

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012825.D
 Acq On : 16 Sep 2019 09:05
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 16:38:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 16:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	436386	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	423796	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	182363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16567	0.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	13161	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	27428	0.56	ug/L	0.00
20) 2-Butanone-d5	4.01	46	8157	1.21	ug/L	0.04
24) Chloroform-d	4.40	84	25467	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	11764	0.46	ug/L	0.00
32) Benzene-d6	5.10	84	45994	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15394	0.48	ug/L	0.00
41) Toluene-d8	7.36	98	36828	0.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4574	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	8412	2.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	7436	0.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13705	0.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20486	0.555 ug/L	97
3) Chloromethane	1.25	50	20629	0.557 ug/L	95
5) Vinyl chloride	1.32	62	22402	0.583 ug/L	97
6) Bromomethane	1.53	94	11256	0.541 ug/L	100
8) Chloroethane	1.60	64	11866	0.532 ug/L	96
9) Trichlorofluoromethane	1.77	101	26710	0.557 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15954	0.556 ug/L	99
12) 1,1-Dichloroethene	2.14	96	15061	0.555 ug/L	87
13) Acetone	2.24	43	6715	1.599 ug/L	79
14) Carbon disulfide	2.31	76	31218	0.443 ug/L	98
15) Methyl Acetate	2.47	43	4303	0.380 ug/L	99
16) Methylene chloride	2.53	84	19236	0.575 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	38289	0.589 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	15919	0.527 ug/L	99
19) 1,1-Dichloroethane	3.22	63	32671	0.564 ug/L	98
21) 2-Butanone	4.10	43	29706	4.147 ug/L #	66
22) cis-1,2-Dichloroethene	3.96	96	16832	0.509 ug/L	96
23) Bromochloromethane	4.30	128	7614	0.537 ug/L	99
25) Chloroform	4.42	83	39612	0.619 ug/L	100
27) 1,2-Dichloroethane	5.18	62	18713	0.559 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	26202	0.557 ug/L	99
30) Cyclohexane	4.71	56	19466	0.426 ug/L #	92
31) Carbon tetrachloride	4.87	117	21978	0.534 ug/L	98
33) Benzene	5.14	78	60271	0.488 ug/L	100
34) Trichloroethene	5.95	95	18561	0.540 ug/L	96
35) Methylcyclohexane	6.17	83	19459	0.409 ug/L	98
37) 1,2-Dichloropropane	6.22	63	16767	0.539 ug/L	98
38) Bromodichloromethane	6.55	83	22394	0.554 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	18542	0.457 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	74936	4.309 ug/L	93

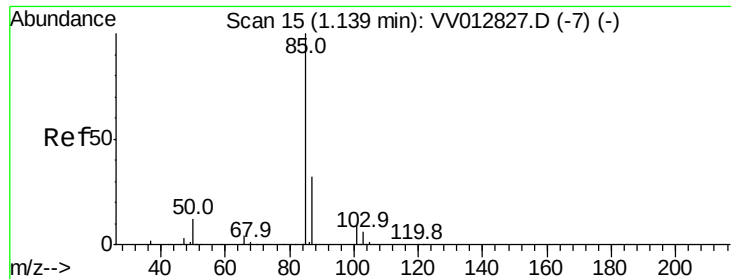
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012825.D
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Instrument :
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 16:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	55504	0.432	ug/L	94
44) trans-1,3-Dichloropropene	7.70	75	14984	0.485	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	11763	0.540	ug/L	94
47) Tetrachloroethene	8.02	164	13196	0.495	ug/L	92
48) 2-Hexanone	8.20	43	56543	4.503	ug/L	90
49) Dibromochloromethane	8.29	129	13030	0.504	ug/L	100
50) 1,2-Dibromoethane	8.40	107	9467	0.495	ug/L	90
51) Chlorobenzene	8.92	112	42941	0.504	ug/L	94
52) Ethylbenzene	9.05	91	57445	0.416	ug/L	98
53) m,p-xylene	9.18	106	20582	0.395	ug/L	97
54) o-xylene	9.59	106	19119	0.382	ug/L	97
55) Styrene	9.60	104	29633	0.355	ug/L	97
56) Isopropylbenzene	9.97	105	50176	0.378	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	10098	0.470	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	9736	0.527	ug/L	96
61) Bromoform	9.77	173	7173	0.582	ug/L	94
62) 1,3-Dichlorobenzene	11.22	146	29146	0.509	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	31730	0.548	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	29333	0.541	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1397	0.505	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	23337	0.539	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	15909	0.465	ug/L	91
69) Naphthalene	13.55	128	19390	0.380	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	14680	0.454	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.555 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

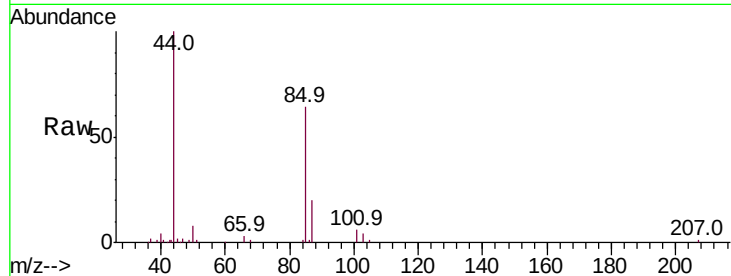
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 20486

Ion Ratio Lower Upper

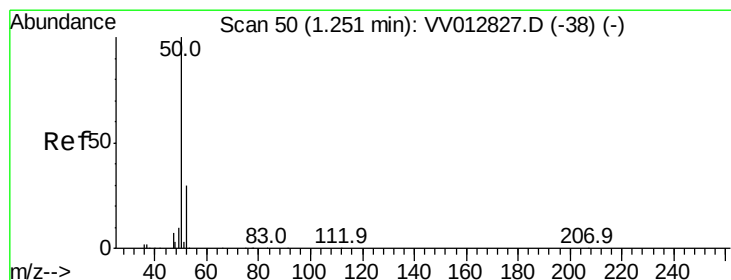
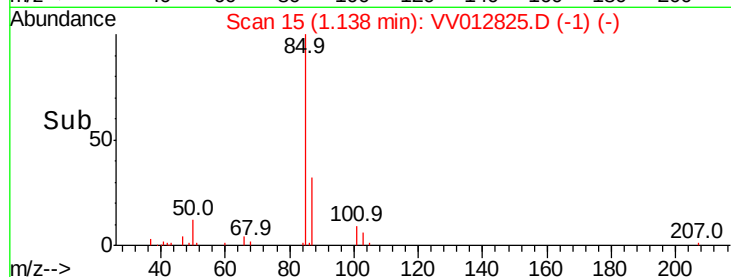
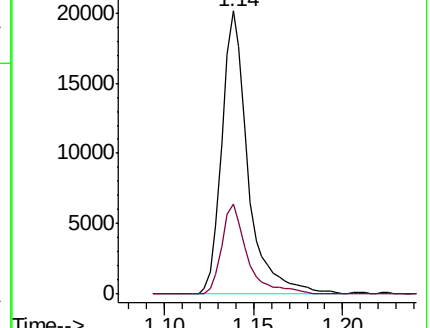
85 100

87 30.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.557 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012825.D

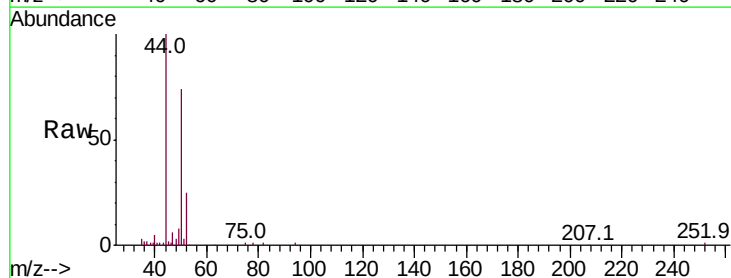
Acq: 16 Sep 2019 09:05

Tgt Ion: 50 Resp: 20629

Ion Ratio Lower Upper

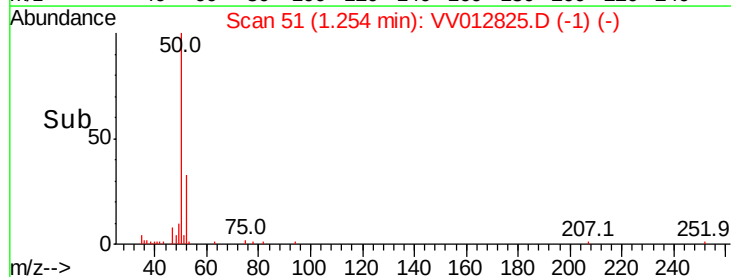
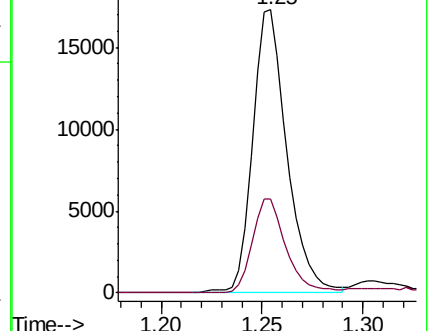
50 100

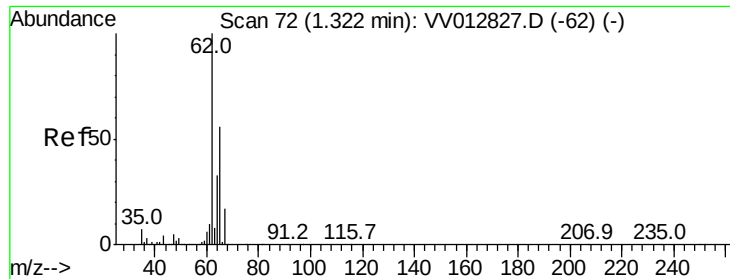
52 33.3 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.583 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

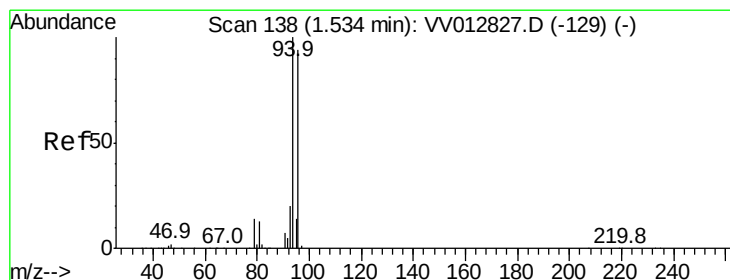
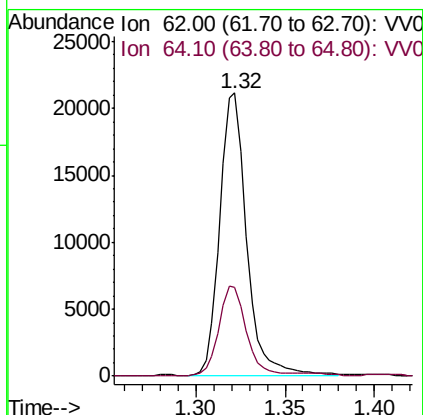
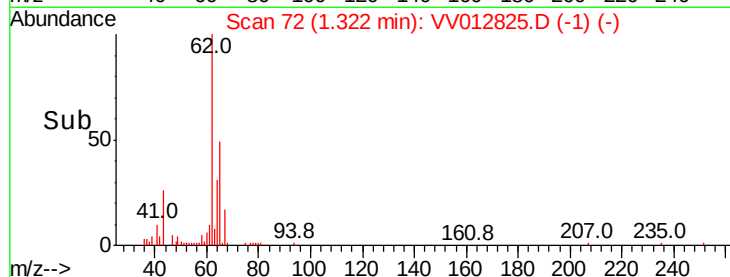
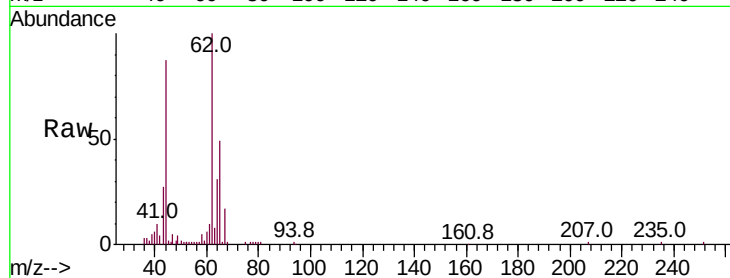
ClientSampleId :

Tot Ion: 62 Resp: 22402

Ion Ratio Lower Upper

62 100

64 31.5 23.2 43.0



#6

Bromomethane

Concen: 0.541 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012825.D

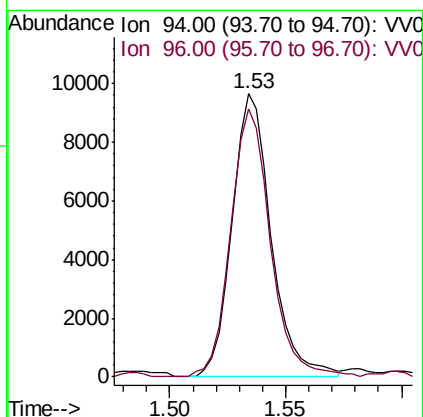
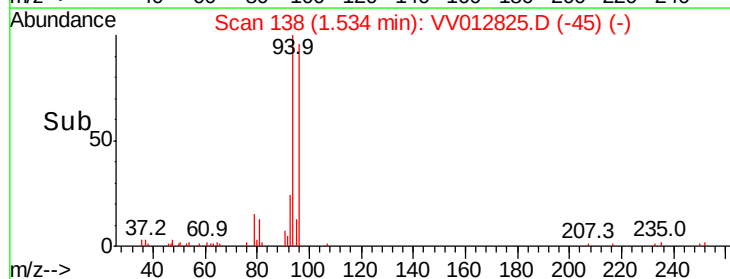
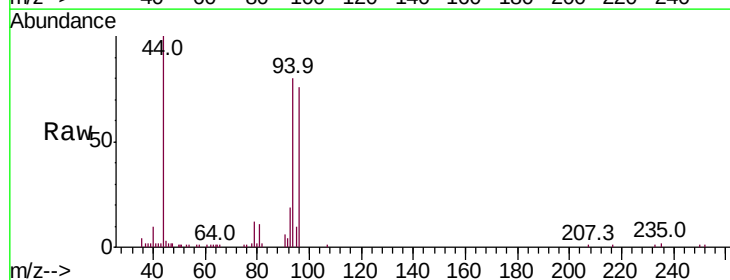
Acq: 16 Sep 2019 09:05

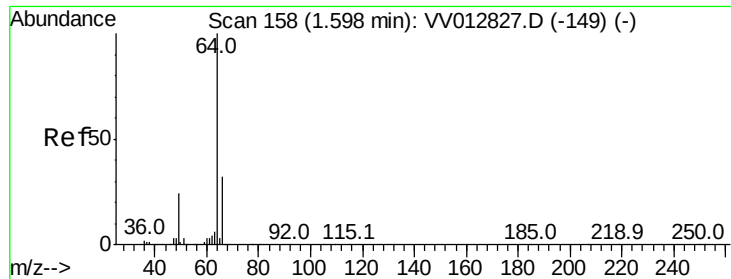
Tgt Ion: 94 Resp: 11256

Ion Ratio Lower Upper

94 100

96 94.7 66.1 122.7





#8

Chloroethane

Concen: 0.532 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

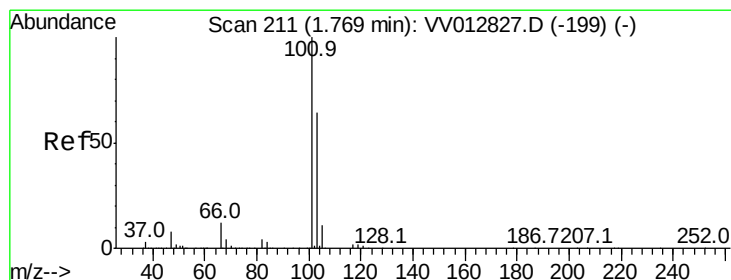
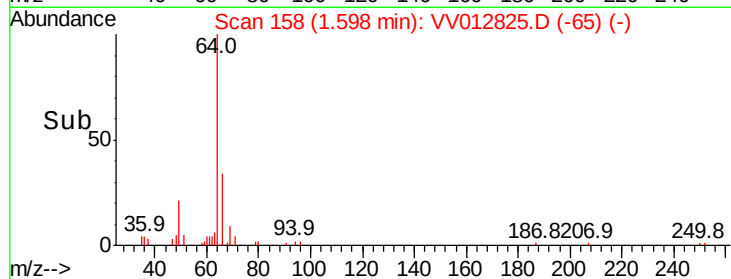
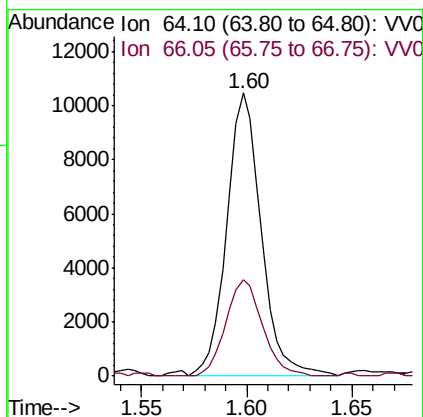
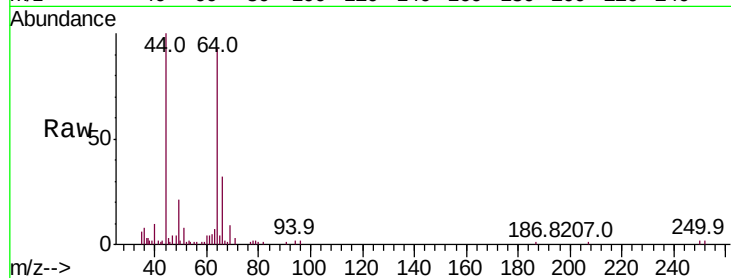
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 11866

