

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015127.D
 Acq On : 25 Mar 2020 04:34
 Operator : SY/MD
 Sample : VSTD01062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 06:48:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	588438	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	536575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	229830	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45393	8.40	ug/L	0.00
7) Chloroethane-d5	1.58	69	45202	9.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	89319	9.74	ug/L	0.00
21) 2-Butanone-d5	3.95	46	40181	10.86	ug/L	0.02
24) Chloroform-d	4.38	84	82784	9.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	55719	10.15	ug/L	0.00
32) Benzene-d6	5.08	84	156091	9.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	53162	9.64	ug/L	0.00
41) Toluene-d8	7.34	98	142790	9.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	27921	9.64	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	50851	17.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	76057	9.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	51364	9.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	30746	7.262	ug/L 100
3) Chloromethane	1.25	50	55170	9.191	ug/L 96
5) Vinyl chloride	1.32	62	47591	8.538	ug/L 99
6) Bromomethane	1.53	94	34790	9.869	ug/L 93
8) Chloroethane	1.60	64	41196	9.434	ug/L 94
9) Trichlorofluoromethane	1.77	101	55112	8.048	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	26593	7.746	ug/L 92
12) 1,1-Dichloroethene	2.13	96	35877	9.327	ug/L 95
13) Acetone	2.22	43	12376	4.314	ug/L 84
14) Carbon disulfide	2.31	76	98291	9.970	ug/L 99
15) Methyl Acetate	2.46	43	45221	8.926	ug/L 95
16) Methylene chloride	2.52	84	45638	9.801	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	35334	9.262	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	141308	9.475	ug/L 98
19) 1,1-Dichloroethane	3.21	63	72205	9.271	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	43288	9.545	ug/L # 98
22) 2-Butanone	4.04	43	36836	9.316	ug/L # 83
23) Bromochloromethane	4.28	128	23246	10.090	ug/L 97
25) Chloroform	4.41	83	74226	9.486	ug/L 99
27) 1,2-Dichloroethane	5.16	62	57512	9.135	ug/L 95
29) Cyclohexane	4.70	56	40726	7.191	ug/L 96
30) 1,1,1-Trichloroethane	4.63	97	57864	9.159	ug/L 100
31) Carbon tetrachloride	4.86	117	43700	8.361	ug/L 93
33) Benzene	5.12	78	149026	9.035	ug/L 100
34) Trichloroethene	5.94	95	35132	8.967	ug/L 95
35) Methylcyclohexane	6.15	83	38837	7.083	ug/L 95
37) 1,2-Dichloropropane	6.20	63	41877	9.382	ug/L 98
38) Bromodichloromethane	6.53	83	58508	9.462	ug/L 98
39) cis-1,3-Dichloropropene	7.05	75	63103	8.709	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	132823	17.795	ug/L 99

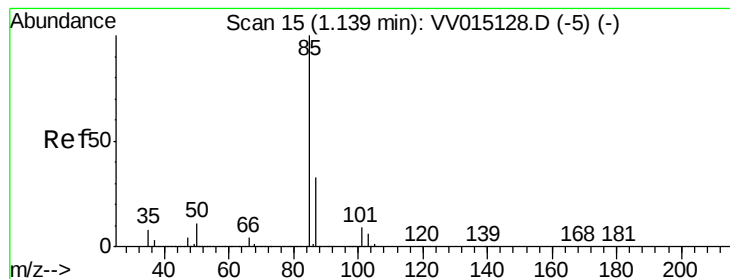
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
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Quant Time: Mar 25 06:48:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	156691	9.099	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	64170	9.419	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	42414	9.742	ug/L	96
46) Tetrachloroethene	8.00	164	22847	8.669	ug/L	91
48) 2-Hexanone	8.17	43	93425	16.308	ug/L	94
49) Dibromochloromethane	8.27	129	48272	9.730	ug/L	95
50) 1,2-Dibromoethane	8.37	107	45004	9.434	ug/L	97
51) Chlorobenzene	8.90	112	101417	9.159	ug/L	99
52) Ethylbenzene	9.03	91	154460	8.390	ug/L	100
53) m,p-Xylene	9.16	106	61380	8.770	ug/L	100
54) o-xylene	9.57	106	63434	8.699	ug/L	96
55) Styrene	9.58	104	111917	8.858	ug/L	97
56) Isopropylbenzene	9.95	105	144472	8.180	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	70488	9.478	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	56884	9.445	ug/L	99
61) Bromoform	9.76	173	32495	9.813	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	68237	8.990	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	69750	9.098	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	76253	9.550	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	19106	10.125	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	41786	8.214	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	41109	8.426	ug/L	98
69) Naphthalene	13.53	128	188193	15.347	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	45614	8.997	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 7.262 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

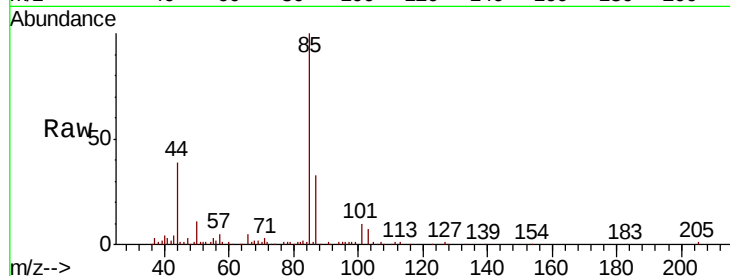
ClientSampleId :

