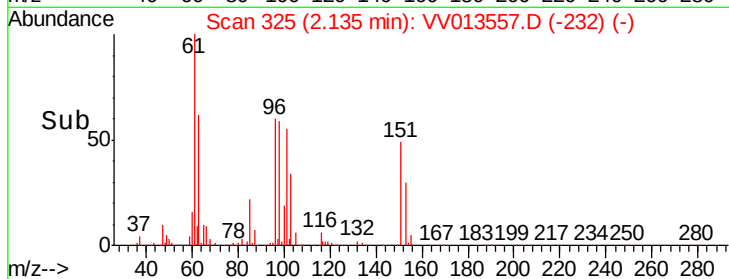
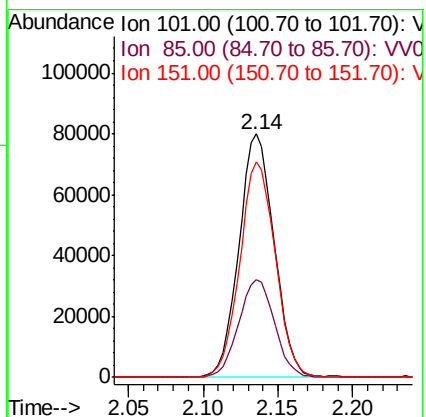
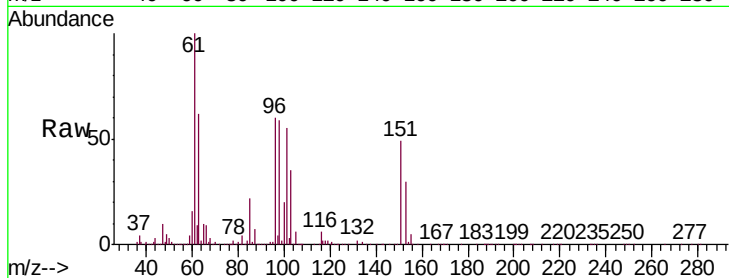
Tgt Ion: 101 Resp: 130224

Ion Ratio Lower Upper

101 100

85 41.2 33.8 50.8

151 89.7 69.5 104.3



#12

1,1-Dichloroethene

Concen: 5.104 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

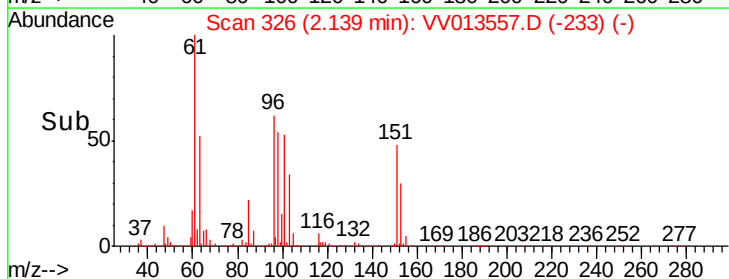
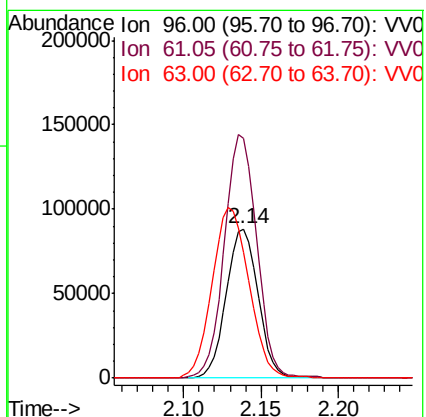
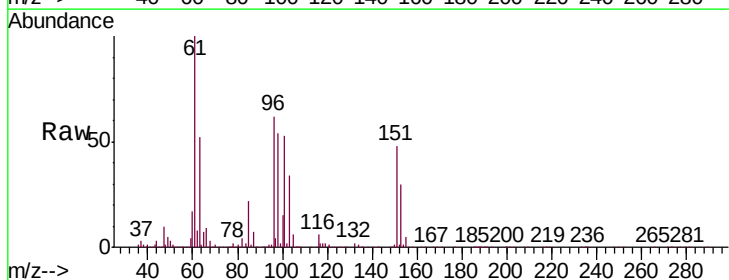
Tgt Ion: 96 Resp: 125135

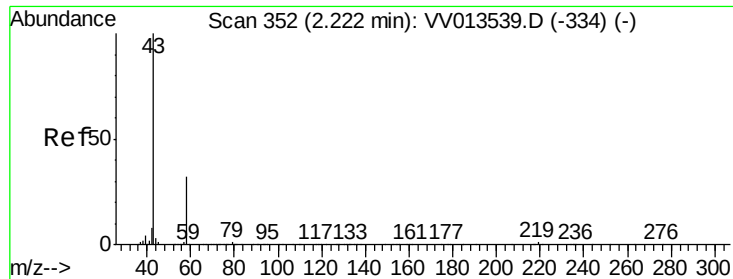
Ion Ratio Lower Upper

96 100

61 161.2 117.1 217.5

63 84.5 68.5 127.1





#13

Acetone

Concen: 42.442 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

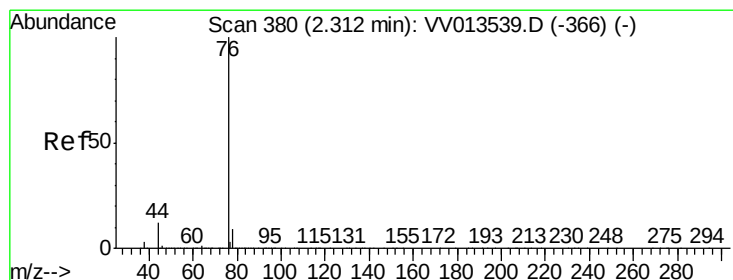
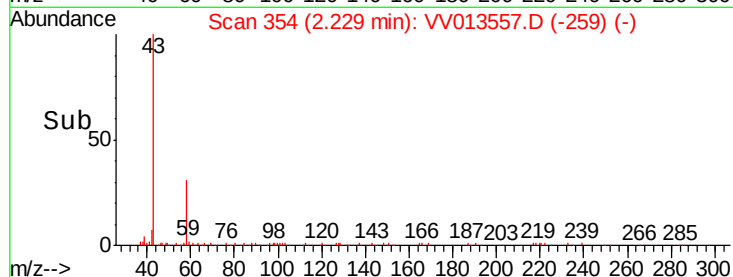
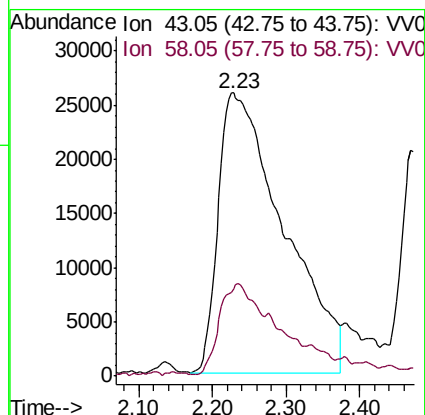
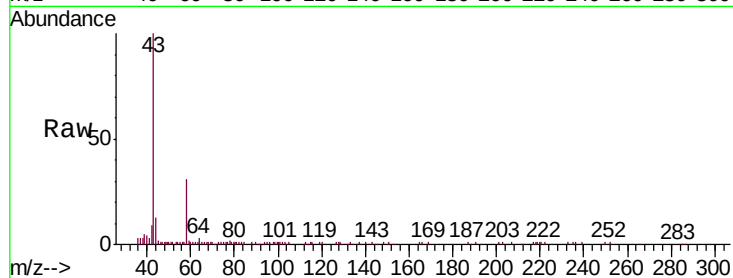
VSTD00551

Tgt Ion: 43 Resp: 158608

Ion Ratio Lower Upper

43 100

58 18.6 0.0 60.8



#14

Carbon disulfide

Concen: 4.977 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013557.D

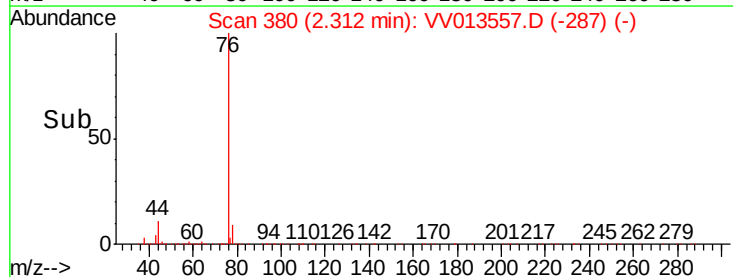
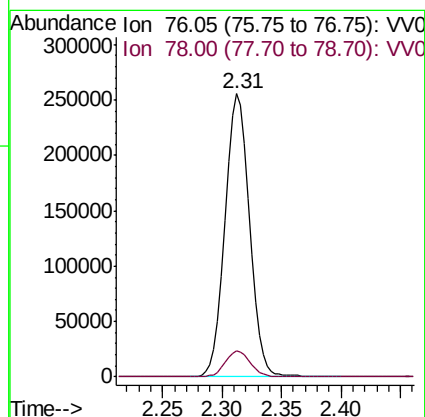
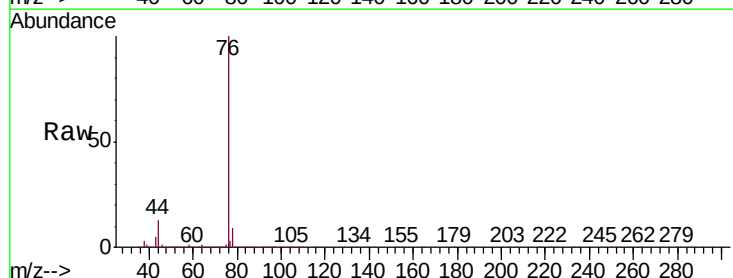
Acq: 08 Nov 2019 22:57

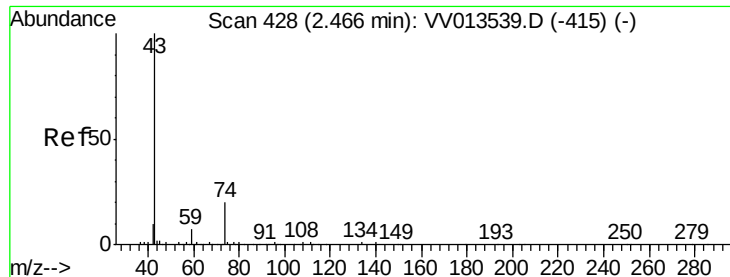
Tgt Ion: 76 Resp: 366777

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

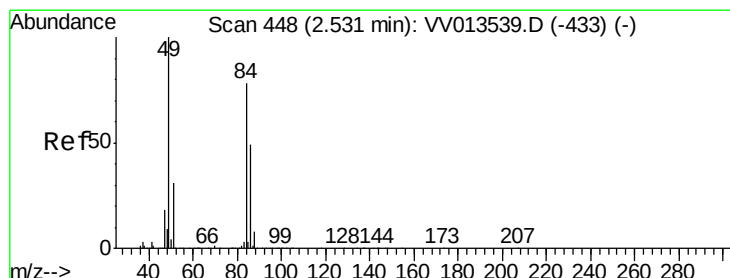
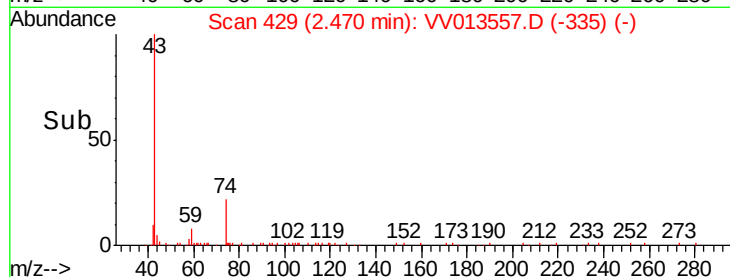
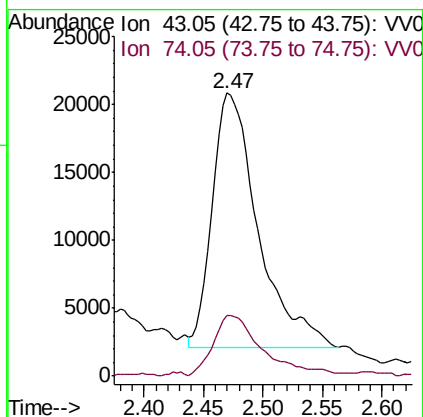
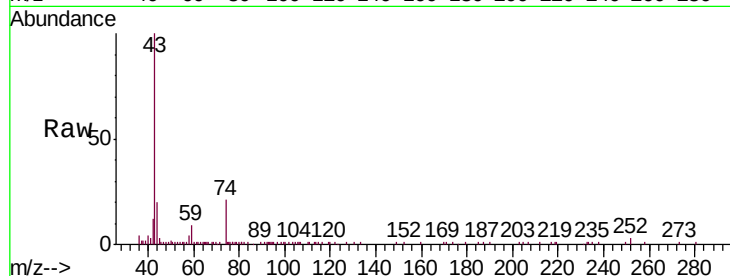




#15
Methyl Acetate
Concen: 4.466 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

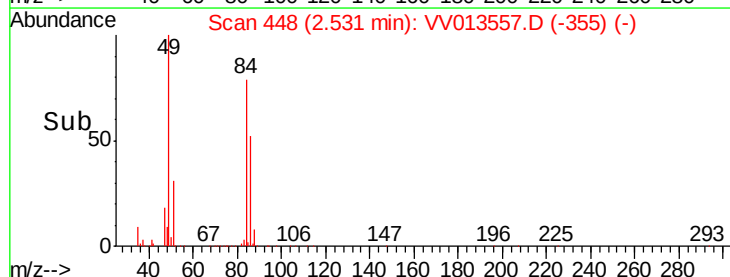
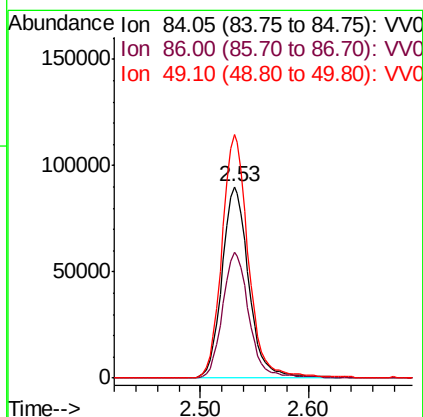
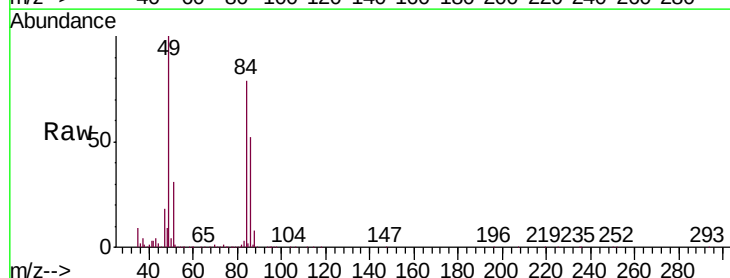
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

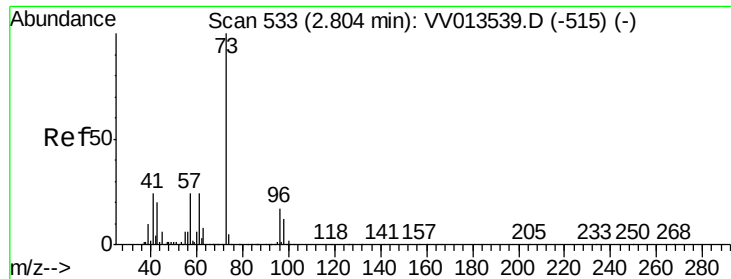
Tgt Ion: 43 Resp: 49897
Ion Ratio Lower Upper
43 100
74 26.2 19.4 29.0



