

Data File : VV012802.D
Acq On : 15 Sep 2019 17:30
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: Sep 16 08:13:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 07:16:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	458171	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	437295	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	226984	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	161019	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	130757	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	265258	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	3.99	46	284850	38.09	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.18%
24) Chloroform-d	4.40	84	271034	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	131476	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.09	84	548903	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.12	67	166658	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	515879	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	7.66	79	55640	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.14	63	190942	44.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95583	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	171513	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	158662	4.106 ug/L	100
3) Chloromethane	1.25	50	160715	4.120 ug/L	100
5) Vinyl chloride	1.32	62	169125	4.248 ug/L	99
6) Bromomethane	1.53	94	92023	4.216 ug/L	99
8) Chloroethane	1.60	64	100552	4.271 ug/L	96
9) Trichlorofluoromethane	1.77	101	231989	4.644 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	133433	4.465 ug/L	100
12) 1,1-Dichloroethene	2.14	96	120998	4.252 ug/L	98
13) Acetone	2.26	43	183536	41.868 ug/L	58
14) Carbon disulfide	2.31	76	301870	3.944 ug/L	100
15) Methyl Acetate	2.48	43	62680	5.315 ug/L #	87
16) Methylene chloride	2.53	84	135881	3.906 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	312247	4.676 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	131880	4.121 ug/L	98
19) 1,1-Dichloroethane	3.22	63	267546	4.442 ug/L	99
21) 2-Butanone	4.08	43	356690	47.448 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	145480	4.185 ug/L	99

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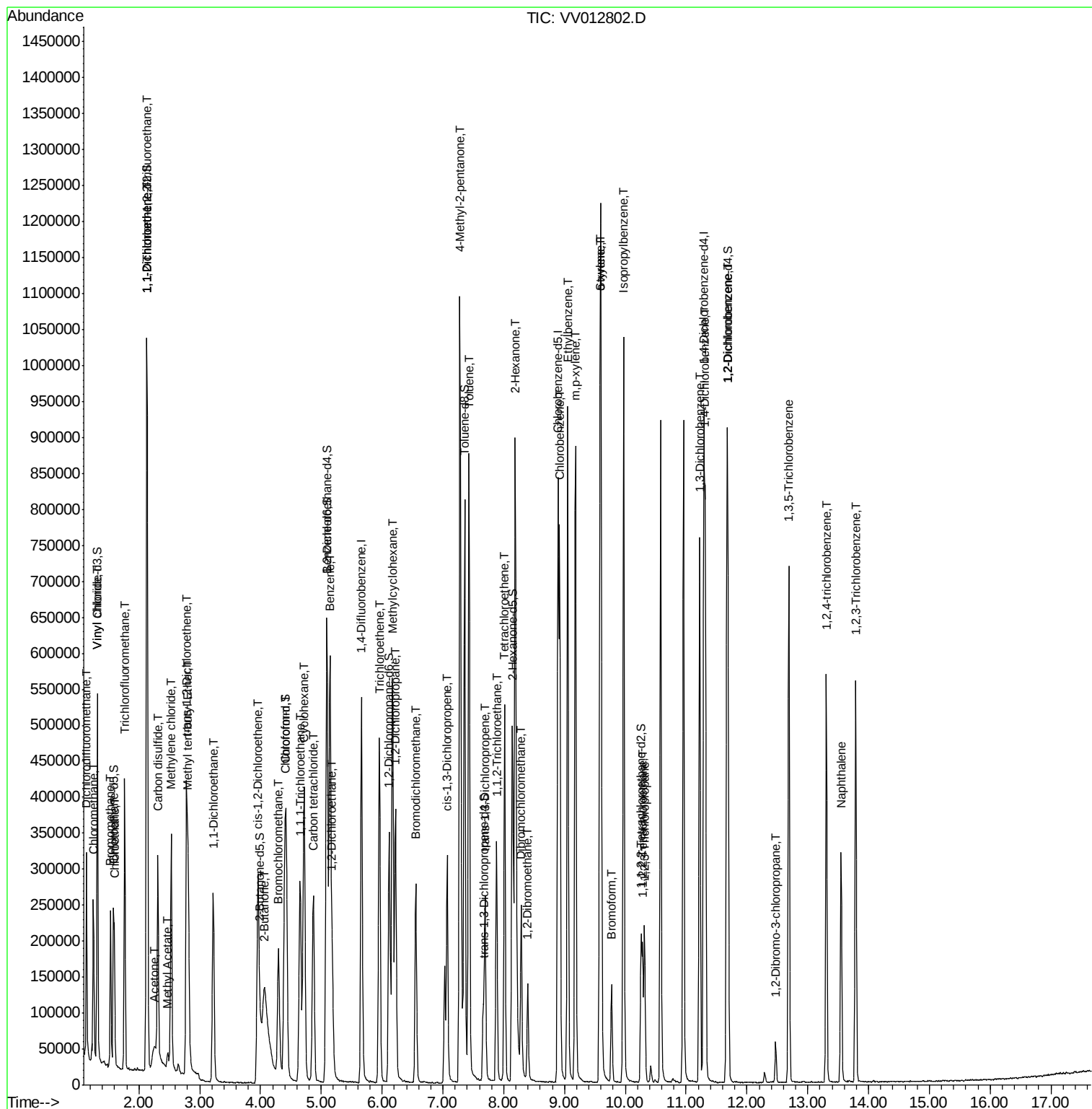
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	62318	4.195	ug/L	94
25) Chloroform	4.42	83	281071	4.237	ug/L	99
27) 1,2-Dichloroethane	5.18	62	157893	4.540	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	217846	4.526	ug/L	100
30) Cyclohexane	4.72	56	209067	4.363	ug/L	98
31) Carbon tetrachloride	4.87	117	187549	4.424	ug/L	100
33) Benzene	5.14	78	582461	4.557	ug/L	100
34) Trichloroethene	5.96	95	160330	4.540	ug/L	98
35) Methylcyclohexane	6.17	83	213892	4.285	ug/L	99
37) 1,2-Dichloropropane	6.22	63	149253	4.689	ug/L	100
38) Bromodichloromethane	6.55	83	186001	4.512	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	182845	4.378	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	874042	49.530	ug/L	99
42) Toluene	7.43	91	625174	4.709	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	139019	4.414	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	100819	4.547	ug/L	97
47) Tetrachloroethene	8.02	164	119321	4.304	ug/L	98
48) 2-Hexanone	8.19	43	679209	53.791	ug/L	99
49) Dibromochloromethane	8.29	129	117105	4.441	ug/L	97
50) 1,2-Dibromoethane	8.40	107	88514	4.505	ug/L	97
51) Chlorobenzene	8.92	112	394888	4.524	ug/L	99
52) Ethylbenzene	9.05	91	638621	4.472	ug/L	100
53) m,p-xylene	9.18	106	247015	4.576	ug/L	99
54) o-xylene	9.59	106	236929	4.582	ug/L	100
55) Styrene	9.60	104	415886	4.837	ug/L	99
56) Isopropylbenzene	9.97	105	634295	4.631	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	89702	4.058	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	87957	4.684	ug/L	99
61) Bromoform	9.77	173	60346	3.988	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	310022	4.409	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	310229	4.371	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	288700	4.360	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	13099	3.797	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	220958	4.149	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	173187	4.108	ug/L	99
69) Naphthalene	13.55	128	253156	3.972	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	172121	4.329	ug/L	100

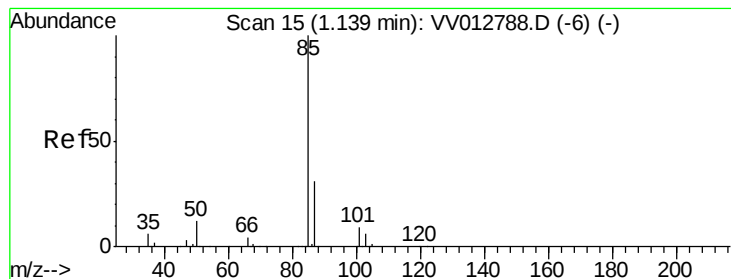
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.106 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

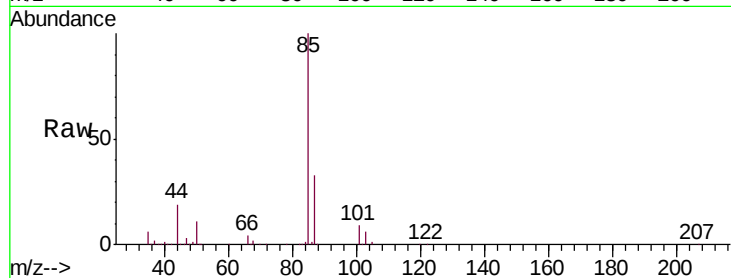
VSTD00556

Tgt Ion: 85 Resp: 158662

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012788.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV012788.D (-6) (-)

1.14

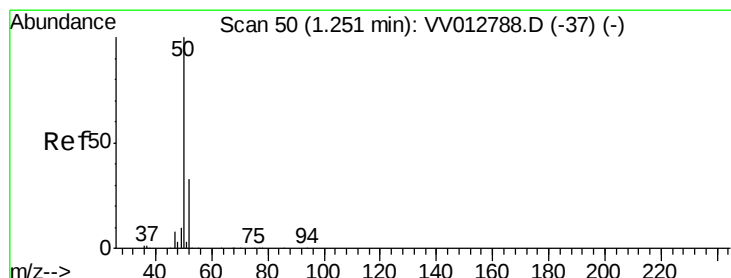
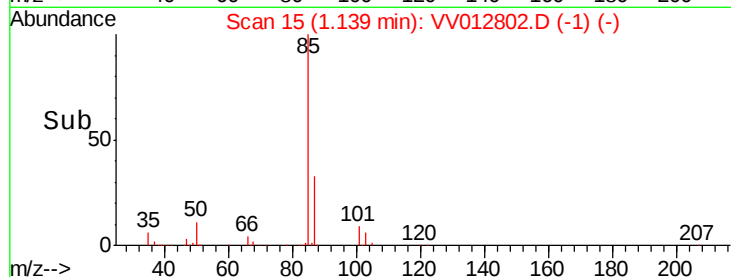
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.120 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012802.D

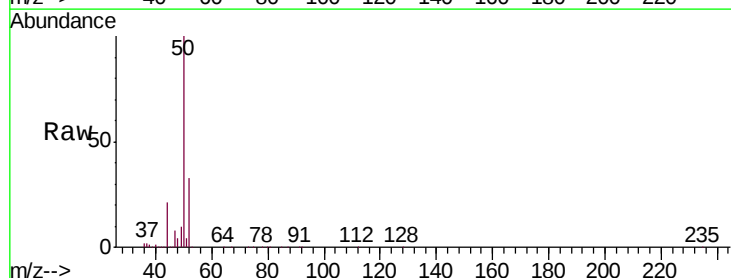
Acq: 15 Sep 2019 17:30

Tgt Ion: 50 Resp: 160715

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV012788.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV012788.D (-37) (-)

1.25

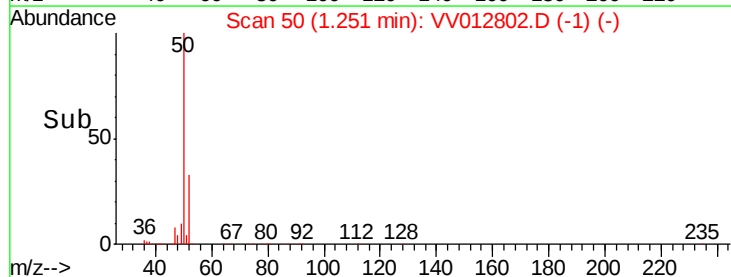
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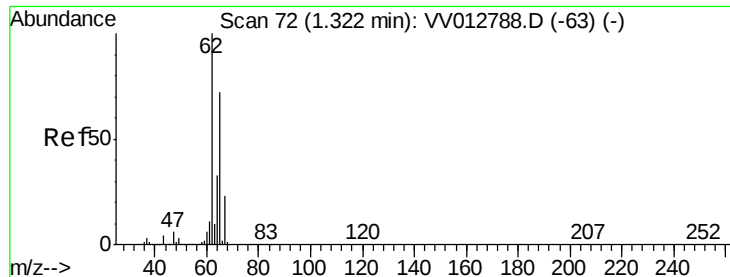
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.248 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

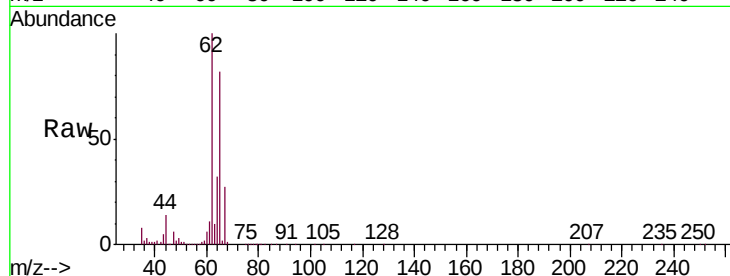
VSTD00556

Tgt Ion: 62 Resp: 169125

Ion Ratio Lower Upper

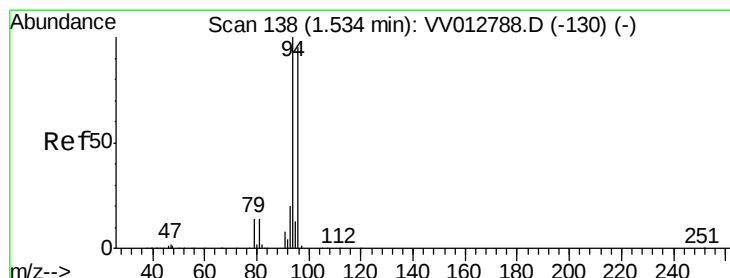
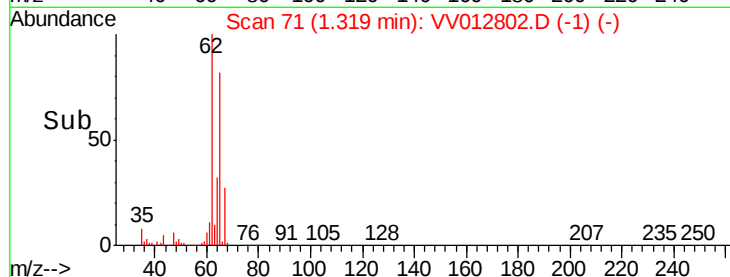
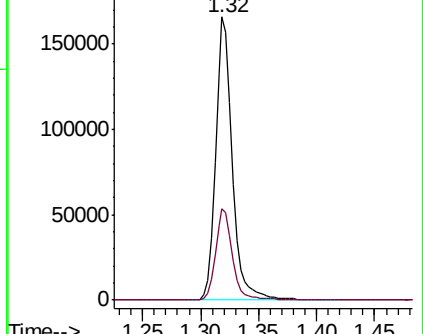
62 100

64 32.4 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.216 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012802.D

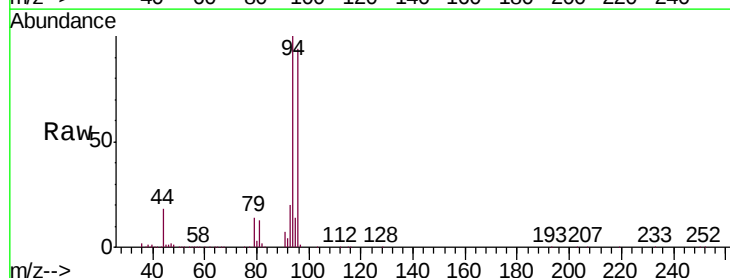
Acq: 15 Sep 2019 17:30

Tgt Ion: 94 Resp: 92023

Ion Ratio Lower Upper

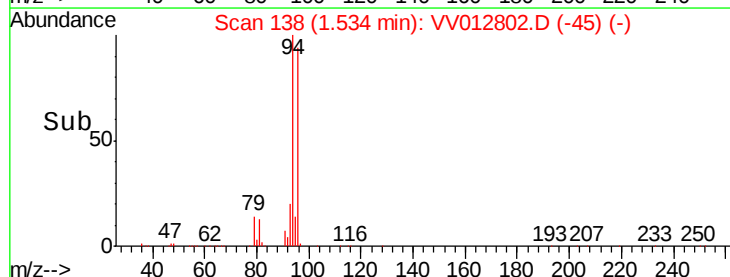
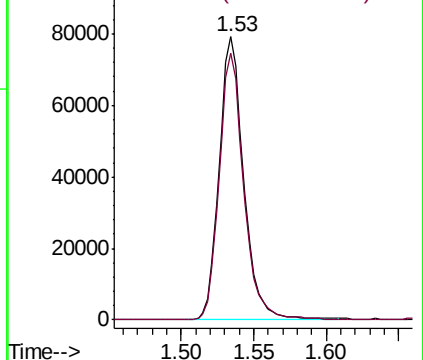
94 100

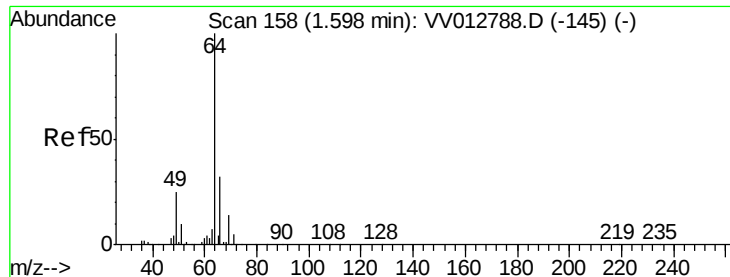
96 94.2 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

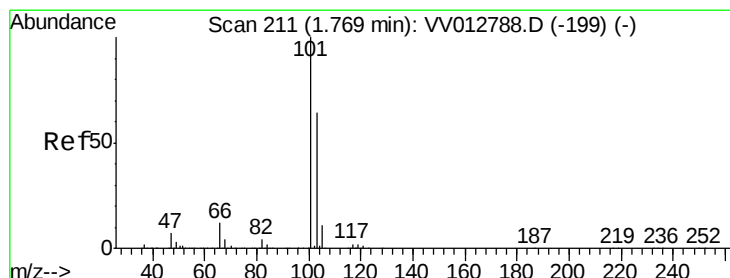
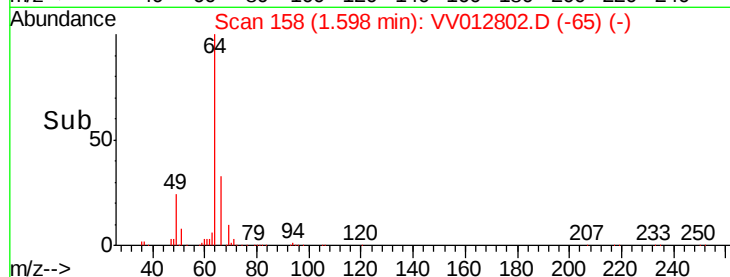
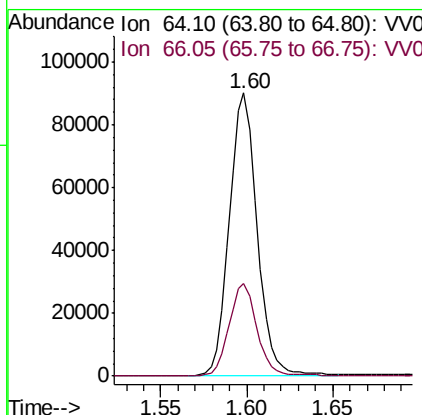
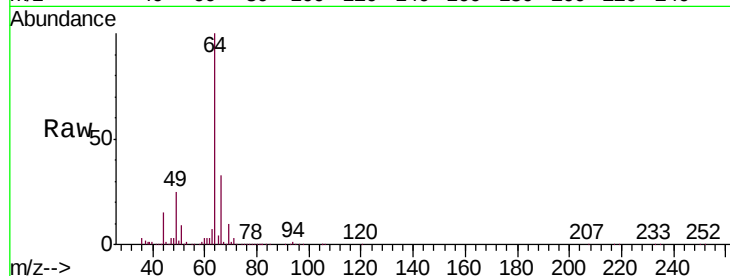




