

Data File : VV013450.D
Acq On : 31 Oct 2019 16:21
Operator : SY/MD
Sample : VSTD0.533
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Quant Time: Nov 01 04:54:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	363096	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	371790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	223589	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14119	0.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	12561	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	26578	0.49	ug/L	0.00
20) 2-Butanone-d5	3.96	46	37917	4.91	ug/L	0.01
24) Chloroform-d	4.40	84	34602	0.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	18632	0.56	ug/L	0.00
32) Benzene-d6	5.10	84	62606	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	20094	0.51	ug/L	0.00
41) Toluene-d8	7.36	98	58399	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	8393	0.57	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	21327	4.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	16019	0.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	26718	0.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	23475	0.489 ug/L	95
3) Chloromethane	1.25	50	19110	0.473 ug/L	100
5) Vinyl chloride	1.32	62	20887	0.531 ug/L #	81
6) Bromomethane	1.53	94	9395	0.458 ug/L	99
8) Chloroethane	1.60	64	11182	0.502 ug/L	98
9) Trichlorofluoromethane	1.77	101	26466	0.512 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16119	0.561 ug/L	96
12) 1,1-Dichloroethene	2.14	96	14559	0.528 ug/L	92
13) Acetone	2.21	43	19820	5.019 ug/L	94
14) Carbon disulfide	2.32	76	45363	0.546 ug/L	97
15) Methyl Acetate	2.47	43	7448	0.516 ug/L #	88
16) Methylene chloride	2.53	84	25100	0.628 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	39302	0.528 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	18467	0.507 ug/L	93
19) 1,1-Dichloroethane	3.23	63	31672	0.474 ug/L	100
21) 2-Butanone	4.05	43	34036	3.965 ug/L	79
22) cis-1,2-Dichloroethene	3.96	96	19189	0.521 ug/L #	98
23) Bromochloromethane	4.30	128	8630	0.518 ug/L	90
25) Chloroform	4.43	83	42633	0.600 ug/L	100
27) 1,2-Dichloroethane	5.19	62	20587	0.525 ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	28364	0.521 ug/L	96
30) Cyclohexane	4.72	56	27649	0.481 ug/L	95
31) Carbon tetrachloride	4.87	117	24502	0.496 ug/L	98
33) Benzene	5.15	78	66208	0.483 ug/L	100
34) Trichloroethene	5.96	95	19366	0.512 ug/L	98
35) Methylcyclohexane	6.17	83	27738	0.493 ug/L	94
37) 1,2-Dichloropropane	6.22	63	16841	0.486 ug/L #	97
38) Bromodichloromethane	6.56	83	23046	0.527 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	21784	0.462 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	98515	4.962 ug/L	96

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ClientSampleId :
VSTD0.533

Quant Time: Nov 01 04:54:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	68239	0.479	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	17021	0.454	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	12939	0.556	ug/L	93
47) Tetrachloroethene	8.02	164	17179	0.539	ug/L	99
48) 2-Hexanone	8.19	43	64714	4.530	ug/L	95
49) Dibromochloromethane	8.29	129	14911	0.515	ug/L	94
50) 1,2-Dibromoethane	8.40	107	11799	0.550	ug/L	98
51) Chlorobenzene	8.92	112	47098	0.510	ug/L	96
52) Ethylbenzene	9.05	91	67828	0.447	ug/L	100
53) m,p-xylene	9.18	106	26741	0.475	ug/L	93
54) o-xylene	9.59	106	24251	0.443	ug/L	100
55) Styrene	9.60	104	41088	0.448	ug/L	99
56) Isopropylbenzene	9.97	105	62351	0.425	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	14607	0.579	ug/L #	89
59) 1,2,3-Trichloropropane	10.31	75	11704	0.569	ug/L	98
61) Bromoform	9.77	173	8140	0.491	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	39470	0.531	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	41211	0.551	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	35320	0.510	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	2156	0.598	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	34153	0.574	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	28930	0.625	ug/L	100
69) Naphthalene	13.55	128	35895	0.554	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.79	180	25384	0.599	ug/L	94

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

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Operator : SY/MD

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Operator      : ST, ND
Sample        : VSTD0.533

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Misc : 25.0ML/MSVOA_V/WATER

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ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

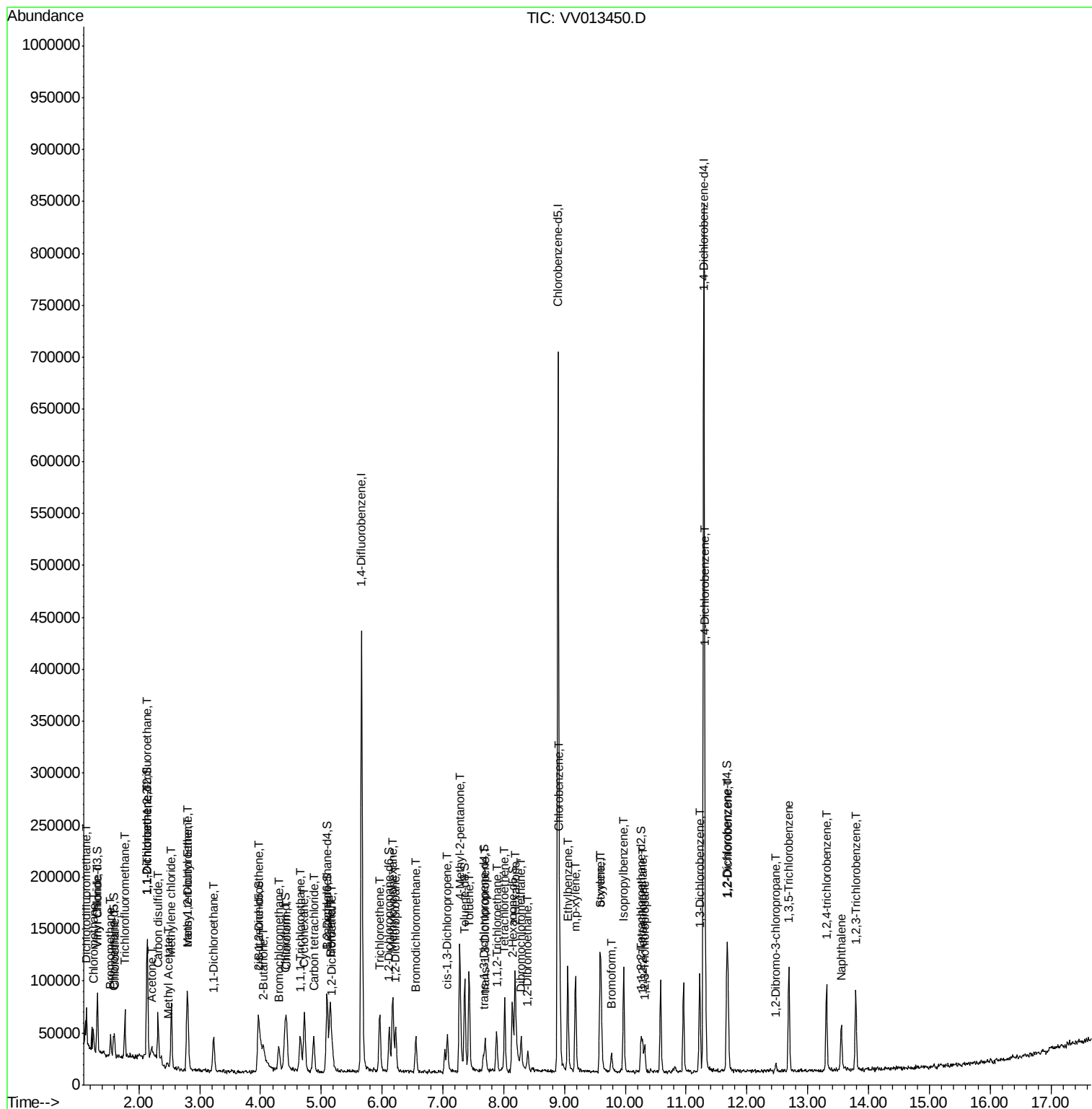
Quant Time: Nov 01 04:54:58 2019

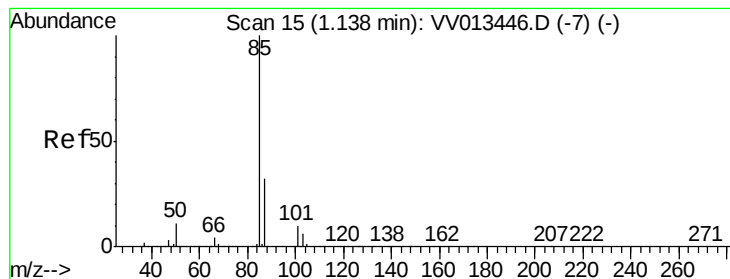
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR103119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 01 04:50:11 2019

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#2

Dichlorodifluoromethane

Concen: 0.489 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

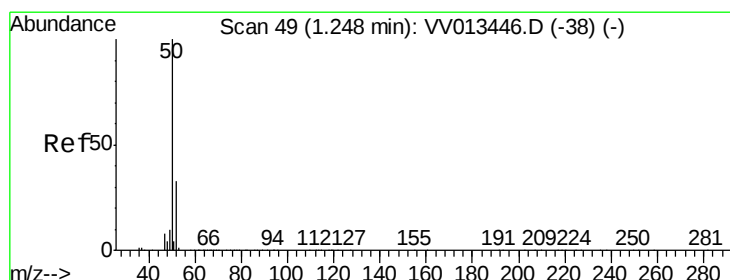
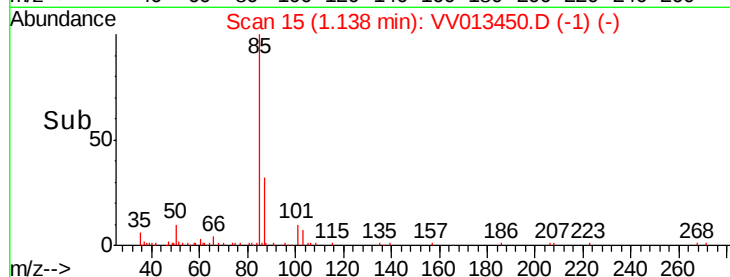
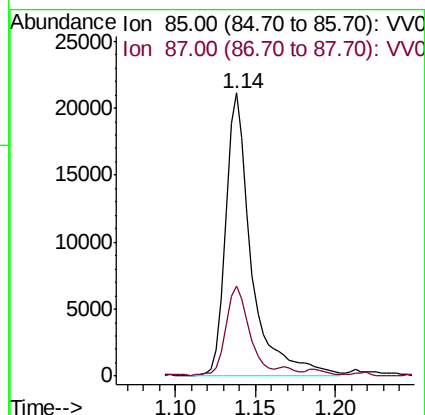
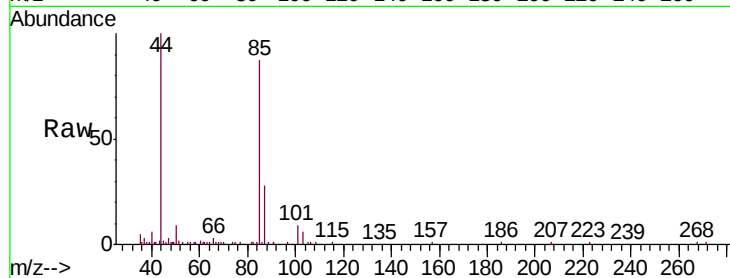
VSTD0.533

Tgt Ion: 85 Resp: 23475

Ion Ratio Lower Upper

85 100

87 29.3 25.6 38.4



#3

Chloromethane

Concen: 0.473 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013450.D

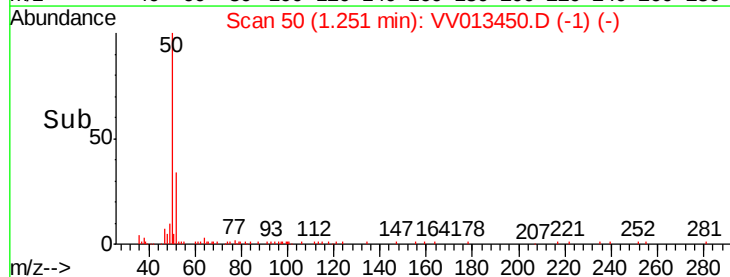
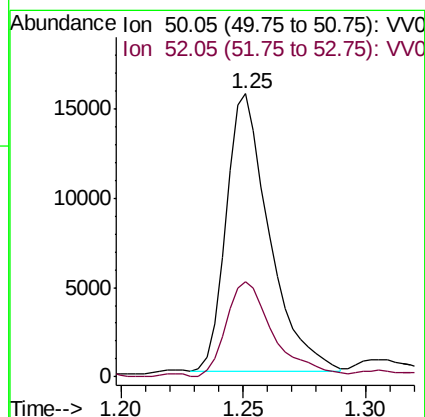
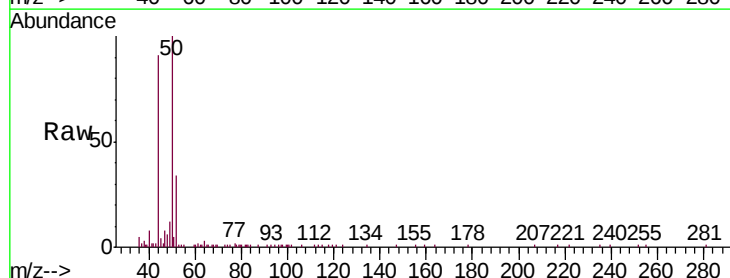
Acq: 31 Oct 2019 16:21

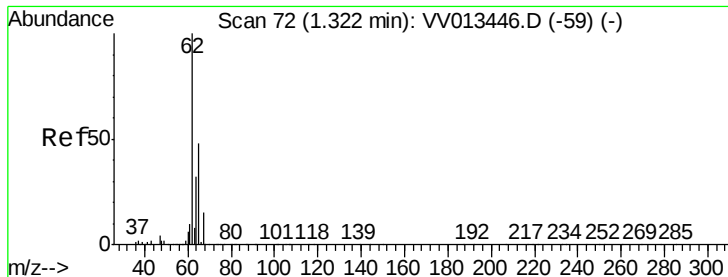
Tgt Ion: 50 Resp: 19110

Ion Ratio Lower Upper

50 100

52 33.7 23.4 43.6





#5

Vinyl chloride

Concen: 0.531 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

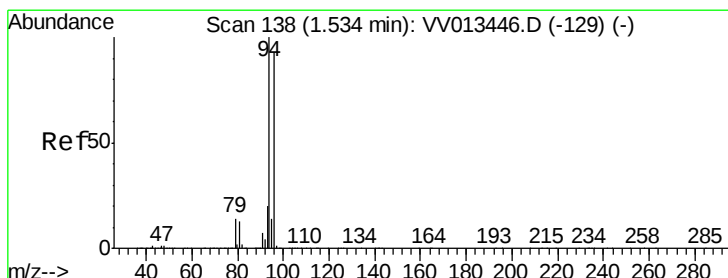
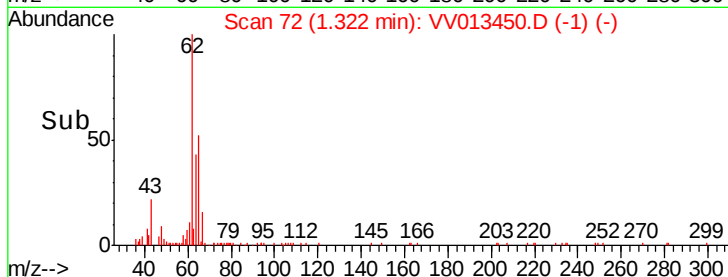
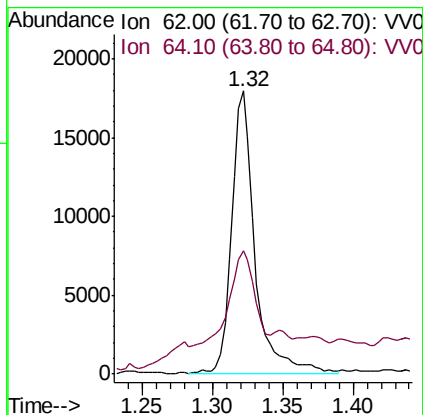
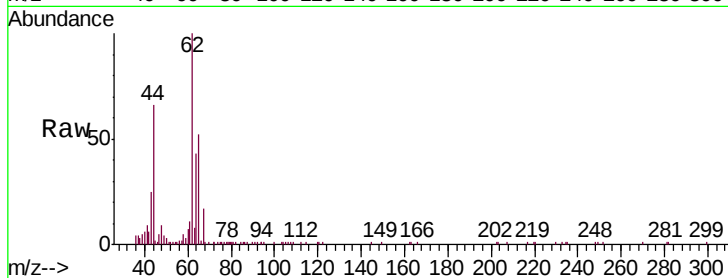
VSTD0.533

Tgt Ion: 62 Resp: 20887

Ion Ratio Lower Upper

62 100

64 43.5 23.1 42.9#



#6

Bromomethane

Concen: 0.458 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013450.D

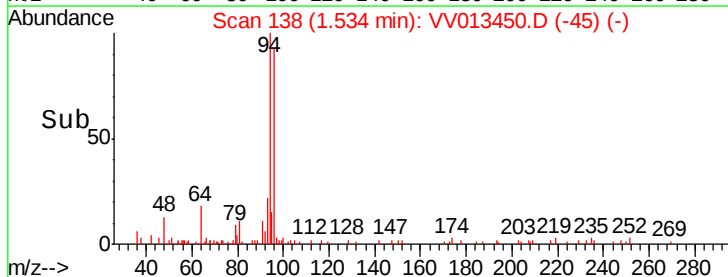
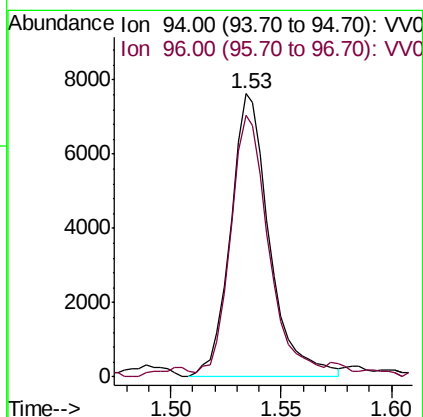
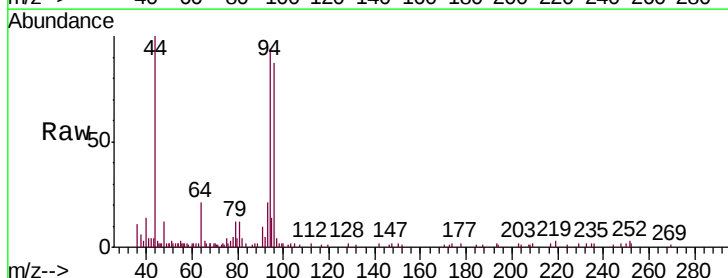
Acq: 31 Oct 2019 16:21