#16
Methylene chloride
Concen: 4.848 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion: 84 Resp: 155715
Ion Ratio Lower Upper
84 100
86 65.7 44.2 82.2
49 127.0 88.8 164.8

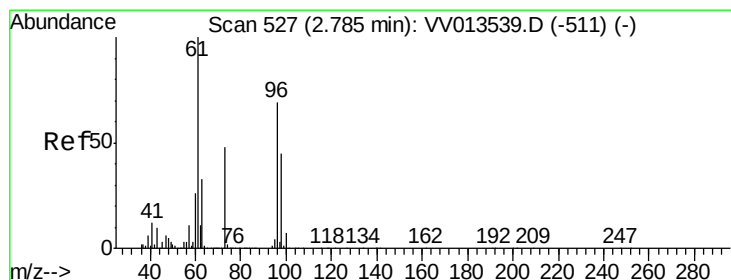
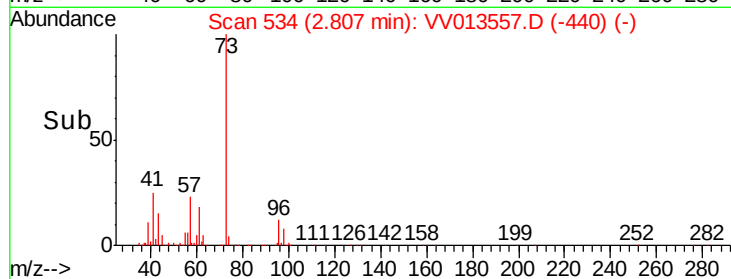
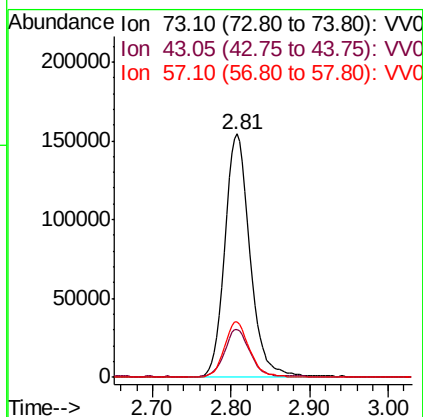
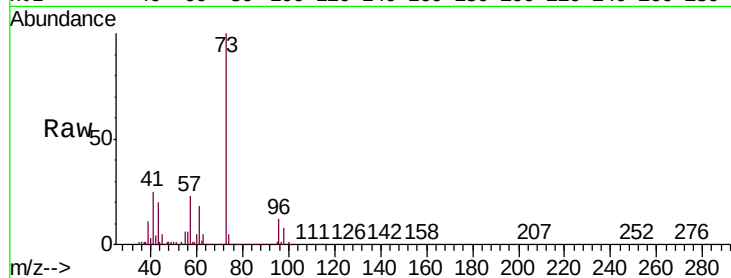




#17
Methyl tert-butyl Ether
Concen: 5.282 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

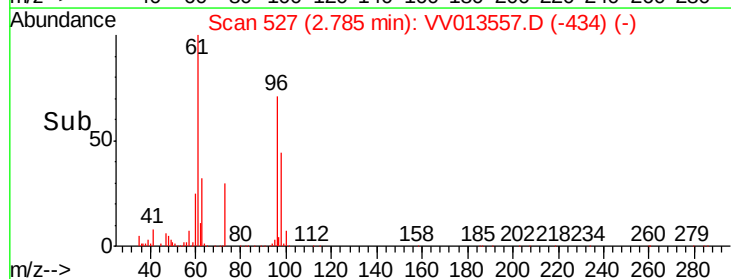
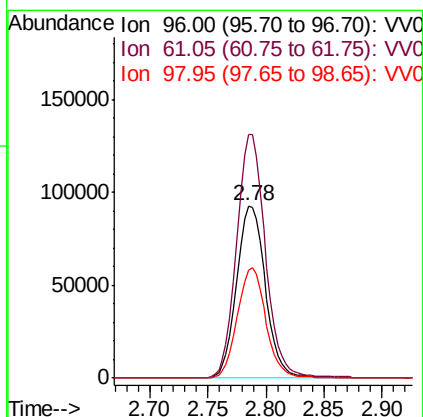
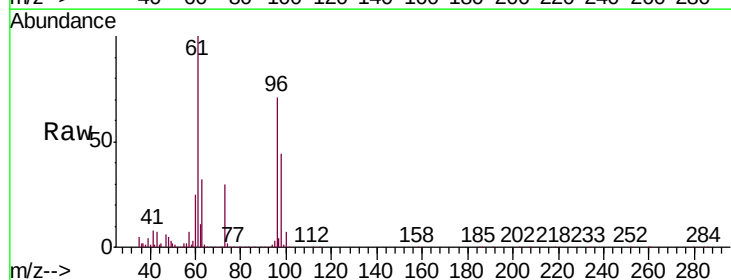
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

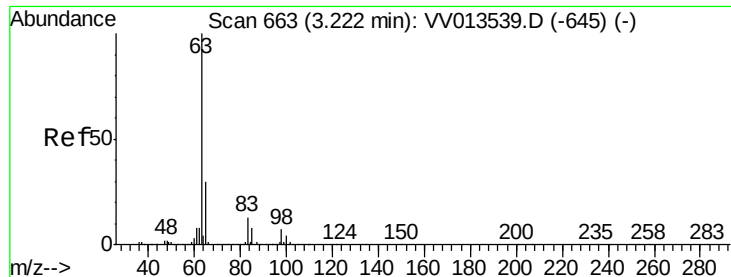
Tgt Ion: 73 Resp: 342143
Ion Ratio Lower Upper
73 100
43 19.2 16.4 24.6
57 22.8 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.250 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion: 96 Resp: 159728
Ion Ratio Lower Upper
96 100
61 141.3 100.0 185.8
98 62.3 45.3 84.1

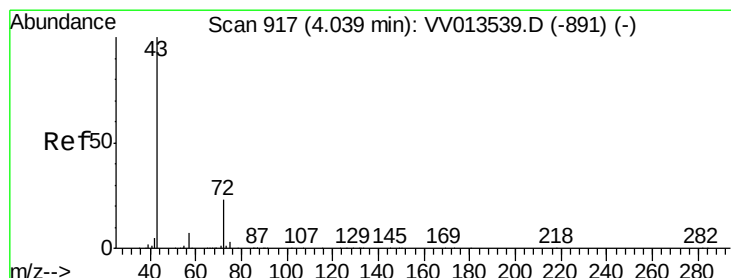
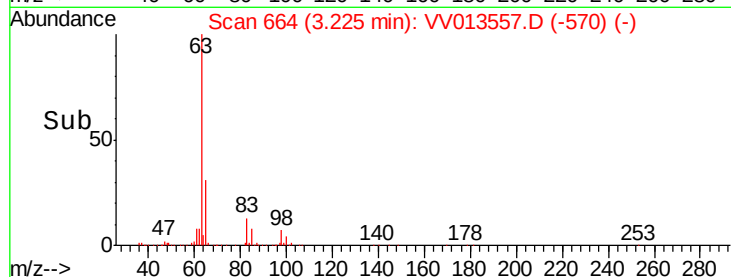
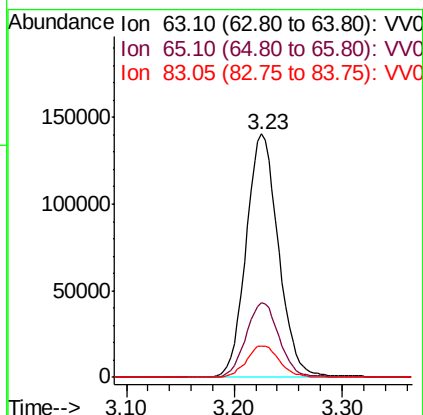
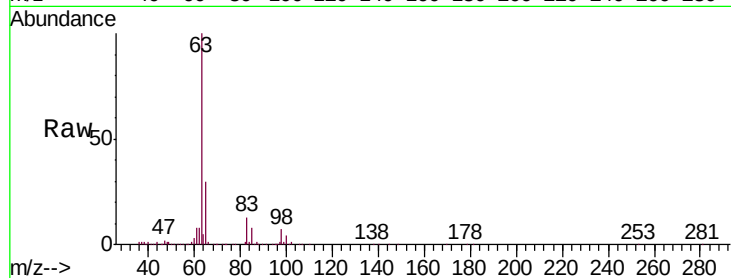




#19
 1,1-Dichloroethane
 Concen: 5.144 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

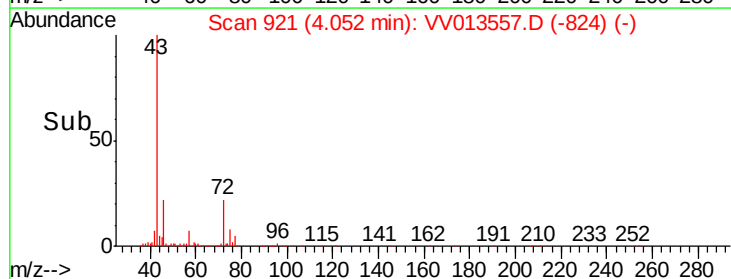
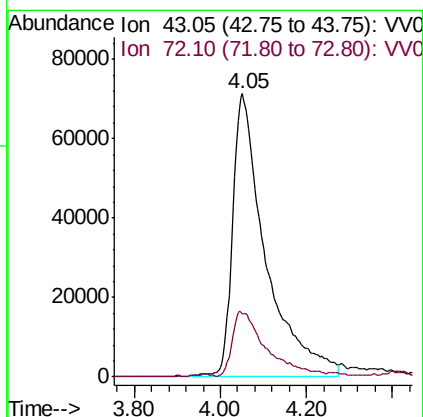
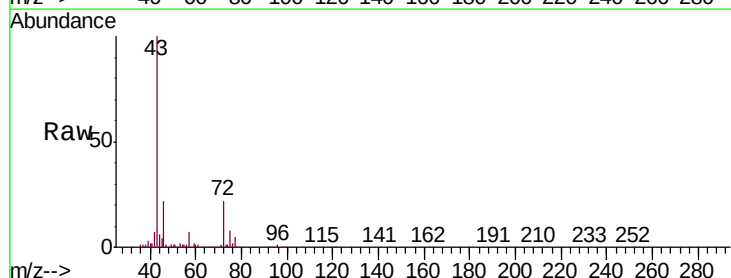
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

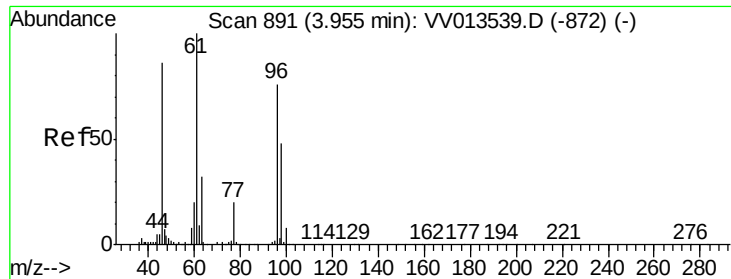
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.5	22.9	42.5
83	13.0	9.1	16.9



#21
 2-Butanone
 Concen: 55.995 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.6	11.6	34.7



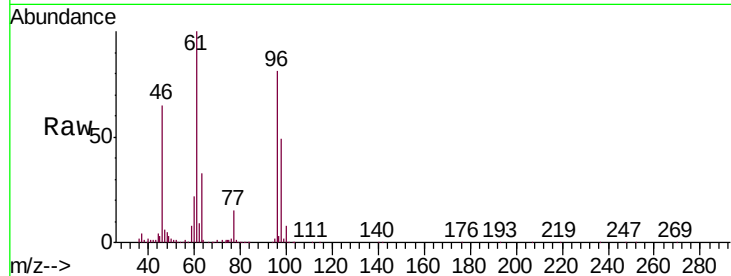


#22

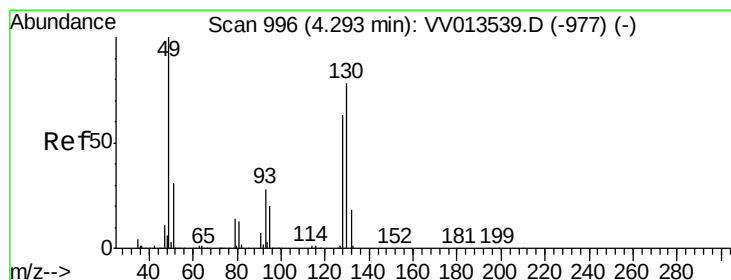
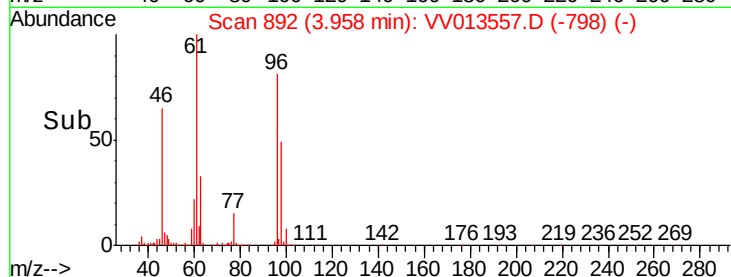
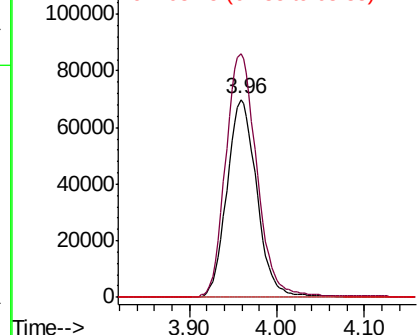
cis-1,2-Dichloroethene
Concen: 5.293 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion: 96 Resp: 166069
Ion Ratio Lower Upper
96 100
61 123.0 94.6 175.8
68 0.2 0.1 0.3



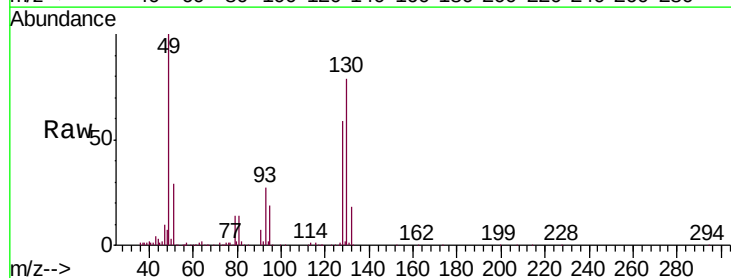
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



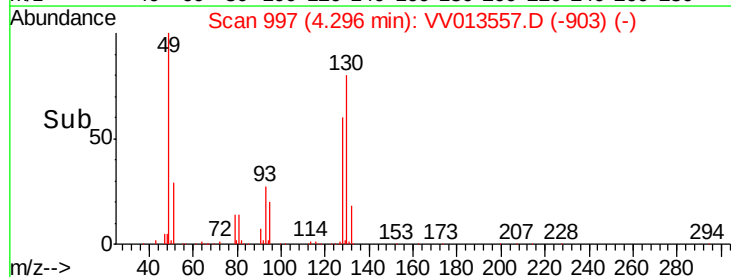
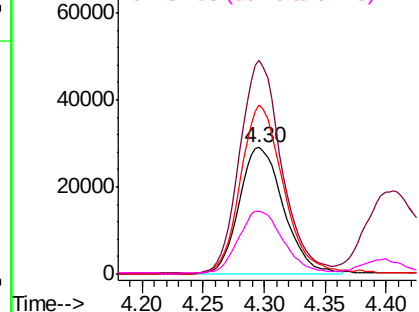
#23

