

Data File : VV010549.D
Acq On : 29 Apr 2019 16:07
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Apr 30 06:42:55 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	234162	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	226913	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	119136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47542	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.57	69	30375	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.13	63	91861	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.94	46	121724	41.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.88%
24) Chloroform-d	4.40	84	139491	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	64509	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.10	84	258562	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.12	67	72179	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.36	98	261997	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.66	79	28168	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.13	63	102790	39.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	54583	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	105802	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	102155	5.435	ug/L 96
3) Chloromethane	1.25	50	56788	4.557	ug/L 99
5) Vinyl chloride	1.32	62	67748	5.196	ug/L 95
6) Bromomethane	1.52	94	27685	4.904	ug/L 99
8) Chloroethane	1.59	64	31789	6.054	ug/L 97
9) Trichlorofluoromethane	1.76	101	135621	5.308	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	64173	5.063	ug/L 98
12) 1,1-Dichloroethene	2.14	96	53383	4.721	ug/L 91
13) Acetone	2.20	43	59782	40.852	ug/L 95
14) Carbon disulfide	2.31	76	137736	4.826	ug/L 99
15) Methyl Acetate	2.46	43	22754	4.686	ug/L 100
16) Methylene chloride	2.53	84	82995	4.853	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	165784	5.064	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	85221	5.276	ug/L 99
19) 1,1-Dichloroethane	3.23	63	138197	5.189	ug/L 98
21) 2-Butanone	4.02	43	140004	46.288	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	89210	5.116	ug/L 92

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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)
23) Bromochloromethane	4.29	128	42272	5.186	ug/L	98
25) Chloroform	4.42	83	156367	5.176	ug/L	93
27) 1,2-Dichloroethane	5.18	62	88024	5.117	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	146980	5.531	ug/L	98
30) Cyclohexane	4.72	56	107879	5.601	ug/L	99
31) Carbon tetrachloride	4.87	117	142875	5.622	ug/L	98
33) Benzene	5.14	78	314559	5.358	ug/L	100
34) Trichloroethene	5.96	95	92745	5.428	ug/L	99
35) Methylcyclohexane	6.17	83	125216	5.647	ug/L	99
37) 1,2-Dichloropropane	6.22	63	70588	5.216	ug/L #	97
38) Bromodichloromethane	6.55	83	104951	5.401	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	106027	5.426	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	336977	46.946	ug/L	98
42) Toluene	7.43	91	360535	5.595	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	80060	5.211	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	56664	4.938	ug/L	91
47) Tetrachloroethene	8.02	164	89861	5.629	ug/L	99
48) 2-Hexanone	8.18	43	256935	51.303	ug/L	97
49) Dibromochloromethane	8.29	129	74993	5.315	ug/L	96
50) 1,2-Dibromoethane	8.40	107	54748	5.166	ug/L	96
51) Chlorobenzene	8.92	112	244221	5.399	ug/L	99
52) Ethylbenzene	9.05	91	383051	5.641	ug/L	99
53) m,p-xylene	9.18	106	154255	5.784	ug/L	92
54) o-xylene	9.59	106	149369	5.728	ug/L	98
55) Styrene	9.60	104	249818	5.792	ug/L	97
56) Isopropylbenzene	9.97	105	397233	5.811	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	57761	4.615	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	42675	4.924	ug/L	99
61) Bromoform	9.77	173	41572	5.369	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	201169	5.474	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	201725	5.353	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	188880	5.219	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9918	4.961	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	172141	5.586	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	128589	5.468	ug/L	99
69) Naphthalene	13.55	128	171384	4.900	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	122610	5.241	ug/L	98

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

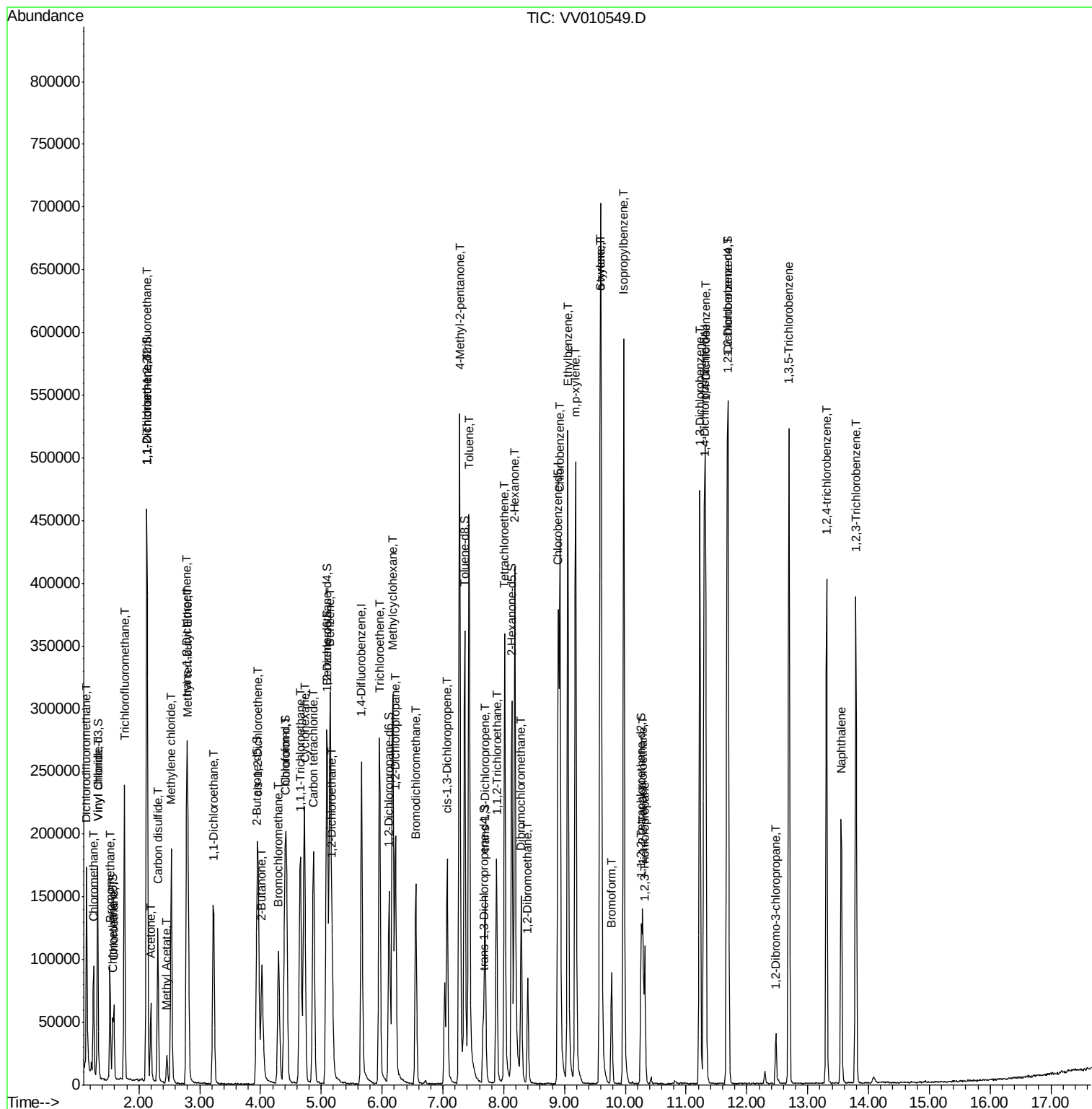
Quant Time: Apr 30 06:42:55 2019

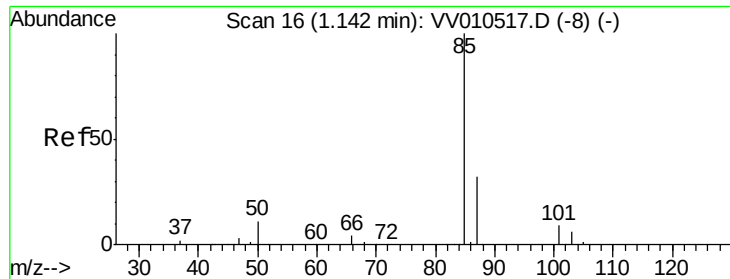
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR042719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Apr 29 01:58:06 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.435 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampled :

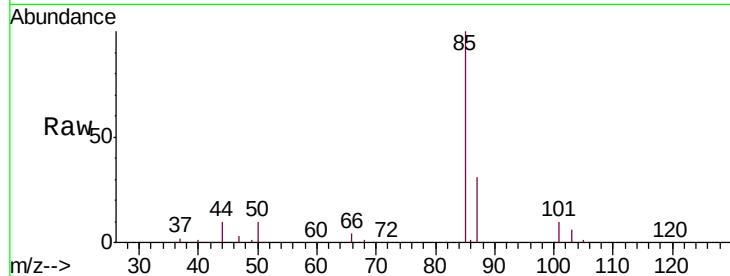
VSTD00551

Tgt Ion: 85 Resp: 102155

Ion Ratio Lower Upper

85 100

87 32.4 24.1 36.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

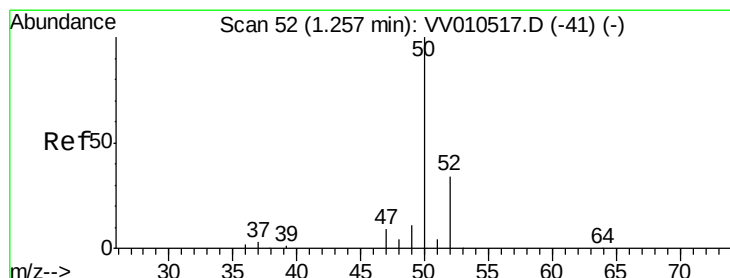
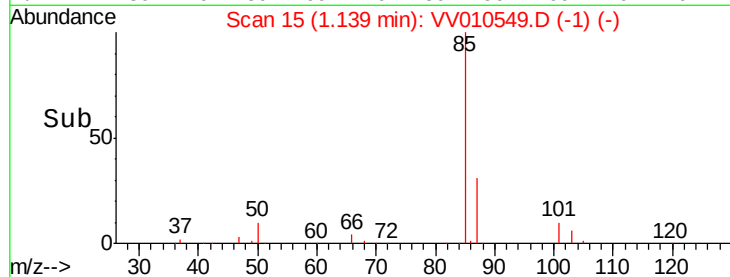
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.557 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010549.D

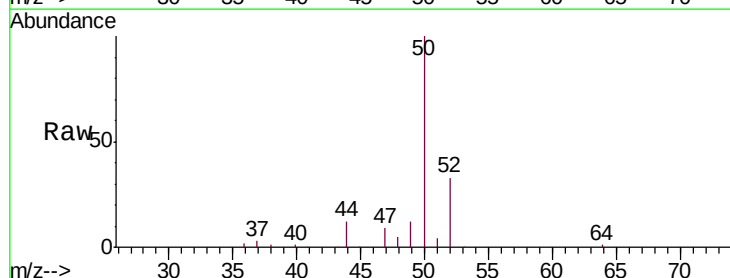
Acq: 29 Apr 2019 16:07

Tgt Ion: 50 Resp: 56788

Ion Ratio Lower Upper

50 100

52 32.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

60000

50000

40000

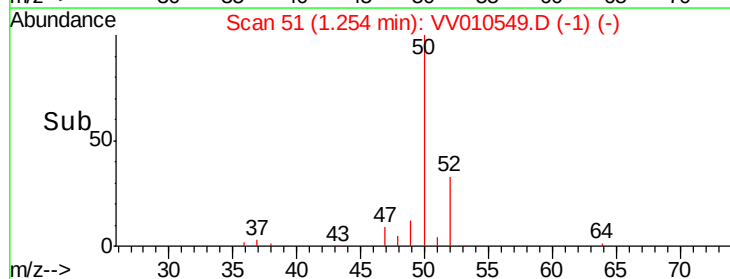
30000

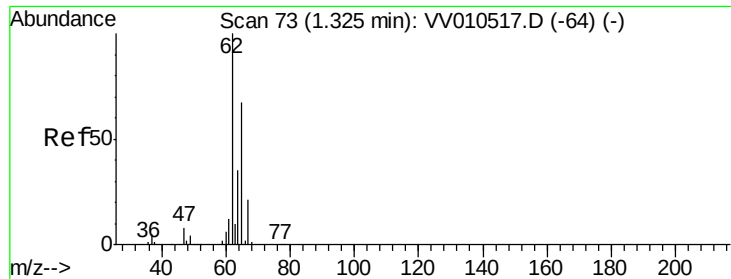
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 5.196 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

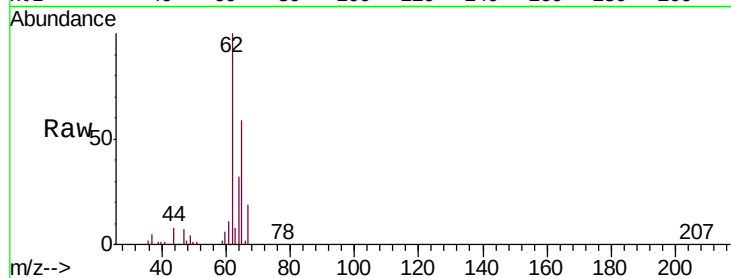
VSTD00551

Tgt Ion: 62 Resp: 67748

Ion Ratio Lower Upper

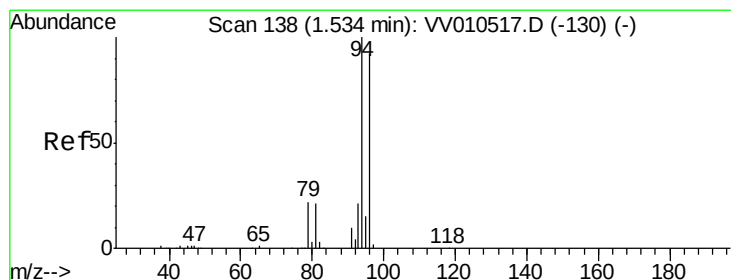
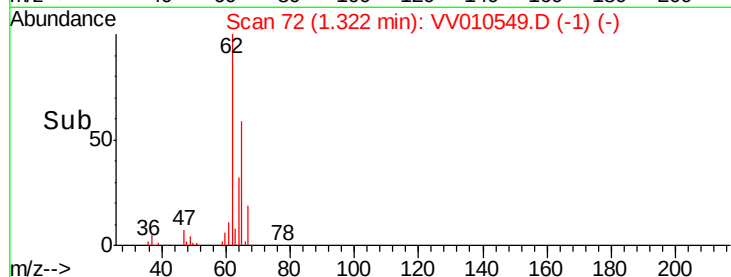
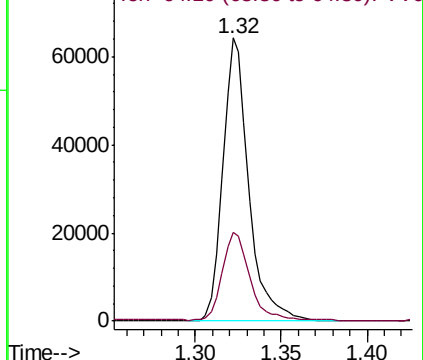
62 100

64 31.6 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV010517.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010517.D (-64) (-)



#6

Bromomethane

Concen: 4.904 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV010549.D

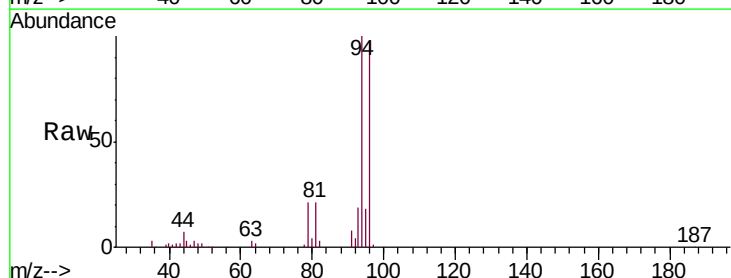
Acq: 29 Apr 2019 16:07

Tgt Ion: 94 Resp: 27685

Ion Ratio Lower Upper

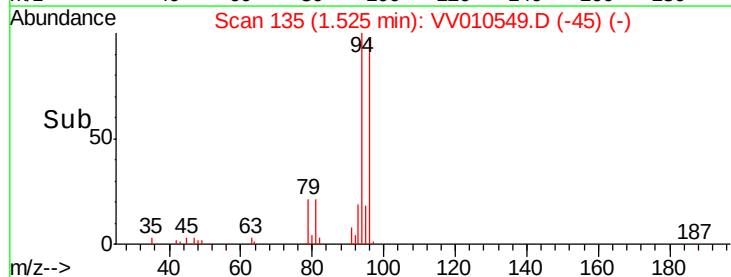
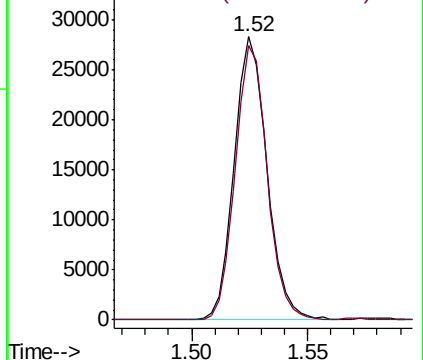
94 100

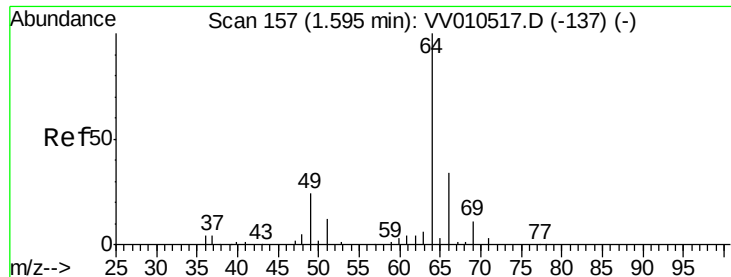
96 96.9 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV010517.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV010517.D (-130) (-)





