

Data File : VV009605.D
Acq On : 12 Mar 2019 12:17
Operator : SY/MD
Sample : VSTD20065
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Quant Time: Mar 13 01:52:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 01:47:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	179523	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183091	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98351	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	195617	184.11	ug/L	0.00
7) Chloroethane-d5	1.55	69	143701	129.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	542610	193.58	ug/L	0.00
21) 2-Butanone-d5	3.93	46	308015	392.28	ug/L	0.00
24) Chloroform-d	4.40	84	456049	196.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	289693	188.63	ug/L	0.00
32) Benzene-d6	5.10	84	901282	189.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	271698	190.85	ug/L	0.00
41) Toluene-d8	7.36	98	917895	197.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	155280	211.19	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	260590	418.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	467406	204.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	395428	190.59	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	234342	206.422	ug/L	100
3) Chloromethane	1.25	50	213687	197.057	ug/L	96
5) Vinyl chloride	1.32	62	236581	204.613	ug/L	99
6) Bromomethane	1.51	94	186010	188.606	ug/L	96
8) Chloroethane	1.57	64	186698	207.336	ug/L	100
9) Trichlorofluoromethane	1.75	101	496006	202.343	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	278770	205.095	ug/L	99
12) 1,1-Dichloroethene	2.13	96	243827	209.690	ug/L	96
13) Acetone	2.19	43	284244	343.475	ug/L	96
14) Carbon disulfide	2.31	76	616728	212.602	ug/L	99
15) Methyl Acetate	2.46	43	215287	200.741	ug/L	99
16) Methylene chloride	2.53	84	231919	204.938	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	220888	208.300	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	714287	209.586	ug/L	99
19) 1,1-Dichloroethane	3.23	63	400506	204.241	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	258085	209.227	ug/L	97
22) 2-Butanone	4.02	43	365191	406.602	ug/L	99
23) Bromochloromethane	4.30	128	132708	213.197	ug/L	93
25) Chloroform	4.42	83	442184	201.160	ug/L	97
27) 1,2-Dichloroethane	5.18	62	352024	204.392	ug/L	98
29) Cyclohexane	4.72	56	369794	207.485	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	411092	212.399	ug/L	100
31) Carbon tetrachloride	4.87	117	369698	228.890	ug/L	99
33) Benzene	5.15	78	952392	207.259	ug/L	100
34) Trichloroethene	5.96	95	258060	210.411	ug/L	97
35) Methylcyclohexane	6.18	83	422297	212.849	ug/L	98
37) 1,2-Dichloropropane	6.22	63	241250	205.979	ug/L	100
38) Bromodichloromethane	6.56	83	361721	219.008	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	426004	228.199	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	681303	432.786	ug/L	100

Data File : VV009605.D
Acq On : 12 Mar 2019 12:17
Operator : SY/MD
Sample : VSTD20065
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Quant Time: Mar 13 01:52:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 01:47:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1124264	214.659	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	410813	234.364	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	254727	210.860	ug/L	99
46) Tetrachloroethene	8.02	164	203268	210.810	ug/L	98
48) 2-Hexanone	8.19	43	585177	466.495	ug/L	96