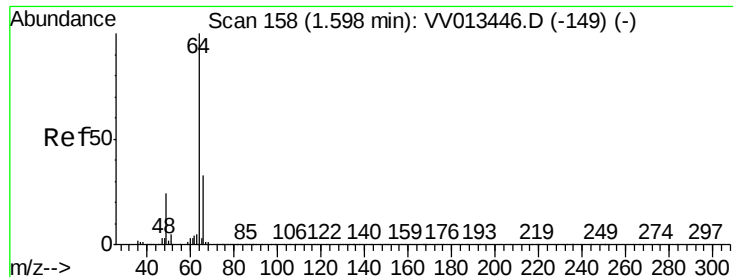
Tgt Ion: 94 Resp: 9395

Ion Ratio Lower Upper

94 100

96 92.6 65.2 121.2





#8

Chloroethane

Concen: 0.502 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

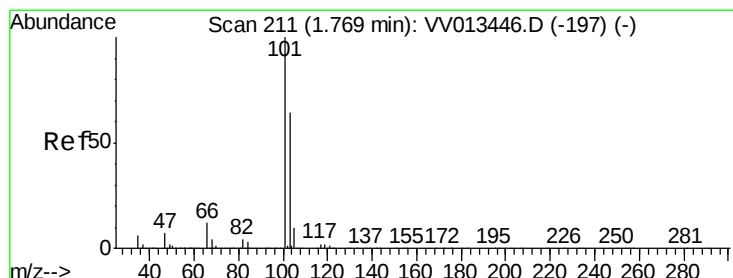
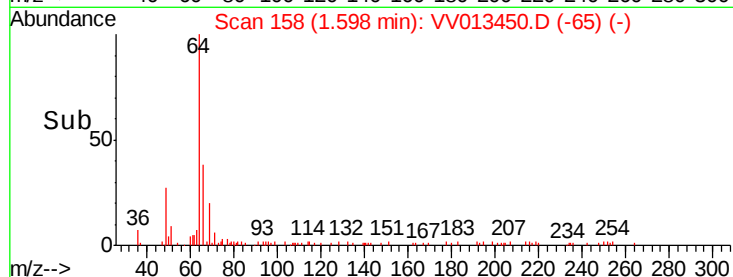
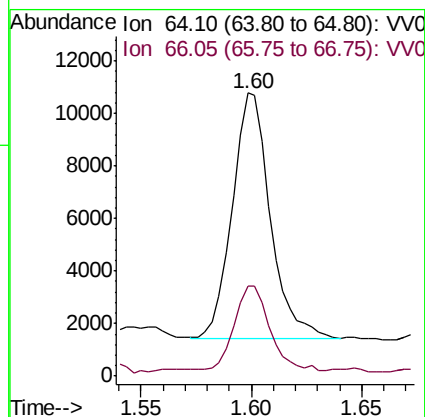
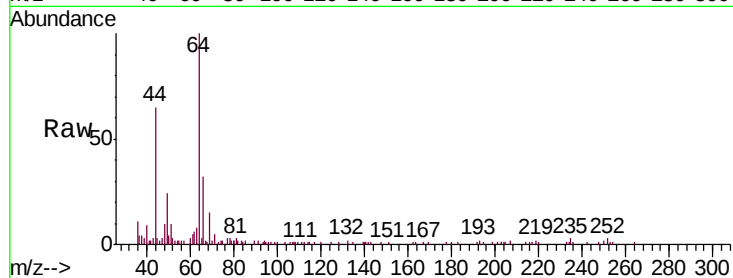
VSTD0.533

Tgt Ion: 64 Resp: 11182

Ion Ratio Lower Upper

64 100

66 31.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 0.512 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013450.D

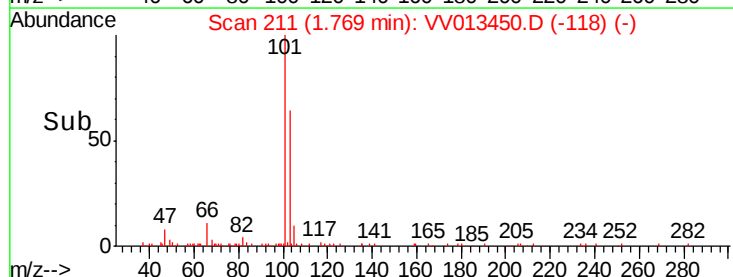
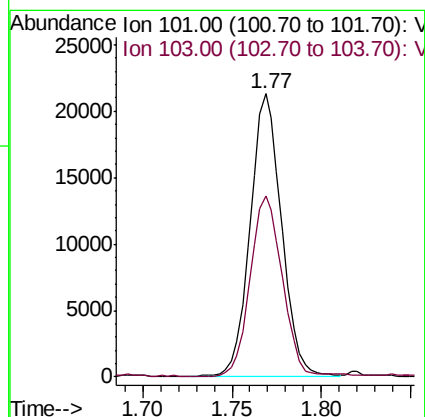
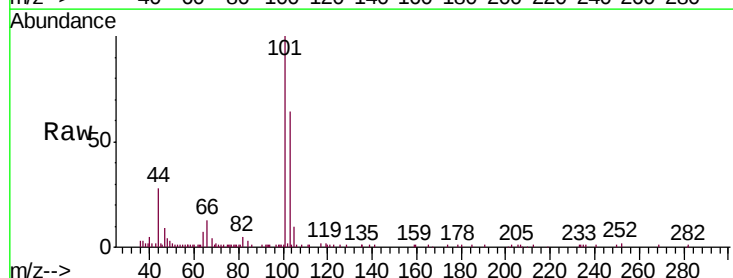
Acq: 31 Oct 2019 16:21

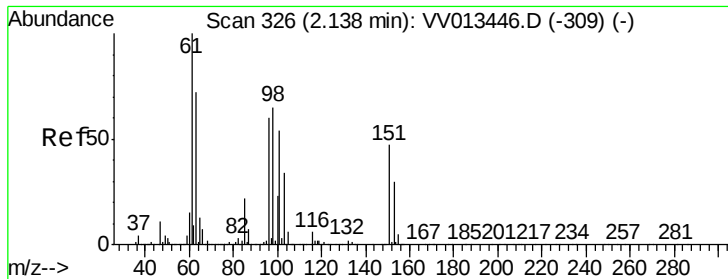
Tgt Ion: 101 Resp: 26466

Ion Ratio Lower Upper

101 100

103 66.0 52.1 78.1





#10

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

Concen: 0.561 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

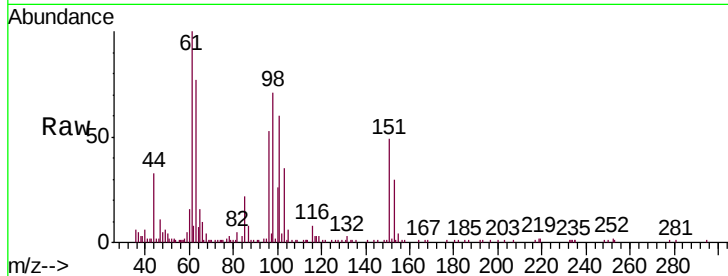
Tgt Ion: 101 Resp: 16119

Ion Ratio Lower Upper

101 100

85 39.4 33.1 49.7

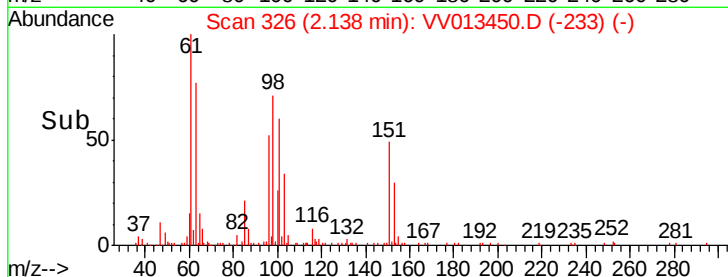
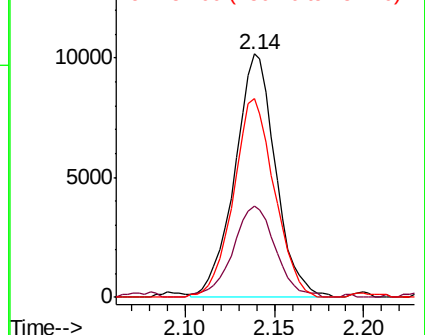
151 82.0 68.8 103.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.528 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

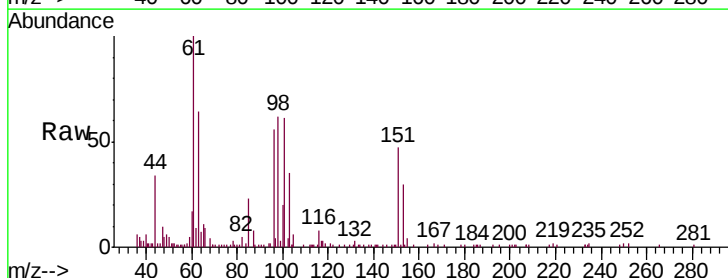
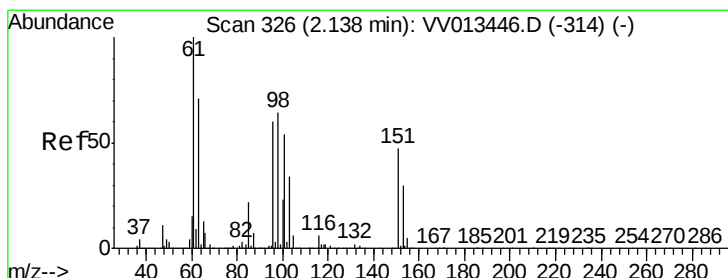
Tgt Ion: 96 Resp: 14559

Ion Ratio Lower Upper

96 100

61 179.8 117.1 217.5

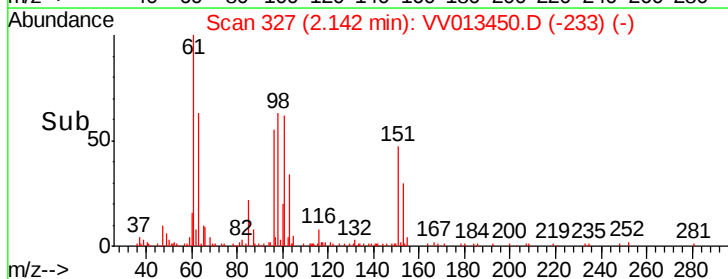
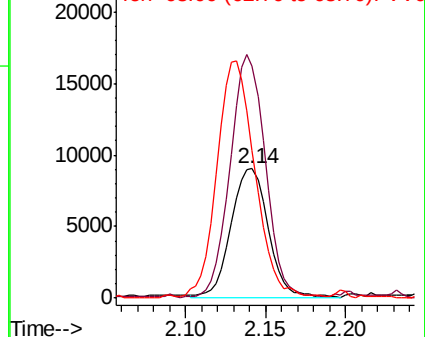
63 114.5 84.1 156.3

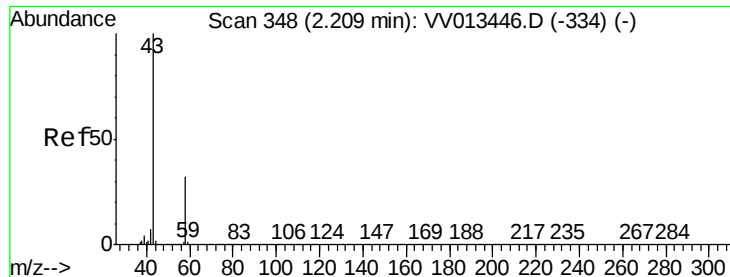


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.019 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

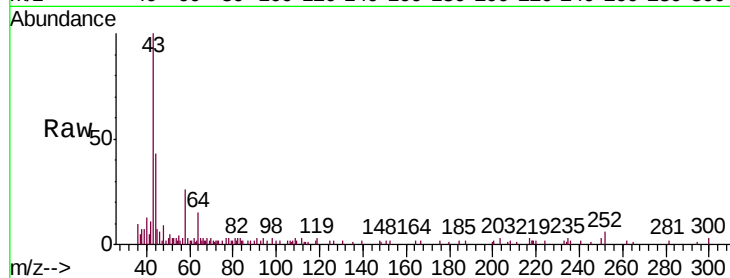
VSTD0.533

Tgt Ion: 43 Resp: 19820

Ion Ratio Lower Upper

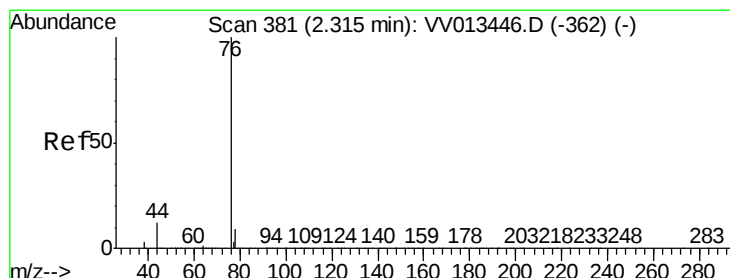
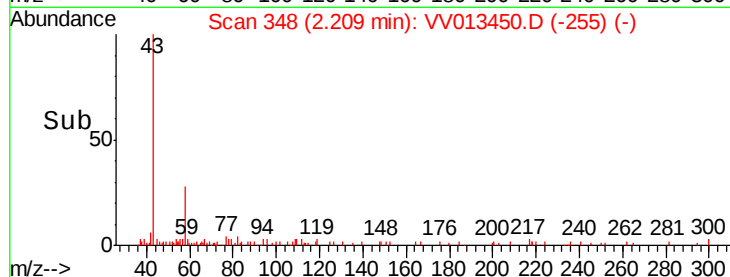
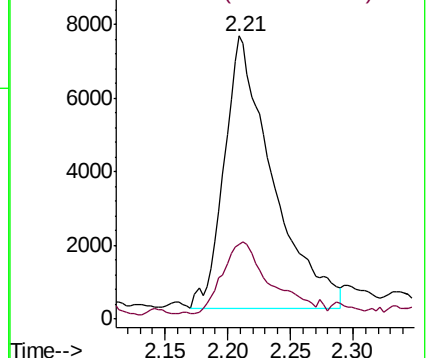
43 100

58 25.6 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.546 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013450.D

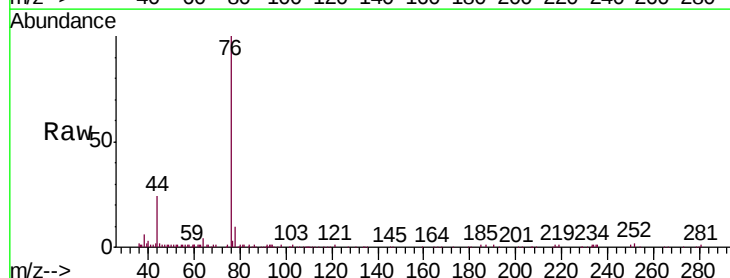
Acq: 31 Oct 2019 16:21

Tgt Ion: 76 Resp: 45363

Ion Ratio Lower Upper

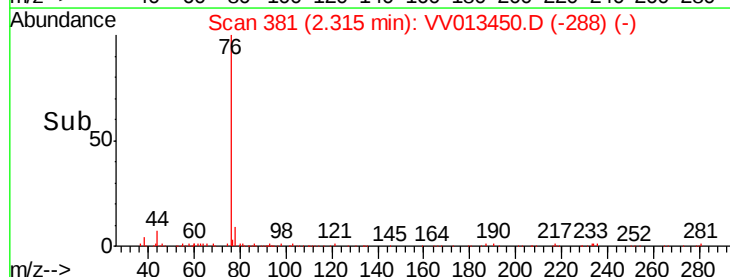
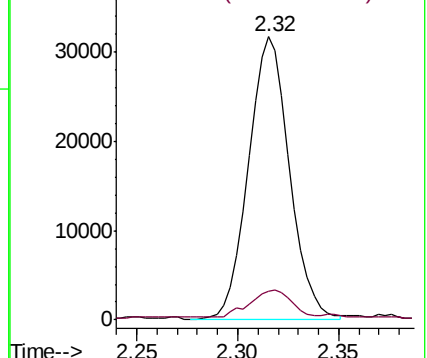
76 100

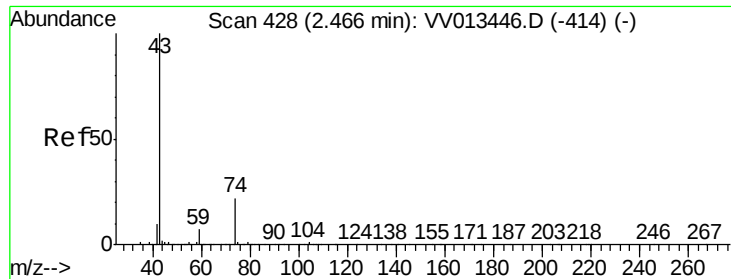
78 10.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

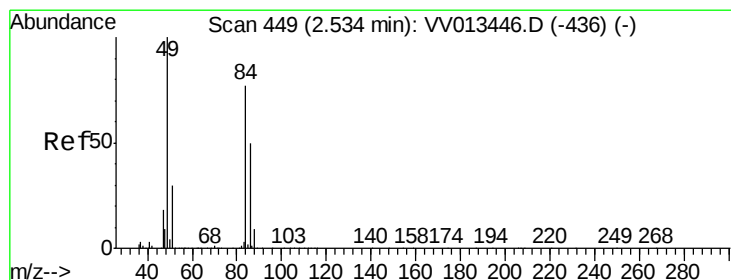
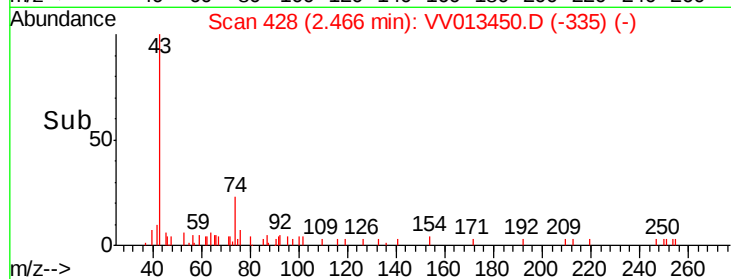
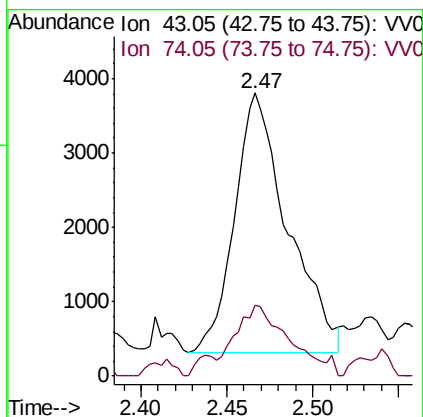
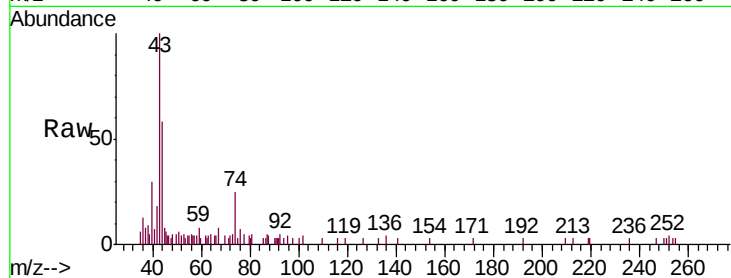




