

Data File : VV010540.D
Acq On : 27 Apr 2019 09:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Quant Time: Apr 29 02:02:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Apr 29 01:58:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	222379	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	219487	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	112586	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55815	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.57	69	36669	6.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.60%
11) 1,1-Dichloroethene-d2	2.13	63	99067	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.94	46	128373	46.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.04%
24) Chloroform-d	4.40	84	140789	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	67896	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.10	84	290311	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.12	67	76803	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	290954	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
43) trans-1,3-Dichloropropene-	7.66	79	28635	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.13	63	118187	47.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	61145	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	117048	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	93841	5.257 ug/L	98
3) Chloromethane	1.26	50	67353	5.691 ug/L	100
5) Vinyl chloride	1.33	62	66849	5.399 ug/L	96
6) Bromomethane	1.51	94	28664	5.347 ug/L	94
8) Chloroethane	1.59	64	31757	6.369 ug/L	95
9) Trichlorofluoromethane	1.76	101	129364	5.331 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	56659	4.707 ug/L	96
12) 1,1-Dichloroethene	2.14	96	51637	4.809 ug/L	92
13) Acetone	2.19	43	63786	45.898 ug/L	95
14) Carbon disulfide	2.31	76	134399	4.958 ug/L	99
15) Methyl Acetate	2.46	43	21773	4.722 ug/L	97
16) Methylene chloride	2.53	84	80557	4.961 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	159548	5.131 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	79551	5.186 ug/L	94
19) 1,1-Dichloroethane	3.23	63	132982	5.257 ug/L	96
21) 2-Butanone	4.02	43	138784	48.316 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	87730	5.298 ug/L	95

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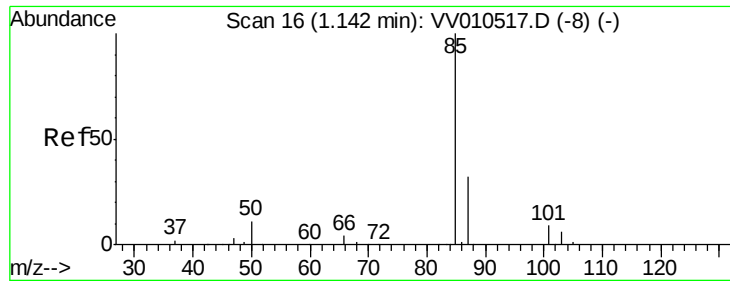
Quant Time: Apr 29 02:02:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	40645	5.251	ug/L	93
25) Chloroform	4.43	83	164002	5.716	ug/L	100
27) 1,2-Dichloroethane	5.18	62	84039	5.144	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	140969	5.484	ug/L	100
30) Cyclohexane	4.72	56	100167	5.376	ug/L	99
31) Carbon tetrachloride	4.87	117	131065	5.332	ug/L	98
33) Benzene	5.15	78	304675	5.365	ug/L	100
34) Trichloroethene	5.96	95	89109	5.391	ug/L	96
35) Methylcyclohexane	6.18	83	111430	5.195	ug/L	95
37) 1,2-Dichloropropane	6.22	63	66171	5.055	ug/L #	96
38) Bromodichloromethane	6.55	83	98309	5.230	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	93342	4.938	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	353093	50.856	ug/L	99
42) Toluene	7.43	91	343996	5.519	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	74768	5.031	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	57613	5.191	ug/L	97
47) Tetrachloroethene	8.02	164	86845	5.625	ug/L	98
48) 2-Hexanone	8.18	43	251734	51.965	ug/L	96
49) Dibromochloromethane	8.29	129	73366	5.376	ug/L	98
50) 1,2-Dibromoethane	8.40	107	54508	5.317	ug/L	97
51) Chlorobenzene	8.93	112	241908	5.528	ug/L	98
52) Ethylbenzene	9.05	91	369066	5.619	ug/L	100
53) m,p-xylene	9.18	106	150222	5.823	ug/L	97
54) o-xylene	9.59	106	145119	5.753	ug/L	97
55) Styrene	9.60	104	244318	5.856	ug/L	100
56) Isopropylbenzene	9.97	105	360353	5.450	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	61351	5.068	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	43062	5.136	ug/L	100
61) Bromoform	9.77	173	38462	5.256	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	190941	5.498	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	189360	5.317	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	189069	5.528	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8526	4.513	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	155201	5.329	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	114988	5.174	ug/L	99
69) Naphthalene	13.55	128	156755	4.742	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	113233	5.122	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 5.257 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

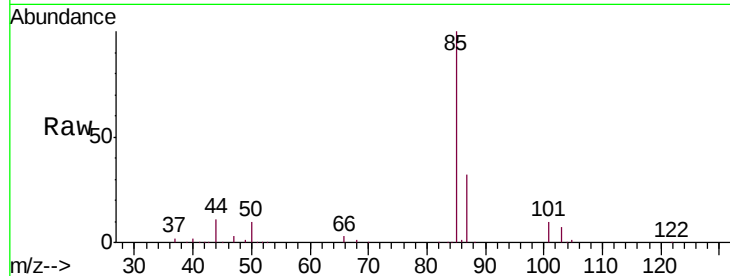
VSTD00550

Tgt Ion: 85 Resp: 93841

Ion Ratio Lower Upper

85 100

87 31.2 24.1 36.1



Abundance Ion 85.00 (84.70 to 85.70): VV010517.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010517.D (-8) (-)

1.14

80000

60000

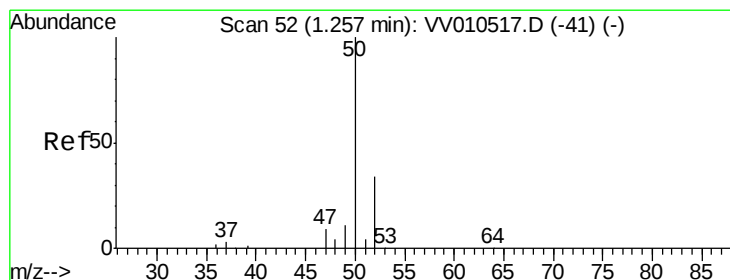
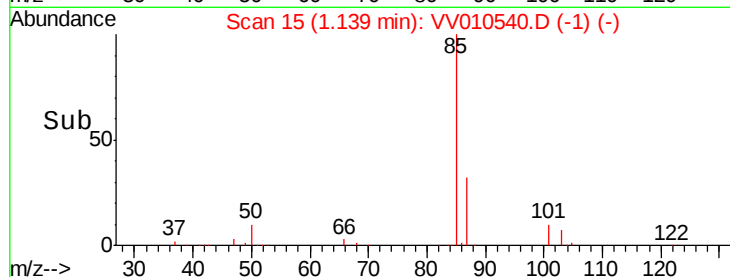
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.691 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV010540.D

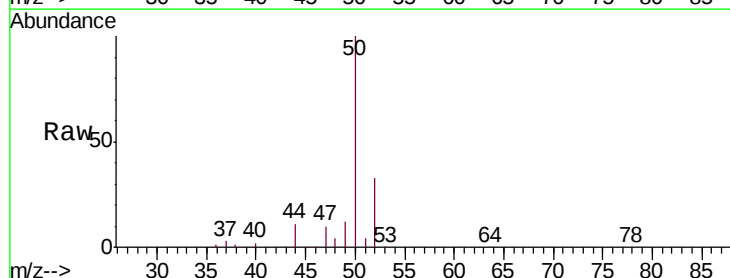
Acq: 27 Apr 2019 09:51

Tgt Ion: 50 Resp: 67353

Ion Ratio Lower Upper

50 100

52 33.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV010517.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV010517.D (-41) (-)

1.26

60000

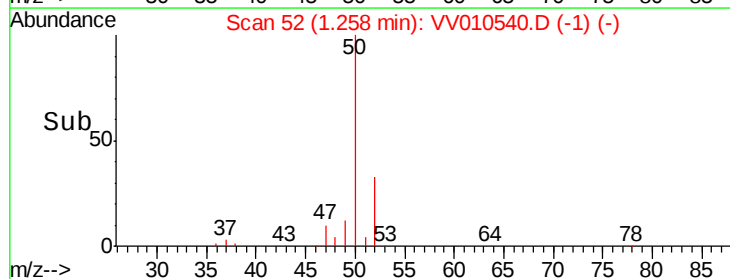
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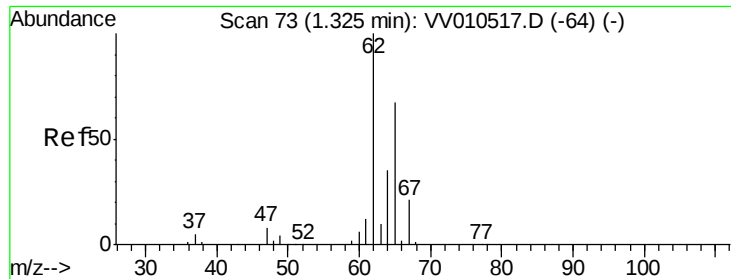
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.399 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

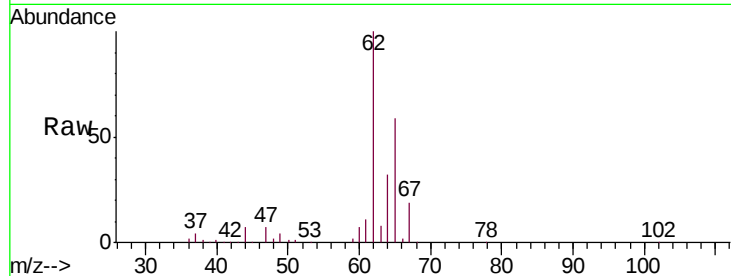
VSTD00550

Tgt Ion: 62 Resp: 66849

Ion Ratio Lower Upper

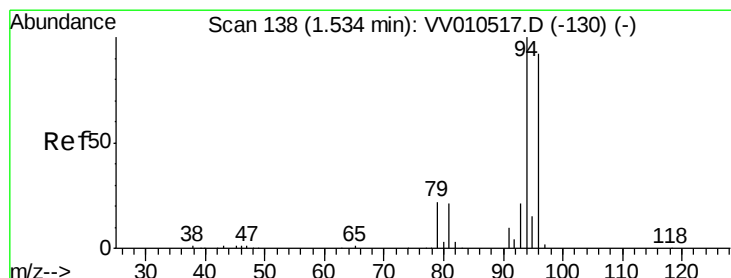
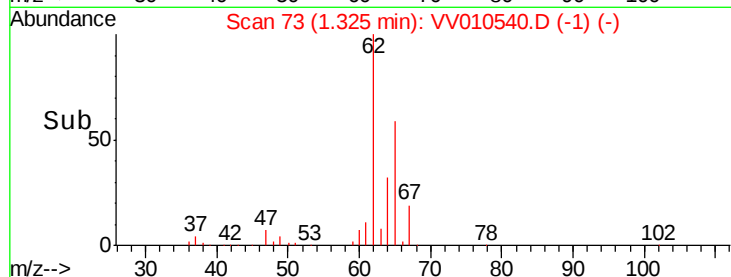
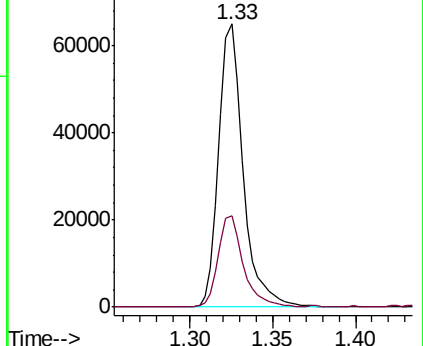
62 100

64 32.1 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.347 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

Lab File: VV010540.D

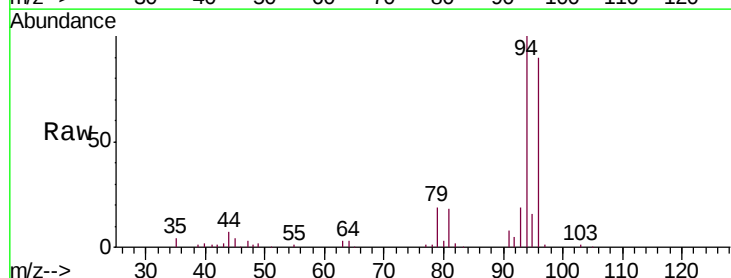
Acq: 27 Apr 2019 09:51

Tgt Ion: 94 Resp: 28664

Ion Ratio Lower Upper

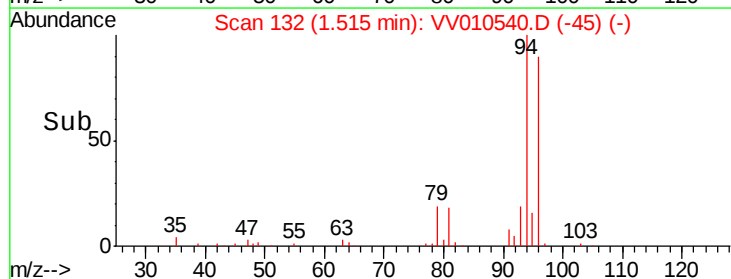
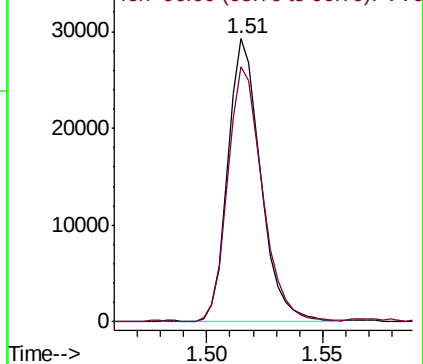
94 100

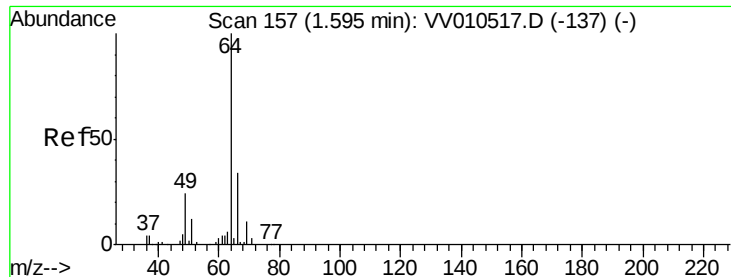
96 90.2 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 6.369 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

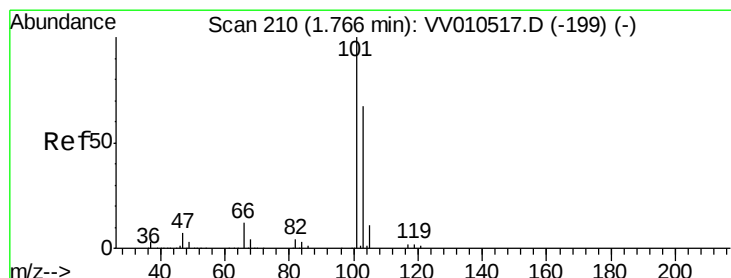
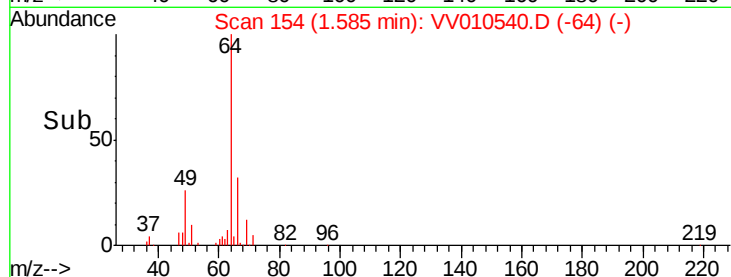
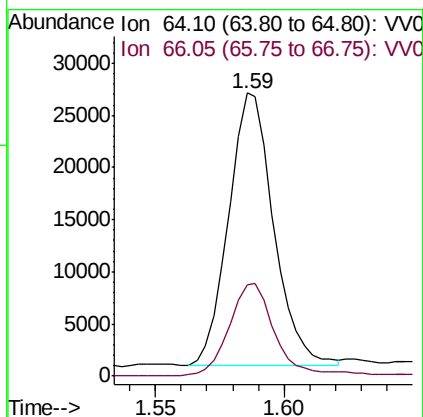
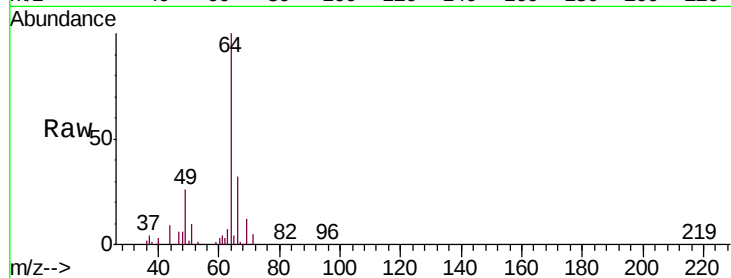
VSTD00550

Tgt Ion: 64 Resp: 31757

Ion Ratio Lower Upper

64 100

66 32.2 20.7 38.5



#9

Trichlorofluoromethane

Concen: 5.331 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010540.D

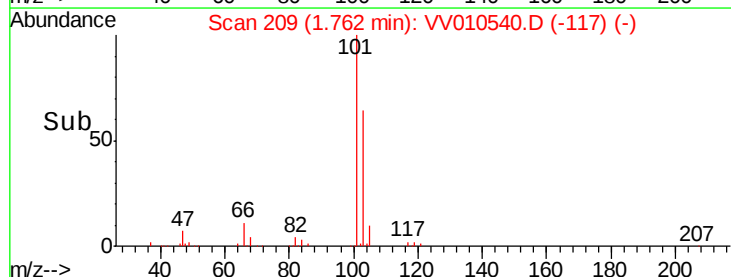
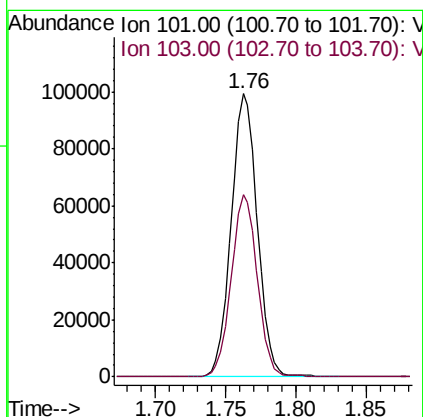
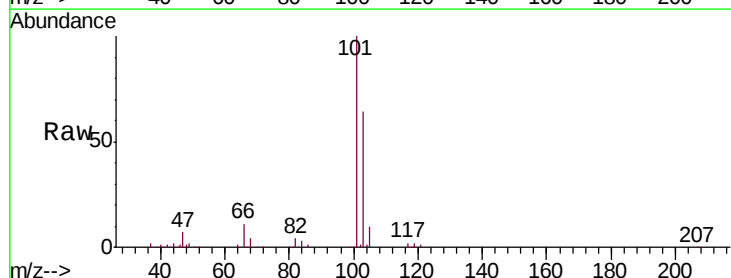
Acq: 27 Apr 2019 09:51