#8
Chloroethane
Concen: 4.271 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

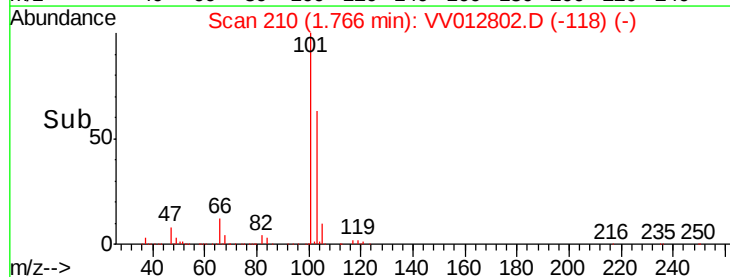
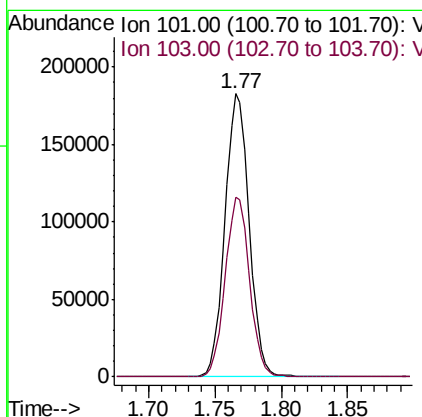
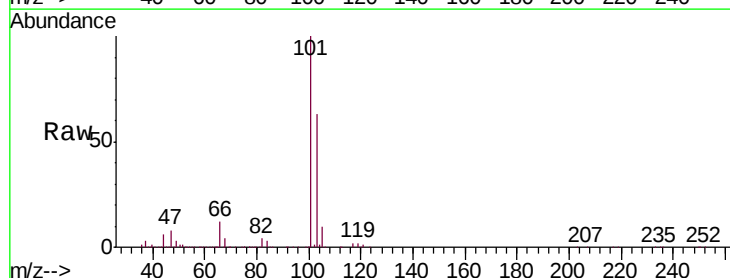
Instrument :
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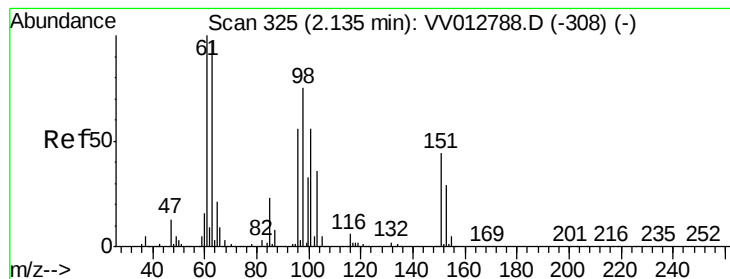
Tgt Ion: 64 Resp: 100552
Ion Ratio Lower Upper
64 100
66 32.7 21.6 40.0



#9
Trichlorofluoromethane
Concen: 4.644 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Tgt Ion: 101 Resp: 231989
Ion Ratio Lower Upper
101 100
103 63.9 52.9 79.3





#10

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

Concen: 4.465 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

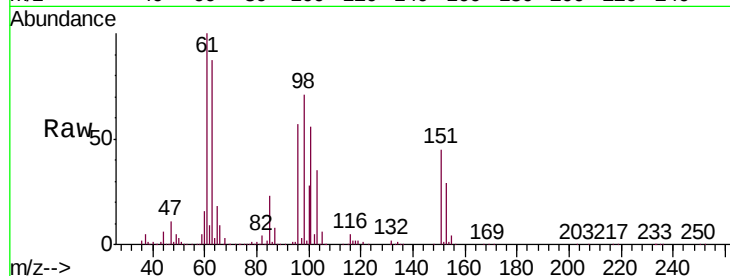
Tgt Ion: 101 Resp: 133433

Ion Ratio Lower Upper

101 100

85 42.1 33.0 49.6

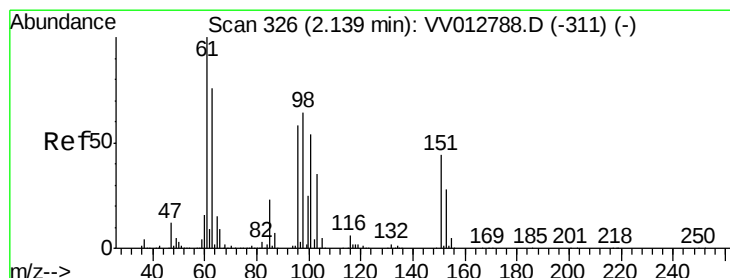
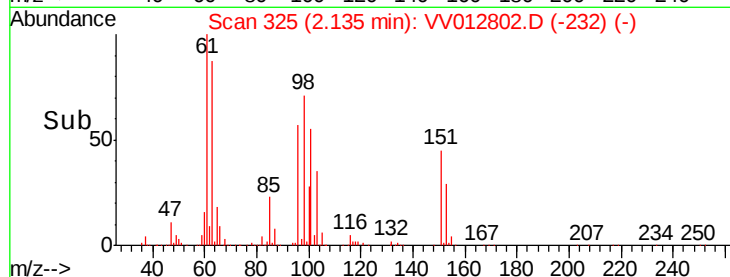
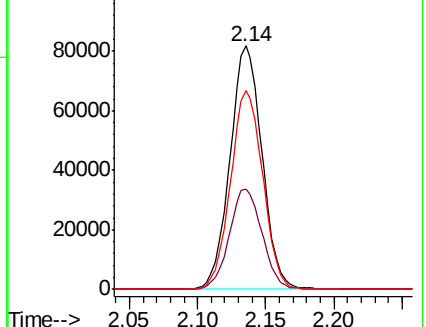
151 82.3 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): VV012788.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV012788.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV012788.D (-308) (-)



#12

1,1-Dichloroethene

Concen: 4.252 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

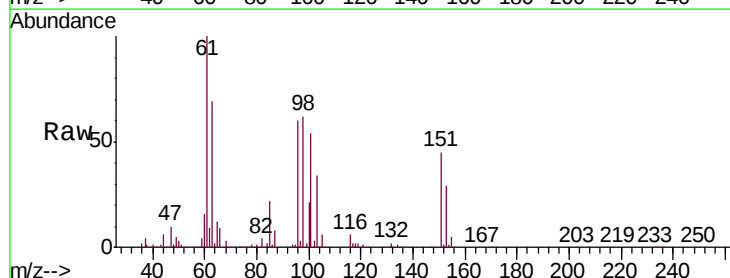
Tgt Ion: 96 Resp: 120998

Ion Ratio Lower Upper

96 100

61 167.2 115.8 215.0

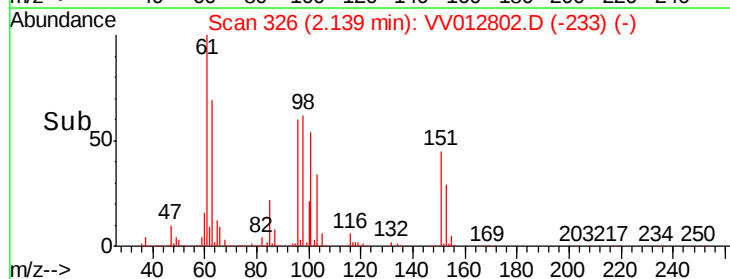
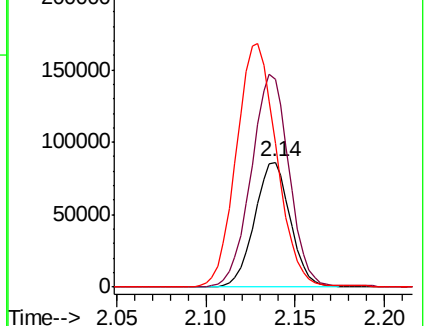
63 115.6 79.4 147.4

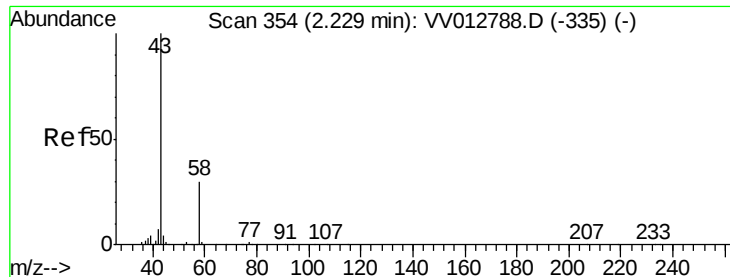


Abundance Ion 96.00 (95.70 to 96.70): VV012788.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV012788.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV012788.D (-311) (-)





#13

Acetone

Concen: 41.868 ug/L

RT: 2.26 min Scan# 365

Delta R.T. 0.04 min

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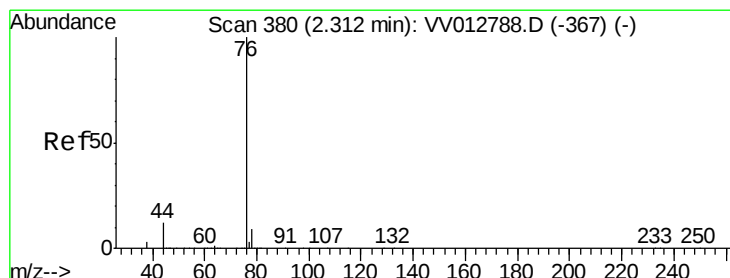
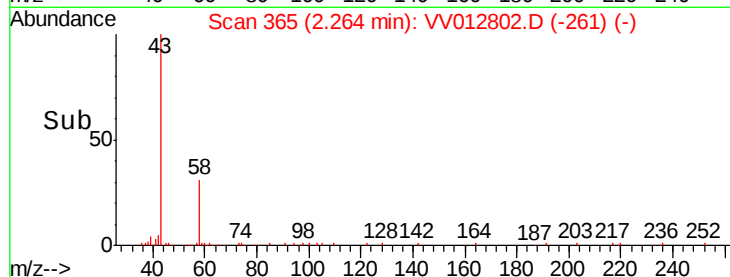
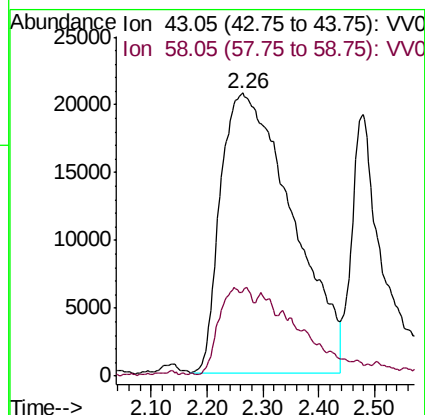
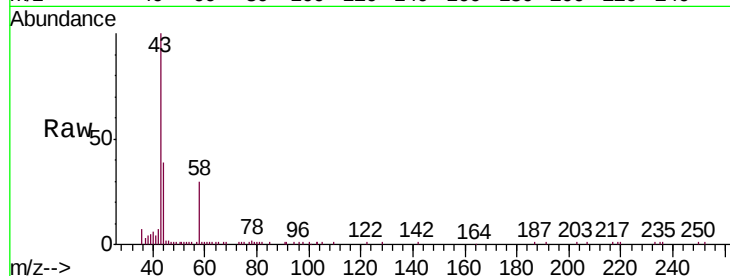
VSTD00556

Tgt Ion: 43 Resp: 183536

Ion Ratio Lower Upper

43 100

58 9.5 0.0 67.4



#14

Carbon disulfide

Concen: 3.944 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012802.D

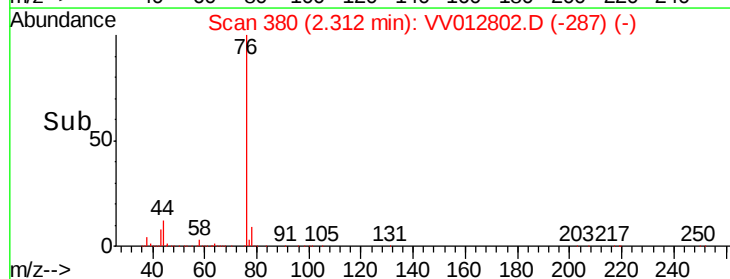
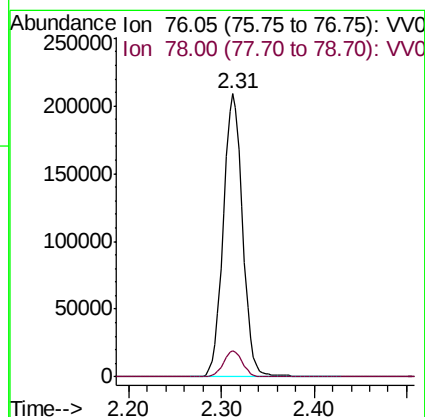
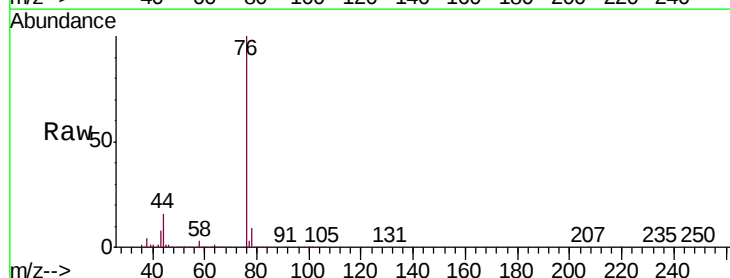
Acq: 15 Sep 2019 17:30

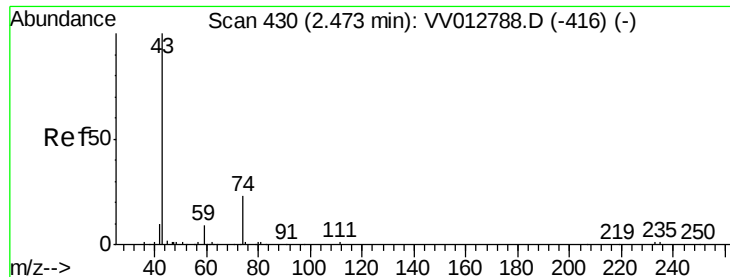
Tgt Ion: 76 Resp: 301870

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 5.315 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.01 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

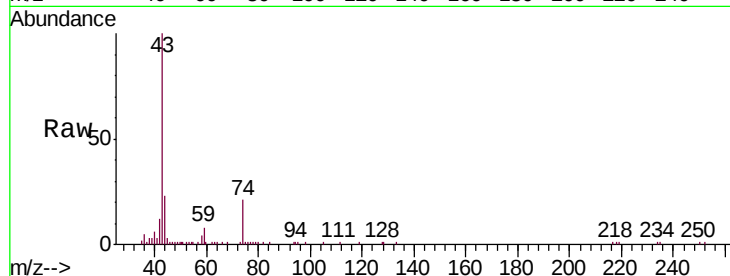
VSTD00556

Tgt Ion: 43 Resp: 62680

Ion Ratio Lower Upper

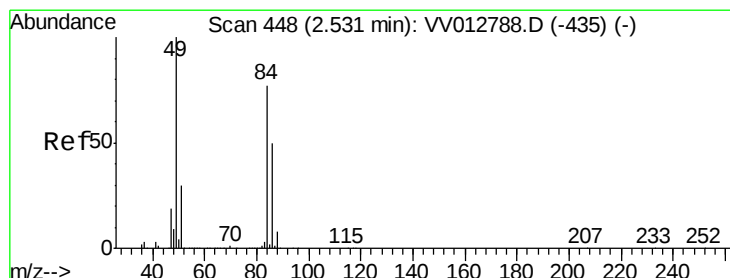
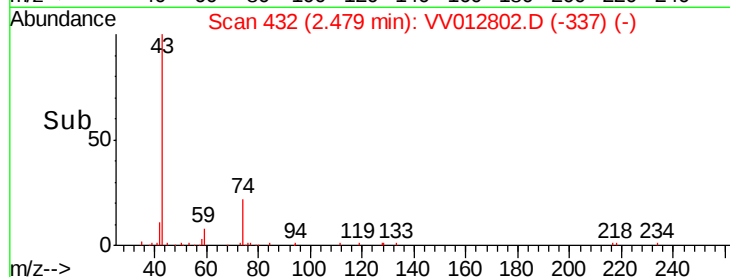
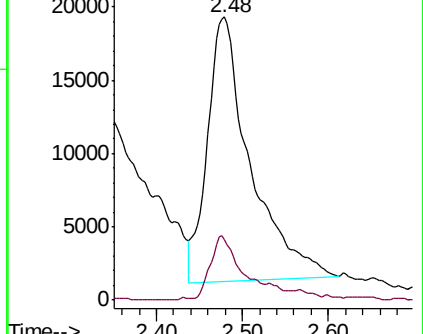
43 100

74 18.2 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012788.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV012788.D (-416) (-)



