

Data File : VV009599.D
Acq On : 11 Mar 2019 18:11
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

Quant Time: Mar 12 04:15:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 04:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	148698	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145860	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69334	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37727	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.32%
7) Chloroethane-d5	1.56	69	39200	15.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.56%
10) 1,1-Dichloroethene-d2	2.12	63	112240	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.40%
20) 2-Butanone-d5	3.92	46	31188	51.13	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
24) Chloroform-d	4.40	84	87048	24.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.28%
26) 1,2-Dichloroethane-d4	5.08	65	53404	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.00%
29) Benzene-d6	5.09	84	175750	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	6.12	67	53760	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.88%
37) Toluene-d8	7.36	98	175173	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	7.66	79	24599	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.24%
39) 2-Hexanone-d5	8.13	63	23227	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56819	25.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	63186	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	47819	27.929 ug/L	99
3) Chloromethane	1.25	50	44483	24.378 ug/L	100
5) Vinyl chloride	1.32	62	50194	24.951 ug/L	99
6) Bromomethane	1.51	94	47253	18.868 ug/L	99
8) Chloroethane	1.58	64	37085	16.589 ug/L	99
9) Trichlorofluoromethane	1.76	101	113918	27.606 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	64136	27.756 ug/L	97
12) 1,1-Dichloroethene	2.13	96	53918	27.273 ug/L	91
13) Acetone	2.18	43	30419	49.050 ug/L	97
14) Carbon disulfide	2.31	76	133311	26.604 ug/L	99
15) Methyl Acetate	2.45	43	24844	24.738 ug/L	97
16) Methylene chloride	2.53	84	51593	26.438 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	124276	28.072 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	49964	28.136 ug/L	97
19) 1,1-Dichloroethane	3.22	63	89416	28.577 ug/L	98
21) 2-Butanone	4.01	43	34810	44.475 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	57425	28.645 ug/L	99

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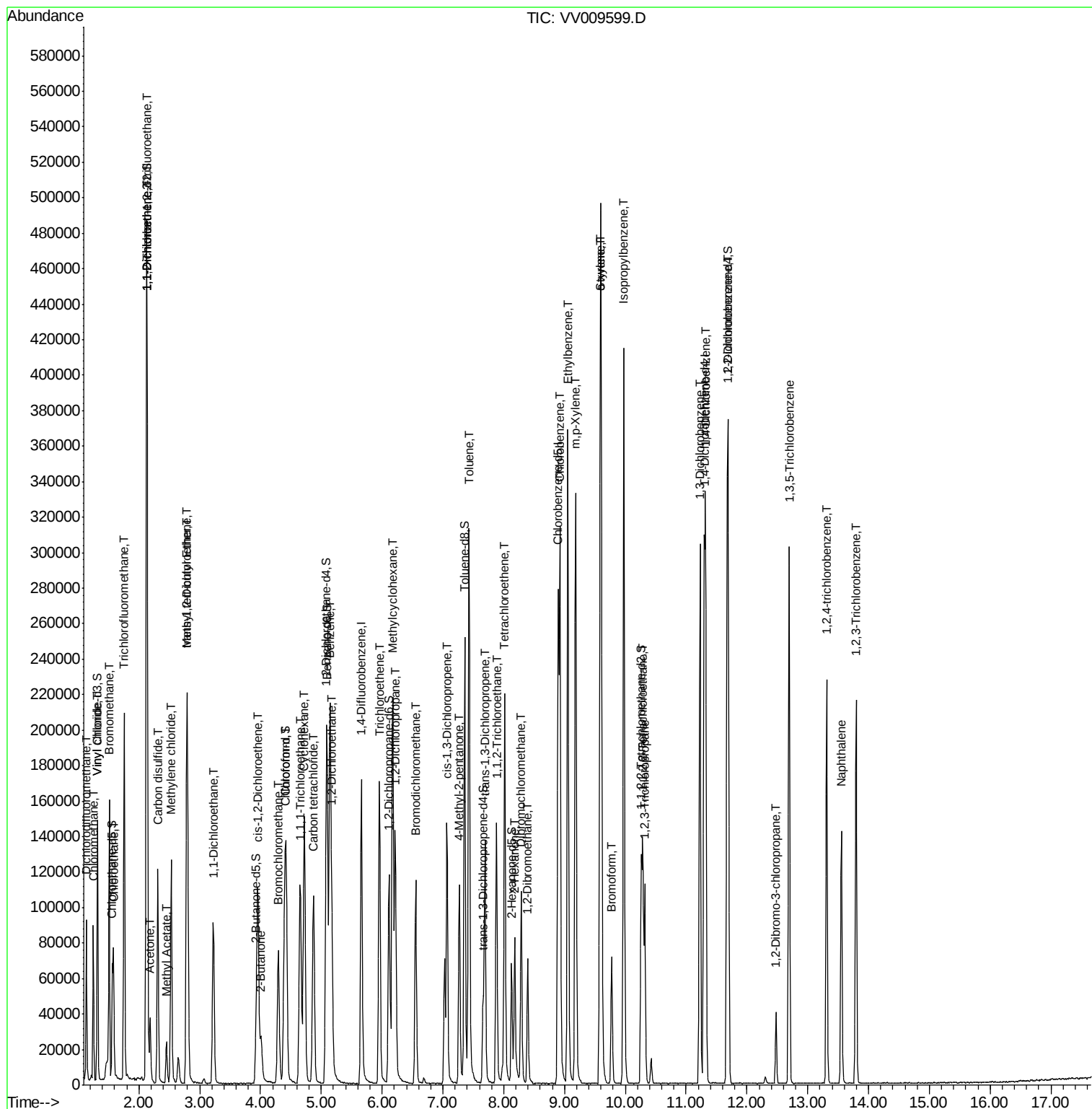
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25192	27.252	ug/L #	85
25) Chloroform	4.42	83	103903	29.756	ug/L	98
27) 1,2-Dichloroethane	5.17	62	68164	28.107	ug/L	98
30) Cyclohexane	4.72	56	80856	26.120	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	89067	27.315	ug/L	99
32) Carbon tetrachloride	4.87	117	75878	27.525	ug/L	99
34) Benzene	5.14	78	206407	27.387	ug/L	100
35) Trichloroethene	5.96	95	57139	26.380	ug/L	97
36) Methylcyclohexane	6.17	83	90553	25.664	ug/L	98
40) 1,2-Dichloropropane	6.22	63	52210	26.867	ug/L	98
41) Bromodichloromethane	6.55	83	72866	27.780	ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	80107	26.552	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	73545	48.009	ug/L	98
44) Toluene	7.43	91	237600	27.890	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	71087	26.979	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	44086	27.306	ug/L	96
47) Tetrachloroethene	8.02	164	45635	27.778	ug/L	95
49) 2-Hexanone	8.18	43	51248	44.241	ug/L	97
50) Dibromochloromethane	8.29	129	52284	26.749	ug/L	97
51) 1,2-Dibromoethane	8.40	107	44031	26.396	ug/L	98
52) Chlorobenzene	8.92	112	154402	27.343	ug/L	99
53) Ethylbenzene	9.05	91	267769	27.467	ug/L	98
54) m,p-Xylene	9.18	106	102701	27.834	ug/L	97
55) o-xylene	9.59	106	97789	27.485	ug/L	93
56) Styrene	9.60	104	165077	28.202	ug/L	100
57) Isopropylbenzene	9.97	105	268686	27.379	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	61481	26.969	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	42291	25.734	ug/L	99
62) Bromoform	9.77	173	29564	26.276	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	116656	26.936	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	116538	26.333	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	112149	27.768	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9230	22.816	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	83267	26.804	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	62580	25.161	ug/L	98
69) Naphthalene	13.55	128	107603	20.540	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	55965	24.459	ug/L	99

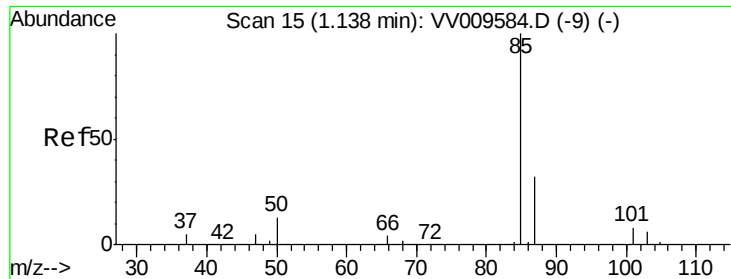
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.929 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

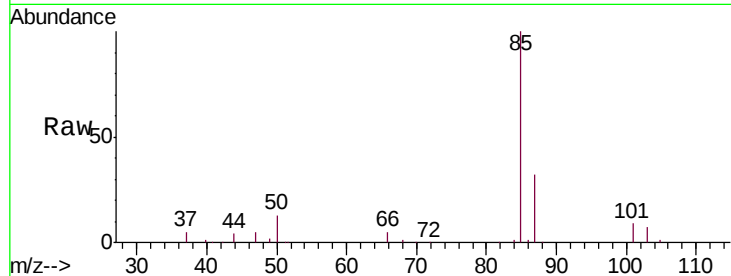
VSTD02577

Tgt Ion: 85 Resp: 47819

Ion Ratio Lower Upper

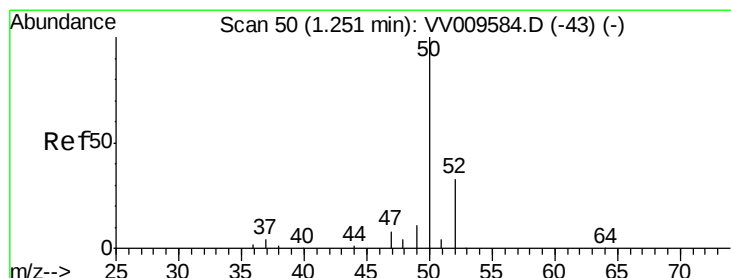
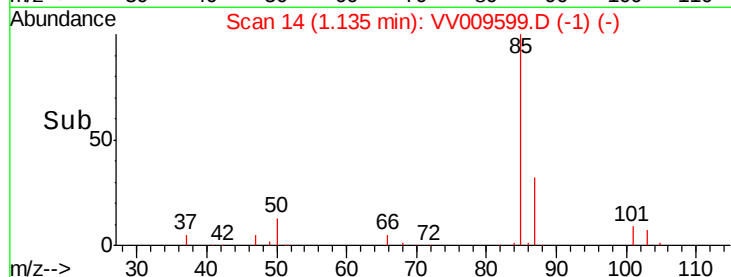
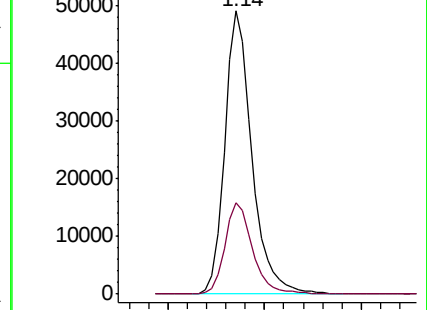
85 100

87 32.7 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009584.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009584.D (-9) (-)



#3

Chloromethane

Concen: 24.378 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009599.D

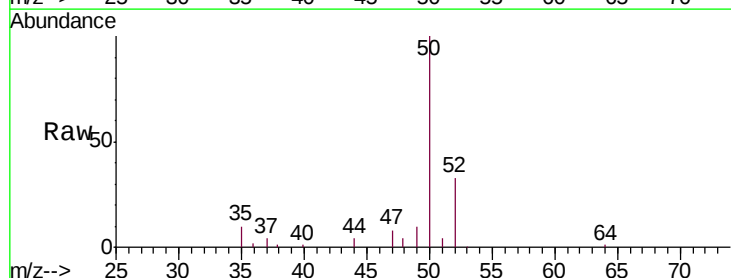
Acq: 11 Mar 2019 18:11

Tgt Ion: 50 Resp: 44483

Ion Ratio Lower Upper

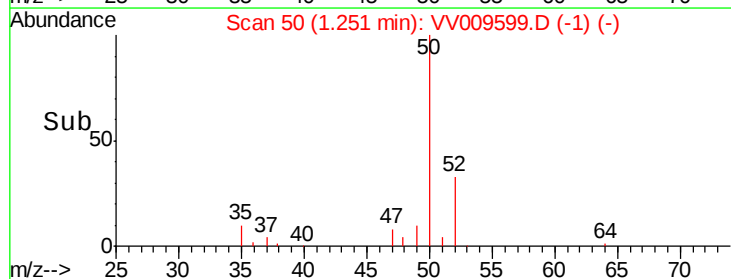
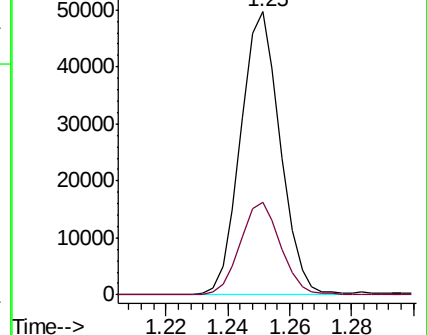
50 100

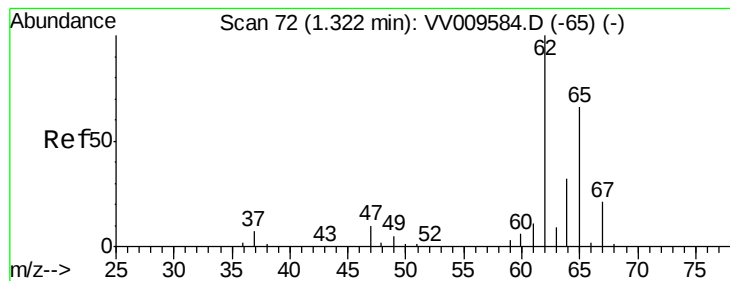
52 32.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009584.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009584.D (-43) (-)





#5

Vinyl chloride

Concen: 24.951 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

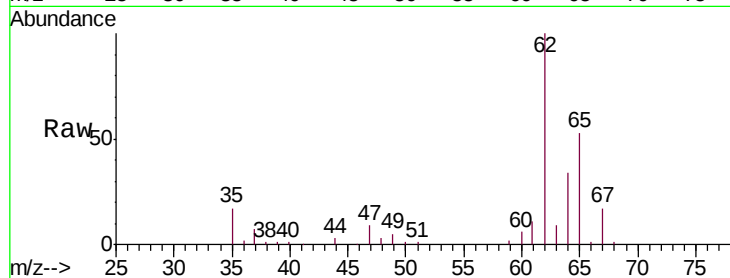
VSTD02577

Tgt Ion: 62 Resp: 50194

Ion Ratio Lower Upper

62 100

64 34.2 23.5 43.7

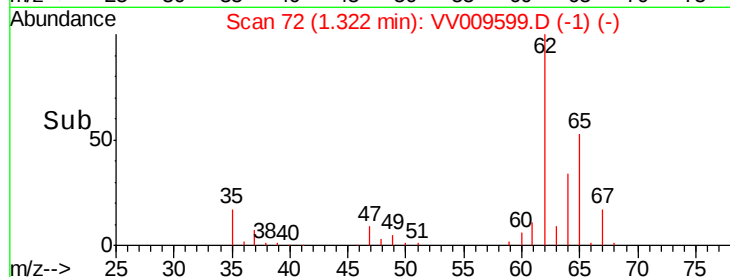


Abundance Ion 62.00 (61.70 to 62.70): VV009584.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009584.D (-65) (-)

1.32

Time-->



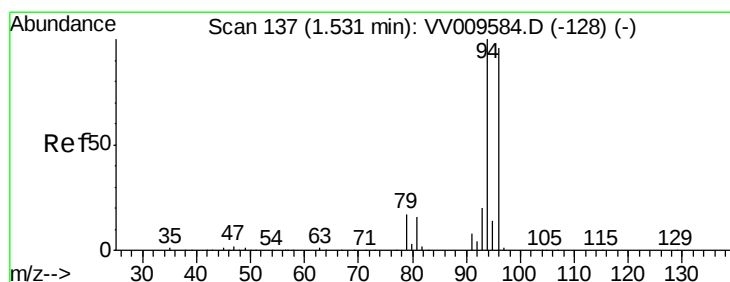
Abundance

Ion 62.00 (61.70 to 62.70): VV009599.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV009599.D (-1) (-)

1.32

Time-->



#6

Bromomethane

Concen: 18.868 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV009599.D

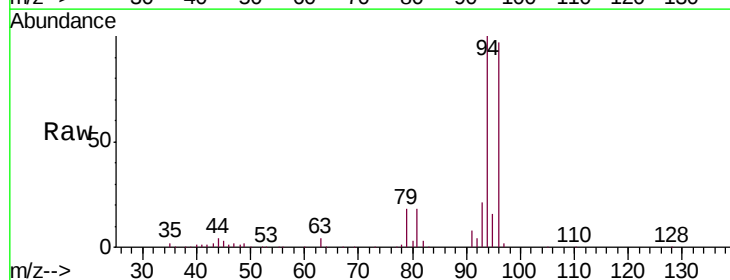
Acq: 11 Mar 2019 18:11

Tgt Ion: 94 Resp: 47253

Ion Ratio Lower Upper

94 100

96 96.3 9.5 181.4

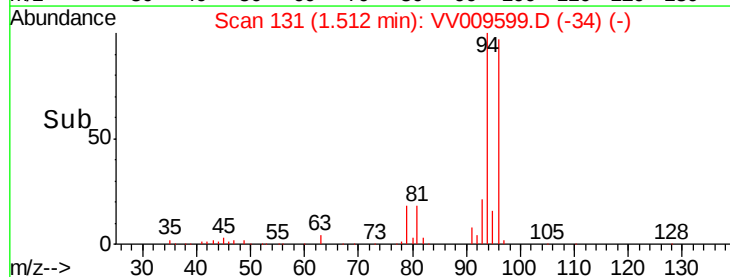


Abundance Ion 94.00 (93.70 to 94.70): VV009584.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV009584.D (-128) (-)

1.51

Time-->



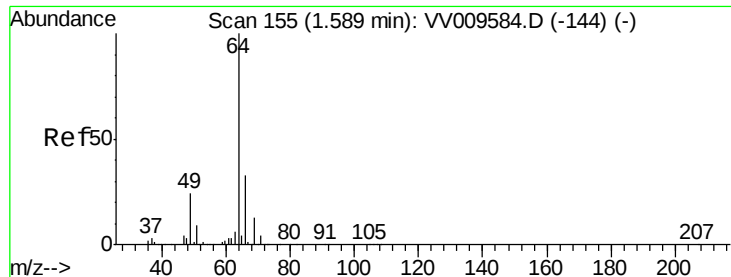
Abundance

Ion 94.00 (93.70 to 94.70): VV009599.D (-34) (-)

Ion 96.00 (95.70 to 96.70): VV009599.D (-34) (-)