Ion Ratio Lower Upper

64 100

66 33.9 22.3 41.5



#9

Trichlorofluoromethane

Concen: 0.557 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012825.D

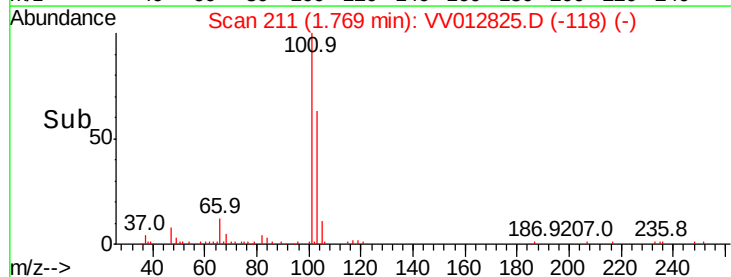
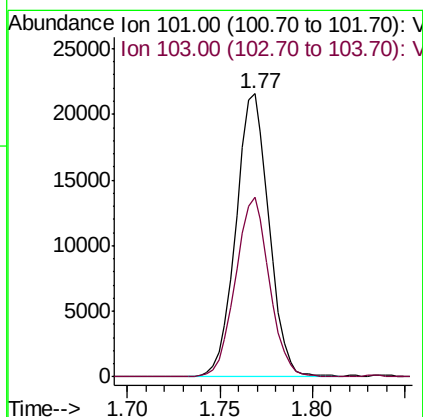
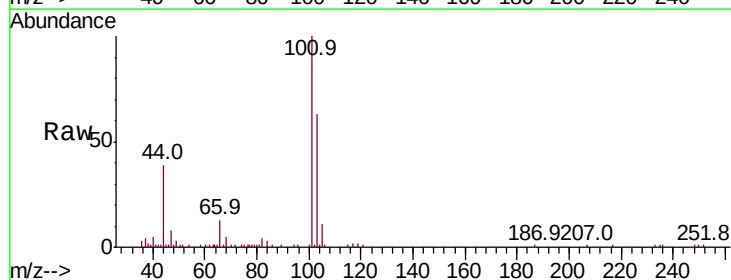
Acq: 16 Sep 2019 09:05

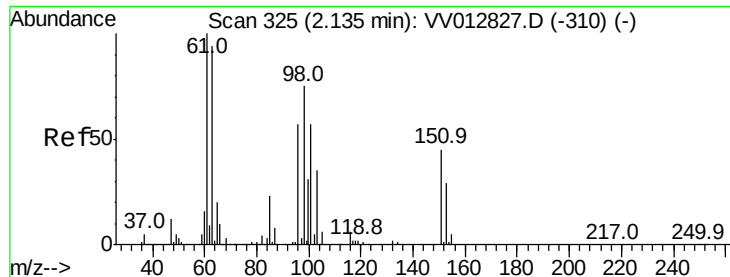
Tgt Ion: 101 Resp: 26710

Ion Ratio Lower Upper

101 100

103 64.7 51.2 76.8





#10

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

Concen: 0.556 ug/L

RT: 2.14 min Scan# 325

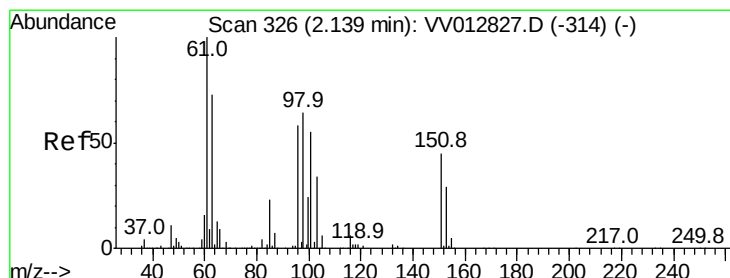
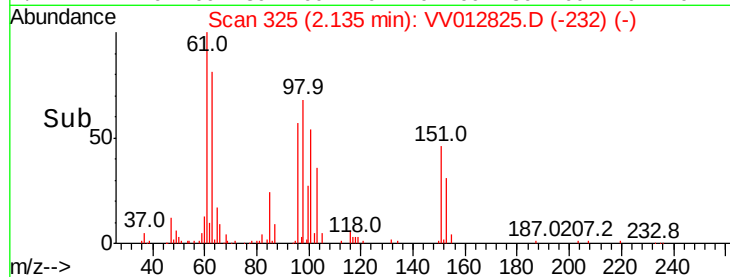
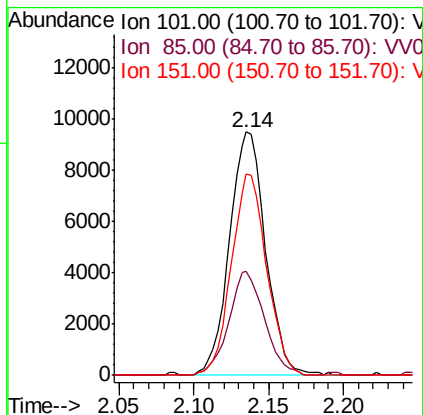
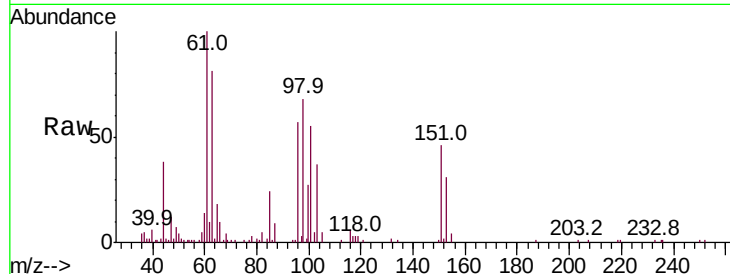
Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	101	Resp:	15954
Ion	Ratio	Lower	Upper
101	100		
85	42.1	32.9	49.3
151	80.4	65.0	97.6



#12

1,1-Dichloroethene

Concen: 0.555 ug/L

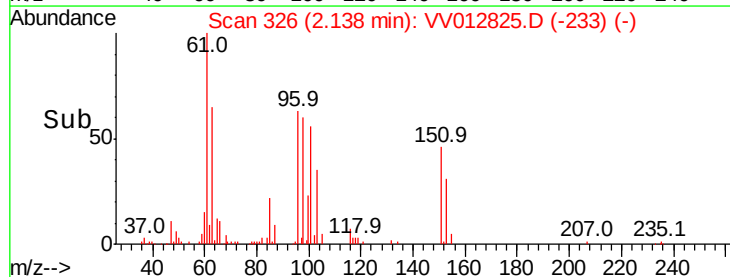
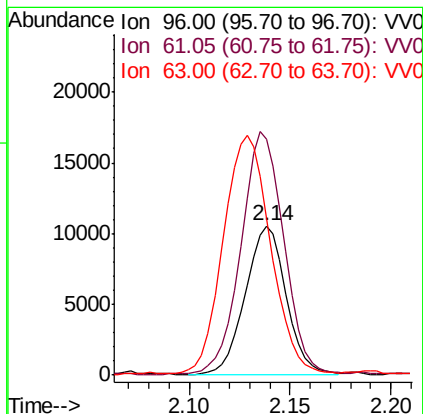
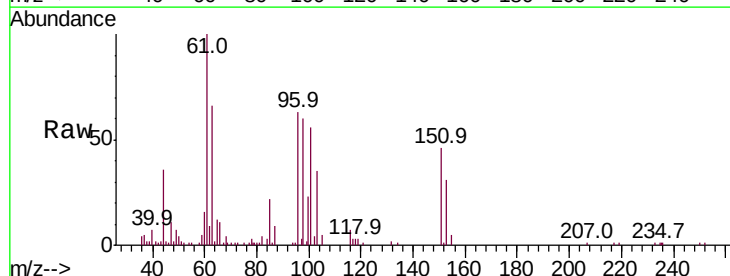
RT: 2.14 min Scan# 326

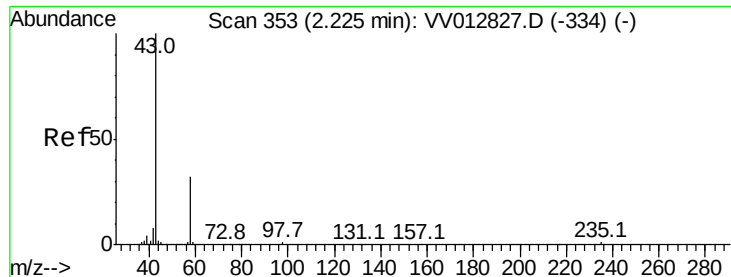
Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Tgt Ion:	96	Resp:	15061
Ion	Ratio	Lower	Upper
96	100		
61	158.8	120.1	223.1
63	104.7	88.3	164.1





#13

Acetone

Concen: 1.599 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.02 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

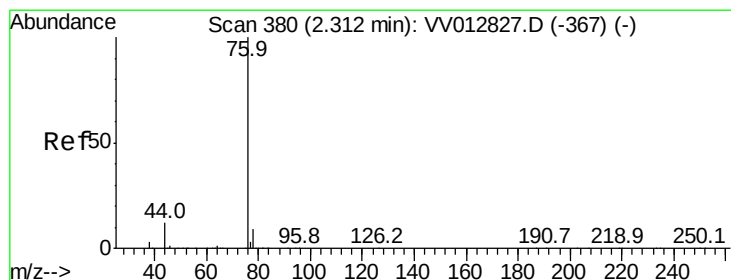
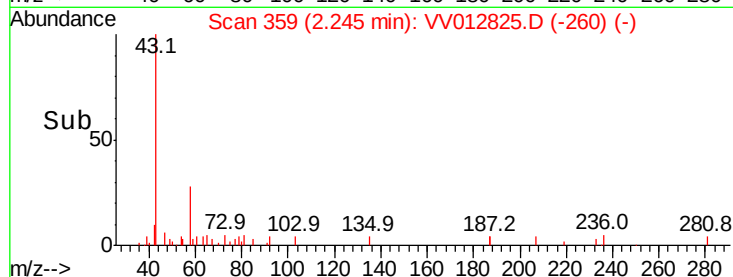
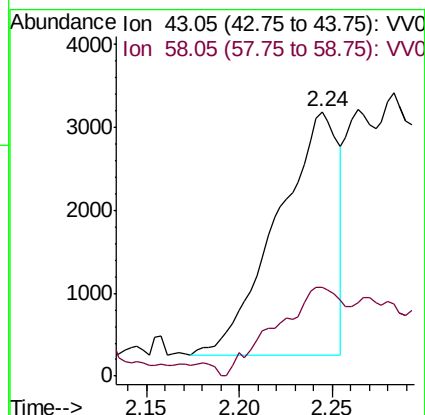
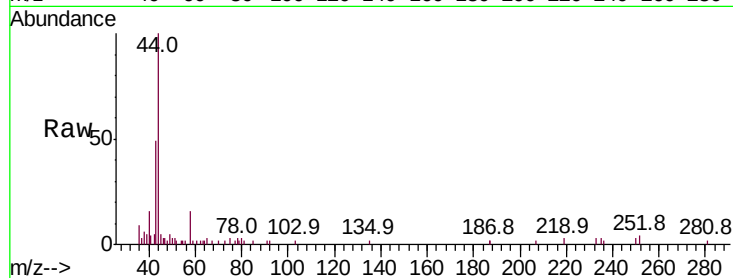
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6715

Ion Ratio Lower Upper

43 100

58 39.3 0.0 56.6



#14

Carbon disulfide

Concen: 0.443 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012825.D

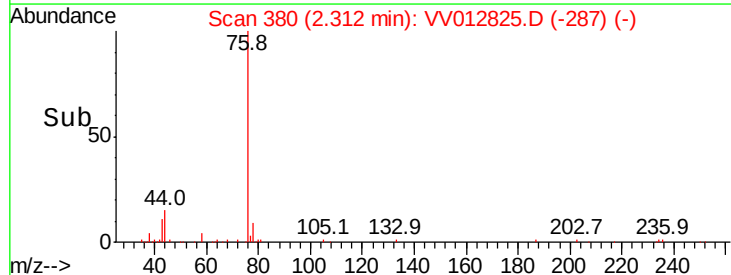
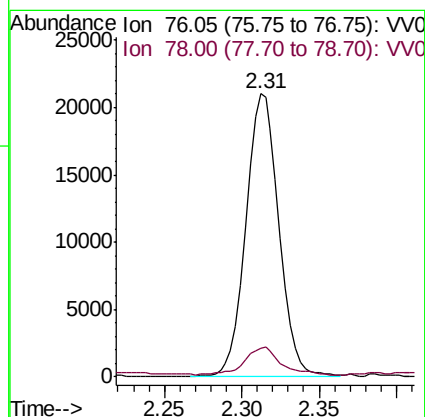
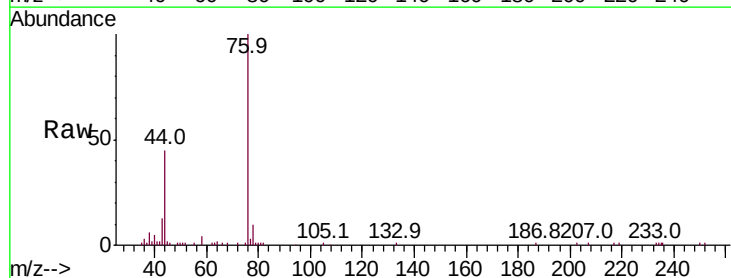
Acq: 16 Sep 2019 09:05

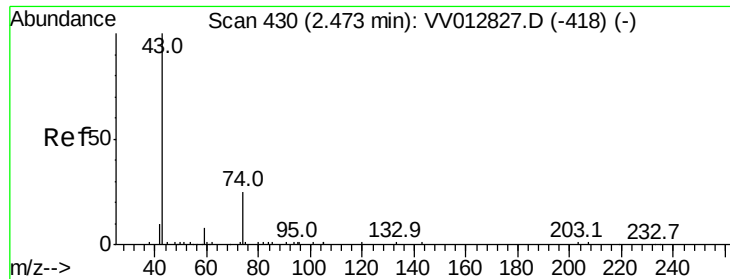
Tgt Ion: 76 Resp: 31218

Ion Ratio Lower Upper

76 100

78 10.3 7.6 11.4

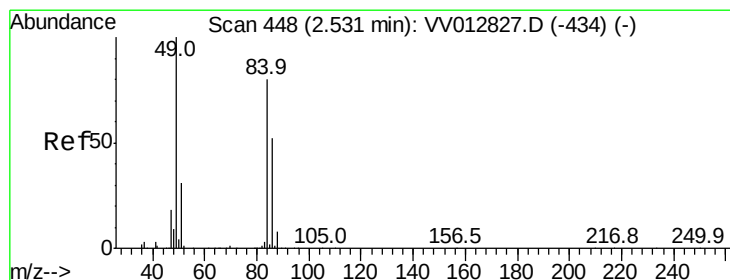
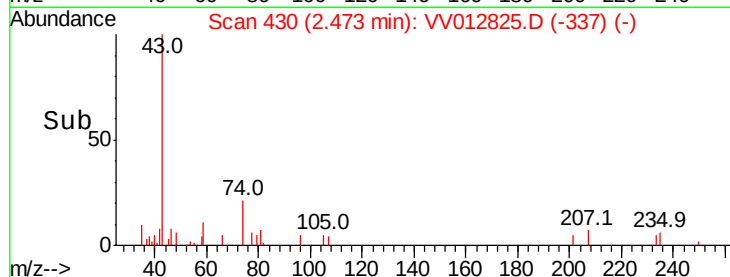
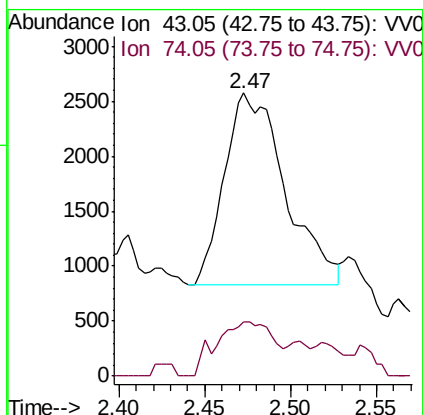
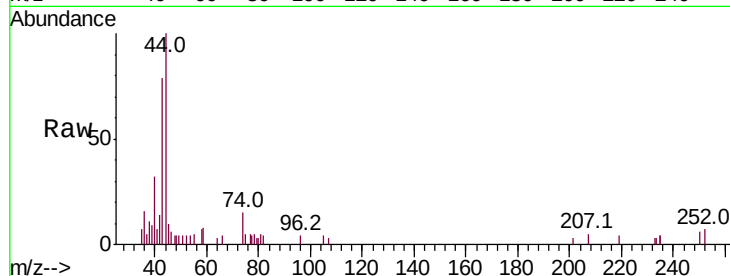




#15
Methyl Acetate
Concen: 0.380 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

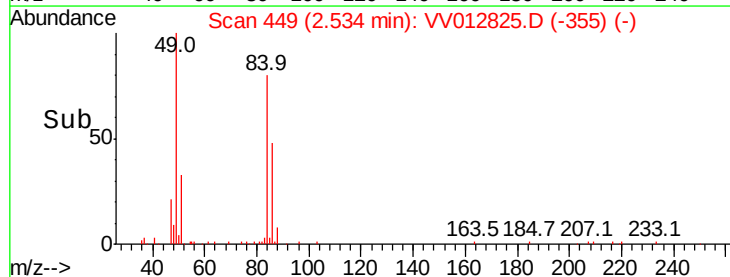
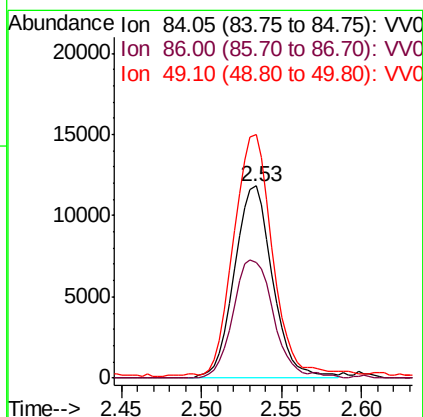
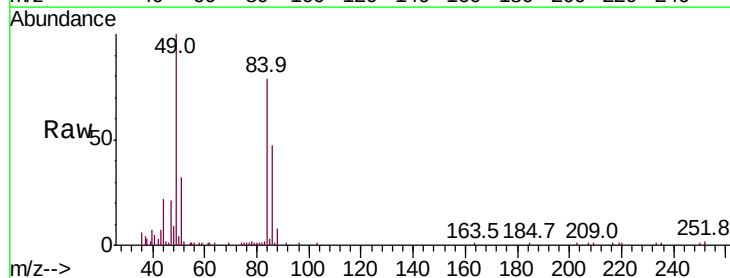
Instrument :
MSVOA_V
ClientSampled :

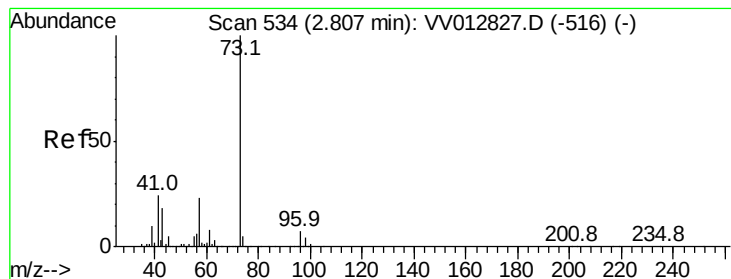
Tot Ion: 43 Resp: 4303
Ion Ratio Lower Upper
43 100
74 26.5 20.7 31.1



#16
Methylene chloride
Concen: 0.575 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Tgt Ion: 84 Resp: 19236
Ion Ratio Lower Upper
84 100
86 60.2 45.4 84.4
49 126.9 88.0 163.4



