

Data File : VV010452.D
Acq On : 24 Apr 2019 10:34
Operator : SY/MD
Sample : VSTD0.533
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Quant Time: Apr 25 01:37:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 01:34:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	256653	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	249124	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7269	0.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	4990	0.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12842	0.35	ug/L	0.00
20) 2-Butanone-d5	3.99	46	9390	2.75	ug/L	0.01
24) Chloroform-d	4.40	84	13659	0.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6901	0.44	ug/L	0.00
32) Benzene-d6	5.10	84	26649	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7849	0.43	ug/L	0.00
41) Toluene-d8	7.36	98	24351	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2862	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	9768	3.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5862	0.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11049	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9253	0.384 ug/L	97
3) Chloromethane	1.25	50	8279	0.410 ug/L	98
5) Vinyl chloride	1.32	62	7830	0.356 ug/L	# 75
6) Bromomethane	1.54	94	5865	0.374 ug/L	98
8) Chloroethane	1.60	64	4458	0.304 ug/L	90
9) Trichlorofluoromethane	1.77	101	14583	0.334 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7516	0.325 ug/L	97
12) 1,1-Dichloroethene	2.14	96	7363	0.379 ug/L	91
13) Acetone	2.23	43	4057	1.525 ug/L	80
14) Carbon disulfide	2.32	76	20345	0.393 ug/L	99
15) Methyl Acetate	2.47	43	3022	0.485 ug/L	90
16) Methylene chloride	2.54	84	10168	0.470 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	17936	0.385 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	8211	0.382 ug/L	92
19) 1,1-Dichloroethane	3.22	63	12750	0.346 ug/L	95
21) 2-Butanone	4.07	43	8518	2.447 ug/L	89
22) cis-1,2-Dichloroethene	3.96	96	8534	0.461 ug/L	91
23) Bromochloromethane	4.30	128	3755	0.453 ug/L	91
25) Chloroform	4.43	83	14507	0.419 ug/L	95
27) 1,2-Dichloroethane	5.19	62	9184	0.477 ug/L	# 94
29) 1,1,1-Trichloroethane	4.66	97	13130	0.448 ug/L	98
30) Cyclohexane	4.71	56	10377	0.421 ug/L	93
31) Carbon tetrachloride	4.87	117	10771	0.391 ug/L	89
33) Benzene	5.14	78	28615	0.423 ug/L	100
34) Trichloroethene	5.96	95	8475	0.430 ug/L	94
35) Methylcyclohexane	6.17	83	10768	0.369 ug/L	97
37) 1,2-Dichloropropane	6.22	63	7293	0.466 ug/L	98
38) Bromodichloromethane	6.56	83	8639	0.412 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	9509	0.433 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	41303	4.816 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	32051	0.425	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	7308	0.429	ug/L	91
45) 1,1,2-Trichloroethane	7.89	97	5421	0.438	ug/L	93
47) Tetrachloroethene	8.02	164	7779	0.453	ug/L	87
48) 2-Hexanone	8.20	43	25654	4.447	ug/L	97
49) Dibromochloromethane	8.29	129	6429	0.432	ug/L	87
50) 1,2-Dibromoethane	8.40	107	4998	0.444	ug/L #	96
51) Chlorobenzene	8.92	112	23286	0.456	ug/L	99
52) Ethylbenzene	9.06	91	33468	0.410	ug/L	96
53) m,p-xylene	9.18	106	12076	0.379	ug/L	88
54) o-xylene	9.59	106	12316	0.400	ug/L	94
55) Styrene	9.60	104	19834	0.399	ug/L	96
56) Isopropylbenzene	9.97	105	31649	0.386	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	5617	0.417	ug/L #	85
59) 1,2,3-Trichloropropane	10.32	75	4303	0.447	ug/L	97
61) Bromoform	9.78	173	3033	0.394	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	17651	0.441	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	17177	0.426	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	16161	0.430	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1181	0.661	ug/L #	56
67) 1,3,5-Trichlorobenzene	12.69	180	13197	0.425	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	9547	0.429	ug/L	97
69) Naphthalene	13.56	128	15952	0.591	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	9915	0.490	ug/L	96

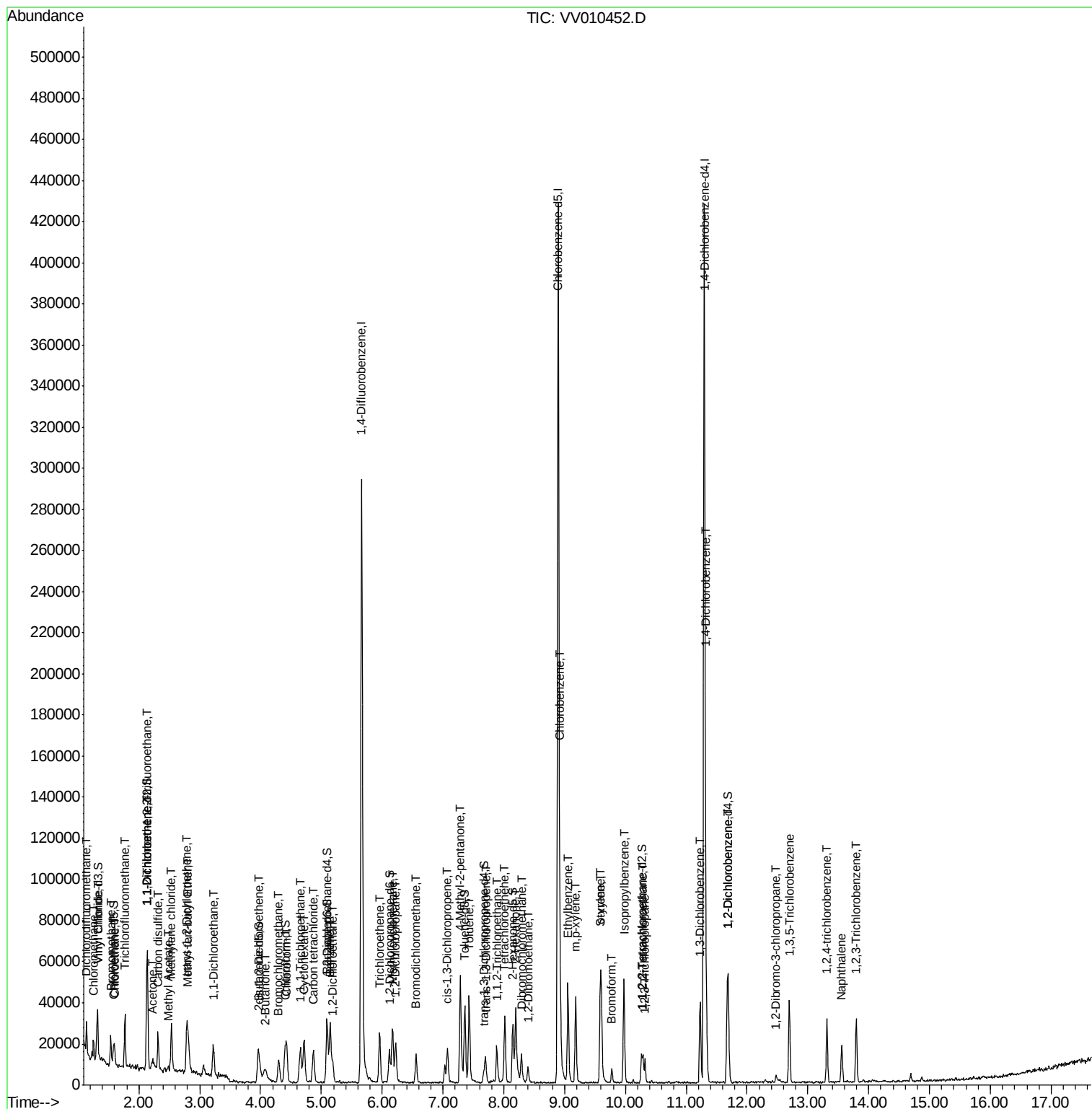
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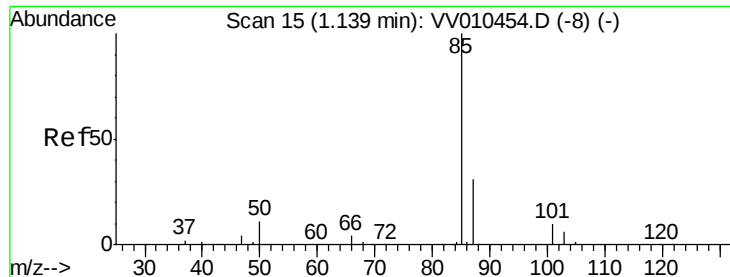
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#2

Dichlorodifluoromethane

Concen: 0.384 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

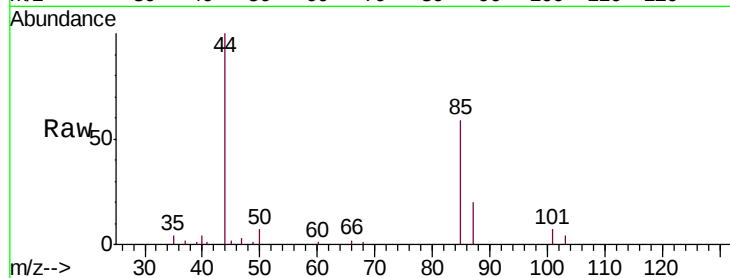
VSTD0.533

Tgt Ion: 85 Resp: 9253

Ion Ratio Lower Upper

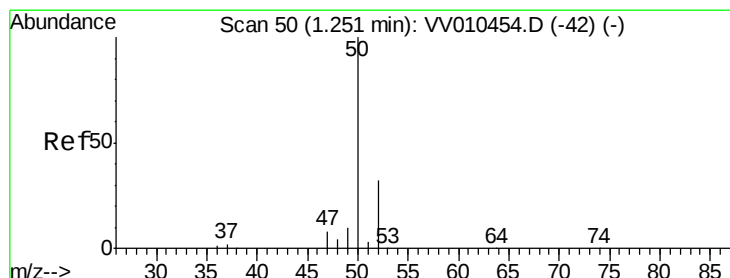
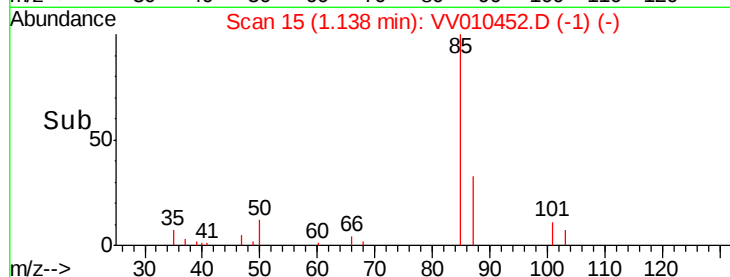
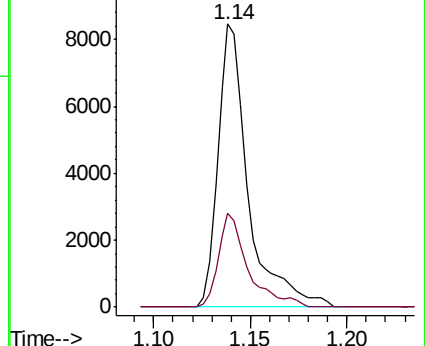
85 100

87 32.5 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.410 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010452.D

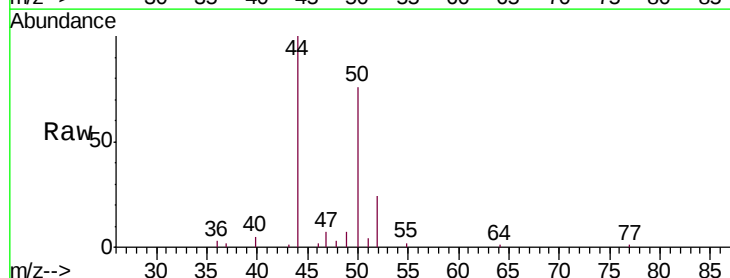
Acq: 24 Apr 2019 10:34

Tgt Ion: 50 Resp: 8279

Ion Ratio Lower Upper

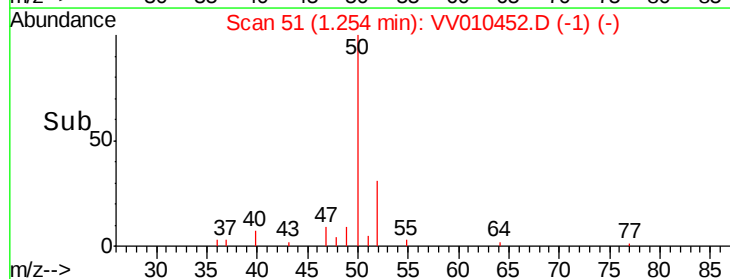
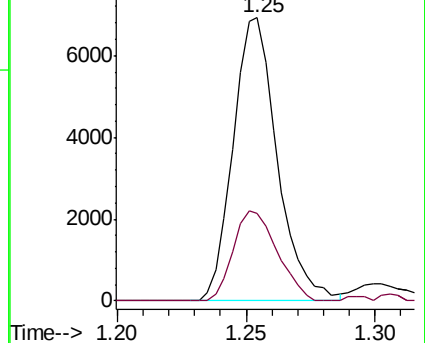
50 100

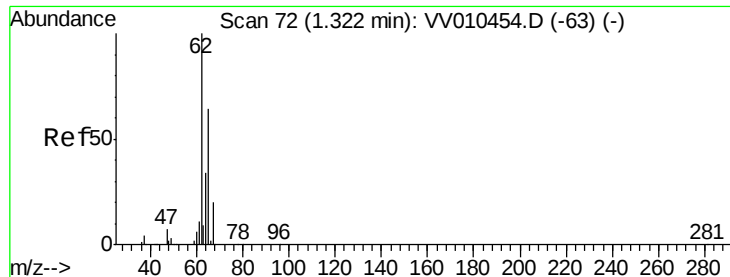
52 31.1 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.356 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

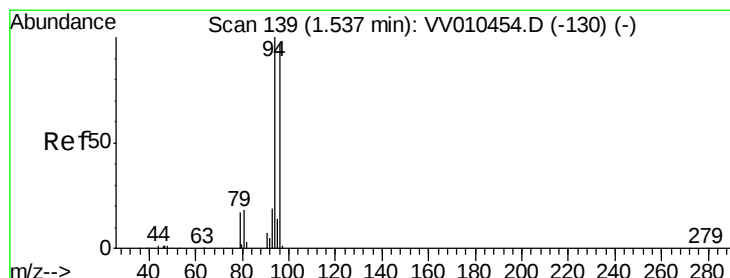
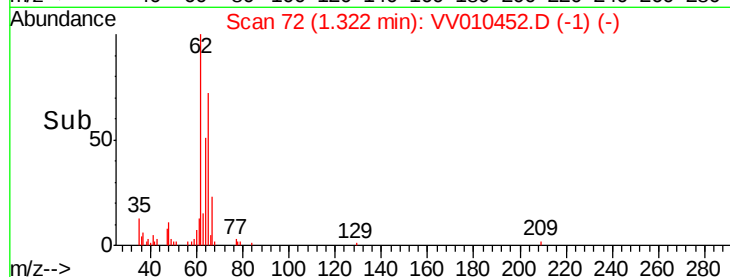
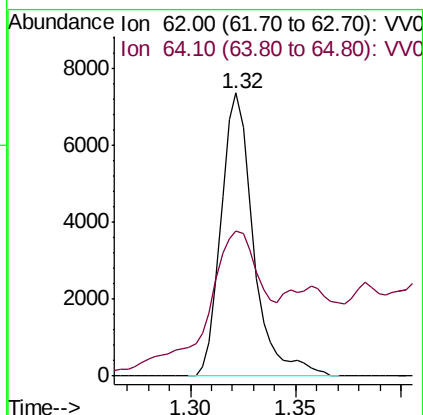
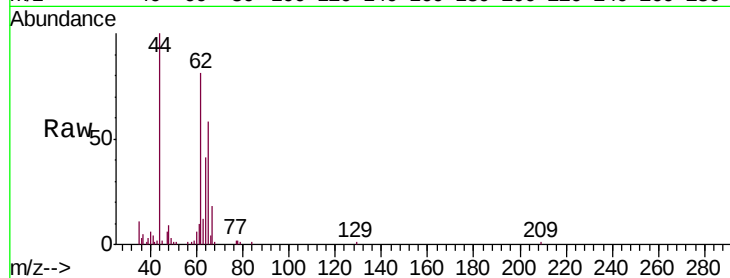
VSTD0.533

Tgt Ion: 62 Resp: 7830

Ion Ratio Lower Upper

62 100

64 51.3 25.4 47.2#



#6

Bromomethane

Concen: 0.374 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV010452.D

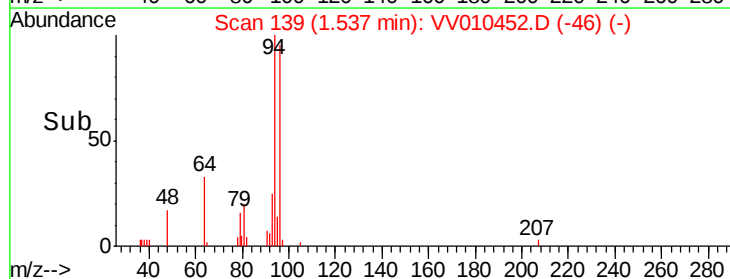
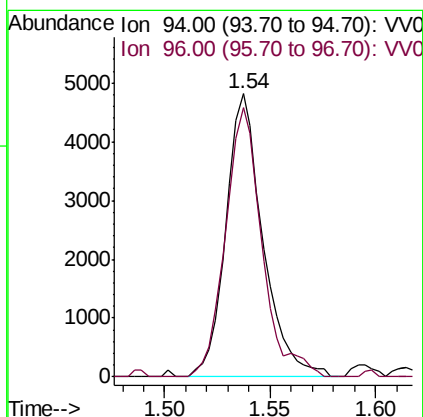
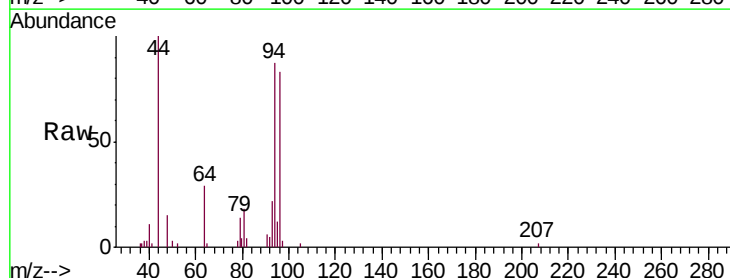
Acq: 24 Apr 2019 10:34