Tot Ion: 85 Resp: 30746

Ion Ratio Lower Upper

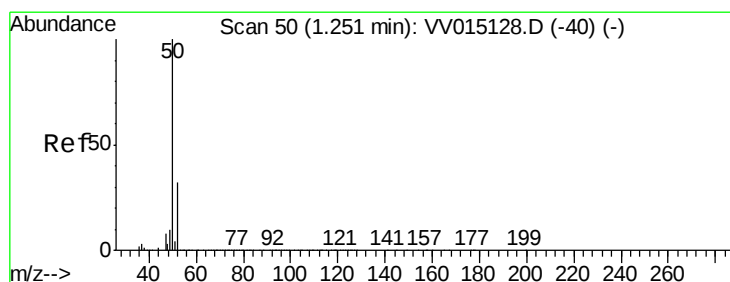
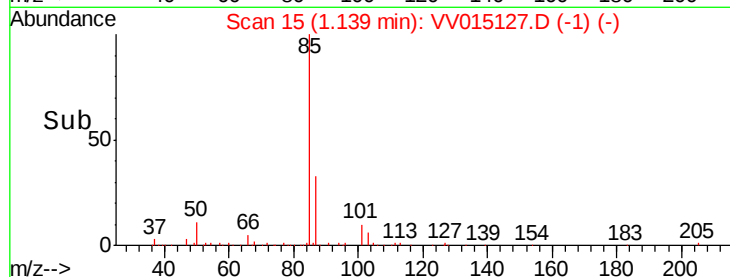
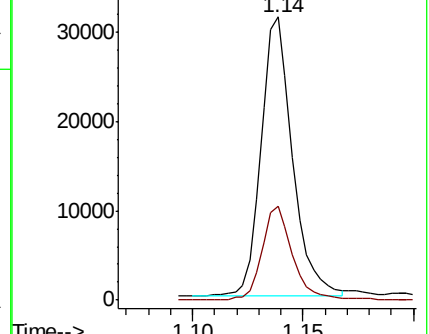
85 100

87 32.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 9.191 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015127.D

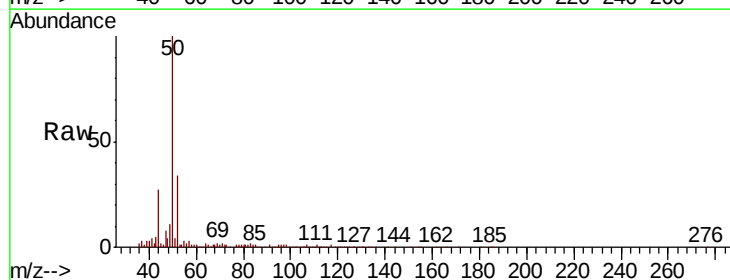
Acq: 25 Mar 2020 04:34

Tgt Ion: 50 Resp: 55170

Ion Ratio Lower Upper

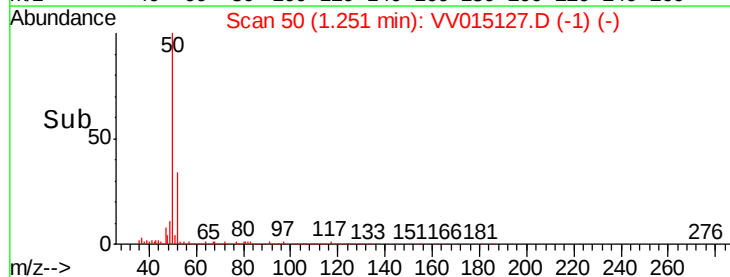
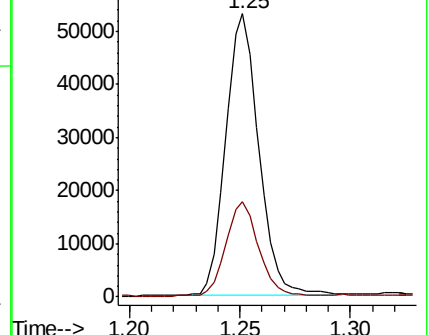
50 100

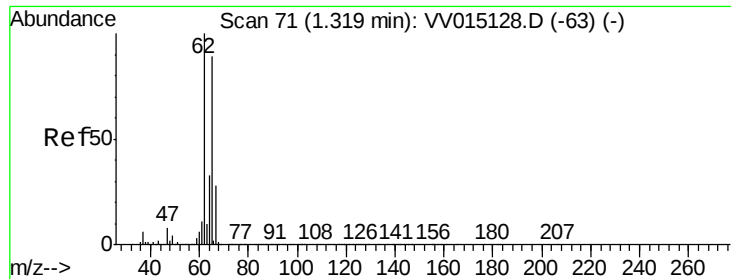
52 33.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 8.538 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