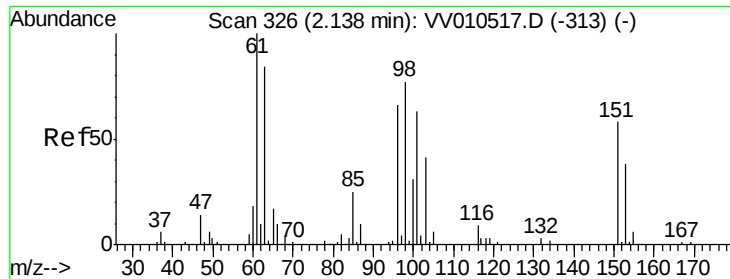
Tgt Ion: 101 Resp: 129364

Ion Ratio Lower Upper

101 100

103 64.2 50.5 75.7





#10

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

Concen: 4.707 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

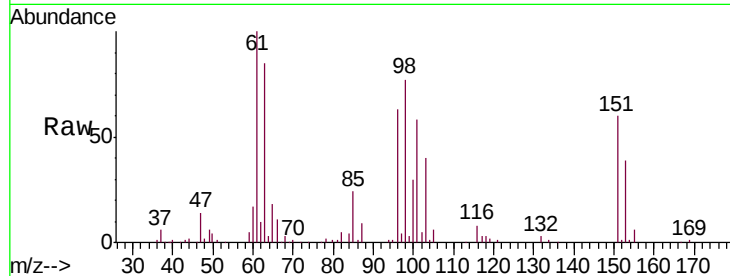
Tgt Ion:101 Resp: 56659

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

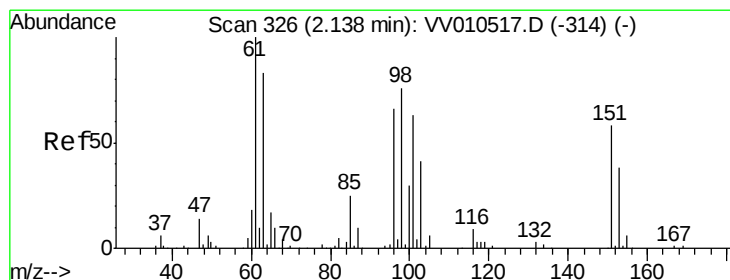
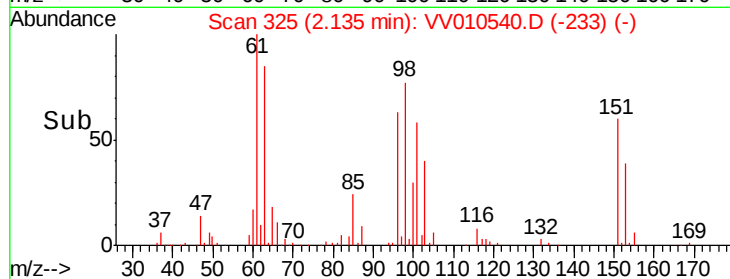
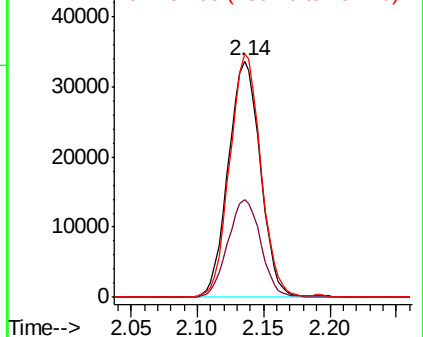
151 99.7 75.2 112.8



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: 4.809 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

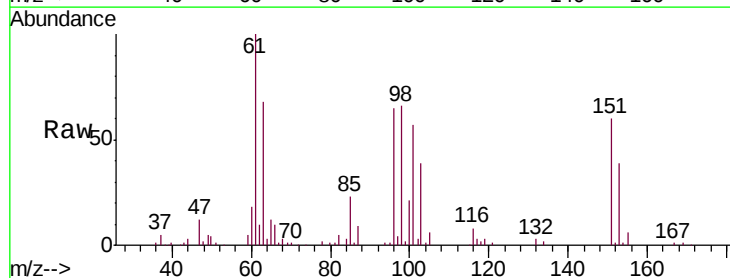
Tgt Ion: 96 Resp: 51637

Ion Ratio Lower Upper

96 100

61 153.6 101.2 188.0

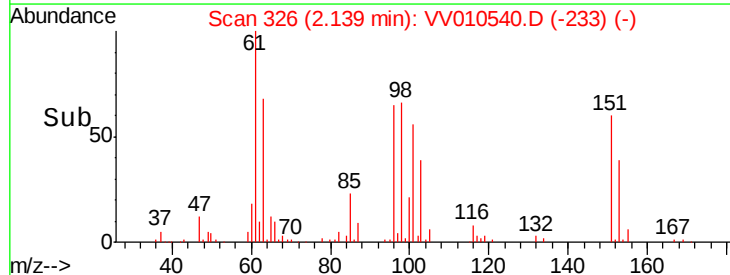
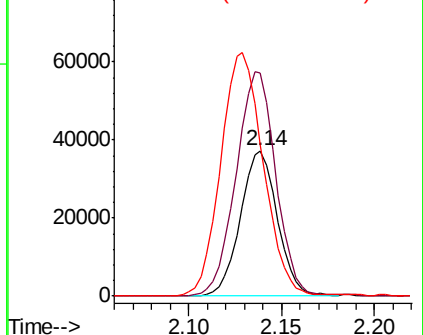
63 104.1 79.2 147.0

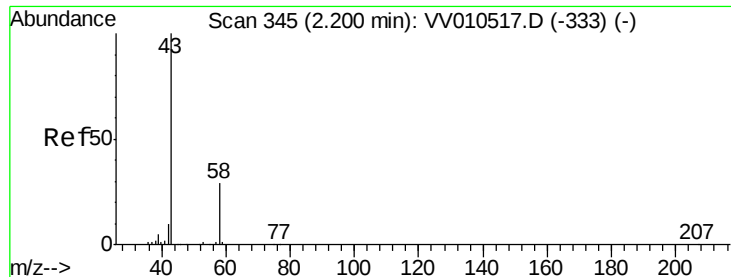


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.898 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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MSVOA_V

ClientSampleId :

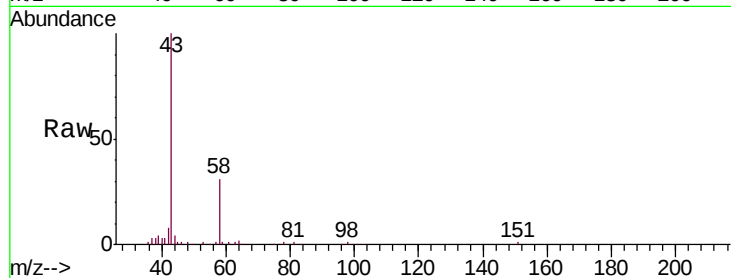
VSTD00550

Tgt Ion: 43 Resp: 63786

Ion Ratio Lower Upper

43 100

58 31.2 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV010517.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV010517.D (-333) (-)

2.19

40000

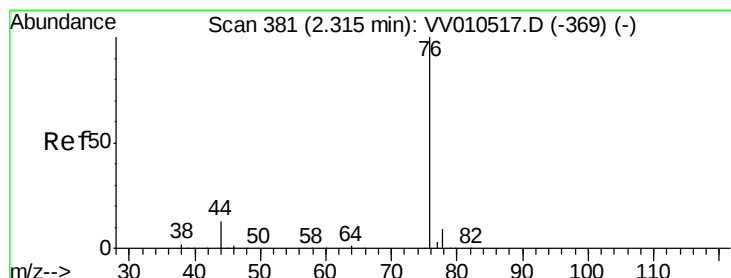
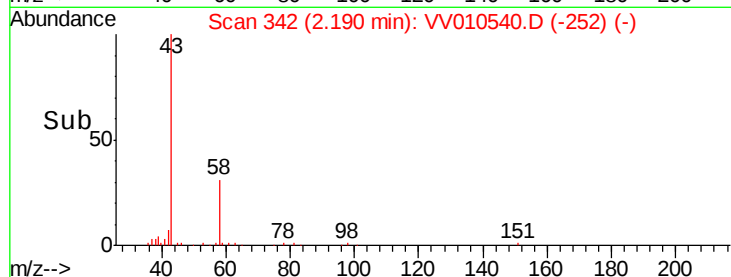
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.958 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010540.D

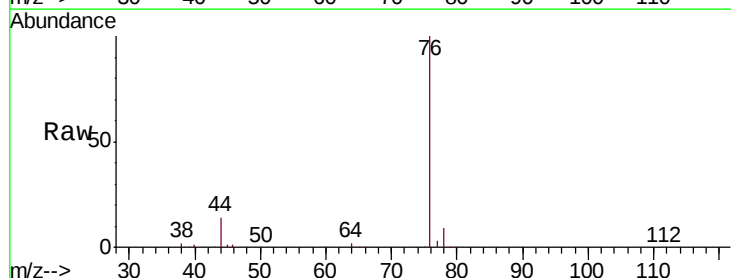
Acq: 27 Apr 2019 09:51

Tgt Ion: 76 Resp: 134399

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VV010517.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010517.D (-369) (-)

2.31

100000

80000

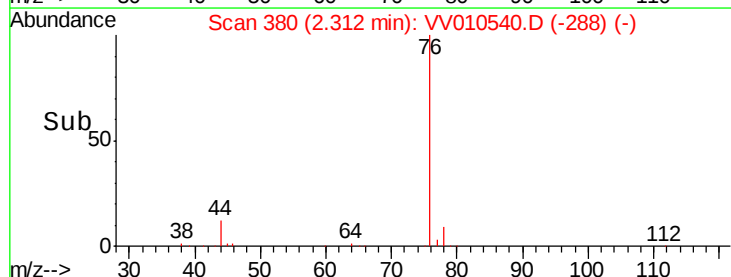
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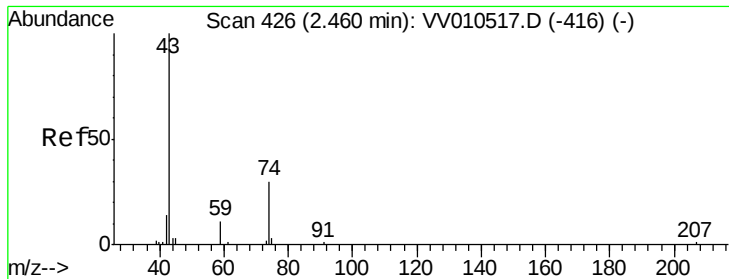
40000

20000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 4.722 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampled :

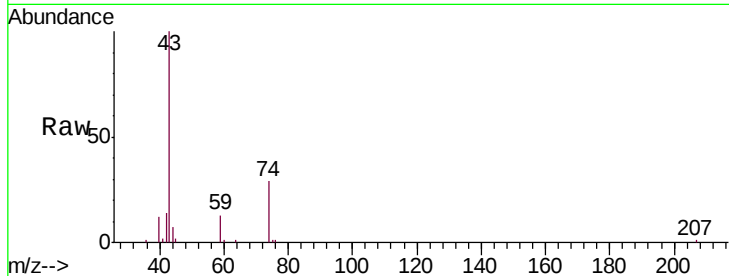
VSTD00550

Tgt Ion: 43 Resp: 21773

Ion Ratio Lower Upper

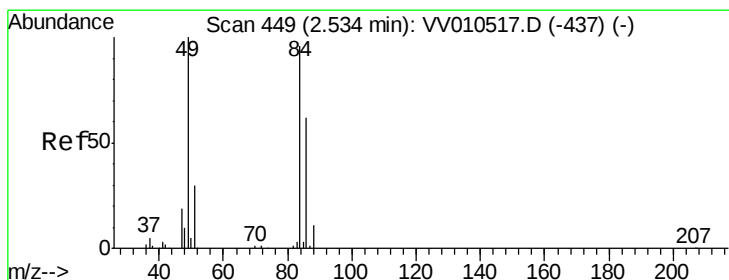
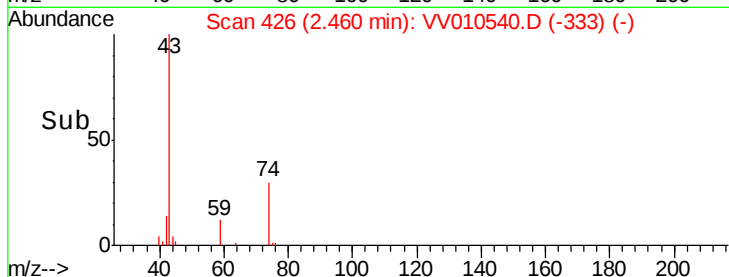
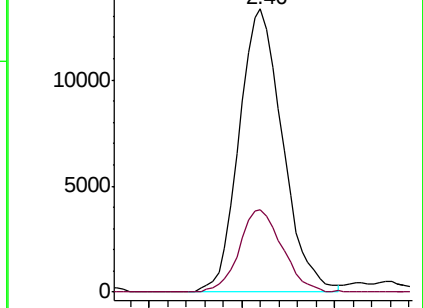
43 100

74 28.6 24.2 36.2



Abundance Ion 43.05 (42.75 to 43.75): VV010517.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV010517.D (-416) (-)



#16

Methylene chloride

Concen: 4.961 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

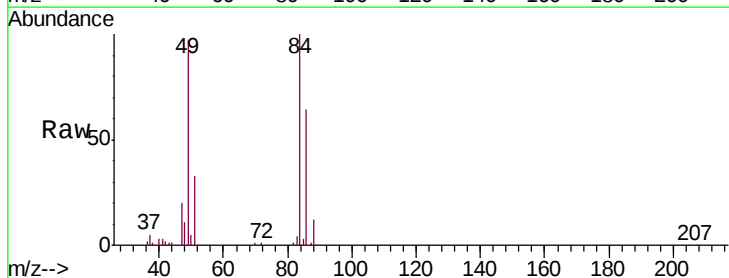
Tgt Ion: 84 Resp: 80557

Ion Ratio Lower Upper

84 100

86 64.1 43.7 81.1

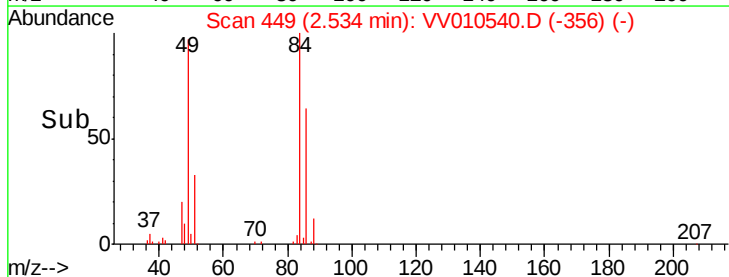
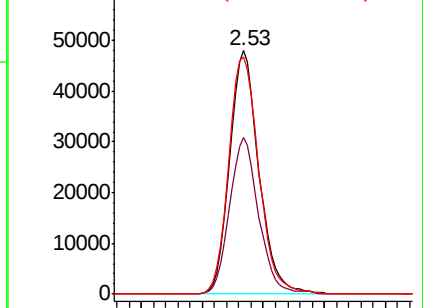
49 97.4 71.4 132.6

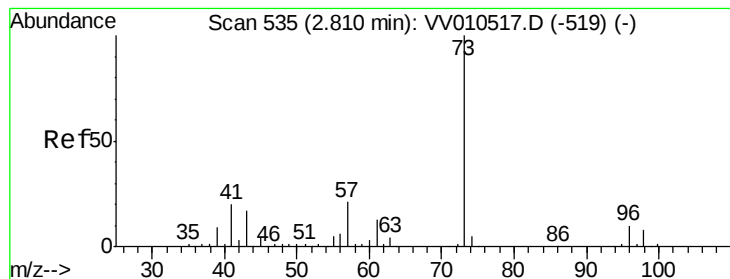


Abundance Ion 84.05 (83.75 to 84.75): VV010517.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV010517.D (-437) (-)

Ion 49.10 (48.80 to 49.80): VV010517.D (-437) (-)





#17

Methyl tert-butyl Ether

Concen: 5.131 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

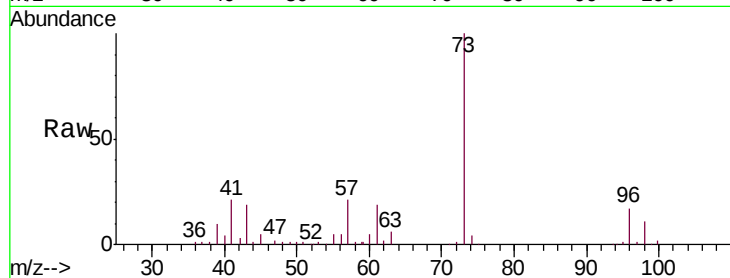
Tgt Ion: 73 Resp: 159548

Ion Ratio Lower Upper

73 100

43 18.3 15.4 23.0

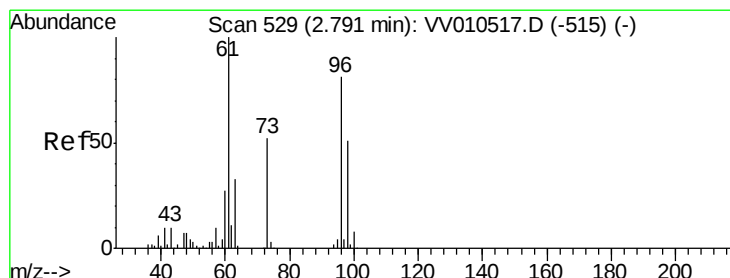
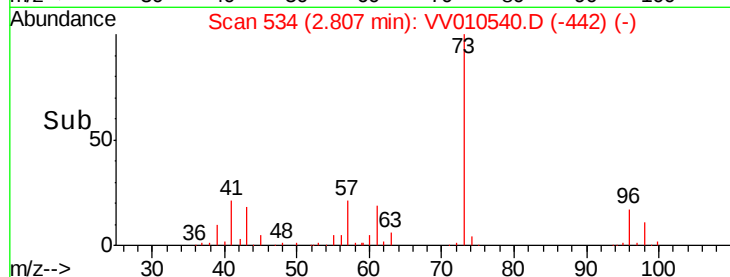
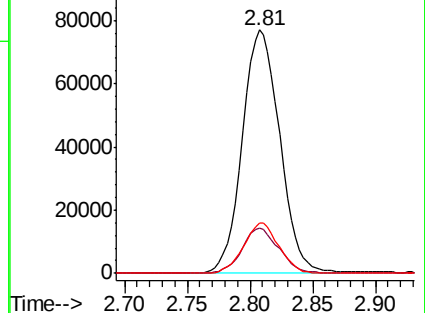
57 19.7 16.0 24.0