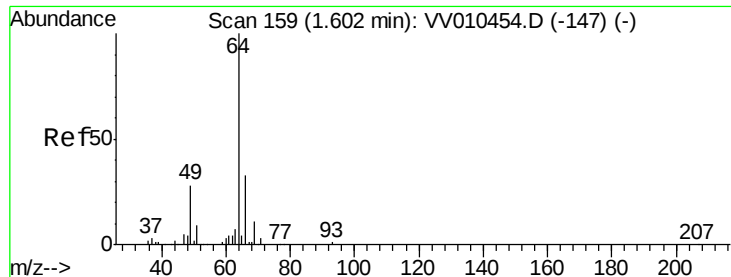
Tgt Ion: 94 Resp: 5865

Ion Ratio Lower Upper

94 100

96 95.0 67.6 125.6





#8

Chloroethane

Concen: 0.304 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

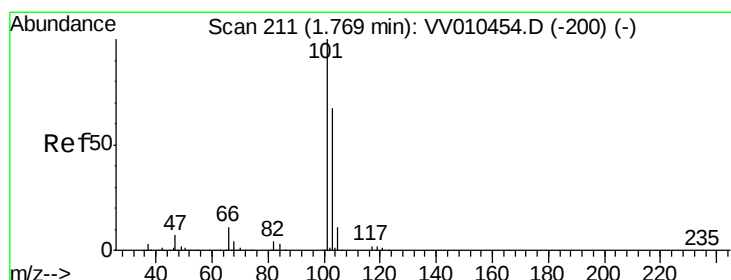
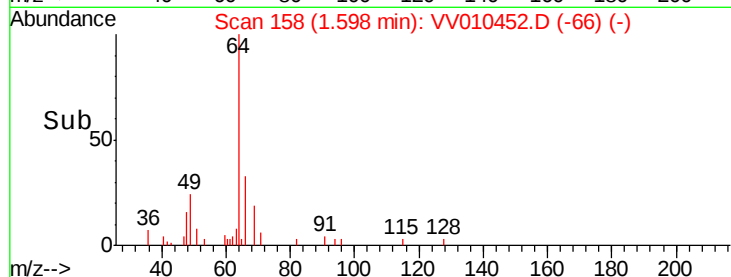
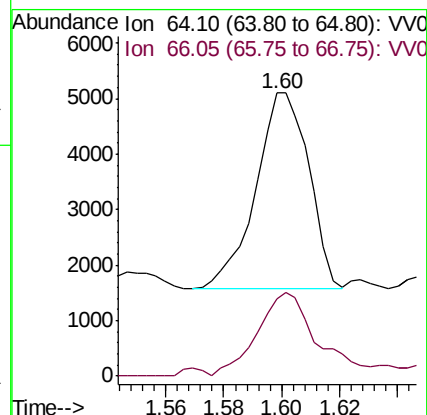
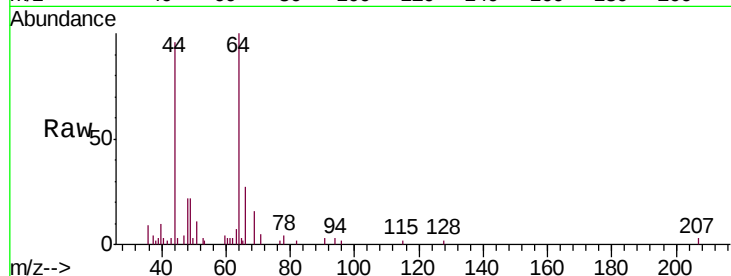
VSTD0.533

Tgt Ion: 64 Resp: 4458

Ion Ratio Lower Upper

64 100

66 26.6 22.5 41.9



#9

Trichlorofluoromethane

Concen: 0.334 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV010452.D

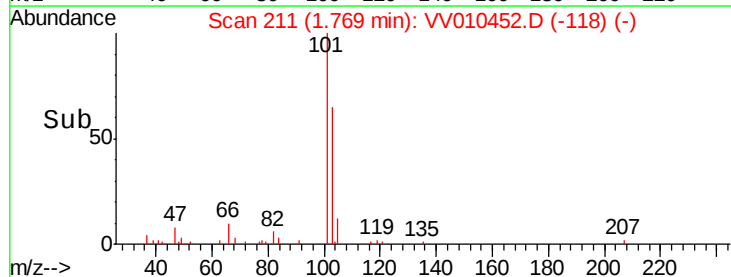
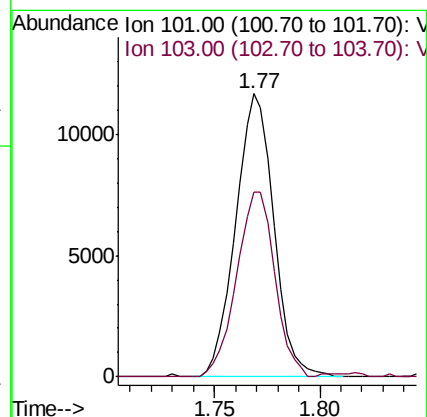
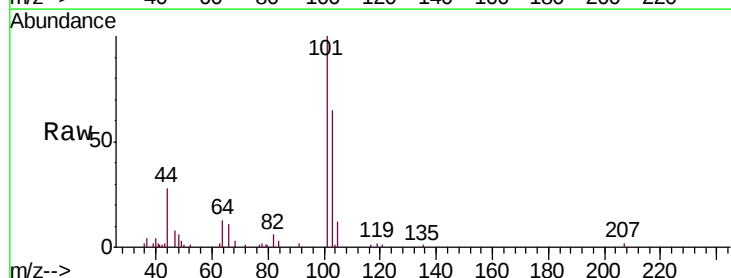
Acq: 24 Apr 2019 10:34

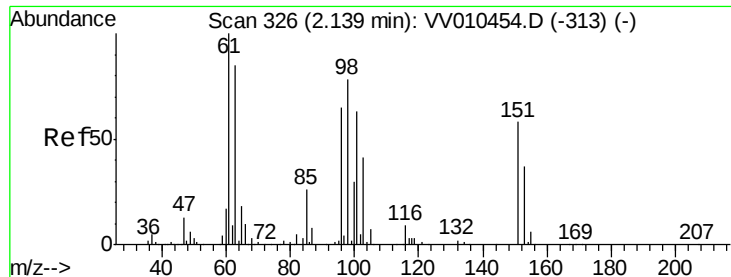
Tgt Ion: 101 Resp: 14583

Ion Ratio Lower Upper

101 100

103 65.6 52.6 78.8





#10

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

Concen: 0.325 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

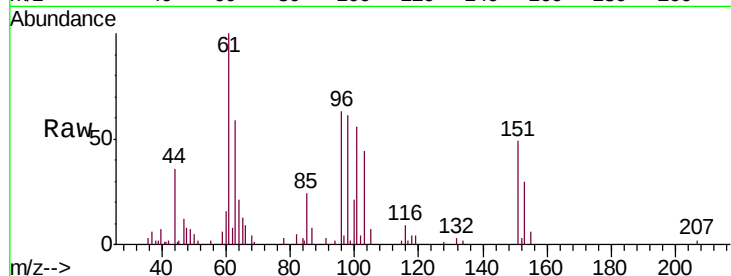
Tgt Ion: 101 Resp: 7516

Ion Ratio Lower Upper

101 100

85 47.3 33.8 50.8

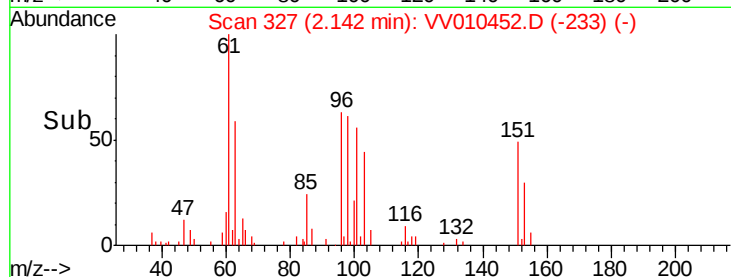
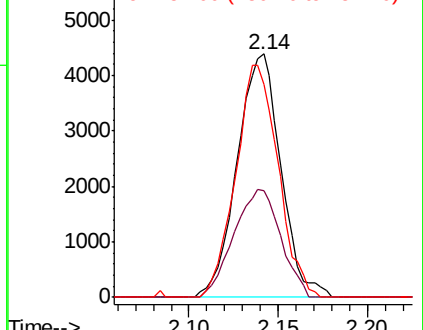
151 92.7 73.8 110.6



Abundance Ion 101.00 (100.70 to 101.70): VV010452.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV010452.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV010452.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 0.379 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

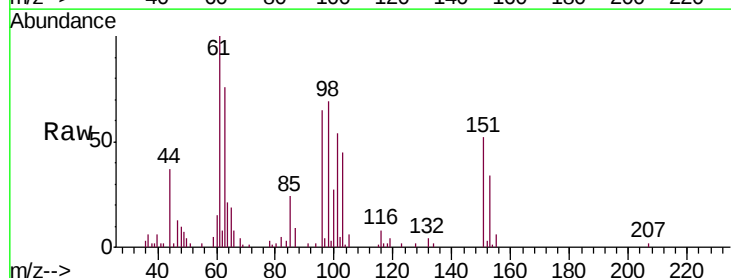
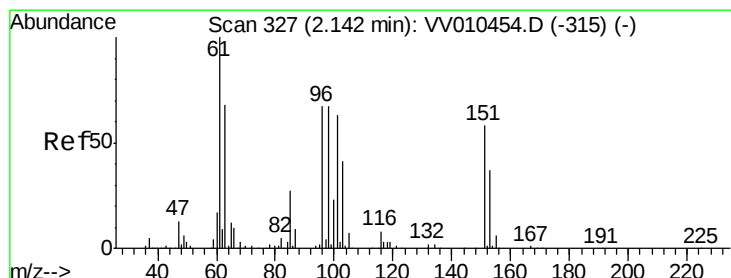
Tgt Ion: 96 Resp: 7363

Ion Ratio Lower Upper

96 100

61 154.7 104.3 193.7

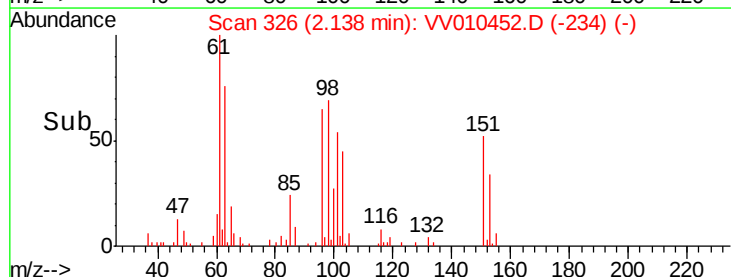
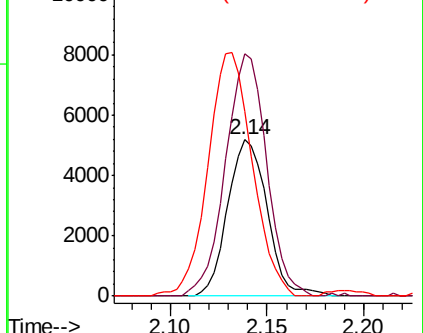
63 117.9 72.1 133.9

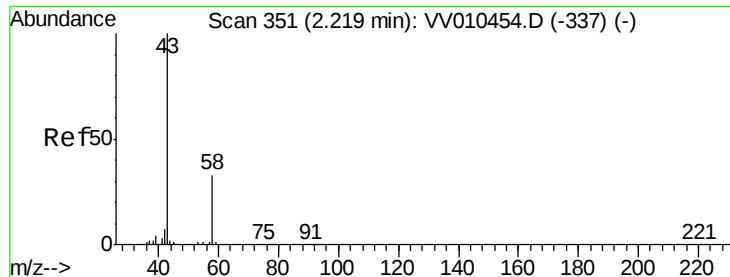


Abundance Ion 96.00 (95.70 to 96.70): VV010452.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV010452.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV010452.D (-234) (-)





#13

Acetone

Concen: 1.525 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.01 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

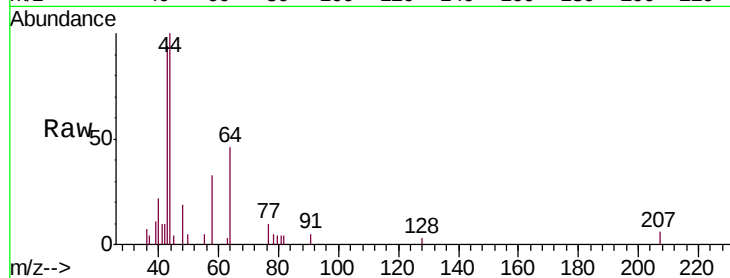
VSTD0.533

Tgt Ion: 43 Resp: 4057

Ion Ratio Lower Upper

43 100

58 40.4 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV010454.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV010454.D (-337) (-)

2.23

3000

2500

2000

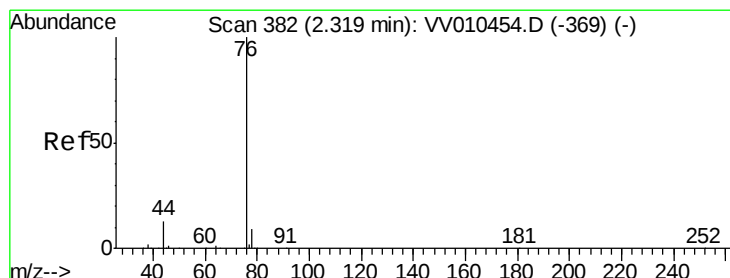
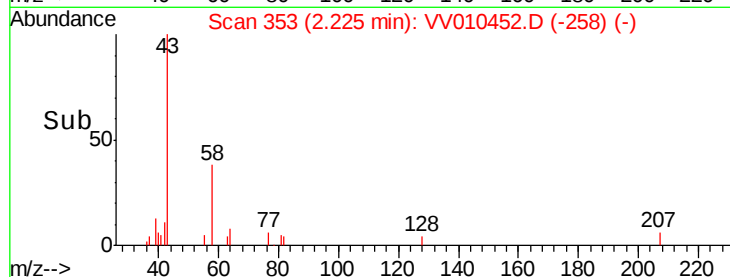
1500

1000

500

0

Time--> 2.16 2.18 2.20 2.22 2.24



#14

Carbon disulfide

Concen: 0.393 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010452.D

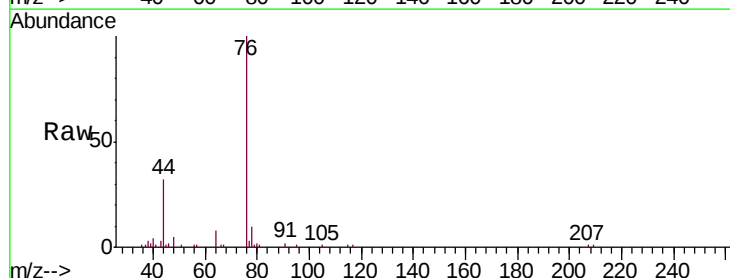
Acq: 24 Apr 2019 10:34

Tgt Ion: 76 Resp: 20345

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV010454.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010454.D (-369) (-)

2.32

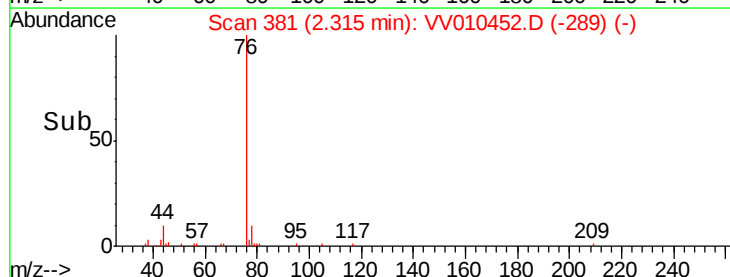
15000

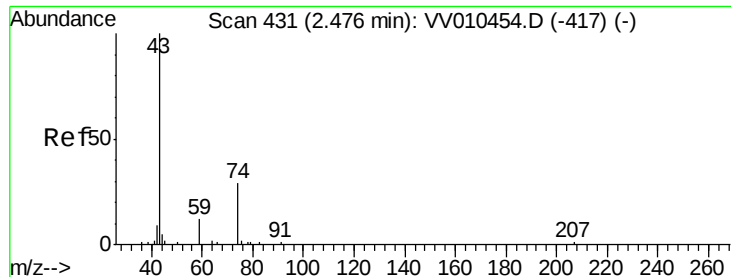
10000

5000

0

Time--> 2.25 2.30 2.35

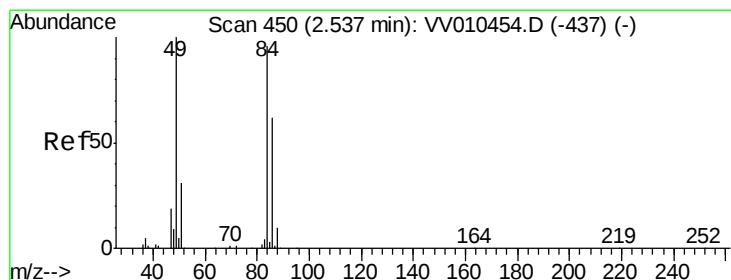
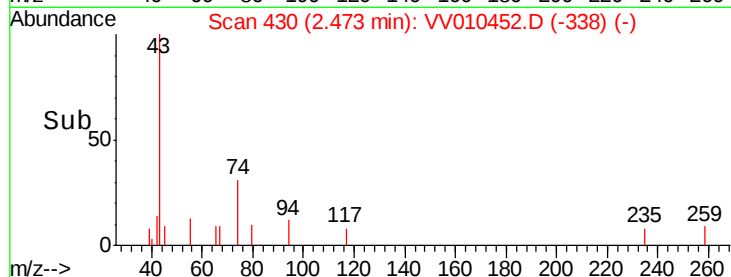
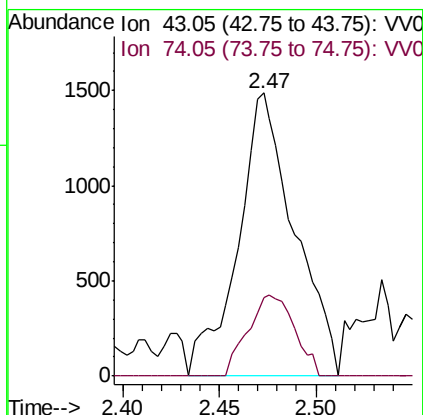
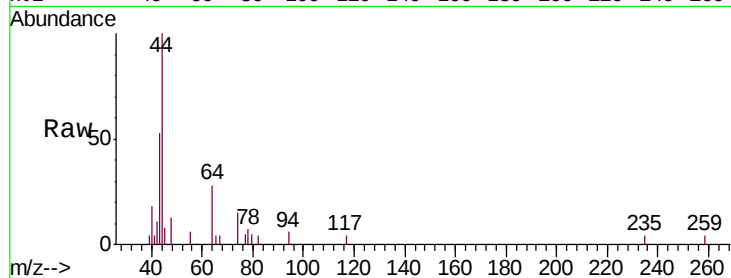




#15
Methyl Acetate
Concen: 0.485 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