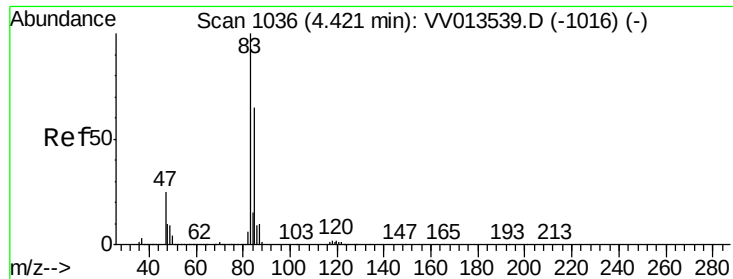
Bromochloromethane
Concen: 5.047 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion: 128 Resp: 73322
Ion Ratio Lower Upper
128 100
49 169.4 115.9 215.3
130 133.7 87.6 162.6
51 49.8 40.6 61.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

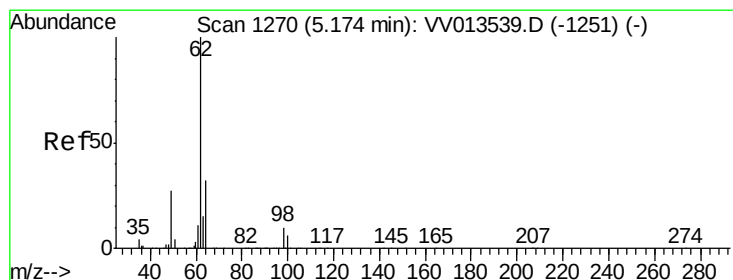
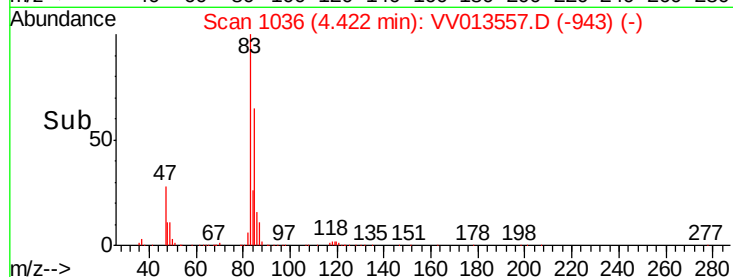
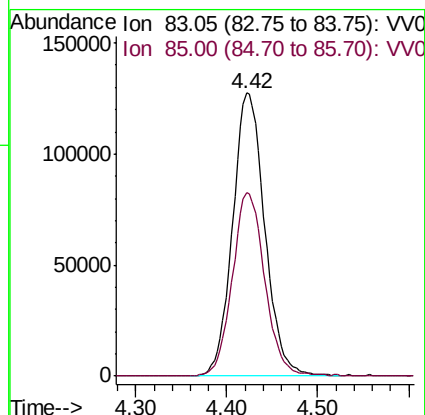
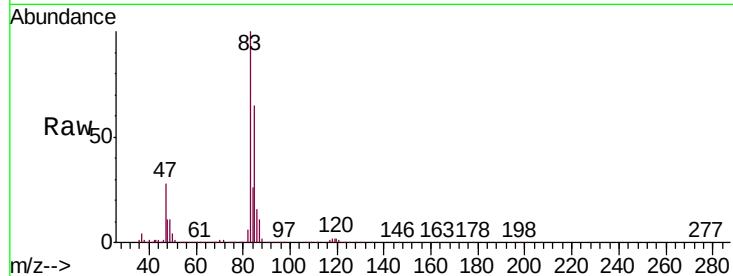




#25
Chloroform
Concen: 5.055 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

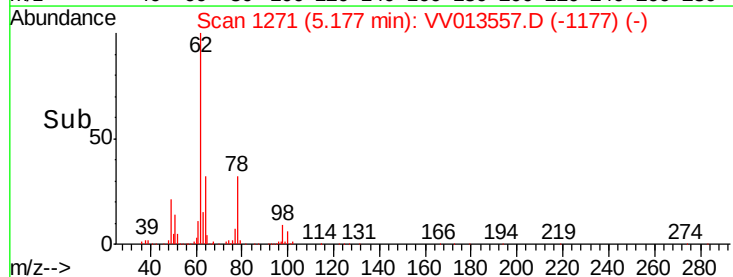
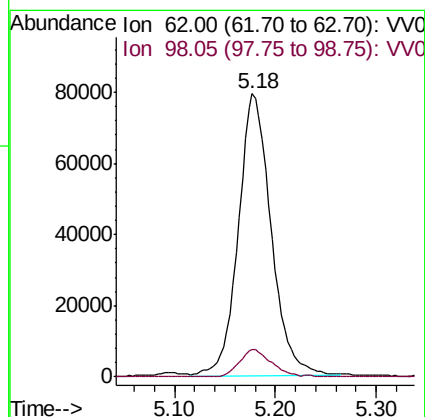
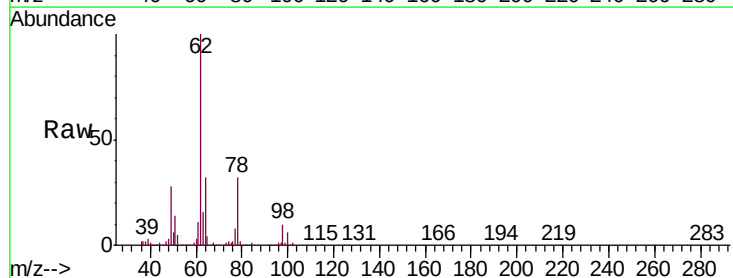
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

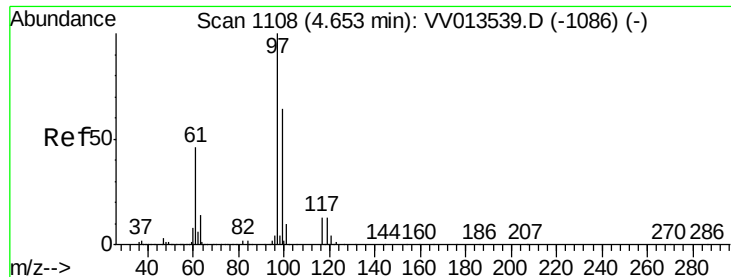
Tgt Ion: 83 Resp: 312954
Ion Ratio Lower Upper
83 100
85 65.1 46.3 86.1



#27
1,2-Dichloroethane
Concen: 5.328 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion: 62 Resp: 178110
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.0

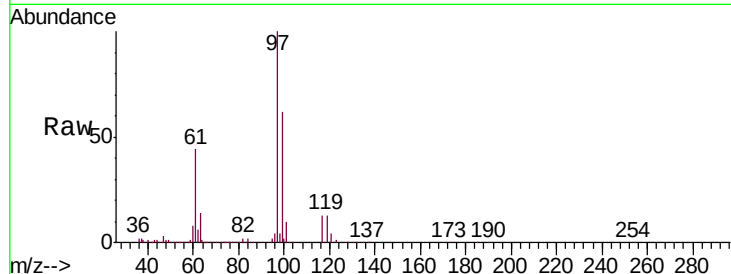




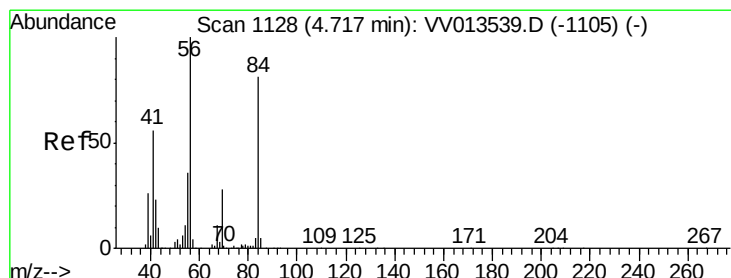
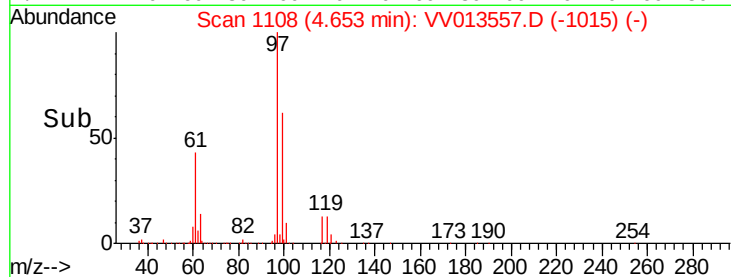
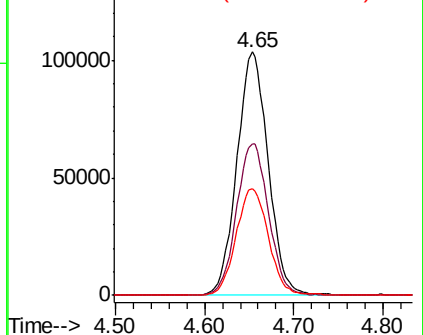
#29
 1,1,1-Trichloroethane
 Concen: 5.099 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.4	75.6
61	44.8	35.5	53.3

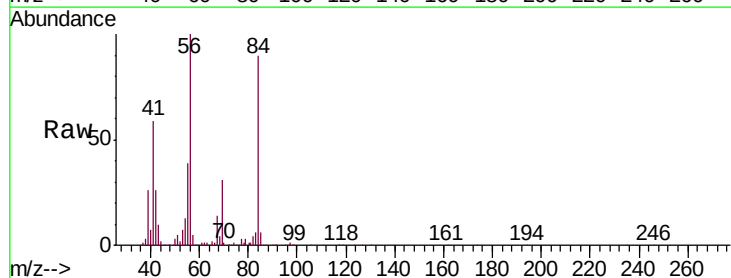


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

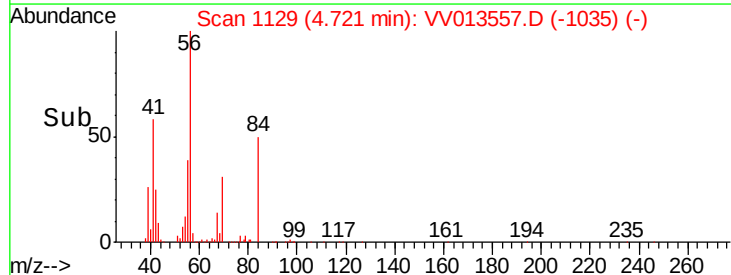
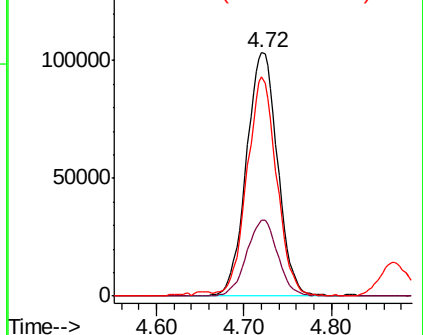


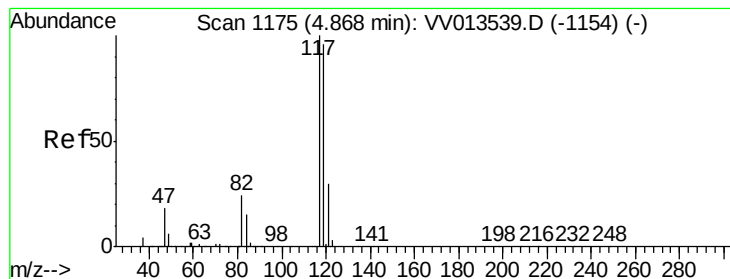
#30
 Cyclohexane
 Concen: 5.142 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	22.9	34.3
84	84.7	67.2	100.8



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.081 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

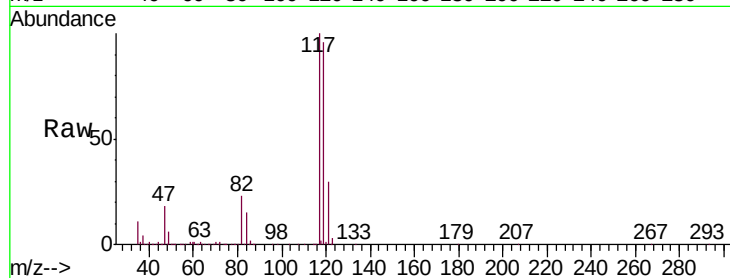
VSTD00551

Tgt Ion:117 Resp: 225147

Ion Ratio Lower Upper

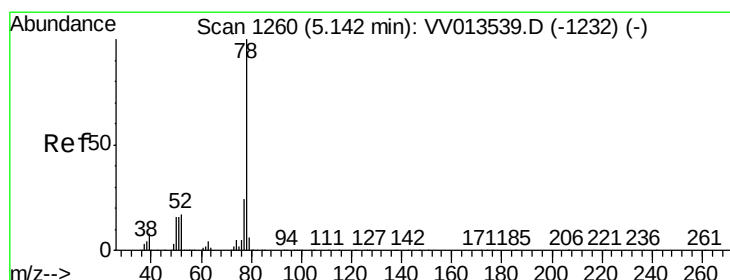
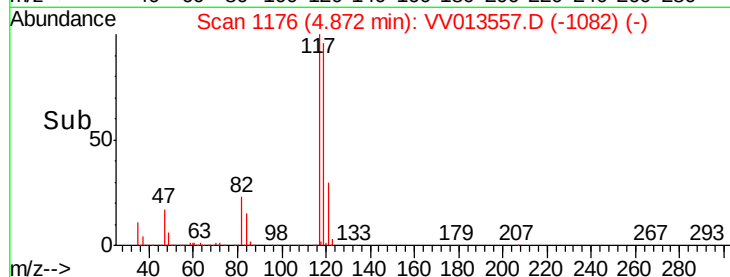
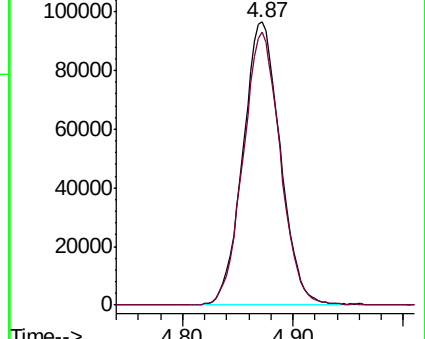
117 100

119 96.2 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.167 ug/L

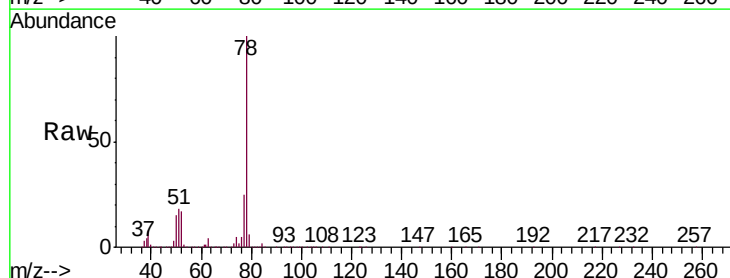
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

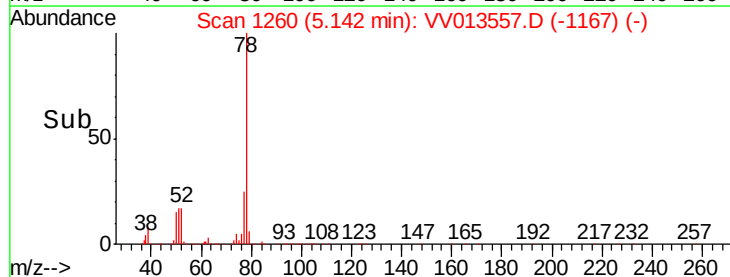
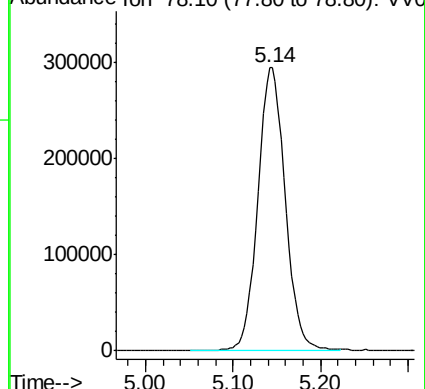
Lab File: VV013557.D