#15
Methyl Acetate
Concen: 0.516 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

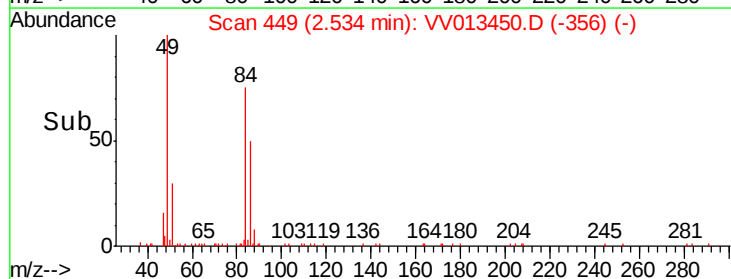
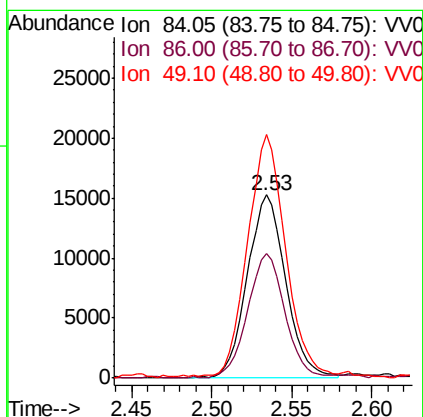
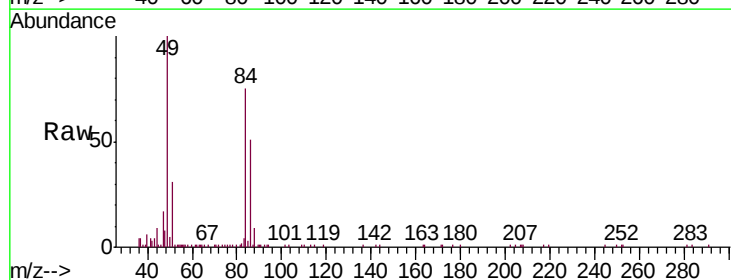
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

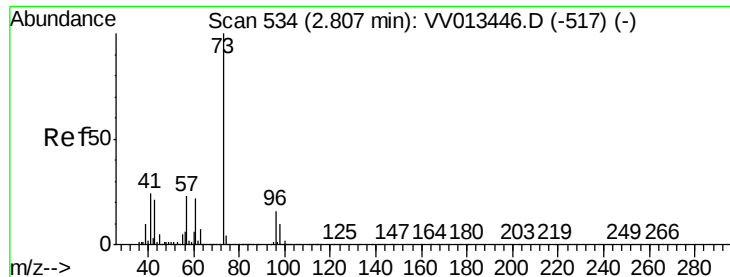
Tgt Ion: 43 Resp: 7448
Ion Ratio Lower Upper
43 100
74 27.9 17.8 26.8#



#16
Methylene chloride
Concen: 0.628 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

Tgt Ion: 84 Resp: 25100
Ion Ratio Lower Upper
84 100
86 68.1 45.3 84.1
49 132.8 90.4 168.0





#17

Methyl tert-butyl Ether

Concen: 0.528 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

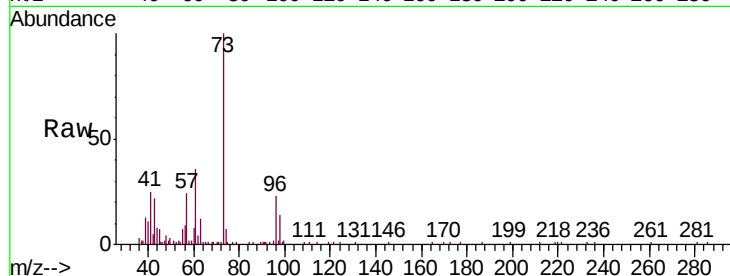
Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion: 73 Resp: 39302

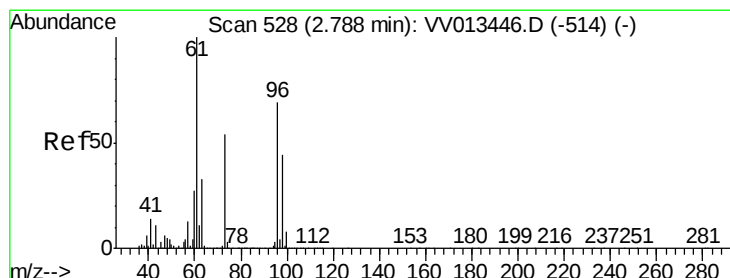
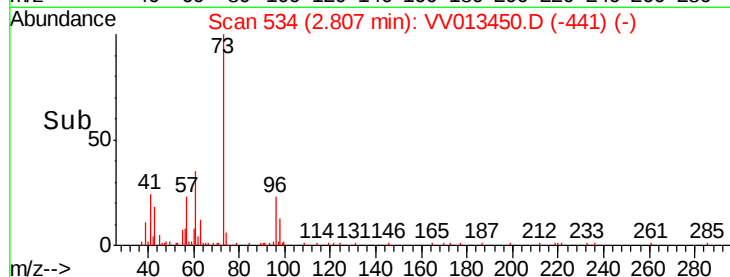
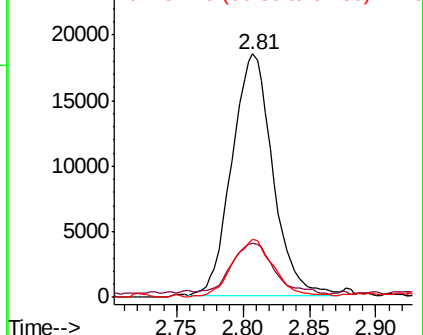
Ion	Ratio	Lower	Upper
73	100		
43	22.1	15.9	23.9
57	24.7	18.5	27.7



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.507 ug/L

RT: 2.79 min Scan# 529

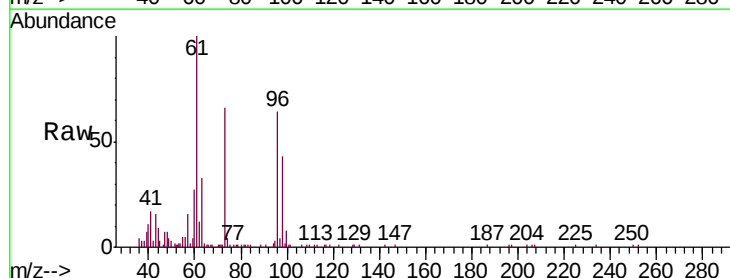
Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Tgt Ion: 96 Resp: 18467

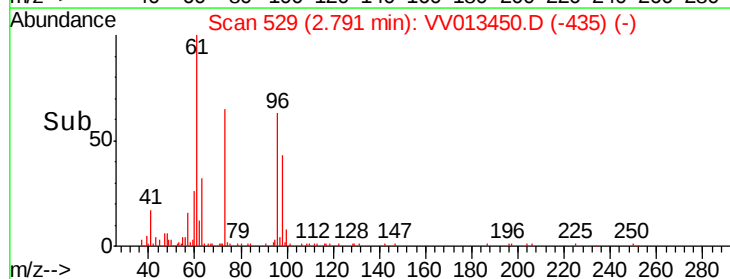
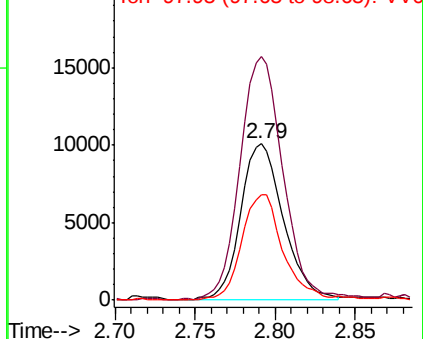
Ion	Ratio	Lower	Upper
96	100		
61	155.8	102.2	189.8
98	67.1	44.9	83.5

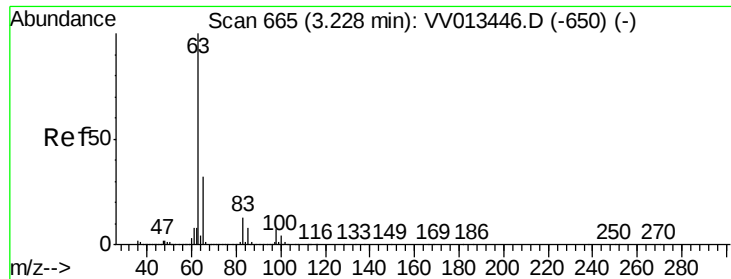


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

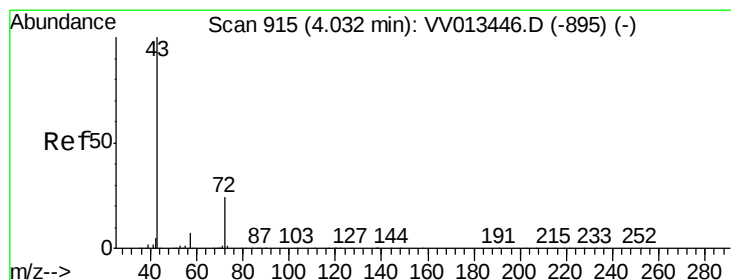
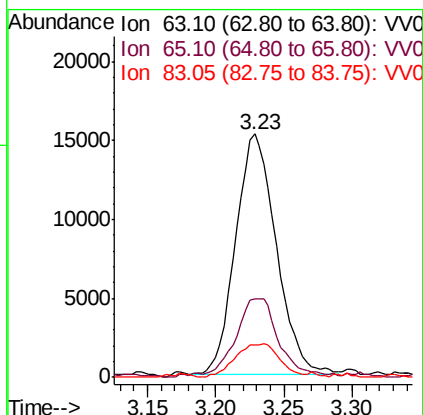
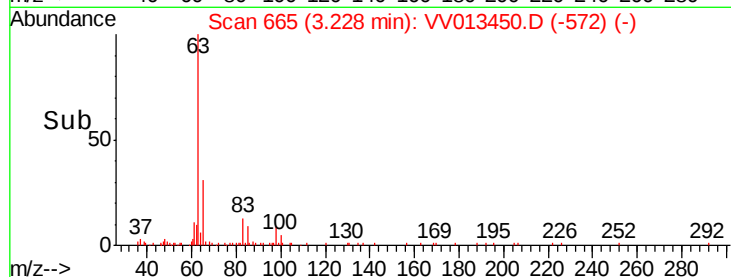
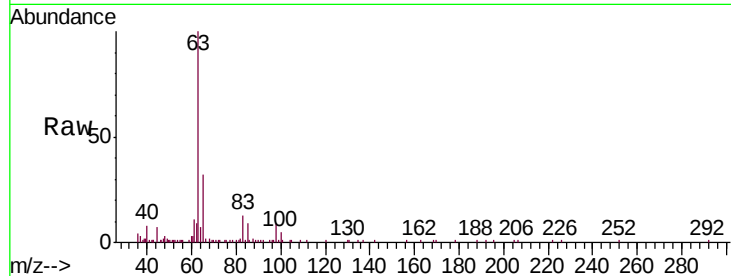




#19
 1,1-Dichloroethane
 Concen: 0.474 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

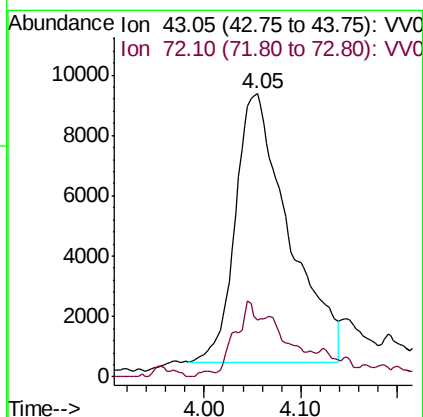
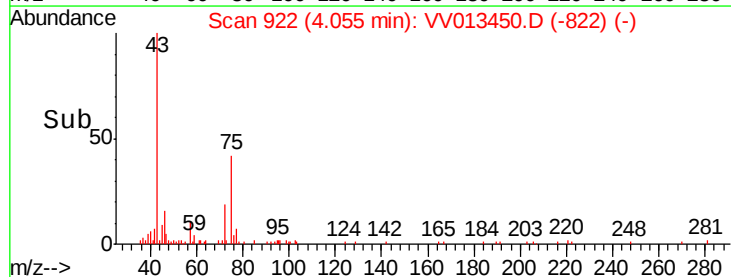
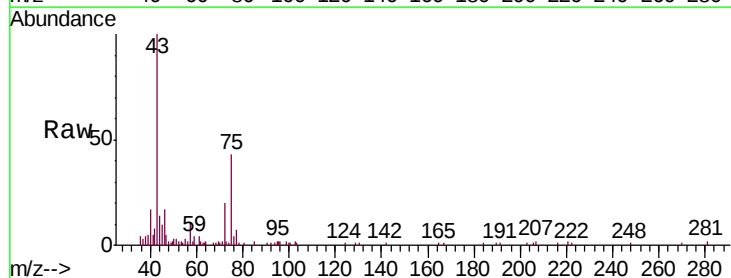
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

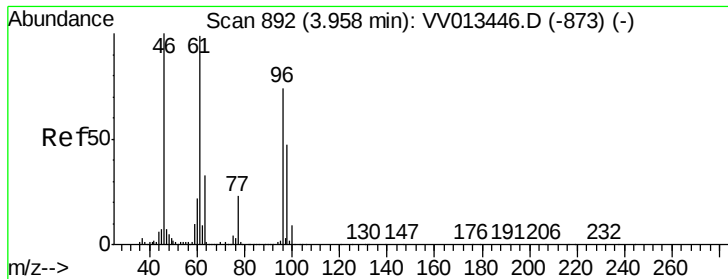
Tgt Ion: 63 Resp: 31672
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.3 9.1 16.9



#21
 2-Butanone
 Concen: 3.965 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 43 Resp: 34036
 Ion Ratio Lower Upper
 43 100
 72 11.9 10.9 32.7



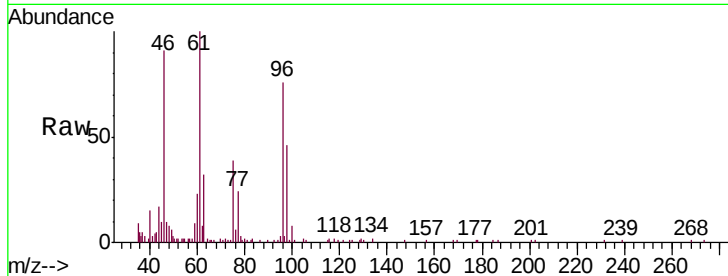


#22

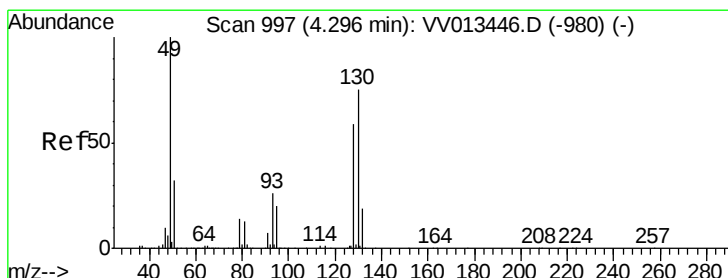
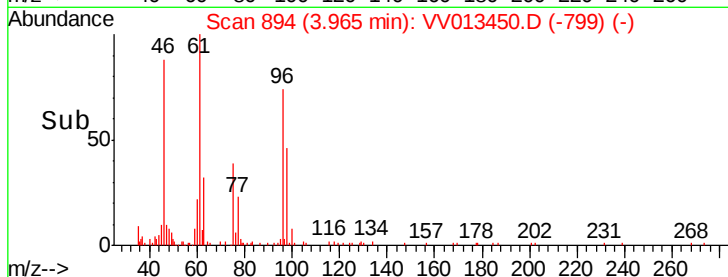
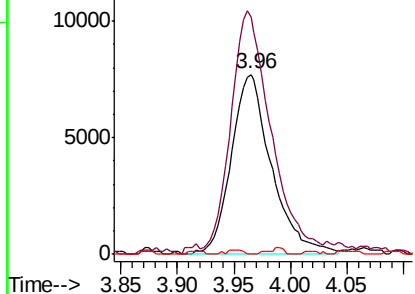
cis-1,2-Dichloroethene
 Concen: 0.521 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion: 96 Resp: 19189
 Ion Ratio Lower Upper
 96 100
 61 131.9 94.2 175.0
 68 0.0 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

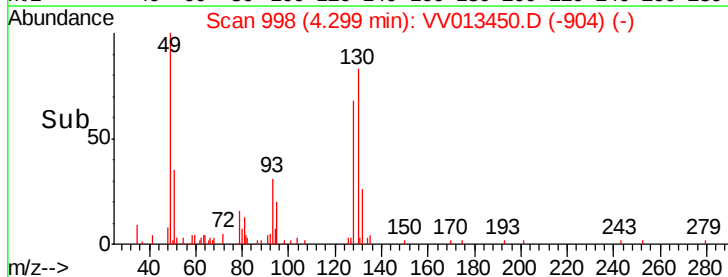
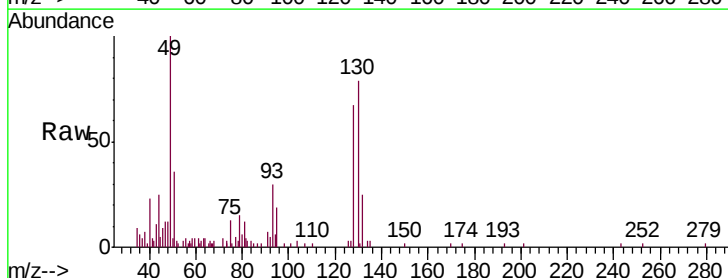
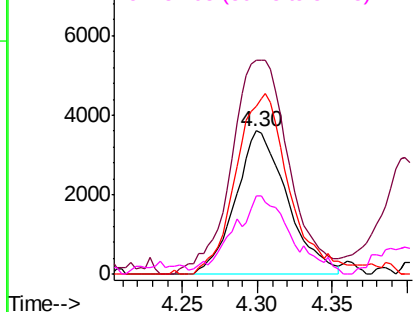


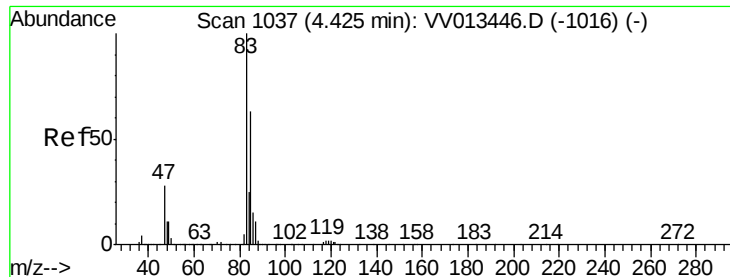
#23

Bromochloromethane
 Concen: 0.518 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 128 Resp: 8630
 Ion Ratio Lower Upper
 128 100
 49 149.3 118.8 220.6
 130 117.6 89.0 165.4
 51 54.3 44.2 66.2