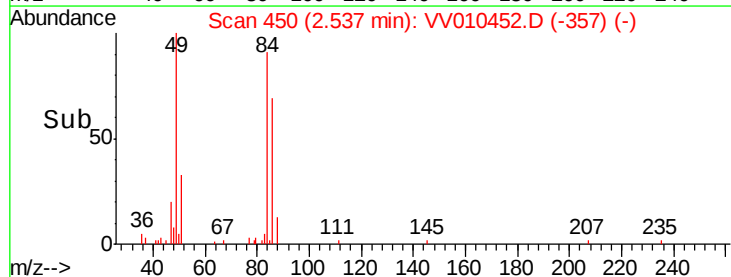
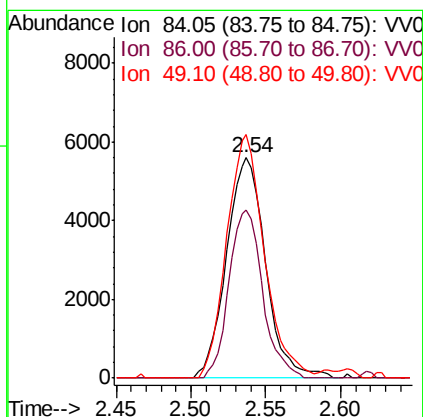
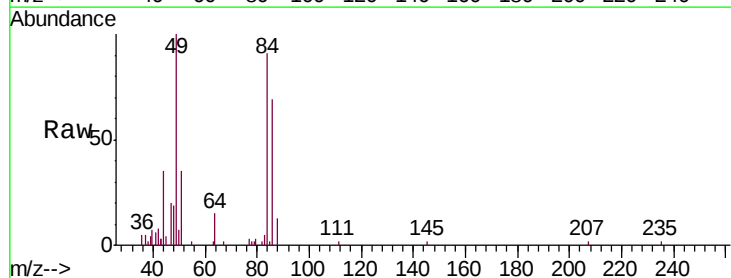
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

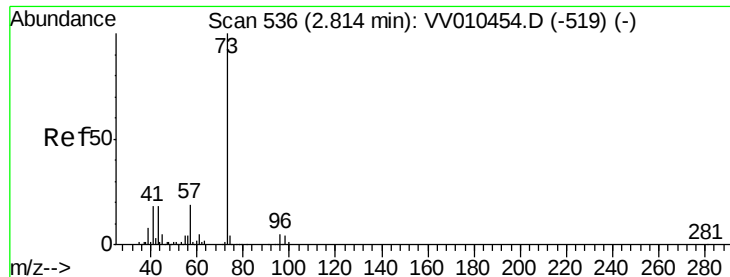
Tgt Ion: 43 Resp: 3022
Ion Ratio Lower Upper
43 100
74 23.5 23.0 34.6



#16
Methylene chloride
Concen: 0.470 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

Tgt Ion: 84 Resp: 10168
Ion Ratio Lower Upper
84 100
86 76.0 44.7 83.1
49 110.4 72.7 135.1



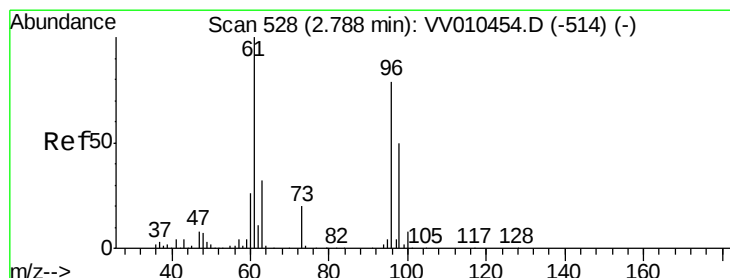
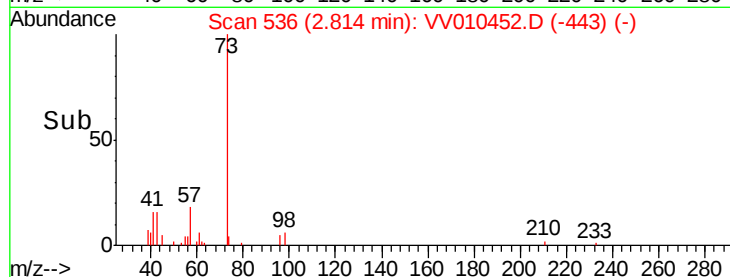
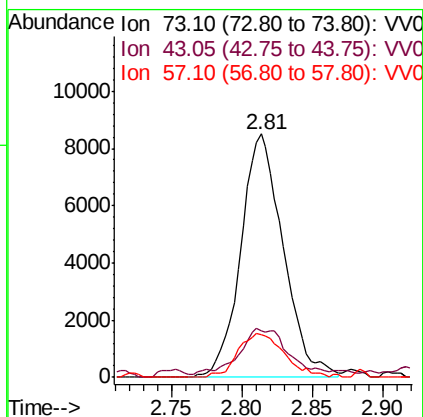
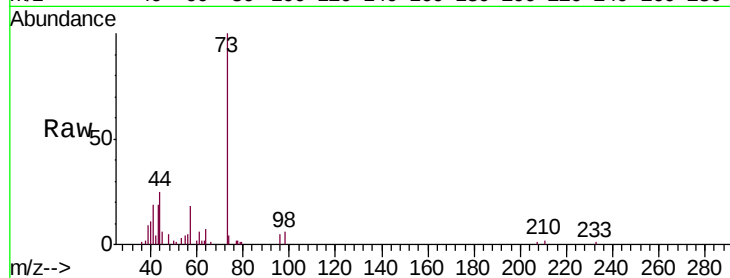


#17

Methyl tert-butyl Ether
 Concen: 0.385 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.533

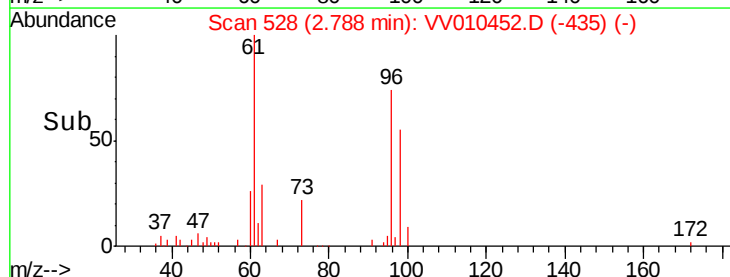
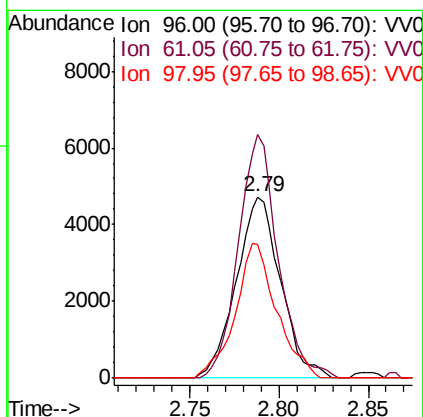
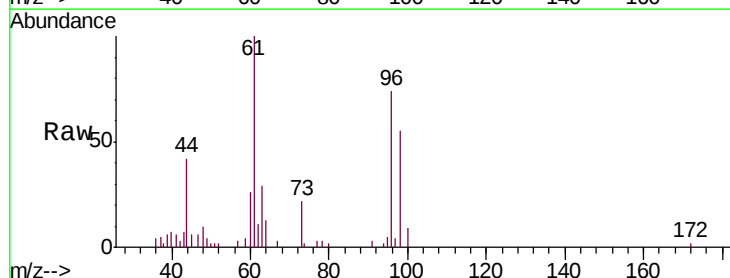
Tgt Ion:	73	Resp:	17936
Ion	Ratio	Lower	Upper
73	100		
43	20.8	14.9	22.3
57	19.7	15.7	23.5

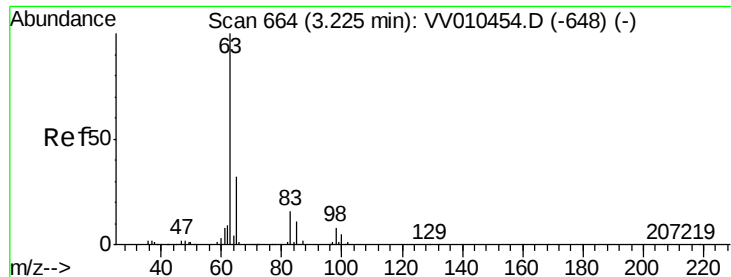


#18

trans-1,2-Dichloroethene
 Concen: 0.382 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion:	96	Resp:	8211
Ion	Ratio	Lower	Upper
96	100		
61	134.3	89.2	165.6
98	73.3	44.8	83.2

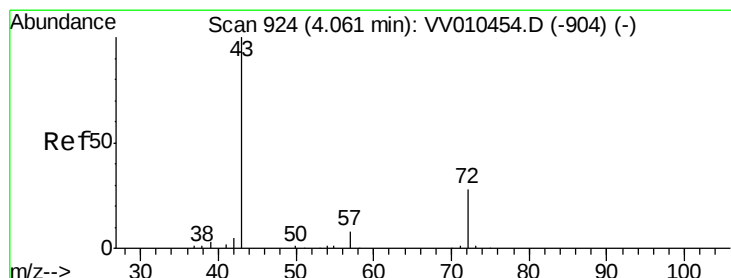
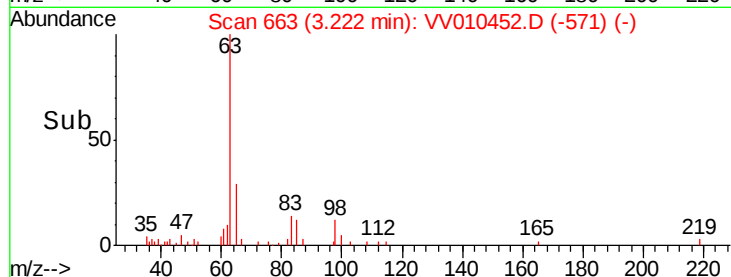
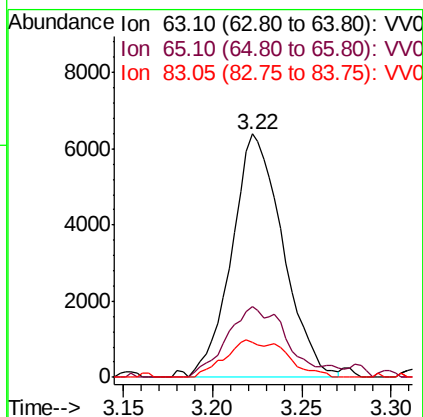
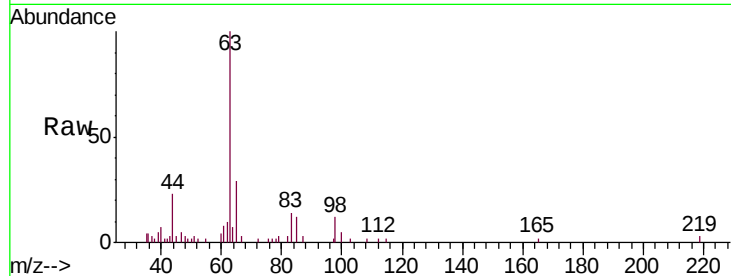




#19
 1,1-Dichloroethane
 Concen: 0.346 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

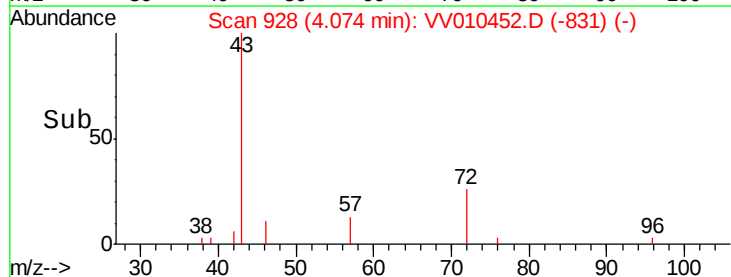
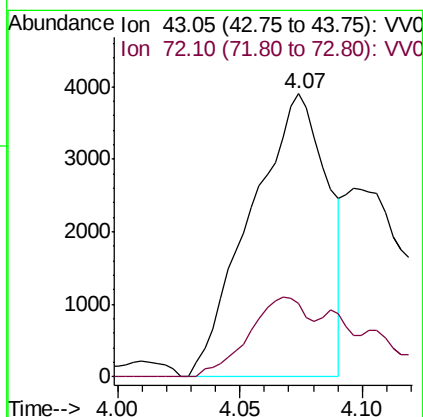
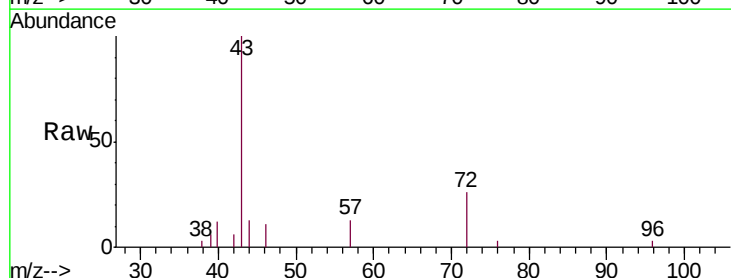
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

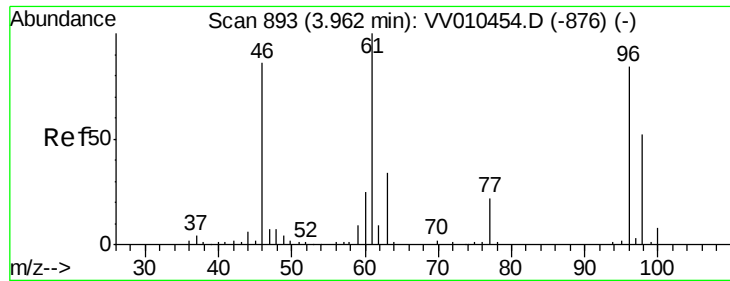
Tgt Ion: 63 Resp: 12750
 Ion Ratio Lower Upper
 63 100
 65 29.1 22.7 42.3
 83 14.4 11.3 20.9



#21
 2-Butanone
 Concen: 2.447 ug/L
 RT: 4.07 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion: 43 Resp: 8518
 Ion Ratio Lower Upper
 43 100
 72 22.1 14.1 42.2



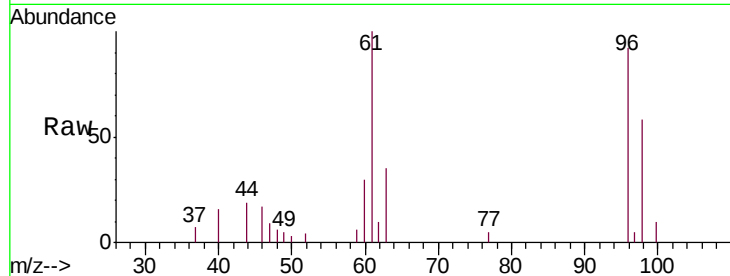


#22

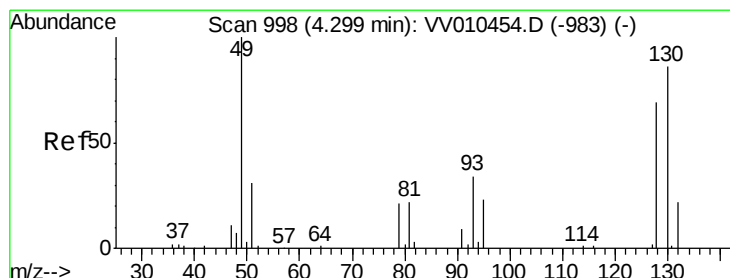
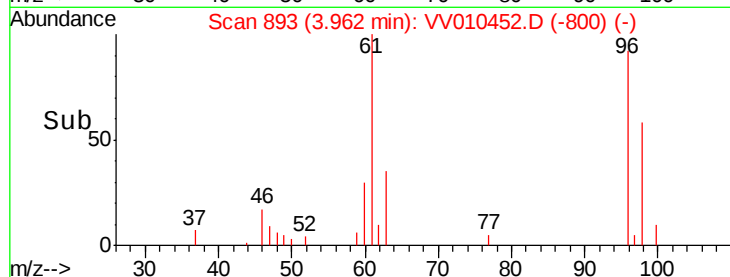
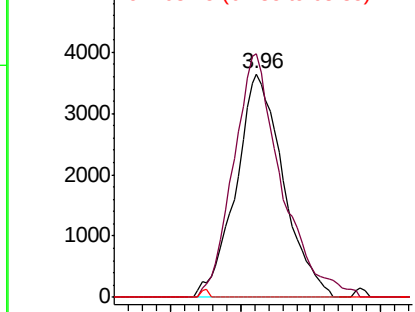
cis-1,2-Dichloroethene
Concen: 0.461 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion: 96 Resp: 8534
Ion Ratio Lower Upper
96 100
61 109.0 83.2 154.6
68 0.0 0.0 0.0



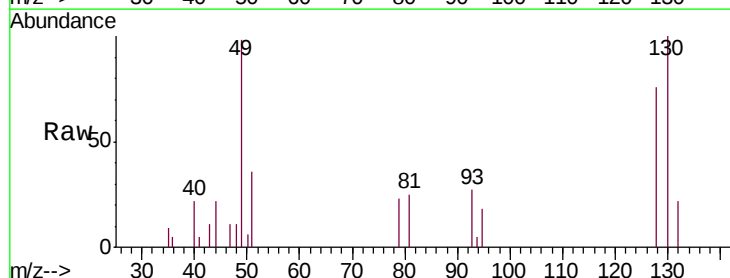
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



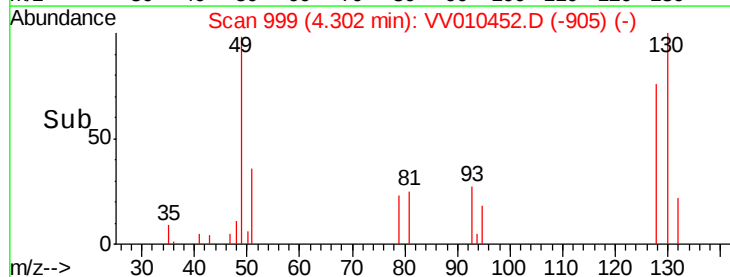
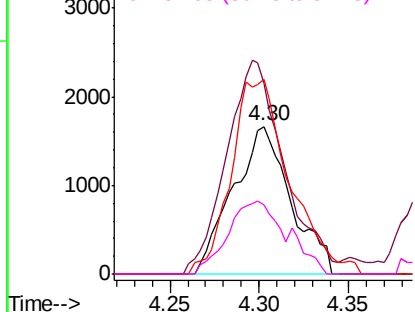
#23

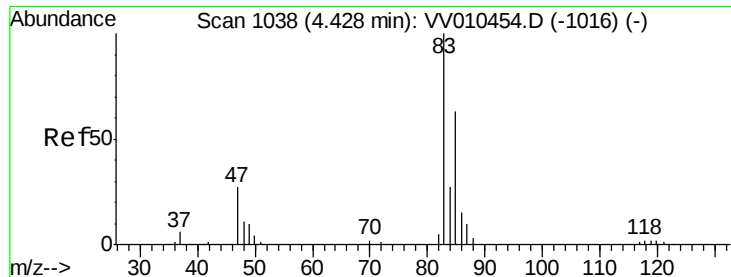
Bromochloromethane
Concen: 0.453 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

Tgt Ion: 128 Resp: 3755
Ion Ratio Lower Upper
128 100
49 129.4 102.0 189.4
130 132.0 87.6 162.6
51 47.3 35.4 53.2