1.51

Time-->



#8

Chloroethane

Concen: 16.589 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

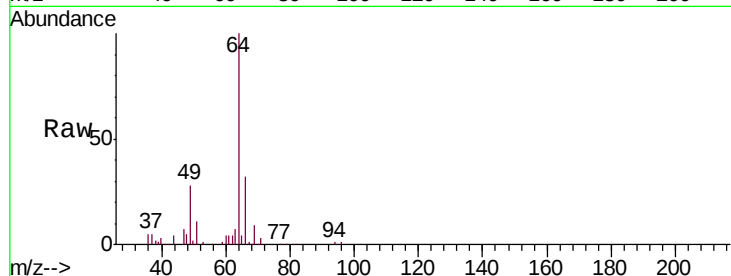
VSTD02577

Tgt Ion: 64 Resp: 37085

Ion Ratio Lower Upper

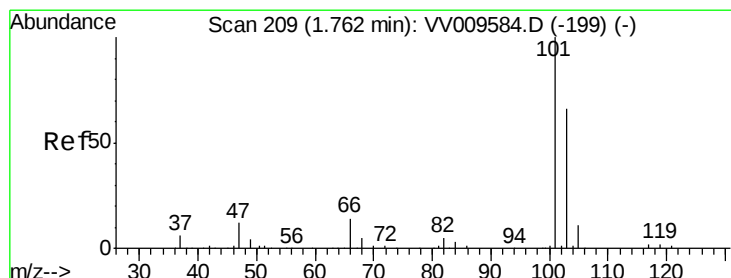
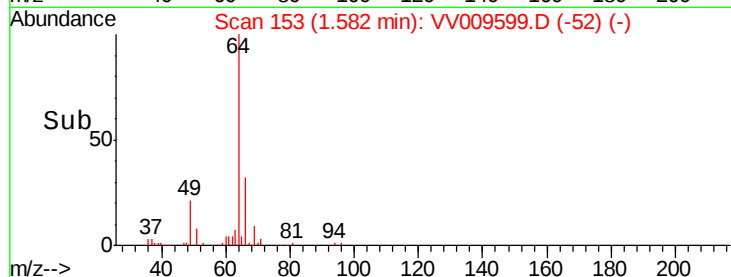
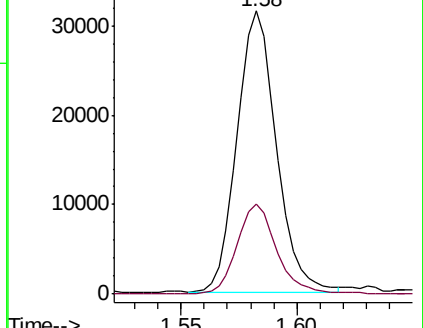
64 100

66 31.9 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VV009584.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV009584.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 27.606 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV009599.D

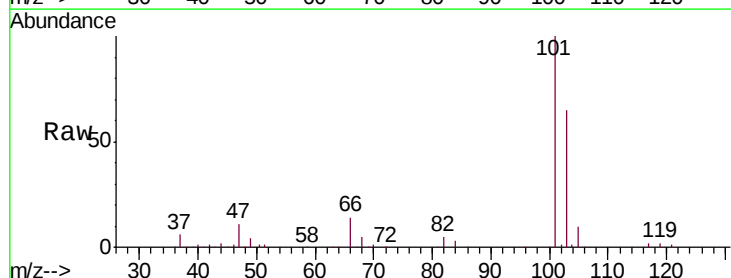
Acq: 11 Mar 2019 18:11

Tgt Ion: 101 Resp: 113918

Ion Ratio Lower Upper

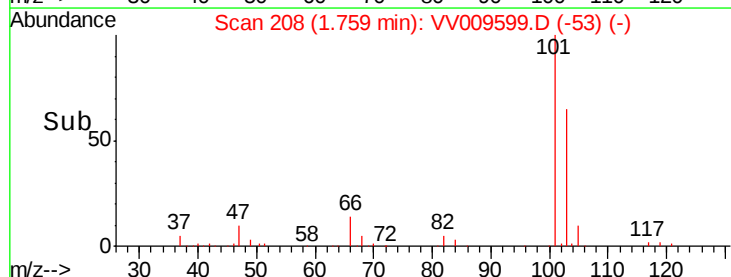
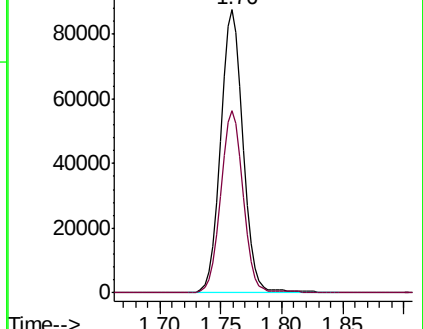
101 100

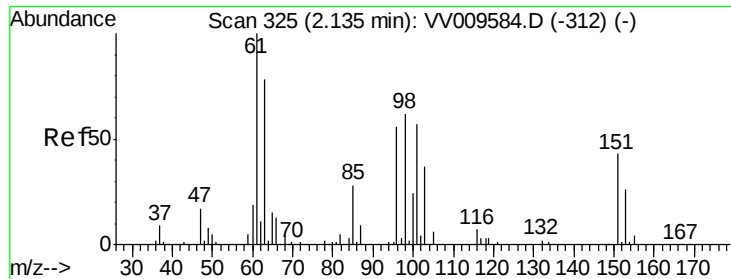
103 63.9 44.7 83.1



Abundance Ion 101.00 (100.70 to 101.70): VV009584.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009584.D (-199) (-)





#11

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

Concen: 27.756 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

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ClientSampleId :

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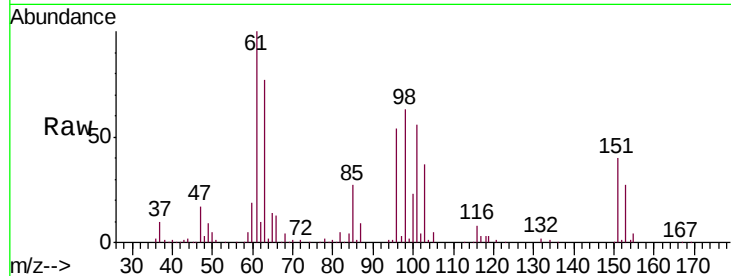
Tgt Ion:101 Resp: 64136

Ion Ratio Lower Upper

101 100

85 50.2 40.1 60.1

151 73.5 55.9 83.9

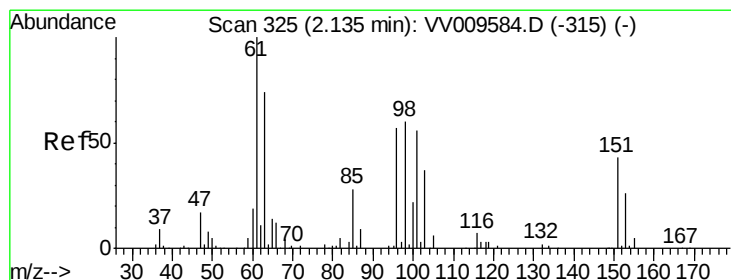
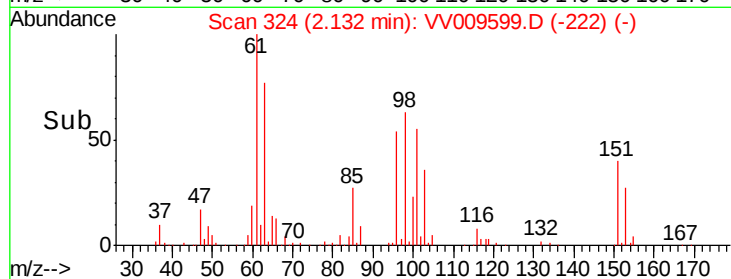
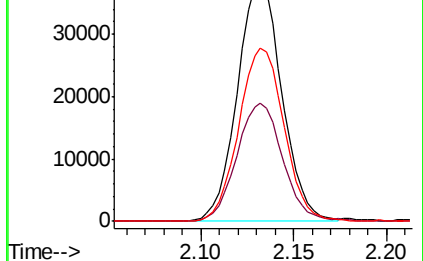


Abundance Ion 101.00 (100.70 to 101.70): VV009584.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009584.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009584.D (-312) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 27.273 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

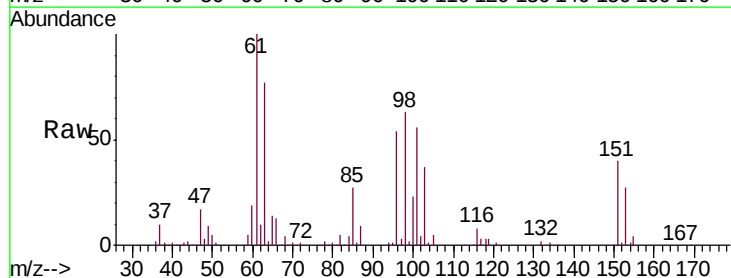
Tgt Ion: 96 Resp: 53918

Ion Ratio Lower Upper

96 100

61 183.6 136.9 254.3

63 140.8 108.7 201.9

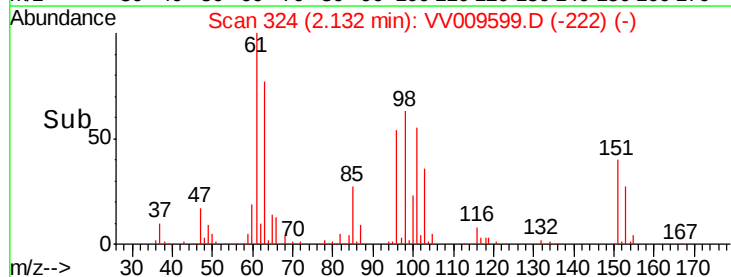
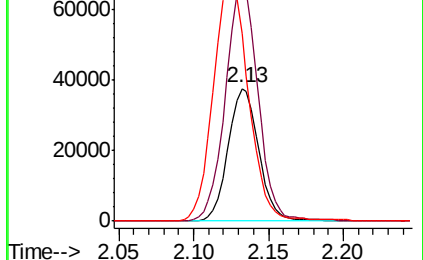


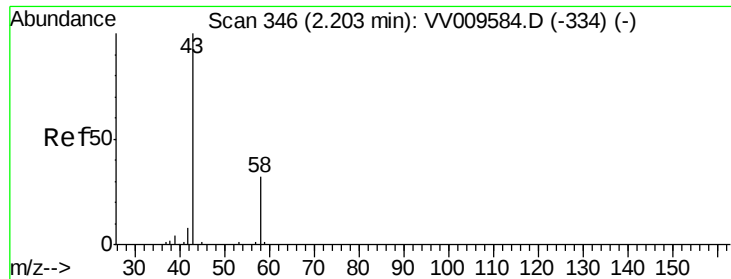
Abundance Ion 96.00 (95.70 to 96.70): VV009584.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV009584.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009584.D (-315) (-)

Time-->





#13

Acetone

Concen: 49.050 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

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MSVOA_V

ClientSampleId :

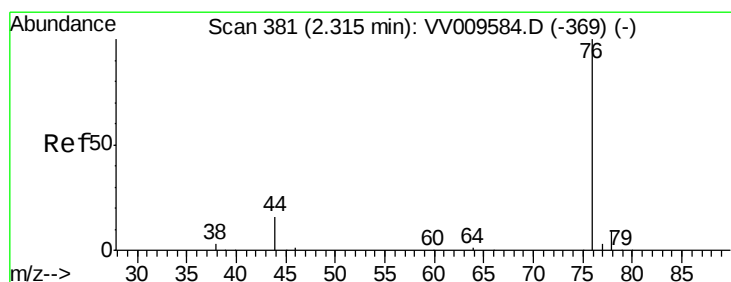
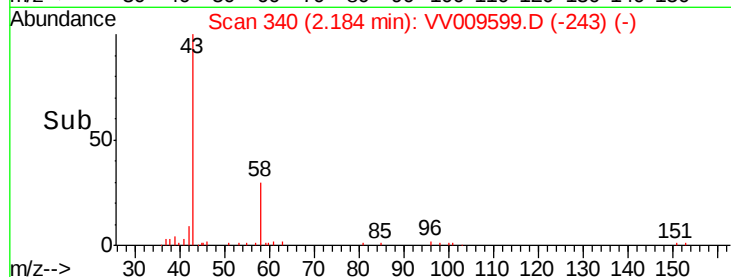
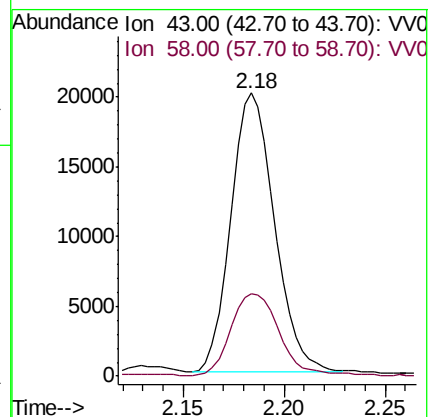
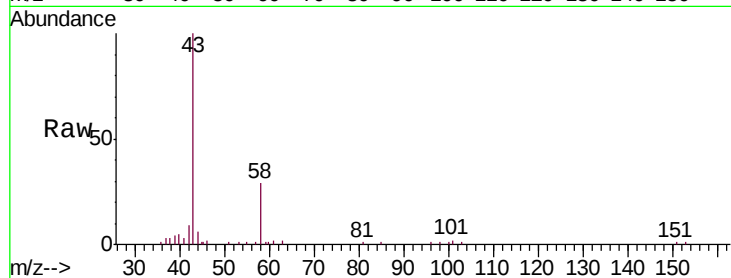
VSTD02577

Tgt Ion: 43 Resp: 30419

Ion Ratio Lower Upper

43 100

58 32.8 0.0 68.8



#14

Carbon disulfide

Concen: 26.604 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009599.D

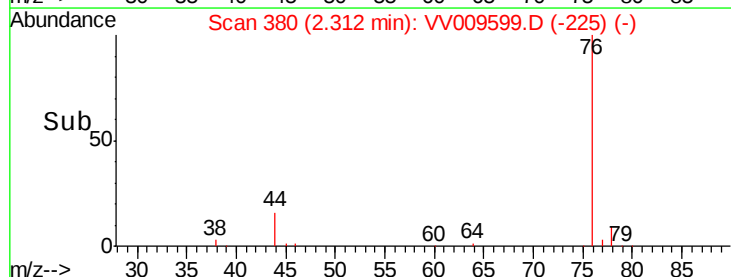
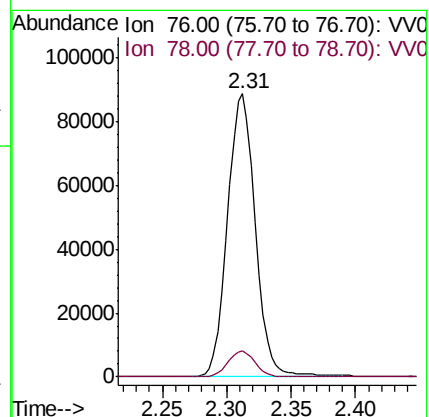
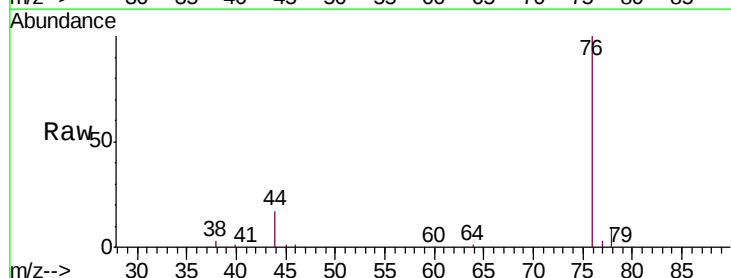
Acq: 11 Mar 2019 18:11

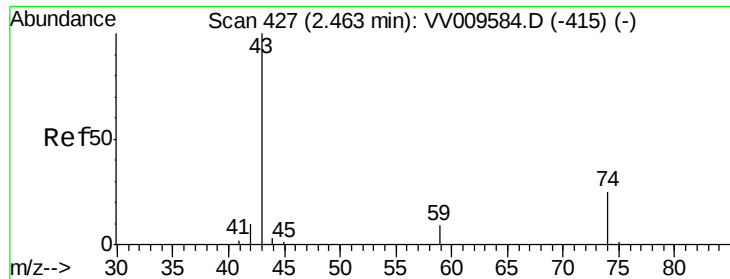
Tgt Ion: 76 Resp: 133311

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

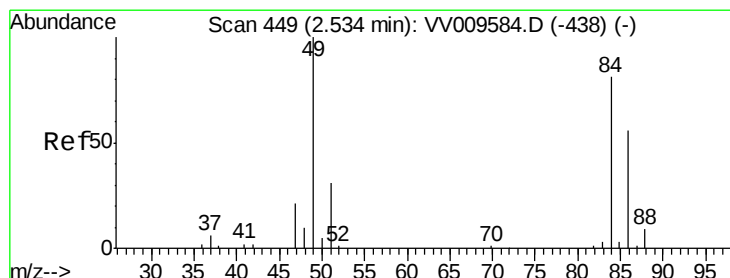
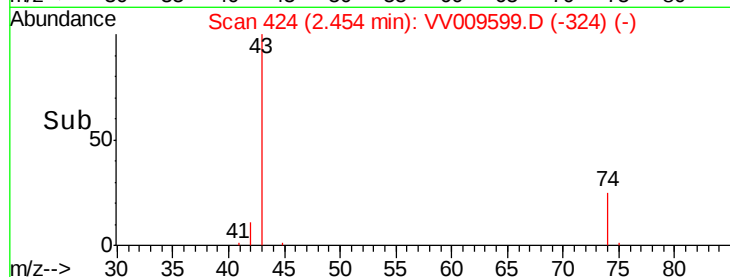
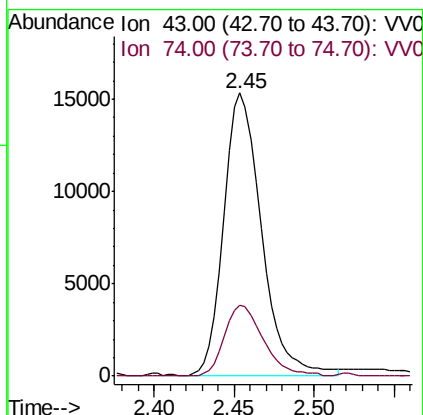
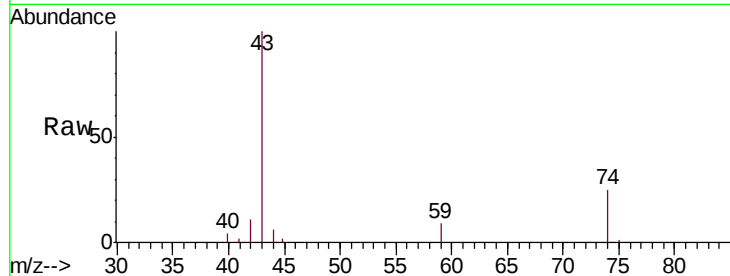




#15
Methyl Acetate
Concen: 24.738 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

