

Data File : VV012156.D
Acq On : 09 Aug 2019 16:28
Operator : SY/MD
Sample : VSTD00564
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Quant Time: Aug 10 04:50:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	318344	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	292265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	149228	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5830	2.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	3651	1.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	10695	1.31	ug/L	0.00
21) 2-Butanone-d5	3.94	46	5051	3.95	ug/L	0.01
24) Chloroform-d	4.40	84	12797	3.13	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	7031	2.60	ug/L	0.00
32) Benzene-d6	5.10	84	22382	3.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6430	2.92	ug/L	0.00
41) Toluene-d8	7.36	98	21787	3.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3418	3.31	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	4190	4.67	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	8337	2.35	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	9828	3.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12675	4.519 ug/L	99
3) Chloromethane	1.25	50	7932	2.824 ug/L	99
5) Vinyl chloride	1.32	62	7311	1.979 ug/L	93
6) Bromomethane	1.53	94	4590	1.501 ug/L	85
8) Chloroethane	1.60	64	4063	1.439 ug/L	98
9) Trichlorofluoromethane	1.77	101	13826	1.775 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6227	1.471 ug/L	93
12) 1,1-Dichloroethene	2.14	96	5429	1.444 ug/L	94
13) Acetone	2.18	43	8586	5.252 ug/L	86
14) Carbon disulfide	2.32	76	20372	3.628 ug/L	99
15) Methyl Acetate	2.46	43	7285	3.352 ug/L	95
16) Methylene chloride	2.53	84	8783	3.673 ug/L	92
17) trans-1,2-Dichloroethene	2.79	96	7978	3.576 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	25122	3.712 ug/L	97
19) 1,1-Dichloroethane	3.23	63	14709	3.654 ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	8843	3.552 ug/L	86
22) 2-Butanone	4.02	43	9836	6.008 ug/L	89
23) Bromochloromethane	4.30	128	4842	3.815 ug/L	94
25) Chloroform	4.42	83	16497	3.748 ug/L	100
27) 1,2-Dichloroethane	5.18	62	12668	3.537 ug/L	99
29) Cyclohexane	4.72	56	11252	3.550 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	14911	4.483 ug/L	100
31) Carbon tetrachloride	4.88	117	13752	4.703 ug/L	99
33) Benzene	5.14	78	31735	3.737 ug/L	100
34) Trichloroethene	5.96	95	8526	3.972 ug/L	95
35) Methylcyclohexane	6.18	83	13782	3.903 ug/L	96
37) 1,2-Dichloropropane	6.22	63	7793	3.601 ug/L	98
38) Bromodichloromethane	6.55	83	11779	4.184 ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	12077	3.802 ug/L	91
40) 4-Methyl-2-pentanone	7.27	43	17949	6.170 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	33819	3.504	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	10520	3.546	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	8454	3.925	ug/L	98
46) Tetrachloroethene	8.02	164	8306	4.591	ug/L	86
48) 2-Hexanone	8.18	43	13207	6.075	ug/L	98
49) Dibromochloromethane	8.29	129	10412	4.412	ug/L	93
50) 1,2-Dibromoethane	8.40	107	9067	3.945	ug/L	100
51) Chlorobenzene	8.92	112	23604	3.660	ug/L	94
52) Ethylbenzene	9.05	91	36580	3.357	ug/L	97
53) m,p-Xylene	9.18	106	15199	3.572	ug/L	97
54) o-xylene	9.59	106	14674	3.395	ug/L	98
55) Styrene	9.60	104	23198	3.231	ug/L	96
56) Isopropylbenzene	9.97	105	38558	3.474	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	12379	3.245	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	10611	3.640	ug/L	96
61) Bromoform	9.77	173	8427	4.741	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	19367	3.765	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	19546	3.670	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	18869	3.499	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	2900	4.078	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	15297	4.293	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	11331	3.923	ug/L	99
69) Naphthalene	13.55	128	27162	3.529	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	12418	4.245	ug/L	97

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

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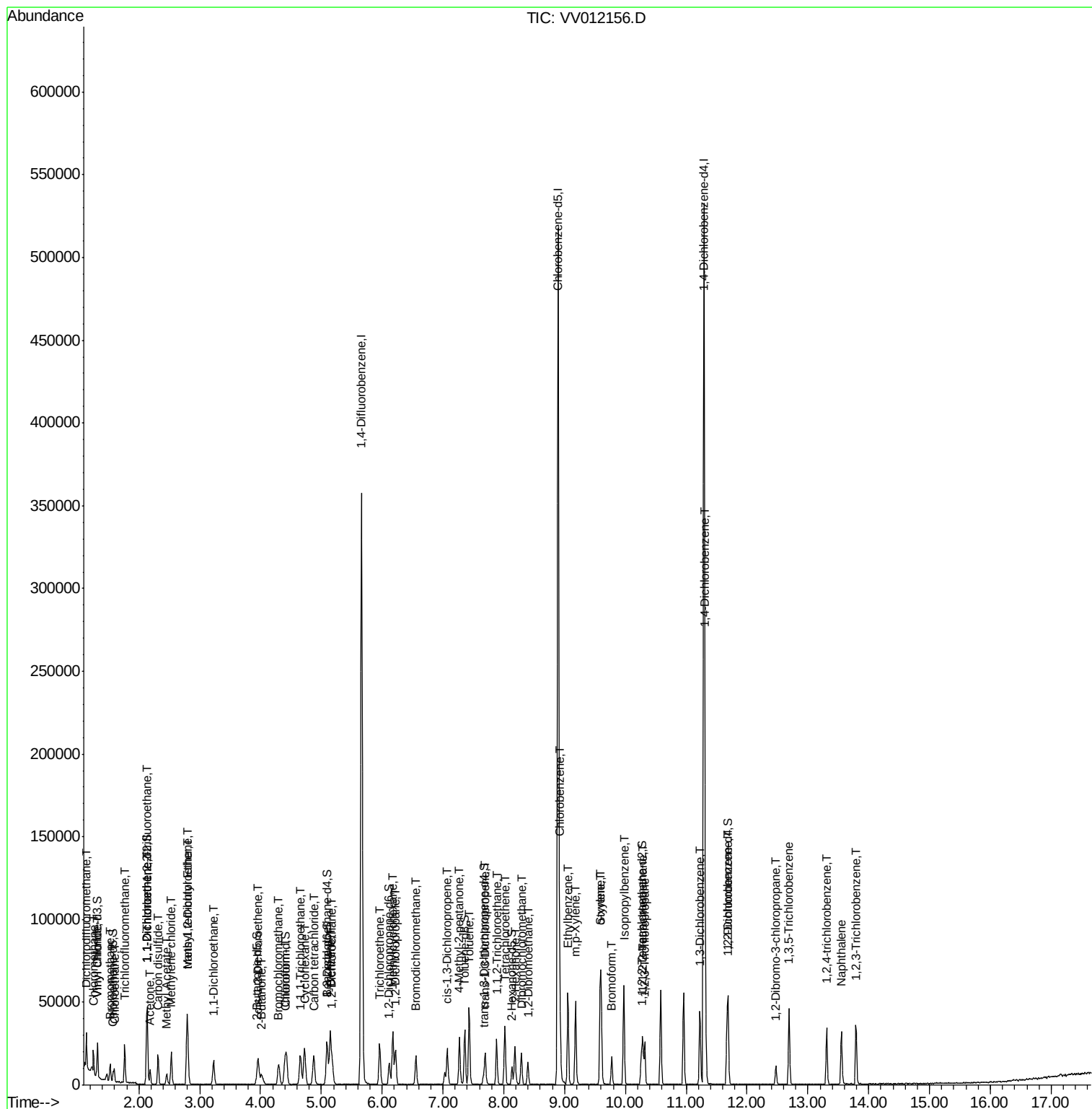
Quant Time: Aug 10 04:50:42 2019

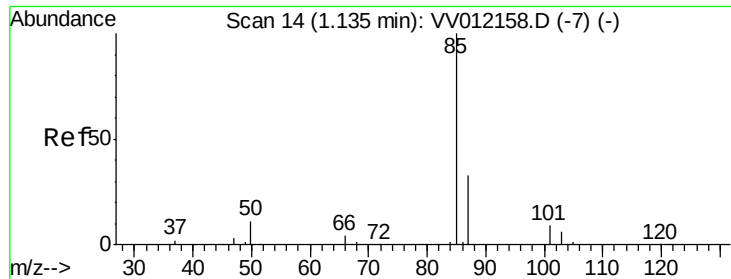
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM081019WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Aug 10 04:48:14 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.519 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

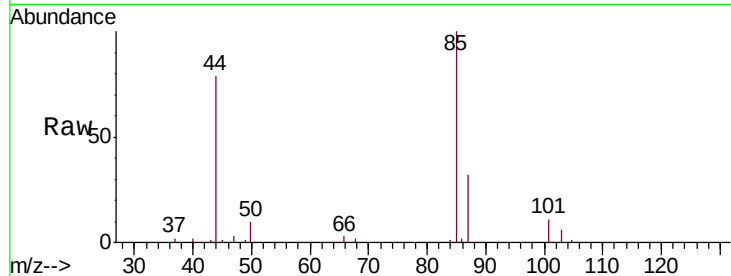
VSTD00564

Tgt Ion: 85 Resp: 12675

Ion Ratio Lower Upper

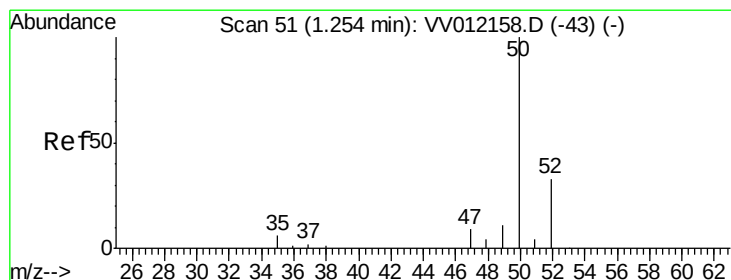
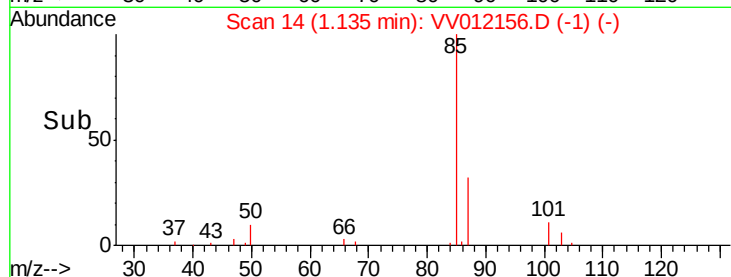
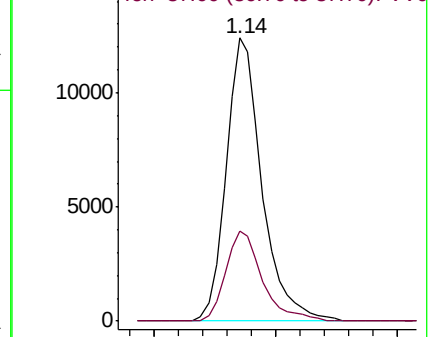
85 100

87 32.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.824 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012156.D

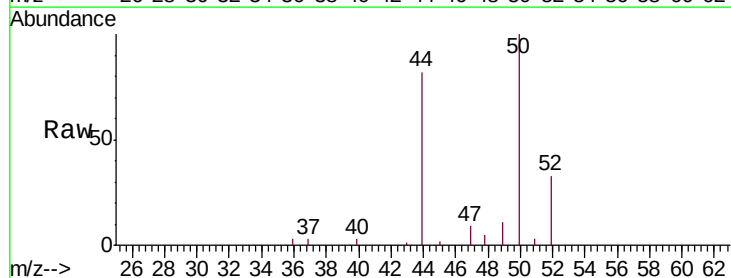
Acq: 09 Aug 2019 16:28

Tgt Ion: 50 Resp: 7932

Ion Ratio Lower Upper

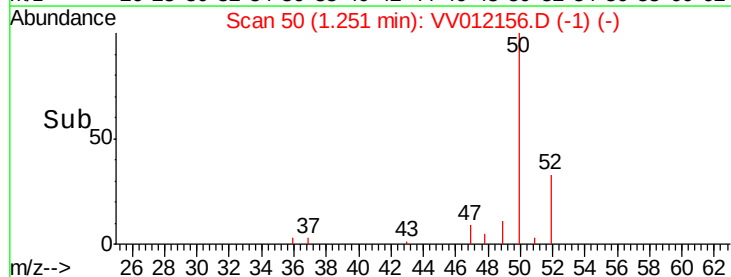
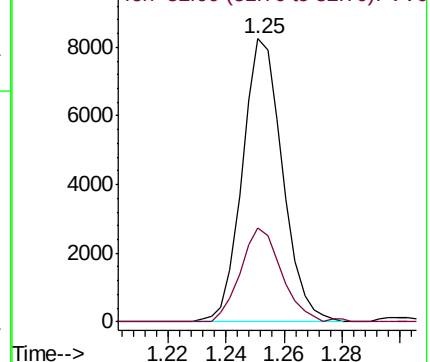
50 100

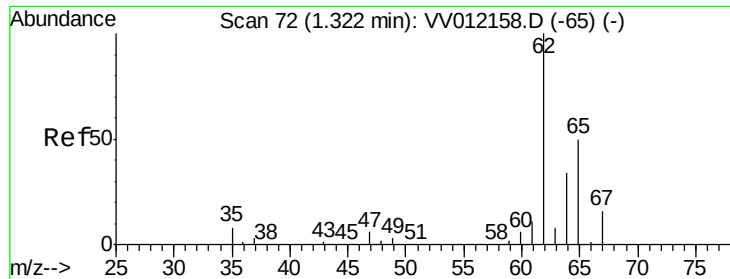
52 33.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 1.979 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

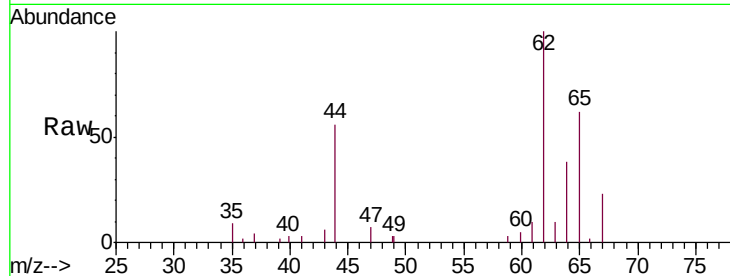
VSTD00564

Tgt Ion: 62 Resp: 7311

Ion Ratio Lower Upper

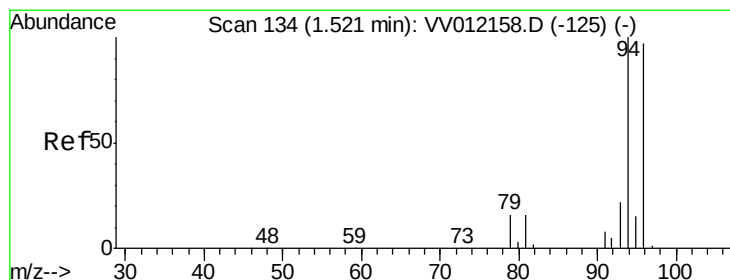
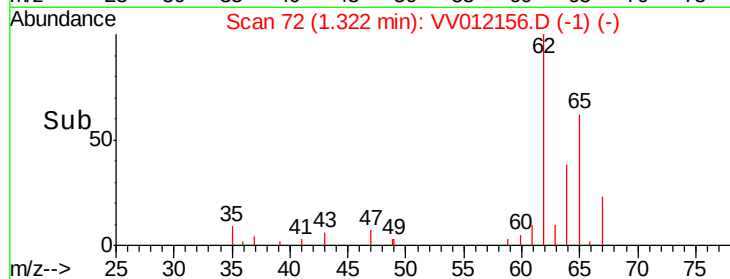
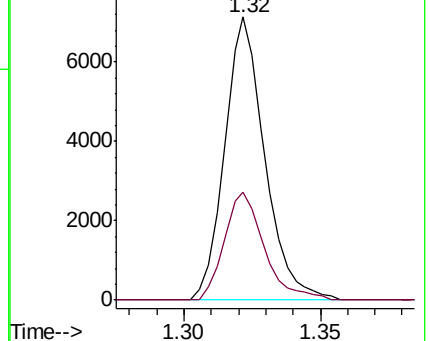
62 100

64 38.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.501 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.01 min

Lab File: VV012156.D

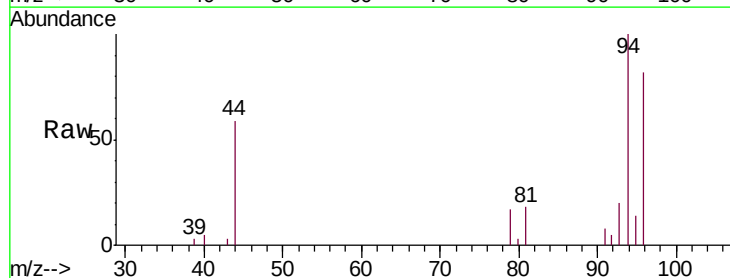
Acq: 09 Aug 2019 16:28

Tgt Ion: 94 Resp: 4590

Ion Ratio Lower Upper

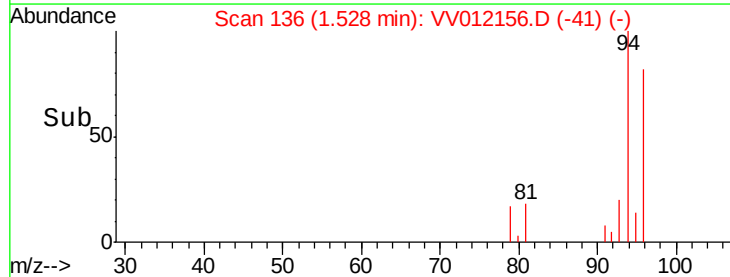
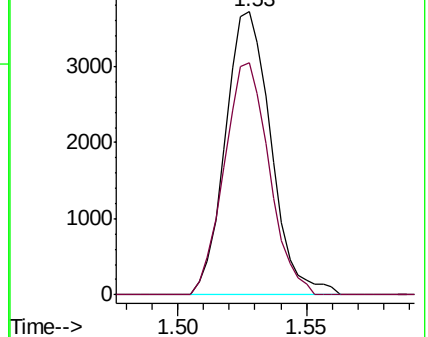
94 100

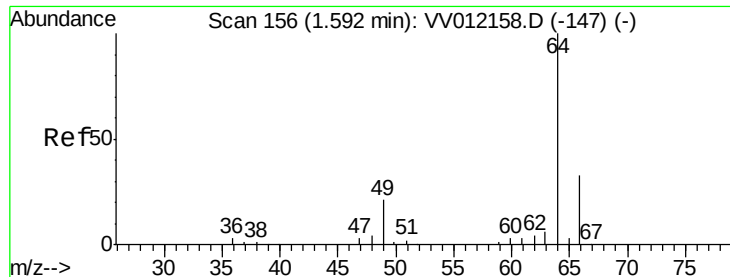
96 82.1 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.439 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