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

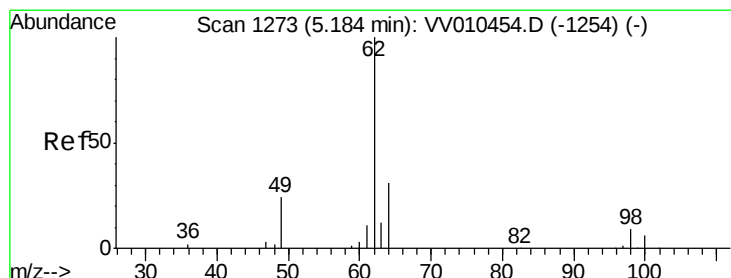
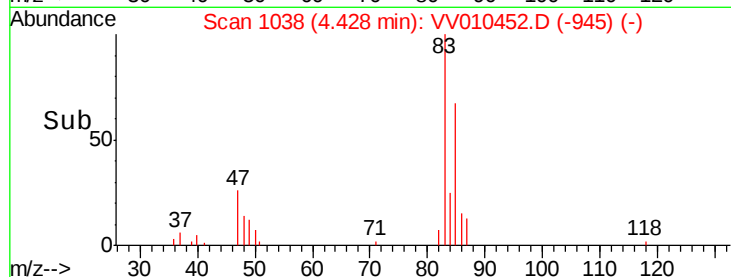
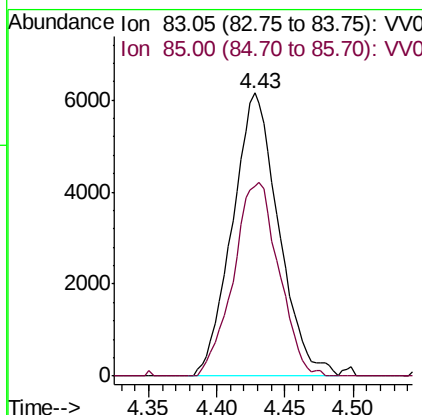
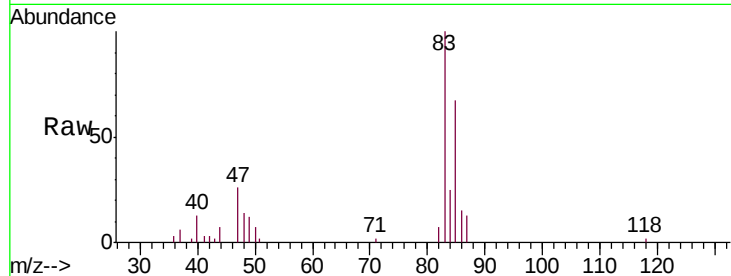




#25
Chloroform
Concen: 0.419 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

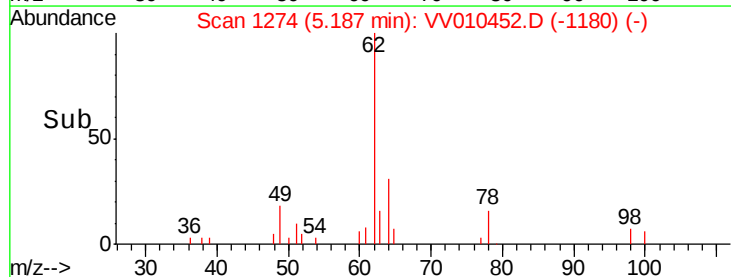
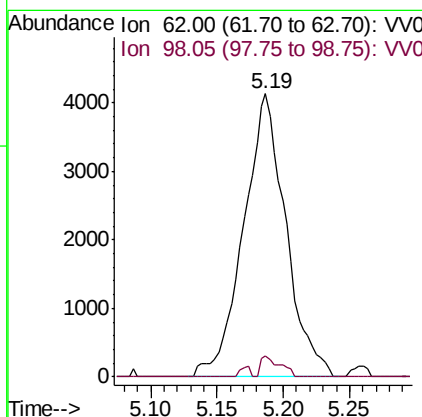
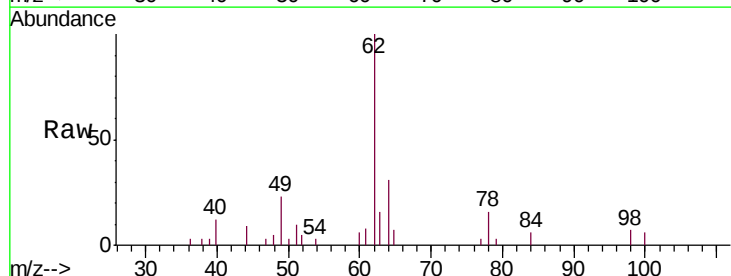
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

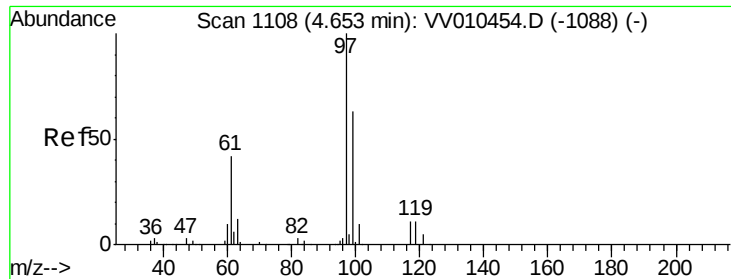
Tgt Ion: 83 Resp: 14507
Ion Ratio Lower Upper
83 100
85 67.0 44.3 82.3



#27
1,2-Dichloroethane
Concen: 0.477 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

Tgt Ion: 62 Resp: 9184
Ion Ratio Lower Upper
62 100
98 7.3 7.5 11.3#

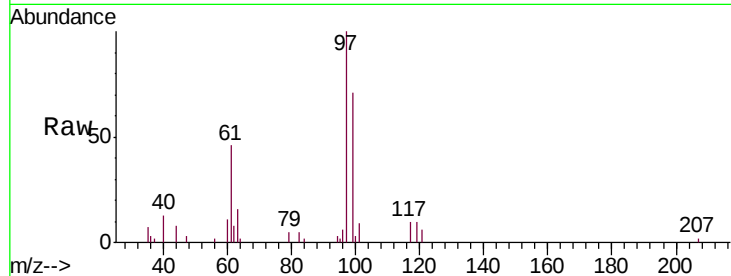




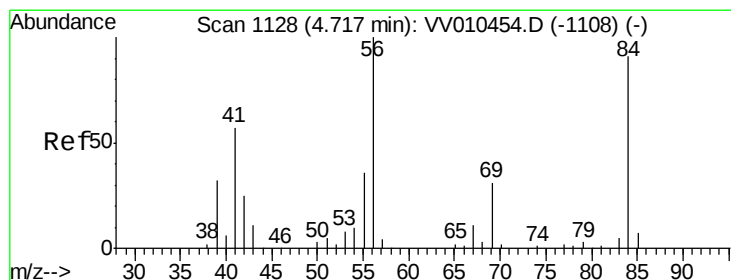
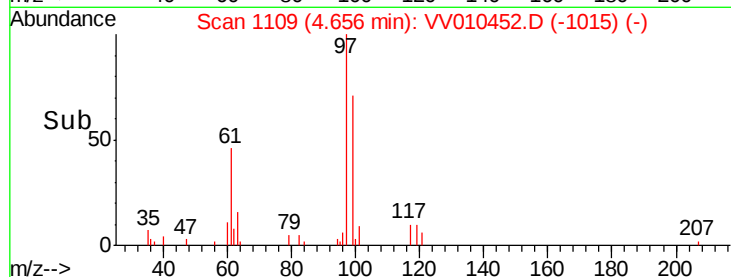
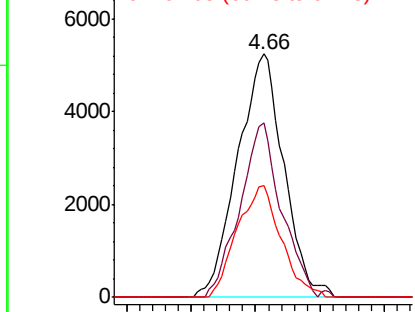
#29
 1,1,1-Trichloroethane
 Concen: 0.448 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion: 97 Resp: 13130
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.2 78.2
 61 43.5 33.7 50.5

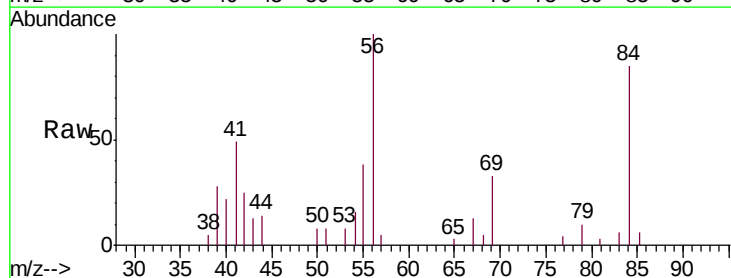


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

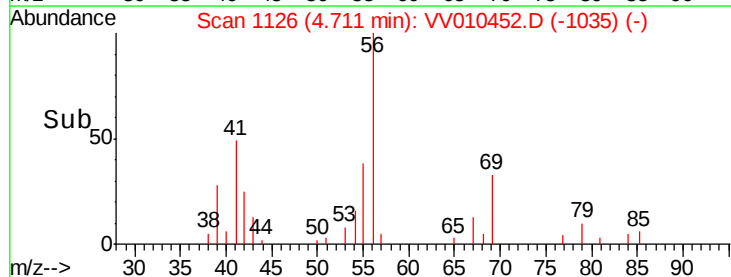
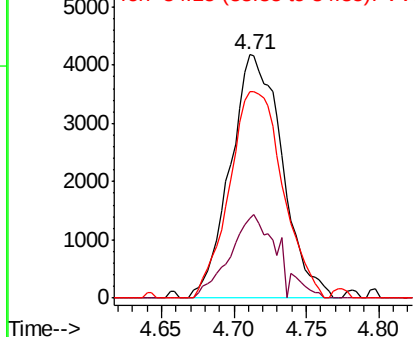


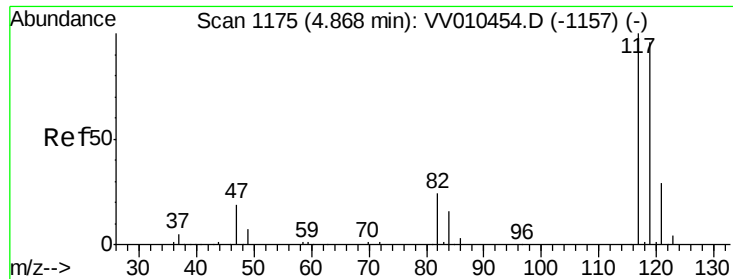
#30
 Cyclohexane
 Concen: 0.421 ug/L
 RT: 4.71 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion: 56 Resp: 10377
 Ion Ratio Lower Upper
 56 100
 69 30.2 25.5 38.3
 84 87.5 76.7 115.1



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: 0.391 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

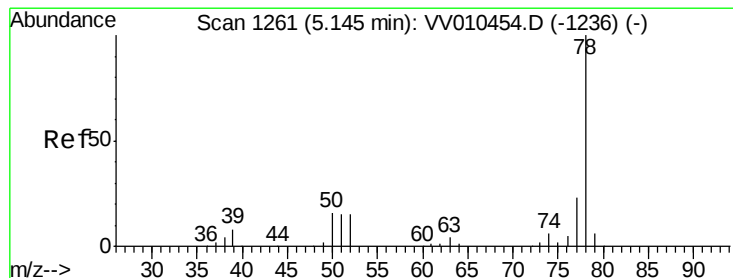
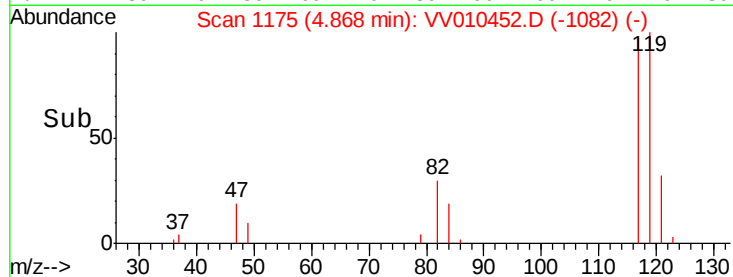
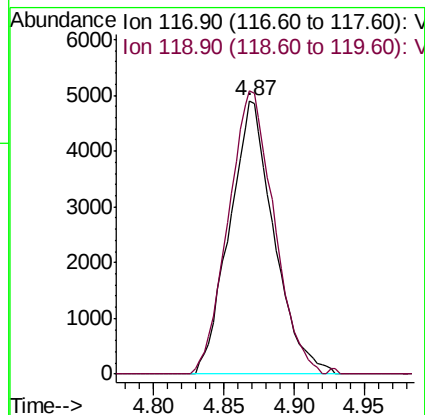
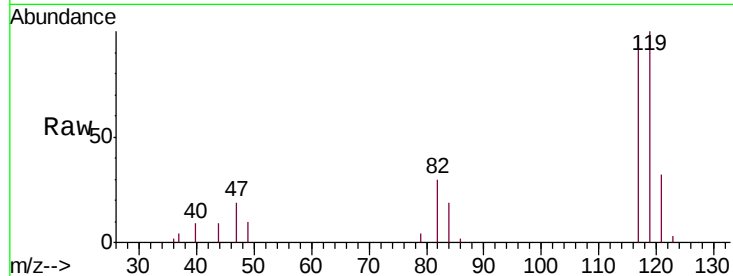
VSTD0.533

Tgt Ion:117 Resp: 10771

Ion Ratio Lower Upper

117 100

119 106.7 76.5 114.7



#33

Benzene

Concen: 0.423 ug/L

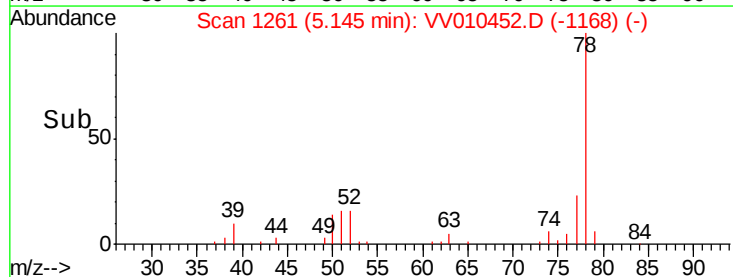
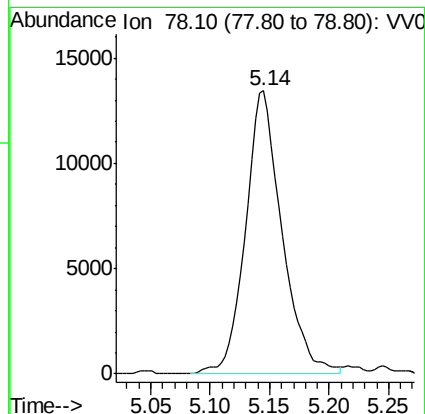
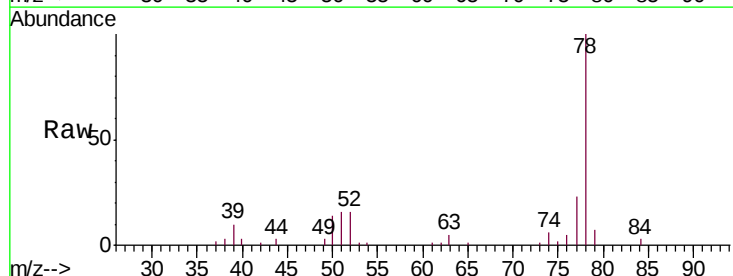
RT: 5.14 min Scan# 1261

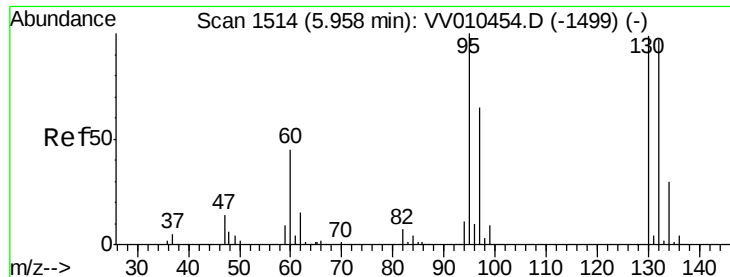
Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Tgt Ion: 78 Resp: 28615





#34

Trichloroethene

Concen: 0.430 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

Tgt Ion: 95 Resp: 8475

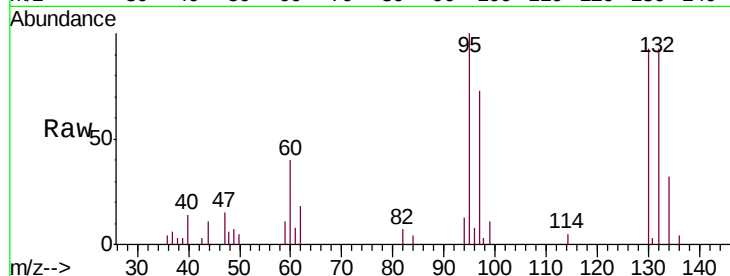
Ion Ratio Lower Upper

95 100

97 73.2 45.6 84.6

132 93.2 67.8 126.0

130 93.2 69.0 128.2

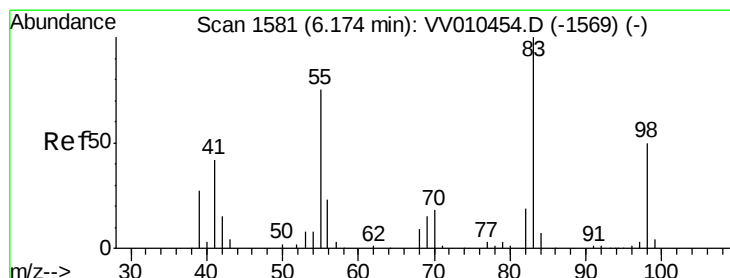
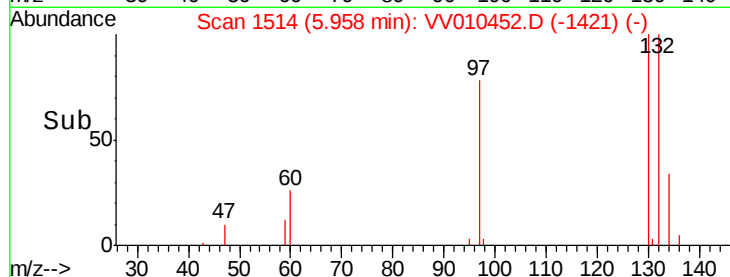
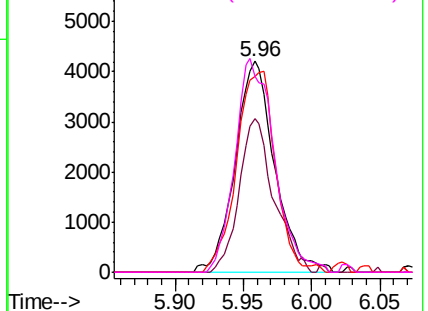


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.369 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

