

Data File : VV009996.D
Acq On : 29 Mar 2019 11:46
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

Quant Time: Mar 30 04:09:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 04:20:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	205797	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	197625	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92094	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90320	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.52%
7) Chloroethane-d5	1.57	69	117948	26.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.60%
10) 1,1-Dichloroethene-d2	2.13	63	268950	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.16%
20) 2-Butanone-d5	3.93	46	34599	44.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.92%
24) Chloroform-d	4.40	84	140266	26.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.08	65	79700	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.04%
29) Benzene-d6	5.10	84	277737	26.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.04%
33) 1,2-Dichloropropane-d6	6.12	67	80370	26.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.88%
37) Toluene-d8	7.36	98	260121	26.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.92%
38) trans-1,3-Dichloropropene-	7.66	79	32623	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.04%
39) 2-Hexanone-d5	8.13	63	25959	45.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	70088	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	86503	24.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	80435	25.245 ug/L	98
3) Chloromethane	1.25	50	101260	27.500 ug/L	97
5) Vinyl chloride	1.32	62	115914	24.211 ug/L	99
6) Bromomethane	1.53	94	125993	26.384 ug/L	98
8) Chloroethane	1.59	64	88525	21.464 ug/L	99
9) Trichlorofluoromethane	1.77	101	260392	25.503 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	149294	25.157 ug/L	99
12) 1,1-Dichloroethene	2.14	96	125643	24.957 ug/L	91
13) Acetone	2.20	43	39554	33.570 ug/L	94
14) Carbon disulfide	2.32	76	163946	24.070 ug/L	99
15) Methyl Acetate	2.46	43	30261	21.926 ug/L	97
16) Methylene chloride	2.53	84	73133	21.579 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	154499	23.519 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	66226	24.560 ug/L	96
19) 1,1-Dichloroethane	3.23	63	127868	25.930 ug/L	97
21) 2-Butanone	4.02	43	46022	43.857 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	77916	26.169 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	33578	24.424	ug/L	93
25) Chloroform	4.42	83	137482	25.215	ug/L	99
27) 1,2-Dichloroethane	5.18	62	94992	24.589	ug/L	99
30) Cyclohexane	4.72	56	114596	28.759	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	118880	30.058	ug/L	98
32) Carbon tetrachloride	4.87	117	102273	29.751	ug/L	98
34) Benzene	5.14	78	290412	26.761	ug/L	100
35) Trichloroethene	5.96	95	78455	27.407	ug/L	97
36) Methylcyclohexane	6.17	83	123155	27.421	ug/L	95
40) 1,2-Dichloropropane	6.22	63	71982	26.544	ug/L #	94
41) Bromodichloromethane	6.55	83	91285	27.068	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	106273	26.880	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	89474	46.236	ug/L	99
44) Toluene	7.43	91	311839	26.065	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	86427	26.704	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	55000	24.523	ug/L	98
47) Tetrachloroethene	8.02	164	61553	27.250	ug/L	96
49) 2-Hexanone	8.18	43	63978	48.917	ug/L	97
50) Dibromochloromethane	8.29	129	57703	24.813	ug/L	98
51) 1,2-Dibromoethane	8.40	107	52399	24.062	ug/L	96
52) Chlorobenzene	8.92	112	202052	25.369	ug/L	98
53) Ethylbenzene	9.05	91	350177	26.534	ug/L	99
54) m,p-Xylene	9.18	106	135336	26.110	ug/L	92
55) o-xylene	9.59	106	126592	25.161	ug/L	92
56) Styrene	9.60	104	215441	24.930	ug/L	98
57) Isopropylbenzene	9.97	105	349038	26.742	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	70075	23.180	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	49213	22.556	ug/L	100
62) Bromoform	9.77	173	29558	24.952	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	145867	25.608	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	150632	24.333	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	140505	24.994	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7602	21.636	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	106993	26.449	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	79062	26.495	ug/L	96
69) Naphthalene	13.55	128	128179	25.841	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	78114	27.531	ug/L	95

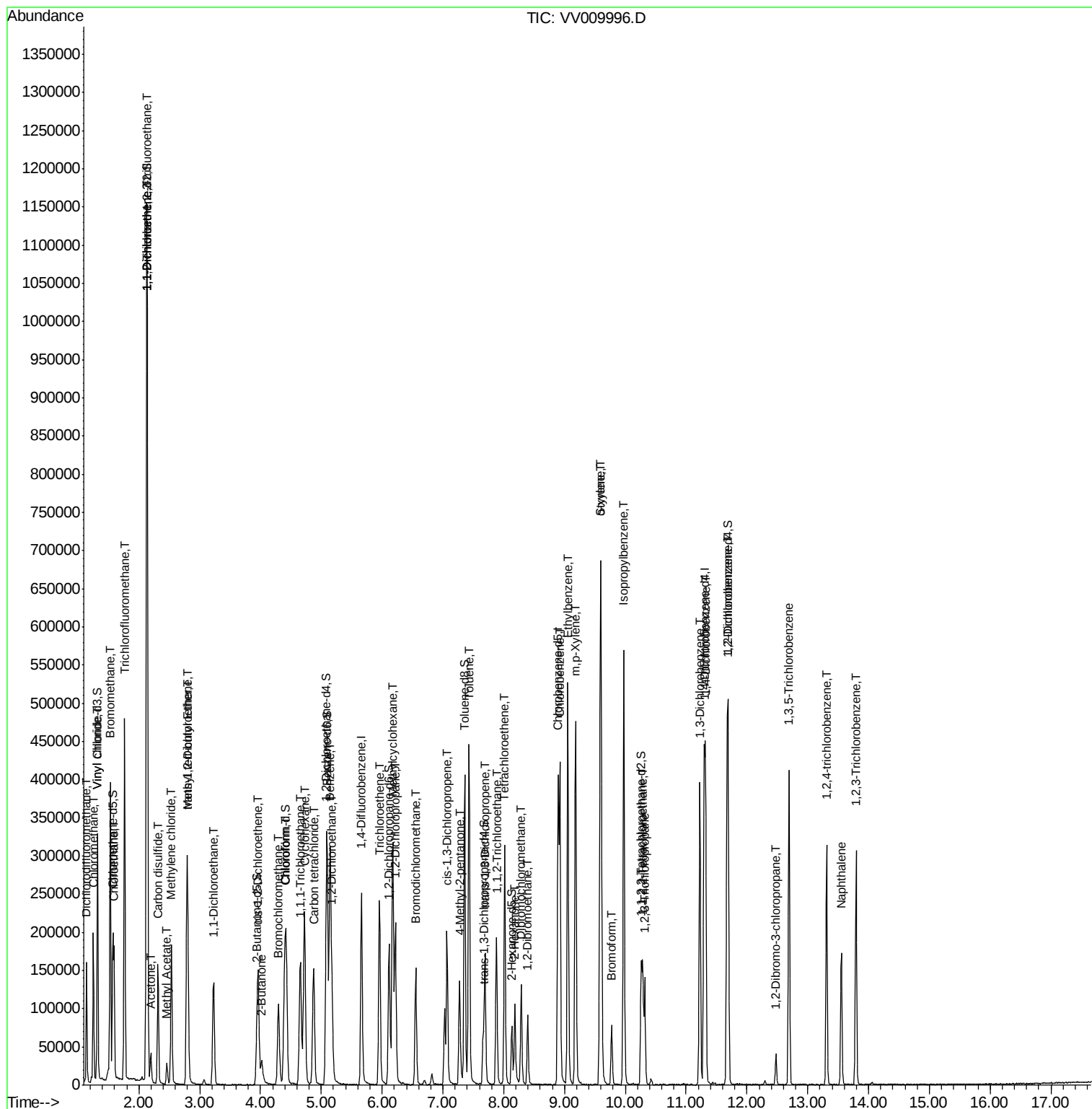
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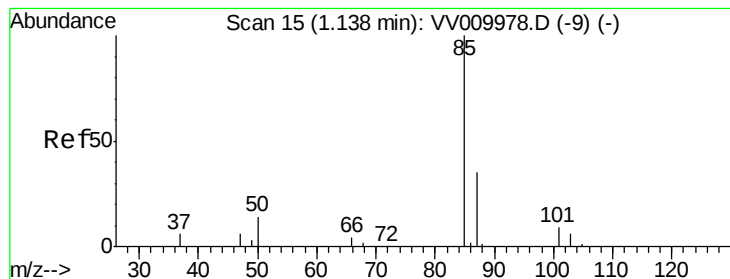
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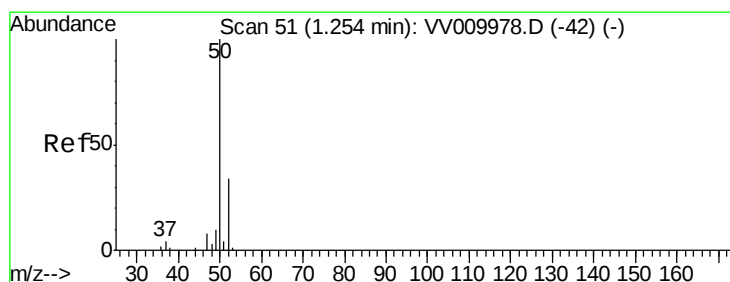
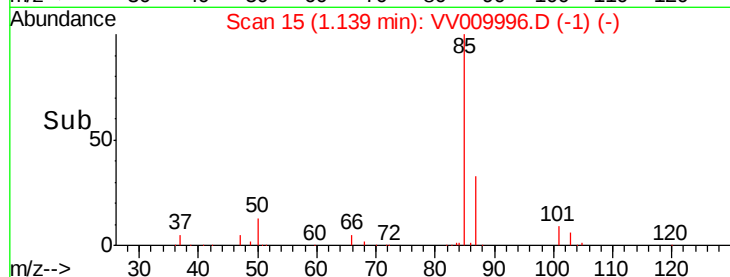
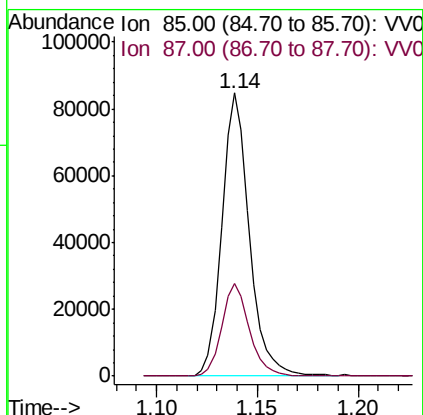
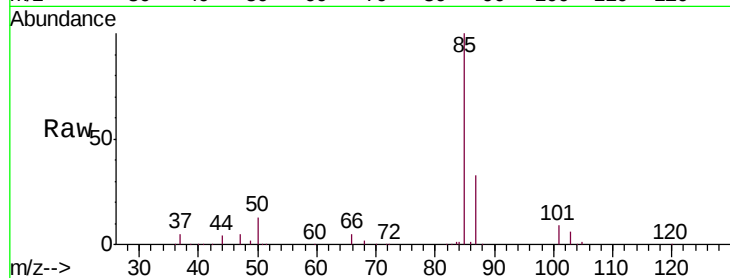




#2
 Dichlorodifluoromethane
 Concen: 25.245 ug/L
 RT: 1.14 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

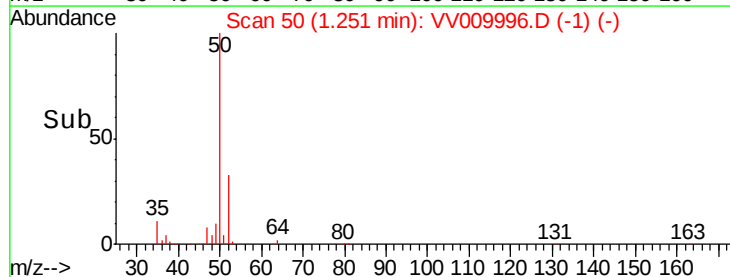
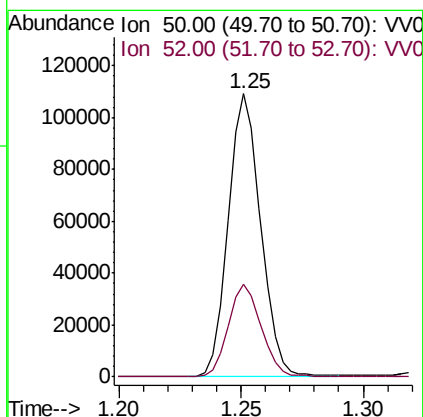
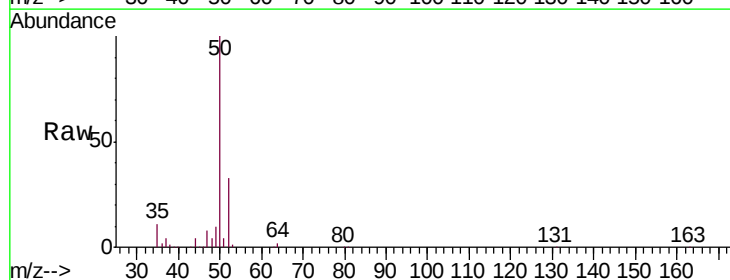
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

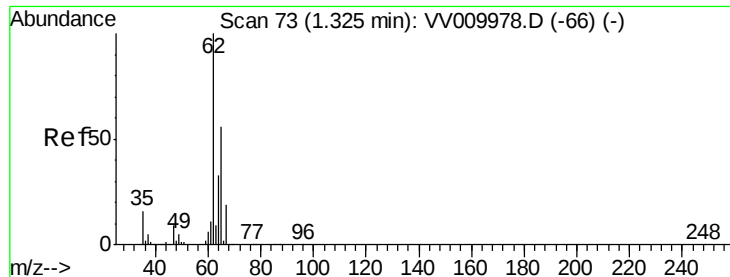
Tgt Ion: 85 Resp: 80435
 Ion Ratio Lower Upper
 85 100
 87 32.9 22.2 41.2



#3
 Chloromethane
 Concen: 27.500 ug/L
 RT: 1.25 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 50 Resp: 101260
 Ion Ratio Lower Upper
 50 100
 52 32.6 21.8 40.6





#5

Vinyl chloride

Concen: 24.211 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampled :

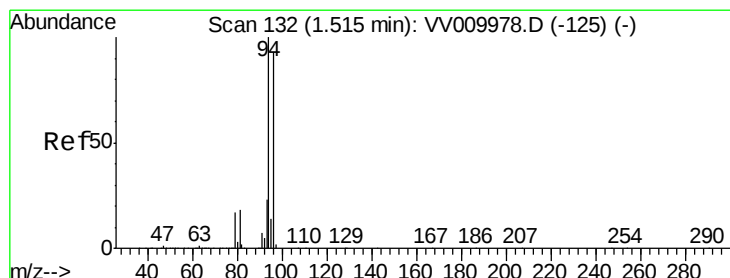
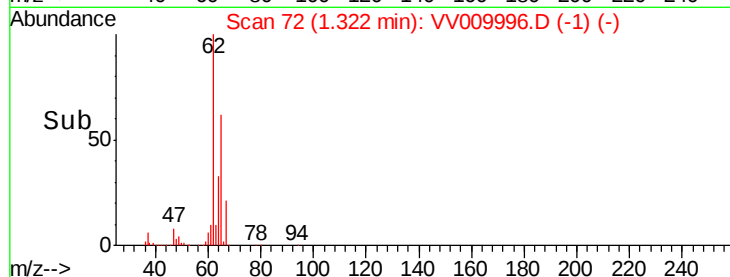
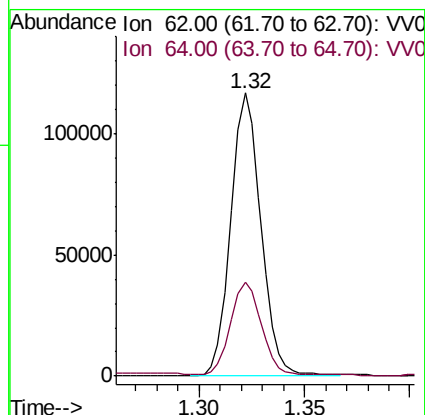
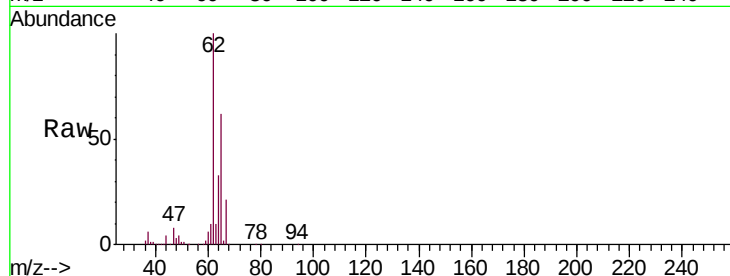
VSTD02572

Tgt Ion: 62 Resp: 115914

Ion Ratio Lower Upper

62 100

64 33.1 22.8 42.4



#6

Bromomethane

Concen: 26.384 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.01 min

Lab File: VV009996.D

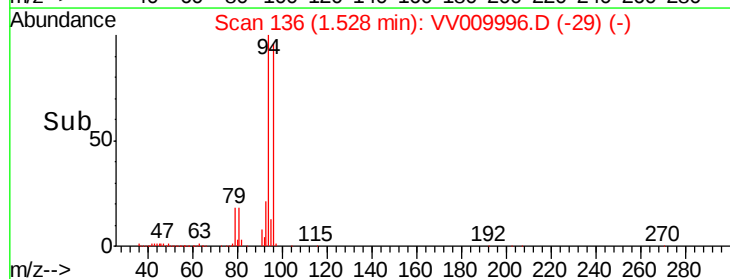
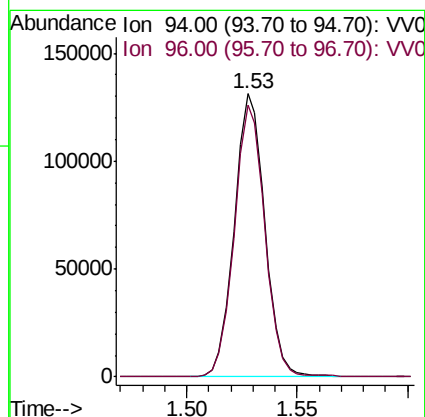
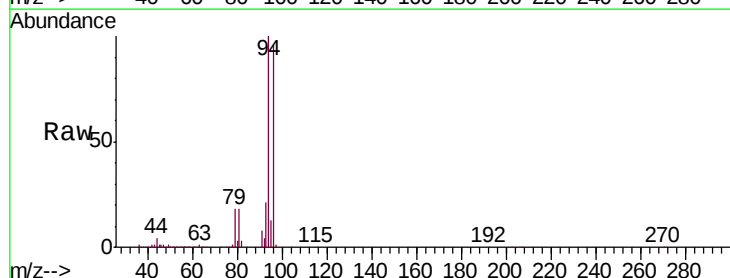
Acq: 29 Mar 2019 11:46