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

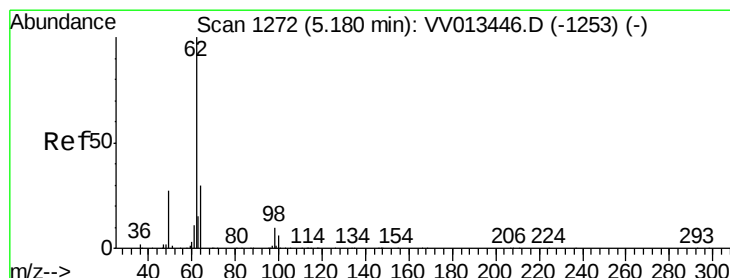
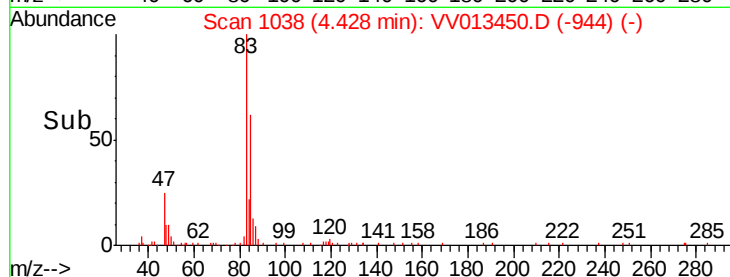
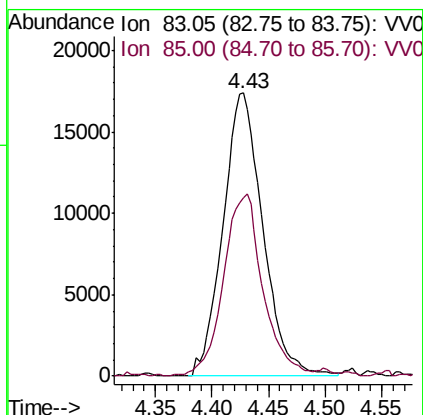
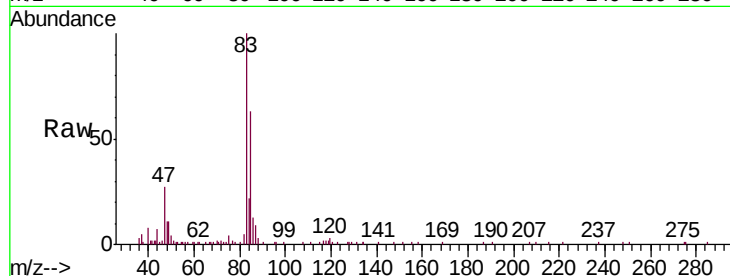




#25
Chloroform
Concen: 0.600 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

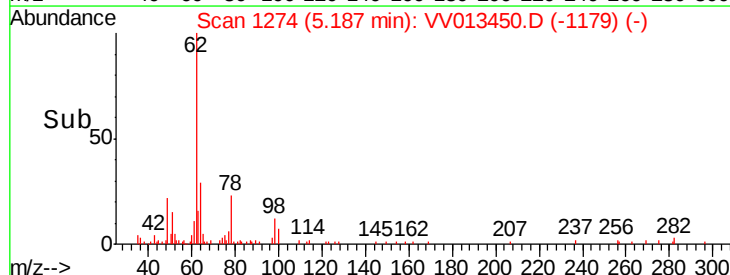
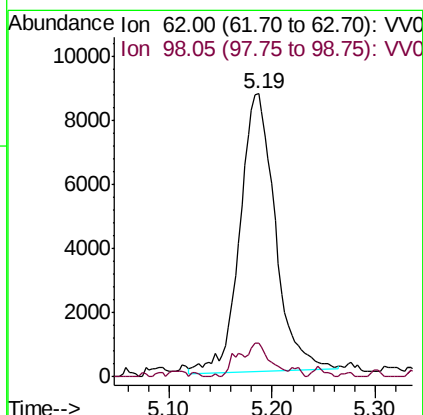
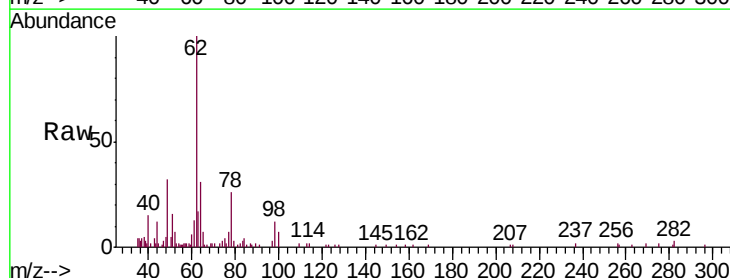
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

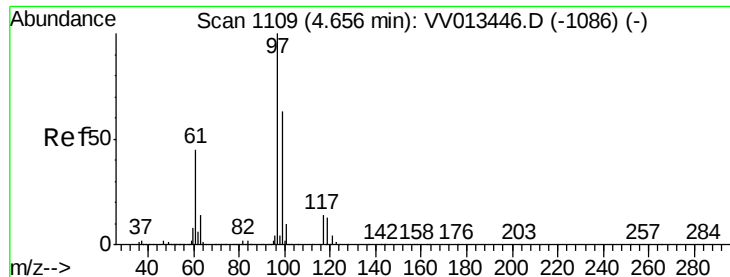
Tgt Ion: 83 Resp: 42633
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.525 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

Tgt Ion: 62 Resp: 20587
Ion Ratio Lower Upper
62 100
98 12.1 7.7 11.5#

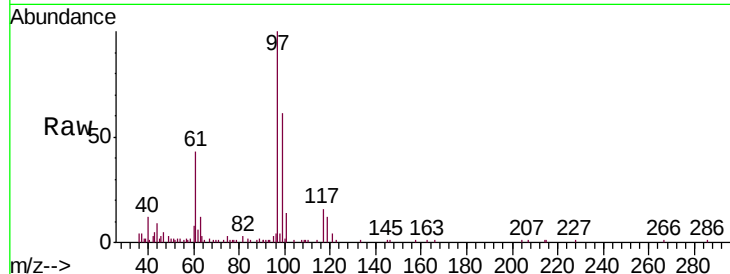




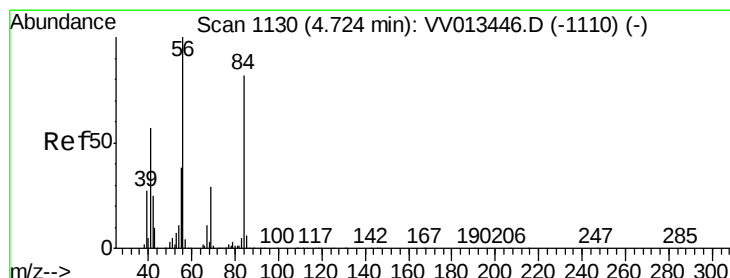
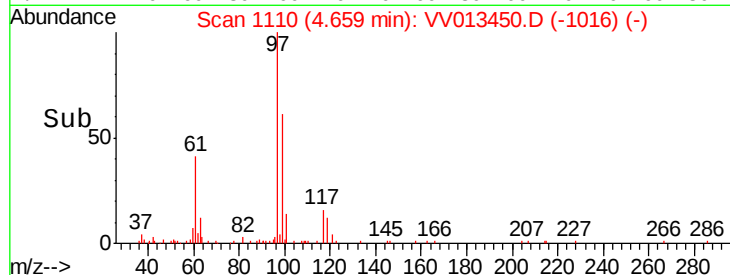
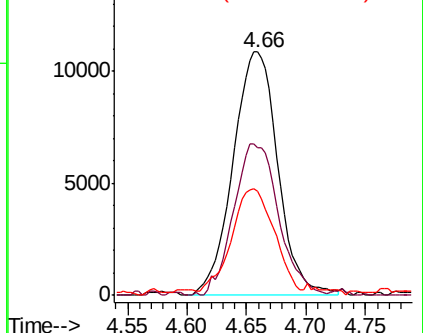
#29
 1,1,1-Trichloroethane
 Concen: 0.521 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion: 97 Resp: 28364
 Ion Ratio Lower Upper
 97 100
 99 62.5 51.5 77.3
 61 40.9 35.8 53.8

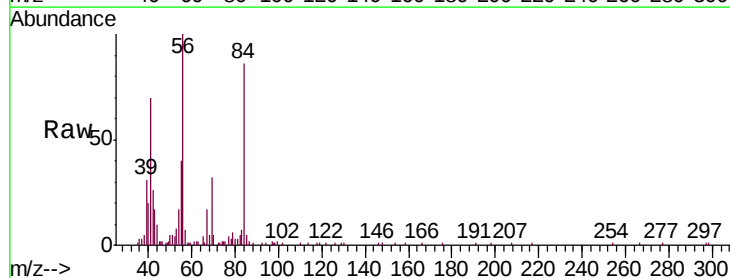


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

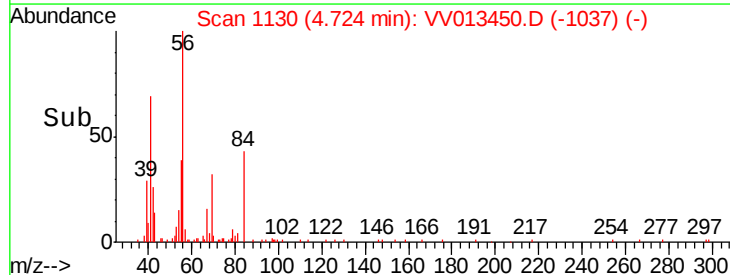
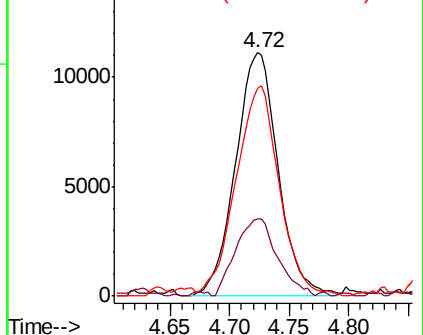


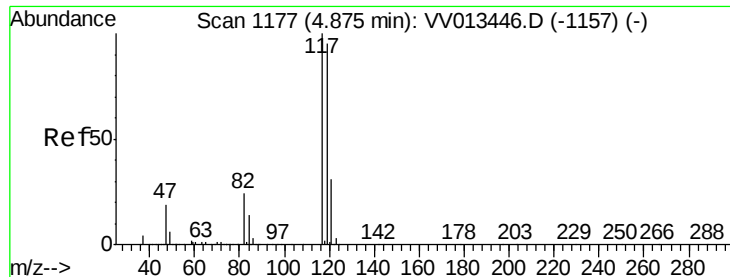
#30
 Cyclohexane
 Concen: 0.481 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 56 Resp: 27649
 Ion Ratio Lower Upper
 56 100
 69 31.0 23.0 34.6
 84 87.7 66.6 100.0



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: 0.496 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

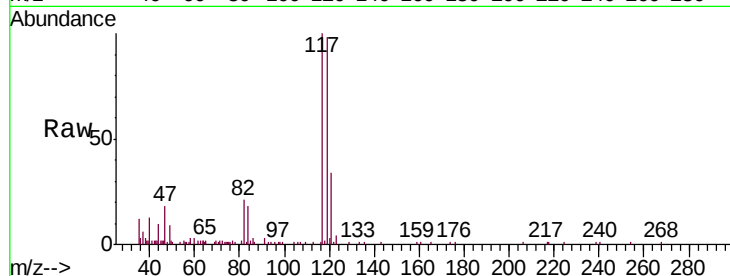
VSTD0.533

Tgt Ion:117 Resp: 24502

Ion Ratio Lower Upper

117 100

119 93.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

12000

10000

8000

6000

4000

2000

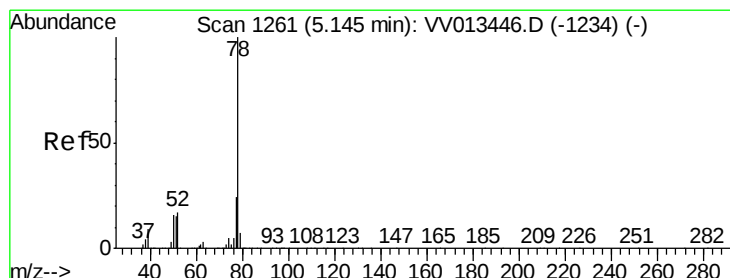
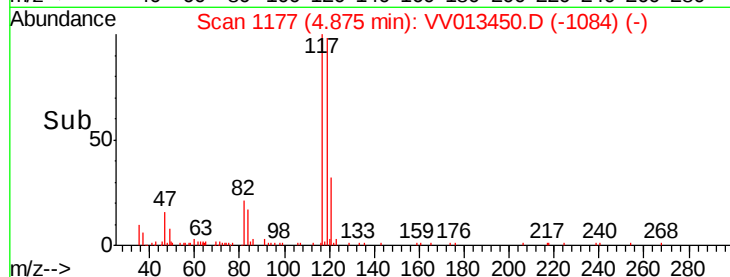
0

Time-->

4.80

4.90

5.00



#33

Benzene

Concen: 0.483 ug/L

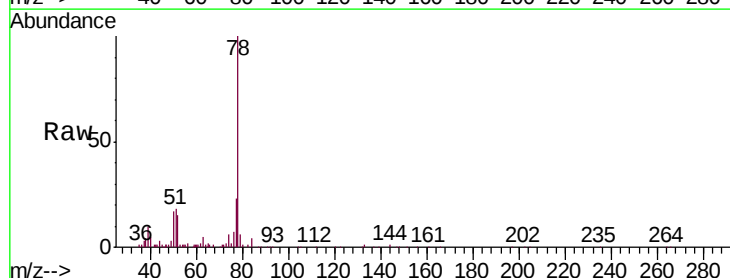
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Tgt Ion: 78 Resp: 66208



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

30000

20000

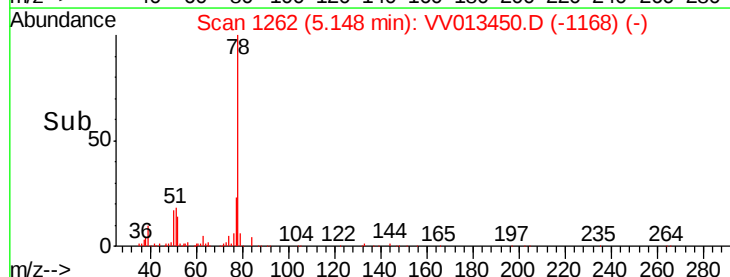
10000

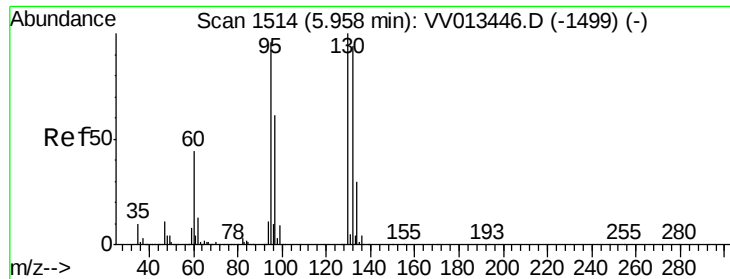
0

Time-->

5.10

5.20

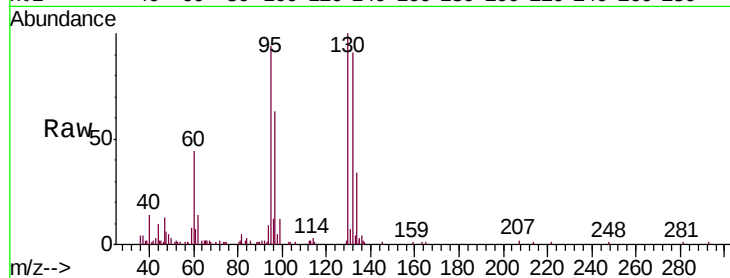




#34
 Trichloroethene
 Concen: 0.512 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion:	95	Resp:	19366
Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.2	82.2
132	96.9	68.4	127.0
130	106.1	72.9	135.5

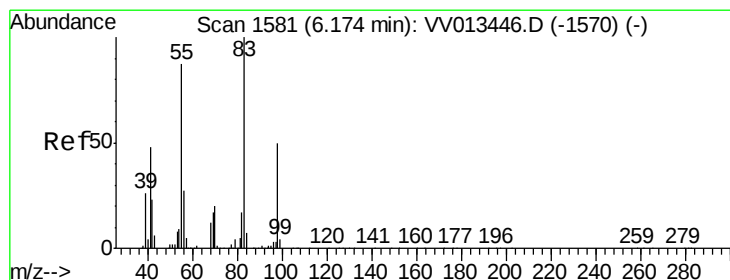
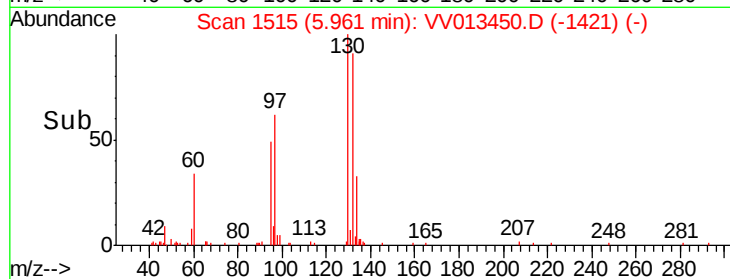
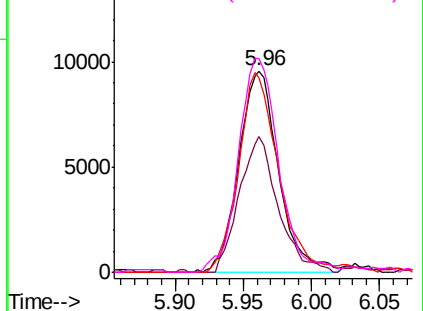


Abundance Ion 95.00 (94.70 to 95.70): VV013446.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV013446.D (-1499) (-)

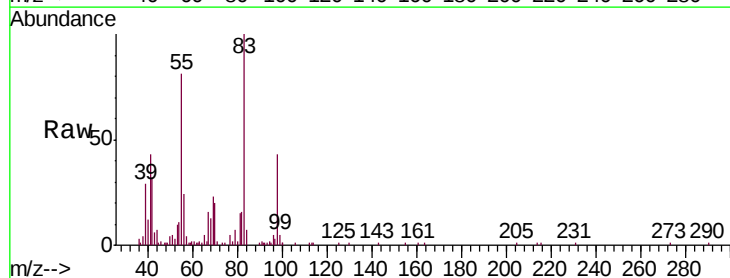
Ion 131.95 (131.65 to 132.65): VV013446.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV013446.D (-1499) (-)



#35
 Methylcyclohexane
 Concen: 0.493 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