#8

Chloroethane

Concen: 6.054 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

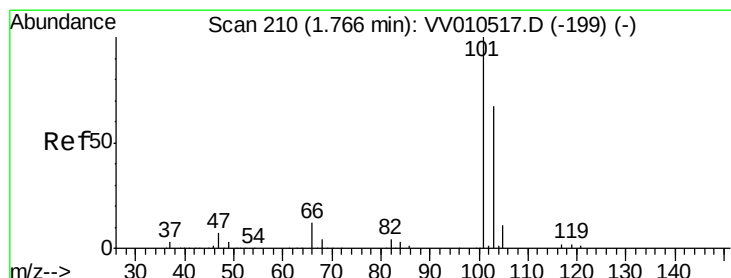
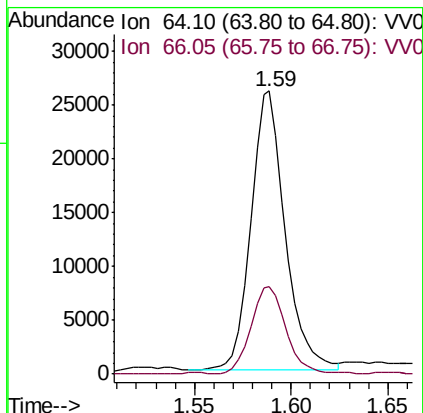
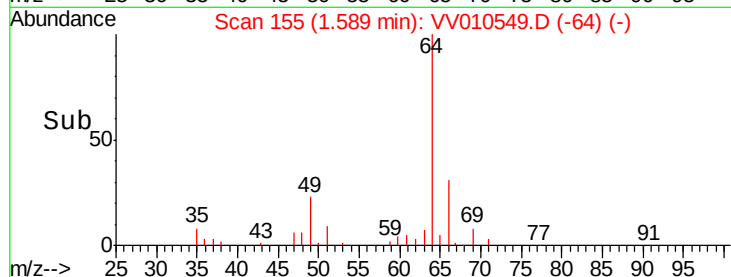
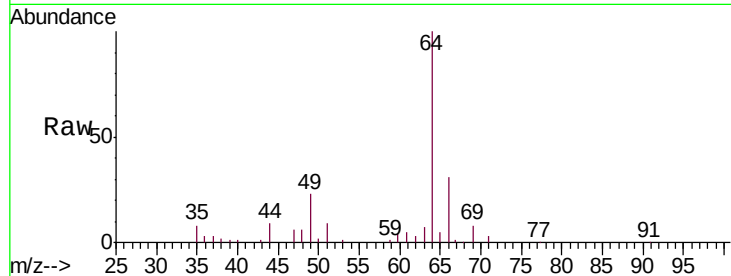
VSTD00551

Tgt Ion: 64 Resp: 31789

Ion Ratio Lower Upper

64 100

66 31.0 20.7 38.5



#9

Trichlorofluoromethane

Concen: 5.308 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010549.D

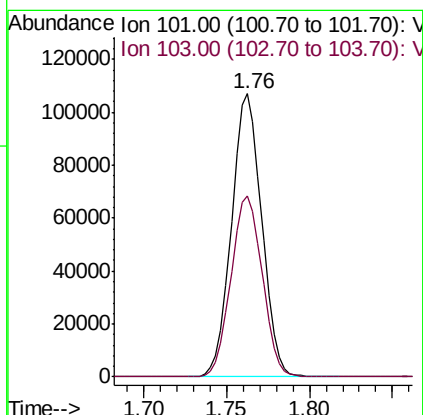
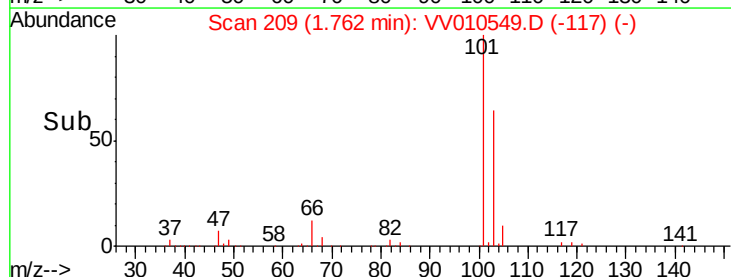
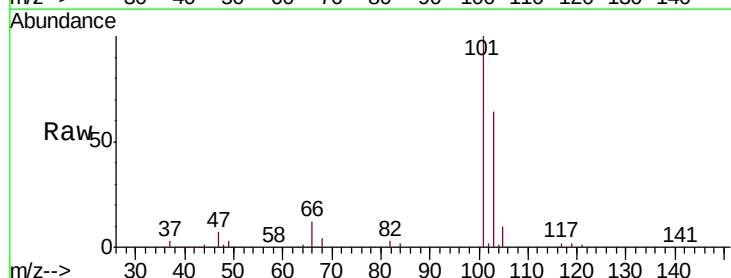
Acq: 29 Apr 2019 16:07

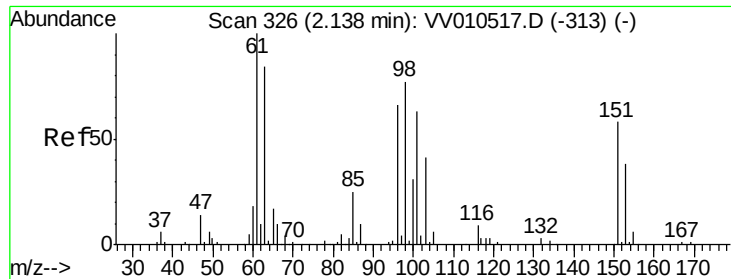
Tgt Ion: 101 Resp: 135621

Ion Ratio Lower Upper

101 100

103 66.3 50.5 75.7





#10

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

Concen: 5.063 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleID :

VSTD00551

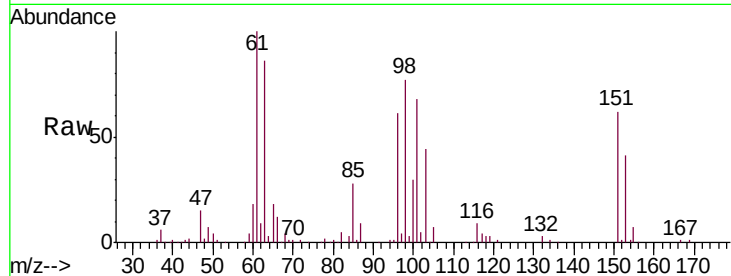
Tgt Ion: 101 Resp: 64173

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

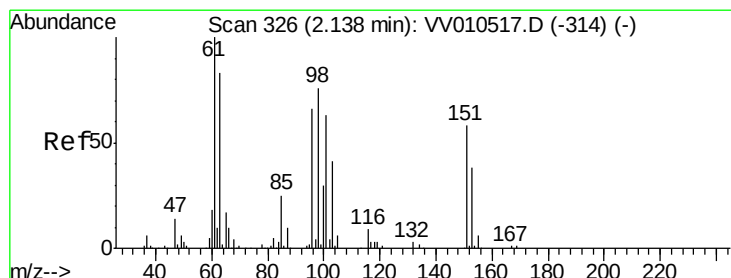
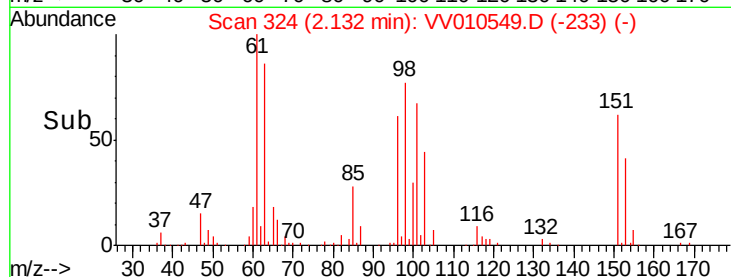
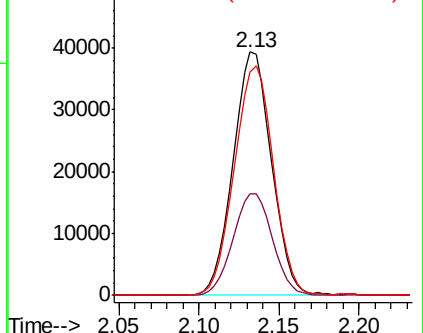
151 96.1 75.2 112.8



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: 4.721 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

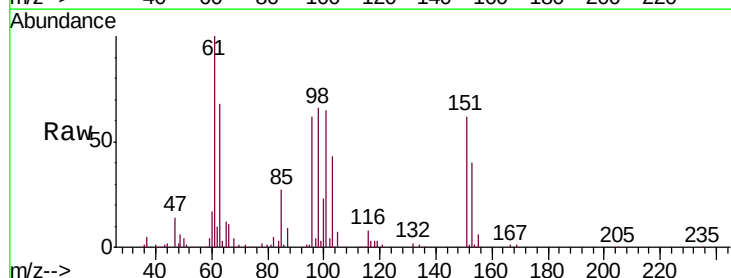
Tgt Ion: 96 Resp: 53383

Ion Ratio Lower Upper

96 100

61 160.2 101.2 188.0

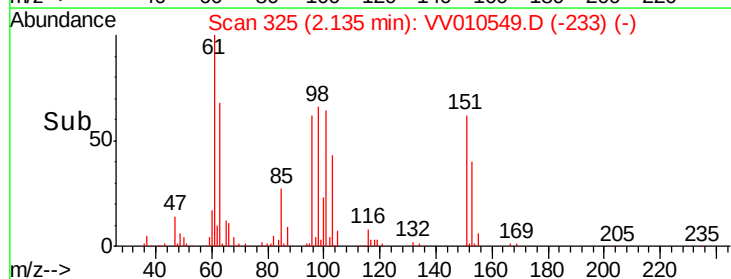
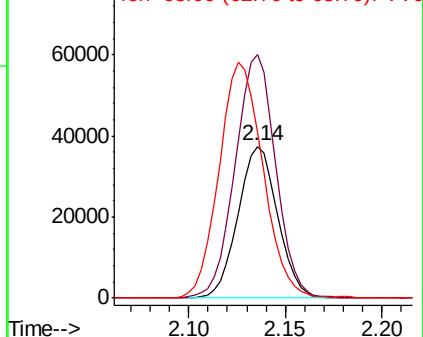
63 108.8 79.2 147.0

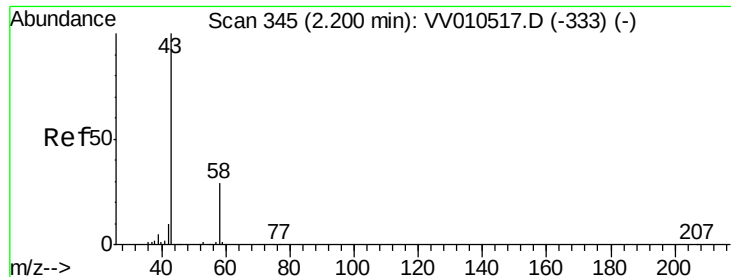


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.852 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

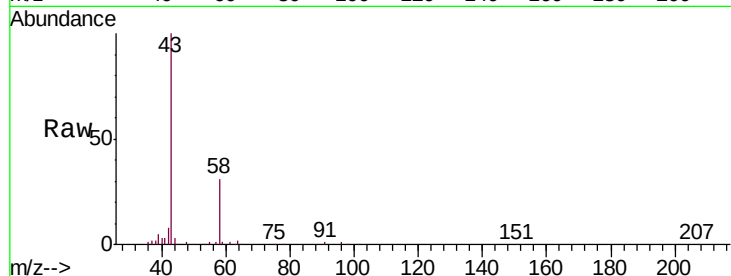
VSTD00551

Tgt Ion: 43 Resp: 59782

Ion Ratio Lower Upper

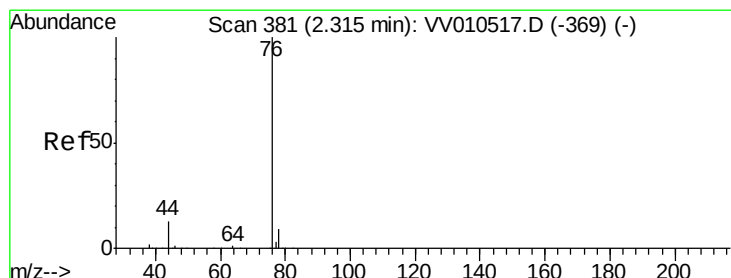
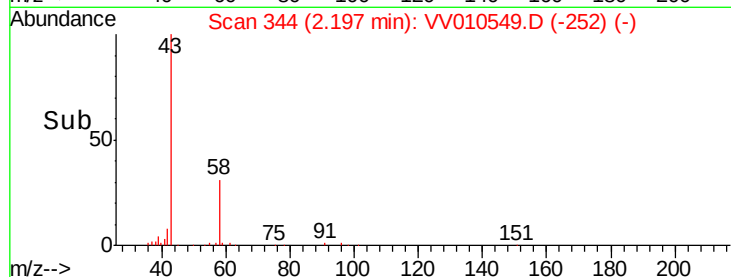
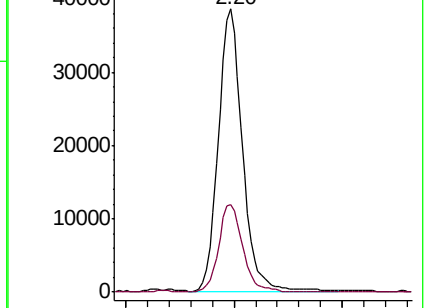
43 100

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) (-)



#14

Carbon disulfide

Concen: 4.826 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV010549.D

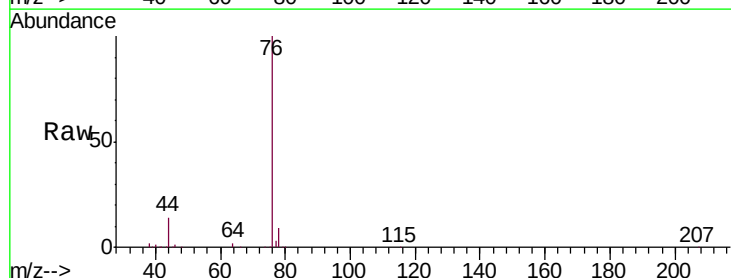
Acq: 29 Apr 2019 16:07

Tgt Ion: 76 Resp: 137736

Ion Ratio Lower Upper

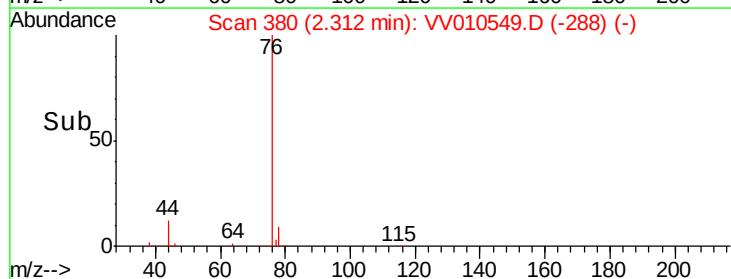
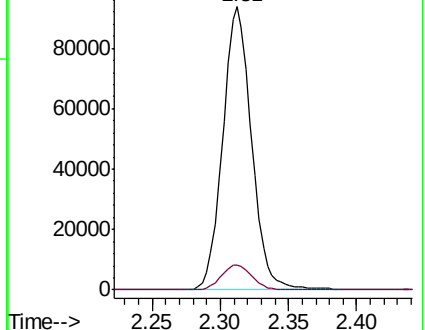
76 100

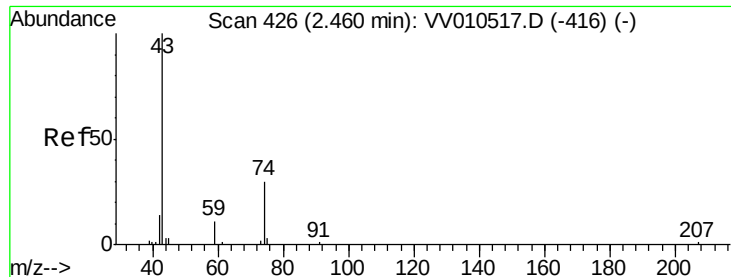
78 8.9 6.9 10.3



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

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

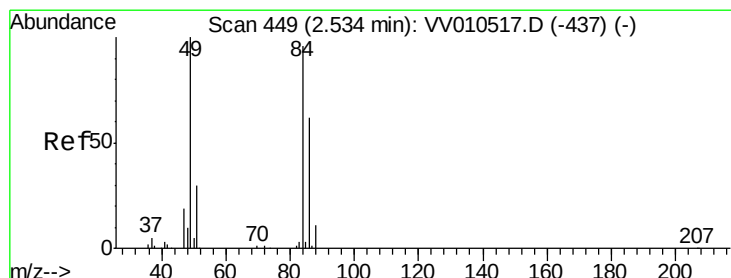
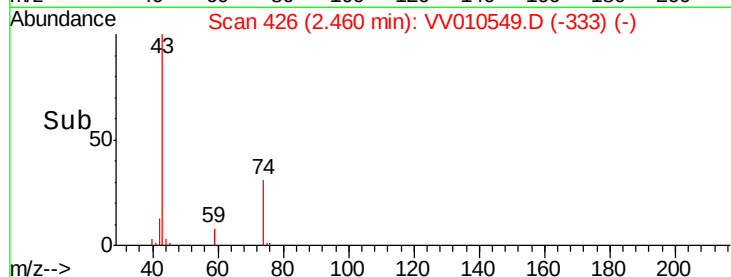
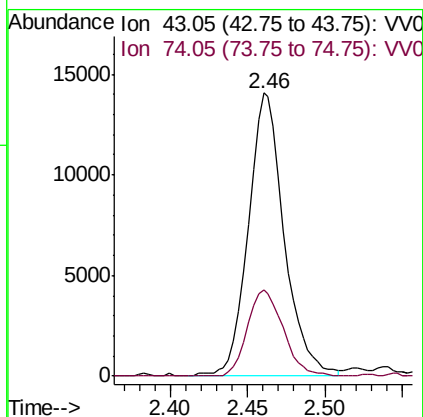
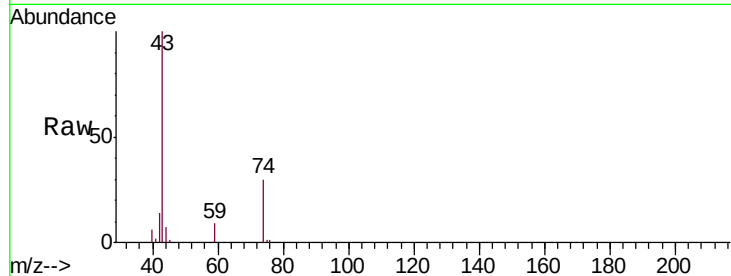




#15
Methyl Acetate
Concen: 4.686 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