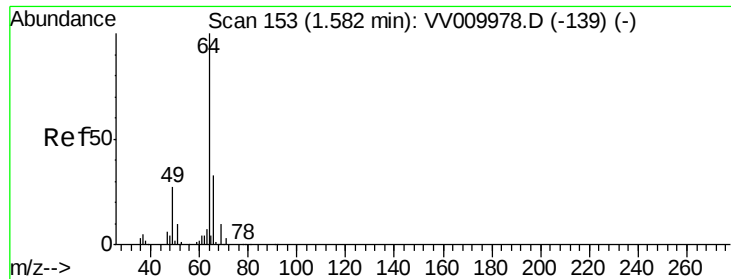
Tgt Ion: 94 Resp: 125993

Ion Ratio Lower Upper

94 100

96 96.2 9.4 179.4

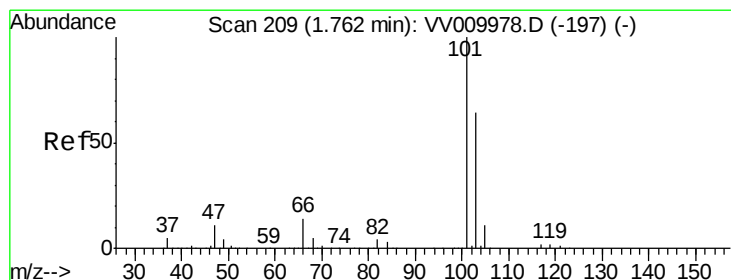
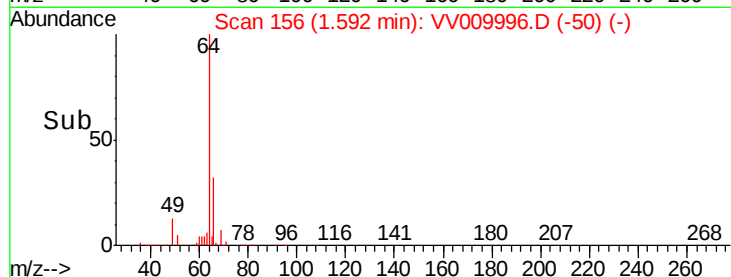
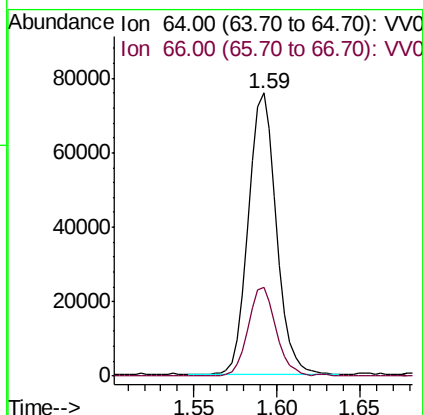
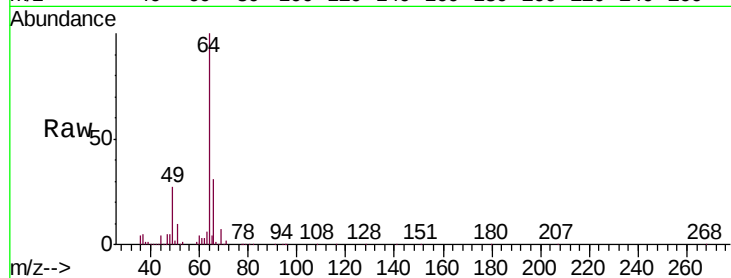




#8
Chloroethane
Concen: 21.464 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.01 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

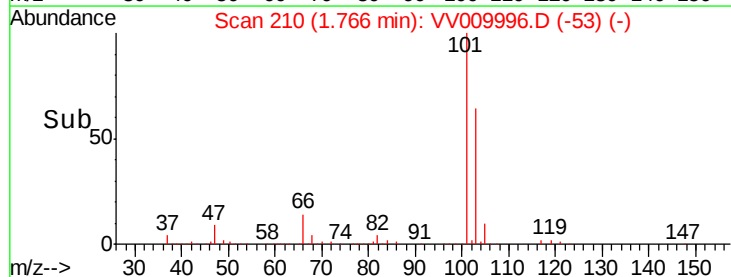
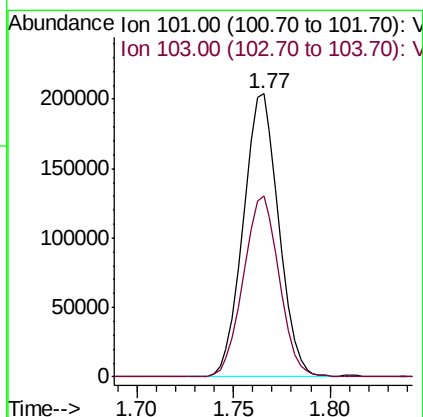
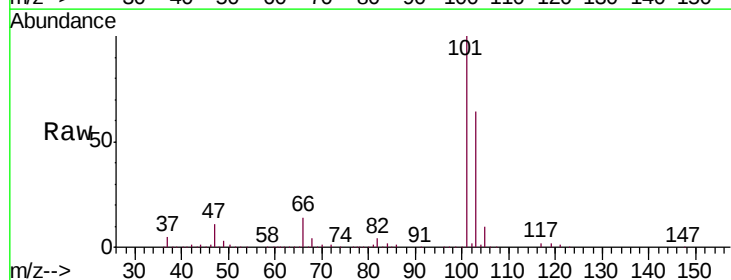
Instrument :
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ClientSampleId :
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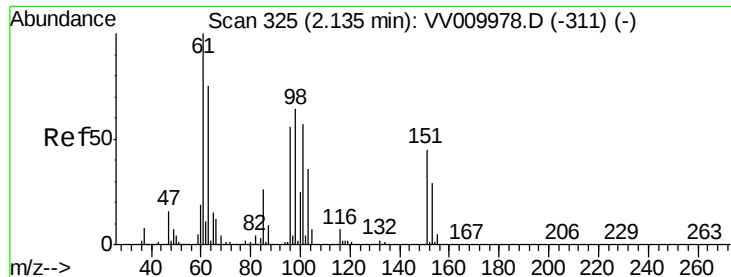
Tgt Ion: 64 Resp: 88525
Ion Ratio Lower Upper
64 100
66 31.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 25.503 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 101 Resp: 260392
Ion Ratio Lower Upper
101 100
103 64.7 45.1 83.9





#11

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

Concen: 25.157 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

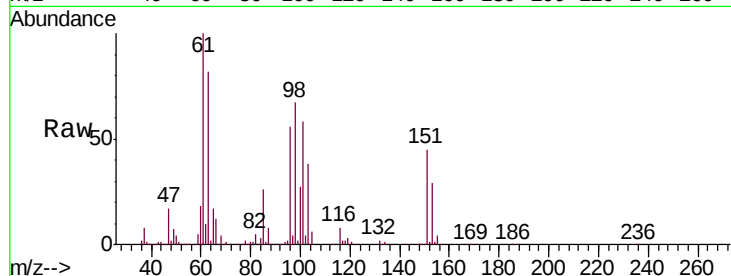
Tgt Ion: 101 Resp: 149294

Ion Ratio Lower Upper

101 100

85 44.7 36.9 55.3

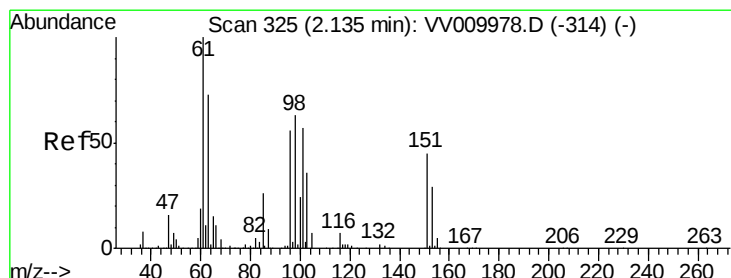
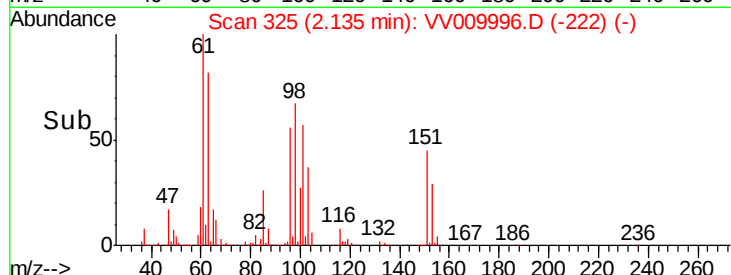
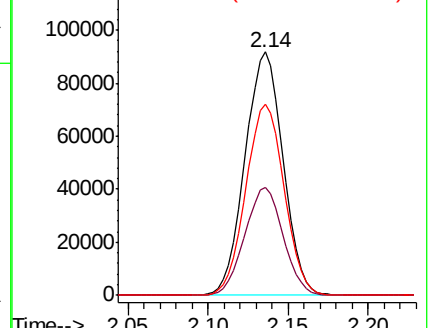
151 79.1 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): VV009996.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009996.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009996.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 24.957 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

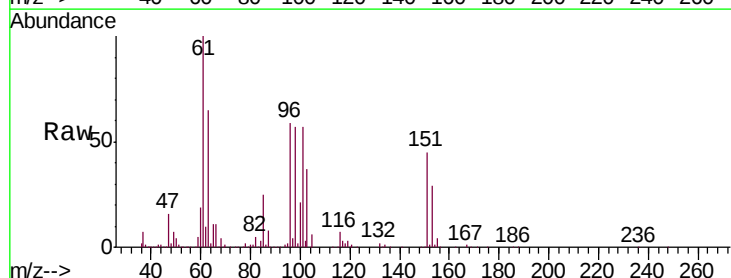
Tgt Ion: 96 Resp: 125643

Ion Ratio Lower Upper

96 100

61 169.1 124.3 230.8

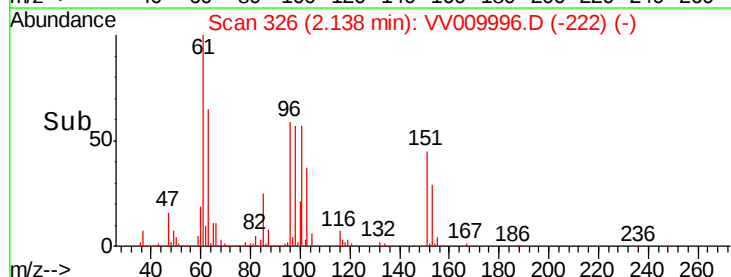
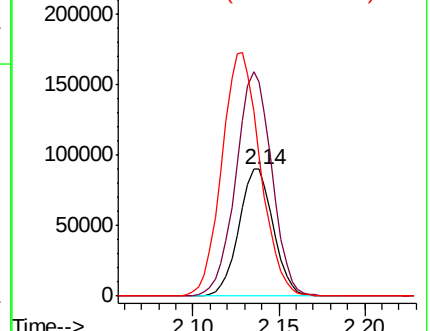
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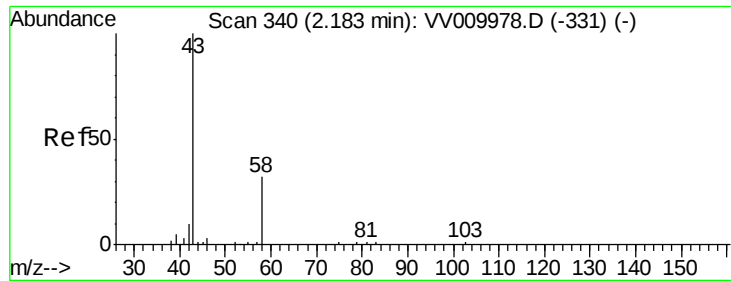


Abundance Ion 96.00 (95.70 to 96.70): VV009996.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009996.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009996.D (-222) (-)





#13

Acetone

Concen: 33.570 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

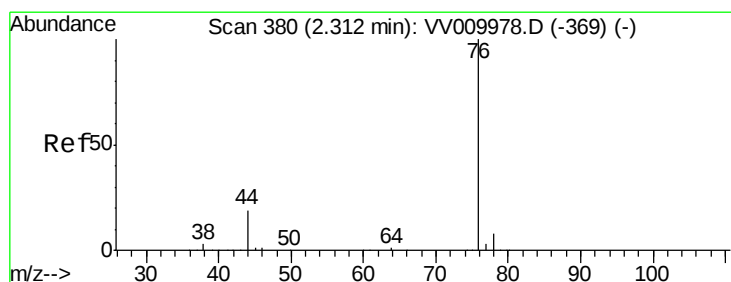
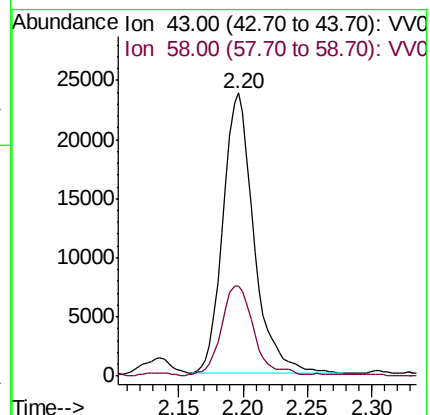
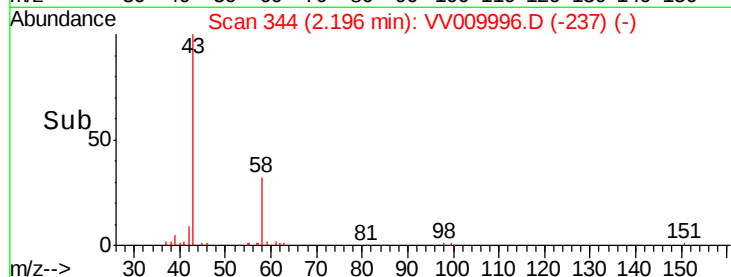
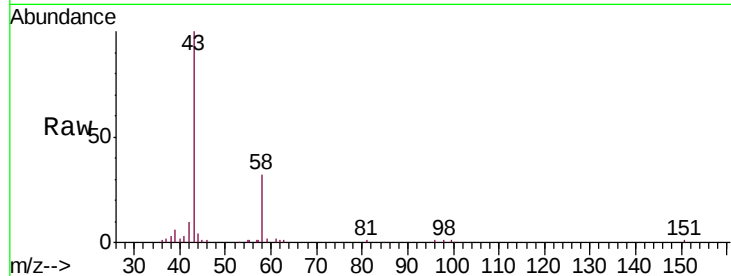
VSTD02572

Tgt Ion: 43 Resp: 39554

Ion Ratio Lower Upper

43 100

58 33.0 0.0 59.4



#14

Carbon disulfide

Concen: 24.070 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009996.D

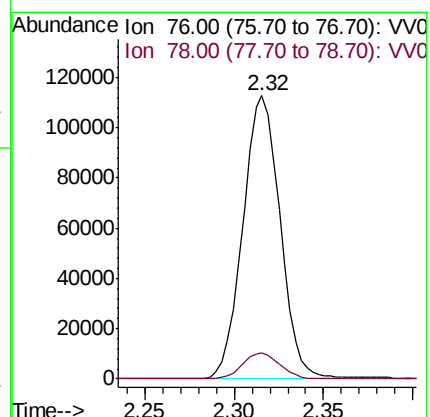
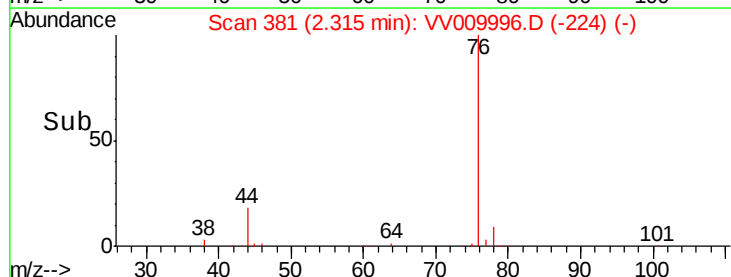
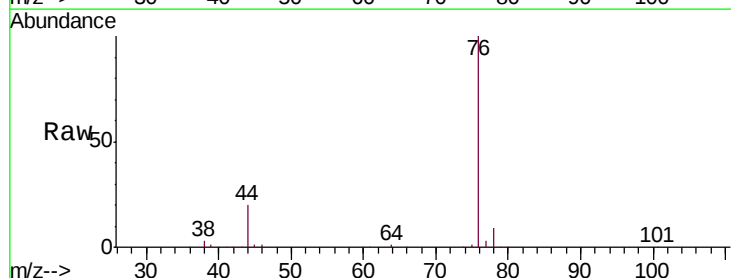
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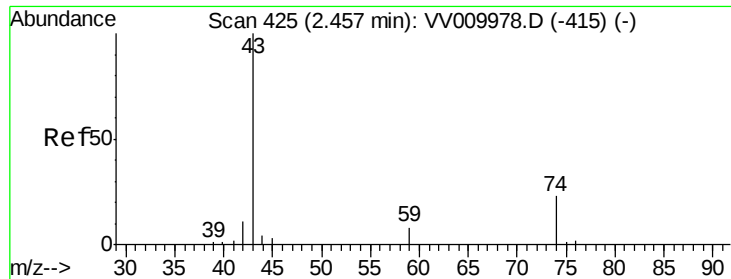
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Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

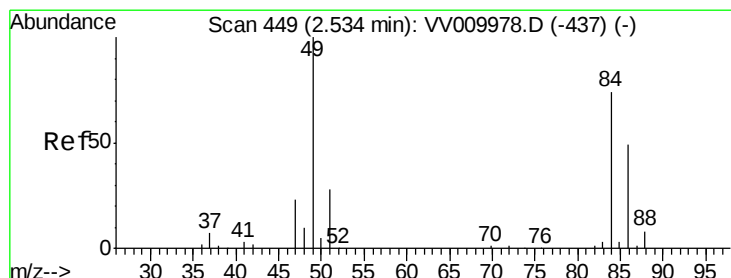
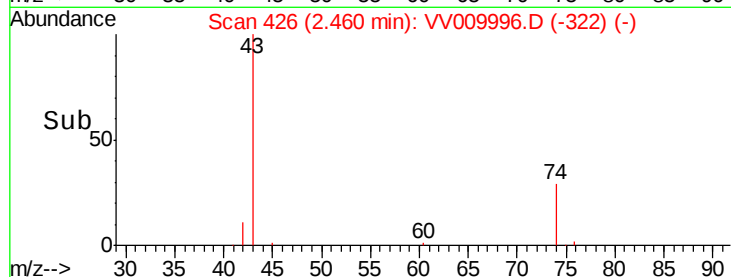
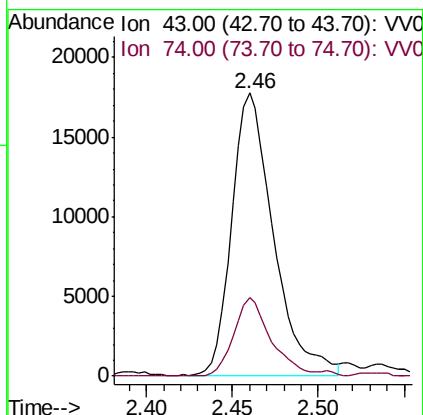
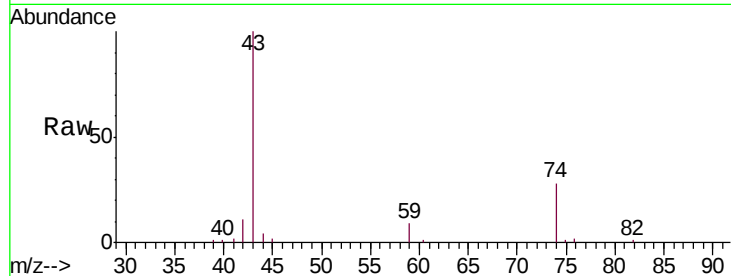