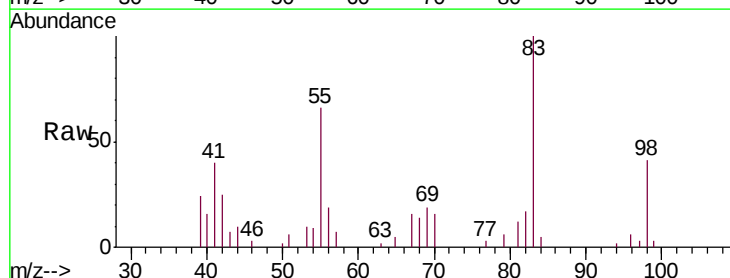
Tgt Ion: 83 Resp: 10768

Ion Ratio Lower Upper

83 100

55 70.1 57.8 86.6

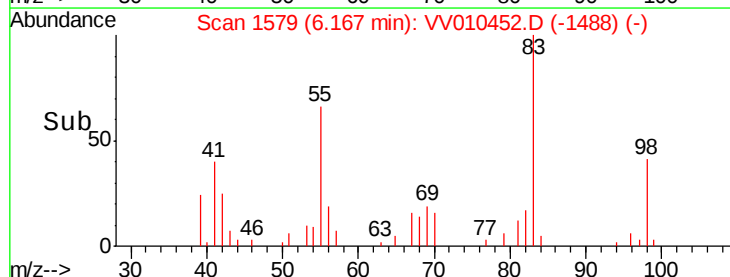
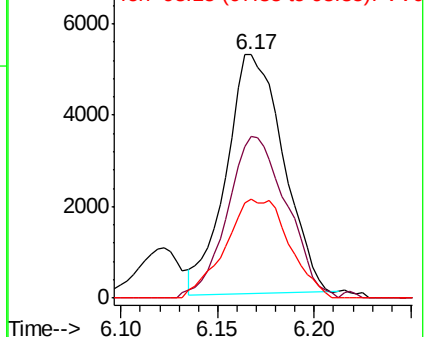
98 45.8 38.8 58.2

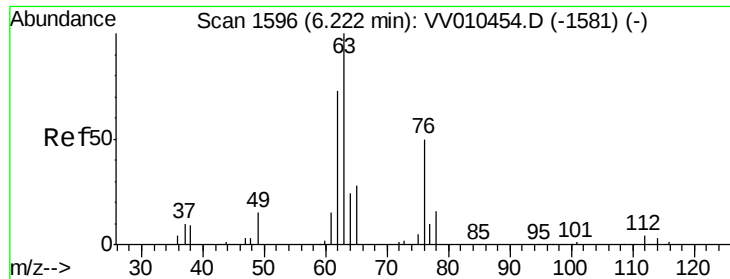


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

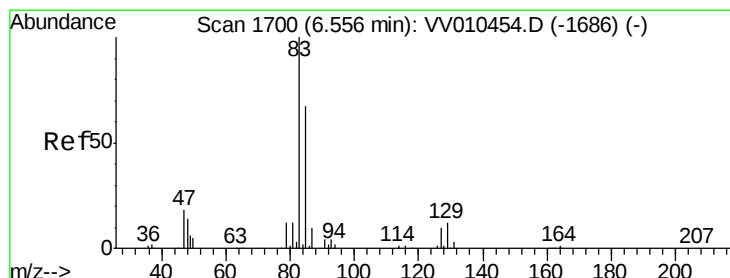
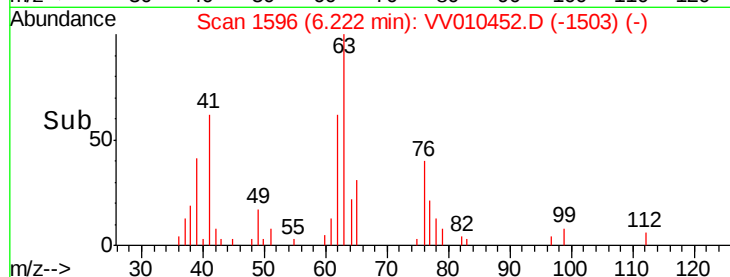
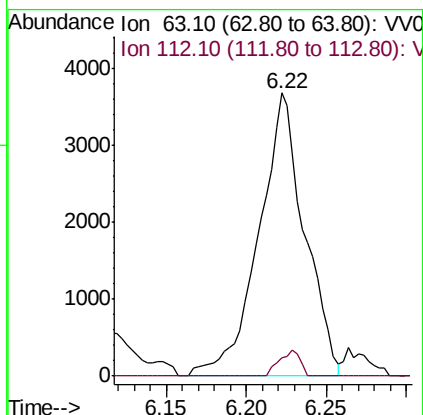
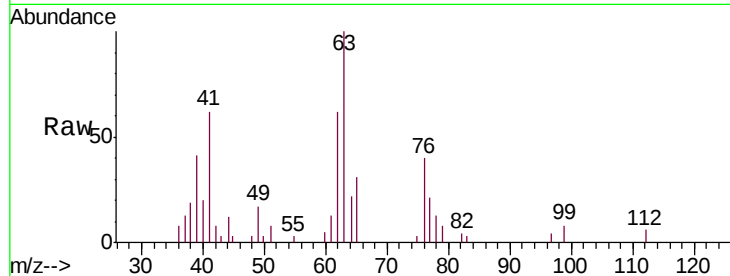




#37
 1,2-Dichloropropane
 Concen: 0.466 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

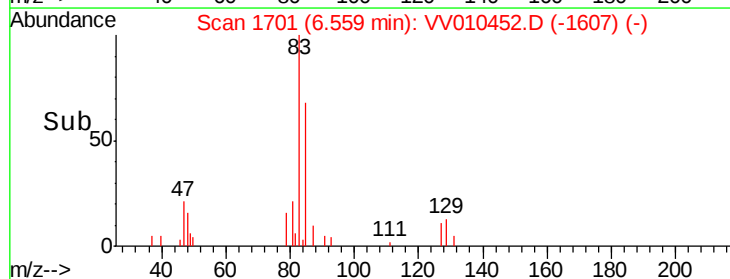
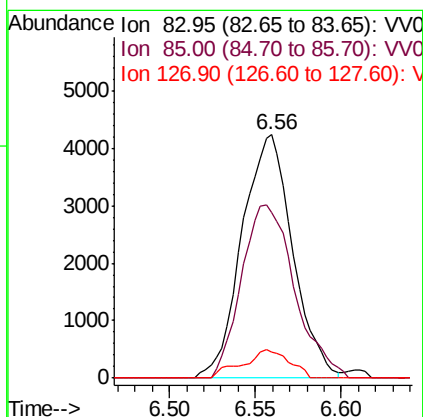
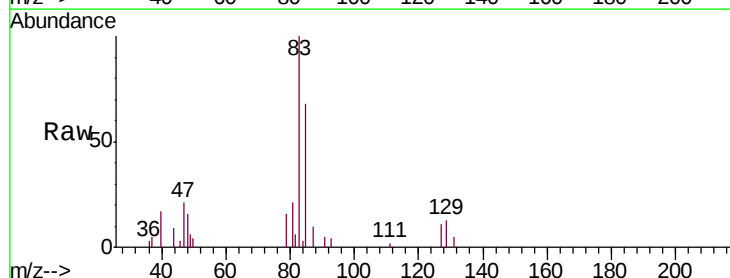
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

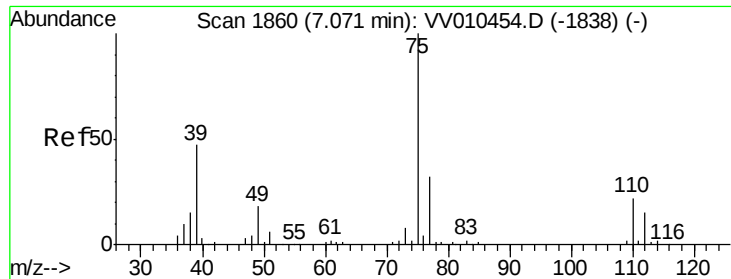
Tgt Ion: 63 Resp: 7293
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.412 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion: 83 Resp: 8639
 Ion Ratio Lower Upper
 83 100
 85 67.9 46.6 86.6
 127 10.8 7.8 11.8

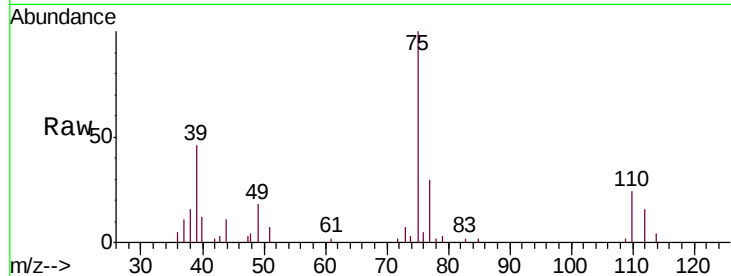




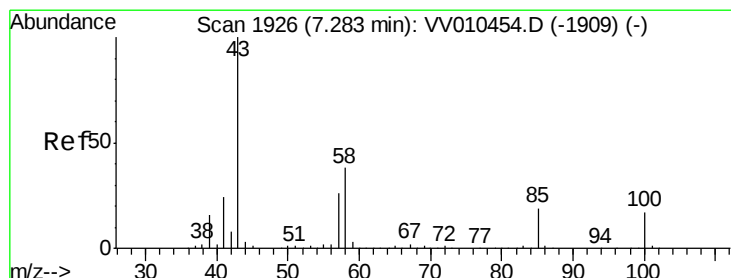
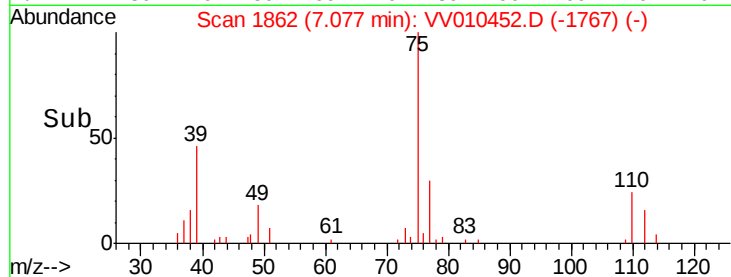
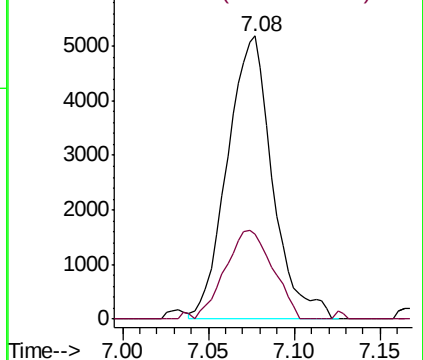
#39
 cis-1,3-Dichloropropene
 Concen: 0.433 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion: 75 Resp: 9509
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.5 41.7

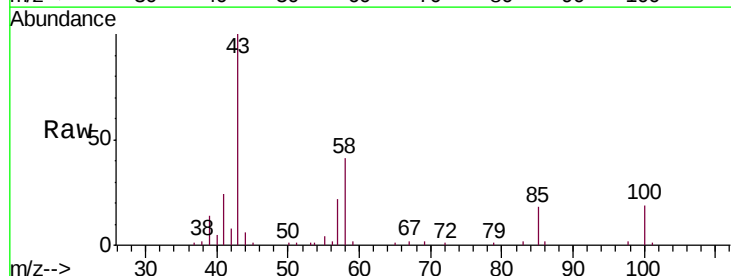


Abundance Ion 75.05 (74.75 to 75.75): VV010452.D (-1833) (-)
 Ion 77.05 (76.75 to 77.75): VV010452.D (-1833) (-)

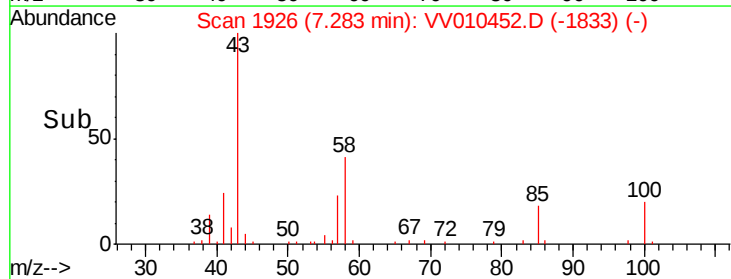
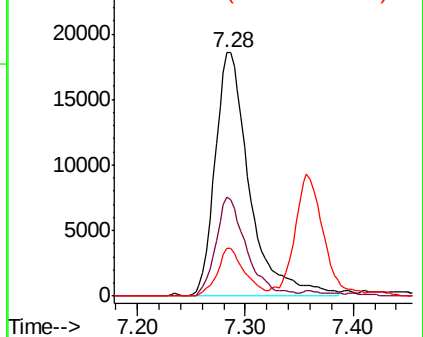


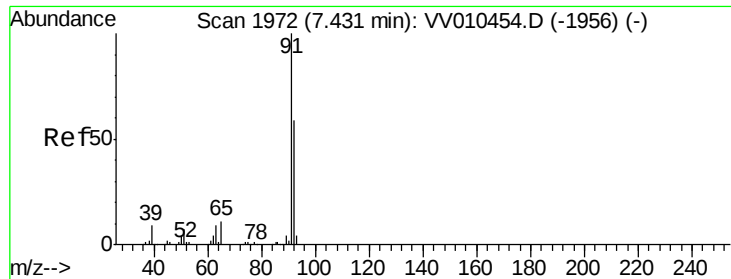
#40
 4-Methyl-2-pentanone
 Concen: 4.816 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion: 43 Resp: 41303
 Ion Ratio Lower Upper
 43 100
 58 35.9 30.3 45.5
 100 15.7 13.0 19.4



Abundance Ion 43.05 (42.75 to 43.75): VV010452.D (-1833) (-)
 Ion 58.05 (57.75 to 58.75): VV010452.D (-1833) (-)
 Ion 100.15 (99.85 to 100.85): VV010452.D (-1833) (-)





#42

Toluene

Concen: 0.425 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

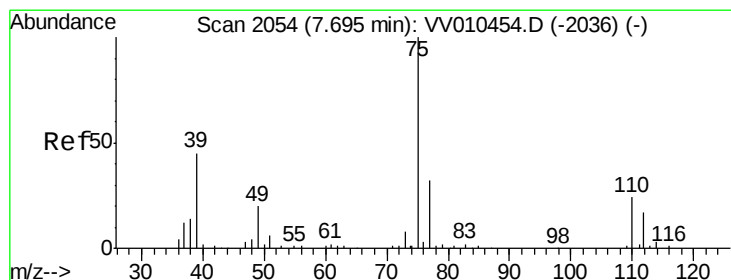
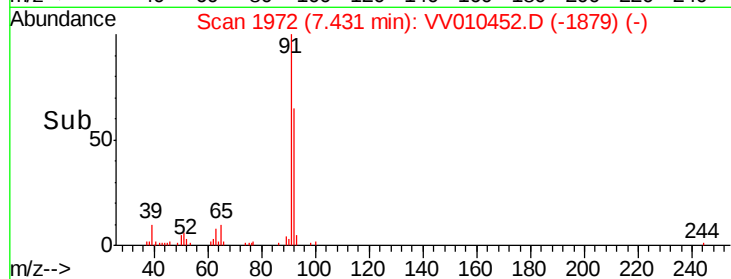
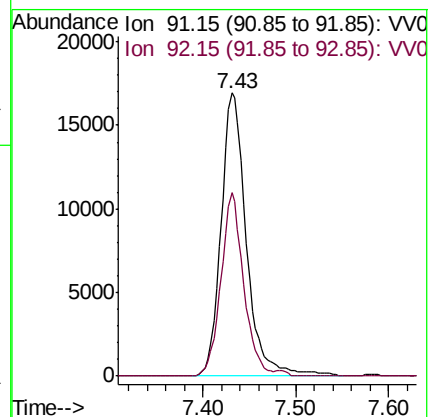
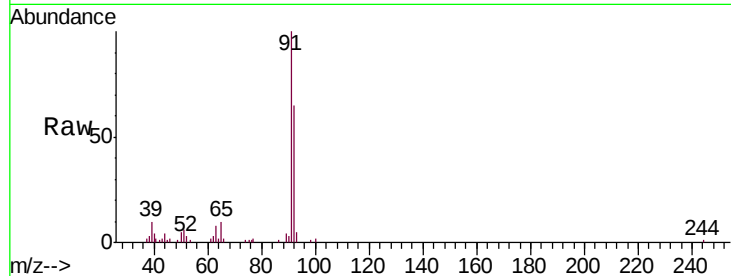
VSTD0.533

Tgt Ion: 91 Resp: 32051

Ion Ratio Lower Upper

91 100

92 65.0 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 0.429 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010452.D

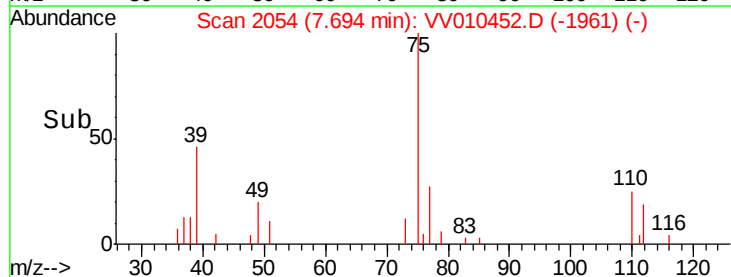
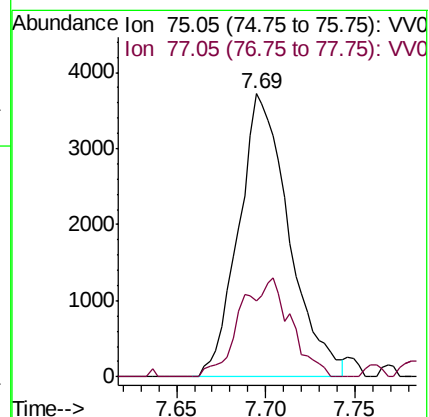
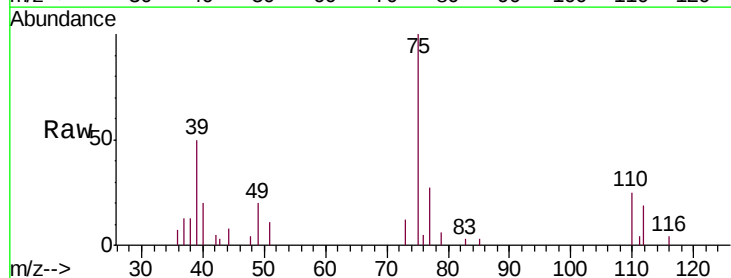
Acq: 24 Apr 2019 10:34