Abundance Ion 73.10 (72.80 to 73.80): VV010517.D (-519) (-)

Ion 43.05 (42.75 to 43.75): VV010517.D (-519) (-)

Ion 57.10 (56.80 to 57.80): VV010517.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.186 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

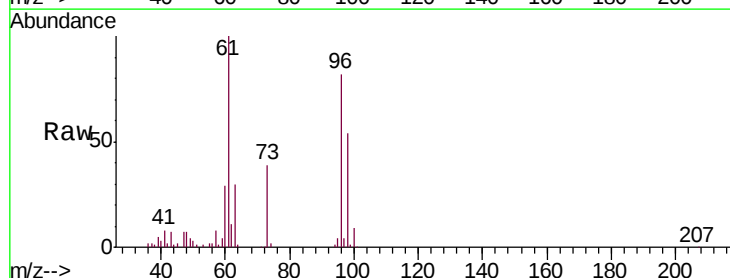
Tgt Ion: 96 Resp: 79551

Ion Ratio Lower Upper

96 100

61 121.5 80.2 148.9

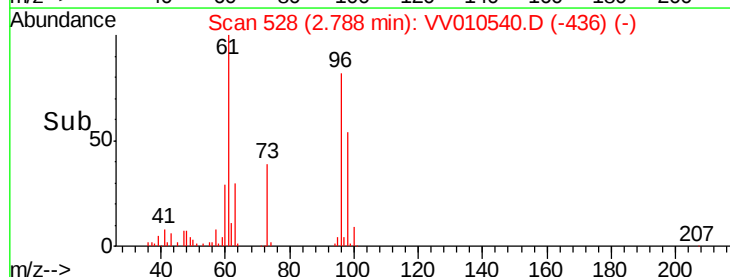
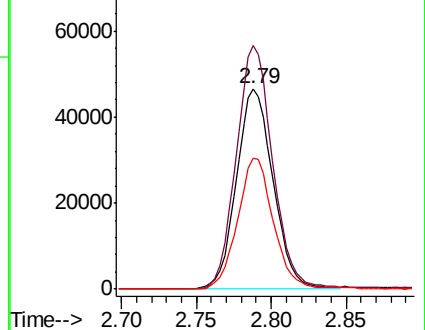
98 65.6 43.3 80.3

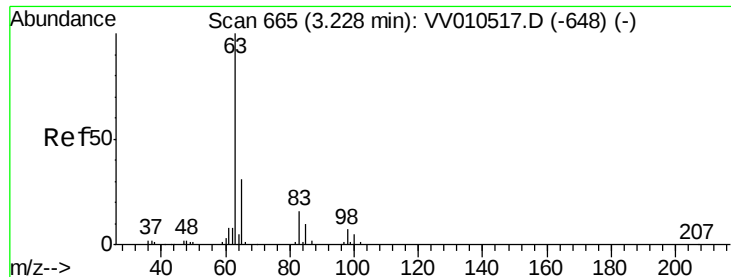


Abundance Ion 96.00 (95.70 to 96.70): VV010517.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV010517.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV010517.D (-515) (-)

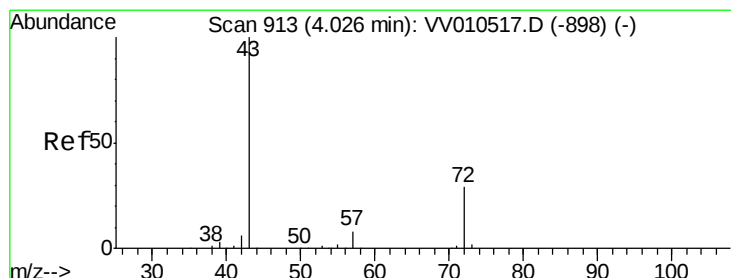
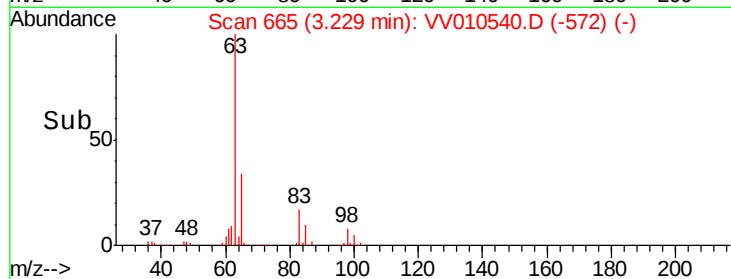
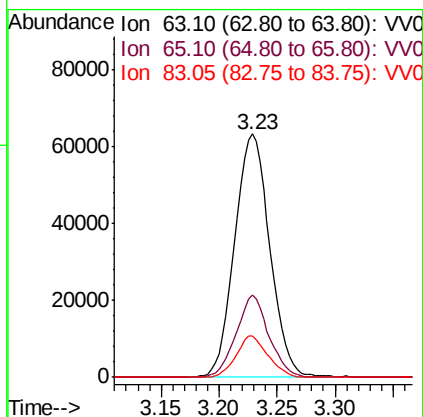
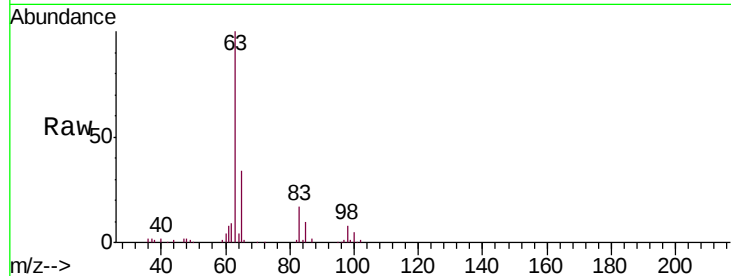




#19
 1,1-Dichloroethane
 Concen: 5.257 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

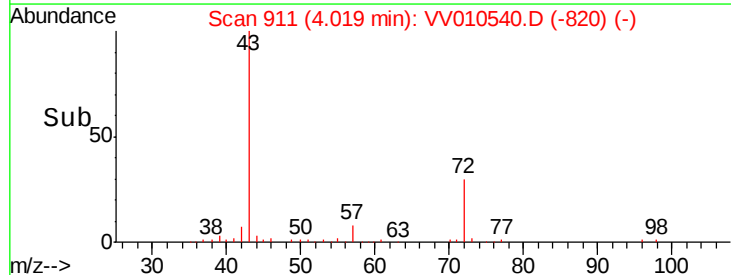
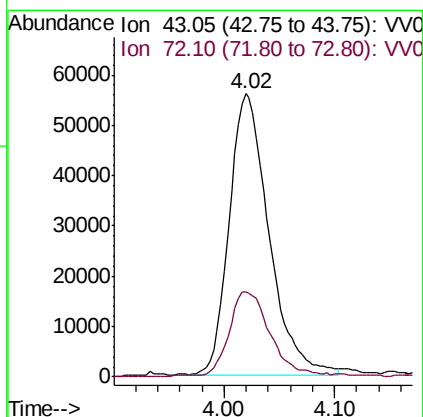
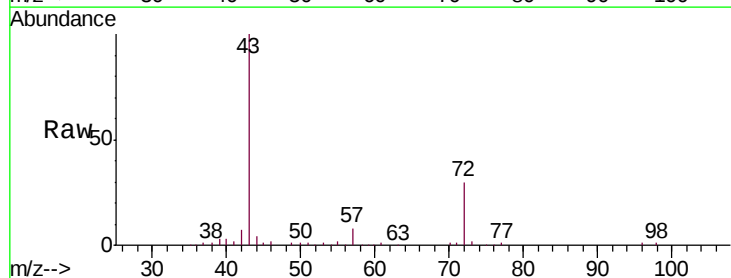
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

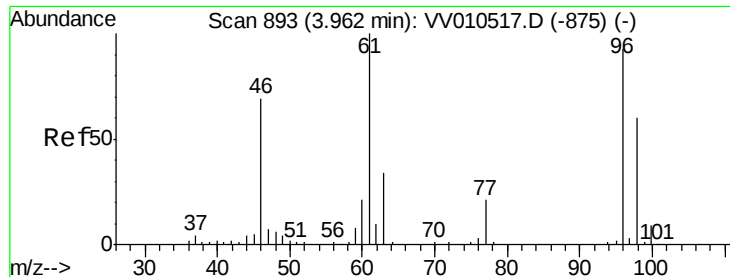
Tgt Ion: 63 Resp: 132982
 Ion Ratio Lower Upper
 63 100
 65 33.7 22.6 42.0
 83 16.8 9.8 18.2



#21
 2-Butanone
 Concen: 48.316 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Tgt Ion: 43 Resp: 138784
 Ion Ratio Lower Upper
 43 100
 72 30.5 14.6 43.8



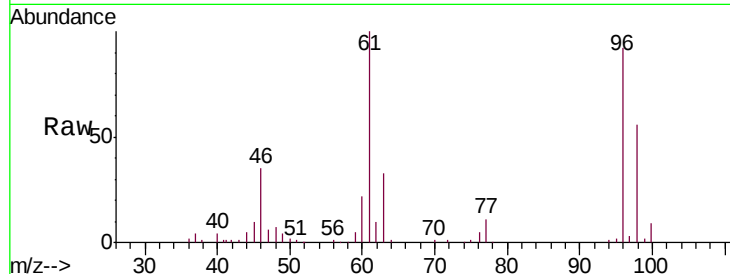


#22

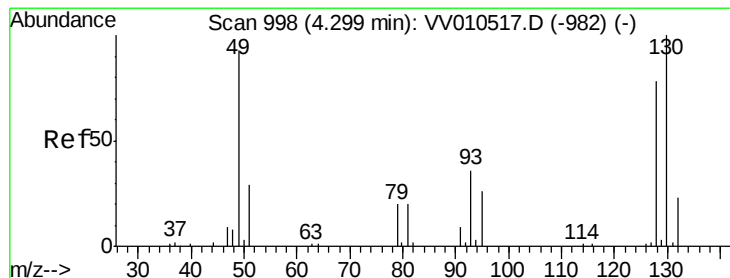
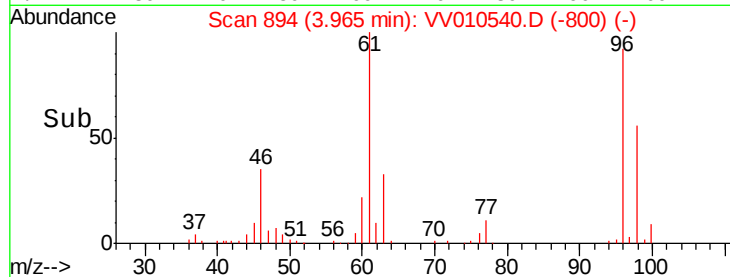
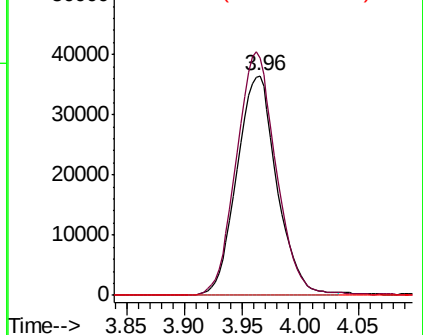
cis-1,2-Dichloroethene
 Concen: 5.298 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00550

Tgt Ion: 96 Resp: 87730
 Ion Ratio Lower Upper
 96 100
 61 108.2 79.9 148.3
 68 0.0 0.0 0.0



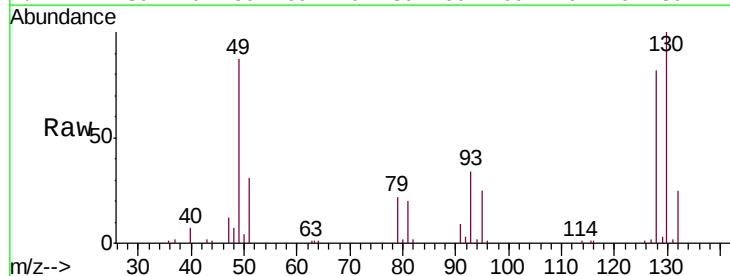
Abundance Ion 96.00 (95.70 to 96.70): VV010540.D (-800) (-)
 Ion 61.05 (60.75 to 61.75): VV010540.D (-800) (-)
 Ion 68.15 (67.85 to 68.85): VV010540.D (-800) (-)



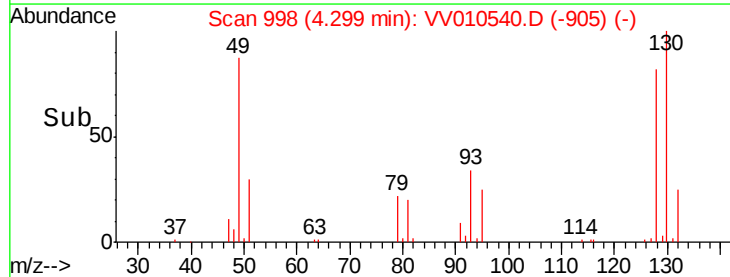
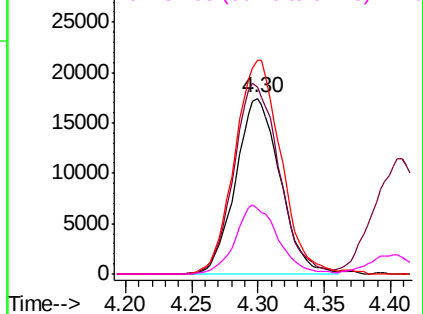
#23

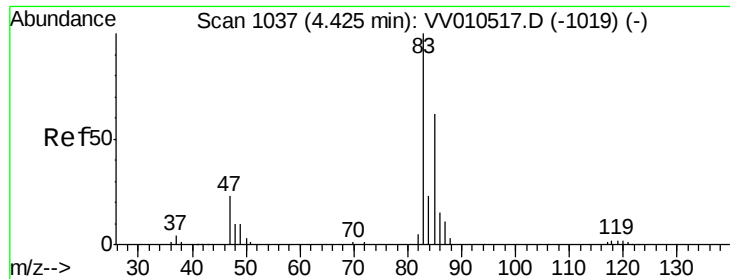
Bromochloromethane
 Concen: 5.251 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Tgt Ion: 128 Resp: 40645
 Ion Ratio Lower Upper
 128 100
 49 106.2 82.3 152.9
 130 121.4 89.8 166.8
 51 37.2 29.0 43.6



Abundance Ion 127.90 (127.60 to 128.60): VV010540.D (-905) (-)
 Ion 49.10 (48.80 to 49.80): VV010540.D (-905) (-)
 Ion 129.95 (129.65 to 130.65): VV010540.D (-905) (-)
 Ion 51.05 (50.75 to 51.75): VV010540.D (-905) (-)

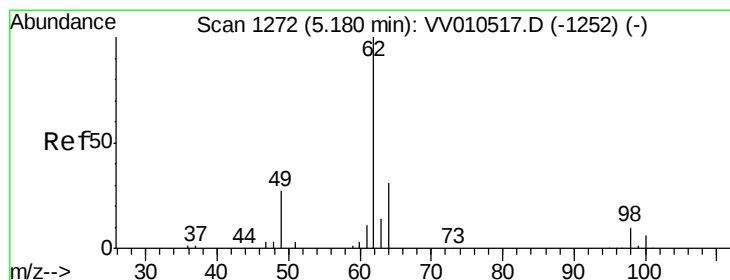
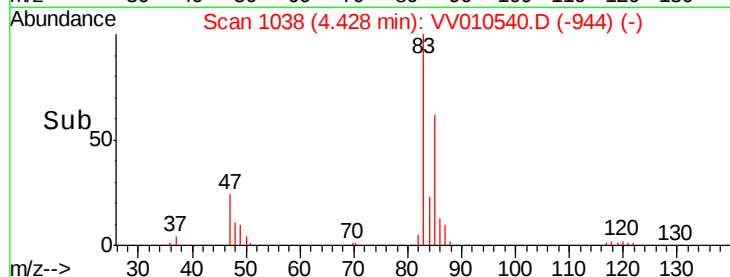
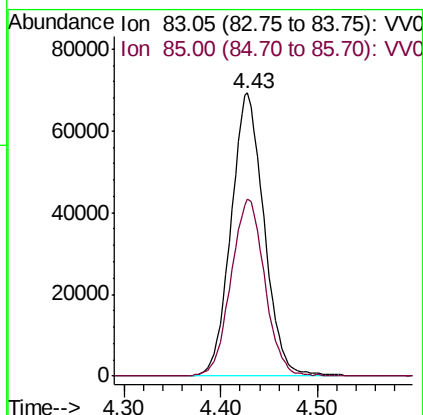
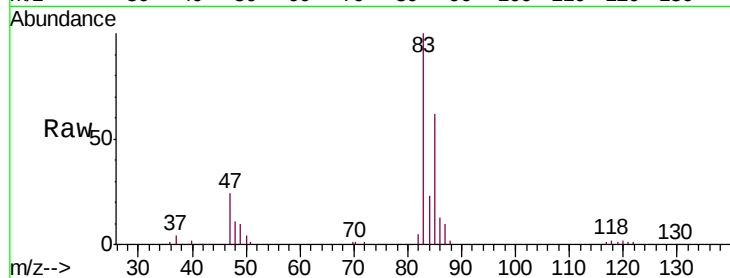




#25
Chloroform
Concen: 5.716 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010540.D
Acq: 27 Apr 2019 09:51