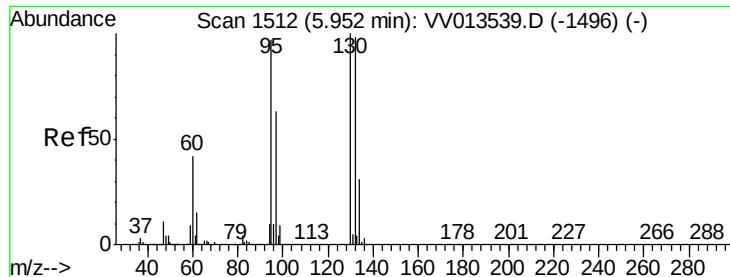
Acq: 08 Nov 2019 22:57

Tgt Ion: 78 Resp: 639895



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.081 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion: 95 Resp: 169634

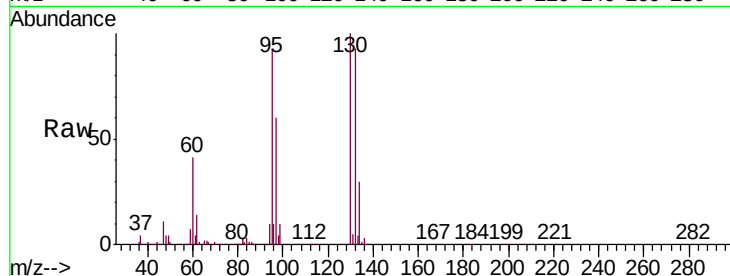
Ion Ratio Lower Upper

95 100

97 64.5 44.7 83.1

132 100.0 71.6 133.0

130 107.2 74.6 138.6

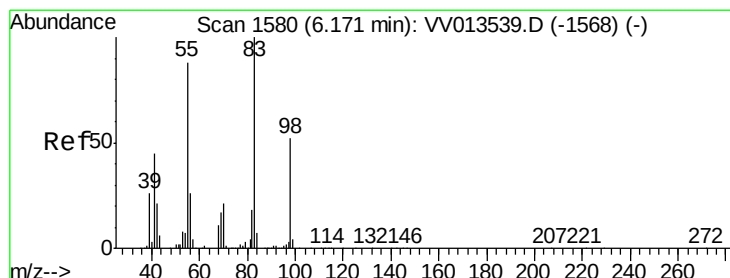
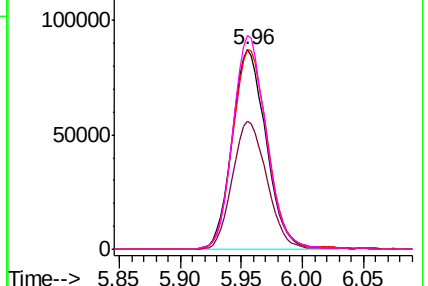
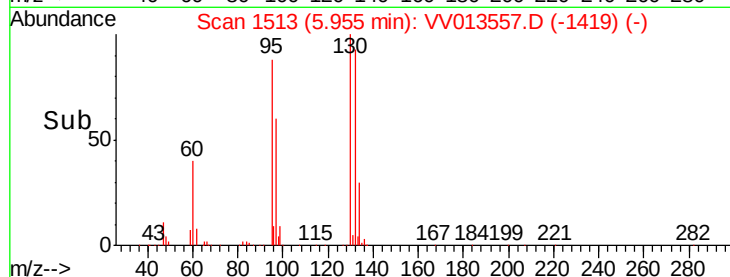


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.110 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

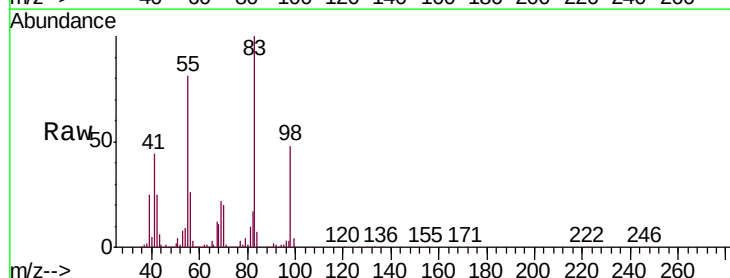
Tgt Ion: 83 Resp: 259355

Ion Ratio Lower Upper

83 100

55 79.7 63.8 95.8

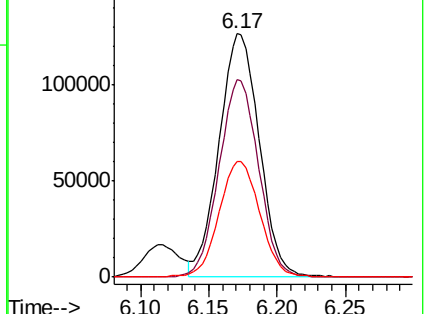
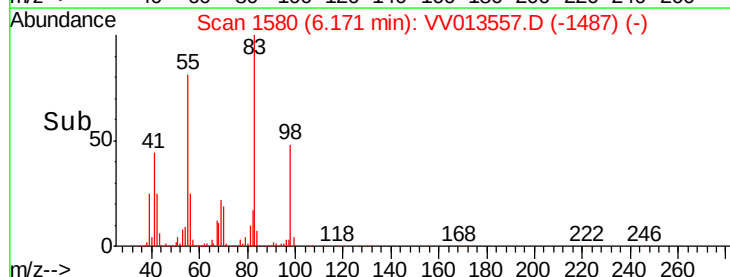
98 48.7 38.4 57.6

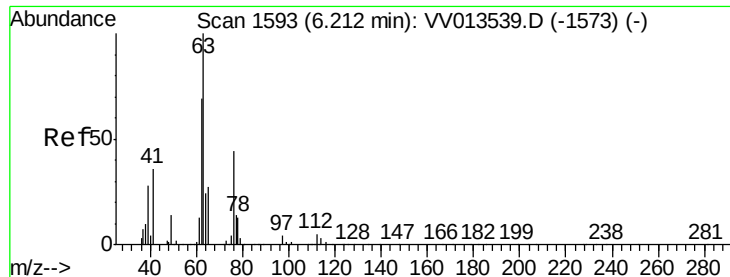


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

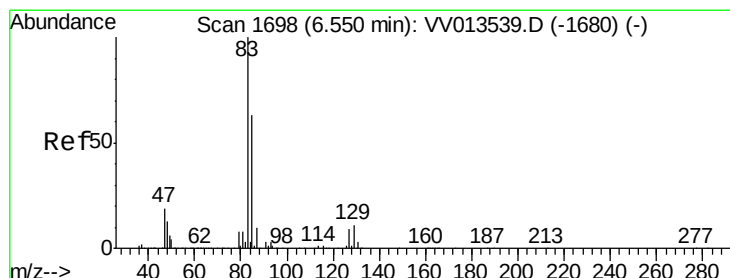
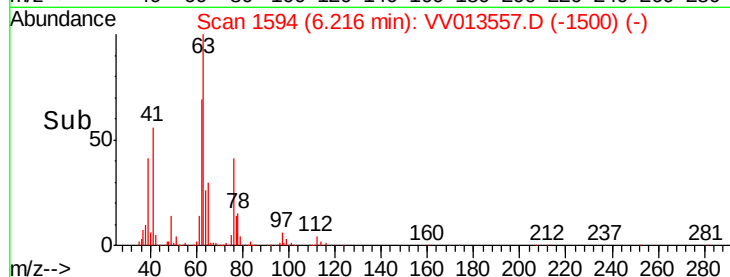
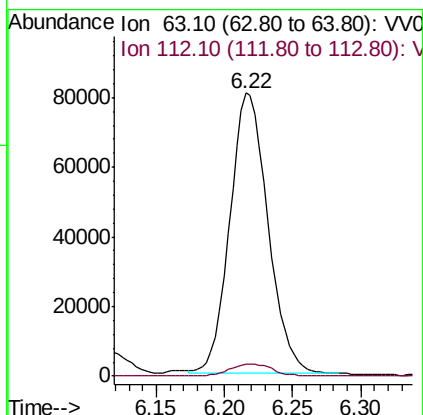
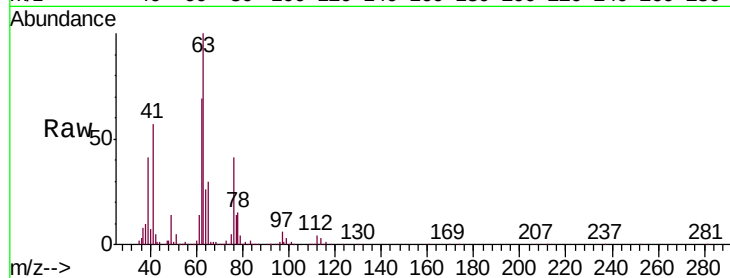




#37
 1,2-Dichloropropane
 Concen: 5.141 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

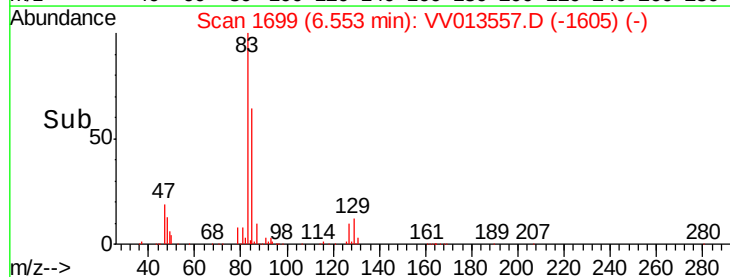
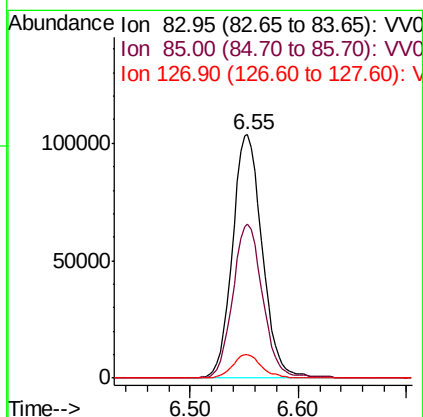
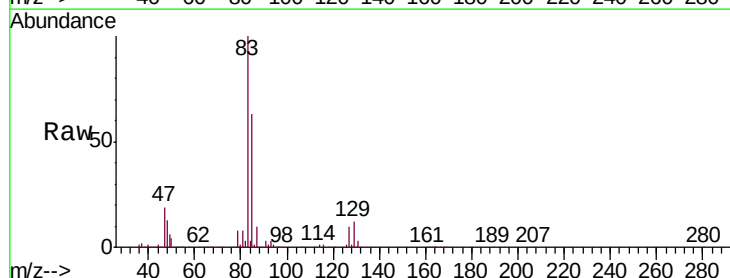
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

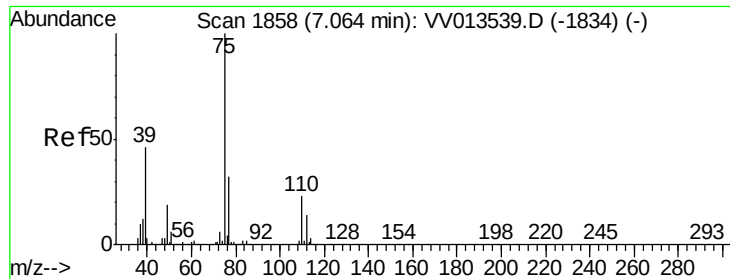
Tgt Ion: 63 Resp: 156563
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.062 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Tgt Ion: 83 Resp: 199010
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.6 81.0
 127 9.7 6.5 9.7#

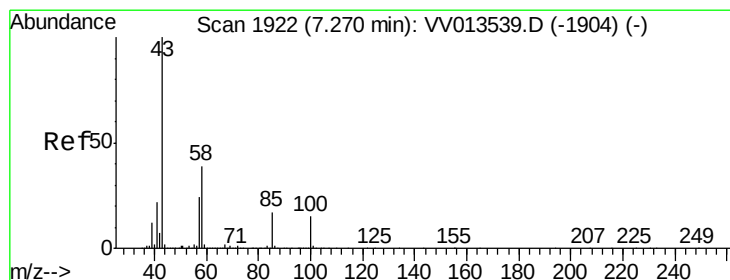
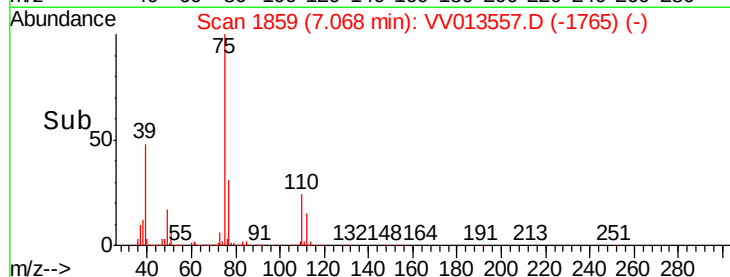
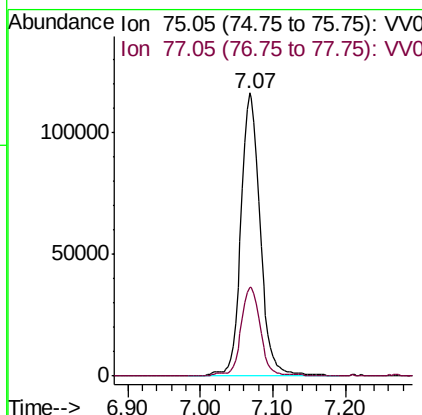
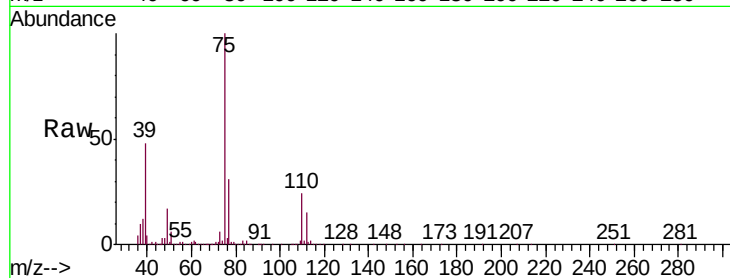




#39
 cis-1,3-Dichloropropene
 Concen: 5.112 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

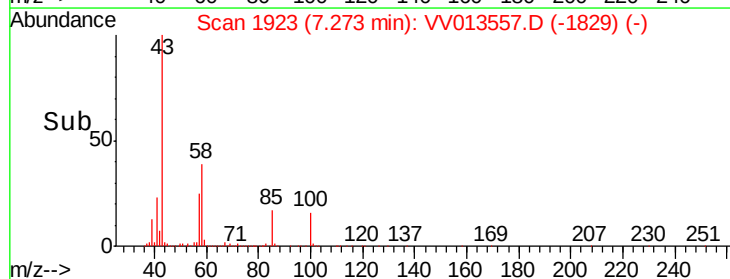
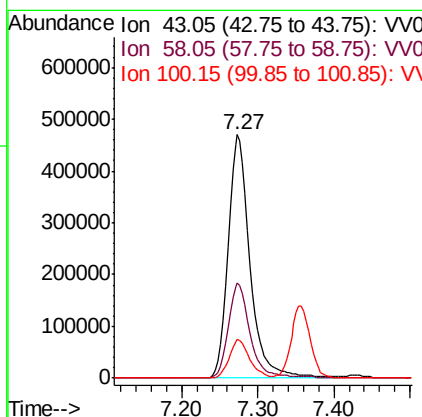
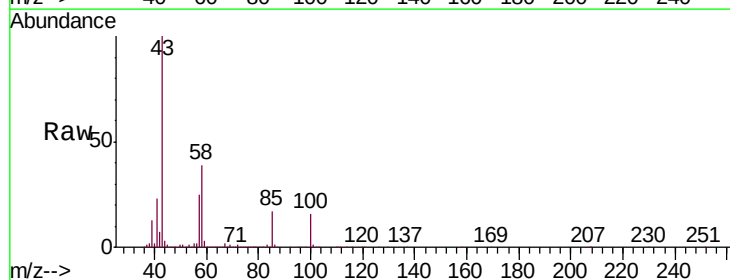
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