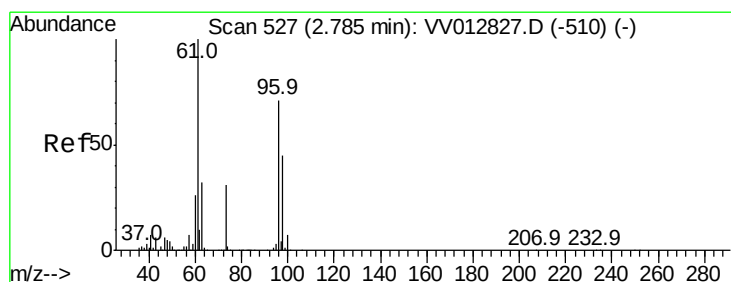
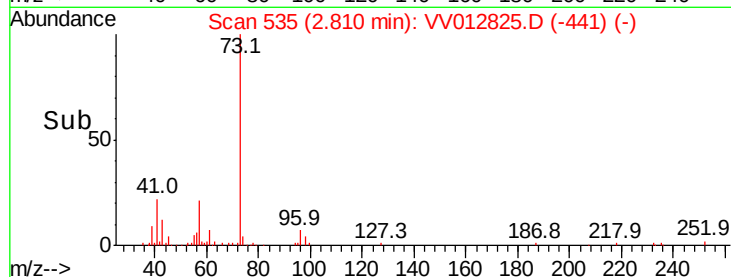
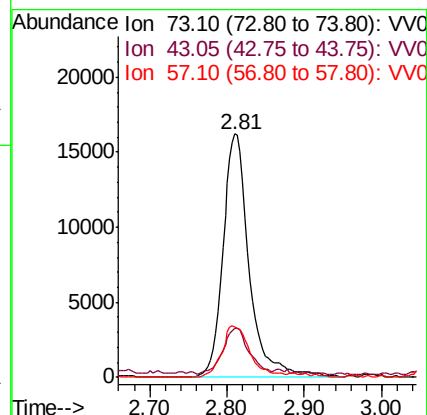
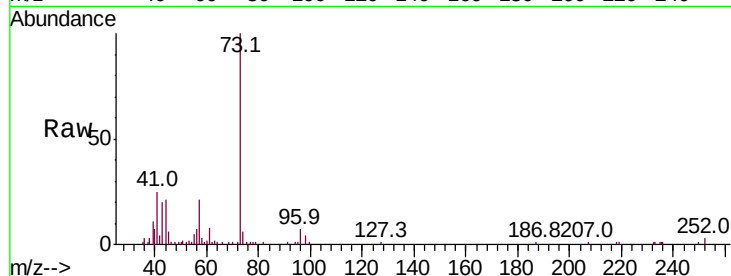


#17

Methyl tert-butyl Ether
 Concen: 0.589 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Instrument :
 MSVOA_V
 ClientSampleId :

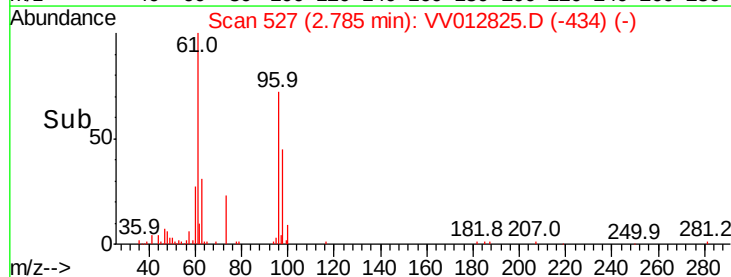
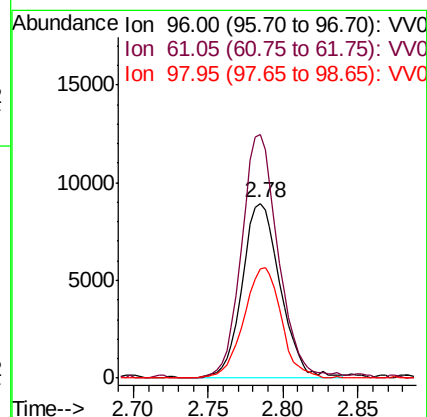
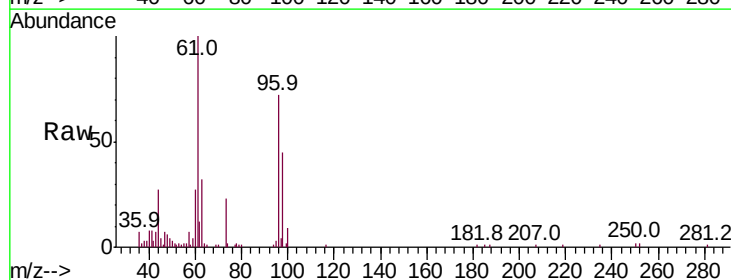
Tot Ion: 73 Resp: 38289
 Ion Ratio Lower Upper
 73 100
 43 18.9 14.5 21.7
 57 22.8 18.2 27.4

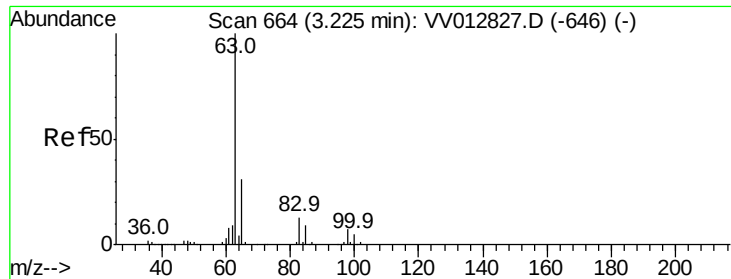


#18

trans-1,2-Dichloroethene
 Concen: 0.527 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion: 96 Resp: 15919
 Ion Ratio Lower Upper
 96 100
 61 139.5 98.2 182.4
 98 62.7 44.6 82.8

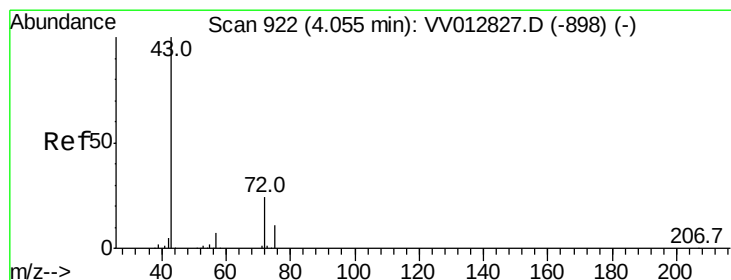
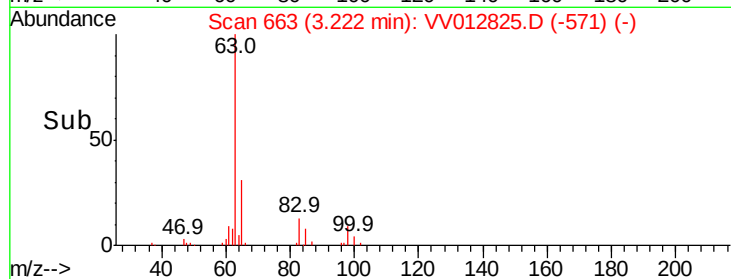
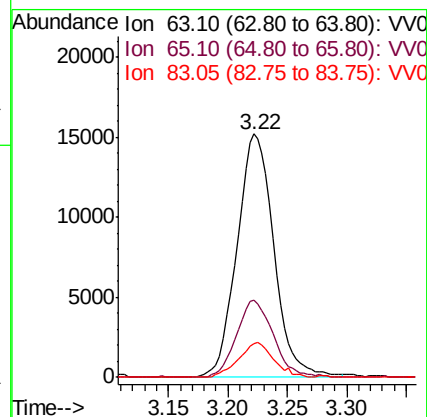
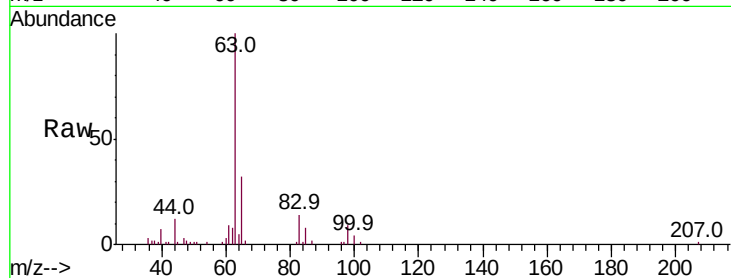




#19
 1,1-Dichloroethane
 Concen: 0.564 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

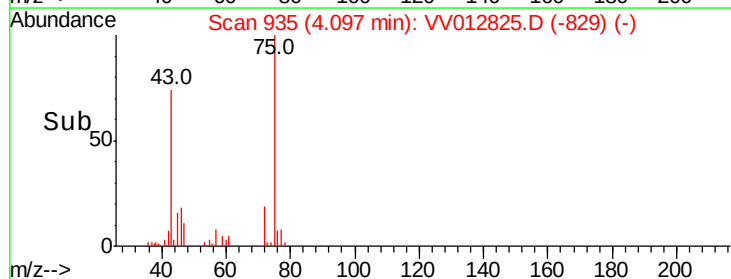
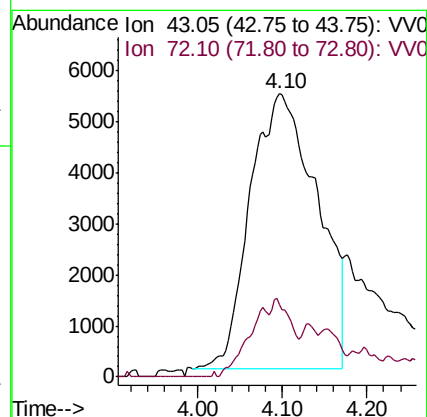
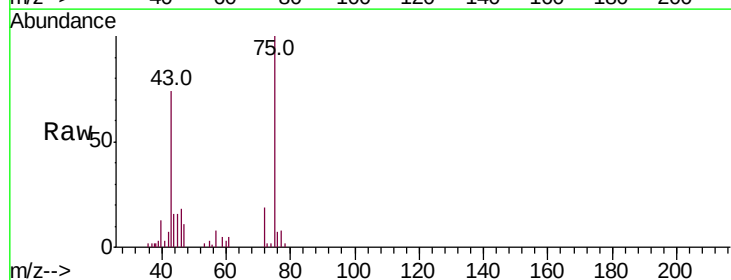
Instrument :
 MSVOA_V
 ClientSampleId :

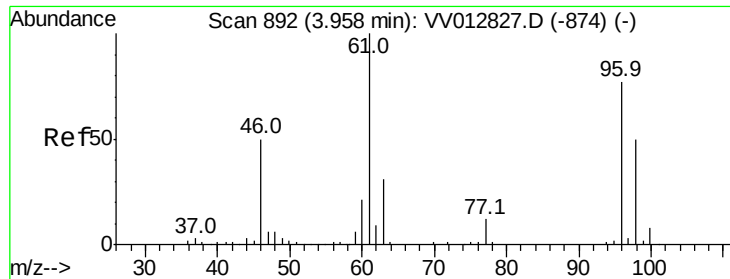
Tot Ion: 63 Resp: 32671
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.8 40.4
 83 13.9 9.2 17.0



#21
 2-Butanone
 Concen: 4.147 ug/L
 RT: 4.10 min Scan# 935
 Delta R.T. 0.04 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion: 43 Resp: 29706
 Ion Ratio Lower Upper
 43 100
 72 8.2 12.6 37.6#



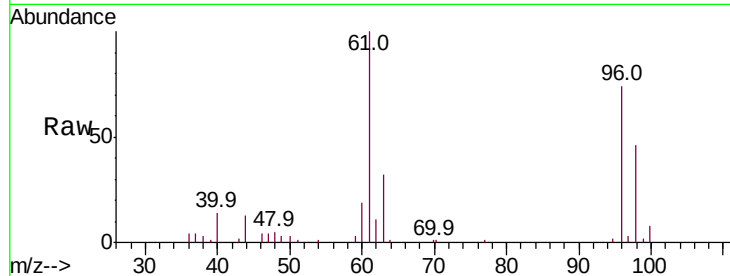


#22

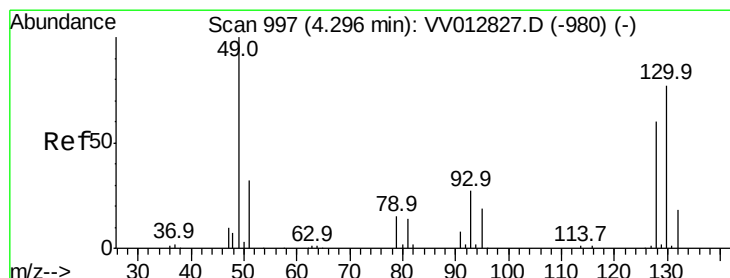
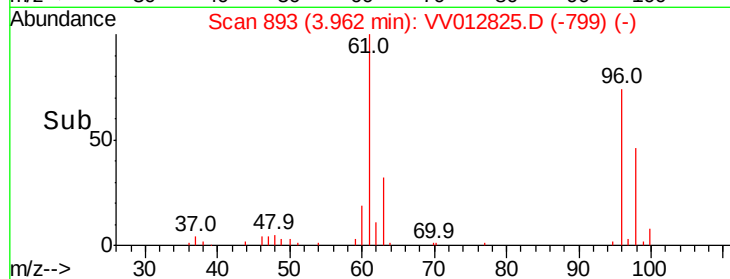
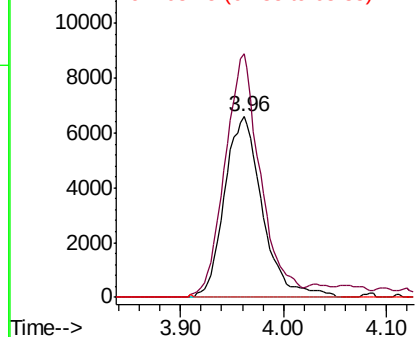
cis-1,2-Dichloroethene
Concen: 0.509 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 16832
Ion Ratio Lower Upper
96 100
61 135.0 91.2 169.4
68 0.0 0.0 0.0



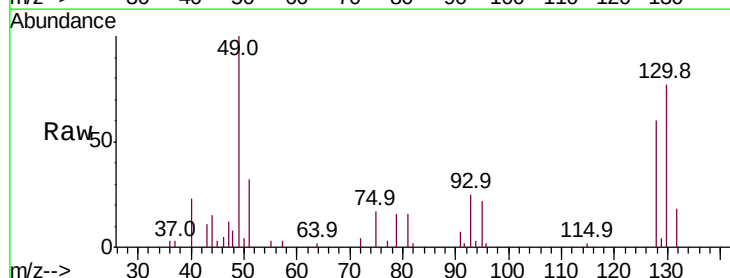
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



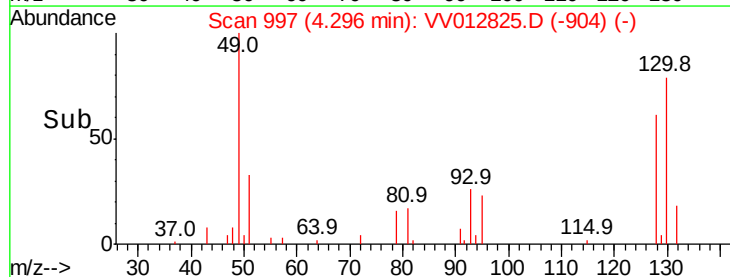
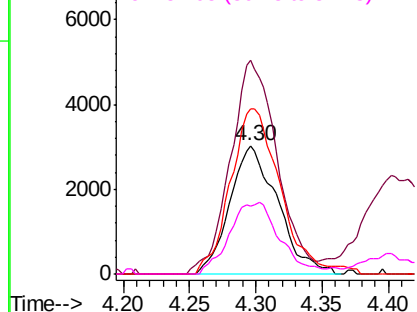
#23

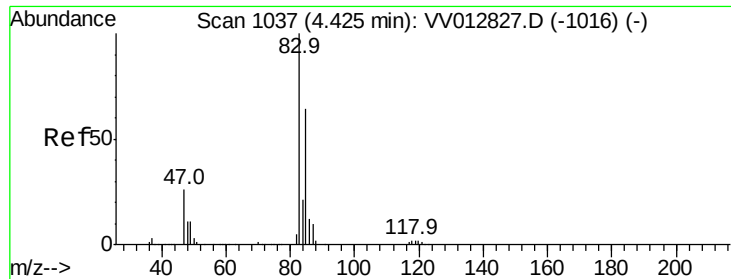
Bromochloromethane
Concen: 0.537 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Tgt Ion: 128 Resp: 7614
Ion Ratio Lower Upper
128 100
49 166.4 117.5 218.3
130 128.9 89.9 167.0
51 53.2 42.7 64.1



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

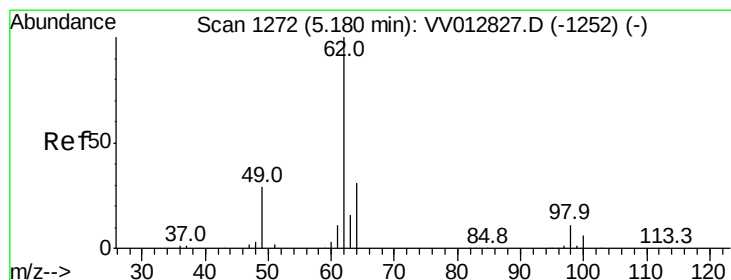
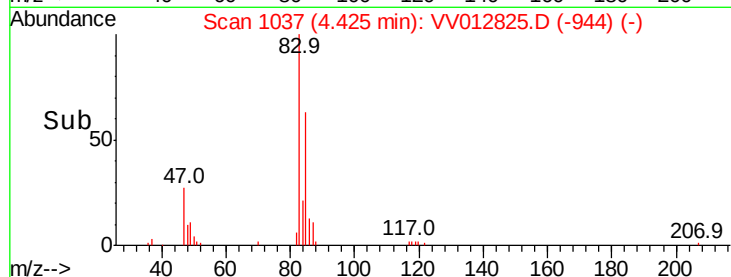
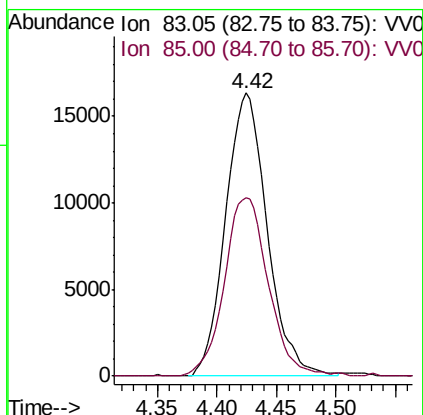
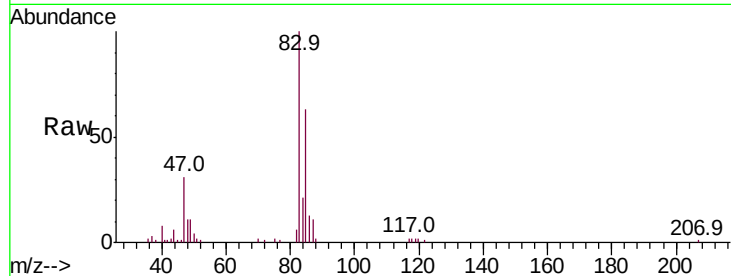