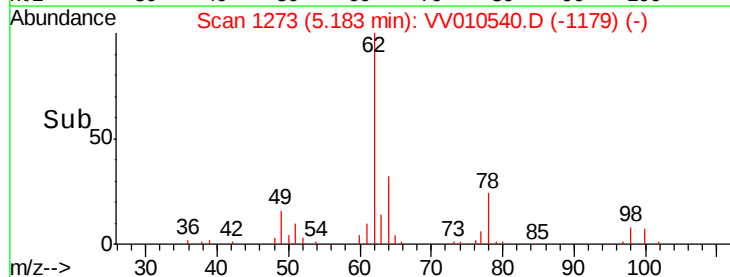
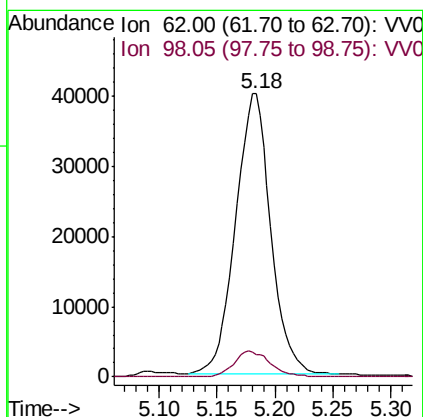
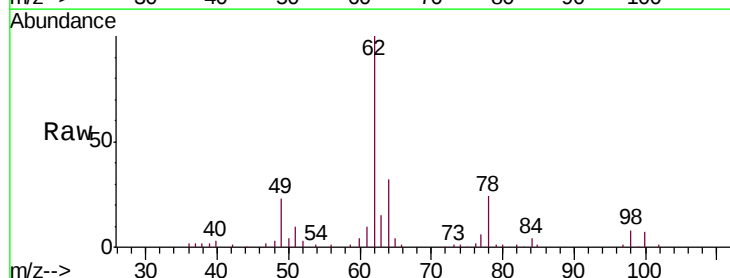
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

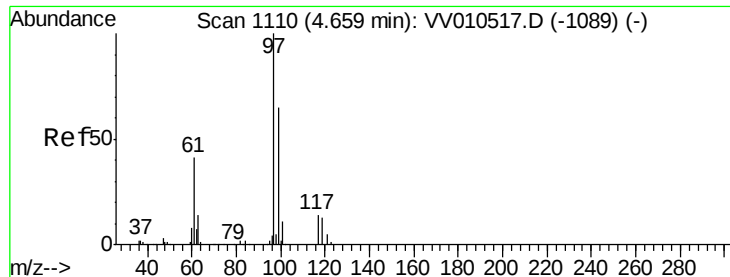
Tgt Ion: 83 Resp: 164002
Ion Ratio Lower Upper
83 100
85 62.4 43.6 81.0



#27
1,2-Dichloroethane
Concen: 5.144 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010540.D
Acq: 27 Apr 2019 09:51

Tgt Ion: 62 Resp: 84039
Ion Ratio Lower Upper
62 100
98 8.0 7.6 11.4

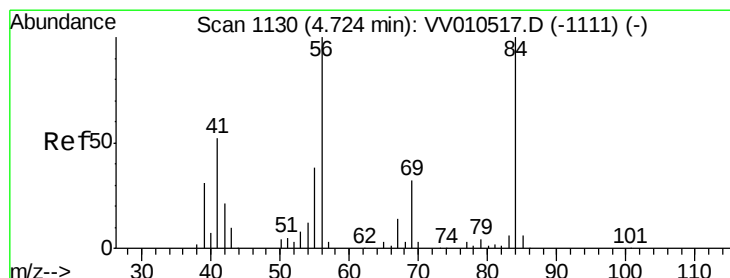
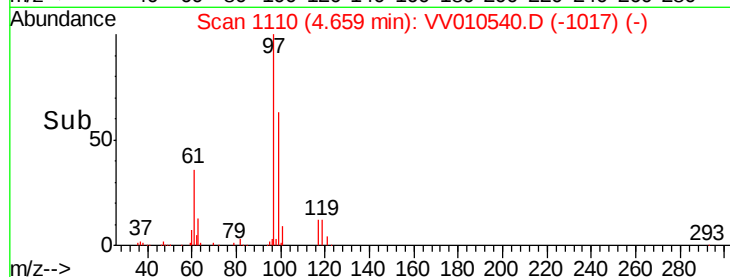
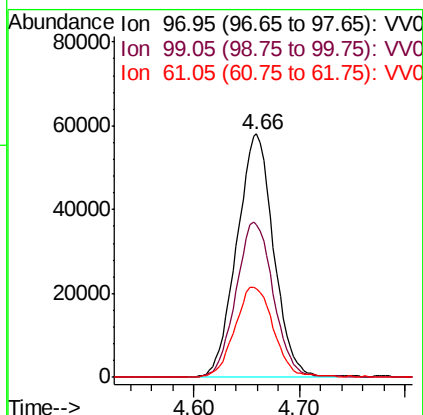
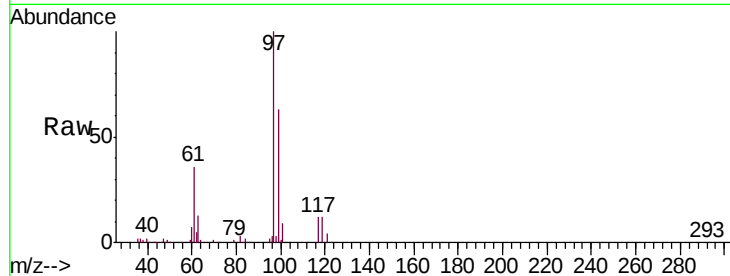




#29
 1,1,1-Trichloroethane
 Concen: 5.484 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

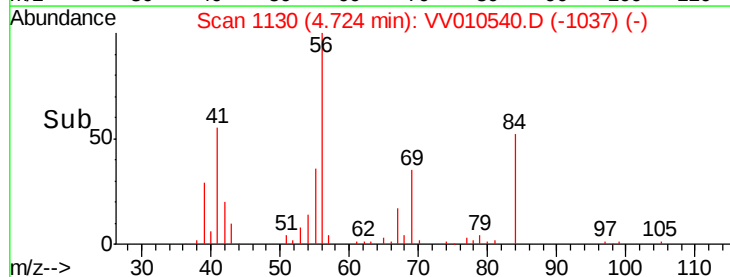
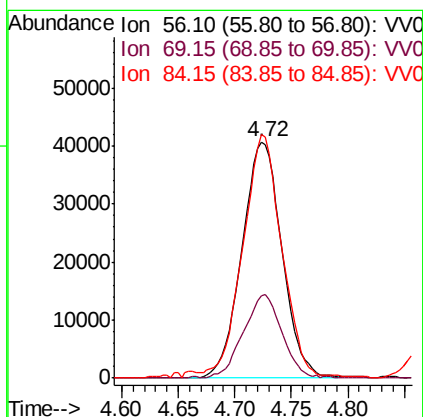
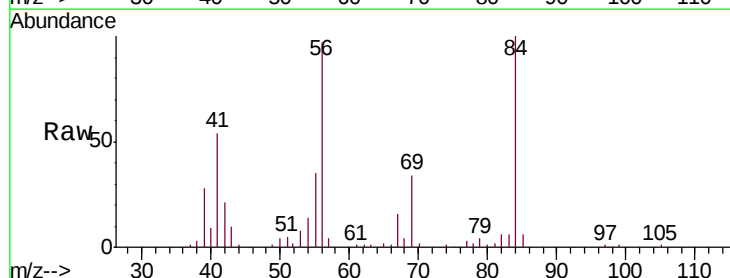
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

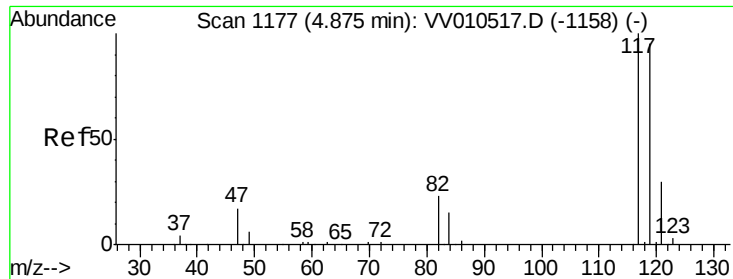
Tgt Ion: 97 Resp: 140969
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.8 77.6
 61 39.1 31.6 47.4



#30
 Cyclohexane
 Concen: 5.376 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Tgt Ion: 56 Resp: 100167
 Ion Ratio Lower Upper
 56 100
 69 34.1 27.1 40.7
 84 99.0 80.4 120.6





#31

Carbon tetrachloride

Concen: 5.332 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

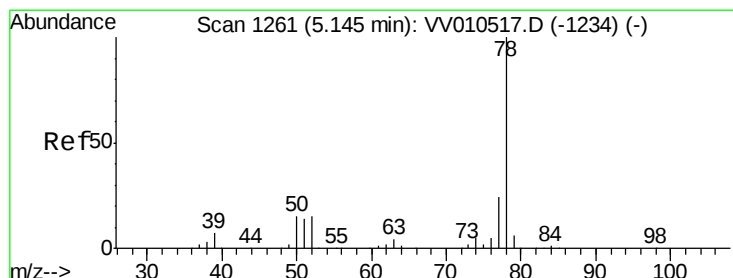
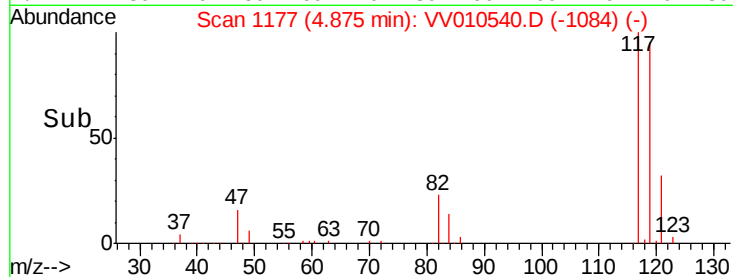
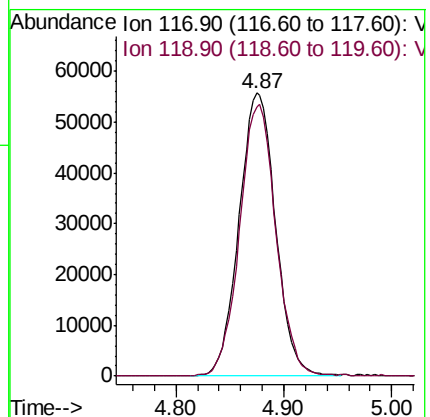
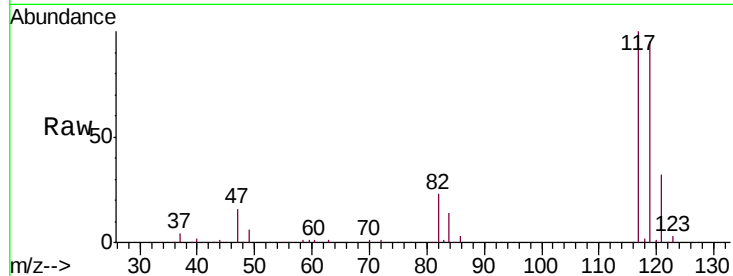
VSTD00550

Tgt Ion:117 Resp: 131065

Ion Ratio Lower Upper

117 100

119 95.5 77.8 116.6



#33

Benzene

Concen: 5.365 ug/L

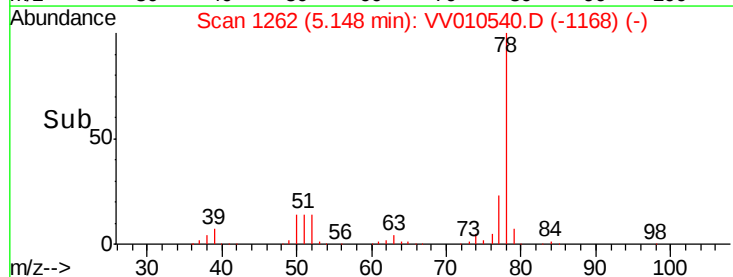
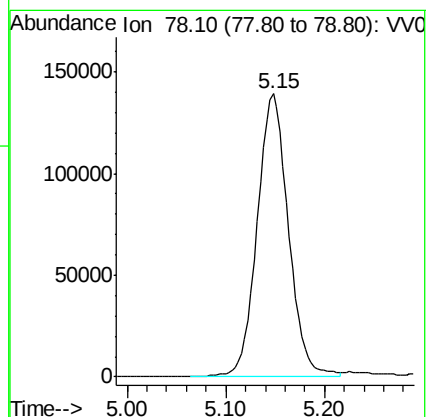
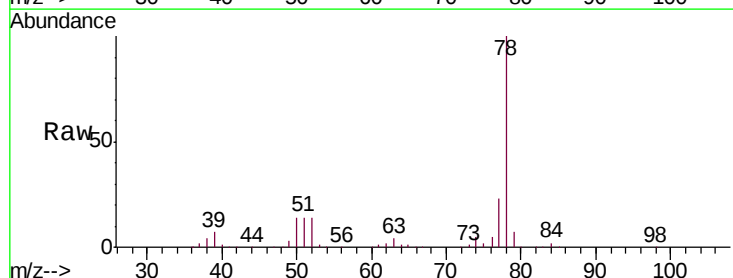
RT: 5.15 min Scan# 1262

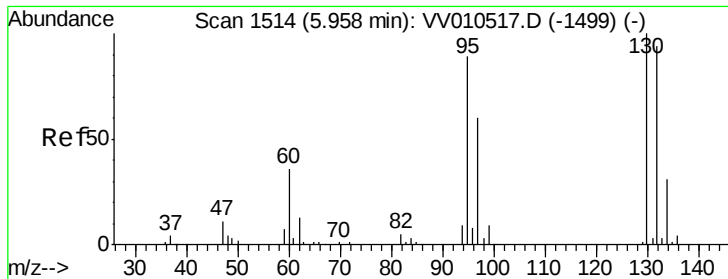
Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Tgt Ion: 78 Resp: 304675





#34

Trichloroethene

Concen: 5.391 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 89109

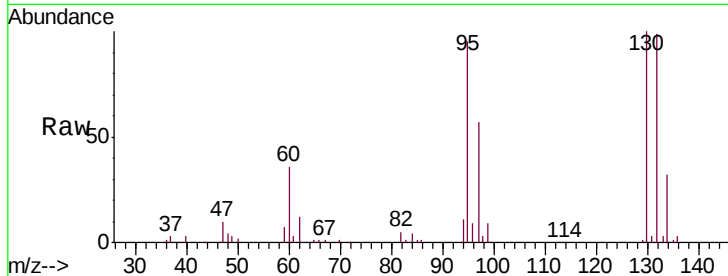
Ion Ratio Lower Upper

95 100

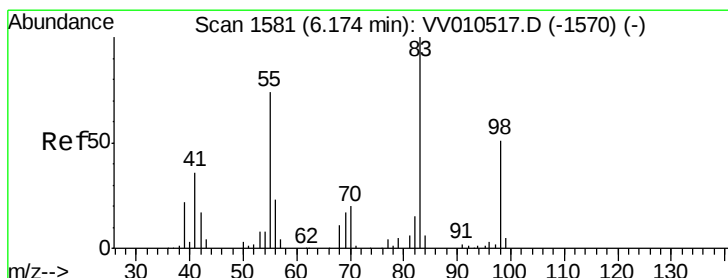
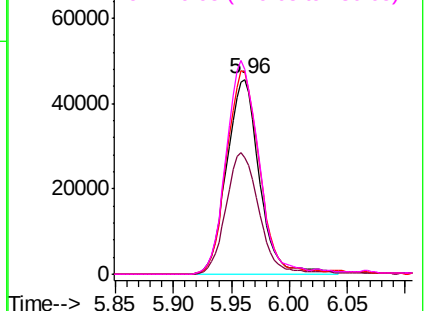
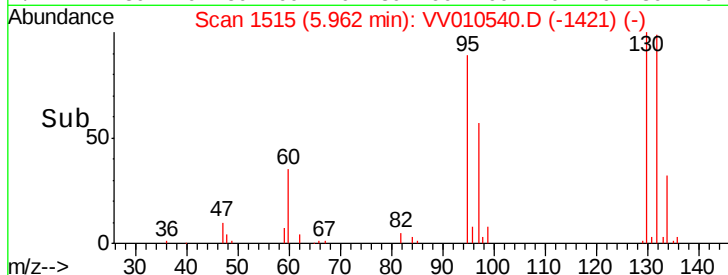
97 60.0 43.3 80.5

132 103.8 74.1 137.5

130 105.1 79.5 147.6



Abundance Ion 95.00 (94.70 to 95.70): VV010540.D (-1421) (-)



#35

Methylcyclohexane

Concen: 5.195 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

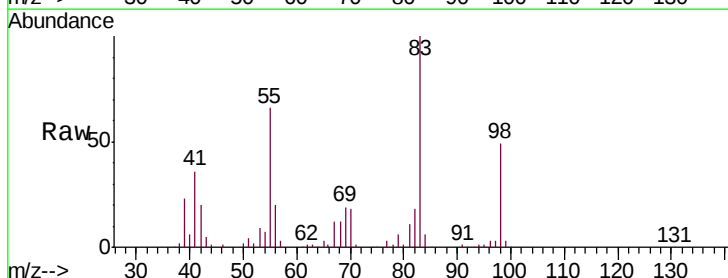
Tgt Ion: 83 Resp: 111430

Ion Ratio Lower Upper

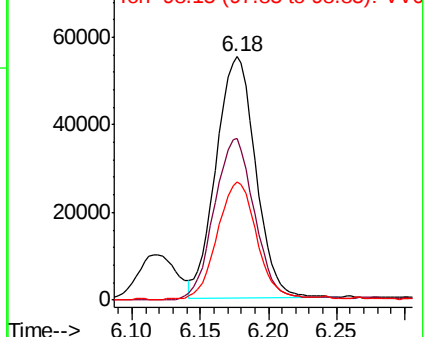
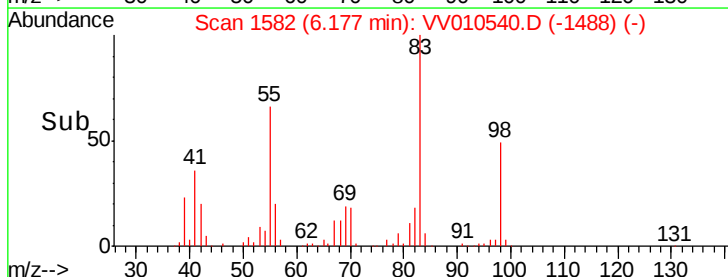
83 100