#15
Methyl Acetate
Concen: 21.926 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

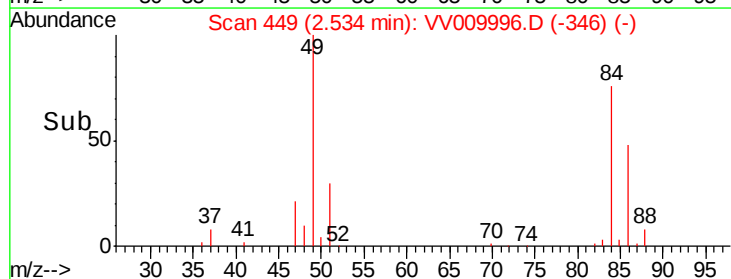
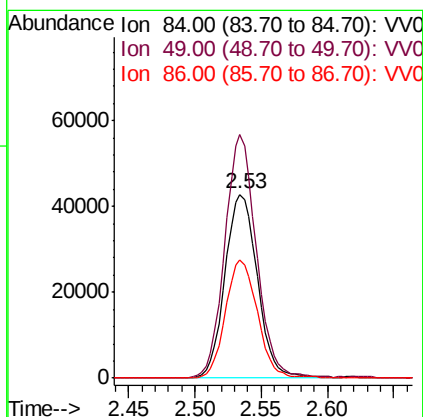
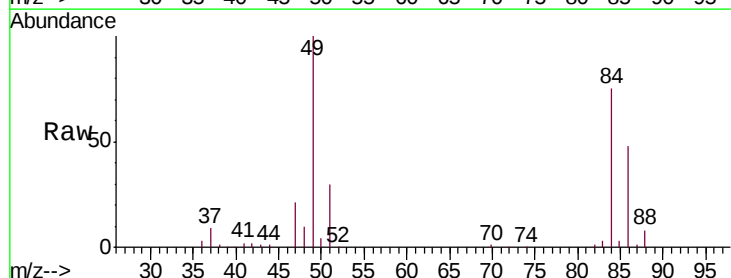
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

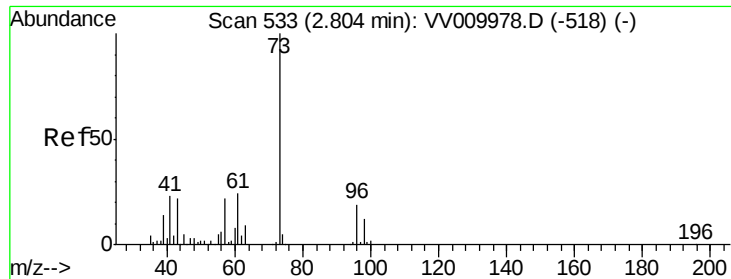
Tgt Ion: 43 Resp: 30261
Ion Ratio Lower Upper
43 100
74 24.4 20.9 31.3



#16
Methylene chloride
Concen: 21.579 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 84 Resp: 73133
Ion Ratio Lower Upper
84 100
49 132.6 90.4 167.8
86 64.0 44.0 81.6

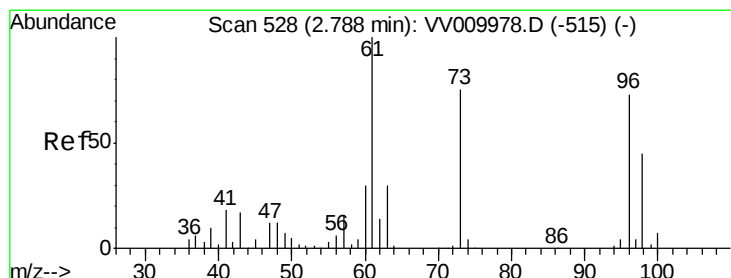
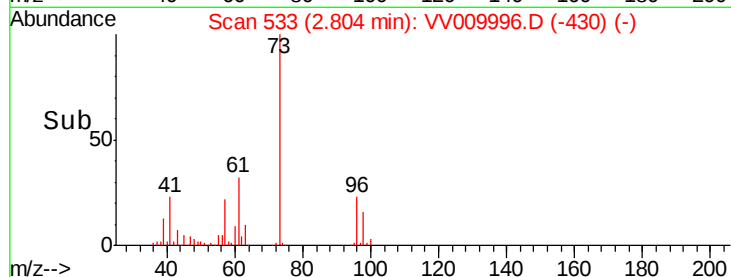
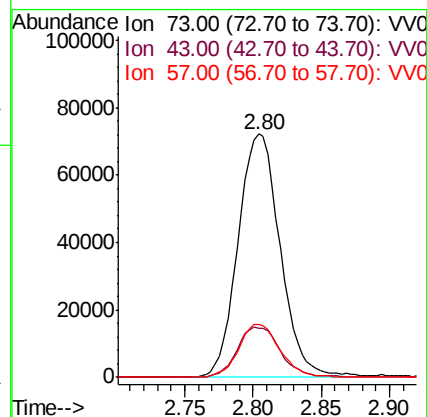
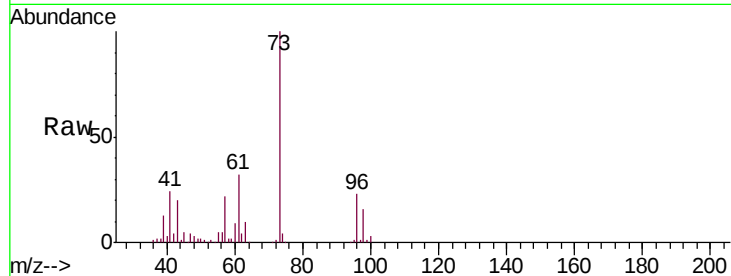




#17
Methyl tert-butyl Ether
Concen: 23.519 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

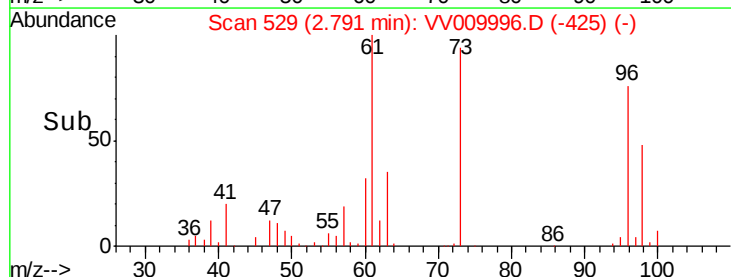
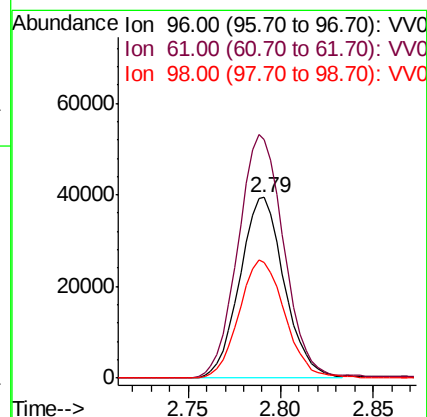
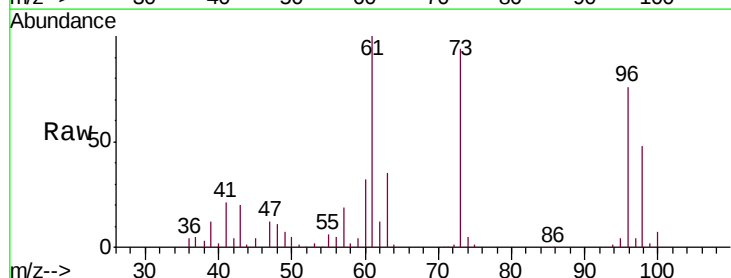
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

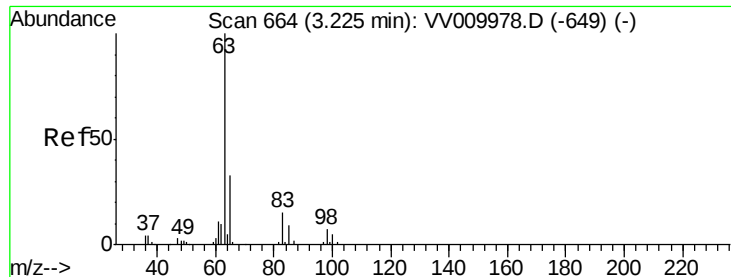
Tgt Ion: 73 Resp: 154499
Ion Ratio Lower Upper
73 100
43 20.9 17.0 25.6
57 21.4 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 24.560 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 96 Resp: 66226
Ion Ratio Lower Upper
96 100
61 132.2 96.8 179.8
98 64.0 46.1 85.7

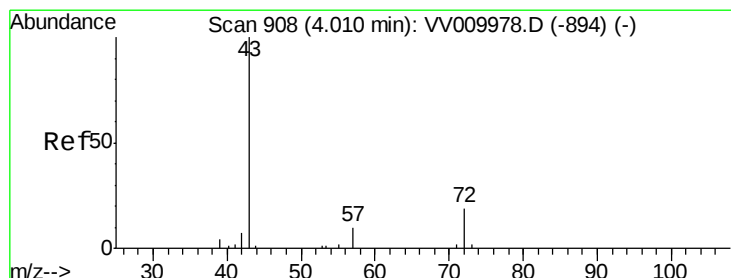
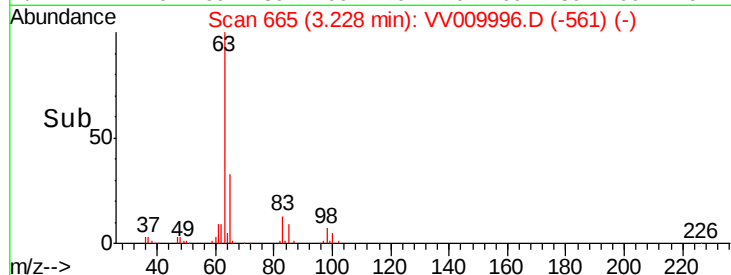
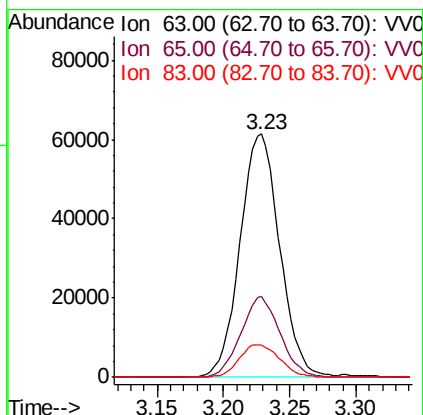
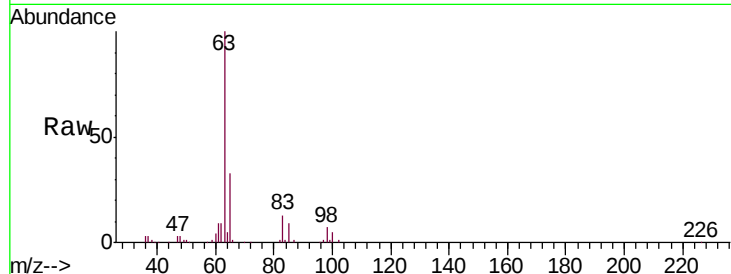




#19
 1,1-Dichloroethane
 Concen: 25.930 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

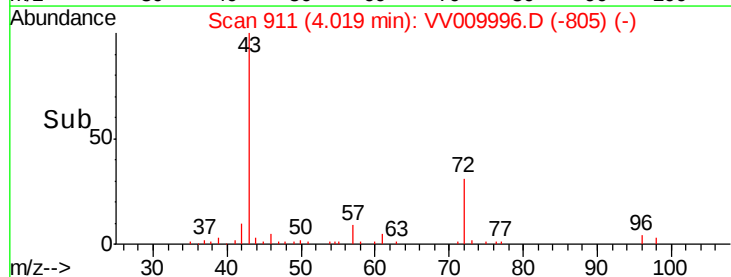
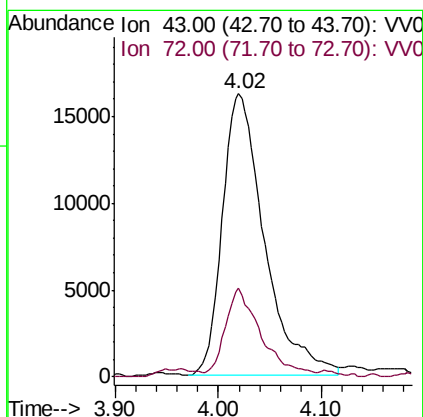
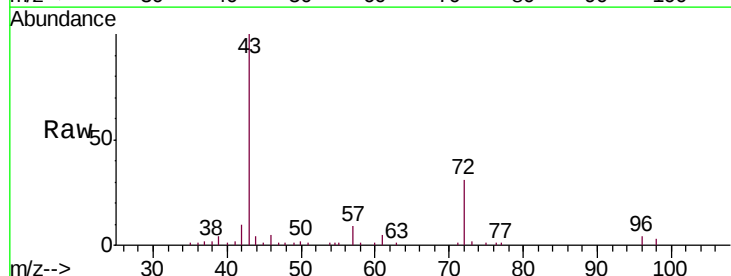
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

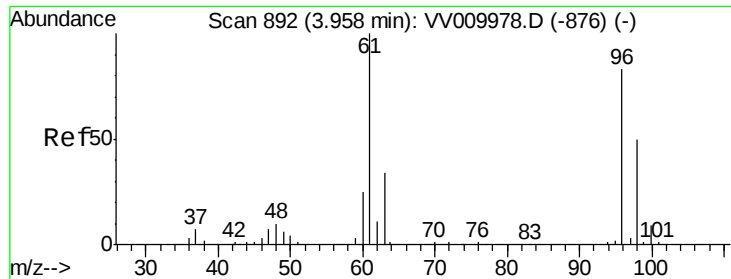
Tgt Ion: 63 Resp: 127868
 Ion Ratio Lower Upper
 63 100
 65 33.3 23.2 43.0
 83 13.1 11.3 21.1



#21
 2-Butanone
 Concen: 43.857 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 43 Resp: 46022
 Ion Ratio Lower Upper
 43 100
 72 24.4 11.1 33.1



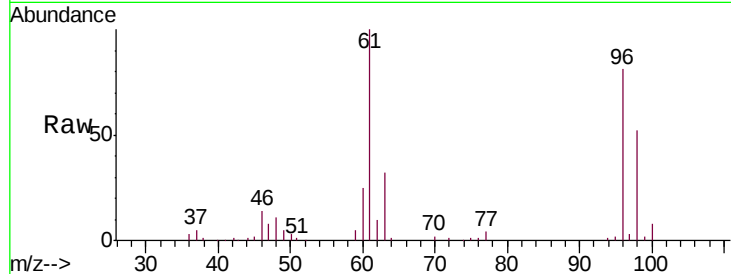


#22

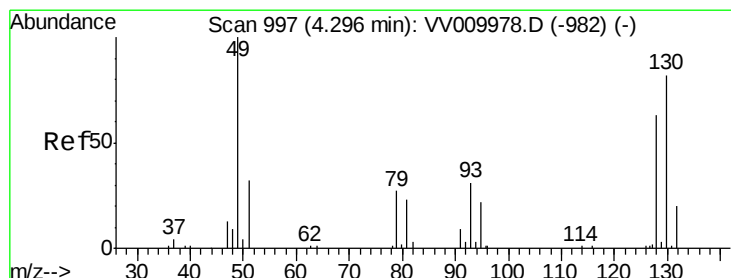
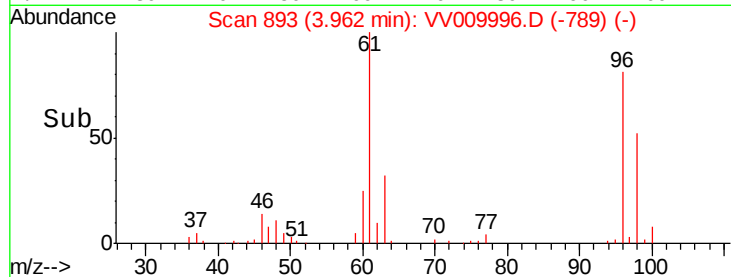
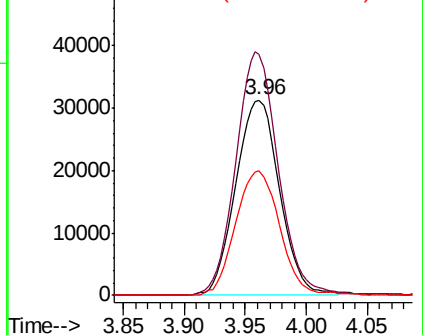
cis-1,2-Dichloroethene
 Concen: 26.169 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Tgt Ion: 96 Resp: 77916
 Ion Ratio Lower Upper
 96 100
 61 123.3 91.4 169.8
 98 63.5 48.0 89.2



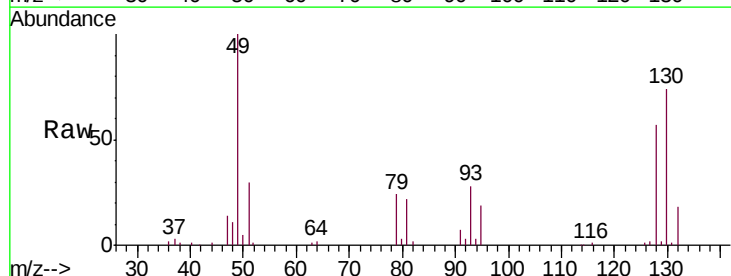
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



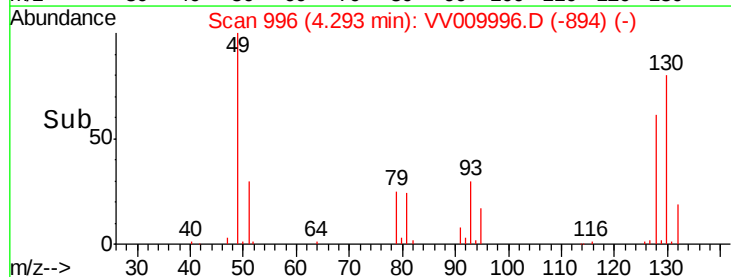
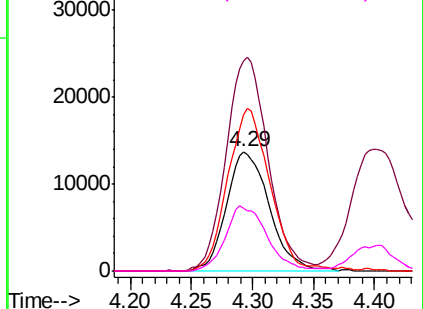
#23

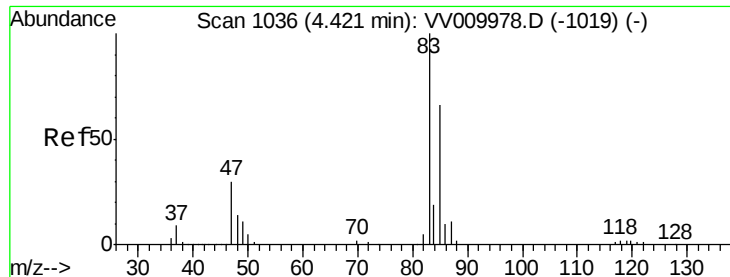
Bromochloromethane
 Concen: 24.424 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 128 Resp: 33578
 Ion Ratio Lower Upper
 128 100
 49 176.4 118.2 219.6
 130 131.2 83.4 154.8
 51 52.4 39.4 59.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