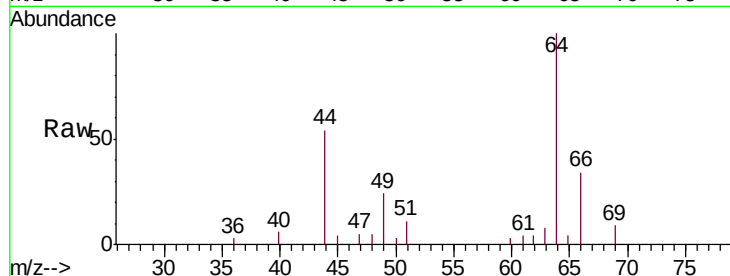
VSTD00564

Tgt Ion: 64 Resp: 4063

Ion Ratio Lower Upper

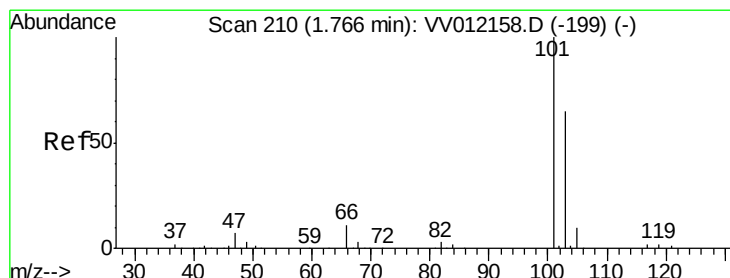
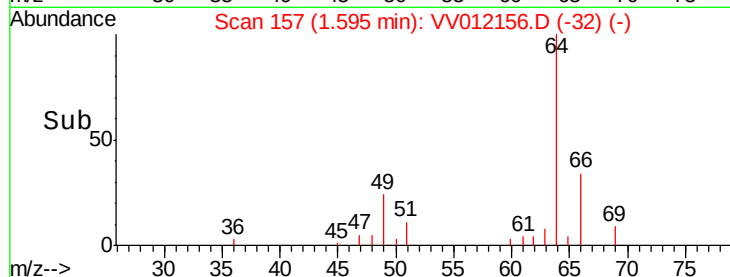
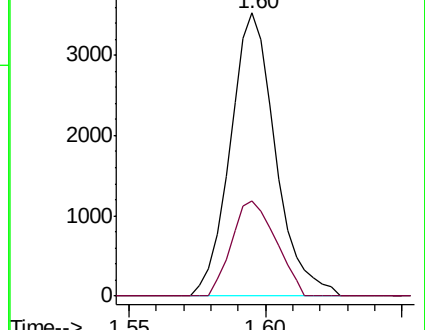
64 100

66 33.8 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV012156.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV012156.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 1.775 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012156.D

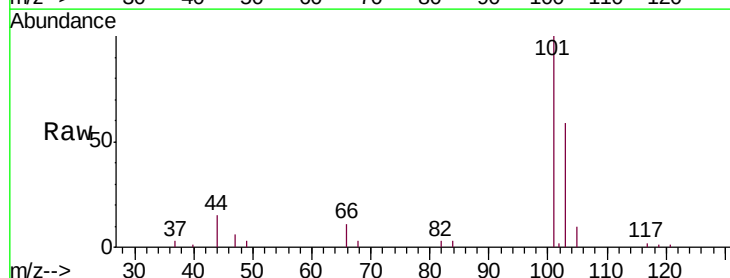
Acq: 09 Aug 2019 16:28

Tgt Ion: 101 Resp: 13826

Ion Ratio Lower Upper

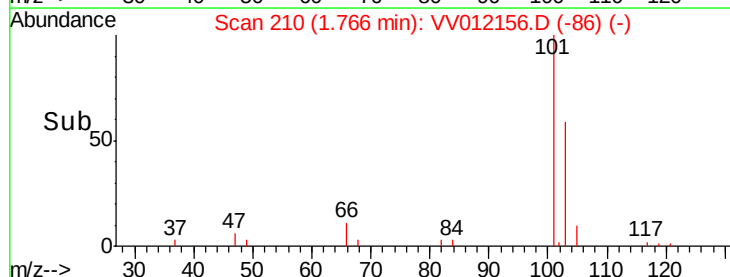
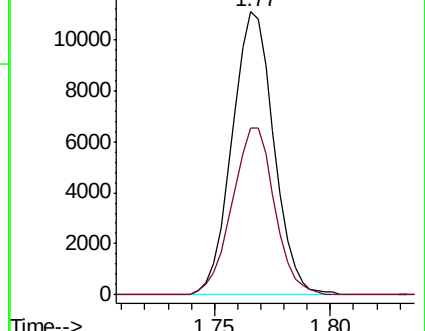
101 100

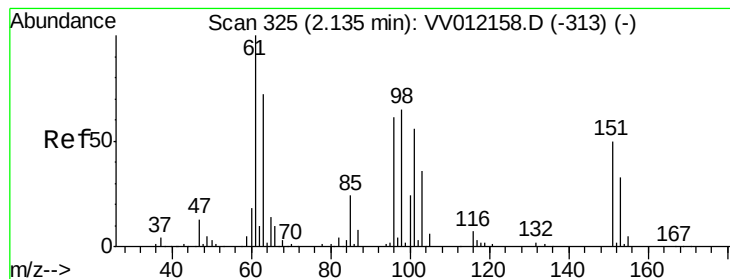
103 60.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012156.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012156.D (-199) (-)





#10

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

Concen: 1.471 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

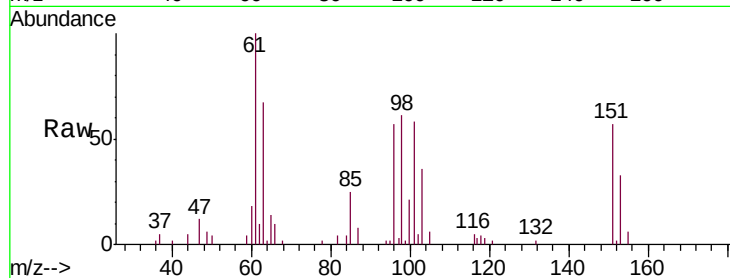
Tgt Ion: 101 Resp: 6227

Ion Ratio Lower Upper

101 100

85 44.9 33.6 50.4

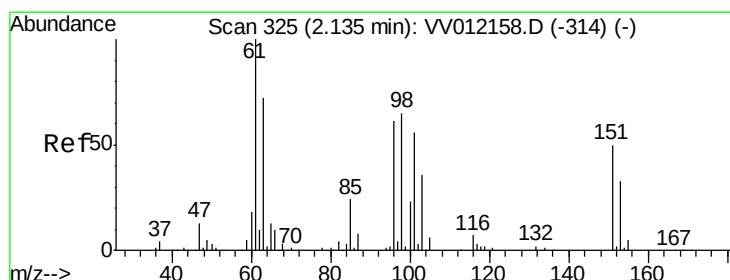
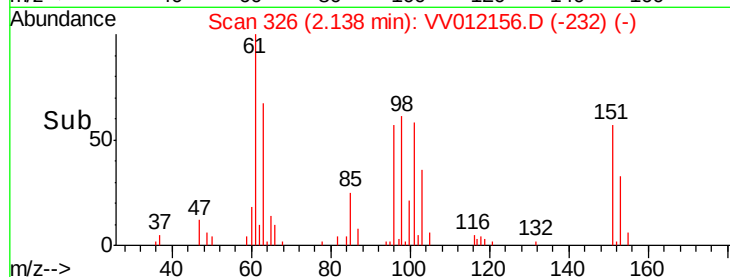
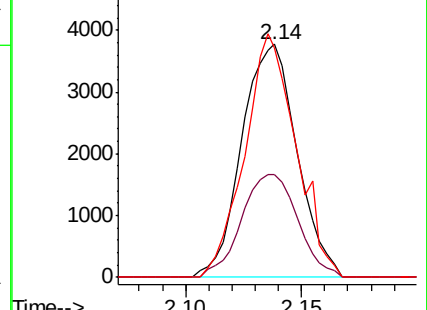
151 97.3 71.8 107.8



Abundance Ion 101.00 (100.70 to 101.70): VV012156.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV012156.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV012156.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 1.444 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

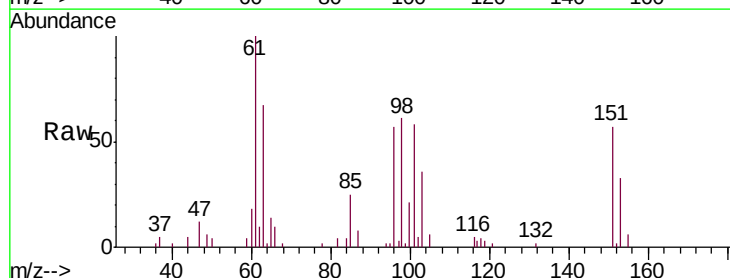
Tgt Ion: 96 Resp: 5429

Ion Ratio Lower Upper

96 100

61 176.8 115.1 213.8

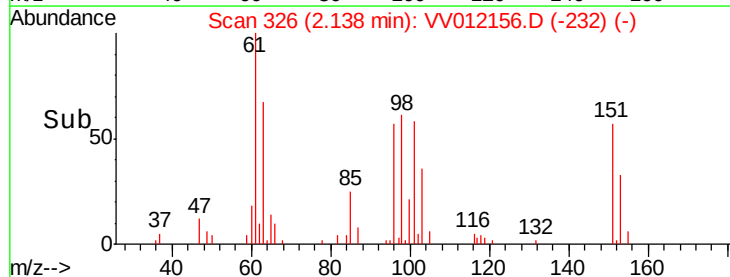
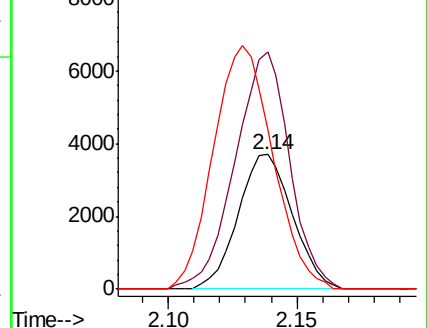
63 118.1 83.9 155.7

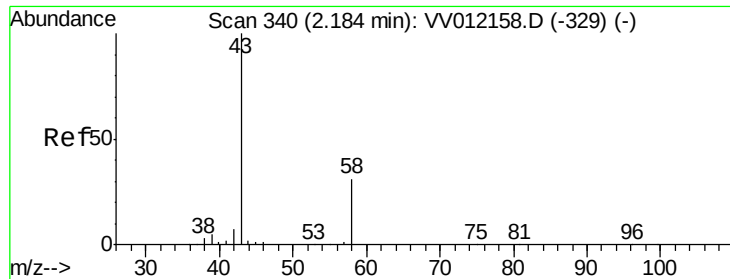


Abundance Ion 96.00 (95.70 to 96.70): VV012156.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV012156.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV012156.D (-232) (-)





#13

Acetone

Concen: 5.252 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

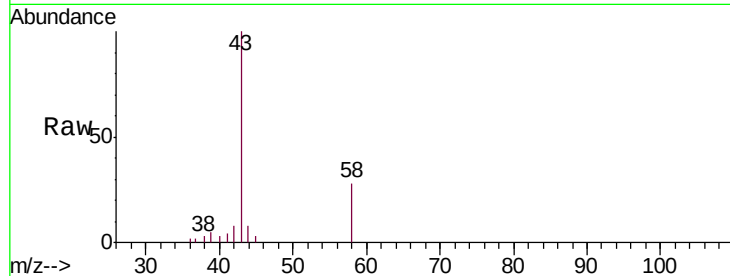
VSTD00564

Tgt Ion: 43 Resp: 8586

Ion Ratio Lower Upper

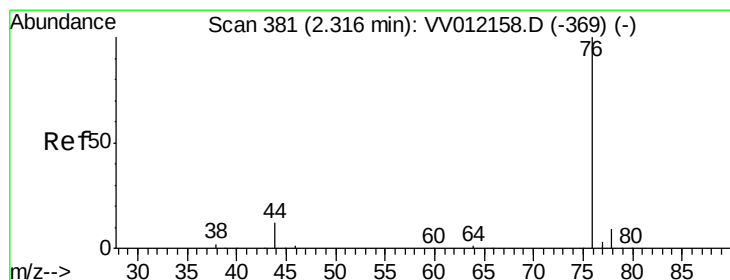
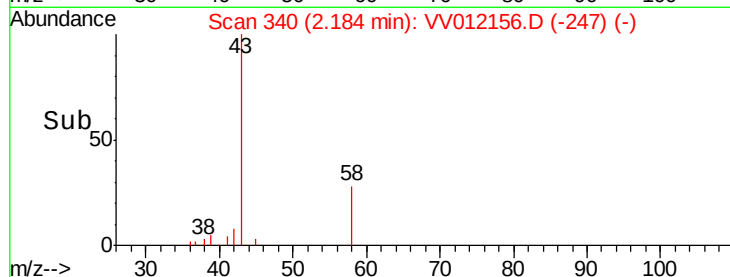
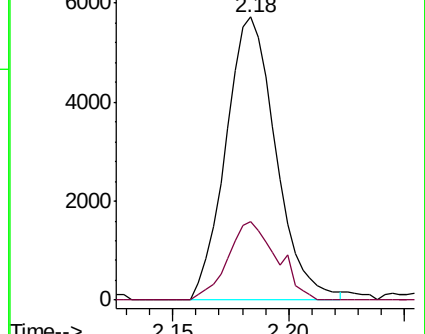
43 100

58 23.8 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV012158.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012158.D (-329) (-)



#14

Carbon disulfide

Concen: 3.628 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012156.D

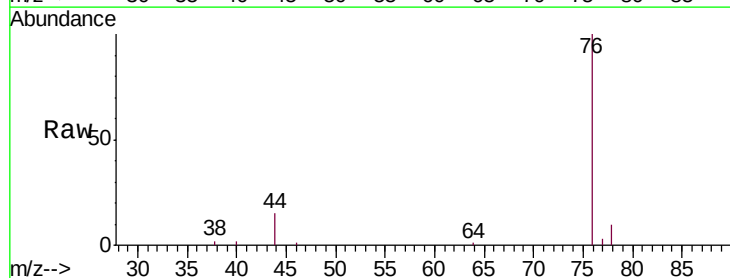
Acq: 09 Aug 2019 16:28

Tgt Ion: 76 Resp: 20372

Ion Ratio Lower Upper

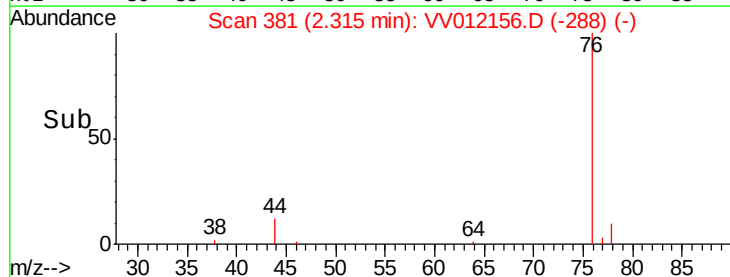
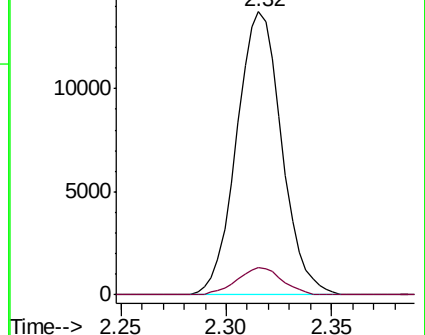
76 100

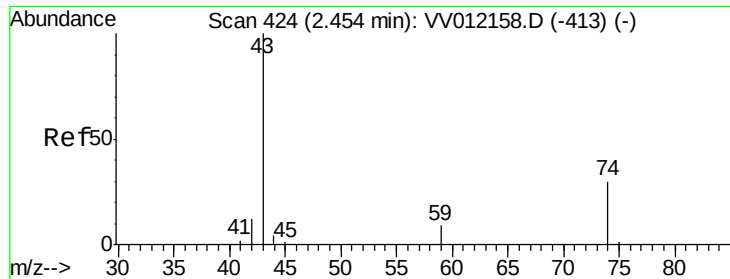
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV012158.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012158.D (-369) (-)

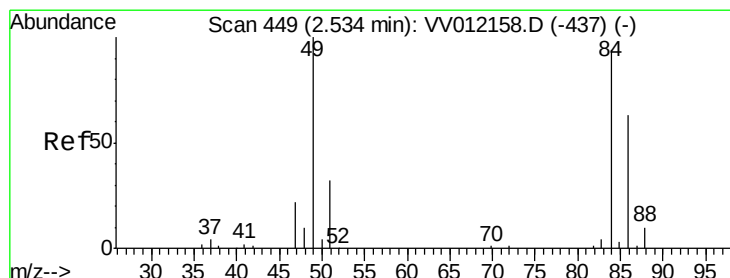
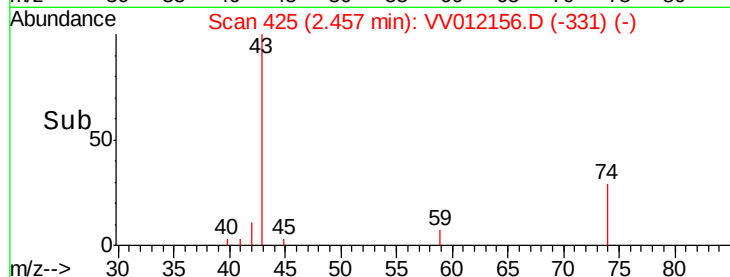
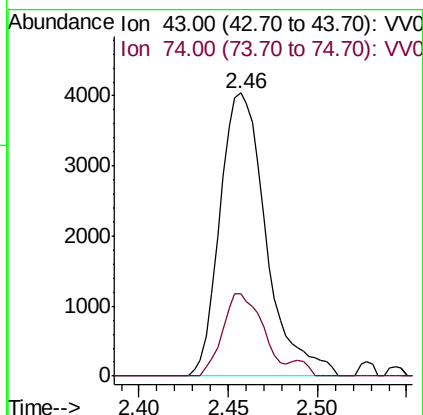
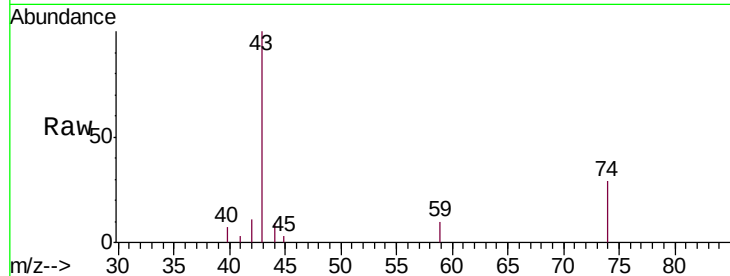




#15
Methyl Acetate
Concen: 3.352 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