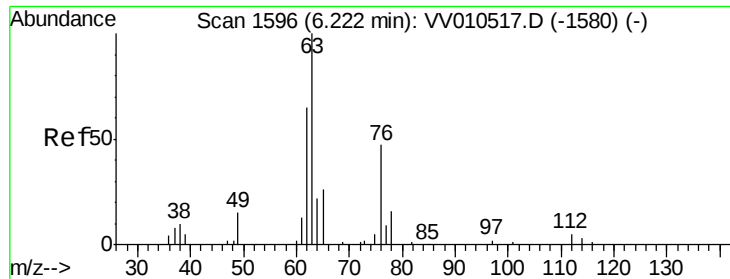
55 67.6 58.0 87.0

98 48.4 40.4 60.6



Abundance Ion 83.15 (82.85 to 83.85): VV010540.D (-1488) (-)

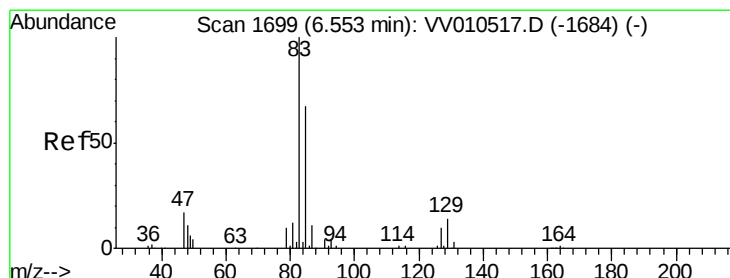
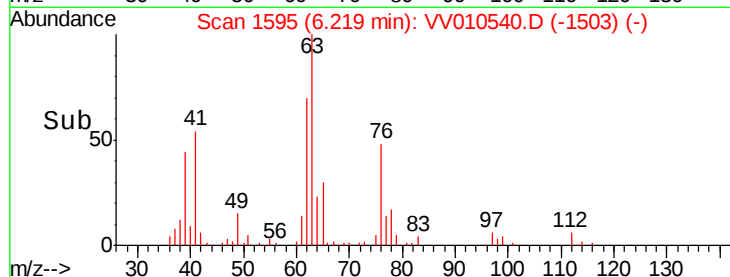
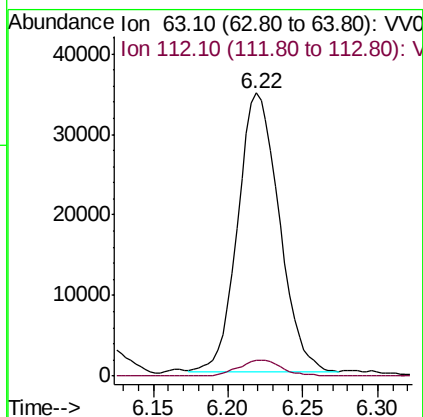
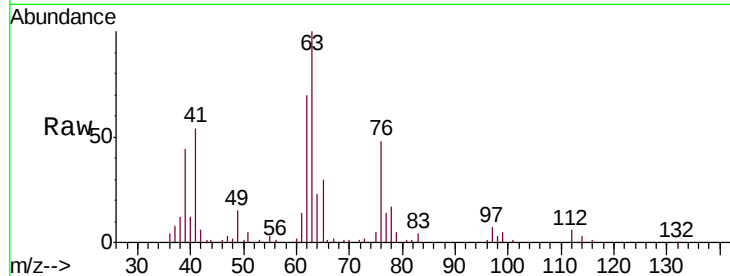




#37
 1,2-Dichloropropane
 Concen: 5.055 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

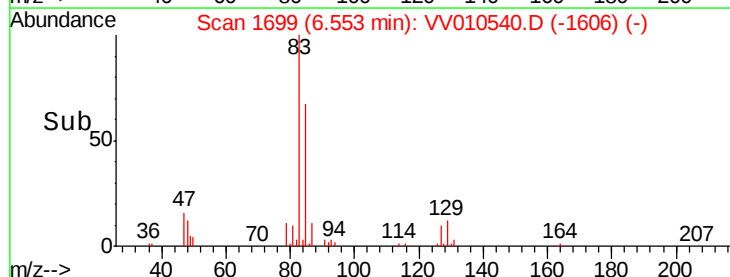
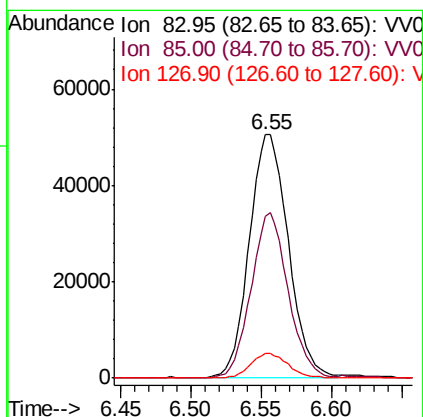
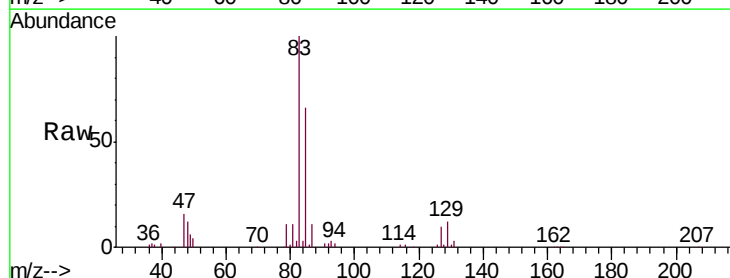
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

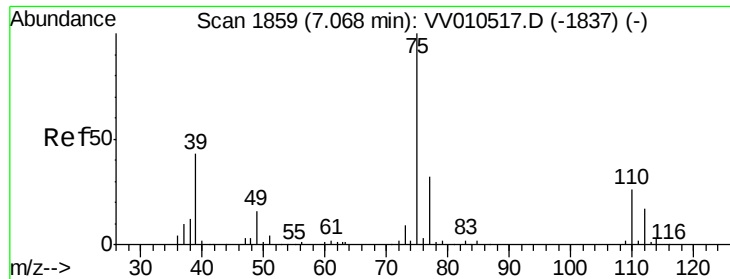
Tgt Ion: 63 Resp: 66171
 Ion Ratio Lower Upper
 63 100
 112 6.0 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 5.230 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Tgt Ion: 83 Resp: 98309
 Ion Ratio Lower Upper
 83 100
 85 66.2 47.5 88.1
 127 10.0 8.2 12.4

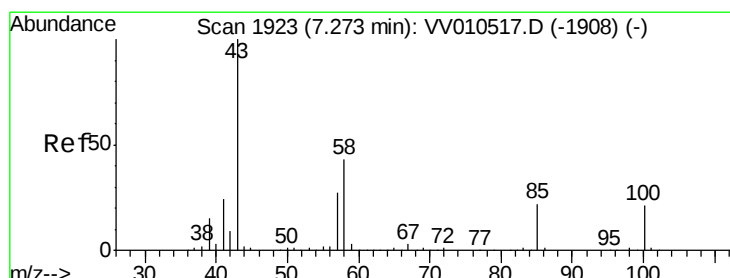
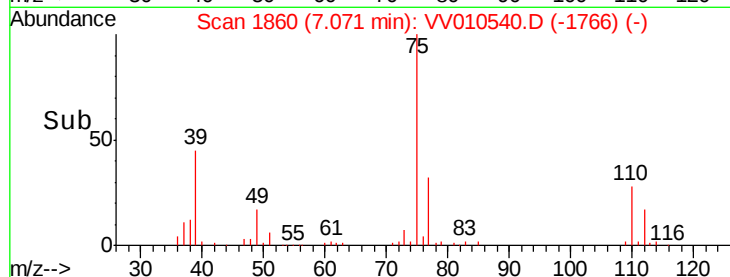
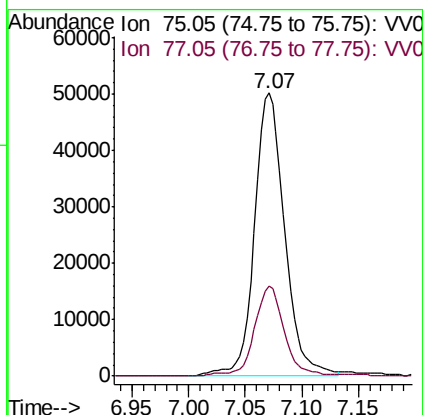
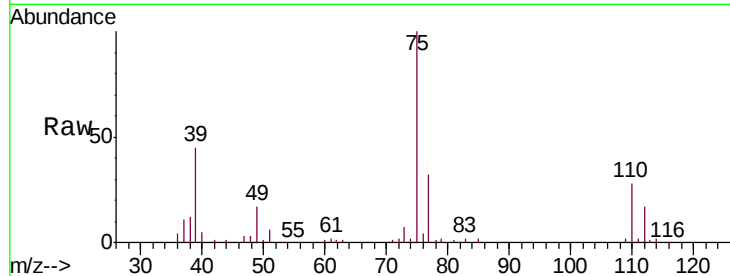




#39
 cis-1,3-Dichloropropene
 Concen: 4.938 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

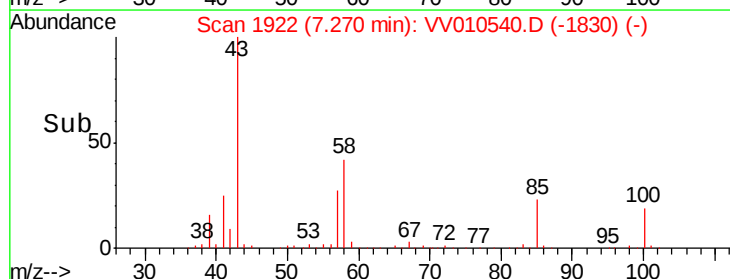
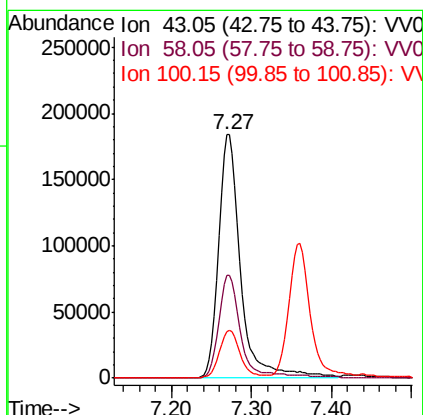
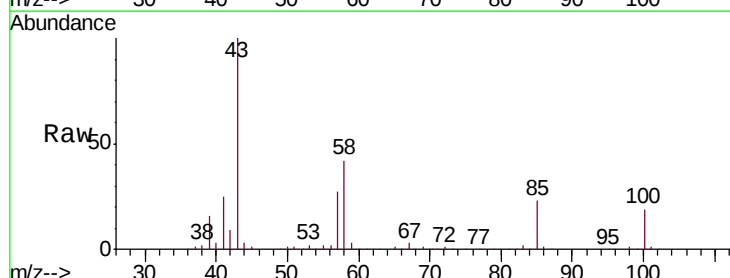
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

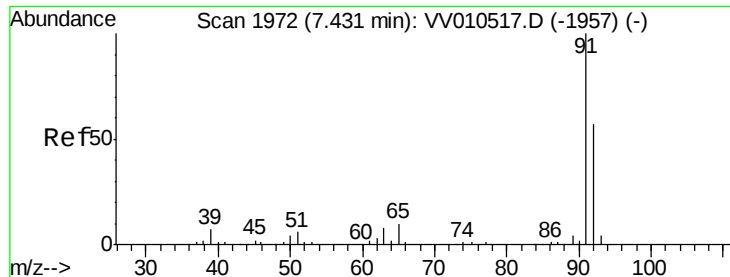
Tgt Ion: 75 Resp: 93342
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 50.856 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Tgt Ion: 43 Resp: 353093
 Ion Ratio Lower Upper
 43 100
 58 41.1 31.9 47.9
 100 18.7 15.0 22.4





#42

Toluene

Concen: 5.519 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

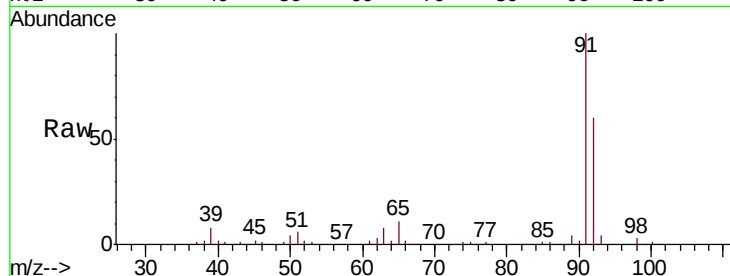
VSTD00550

Tgt Ion: 91 Resp: 343996

Ion Ratio Lower Upper

91 100

92 59.8 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

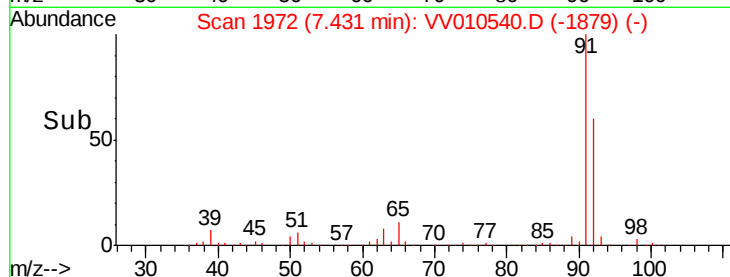
150000

100000

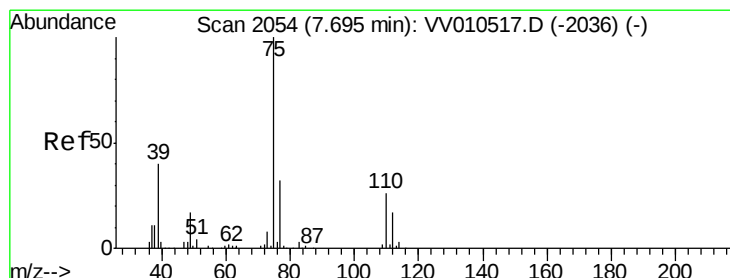
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.031 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010540.D

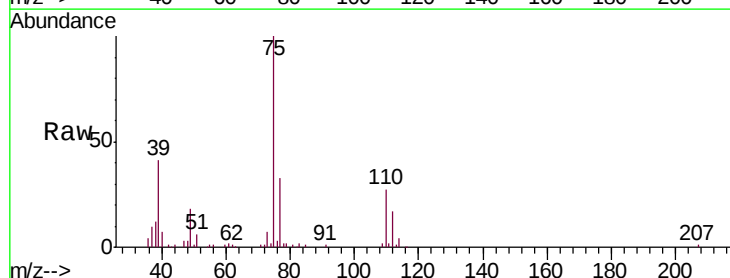
Acq: 27 Apr 2019 09:51

Tgt Ion: 75 Resp: 74768

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

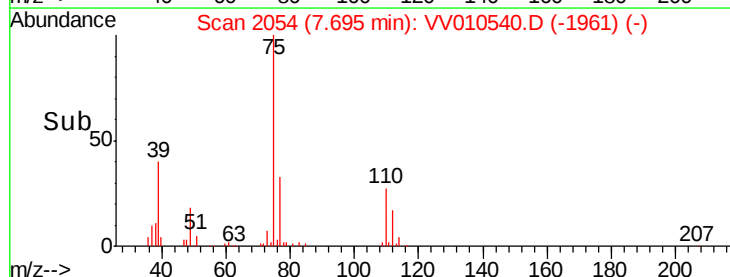
30000

20000

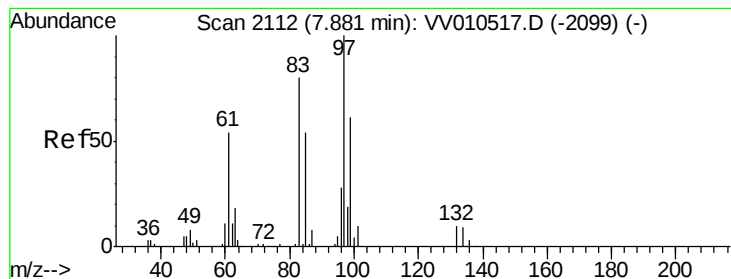
10000

0

Time-->



Time-->



#45

1,1,2-Trichloroethane

Concen: 5.191 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 97 Resp: 57613

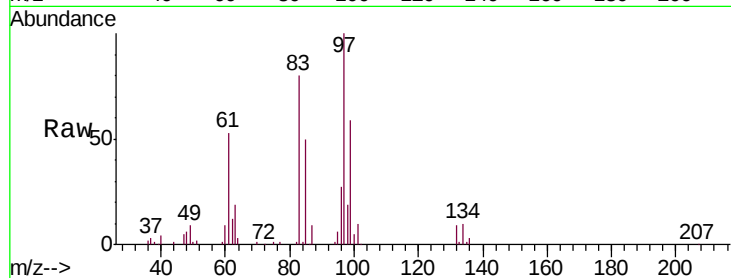
Ion Ratio Lower Upper

97 100

99 59.2 39.5 73.4

83 80.2 57.7 107.3

85 50.1 32.8 61.0

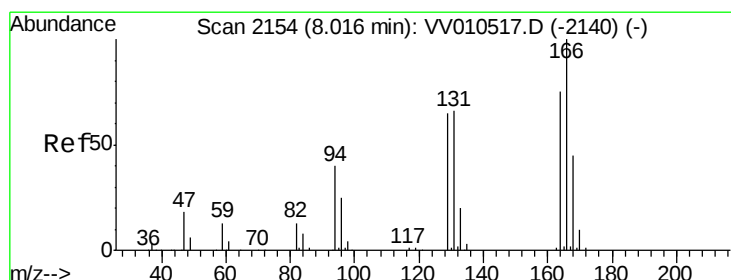
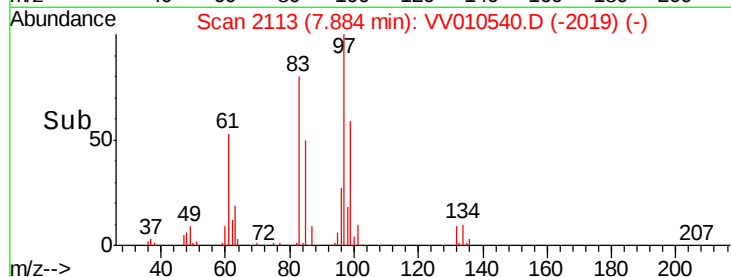
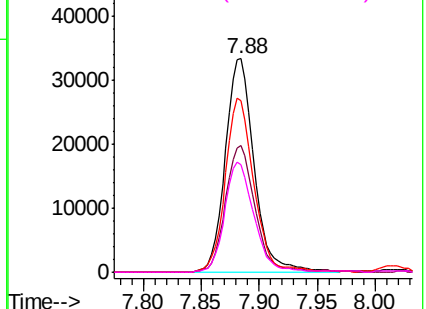