#16

Methylene chloride

Concen: 3.906 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

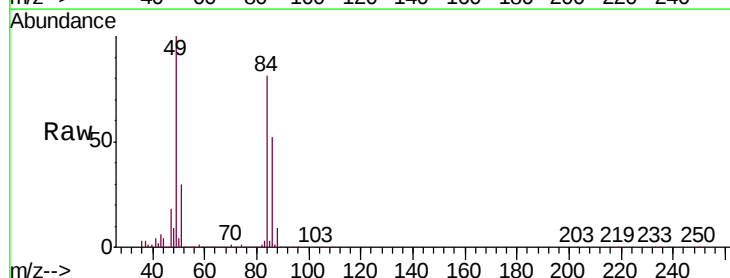
Tgt Ion: 84 Resp: 135881

Ion Ratio Lower Upper

84 100

86 64.2 46.1 85.7

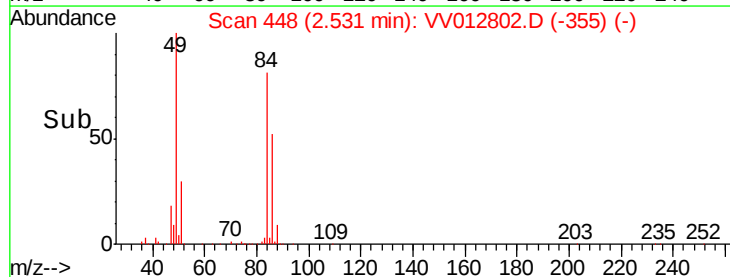
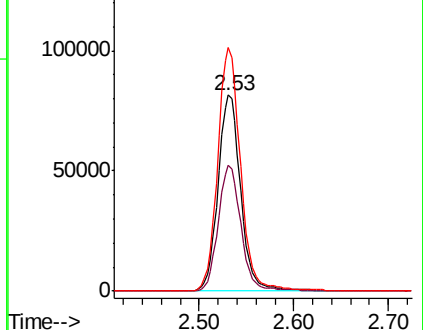
49 124.1 85.3 158.3

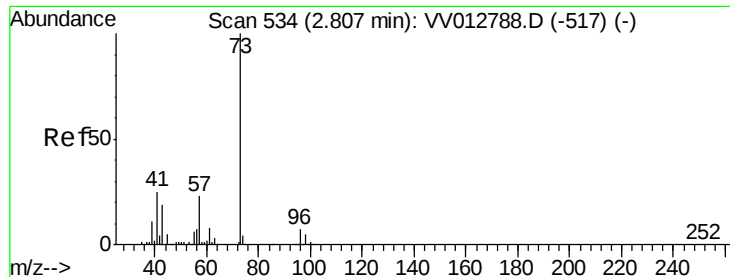


Abundance Ion 84.05 (83.75 to 84.75): VV012788.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV012788.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV012788.D (-435) (-)





#17

Methyl tert-butyl Ether

Concen: 4.676 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

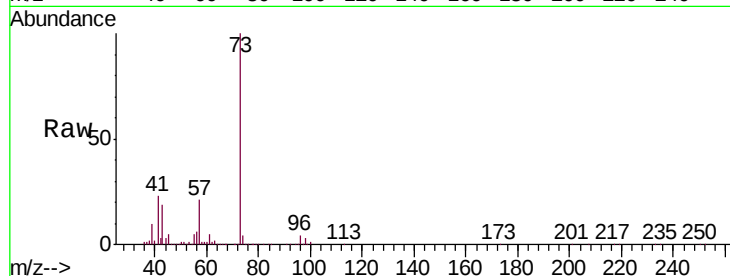
Tgt Ion: 73 Resp: 312247

Ion Ratio Lower Upper

73 100

43 18.1 14.6 21.8

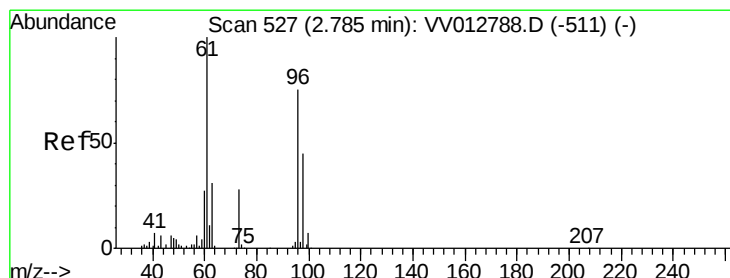
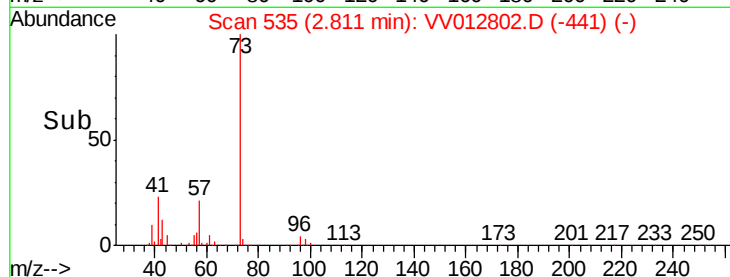
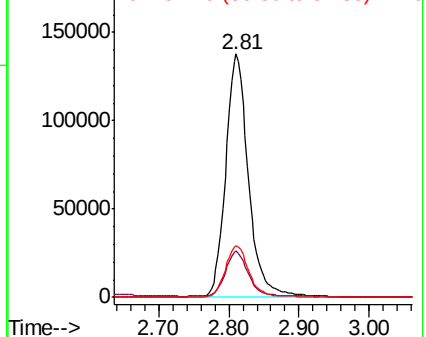
57 21.8 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.121 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

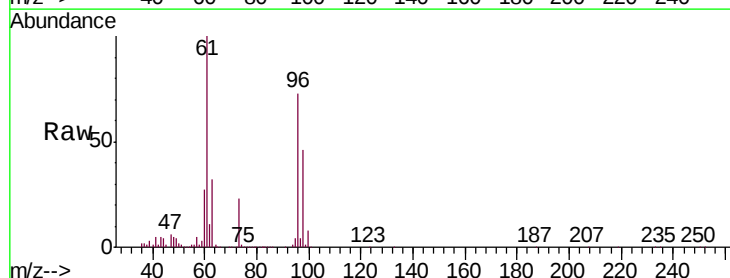
Tgt Ion: 96 Resp: 131880

Ion Ratio Lower Upper

96 100

61 136.8 93.0 172.8

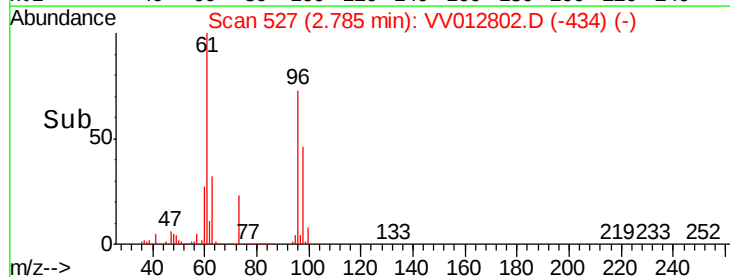
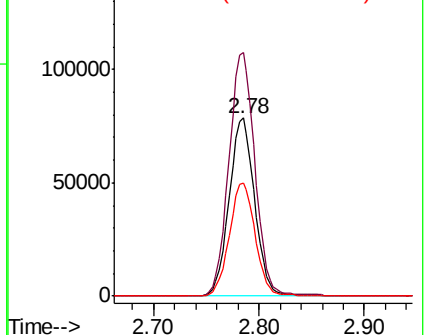
98 63.6 44.7 83.1

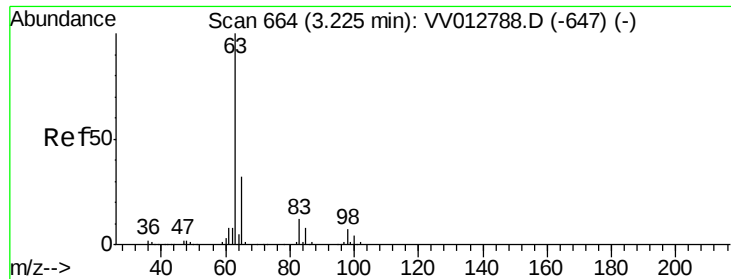


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

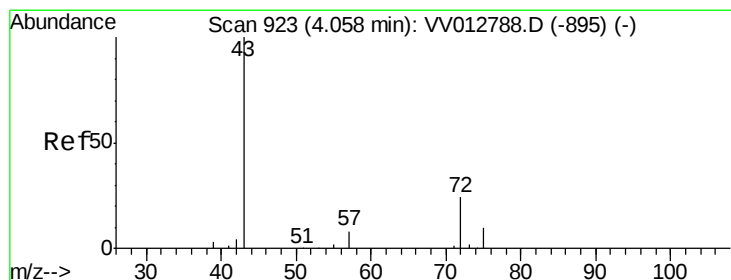
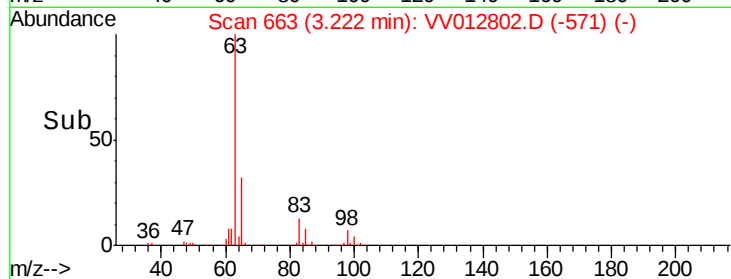
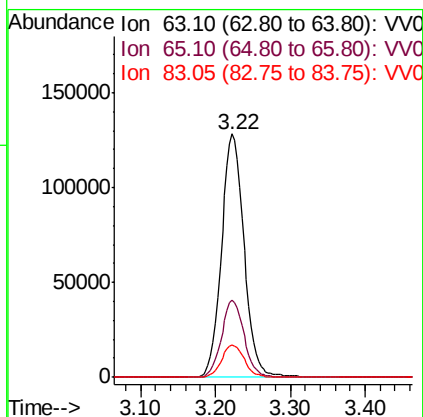
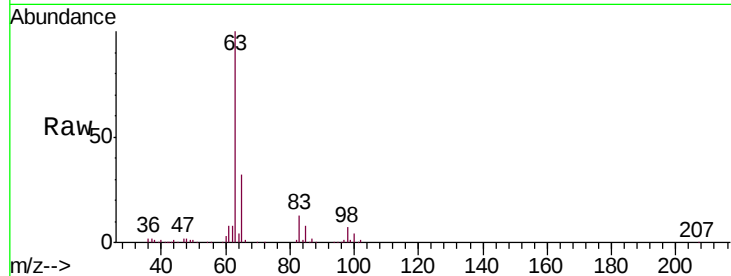




#19
 1,1-Dichloroethane
 Concen: 4.442 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

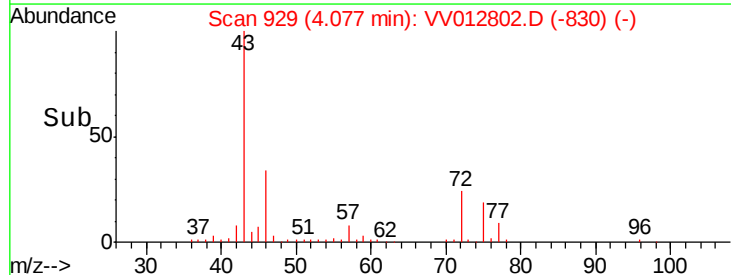
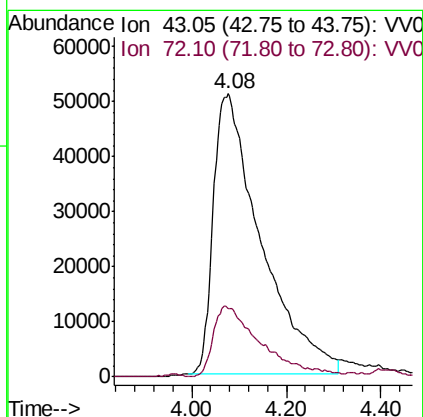
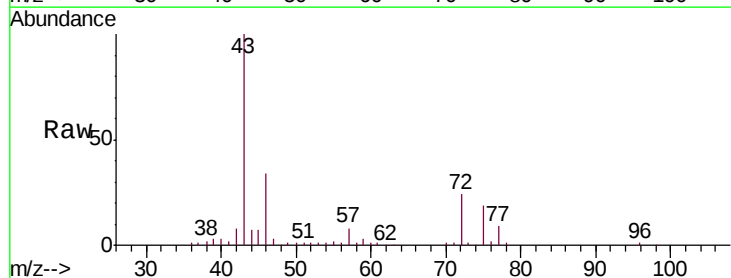
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

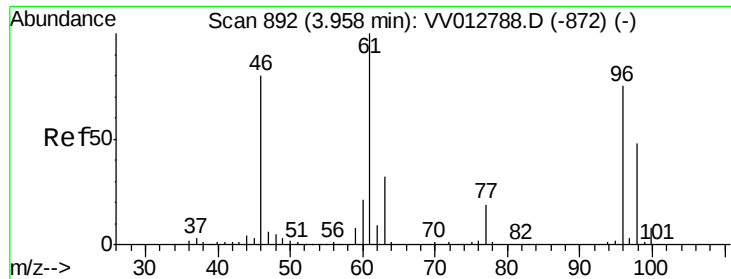
Tgt Ion: 63 Resp: 267546
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.7 42.3
 83 13.2 9.1 16.9



#21
 2-Butanone
 Concen: 47.448 ug/L
 RT: 4.08 min Scan# 929
 Delta R.T. 0.02 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion: 43 Resp: 356690
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.0 38.9



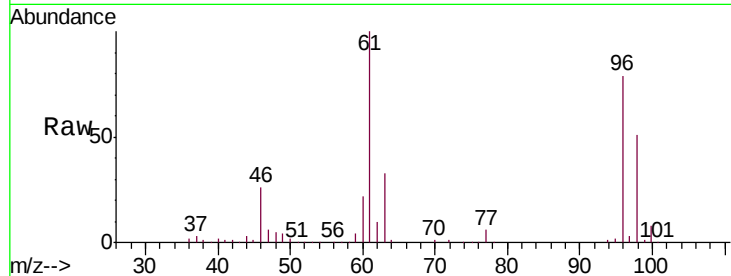


#22

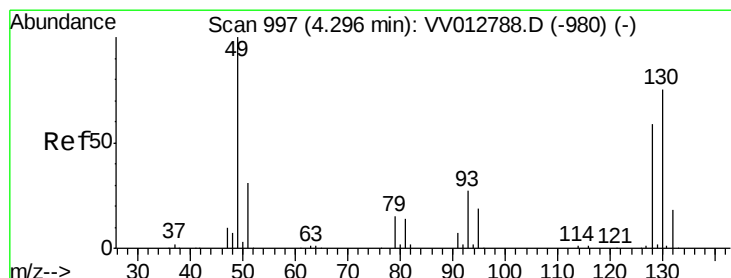
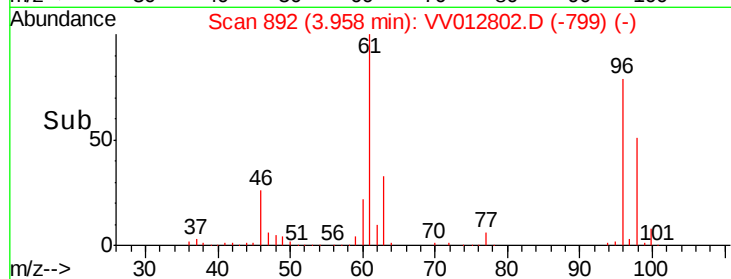
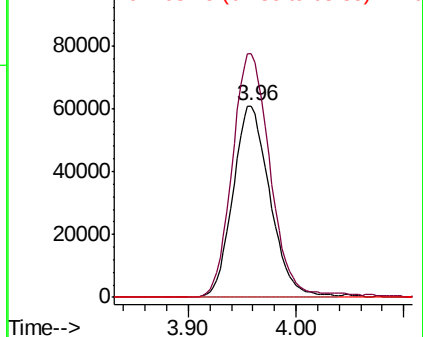
cis-1,2-Dichloroethene
 Concen: 4.185 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion: 96 Resp: 145480
 Ion Ratio Lower Upper
 96 100
 61 127.0 89.7 166.5
 68 0.0 0.0 0.0



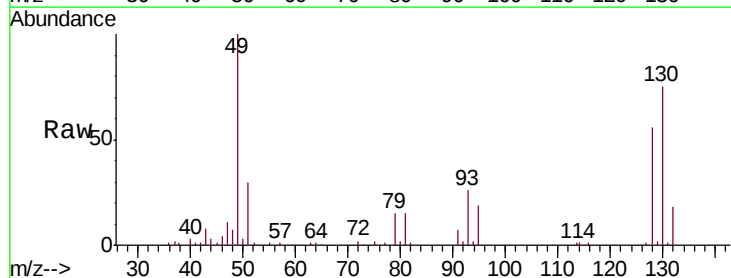
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



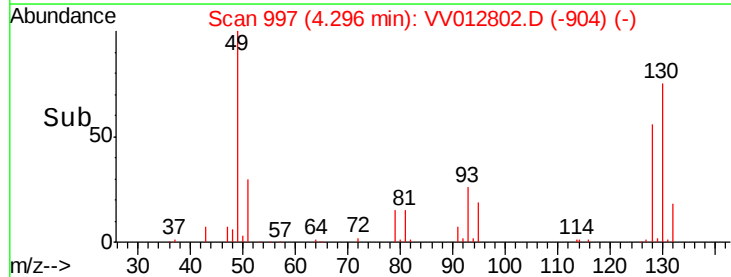
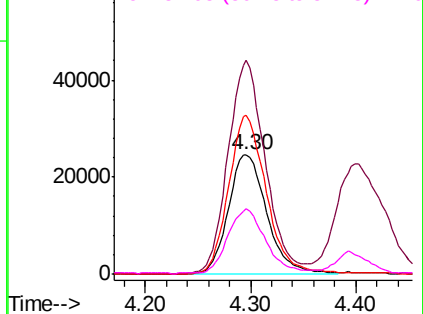
#23

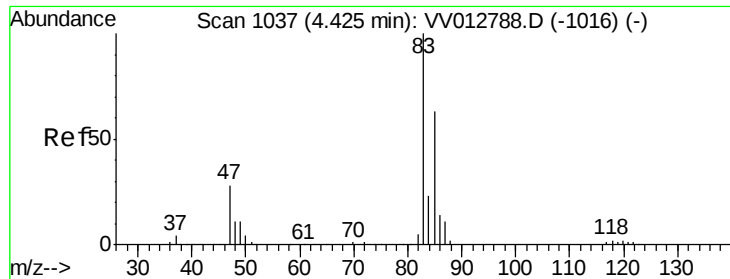
Bromochloromethane
 Concen: 4.195 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion: 128 Resp: 62318
 Ion Ratio Lower Upper
 128 100
 49 179.0 115.2 214.0
 130 133.5 92.9 172.5
 51 54.4 40.8 61.2