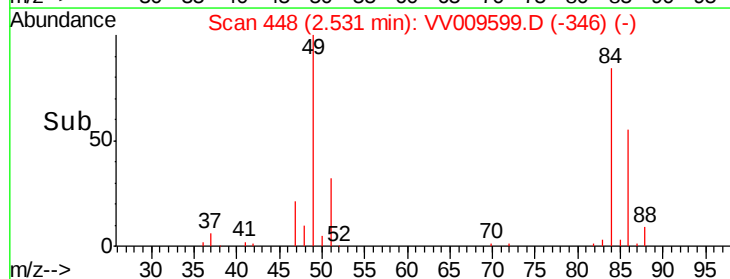
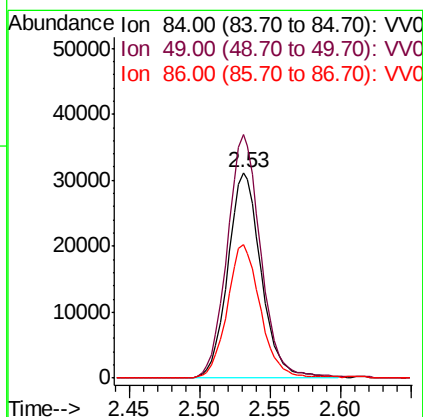
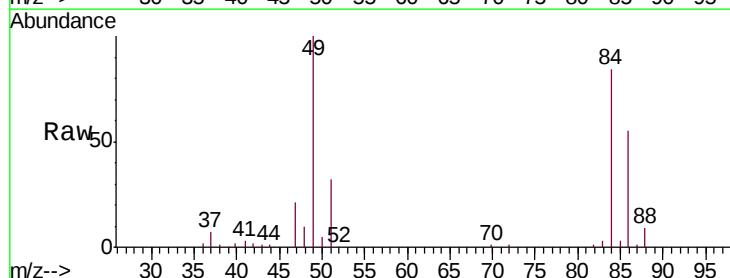
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

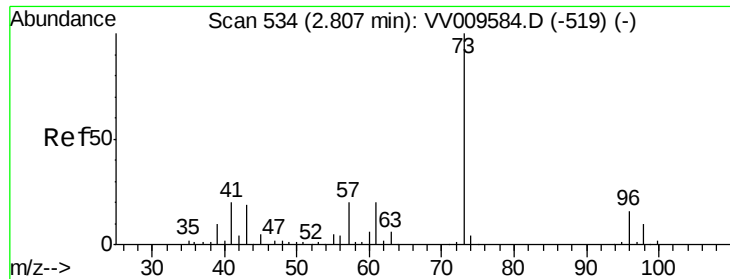
Tgt Ion: 43 Resp: 24844
Ion Ratio Lower Upper
43 100
74 25.7 21.8 32.8



#16
Methylene chloride
Concen: 26.438 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Tgt Ion: 84 Resp: 51593
Ion Ratio Lower Upper
84 100
49 118.5 84.6 157.0
86 65.0 46.1 85.7

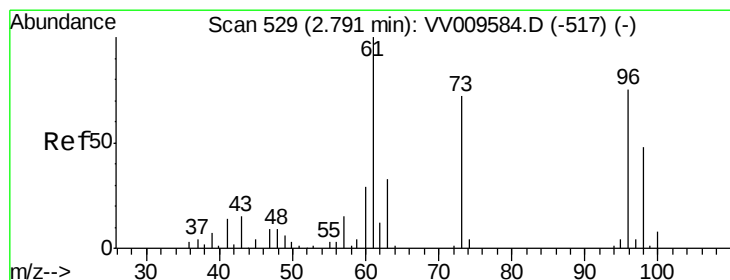
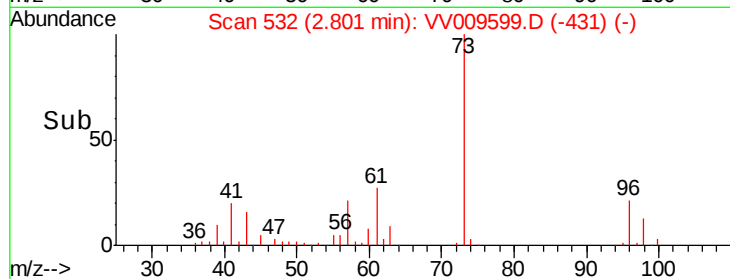
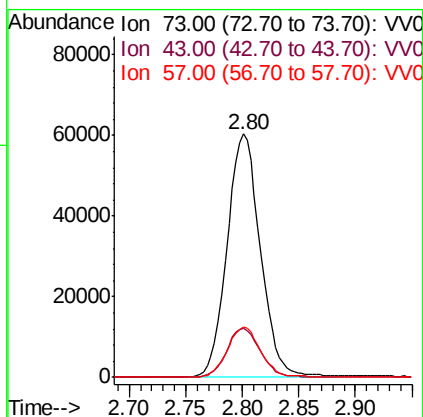
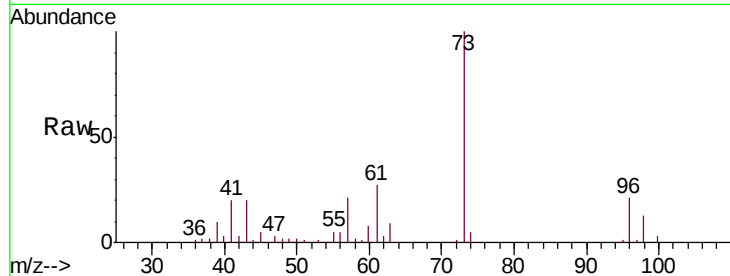




#17
Methyl tert-butyl Ether
Concen: 28.072 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.01 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

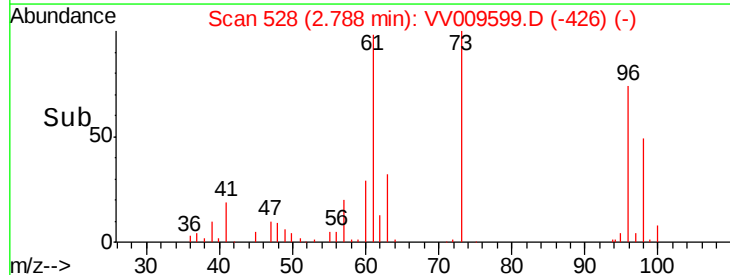
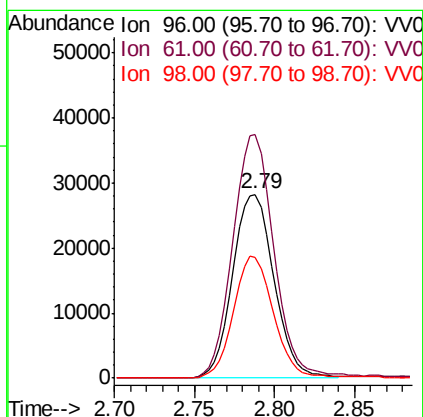
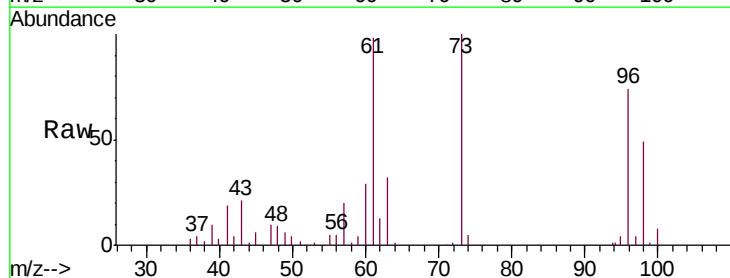
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

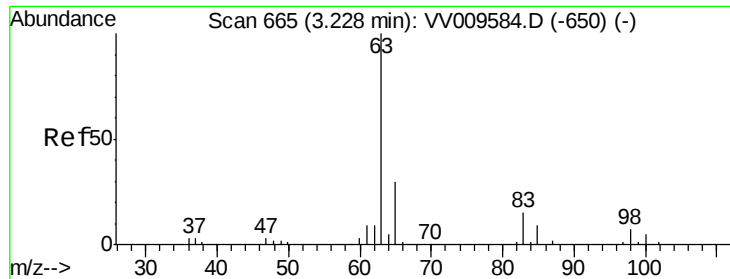
Tgt Ion: 73 Resp: 124276
Ion Ratio Lower Upper
73 100
43 20.5 15.0 22.4
57 20.4 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 28.136 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Tgt Ion: 96 Resp: 49964
Ion Ratio Lower Upper
96 100
61 132.7 95.6 177.6
98 65.9 44.0 81.6

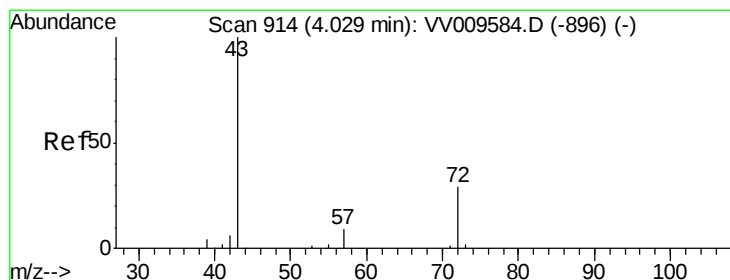
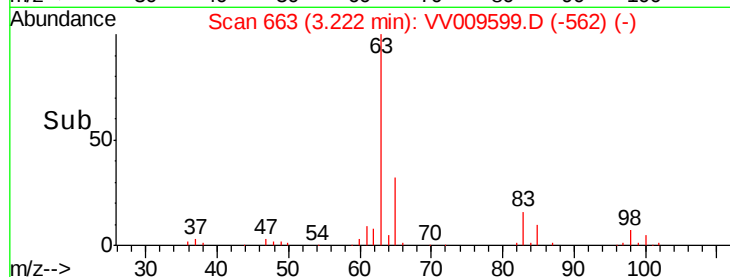
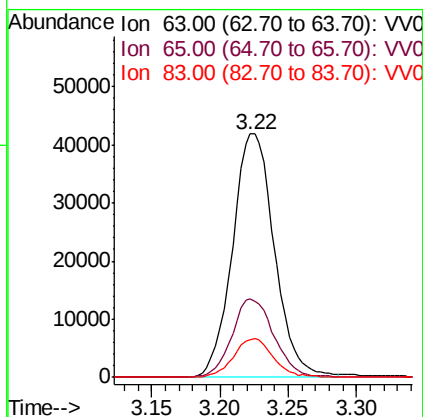
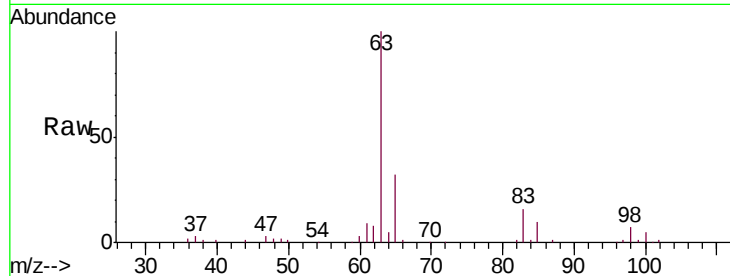




#19
 1,1-Dichloroethane
 Concen: 28.577 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

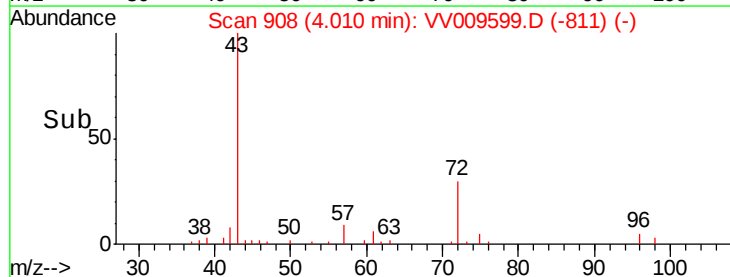
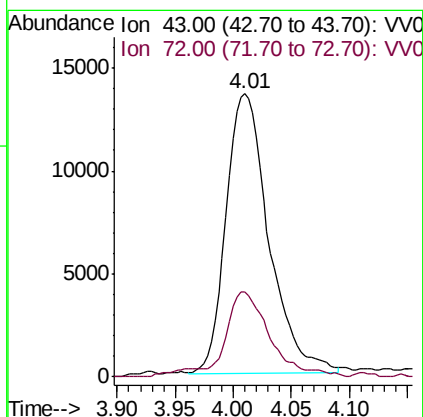
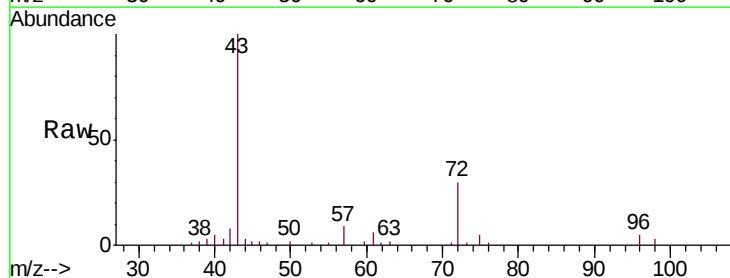
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

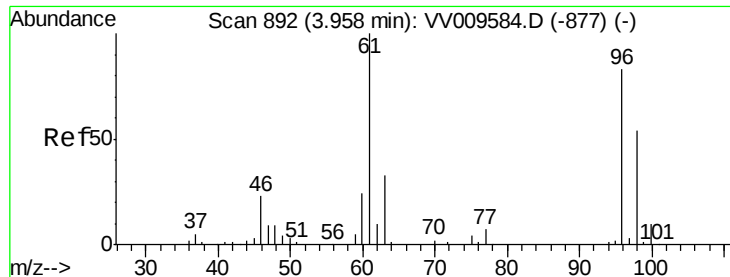
Tgt Ion: 63 Resp: 89416
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 15.6 10.2 19.0



#21
 2-Butanone
 Concen: 44.475 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion: 43 Resp: 34810
 Ion Ratio Lower Upper
 43 100
 72 26.0 13.7 41.0



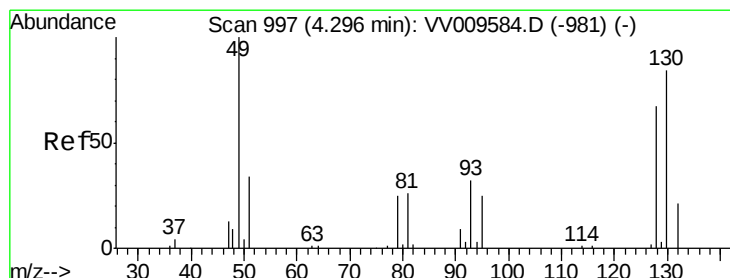
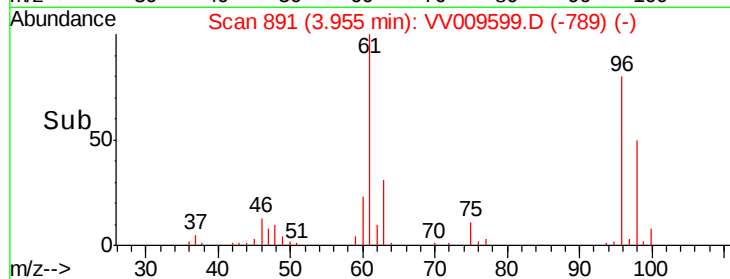
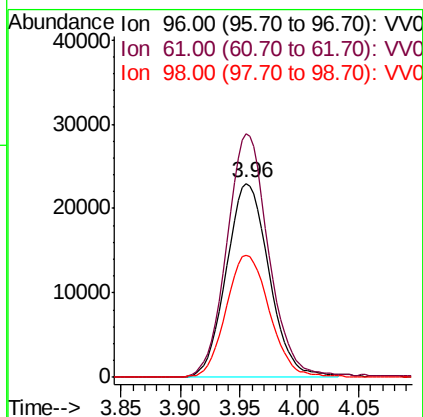
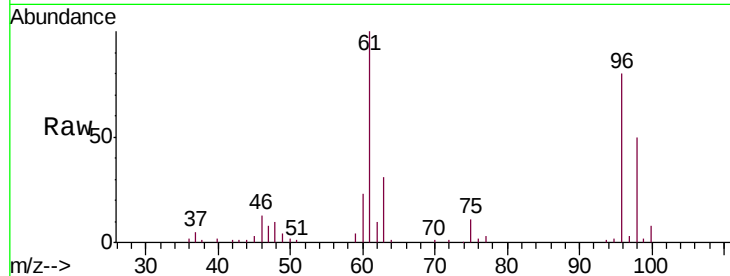


#22

cis-1,2-Dichloroethene
 Concen: 28.645 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

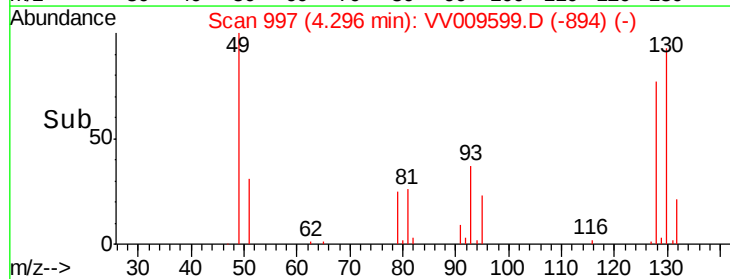
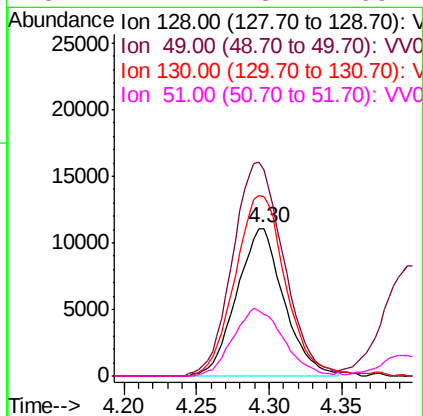
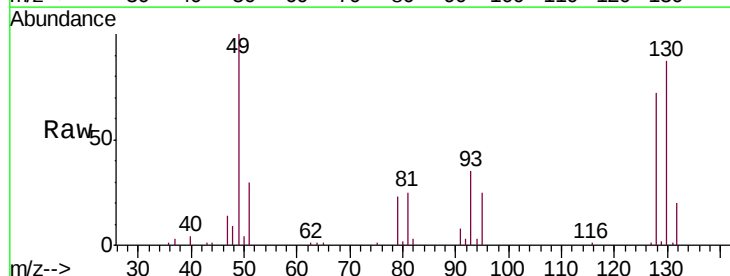
Tgt Ion: 96 Resp: 57425
 Ion Ratio Lower Upper
 96 100
 61 125.7 87.2 161.9
 98 63.2 44.6 82.8

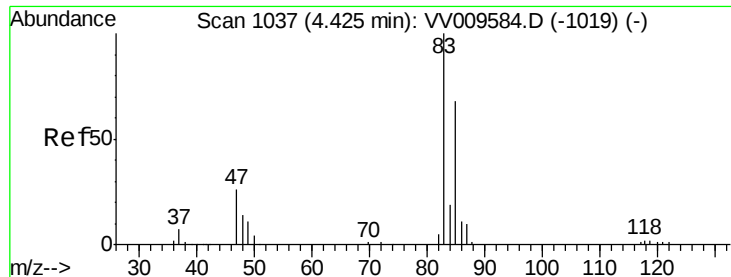


#23

Bromochloromethane
 Concen: 27.252 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion: 128 Resp: 25192
 Ion Ratio Lower Upper
 128 100
 49 139.4 115.5 214.5
 130 121.0 92.6 172.0
 51 41.7 43.4 65.2#