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.625 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Tgt Ion: 164 Resp: 86845

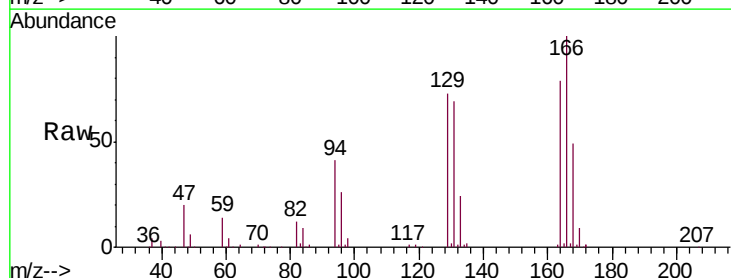
Ion Ratio Lower Upper

164 100

129 92.1 62.2 115.4

131 86.3 61.5 114.1

166 126.0 89.1 165.5

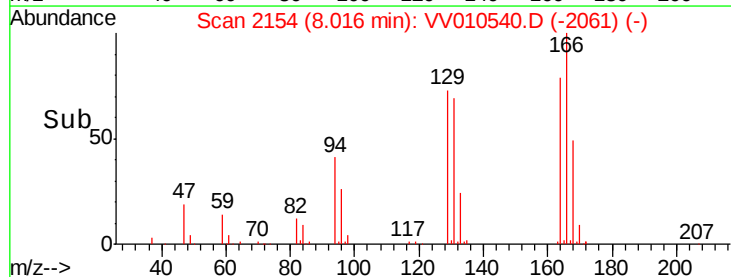
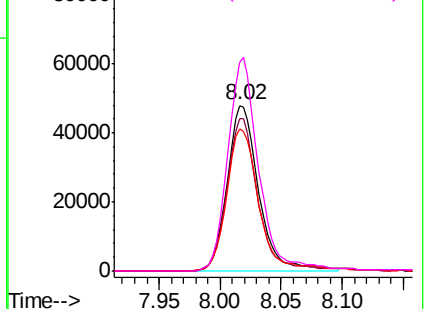


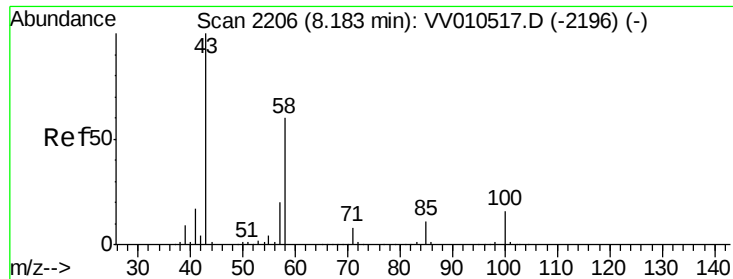
Abundance Ion 163.90 (163.60 to 164.60): V

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

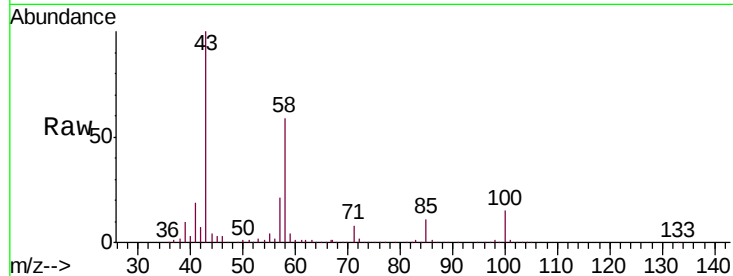




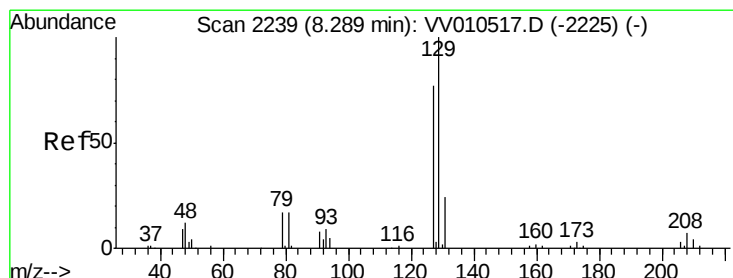
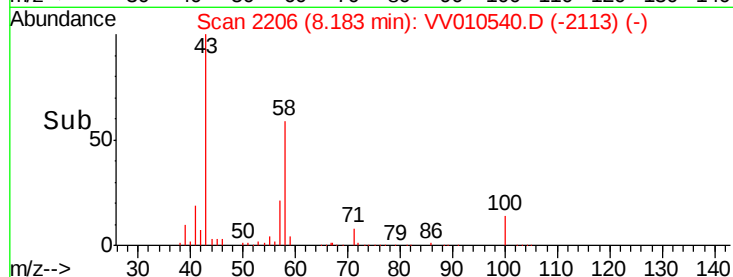
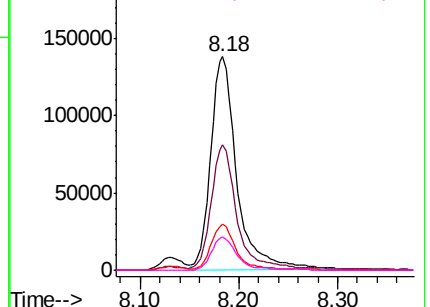
#48
2-Hexanone
Concen: 51.965 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010540.D
Acq: 27 Apr 2019 09:51

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 251734
Ion Ratio Lower Upper
43 100
58 58.4 43.1 64.7
57 21.1 16.3 24.5
100 14.5 11.8 17.8

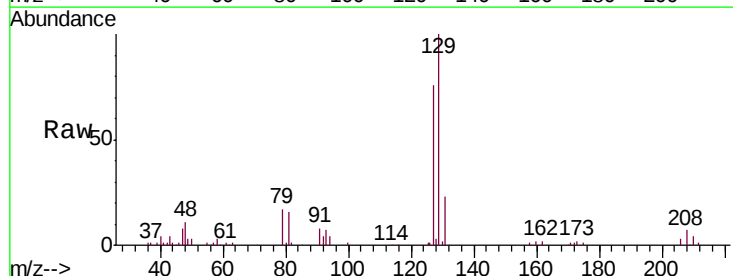


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

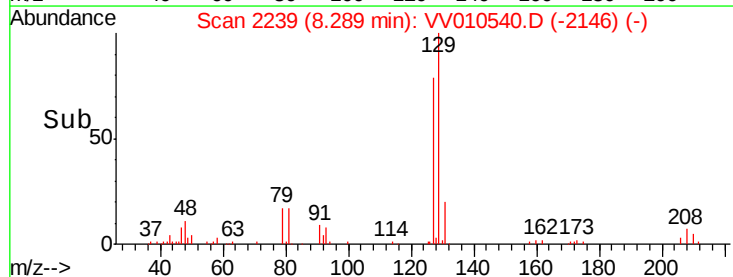
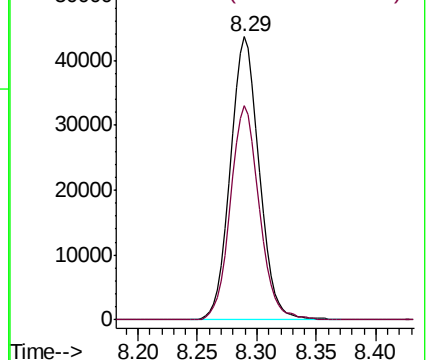


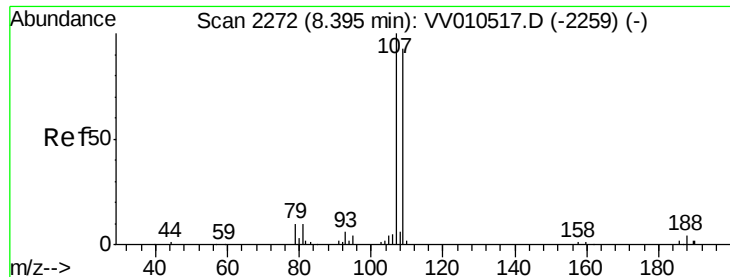
#49
Dibromochloromethane
Concen: 5.376 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010540.D
Acq: 27 Apr 2019 09:51

Tgt Ion: 129 Resp: 73366
Ion Ratio Lower Upper
129 100
127 75.6 51.9 96.5



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

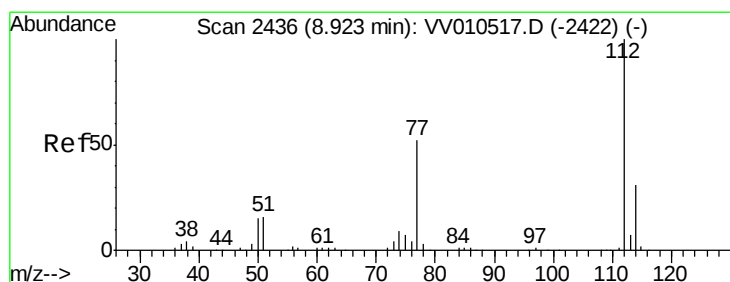
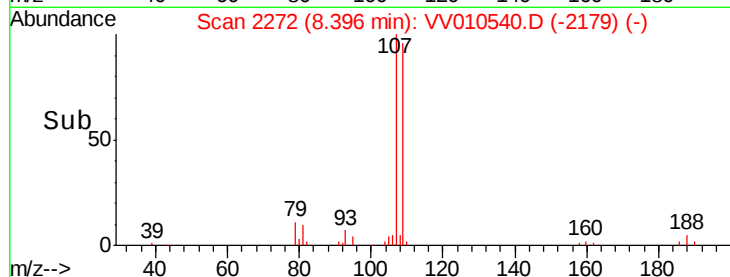
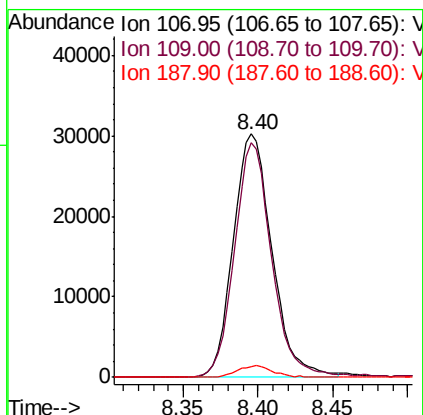
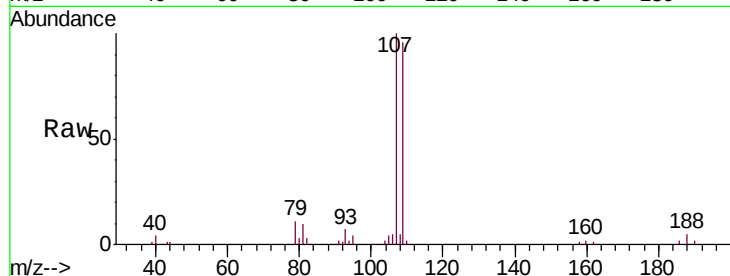




#50
1,2-Dibromoethane
Concen: 5.317 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010540.D
Acq: 27 Apr 2019 09:51

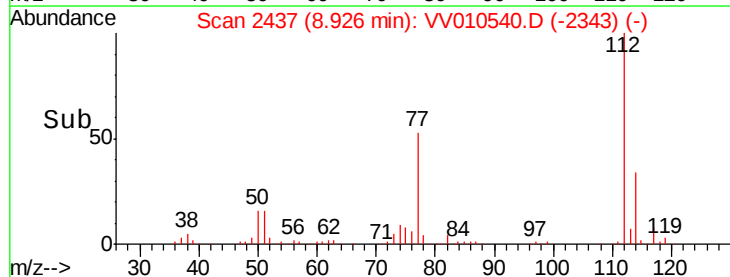
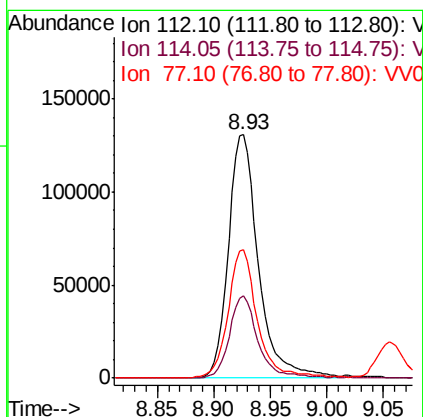
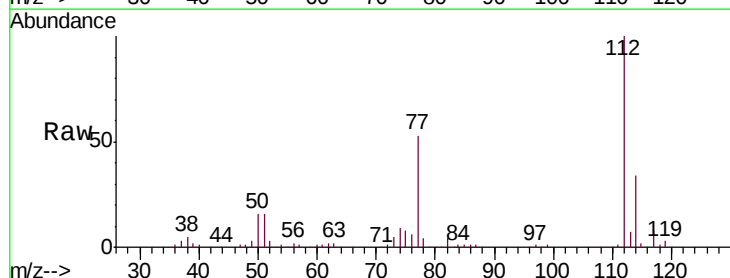
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

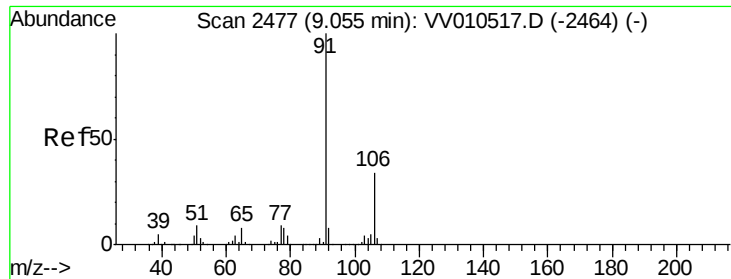
Tgt Ion:107 Resp: 54508
Ion Ratio Lower Upper
107 100
109 96.3 65.5 121.6
188 4.5 3.6 5.4



#51
Chlorobenzene
Concen: 5.528 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010540.D
Acq: 27 Apr 2019 09:51

Tgt Ion:112 Resp: 241908
Ion Ratio Lower Upper
112 100
114 33.6 22.7 42.3
77 52.9 41.0 61.6





#52

Ethylbenzene

Concen: 5.619 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

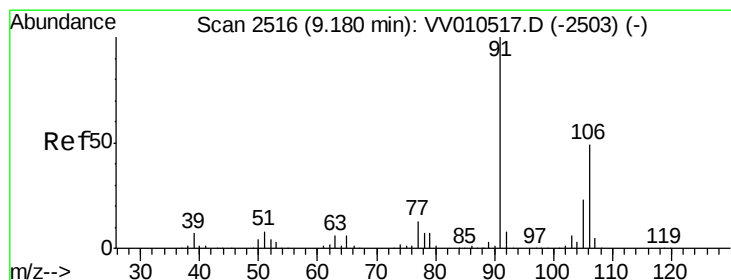
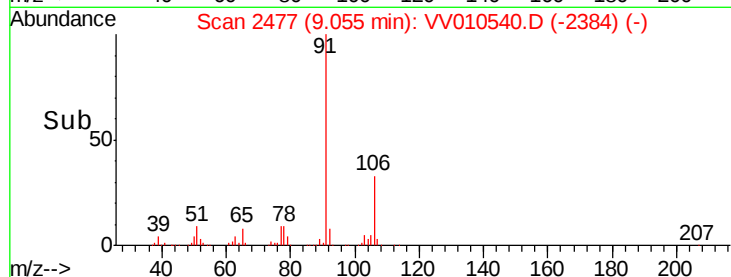
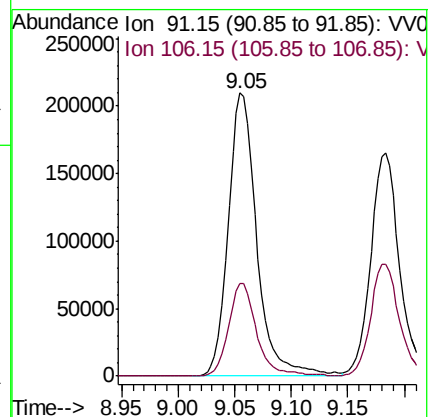
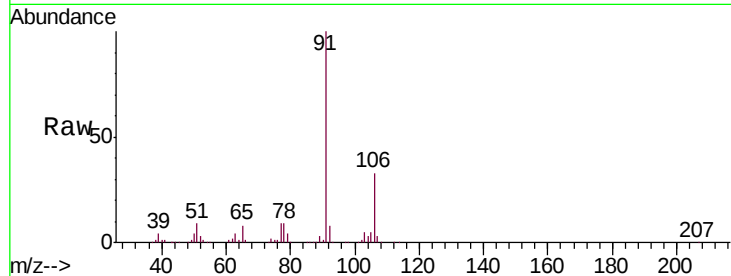
VSTD00550

Tgt Ion: 91 Resp: 369066

Ion Ratio Lower Upper

91 100

106 32.9 23.0 42.6



#53

m,p-xylene

Concen: 5.823 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010540.D

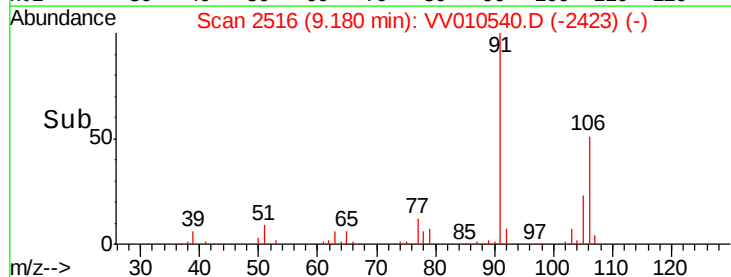
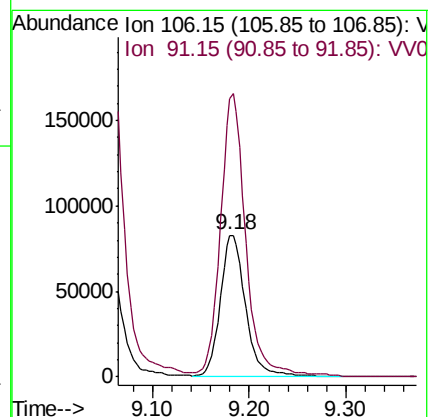
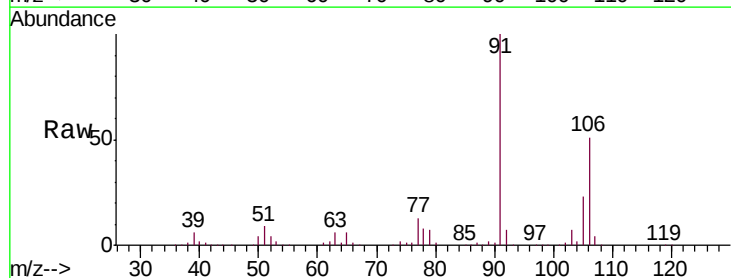
Acq: 27 Apr 2019 09:51