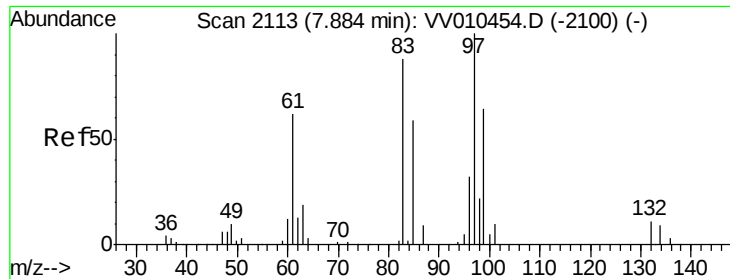
Tgt Ion: 75 Resp: 7308

Ion Ratio Lower Upper

75 100

77 26.8 22.1 41.1

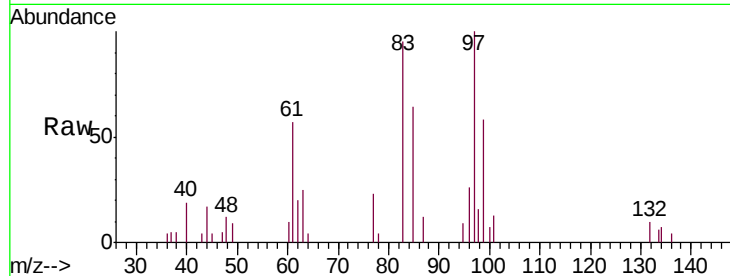




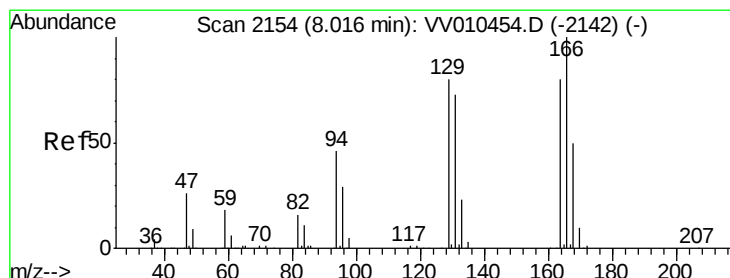
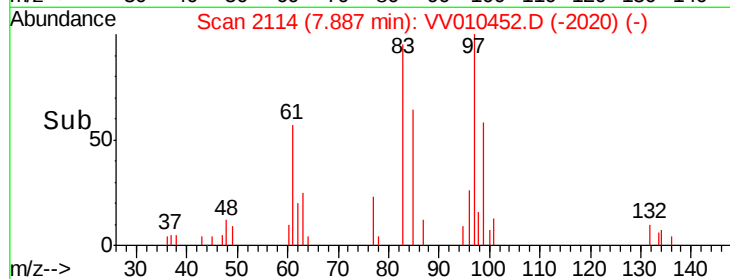
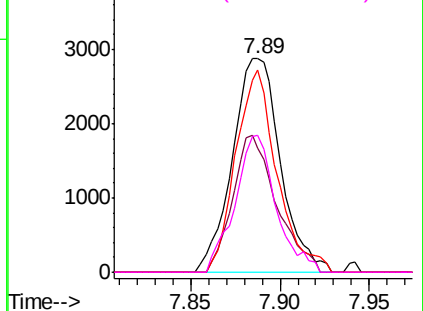
#45
 1,1,2-Trichloroethane
 Concen: 0.438 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

Tgt Ion:	97	Resp:	5421
Ion	Ratio	Lower	Upper
97	100		
99	58.3	45.1	83.7
83	94.7	61.7	114.7
85	64.2	41.2	76.4

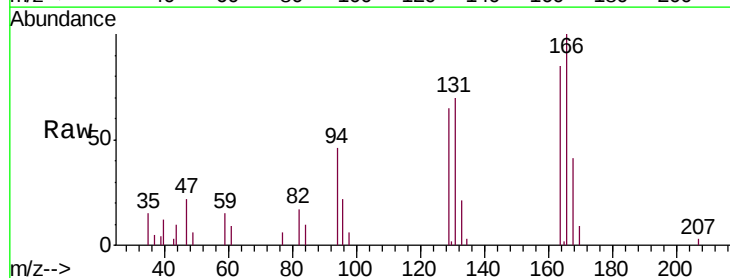


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

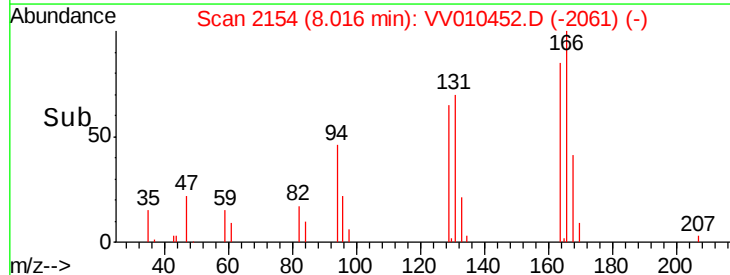
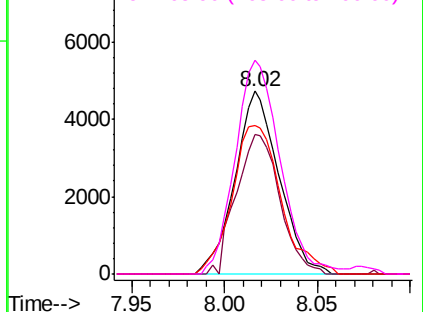


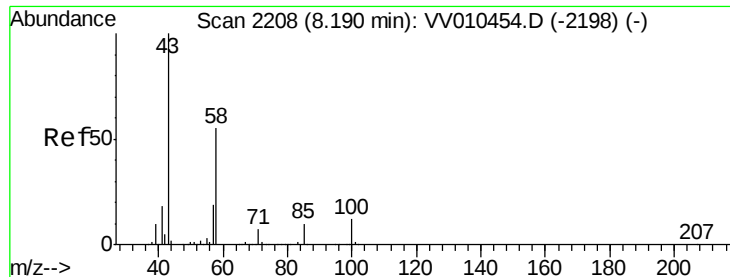
#47
 Tetrachloroethene
 Concen: 0.453 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion:	164	Resp:	7779
Ion	Ratio	Lower	Upper
164	100		
129	76.5	69.7	129.4
131	81.5	63.8	118.6
166	117.0	87.4	162.2



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

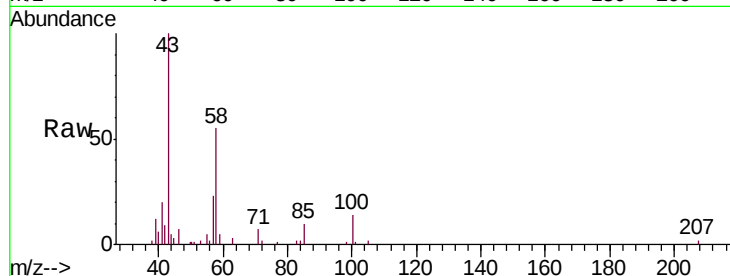




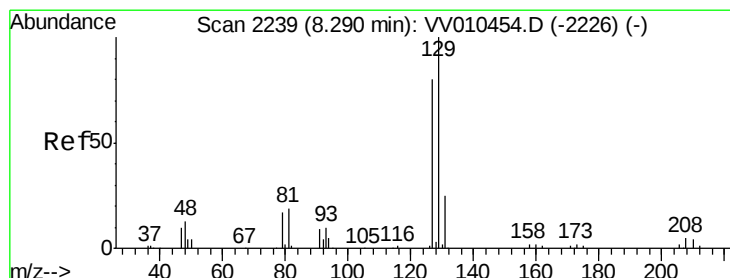
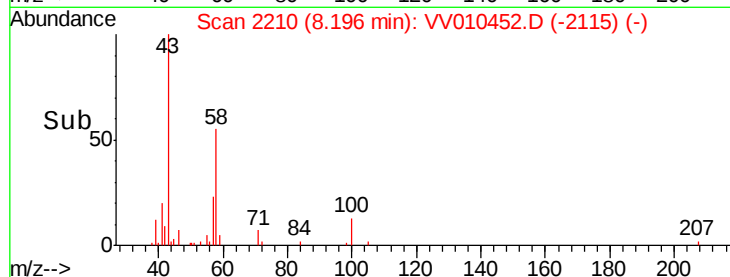
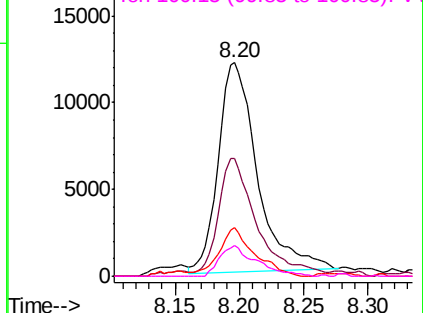
#48
2-Hexanone
Concen: 4.447 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.533

Tgt Ion: 43 Resp: 25654
Ion Ratio Lower Upper
43 100
58 51.6 42.2 63.4
57 20.7 15.3 22.9
100 13.8 9.6 14.4

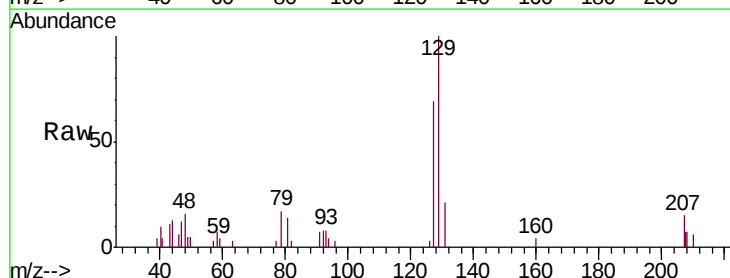


Abundance Ion 43.05 (42.75 to 43.75): VV010452.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV010452.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV010452.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV010452.D (-2115) (-)

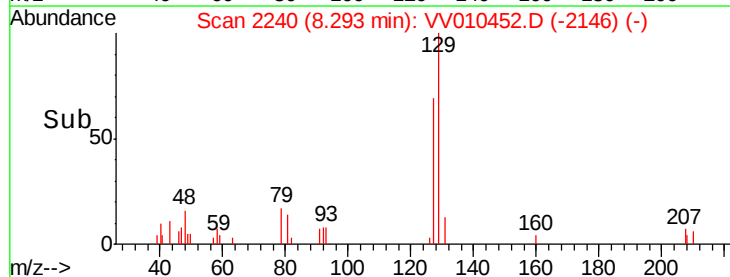
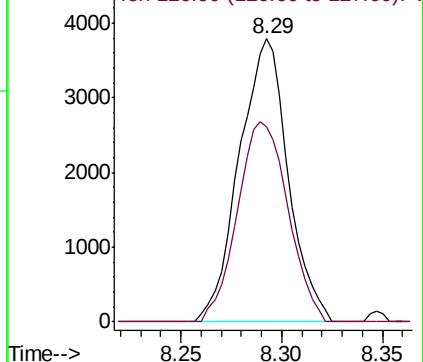


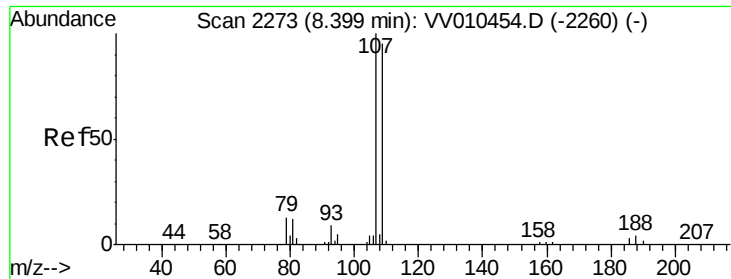
#49
Dibromochloromethane
Concen: 0.432 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV010452.D
Acq: 24 Apr 2019 10:34

Tgt Ion: 129 Resp: 6429
Ion Ratio Lower Upper
129 100
127 68.7 56.1 104.1



Abundance Ion 128.95 (128.65 to 129.65): VV010452.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010452.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 0.444 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

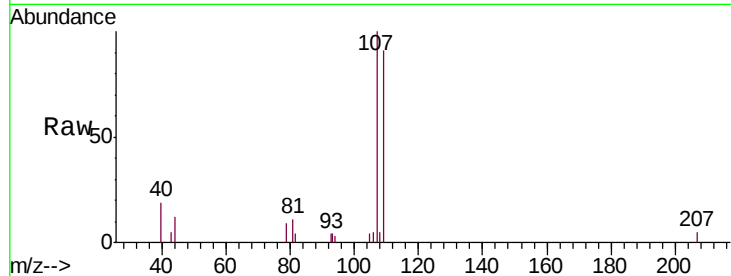
Instrument :

MSVOA_V

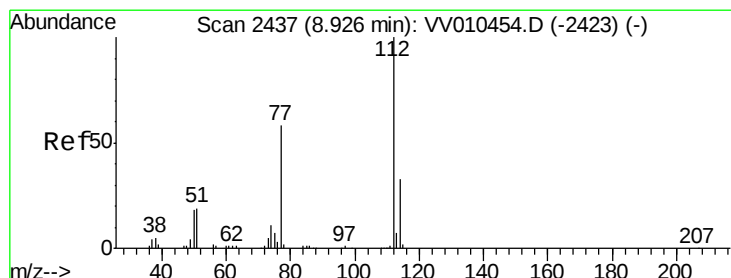
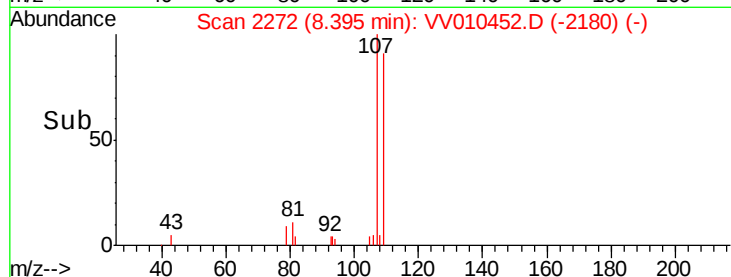
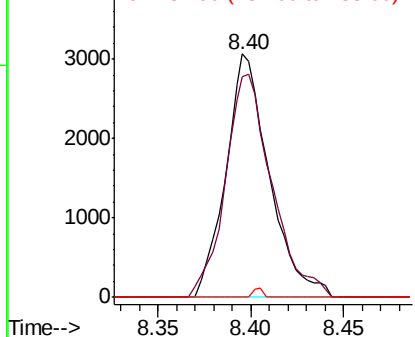
ClientSampleId :

VSTD0.533

Tgt Ion:	107	Resp:	4998
Ion	Ratio	Lower	Upper
107	100		
109	90.8	66.1	122.8
188	0.0	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: 0.456 ug/L

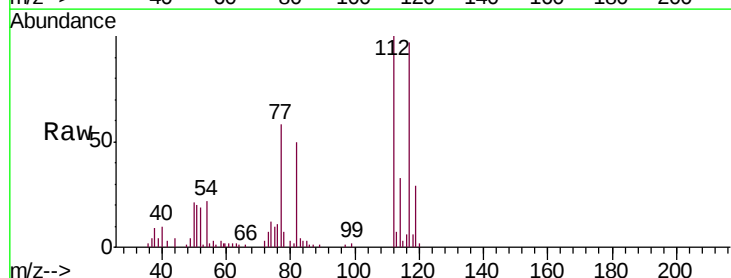
RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

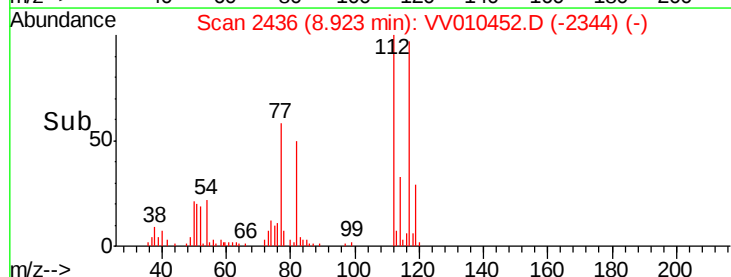
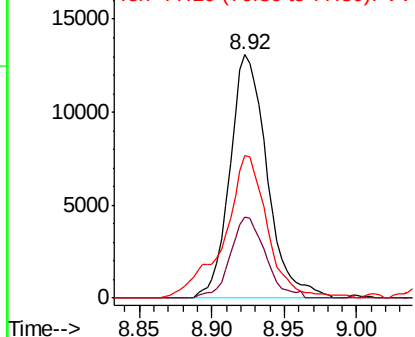
Lab File: VV010452.D

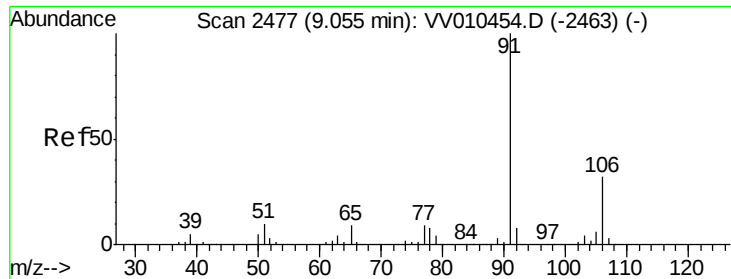
Acq: 24 Apr 2019 10:34

Tgt Ion:	112	Resp:	23286
Ion	Ratio	Lower	Upper
112	100		
114	33.4	23.0	42.6
77	58.4	46.8	70.2



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): VV0





#52

Ethylbenzene

Concen: 0.410 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

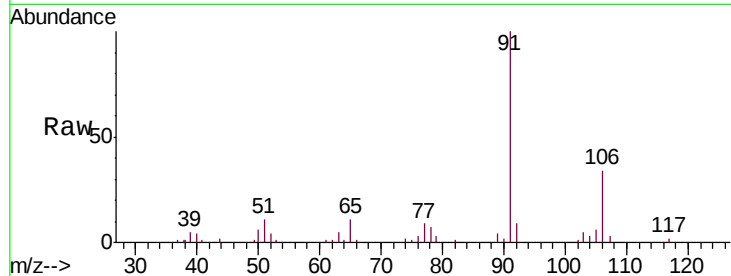
VSTD0.533

Tgt Ion: 91 Resp: 33468

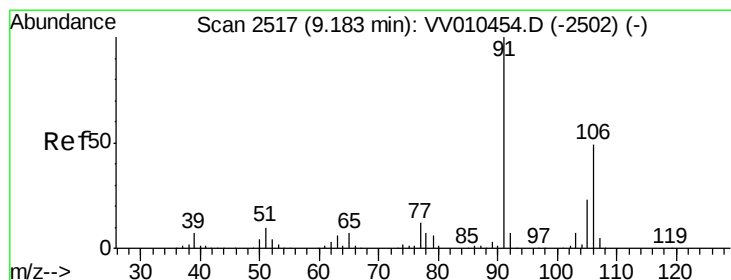
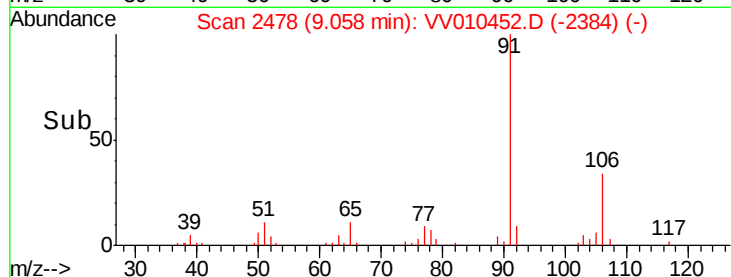
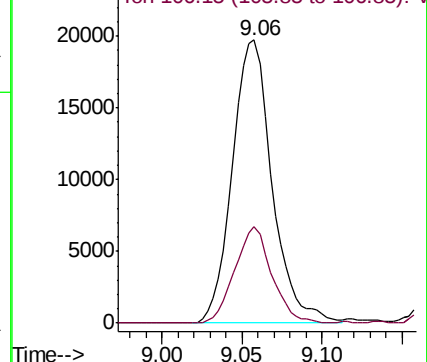
Ion Ratio Lower Upper

91 100

106 34.3 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV010454.D (-2463) (-)