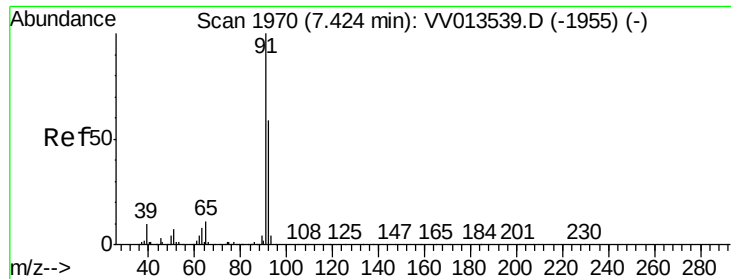
Tgt Ion: 75 Resp: 216310
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 53.865 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Tgt Ion: 43 Resp: 943615
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.6 45.8
 100 14.9 12.0 18.0





#42

Toluene

Concen: 5.352 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

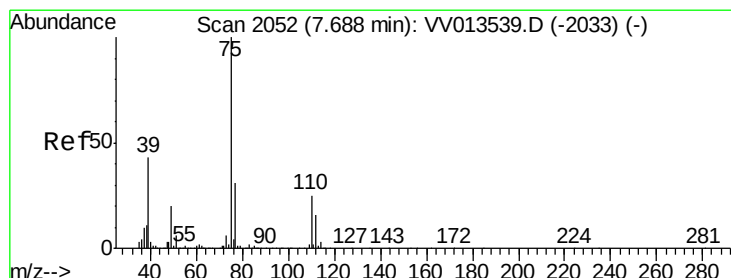
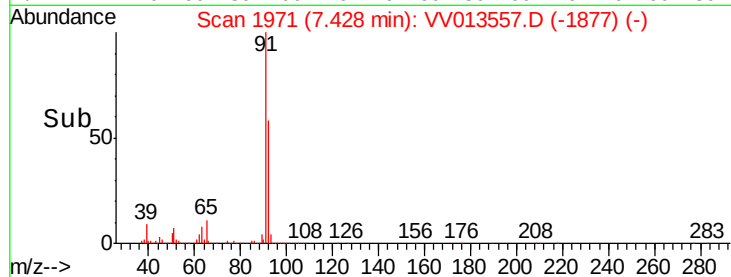
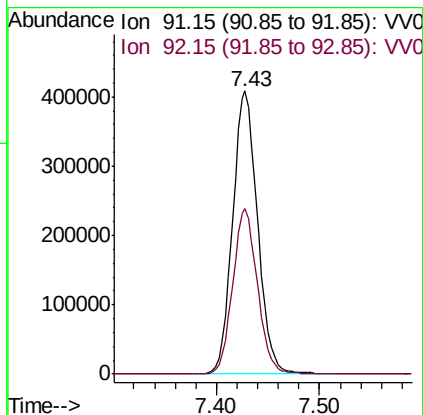
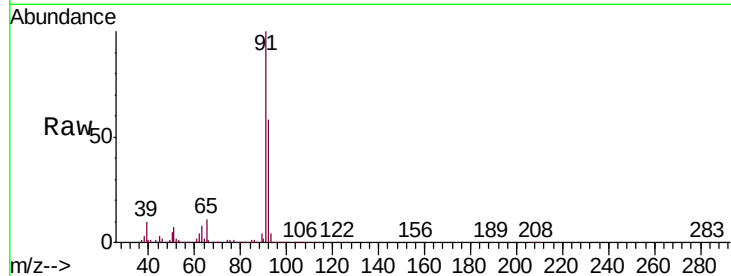
VSTD00551

Tgt Ion: 91 Resp: 689256

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 4.954 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013557.D

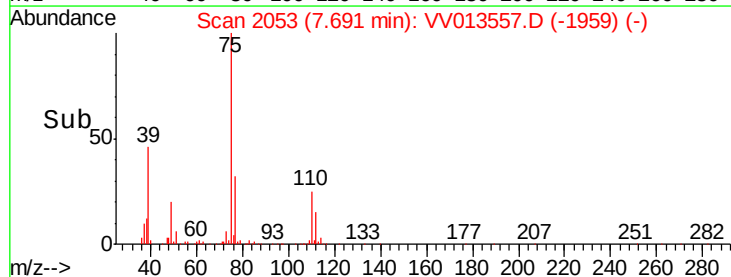
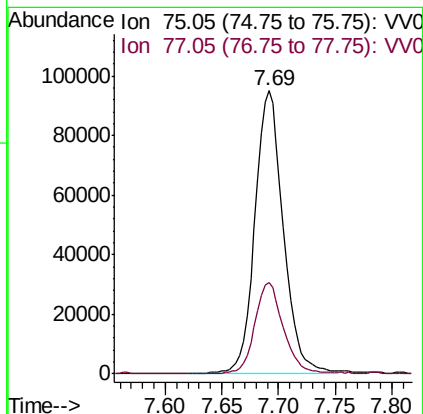
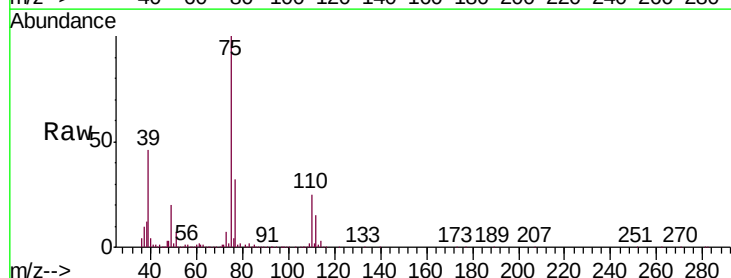
Acq: 08 Nov 2019 22:57

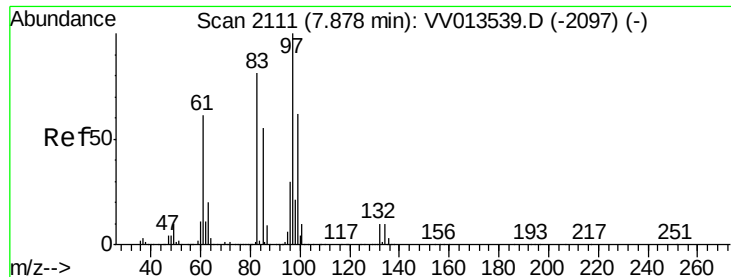
Tgt Ion: 75 Resp: 164814

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2

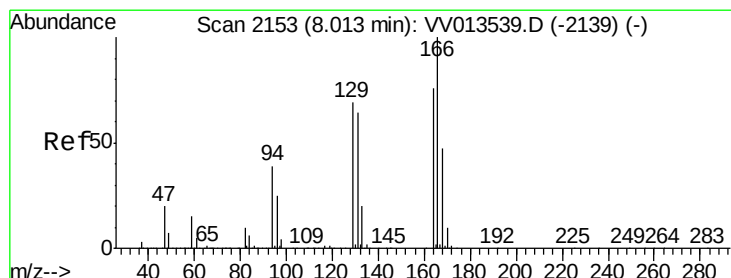
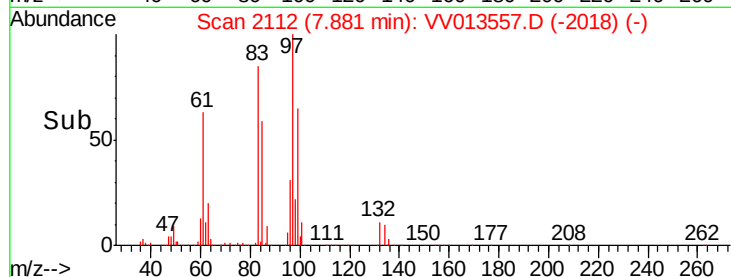
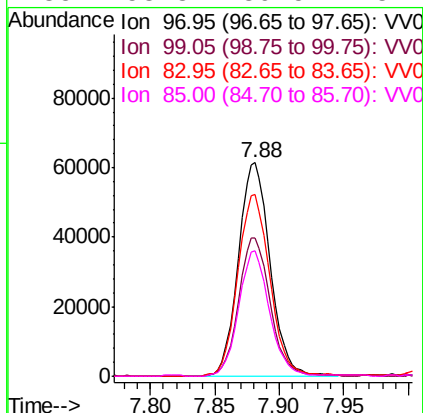
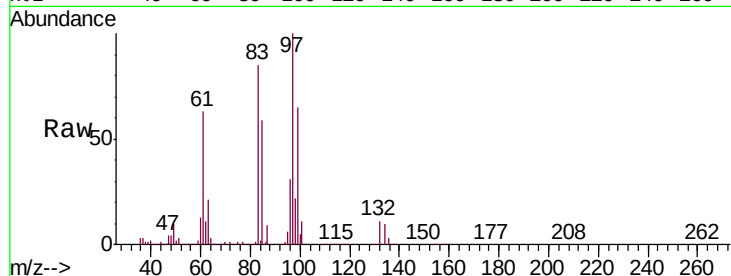




#45
1,1,2-Trichloroethane
Concen: 5.033 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

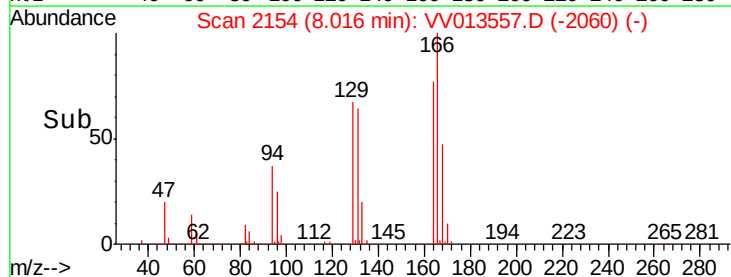
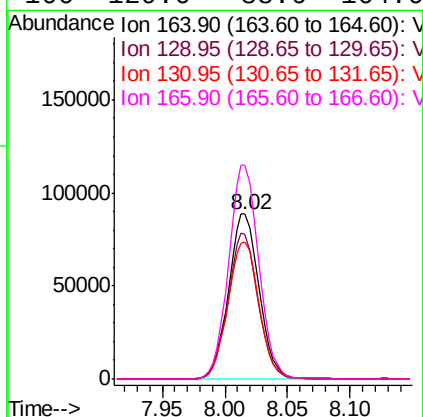
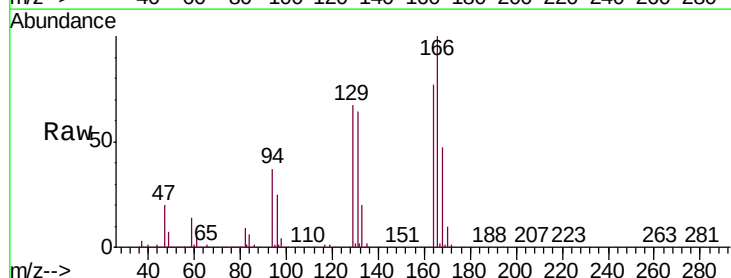
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

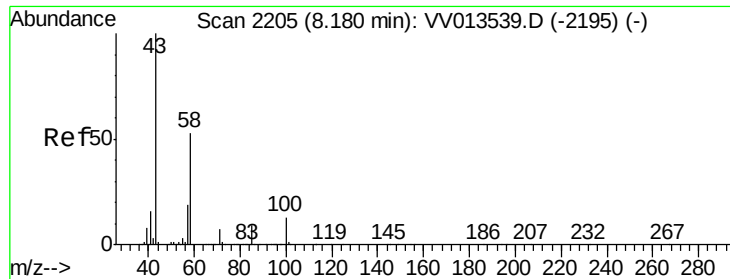
Tgt Ion:	97	Resp:	105341
Ion	Ratio	Lower	Upper
97	100		
99	65.0	44.4	82.5
83	85.2	57.5	106.7
85	58.8	39.5	73.4



#47
Tetrachloroethene
Concen: 5.132 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion:	164	Resp:	149806
Ion	Ratio	Lower	Upper
164	100		
129	87.5	59.6	110.8
131	83.4	59.1	109.9
166	129.6	88.6	164.6

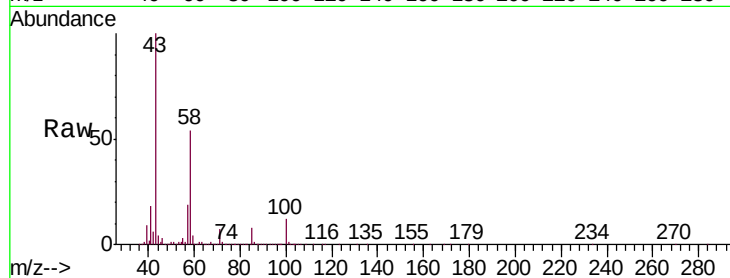




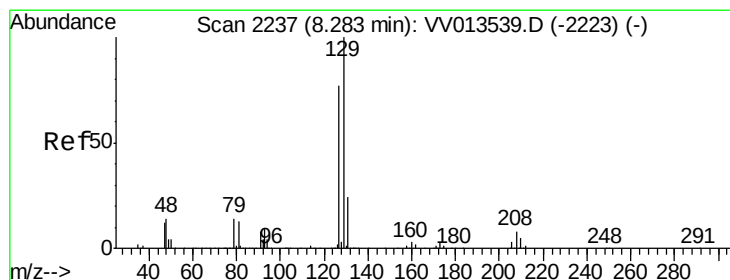
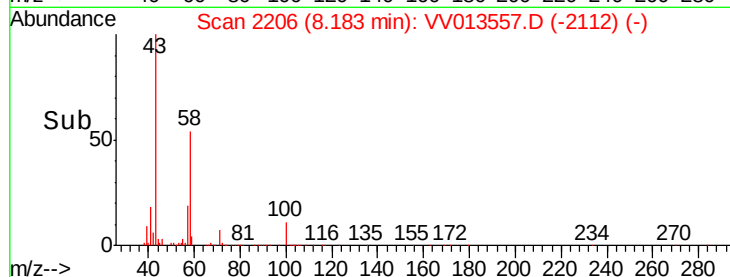
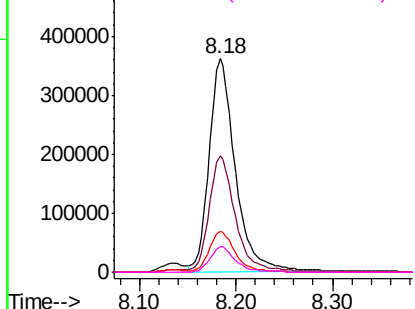
#48
2-Hexanone
Concen: 54.624 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion: 43 Resp: 677523
Ion Ratio Lower Upper
43 100
58 53.9 43.8 65.8
57 18.7 15.0 22.6
100 11.5 9.8 14.6