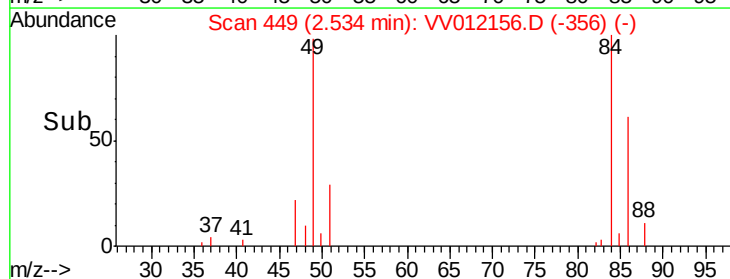
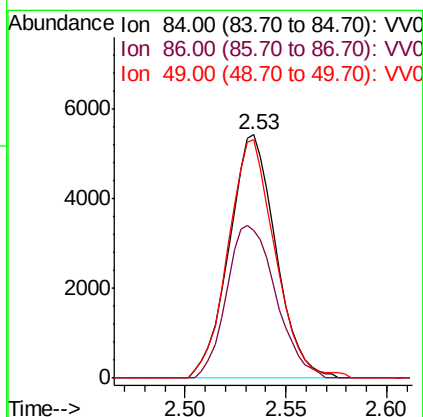
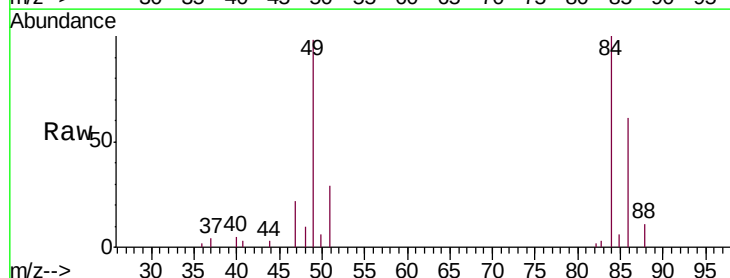
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

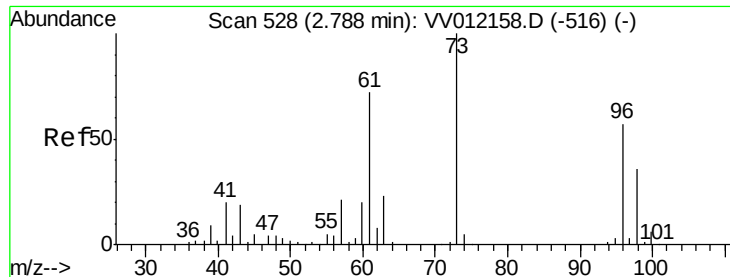
Tgt Ion: 43 Resp: 7285
Ion Ratio Lower Upper
43 100
74 25.4 22.4 33.6



#16
Methylene chloride
Concen: 3.673 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

Tgt Ion: 84 Resp: 8783
Ion Ratio Lower Upper
84 100
86 60.8 47.0 87.4
49 97.8 74.8 139.0





#17

trans-1,2-Dichloroethene

Concen: 3.576 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

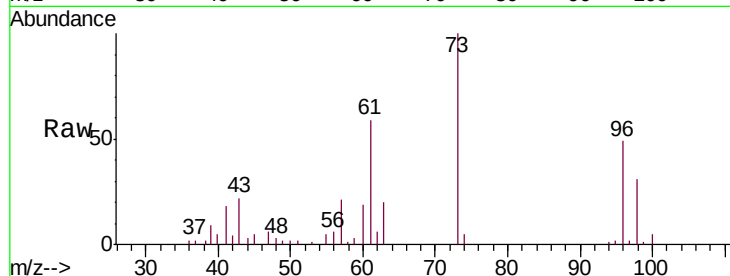
Tgt Ion: 96 Resp: 7978

Ion Ratio Lower Upper

96 100

61 121.3 89.3 165.9

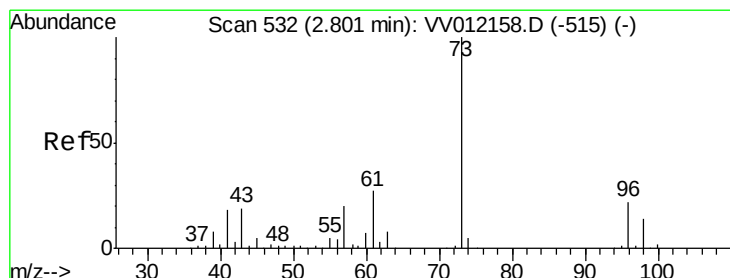
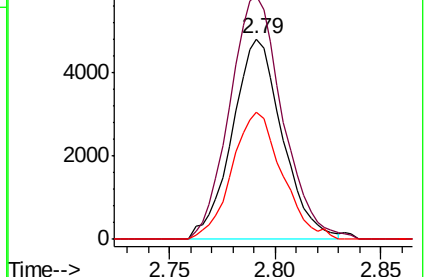
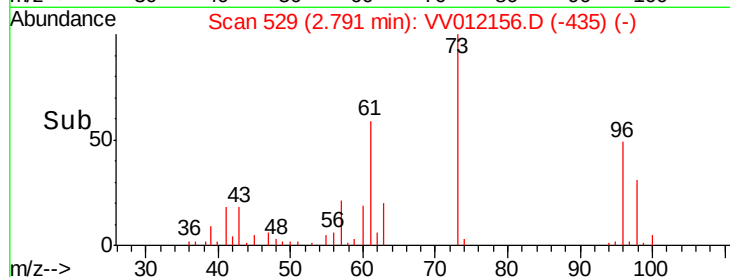
98 63.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV012156.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV012156.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV012156.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 3.712 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

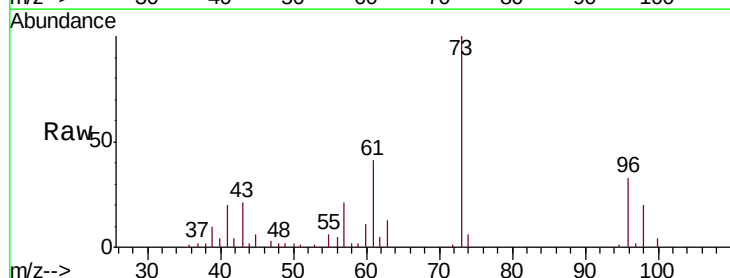
Tgt Ion: 73 Resp: 25122

Ion Ratio Lower Upper

73 100

43 21.4 15.2 22.8

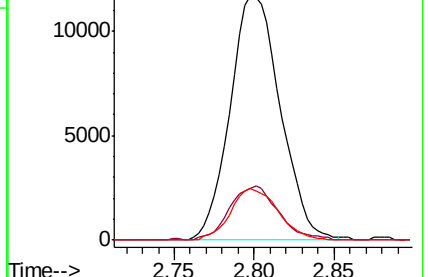
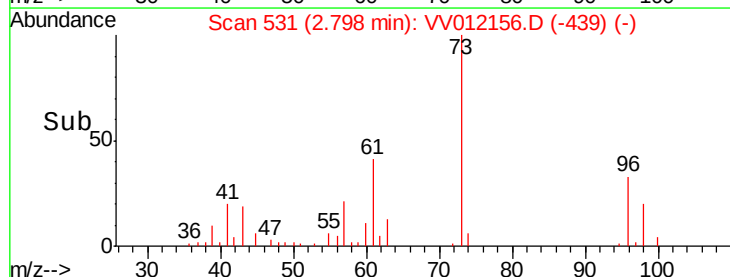
57 19.9 16.2 24.2

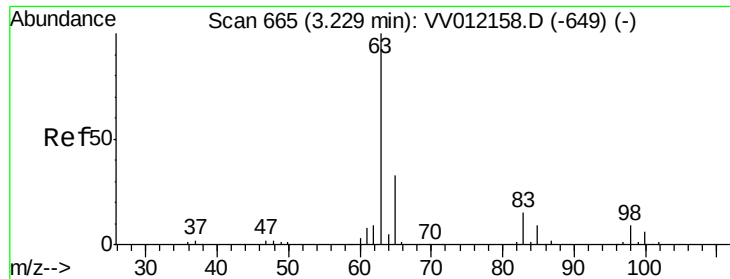


Abundance Ion 73.00 (72.70 to 73.70): VV012156.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV012156.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV012156.D (-439) (-)

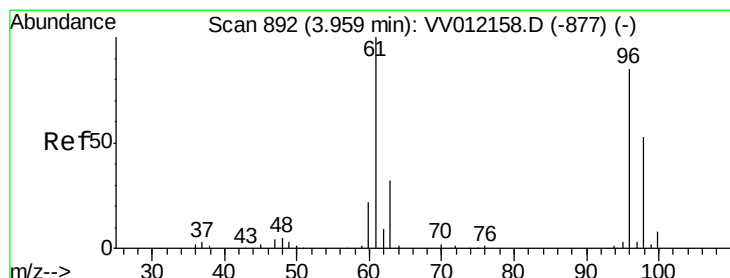
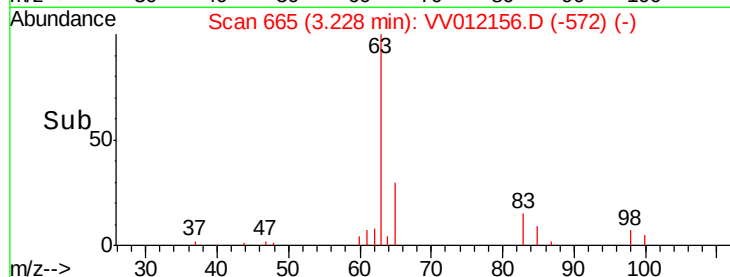
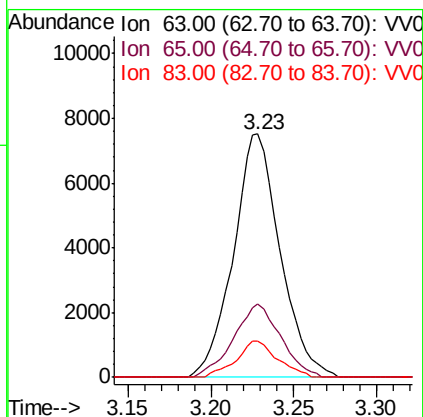
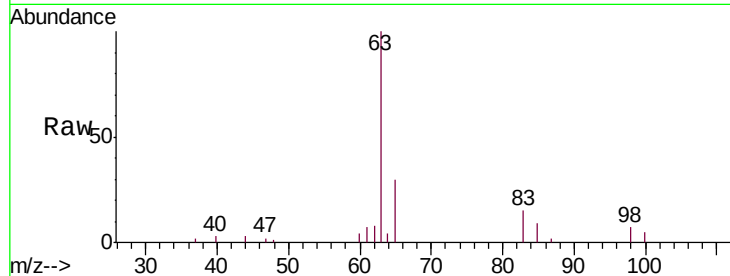




#19
 1,1-Dichloroethane
 Concen: 3.654 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

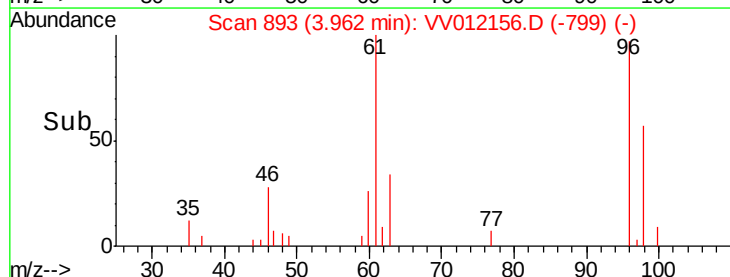
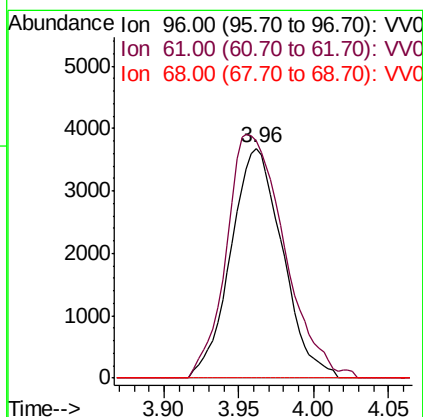
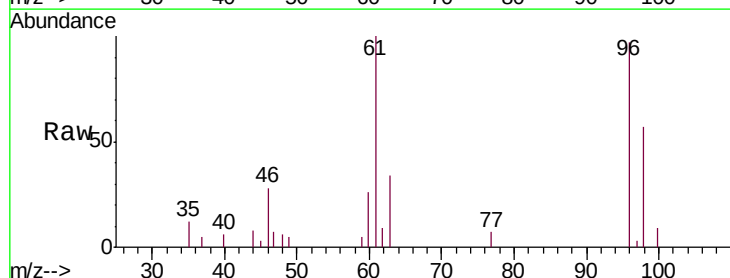
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

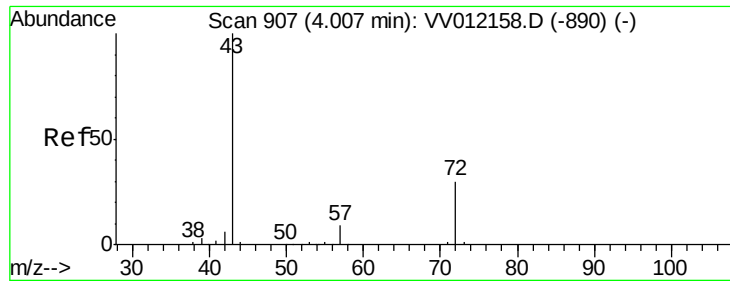
Tgt Ion: 63 Resp: 14709
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.9 42.5
 83 15.0 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 3.552 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion: 96 Resp: 8843
 Ion Ratio Lower Upper
 96 100
 61 103.0 82.9 153.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 6.008 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

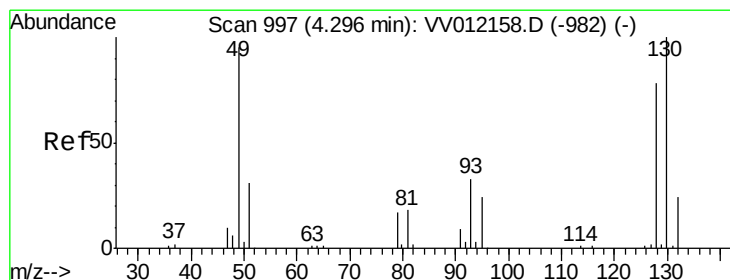
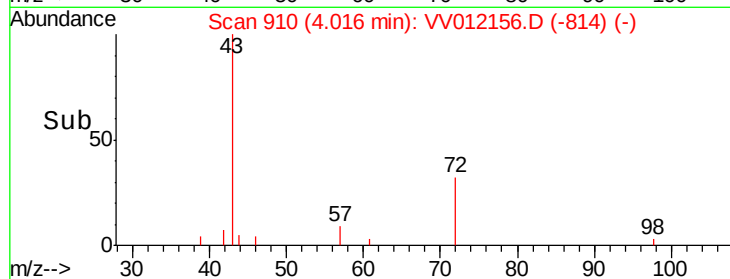
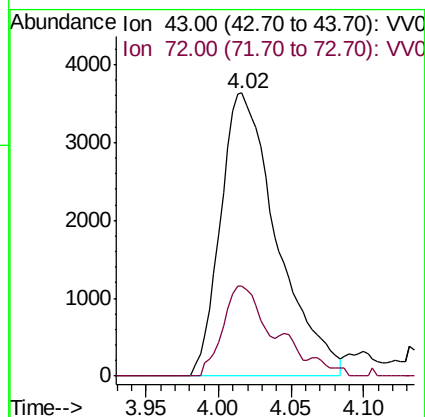
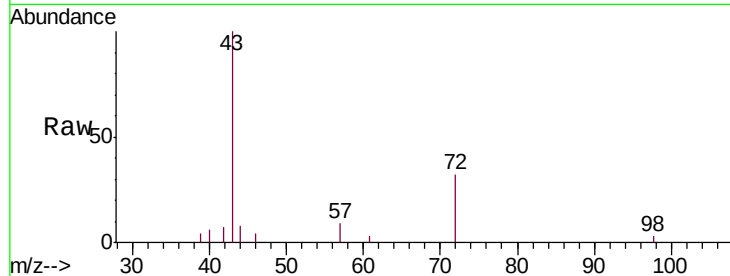
VSTD00564

Tgt Ion: 43 Resp: 9836

Ion Ratio Lower Upper

43 100

72 22.3 14.0 42.0



#23

Bromochloromethane

Concen: 3.815 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Tgt Ion: 128 Resp: 4842

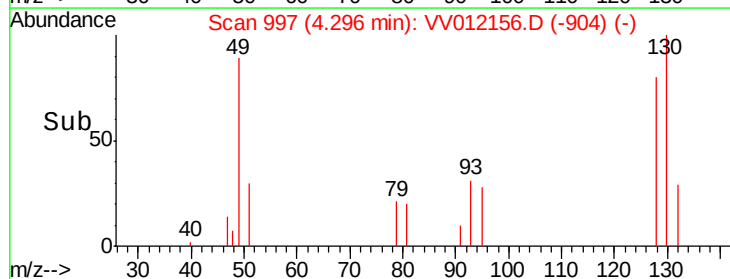
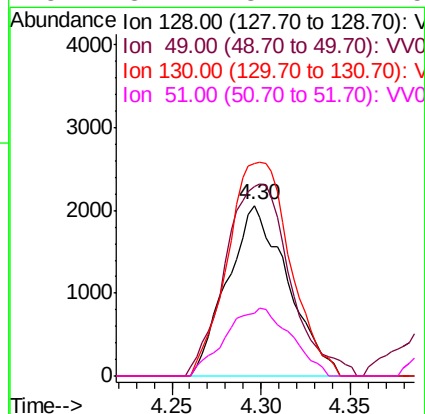
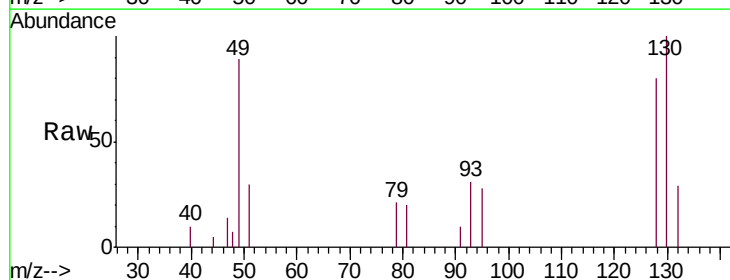
Ion Ratio Lower Upper