#25
Chloroform
Concen: 0.619 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

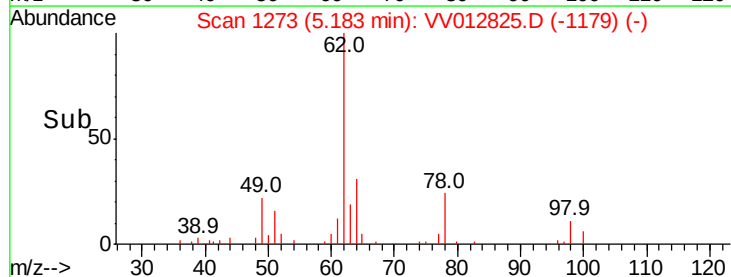
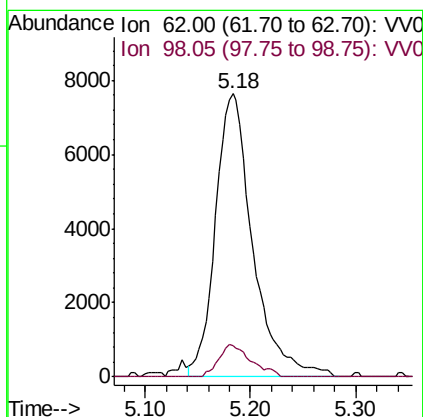
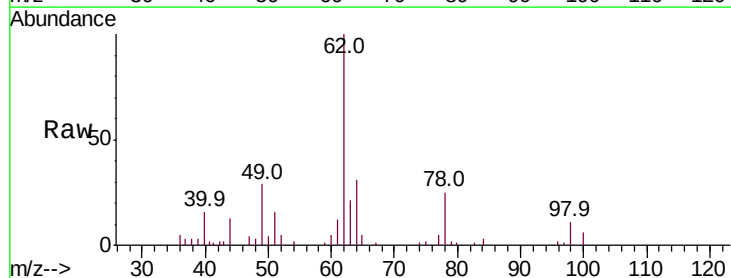
Instrument :
MSVOA_V
ClientSampled :

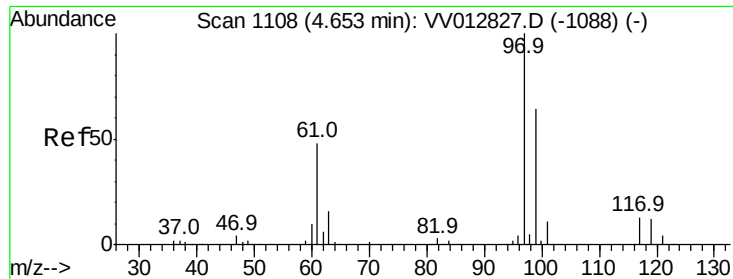
Tot Ion: 83 Resp: 39612
Ion Ratio Lower Upper
83 100
85 63.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.559 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Tgt Ion: 62 Resp: 18713
Ion Ratio Lower Upper
62 100
98 11.2 8.3 12.5

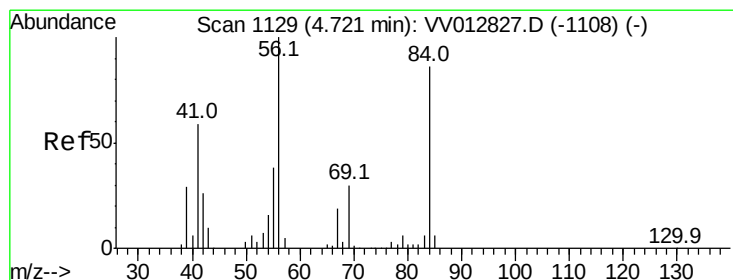
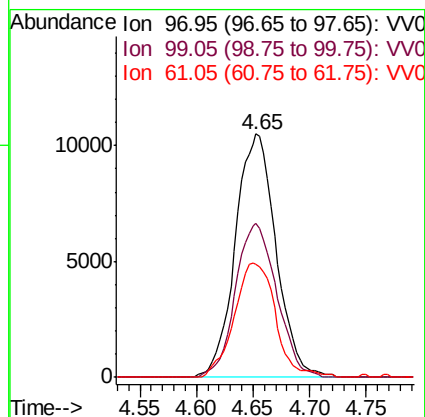
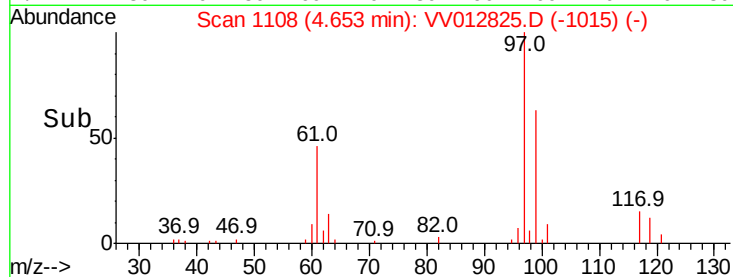
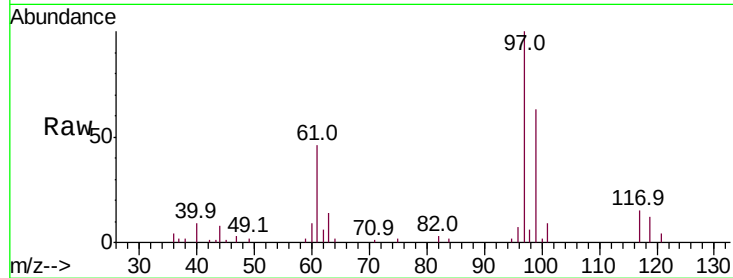




#29
 1,1,1-Trichloroethane
 Concen: 0.557 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

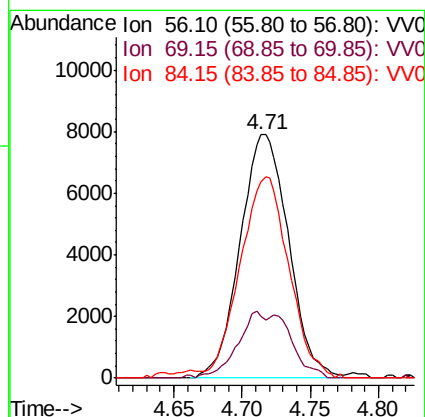
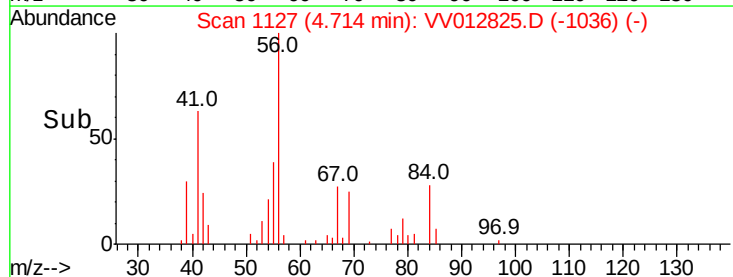
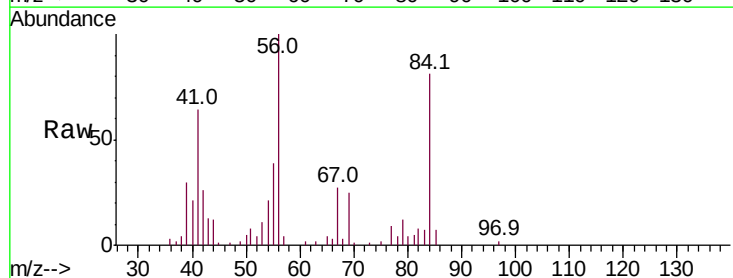
Instrument :
 MSVOA_V
 ClientSampled :

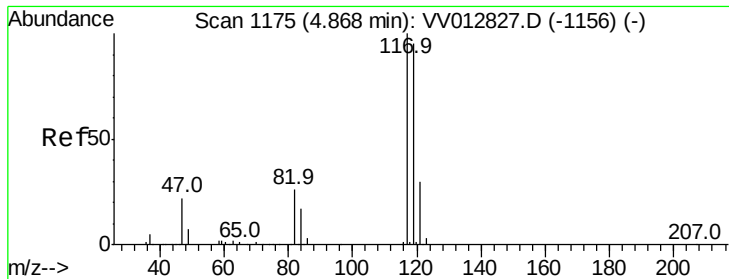
Tot Ion: 97 Resp: 26202
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.9 76.3
 61 47.9 38.2 57.4



#30
 Cyclohexane
 Concen: 0.426 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion: 56 Resp: 19466
 Ion Ratio Lower Upper
 56 100
 69 15.7 23.9 35.9#
 84 83.5 67.9 101.9

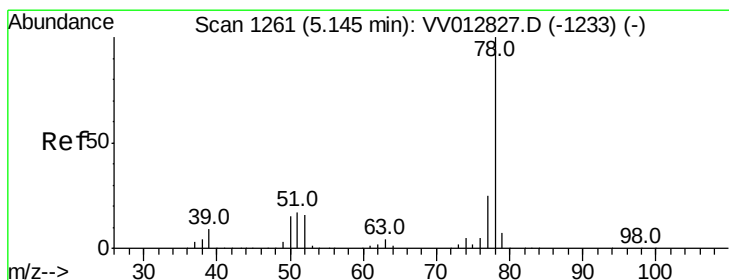
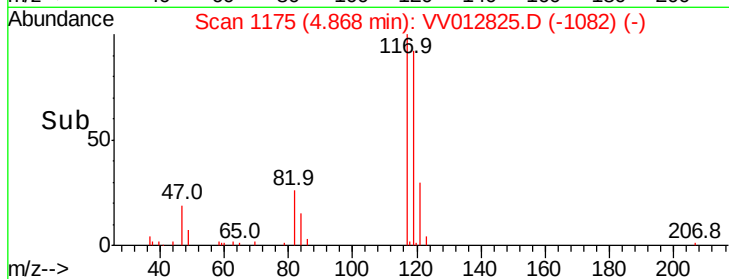
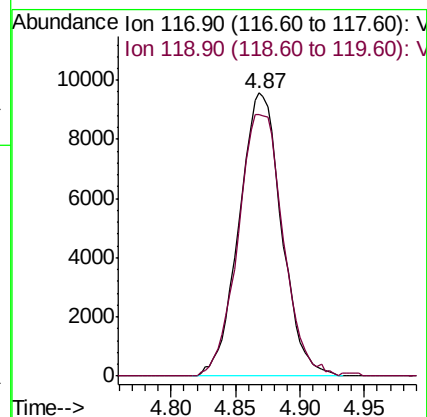
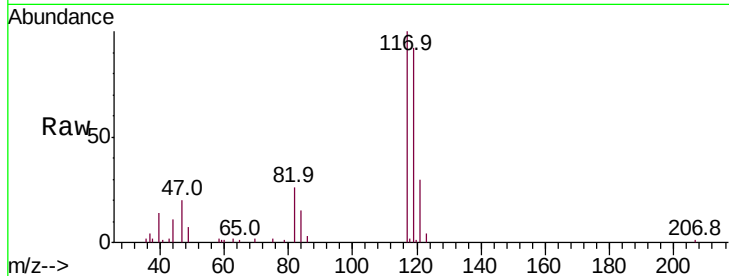




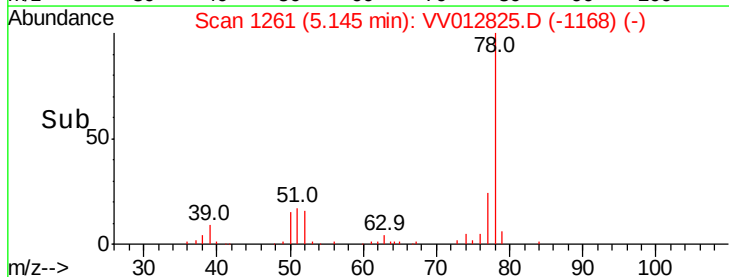
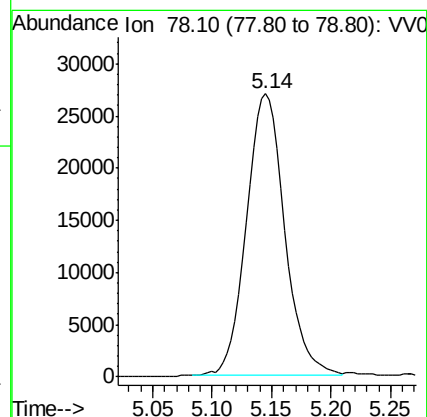
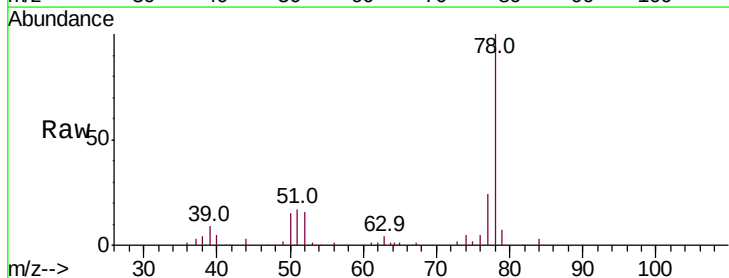
#31
Carbon tetrachloride
Concen: 0.534 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

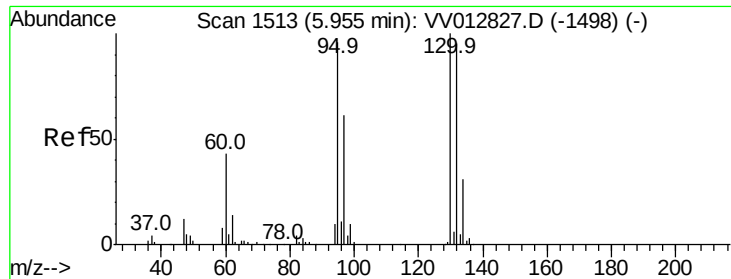
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 21978
Ion Ratio Lower Upper
117 100
119 97.8 76.4 114.6



#33
Benzene
Concen: 0.488 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05
Tgt Ion: 78 Resp: 60271





#34

Trichloroethene

Concen: 0.540 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 18561

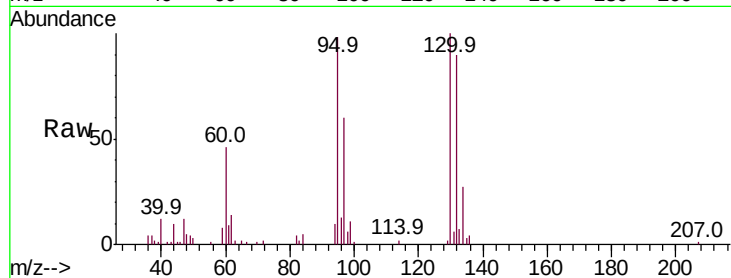
Ion Ratio Lower Upper

95 100

97 61.1 44.4 82.4

132 91.9 69.0 128.1

130 102.5 72.8 135.2

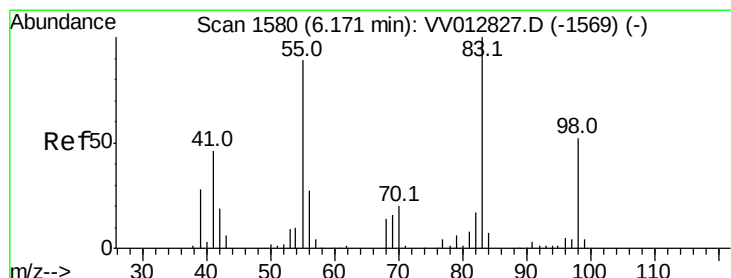
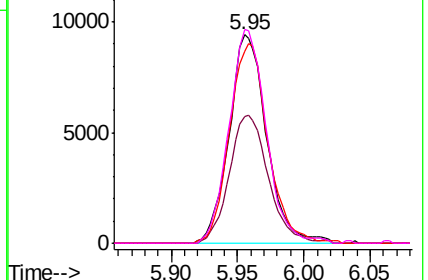
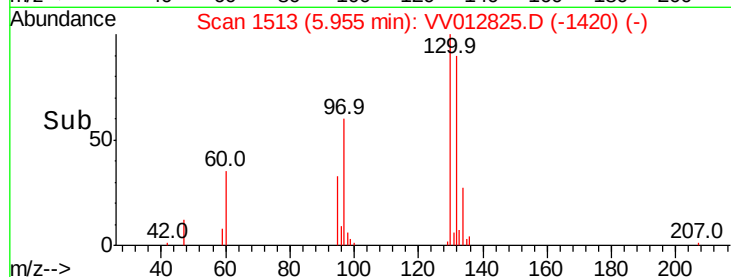


Abundance Ion 95.00 (94.70 to 95.70): VV012825.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012825.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012825.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012825.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.409 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

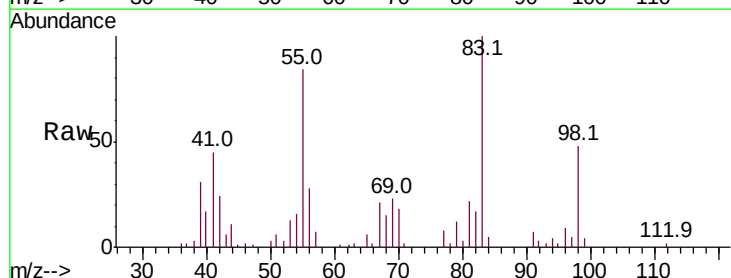
Tgt Ion: 83 Resp: 19459

Ion Ratio Lower Upper

83 100

55 83.4 65.4 98.2

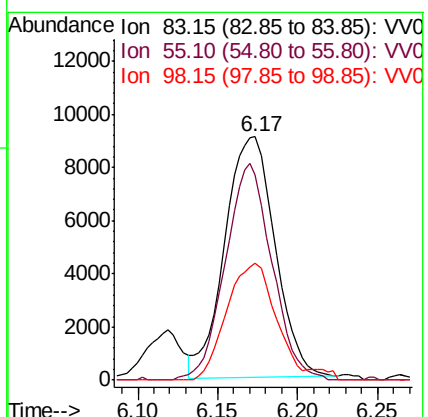
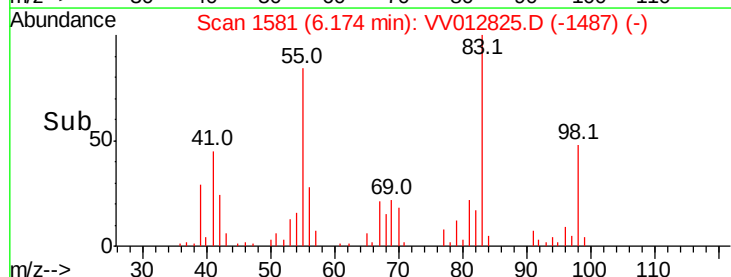
98 47.4 39.0 58.4