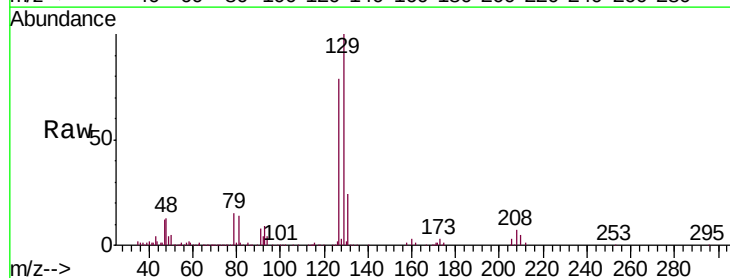


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

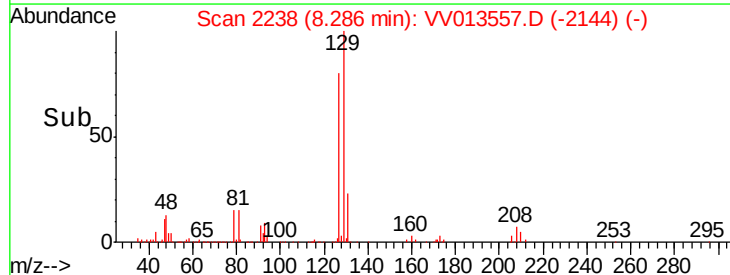
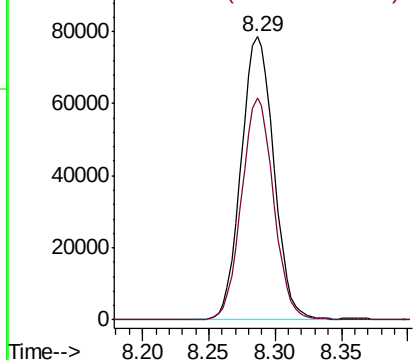


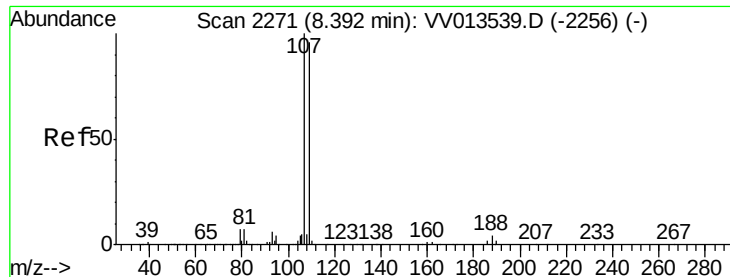
#49
Dibromochloromethane
Concen: 5.165 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion: 129 Resp: 134868
Ion Ratio Lower Upper
129 100
127 78.6 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

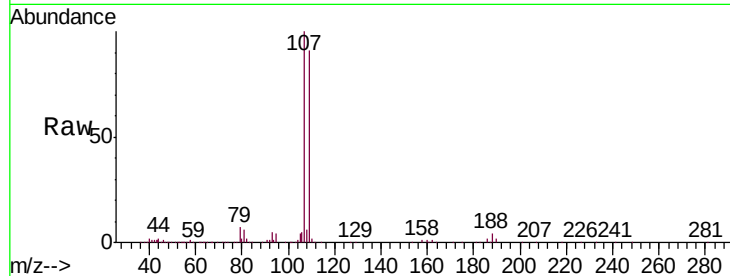




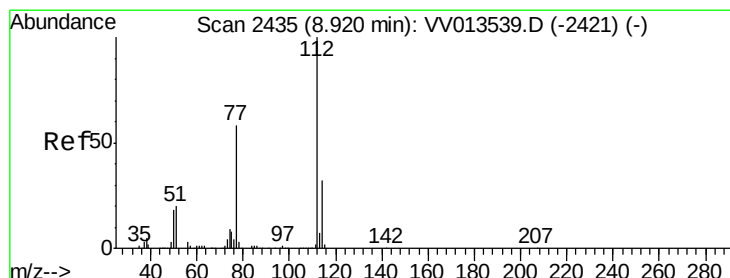
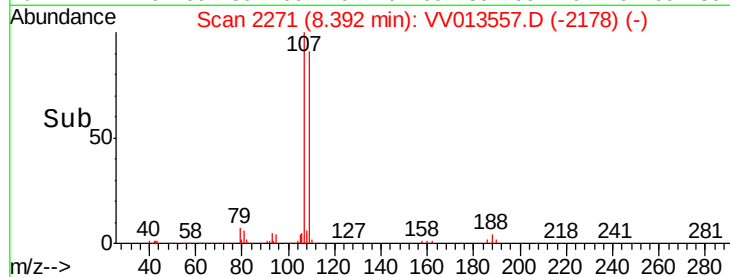
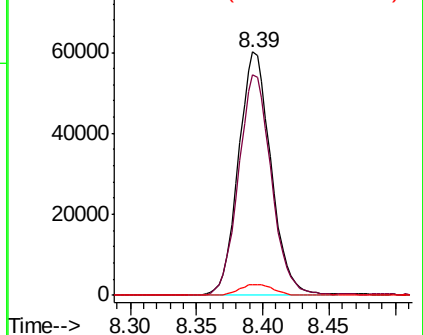
#50
1,2-Dibromoethane
Concen: 5.246 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.8	66.9	124.3
188	4.5	3.4	5.0

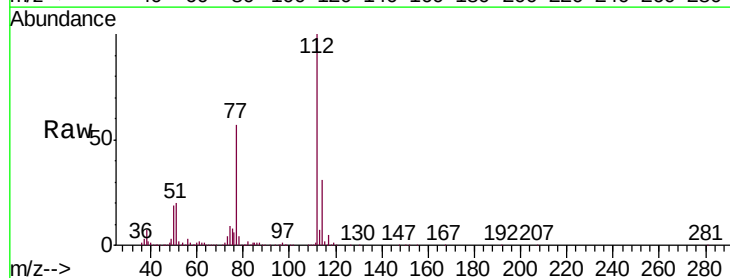


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

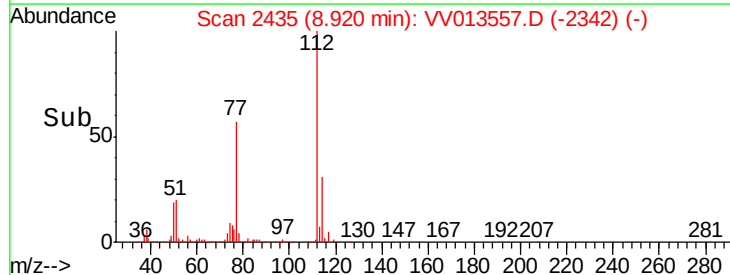
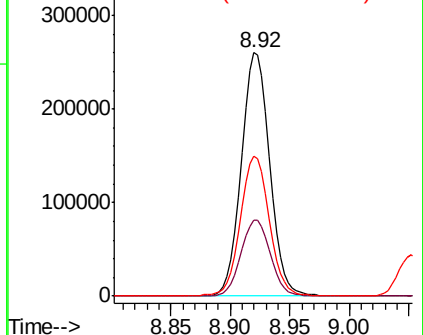


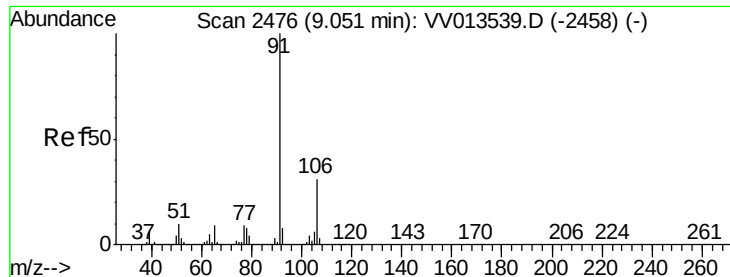
#51
Chlorobenzene
Concen: 5.065 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013557.D
Acq: 08 Nov 2019 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.6	42.0
77	57.4	46.2	69.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.228 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

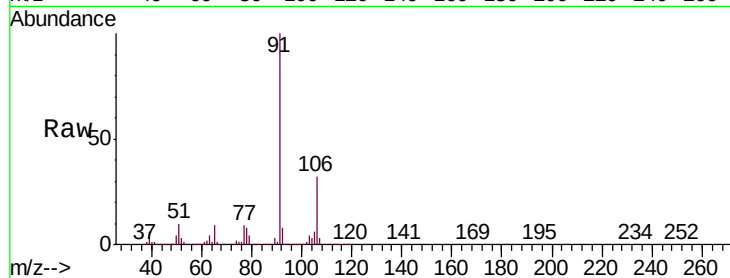
VSTD00551

Tgt Ion: 91 Resp: 721347

Ion Ratio Lower Upper

91 100

106 31.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.05

500000

400000

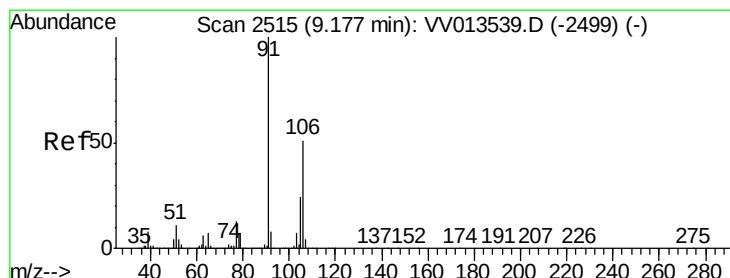
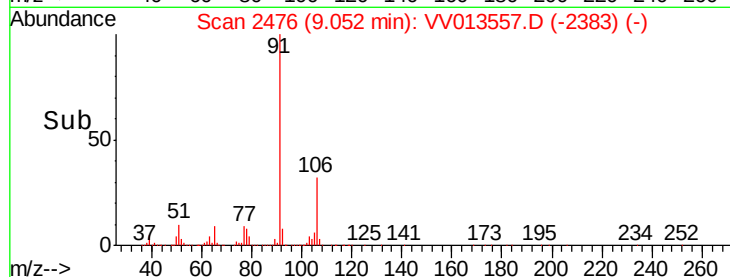
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 5.471 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013557.D

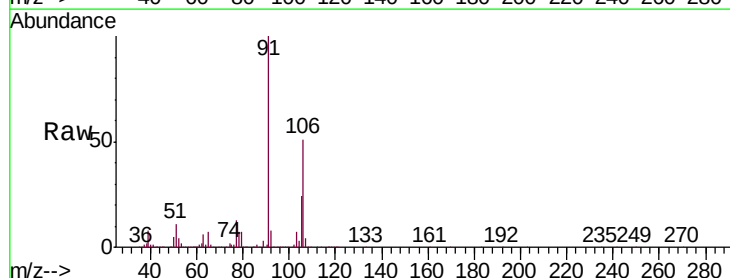
Acq: 08 Nov 2019 22:57

Tgt Ion: 106 Resp: 281537

Ion Ratio Lower Upper

106 100

91 195.2 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

400000

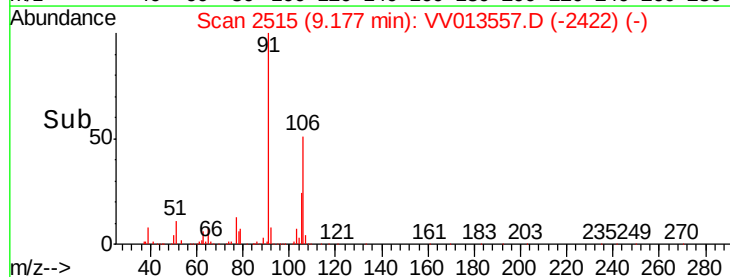
300000

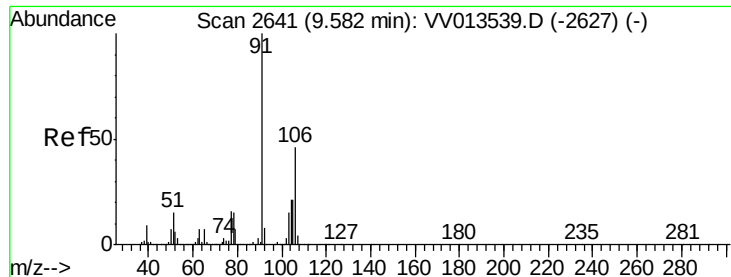
200000

100000

0

Time--> 9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 5.402 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

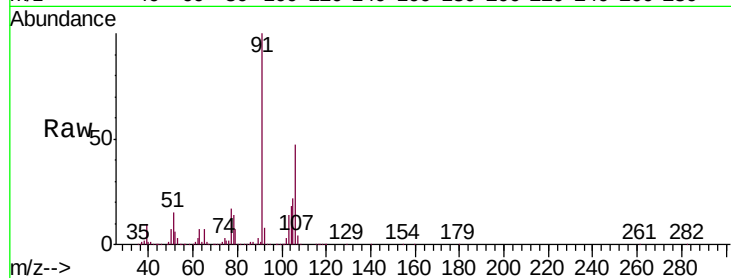
VSTD00551

Tgt Ion:106 Resp: 267020

Ion Ratio Lower Upper

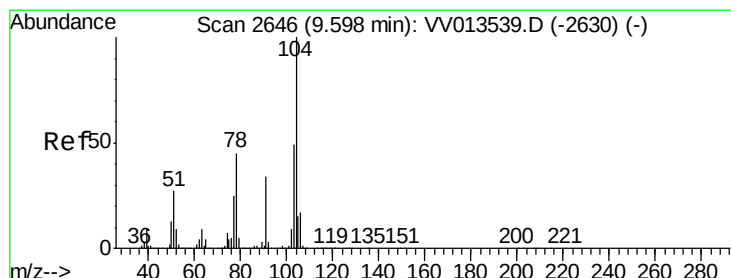
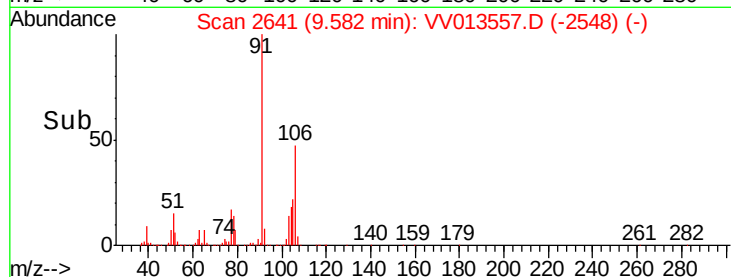
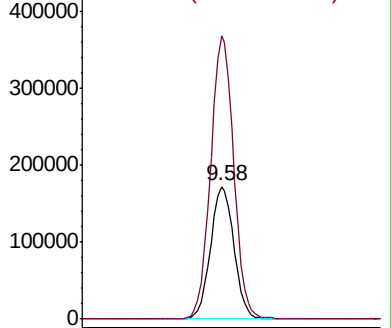
106 100

91 213.4 150.8 280.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.491 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013557.D

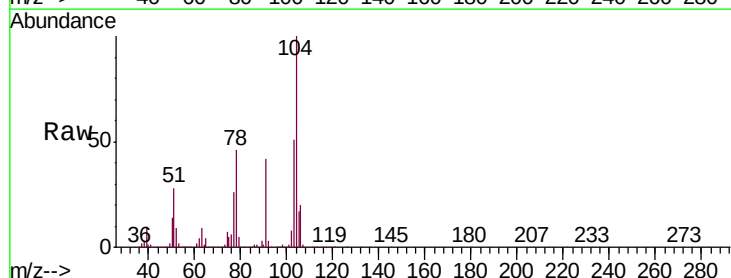
Acq: 08 Nov 2019 22:57

Tgt Ion:104 Resp: 460309

Ion Ratio Lower Upper

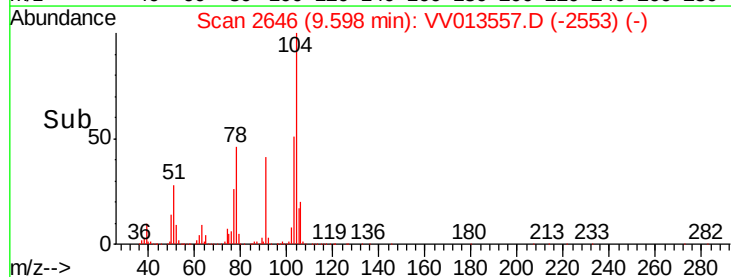
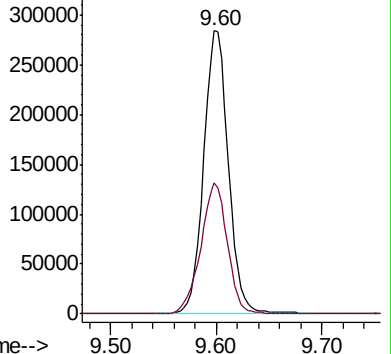
104 100