49) Dibromochloromethane	8.29	129	321055	238.791	ug/L	97
50) 1,2-Dibromoethane	8.40	107	279759	218.625	ug/L	99
51) Chlorobenzene	8.93	112	765786	217.800	ug/L	98
52) Ethylbenzene	9.06	91	1311751	221.083	ug/L	99
53) m,p-Xylene	9.18	106	518337	228.035	ug/L	95
54) o-Xylene	9.59	106	518631	226.042	ug/L	98
55) Styrene	9.61	104	901556	242.523	ug/L	96
56) Isopropylbenzene	9.98	105	1369417	229.230	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	469158	219.674	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	345277	217.420	ug/L	98
61) Bromoform	9.78	173	247803	223.460	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	635080	212.393	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	634013	215.118	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	638743	208.500	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	100234	216.468	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	436362	225.150	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	371388	276.855	ug/L	99
69) Naphthalene	13.55	128	1071787	283.761	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	371073	262.586	ug/L	97

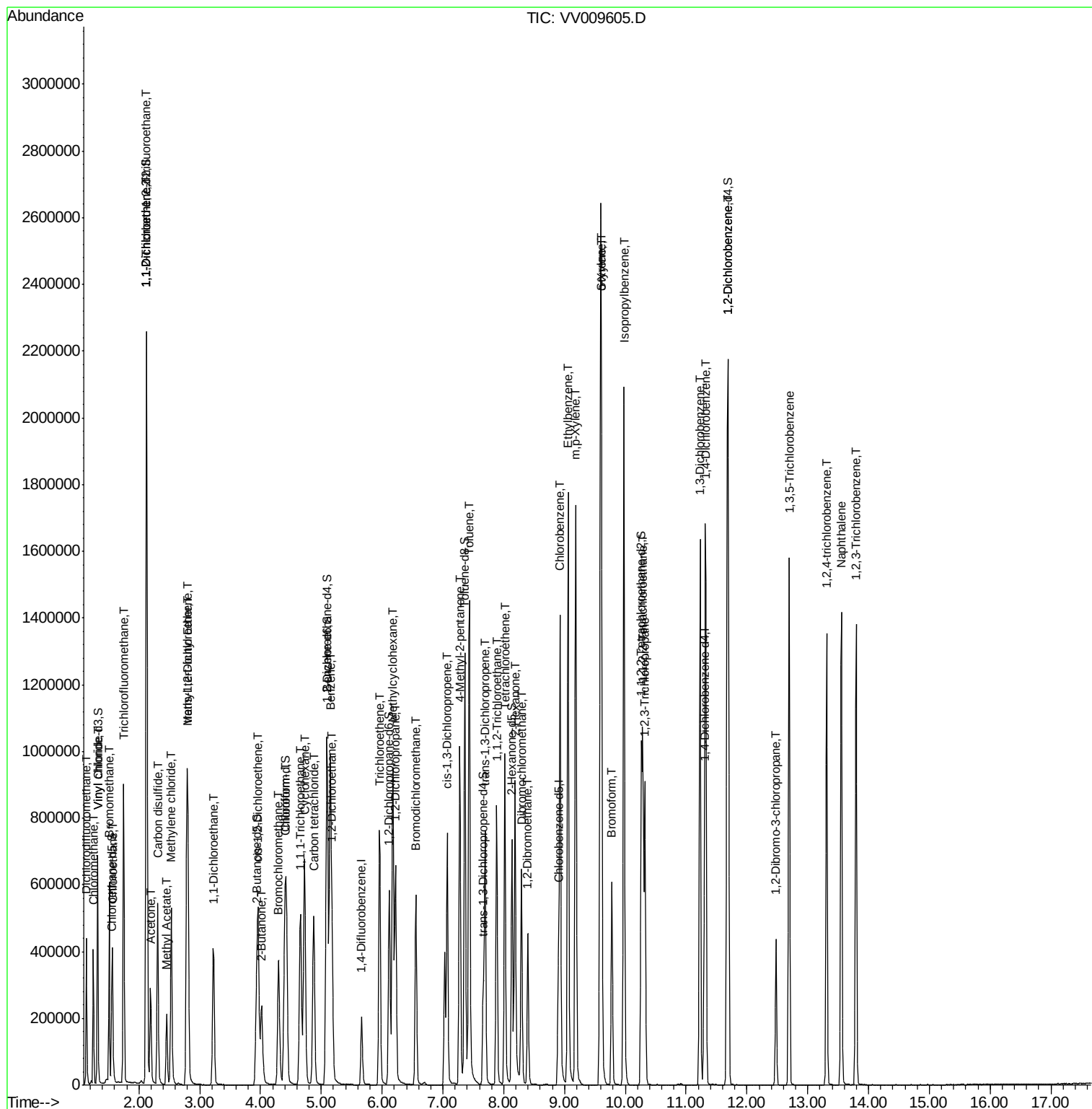
(#) = qualifier out of range (m) = manual integration (+) = signals summed

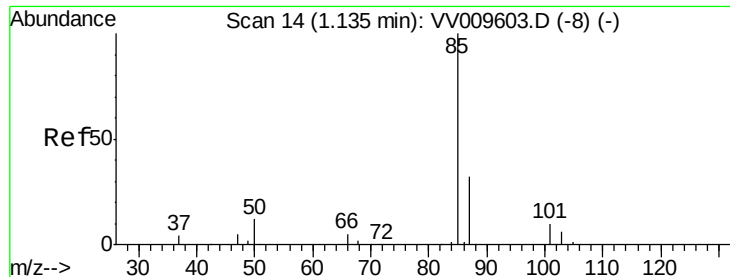
Data File : VV009605.D

```
Acq On       : 12 Mar 2019   12:17
Operator     : SY/MD
Sample       : VSTD20065
Misc         : 5.0mL/MSV0A_V/WATER
ALS Vial     : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Quant Time: Mar 13 01:52:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 01:47:22 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 206.422 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

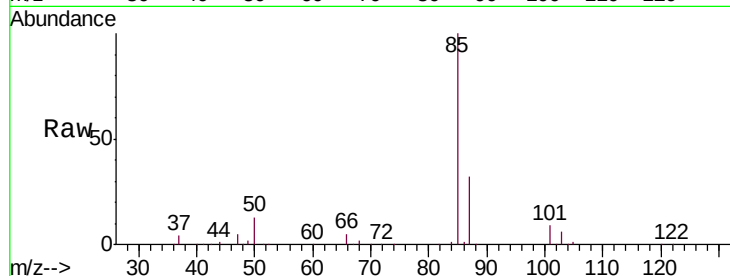
VSTD20065

Tgt Ion: 85 Resp: 234342

Ion Ratio Lower Upper

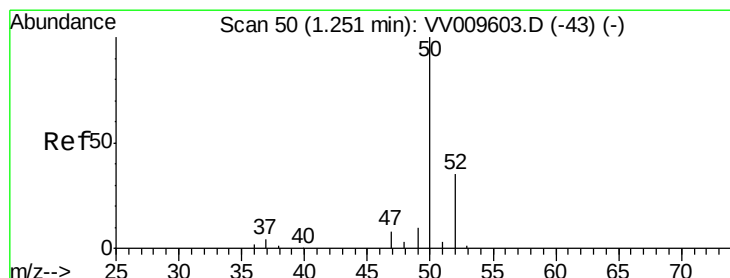
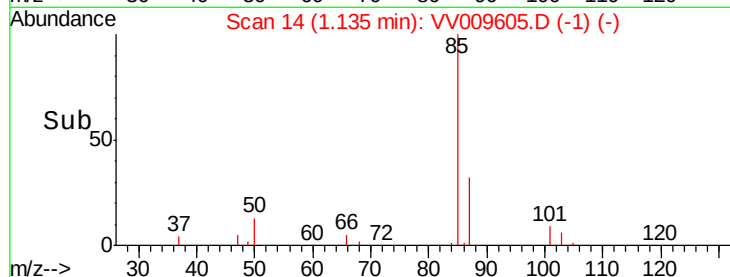
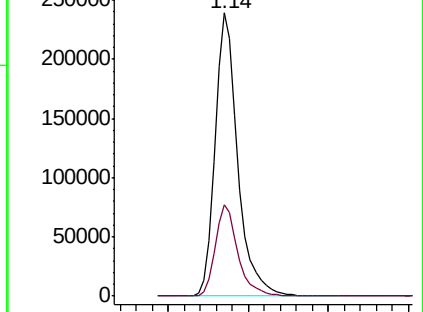
85 100

87 32.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV009603.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009603.D (-8) (-)



#3

Chloromethane

Concen: 197.057 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009605.D

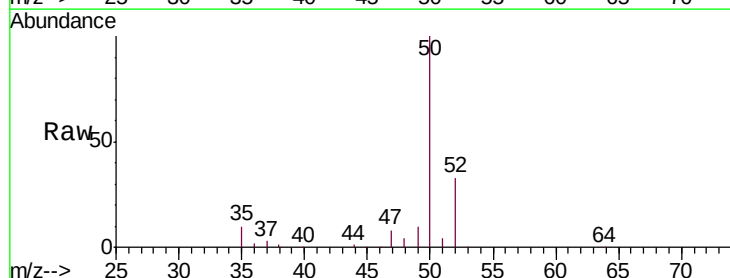
Acq: 12 Mar 2019 12:17

Tgt Ion: 50 Resp: 213687

Ion Ratio Lower Upper

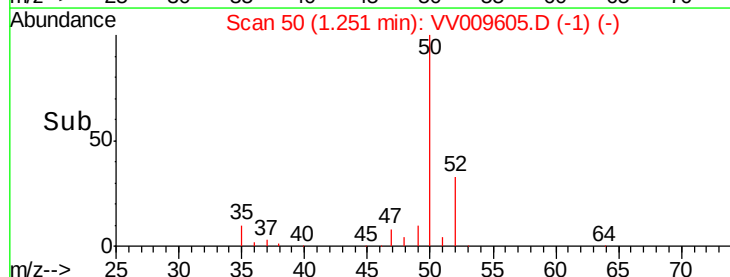
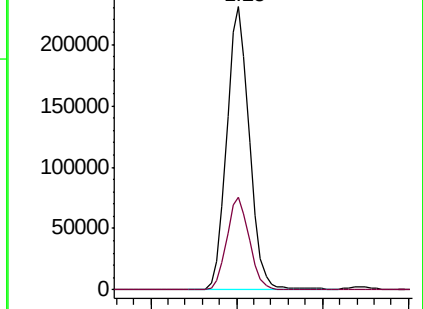
50 100

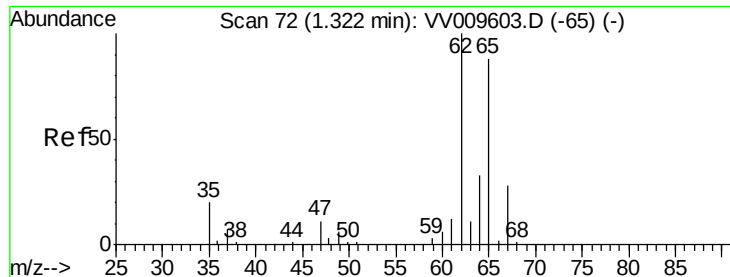
52 32.8 24.7 45.9



Abundance Ion 50.00 (49.70 to 50.70): VV009603.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009603.D (-43) (-)





#5

Vinyl chloride

Concen: 204.613 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

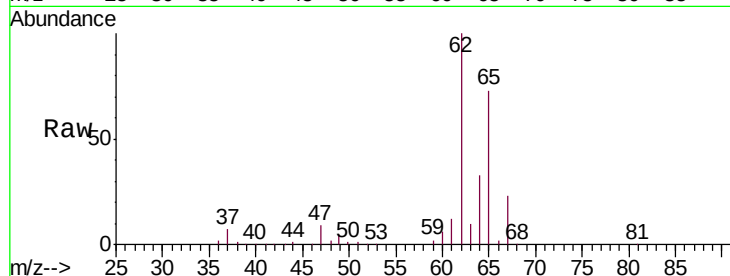
VSTD20065

Tgt Ion: 62 Resp: 236581

Ion Ratio Lower Upper

62 100

64 33.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV009605.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VV009605.D (-1) (-)

1.32

250000

200000

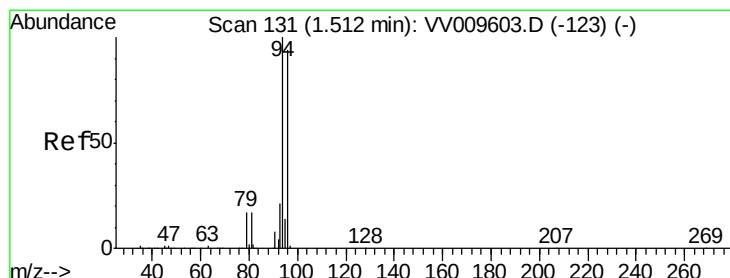
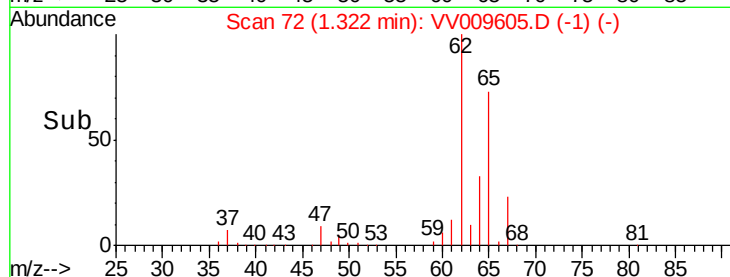
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 188.606 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV009605.D

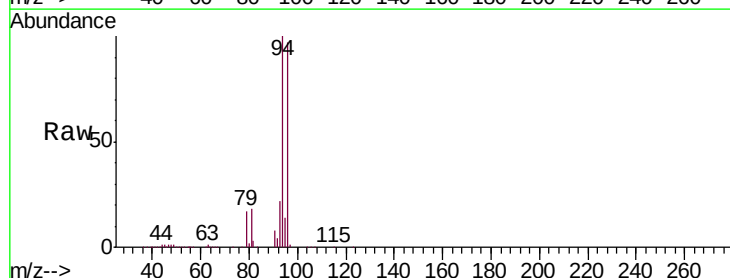
Acq: 12 Mar 2019 12:17

Tgt Ion: 94 Resp: 186010

Ion Ratio Lower Upper

94 100

96 97.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV009605.D (-38) (-)

Ion 96.00 (95.70 to 96.70): VV009605.D (-38) (-)

1.51

200000

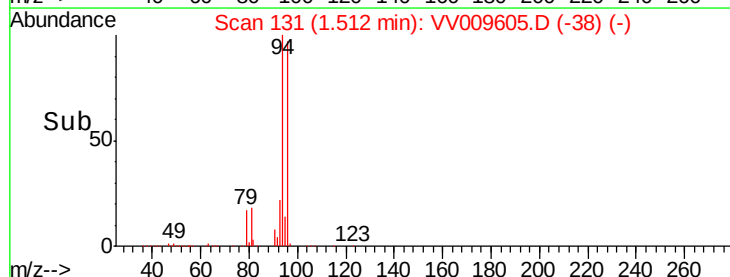
150000