#53

m,p-xylene

Concen: 0.379 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010452.D

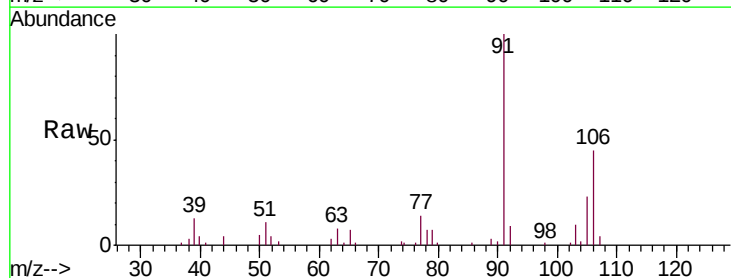
Acq: 24 Apr 2019 10:34

Tgt Ion: 106 Resp: 12076

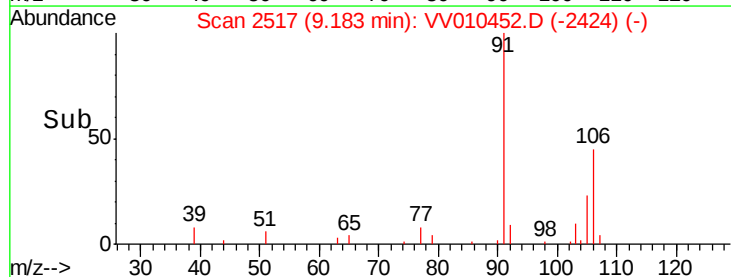
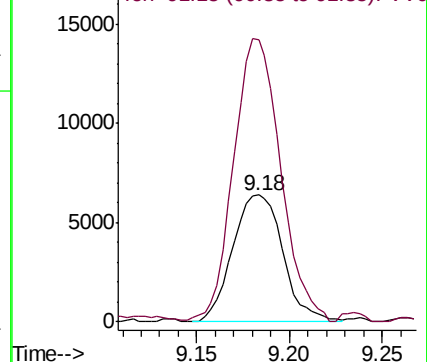
Ion Ratio Lower Upper

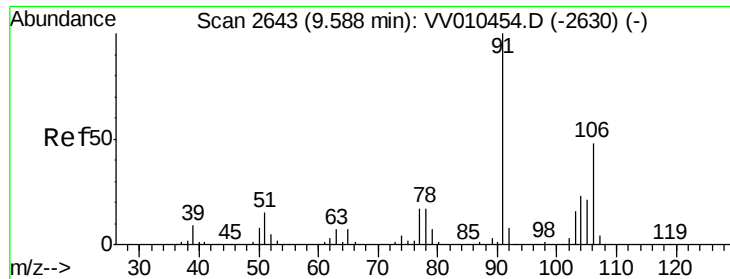
106 100

91 222.5 142.9 265.3



Abundance Ion 106.15 (105.85 to 106.85): VV010454.D (-2502) (-)





#54

o-xylene

Concen: 0.400 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

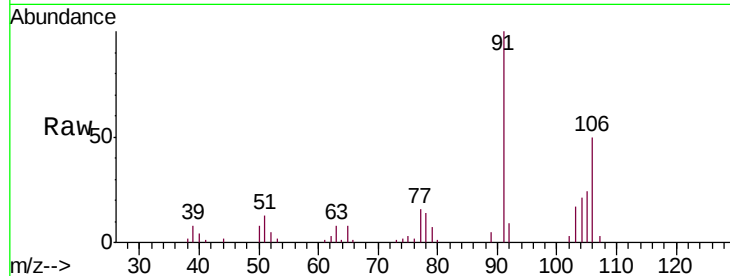
VSTD0.533

Tgt Ion:106 Resp: 12316

Ion Ratio Lower Upper

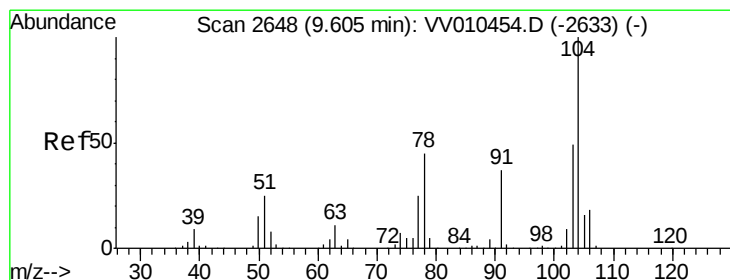
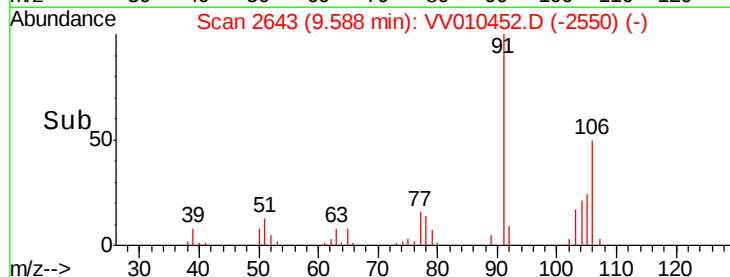
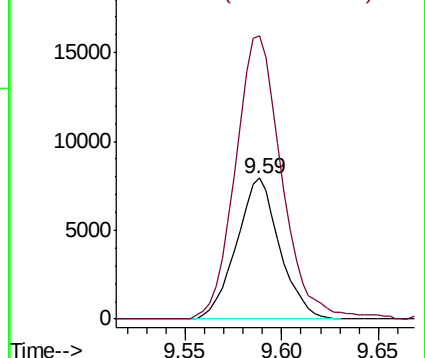
106 100

91 200.7 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.399 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010452.D

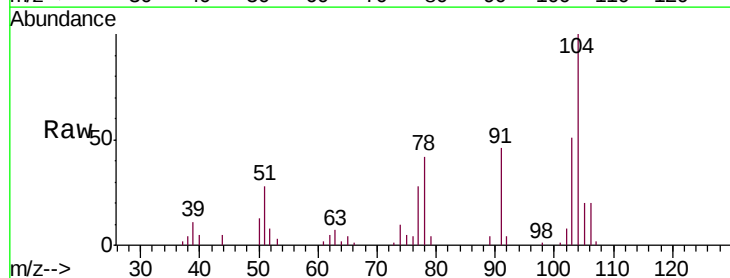
Acq: 24 Apr 2019 10:34

Tgt Ion:104 Resp: 19834

Ion Ratio Lower Upper

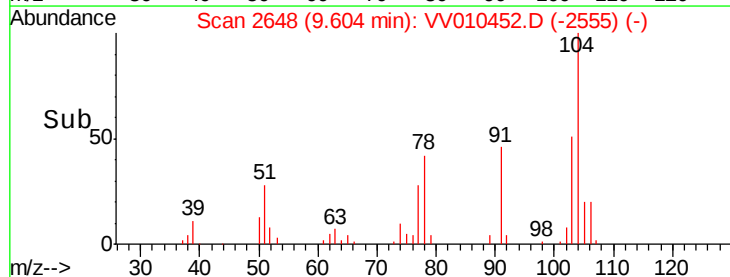
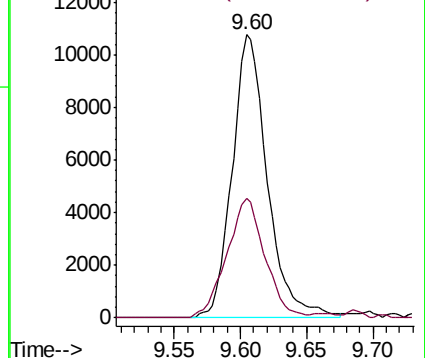
104 100

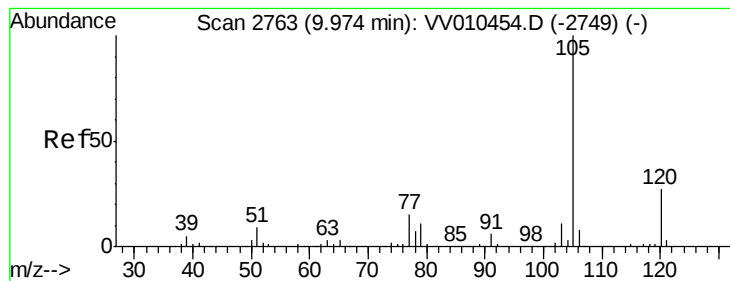
78 42.2 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.386 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

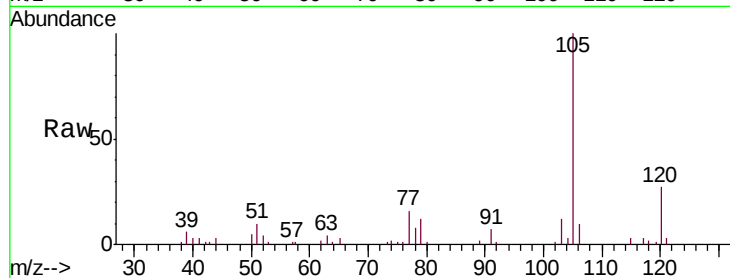
Tgt Ion: 105 Resp: 31649

Ion Ratio Lower Upper

105 100

120 28.3 21.9 32.9

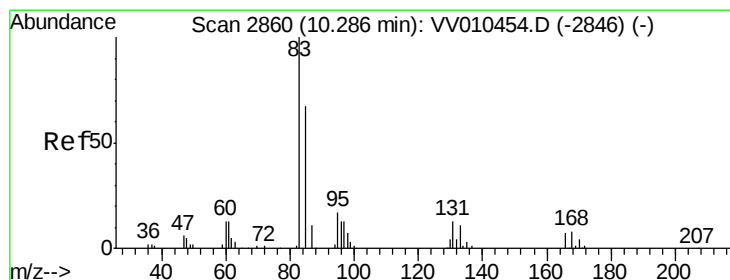
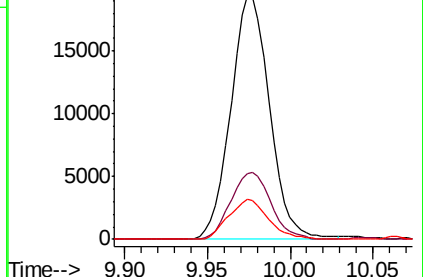
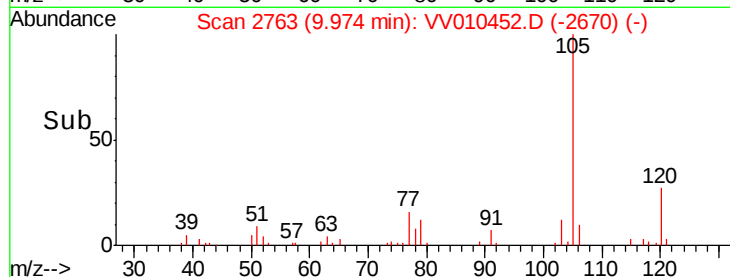
77 16.7 11.9 17.9



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: 0.417 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

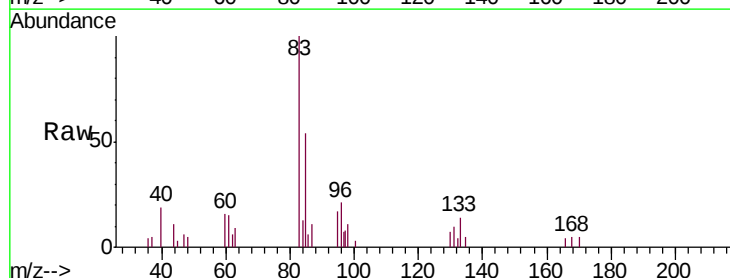
Tgt Ion: 83 Resp: 5617

Ion Ratio Lower Upper

83 100

85 53.8 46.9 87.1

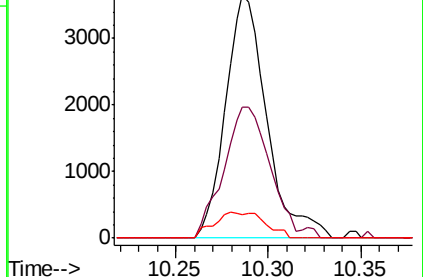
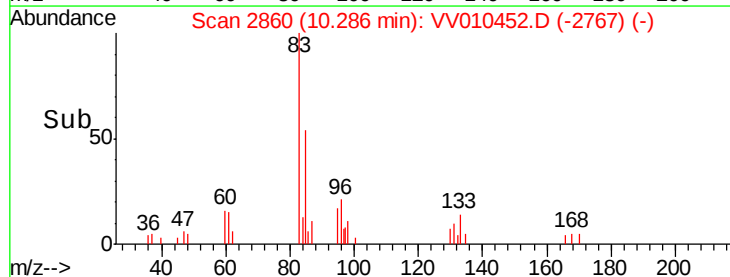
131 9.6 10.3 15.5#

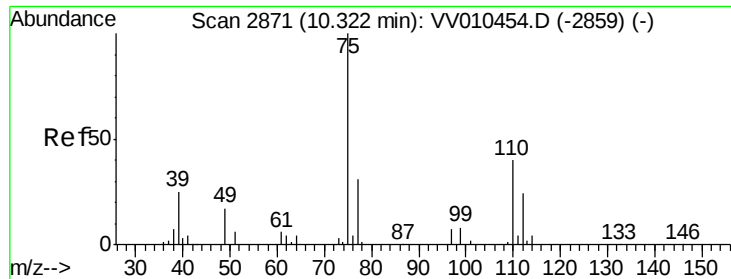


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.447 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

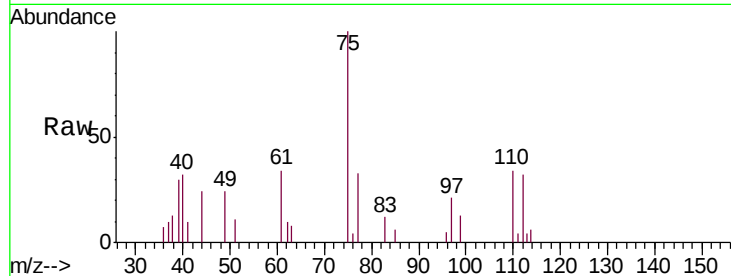
VSTD0.533

Tgt Ion: 75 Resp: 4303

Ion Ratio Lower Upper

75 100

77 34.3 25.9 38.9

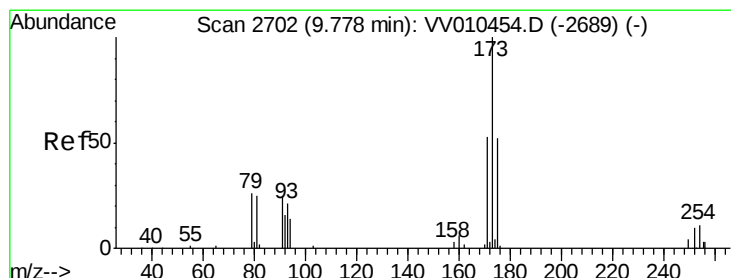
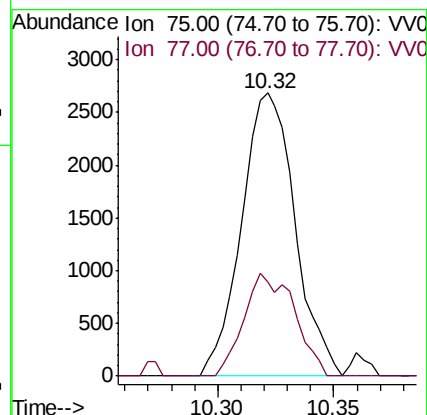
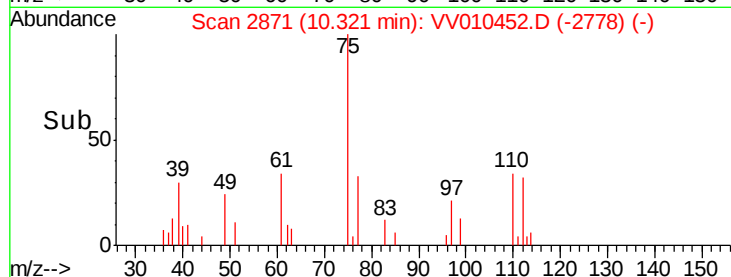


Abundance Ion 75.00 (74.70 to 75.70): VV010454.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010454.D (-2859) (-)

10.32

10.35



#61

Bromoform

Concen: 0.394 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

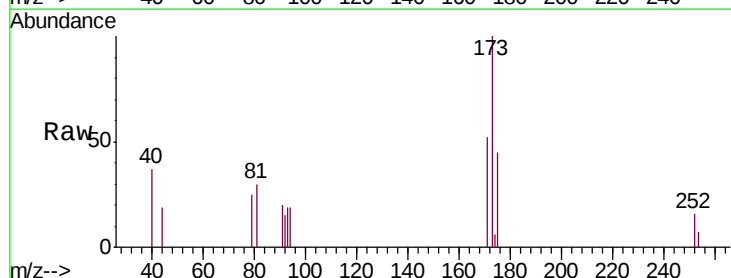
Tgt Ion: 173 Resp: 3033

Ion Ratio Lower Upper

173 100

175 50.2 38.9 58.3

254 2.7 8.1 12.1#



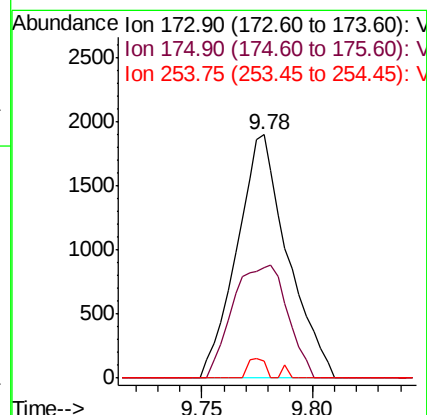
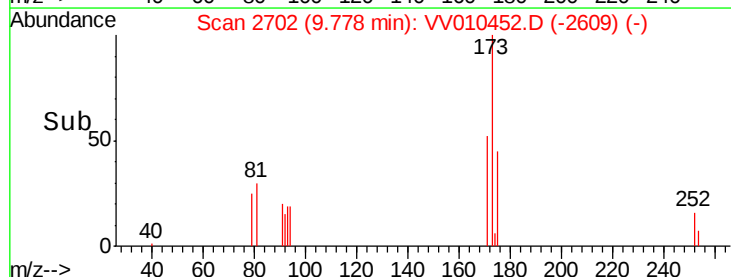
Abundance Ion 172.90 (172.60 to 173.60): VV010454.D (-2689) (-)

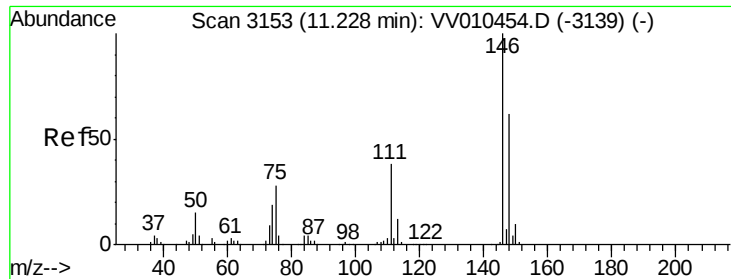
Ion 174.90 (174.60 to 175.60): VV010454.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV010454.D (-2689) (-)