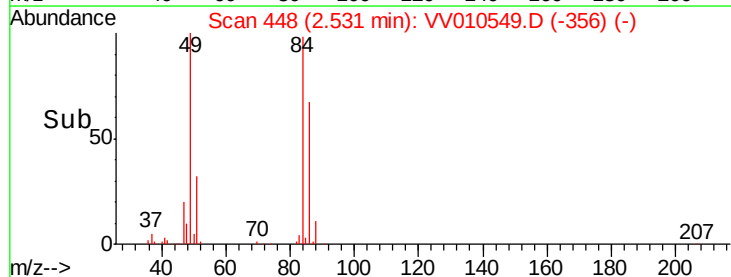
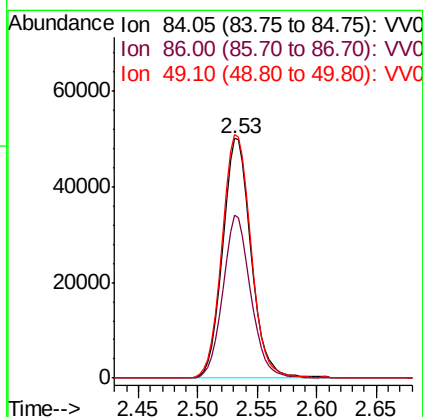
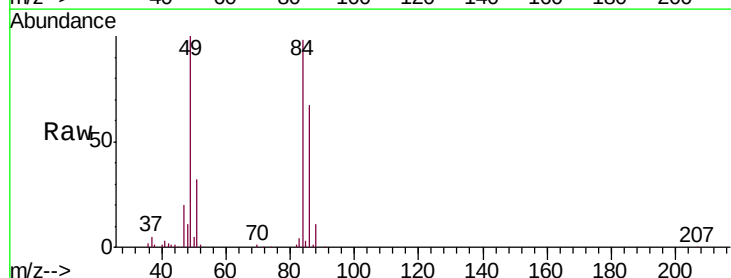
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

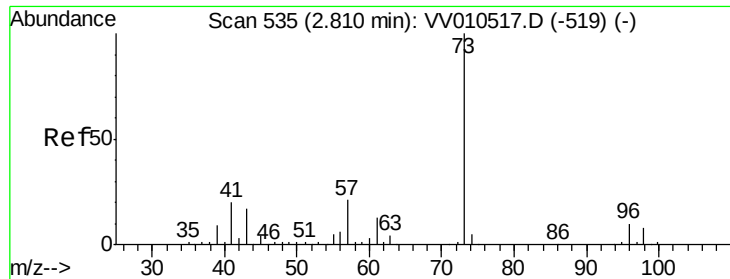
Tgt Ion: 43 Resp: 22754
Ion Ratio Lower Upper
43 100
74 30.3 24.2 36.2



#16
Methylene chloride
Concen: 4.853 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Tgt Ion: 84 Resp: 82995
Ion Ratio Lower Upper
84 100
86 67.8 43.7 81.1
49 101.6 71.4 132.6

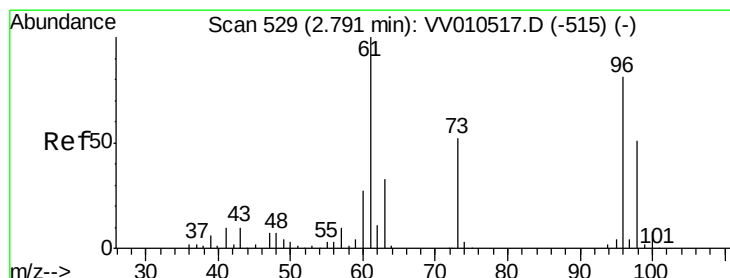
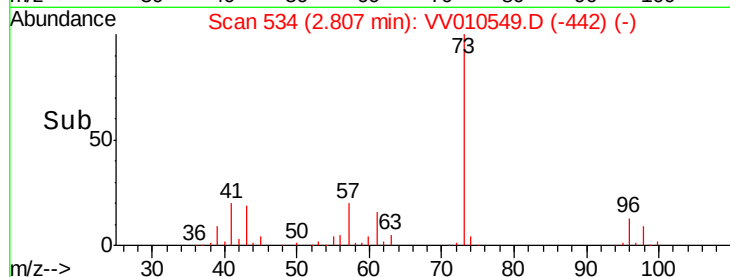
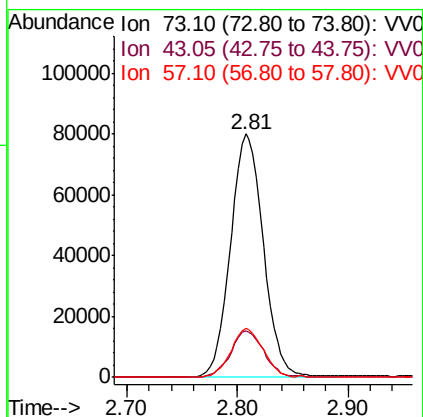
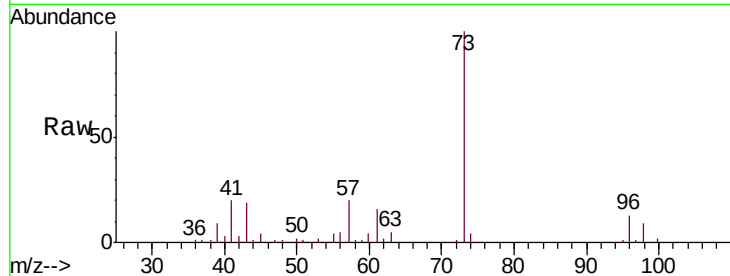




#17
Methyl tert-butyl Ether
Concen: 5.064 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

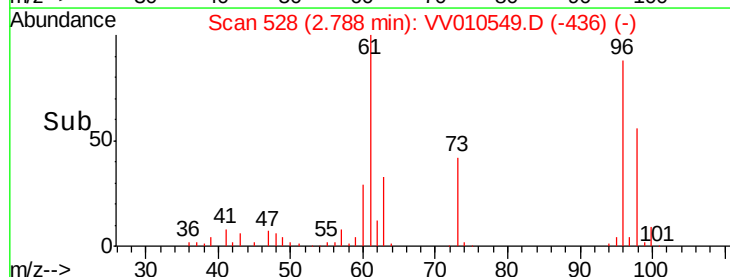
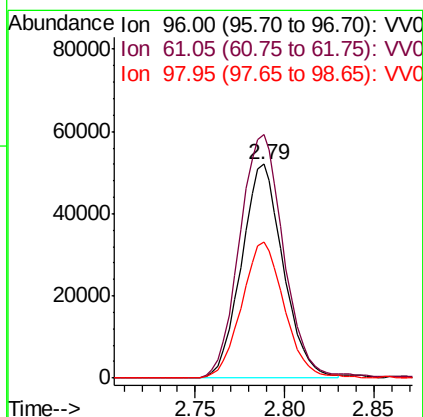
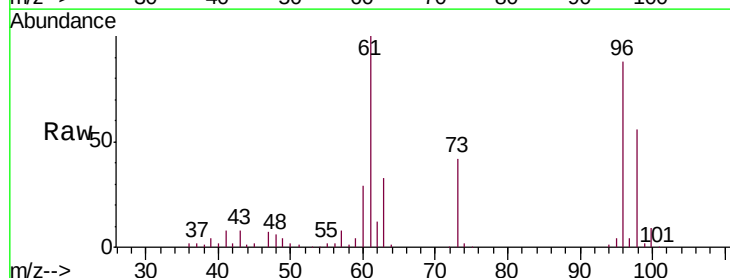
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

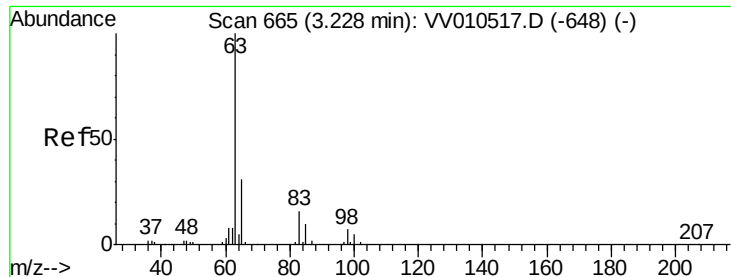
Tgt Ion: 73 Resp: 165784
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.0
57 19.7 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 5.276 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Tgt Ion: 96 Resp: 85221
Ion Ratio Lower Upper
96 100
61 113.8 80.2 148.9
98 63.7 43.3 80.3

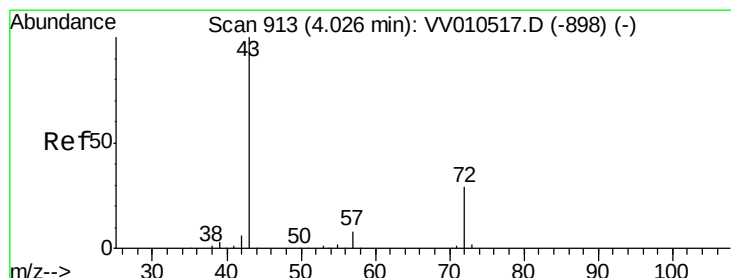
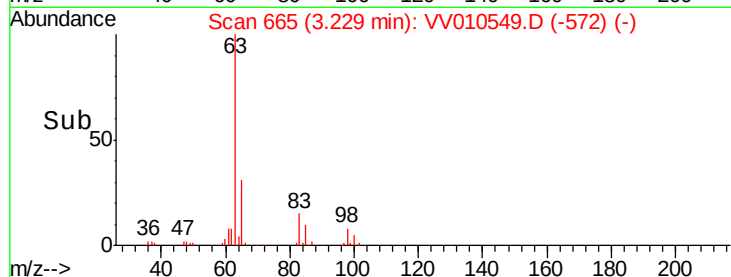
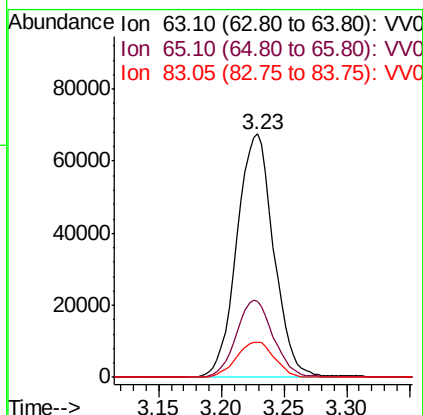
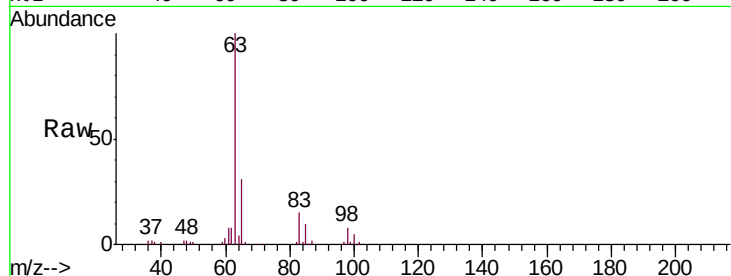




#19
 1,1-Dichloroethane
 Concen: 5.189 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

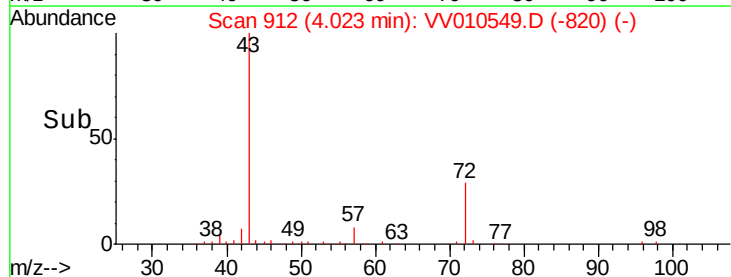
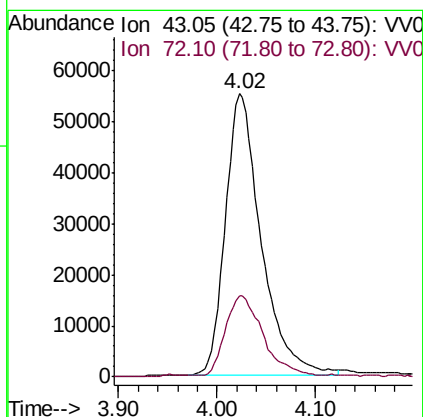
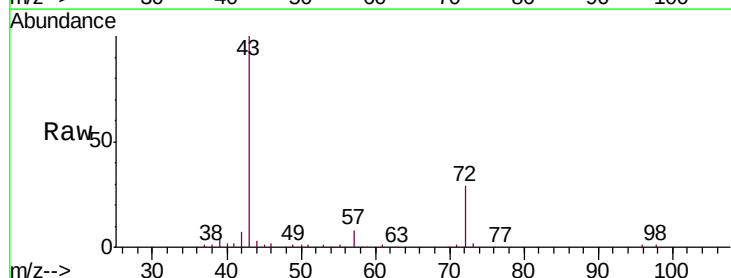
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

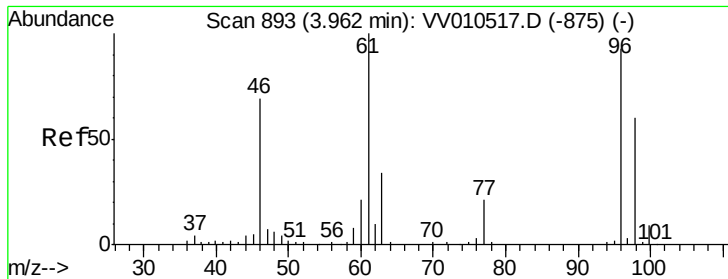
Tgt Ion: 63 Resp: 138197
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.6 42.0
 83 14.6 9.8 18.2



#21
 2-Butanone
 Concen: 46.288 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 43 Resp: 140004
 Ion Ratio Lower Upper
 43 100
 72 29.5 14.6 43.8

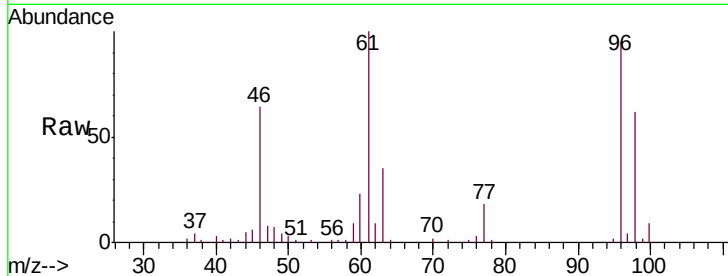




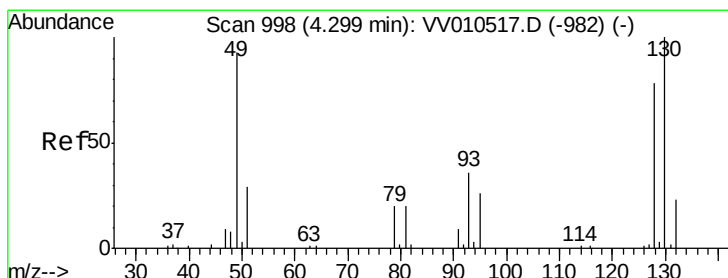
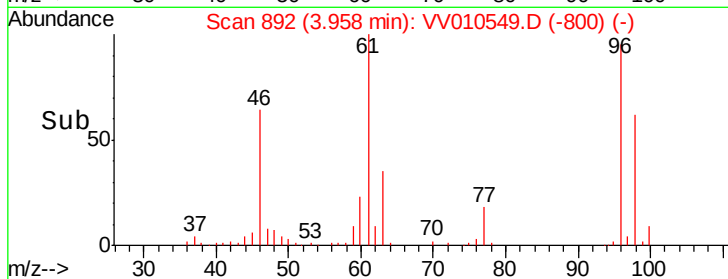
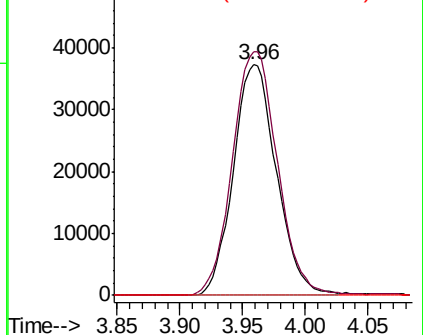
#22
 cis-1,2-Dichloroethene
 Concen: 5.116 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00551

Tgt Ion: 96 Resp: 89210
 Ion Ratio Lower Upper
 96 100
 61 105.6 79.9 148.3
 68 0.0 0.0 0.0

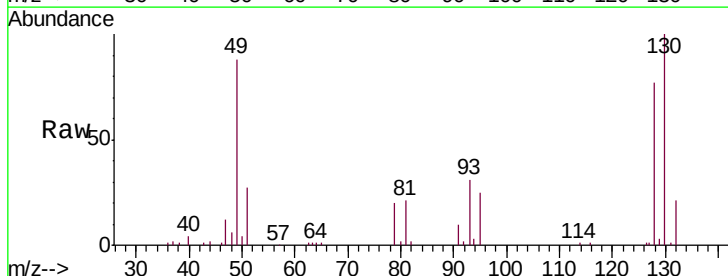


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

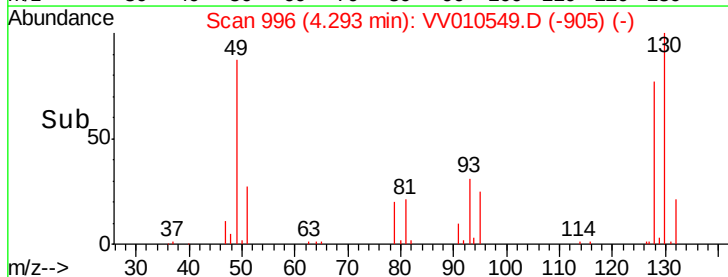
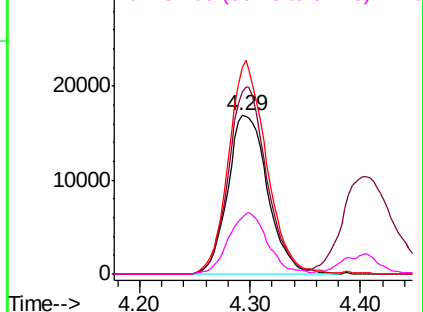


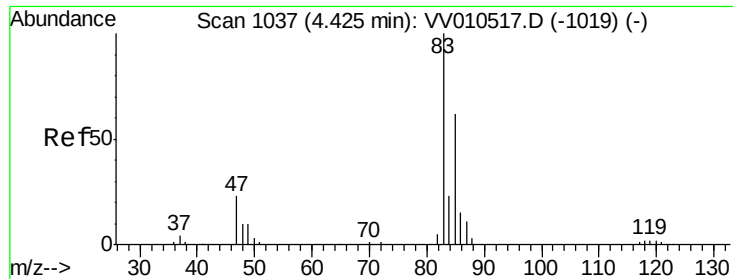
#23
 Bromochloromethane
 Concen: 5.186 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 128 Resp: 42272
 Ion Ratio Lower Upper
 128 100
 49 114.3 82.3 152.9
 130 130.3 89.8 166.8
 51 35.5 29.0 43.6