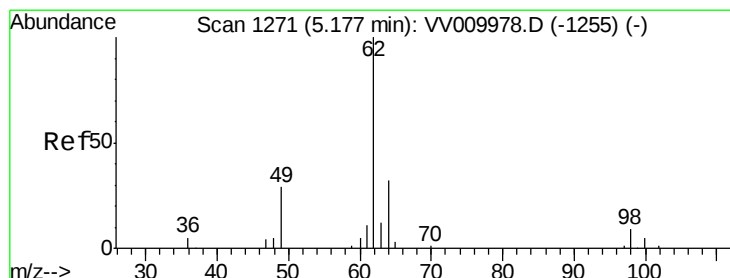
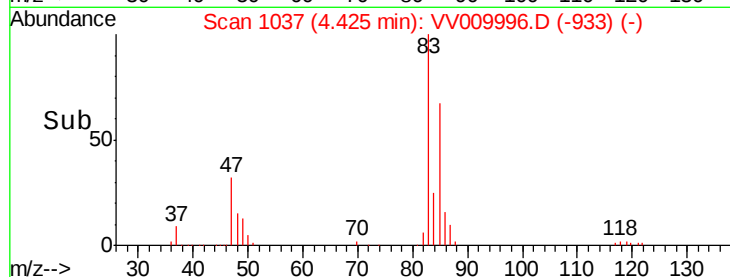
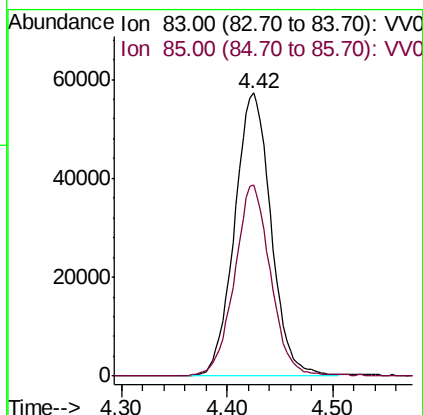
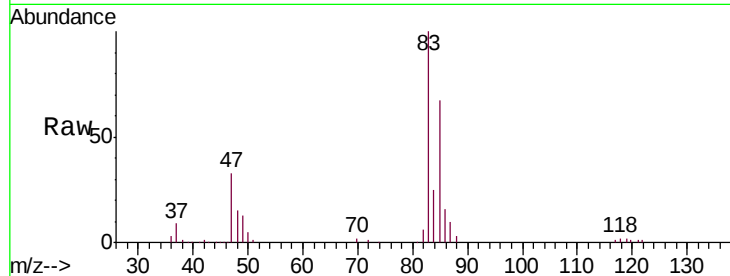




#25
Chloroform
Concen: 25.215 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

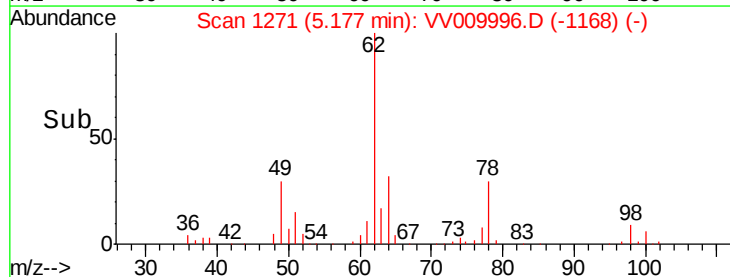
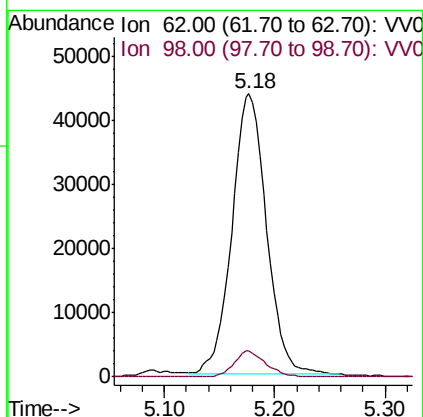
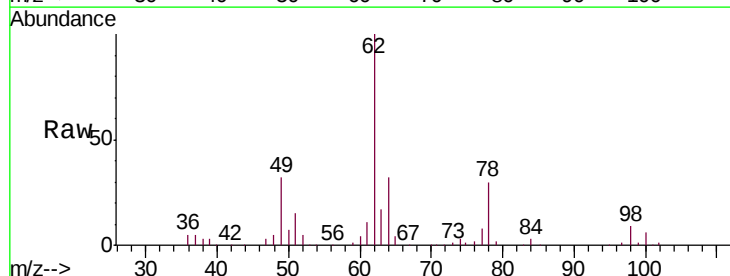
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

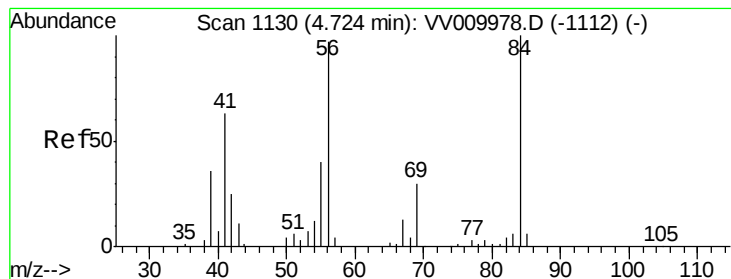
Tgt Ion: 83 Resp: 137482
Ion Ratio Lower Upper
83 100
85 67.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 24.589 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 62 Resp: 94992
Ion Ratio Lower Upper
62 100
98 9.2 7.2 10.8





#30

Cyclohexane

Concen: 28.759 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

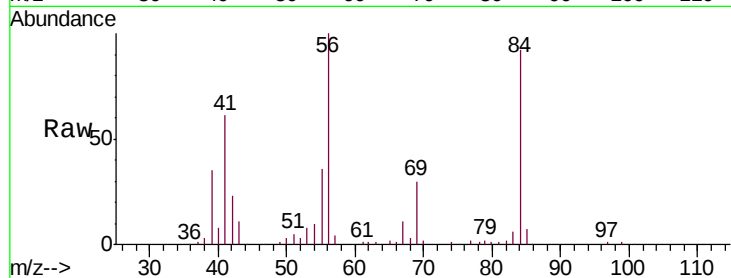
Tgt Ion: 56 Resp: 114596

Ion Ratio Lower Upper

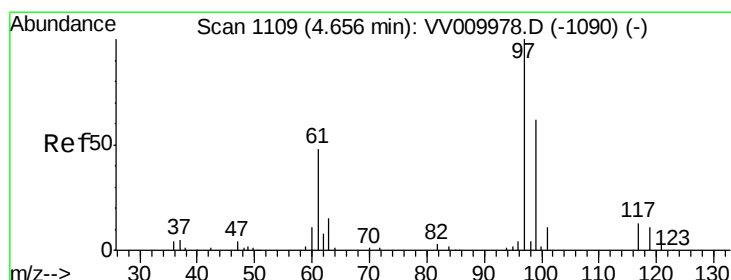
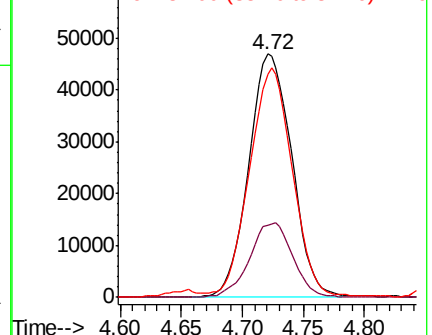
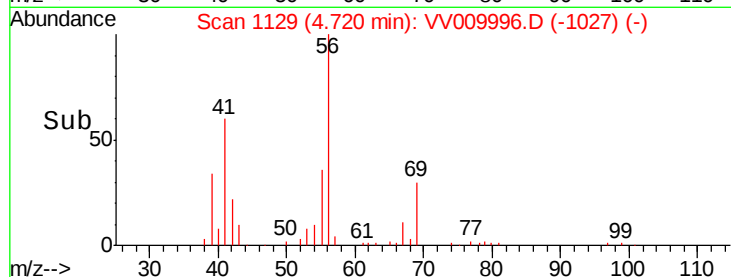
56 100

69 30.6 24.5 36.7

84 91.3 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VV009996.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 30.058 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

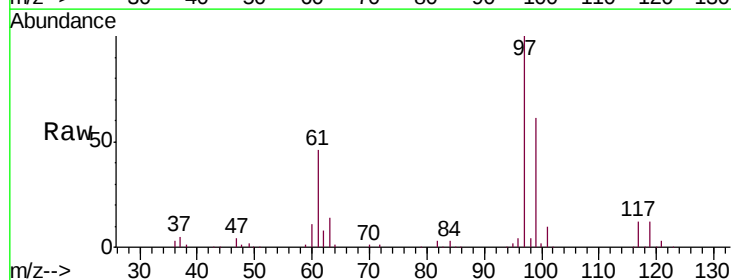
Tgt Ion: 97 Resp: 118880

Ion Ratio Lower Upper

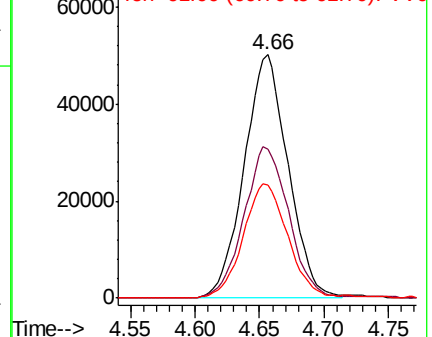
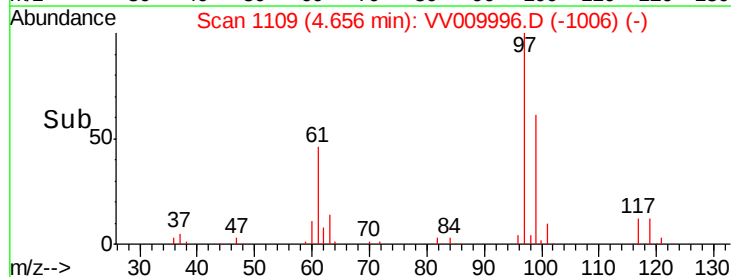
97 100

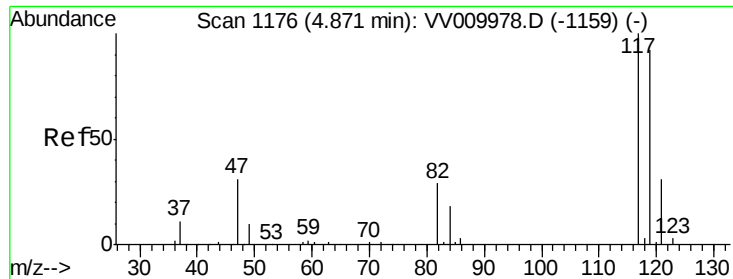
99 63.1 51.5 77.3

61 47.6 39.4 59.0



Abundance Ion 97.00 (96.70 to 97.70): VV009996.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 29.751 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

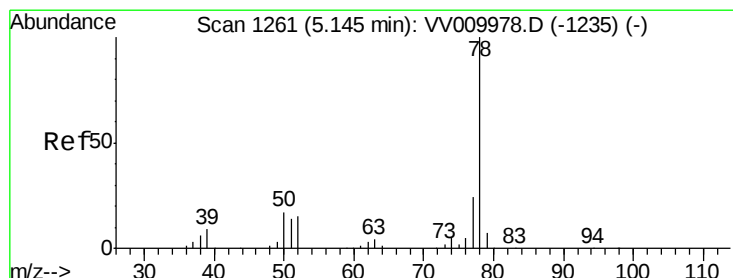
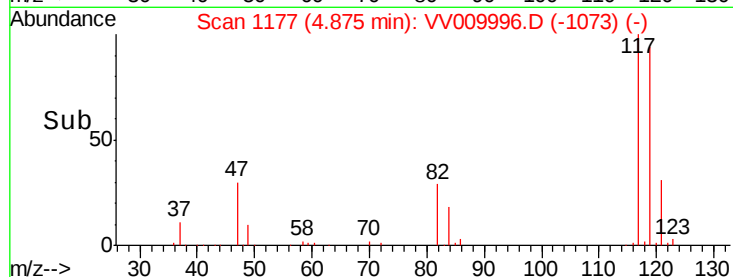
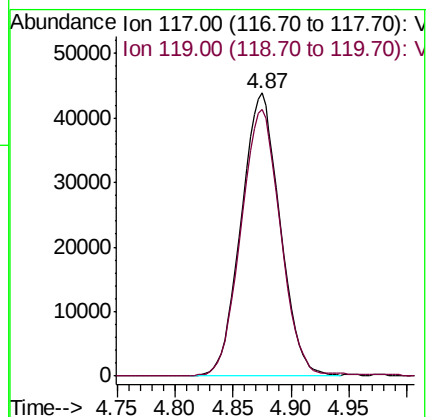
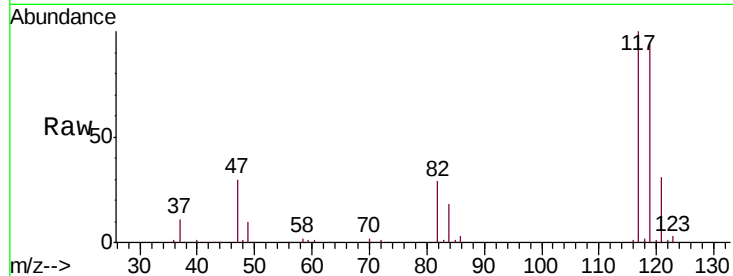
VSTD02572

Tgt Ion:117 Resp: 102273

Ion Ratio Lower Upper

117 100

119 95.6 78.1 117.1



#34

Benzene

Concen: 26.761 ug/L

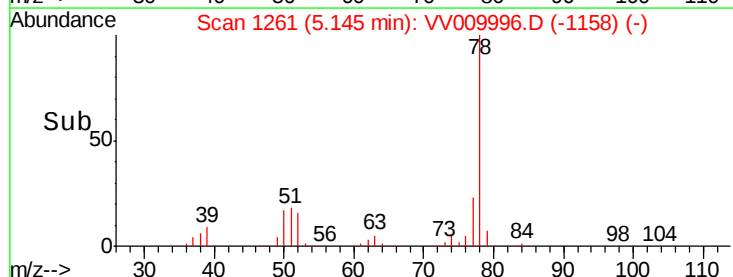
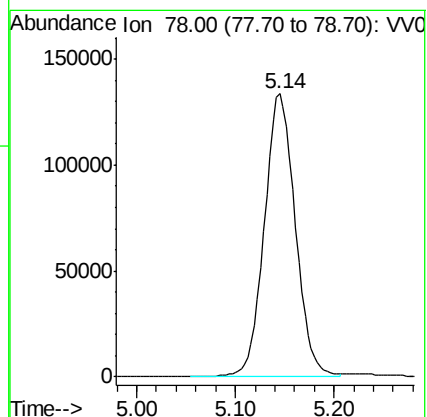
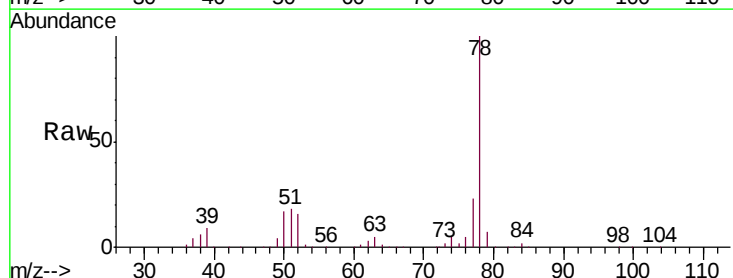
RT: 5.14 min Scan# 1261

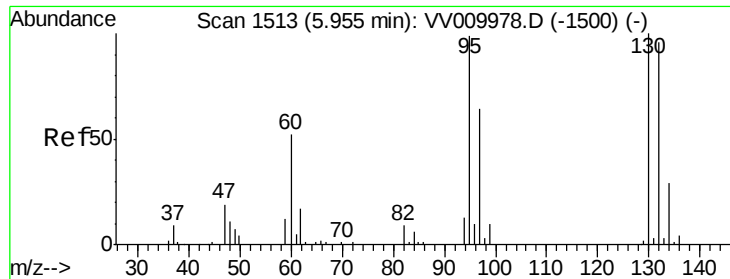
Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Tgt Ion: 78 Resp: 290412





#35

Trichloroethene

Concen: 27.407 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

Tgt Ion: 95 Resp: 78455

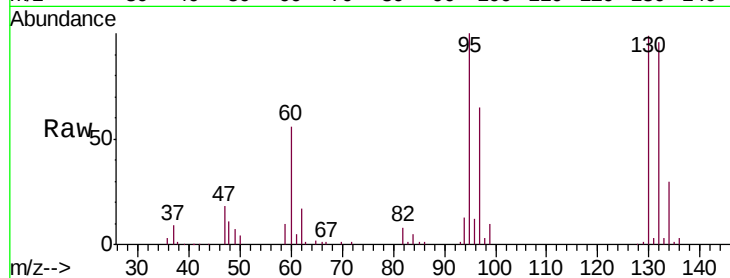
Ion Ratio Lower Upper

95 100

97 64.7 46.3 85.9

132 93.9 69.3 128.7

130 97.1 69.5 129.1

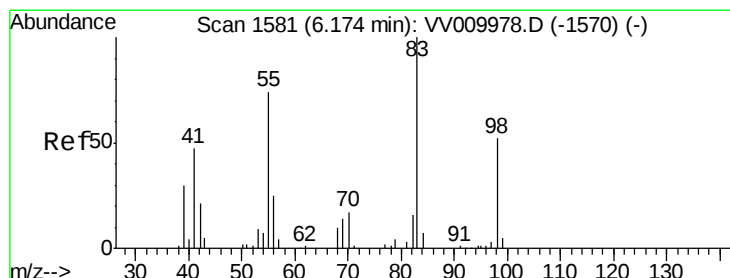
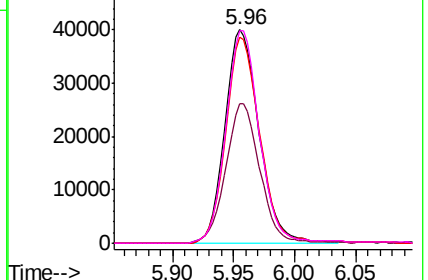
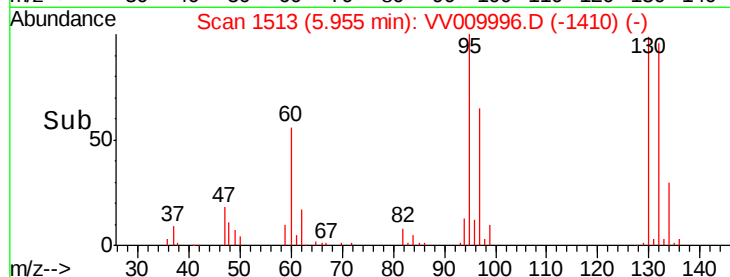