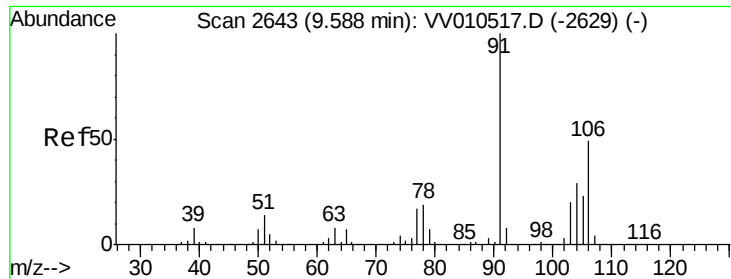
Tgt Ion: 106 Resp: 150222

Ion Ratio Lower Upper

106 100

91 196.4 140.5 260.9





#54

o-xylene

Concen: 5.753 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

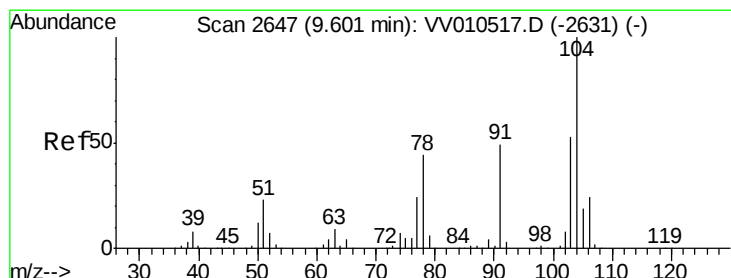
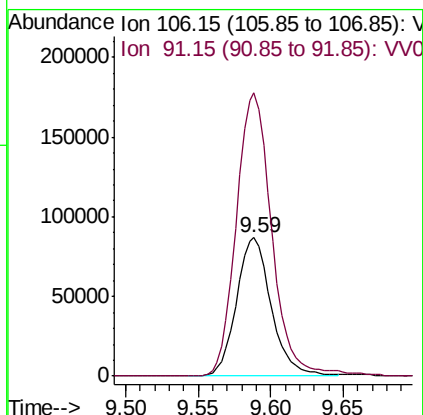
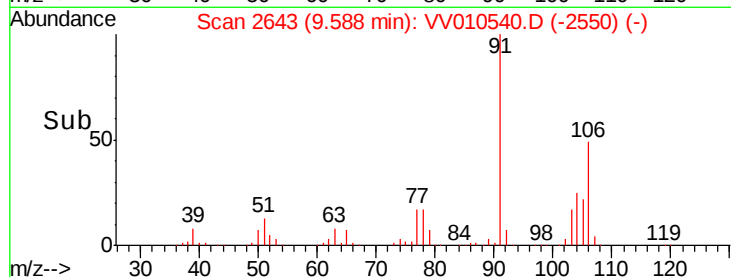
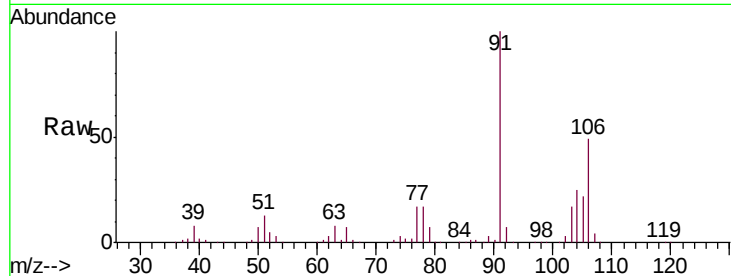
VSTD00550

Tgt Ion:106 Resp: 145119

Ion Ratio Lower Upper

106 100

91 204.2 146.4 272.0



#55

Styrene

Concen: 5.856 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010540.D

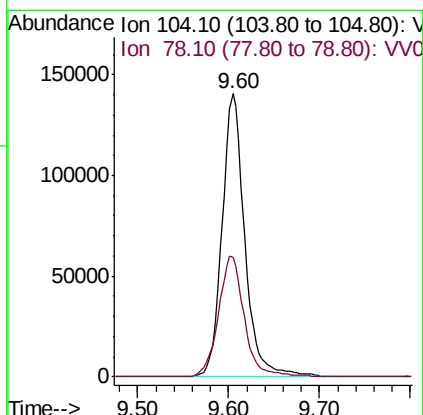
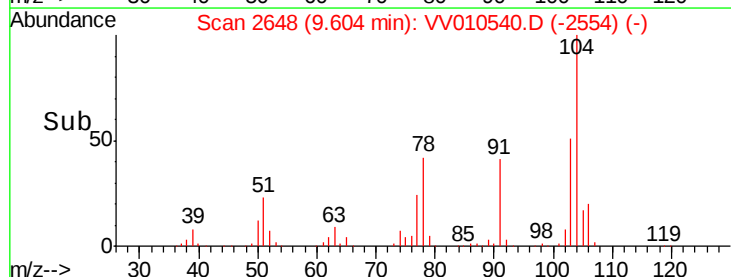
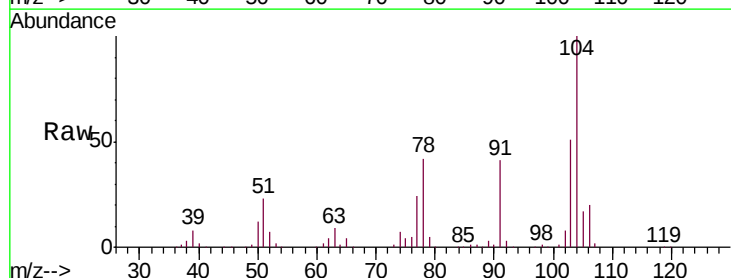
Acq: 27 Apr 2019 09:51

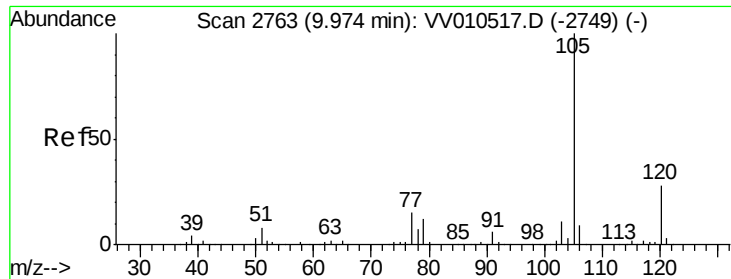
Tgt Ion:104 Resp: 244318

Ion Ratio Lower Upper

104 100

78 42.4 29.5 54.9





#56

Isopropylbenzene

Concen: 5.450 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

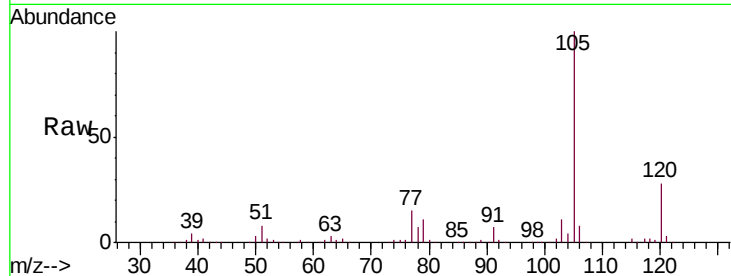
Tgt Ion: 105 Resp: 360353

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

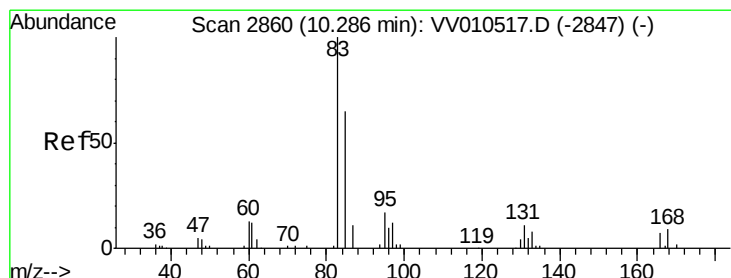
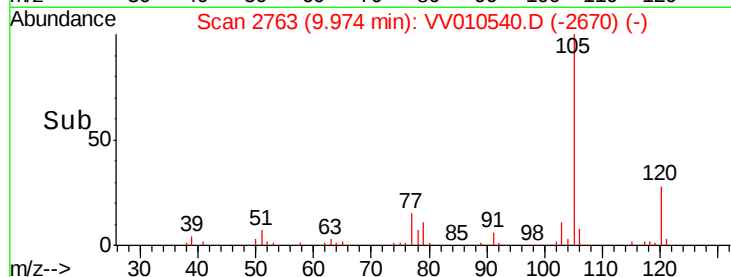
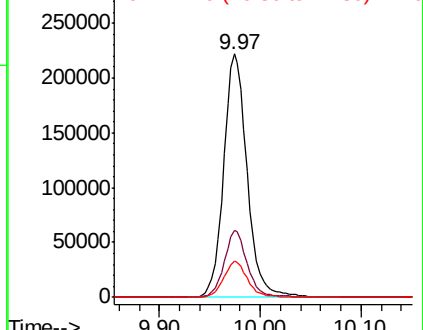
77 14.9 11.6 17.4



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: 5.068 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

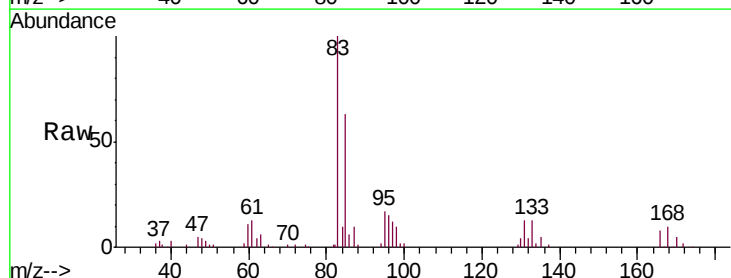
Tgt Ion: 83 Resp: 61351

Ion Ratio Lower Upper

83 100

85 62.9 45.6 84.6

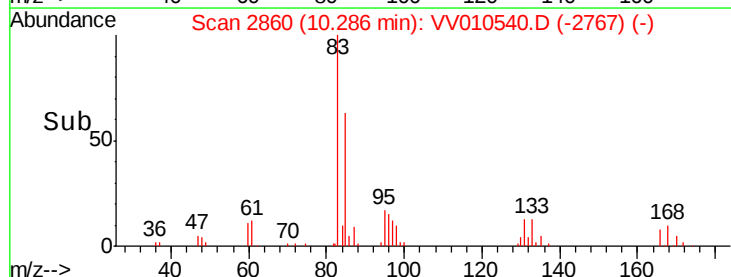
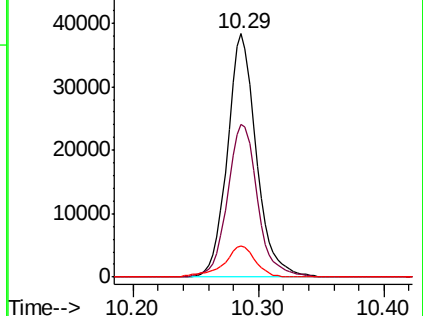
131 12.8 9.8 14.8

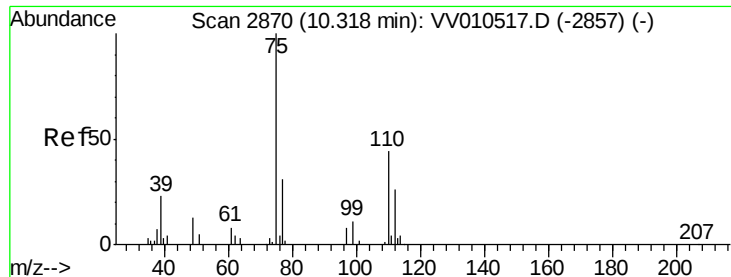


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.136 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

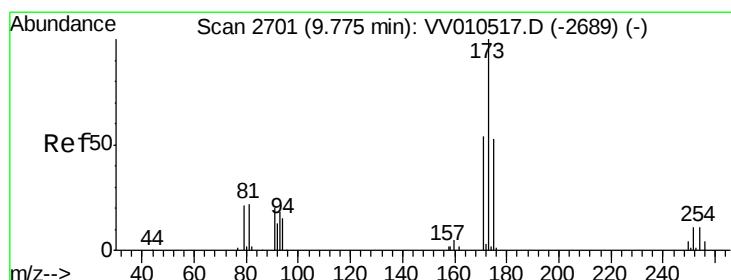
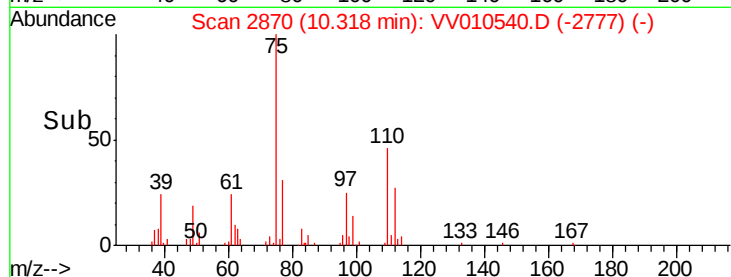
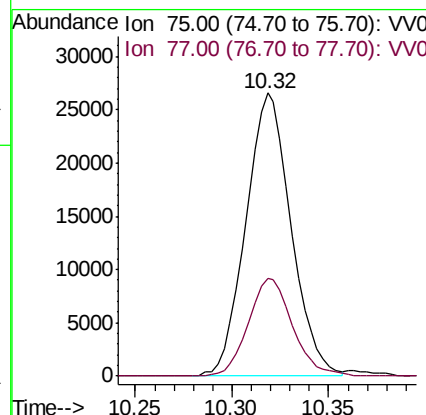
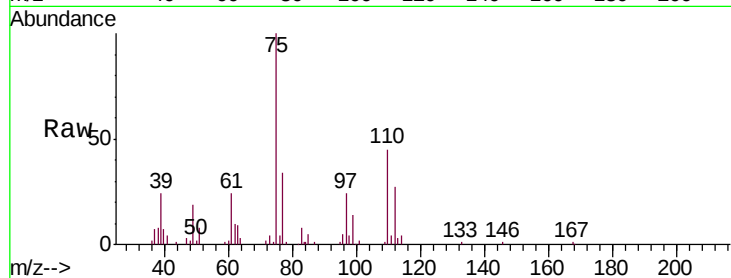
VSTD00550

Tgt Ion: 75 Resp: 43062

Ion Ratio Lower Upper

75 100

77 33.8 26.9 40.3



#61

Bromoform

Concen: 5.256 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

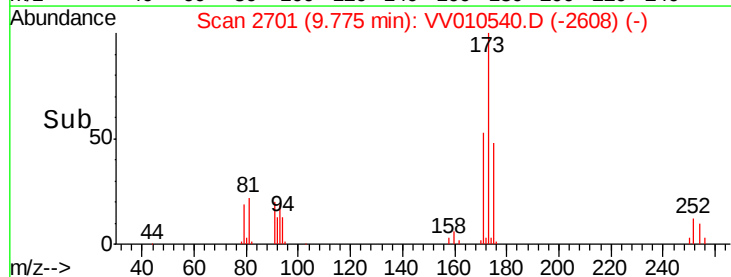
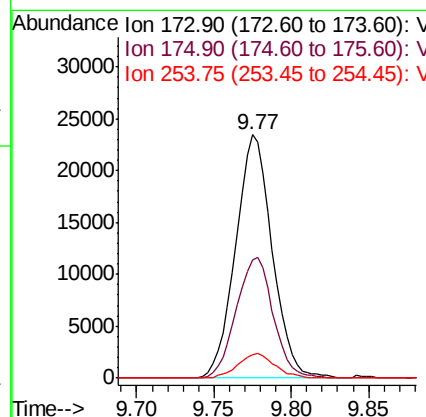
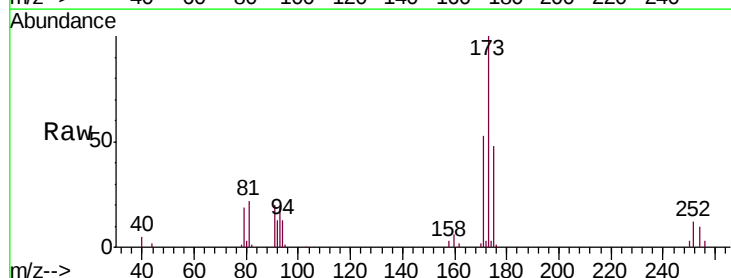
Tgt Ion: 173 Resp: 38462

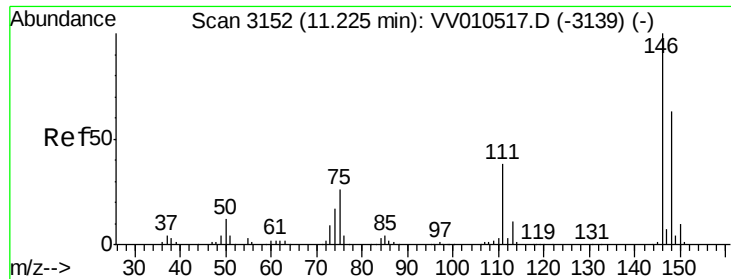
Ion Ratio Lower Upper

173 100

175 50.2 39.1 58.7

254 10.1 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 5.498 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