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

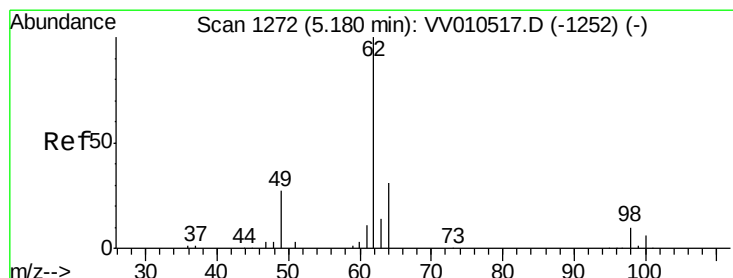
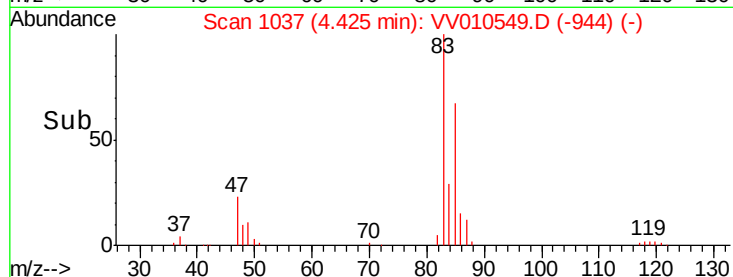
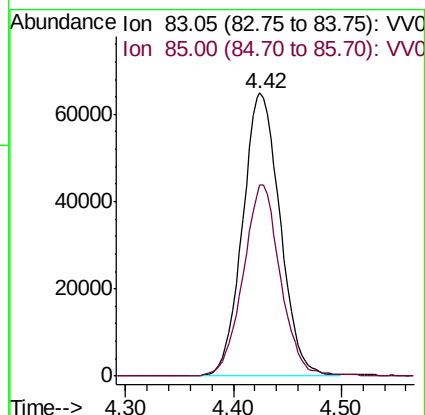
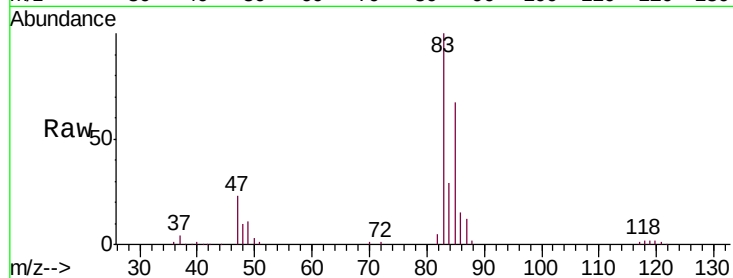




#25
Chloroform
Concen: 5.176 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

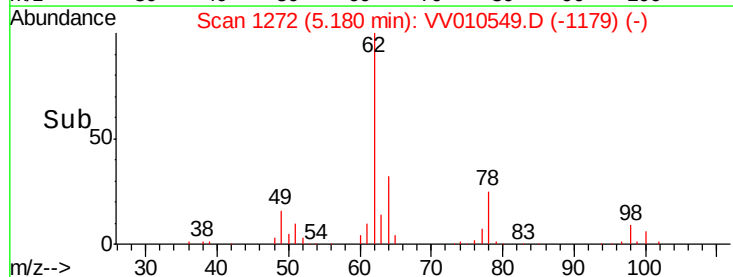
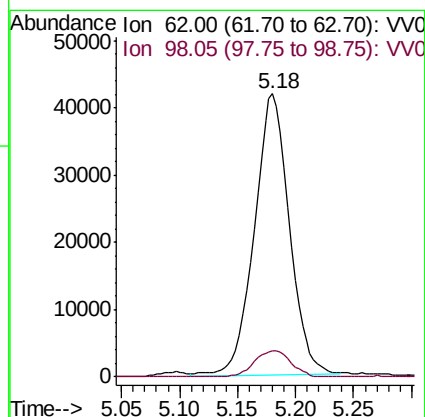
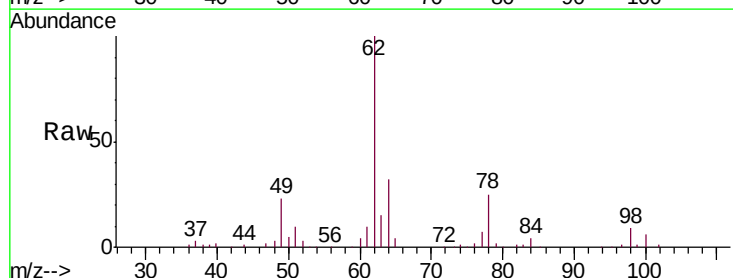
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

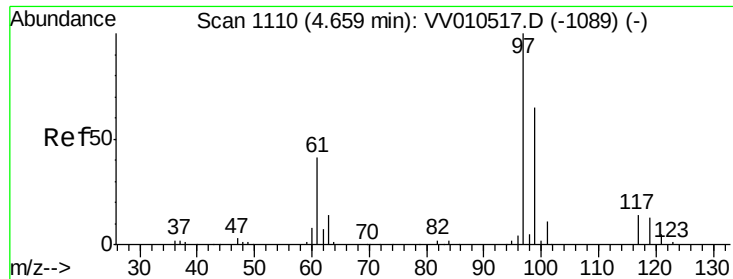
Tgt Ion: 83 Resp: 156367
Ion Ratio Lower Upper
83 100
85 67.5 43.6 81.0



#27
1,2-Dichloroethane
Concen: 5.117 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Tgt Ion: 62 Resp: 88024
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

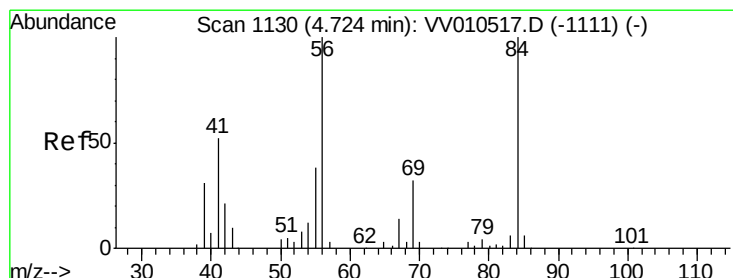
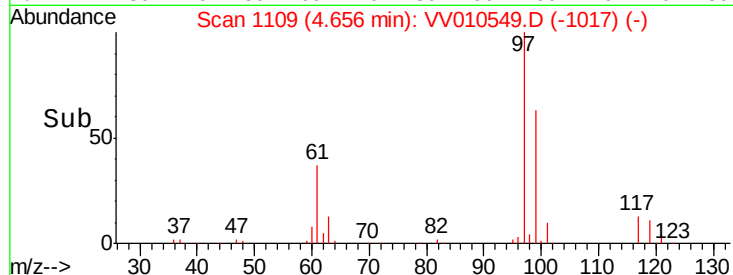
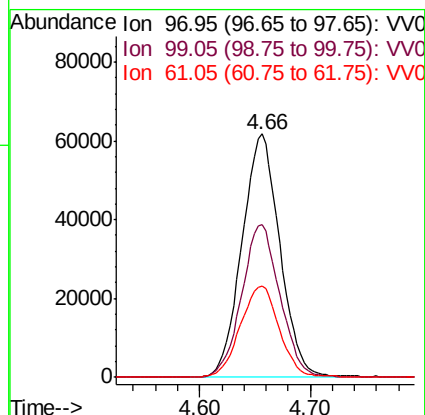
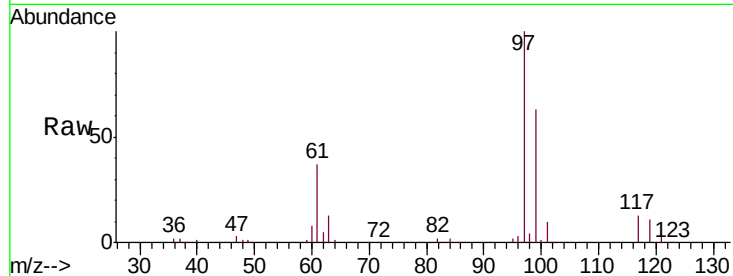




#29
 1,1,1-Trichloroethane
 Concen: 5.531 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

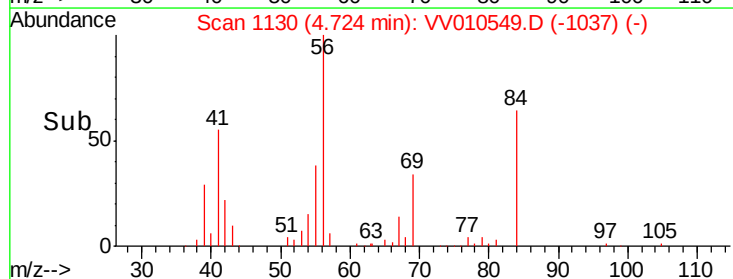
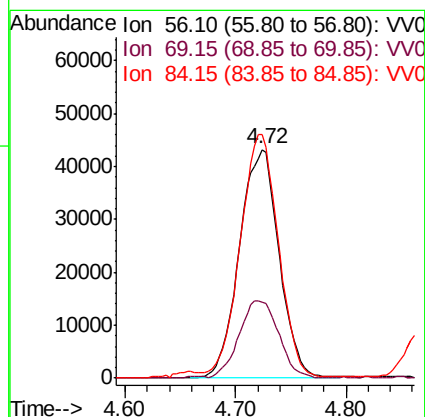
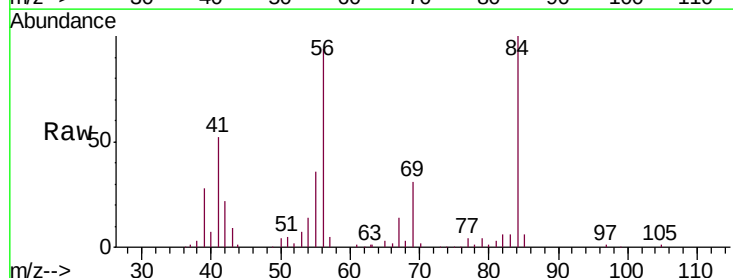
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

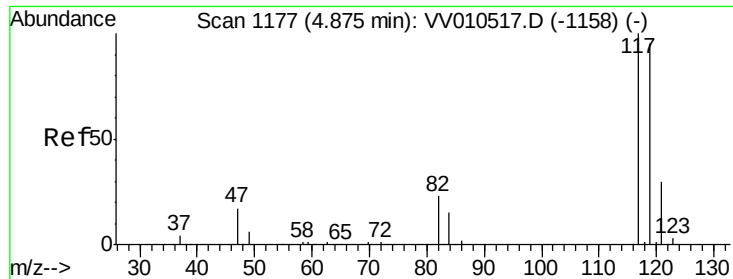
Tgt Ion: 97 Resp: 146980
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.8 77.6
 61 38.5 31.6 47.4



#30
 Cyclohexane
 Concen: 5.601 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 56 Resp: 107879
 Ion Ratio Lower Upper
 56 100
 69 33.6 27.1 40.7
 84 102.2 80.4 120.6





#31

Carbon tetrachloride

Concen: 5.622 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

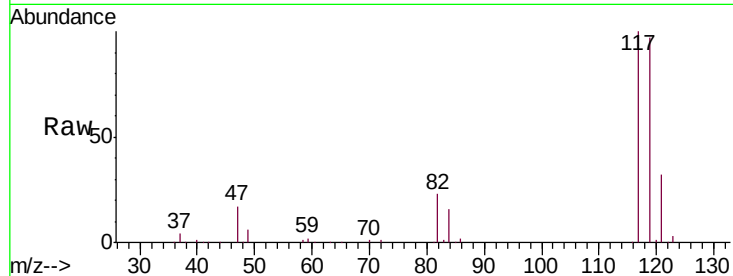
VSTD00551

Tgt Ion:117 Resp: 142875

Ion Ratio Lower Upper

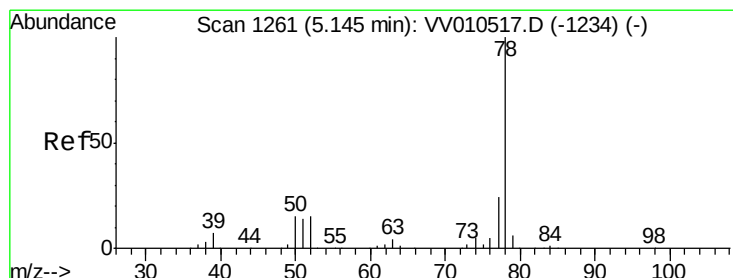
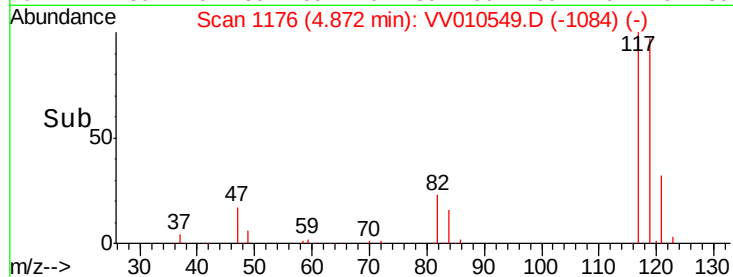
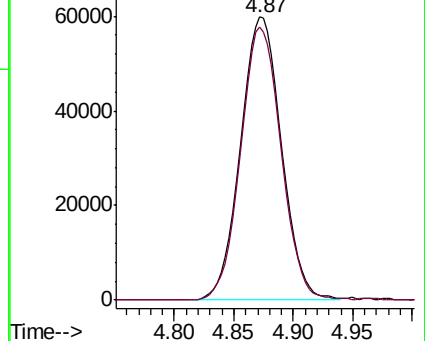
117 100

119 95.4 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.358 ug/L

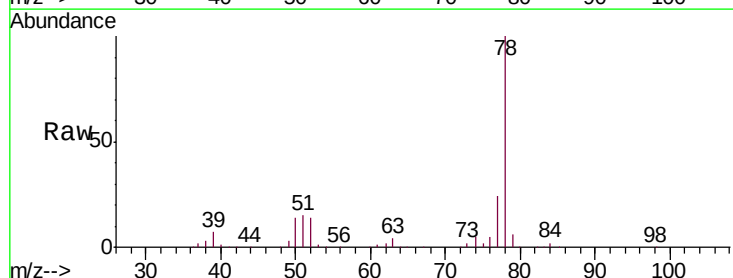
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

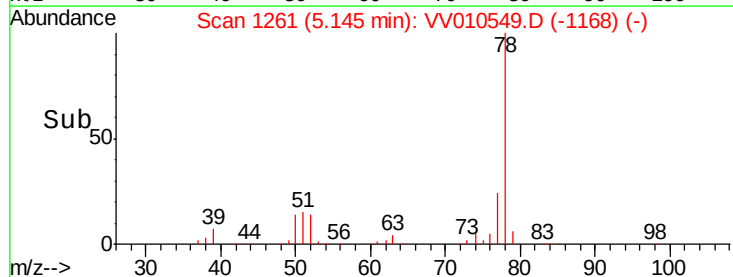
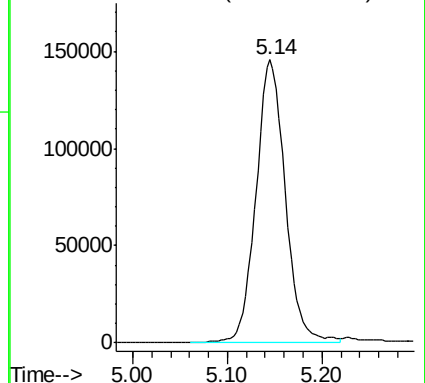
Lab File: VV010549.D

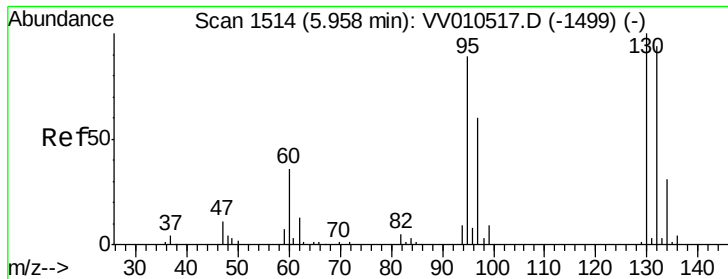
Acq: 29 Apr 2019 16:07

Tgt Ion: 78 Resp: 314559



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.428 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion: 95 Resp: 92745

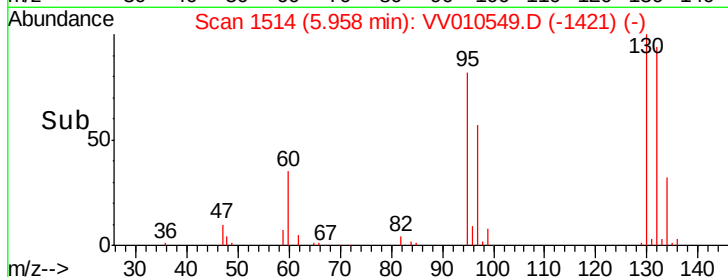
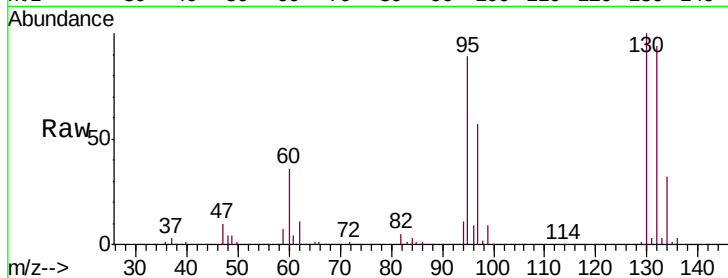
Ion Ratio Lower Upper

95 100

97 64.0 43.3 80.5

132 105.5 74.1 137.5

130 111.9 79.5 147.6



Abundance Ion 95.00 (94.70 to 95.70): VV010549.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV010549.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV010549.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV010549.D (-1421) (-)

Time-->

5.85 5.90 5.95 6.00 6.05

Abundance

80000

60000

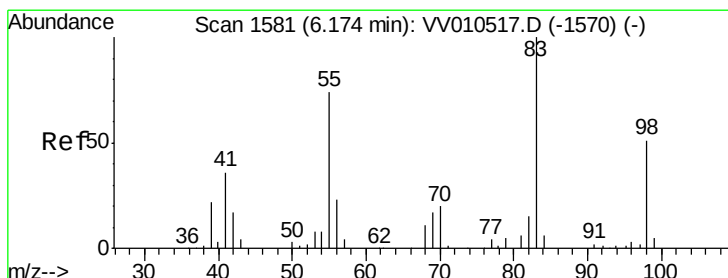
40000

20000

0

Time-->

5.85 5.90 5.95 6.00 6.05



#35

Methylcyclohexane

Concen: 5.647 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

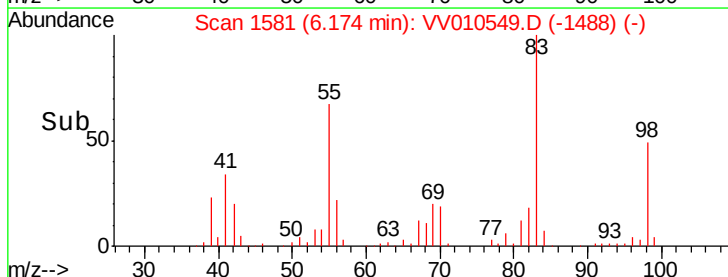
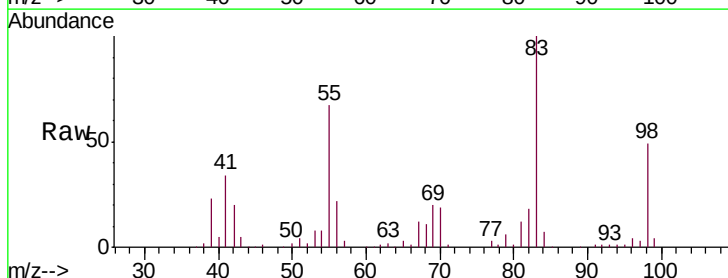
Tgt Ion: 83 Resp: 125216