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#36

Methylcyclohexane

Concen: 27.421 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

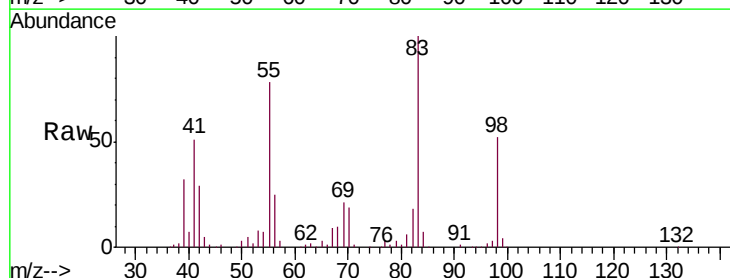
Tgt Ion: 83 Resp: 123155

Ion Ratio Lower Upper

83 100

55 76.4 57.3 85.9

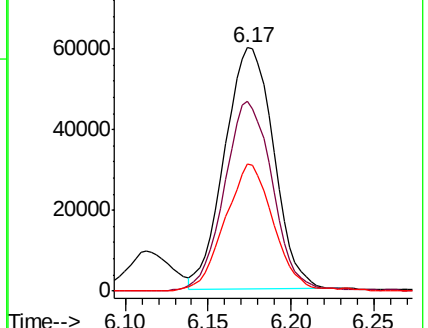
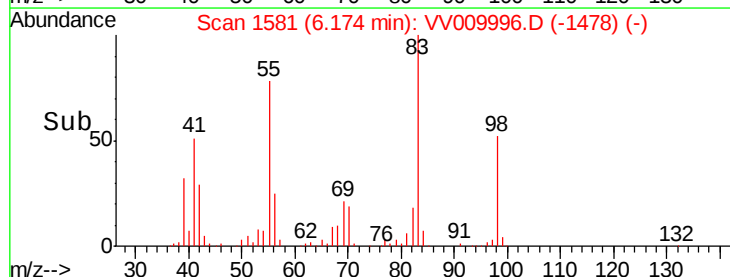
98 51.4 39.2 58.8

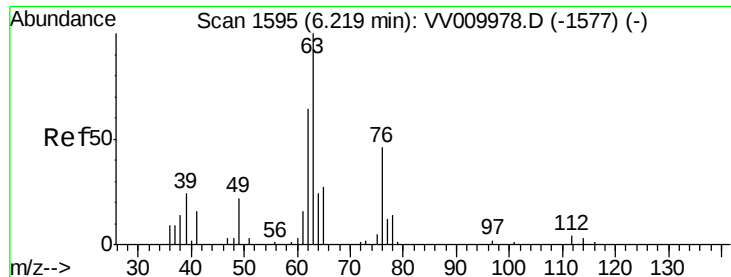


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

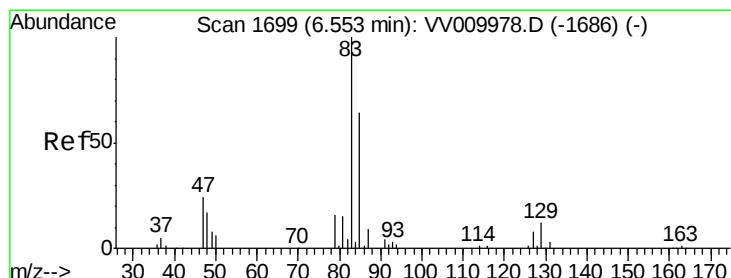
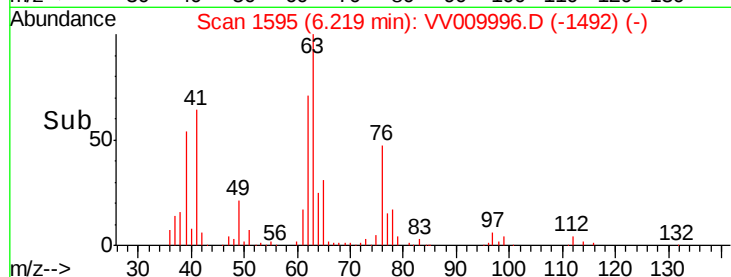
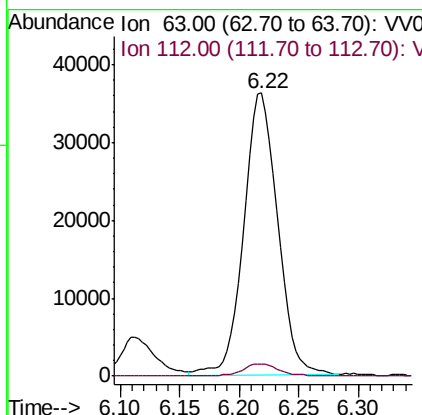
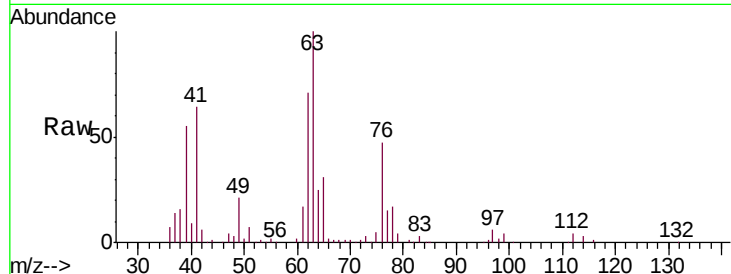




#40
 1,2-Dichloropropane
 Concen: 26.544 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

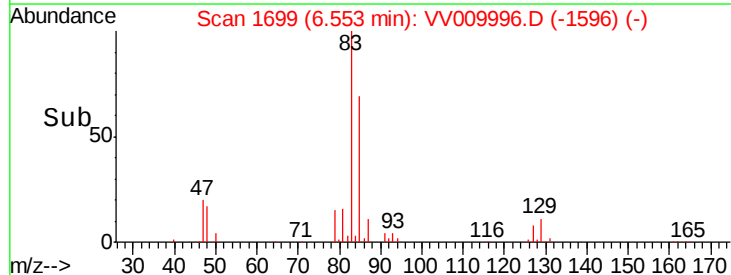
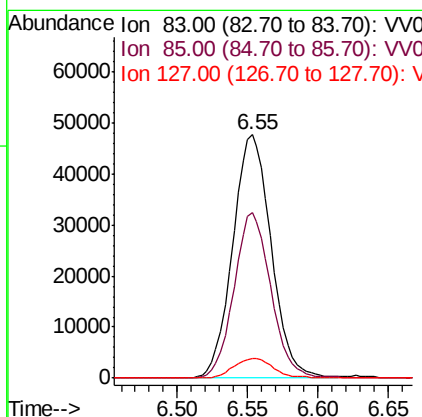
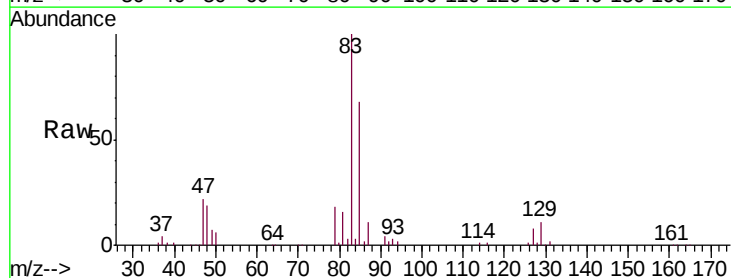
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

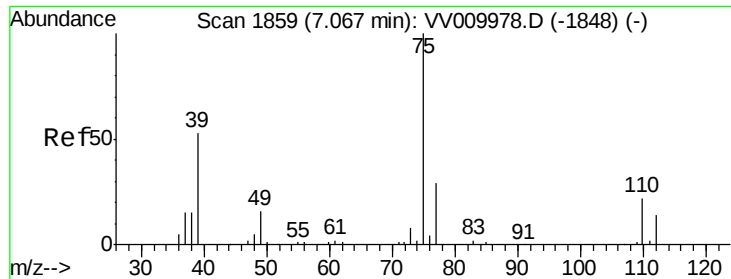
Tgt Ion: 63 Resp: 71982
 Ion Ratio Lower Upper
 63 100
 112 4.6 2.1 3.1#



#41
 Bromodichloromethane
 Concen: 27.068 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 83 Resp: 91285
 Ion Ratio Lower Upper
 83 100
 85 68.1 45.6 84.8
 127 8.2 6.2 9.4



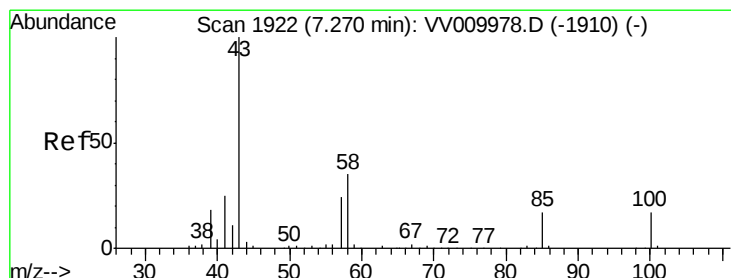
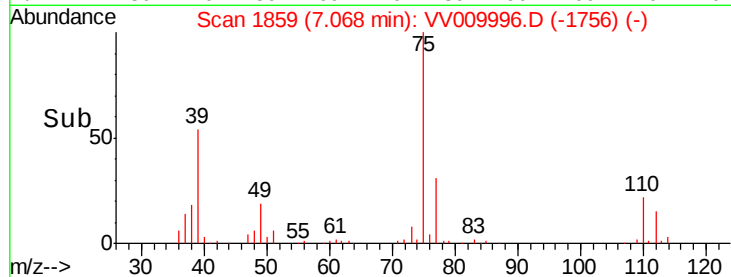
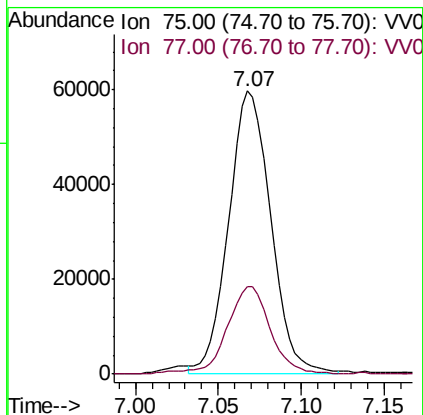
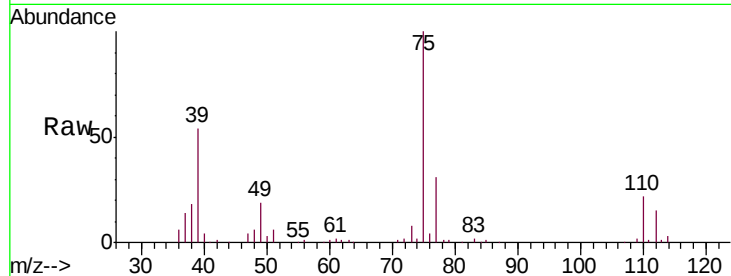


#42

cis-1,3-Dichloropropene
Concen: 26.880 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

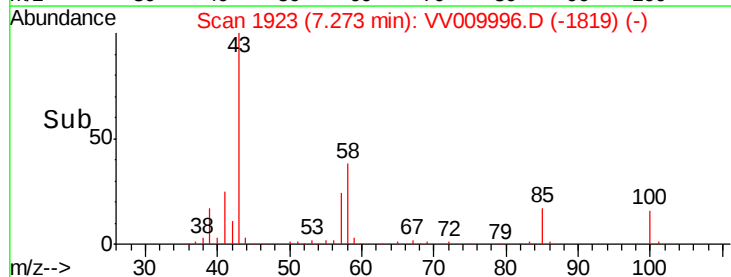
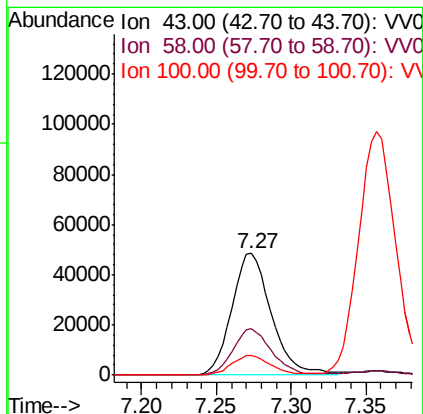
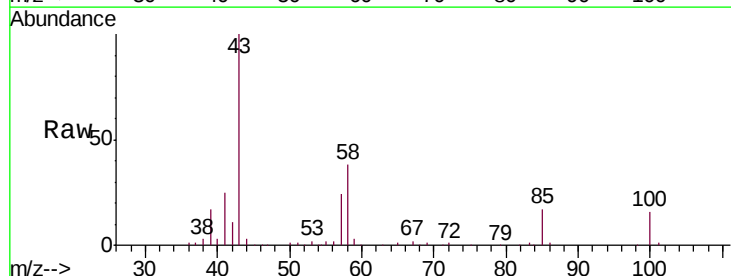
Tgt Ion: 75 Resp: 106273
Ion Ratio Lower Upper
75 100
77 31.0 21.8 40.6

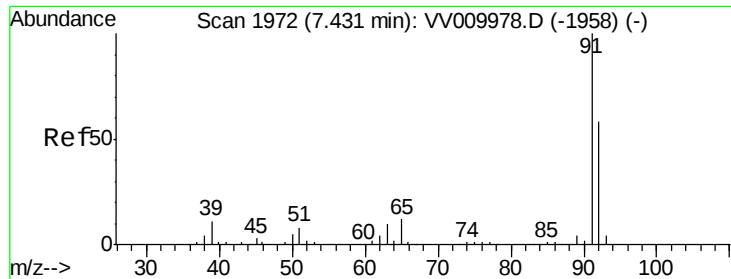


#43

4-Methyl-2-pentanone
Concen: 46.236 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 43 Resp: 89474
Ion Ratio Lower Upper
43 100
58 37.3 29.4 44.2
100 15.9 12.2 18.4





#44

Toluene

Concen: 26.065 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

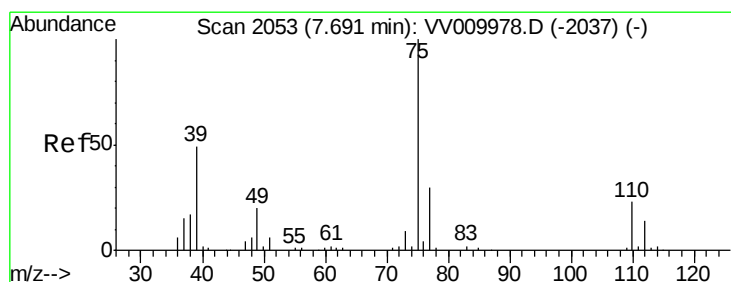
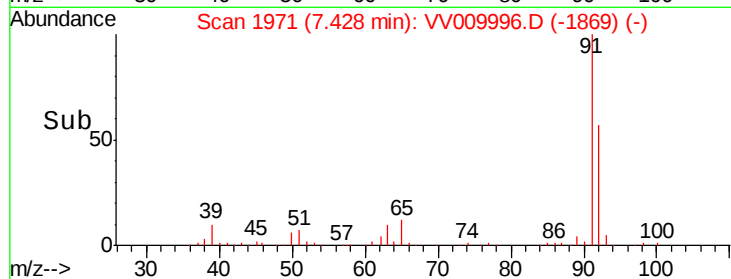
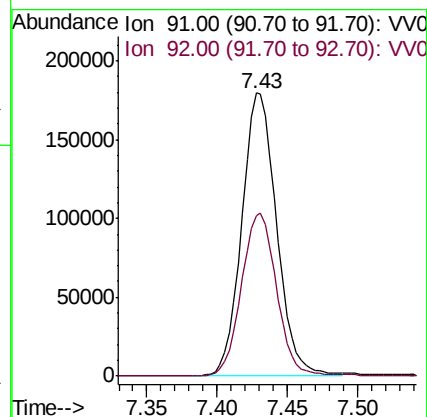
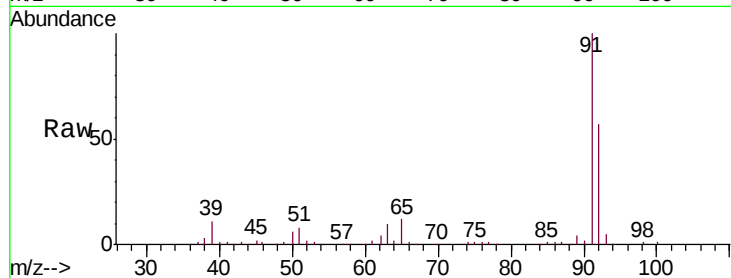
VSTD02572

Tgt Ion: 91 Resp: 311839

Ion Ratio Lower Upper

91 100

92 56.9 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 26.704 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009996.D

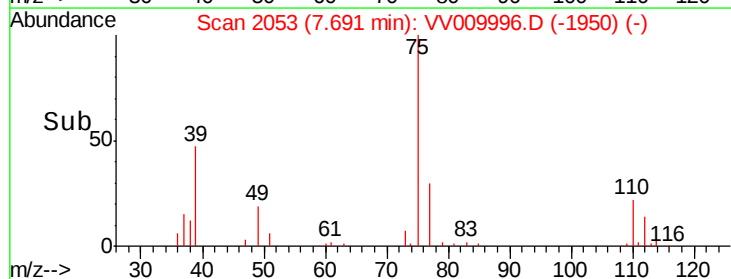
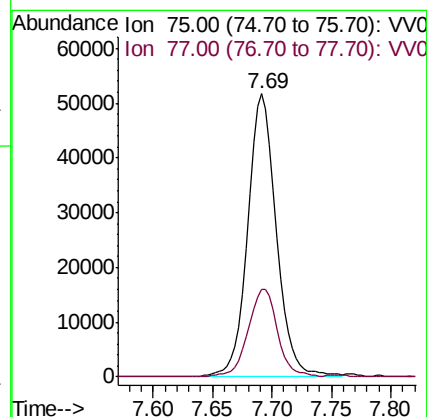
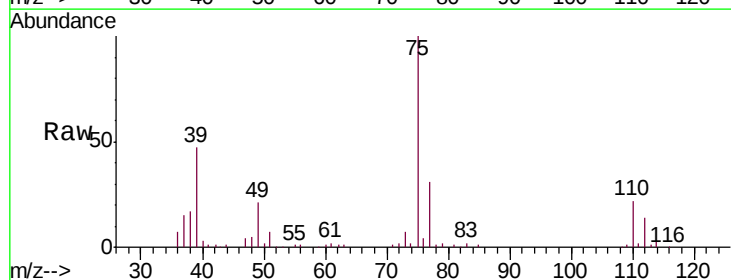
Acq: 29 Mar 2019 11:46