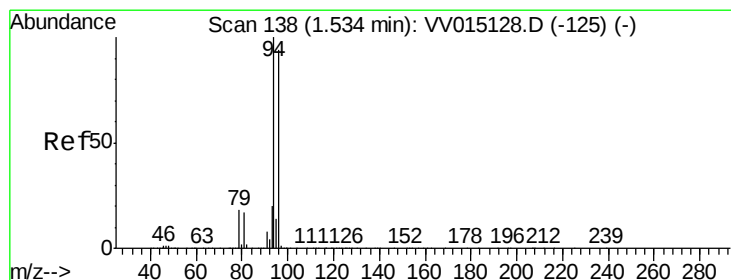
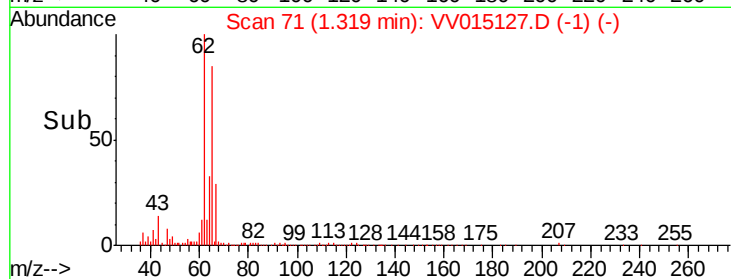
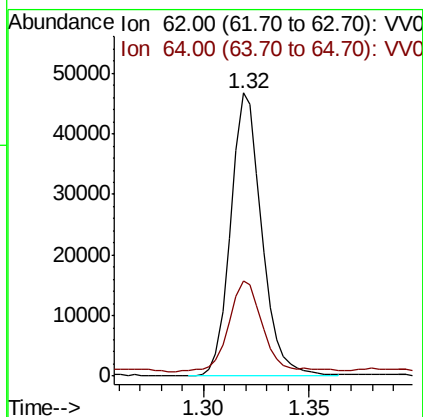
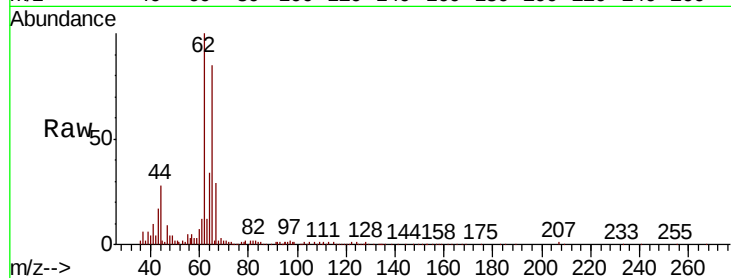
ClientSampled :

Tot Ion: 62 Resp: 47591

Ion Ratio Lower Upper

62 100

64 33.6 23.2 43.2



#6

Bromomethane

Concen: 9.869 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015127.D

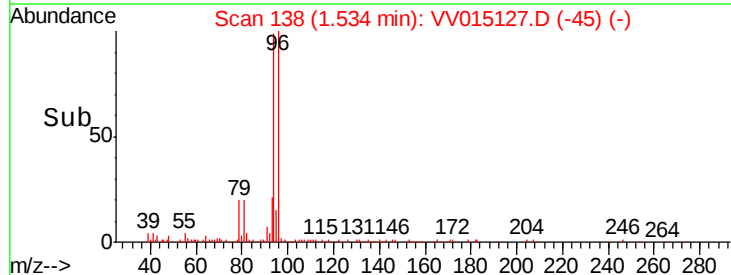
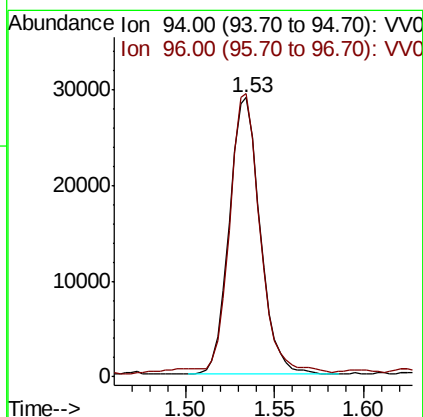
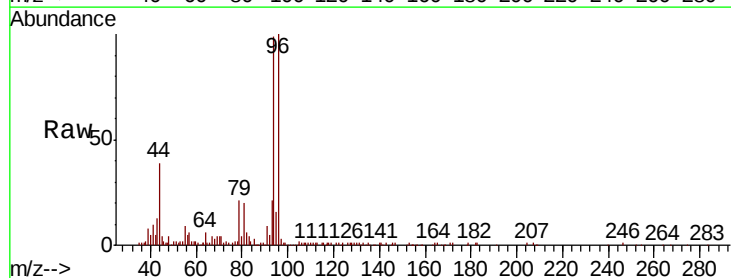
Acq: 25 Mar 2020 04:34

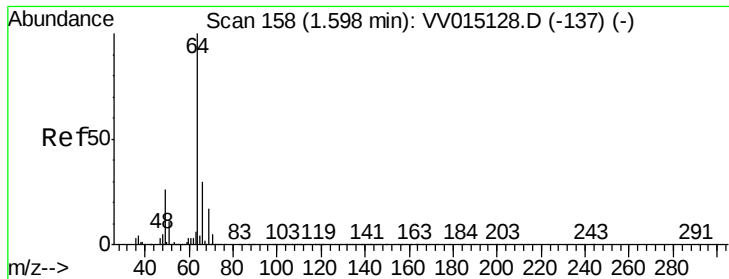
Tgt Ion: 94 Resp: 34790

Ion Ratio Lower Upper

94 100

96 101.5 66.1 122.8





#8

Chloroethane

Concen: 9.434 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

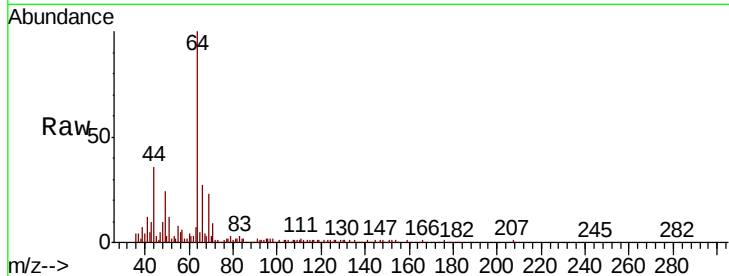
ClientSampleId :