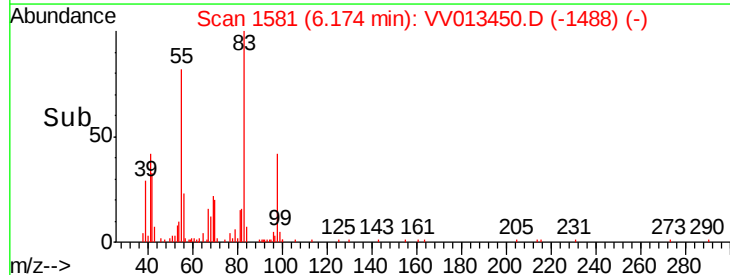
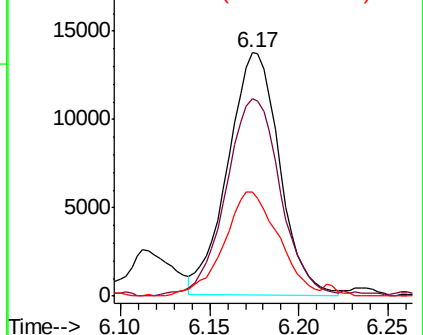
Tgt Ion:	83	Resp:	27738
Ion	Ratio	Lower	Upper
83	100		
55	85.8	64.6	96.8
98	45.4	39.1	58.7

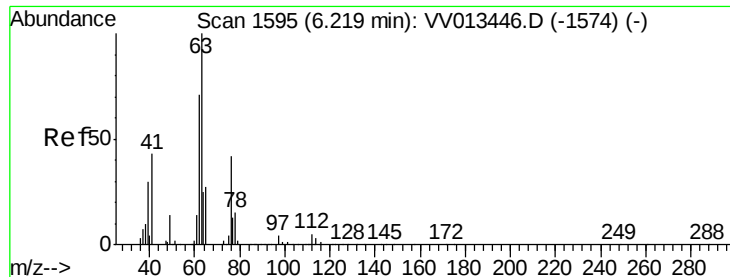


Abundance Ion 83.15 (82.85 to 83.85): VV013446.D (-1570) (-)

Ion 55.10 (54.80 to 55.80): VV013446.D (-1570) (-)

Ion 98.15 (97.85 to 98.85): VV013446.D (-1570) (-)

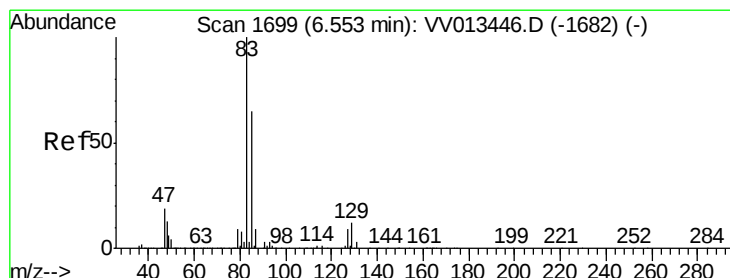
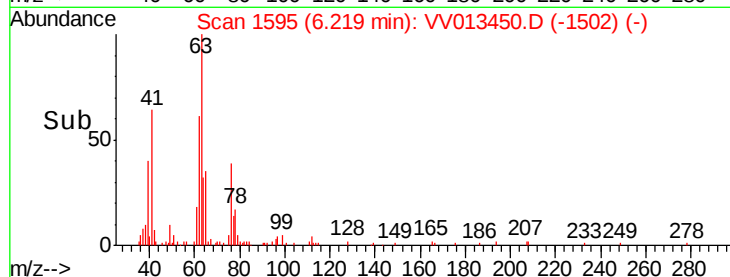
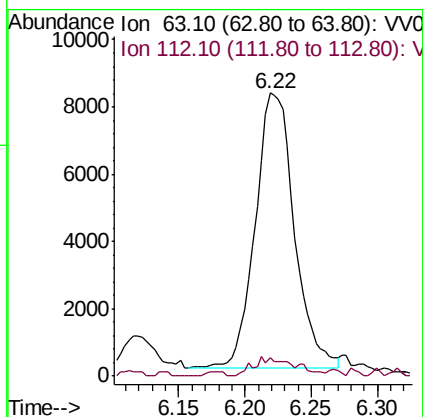
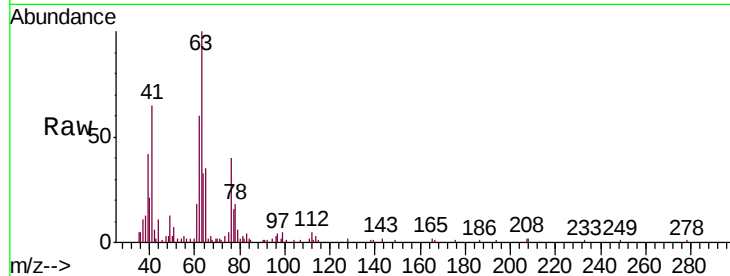




#37
 1,2-Dichloropropane
 Concen: 0.486 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

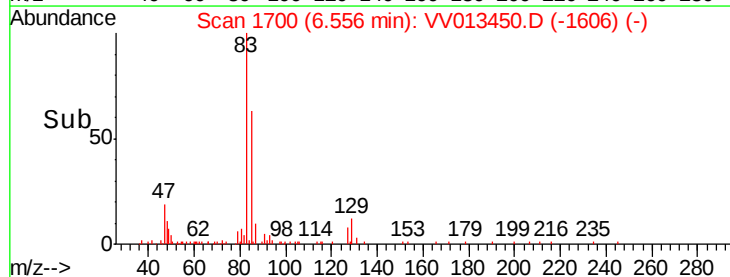
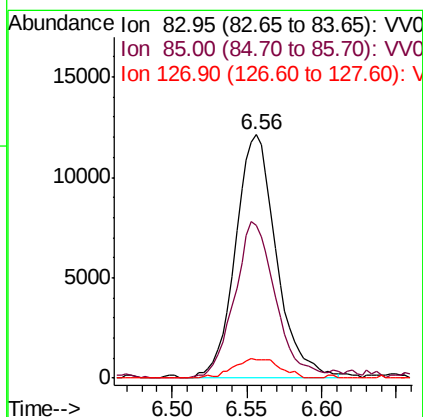
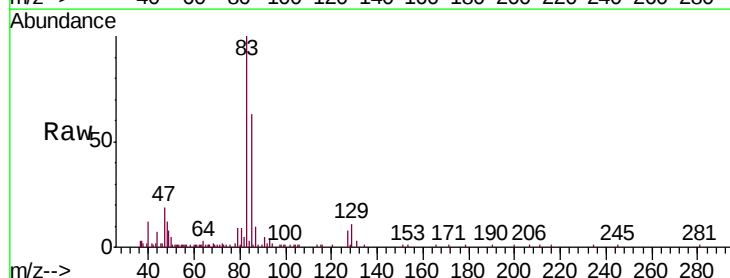
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

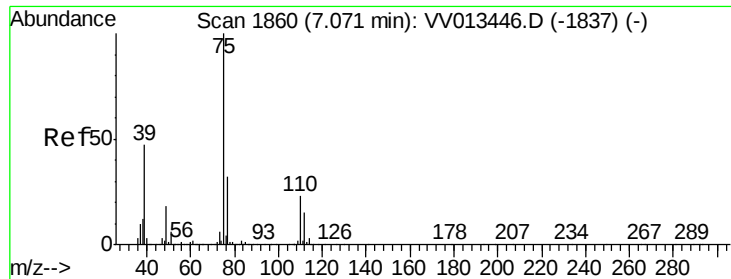
Tgt Ion: 63 Resp: 16841
 Ion Ratio Lower Upper
 63 100
 112 5.9 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 0.527 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 83 Resp: 23046
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.1 83.9
 127 7.8 7.0 10.4



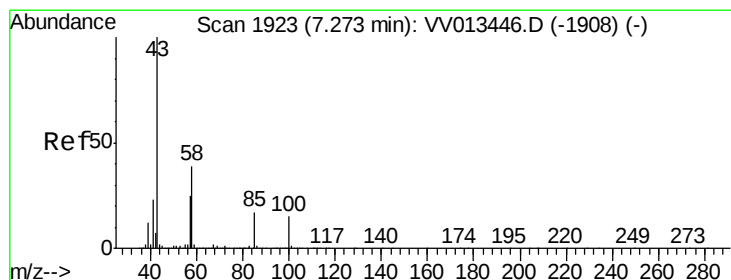
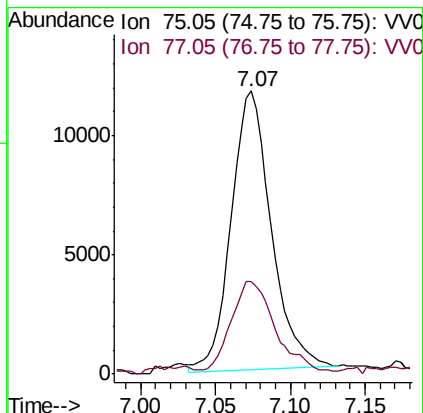
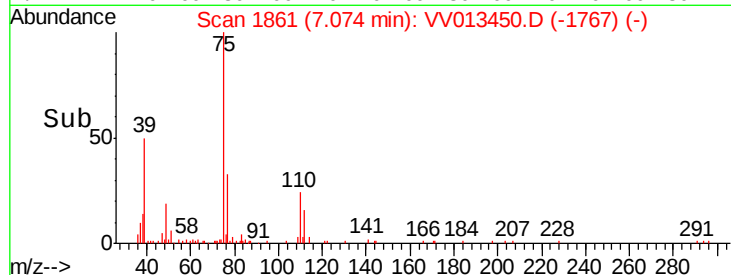
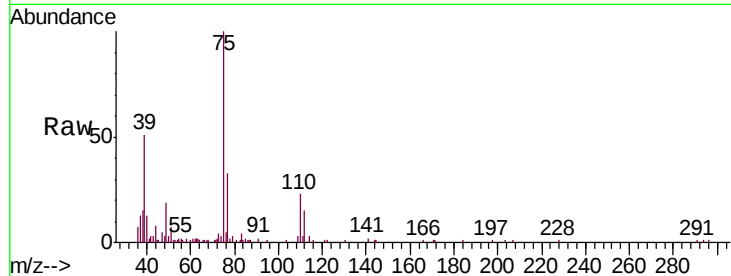


#39

cis-1,3-Dichloropropene
 Concen: 0.462 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

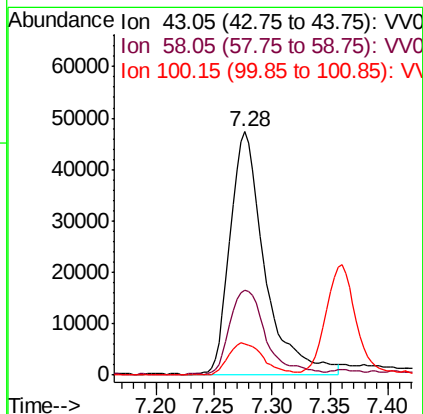
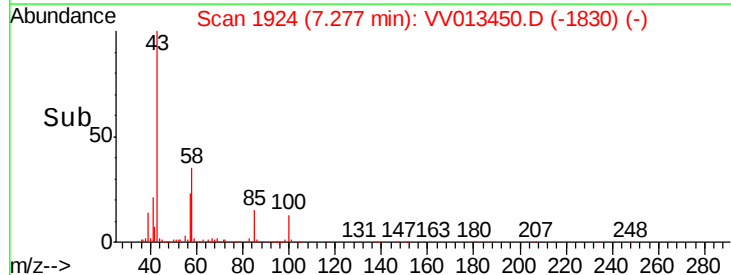
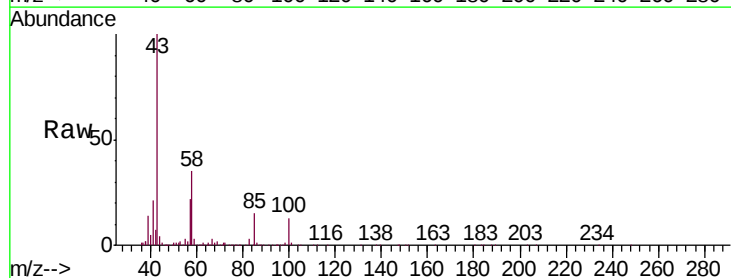
Tgt Ion: 75 Resp: 21784
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.7 42.1

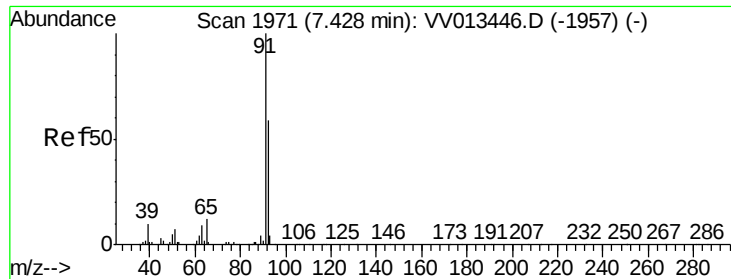


#40

4-Methyl-2-pentanone
 Concen: 4.962 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 43 Resp: 98515
 Ion Ratio Lower Upper
 43 100
 58 35.6 30.9 46.3
 100 13.5 11.7 17.5





#42

Toluene

Concen: 0.479 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

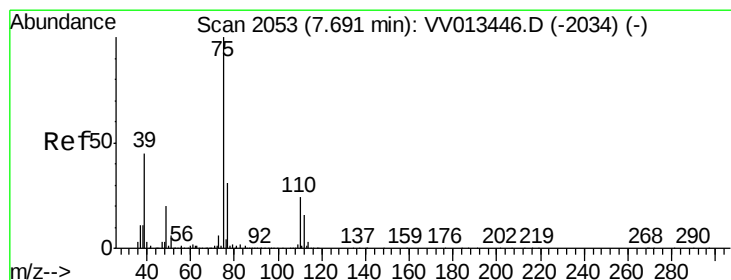
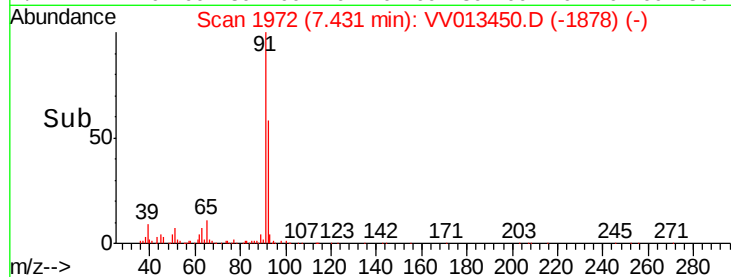
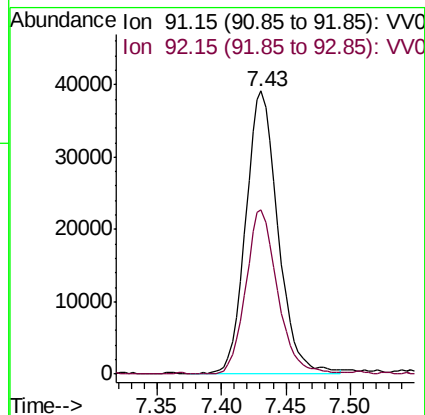
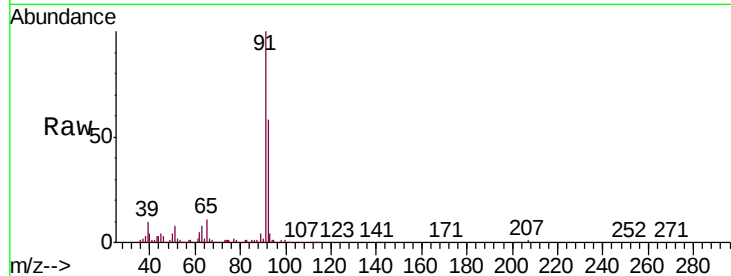
VSTD0.533

Tgt Ion: 91 Resp: 68239

Ion Ratio Lower Upper

91 100

92 57.9 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 0.454 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013450.D

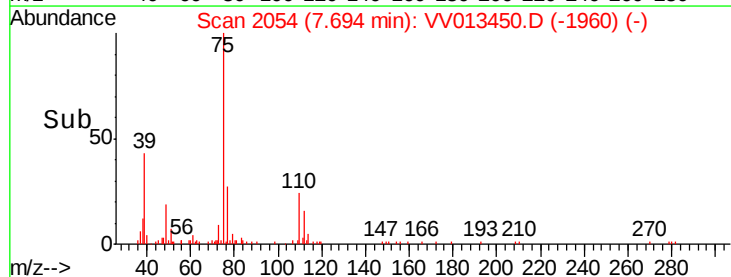
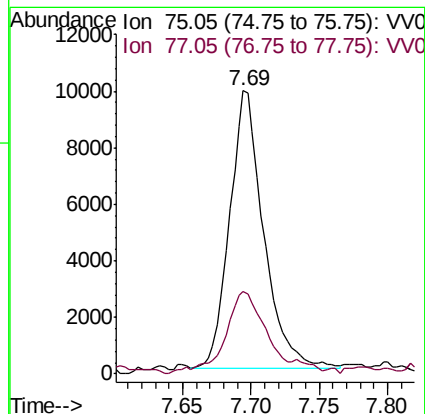
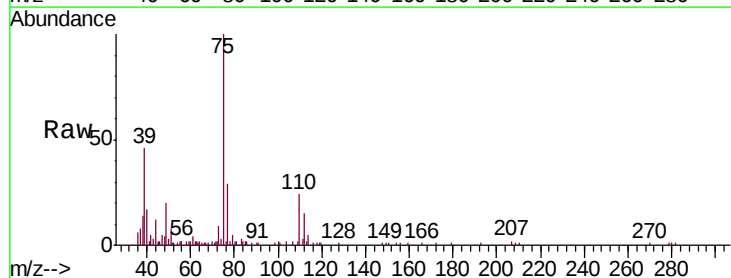
Acq: 31 Oct 2019 16:21