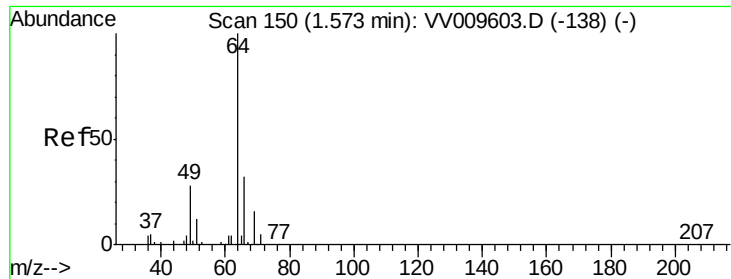
100000

50000

0

Time--> 1.45 1.50 1.55





#8

Chloroethane

Concen: 207.336 ug/L

RT: 1.57 min Scan# 148

Delta R.T. -0.01 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

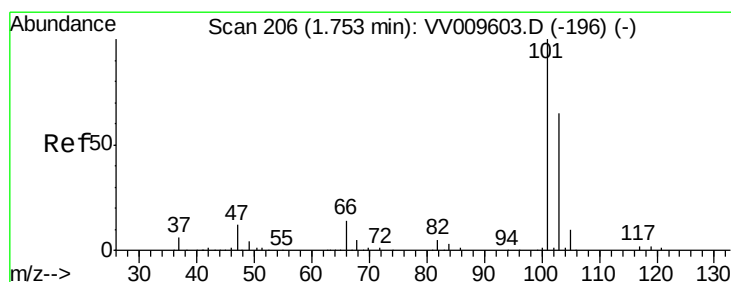
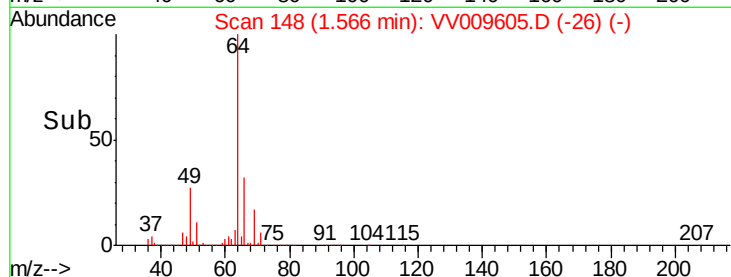
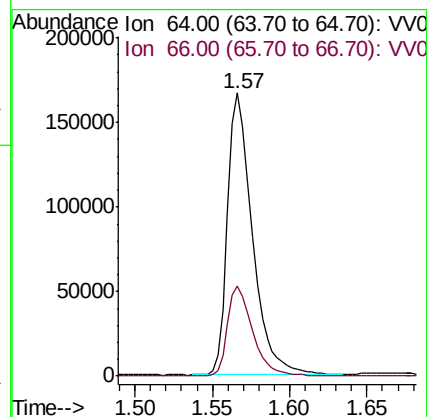
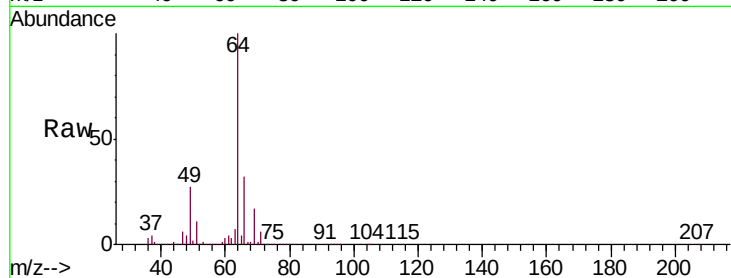
VSTD20065

Tgt Ion: 64 Resp: 186698

Ion Ratio Lower Upper

64 100

66 31.8 22.2 41.2



#9

Trichlorofluoromethane

Concen: 202.343 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.00 min

Lab File: VV009605.D

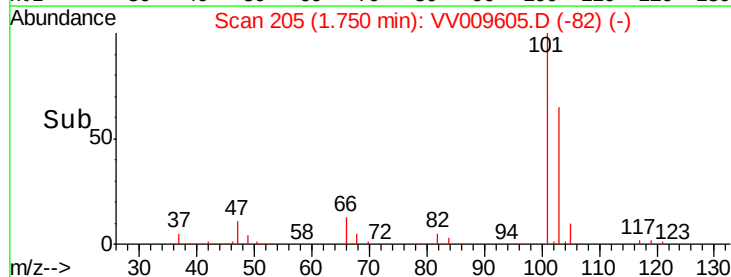
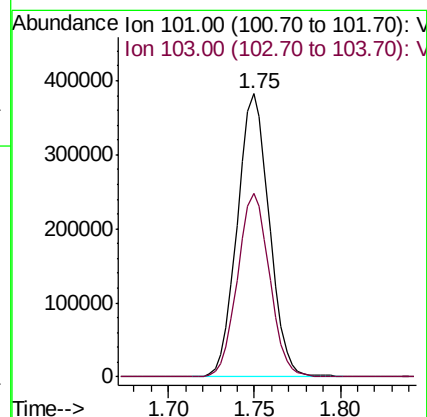
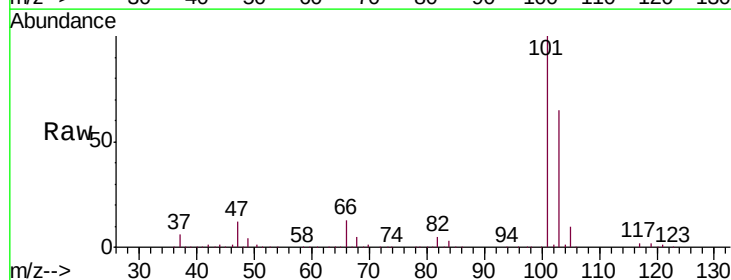
Acq: 12 Mar 2019 12:17

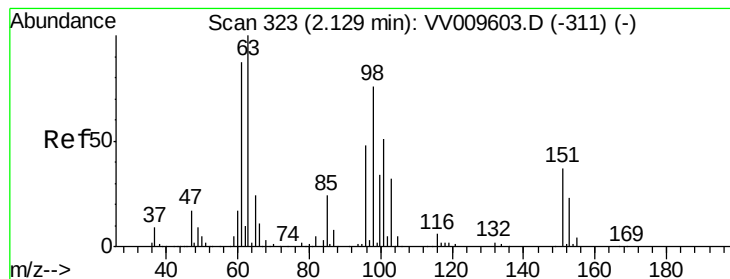
Tgt Ion: 101 Resp: 496006

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.6





#10

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

Concen: 205.095 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

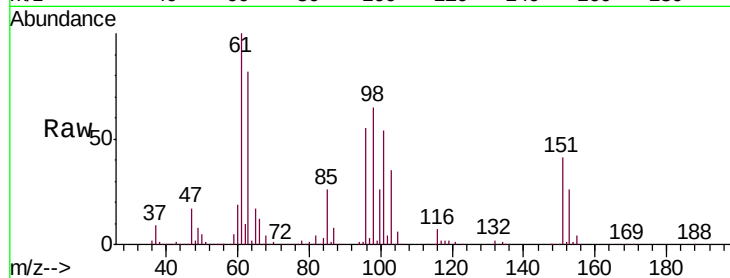
Tgt Ion:101 Resp: 278770

Ion Ratio Lower Upper

101 100

85 47.7 37.8 56.6

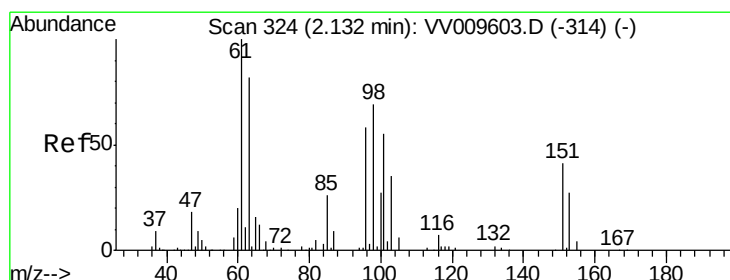
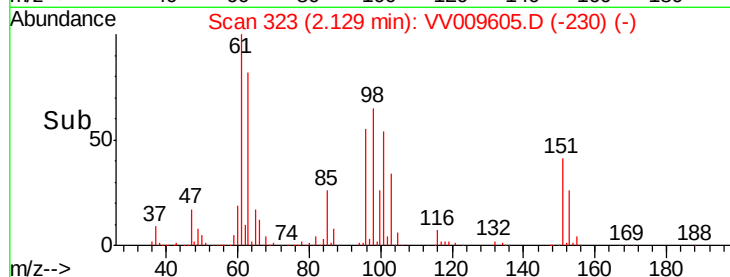
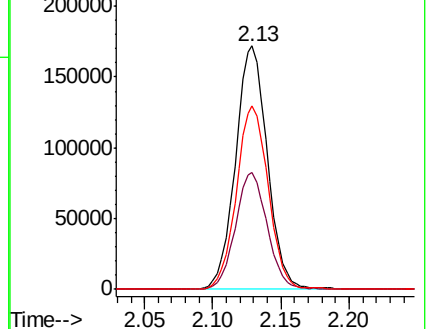
151 75.7 59.6 89.4



Abundance Ion 101.00 (100.70 to 101.70): VV009605.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV009605.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV009605.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 209.690 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

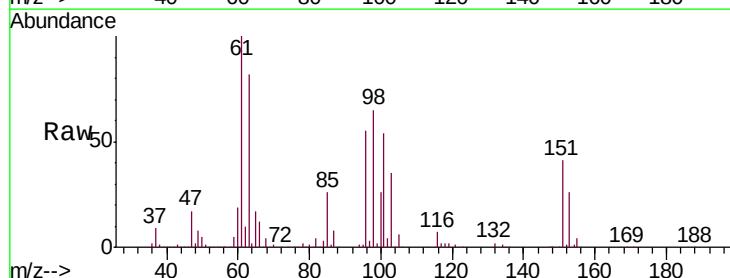
Tgt Ion: 96 Resp: 243827

Ion Ratio Lower Upper

96 100

61 183.2 122.1 226.7

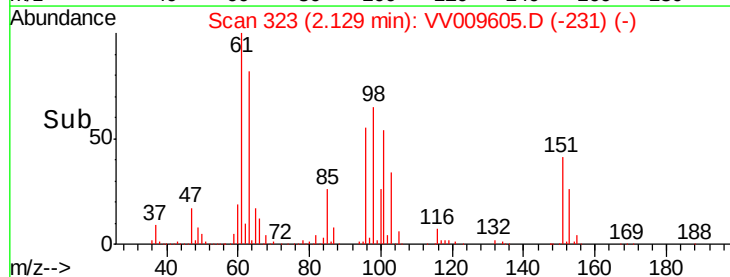
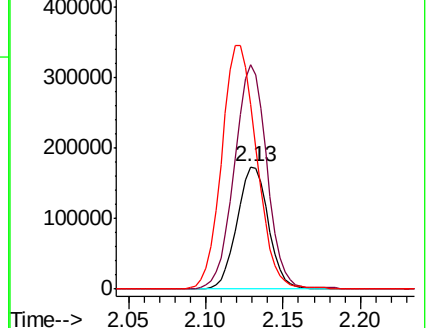
63 150.6 107.6 199.8

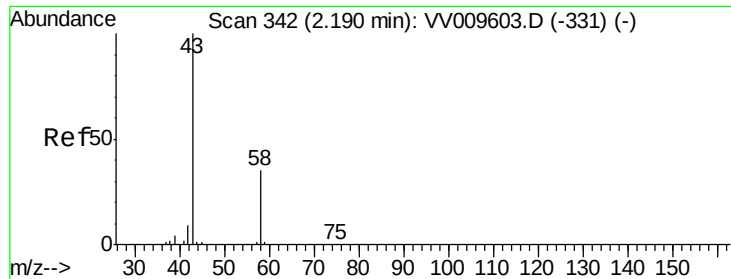


Abundance Ion 96.00 (95.70 to 96.70): VV009605.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV009605.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV009605.D (-231) (-)





#13

Acetone

Concen: 343.475 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

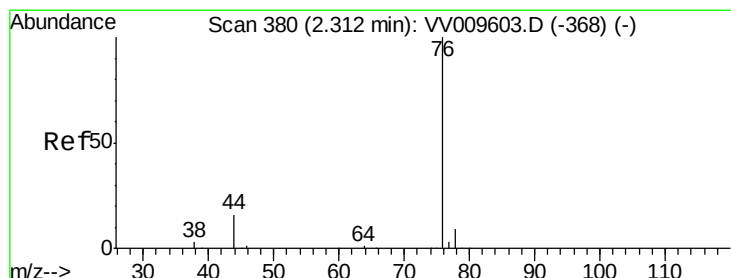
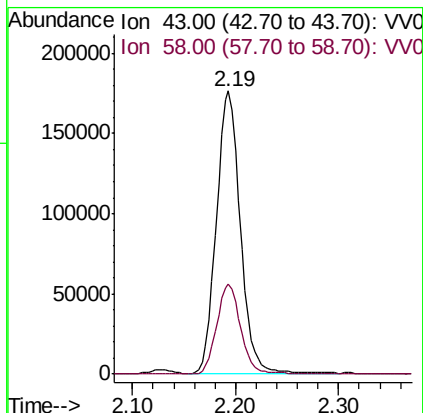
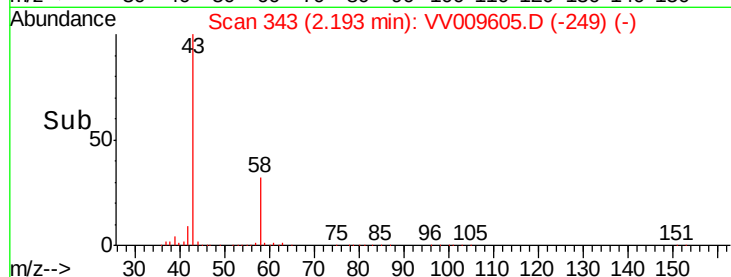
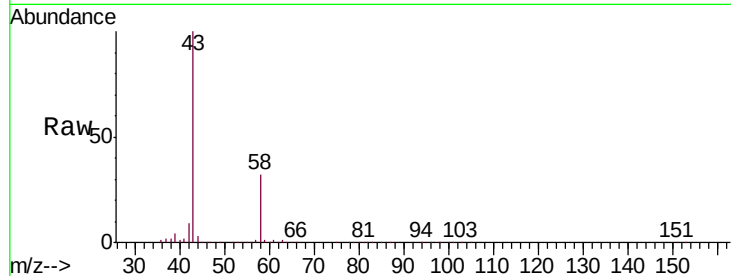
VSTD20065

Tgt Ion: 43 Resp: 284244

Ion Ratio Lower Upper

43 100

58 31.9 0.0 69.0



#14

Carbon disulfide

Concen: 212.602 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV009605.D

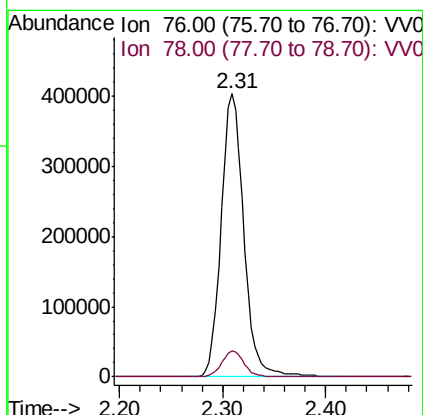
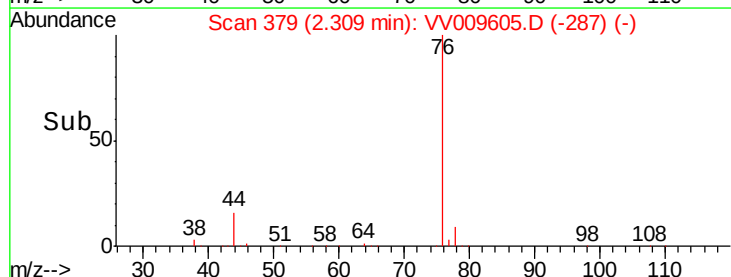
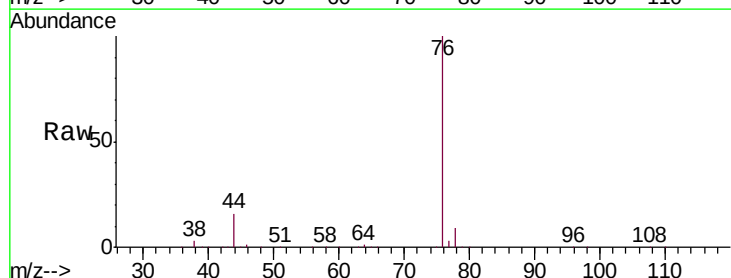
Acq: 12 Mar 2019 12:17

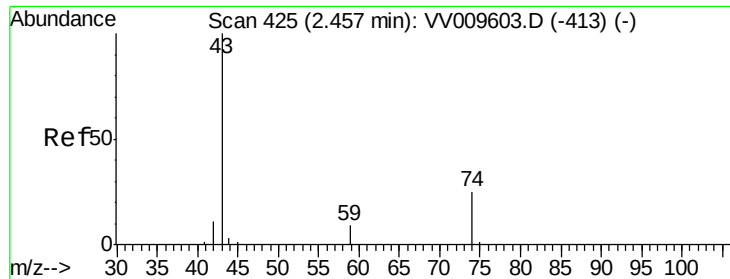
Tgt Ion: 76 Resp: 616728

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

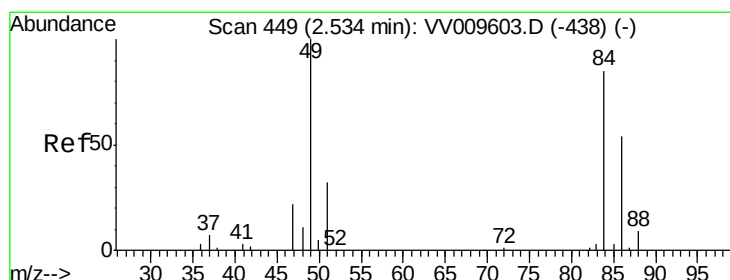
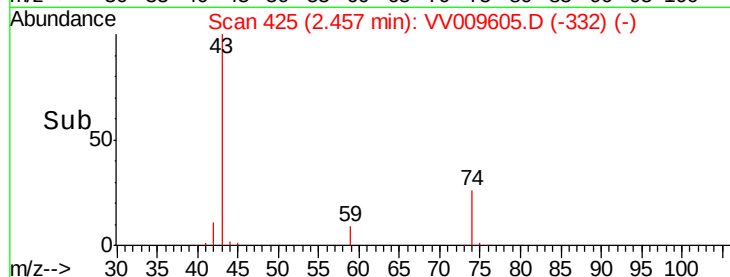
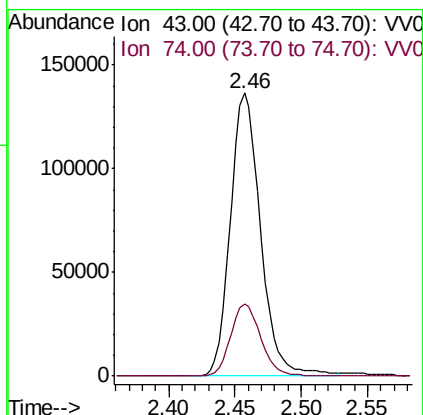
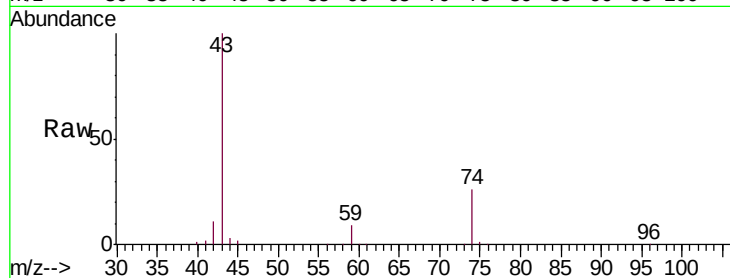




#15
Methyl Acetate
Concen: 200.741 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

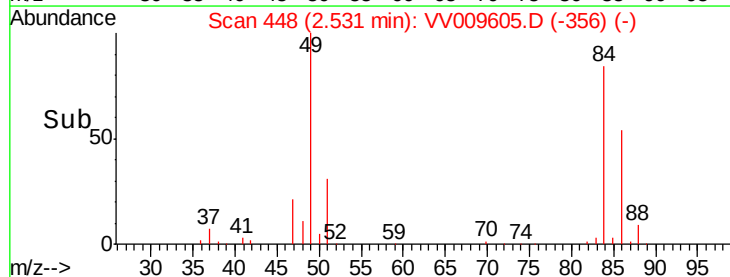
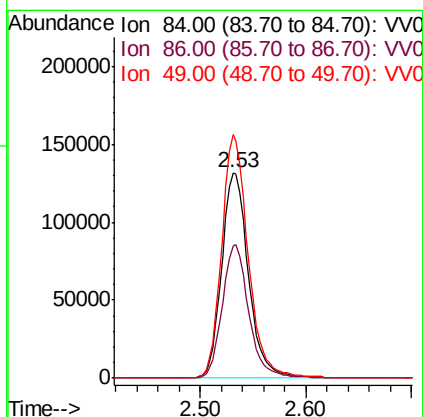
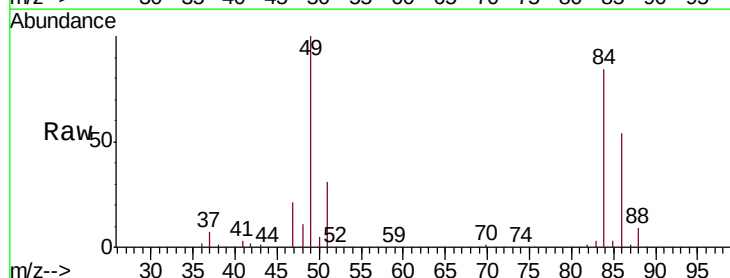
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

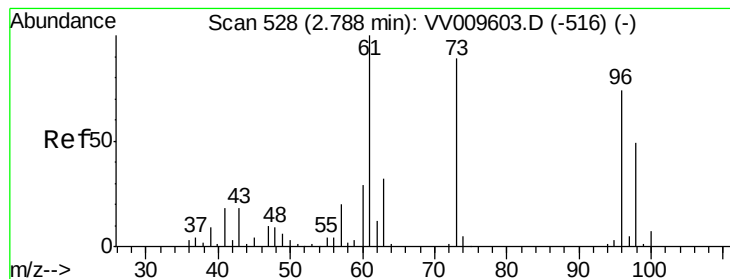
Tgt Ion: 43 Resp: 215287
Ion Ratio Lower Upper
43 100
74 25.5 20.0 30.0



#16
Methylene chloride
Concen: 204.938 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Tgt Ion: 84 Resp: 231919
Ion Ratio Lower Upper
84 100
86 64.5 44.0 81.6