Tot Ion: 64 Resp: 41196

Ion Ratio Lower Upper

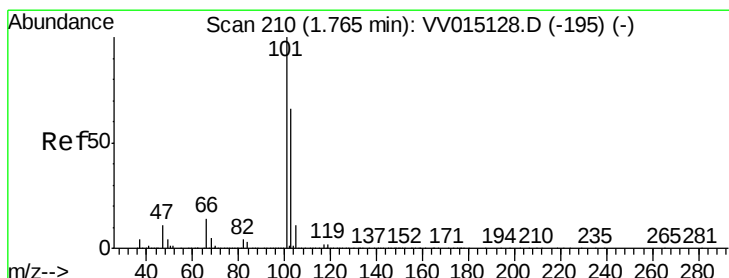
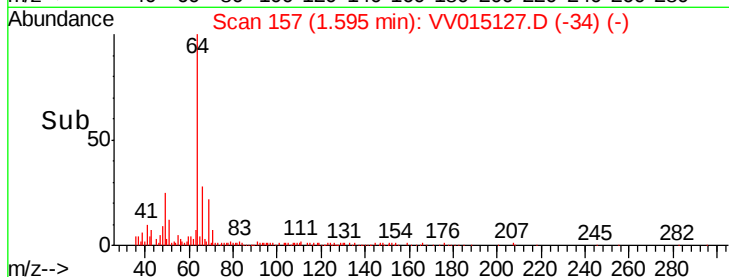
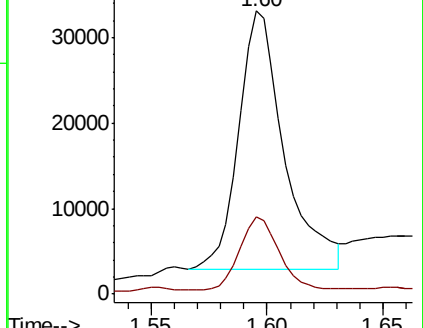
64 100

66 27.1 21.2 39.4



Abundance Ion 64.00 (63.70 to 64.70): VV015127.D (-137) (-)

Ion 66.00 (65.70 to 66.70): VV015127.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 8.048 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015127.D

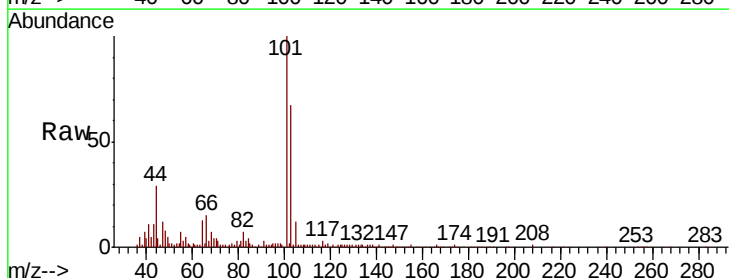
Acq: 25 Mar 2020 04:34

Tgt Ion: 101 Resp: 55112

Ion Ratio Lower Upper

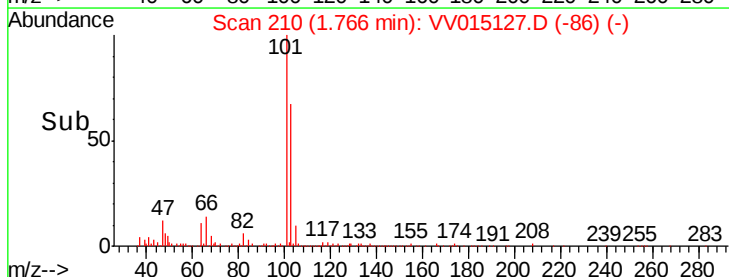
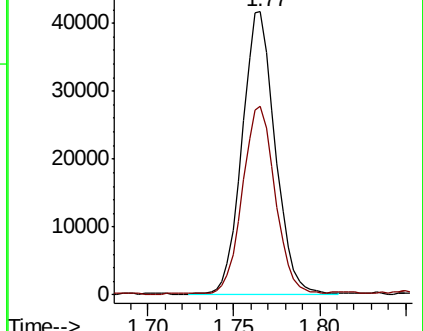
101 100

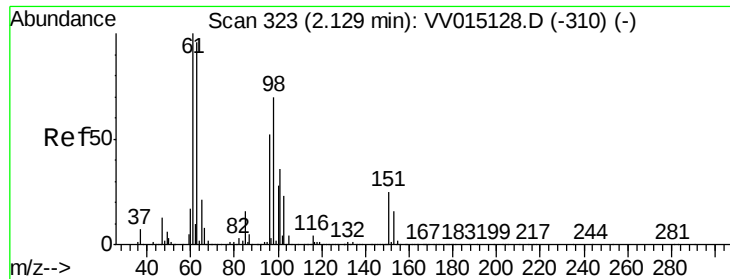
103 64.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV015127.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV015127.D (-195) (-)





#10

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

Concen: 7.746 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampleId :