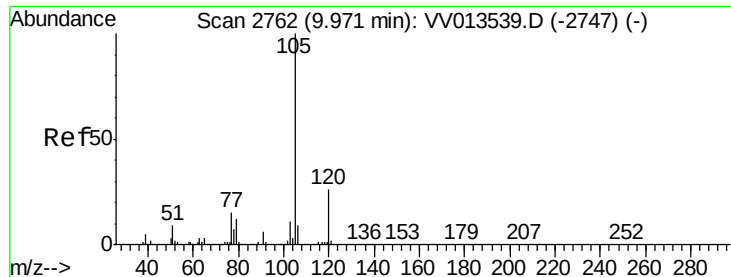
78 46.2 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.320 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

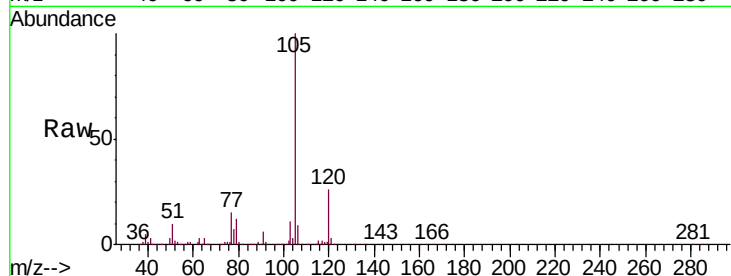
Tgt Ion: 105 Resp: 709932

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

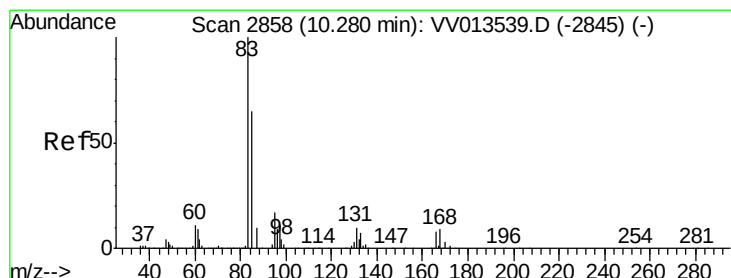
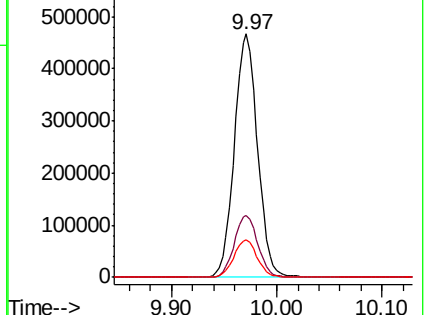
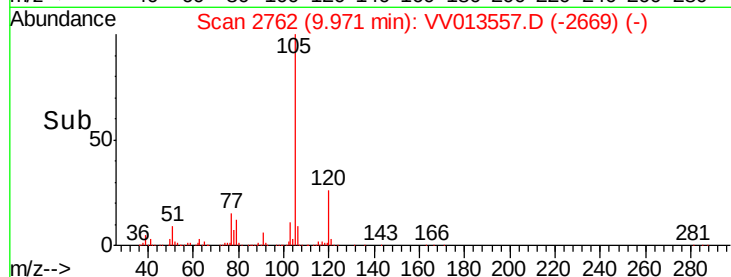
77 15.3 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.139 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

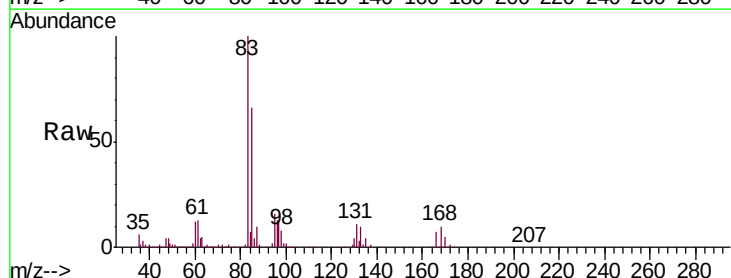
Tgt Ion: 83 Resp: 114831

Ion Ratio Lower Upper

83 100

85 66.0 44.1 81.9

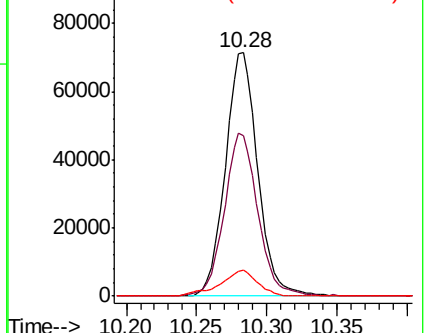
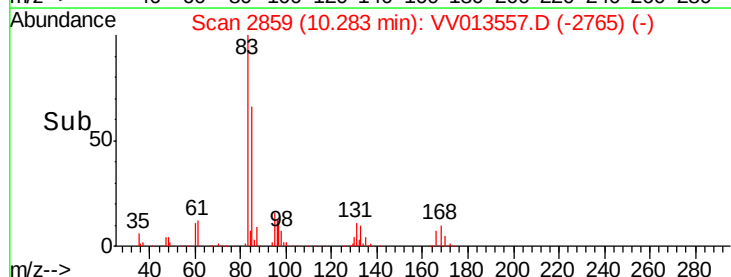
131 10.6 8.5 12.7

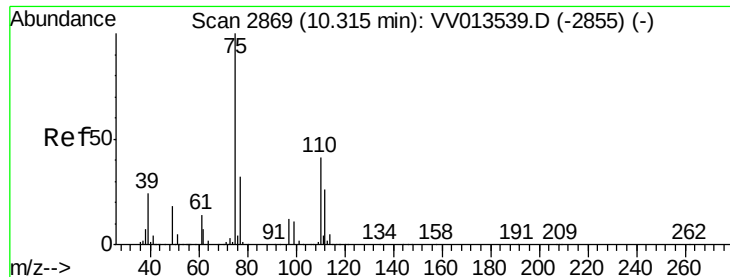


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.172 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

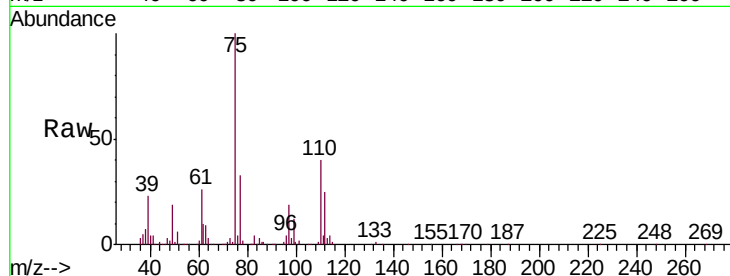
VSTD00551

Tgt Ion: 75 Resp: 93518

Ion Ratio Lower Upper

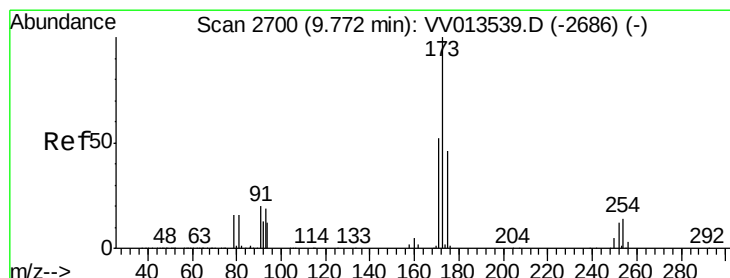
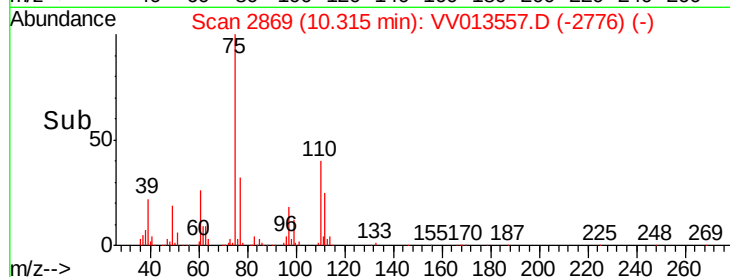
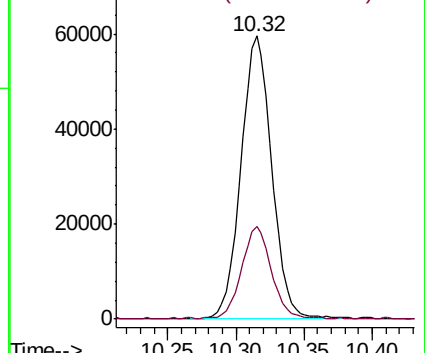
75 100

77 31.1 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 5.105 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

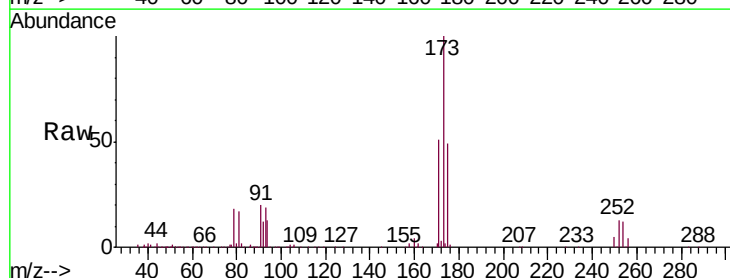
Tgt Ion: 173 Resp: 78285

Ion Ratio Lower Upper

173 100

175 49.3 38.8 58.2

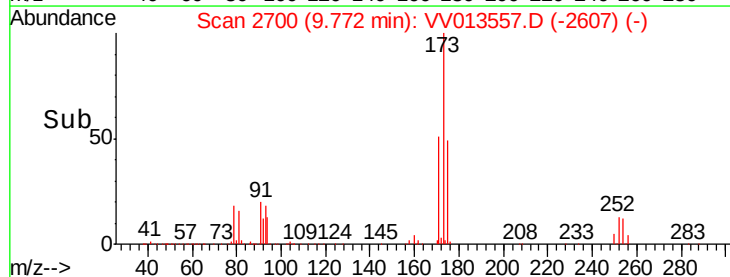
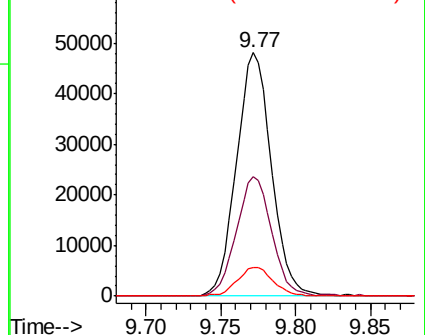
254 12.3 11.2 16.8

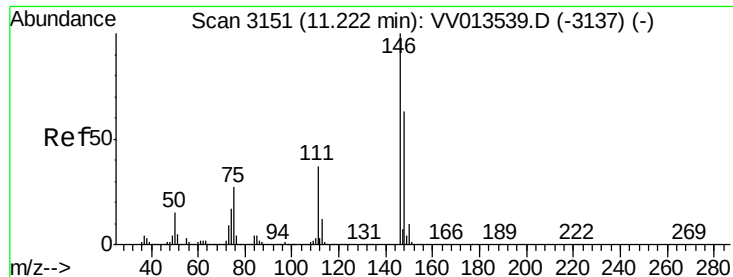


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

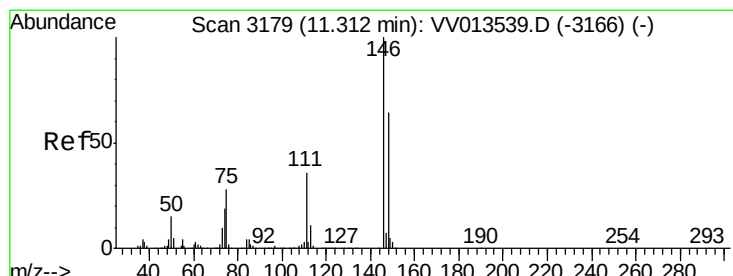
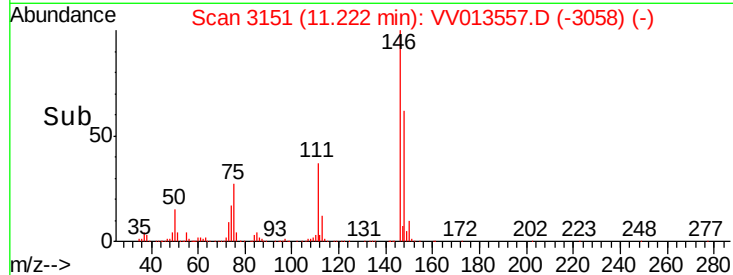
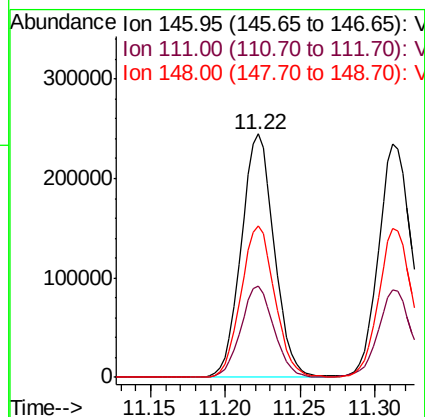
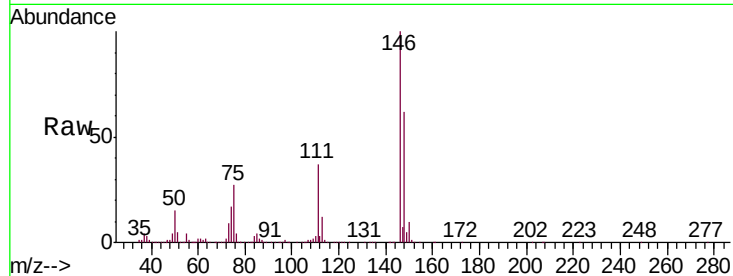




#62
 1,3-Dichlorobenzene
 Concen: 5.175 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

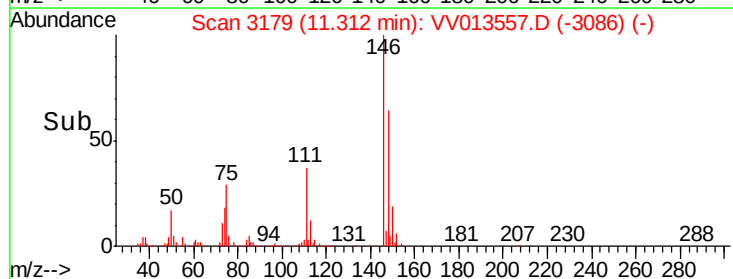
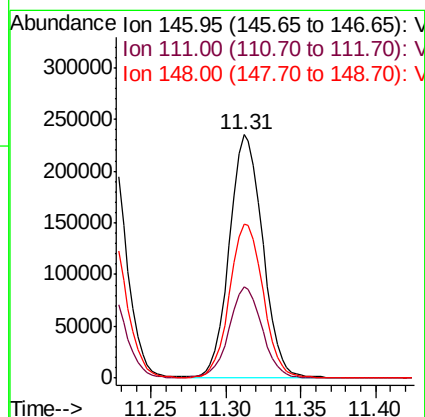
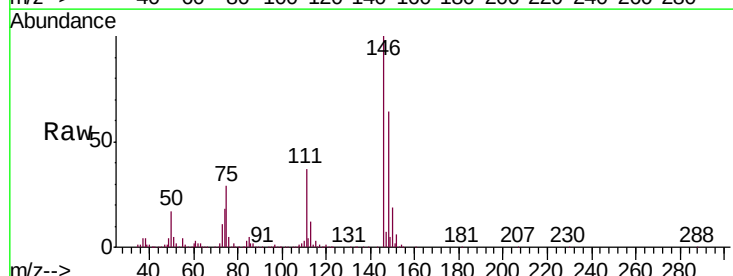
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