49 118.5 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 208.300 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

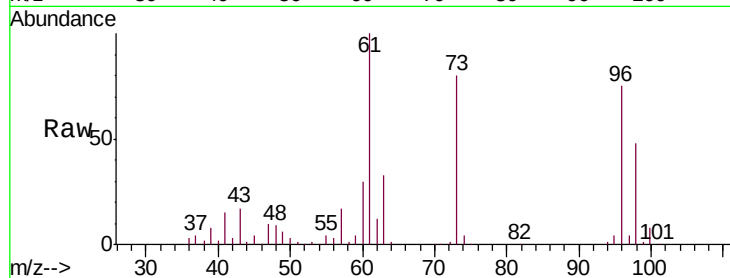
Tgt Ion: 96 Resp: 220888

Ion Ratio Lower Upper

96 100

61 133.7 94.0 174.6

98 64.3 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VV009603.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009603.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009603.D (-516) (-)

2.79

200000

150000

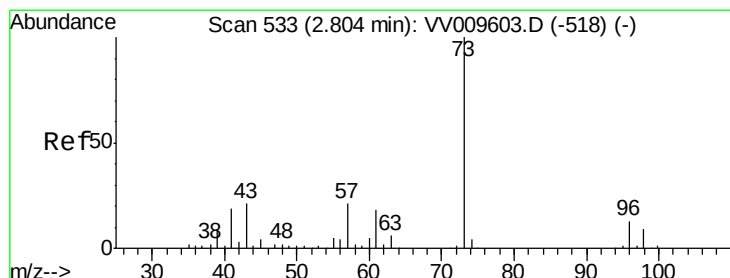
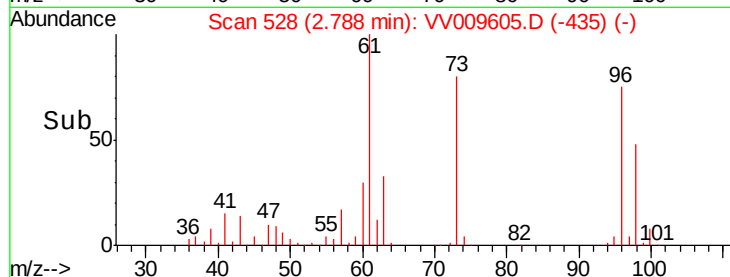
100000

50000

0

2.70 2.80 2.90

Time-->



#18

Methyl tert-butyl Ether

Concen: 209.586 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

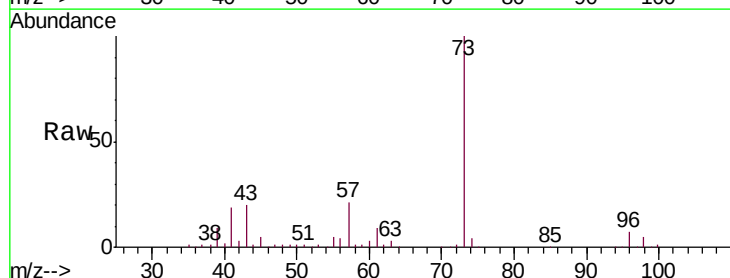
Tgt Ion: 73 Resp: 714287

Ion Ratio Lower Upper

73 100

43 19.9 16.3 24.5

57 20.5 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VV009603.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009603.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009603.D (-518) (-)

2.81

400000

300000

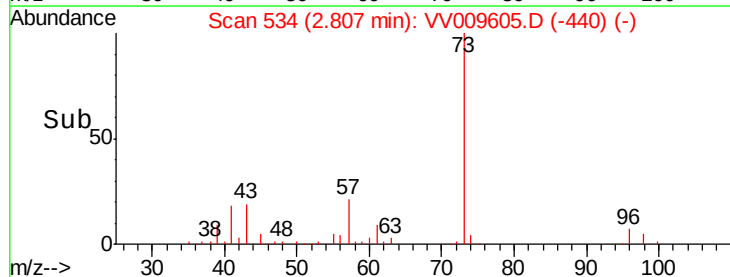
200000

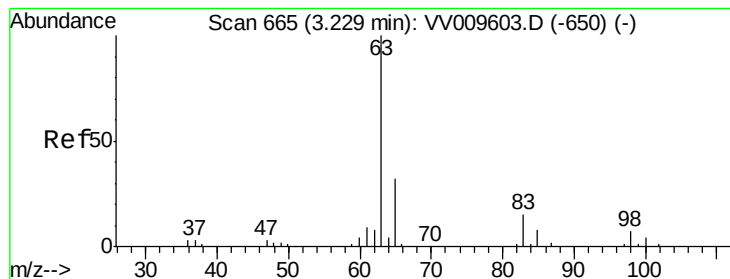
100000

0

2.70 2.80 2.90

Time-->





#19

1,1-Dichloroethane

Concen: 204.241 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampled :

VSTD20065

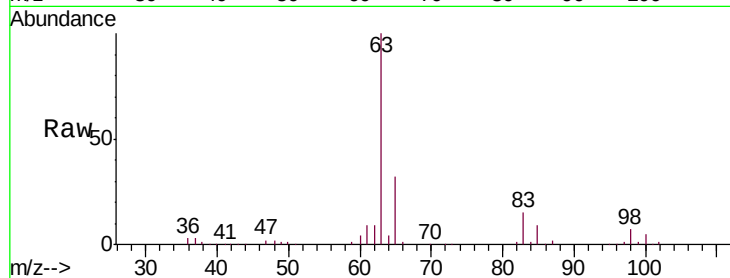
Tgt Ion: 63 Resp: 400506

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

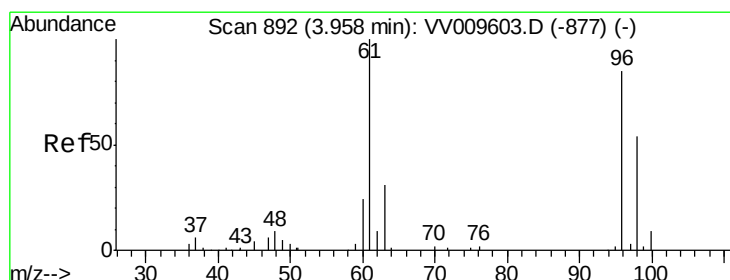
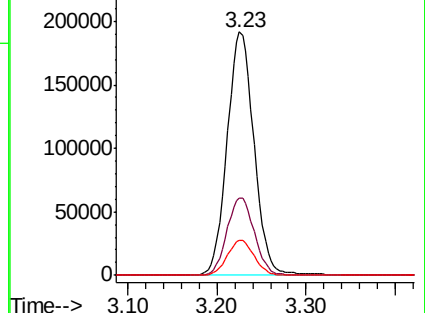
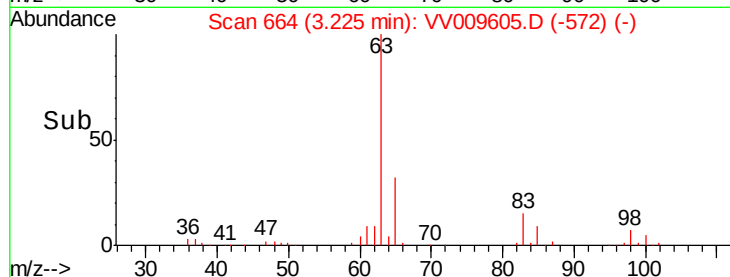
83 14.5 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV009605.D (-572) (-)

Ion 65.00 (64.70 to 65.70): VV009605.D (-572) (-)

Ion 83.00 (82.70 to 83.70): VV009605.D (-572) (-)



#20

cis-1,2-Dichloroethene

Concen: 209.227 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

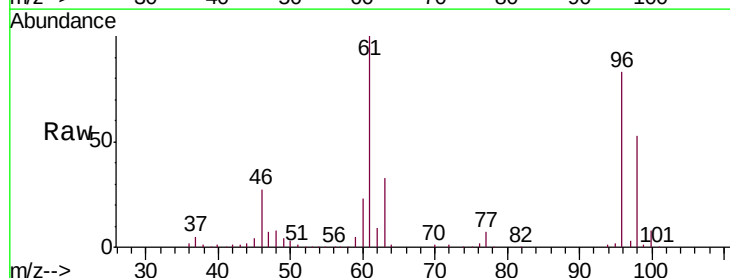
Tgt Ion: 96 Resp: 258085

Ion Ratio Lower Upper

96 100

61 120.5 82.4 153.0

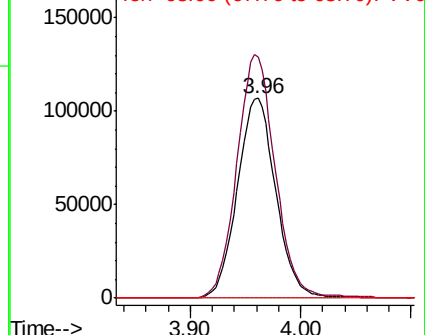
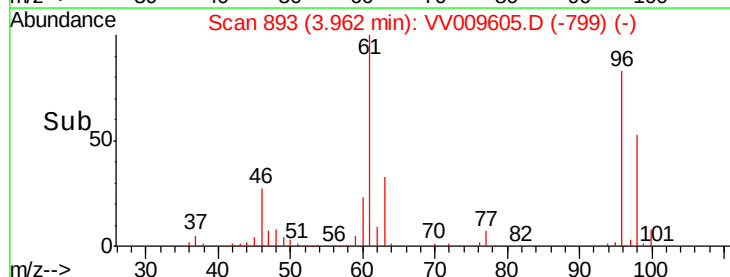
68 0.0 0.0 0.0

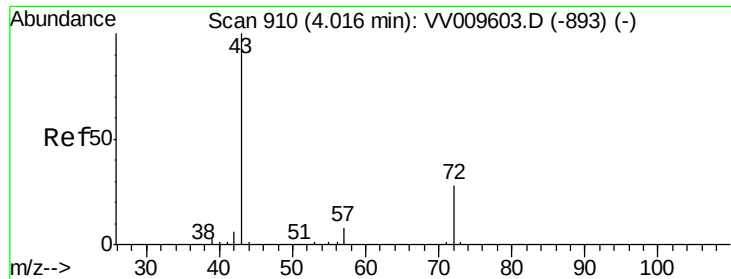


Abundance Ion 96.00 (95.70 to 96.70): VV009605.D (-799) (-)

Ion 61.00 (60.70 to 61.70): VV009605.D (-799) (-)

Ion 68.00 (67.70 to 68.70): VV009605.D (-799) (-)





#22

2-Butanone

Concen: 406.602 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

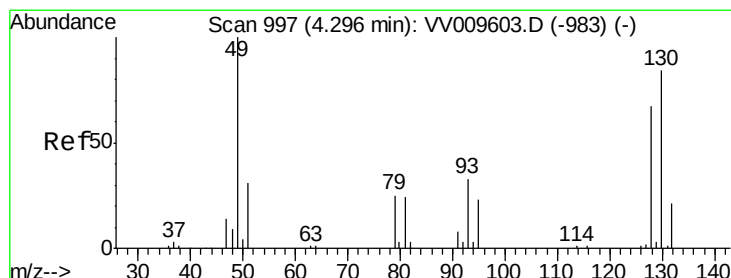
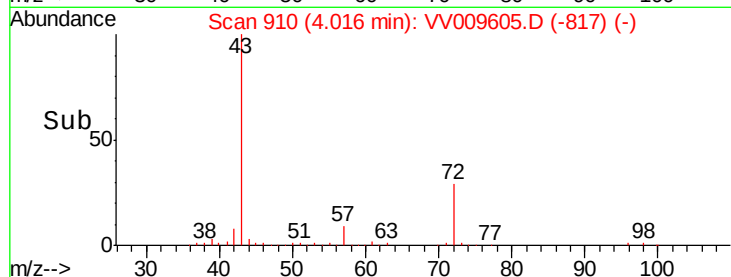
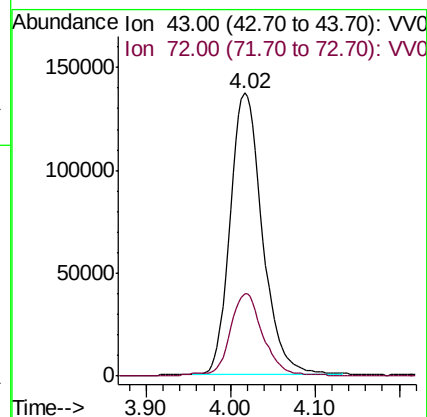
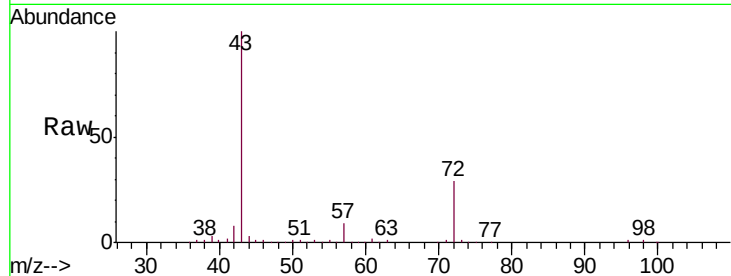
VSTD20065

Tgt Ion: 43 Resp: 365191

Ion Ratio Lower Upper

43 100

72 28.8 14.8 44.3



#23

Bromochloromethane

Concen: 213.197 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Tgt Ion: 128 Resp: 132708

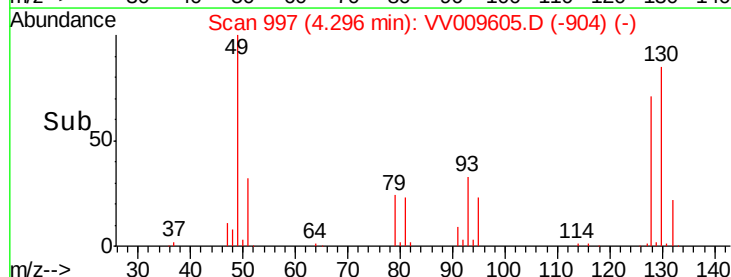
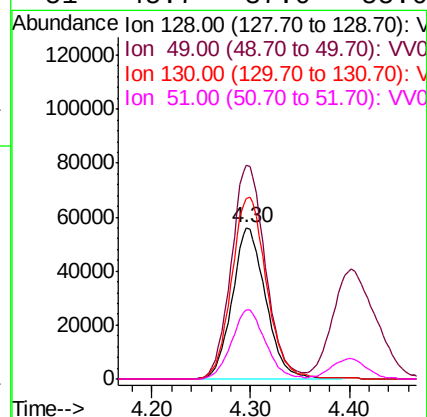
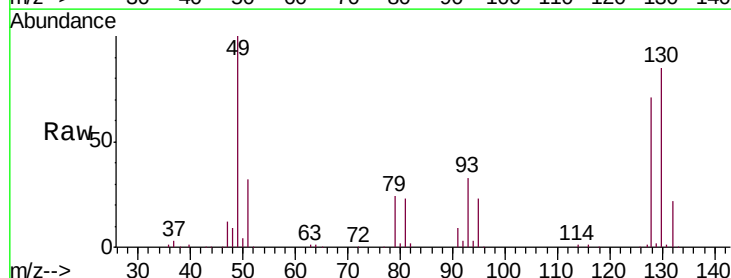
Ion Ratio Lower Upper

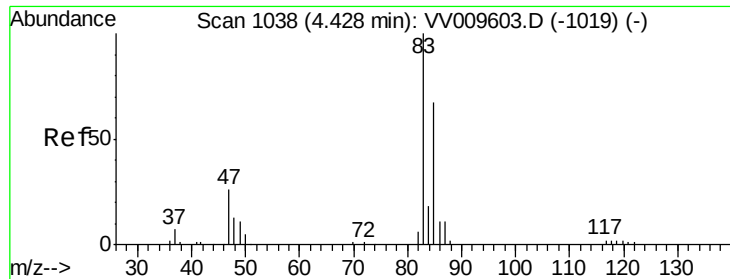
128 100

49 141.2 106.0 196.9

130 119.6 89.2 165.8

51 45.7 37.0 55.6

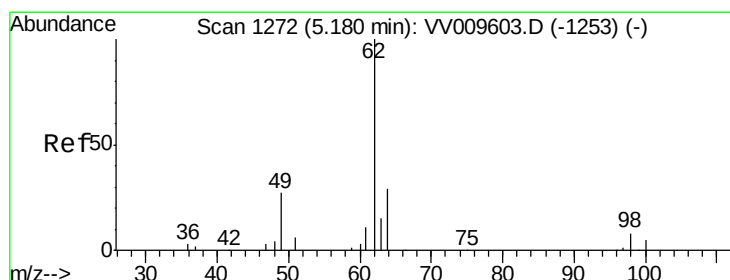
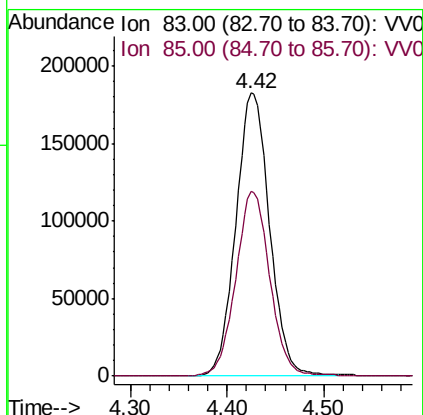
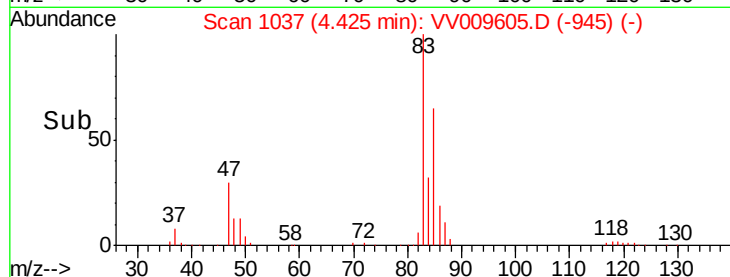
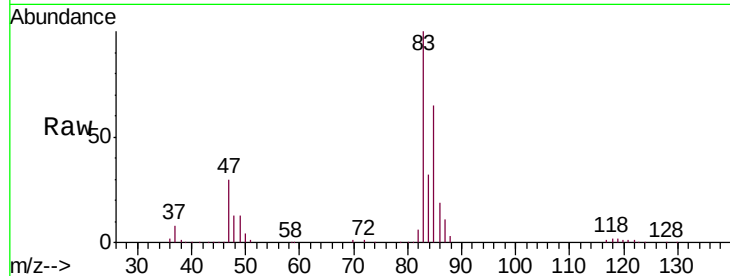




#25
Chloroform
Concen: 201.160 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

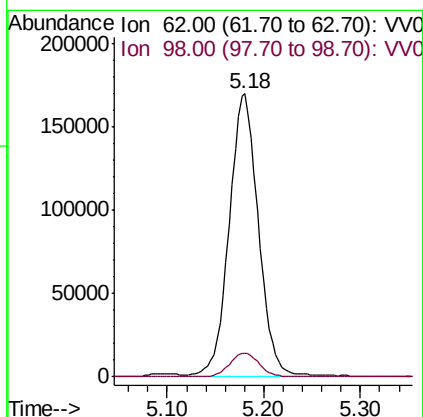
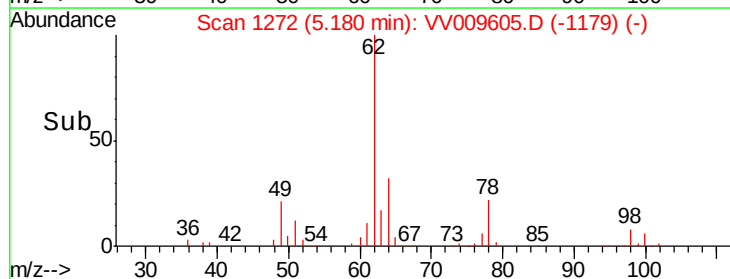
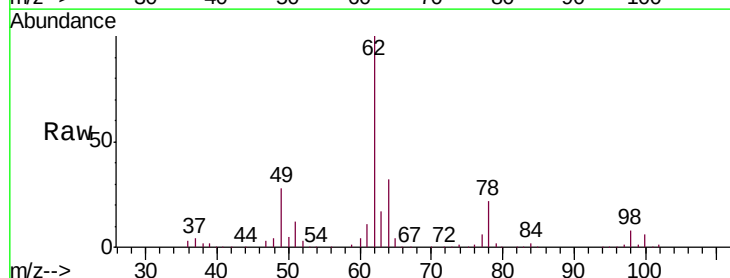
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

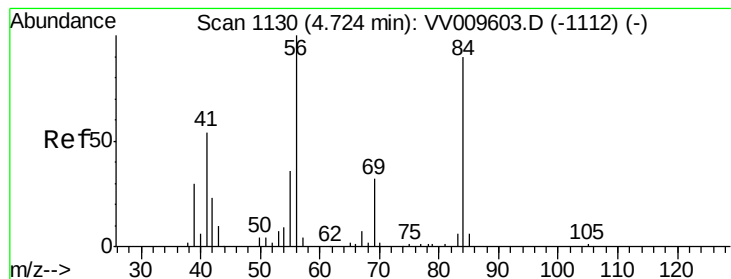