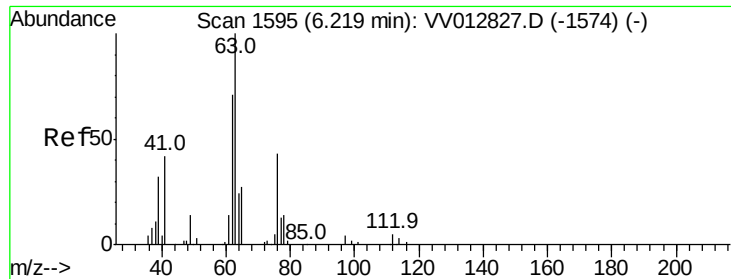


Abundance Ion 83.15 (82.85 to 83.85): VV012825.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV012825.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV012825.D (-1487) (-)

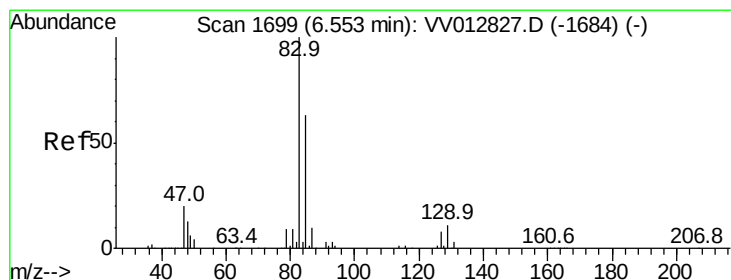
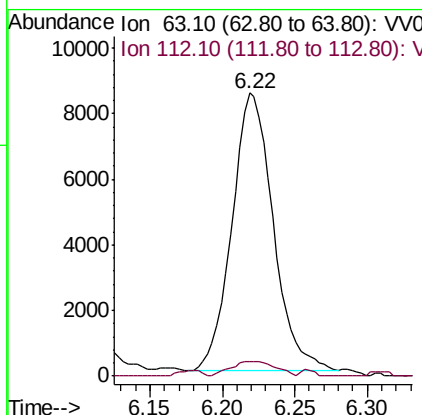
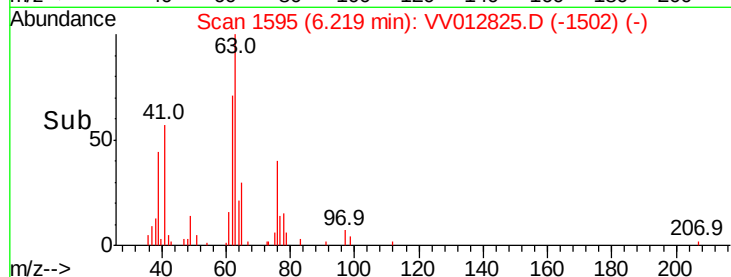
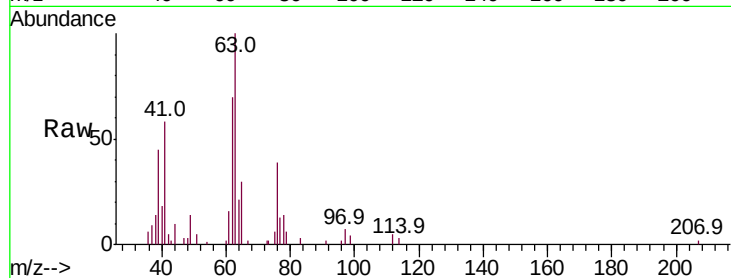




#37
 1,2-Dichloropropane
 Concen: 0.539 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

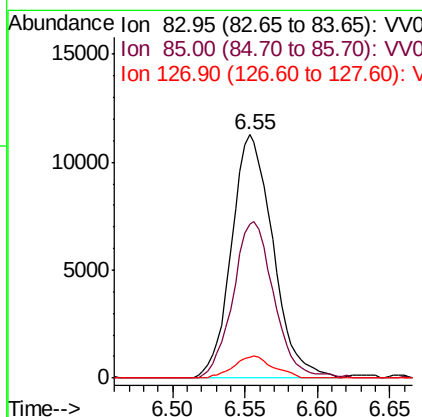
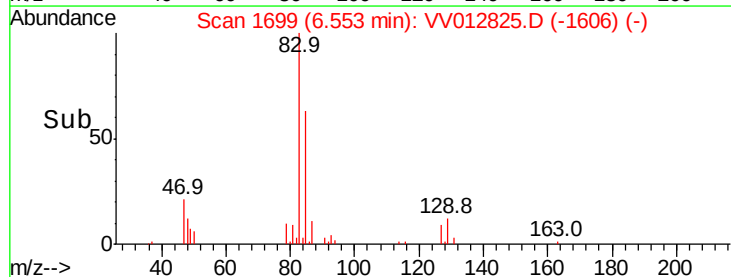
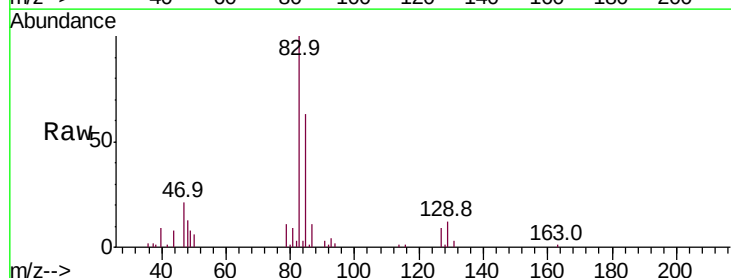
Instrument :
 MSVOA_V
 ClientSampleId :

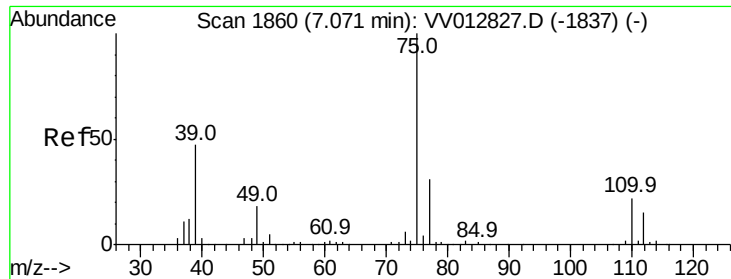
Tot Ion: 63 Resp: 16767
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.2 6.2



#38
 Bromodichloromethane
 Concen: 0.554 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion: 83 Resp: 22394
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.2 82.0
 127 8.8 6.7 10.1

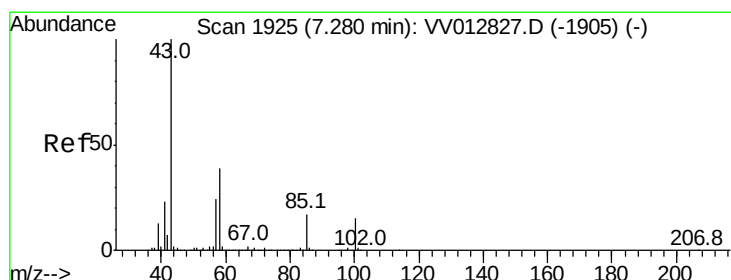
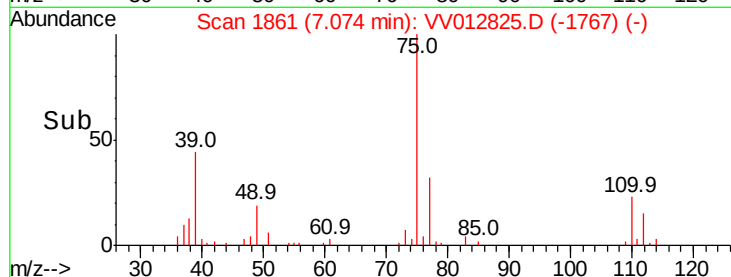
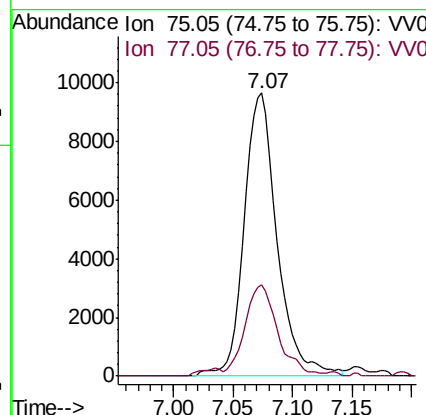
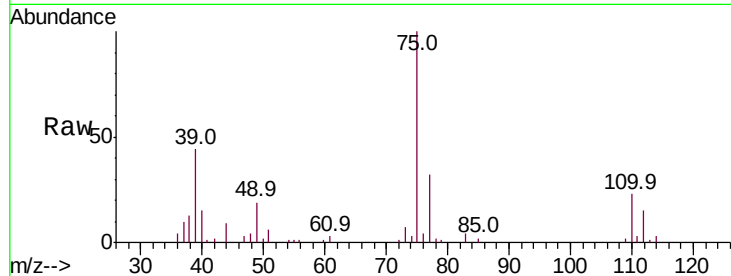




#39
 cis-1,3-Dichloropropene
 Concen: 0.457 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

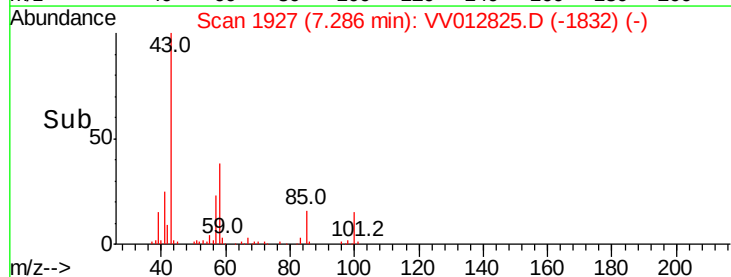
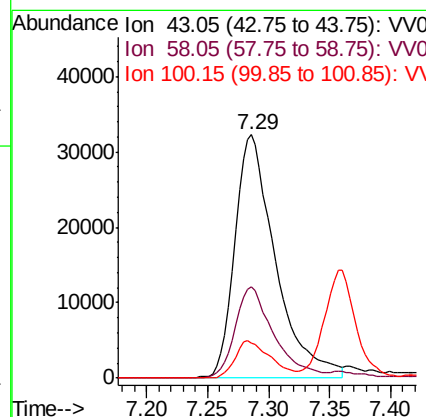
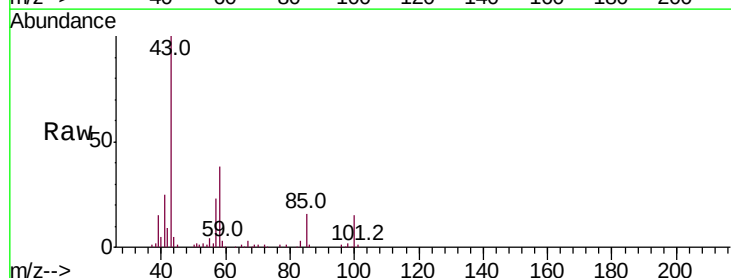
Instrument :
 MSVOA_V
 ClientSampled :

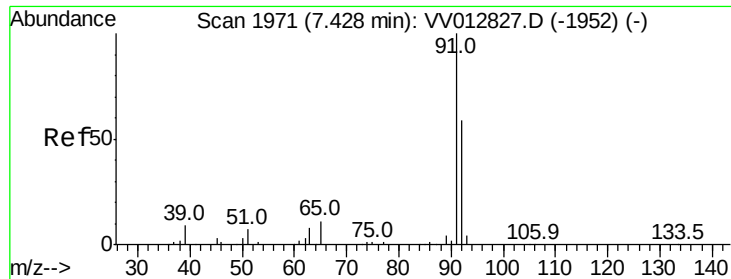
Tot Ion: 75 Resp: 18542
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 4.309 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.01 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion: 43 Resp: 74936
 Ion Ratio Lower Upper
 43 100
 58 35.7 32.9 49.3
 100 13.3 11.6 17.4





#42

Toluene

Concen: 0.432 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

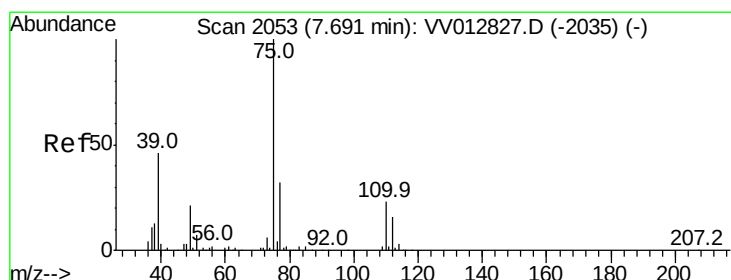
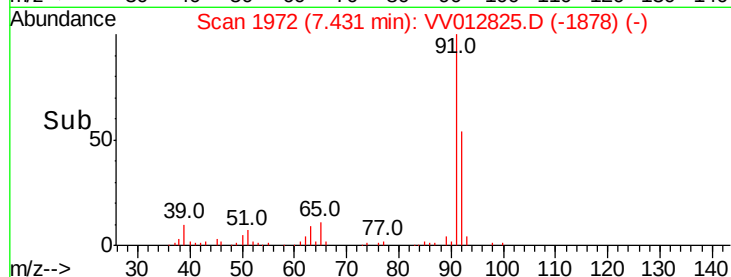
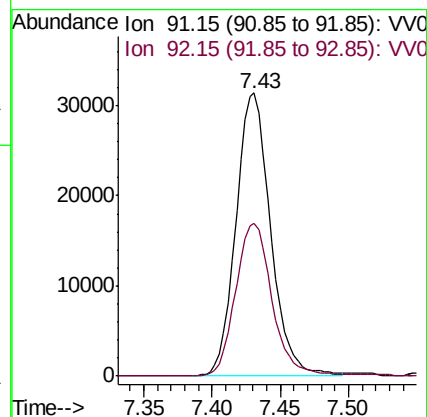
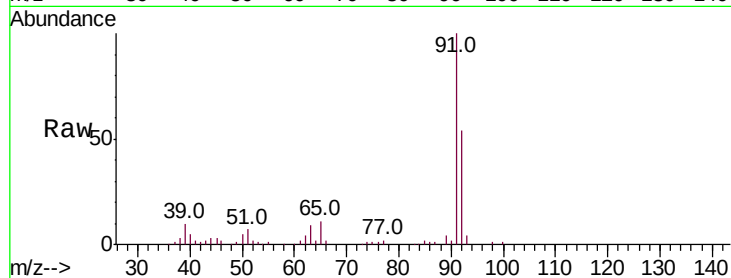
ClientSampleId :

Tot Ion: 91 Resp: 55504

Ion Ratio Lower Upper

91 100

92 54.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 0.485 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012825.D

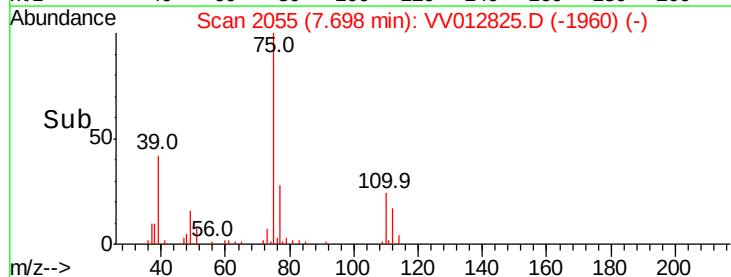
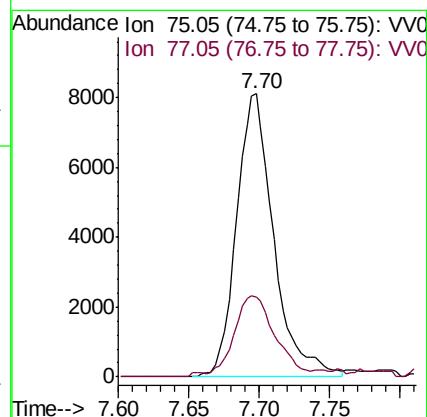
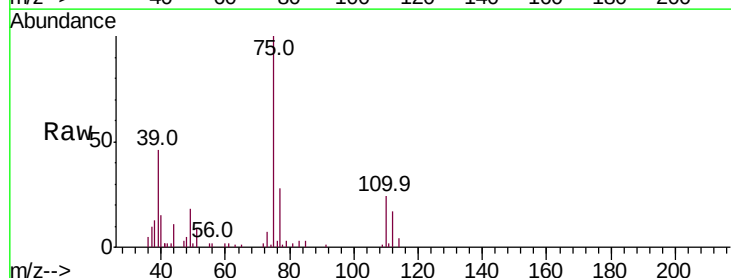
Acq: 16 Sep 2019 09:05

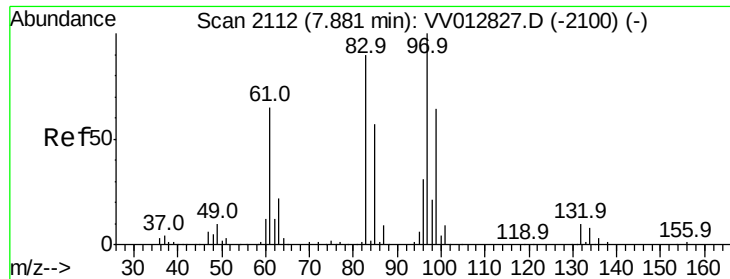
Tgt Ion: 75 Resp: 14984

Ion Ratio Lower Upper

75 100

77 28.3 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 0.540 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 11763