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

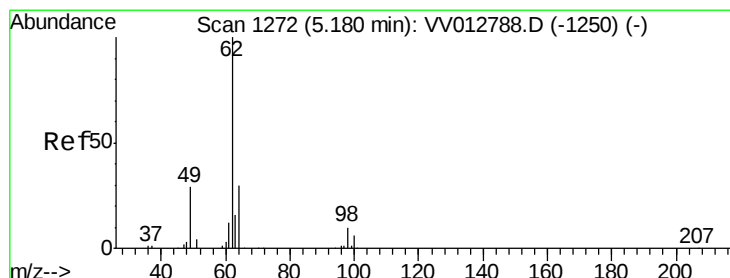
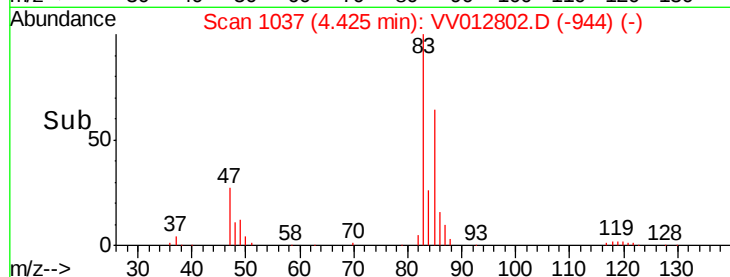
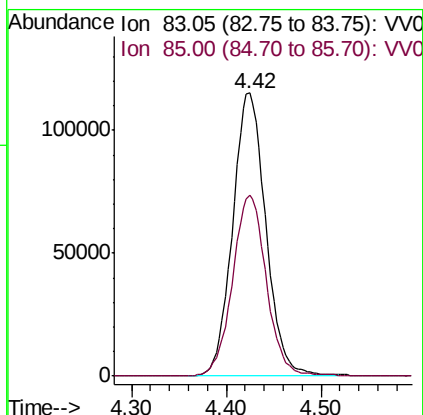
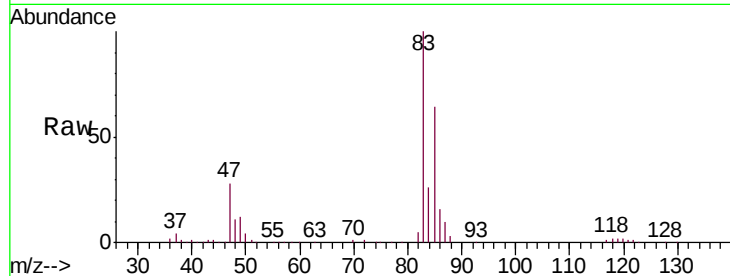




#25
Chloroform
Concen: 4.237 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

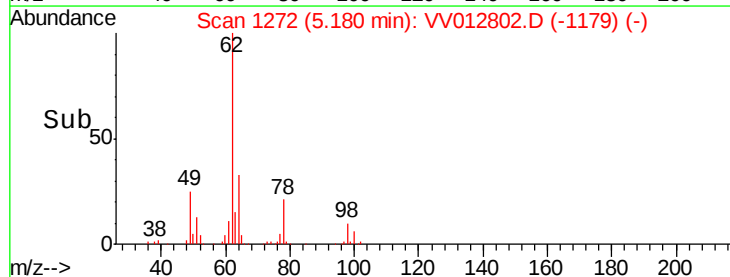
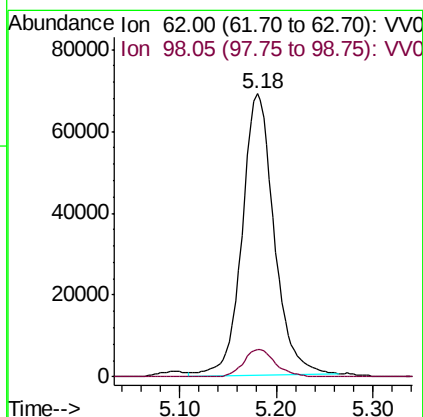
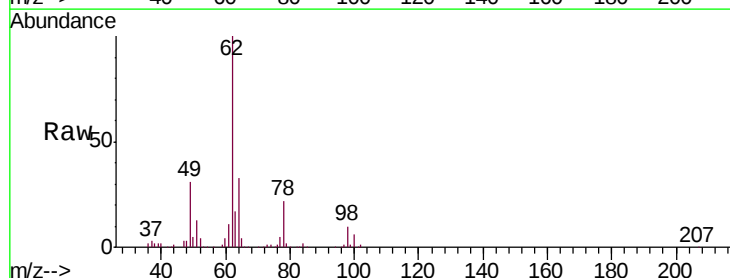
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

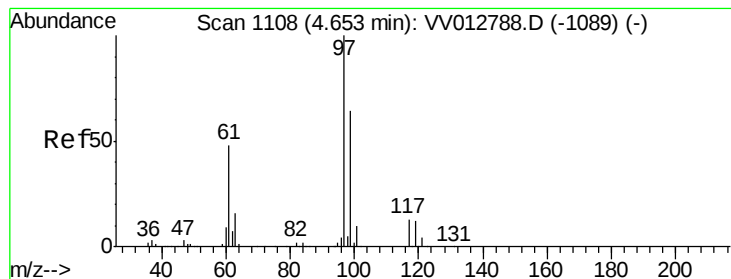
Tgt Ion: 83 Resp: 281071
Ion Ratio Lower Upper
83 100
85 64.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.540 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Tgt Ion: 62 Resp: 157893
Ion Ratio Lower Upper
62 100
98 9.7 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.526 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

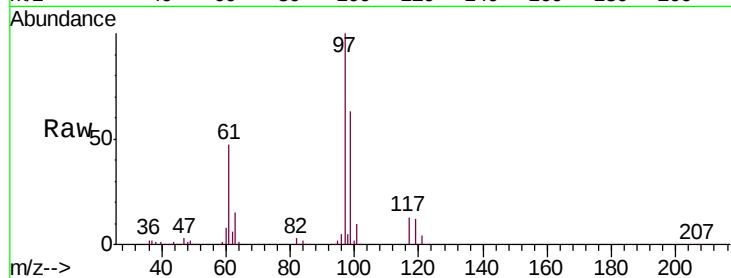
Tgt Ion: 97 Resp: 217846

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

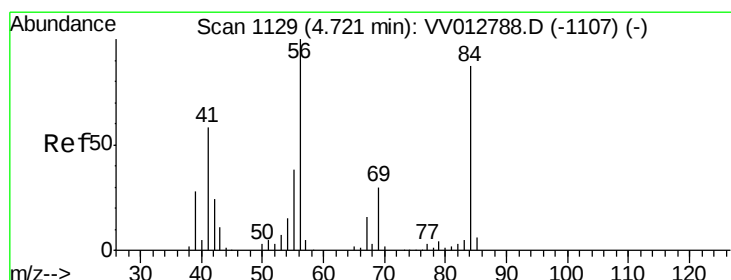
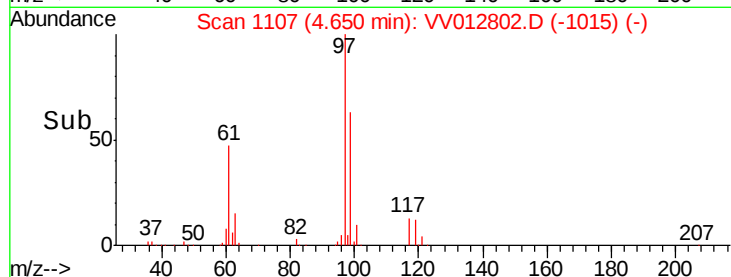
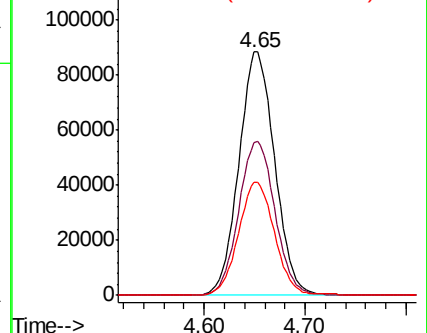
61 47.1 37.5 56.3



Abundance Ion 96.95 (96.65 to 97.65): VV012788.D (-1089) (-)

Ion 99.05 (98.75 to 99.75): VV012788.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VV012788.D (-1089) (-)



#30

Cyclohexane

Concen: 4.363 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

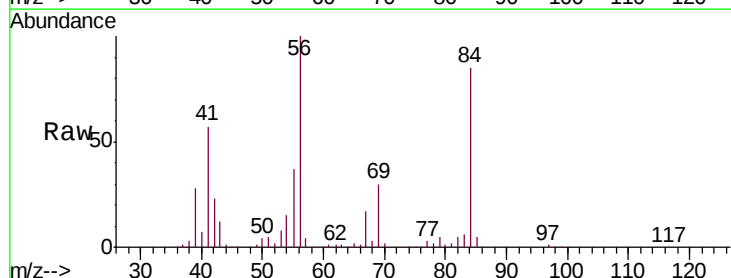
Tgt Ion: 56 Resp: 209067

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

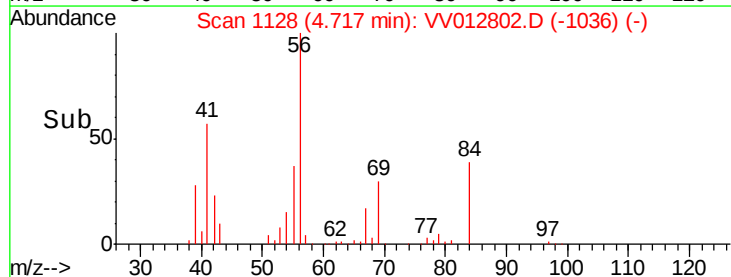
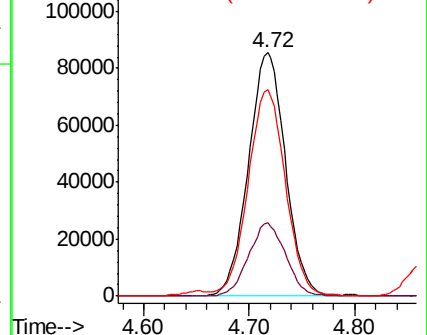
84 85.2 70.1 105.1

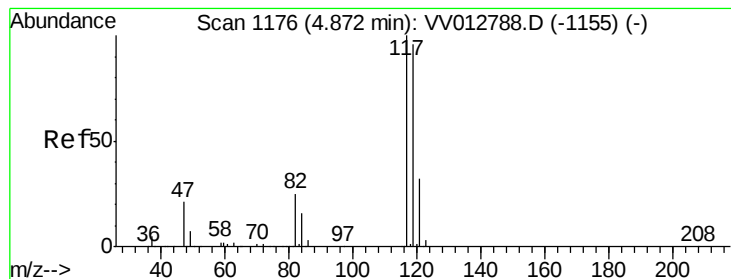


Abundance Ion 56.10 (55.80 to 56.80): VV012788.D (-1107) (-)

Ion 69.15 (68.85 to 69.85): VV012788.D (-1107) (-)

Ion 84.15 (83.85 to 84.85): VV012788.D (-1107) (-)





#31

Carbon tetrachloride

Concen: 4.424 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

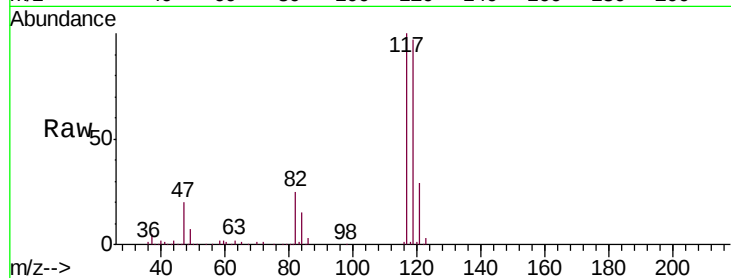
VSTD00556

Tgt Ion:117 Resp: 187549

Ion Ratio Lower Upper

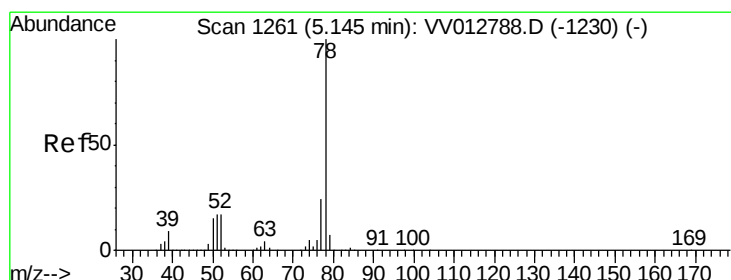
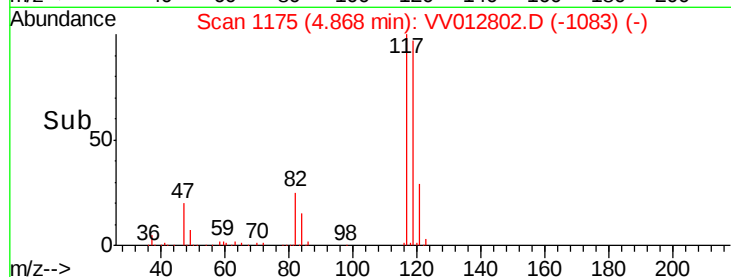
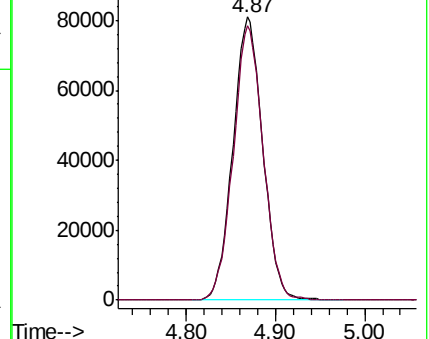
117 100

119 97.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.557 ug/L

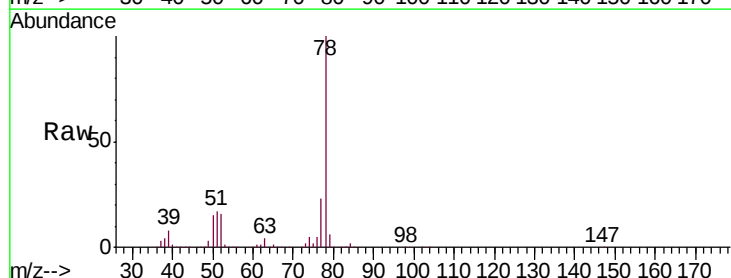
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

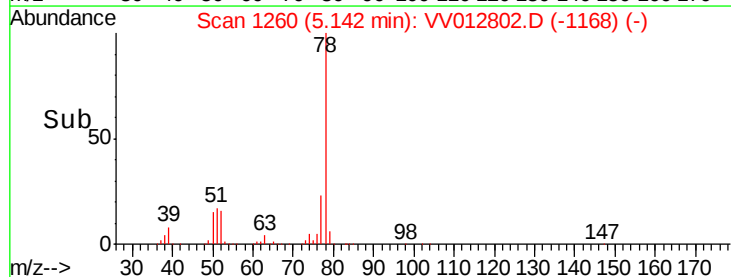
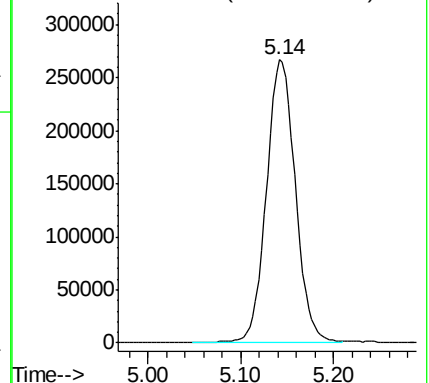
Lab File: VV012802.D

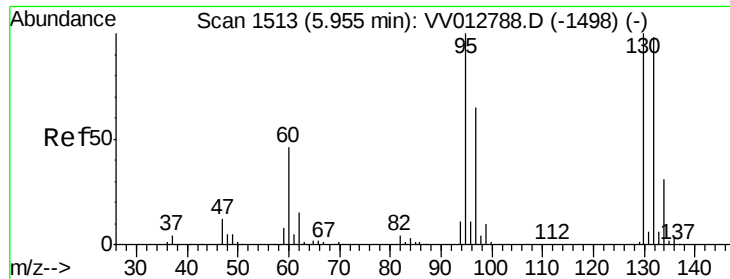
Acq: 15 Sep 2019 17:30

Tgt Ion: 78 Resp: 582461



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.540 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 160330

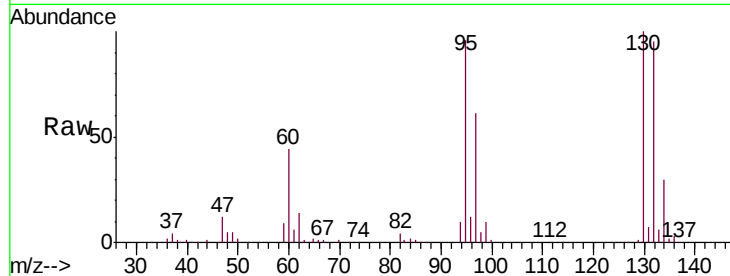
Ion Ratio Lower Upper

95 100

97 62.9 45.4 84.2

132 98.5 70.2 130.4

130 103.8 74.2 137.8

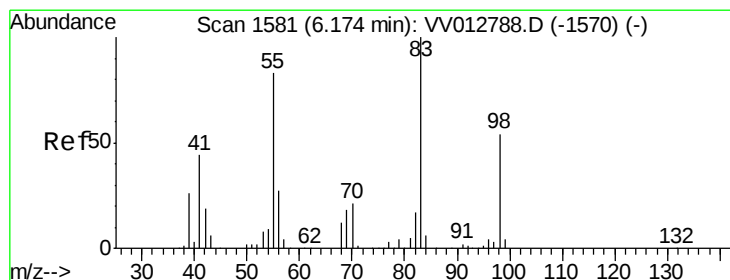
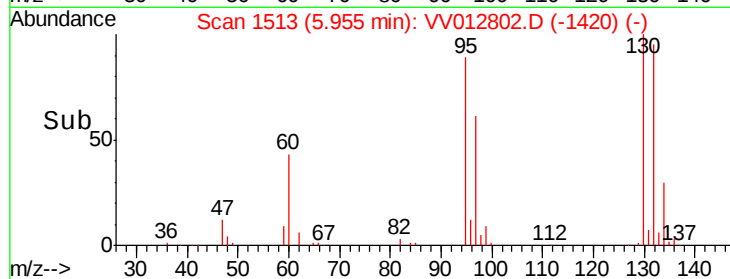
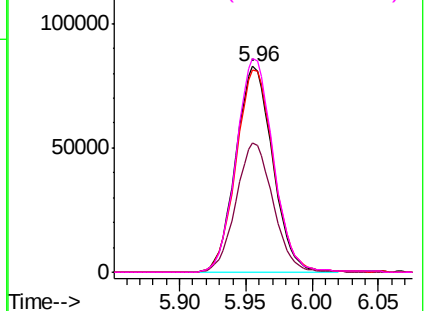


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.285 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