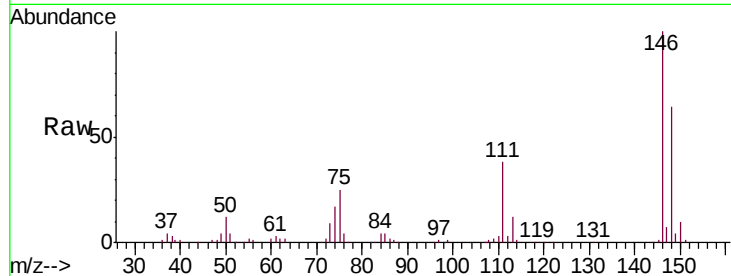
Tgt Ion:146 Resp: 190941

Ion Ratio Lower Upper

146 100

111 37.7 26.0 48.4

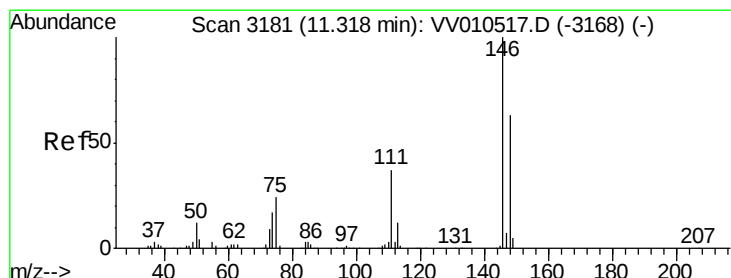
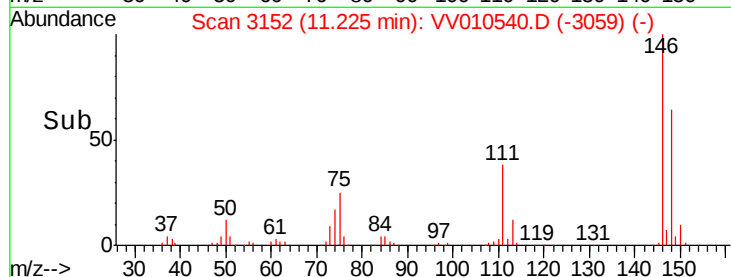
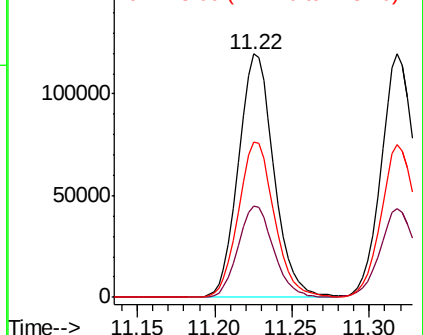
148 64.0 44.9 83.5



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: 5.317 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

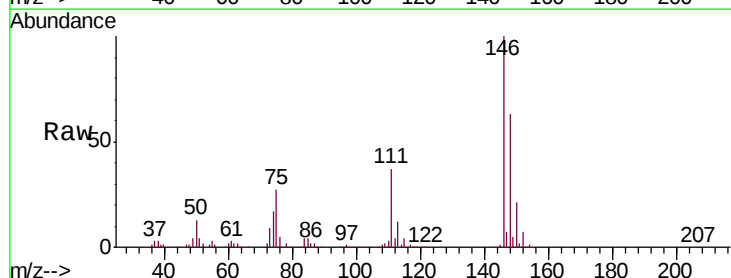
Tgt Ion:146 Resp: 189360

Ion Ratio Lower Upper

146 100

111 36.6 24.3 45.1

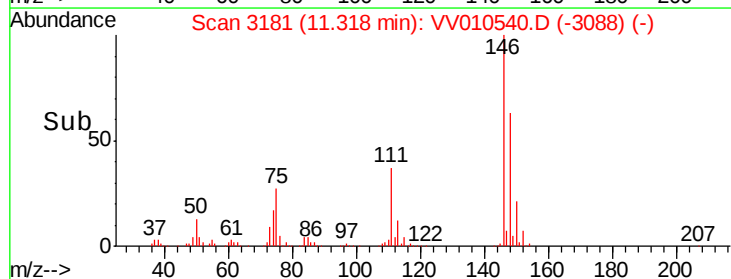
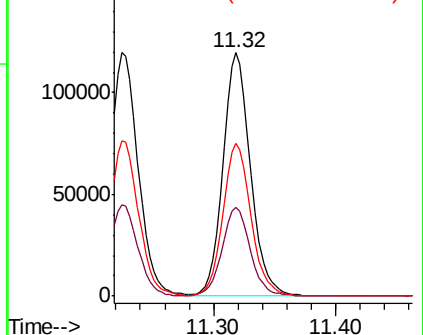
148 63.0 44.9 83.3

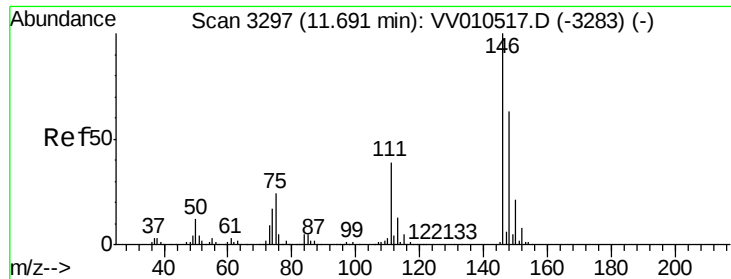


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.528 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

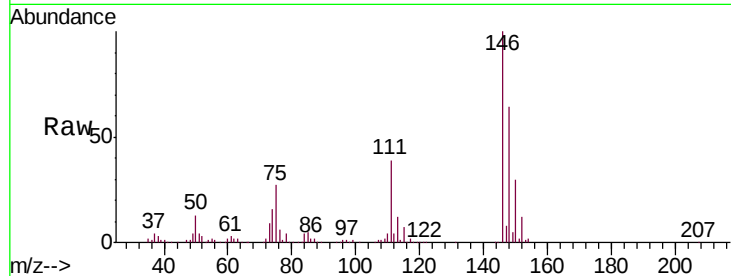
Tgt Ion:146 Resp: 189069

Ion Ratio Lower Upper

146 100

111 38.9 31.8 47.8

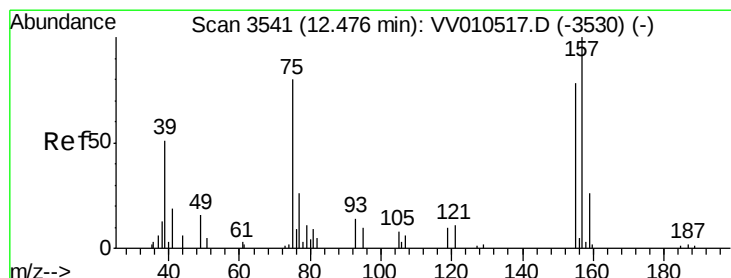
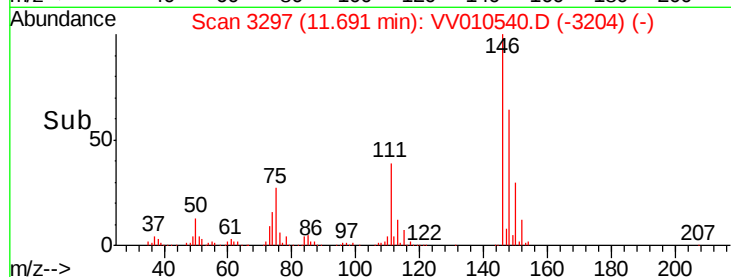
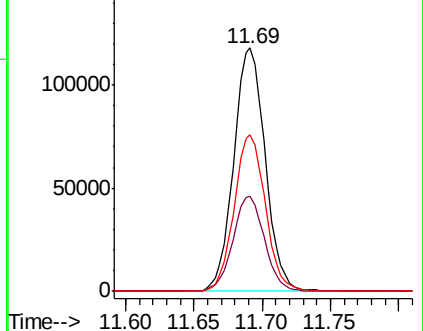
148 64.2 51.9 77.9



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: 4.513 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

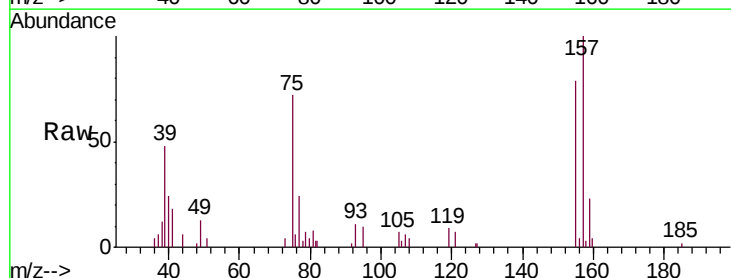
Tgt Ion: 75 Resp: 8526

Ion Ratio Lower Upper

75 100

155 110.3 73.4 110.0#

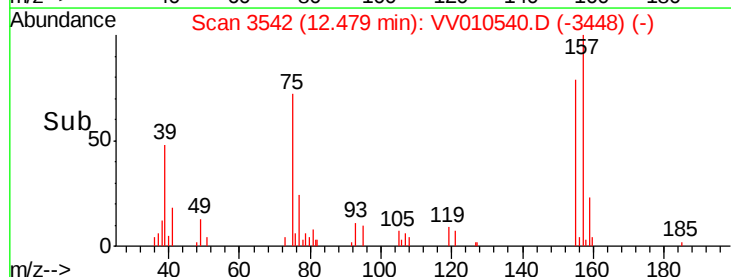
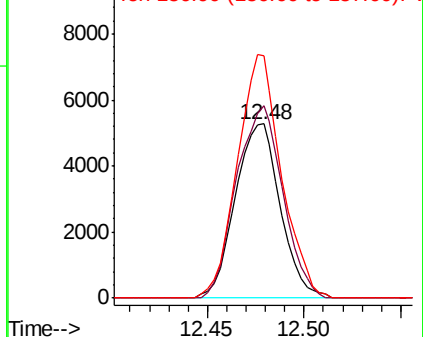
157 139.2 99.4 149.2

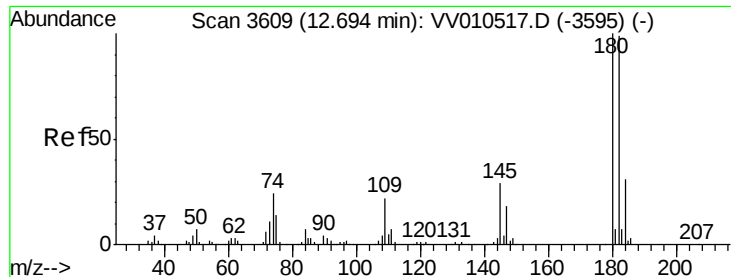


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

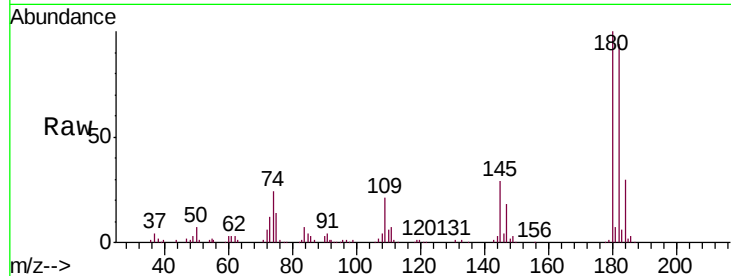




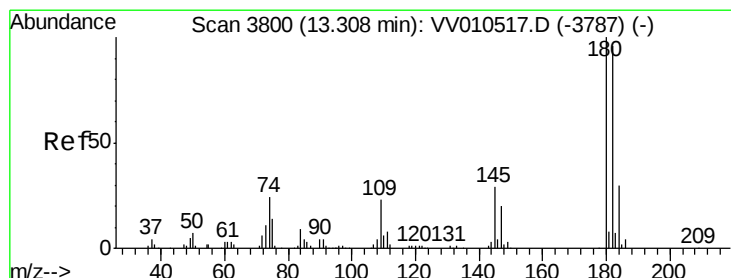
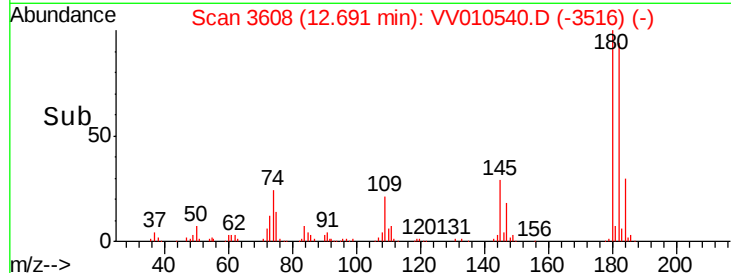
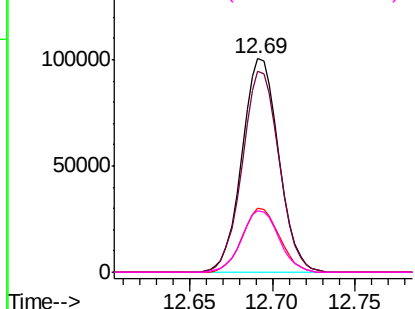
#67
 1,3,5-Trichlorobenzene
 Concen: 5.329 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 155201
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.0
 184 30.2 24.6 36.8
 145 29.3 23.2 34.8

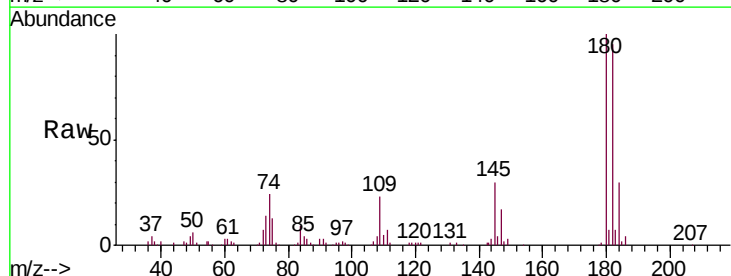


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

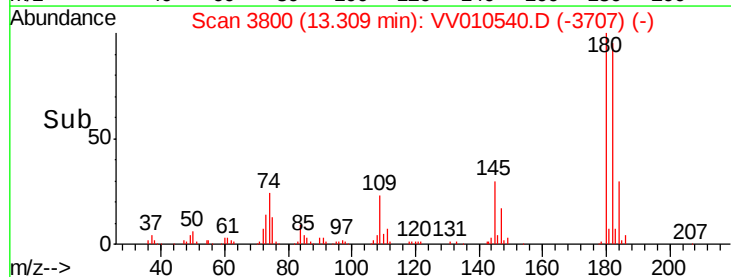
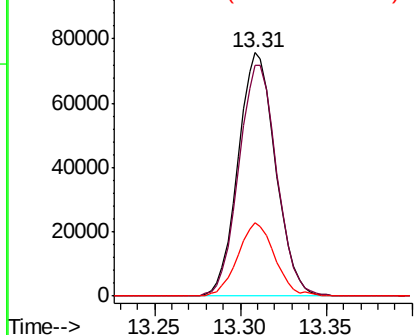


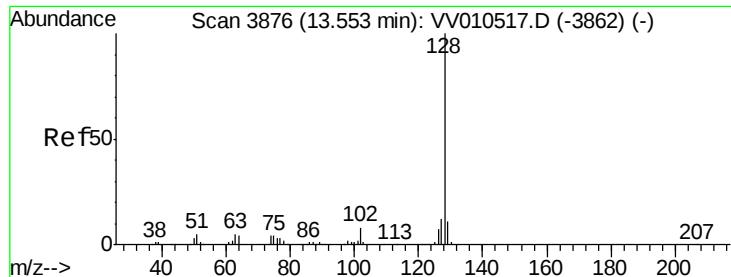
#68
 1,2,4-trichlorobenzene
 Concen: 5.174 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010540.D
 Acq: 27 Apr 2019 09:51

Tgt Ion:180 Resp: 114988
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.1 115.7
 145 29.7 25.0 37.6



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: 4.742 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

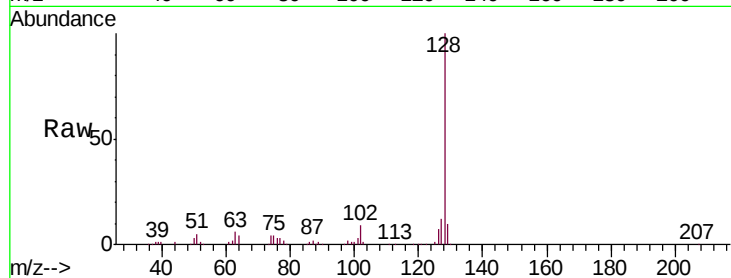
Tgt Ion:128 Resp: 156755

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

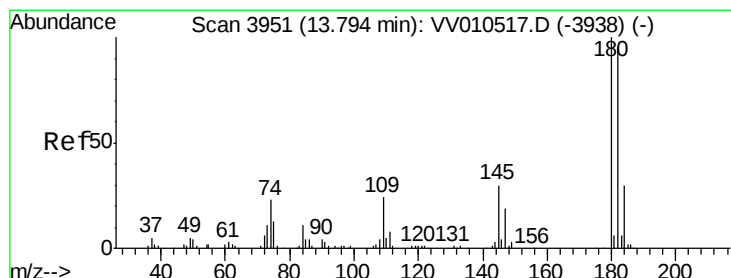
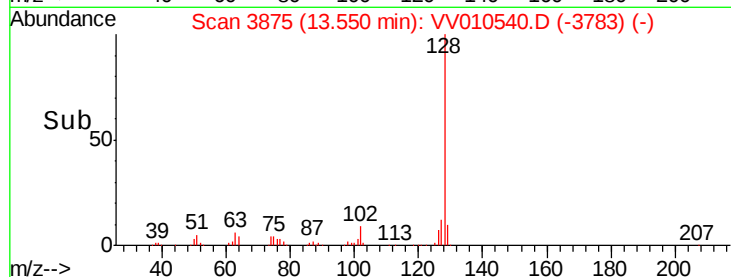
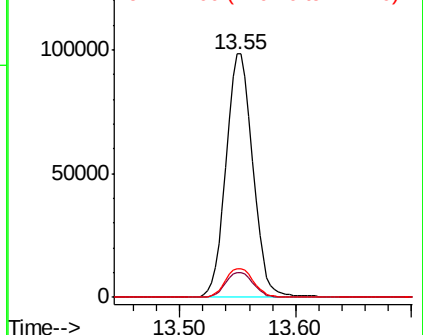
127 12.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.122 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010540.D

Acq: 27 Apr 2019 09:51

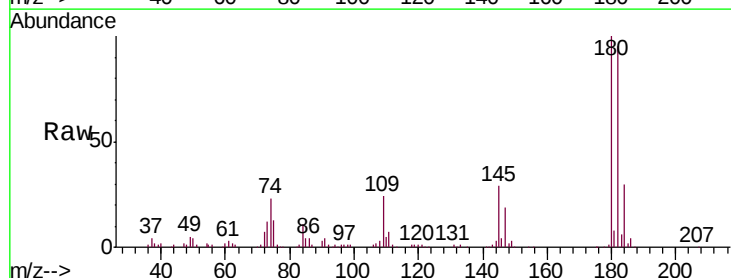
Tgt Ion:180 Resp: 113233

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 30.6 24.8 37.2



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