Tgt Ion: 83 Resp: 442184
Ion Ratio Lower Upper
83 100
85 65.1 47.0 87.4



#27
1,2-Dichloroethane
Concen: 204.392 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Tgt Ion: 62 Resp: 352024
Ion Ratio Lower Upper
62 100
98 8.4 6.2 9.4





#29

Cyclohexane

Concen: 207.485 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

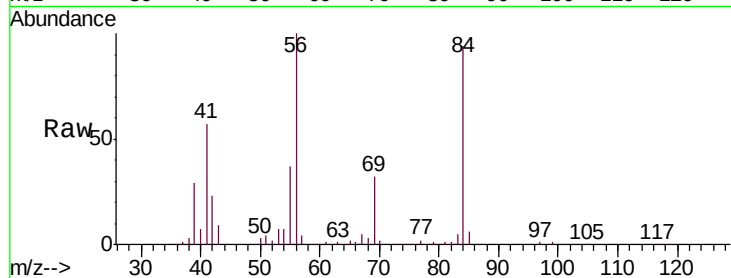
Tgt Ion: 56 Resp: 369794

Ion Ratio Lower Upper

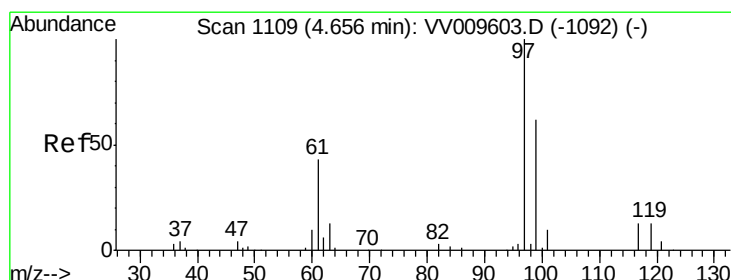
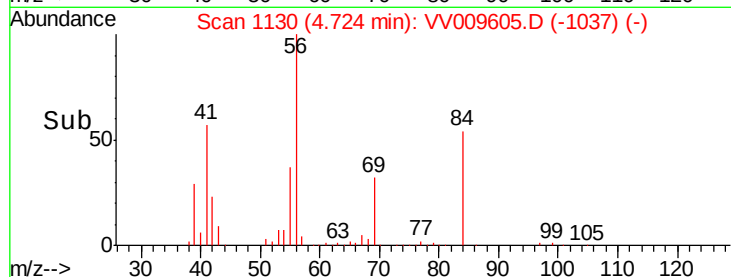
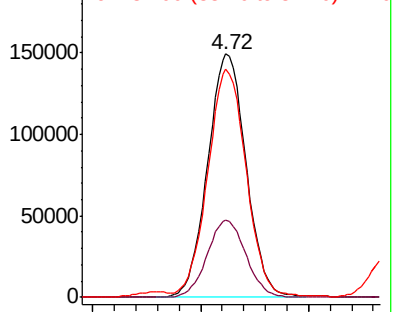
56 100

69 32.0 25.1 37.7

84 94.0 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 212.399 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

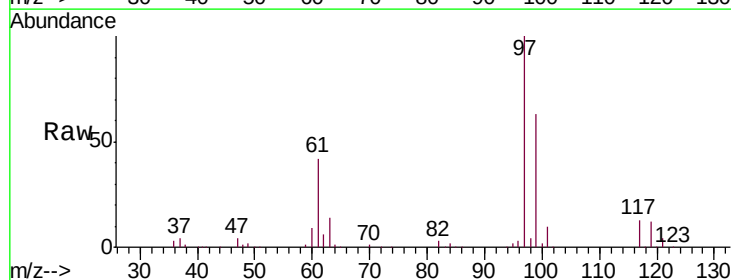
Tgt Ion: 97 Resp: 411092

Ion Ratio Lower Upper

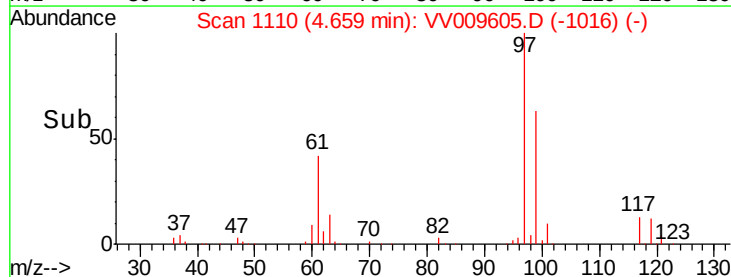
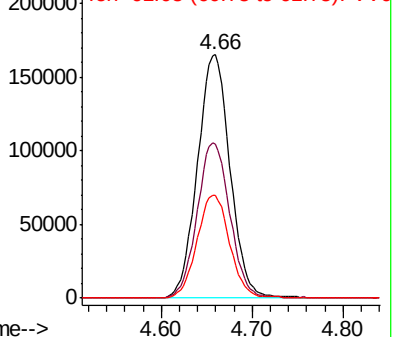
97 100

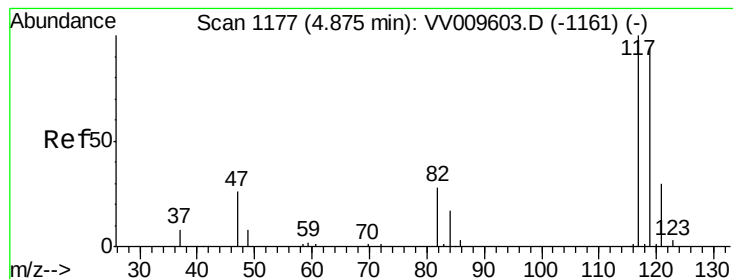
99 64.1 51.0 76.6

61 42.3 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 228.890 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

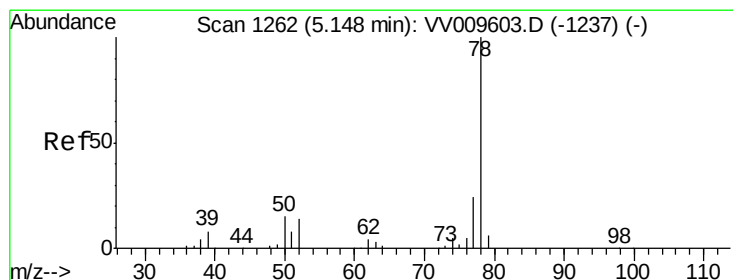
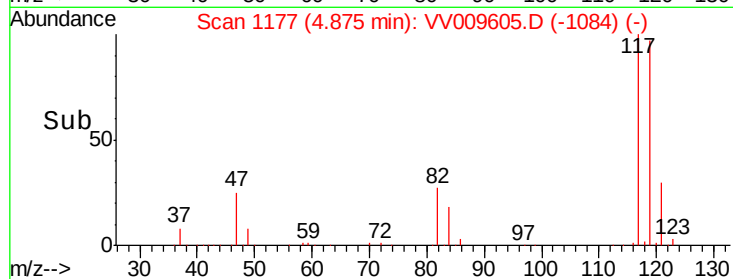
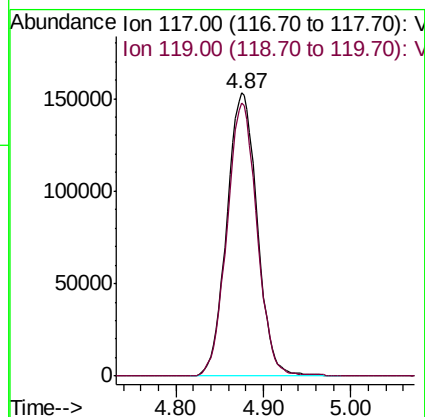
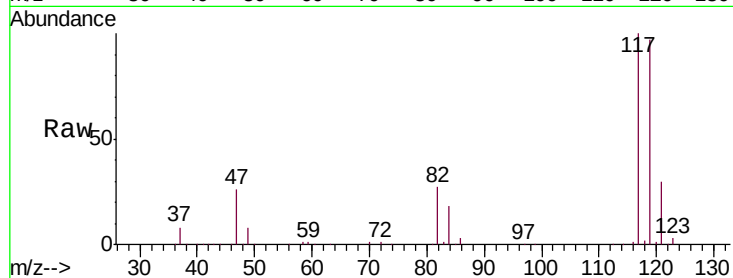
VSTD20065

Tgt Ion:117 Resp: 369698

Ion Ratio Lower Upper

117 100

119 95.0 75.1 112.7



#33

Benzene

Concen: 207.259 ug/L

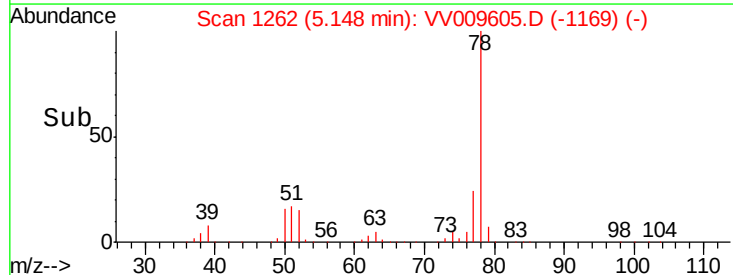
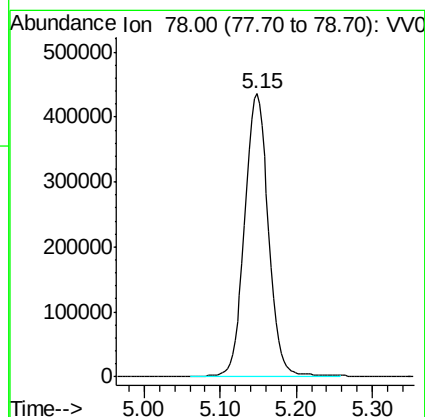
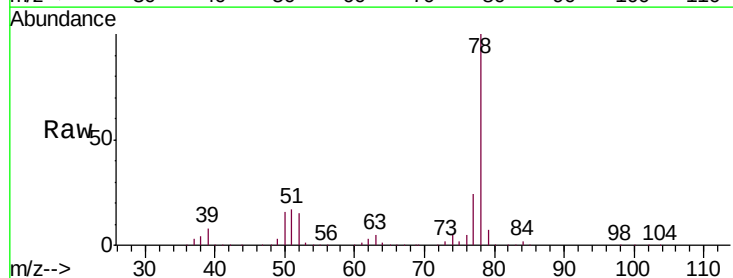
RT: 5.15 min Scan# 1262

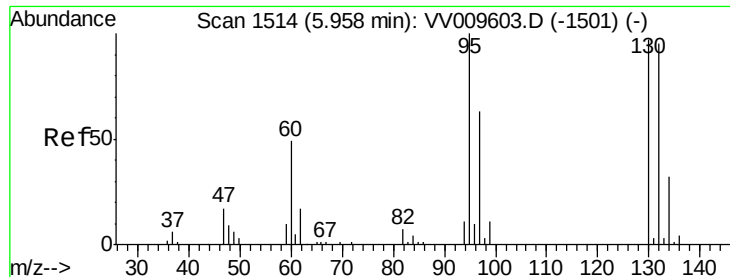
Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Tgt Ion: 78 Resp: 952392





#34

Trichloroethene

Concen: 210.411 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

Tgt Ion: 95 Resp: 258060

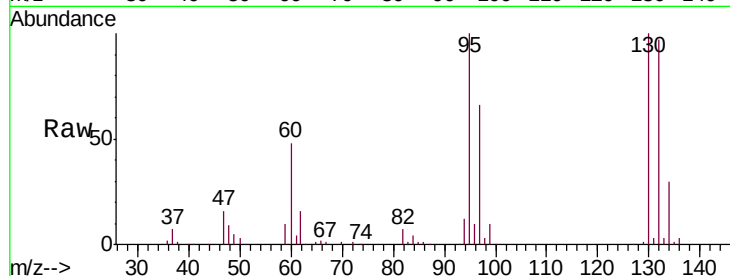
Ion Ratio Lower Upper

95 100

97 65.6 44.2 82.2

132 96.8 66.5 123.5

130 99.7 67.8 125.8

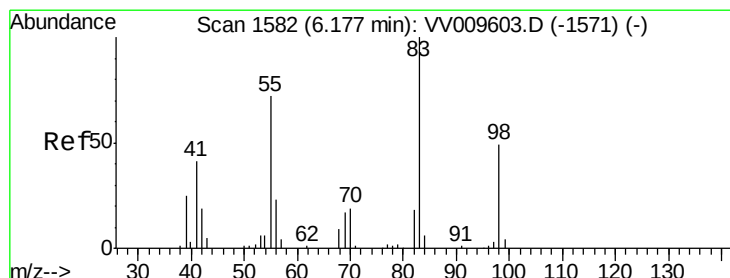
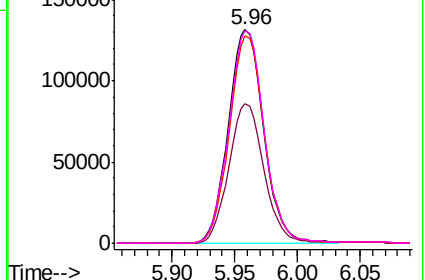
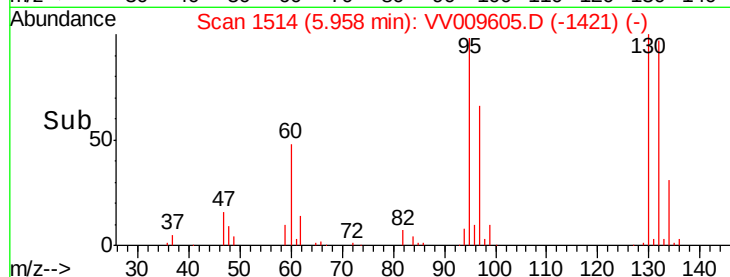


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 212.849 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

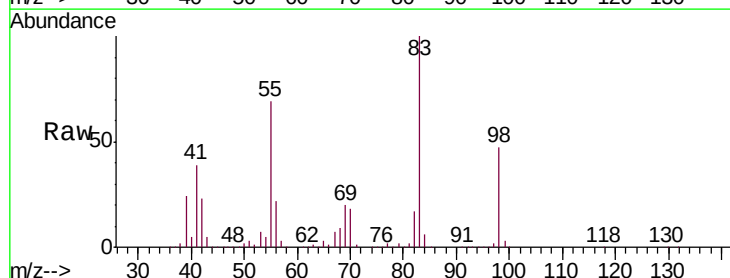
Tgt Ion: 83 Resp: 422297

Ion Ratio Lower Upper

83 100

55 69.7 57.9 86.9

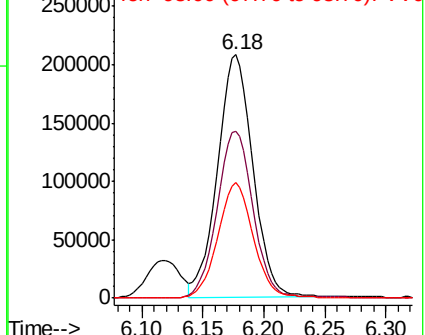
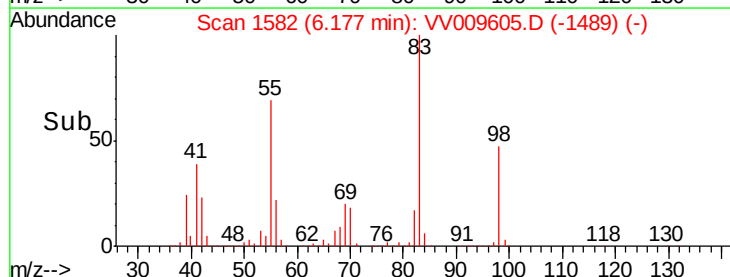
98 48.2 39.2 58.8

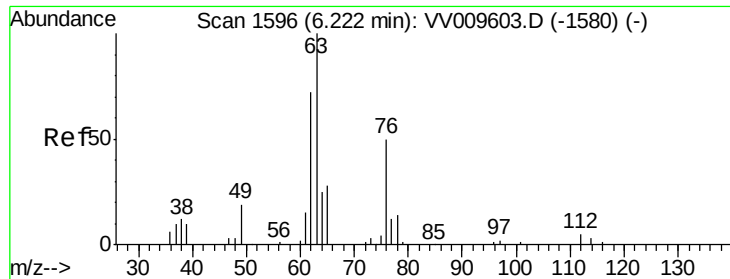


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

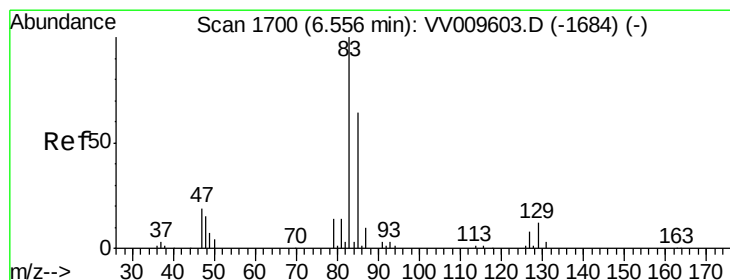
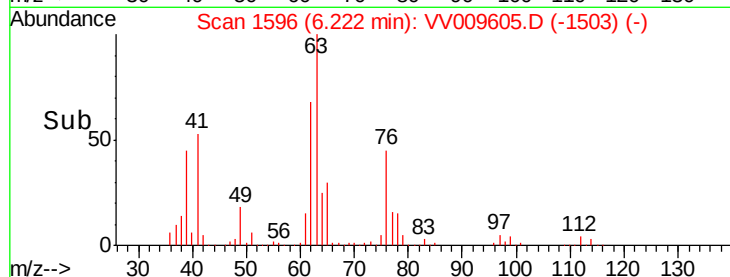
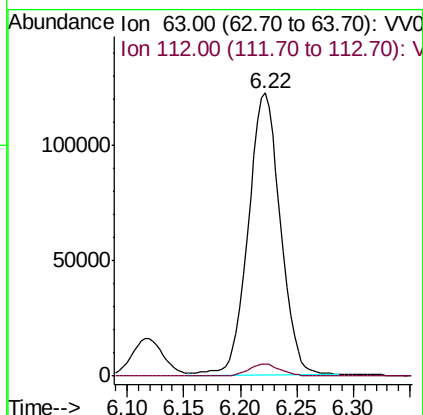
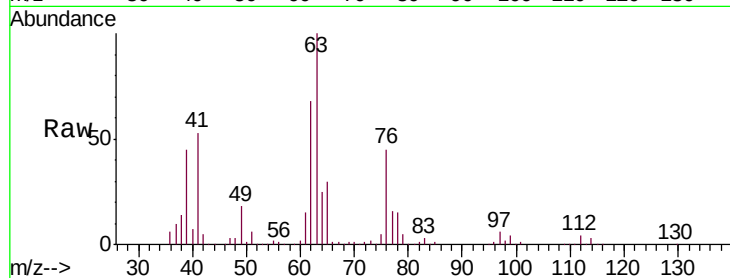




#37
 1,2-Dichloropropane
 Concen: 205.979 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

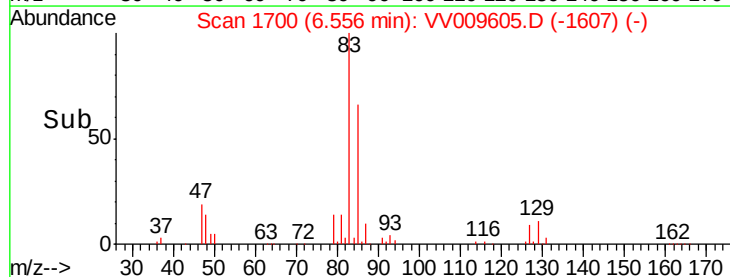
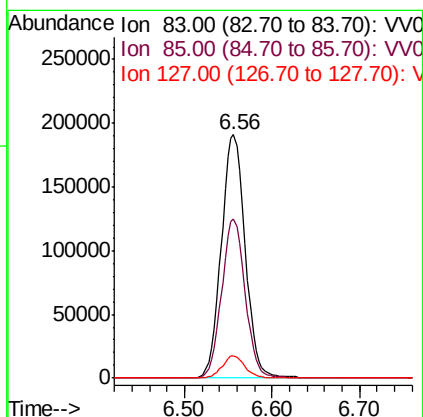
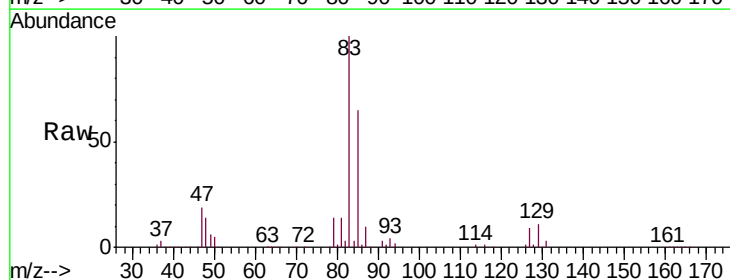
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

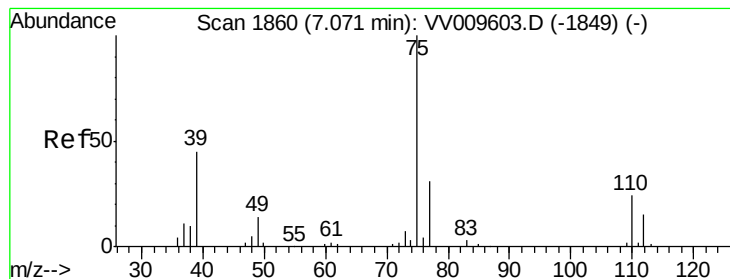
Tgt Ion: 63 Resp: 241250
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.0



#38
 Bromodichloromethane
 Concen: 219.008 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion: 83 Resp: 361721
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.0 83.6
 127 9.1 6.6 10.0



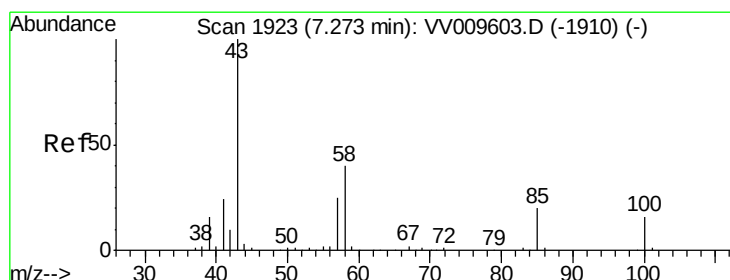
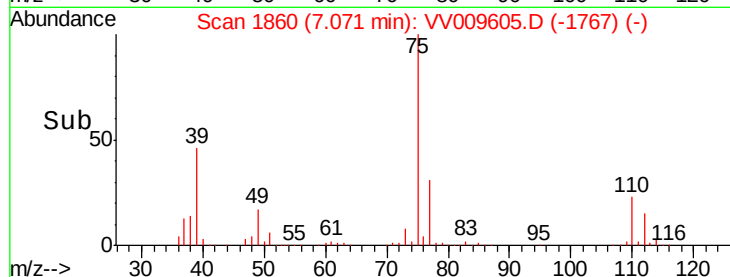
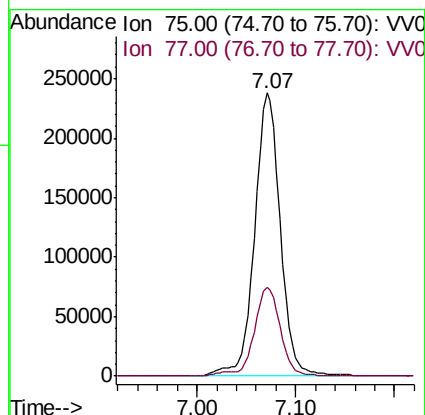
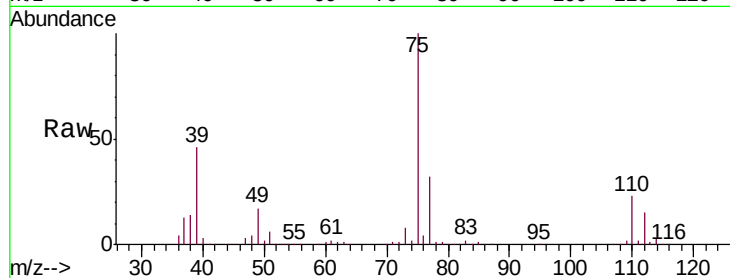


#39

cis-1,3-Dichloropropene