Ion Ratio Lower Upper

83 100

55 71.7 58.0 87.0

98 51.2 40.4 60.6



Abundance Ion 83.15 (82.85 to 83.85): VV010549.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV010549.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV010549.D (-1488) (-)

Time-->

6.10 6.15 6.20 6.25

Abundance

80000

60000

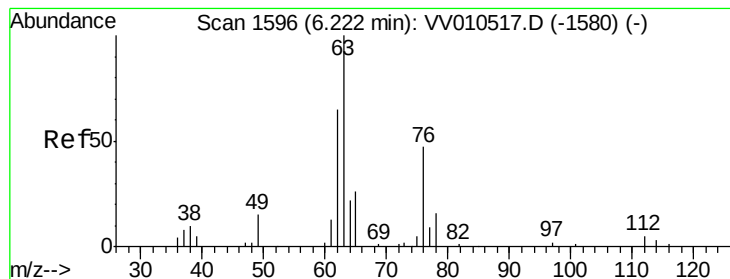
40000

20000

0

Time-->

6.10 6.15 6.20 6.25



#37

1,2-Dichloropropane

Concen: 5.216 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampled :

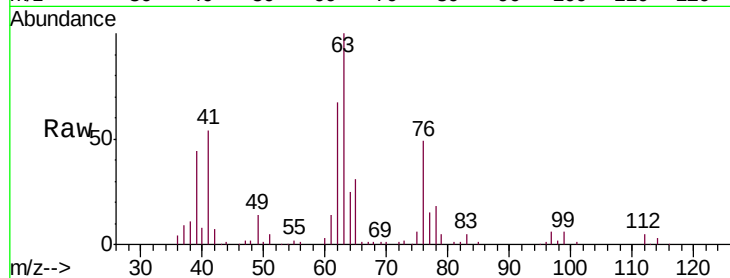
VSTD00551

Tgt Ion: 63 Resp: 70588

Ion Ratio Lower Upper

63 100

112 5.8 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV010517.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV010517.D (-1580) (-)

6.22

40000

30000

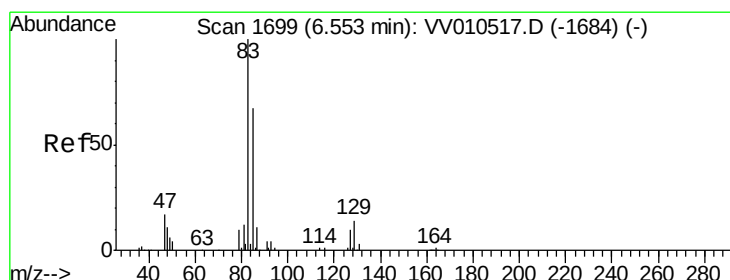
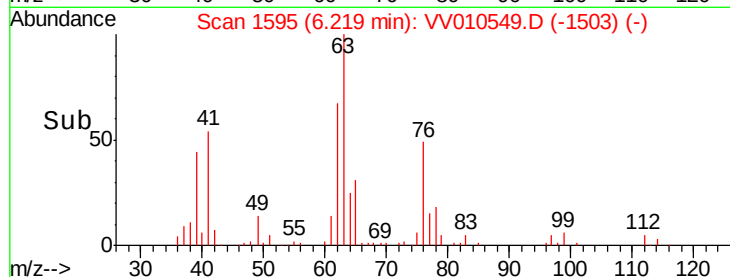
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.401 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

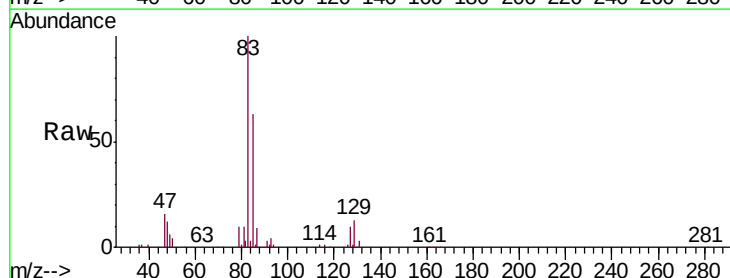
Tgt Ion: 83 Resp: 104951

Ion Ratio Lower Upper

83 100

85 62.7 47.5 88.1

127 10.1 8.2 12.4



Abundance Ion 82.95 (82.65 to 83.65): VV010517.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV010517.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV010517.D (-1684) (-)

6.55

60000

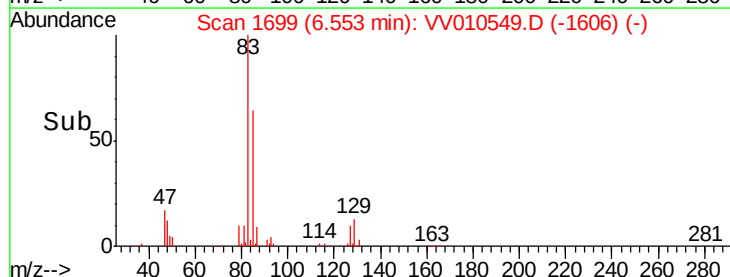
40000

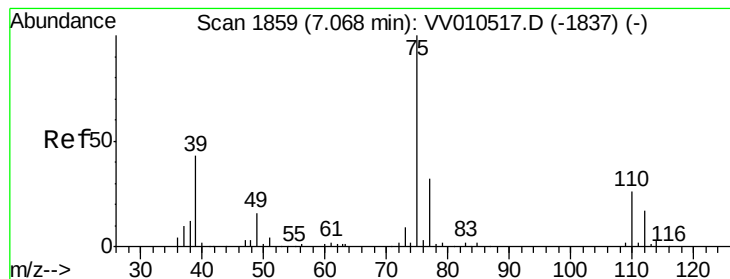
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->



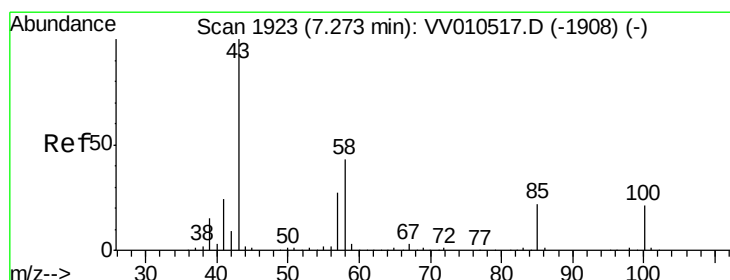
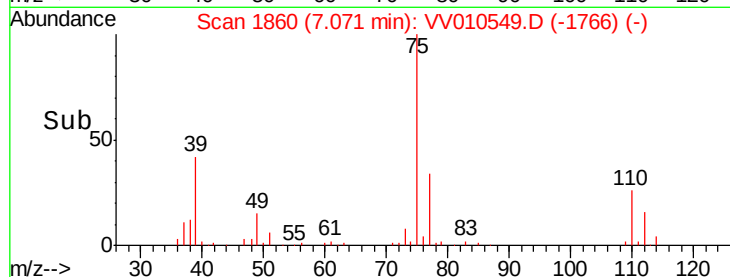
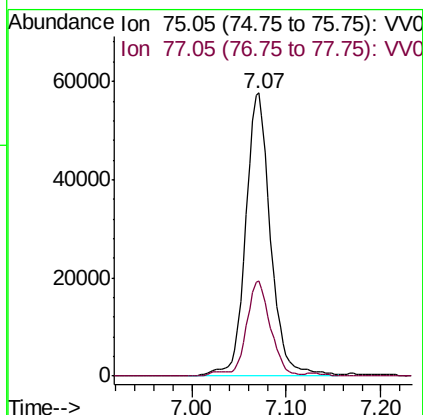
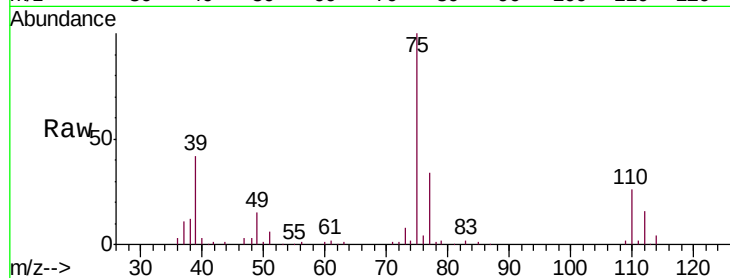


#39

cis-1,3-Dichloropropene
 Concen: 5.426 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

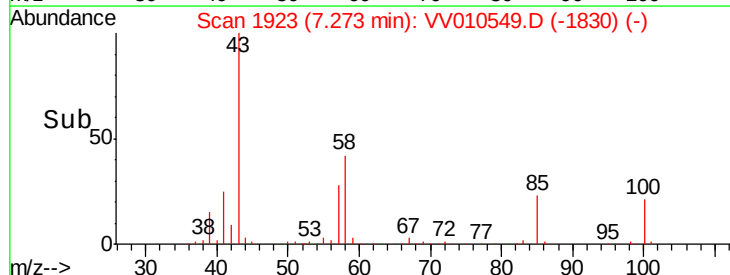
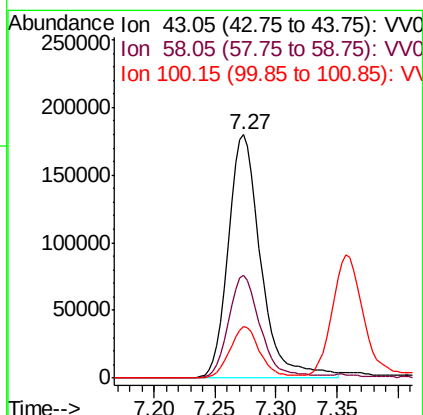
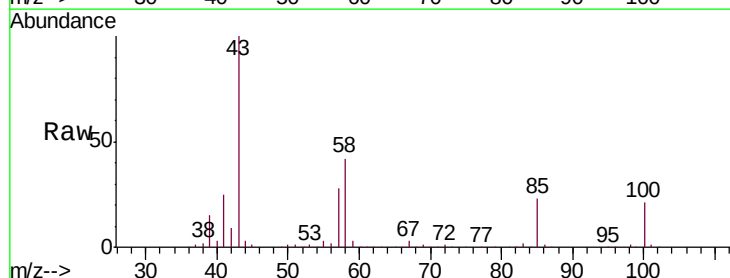
Tgt Ion: 75 Resp: 106027
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.6 40.0

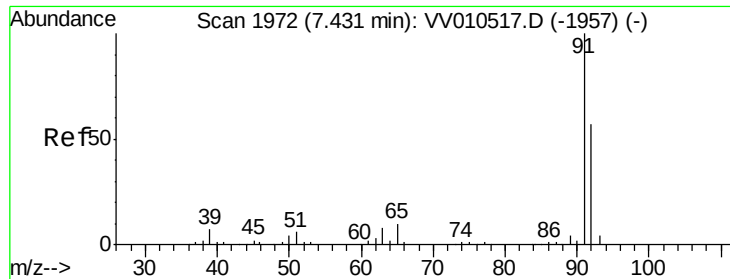


#40

4-Methyl-2-pentanone
 Concen: 46.946 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 43 Resp: 336977
 Ion Ratio Lower Upper
 43 100
 58 41.2 31.9 47.9
 100 19.9 15.0 22.4





#42

Toluene

Concen: 5.595 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

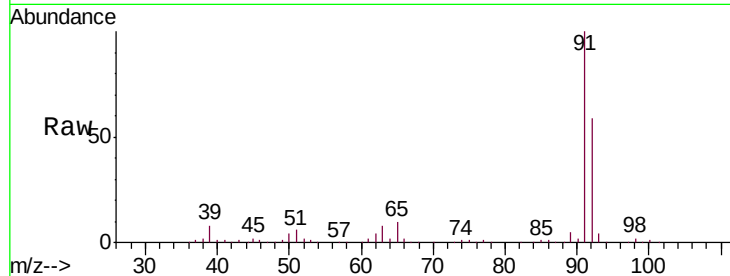
VSTD00551

Tgt Ion: 91 Resp: 360535

Ion Ratio Lower Upper

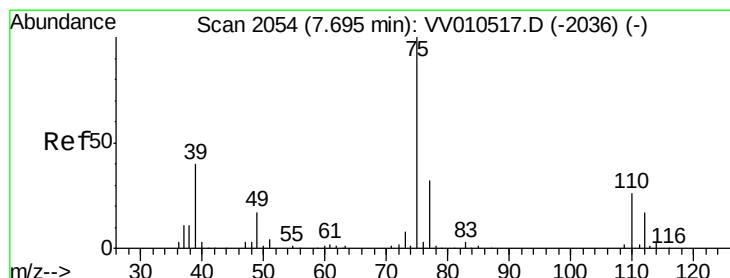
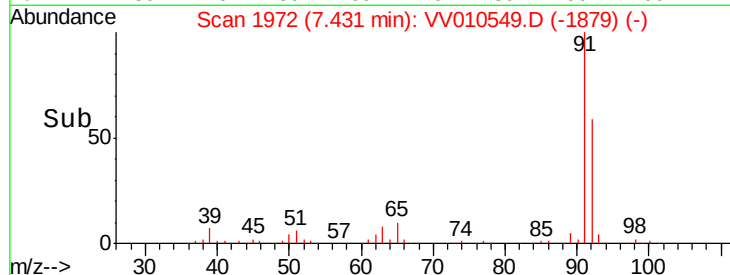
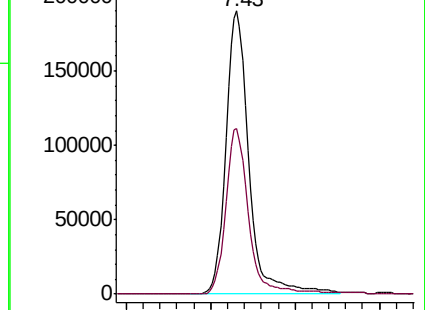
91 100

92 58.6 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.211 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010549.D

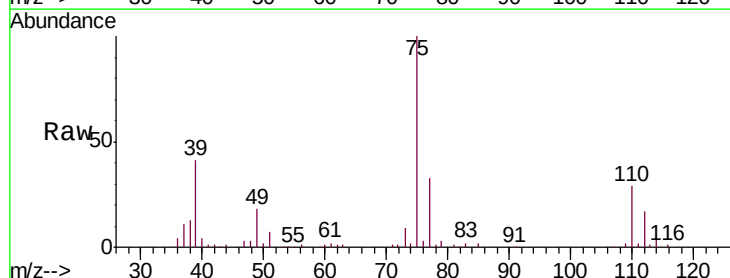
Acq: 29 Apr 2019 16:07

Tgt Ion: 75 Resp: 80060

Ion Ratio Lower Upper

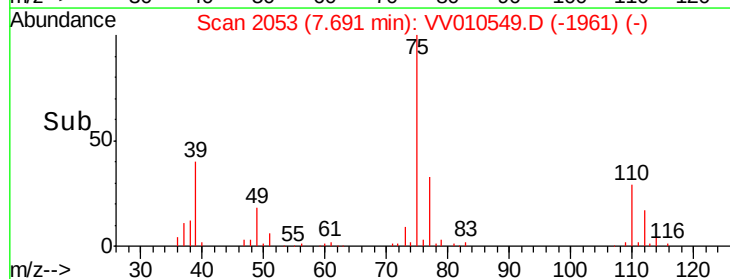
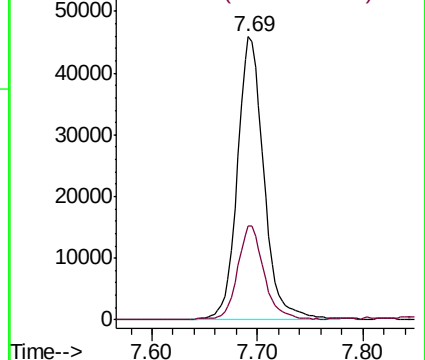
75 100

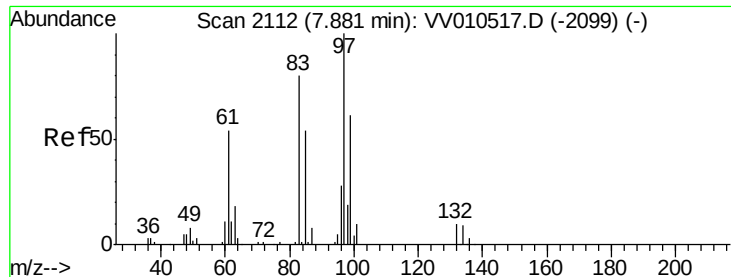
77 33.4 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