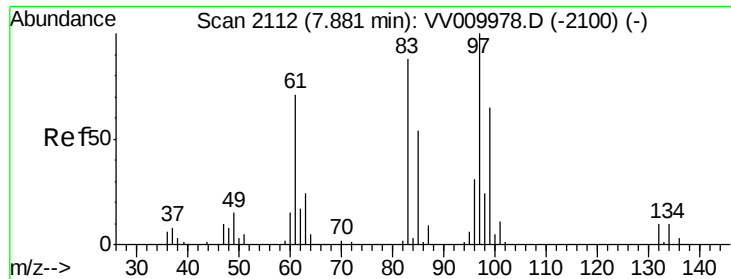
Tgt Ion: 75 Resp: 86427

Ion Ratio Lower Upper

75 100

77 30.8 20.7 38.5

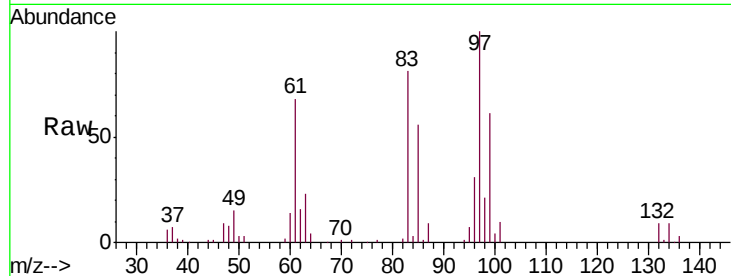




#46
 1,1,2-Trichloroethane
 Concen: 24.523 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Tgt Ion:	97	Resp:	55000
Ion	Ratio	Lower	Upper
97	100		
83	81.3	59.6	110.8
85	56.1	39.2	72.8
99	61.1	42.6	79.2



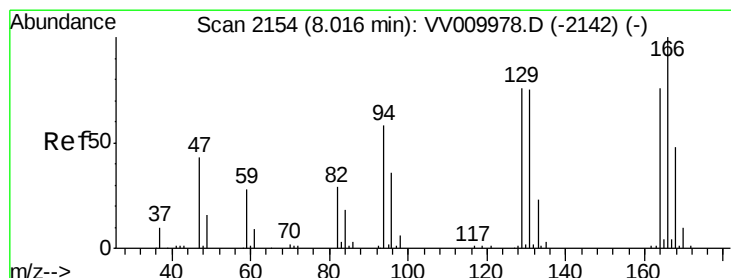
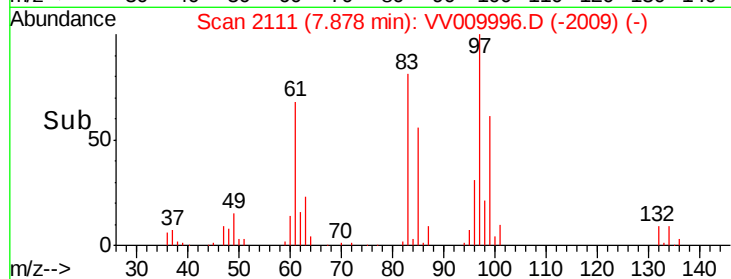
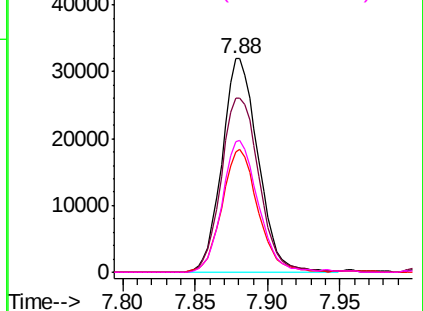
Abundance

Ion 97.00 (96.70 to 97.70): VV009996.D (-2100) (-)

Ion 83.00 (82.70 to 83.70): VV009996.D (-2100) (-)

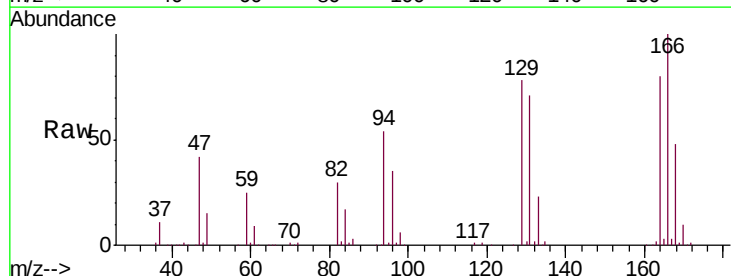
Ion 85.00 (84.70 to 85.70): VV009996.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV009996.D (-2100) (-)



#47
 Tetrachloroethene
 Concen: 27.250 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Tgt Ion:	164	Resp:	61553
Ion	Ratio	Lower	Upper
164	100		
129	97.0	64.9	120.5
131	89.0	62.0	115.2
166	125.2	82.9	153.9



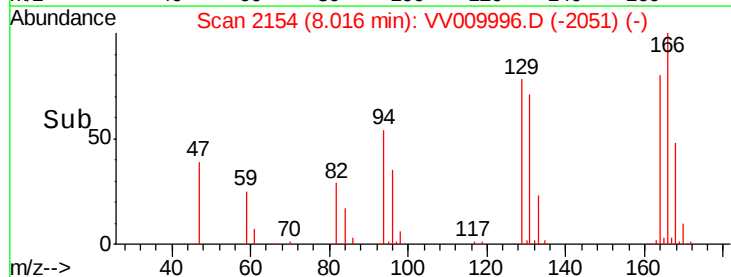
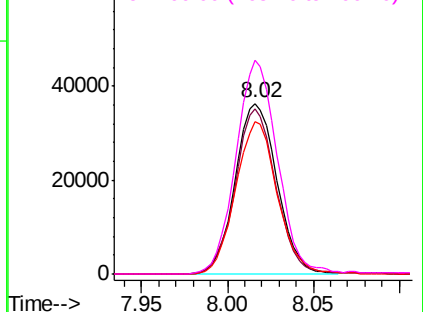
Abundance

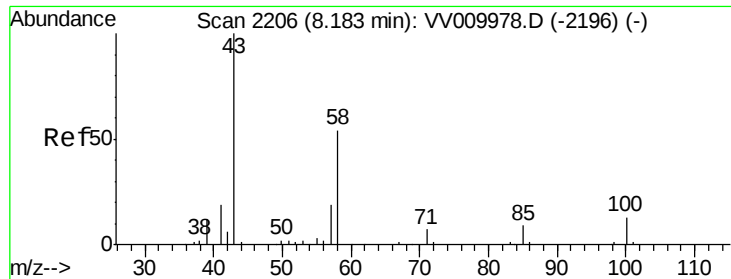
Ion 164.00 (163.70 to 164.70): VV009996.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV009996.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV009996.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV009996.D (-2142) (-)

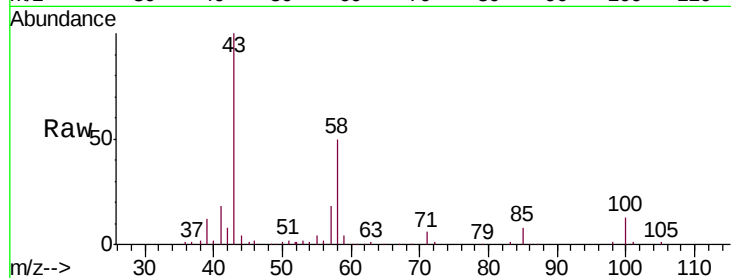




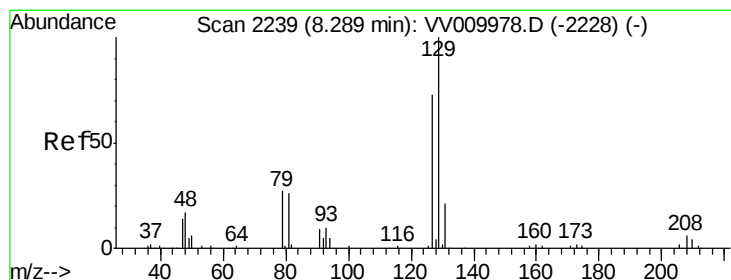
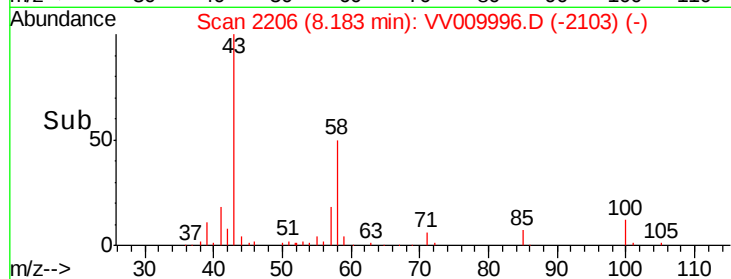
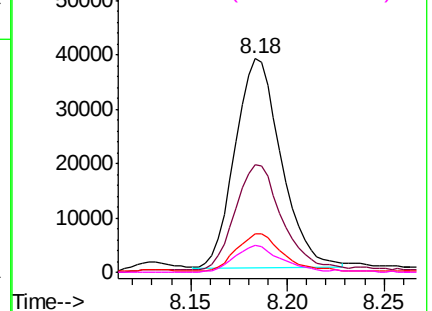
#49
2-Hexanone
Concen: 48.917 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

Tgt Ion: 43 Resp: 63978
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 18.6 12.9 19.3
100 12.8 9.1 13.7

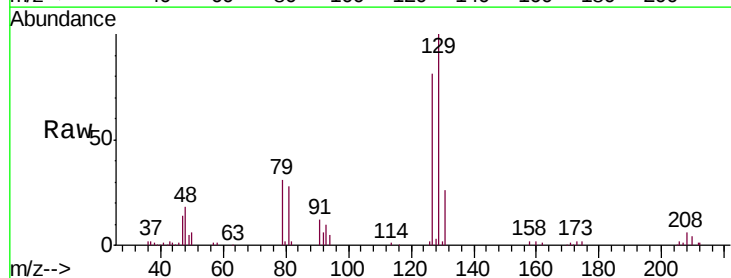


Abundance Ion 43.00 (42.70 to 43.70): VV009996.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV009996.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV009996.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV009996.D (-2196) (-)

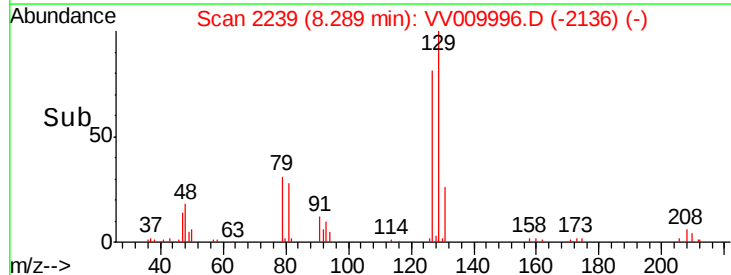
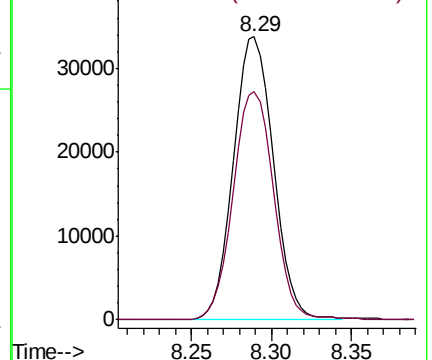


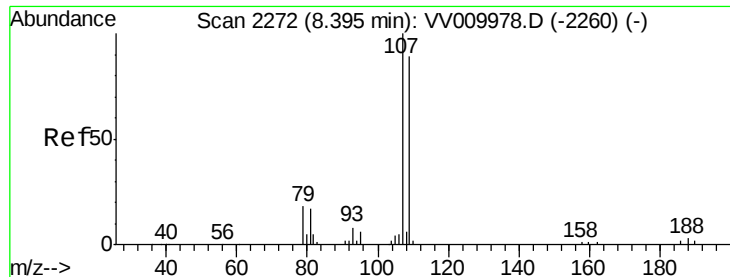
#50
Dibromochloromethane
Concen: 24.813 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 129 Resp: 57703
Ion Ratio Lower Upper
129 100
127 80.6 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): VV009996.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV009996.D (-2228) (-)





#51

1,2-Dibromoethane

Concen: 24.062 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

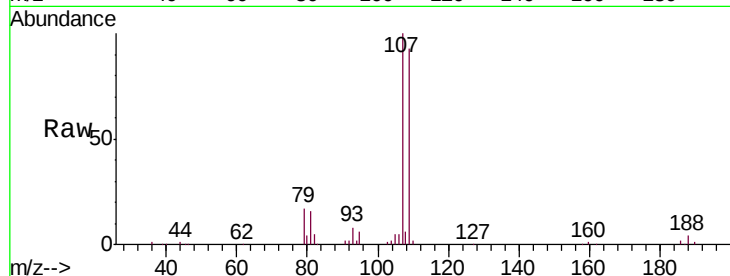
Tgt Ion:107 Resp: 52399

Ion Ratio Lower Upper

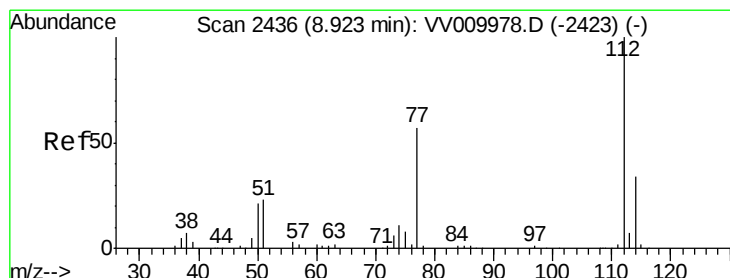
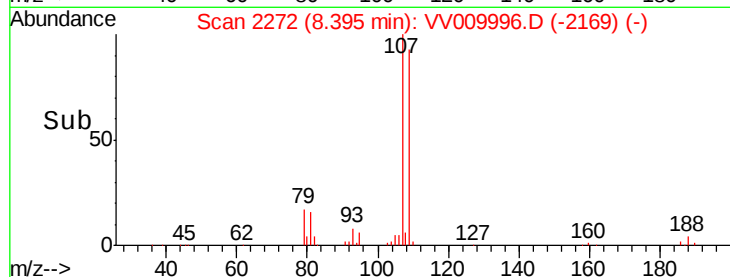
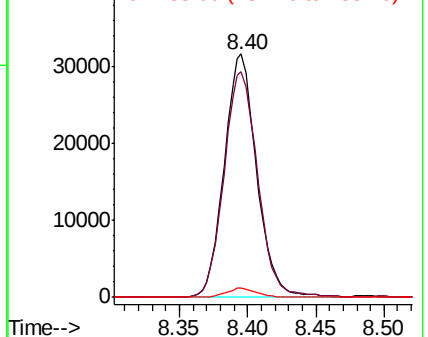
107 100

109 92.5 61.8 114.8

188 3.9 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.369 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

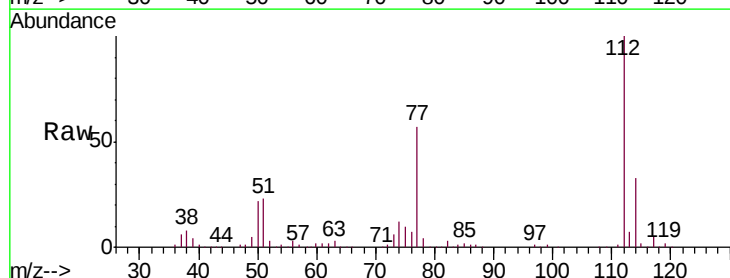
Tgt Ion:112 Resp: 202052

Ion Ratio Lower Upper

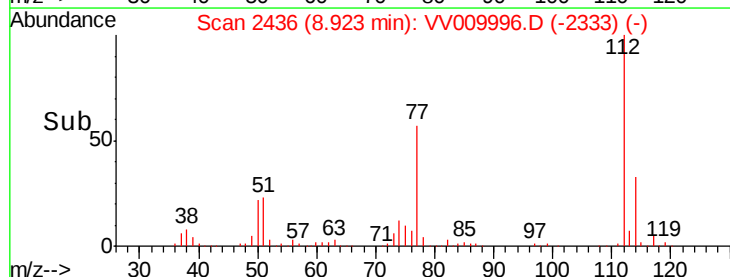
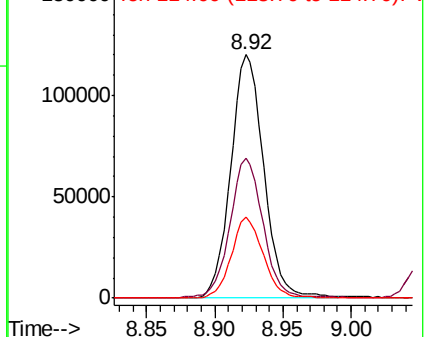
112 100

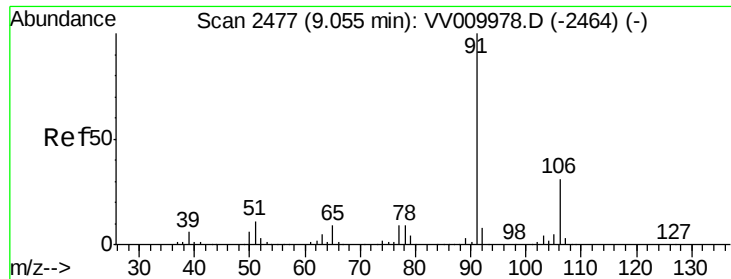
77 57.3 46.8 70.2

114 33.0 22.3 41.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.534 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

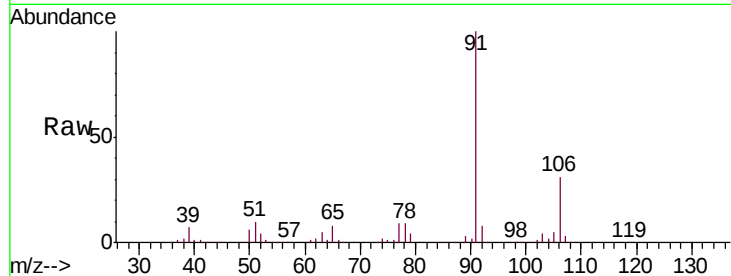
VSTD02572

Tgt Ion: 91 Resp: 350177

Ion Ratio Lower Upper

91 100

106 31.2 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

250000

200000

150000

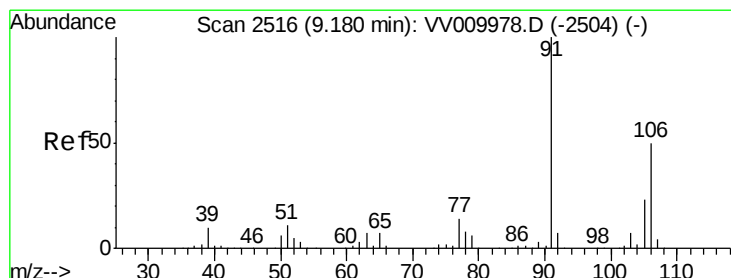
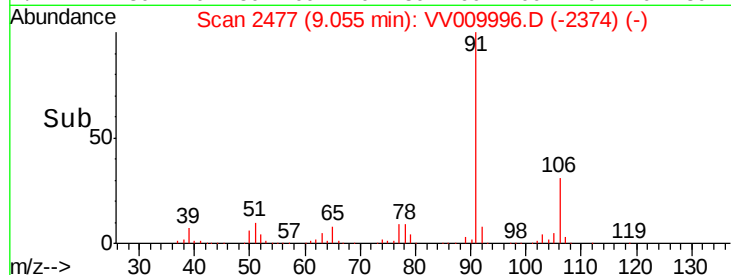
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 26.110 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009996.D