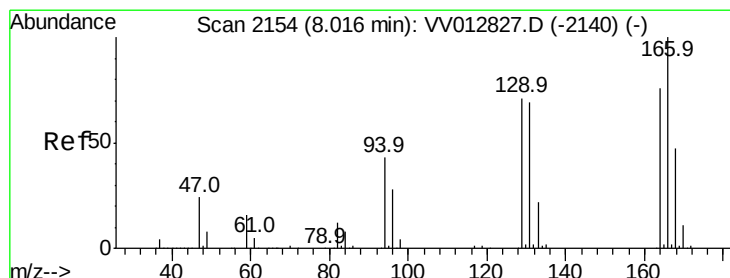
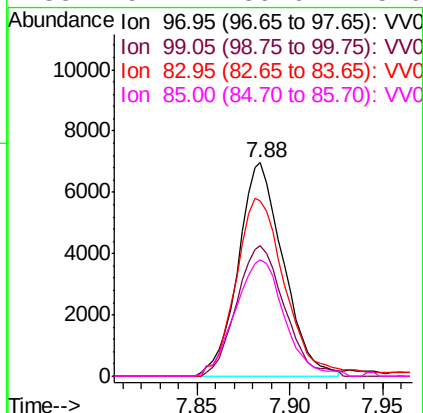
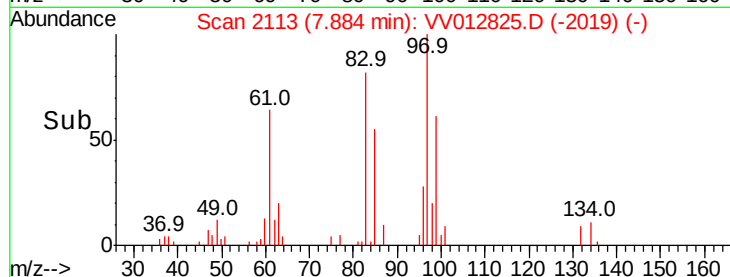
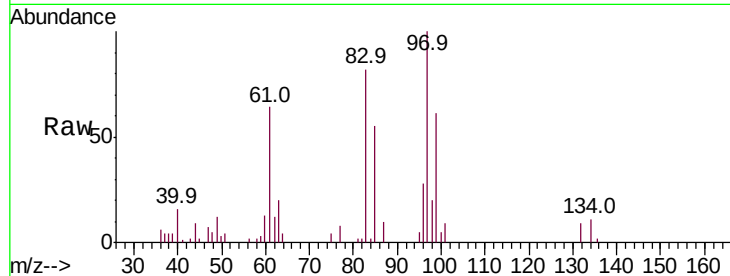
Ion Ratio Lower Upper

97 100

99 61.0 45.2 84.0

83 82.4 63.0 117.0

85 54.7 39.6 73.6



#47

Tetrachloroethene

Concen: 0.495 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Tgt Ion: 164 Resp: 13196

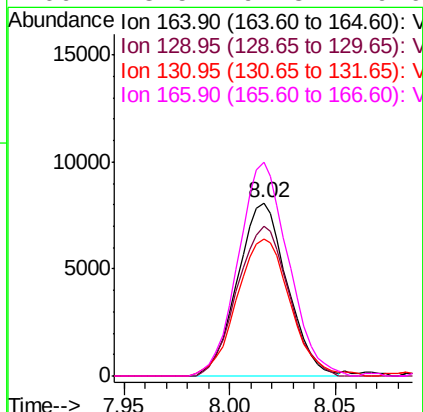
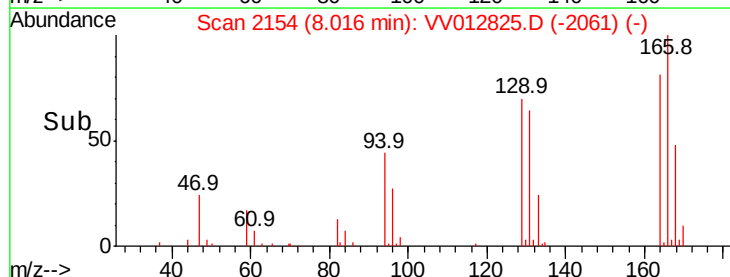
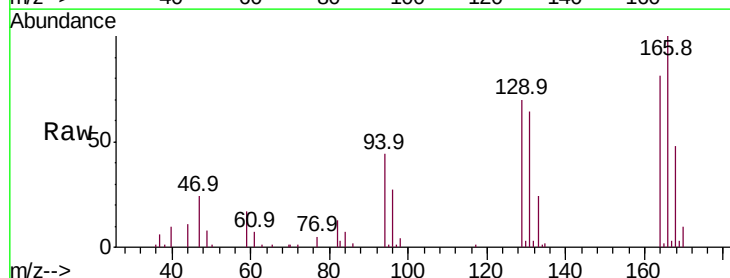
Ion Ratio Lower Upper

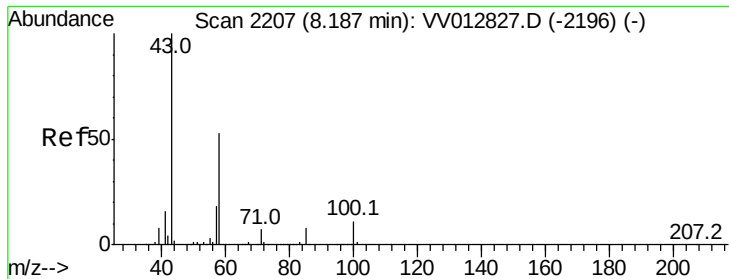
164 100

129 86.6 65.0 120.8

131 79.1 63.6 118.0

166 123.5 91.8 170.6

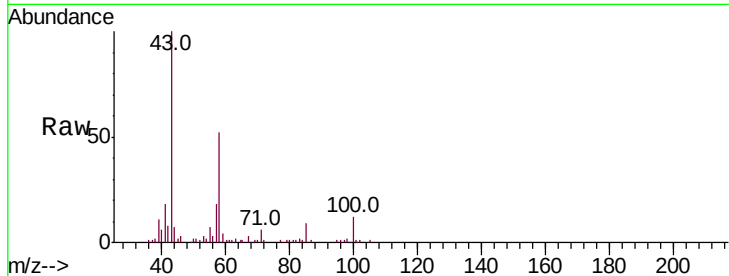




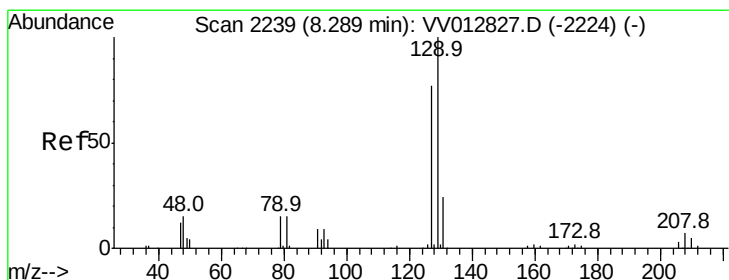
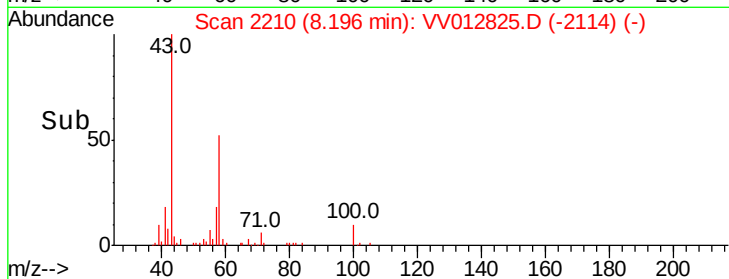
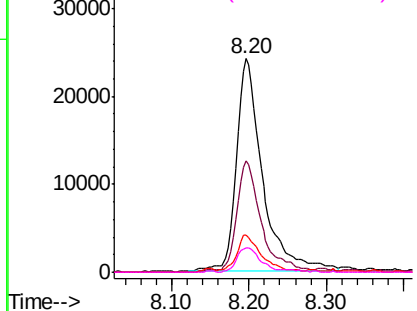
#48
2-Hexanone
Concen: 4.503 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 56543
Ion Ratio Lower Upper
43 100
58 46.5 44.8 67.2
57 16.8 15.0 22.6
100 10.6 8.8 13.2

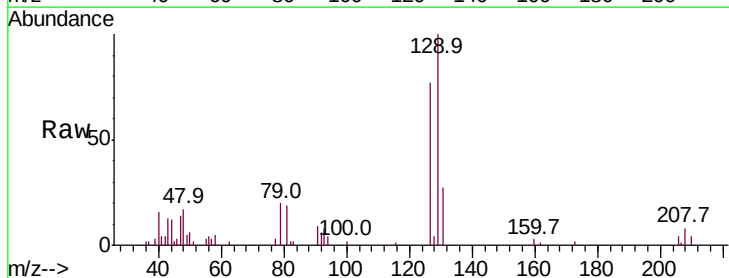


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

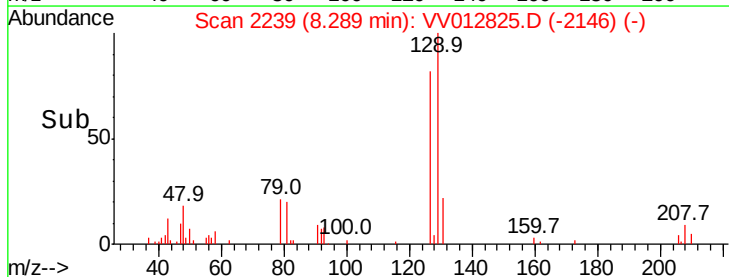
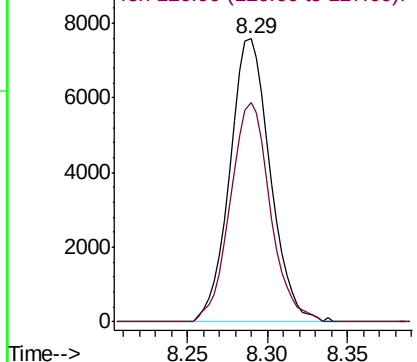


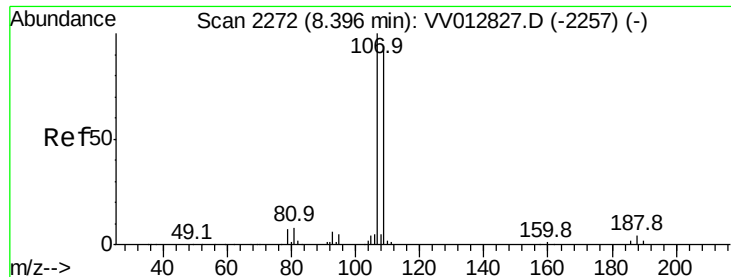
#49
Dibromochloromethane
Concen: 0.504 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Tgt Ion: 129 Resp: 13030
Ion Ratio Lower Upper
129 100
127 77.4 53.9 100.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

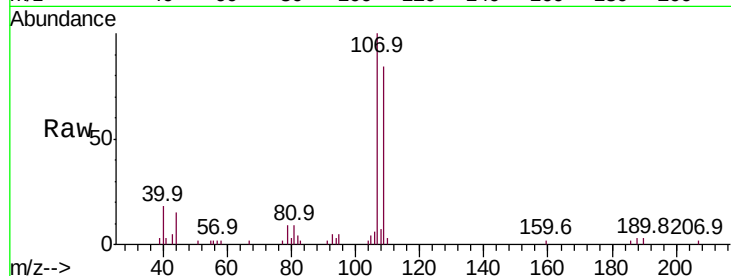




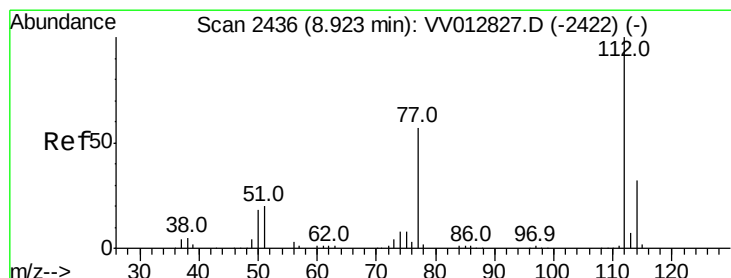
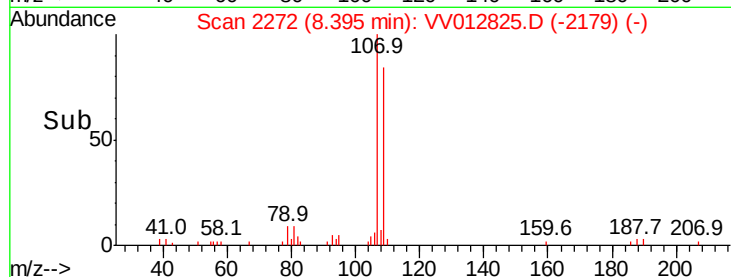
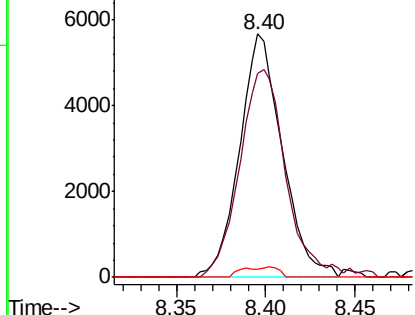
#50
1,2-Dibromoethane
Concen: 0.495 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	83.6	65.5	121.6
188	3.2	3.0	4.4

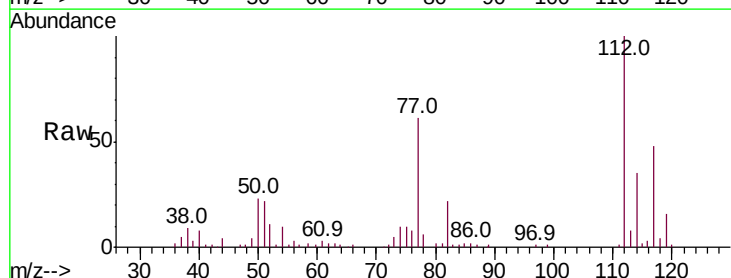


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

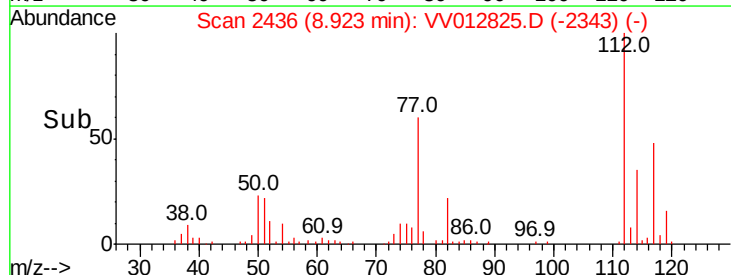
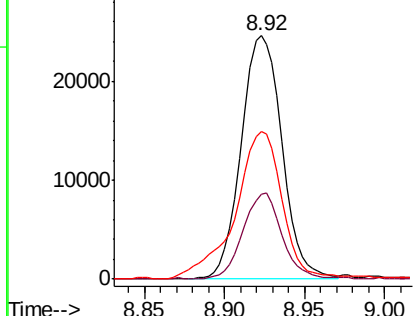


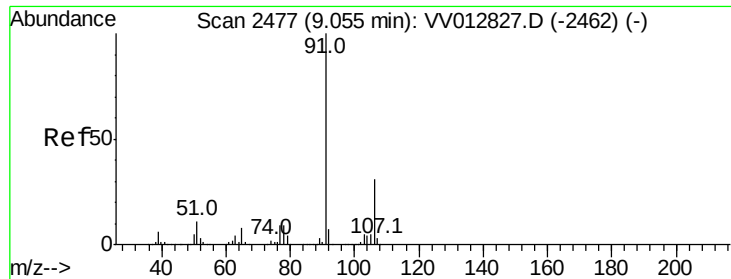
#51
Chlorobenzene
Concen: 0.504 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012825.D
Acq: 16 Sep 2019 09:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.0	22.0	41.0
77	60.8	45.7	68.5



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): VV0





#52

Ethylbenzene

Concen: 0.416 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

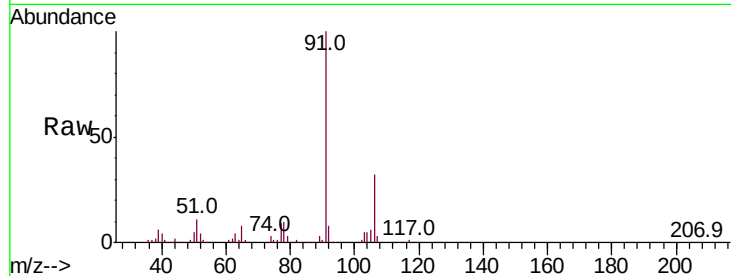
ClientSampleId :

Tot Ion: 91 Resp: 57445

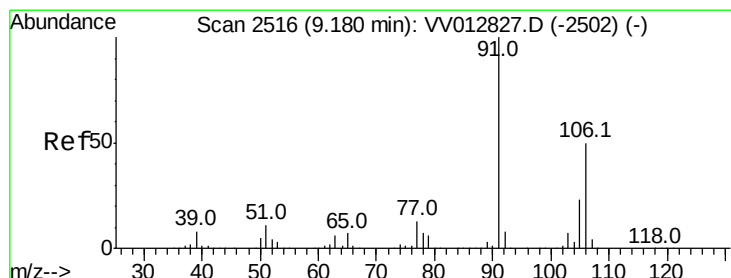
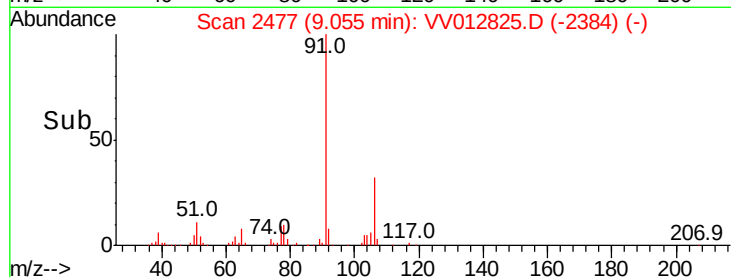
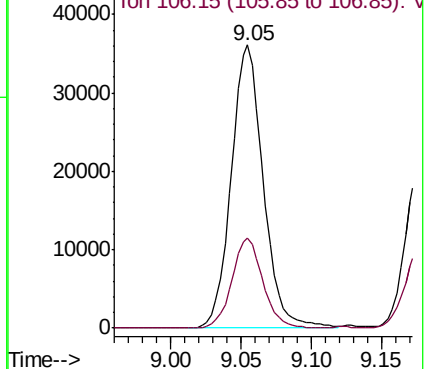
Ion Ratio Lower Upper

91 100

106 32.0 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012827.D (-2462) (-)