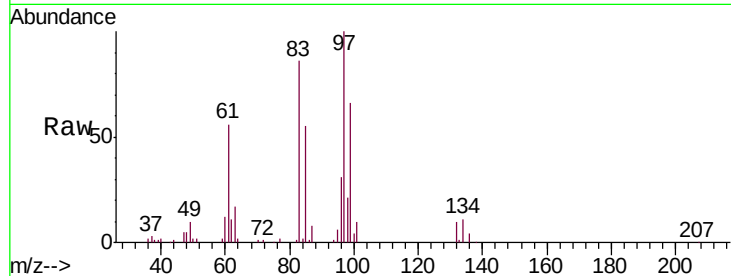




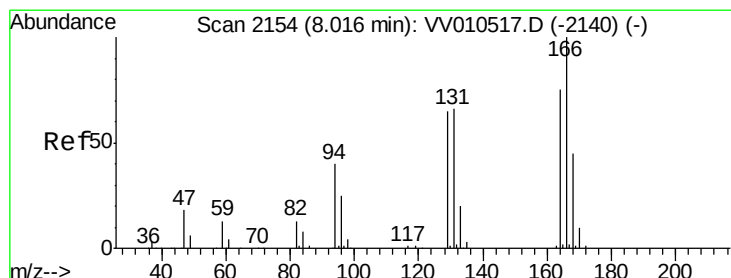
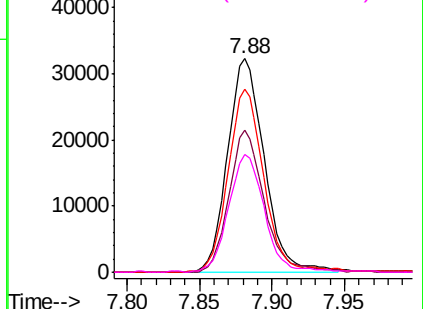
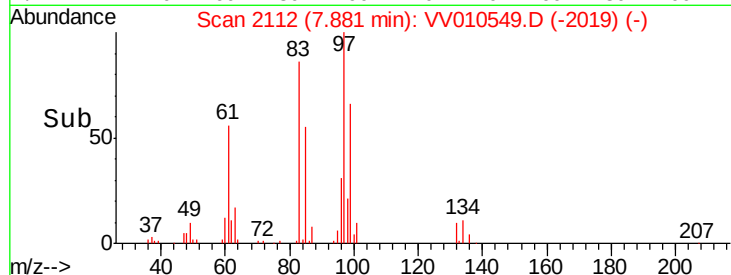
#45
 1,1,2-Trichloroethane
 Concen: 4.938 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion: 97 Resp: 56664
 Ion Ratio Lower Upper
 97 100
 99 66.3 39.5 73.4
 83 85.6 57.7 107.3
 85 54.9 32.8 61.0

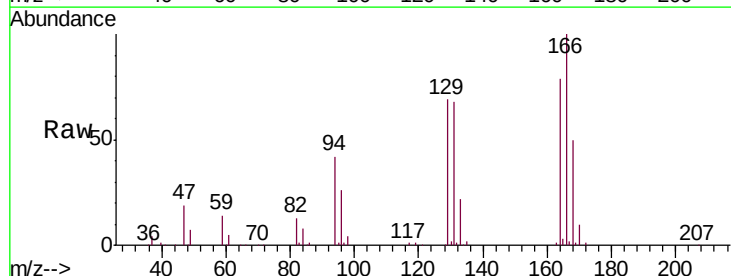


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

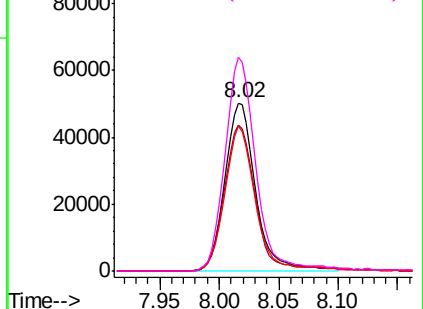
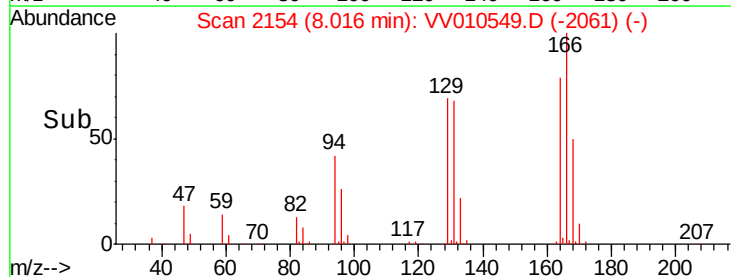


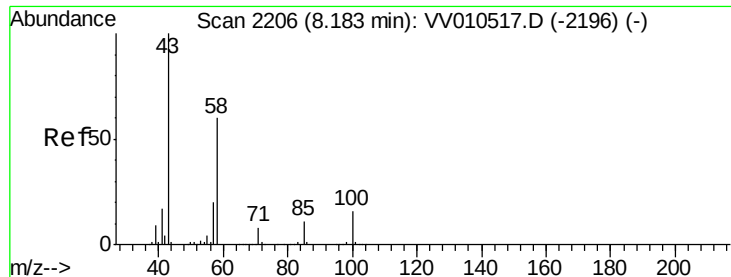
#47
 Tetrachloroethene
 Concen: 5.629 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 164 Resp: 89861
 Ion Ratio Lower Upper
 164 100
 129 87.2 62.2 115.4
 131 86.1 61.5 114.1
 166 127.1 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

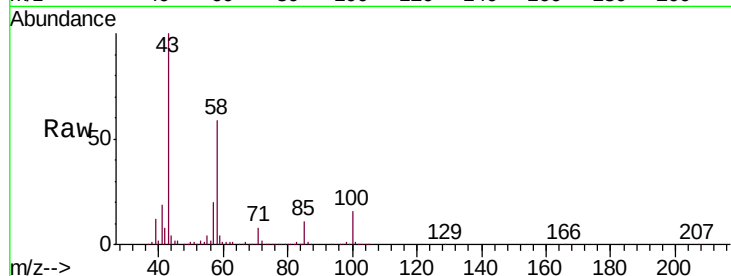




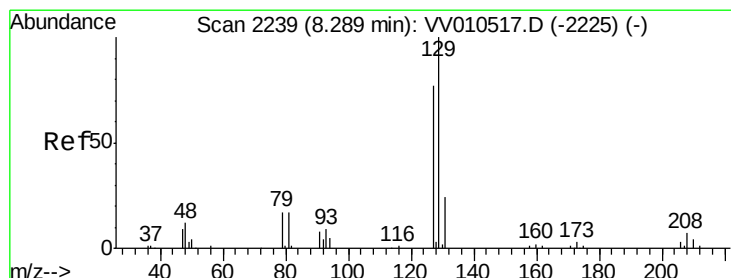
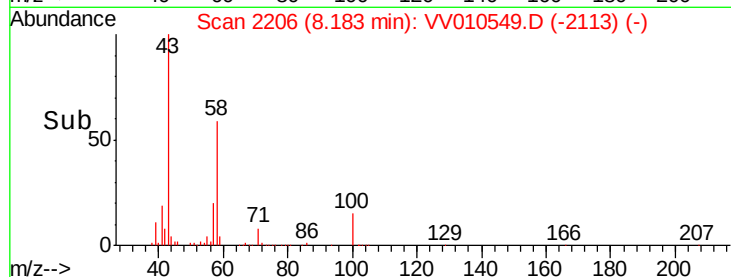
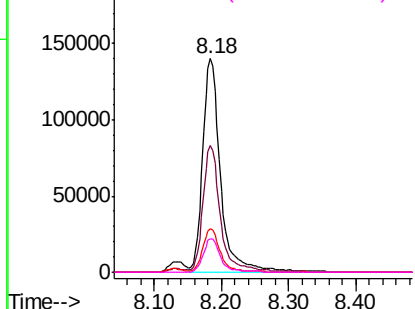
#48
2-Hexanone
Concen: 51.303 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion: 43 Resp: 256935
Ion Ratio Lower Upper
43 100
58 56.5 43.1 64.7
57 19.6 16.3 24.5
100 15.3 11.8 17.8

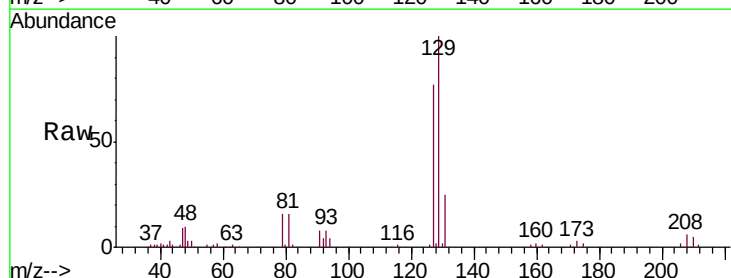


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

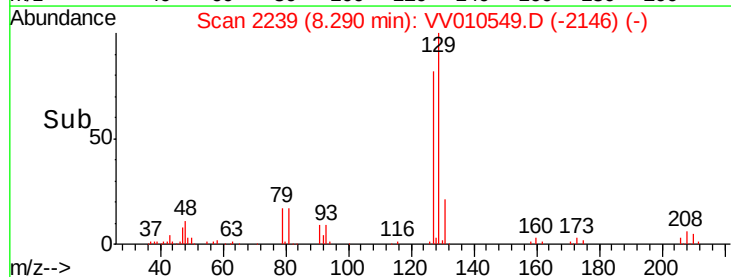
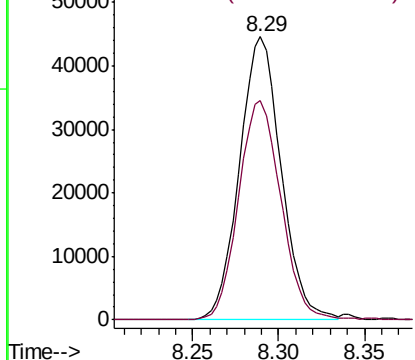


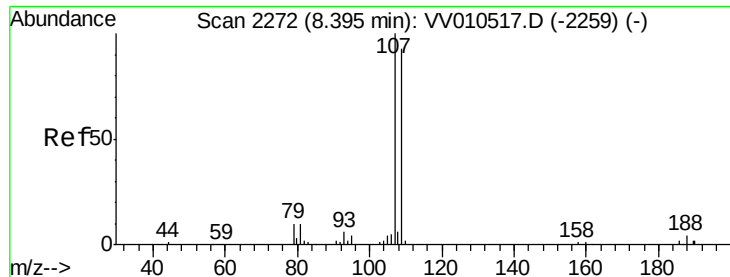
#49
Dibromochloromethane
Concen: 5.315 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Tgt Ion: 129 Resp: 74993
Ion Ratio Lower Upper
129 100
127 77.5 51.9 96.5



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

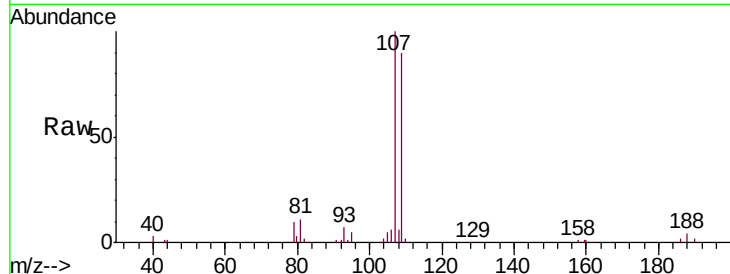




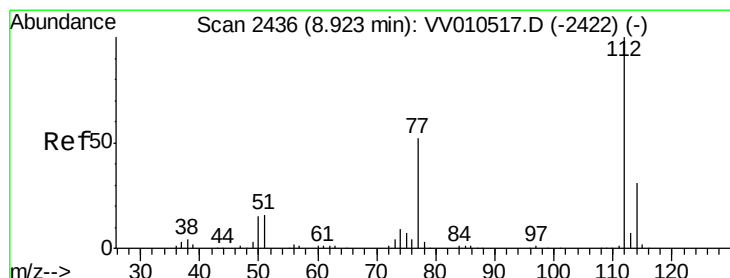
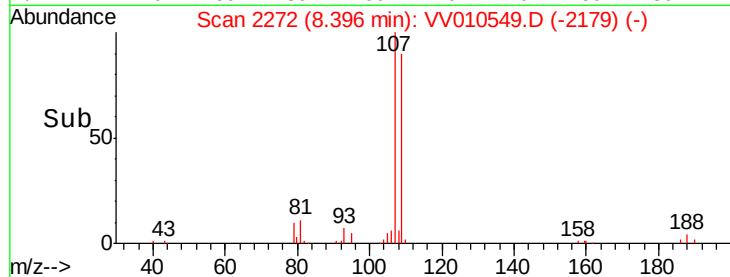
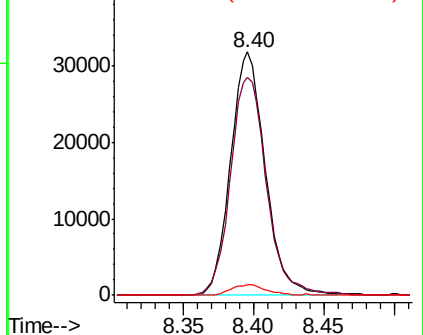
#50
1,2-Dibromoethane
Concen: 5.166 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:107 Resp: 54748
Ion Ratio Lower Upper
107 100
109 89.5 65.5 121.6
188 4.4 3.6 5.4

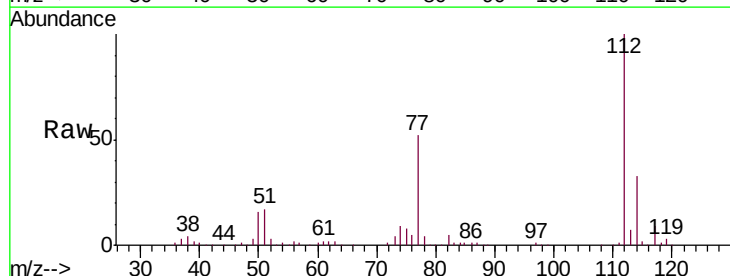


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

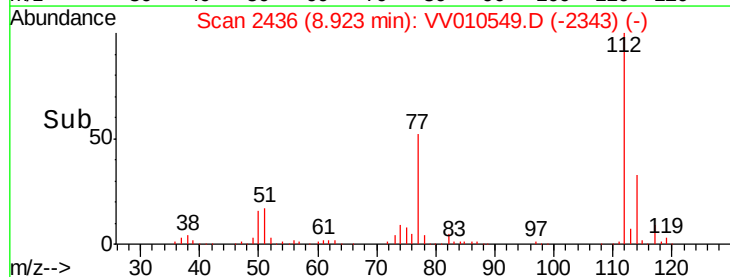
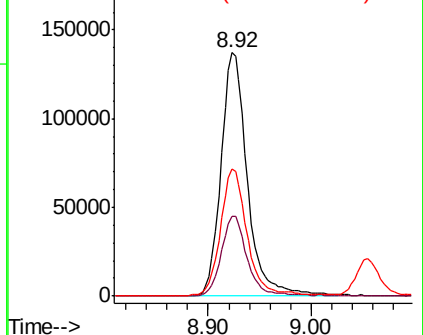


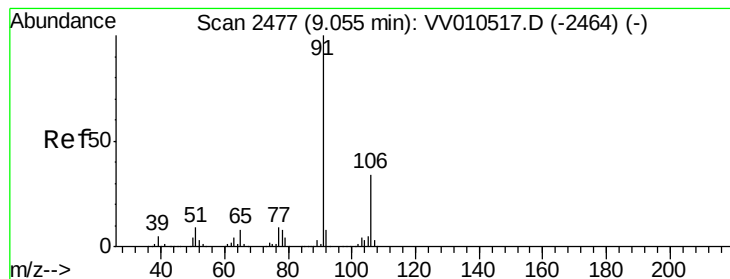
#51
Chlorobenzene
Concen: 5.399 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV010549.D
Acq: 29 Apr 2019 16:07

Tgt Ion:112 Resp: 244221
Ion Ratio Lower Upper
112 100
114 32.7 22.7 42.3
77 52.4 41.0 61.6



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





#52

Ethylbenzene

Concen: 5.641 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

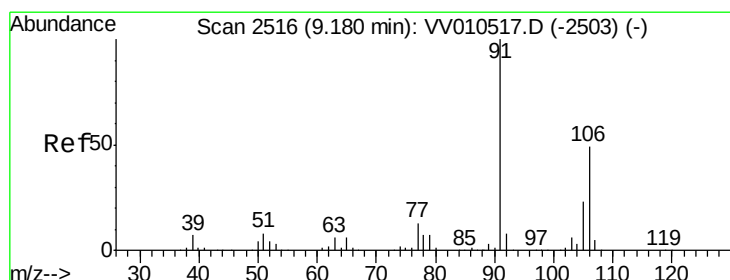
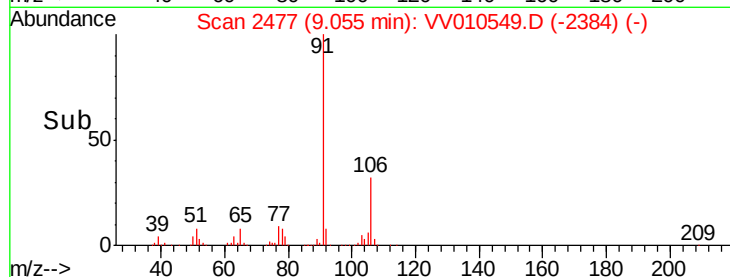
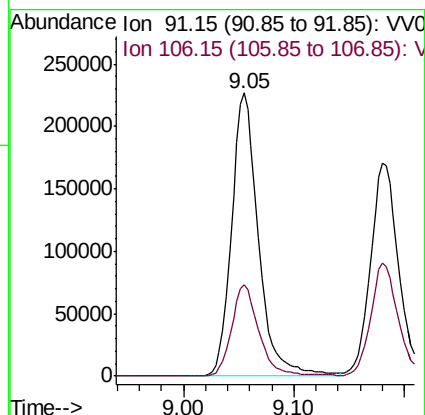
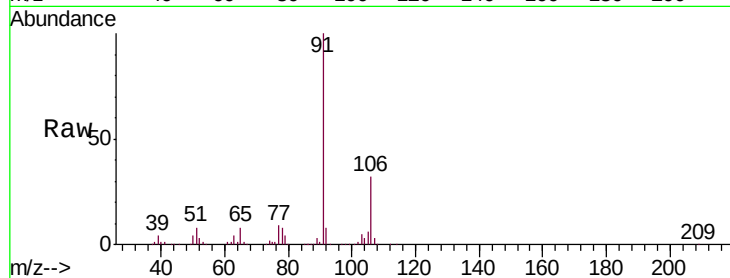
VSTD00551

Tgt Ion: 91 Resp: 383051

Ion Ratio Lower Upper

91 100

106 32.3 23.0 42.6



#53

m,p-xylene

Concen: 5.784 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010549.D

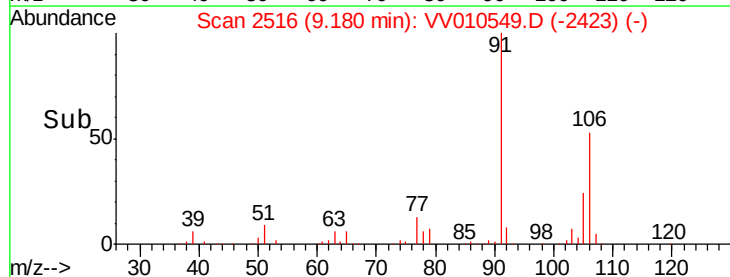
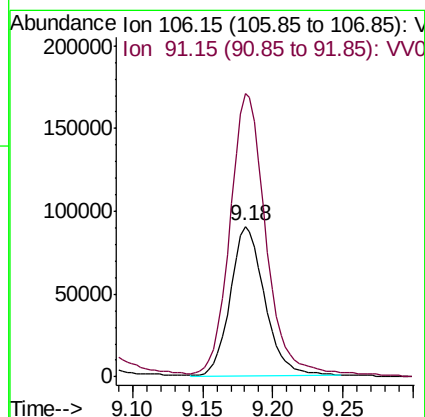
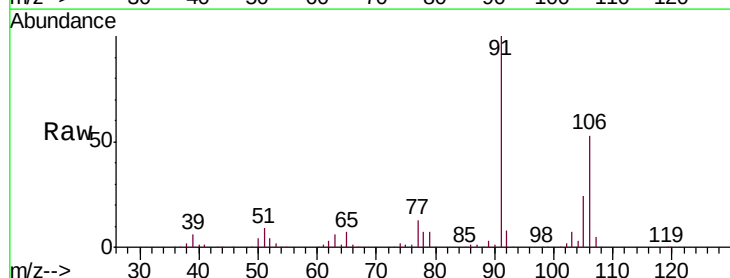
Acq: 29 Apr 2019 16:07