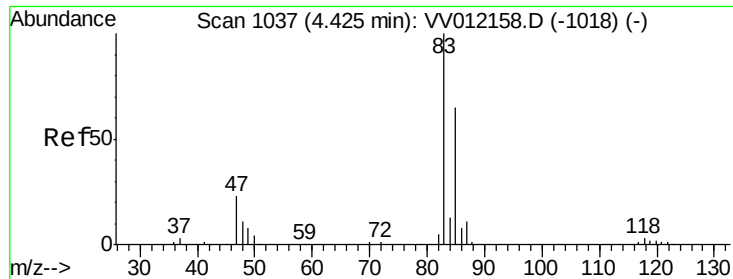
128 100

49 110.9 85.7 159.1

130 125.0 89.9 166.9

51 37.1 31.7 47.5

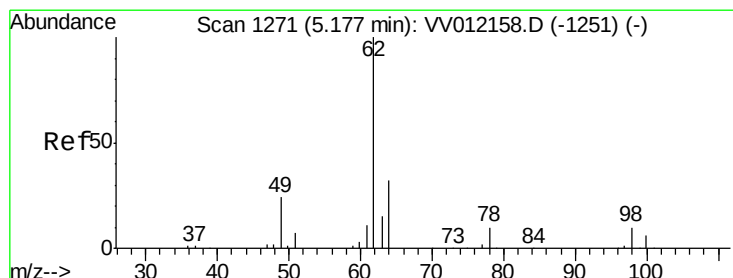
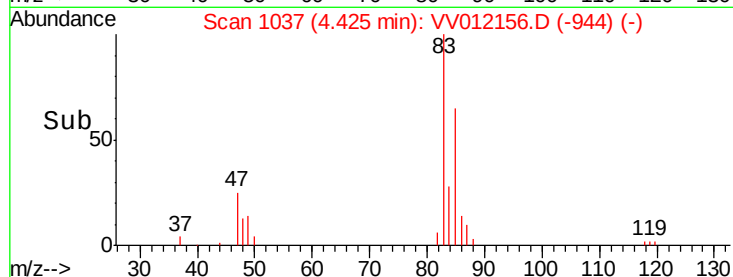
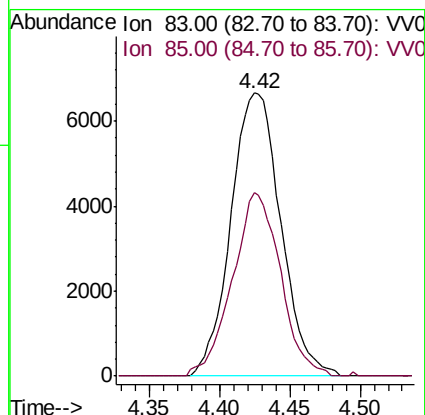
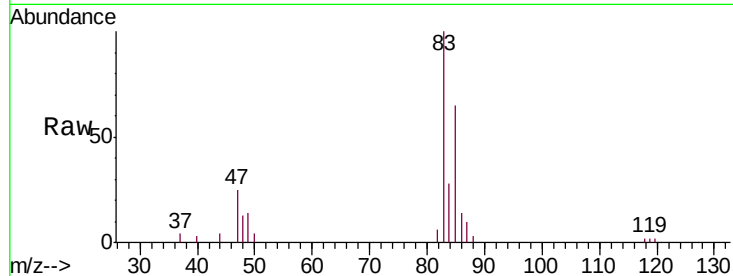




#25
Chloroform
Concen: 3.748 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

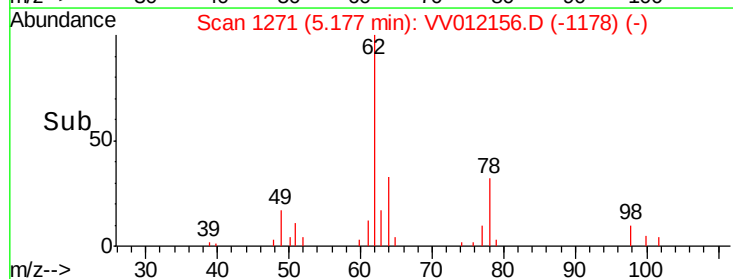
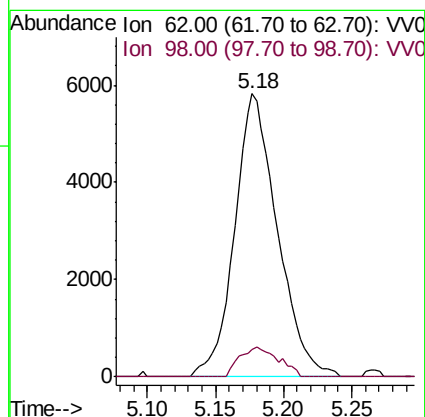
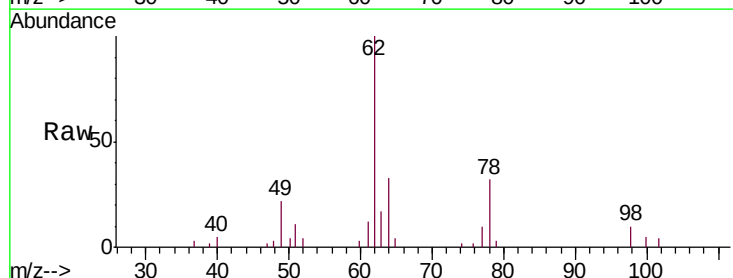
Instrument :
MSVOA_V
ClientSampled :
VSTD00564

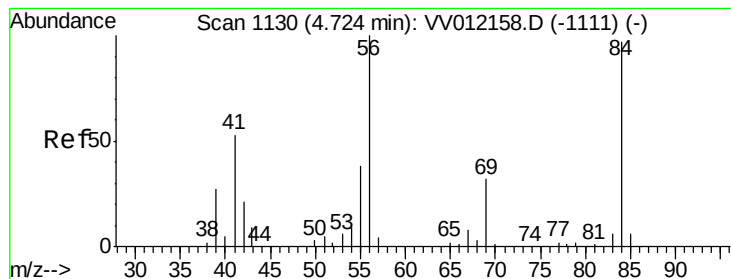
Tgt Ion: 83 Resp: 16497
Ion Ratio Lower Upper
83 100
85 65.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 3.537 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

Tgt Ion: 62 Resp: 12668
Ion Ratio Lower Upper
62 100
98 9.9 8.1 12.1





#29

Cyclohexane

Concen: 3.550 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

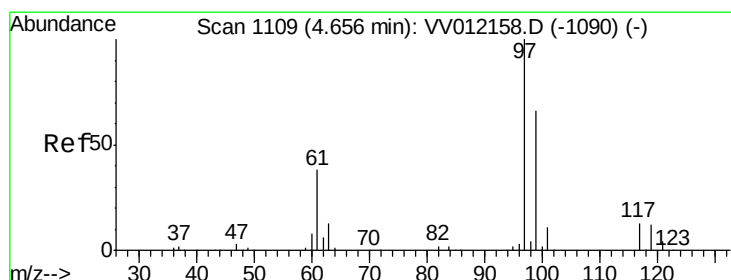
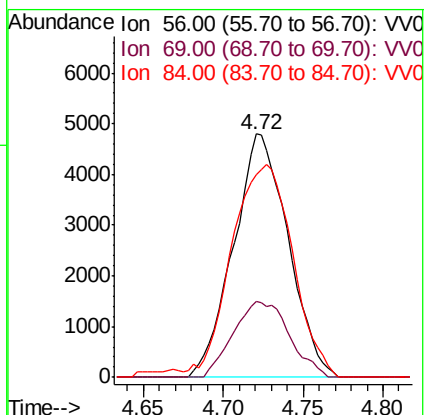
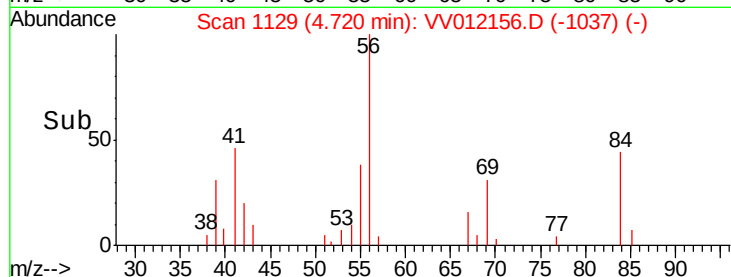
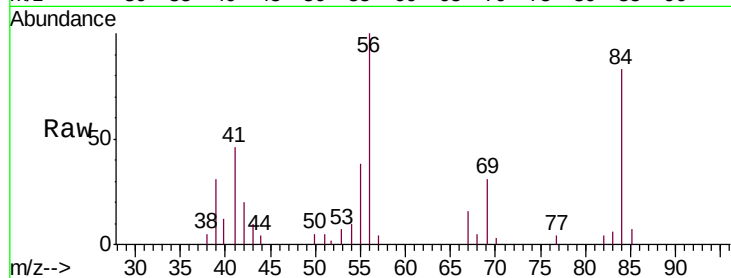
Tgt Ion: 56 Resp: 11252

Ion Ratio Lower Upper

56 100

69 31.9 26.6 40.0

84 97.9 78.6 117.8



#30

1,1,1-Trichloroethane

Concen: 4.483 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

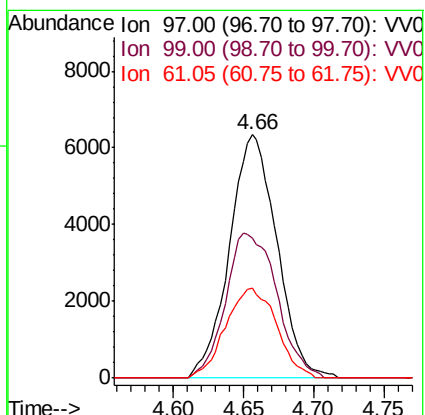
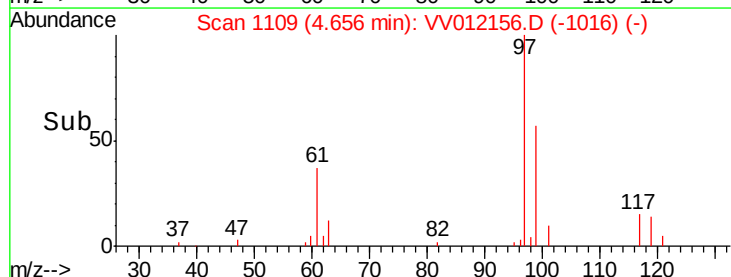
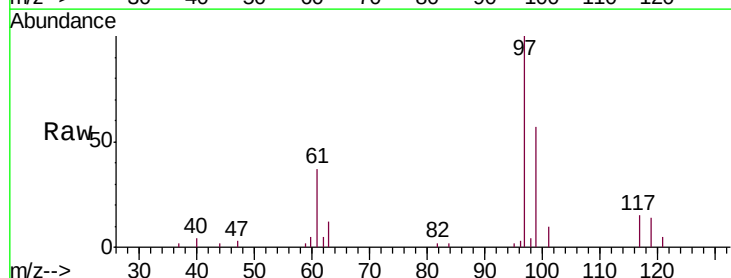
Tgt Ion: 97 Resp: 14911

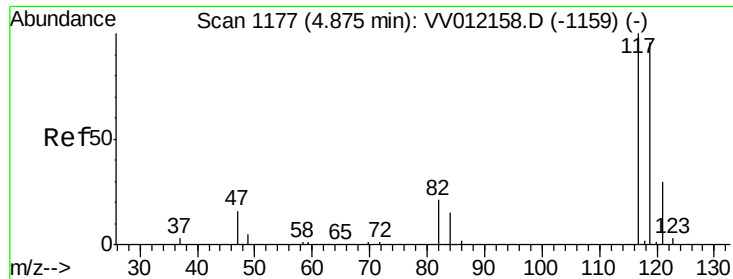
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 39.6 31.5 47.3

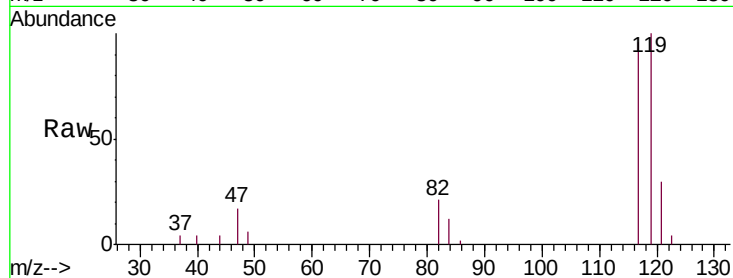




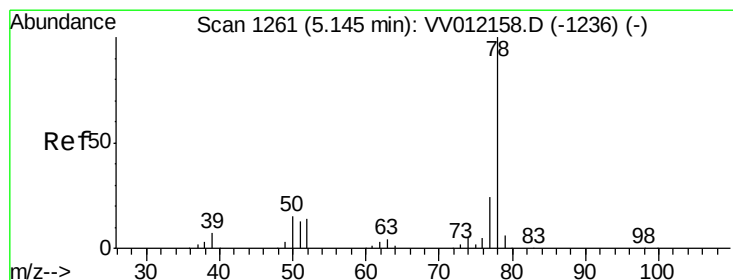
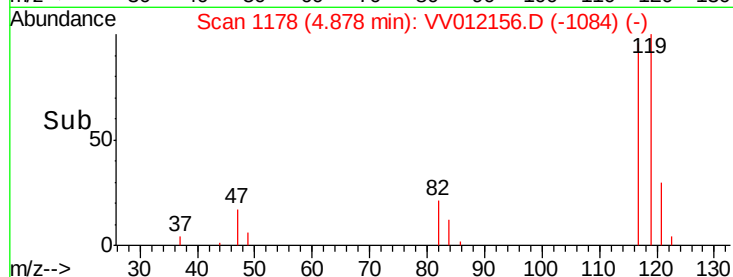
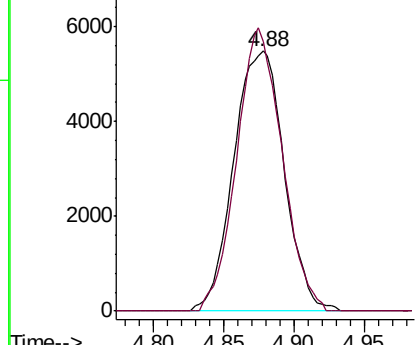
#31
Carbon tetrachloride
Concen: 4.703 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion:117 Resp: 13752
Ion Ratio Lower Upper
117 100
119 97.8 77.1 115.7

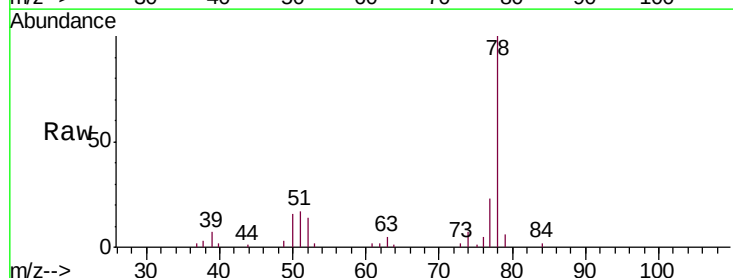


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

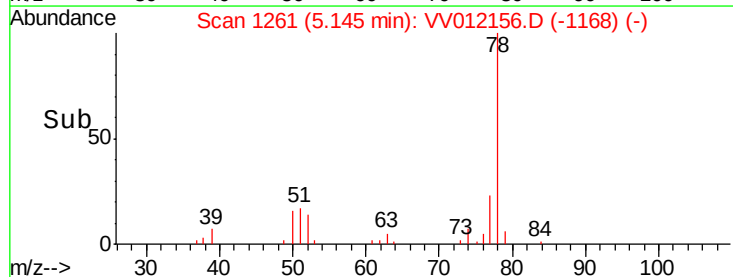
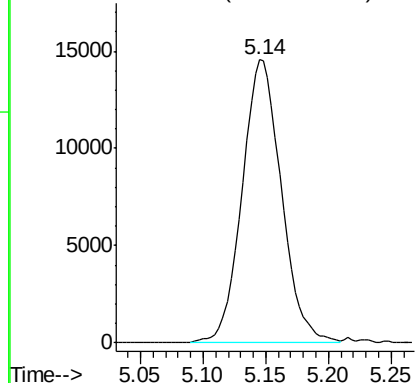


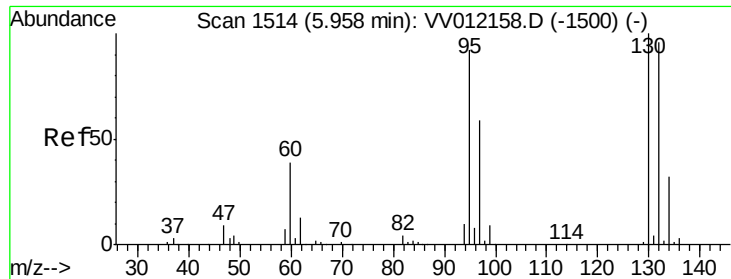
#33
Benzene
Concen: 3.737 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

Tgt Ion: 78 Resp: 31735



Abundance Ion 78.00 (77.70 to 78.70): VV0

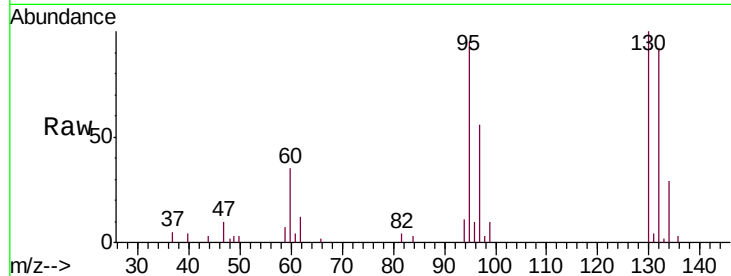




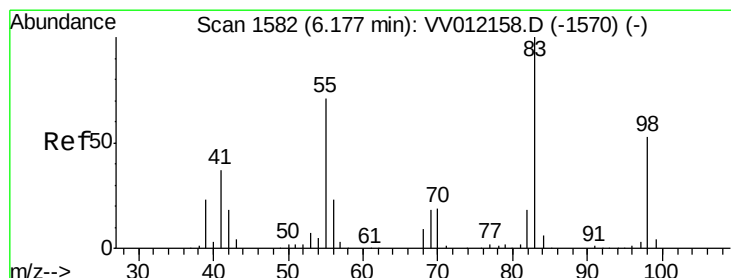
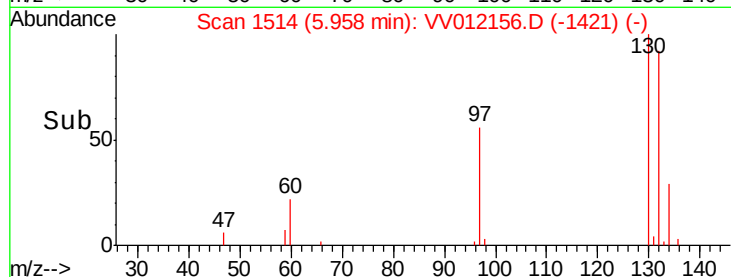
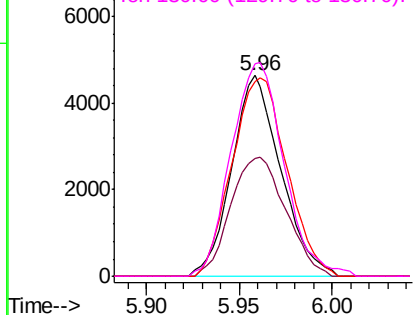
#34
 Trichloroethene
 Concen: 3.972 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00564

Tgt Ion: 95 Resp: 8526
 Ion Ratio Lower Upper
 95 100
 97 58.6 44.7 83.1
 132 97.2 72.7 134.9
 130 105.6 75.9 141.1