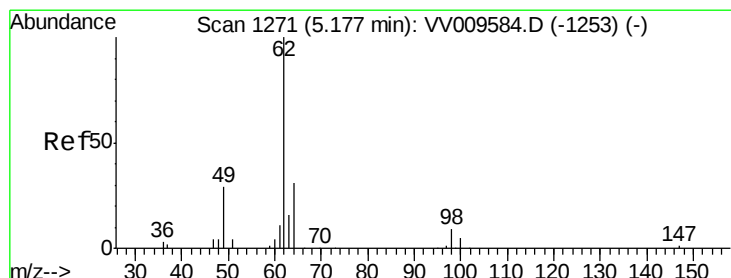
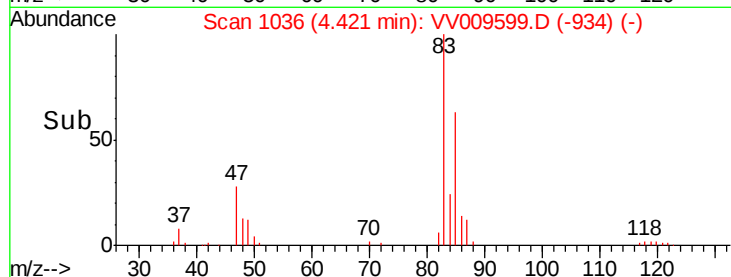
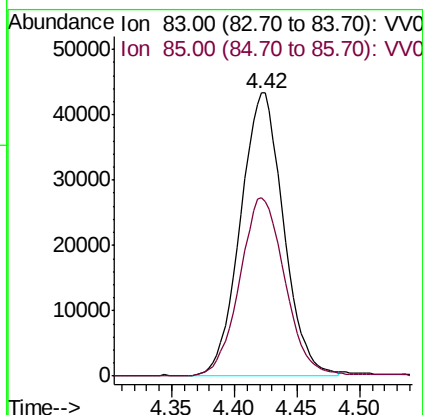
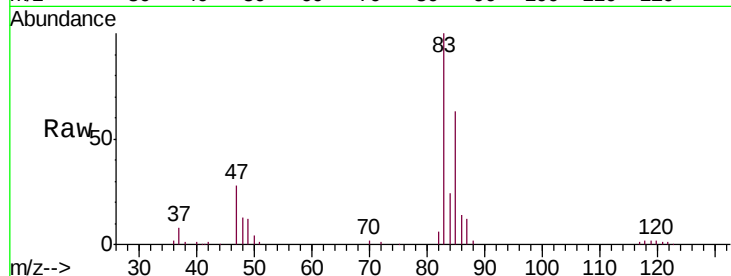




#25
Chloroform
Concen: 29.756 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

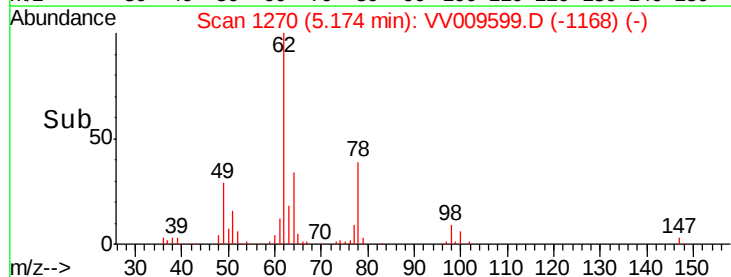
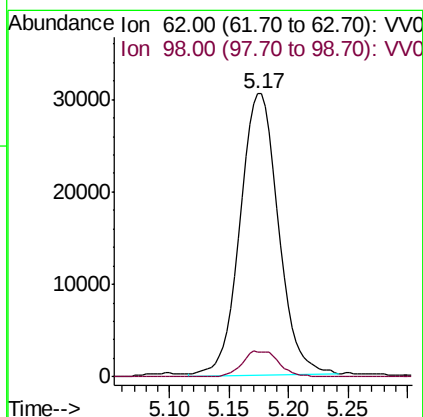
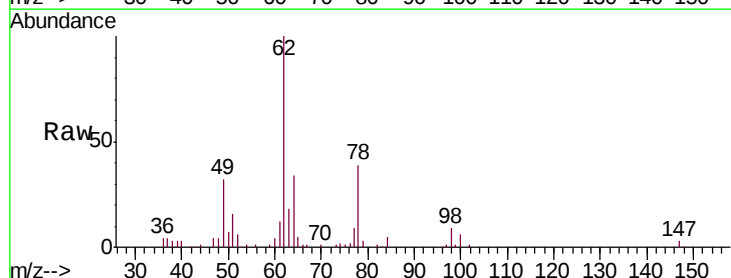
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

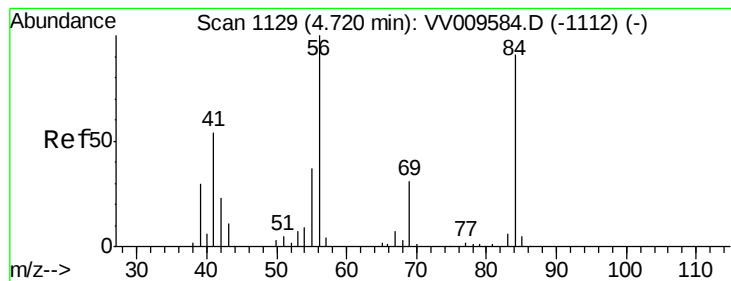
Tgt Ion: 83 Resp: 103903
Ion Ratio Lower Upper
83 100
85 66.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 28.107 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Tgt Ion: 62 Resp: 68164
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0





#30

Cyclohexane

Concen: 26.120 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

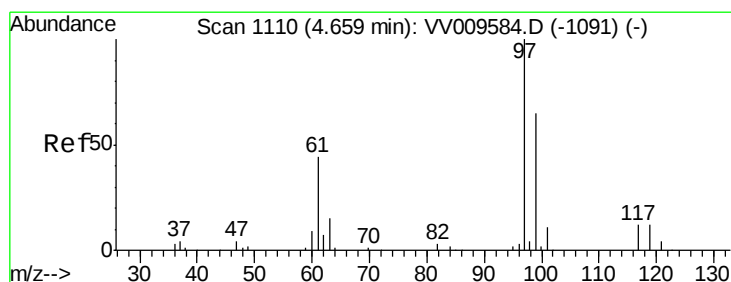
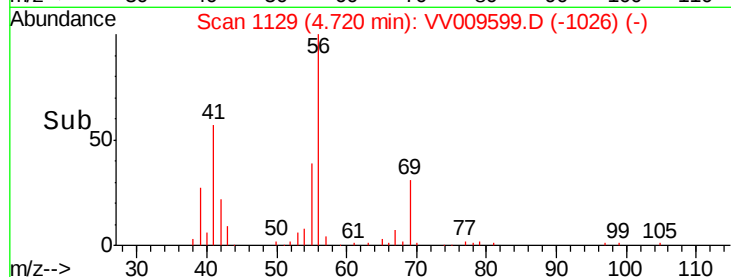
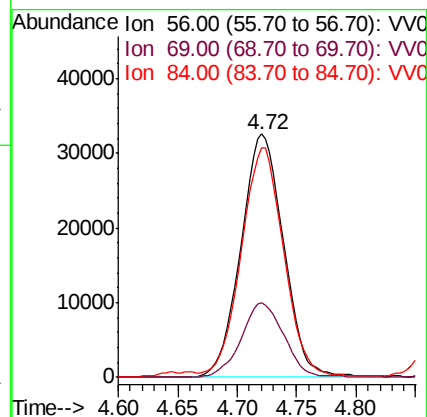
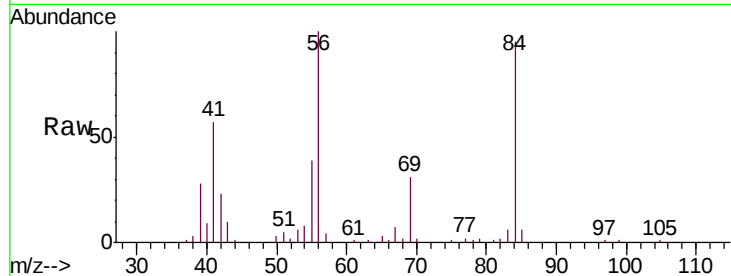
Tgt Ion: 56 Resp: 80856

Ion Ratio Lower Upper

56 100

69 30.7 24.9 37.3

84 91.7 71.9 107.9



#31

1,1,1-Trichloroethane

Concen: 27.315 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

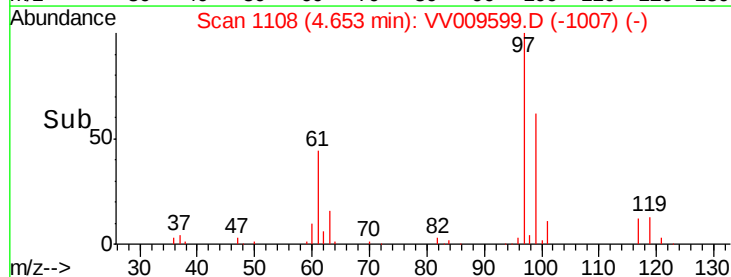
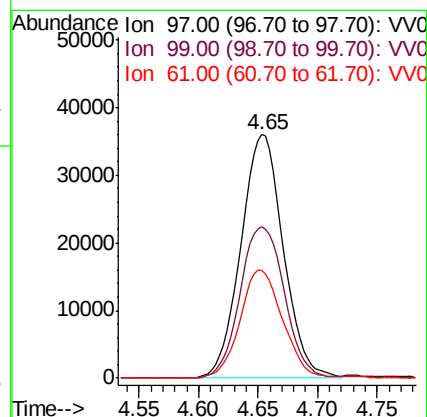
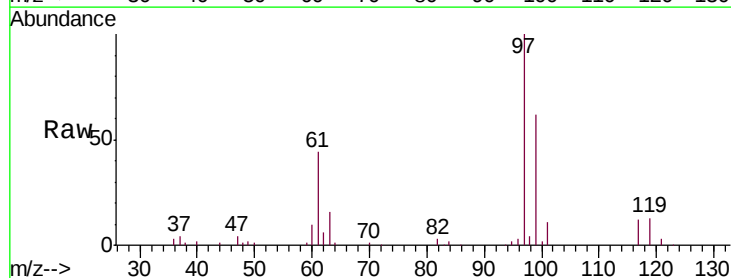
Tgt Ion: 97 Resp: 89067

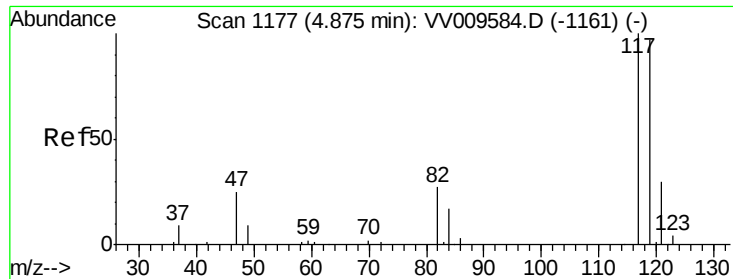
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 44.5 36.1 54.1





#32

Carbon tetrachloride

Concen: 27.525 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

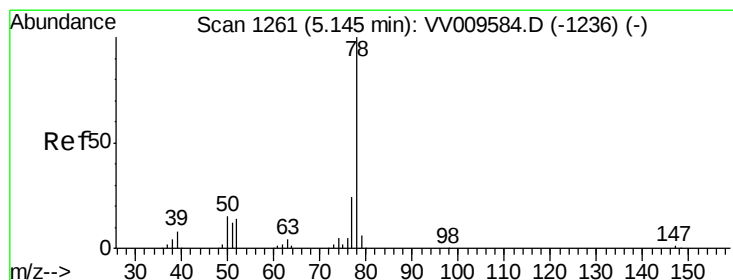
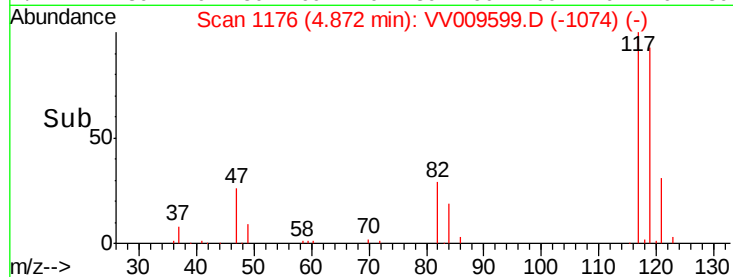
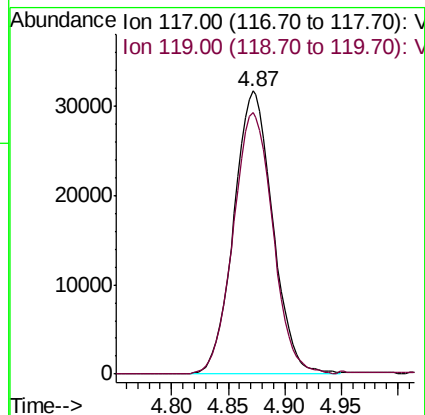
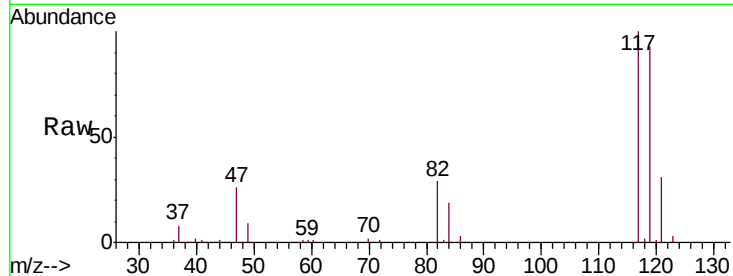
VSTD02577

Tgt Ion:117 Resp: 75878

Ion Ratio Lower Upper

117 100

119 94.2 76.5 114.7



#34

Benzene

Concen: 27.387 ug/L

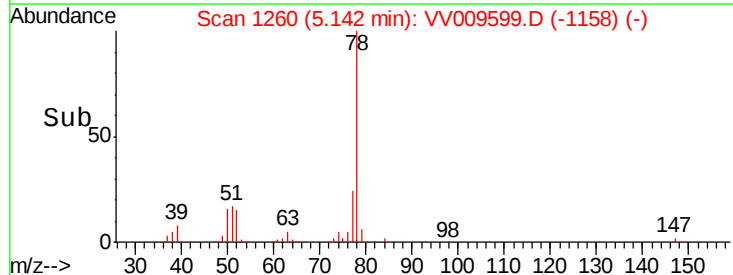
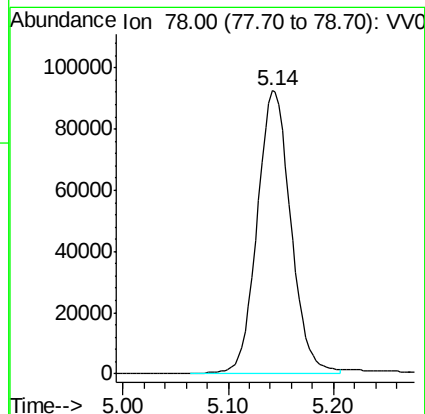
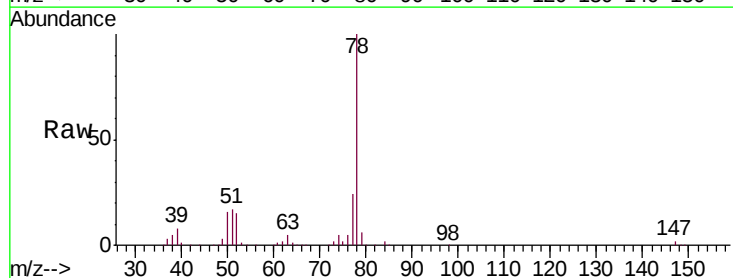
RT: 5.14 min Scan# 1260

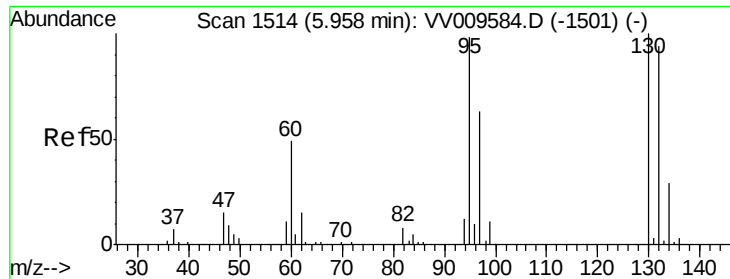
Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Tgt Ion: 78 Resp: 206407



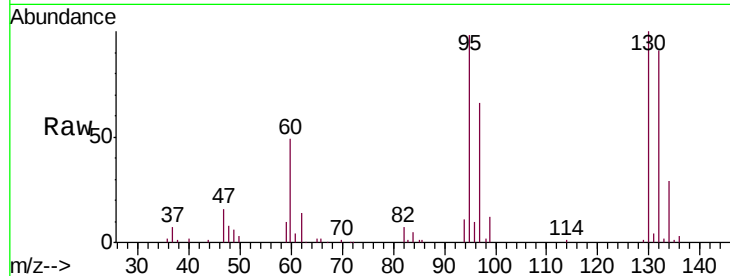


#35
 Trichloroethene
 Concen: 26.380 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Tgt Ion: 95 Resp: 57139

Ion	Ratio	Lower	Upper
95	100		
97	67.1	44.3	82.3
132	96.4	64.4	119.6
130	99.9	69.4	128.8

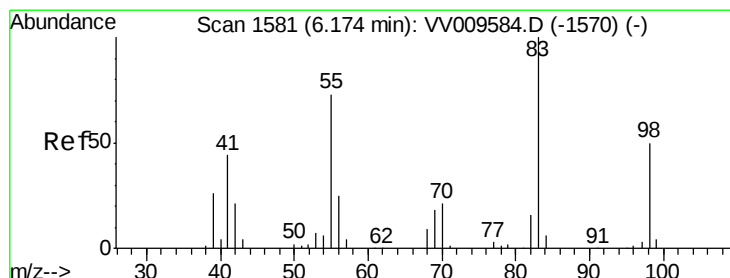
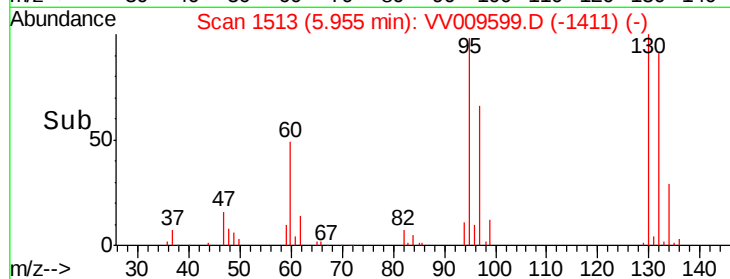
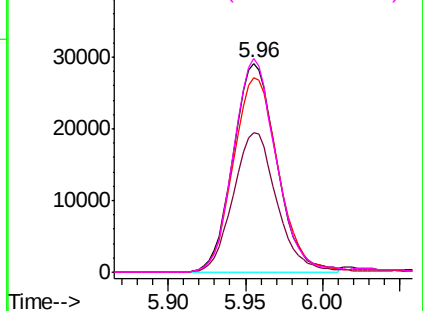