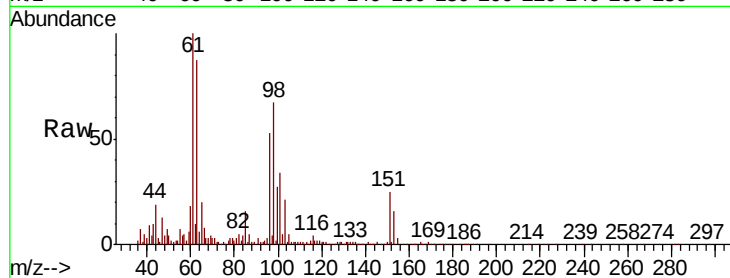
Tot Ion:101 Resp: 26593

Ion Ratio Lower Upper

101 100

85 53.2 36.0 54.0

151 75.5 56.7 85.1

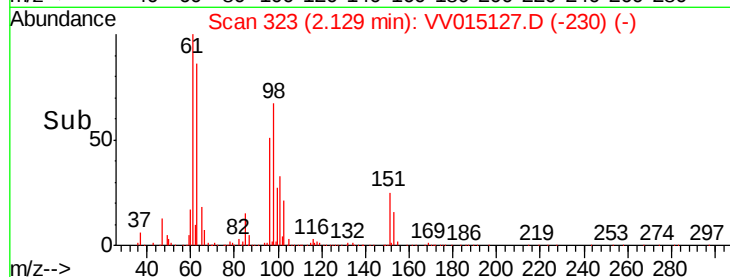


Abundance Ion 101.00 (100.70 to 101.70): VV015127.D (-230) (-)

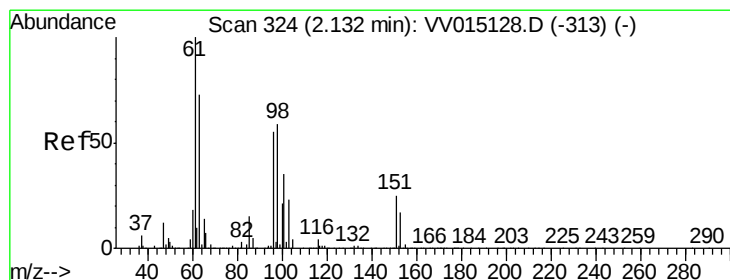
Ion 85.00 (84.70 to 85.70): VV015127.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015127.D (-230) (-)

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 9.327 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

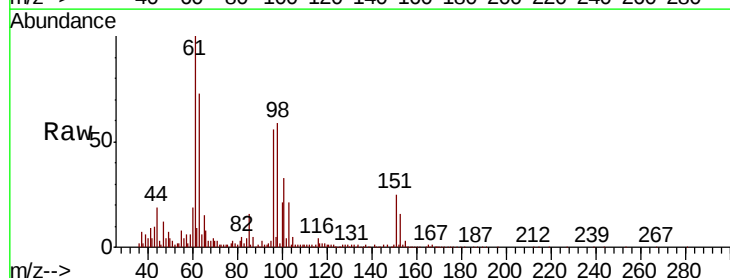
Tgt Ion: 96 Resp: 35877

Ion Ratio Lower Upper

96 100

61 178.3 128.2 238.0

63 130.5 97.9 181.9

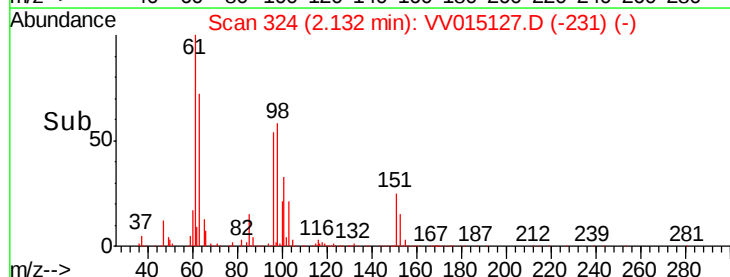


Abundance Ion 96.00 (95.70 to 96.70): VV015127.D (-231) (-)

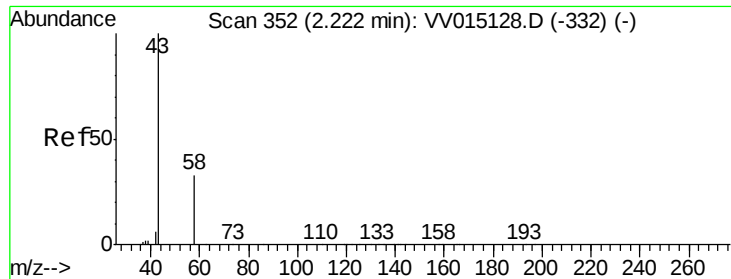
Ion 61.00 (60.70 to 61.70): VV015127.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015127.D (-231) (-)