 Concen: 228.199 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20065

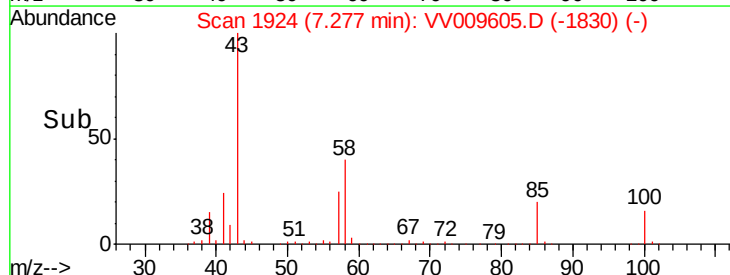
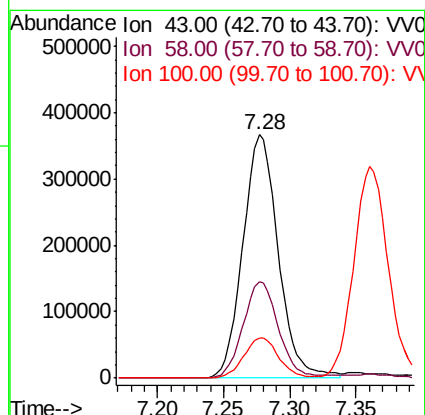
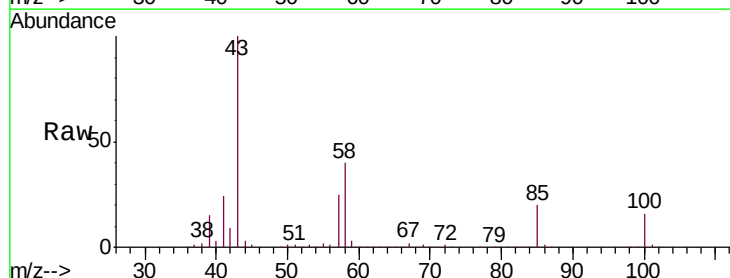
Tgt Ion: 75 Resp: 426004
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5

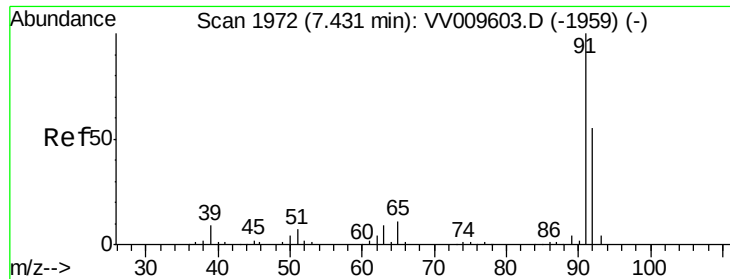


#40

4-Methyl-2-pentanone
 Concen: 432.786 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion: 43 Resp: 681303
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.1 48.1
 100 16.3 12.9 19.3





#42

Toluene

Concen: 214.659 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

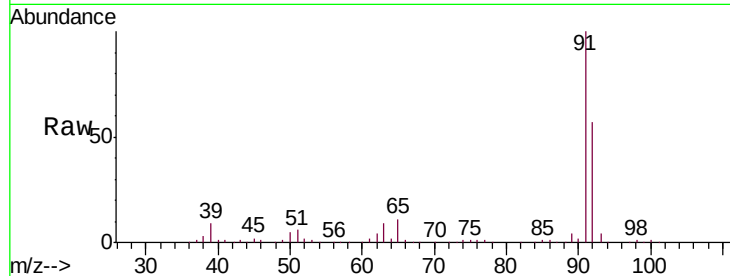
VSTD20065

Tgt Ion: 91 Resp: 1124264

Ion Ratio Lower Upper

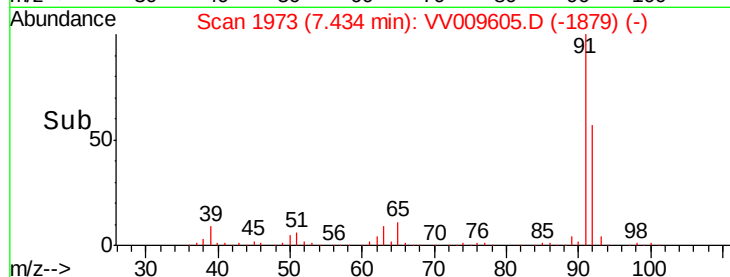
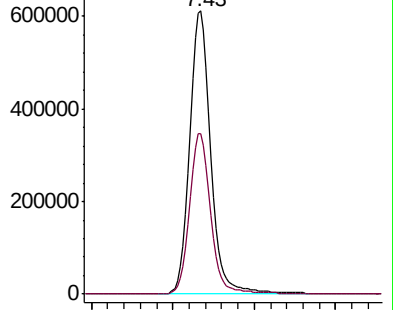
91 100

92 56.9 38.6 71.6

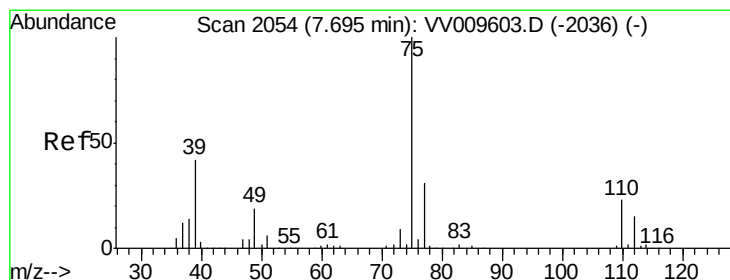


Abundance Ion 91.00 (90.70 to 91.70): VV009603.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009603.D (-1959) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 234.364 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009605.D

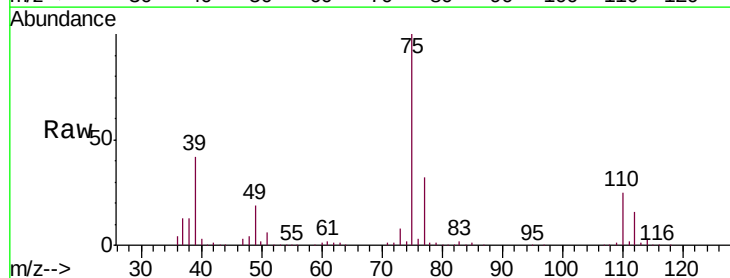
Acq: 12 Mar 2019 12:17

Tgt Ion: 75 Resp: 410813

Ion Ratio Lower Upper

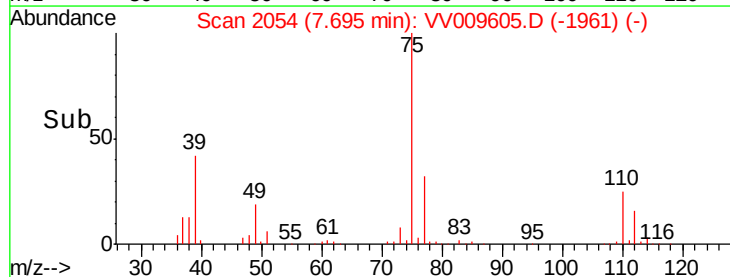
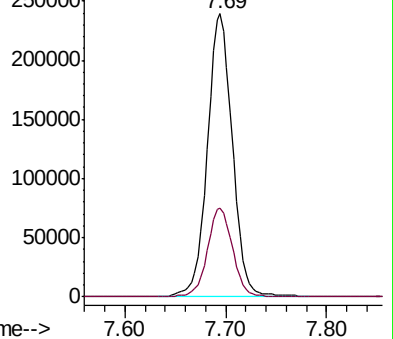
75 100

77 31.6 21.6 40.2

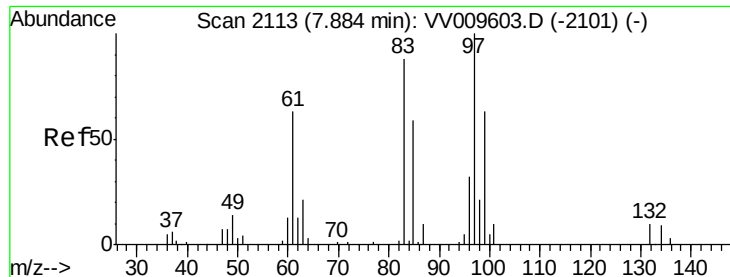


Abundance Ion 75.00 (74.70 to 75.70): VV009603.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009603.D (-2036) (-)



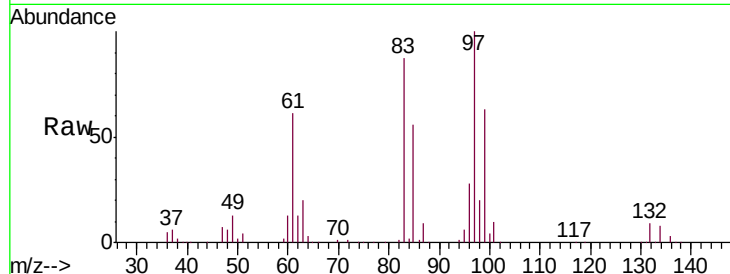
Time-->



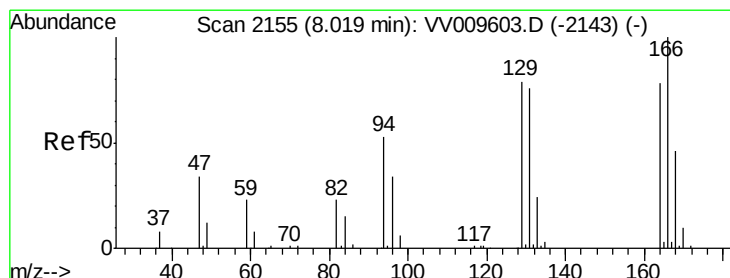
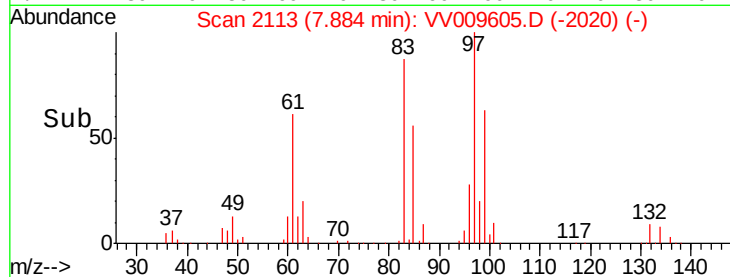
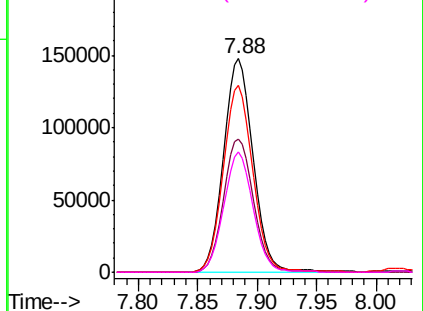
#45
 1,1,2-Trichloroethane
 Concen: 210.860 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Tgt Ion:	97	Resp:	254727
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.0	81.8
83	87.5	61.5	114.3
85	56.2	41.0	76.2

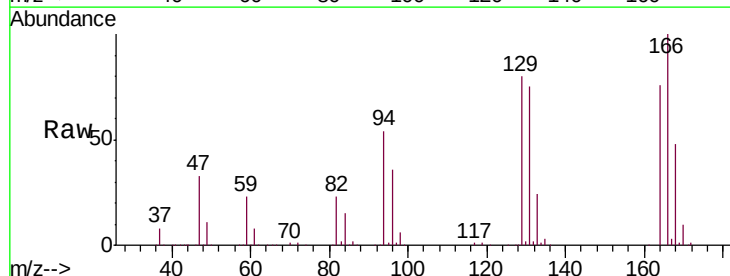


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

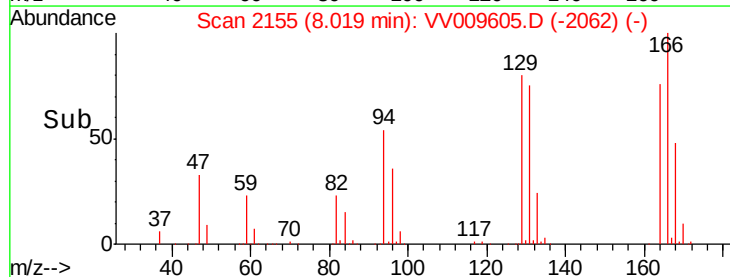
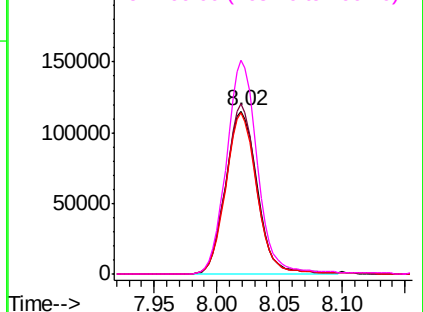


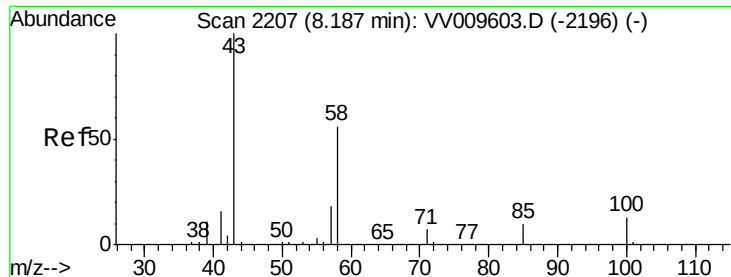
#46
 Tetrachloroethene
 Concen: 210.810 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion:	164	Resp:	203268
Ion	Ratio	Lower	Upper
164	100		
129	104.4	70.8	131.6
131	98.5	68.3	126.9
166	130.9	89.5	166.3



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

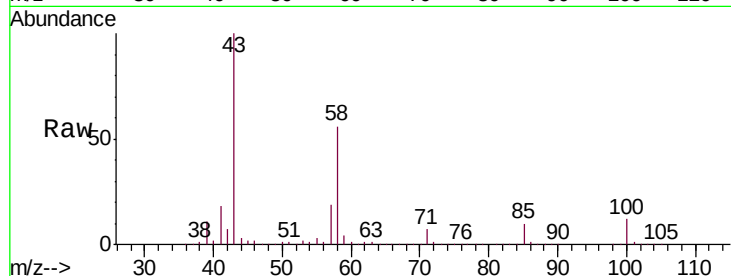




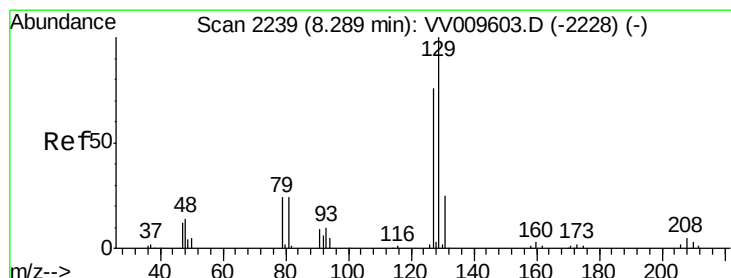
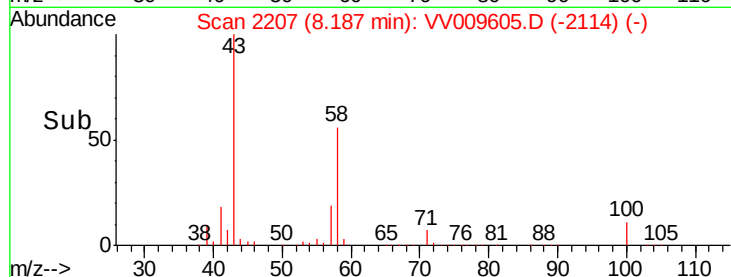
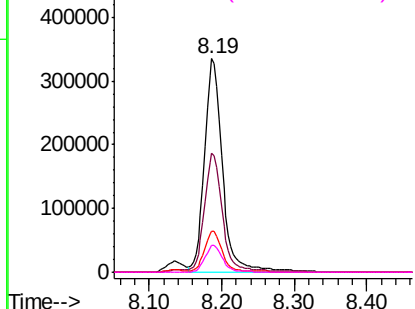
#48
2-Hexanone
Concen: 466.495 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Tgt Ion: 43 Resp: 585177
Ion Ratio Lower Upper
43 100
58 53.6 45.8 68.8
57 18.7 14.5 21.7
100 12.2 9.8 14.8

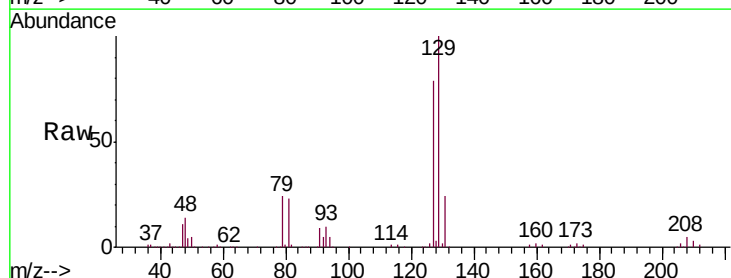


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

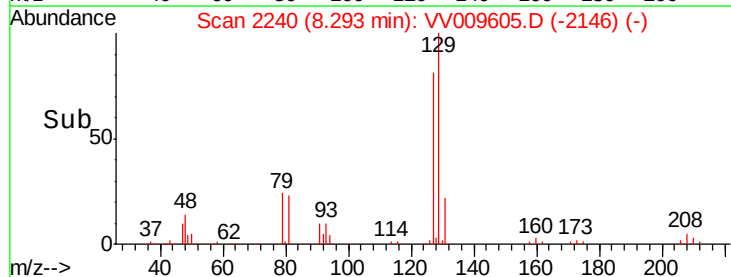
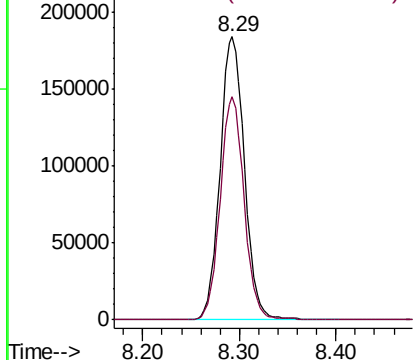


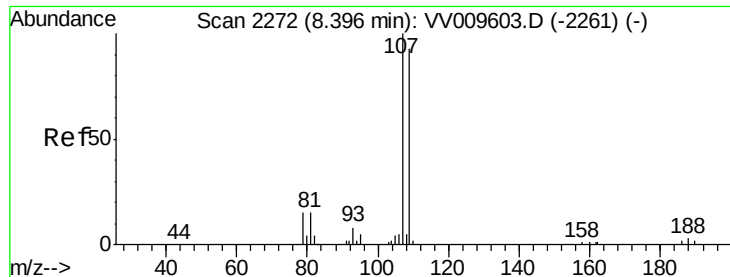
#49
Dibromochloromethane
Concen: 238.791 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Tgt Ion: 129 Resp: 321055
Ion Ratio Lower Upper
129 100
127 78.8 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

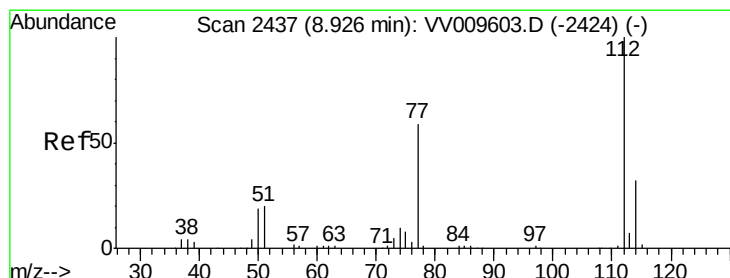
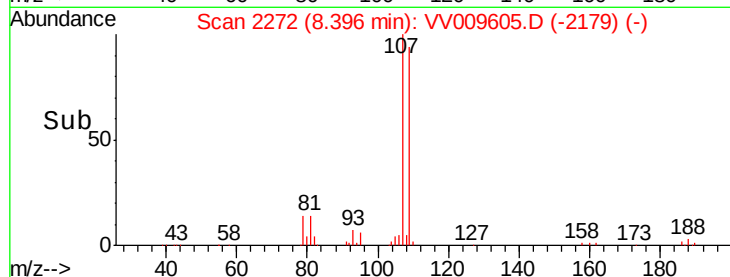
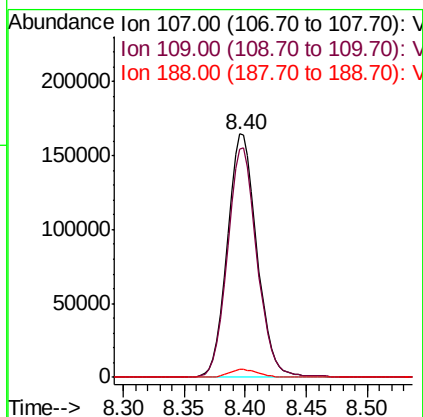
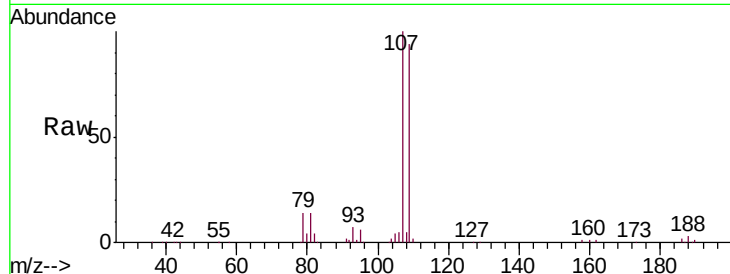




#50
1,2-Dibromoethane
Concen: 218.625 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