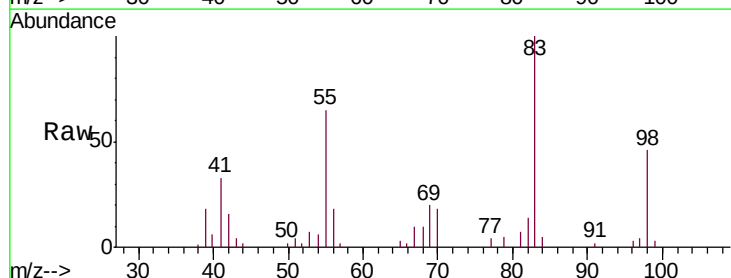


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

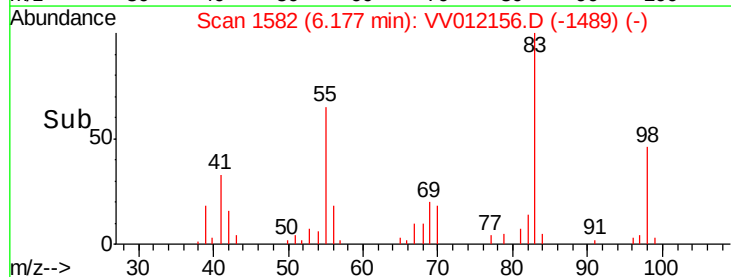
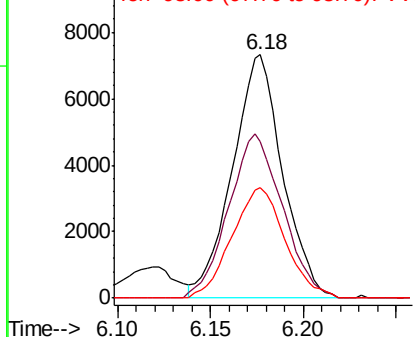


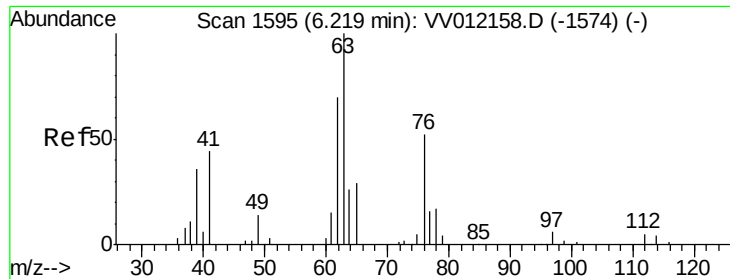
#35
 Methylcyclohexane
 Concen: 3.903 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion: 83 Resp: 13782
 Ion Ratio Lower Upper
 83 100
 55 72.2 54.9 82.3
 98 47.9 40.7 61.1



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

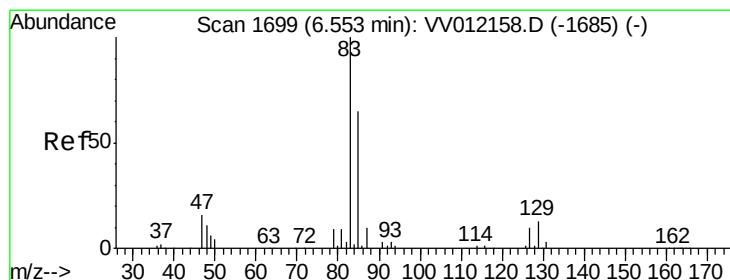
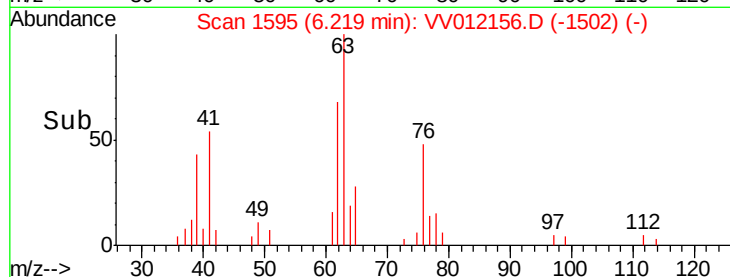
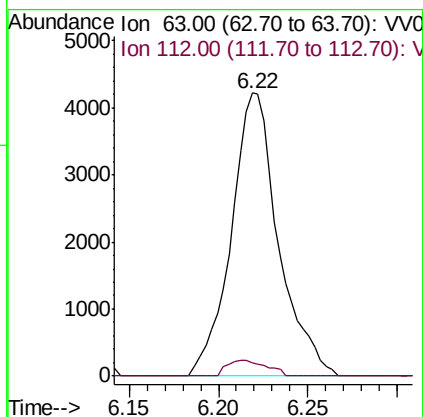
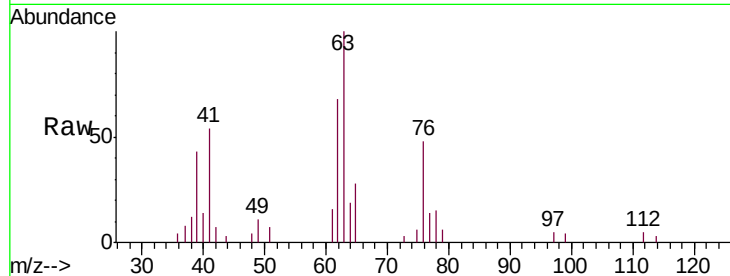




#37
 1,2-Dichloropropane
 Concen: 3.601 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

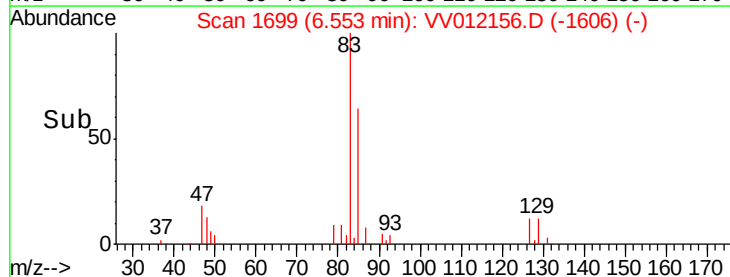
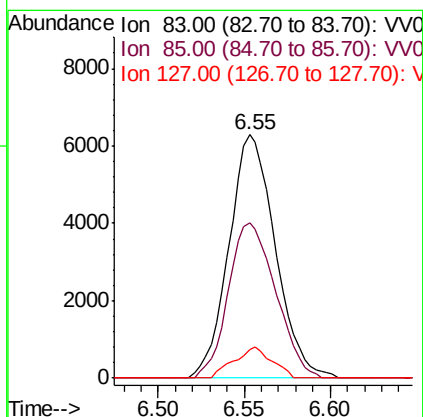
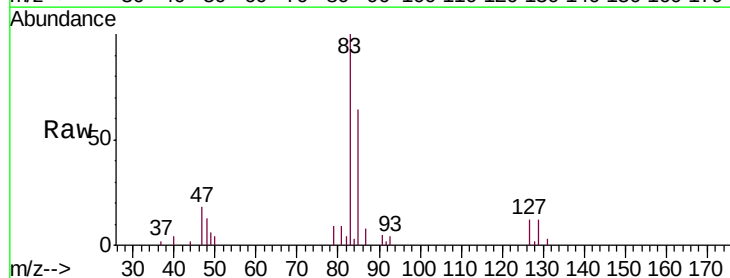
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

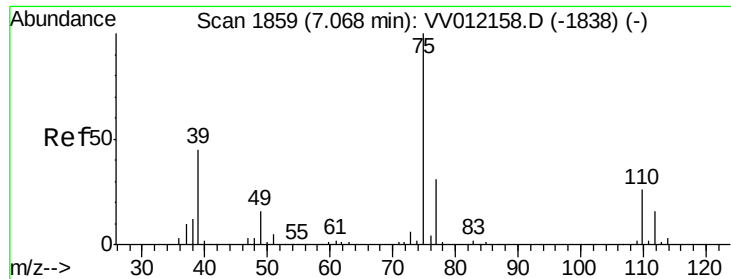
Tgt Ion: 63 Resp: 7793
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.2 6.4



#38
 Bromodichloromethane
 Concen: 4.184 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion: 83 Resp: 11779
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.5 84.5
 127 11.8 7.7 11.5#

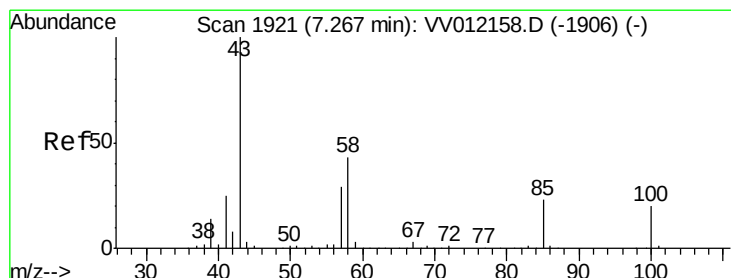
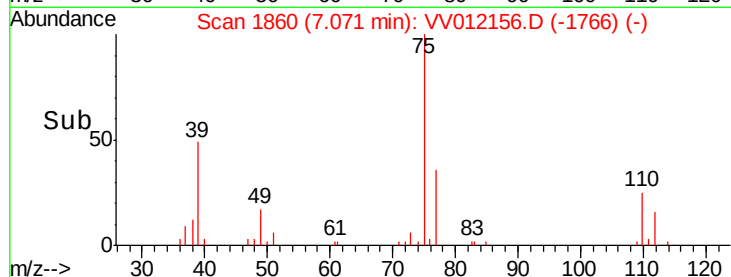
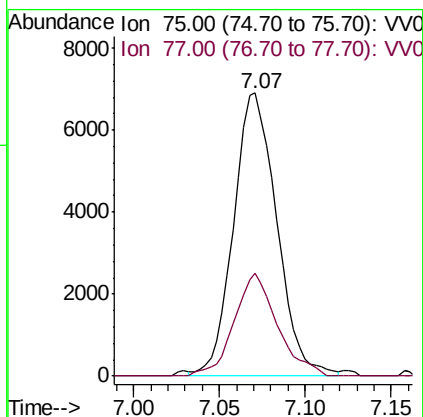
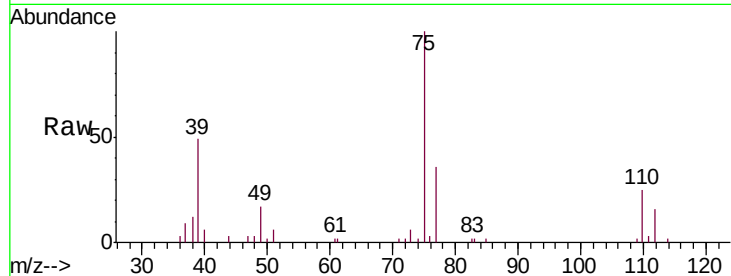




#39
 cis-1,3-Dichloropropene
 Concen: 3.802 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

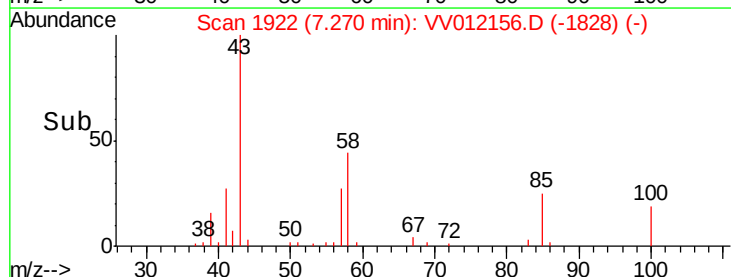
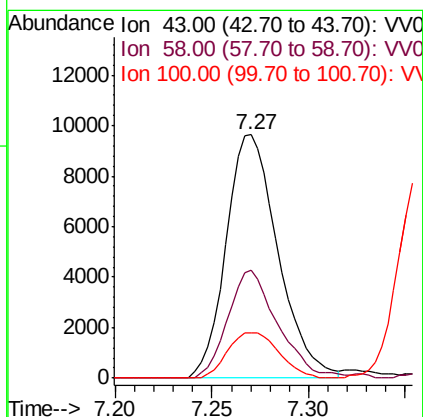
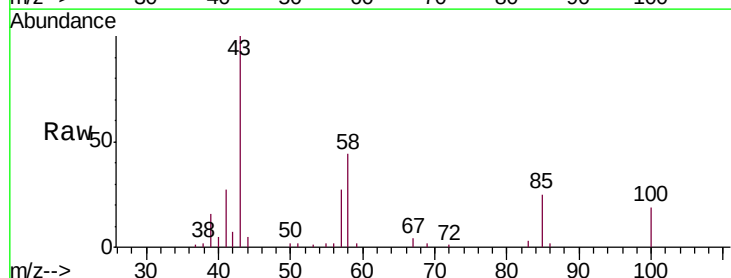
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

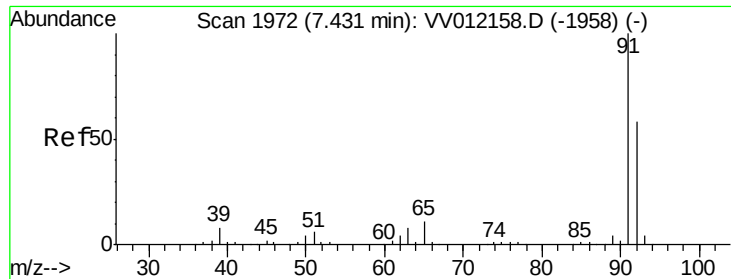
Tgt Ion: 75 Resp: 12077
 Ion Ratio Lower Upper
 75 100
 77 36.2 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 6.170 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion: 43 Resp: 17949
 Ion Ratio Lower Upper
 43 100
 58 42.5 34.7 52.1
 100 18.6 16.2 24.2





#42

Toluene

Concen: 3.504 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

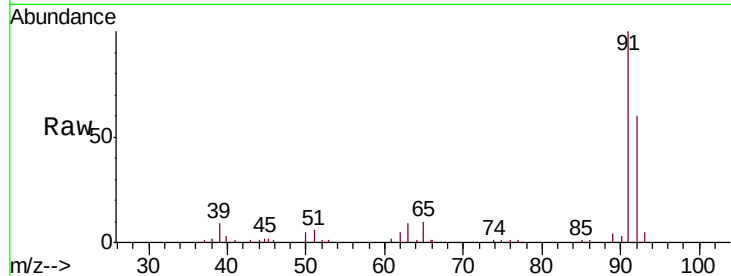
VSTD00564

Tgt Ion: 91 Resp: 33819

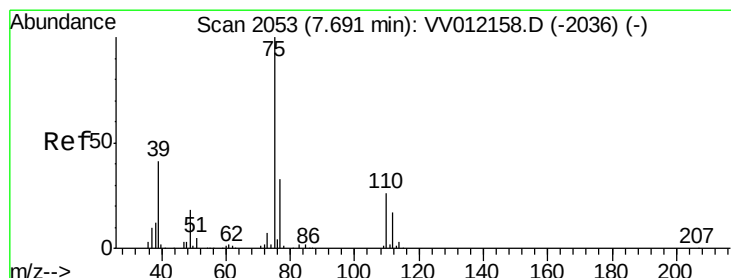
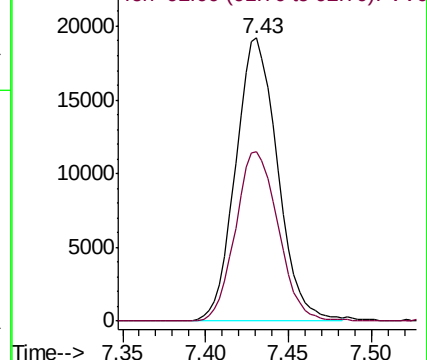
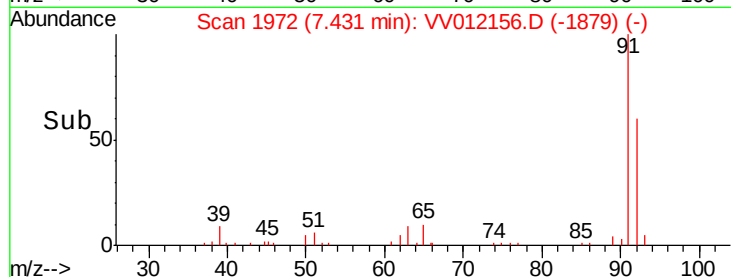
Ion Ratio Lower Upper

91 100

92 59.9 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV012156.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 3.546 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012156.D

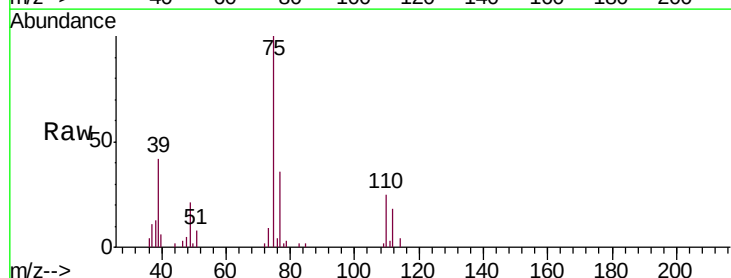
Acq: 09 Aug 2019 16:28

Tgt Ion: 75 Resp: 10520

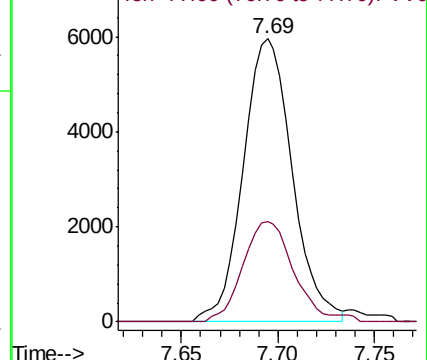
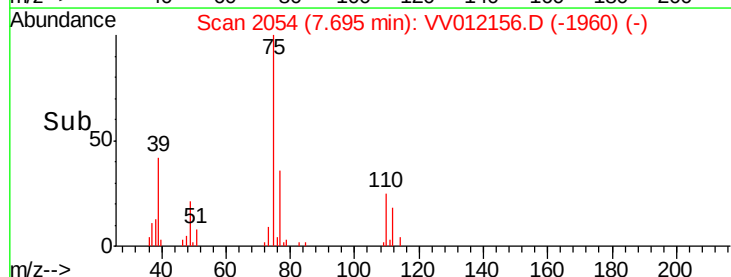
Ion Ratio Lower Upper

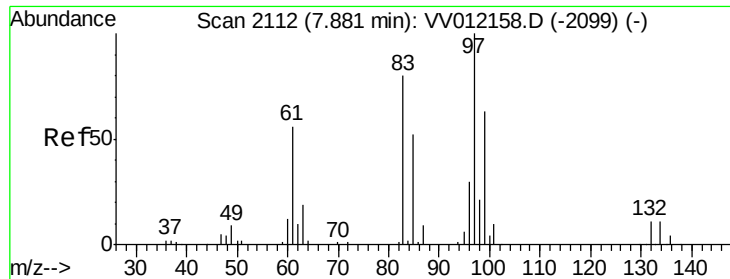
75 100

77 35.5 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV012156.D (-1960) (-)