Time-->



Time-->



#13

Acetone

Concen: 4.314 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

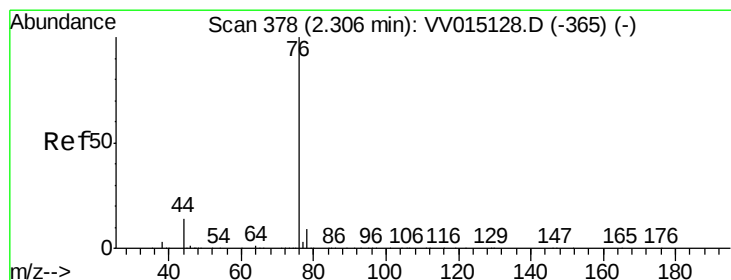
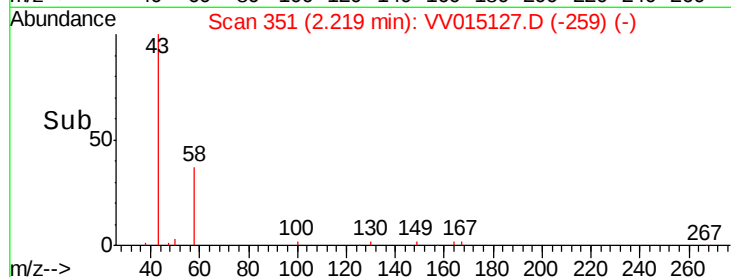
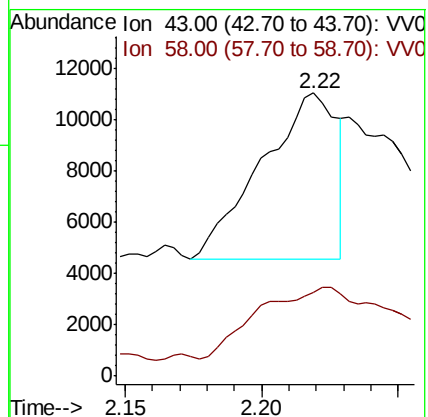
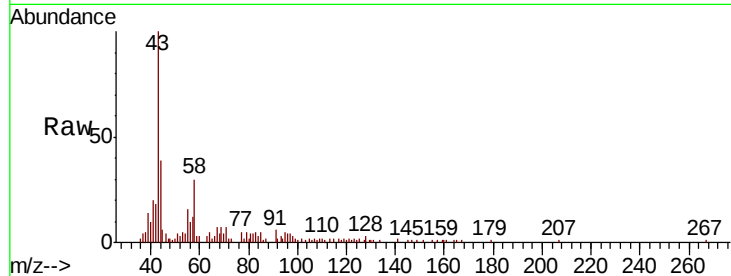
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 12376

Ion Ratio Lower Upper

43 100

58 22.3 0.0 61.6



#14

Carbon disulfide

Concen: 9.970 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015127.D

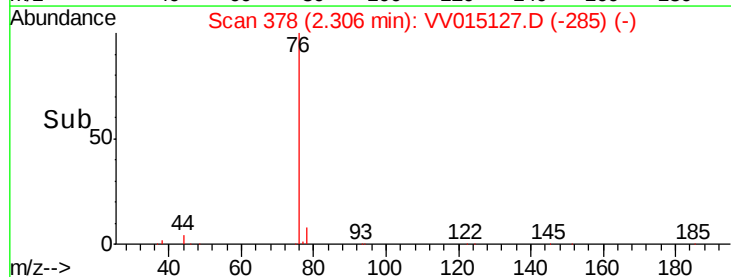
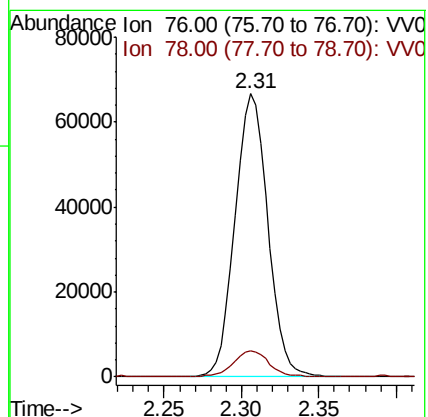
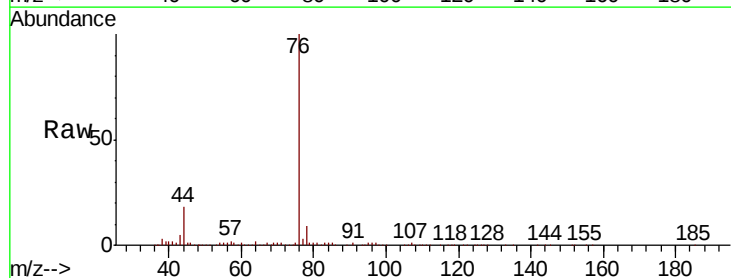
Acq: 25 Mar 2020 04:34