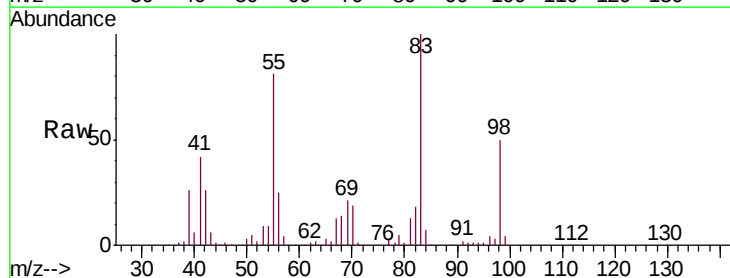
Tgt Ion: 83 Resp: 213892

Ion Ratio Lower Upper

83 100

55 79.6 63.0 94.4

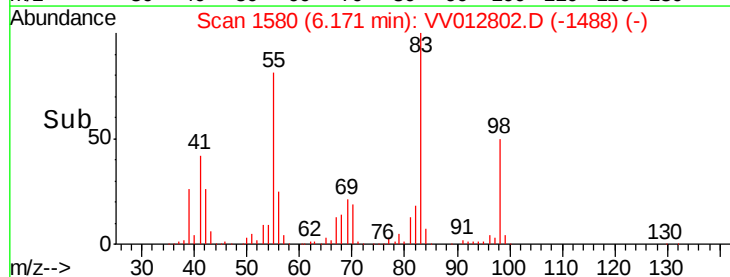
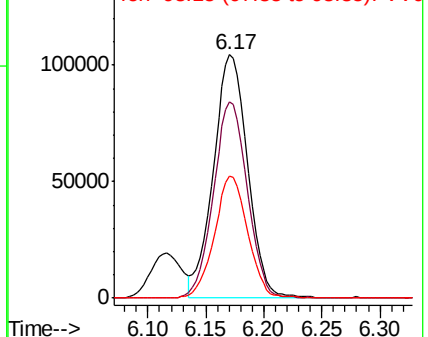
98 49.1 39.8 59.8

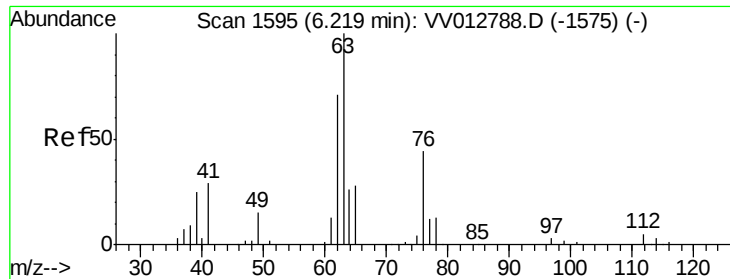


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

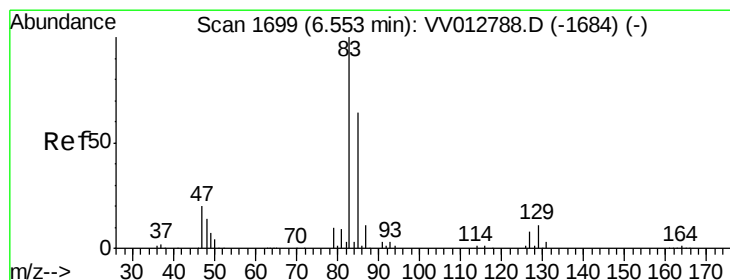
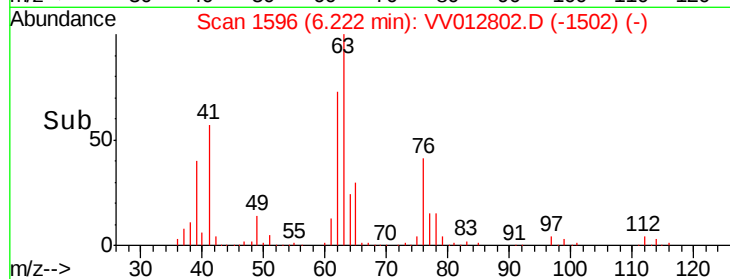
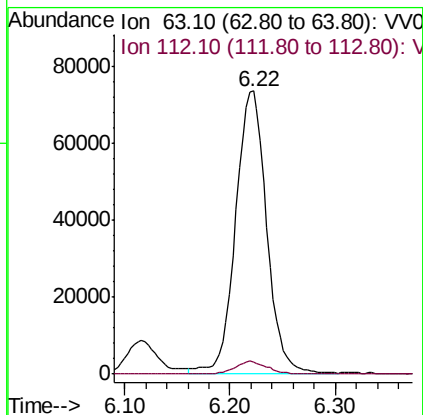
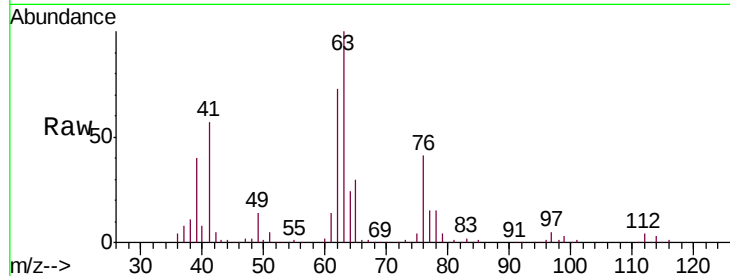




#37
 1,2-Dichloropropane
 Concen: 4.689 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

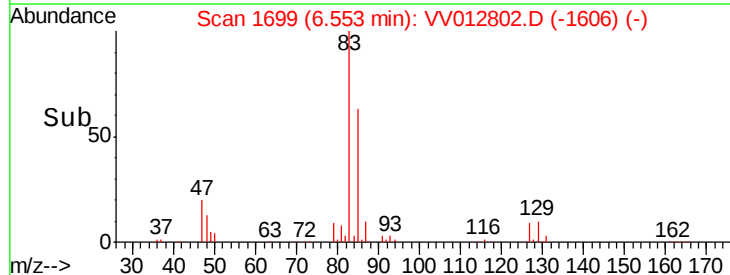
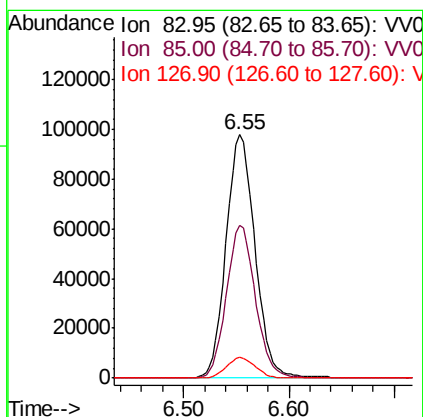
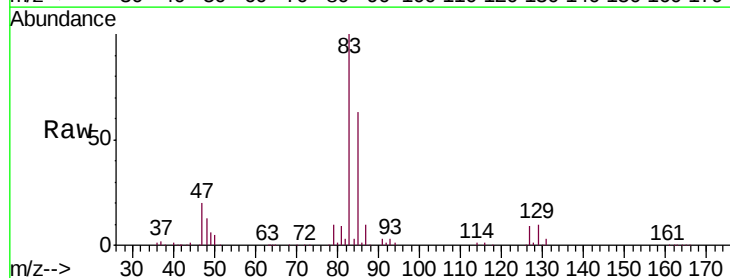
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

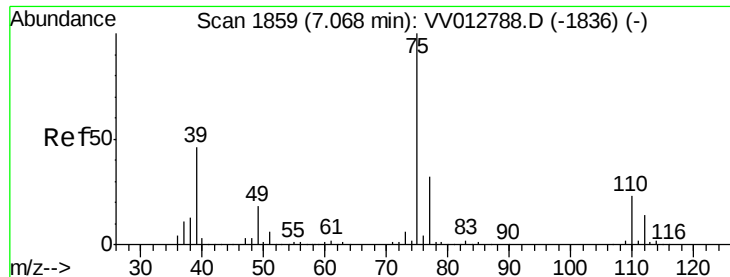
Tgt Ion: 63 Resp: 149253
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.512 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion: 83 Resp: 186001
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.3 84.1
 127 8.5 6.8 10.2

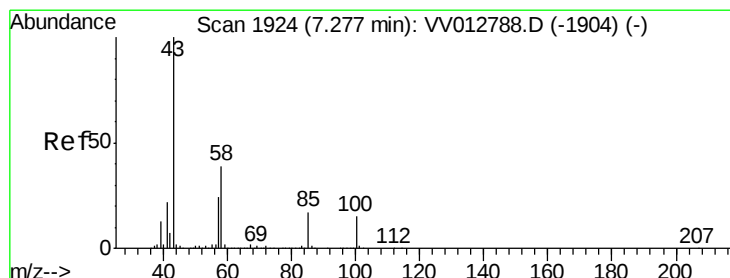
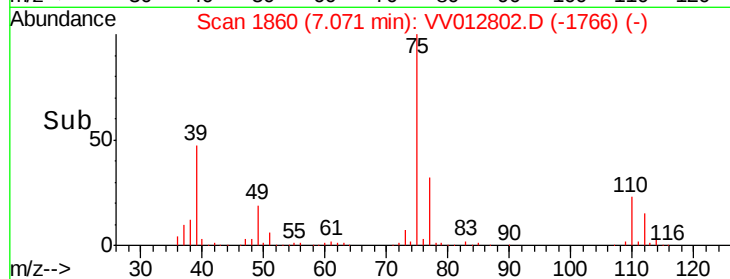
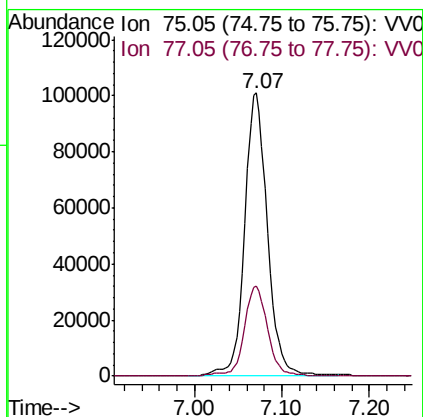
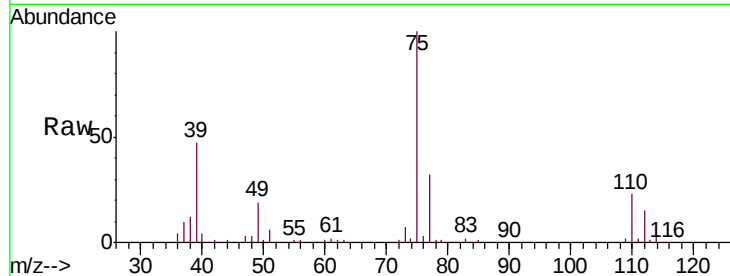




#39
 cis-1,3-Dichloropropene
 Concen: 4.378 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

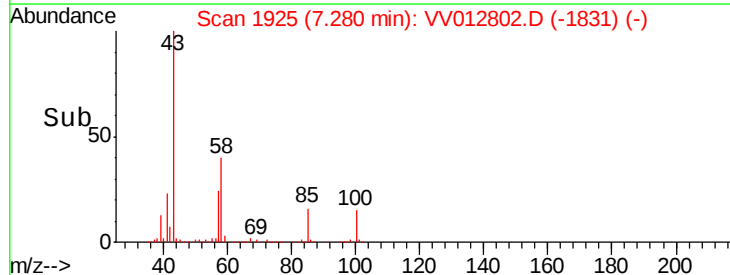
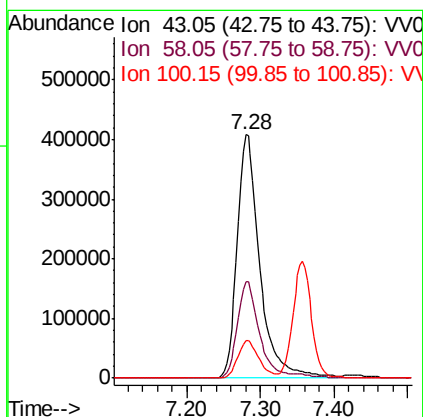
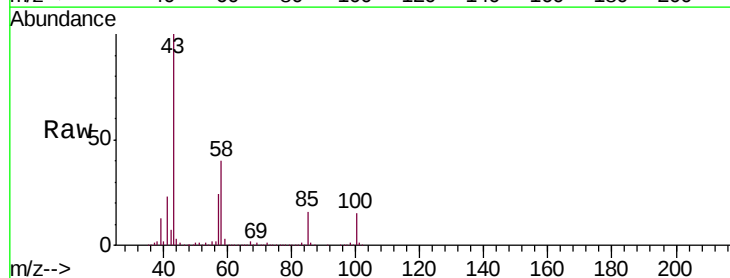
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

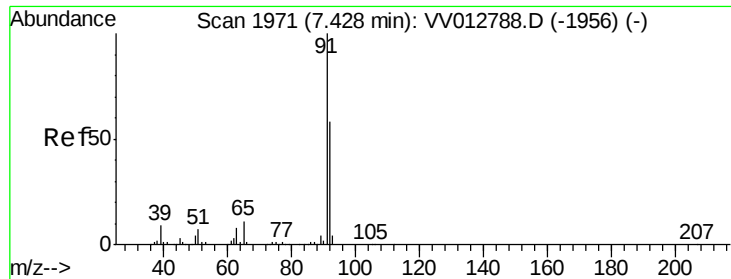
Tgt Ion: 75 Resp: 182845
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 49.530 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion: 43 Resp: 874042
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.4 47.0
 100 14.4 12.6 18.8





#42

Toluene

Concen: 4.709 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

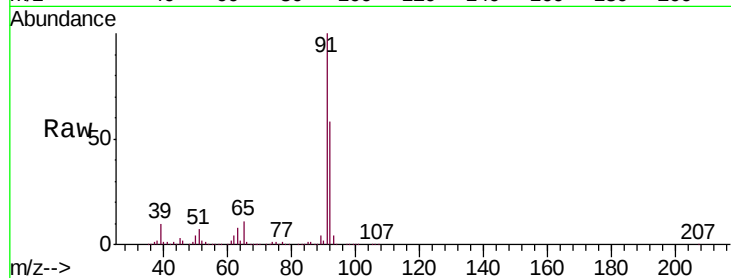
VSTD00556

Tgt Ion: 91 Resp: 625174

Ion Ratio Lower Upper

91 100

92 57.5 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012788.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV012788.D (-1956) (-)

7.43

400000

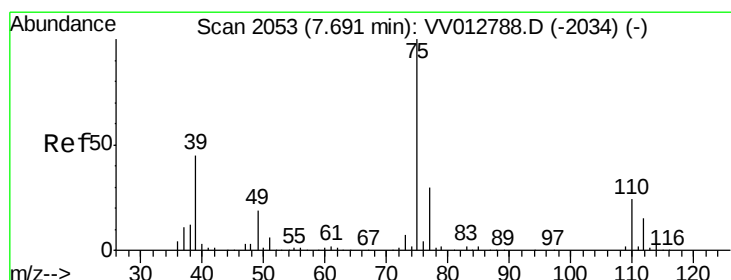
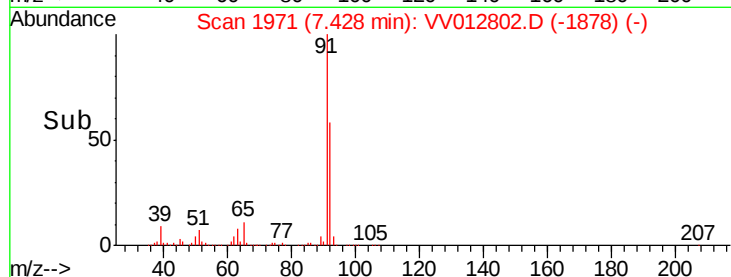
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 4.414 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012802.D

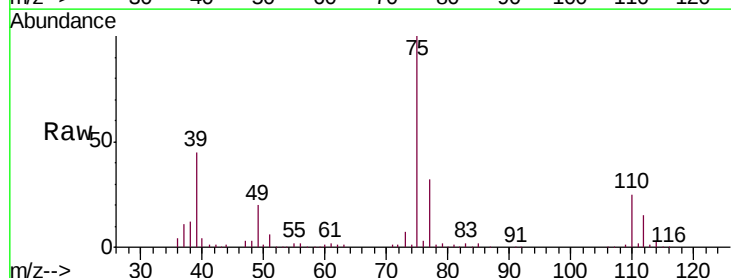
Acq: 15 Sep 2019 17:30

Tgt Ion: 75 Resp: 139019

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV012788.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV012788.D (-2034) (-)

7.69

80000

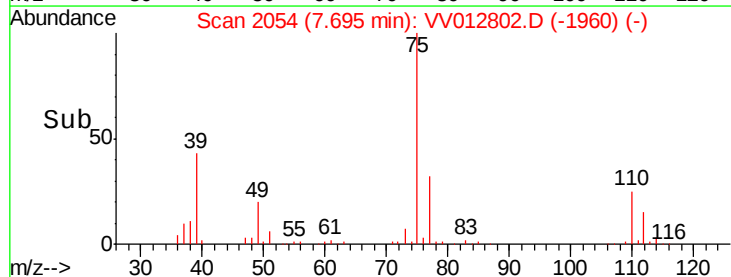
60000

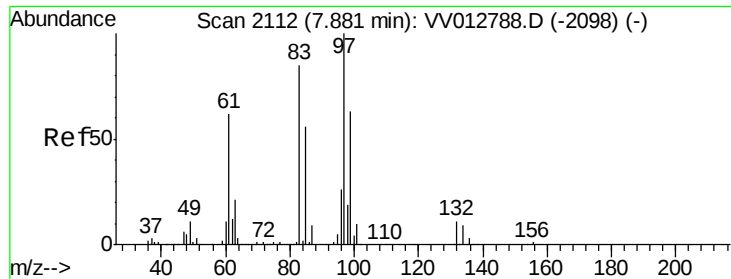
40000

20000

0

Time--> 7.60 7.70 7.80

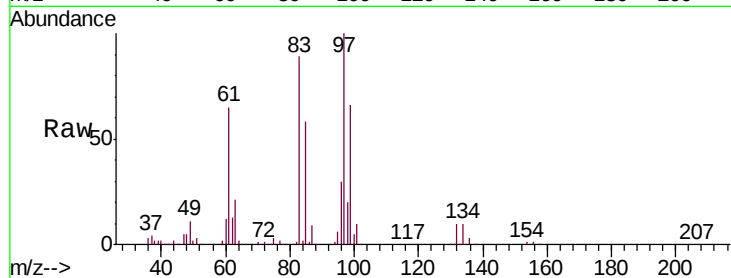




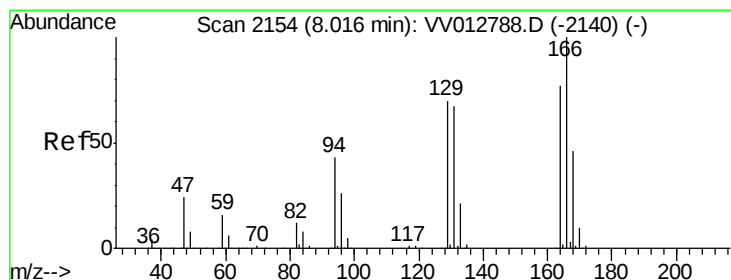
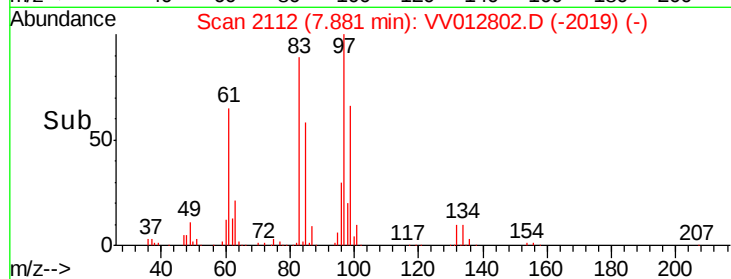
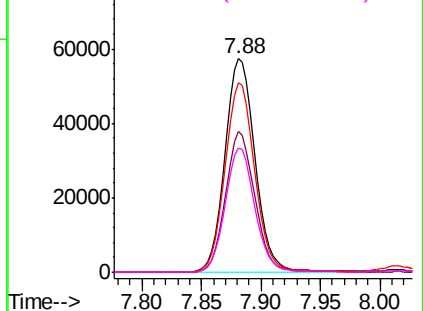
#45
 1,1,2-Trichloroethane
 Concen: 4.547 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	97	Resp:	100819
Ion	Ratio	Lower	Upper
97	100		
99	65.7	44.2	82.0
83	88.9	60.8	112.8
85	58.1	38.6	71.6