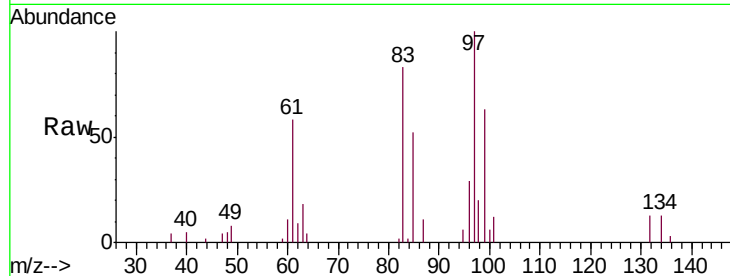




#45
 1,1,2-Trichloroethane
 Concen: 3.925 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	8454
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.0
83	83.4	55.9	103.9
85	51.6	36.3	67.3



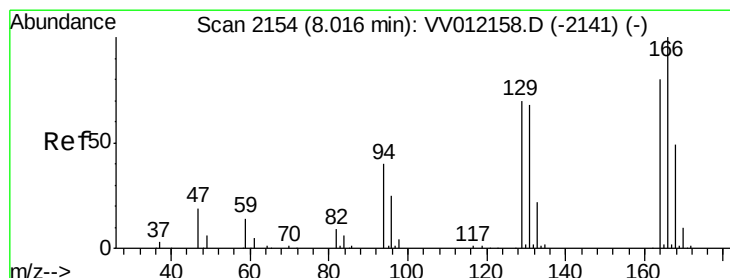
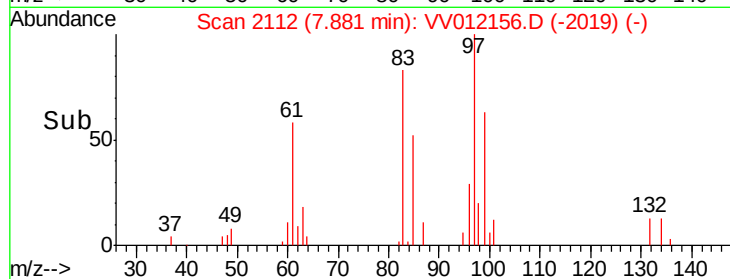
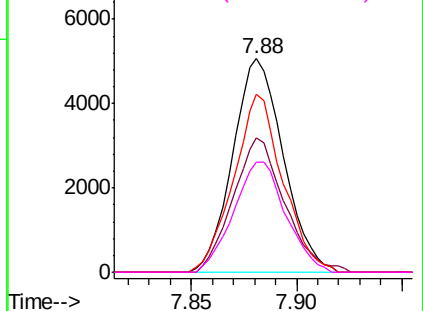
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

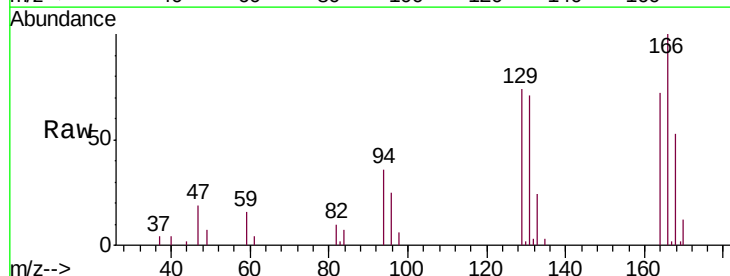
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 4.591 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion:	164	Resp:	8306
Ion	Ratio	Lower	Upper
164	100		
129	102.6	60.6	112.6
131	98.2	59.5	110.5
166	138.6	87.2	161.9



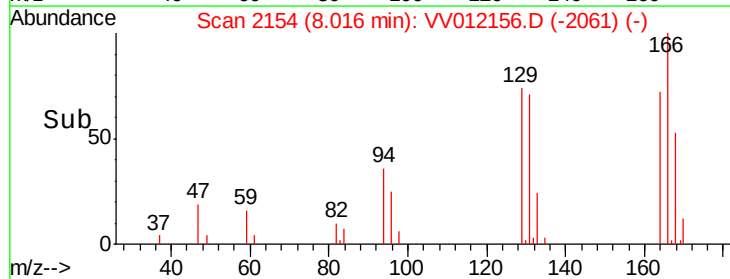
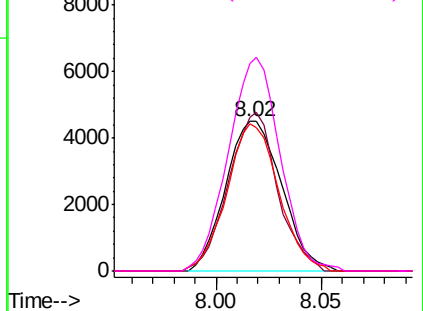
Abundance

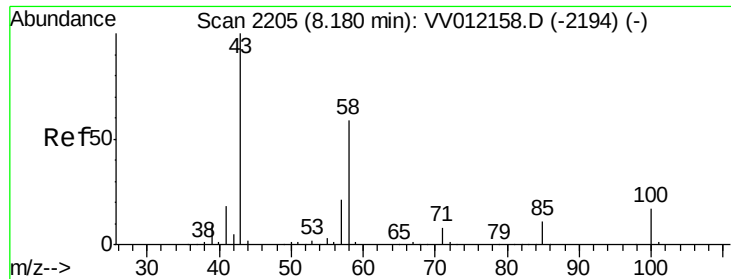
Ion 164.00 (163.70 to 164.70): V

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

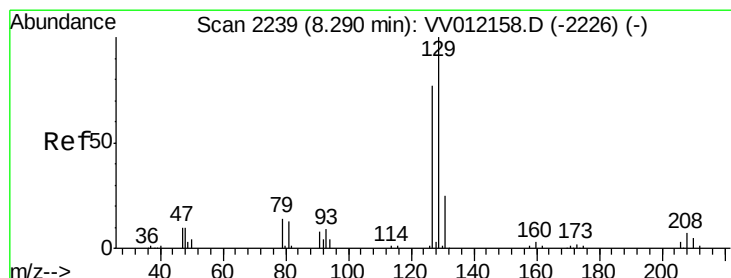
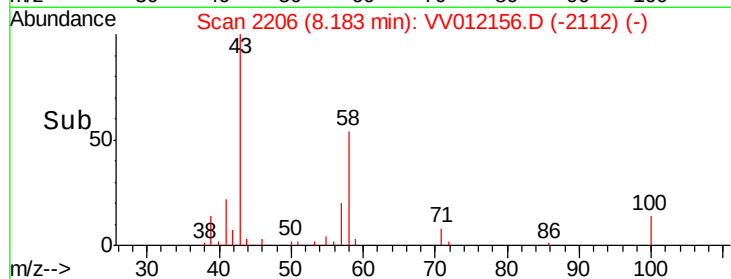
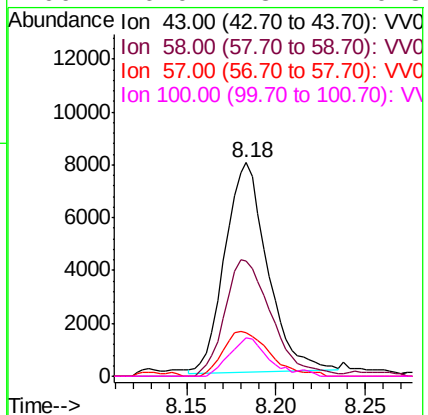
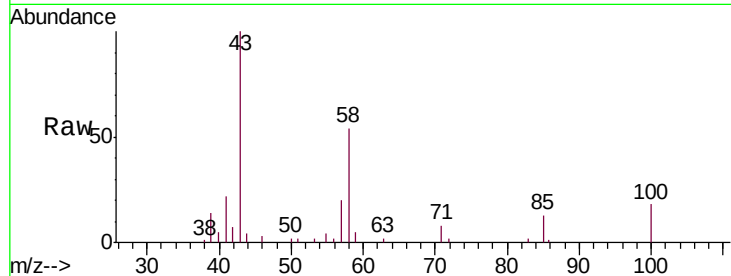




#48
2-Hexanone
Concen: 6.075 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

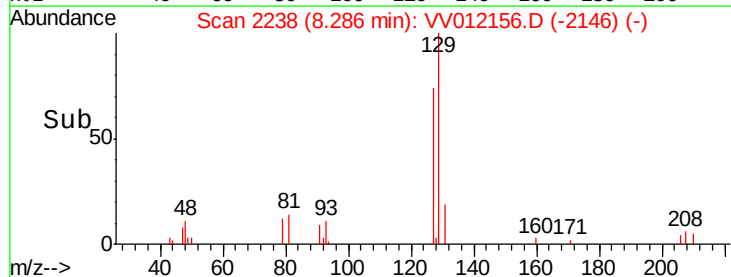
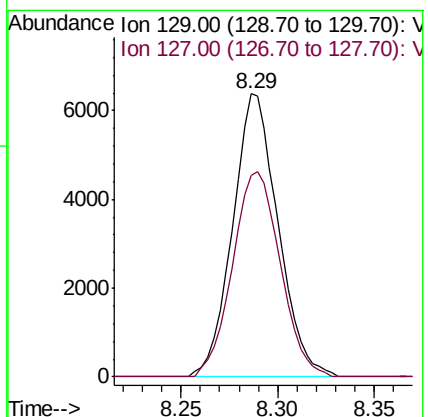
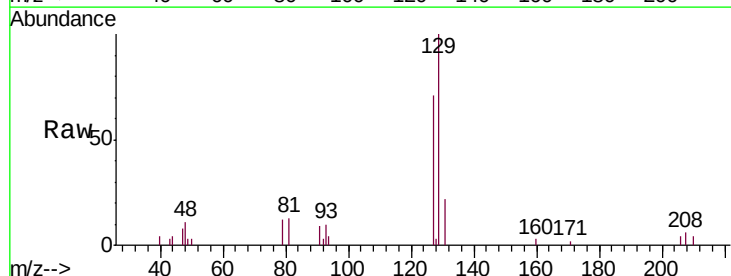
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

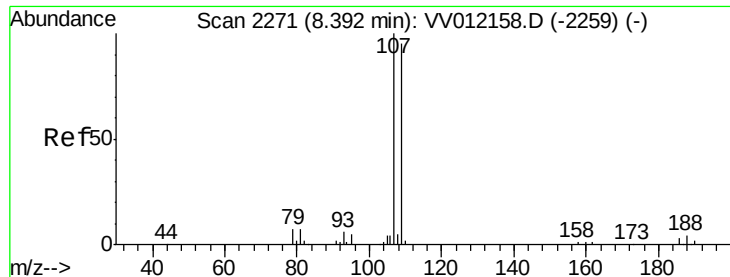
Tgt Ion: 43 Resp: 13207
Ion Ratio Lower Upper
43 100
58 60.4 47.4 71.0
57 22.5 16.8 25.2
100 16.0 13.2 19.8



#49
Dibromochloromethane
Concen: 4.412 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

Tgt Ion: 129 Resp: 10412
Ion Ratio Lower Upper
129 100
127 71.0 53.8 99.8

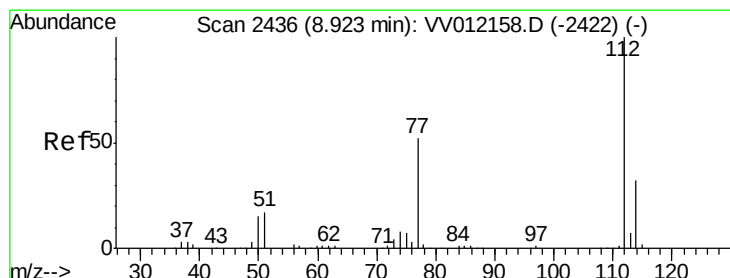
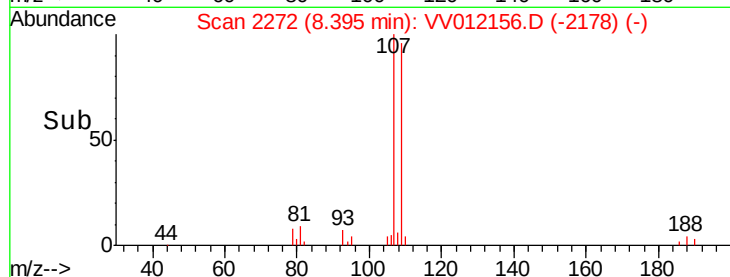
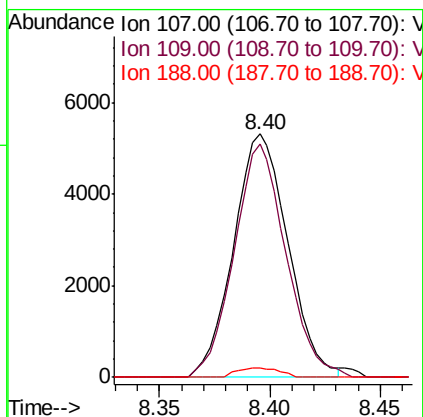
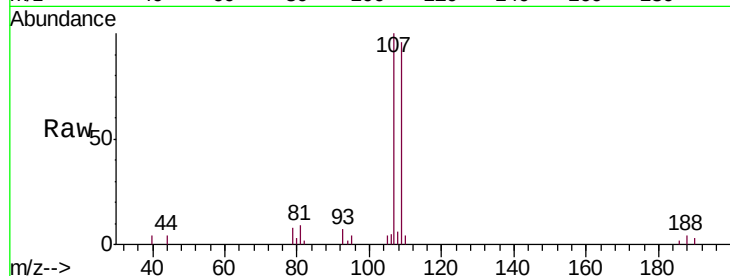




#50
1,2-Dibromoethane
Concen: 3.945 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

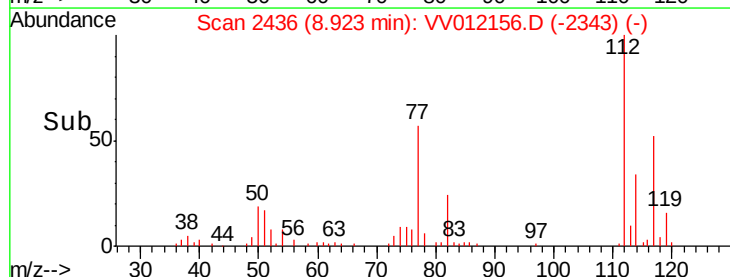
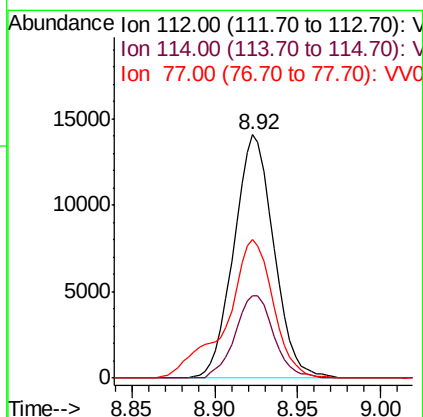
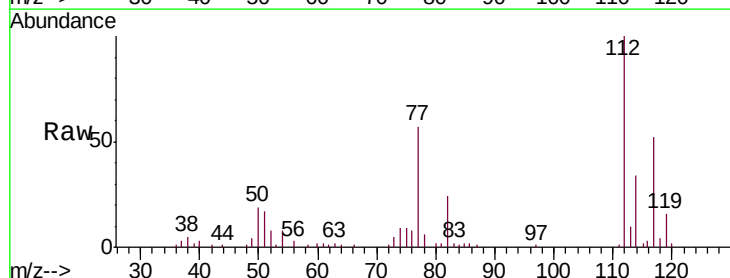
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

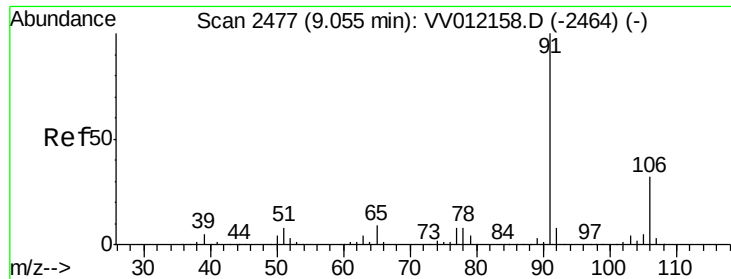
Tgt Ion:107 Resp: 9067
Ion Ratio Lower Upper
107 100
109 95.7 66.8 124.0
188 3.8 3.5 5.3



#51
Chlorobenzene
Concen: 3.660 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012156.D
Acq: 09 Aug 2019 16:28

Tgt Ion:112 Resp: 23604
Ion Ratio Lower Upper
112 100
114 34.1 22.3 41.5
77 56.7 41.5 62.3





#52

Ethylbenzene

Concen: 3.357 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

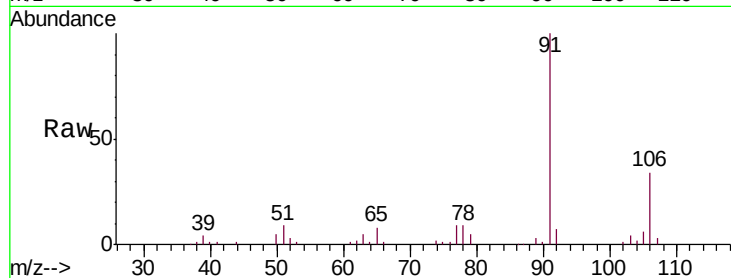
VSTD00564

Tgt Ion: 91 Resp: 36580

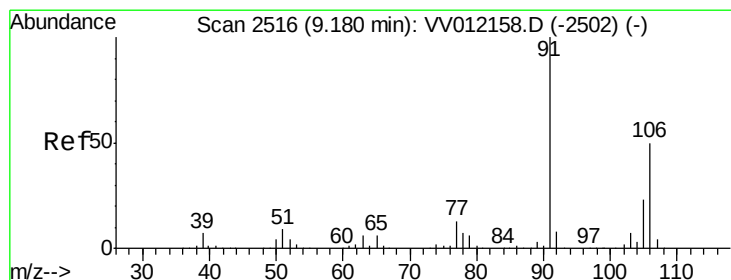
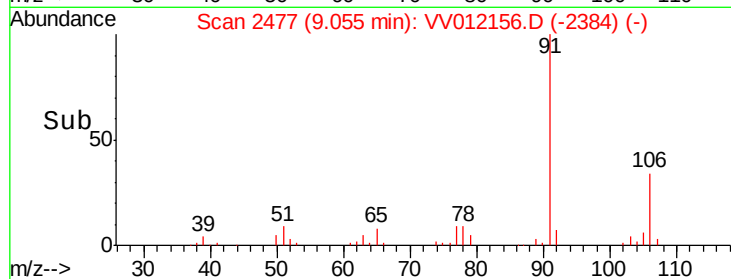
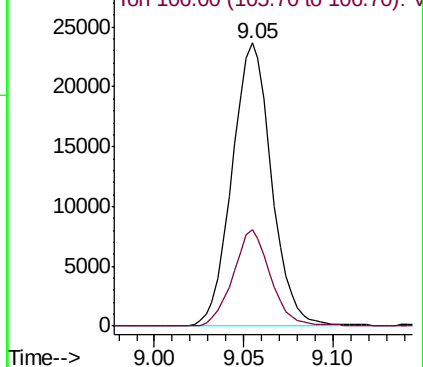
Ion Ratio Lower Upper