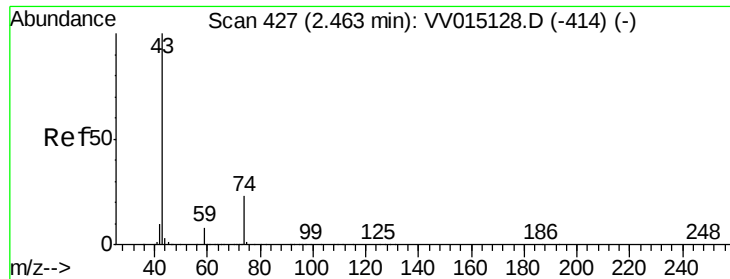
Tgt Ion: 76 Resp: 98291

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

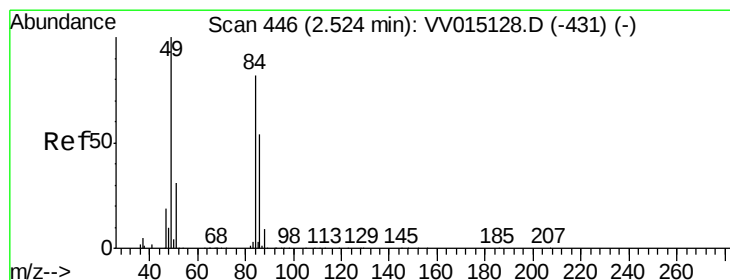
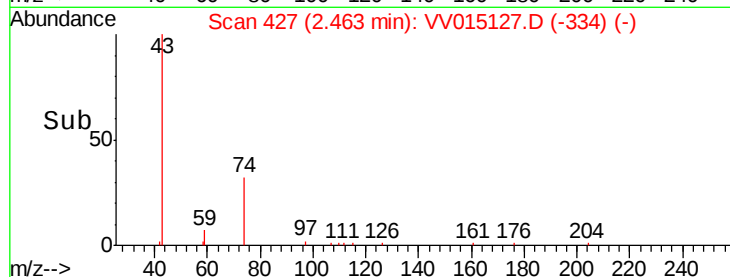
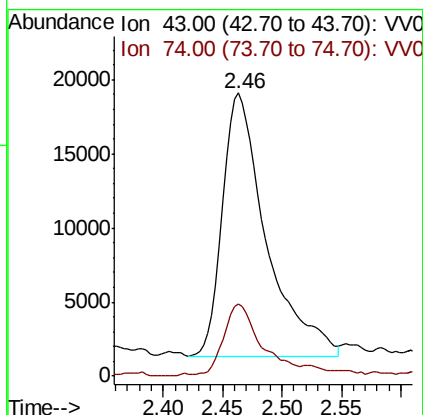
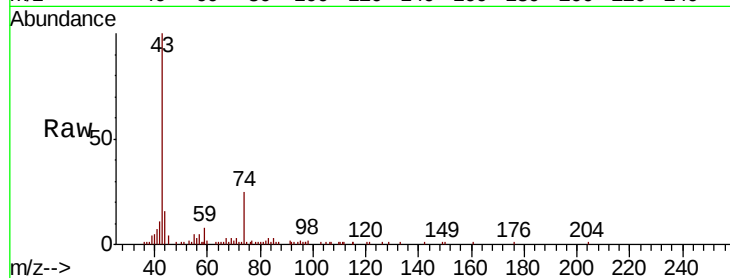




#15
Methvl Acetate
Concen: 8.926 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

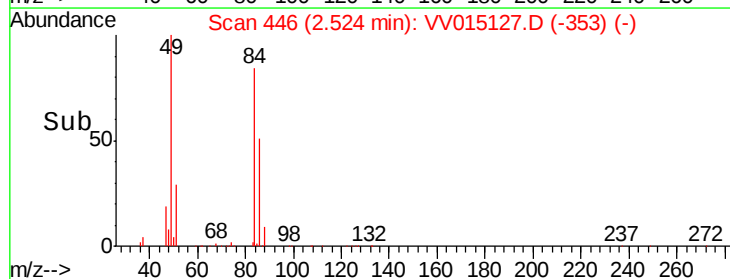
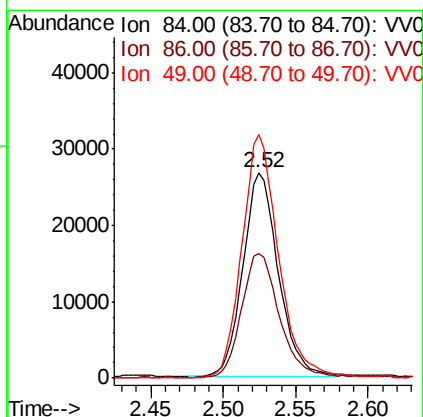
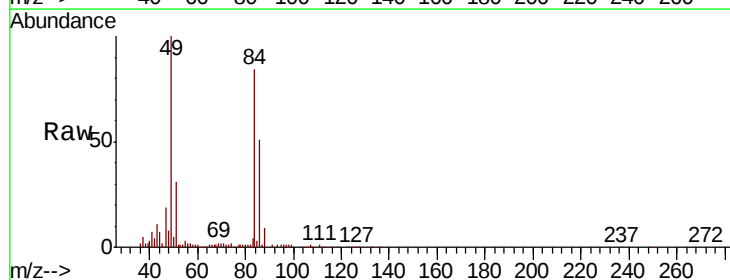
Instrument :
MSVOA_V
ClientSampleId :

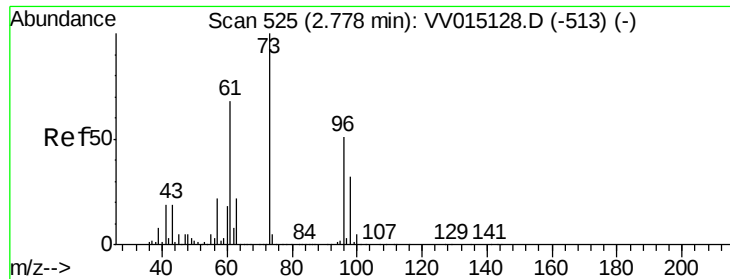
Tot Ion: 43 Resp: 45221
Ion Ratio Lower Upper
43 100
74 22.5 20.1 30.1



#16
Methylene chloride
Concen: 9.801 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Tgt Ion: 84 Resp: 45638
Ion Ratio Lower Upper
84 100
86 61.0 45.6 84.8
49 118.7 85.1 158.1