#53

m,p-xylene

Concen: 0.395 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012825.D

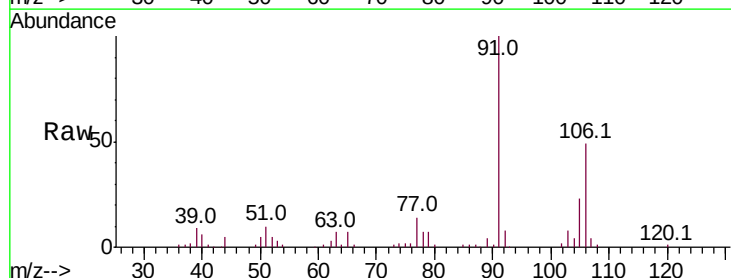
Acq: 16 Sep 2019 09:05

Tgt Ion: 106 Resp: 20582

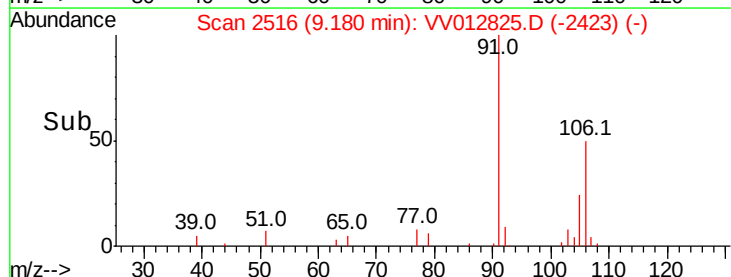
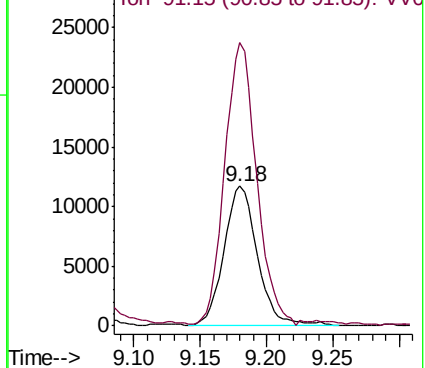
Ion Ratio Lower Upper

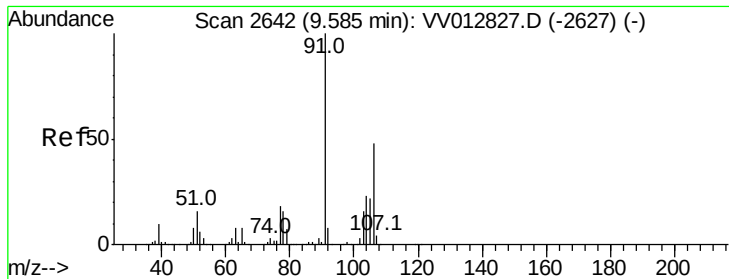
106 100

91 203.0 138.9 258.1



Abundance Ion 106.15 (105.85 to 106.85): VV012827.D (-2502) (-)





#54

o-xylene

Concen: 0.382 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

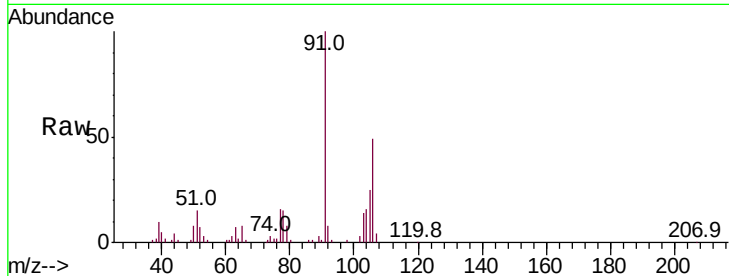
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 19119

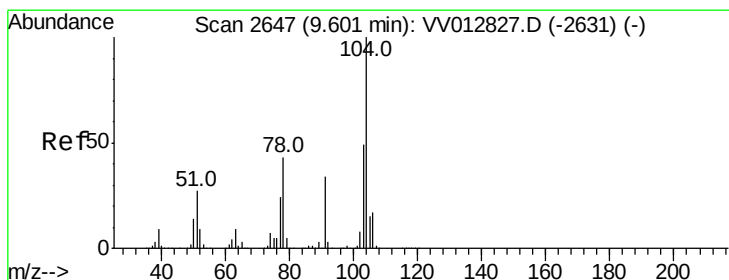
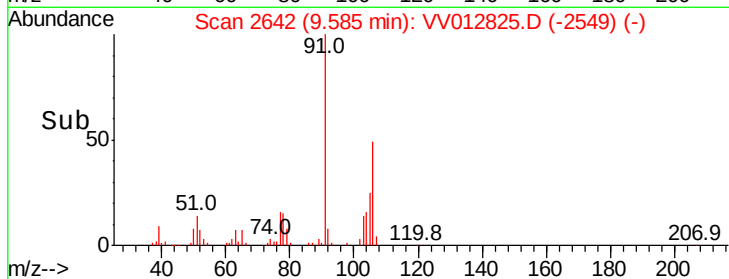
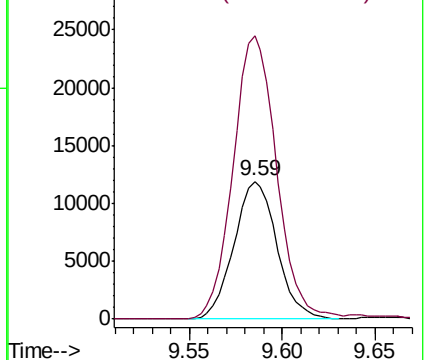
Ion Ratio Lower Upper

106 100

91 205.7 147.4 273.8



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



#55

Styrene

Concen: 0.355 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012825.D

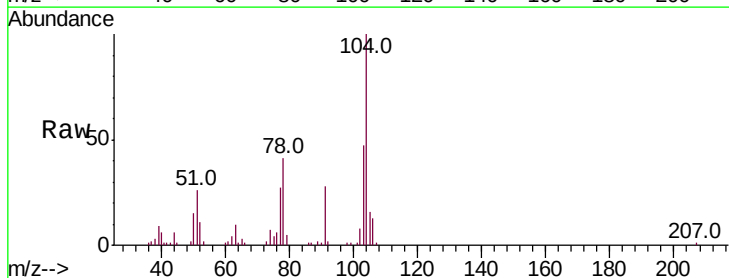
Acq: 16 Sep 2019 09:05

Tgt Ion:104 Resp: 29633

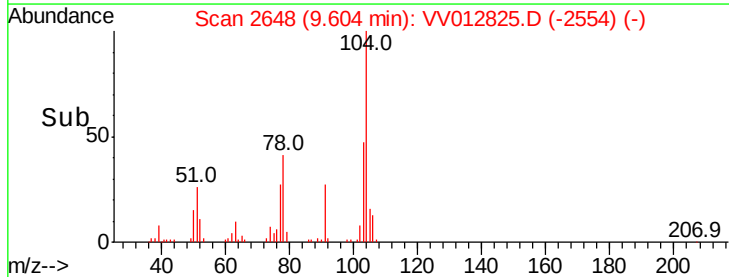
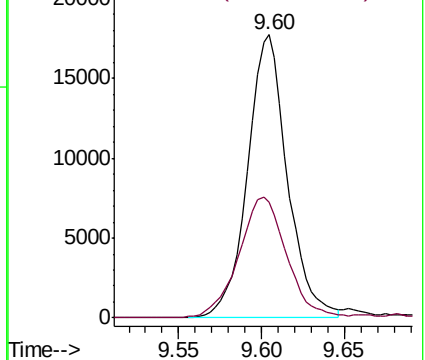
Ion Ratio Lower Upper

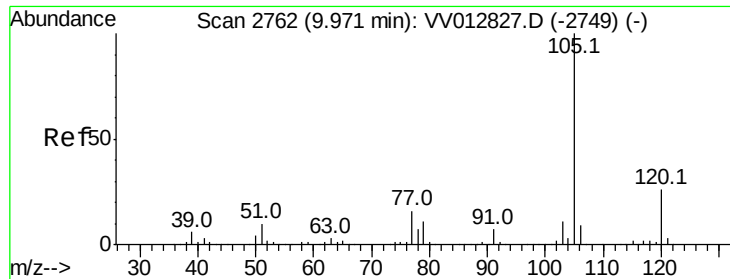
104 100

78 40.9 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: 0.378 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

ClientSampleId :

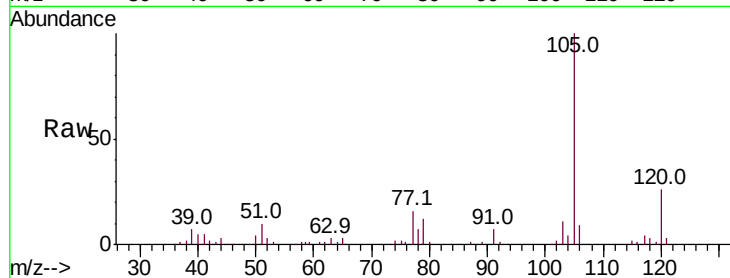
Tot Ion:105 Resp: 50176

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.4

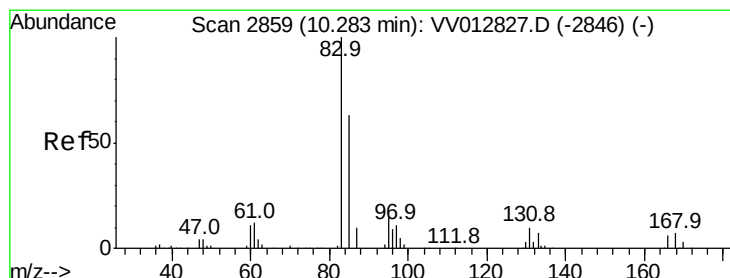
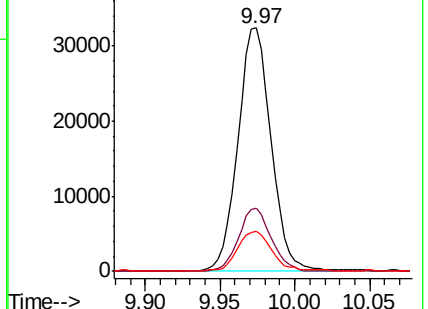
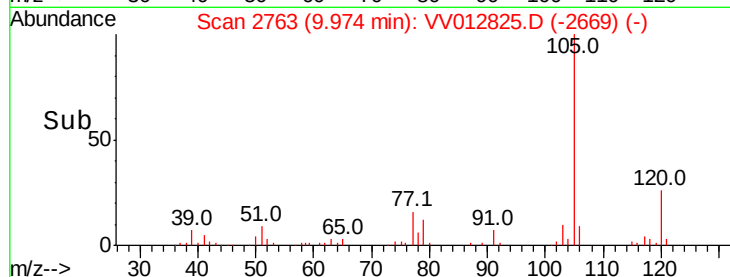
77 17.0 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.470 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

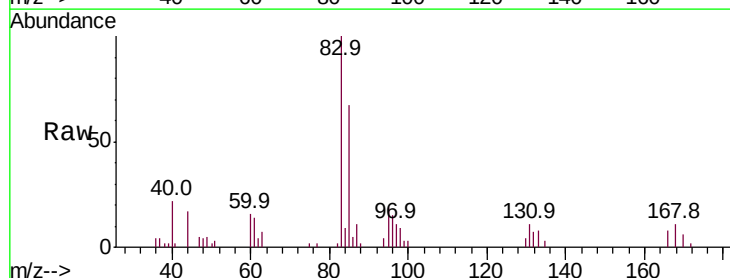
Tgt Ion: 83 Resp: 10098

Ion Ratio Lower Upper

83 100

85 66.8 44.1 81.9

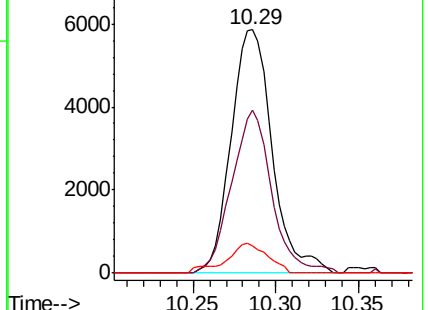
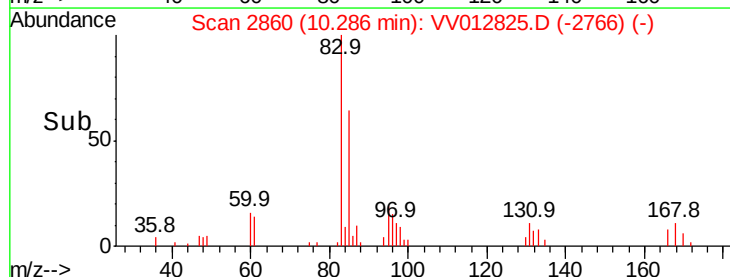
131 11.1 8.2 12.2

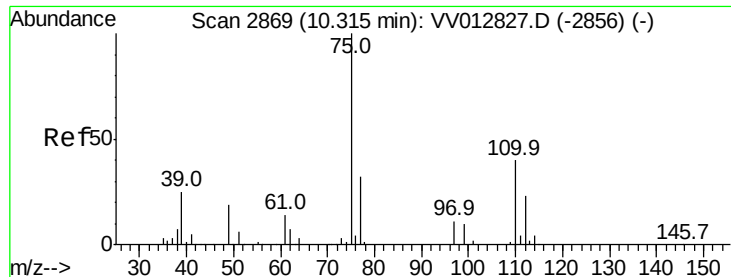


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.527 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

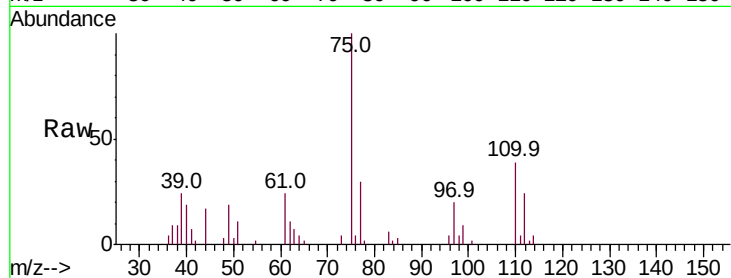
ClientSampleId :

Tot Ion: 75 Resp: 9736

Ion Ratio Lower Upper

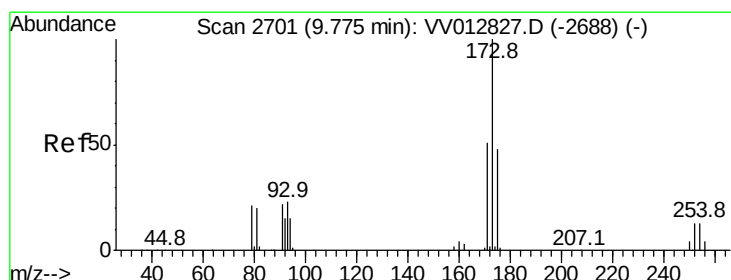
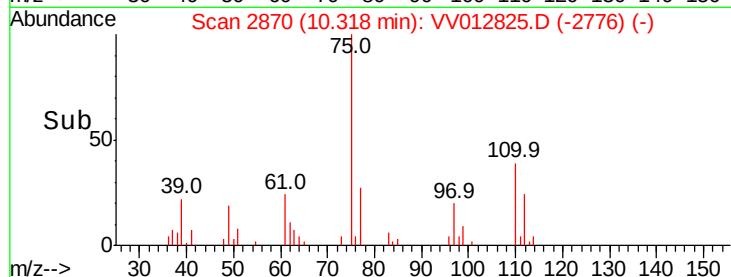
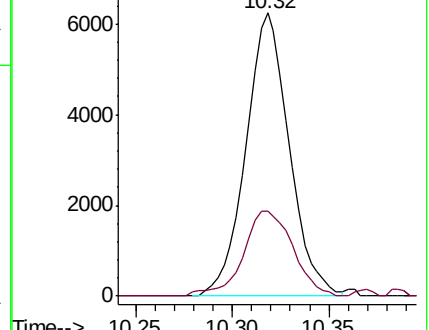
75 100

77 34.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV012827.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012827.D (-2856) (-)



#61

Bromoform

Concen: 0.582 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

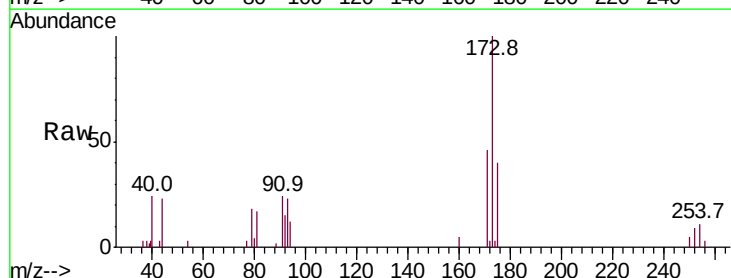
Tgt Ion: 173 Resp: 7173

Ion Ratio Lower Upper

173 100

175 45.0 39.4 59.0

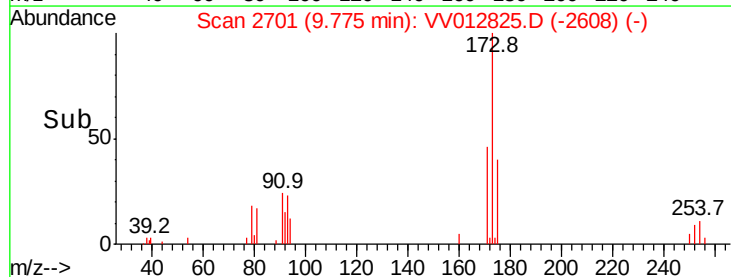
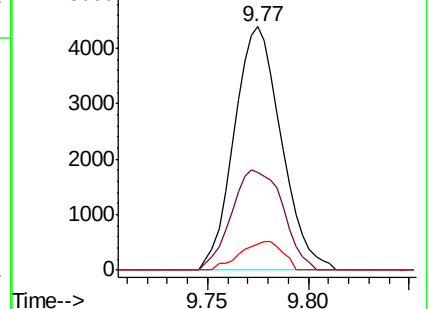
254 10.6 9.9 14.9

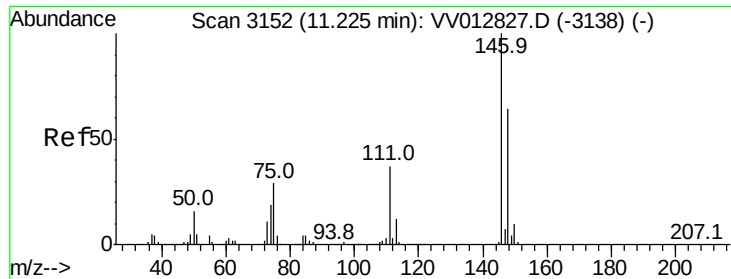


Abundance Ion 172.90 (172.60 to 173.60): VV012827.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV012827.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV012827.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 0.509 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Instrument :

MSVOA_V

ClientSampled :