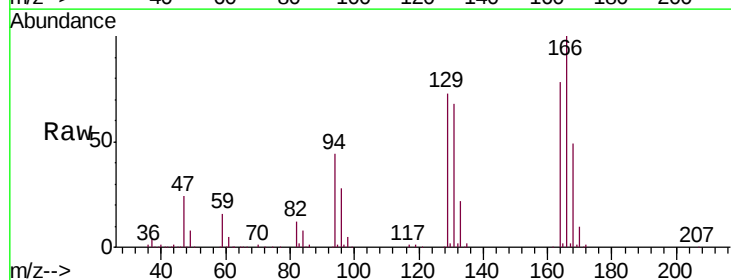


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

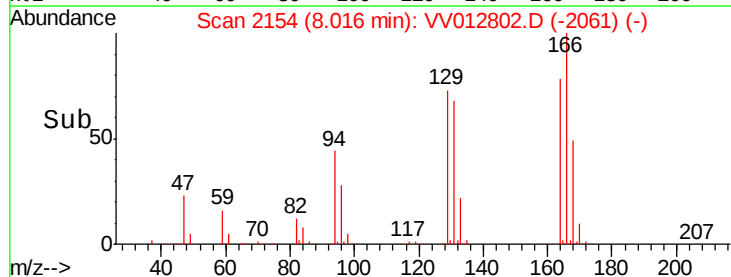
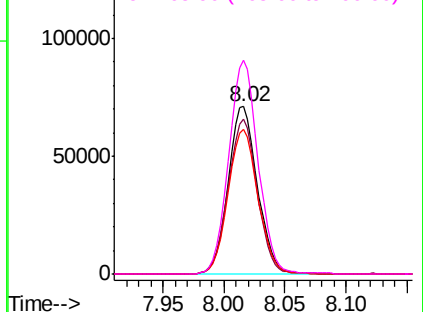


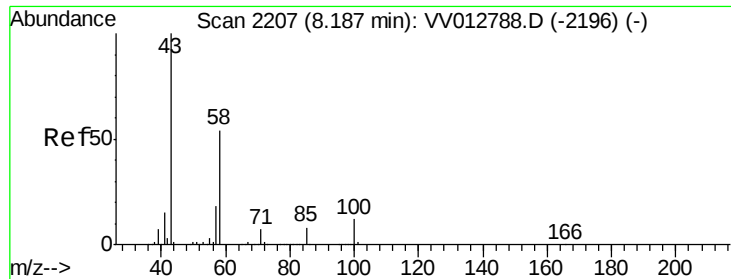
#47
 Tetrachloroethene
 Concen: 4.304 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion:	164	Resp:	119321
Ion	Ratio	Lower	Upper
164	100		
129	92.7	61.9	114.9
131	86.3	59.7	110.9
166	127.8	90.4	167.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

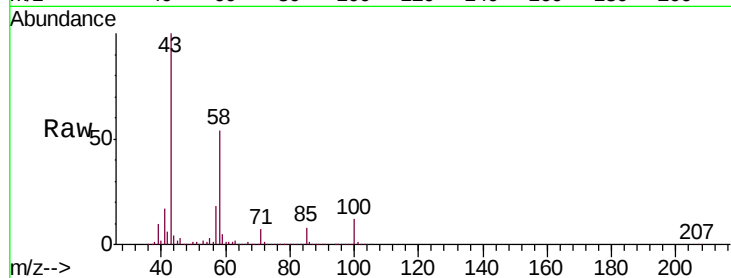




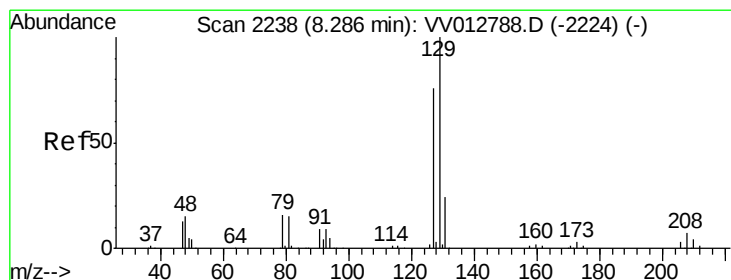
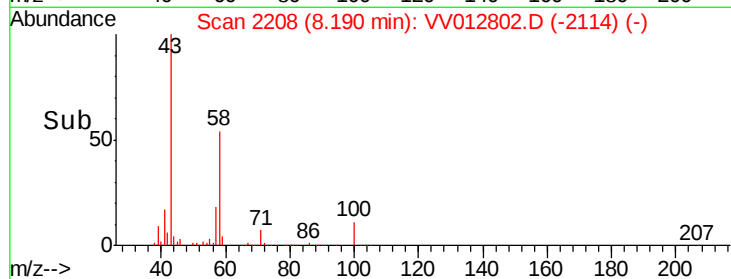
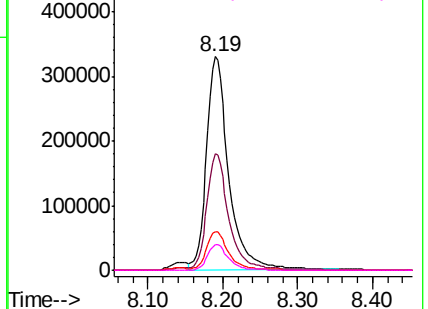
#48
2-Hexanone
Concen: 53.791 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:	43	Resp:	679209
Ion	Ratio	Lower	Upper
43	100		
58	56.0	44.8	67.2
57	17.8	14.9	22.3
100	11.4	9.8	14.8

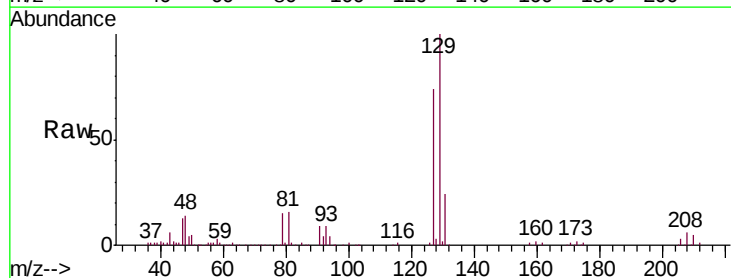


Abundance Ion 43.05 (42.75 to 43.75): VV012788.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012788.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012788.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012788.D (-2196) (-)

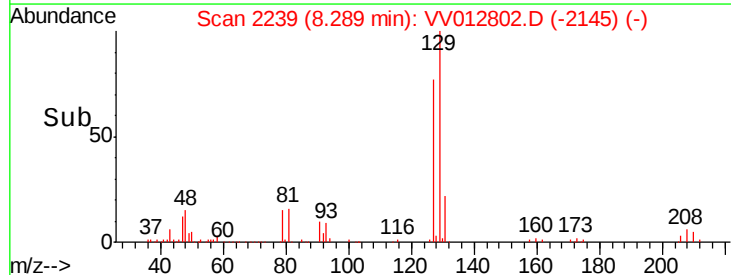
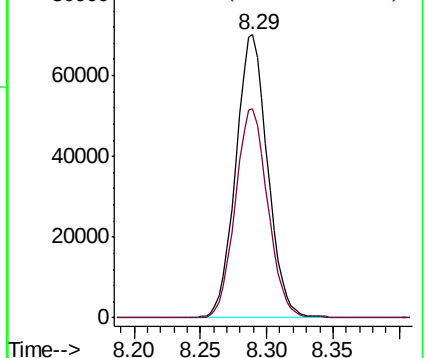


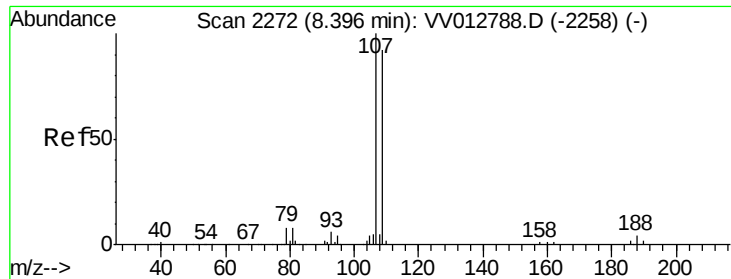
#49
Dibromochloromethane
Concen: 4.441 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Tgt Ion:	129	Resp:	117105
Ion	Ratio	Lower	Upper
129	100		
127	74.0	53.5	99.5



Abundance Ion 128.95 (128.65 to 129.65): VV012788.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV012788.D (-2224) (-)

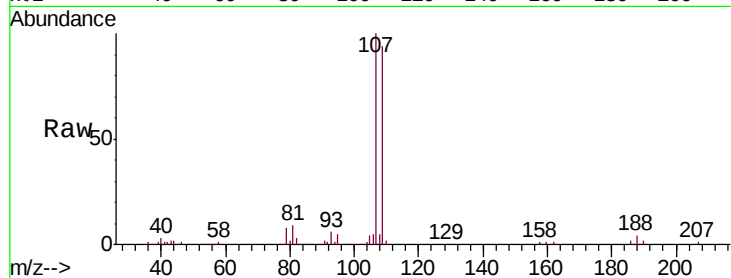




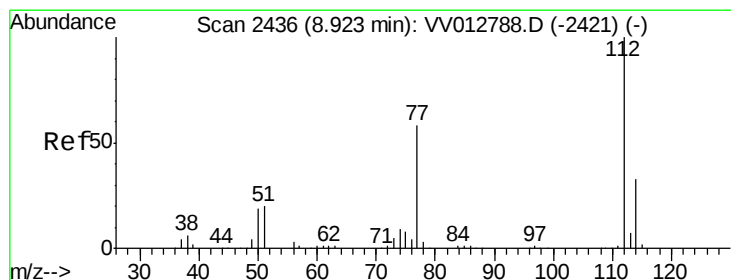
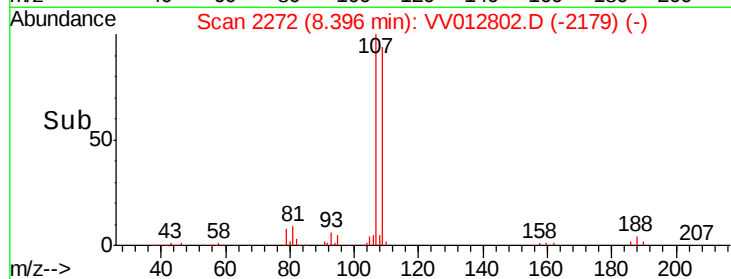
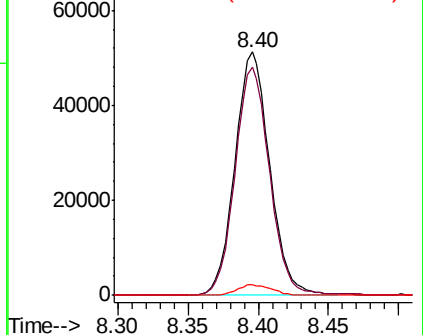
#50
1,2-Dibromoethane
Concen: 4.505 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:107 Resp: 88514
Ion Ratio Lower Upper
107 100
109 93.9 67.7 125.7
188 4.4 3.3 4.9

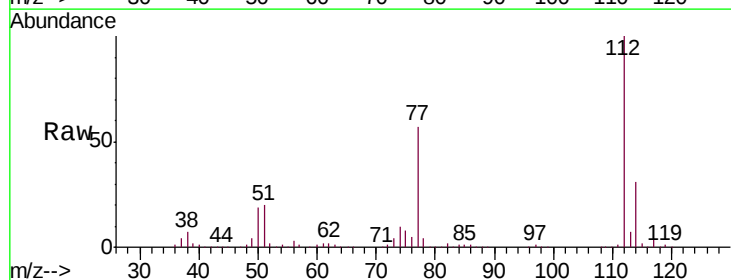


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

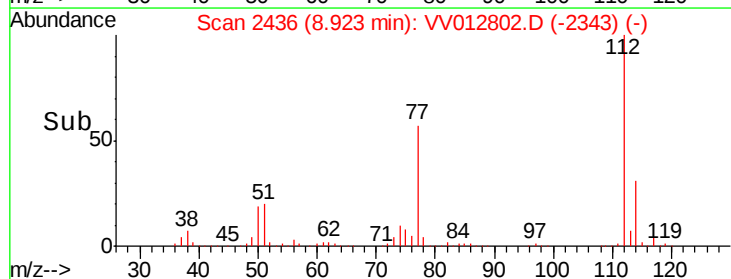
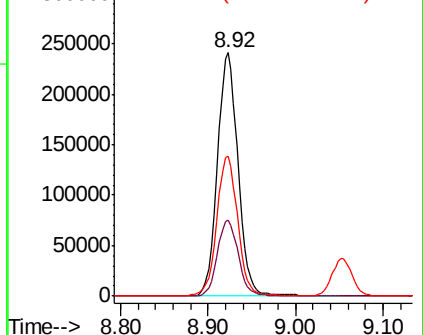


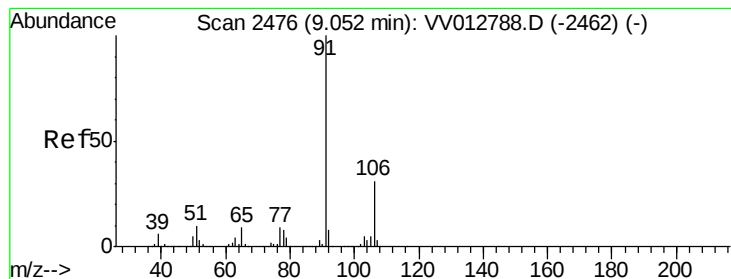
#51
Chlorobenzene
Concen: 4.524 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Tgt Ion:112 Resp: 394888
Ion Ratio Lower Upper
112 100
114 31.1 22.5 41.9
77 57.4 46.2 69.2



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





#52

Ethylbenzene

Concen: 4.472 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

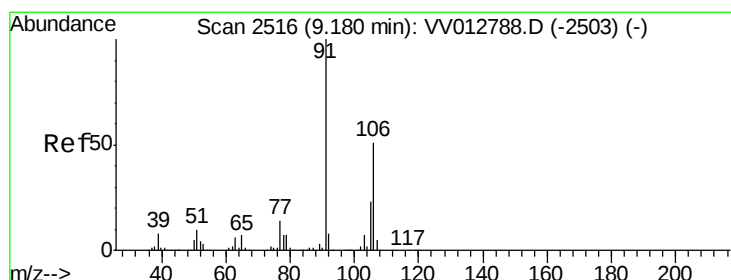
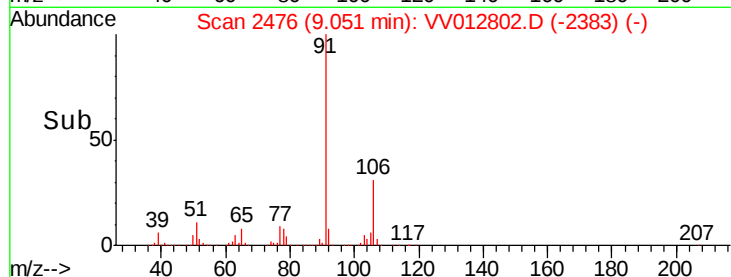
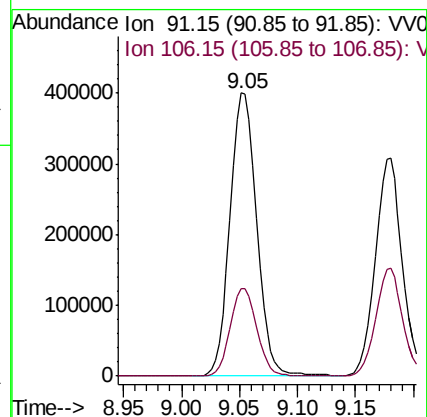
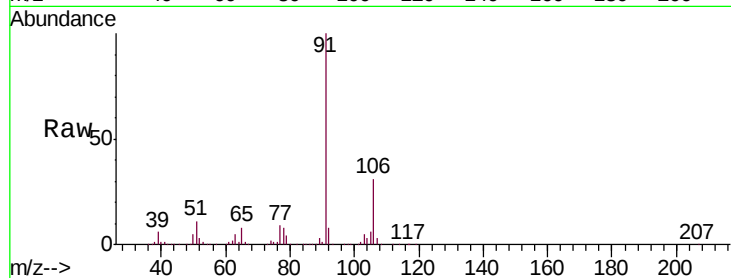
VSTD00556