91 100

106 33.9 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VV012156.D (-2464) (-)



#53

m,p-Xylene

Concen: 3.572 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012156.D

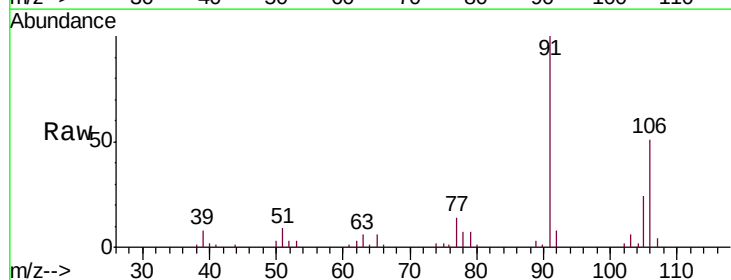
Acq: 09 Aug 2019 16:28

Tgt Ion: 106 Resp: 15199

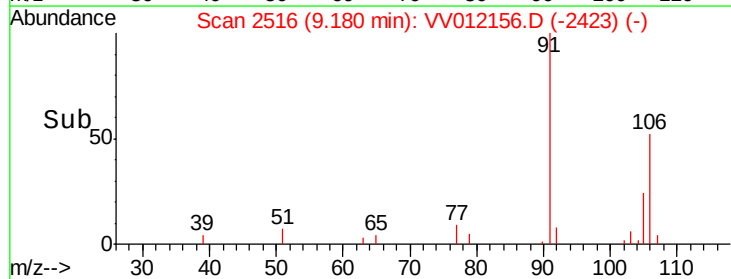
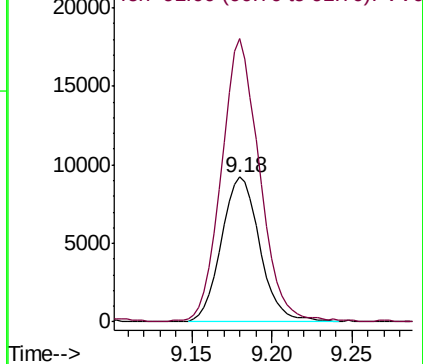
Ion Ratio Lower Upper

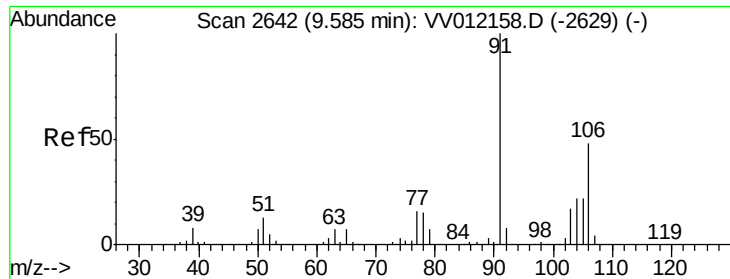
106 100

91 195.7 140.6 261.2



Abundance Ion 106.00 (105.70 to 106.70): VV012156.D (-2502) (-)





#54

o-xylene

Concen: 3.395 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

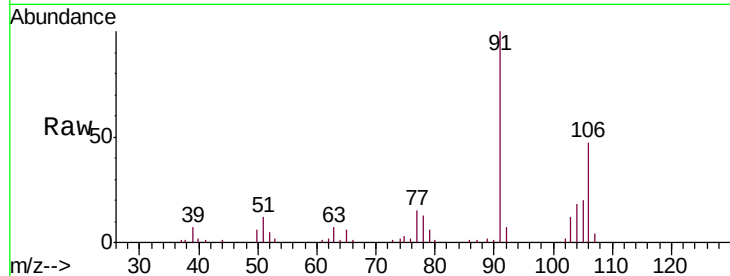
VSTD00564

Tgt Ion:106 Resp: 14674

Ion Ratio Lower Upper

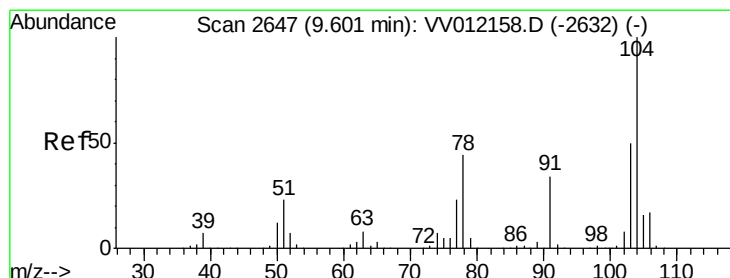
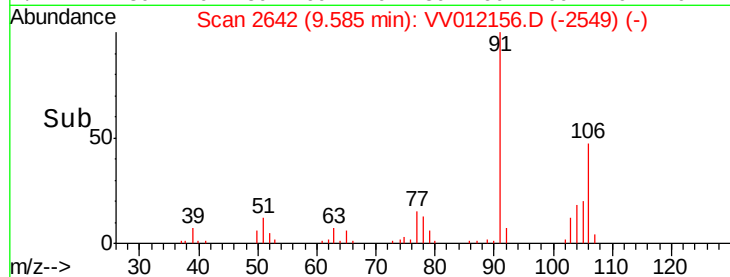
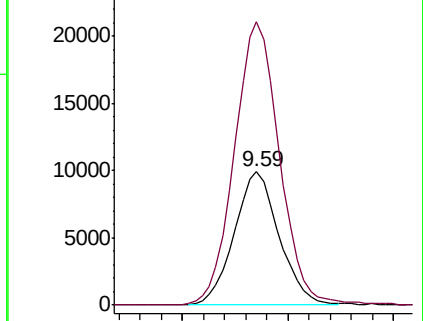
106 100

91 212.7 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 3.231 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012156.D

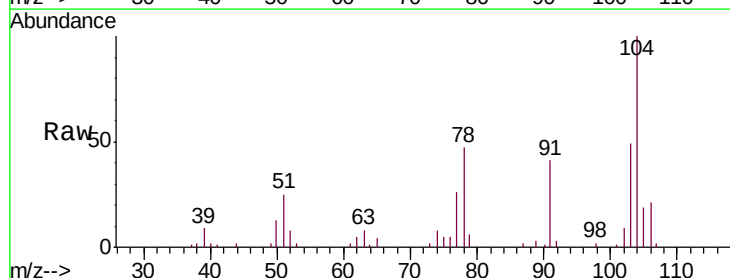
Acq: 09 Aug 2019 16:28

Tgt Ion:104 Resp: 23198

Ion Ratio Lower Upper

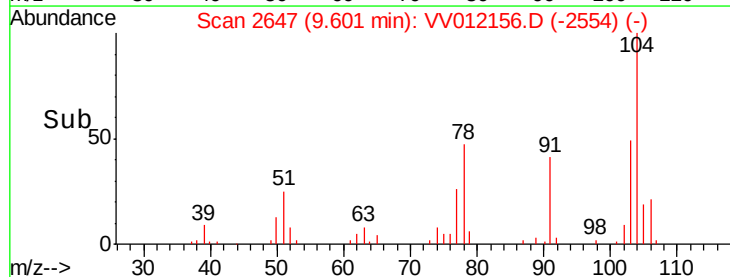
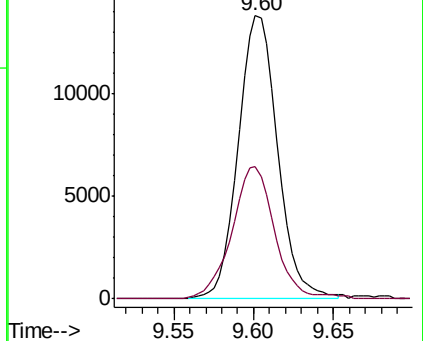
104 100

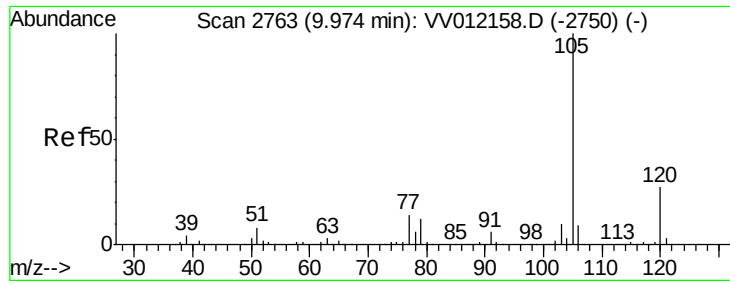
78 46.6 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 3.474 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

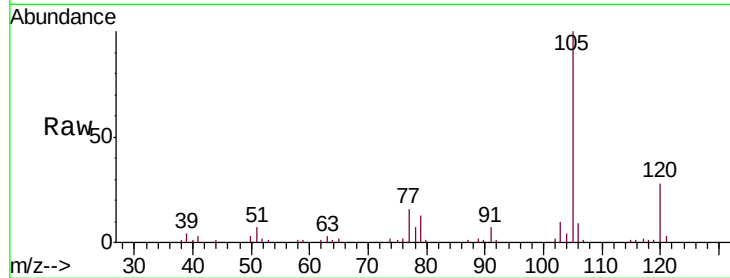
Tgt Ion: 105 Resp: 38558

Ion Ratio Lower Upper

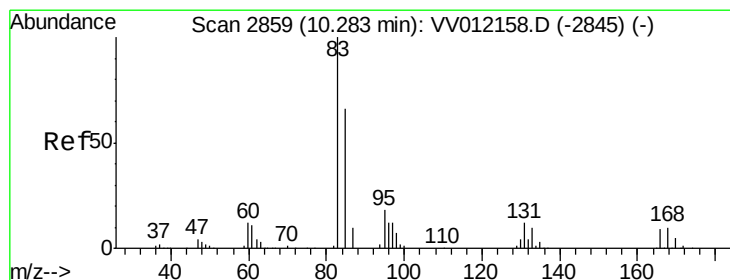
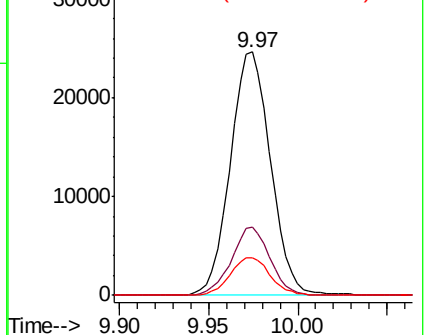
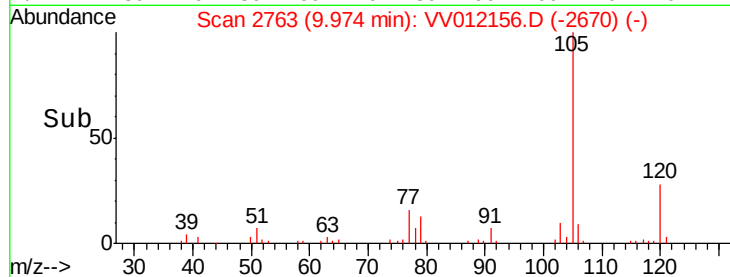
105 100

120 26.6 21.4 32.0

77 15.5 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): VV012156.D (-2670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 3.245 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

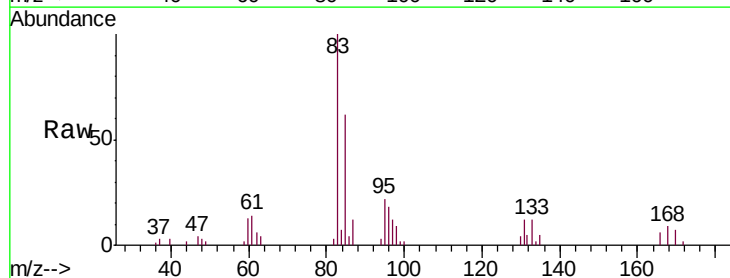
Tgt Ion: 83 Resp: 12379

Ion Ratio Lower Upper

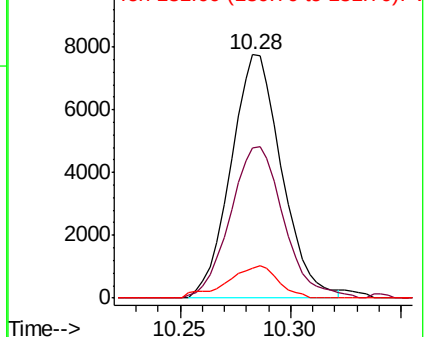
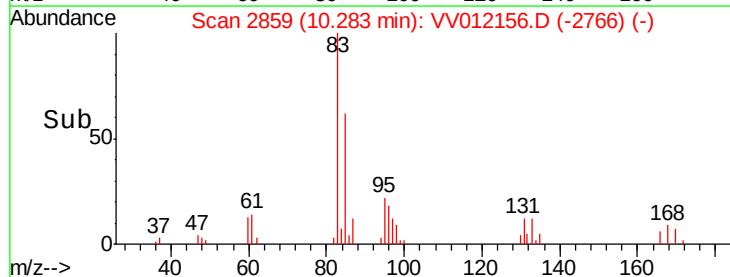
83 100

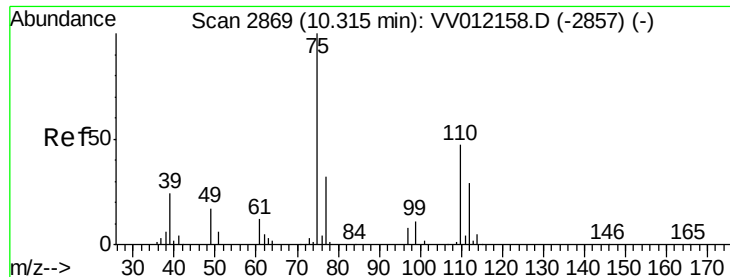
85 61.8 46.3 85.9

131 17.6 9.8 14.6#



Abundance Ion 83.00 (82.70 to 83.70): VV012156.D (-2766) (-)





#59

1,2,3-Trichloropropane

Concen: 3.640 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

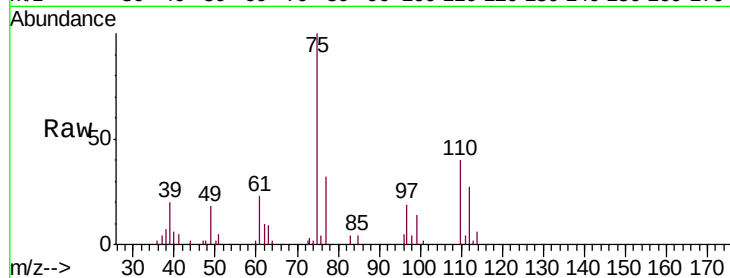
VSTD00564

Tgt Ion: 75 Resp: 10611

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV012158.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012158.D (-2857) (-)

10.32

6000

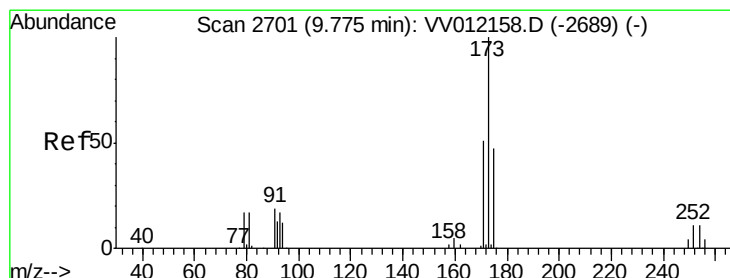
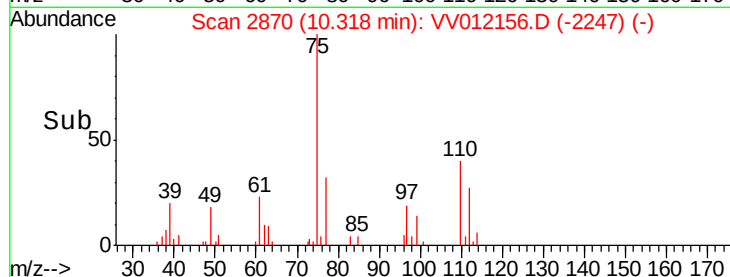
4000

2000

0

10.30 10.35

Time-->



#61

Bromoform

Concen: 4.741 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

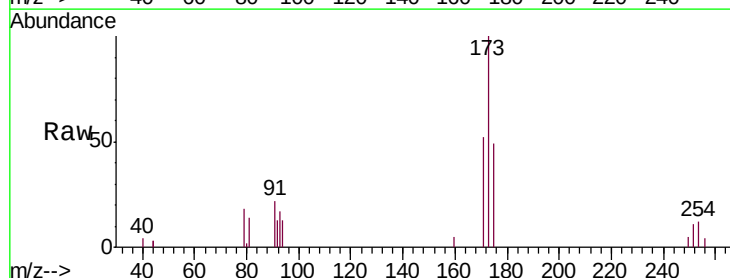
Tgt Ion: 173 Resp: 8427

Ion Ratio Lower Upper

173 100

175 49.6 38.1 57.1

254 10.4 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VV012158.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV012158.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV012158.D (-2689) (-)

9.77

6000

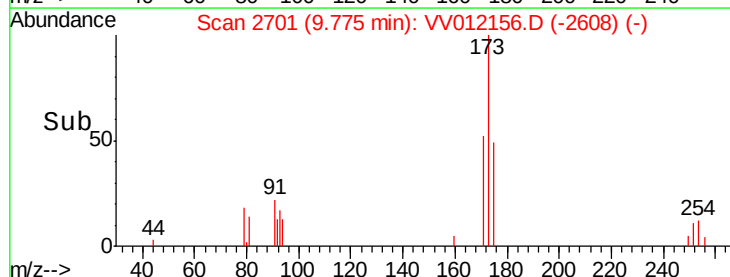
4000

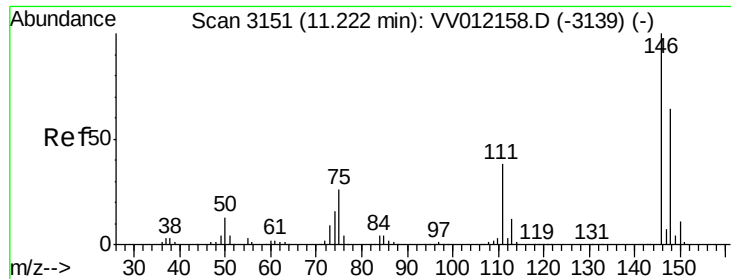
2000

0

9.75 9.80

Time-->

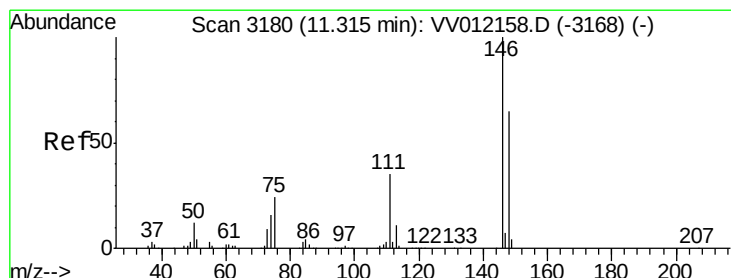
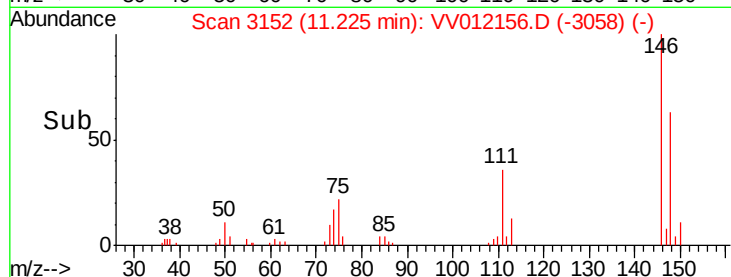
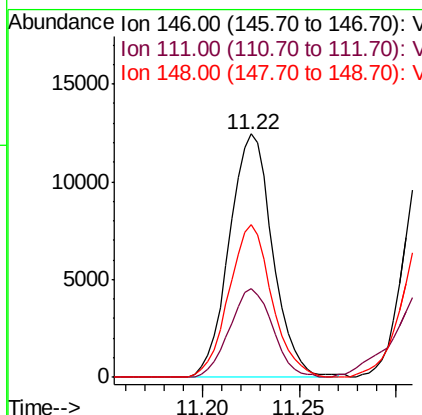
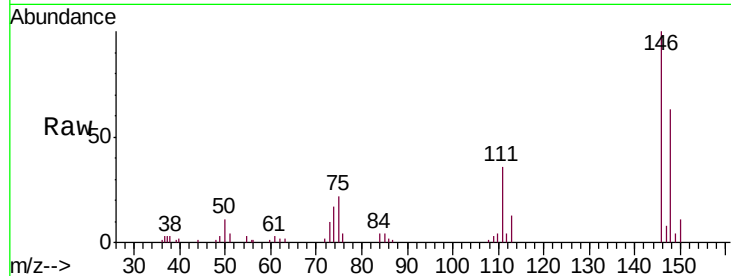