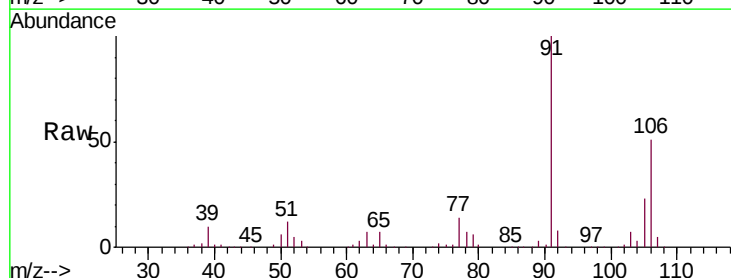
Acq: 29 Mar 2019 11:46

Tgt Ion: 106 Resp: 135336

Ion Ratio Lower Upper

106 100

91 196.7 130.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

150000

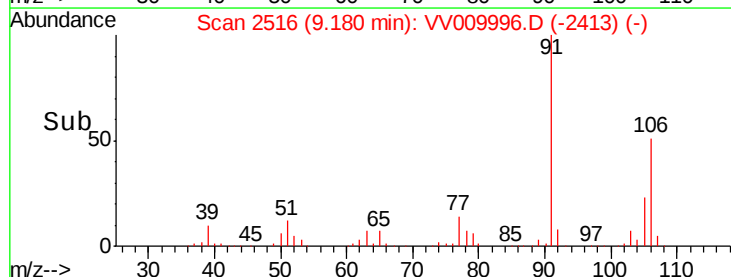
100000

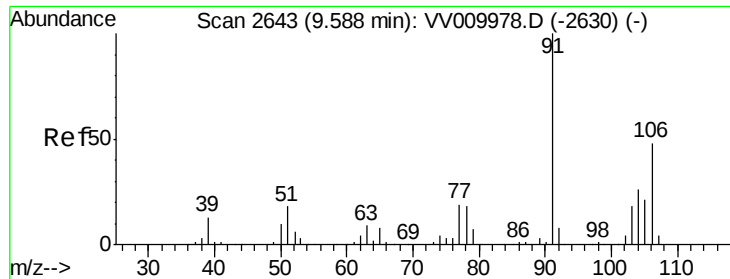
50000

0

9.10 9.20 9.30

Time-->

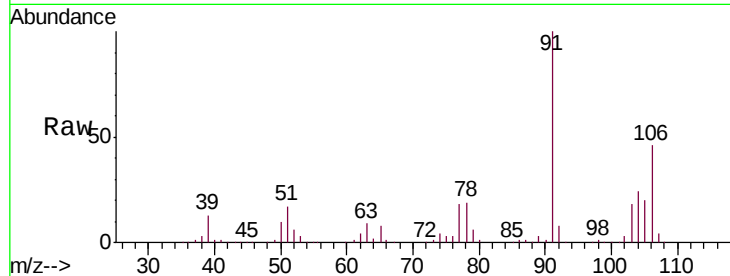




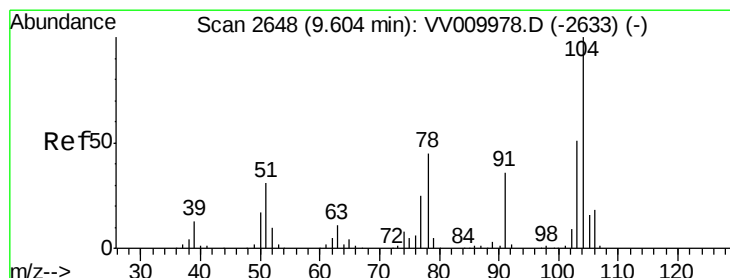
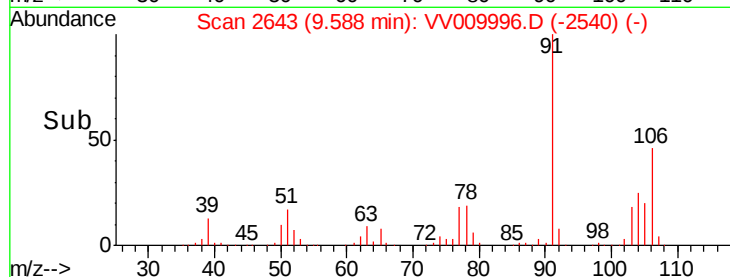
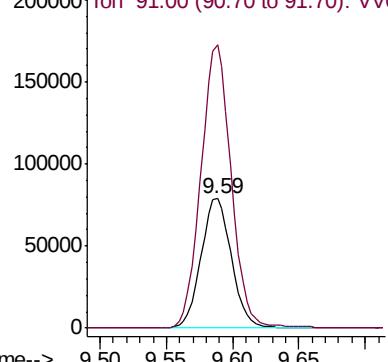
#55
o-xylene
Concen: 25.161 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

Tgt Ion:106 Resp: 126592
Ion Ratio Lower Upper
106 100
91 218.2 144.3 268.1

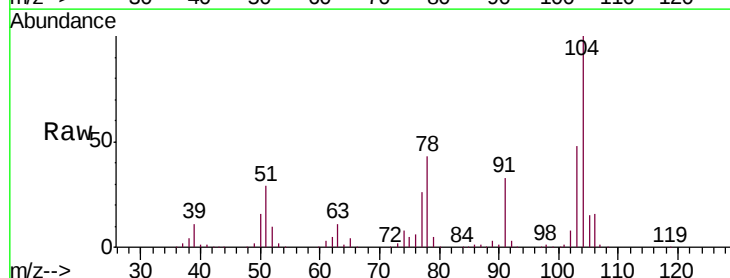


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

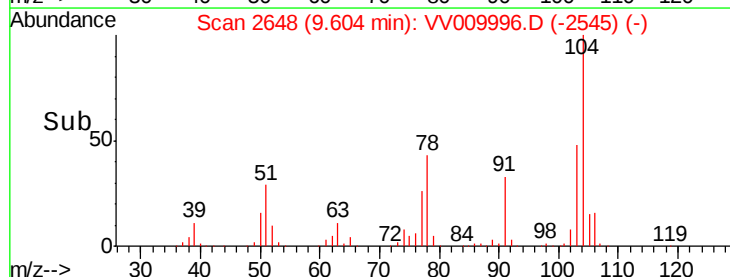
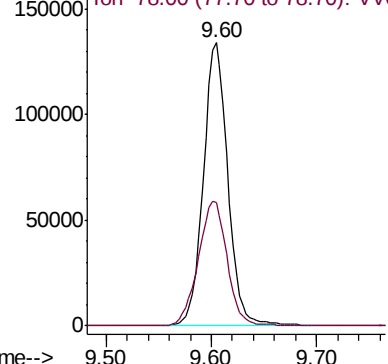


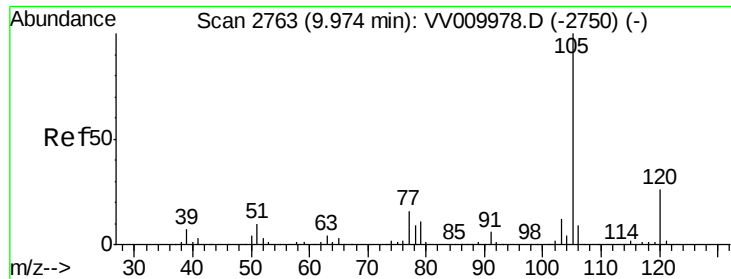
#56
Styrene
Concen: 24.930 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009996.D
Acq: 29 Mar 2019 11:46

Tgt Ion:104 Resp: 215441
Ion Ratio Lower Upper
104 100
78 43.4 29.3 54.3



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





#57

Isopropylbenzene

Concen: 26.742 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

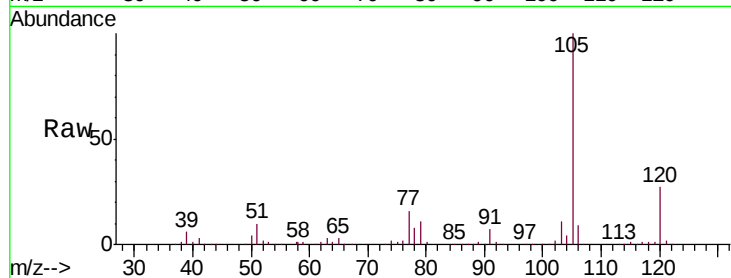
Tgt Ion: 105 Resp: 349038

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

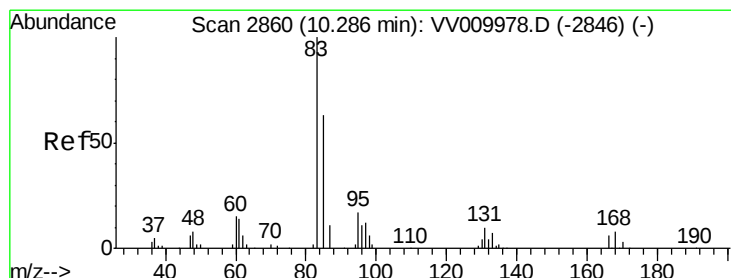
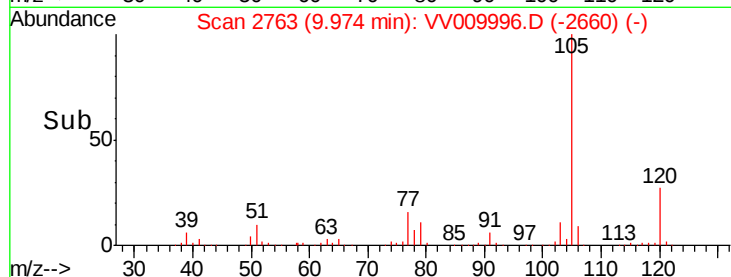
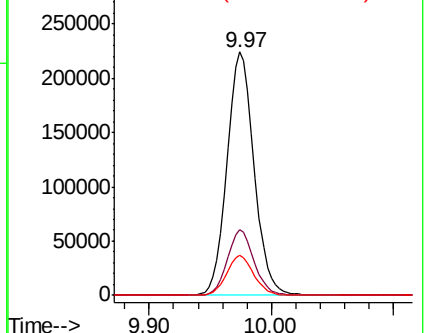
77 16.5 13.0 19.4



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: 23.180 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

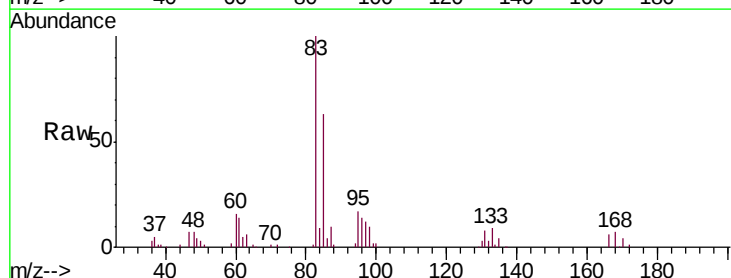
Tgt Ion: 83 Resp: 70075

Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.0

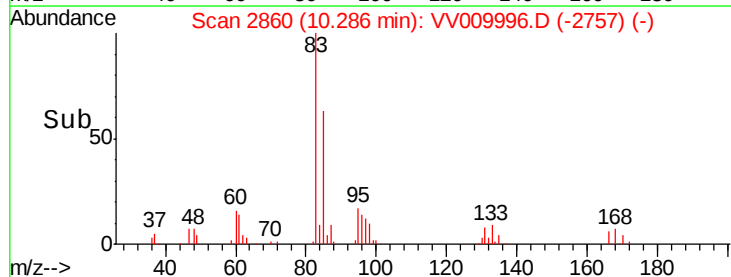
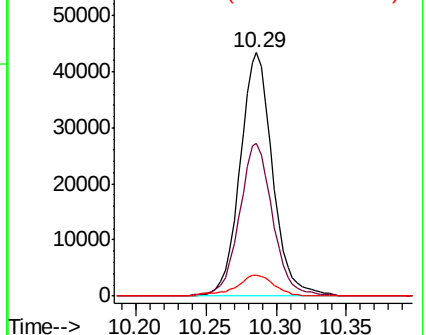
131 8.4 6.2 9.4

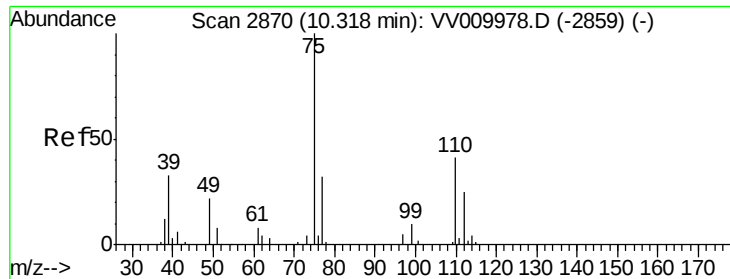


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.556 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

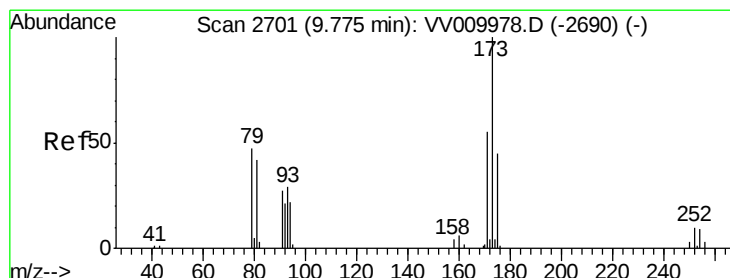
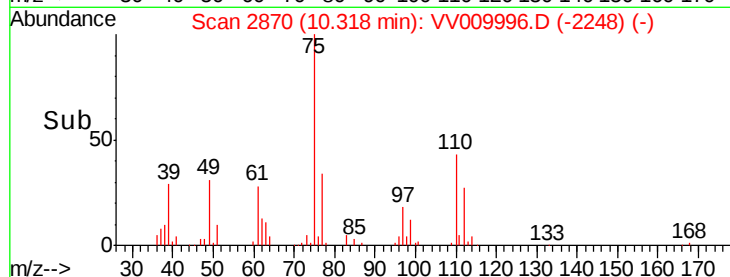
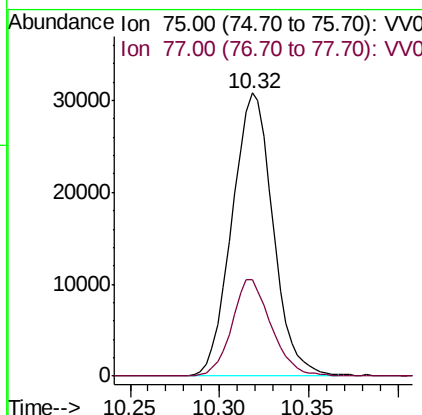
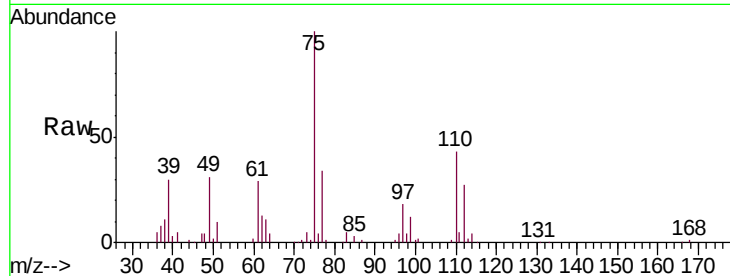
VSTD02572

Tgt Ion: 75 Resp: 49213

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2



#62

Bromoform

Concen: 24.952 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

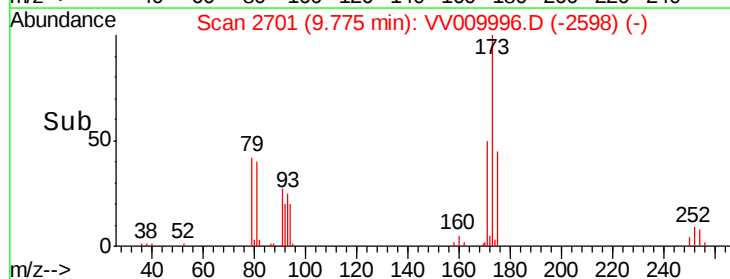
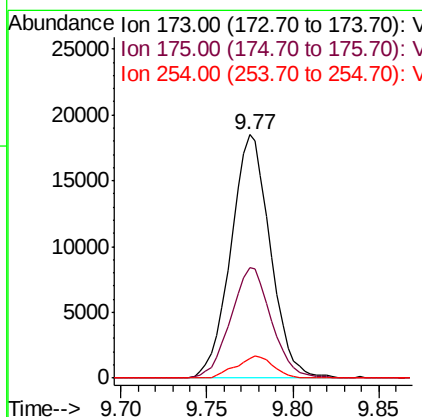
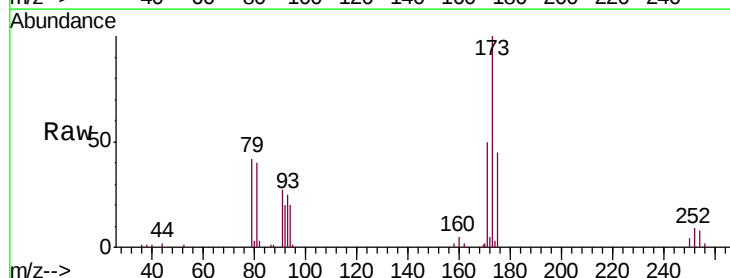
Tgt Ion: 173 Resp: 29558

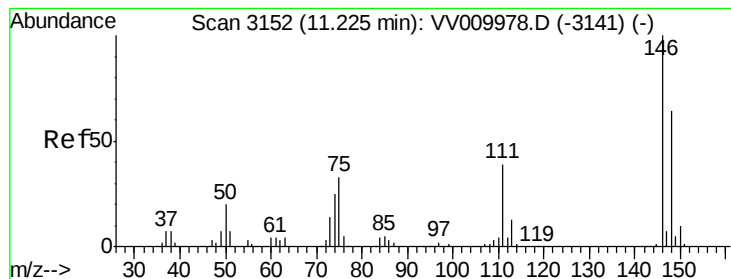
Ion Ratio Lower Upper

173 100

175 46.6 37.8 56.8

254 8.4 6.6 9.8





#63

1,3-Dichlorobenzene

Concen: 25.608 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

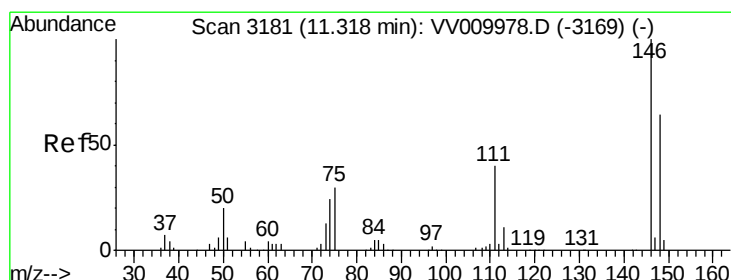
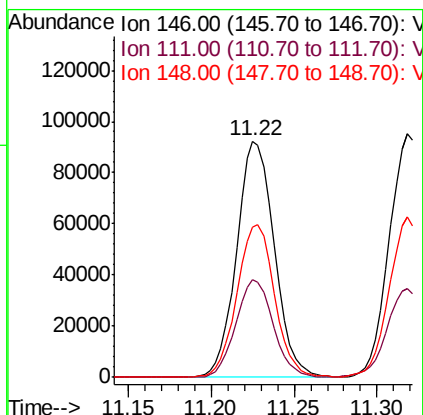
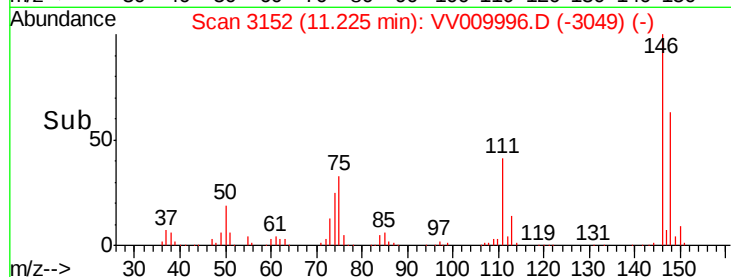
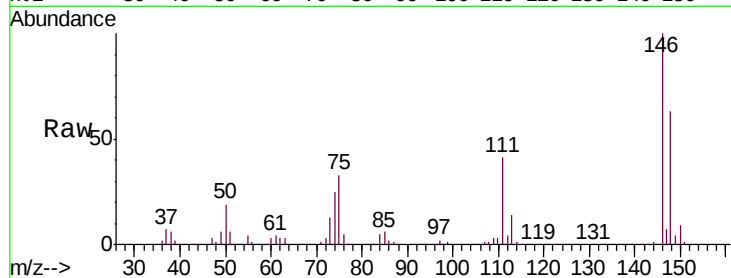
Tgt Ion:146 Resp: 145867