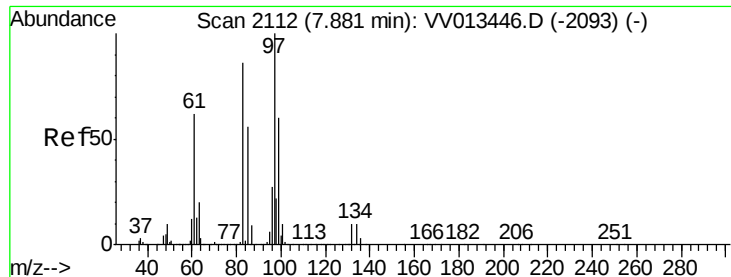
Tgt Ion: 75 Resp: 17021

Ion Ratio Lower Upper

75 100

77 29.2 21.9 40.7

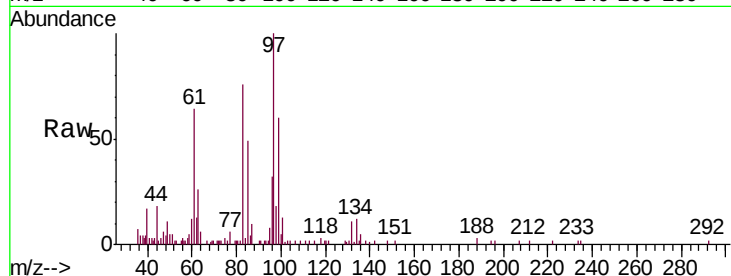




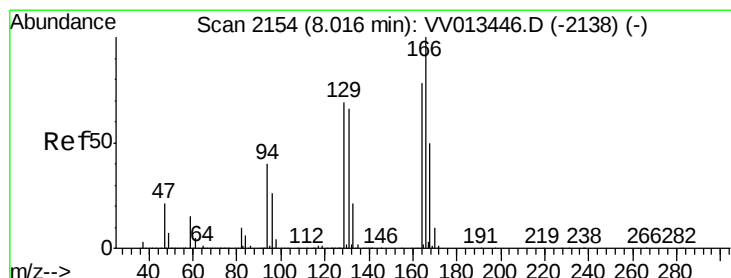
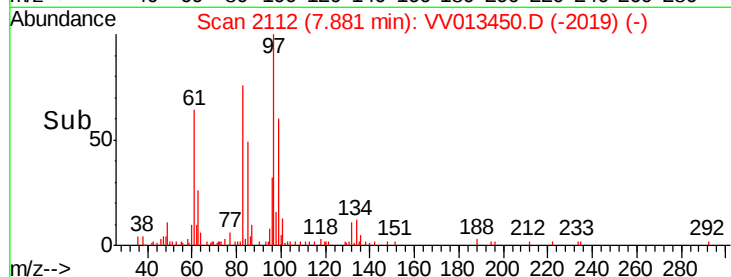
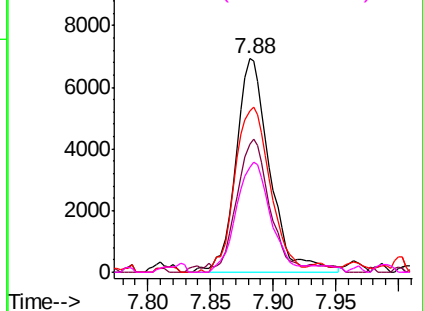
#45
 1,1,2-Trichloroethane
 Concen: 0.556 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion:	97	Resp:	12939
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.3	78.5
83	75.8	60.0	111.4
85	49.3	38.9	72.2

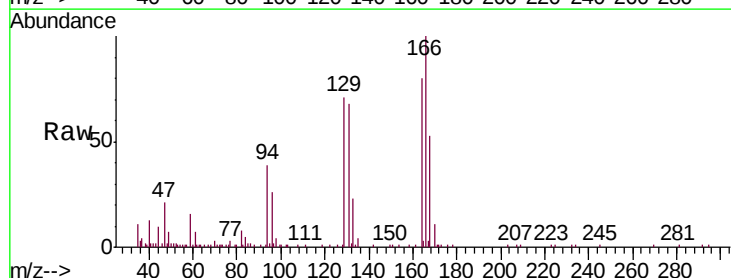


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

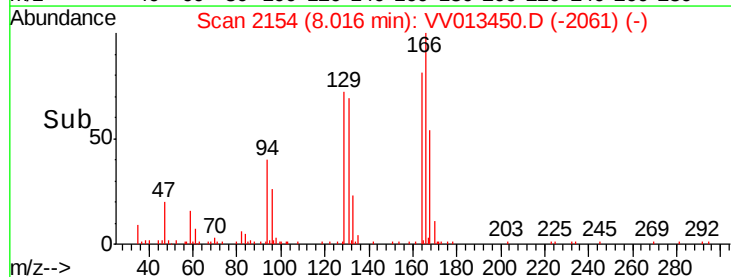
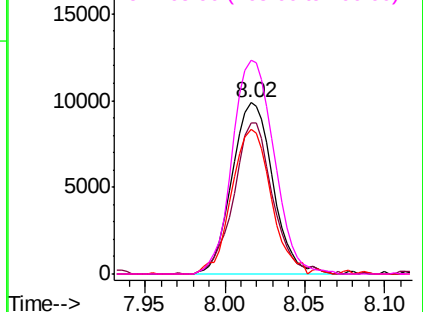


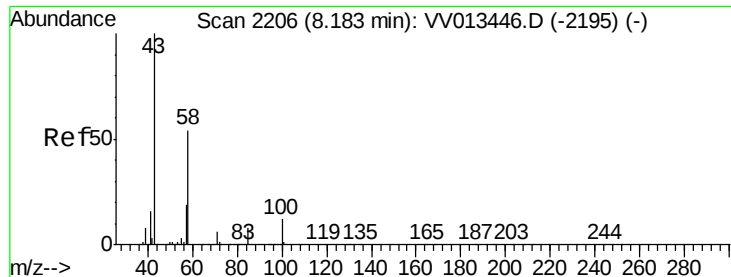
#47
 Tetrachloroethene
 Concen: 0.539 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion:	164	Resp:	17179
Ion	Ratio	Lower	Upper
164	100		
129	88.5	61.7	114.5
131	84.7	59.4	110.2
166	124.9	89.9	166.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

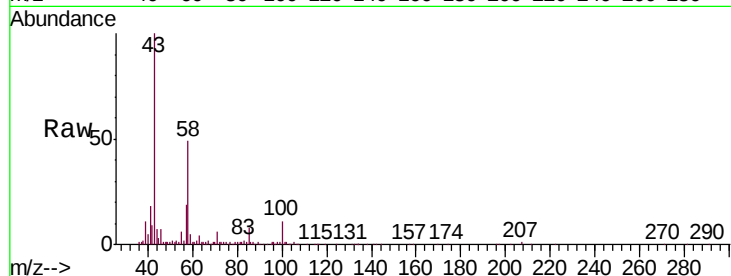




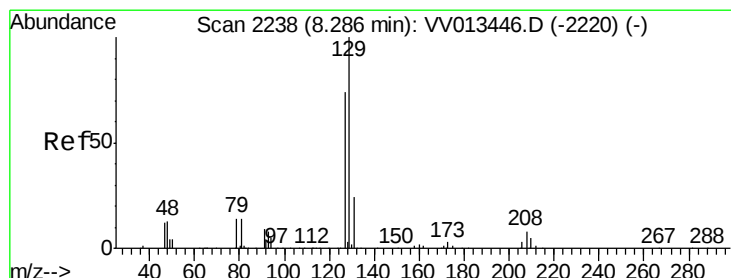
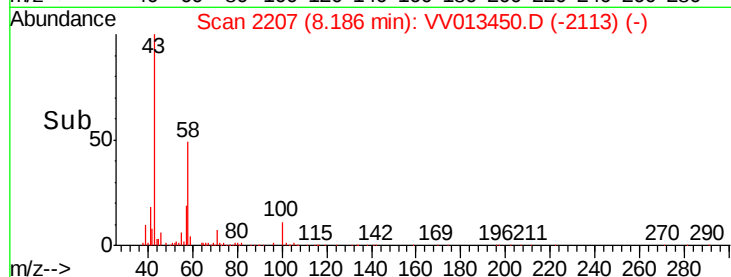
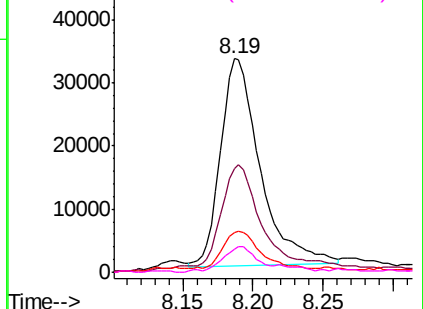
#48
2-Hexanone
Concen: 4.530 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion:	43	Resp:	64714
Ion	Ratio	Lower	Upper
43	100		
58	57.5	42.2	63.4
57	19.5	14.9	22.3
100	12.8	9.0	13.6

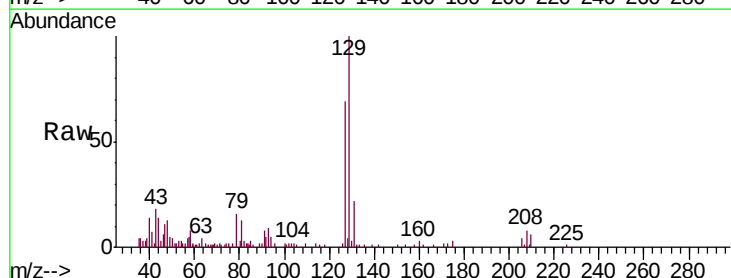


Abundance Ion 43.05 (42.75 to 43.75): VV013446.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013446.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013446.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013446.D (-2195) (-)

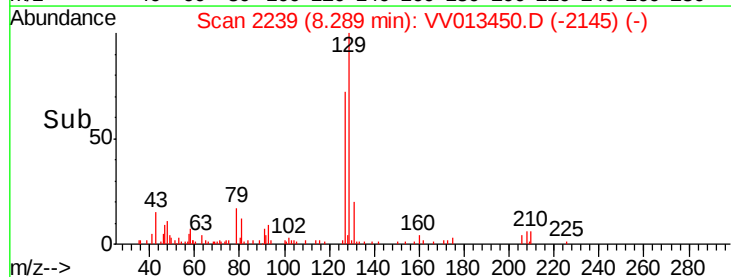
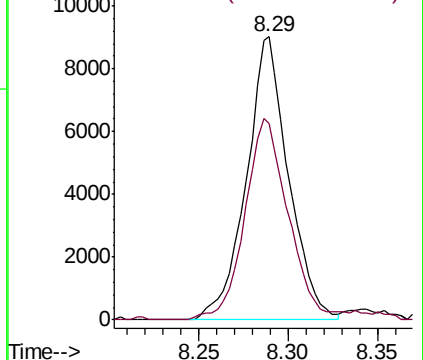


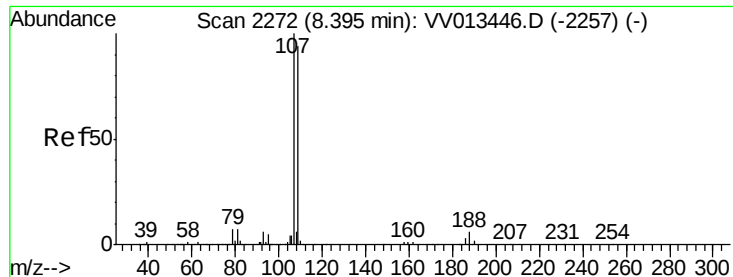
#49
Dibromochloromethane
Concen: 0.515 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

Tgt Ion:	129	Resp:	14911
Ion	Ratio	Lower	Upper
129	100		
127	69.3	52.1	96.7



Abundance Ion 128.95 (128.65 to 129.65): VV013446.D (-2220) (-)
Ion 126.90 (126.60 to 127.60): VV013446.D (-2220) (-)

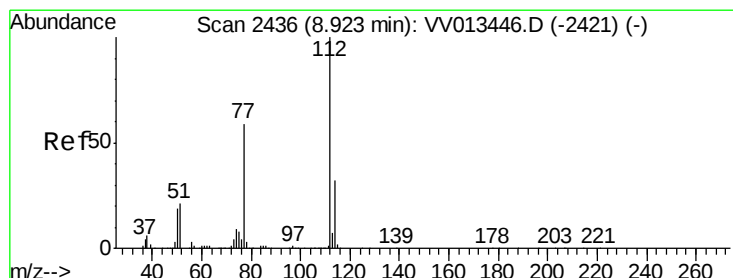
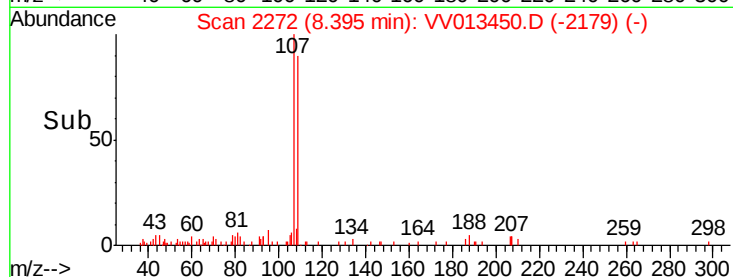
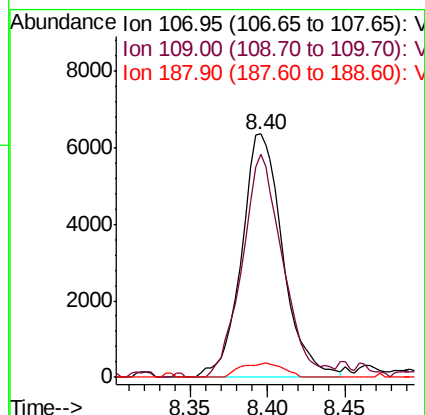
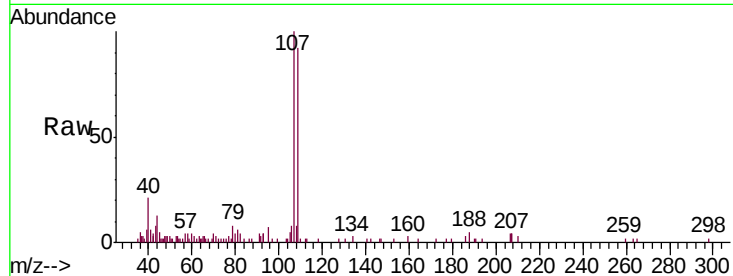




#50
1,2-Dibromoethane
Concen: 0.550 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

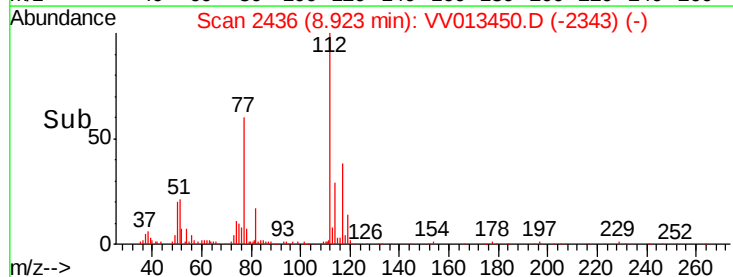
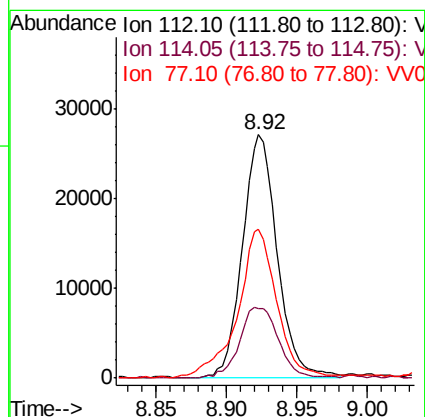
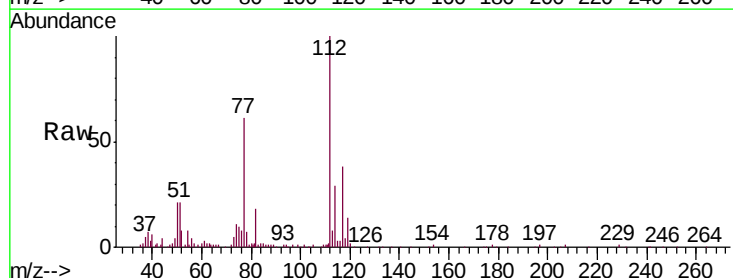
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

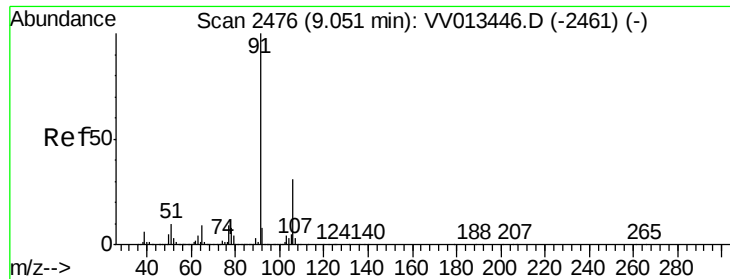
Tgt Ion:107 Resp: 11799
Ion Ratio Lower Upper
107 100
109 91.7 65.5 121.7
188 5.2 4.5 6.7



#51
Chlorobenzene
Concen: 0.510 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

Tgt Ion:112 Resp: 47098
Ion Ratio Lower Upper
112 100
114 28.6 22.5 41.7
77 61.1 47.3 70.9





#52

Ethylbenzene

Concen: 0.447 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

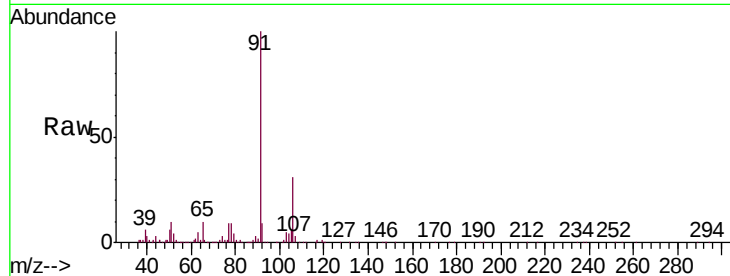
VSTD0.533

Tgt Ion: 91 Resp: 67828

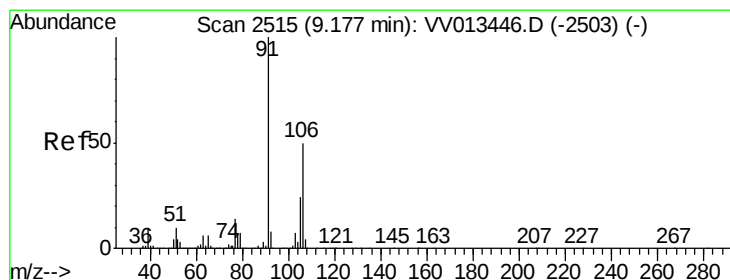
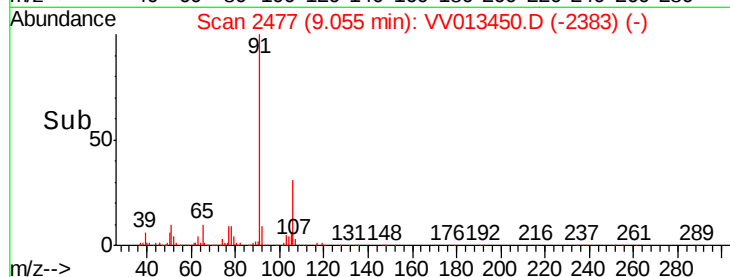
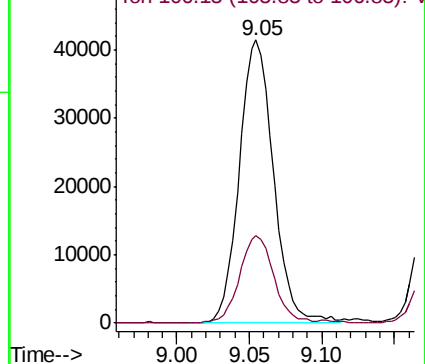
Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV013446.D (-2461) (-)