#62
 1,3-Dichlorobenzene
 Concen: 3.765 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

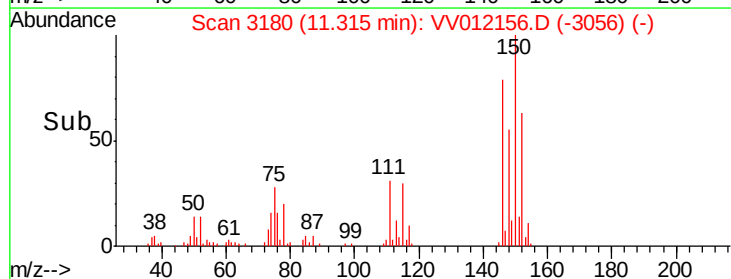
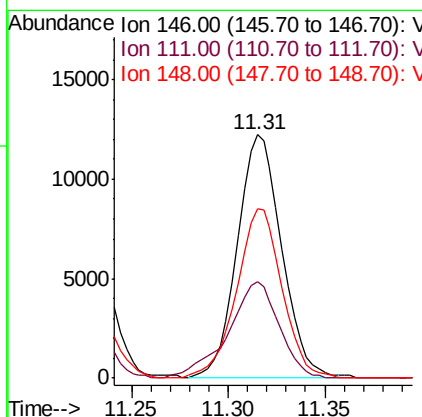
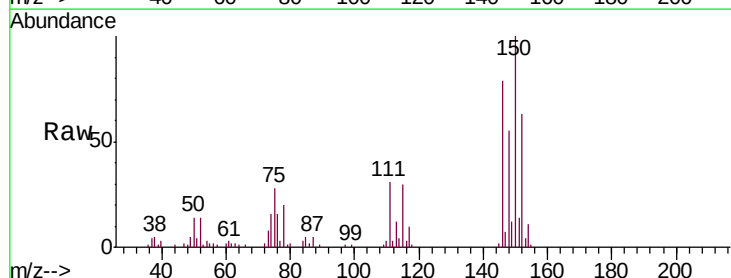
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

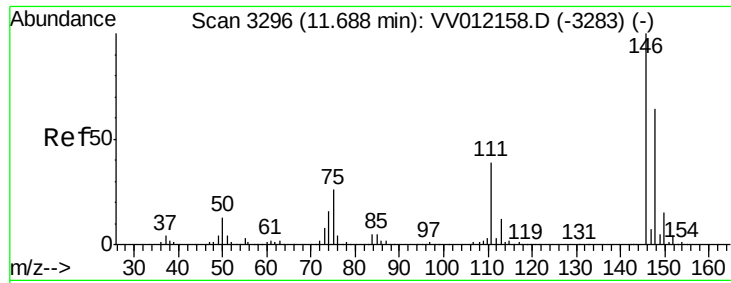
Tgt Ion:146 Resp: 19367
 Ion Ratio Lower Upper
 146 100
 111 36.3 26.3 48.9
 148 62.9 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 3.670 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion:146 Resp: 19546
 Ion Ratio Lower Upper
 146 100
 111 39.7 24.8 46.1
 148 69.8 45.6 84.6

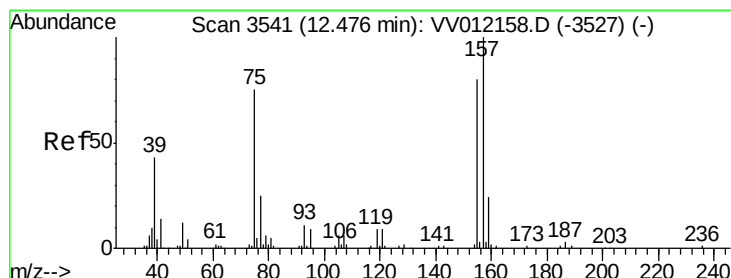
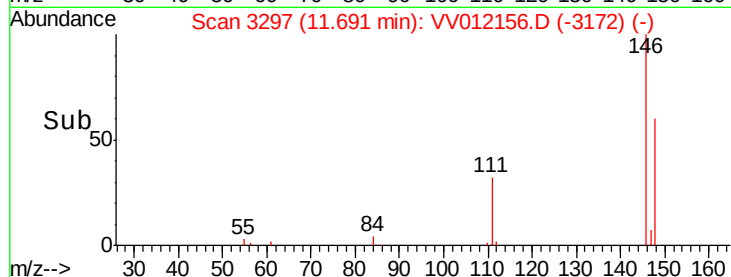
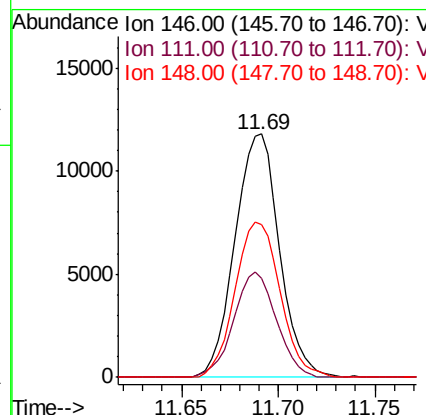
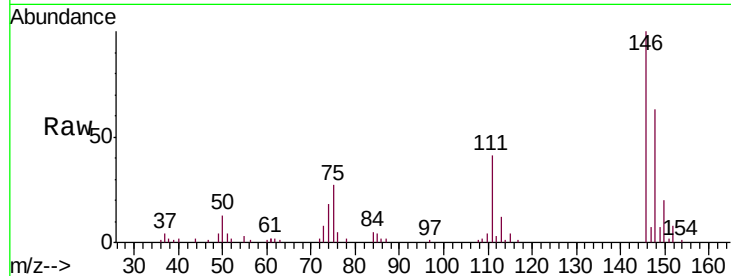




#65
 1,2-Dichlorobenzene
 Concen: 3.499 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

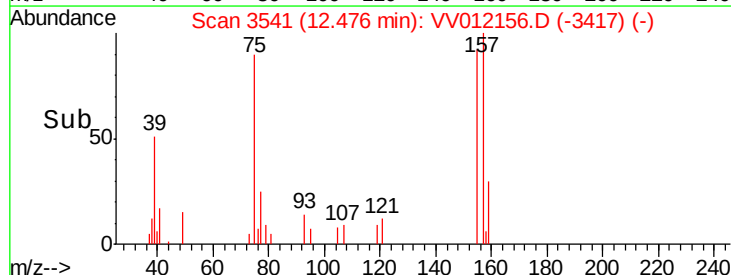
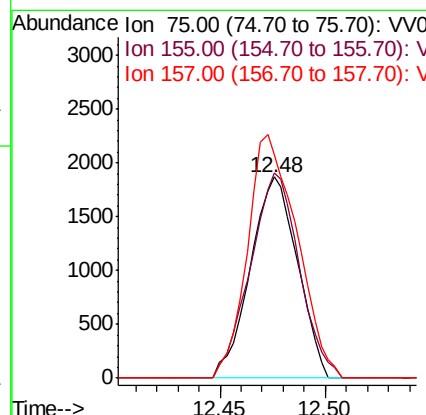
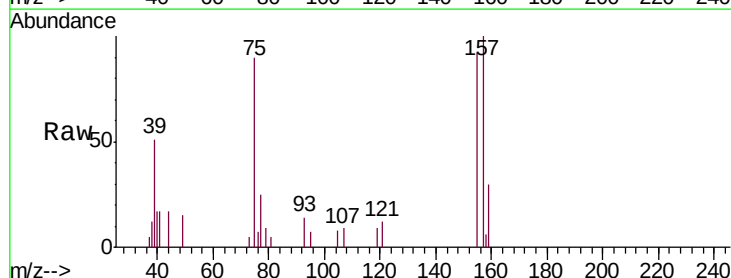
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

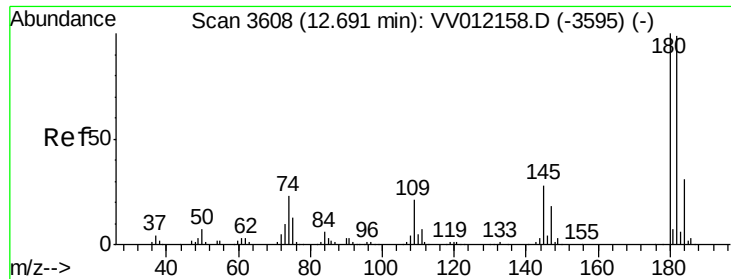
Tgt Ion: 146 Resp: 18869
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.2 46.8
 148 62.8 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.078 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion: 75 Resp: 2900
 Ion Ratio Lower Upper
 75 100
 155 102.1 85.7 128.5
 157 110.9 106.5 159.7

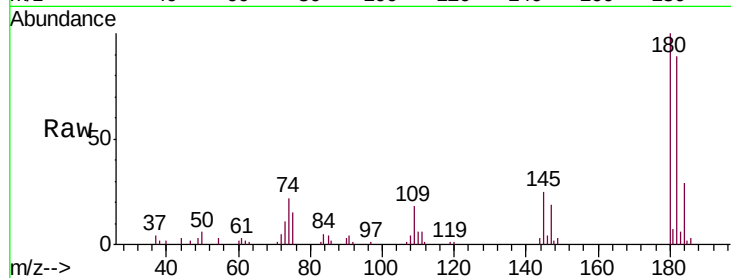




#67
 1,3,5-Trichlorobenzene
 Concen: 4.293 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	77.8	116.6
184	29.5	24.9	37.3
145	27.1	22.7	34.1



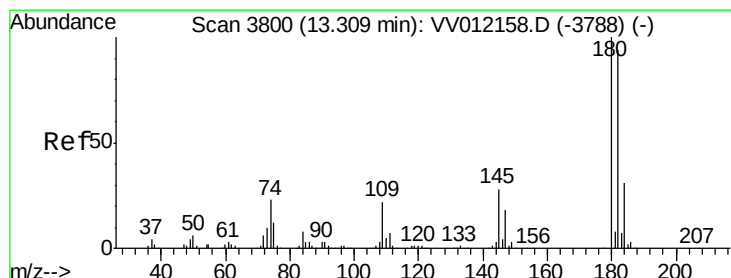
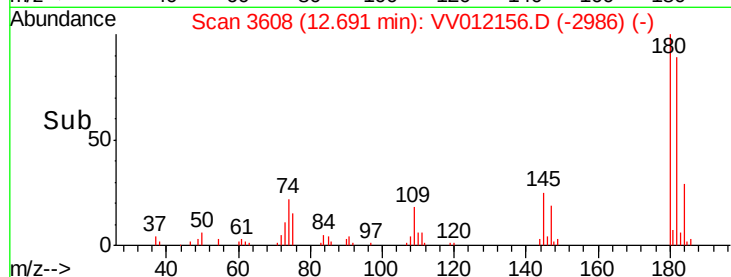
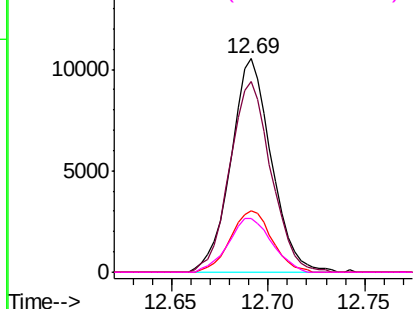
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

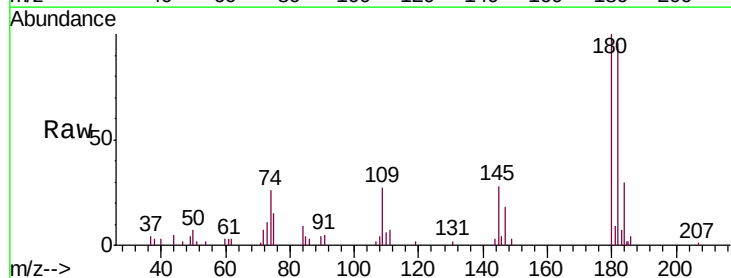
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.923 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012156.D
 Acq: 09 Aug 2019 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.3	112.9
145	28.5	23.0	34.4

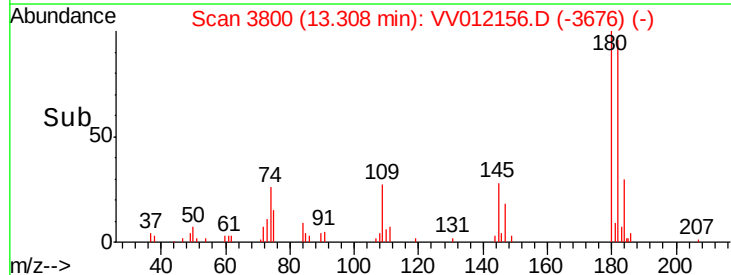
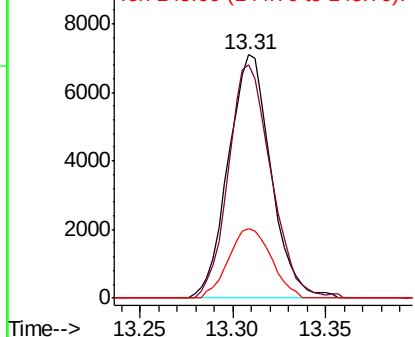


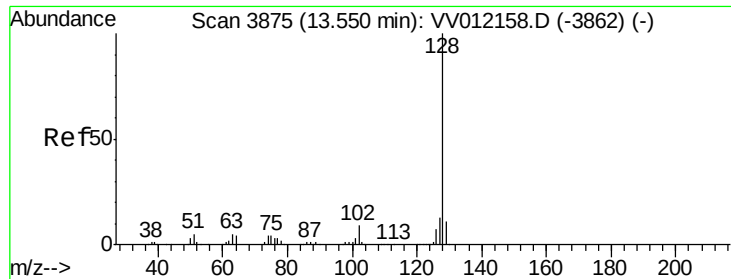
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 3.529 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

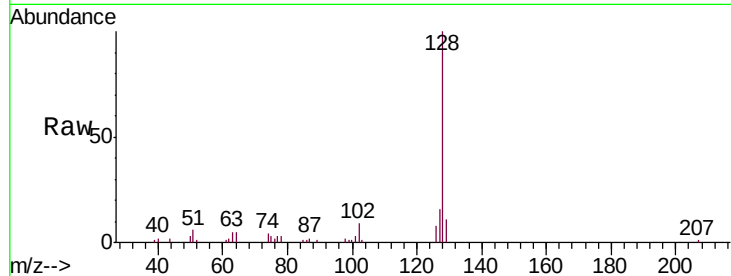
Tgt Ion:128 Resp: 27162

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

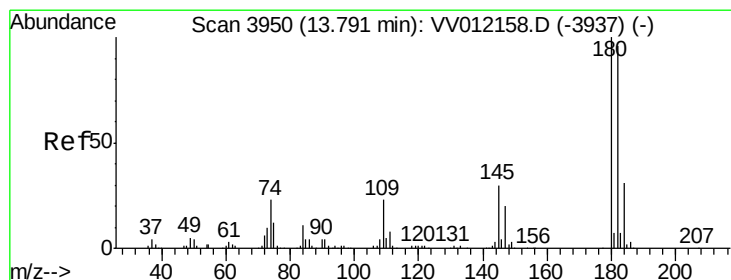
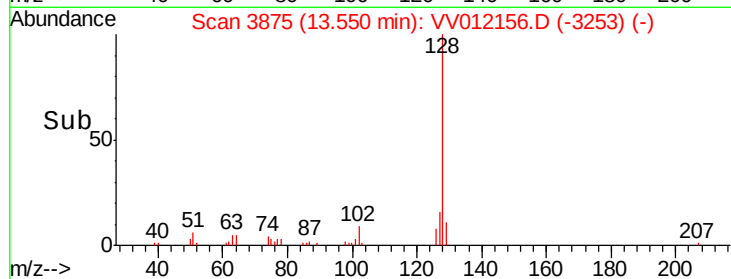
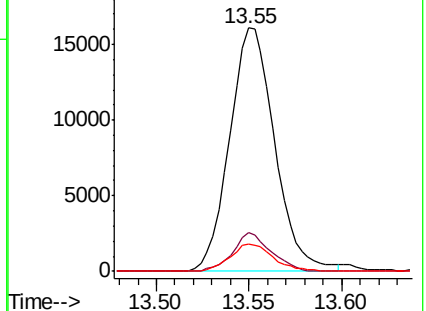
129 10.7 8.7 13.1



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: 4.245 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012156.D

Acq: 09 Aug 2019 16:28

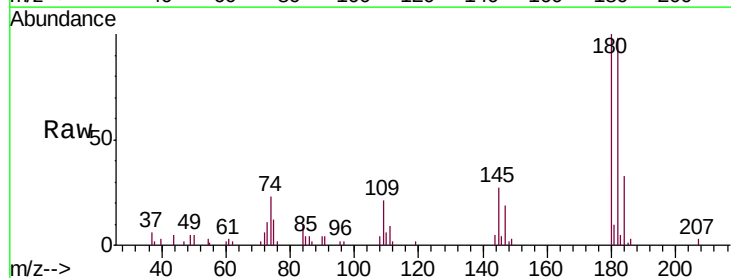
Tgt Ion:180 Resp: 12418

Ion Ratio Lower Upper

180 100

182 93.7 77.3 115.9

145 28.9 24.9 37.3



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