Abundance Ion 95.00 (94.70 to 95.70): VV009599.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV009599.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV009599.D (-1411) (-)

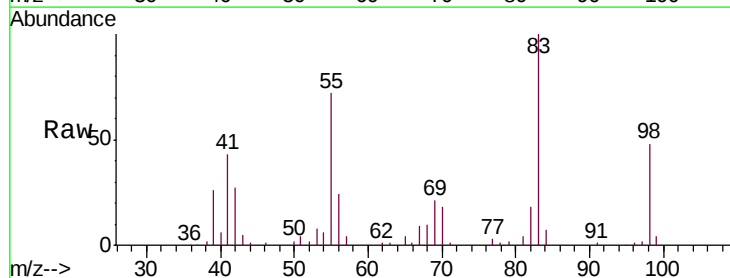
Ion 130.00 (129.70 to 130.70): VV009599.D (-1411) (-)



#36
 Methylcyclohexane
 Concen: 25.664 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion: 83 Resp: 90553

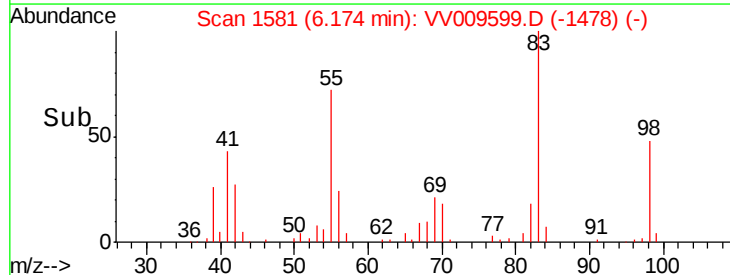
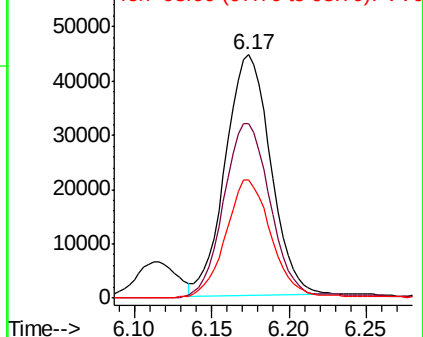
Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.8	88.2
98	49.7	37.7	56.5

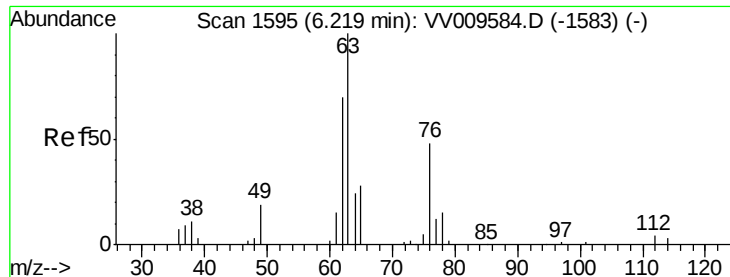


Abundance Ion 83.00 (82.70 to 83.70): VV009599.D (-1478) (-)

Ion 55.00 (54.70 to 55.70): VV009599.D (-1478) (-)

Ion 98.00 (97.70 to 98.70): VV009599.D (-1478) (-)

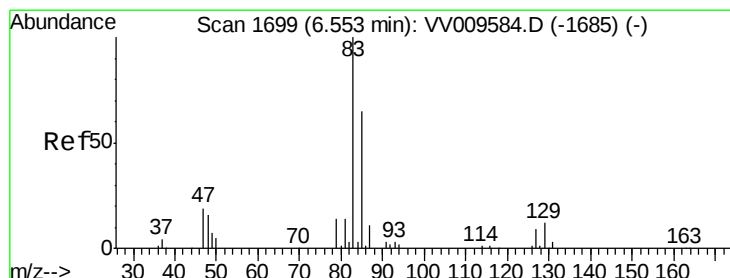
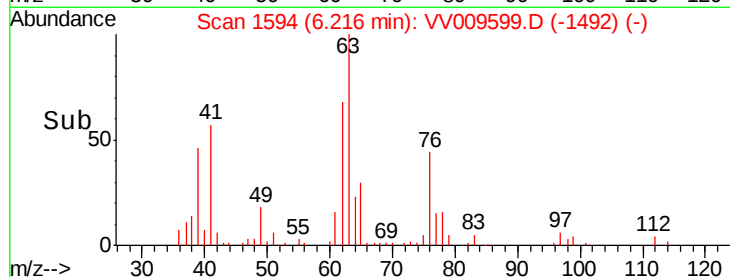
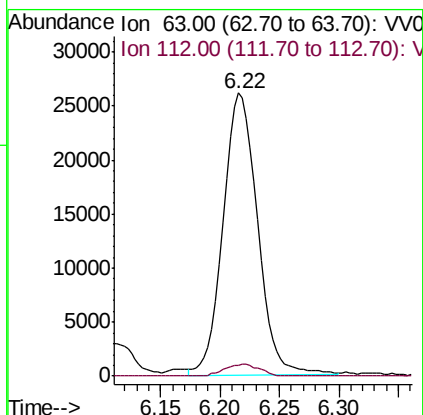
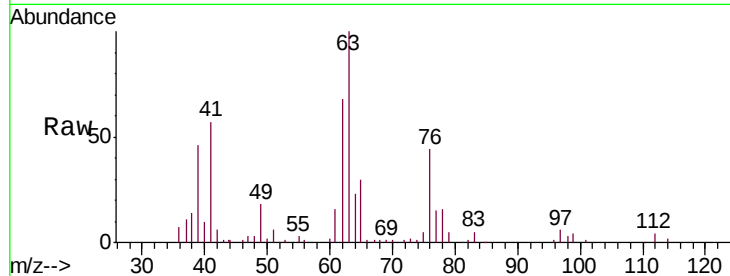




#40
 1,2-Dichloropropane
 Concen: 26.867 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

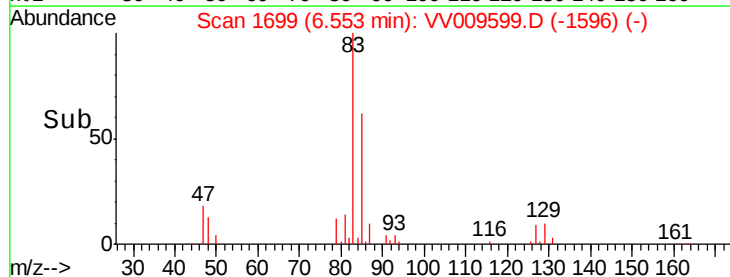
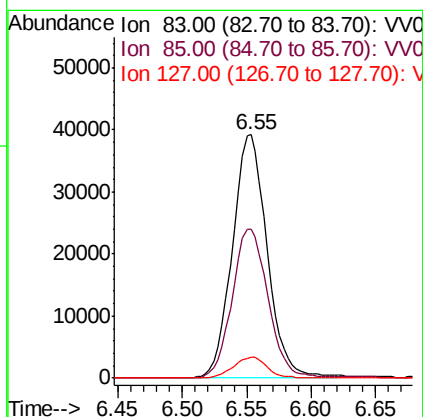
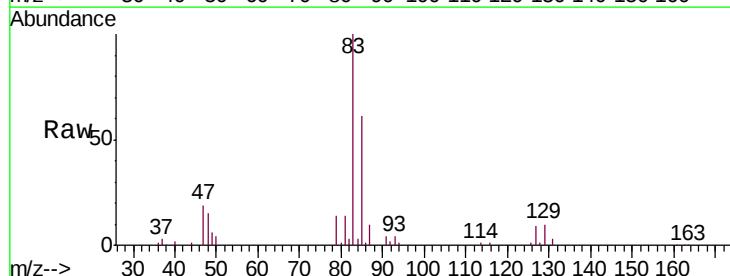
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

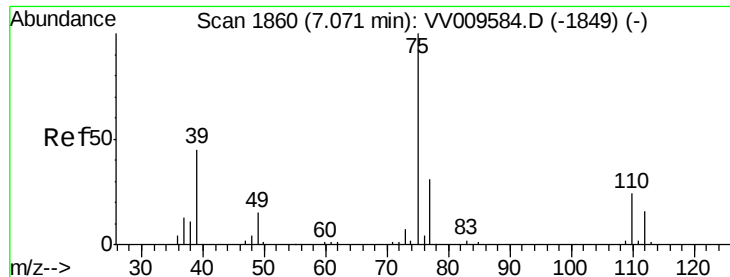
Tgt Ion: 63 Resp: 52210
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.780 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion: 83 Resp: 72866
 Ion Ratio Lower Upper
 83 100
 85 61.0 46.5 86.3
 127 8.5 7.2 10.8



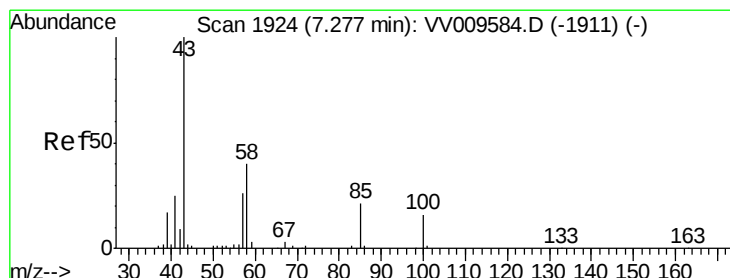
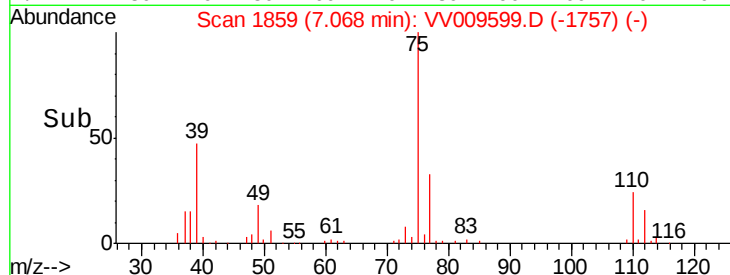
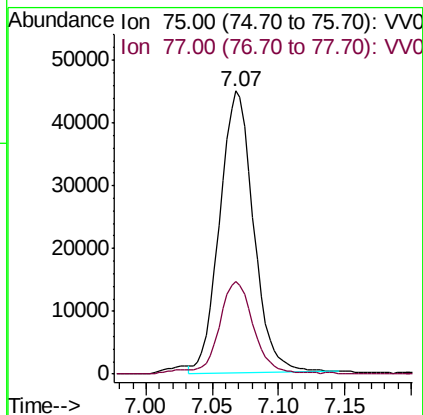
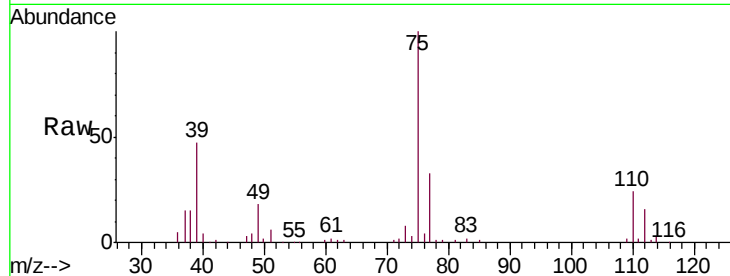


#42

cis-1,3-Dichloropropene
Concen: 26.552 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

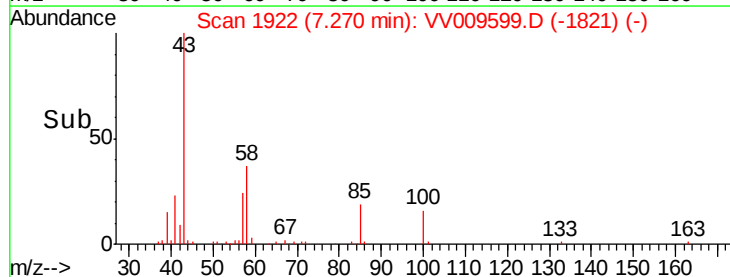
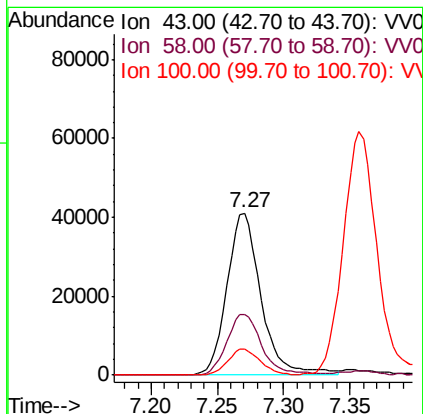
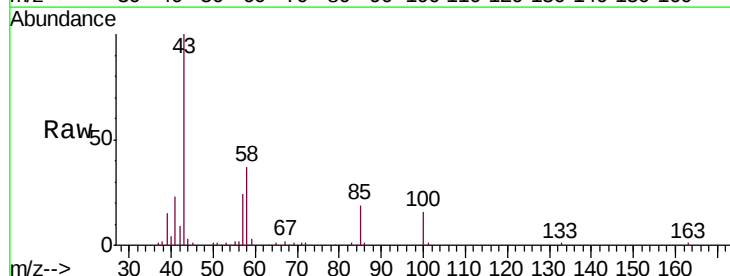
Tgt Ion: 75 Resp: 80107
Ion Ratio Lower Upper
75 100
77 32.7 21.4 39.8

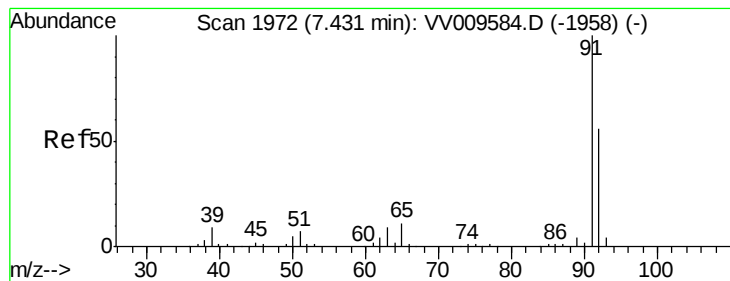


#43

4-Methyl-2-pentanone
Concen: 48.009 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Tgt Ion: 43 Resp: 73545
Ion Ratio Lower Upper
43 100
58 38.2 31.9 47.9
100 15.4 12.8 19.2





#44

Toluene

Concen: 27.890 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampled :

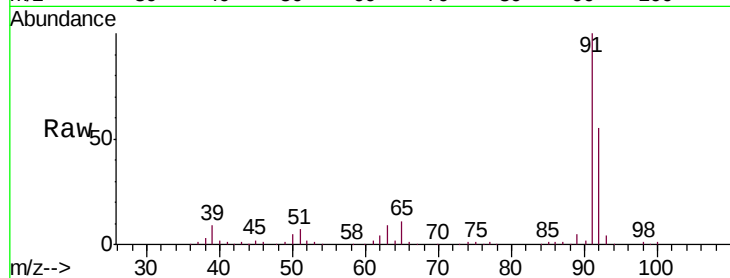
VSTD02577

Tgt Ion: 91 Resp: 237600

Ion Ratio Lower Upper

91 100

92 55.3 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009584.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009584.D (-1958) (-)

7.43

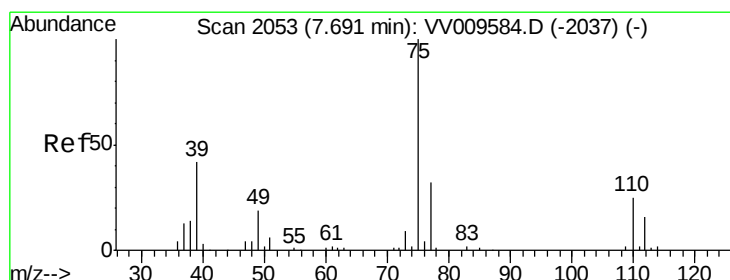
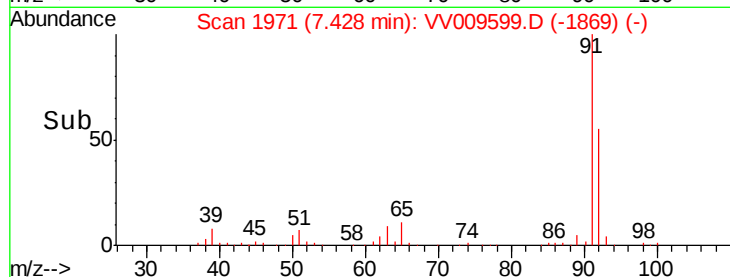
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.979 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009599.D

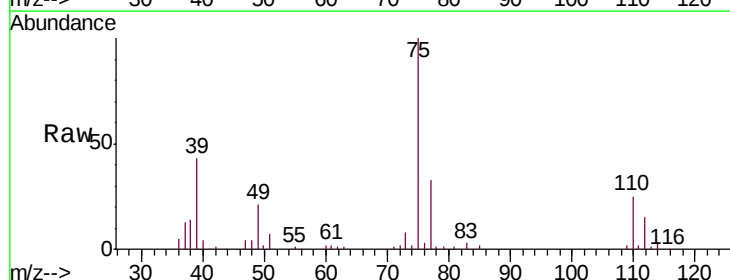
Acq: 11 Mar 2019 18:11

Tgt Ion: 75 Resp: 71087

Ion Ratio Lower Upper

75 100

77 33.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009584.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009584.D (-2037) (-)

7.69

50000

40000

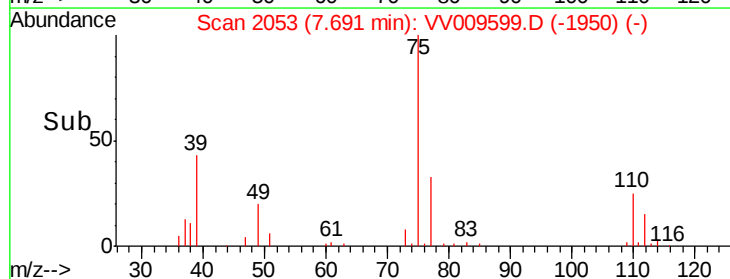
30000

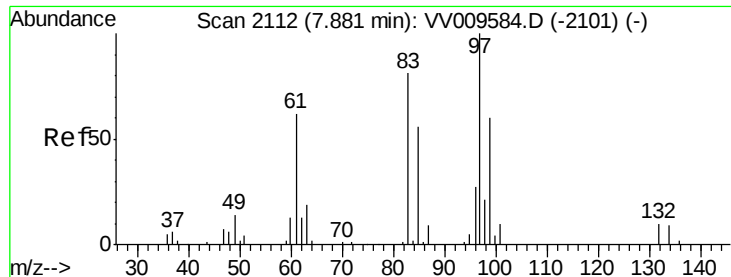
20000

10000

0

Time-->

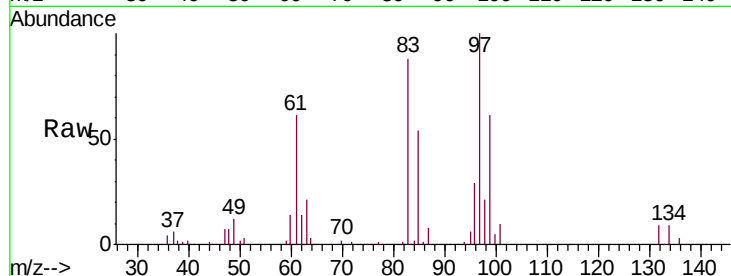




#46
 1,1,2-Trichloroethane
 Concen: 27.306 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Tgt Ion:	97	Resp:	44086
Ion	Ratio	Lower	Upper
97	100		
83	87.5	63.8	118.6
85	54.3	39.5	73.4
99	61.2	45.9	85.3