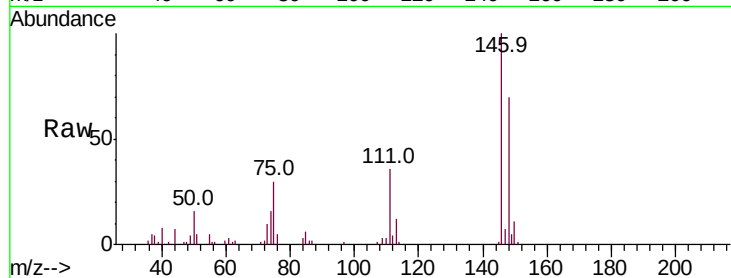
Tot Ion:146 Resp: 29146

Ion Ratio Lower Upper

146 100

111 36.1 26.0 48.4

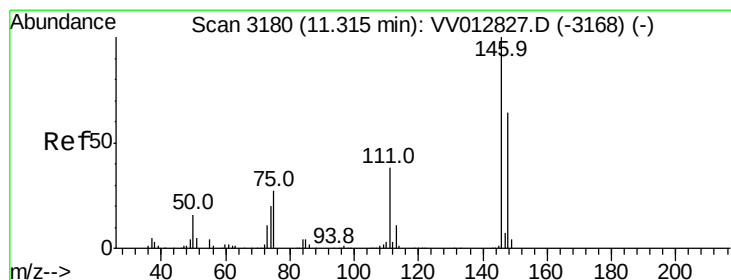
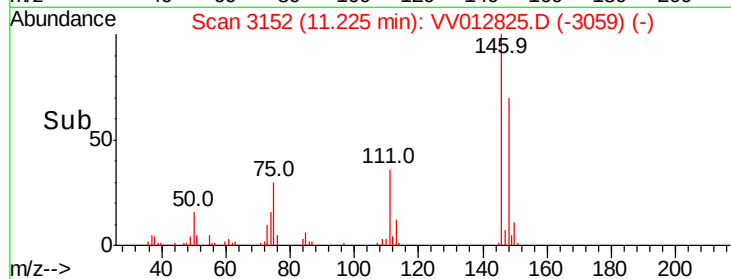
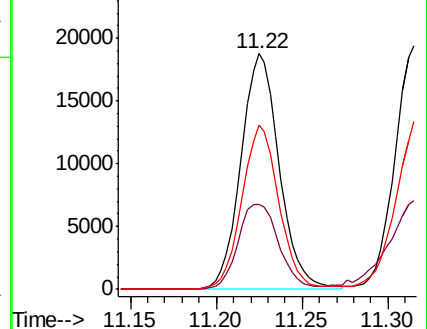
148 69.6 45.0 83.6



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: 0.548 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

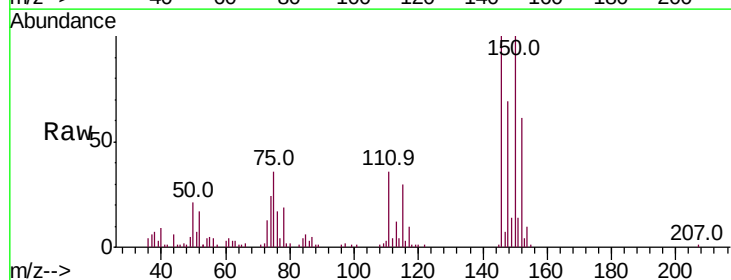
Tgt Ion:146 Resp: 31730

Ion Ratio Lower Upper

146 100

111 36.2 26.6 49.4

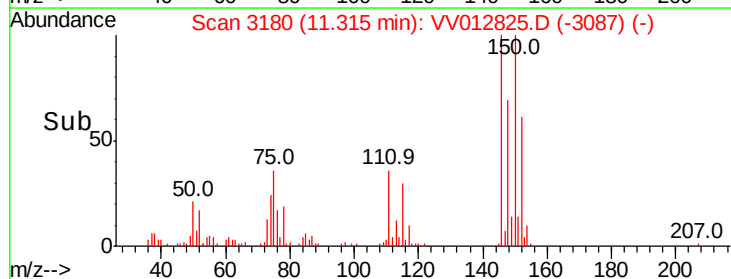
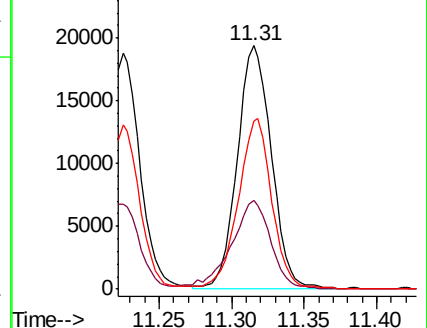
148 68.9 45.0 83.6

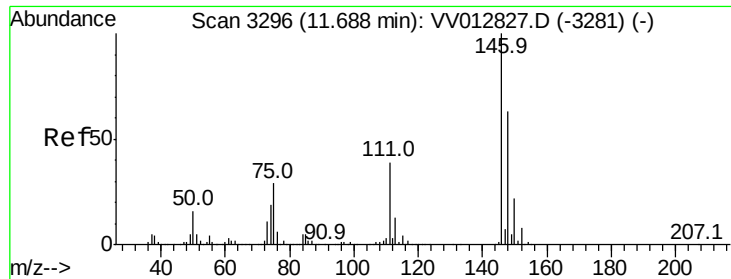


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

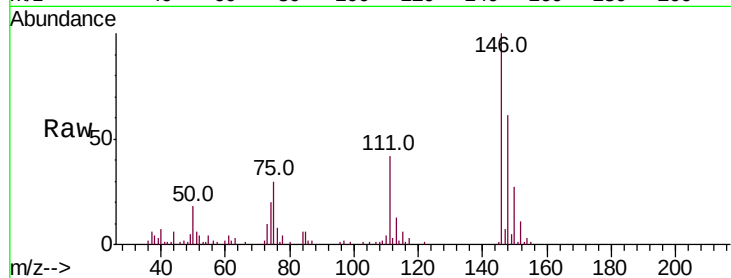




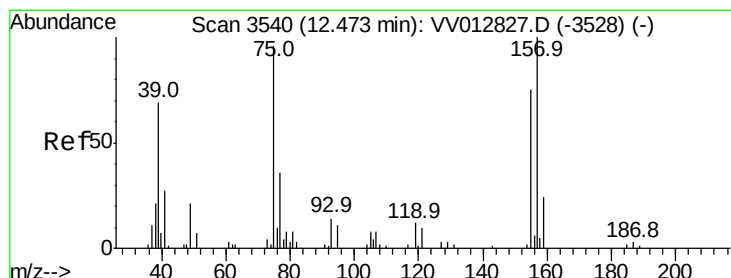
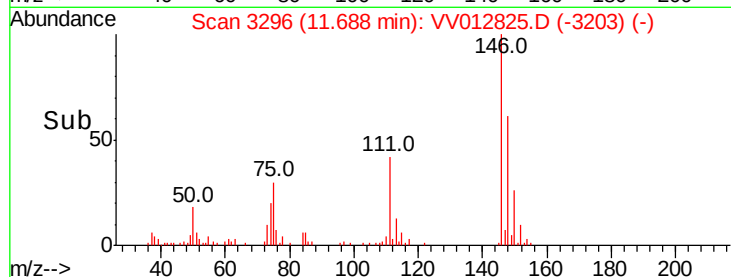
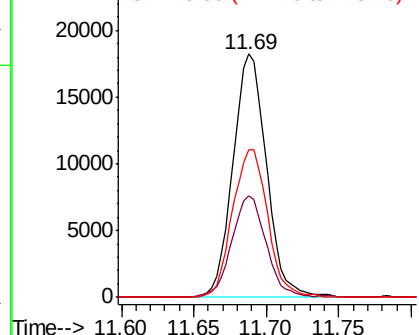
#65
 1,2-Dichlorobenzene
 Concen: 0.541 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 29333
 Ion Ratio Lower Upper
 146 100
 111 41.8 31.4 47.2
 148 60.8 50.6 75.8

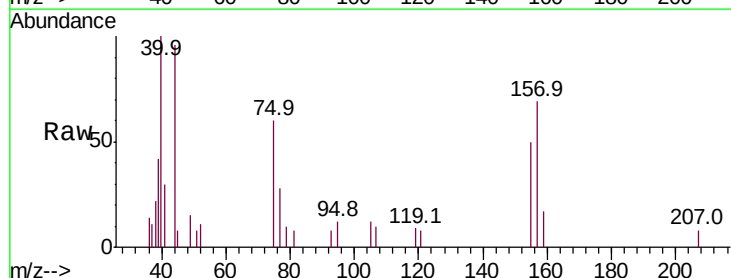


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

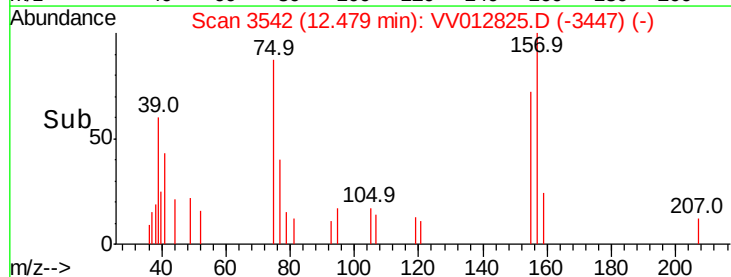
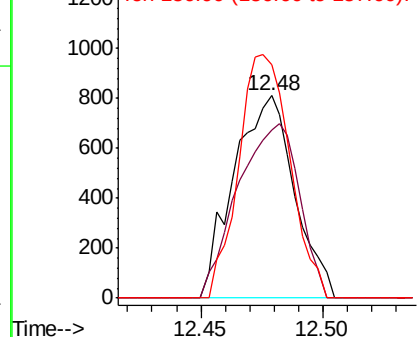


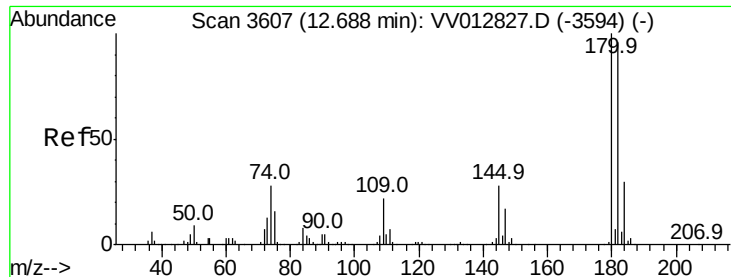
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.505 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion: 75 Resp: 1397
 Ion Ratio Lower Upper
 75 100
 155 83.0 63.0 94.4
 157 115.6 83.7 125.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

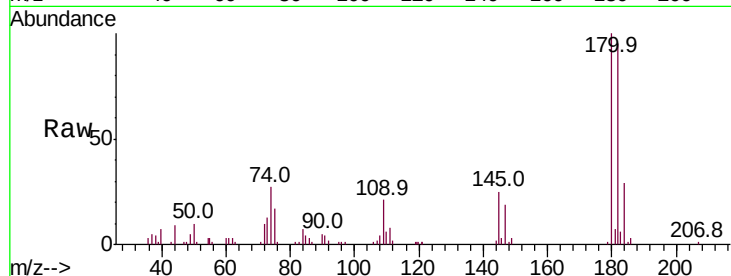




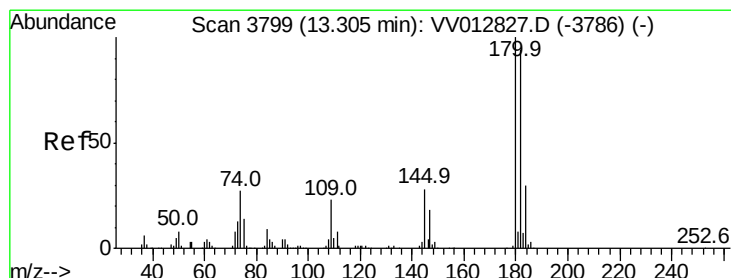
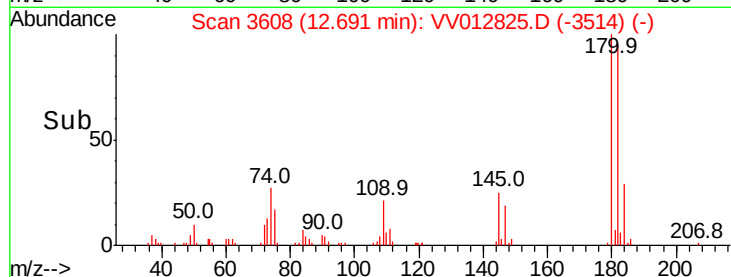
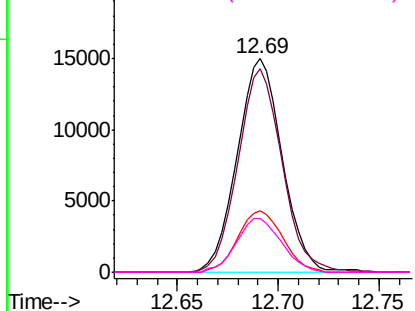
#67
 1,3,5-Trichlorobenzene
 Concen: 0.539 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	23337
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.7	115.1
184	28.9	24.4	36.6
145	25.4	22.3	33.5

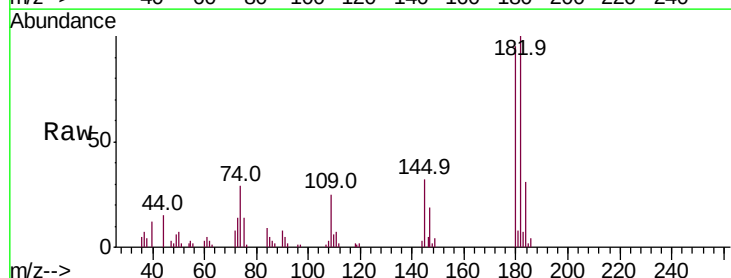


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

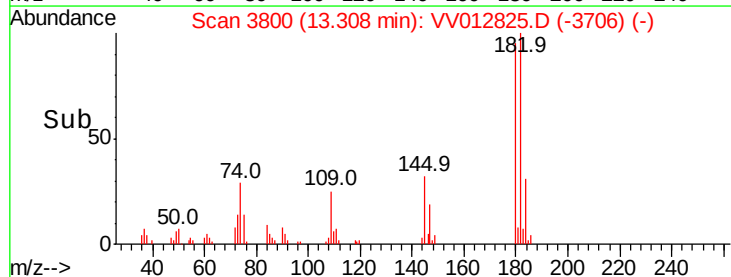
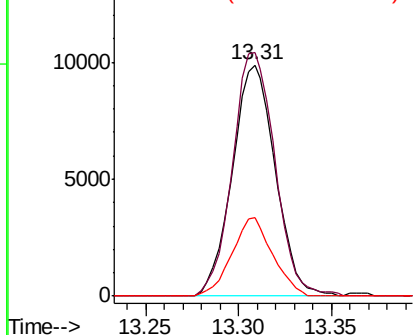


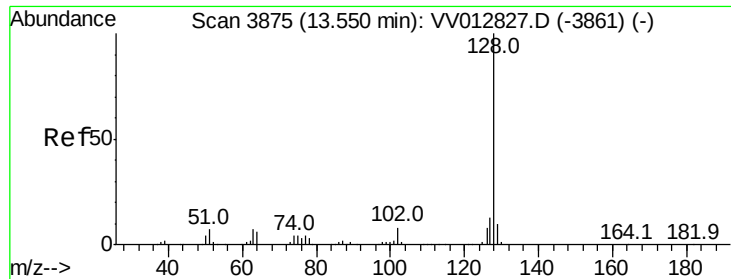
#68
 1,2,4-trichlorobenzene
 Concen: 0.465 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012825.D
 Acq: 16 Sep 2019 09:05

Tgt Ion:	180	Resp:	15909
Ion	Ratio	Lower	Upper
180	100		
182	104.3	76.2	114.4
145	31.9	22.2	33.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.380 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

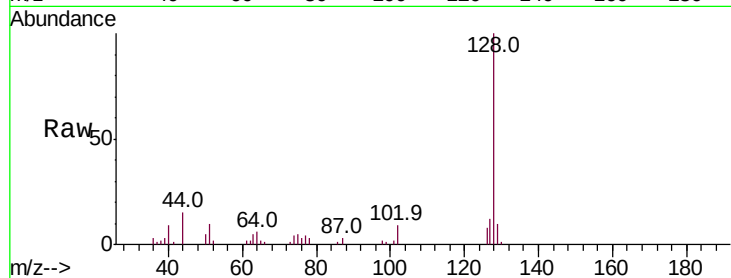
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 19390

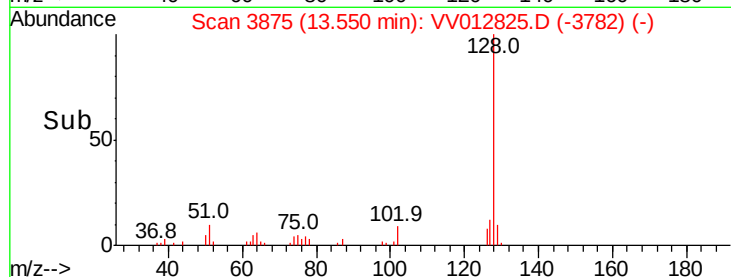
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.3	12.5
127	12.5	10.5	15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

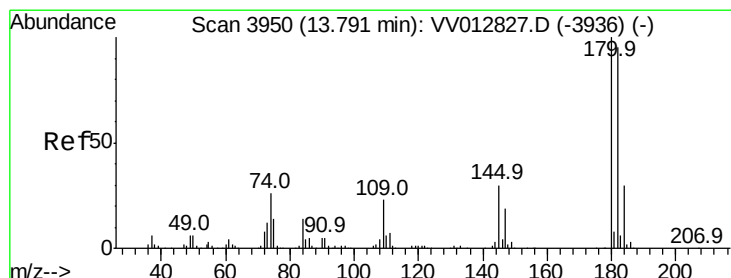
Ion 127.00 (126.70 to 127.70): V



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: 0.454 ug/L

RT: 13.79 min Scan# 3950

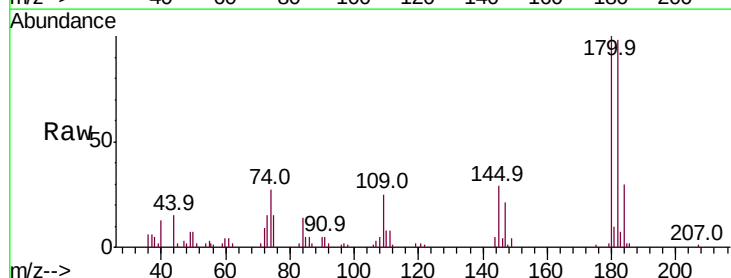
Delta R.T. -0.00 min

Lab File: VV012825.D

Acq: 16 Sep 2019 09:05

Tgt Ion:180 Resp: 14680

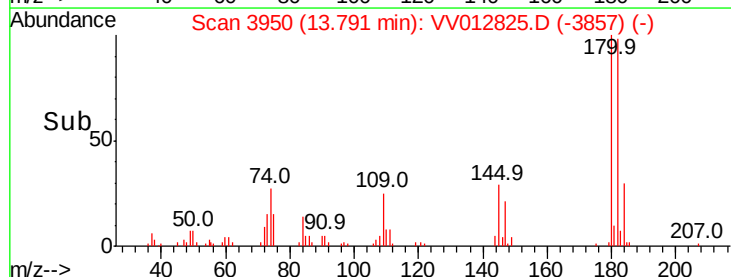
Ion	Ratio	Lower	Upper
180	100		
182	99.0	76.2	114.4
145	31.5	24.9	37.3



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



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