#53

m,p-xylene

Concen: 0.475 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013450.D

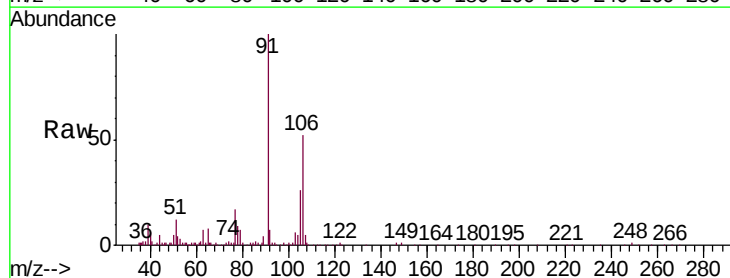
Acq: 31 Oct 2019 16:21

Tgt Ion: 106 Resp: 26741

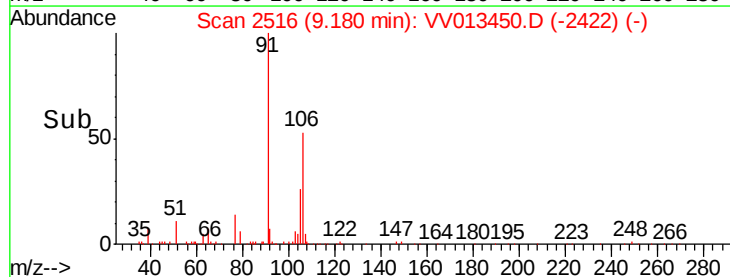
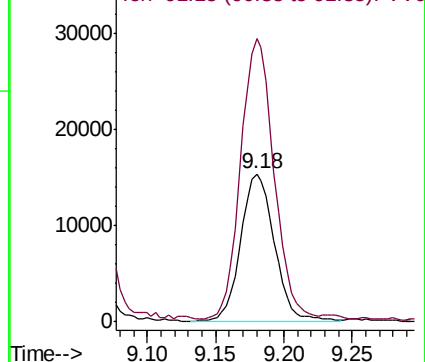
Ion Ratio Lower Upper

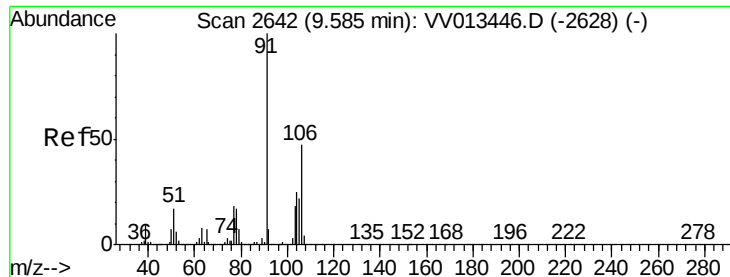
106 100

91 191.6 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VV013446.D (-2503) (-)

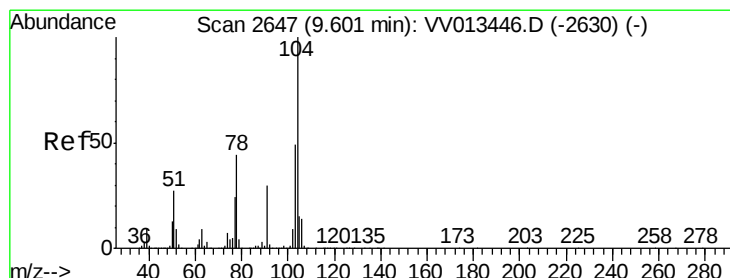
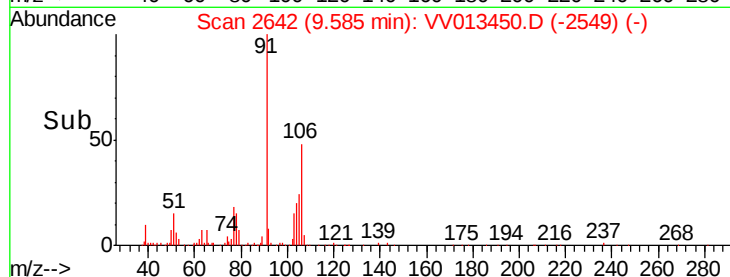
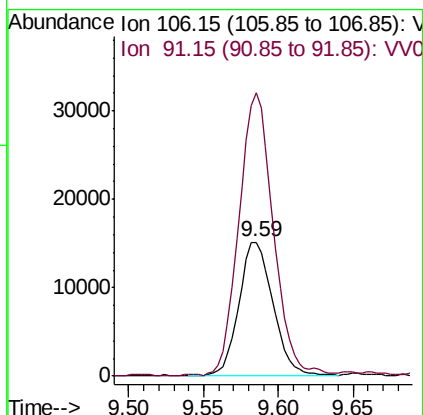
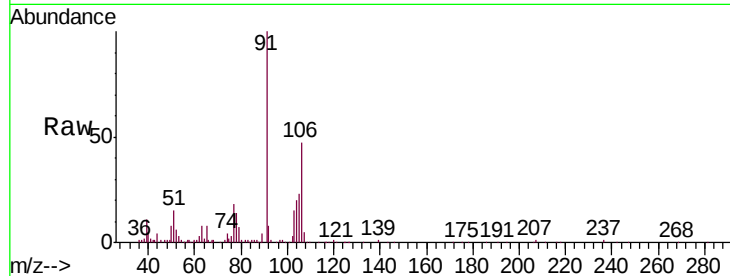




#54
o-xylene
Concen: 0.443 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

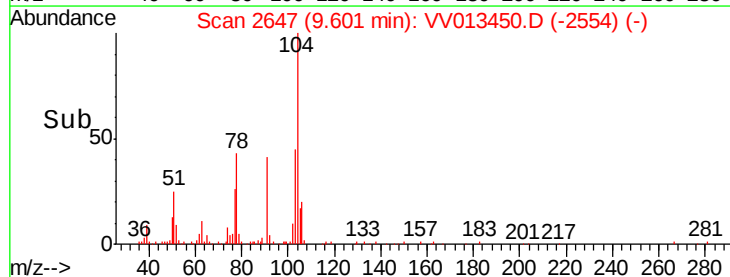
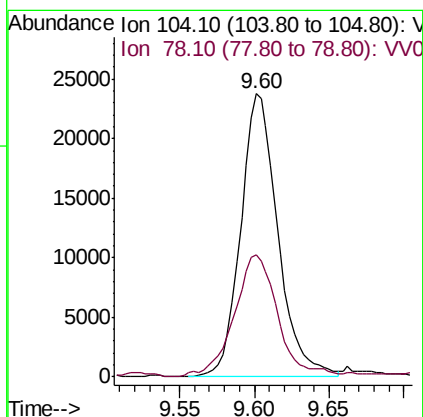
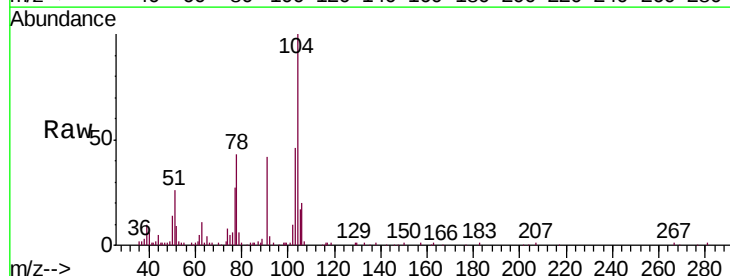
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

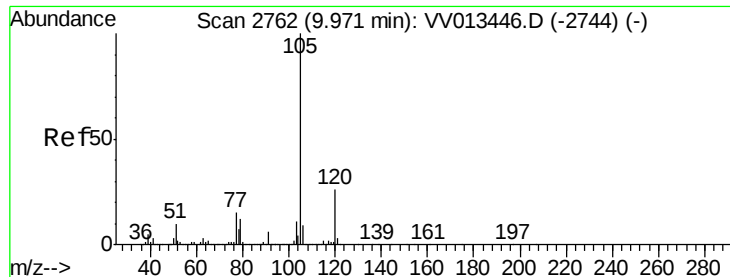
Tgt Ion:106 Resp: 24251
Ion Ratio Lower Upper
106 100
91 211.6 148.3 275.5



#55
Styrene
Concen: 0.448 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013450.D
Acq: 31 Oct 2019 16:21

Tgt Ion:104 Resp: 41088
Ion Ratio Lower Upper
104 100
78 43.0 30.6 56.8





#56

Isopropylbenzene

Concen: 0.425 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

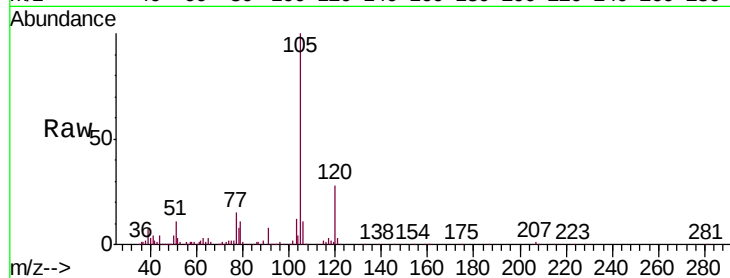
Tgt Ion:105 Resp: 62351

Ion Ratio Lower Upper

105 100

120 27.8 21.1 31.7

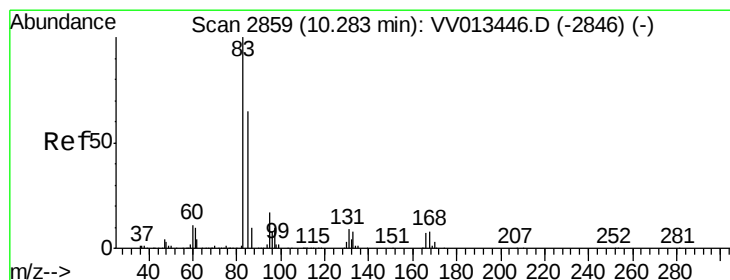
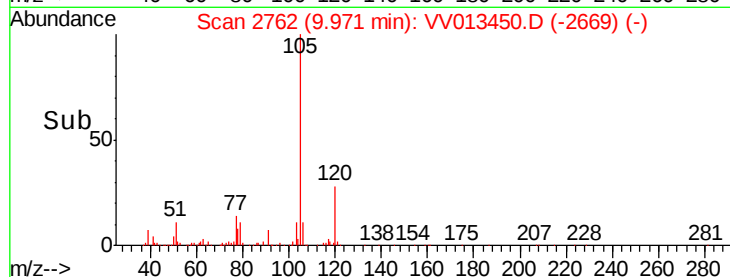
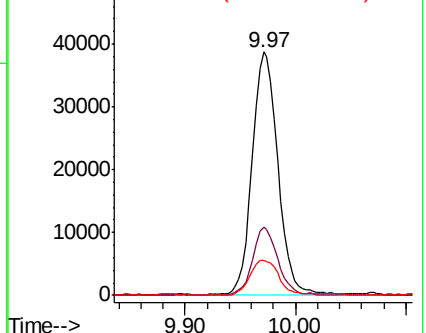
77 16.3 12.2 18.4



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: 0.579 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

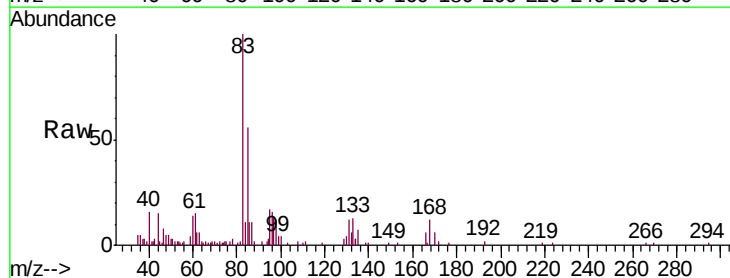
Tgt Ion: 83 Resp: 14607

Ion Ratio Lower Upper

83 100

85 56.5 45.8 85.0

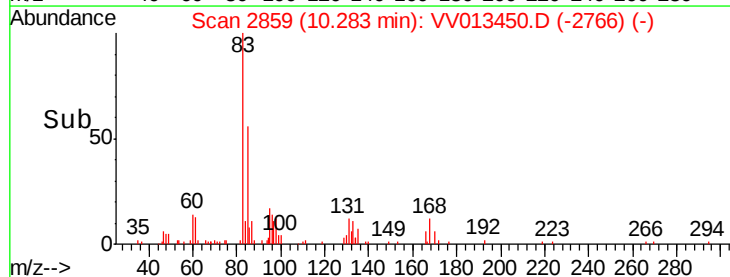
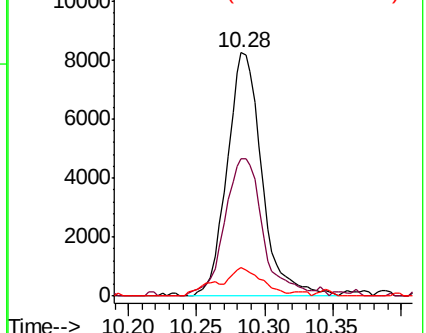
131 11.6 7.6 11.4#

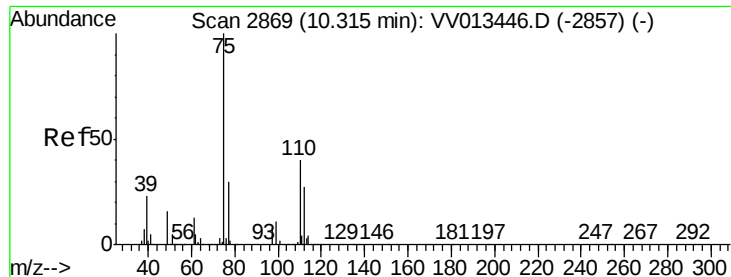


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

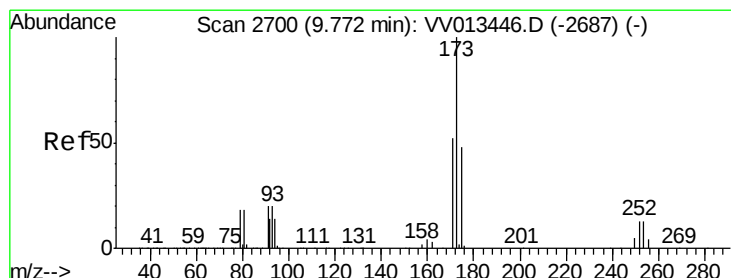
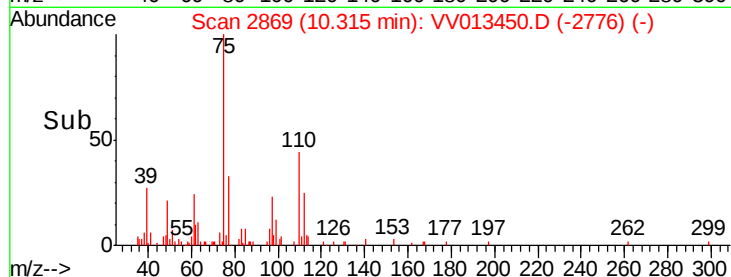
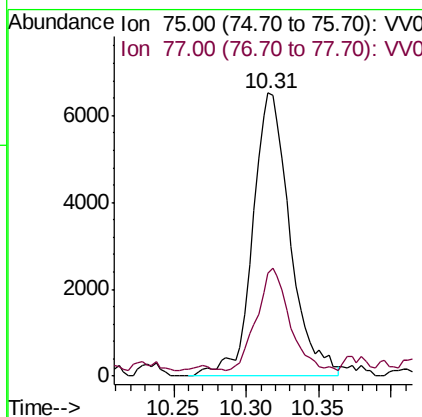
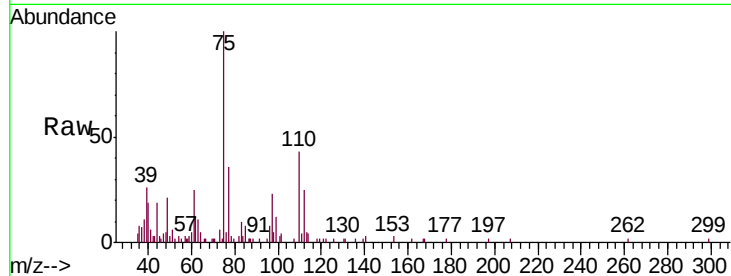




#59
 1,2,3-Trichloropropane
 Concen: 0.569 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

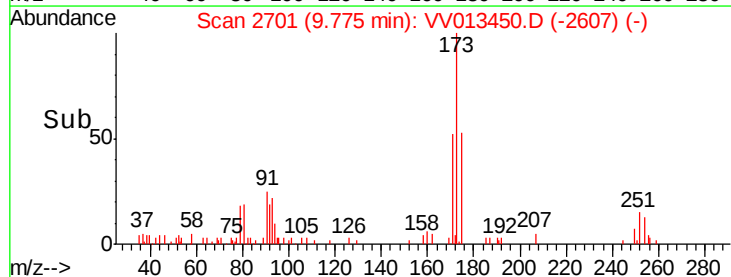
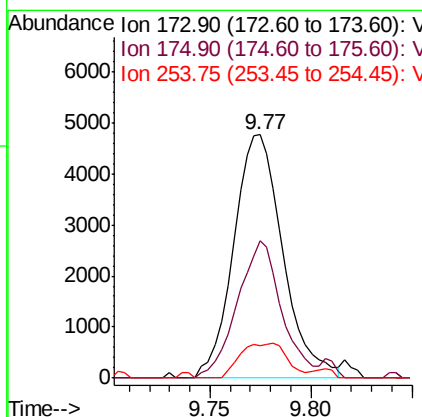
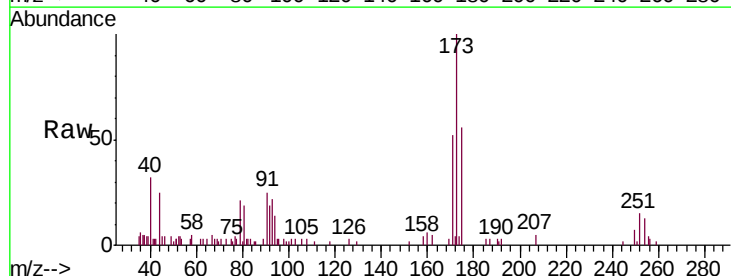
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

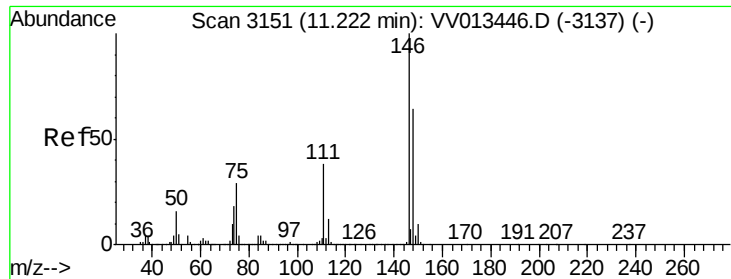
Tgt Ion: 75 Resp: 11704
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.4 36.6



#61
 Bromoform
 Concen: 0.491 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 173 Resp: 8140
 Ion Ratio Lower Upper
 173 100
 175 50.9 38.6 58.0
 254 13.6 10.1 15.1