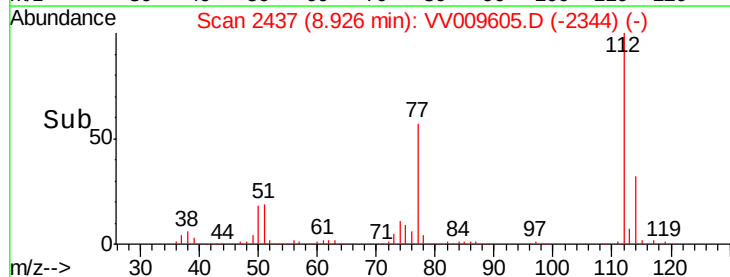
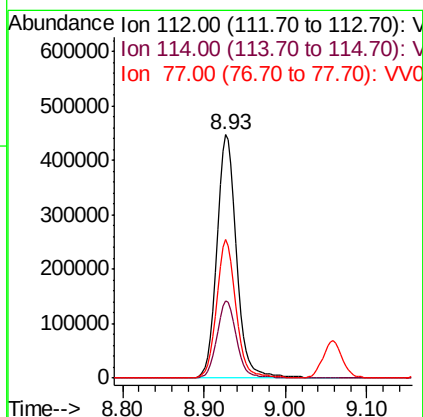
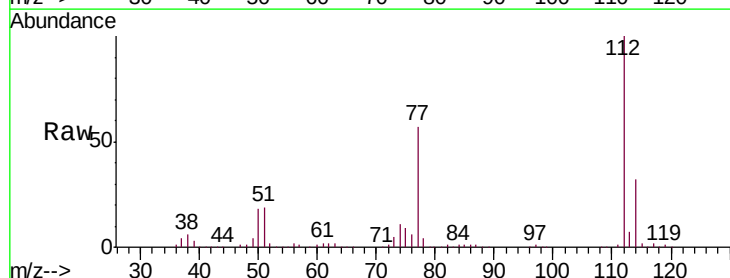
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

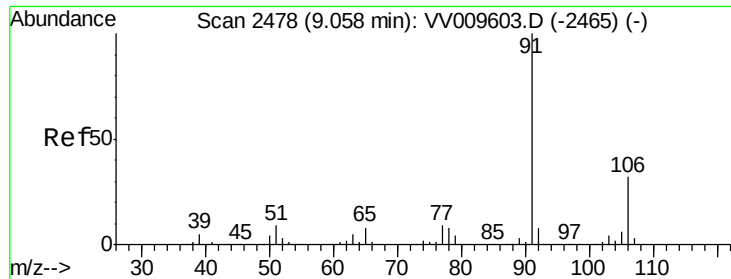
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.2	121.2
188	3.2	2.6	4.0



#51
Chlorobenzene
Concen: 217.800 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	56.8	47.4	71.2





#52

Ethylbenzene

Concen: 221.083 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

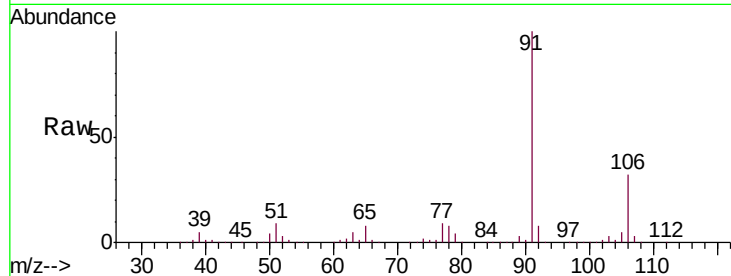
VSTD20065

Tgt Ion: 91 Resp: 1311751

Ion Ratio Lower Upper

91 100

106 31.6 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV009605.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV009605.D (-2385) (-)

800000

600000

400000

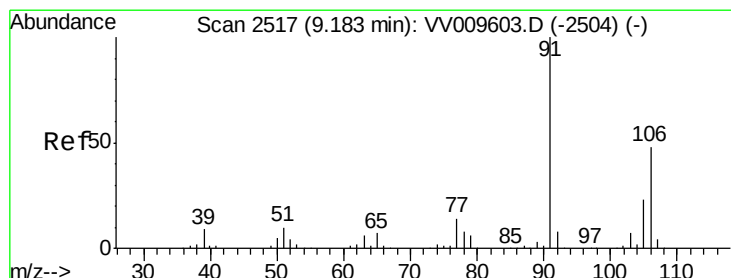
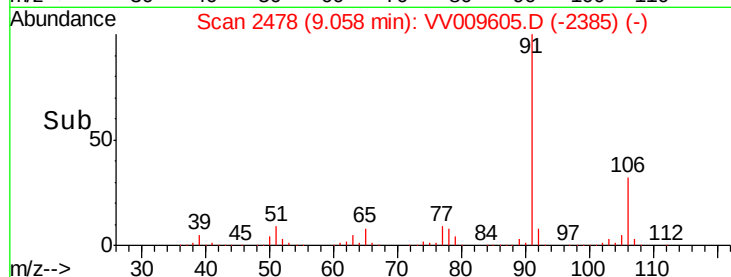
200000

0

9.06

9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 228.035 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009605.D

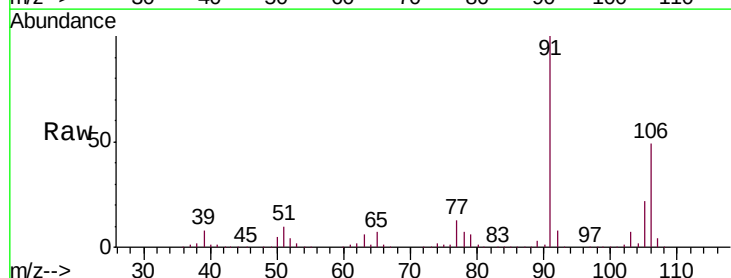
Acq: 12 Mar 2019 12:17

Tgt Ion: 106 Resp: 518337

Ion Ratio Lower Upper

106 100

91 202.4 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VV009605.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV009605.D (-2424) (-)

600000

400000

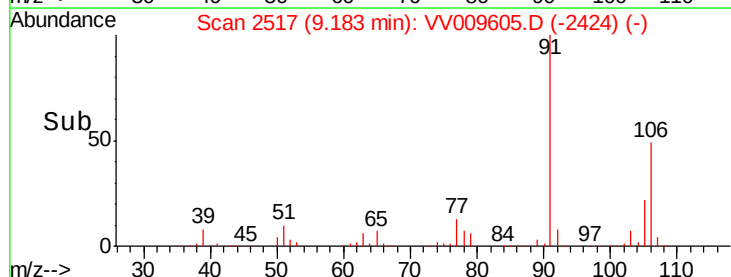
200000

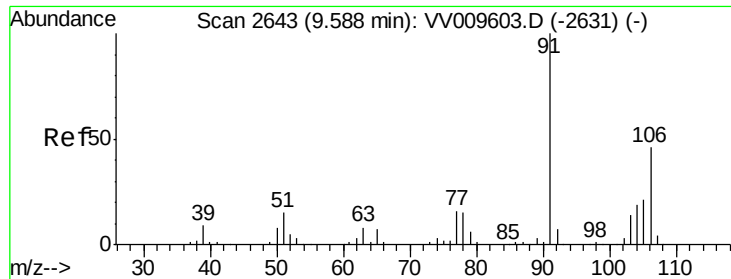
0

9.18

9.10 9.20 9.30

Time-->

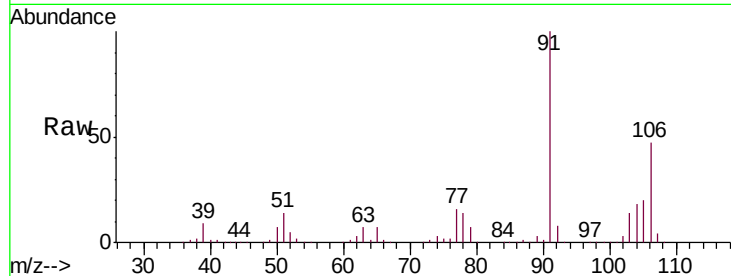




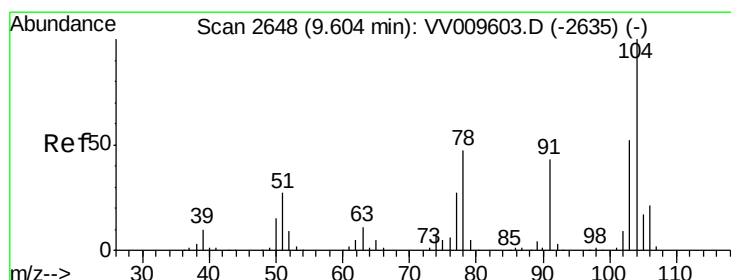
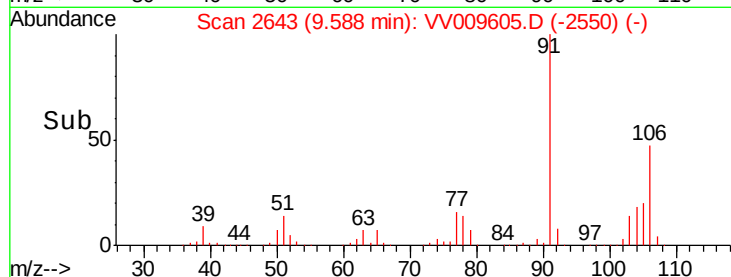
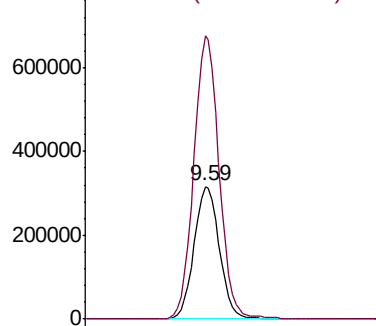
#54
o-Xylene
Concen: 226.042 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Tgt Ion:106 Resp: 518631
Ion Ratio Lower Upper
106 100
91 213.8 151.8 282.0

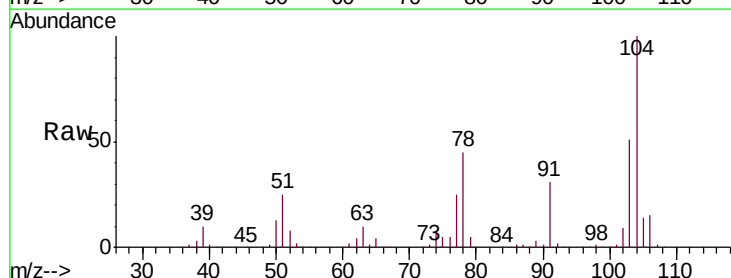


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

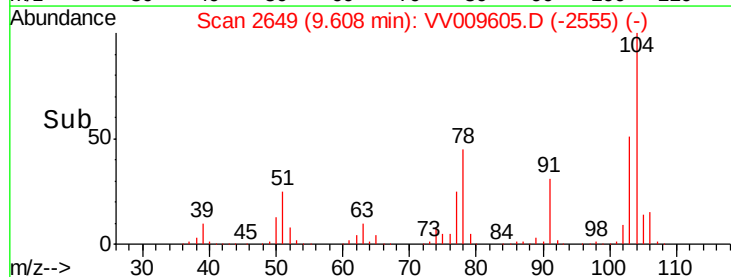
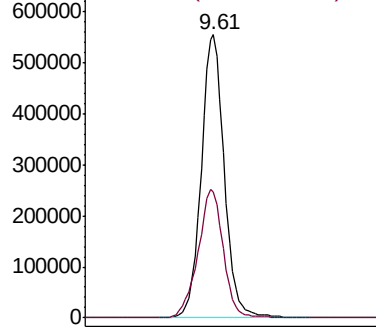


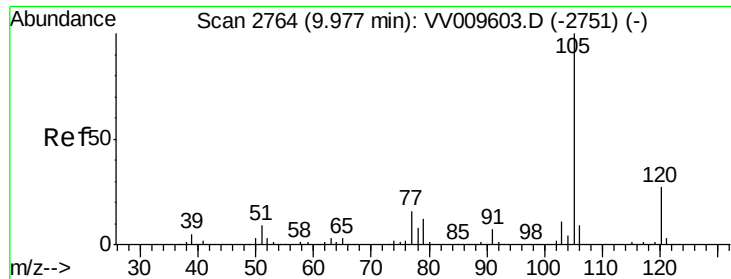
#55
Styrene
Concen: 242.523 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009605.D
Acq: 12 Mar 2019 12:17

Tgt Ion:104 Resp: 901556
Ion Ratio Lower Upper
104 100
78 44.7 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 229.230 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

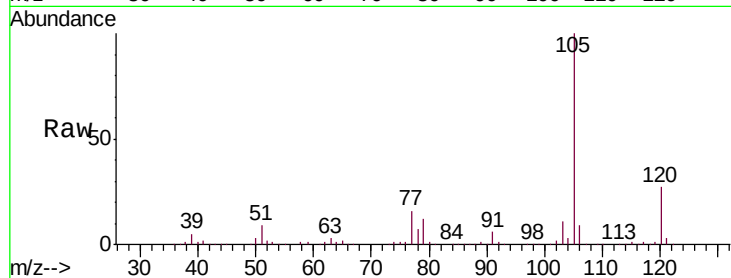
Tgt Ion:105 Resp: 1369417

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

77 15.8 13.0 19.6

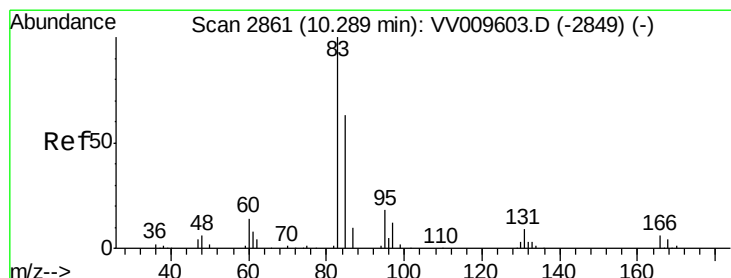
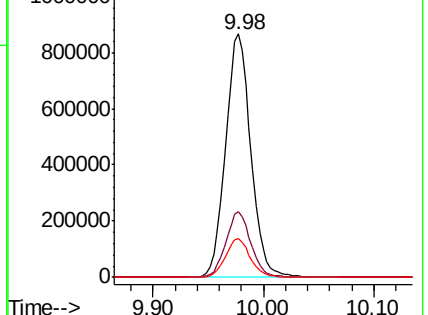
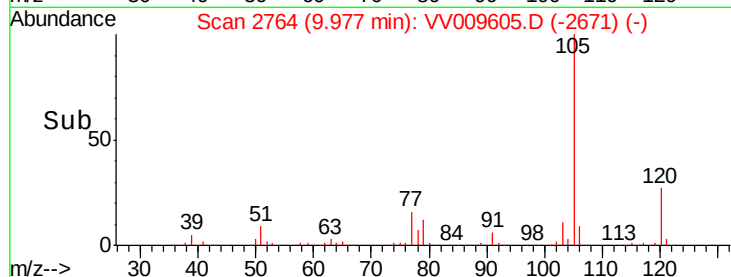


Abundance

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: 219.674 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

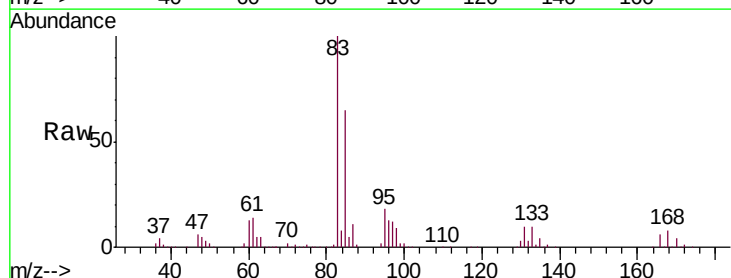
Tgt Ion: 83 Resp: 469158

Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.5

131 10.3 8.2 12.4

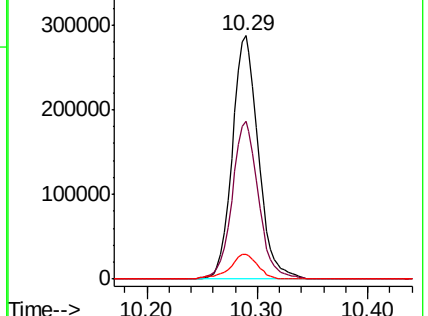
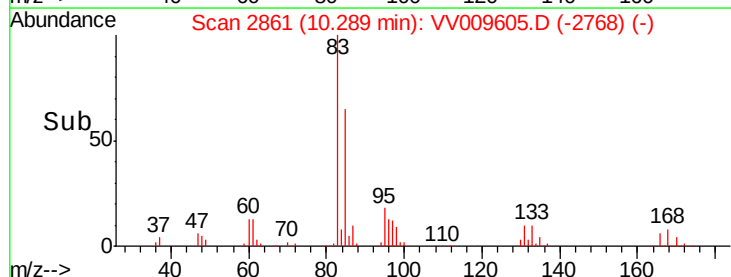


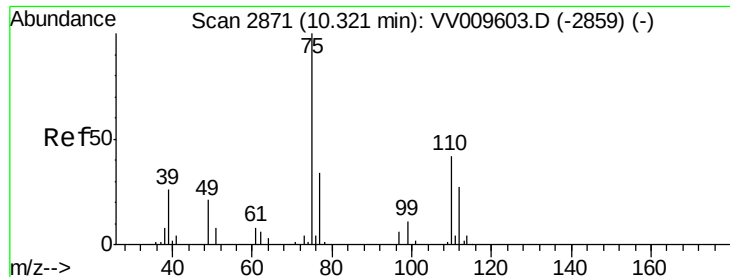
Abundance

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

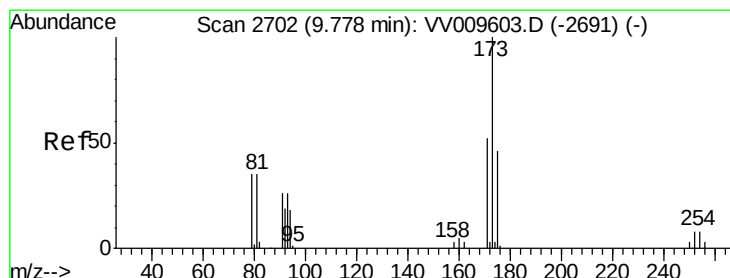
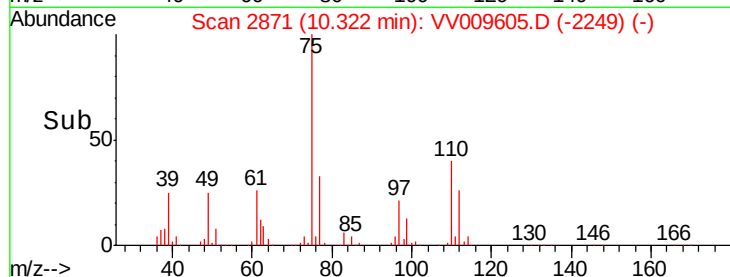
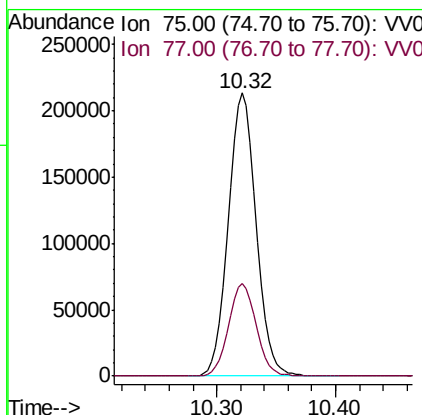
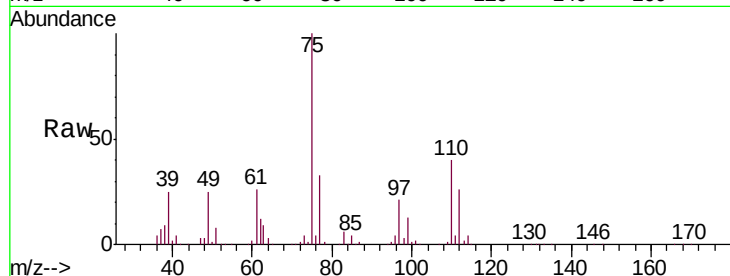




#59
 1,2,3-Trichloropropane
 Concen: 217.420 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

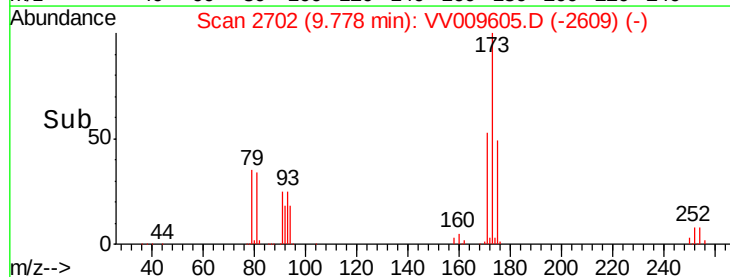
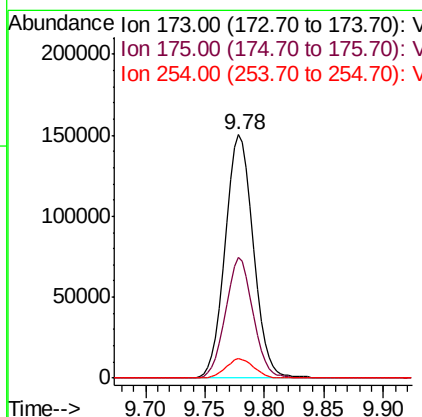
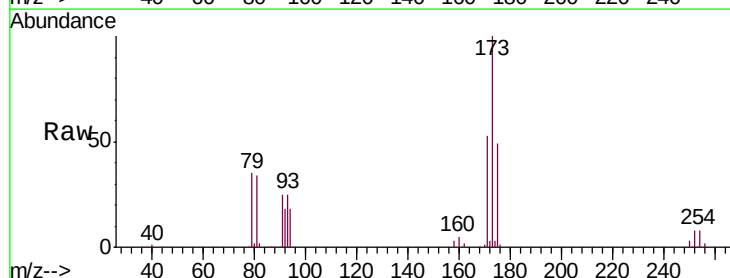
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