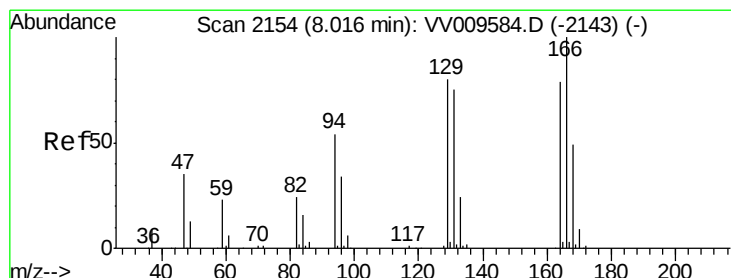
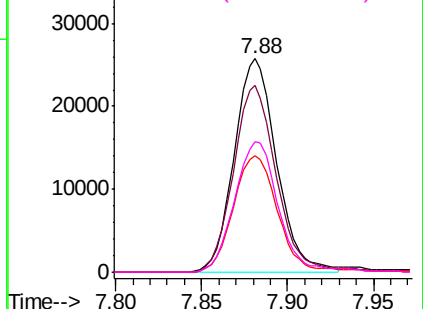
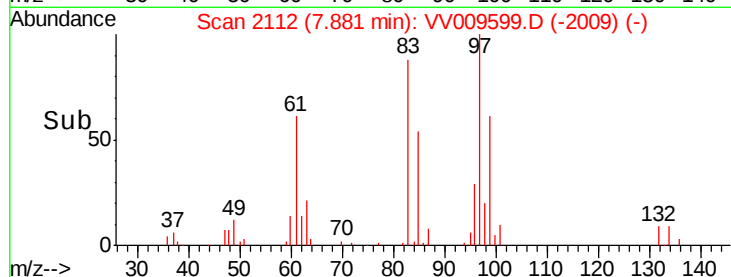
Abundance

Ion 97.00 (96.70 to 97.70): VV009599.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV009599.D (-2099) (-)

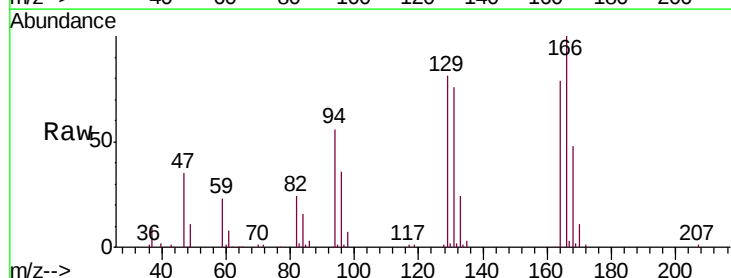
Ion 85.00 (84.70 to 85.70): VV009599.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV009599.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 27.778 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion:	164	Resp:	45635
Ion	Ratio	Lower	Upper
164	100		
129	102.2	67.7	125.7
131	96.4	67.5	125.3
166	126.6	81.6	151.6



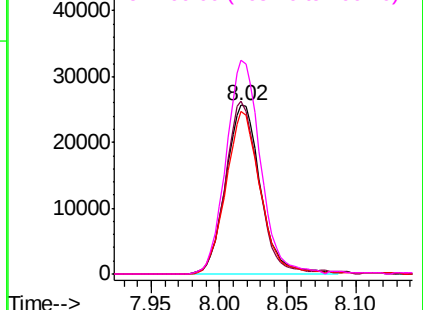
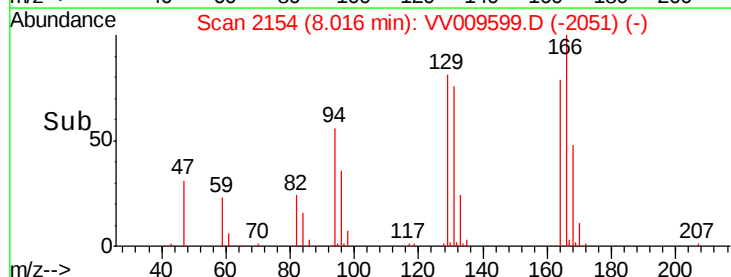
Abundance

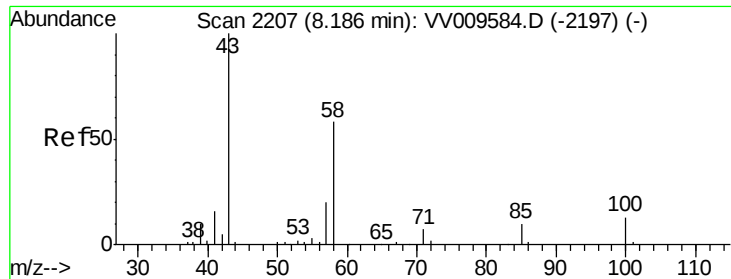
Ion 164.00 (163.70 to 164.70): VV009599.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV009599.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV009599.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV009599.D (-2051) (-)

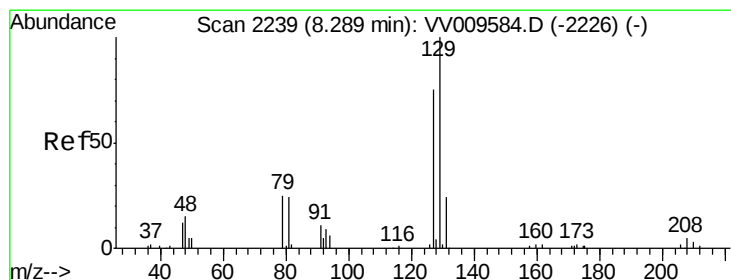
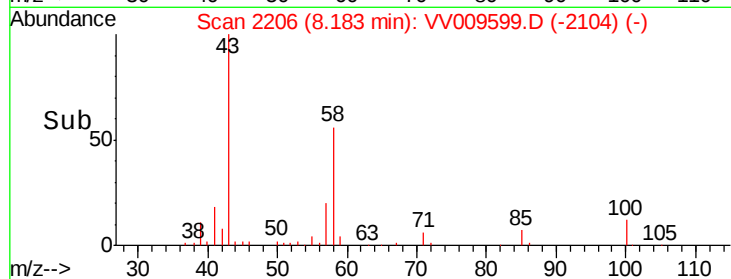
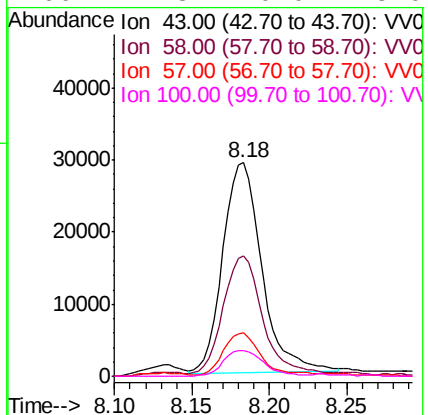
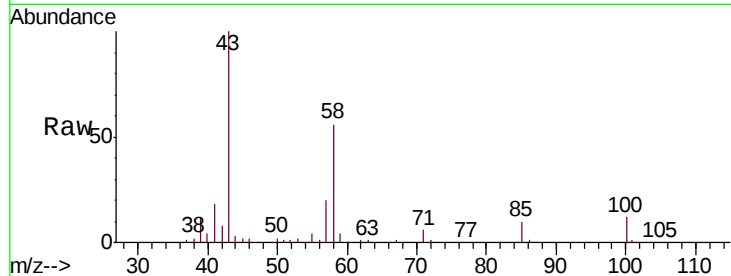




#49
2-Hexanone
Concen: 44.241 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

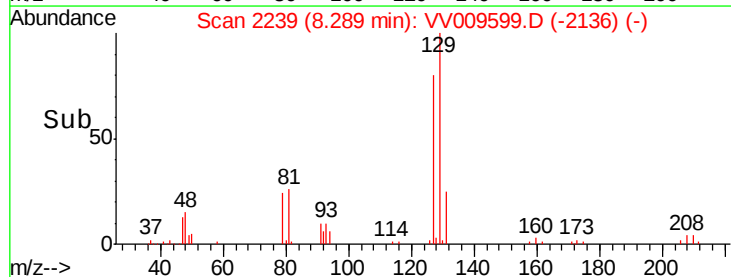
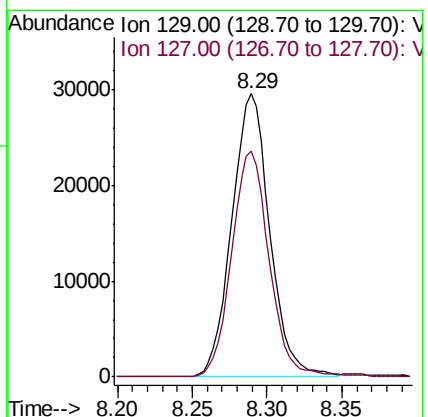
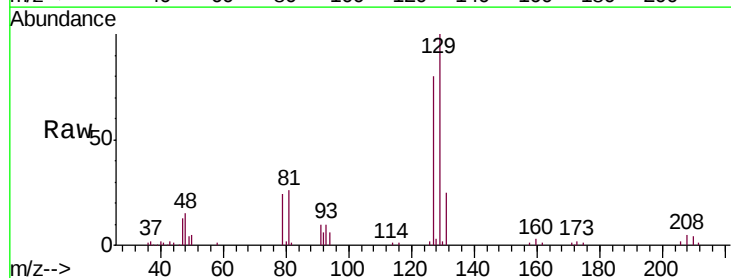
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

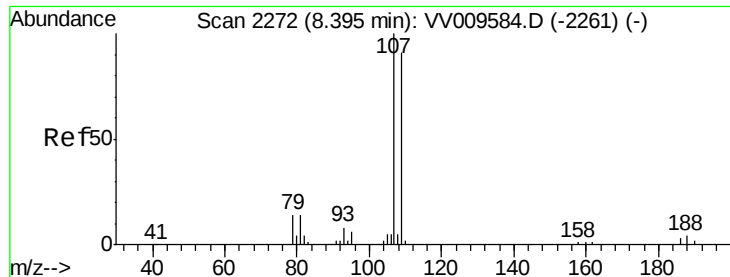
Tgt Ion:	43	Resp:	51248
Ion	Ratio	Lower	Upper
43	100		
58	56.0	46.3	69.5
57	18.0	15.8	23.6
100	12.8	10.0	15.0



#50
Dibromochloromethane
Concen: 26.749 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Tgt Ion:	129	Resp:	52284
Ion	Ratio	Lower	Upper
129	100		
127	79.6	53.7	99.7





#51

1,2-Dibromoethane

Concen: 26.396 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

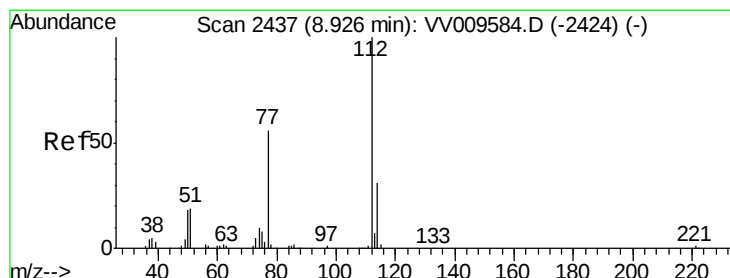
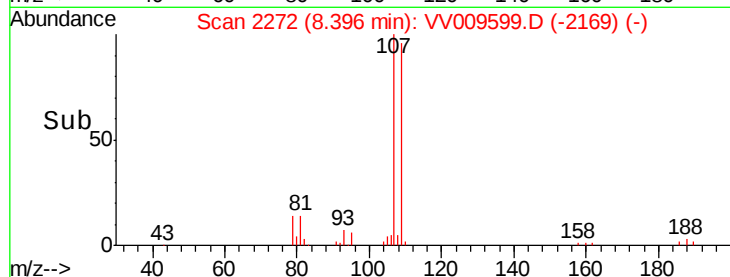
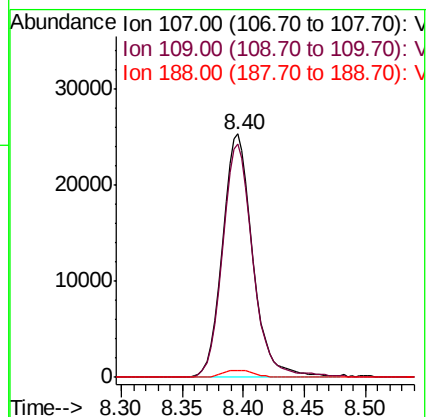
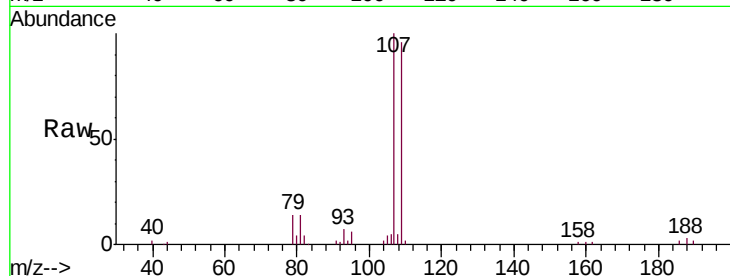
Tgt Ion:107 Resp: 44031

Ion Ratio Lower Upper

107 100

109 95.7 65.6 121.8

188 3.0 2.3 3.5



#52

Chlorobenzene

Concen: 27.343 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

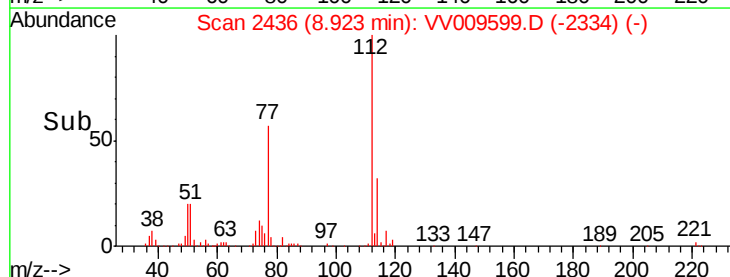
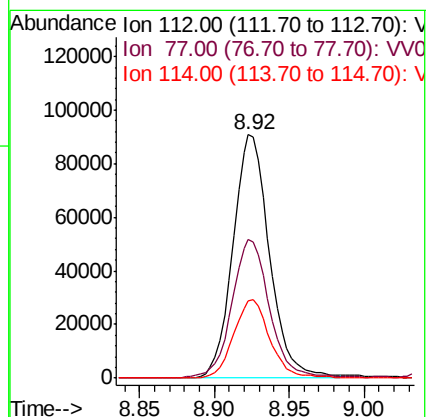
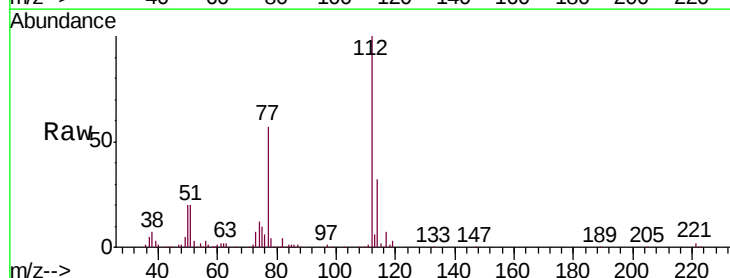
Tgt Ion:112 Resp: 154402

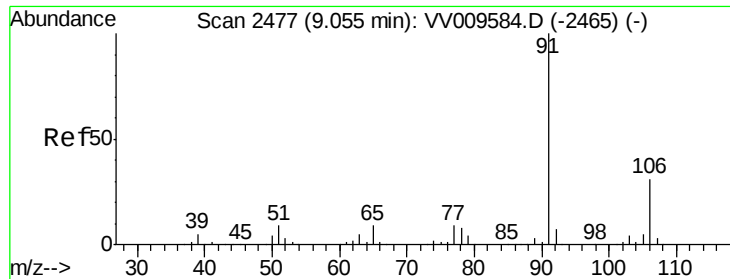
Ion Ratio Lower Upper

112 100

77 57.0 45.0 67.6

114 31.8 22.9 42.5

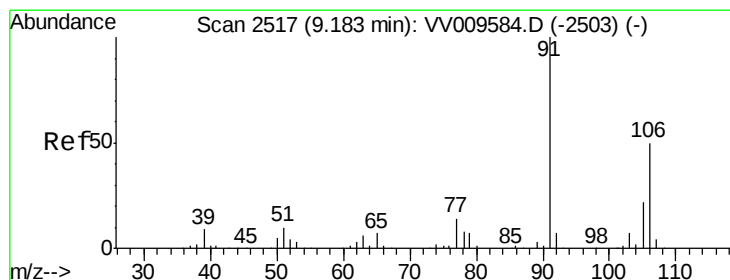
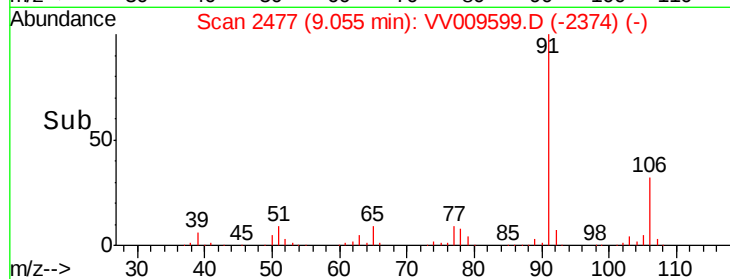
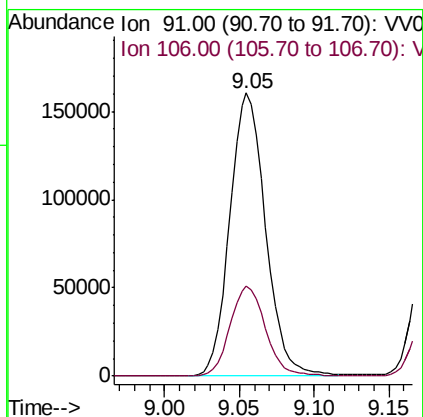
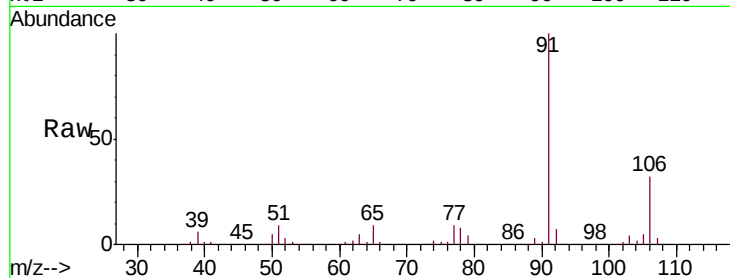




#53
Ethylbenzene
Concen: 27.467 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