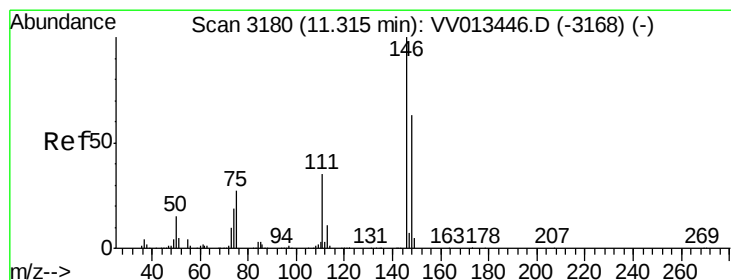
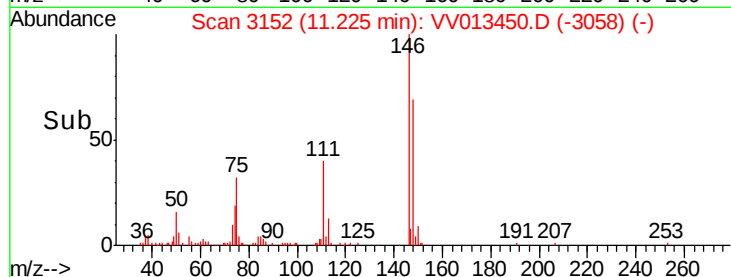
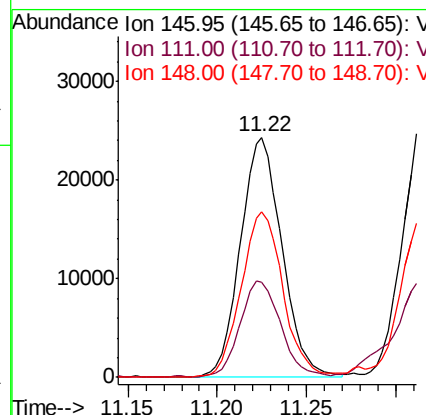
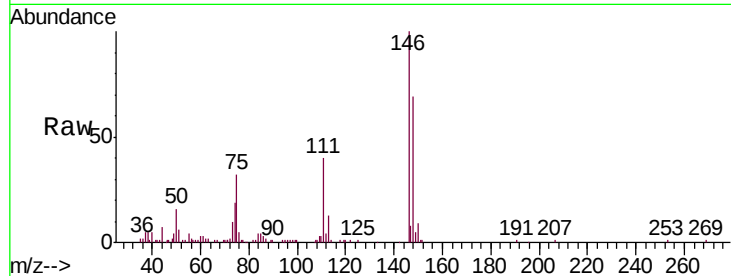




#62
 1,3-Dichlorobenzene
 Concen: 0.531 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

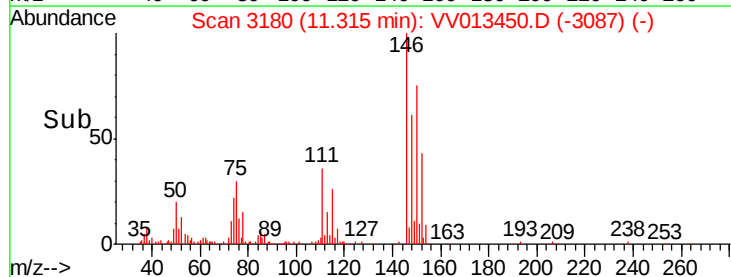
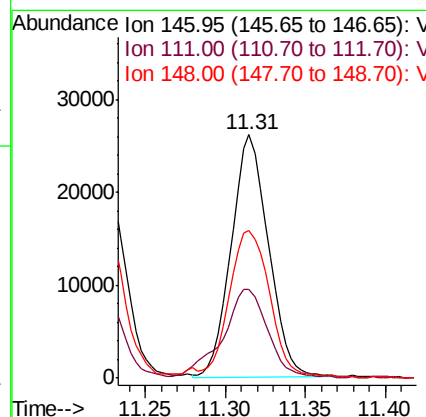
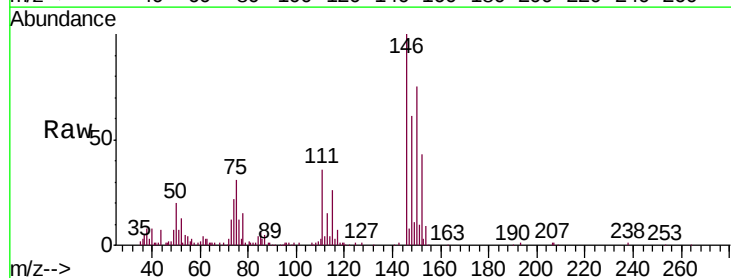
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

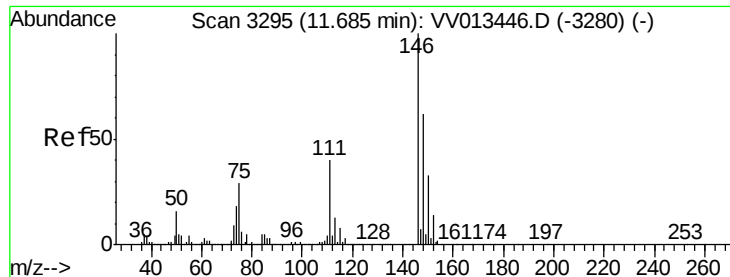
Tgt Ion:146 Resp: 39470
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.2 48.8
 148 69.1 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 0.551 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion:146 Resp: 41211
 Ion Ratio Lower Upper
 146 100
 111 36.2 24.7 45.9
 148 60.6 44.2 82.0

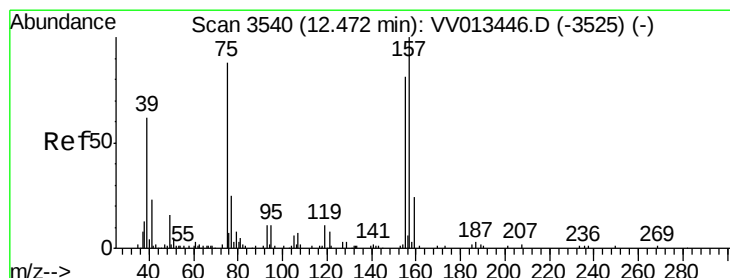
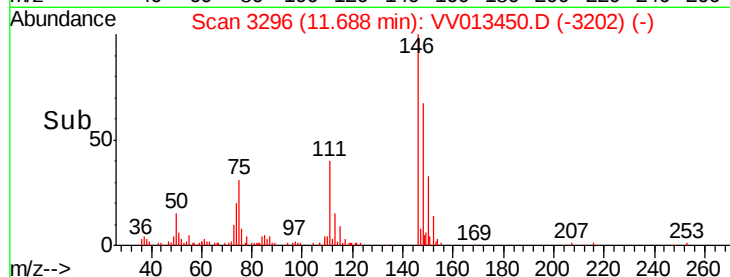
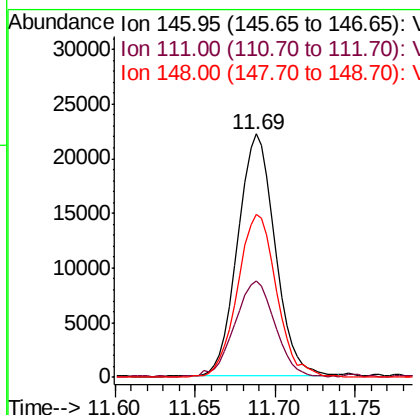
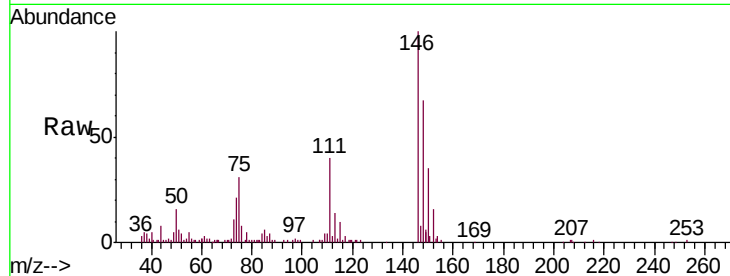




#65
 1,2-Dichlorobenzene
 Concen: 0.510 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

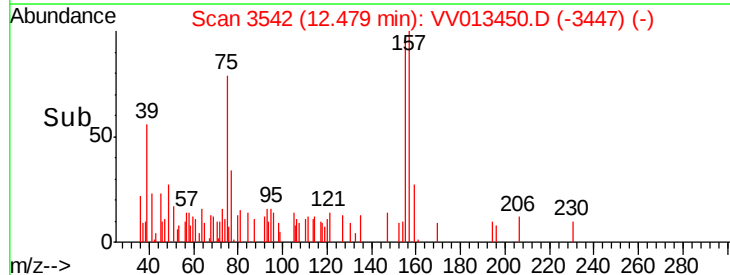
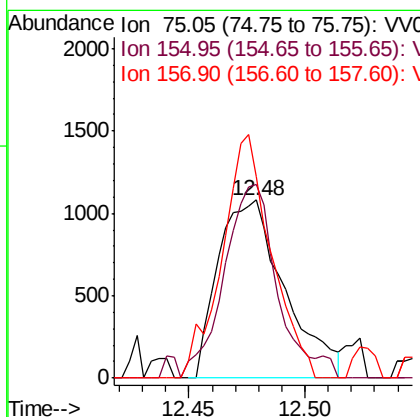
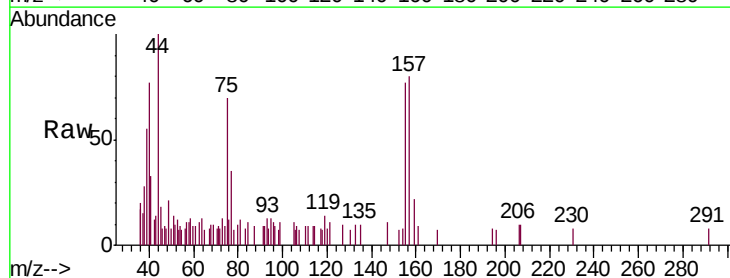
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

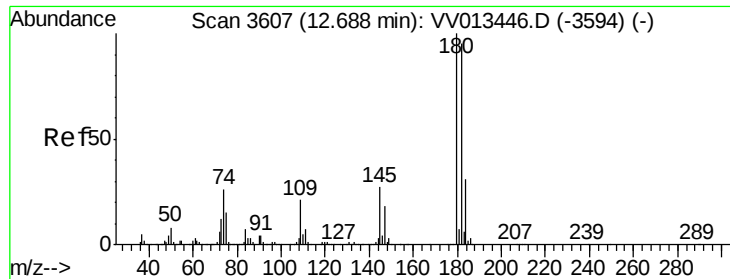
Tgt Ion: 146 Resp: 35320
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.8 47.6
 148 66.8 49.5 74.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.598 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion: 75 Resp: 2156
 Ion Ratio Lower Upper
 75 100
 155 108.9 73.5 110.3
 157 113.1 90.4 135.6

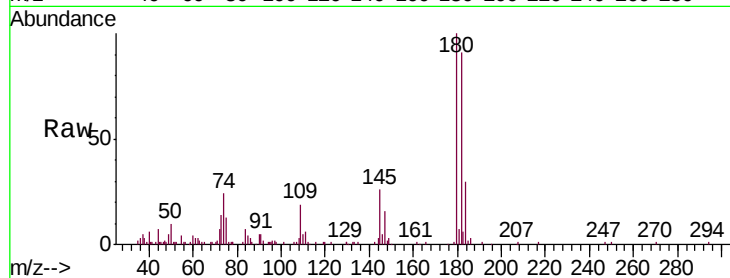




#67
 1,3,5-Trichlorobenzene
 Concen: 0.574 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.1	114.1
184	31.7	24.5	36.7
145	26.0	21.4	32.2



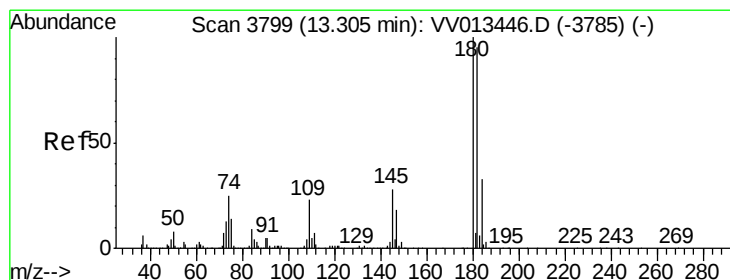
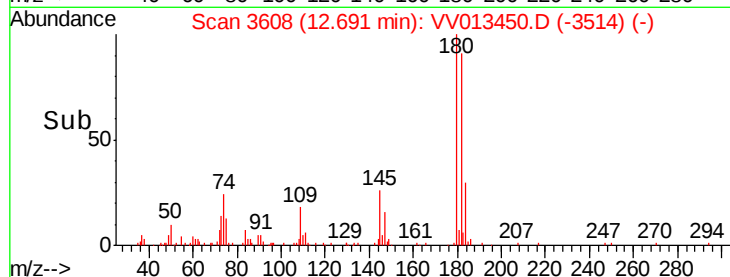
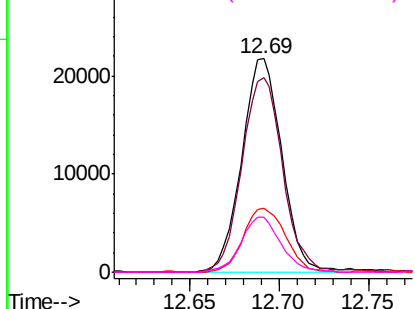
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

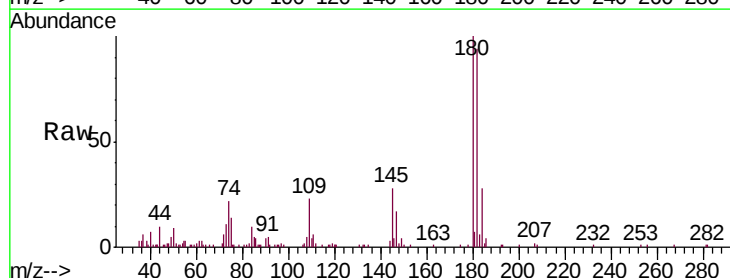
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.625 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013450.D
 Acq: 31 Oct 2019 16:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	28.5	22.1	33.1

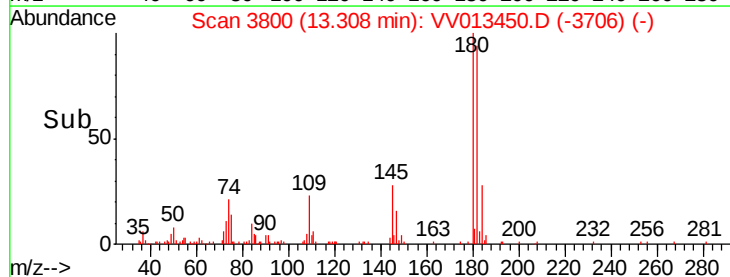
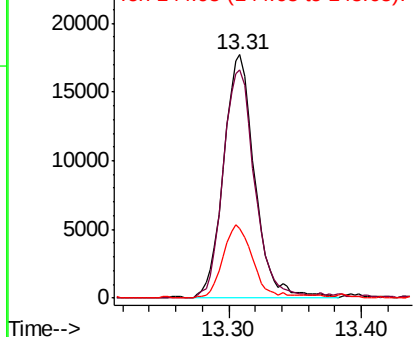


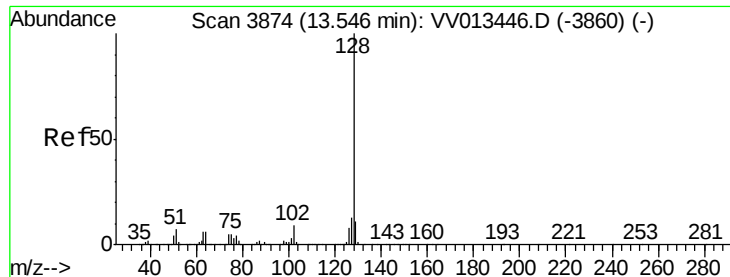
Abundance

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: 0.554 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

Instrument :

MSVOA_V

ClientSampled :

VSTD0.533

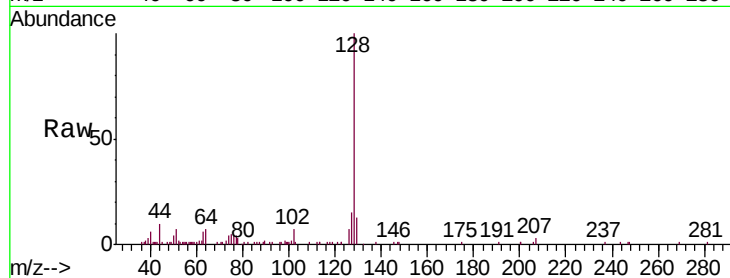
Tgt Ion:128 Resp: 35895

Ion Ratio Lower Upper

128 100

129 12.1 8.4 12.6

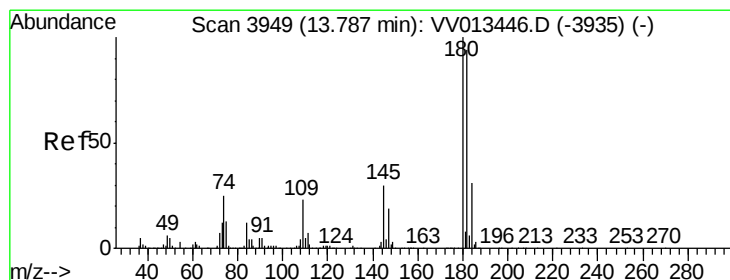
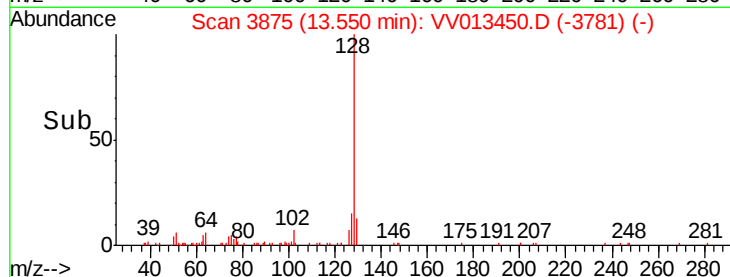
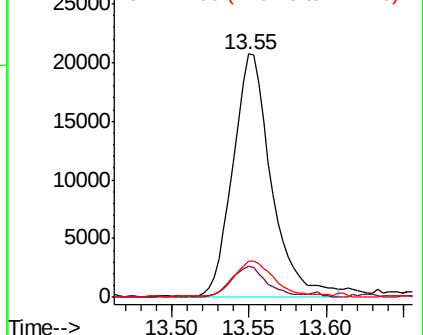
127 16.1 10.7 16.1#



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: 0.599 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013450.D

Acq: 31 Oct 2019 16:21

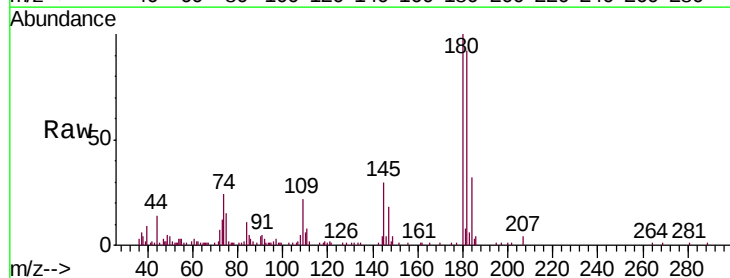
Tgt Ion:180 Resp: 25384

Ion Ratio Lower Upper

180 100

182 89.4 77.4 116.2

145 30.8 24.1 36.1



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