Tgt Ion: 91 Resp: 638621

Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



#53

m,p-xylene

Concen: 4.576 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012802.D

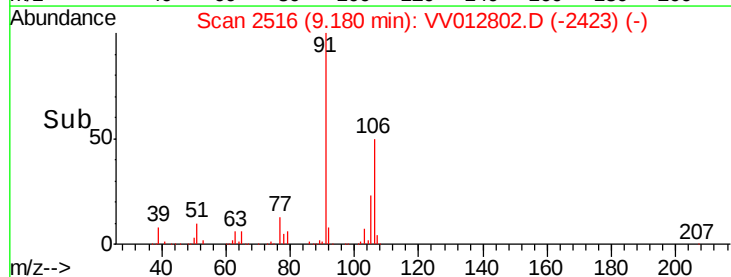
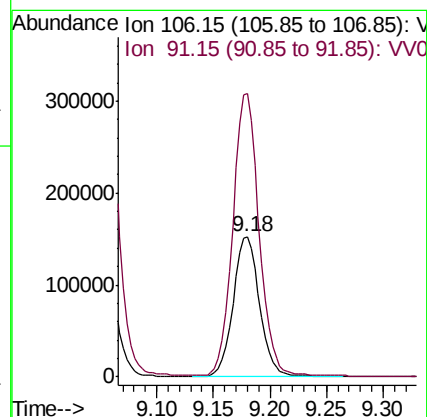
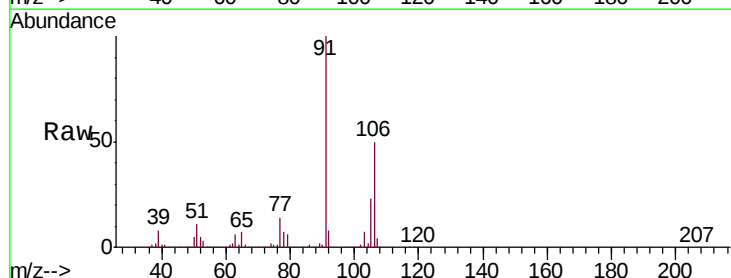
Acq: 15 Sep 2019 17:30

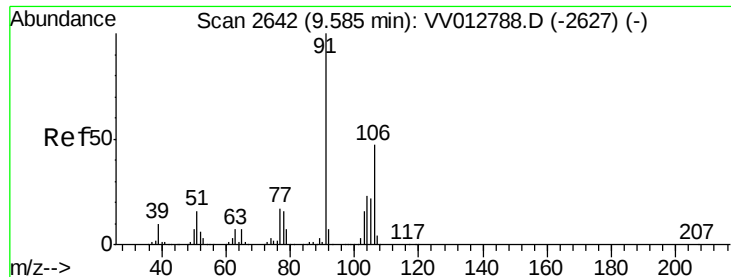
Tgt Ion: 106 Resp: 247015

Ion Ratio Lower Upper

106 100

91 201.3 140.0 260.0

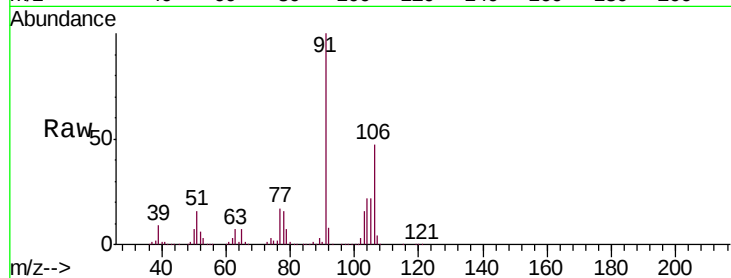




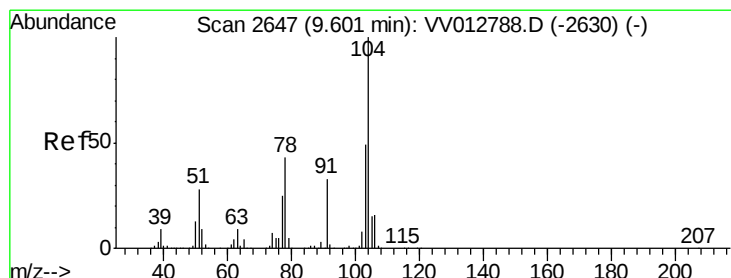
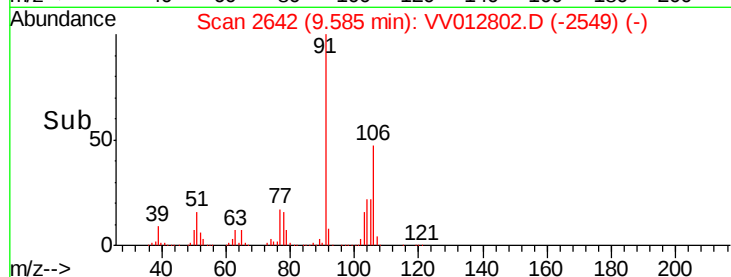
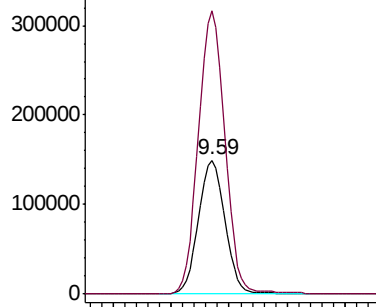
#54
o-xylene
Concen: 4.582 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:106 Resp: 236929
Ion Ratio Lower Upper
106 100
91 211.7 148.5 275.9

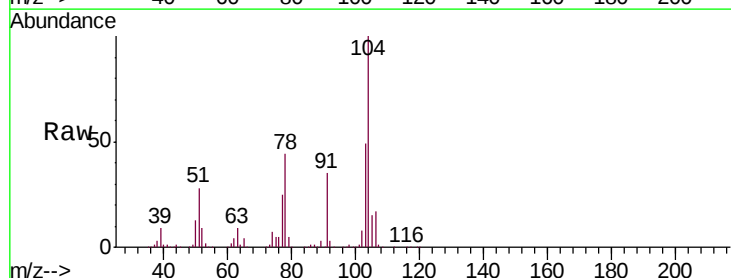


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

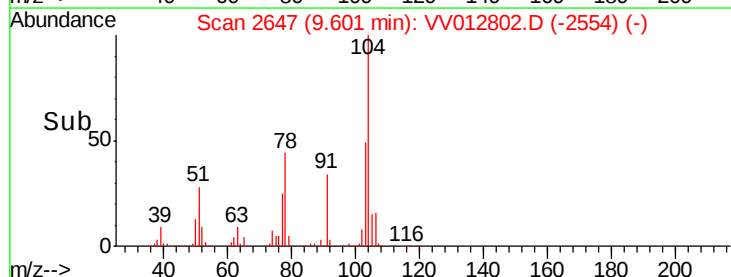
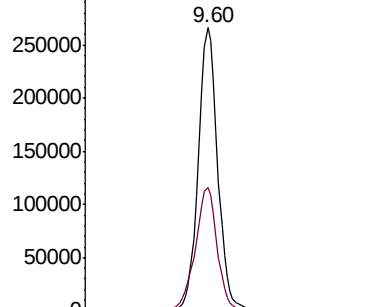


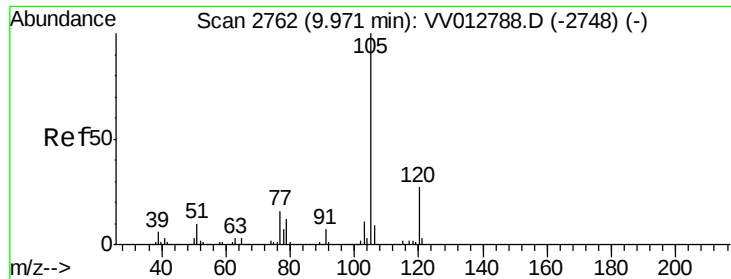
#55
Styrene
Concen: 4.837 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Tgt Ion:104 Resp: 415886
Ion Ratio Lower Upper
104 100
78 43.6 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

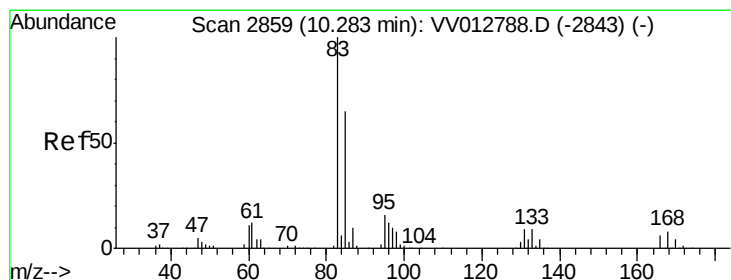
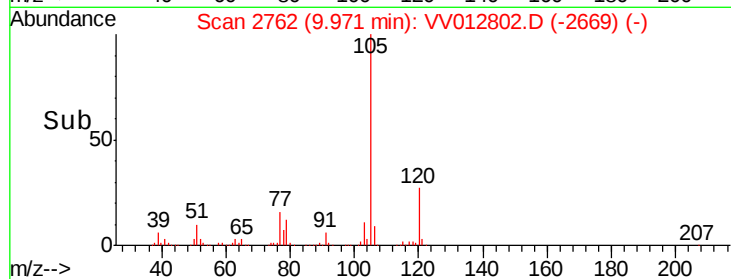
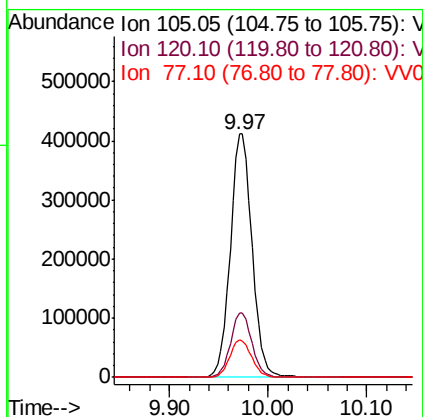
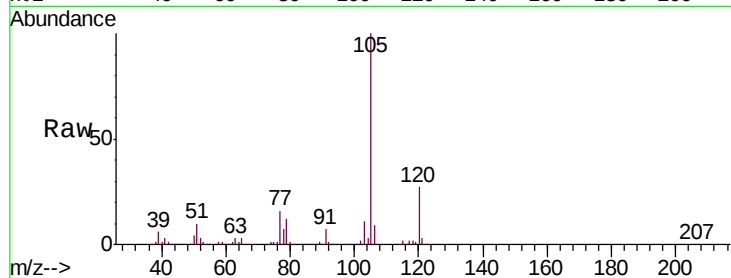




#56
Isopropylbenzene
Concen: 4.631 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

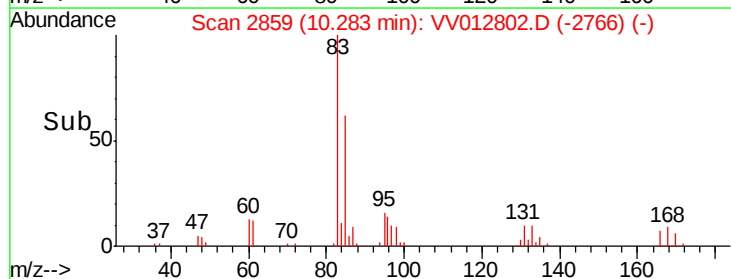
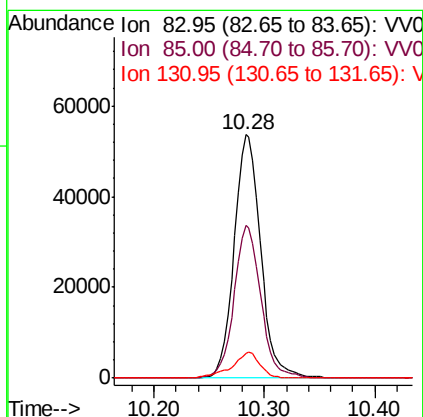
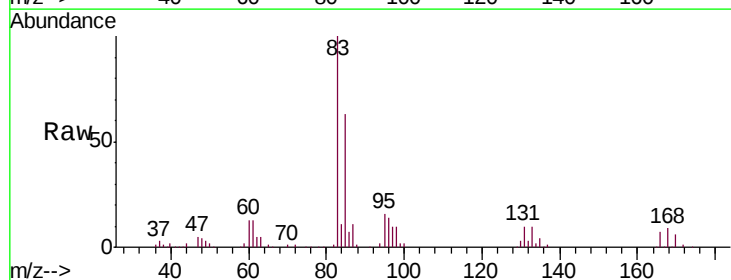
Instrument :
MSVOA_V
ClientSampled :
VSTD00556

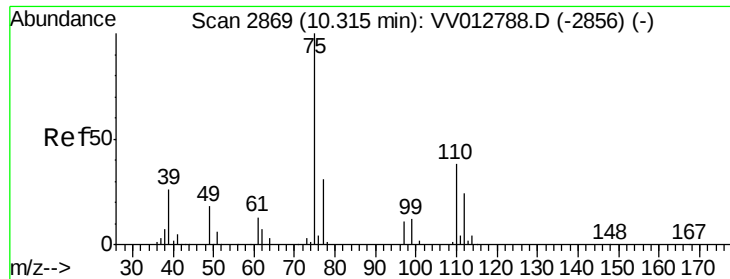
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.1	31.7
77	15.7	12.2	18.4



#58
1,1,2,2-Tetrachloroethane
Concen: 4.058 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV012802.D
Acq: 15 Sep 2019 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	45.4	84.2
131	10.2	8.2	12.4

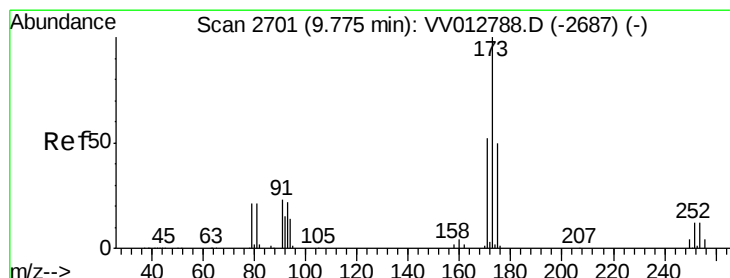
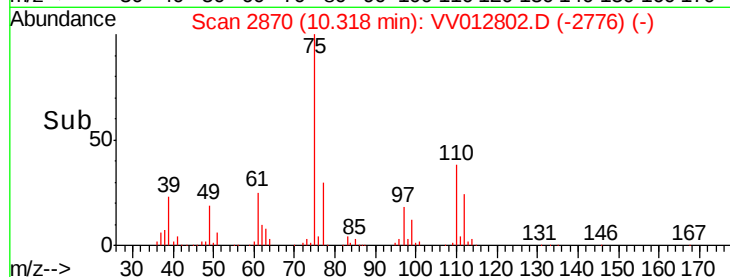
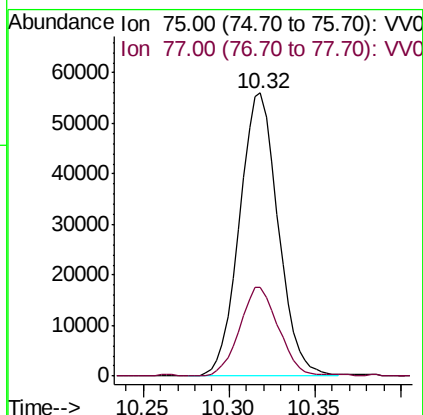
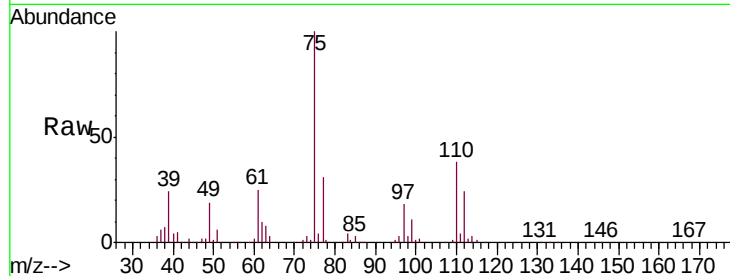




#59
 1,2,3-Trichloropropane
 Concen: 4.684 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

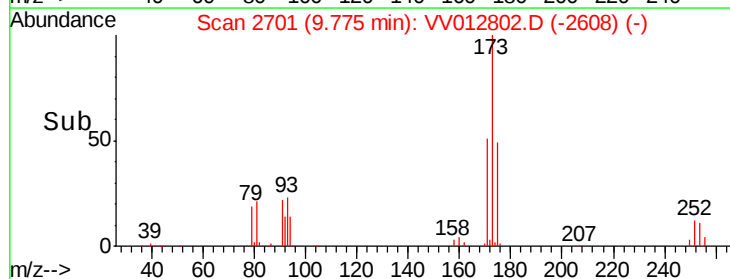
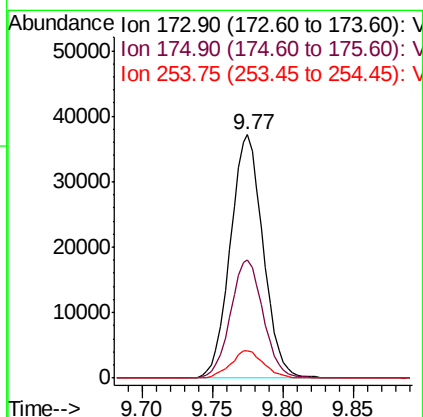
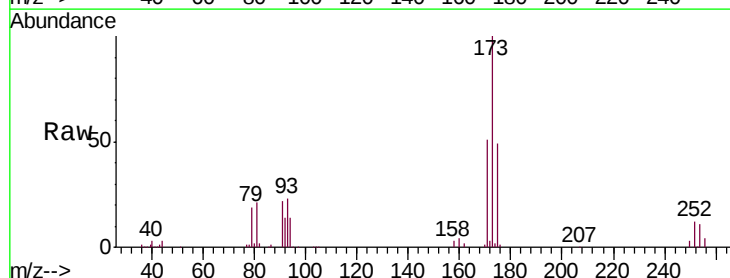
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

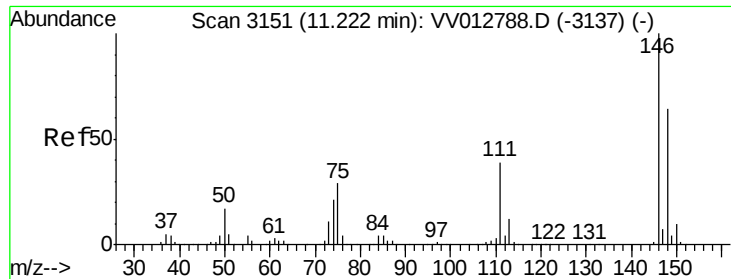
Tgt Ion: 75 Resp: 87957
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.9 37.3



#61
 Bromoform
 Concen: 3.988 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion: 173 Resp: 60346
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.8 59.6
 254 11.2 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 4.409 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