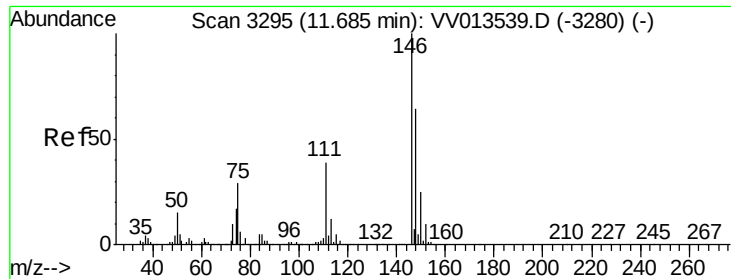
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.2	48.6
148	62.4	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.014 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	25.2	46.8
148	63.5	44.7	82.9

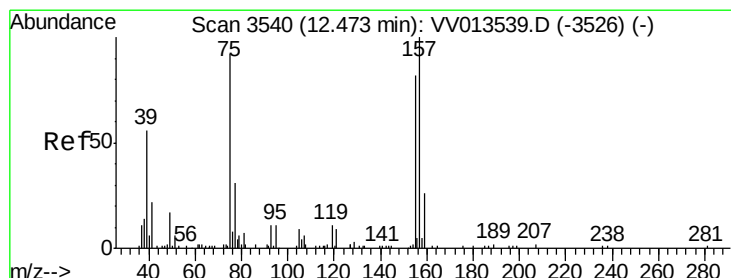
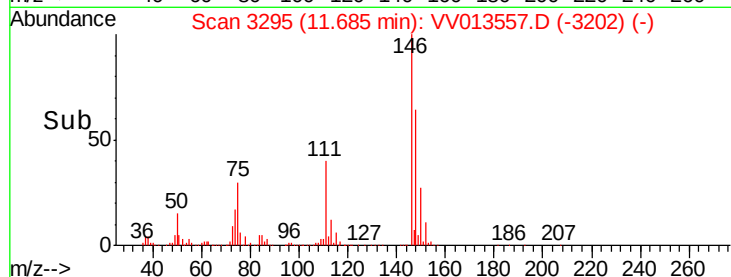
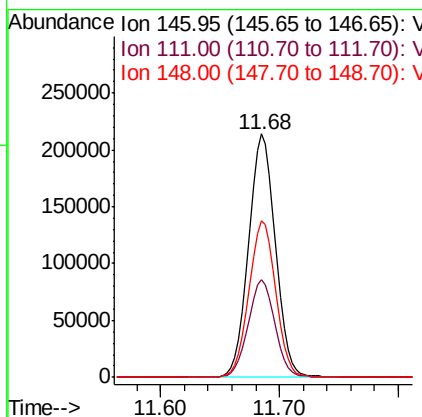
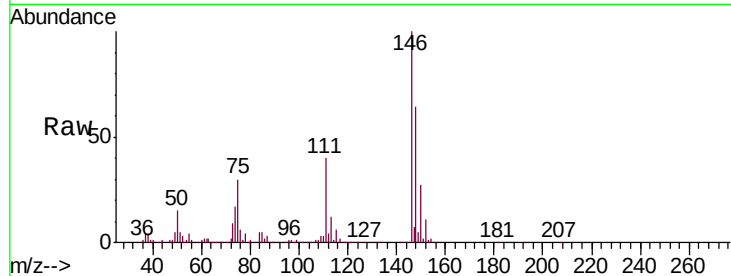




#65
 1,2-Dichlorobenzene
 Concen: 5.022 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

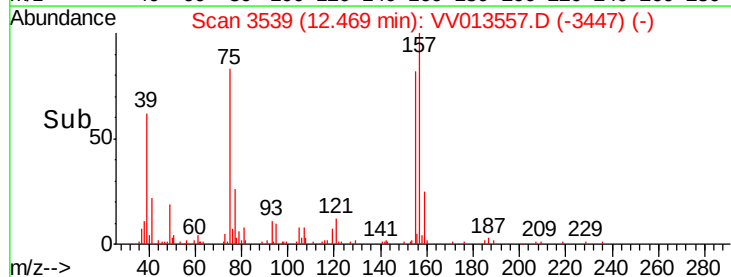
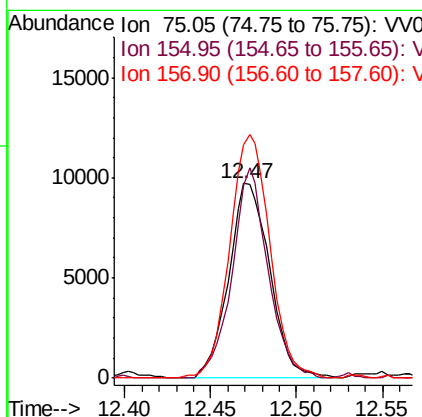
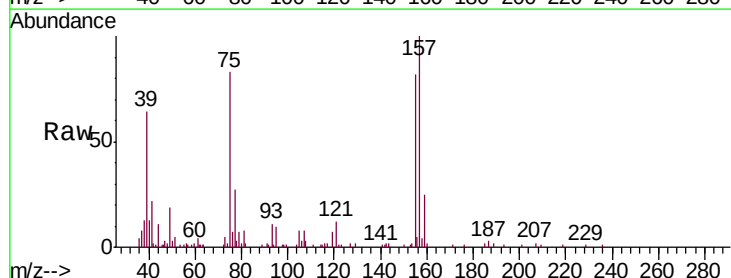
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00551

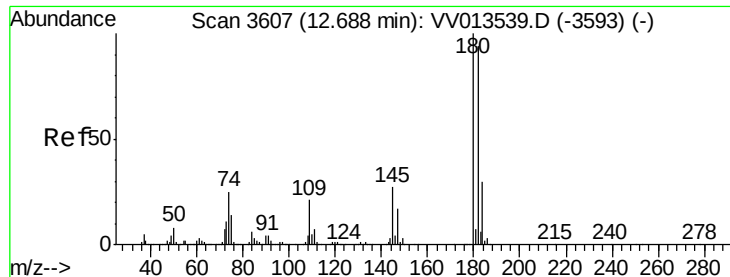
Tgt Ion:146 Resp: 333478
 Ion Ratio Lower Upper
 146 100
 111 40.3 31.2 46.8
 148 64.2 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.797 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013557.D
 Acq: 08 Nov 2019 22:57

Tgt Ion: 75 Resp: 16220
 Ion Ratio Lower Upper
 75 100
 155 98.8 75.0 112.6
 157 119.9 92.2 138.4





#67

1,3,5-Trichlorobenzene

Concen: 5.054 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion:180 Resp: 286159

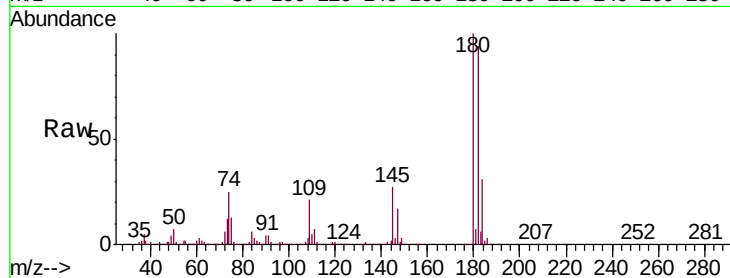
Ion Ratio Lower Upper

180 100

182 94.5 76.8 115.2

184 30.6 25.0 37.6

145 27.1 22.1 33.1

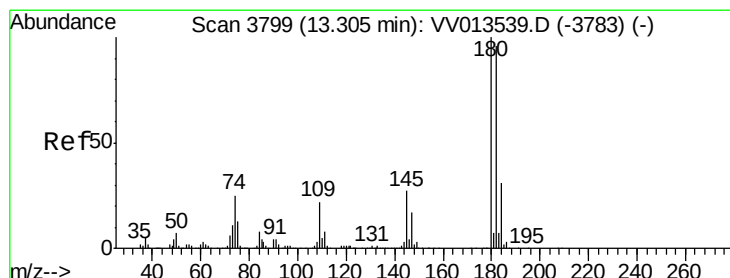
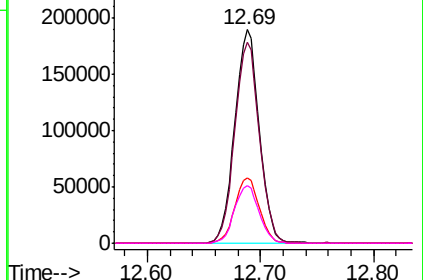
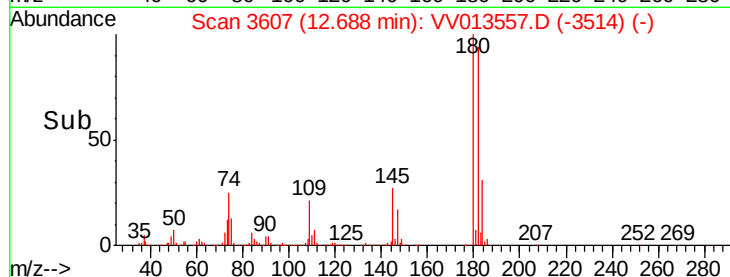


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 4.974 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

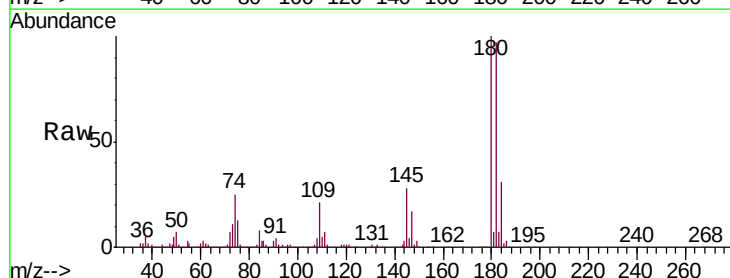
Tgt Ion:180 Resp: 224439

Ion Ratio Lower Upper

180 100

182 95.4 76.6 115.0

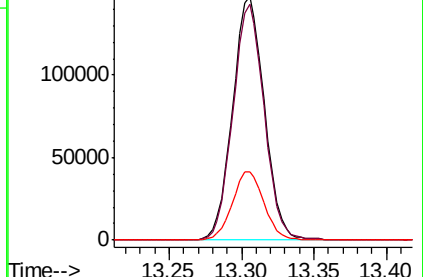
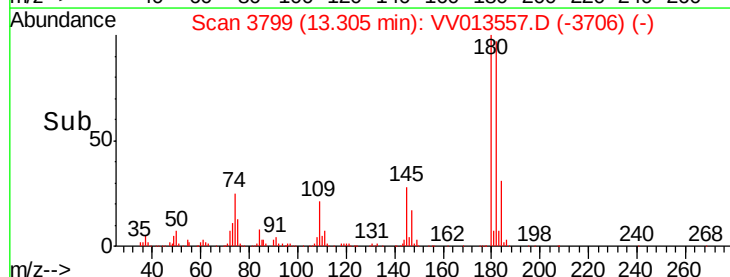
145 28.0 22.2 33.4

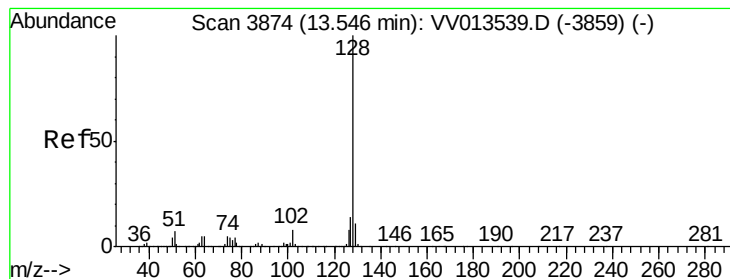


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.075 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

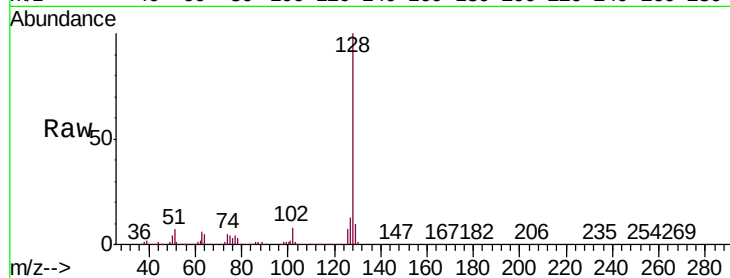
Tgt Ion:128 Resp: 309269

Ion Ratio Lower Upper

128 100

129 10.3 8.5 12.7

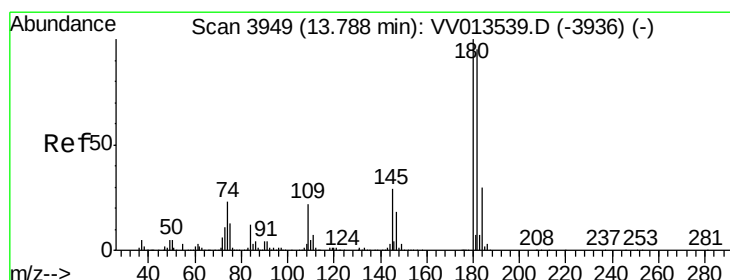
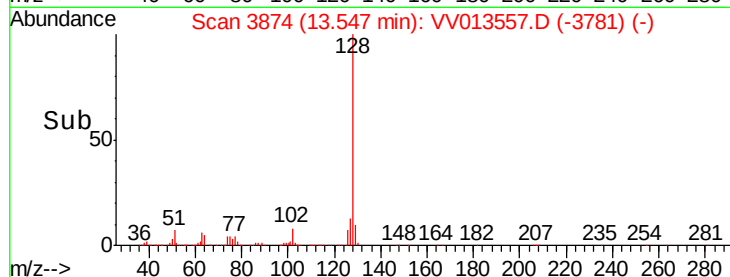
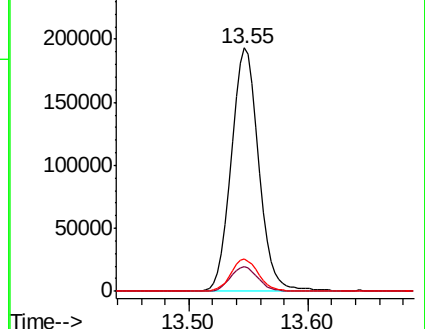
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.104 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013557.D

Acq: 08 Nov 2019 22:57

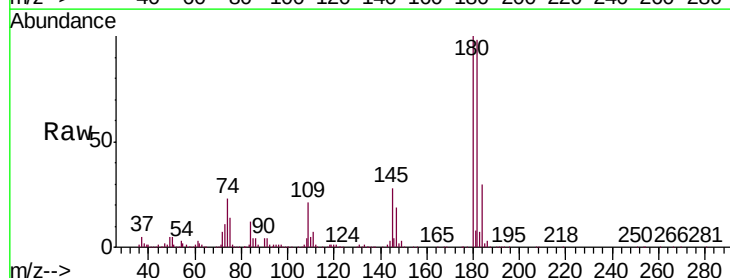
Tgt Ion:180 Resp: 216186

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 28.6 23.2 34.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