Ion Ratio Lower Upper

146 100

111 41.3 28.5 52.9

148 63.3 45.0 83.6



#64

1,4-Dichlorobenzene

Concen: 24.333 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

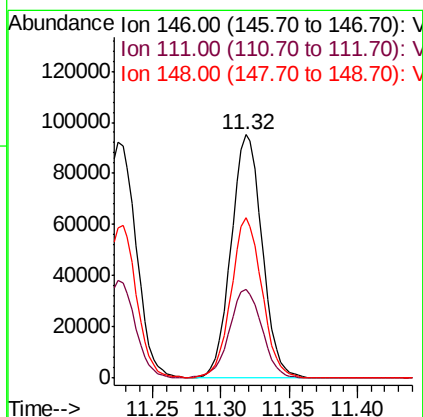
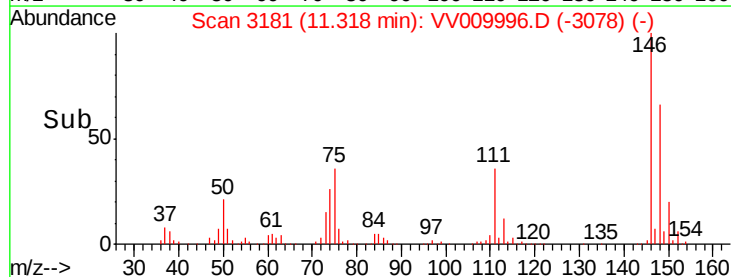
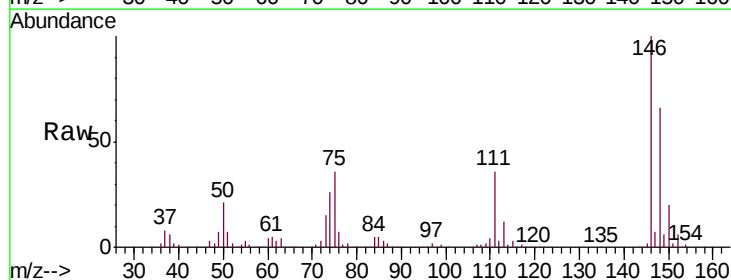
Tgt Ion:146 Resp: 150632

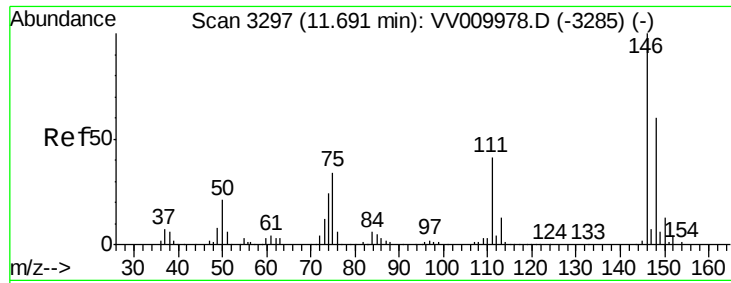
Ion Ratio Lower Upper

146 100

111 36.4 25.4 47.2

148 65.7 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 24.994 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

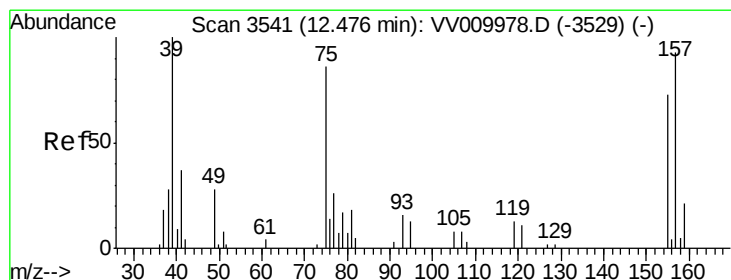
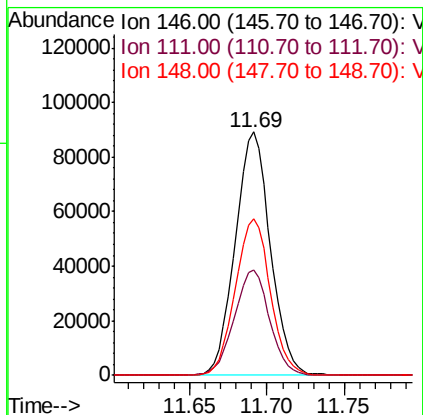
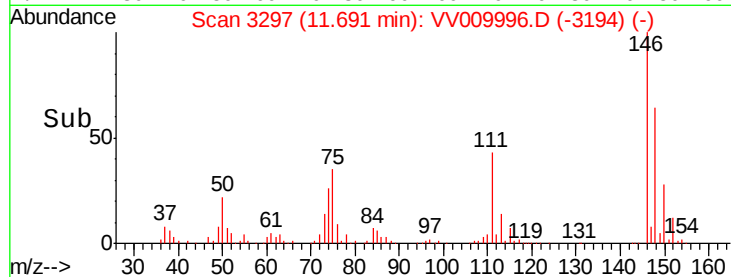
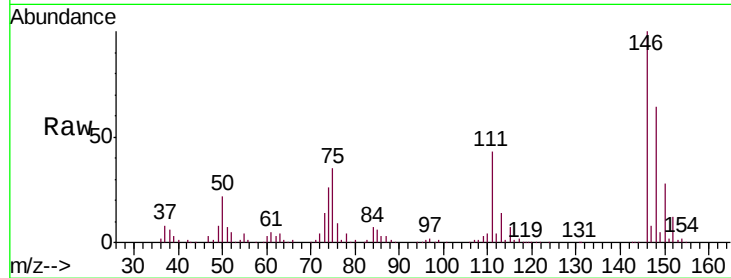
Tgt Ion: 146 Resp: 140505

Ion Ratio Lower Upper

146 100

111 43.4 32.7 49.1

148 64.4 50.5 75.7



#66

1,2-Dibromo-3-chloropropane

Concen: 21.636 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

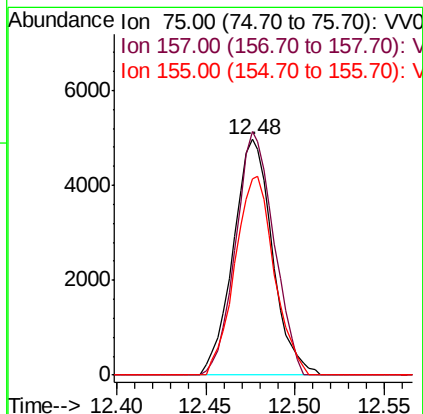
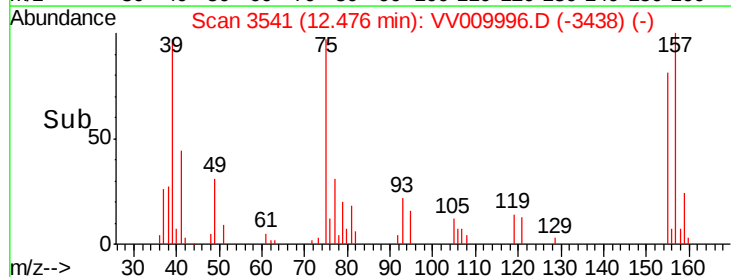
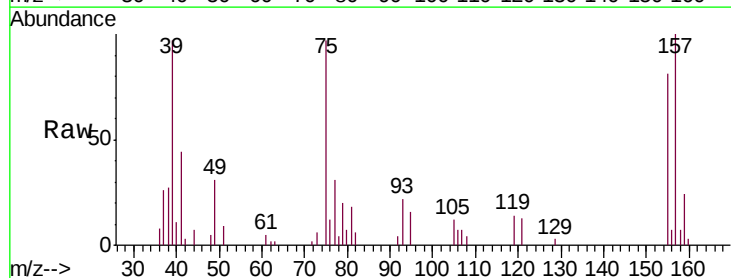
Tgt Ion: 75 Resp: 7602

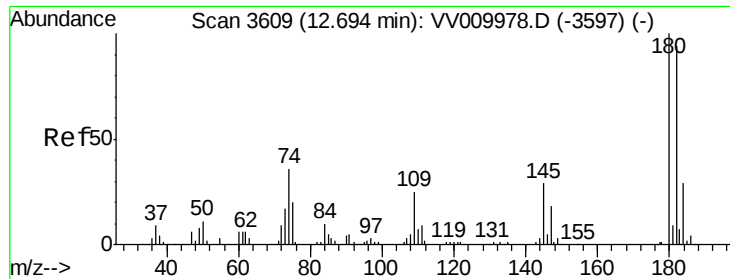
Ion Ratio Lower Upper

75 100

157 103.3 89.2 133.8

155 83.4 68.6 102.8

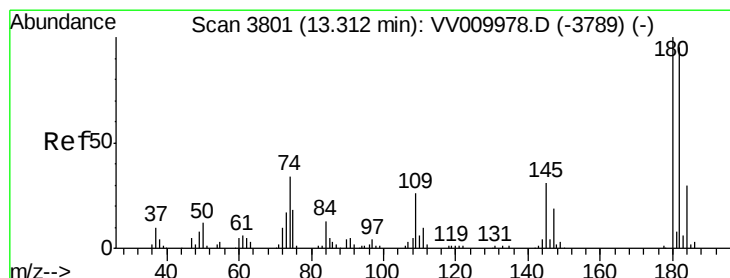
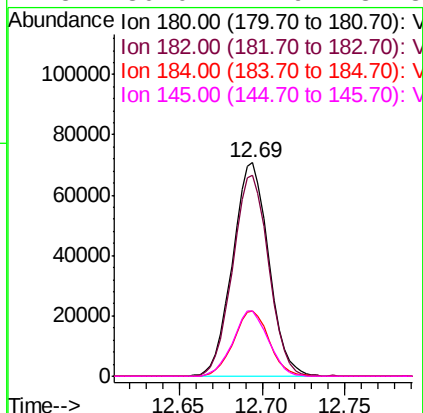
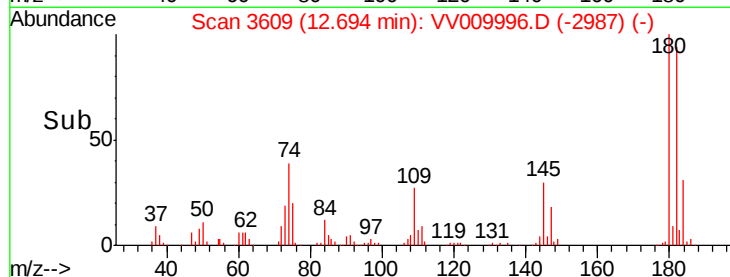
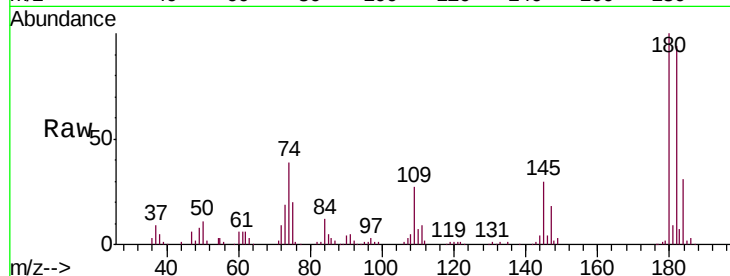




#67
 1,3,5-Trichlorobenzene
 Concen: 26.449 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

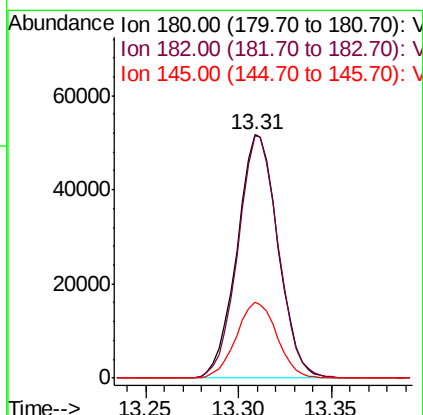
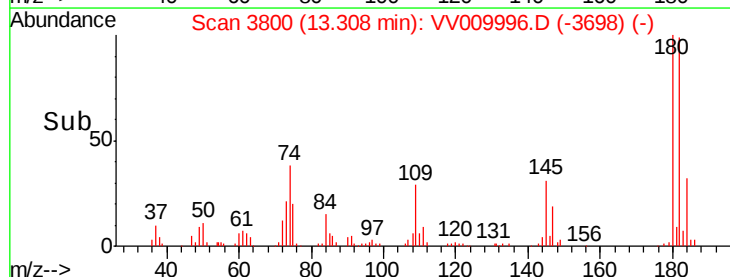
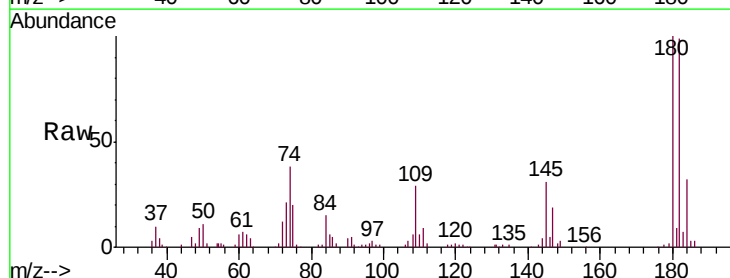
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

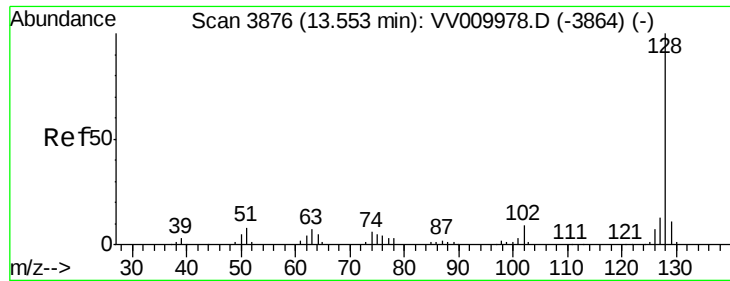
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	78.4	117.6
184	30.1	24.3	36.5
145	30.0	24.9	37.3



#68
 1,2,4-trichlorobenzene
 Concen: 26.495 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009996.D
 Acq: 29 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.5	113.3
145	31.1	23.2	34.8





#69

Naphthalene

Concen: 25.841 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

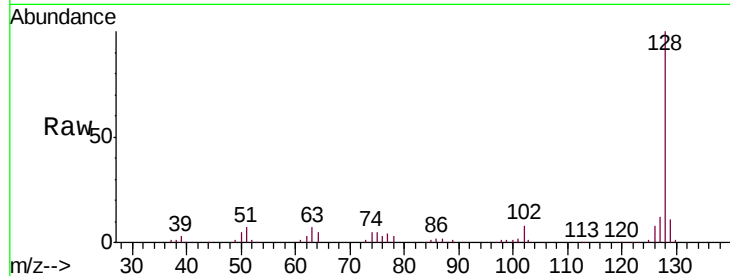
Tgt Ion:128 Resp: 128179

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

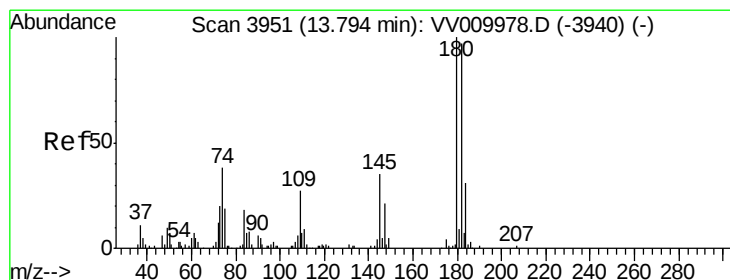
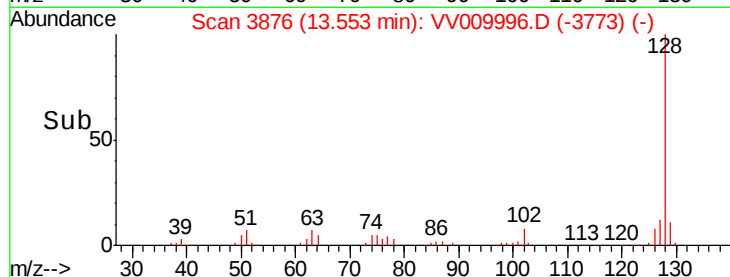
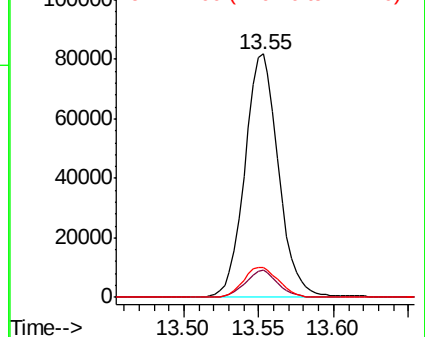
127 12.9 11.4 17.2



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: 27.531 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009996.D

Acq: 29 Mar 2019 11:46

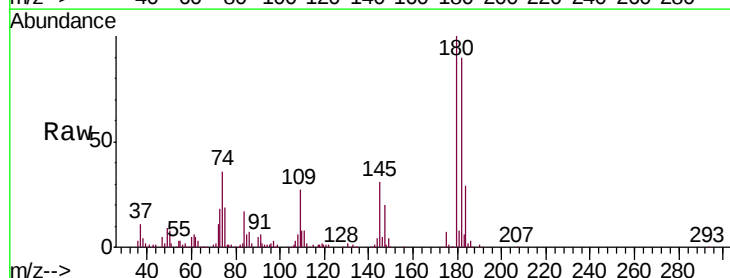
Tgt Ion:180 Resp: 78114

Ion Ratio Lower Upper

180 100

182 90.8 77.1 115.7

145 31.8 26.3 39.5



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