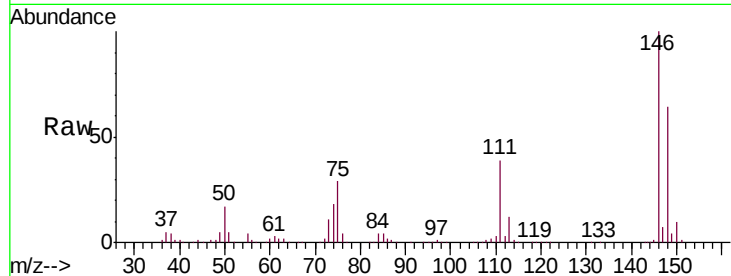
Tgt Ion:146 Resp: 310022

Ion Ratio Lower Upper

146 100

111 38.8 26.3 48.9

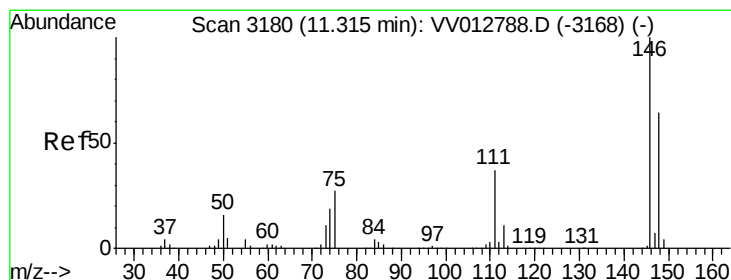
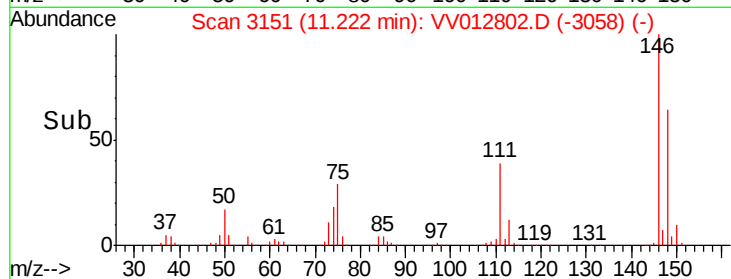
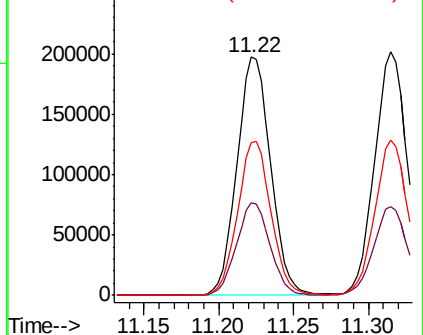
148 64.3 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.371 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

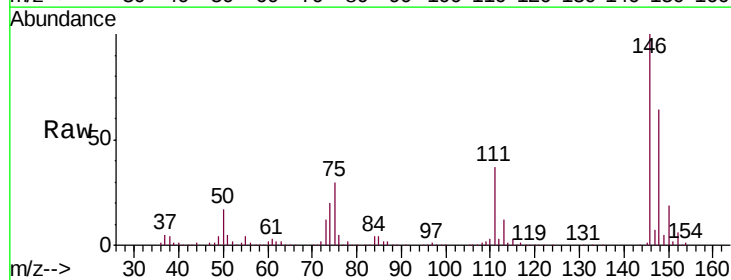
Tgt Ion:146 Resp: 310229

Ion Ratio Lower Upper

146 100

111 36.7 25.9 48.1

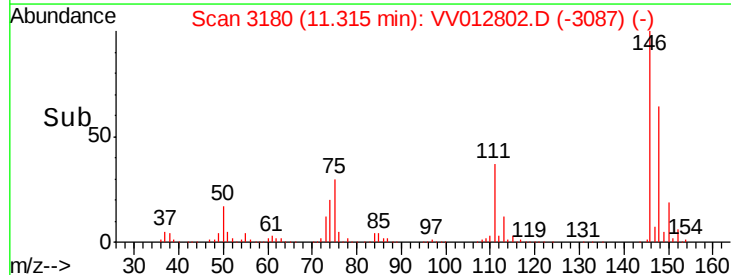
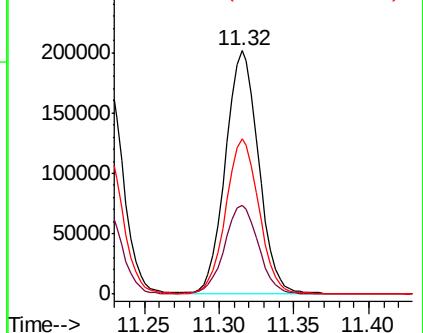
148 63.9 45.1 83.7

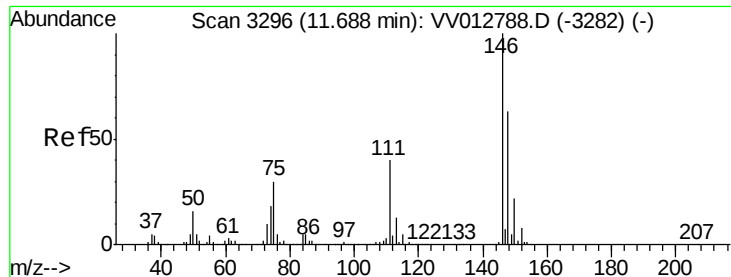


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

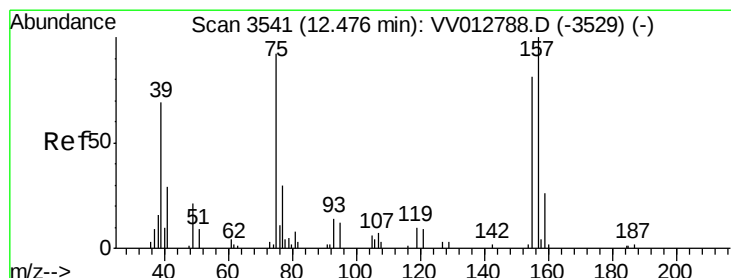
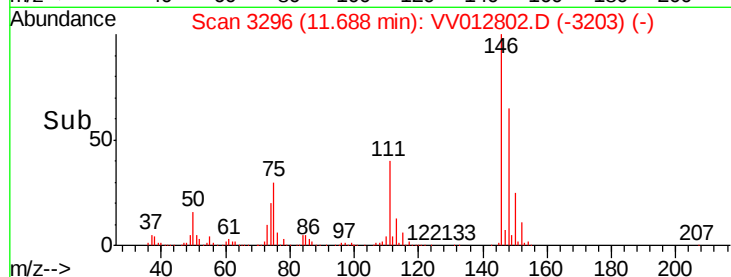
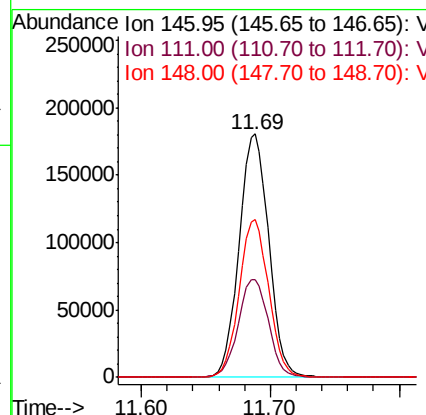
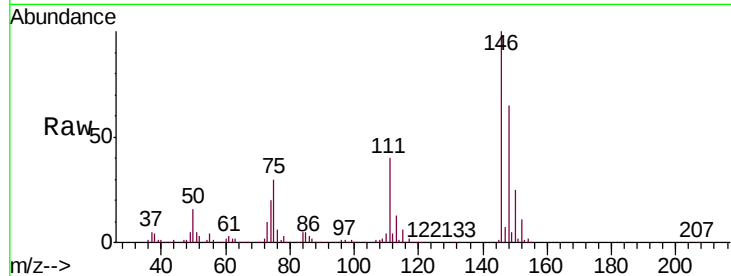




#65
 1,2-Dichlorobenzene
 Concen: 4.360 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

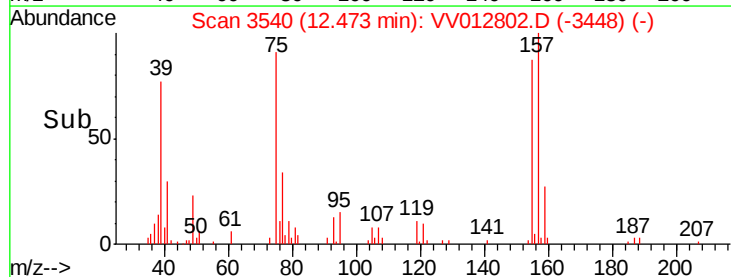
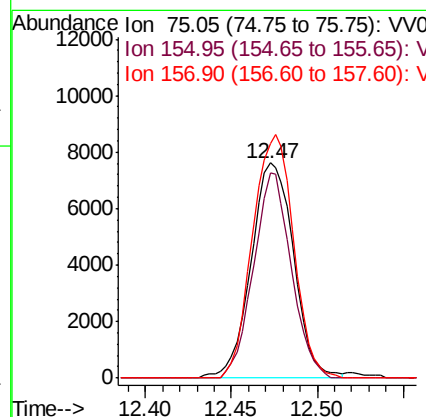
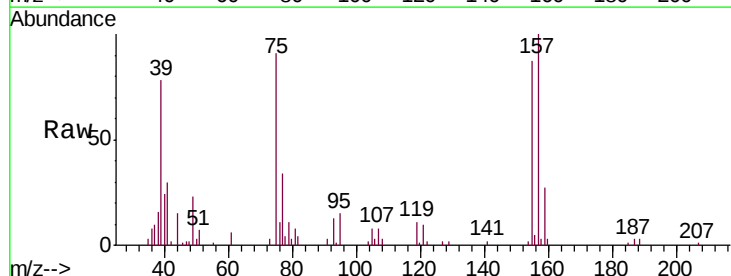
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

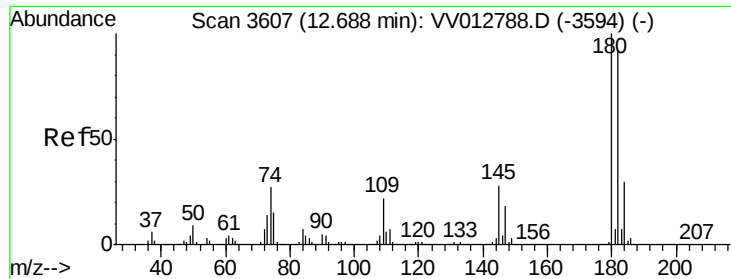
Tgt Ion: 146 Resp: 288700
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.2 48.4
 148 65.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.797 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion: 75 Resp: 13099
 Ion Ratio Lower Upper
 75 100
 155 95.5 74.3 111.5
 157 109.3 87.4 131.0

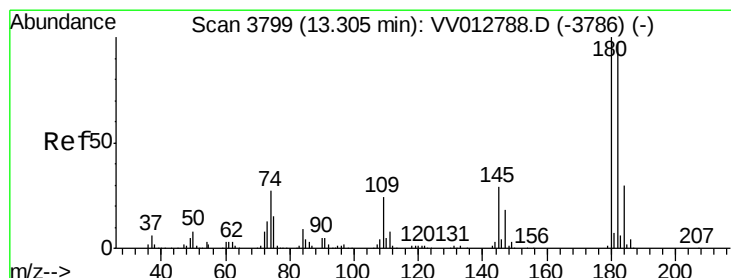
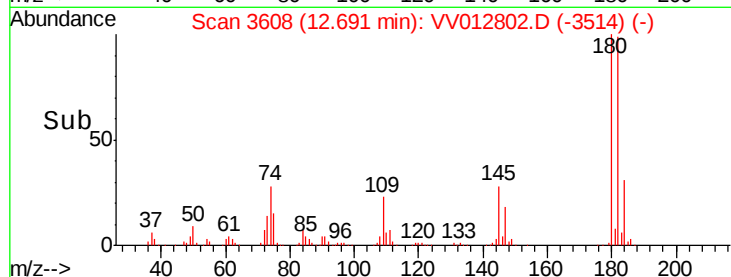
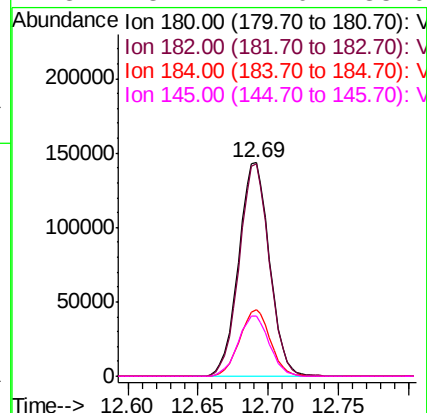
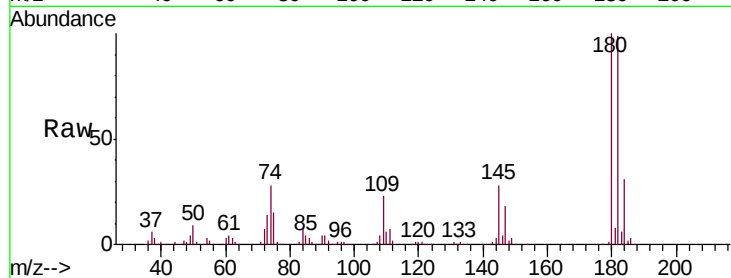




#67
 1,3,5-Trichlorobenzene
 Concen: 4.149 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

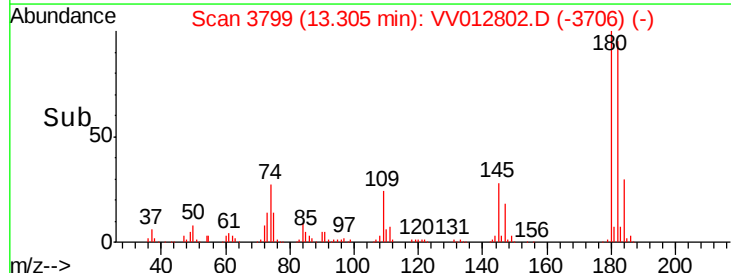
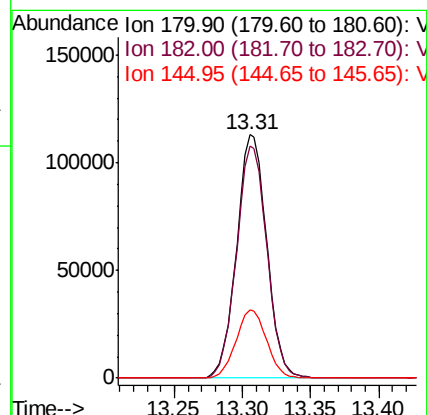
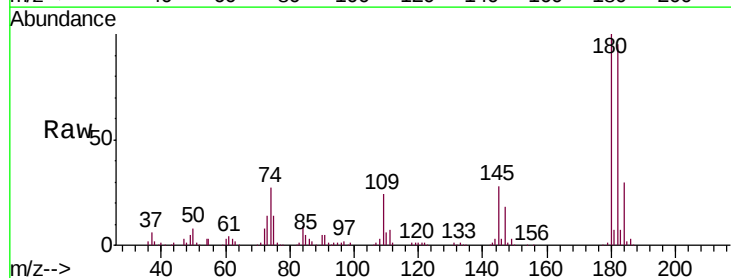
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

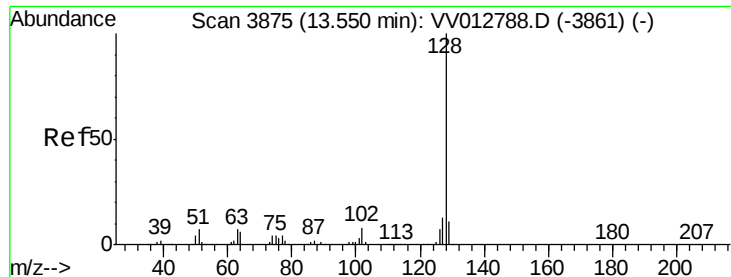
Tgt Ion:	180	Resp:	220958
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.4
184	30.8	24.3	36.5
145	28.4	22.0	33.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.108 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012802.D
 Acq: 15 Sep 2019 17:30

Tgt Ion:	180	Resp:	173187
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
145	28.7	23.2	34.8





#69

Naphthalene

Concen: 3.972 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

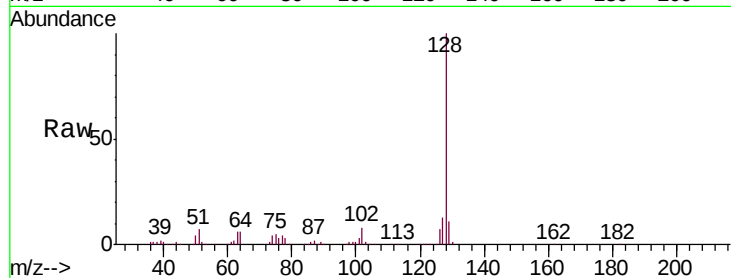
Tgt Ion:128 Resp: 253156

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

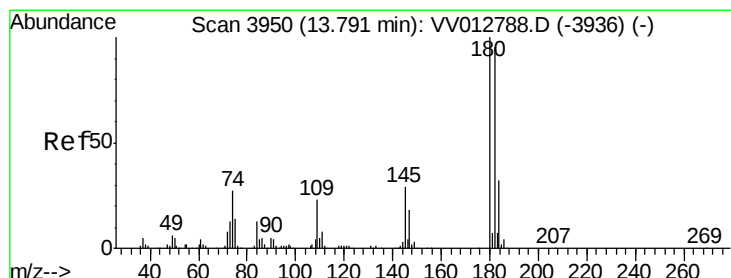
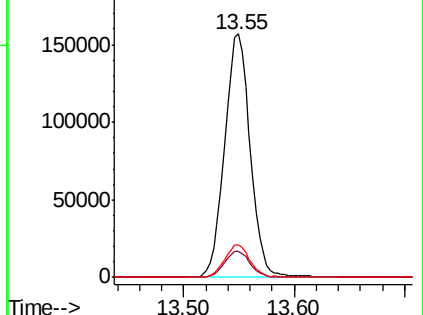
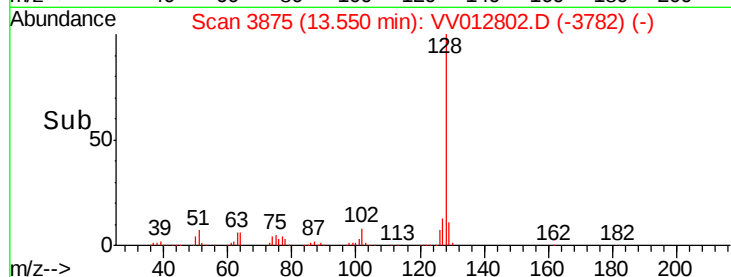
127 13.2 10.2 15.4



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: 4.329 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012802.D

Acq: 15 Sep 2019 17:30

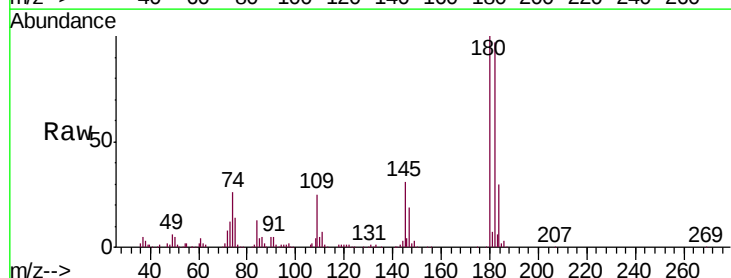
Tgt Ion:180 Resp: 172121

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.6

145 30.7 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