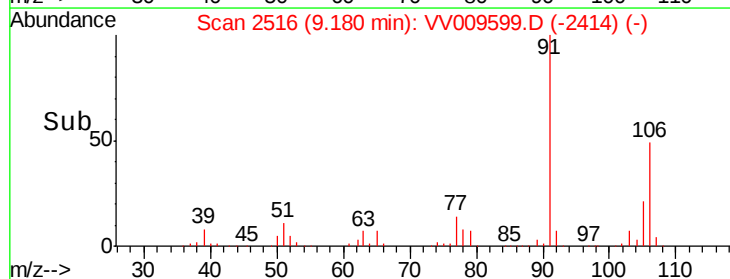
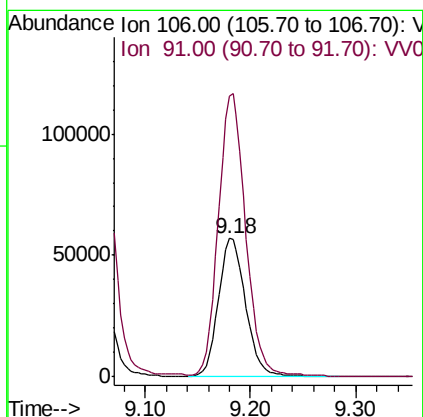
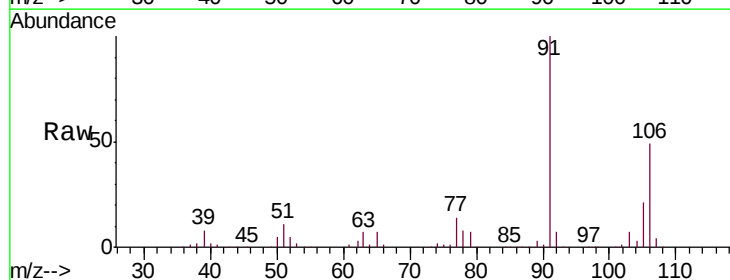
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

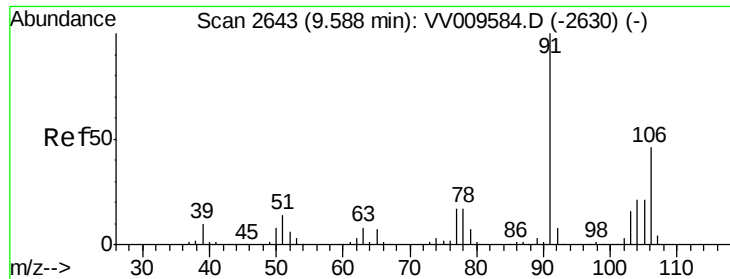
Tgt Ion: 91 Resp: 267769
Ion Ratio Lower Upper
91 100
106 31.7 23.0 42.6



#54
m,p-Xylene
Concen: 27.834 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV009599.D
Acq: 11 Mar 2019 18:11

Tgt Ion: 106 Resp: 102701
Ion Ratio Lower Upper
106 100
91 202.7 138.5 257.1





#55

o-xylene

Concen: 27.485 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

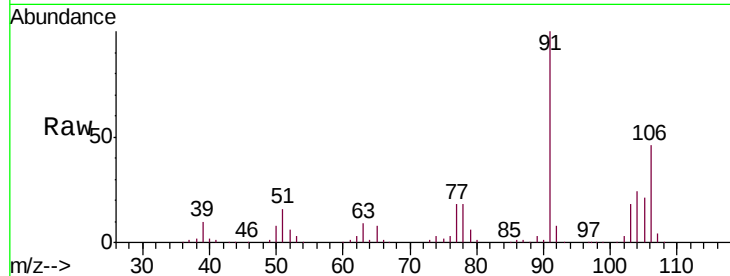
VSTD02577

Tgt Ion:106 Resp: 97789

Ion Ratio Lower Upper

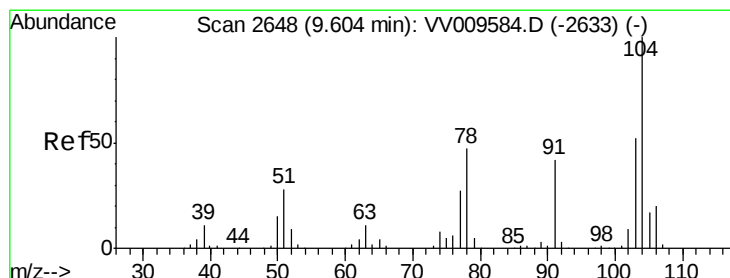
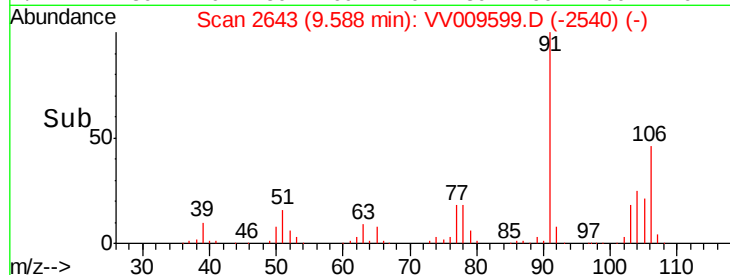
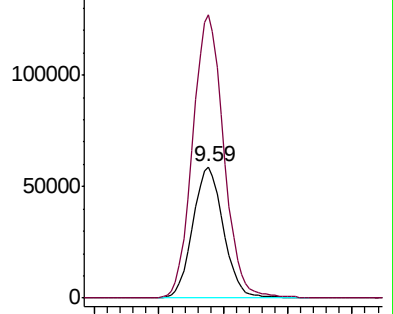
106 100

91 215.8 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 28.202 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009599.D

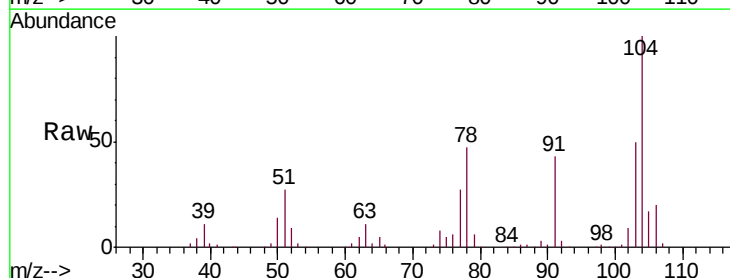
Acq: 11 Mar 2019 18:11

Tgt Ion:104 Resp: 165077

Ion Ratio Lower Upper

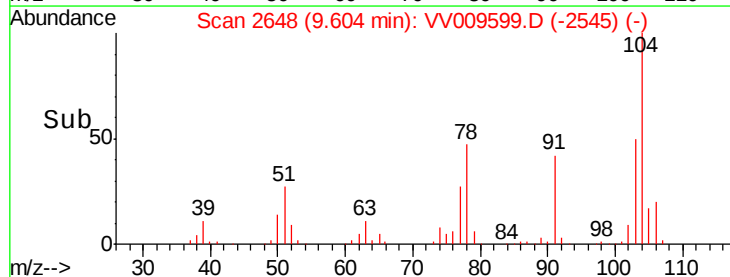
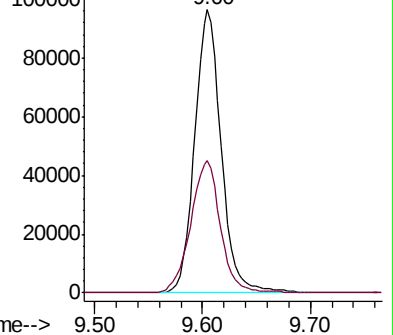
104 100

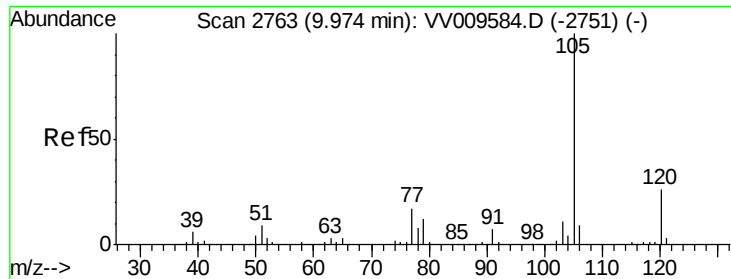
78 46.6 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.379 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

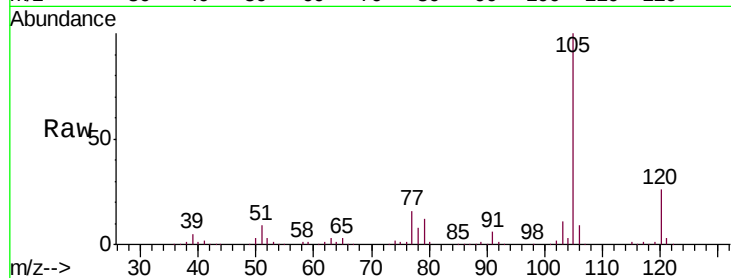
Tgt Ion: 105 Resp: 268686

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

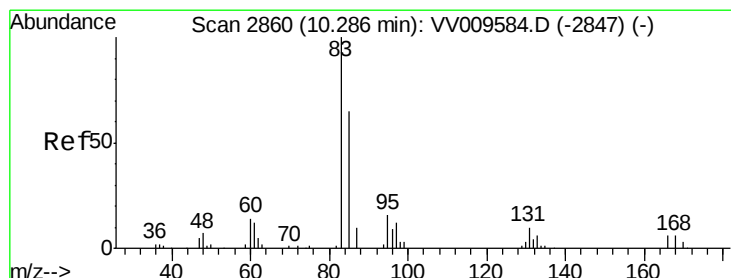
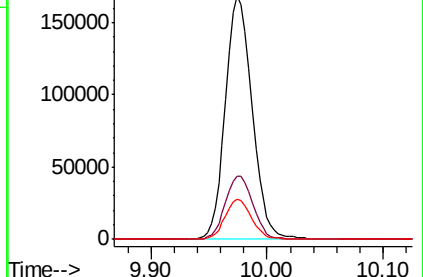
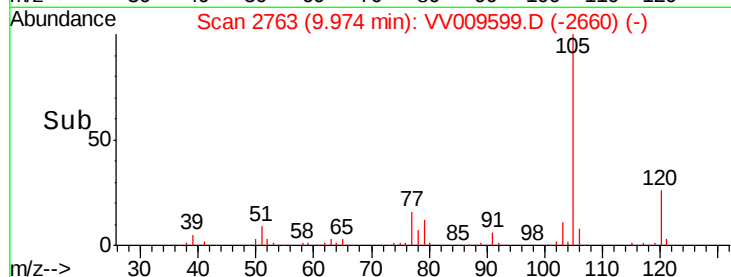
77 16.2 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.969 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

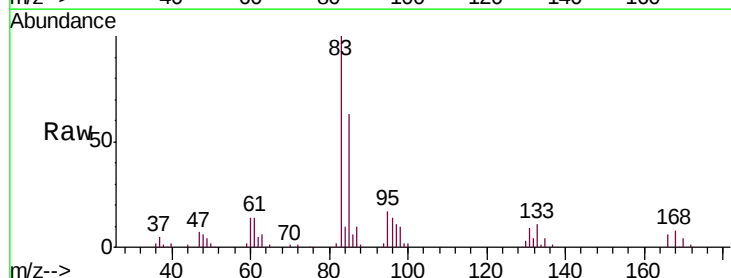
Tgt Ion: 83 Resp: 61481

Ion Ratio Lower Upper

83 100

85 63.3 44.7 83.1

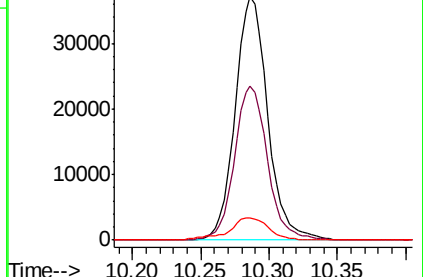
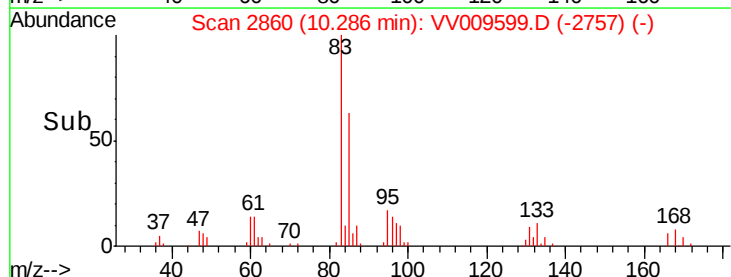
131 9.2 7.0 10.6

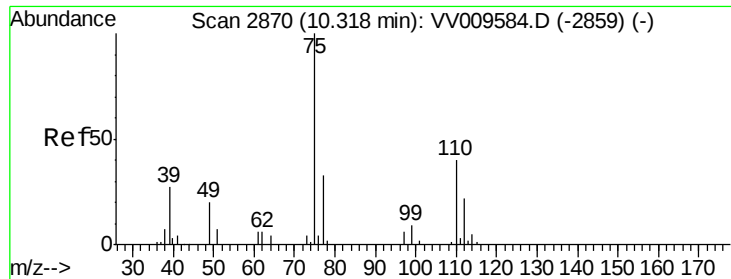


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.734 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

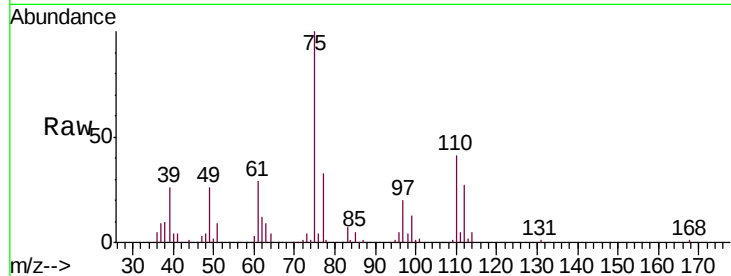
VSTD02577

Tgt Ion: 75 Resp: 42291

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9

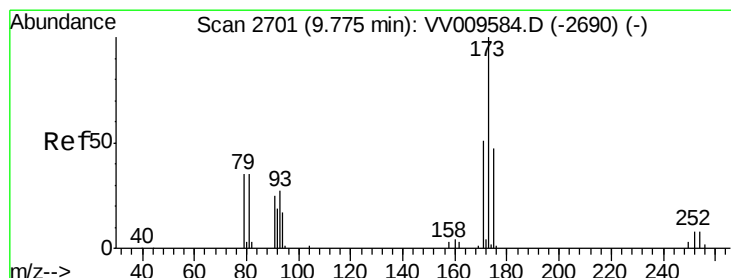
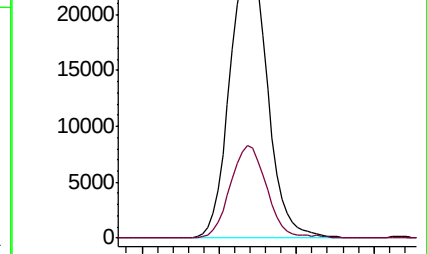
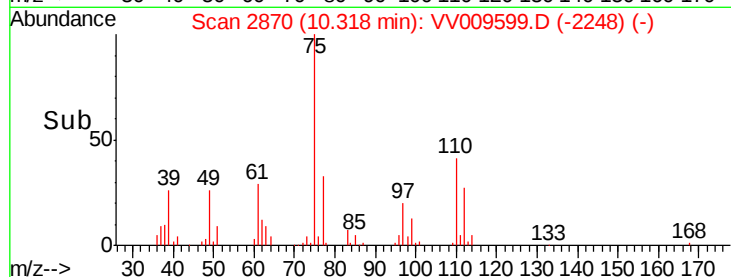


Abundance Ion 75.00 (74.70 to 75.70): VV009584.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009584.D (-2859) (-)

10.32

Time-->



#62

Bromoform

Concen: 26.276 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

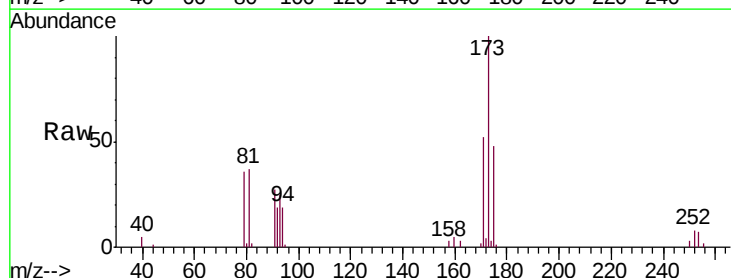
Tgt Ion: 173 Resp: 29564

Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 7.2 5.8 8.8



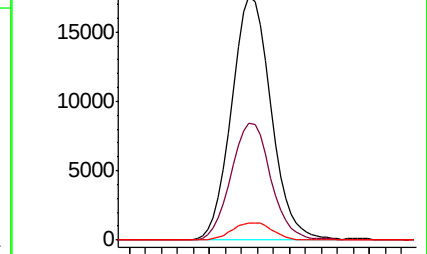
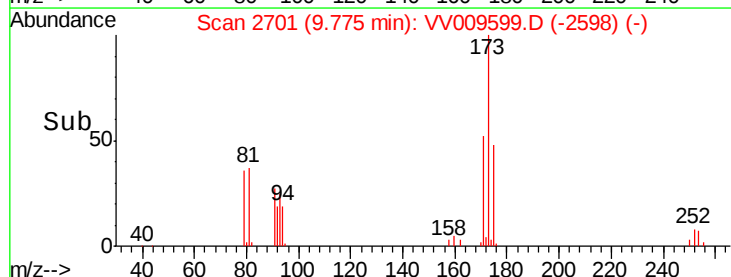
Abundance Ion 173.00 (172.70 to 173.70): VV009584.D (-2690) (-)

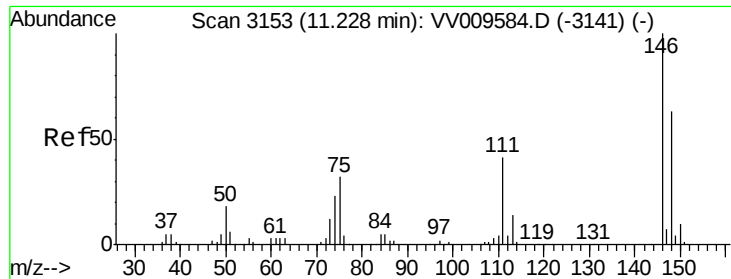
Ion 175.00 (174.70 to 175.70): VV009584.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009584.D (-2690) (-)