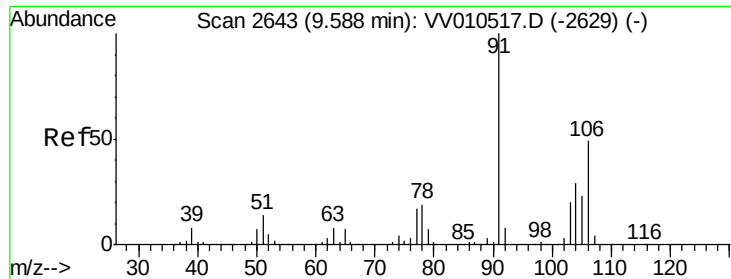
Tgt Ion: 106 Resp: 154255

Ion Ratio Lower Upper

106 100

91 188.3 140.5 260.9





#54

o-xylene

Concen: 5.728 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

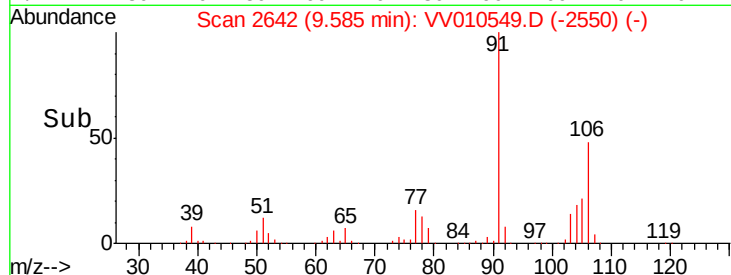
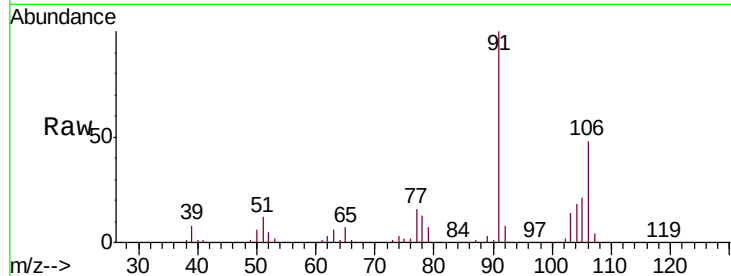
VSTD00551

Tgt Ion:106 Resp: 149369

Ion Ratio Lower Upper

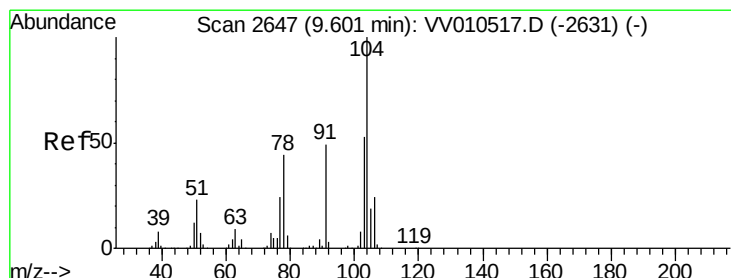
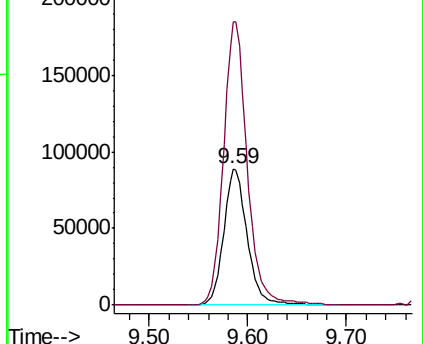
106 100

91 206.8 146.4 272.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.792 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010549.D

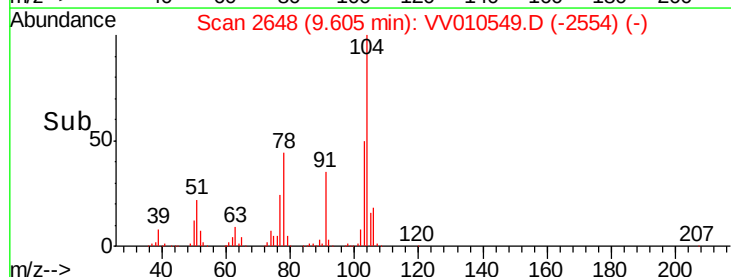
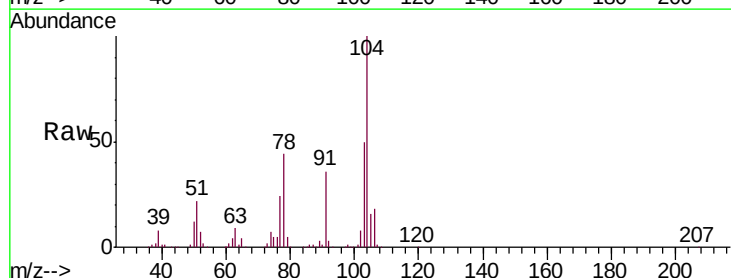
Acq: 29 Apr 2019 16:07

Tgt Ion:104 Resp: 249818

Ion Ratio Lower Upper

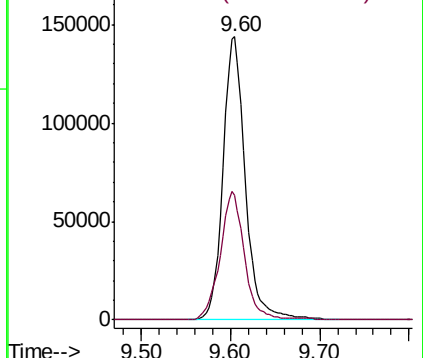
104 100

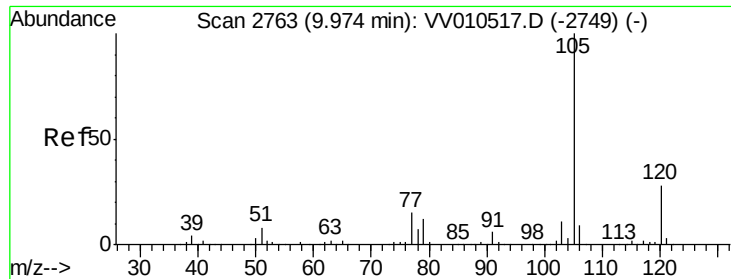
78 44.1 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.811 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

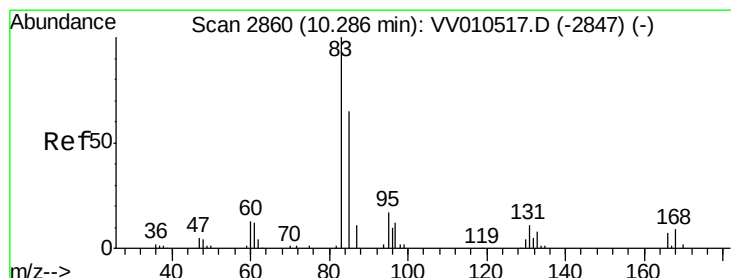
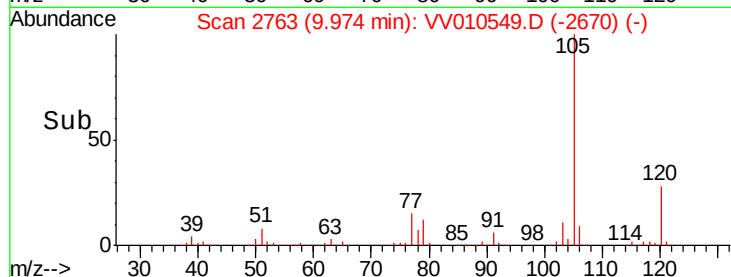
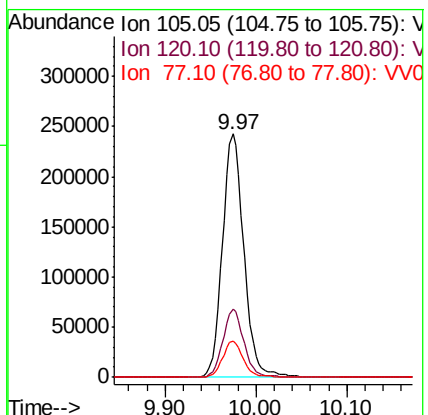
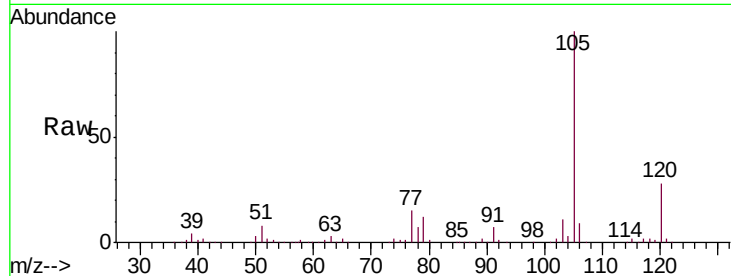
Tgt Ion: 105 Resp: 397233

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

77 14.5 11.6 17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 4.615 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

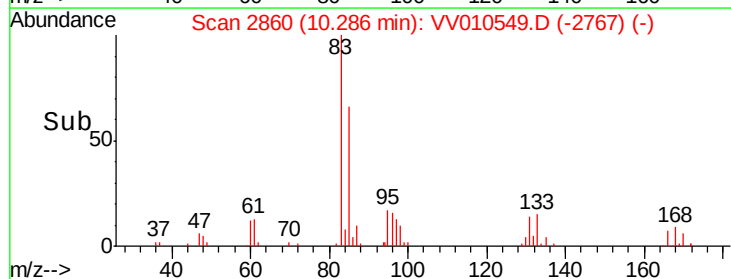
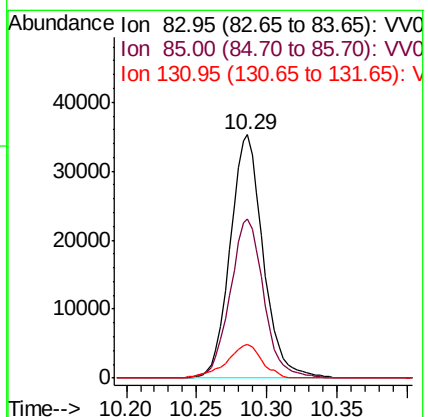
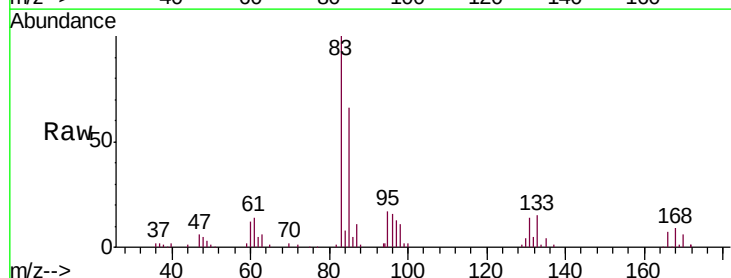
Tgt Ion: 83 Resp: 57761

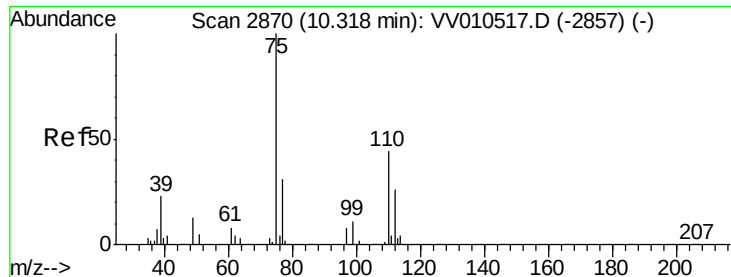
Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.6

131 13.8 9.8 14.8

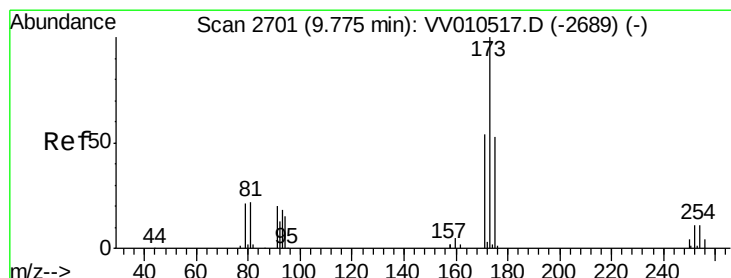
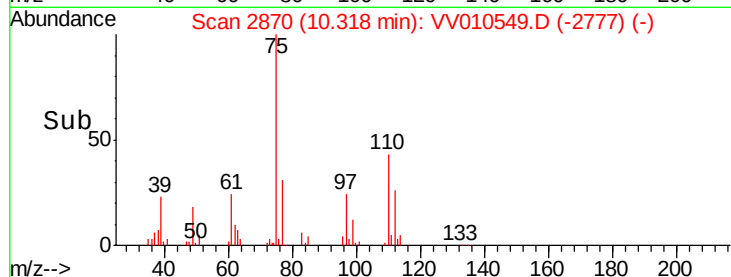
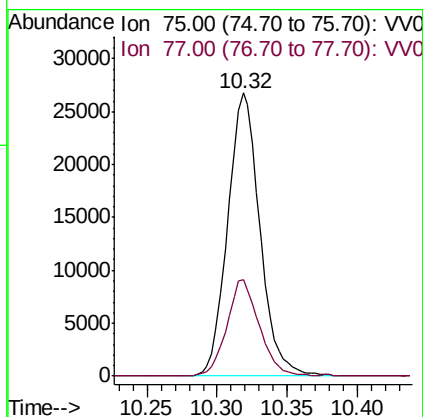
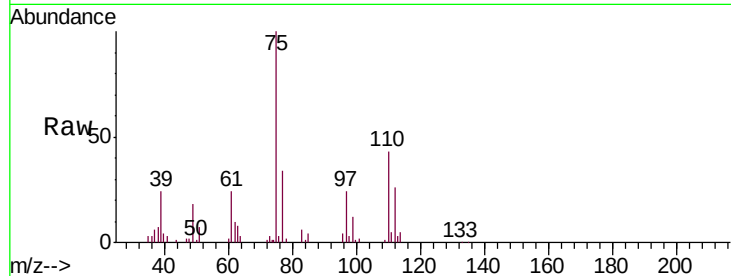




#59
 1,2,3-Trichloropropane
 Concen: 4.924 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

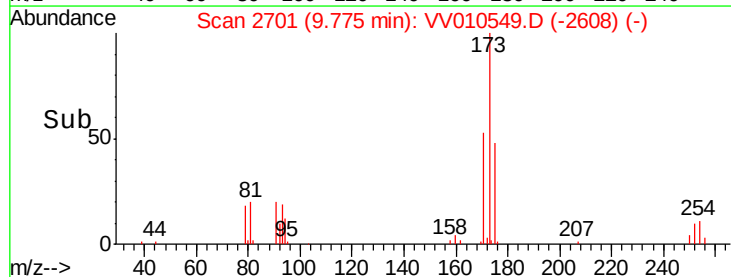
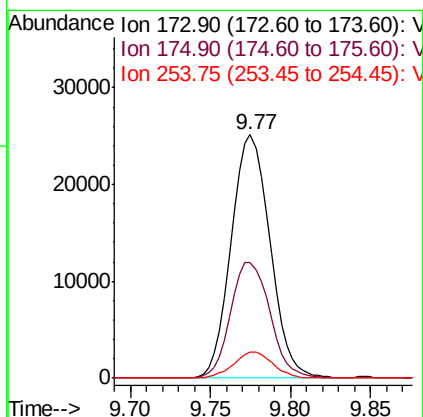
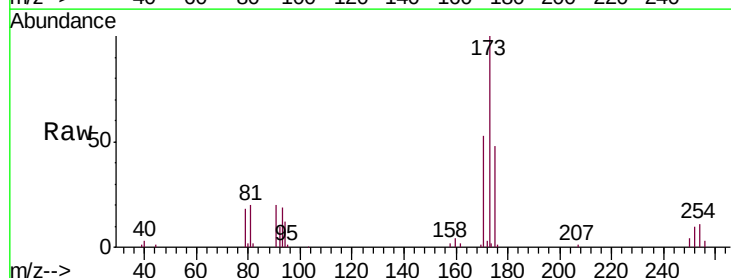
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

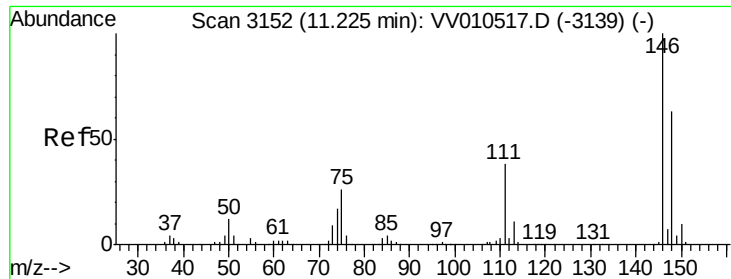
Tgt Ion: 75 Resp: 42675
 Ion Ratio Lower Upper
 75 100
 77 34.1 26.9 40.3



#61
 Bromoform
 Concen: 5.369 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 173 Resp: 41572
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.1 58.7
 254 10.8 8.8 13.2