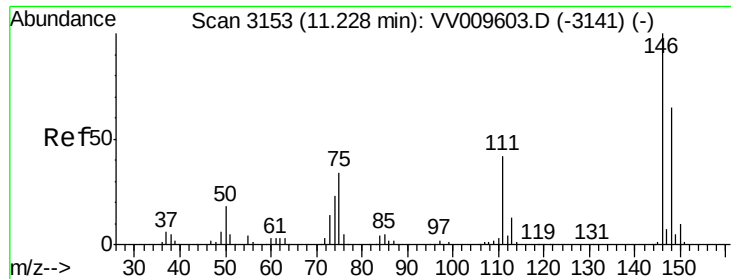
Tgt Ion: 75 Resp: 345277
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.6 40.0



#61
 Bromoform
 Concen: 223.460 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion: 173 Resp: 247803
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.0 55.6
 254 7.9 6.4 9.6

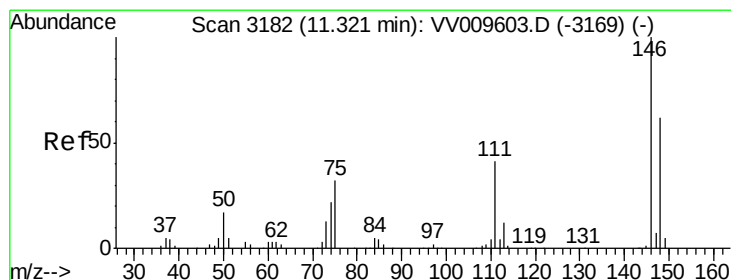
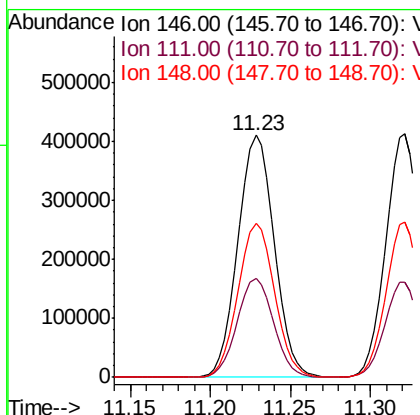
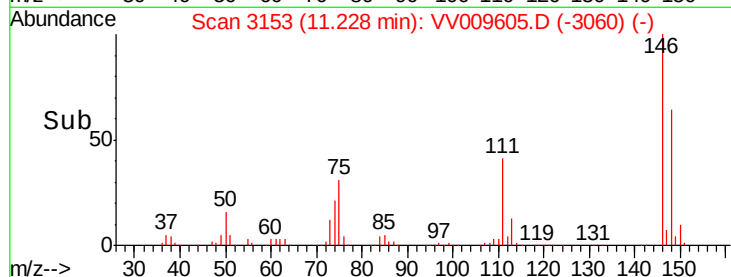
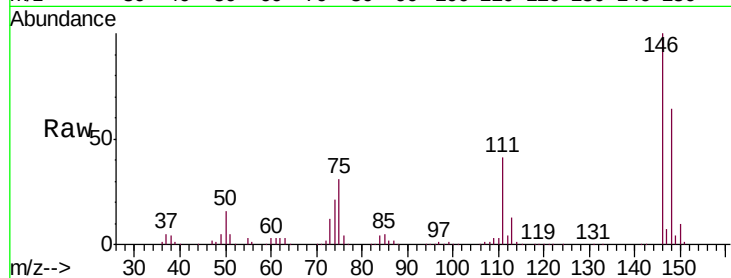




#62
 1,3-Dichlorobenzene
 Concen: 212.393 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

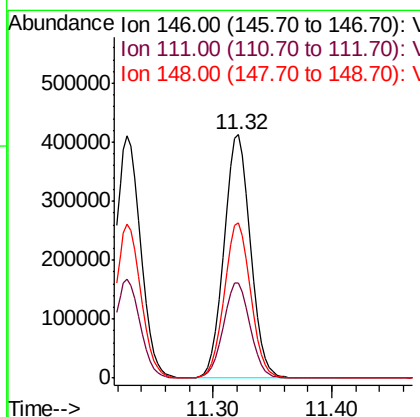
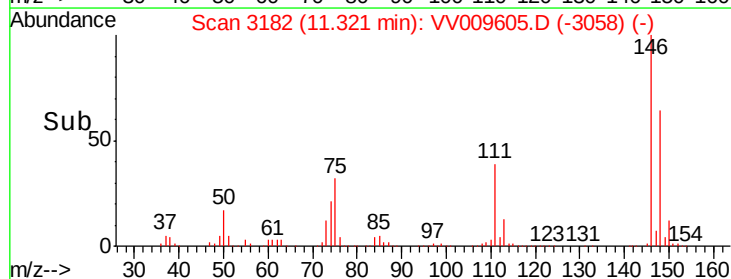
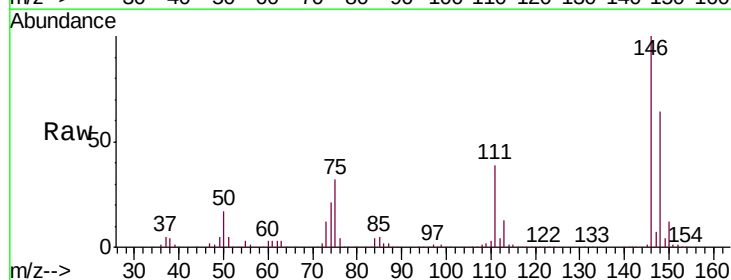
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

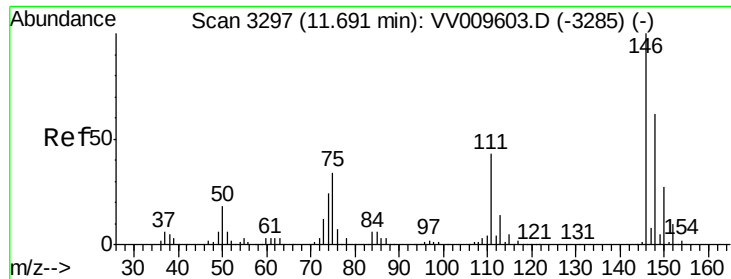
Tgt Ion:146 Resp: 635080
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.4 54.6
 148 63.6 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 215.118 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion:146 Resp: 634013
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.6 53.2
 148 63.6 43.2 80.2

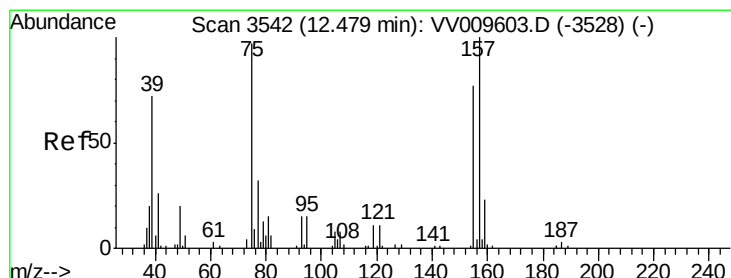
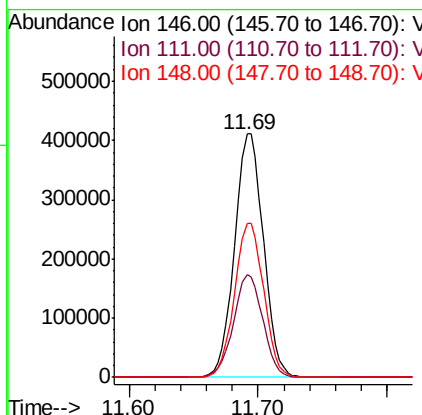
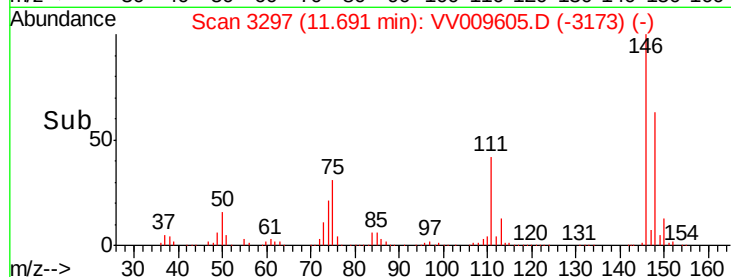
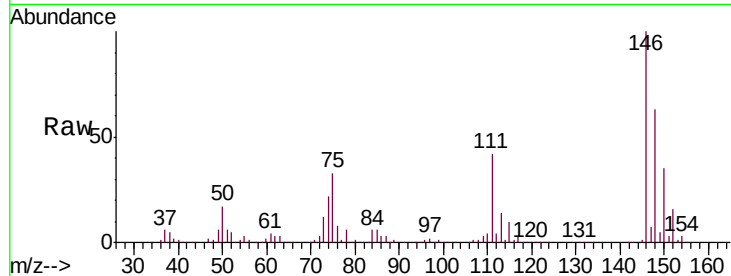




#65
 1,2-Dichlorobenzene
 Concen: 208.500 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

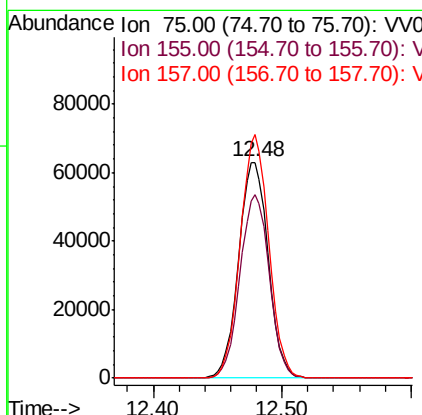
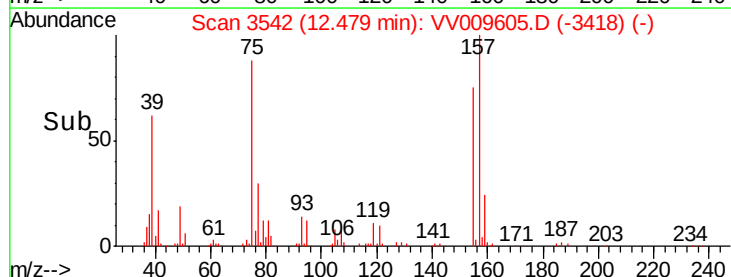
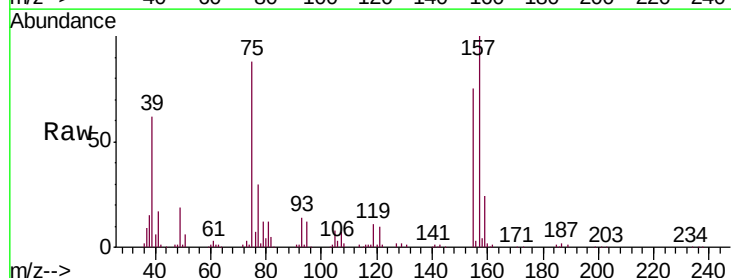
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20065

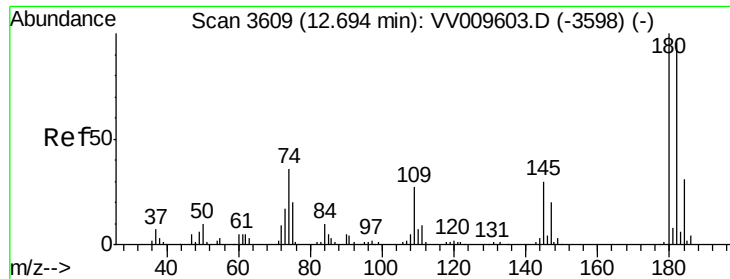
Tgt Ion: 146 Resp: 638743
 Ion Ratio Lower Upper
 146 100
 111 42.2 34.7 52.1
 148 63.0 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 216.468 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion: 75 Resp: 100234
 Ion Ratio Lower Upper
 75 100
 155 85.3 63.6 95.4
 157 113.0 82.1 123.1

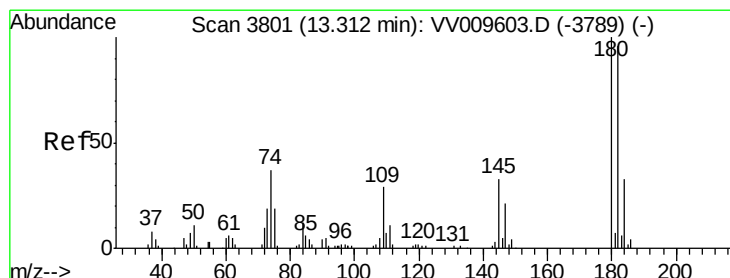
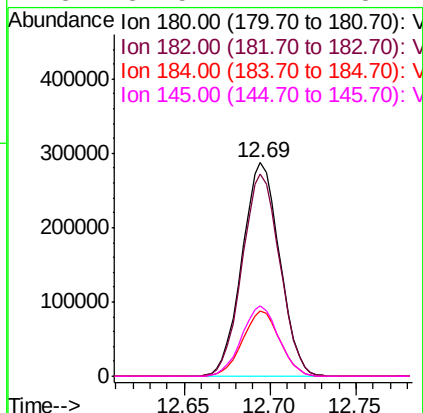
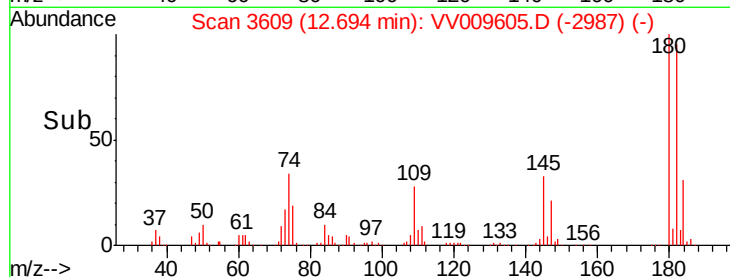
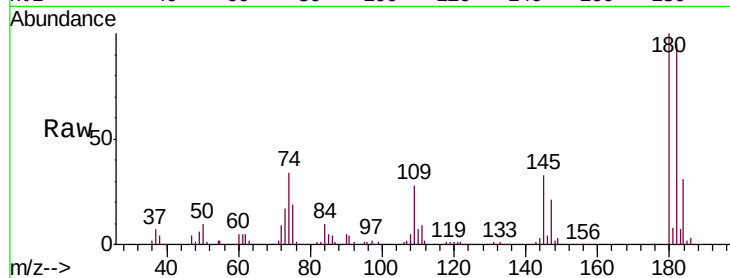




#67
 1,3,5-Trichlorobenzene
 Concen: 225.150 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

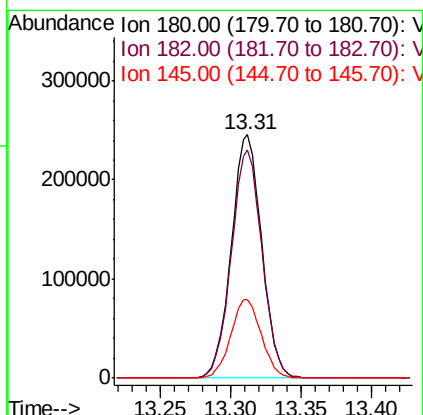
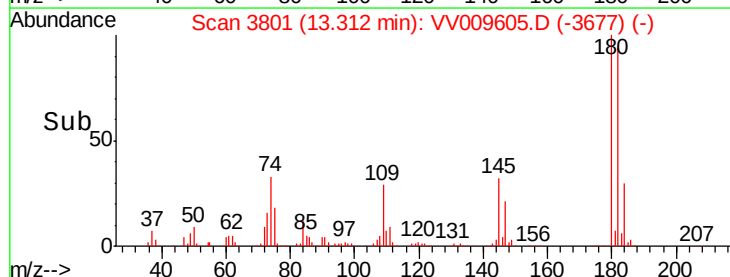
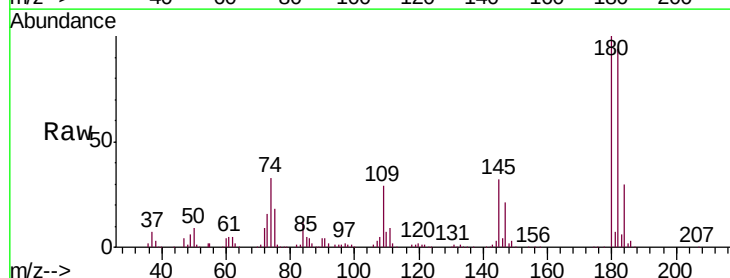
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

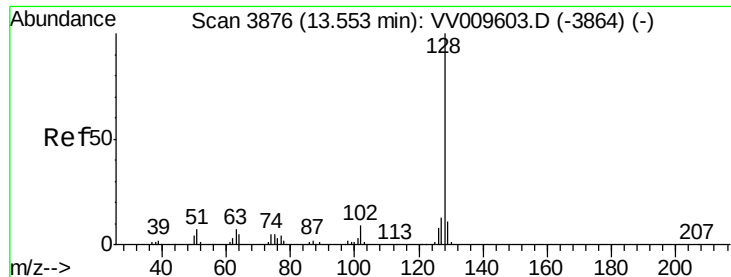
Tgt Ion:180 Resp: 436362
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.0 115.4
 184 30.1 24.2 36.4
 145 32.5 24.7 37.1



#68
 1,2,4-trichlorobenzene
 Concen: 276.855 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009605.D
 Acq: 12 Mar 2019 12:17

Tgt Ion:180 Resp: 371388
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 114.8
 145 32.4 26.2 39.4





#69

Naphthalene

Concen: 283.761 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

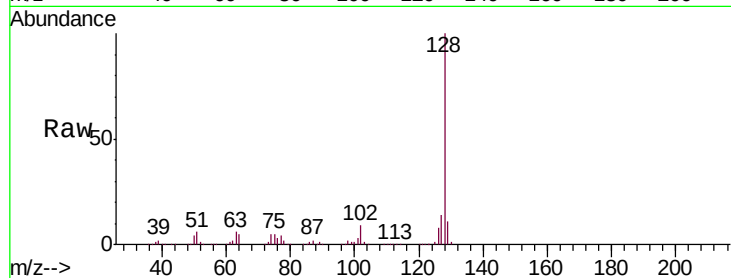
Tgt Ion:128 Resp: 1071787

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

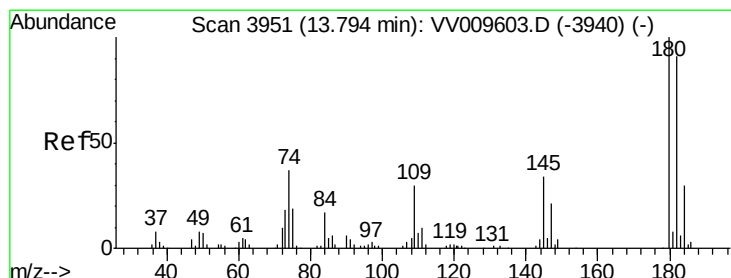
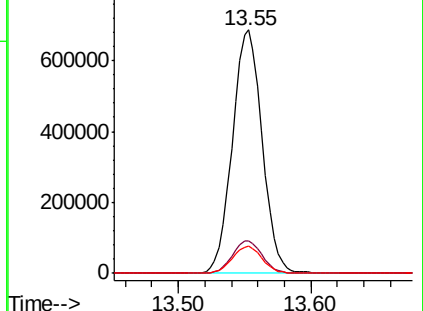
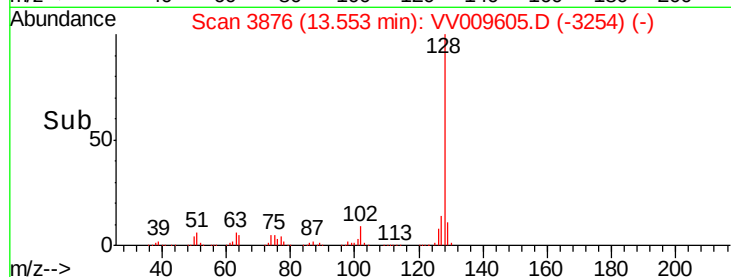
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 262.586 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009605.D

Acq: 12 Mar 2019 12:17

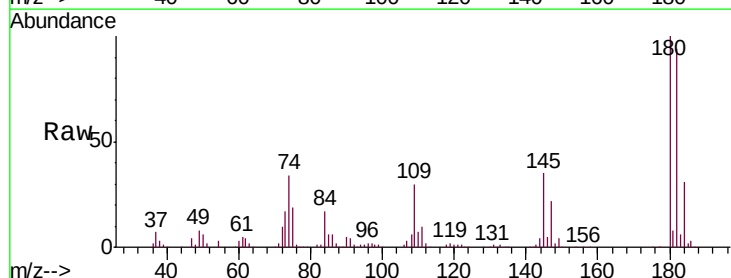
Tgt Ion:180 Resp: 371073

Ion Ratio Lower Upper

180 100

182 94.8 73.4 110.0

145 35.5 27.0 40.4



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