9.77

Time-->

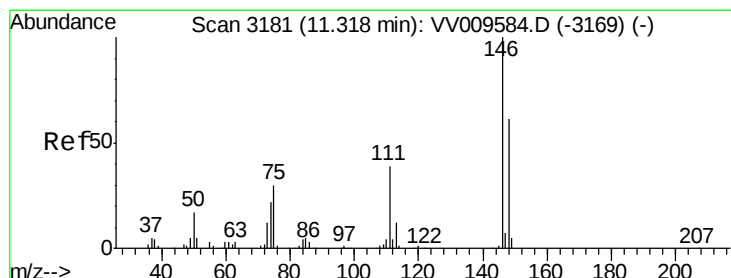
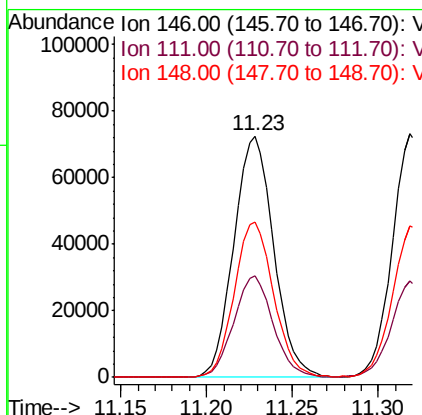
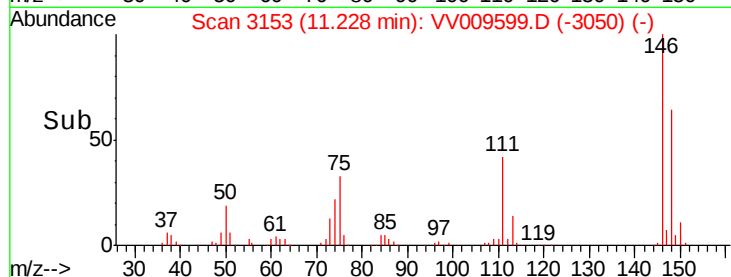
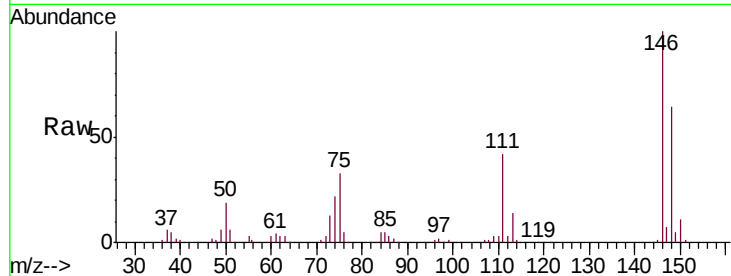




#63
 1,3-Dichlorobenzene
 Concen: 26.936 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

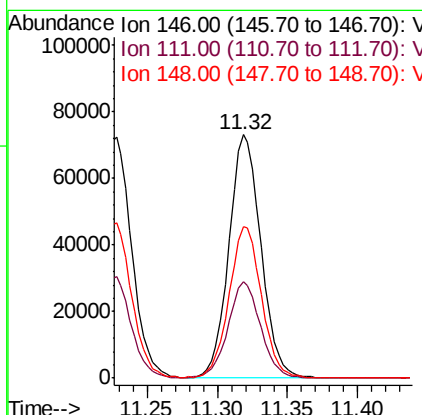
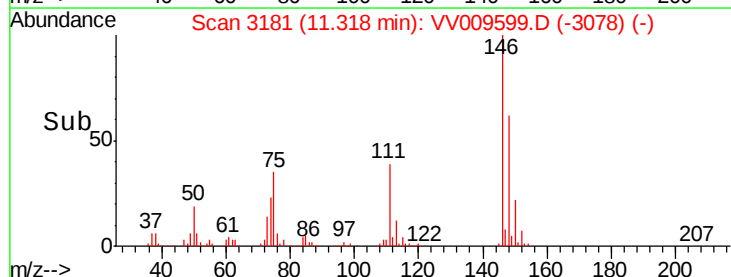
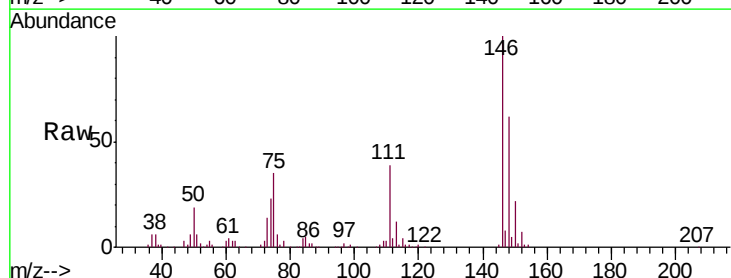
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

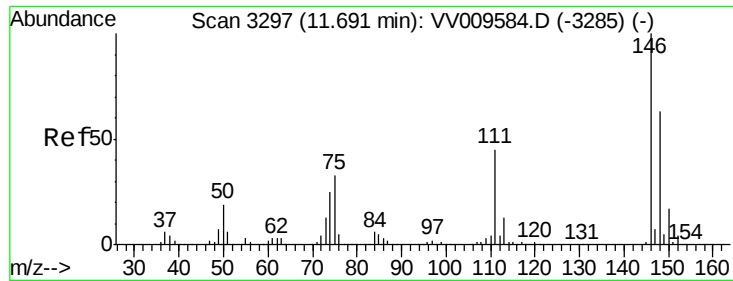
Tgt Ion:146 Resp: 116656
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.6 55.0
 148 64.5 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 26.333 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion:146 Resp: 116538
 Ion Ratio Lower Upper
 146 100
 111 39.4 29.2 54.2
 148 62.1 43.0 79.8

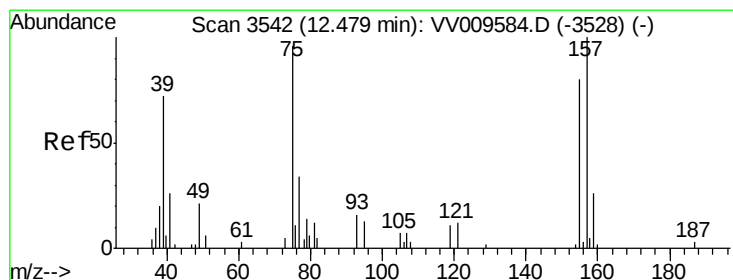
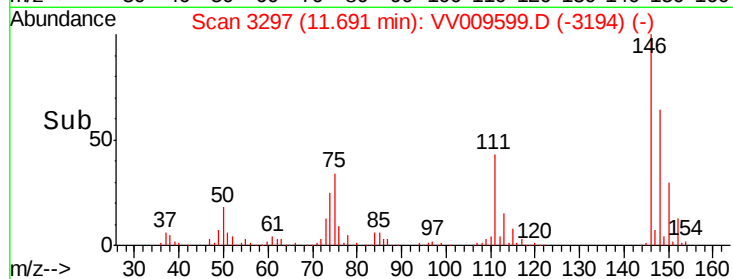
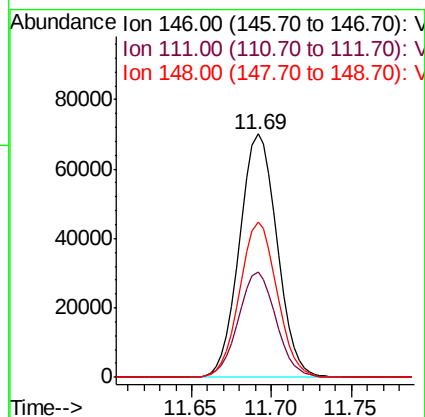
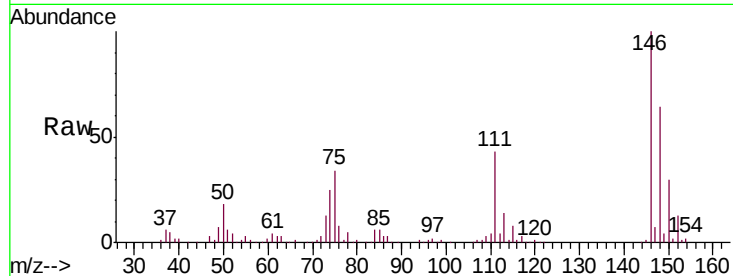




#65
 1,2-Dichlorobenzene
 Concen: 27.768 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

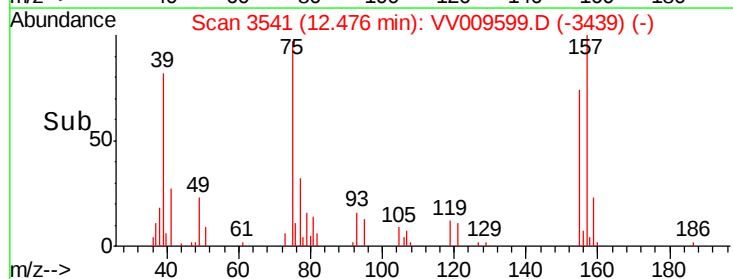
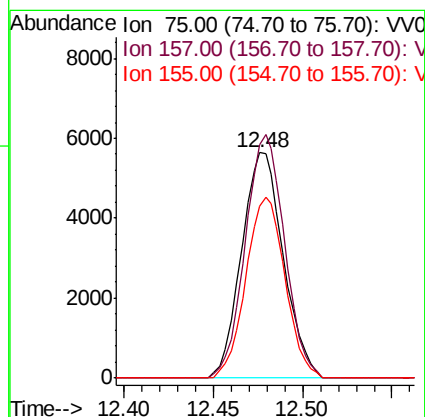
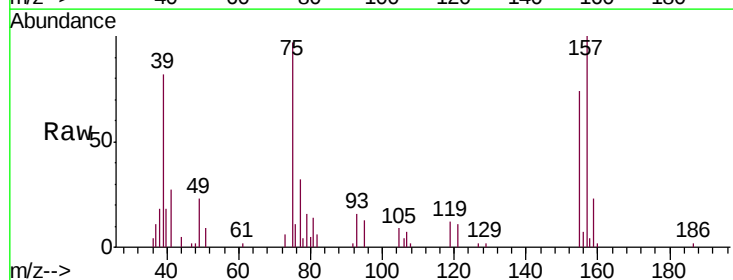
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

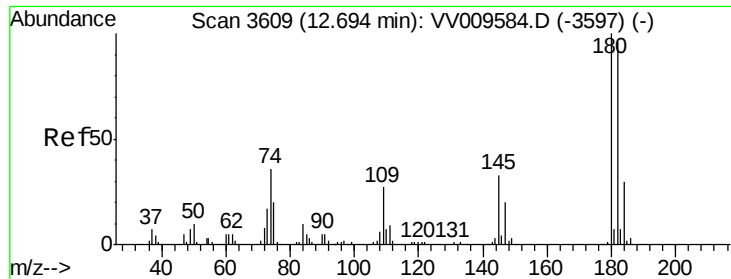
Tgt Ion: 146 Resp: 112149
 Ion Ratio Lower Upper
 146 100
 111 43.1 35.4 53.0
 148 63.8 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.816 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion: 75 Resp: 9230
 Ion Ratio Lower Upper
 75 100
 157 103.6 81.0 121.4
 155 76.5 61.2 91.8

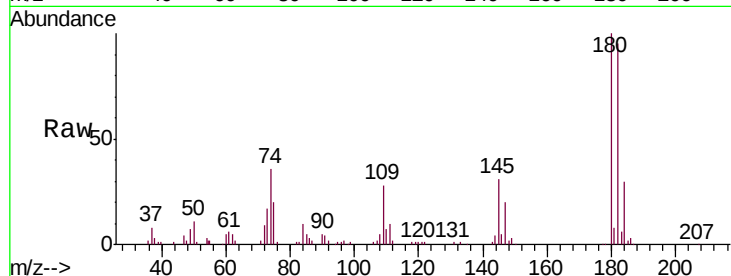




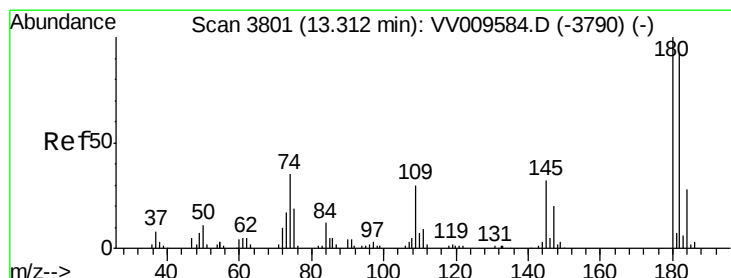
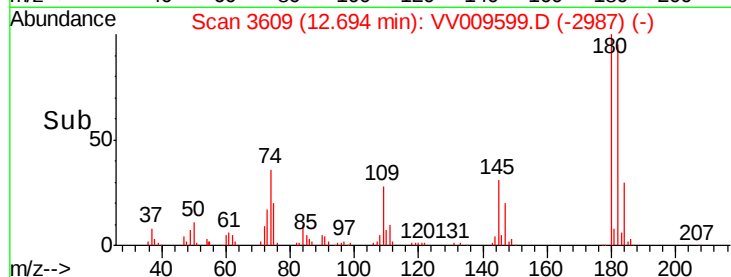
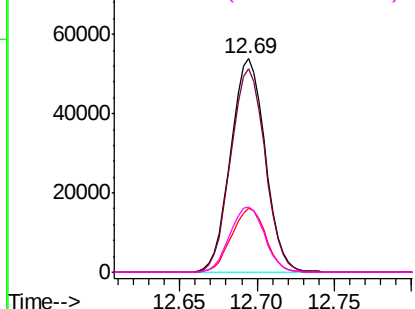
#67
 1,3,5-Trichlorobenzene
 Concen: 26.804 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Tgt Ion:180 Resp: 83267
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.4 113.2
 184 29.8 23.9 35.9
 145 30.9 26.0 39.0

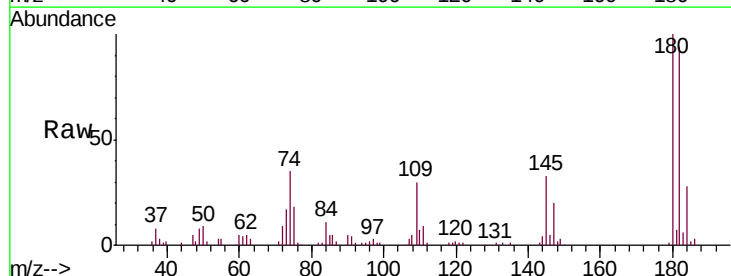


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

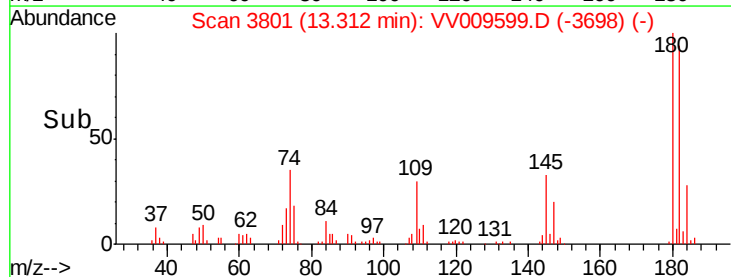
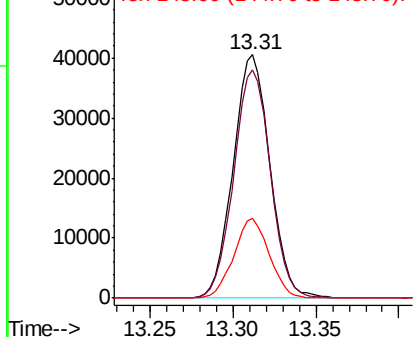


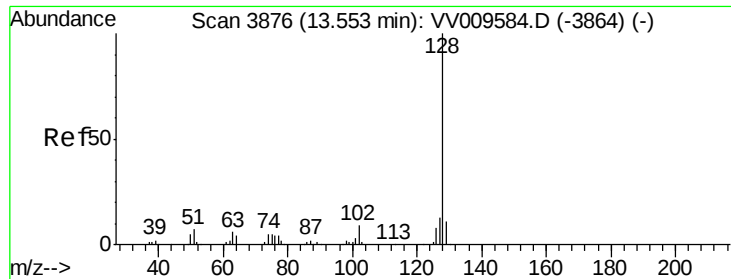
#68
 1,2,4-trichlorobenzene
 Concen: 25.161 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009599.D
 Acq: 11 Mar 2019 18:11

Tgt Ion:180 Resp: 62580
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.9 113.9
 145 31.6 26.2 39.4



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





#69

Naphthalene

Concen: 20.540 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

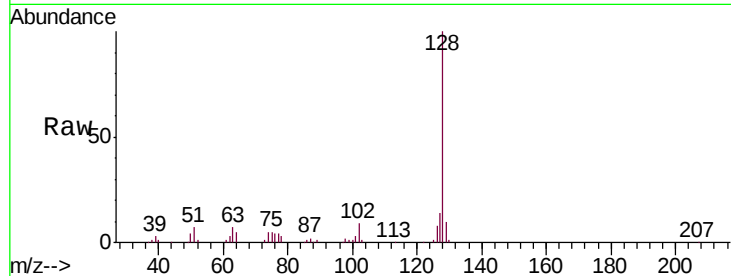
Tgt Ion:128 Resp: 107603

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

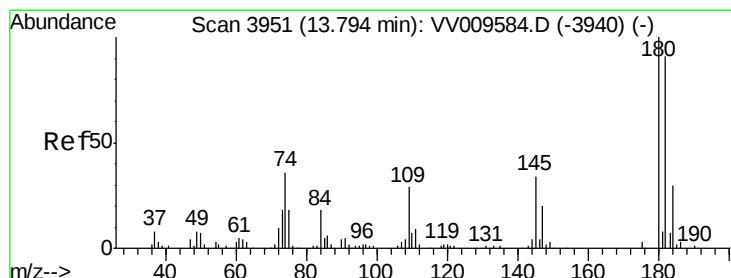
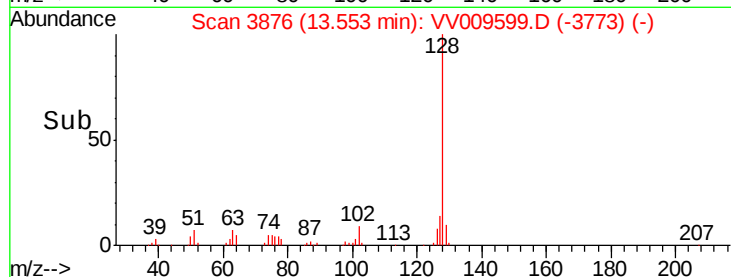
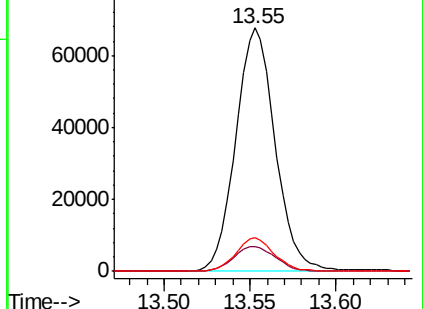
127 13.3 10.6 16.0



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: 24.459 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009599.D

Acq: 11 Mar 2019 18:11

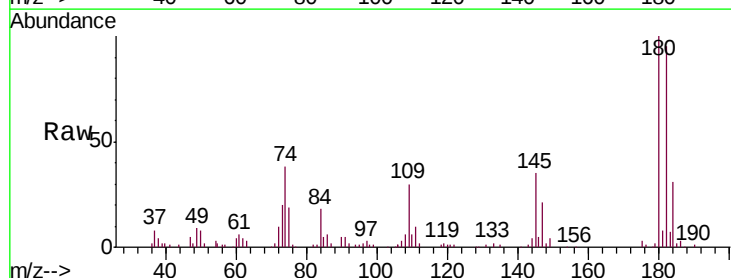
Tgt Ion:180 Resp: 55965

Ion Ratio Lower Upper

180 100

182 94.5 74.2 111.2

145 34.4 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