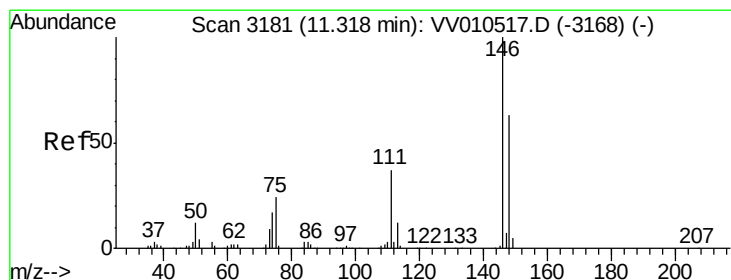
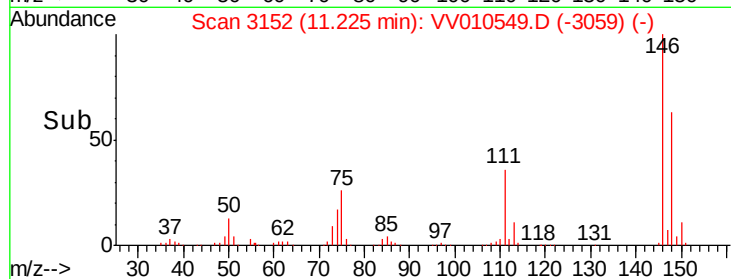
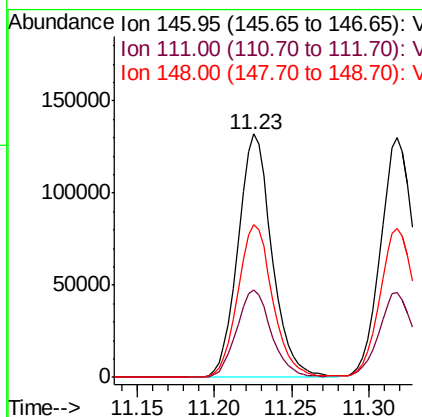
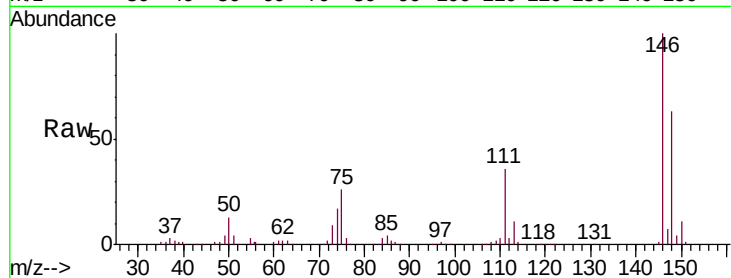




#62
 1,3-Dichlorobenzene
 Concen: 5.474 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

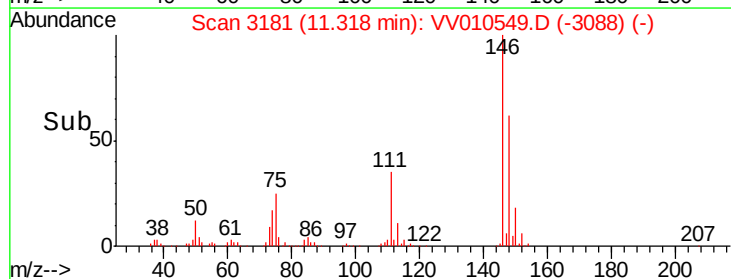
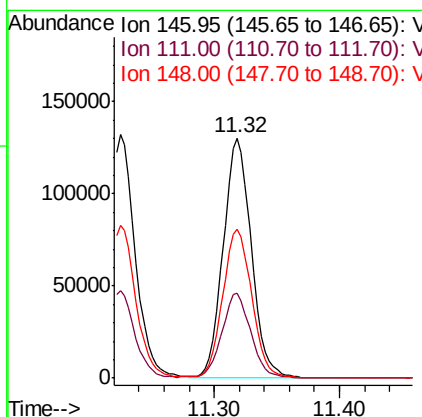
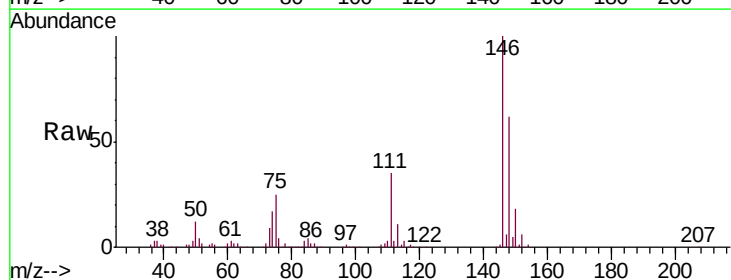
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

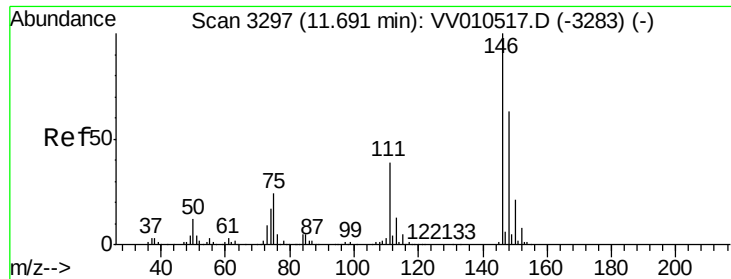
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	26.0	48.4
148	62.6	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 5.353 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	24.3	45.1
148	61.8	44.9	83.3

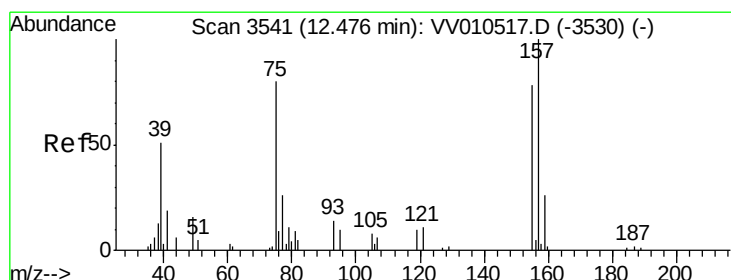
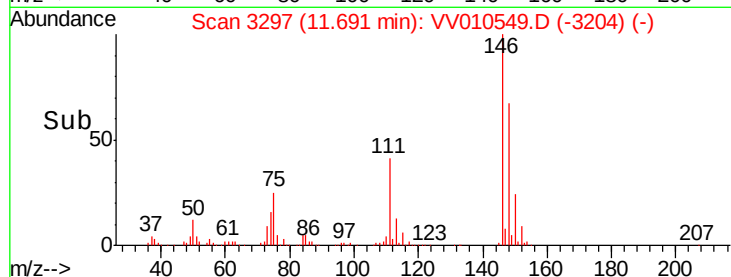
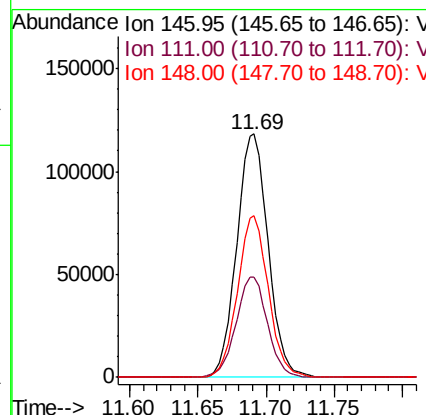
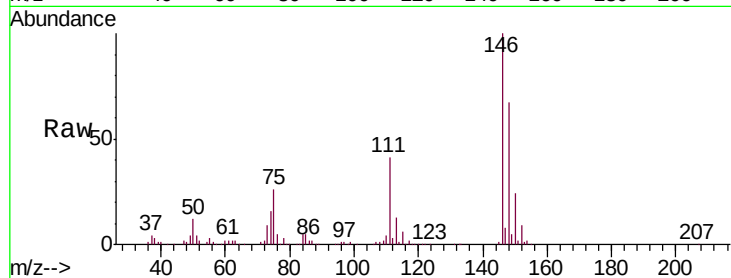




#65
 1,2-Dichlorobenzene
 Concen: 5.219 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

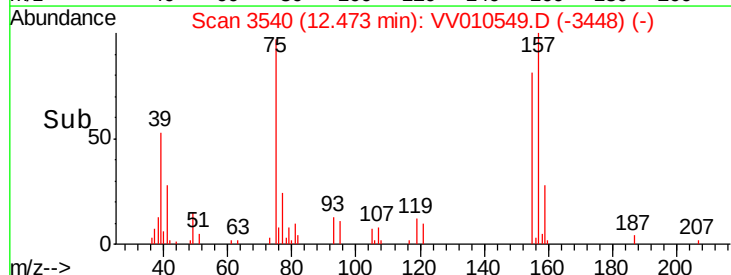
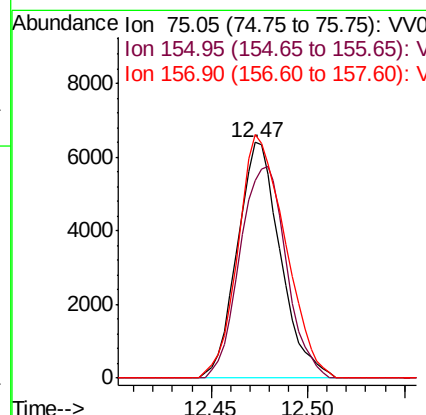
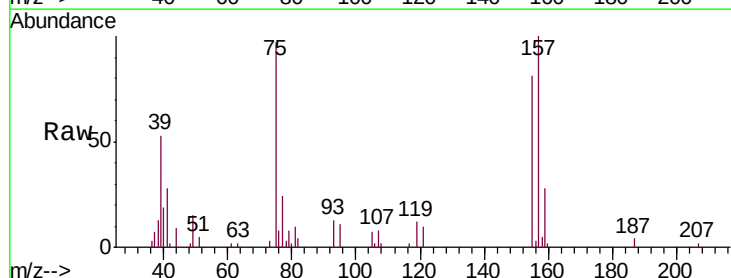
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

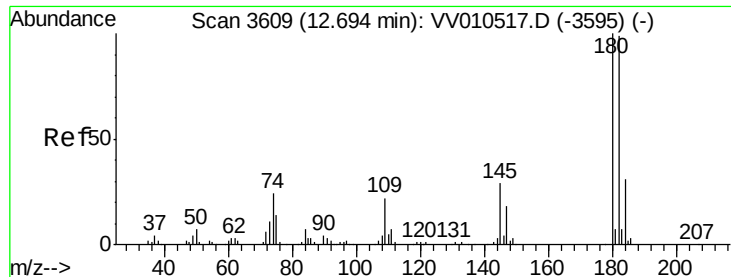
Tgt Ion: 146 Resp: 188880
 Ion Ratio Lower Upper
 146 100
 111 41.4 31.8 47.8
 148 66.5 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.961 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV010549.D
 Acq: 29 Apr 2019 16:07

Tgt Ion: 75 Resp: 9918
 Ion Ratio Lower Upper
 75 100
 155 83.8 73.4 110.0
 157 103.4 99.4 149.2





#67

1,3,5-Trichlorobenzene

Concen: 5.586 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion:180 Resp: 172141

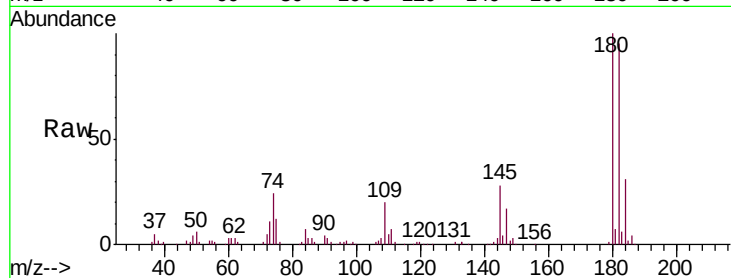
Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

184 30.2 24.6 36.8

145 28.5 23.2 34.8

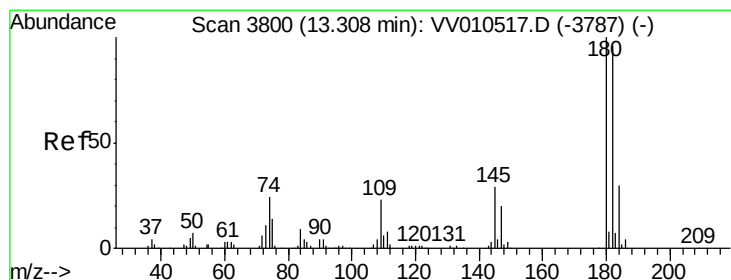
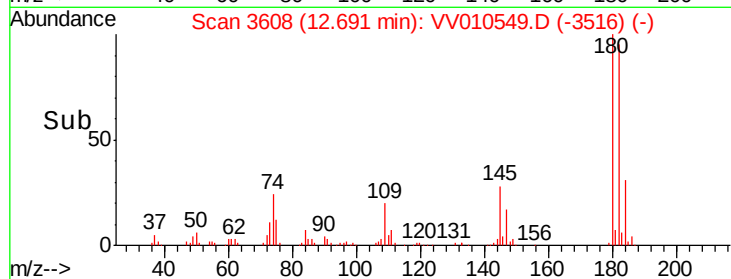
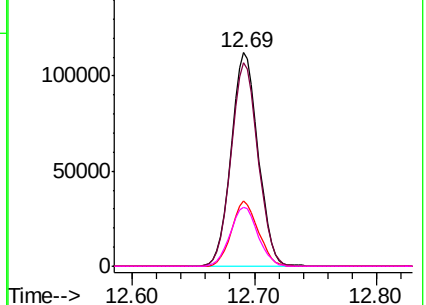


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.468 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

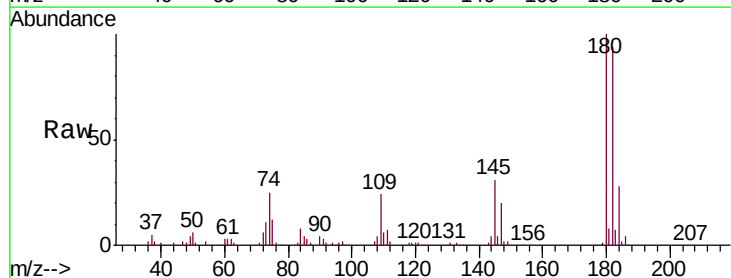
Tgt Ion:180 Resp: 128589

Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

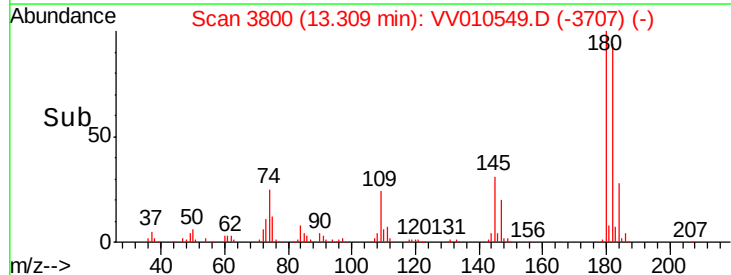
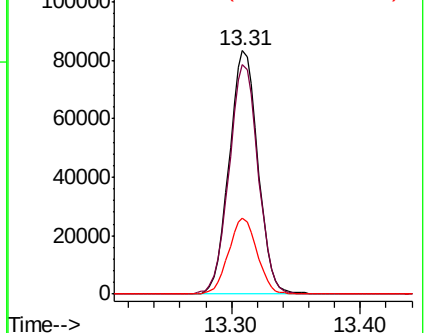
145 31.1 25.0 37.6

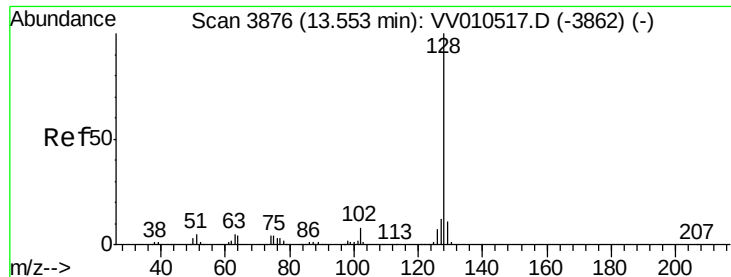


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.900 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

Instrument :

MSVOA_V

ClientSampled :

VSTD00551

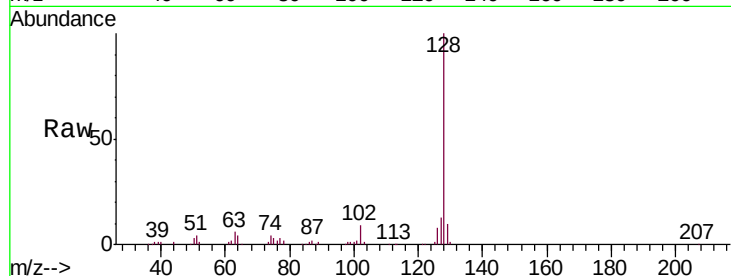
Tgt Ion:128 Resp: 171384

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

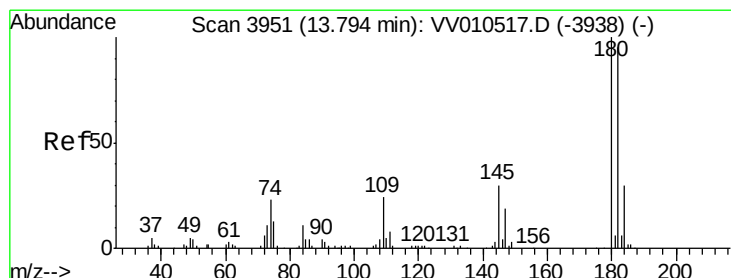
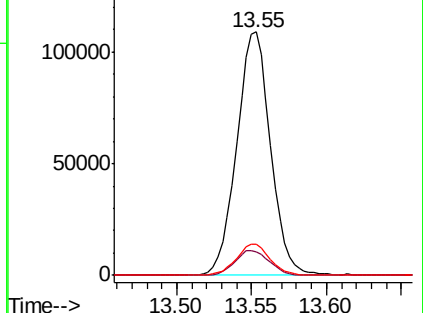
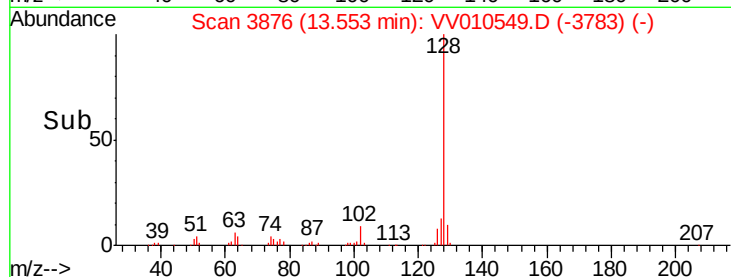
127 12.9 10.0 15.0



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: 5.241 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV010549.D

Acq: 29 Apr 2019 16:07

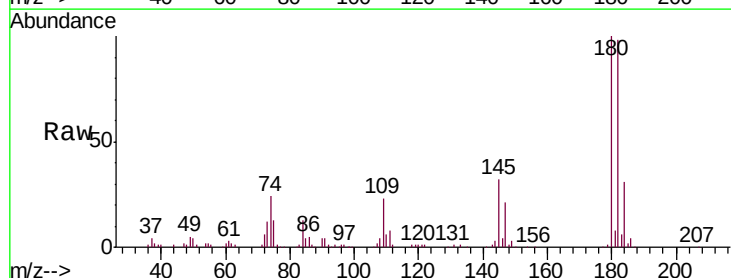
Tgt Ion:180 Resp: 122610

Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

145 31.9 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