9.78

9.80





#62

1,3-Dichlorobenzene

Concen: 0.441 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

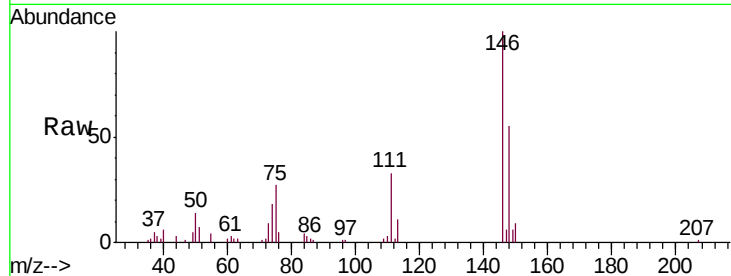
Tgt Ion:146 Resp: 17651

Ion Ratio Lower Upper

146 100

111 33.1 26.3 48.9

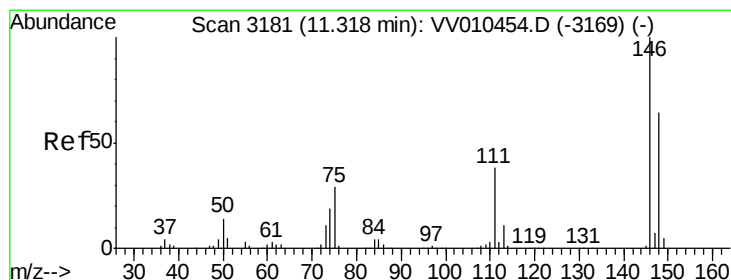
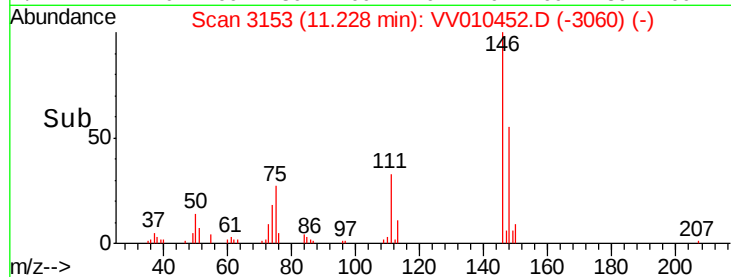
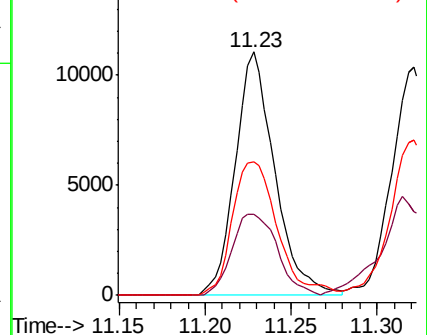
148 54.9 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.426 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

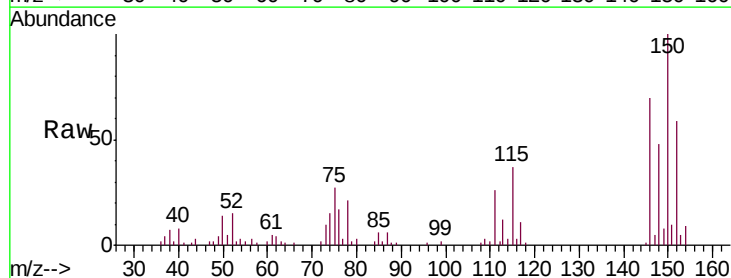
Tgt Ion:146 Resp: 17177

Ion Ratio Lower Upper

146 100

111 36.7 26.6 49.4

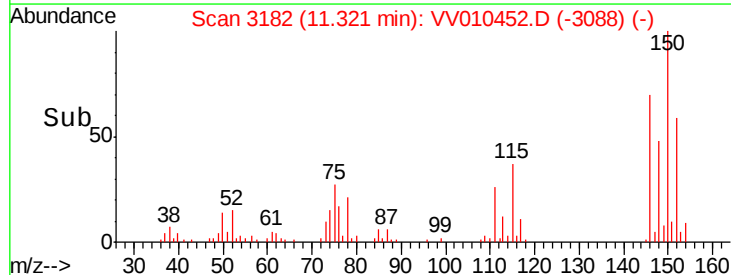
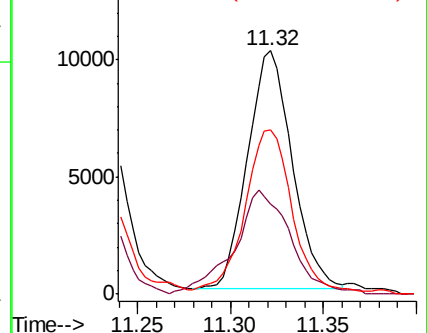
148 67.7 44.5 82.7

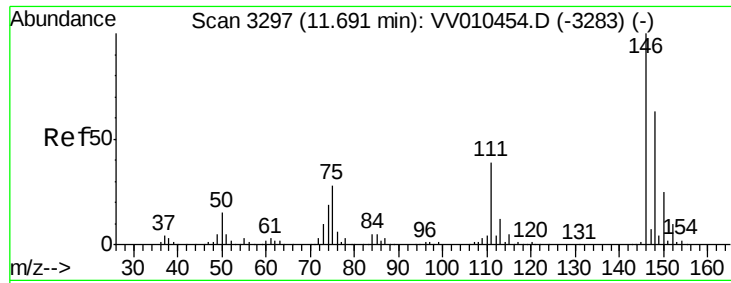


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.430 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampled :

VSTD0.533

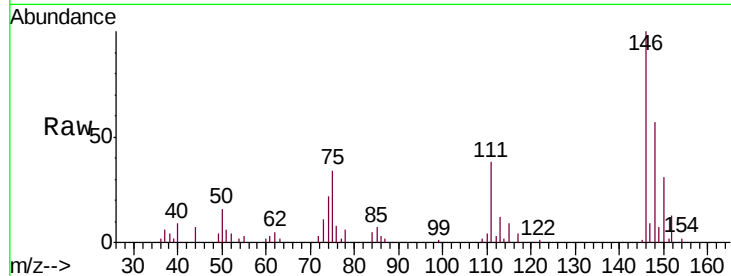
Tgt Ion:146 Resp: 16161

Ion Ratio Lower Upper

146 100

111 37.8 31.6 47.4

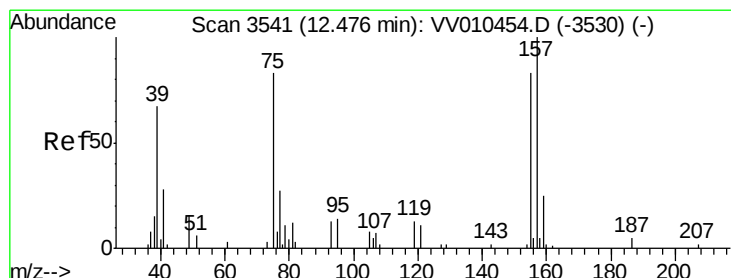
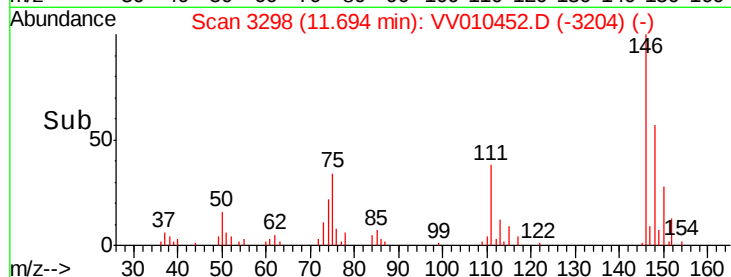
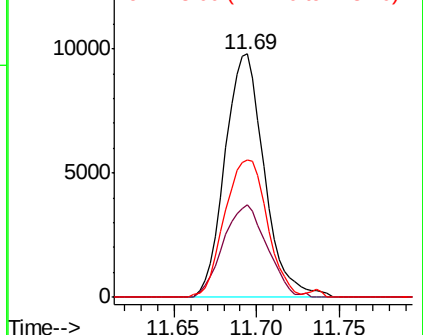
148 56.5 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.661 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

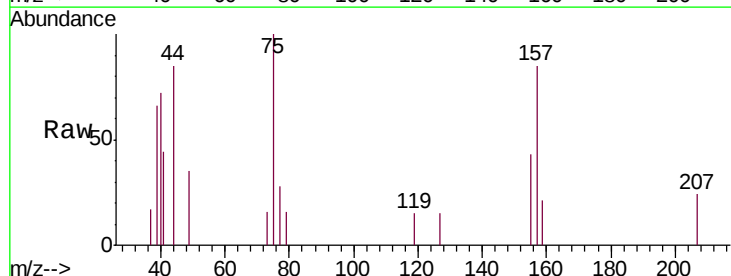
Tgt Ion: 75 Resp: 1181

Ion Ratio Lower Upper

75 100

155 42.6 80.3 120.5#

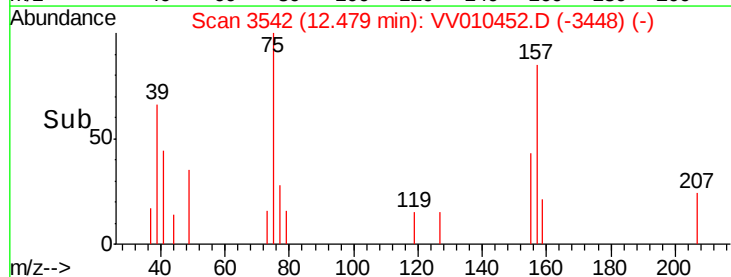
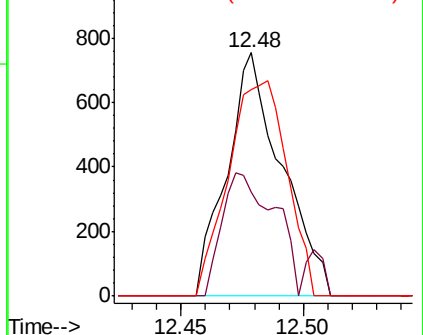
157 85.0 96.7 145.1#

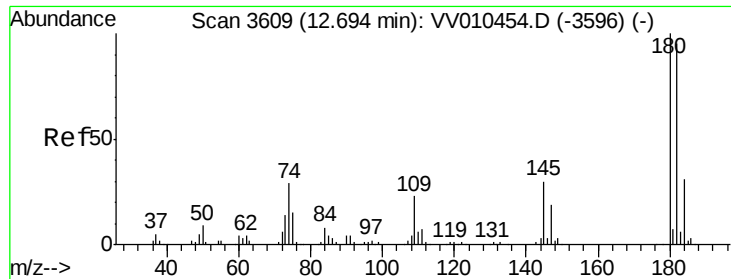


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

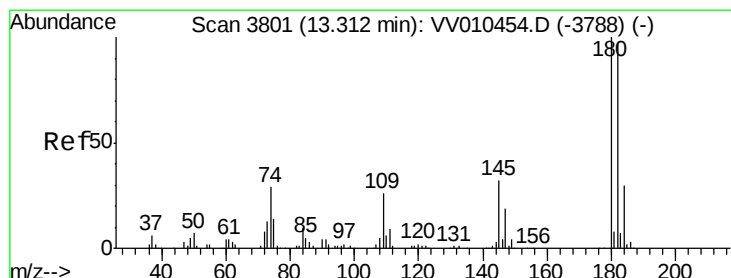
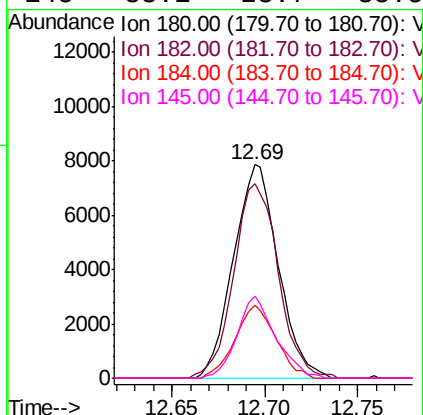
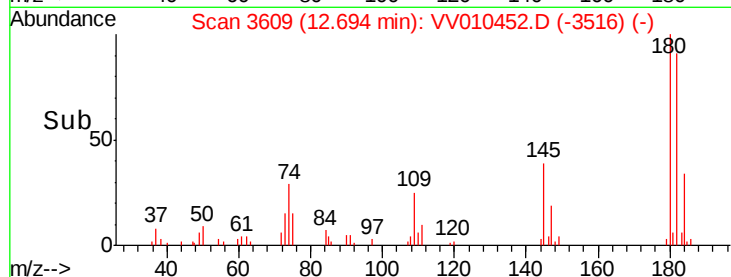
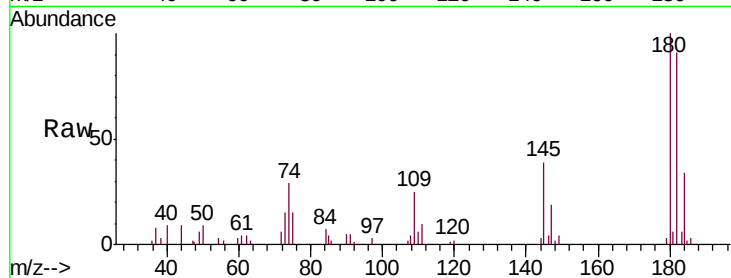




#67
 1,3,5-Trichlorobenzene
 Concen: 0.425 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

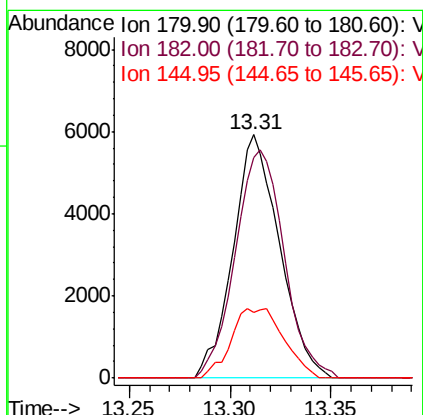
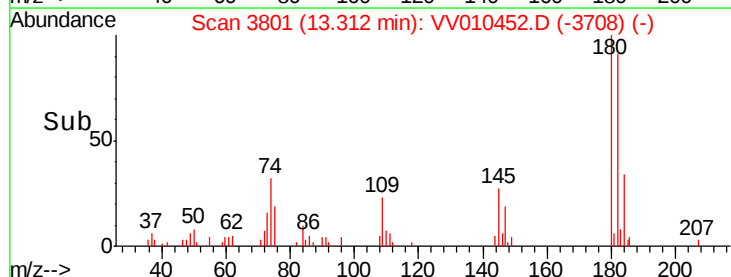
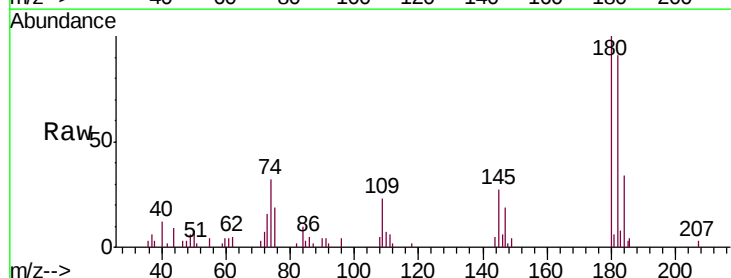
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.533

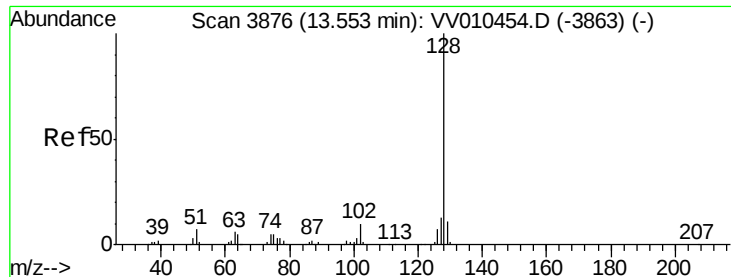
Tgt Ion:	180	Resp:	13197
Ion	Ratio	Lower	Upper
180	100		
182	90.5	74.8	112.2
184	31.2	24.0	36.0
145	33.1	23.7	35.5



#68
 1,2,4-trichlorobenzene
 Concen: 0.429 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010452.D
 Acq: 24 Apr 2019 10:34

Tgt Ion:	180	Resp:	9547
Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.3	114.5
145	32.4	24.5	36.7





#69

Naphthalene

Concen: 0.591 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.533

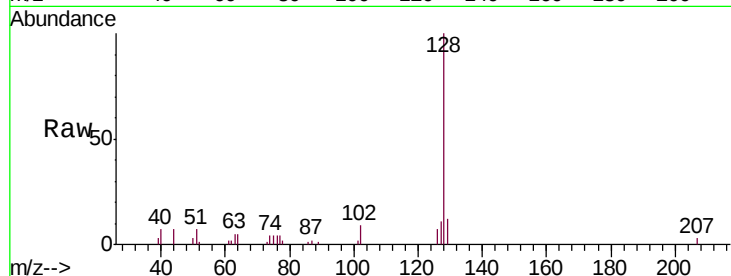
Tgt Ion:128 Resp: 15952

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

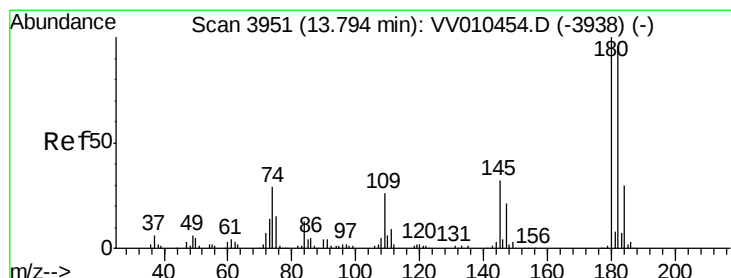
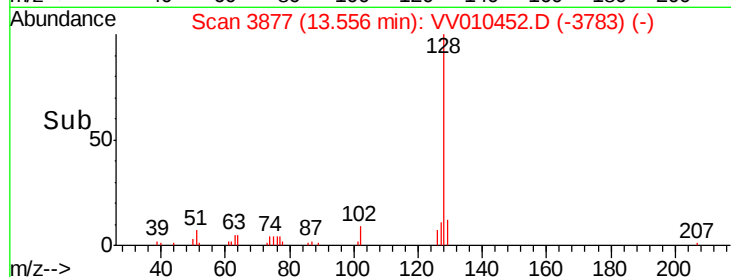
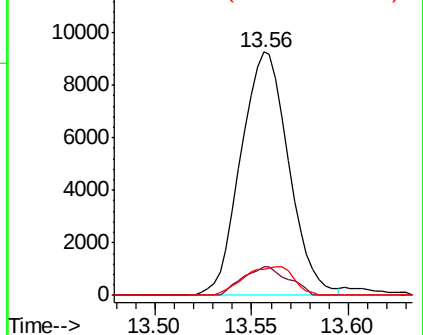
127 12.1 10.3 15.5



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: 0.490 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV010452.D

Acq: 24 Apr 2019 10:34

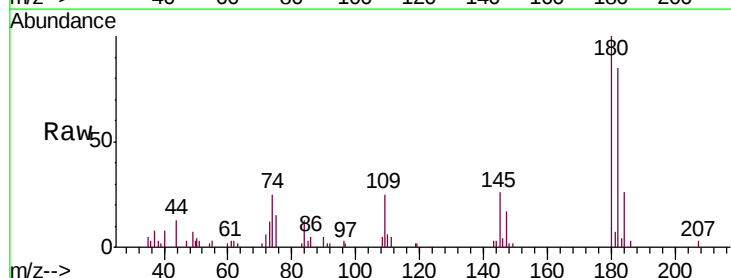
Tgt Ion:180 Resp: 9915

Ion Ratio Lower Upper

180 100

182 93.1 76.9 115.3

145 28.4 25.4 38.0



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