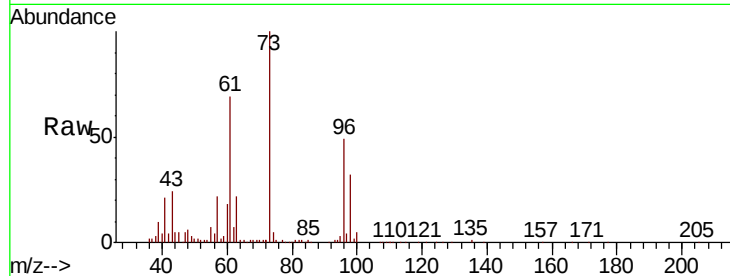




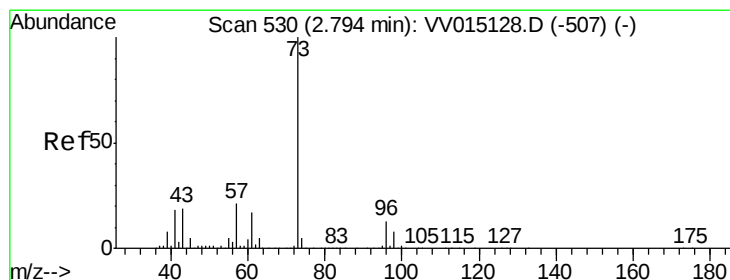
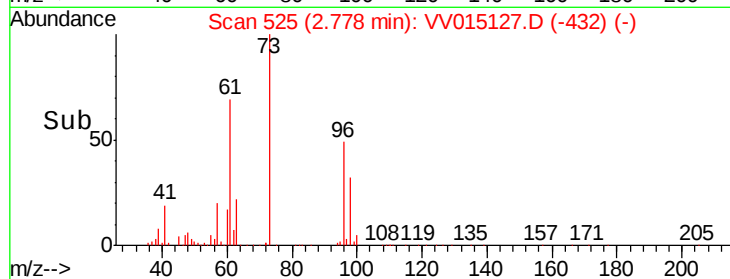
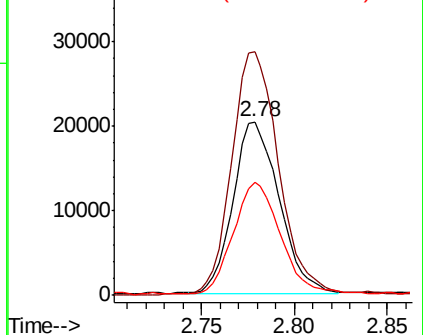
#17
trans-1,2-Dichloroethene
Concen: 9.262 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 35334
Ion Ratio Lower Upper
96 100
61 140.6 93.8 174.2
98 65.4 44.7 83.1

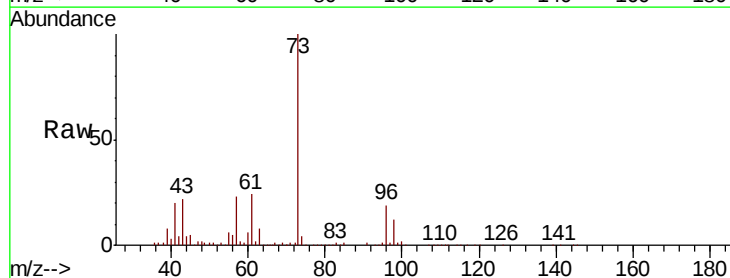


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

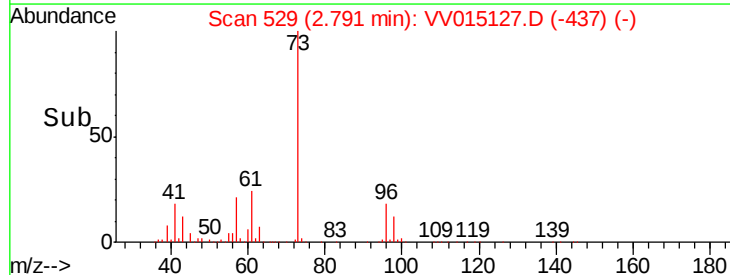
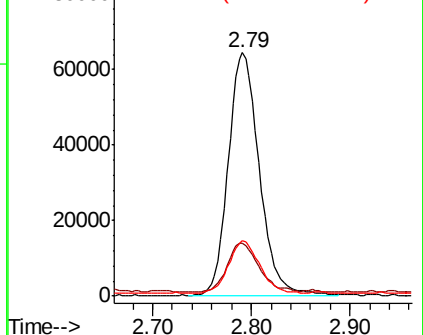


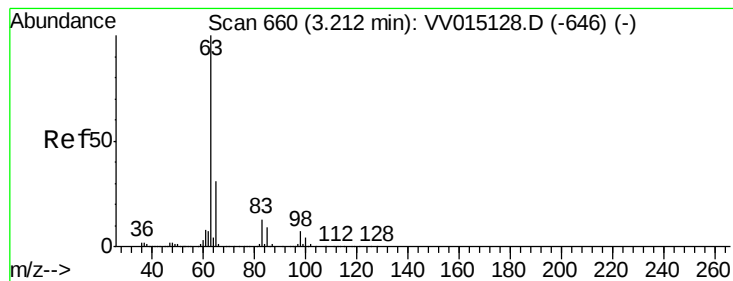
#18
Methyl tert-butyl Ether
Concen: 9.475 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Tgt Ion: 73 Resp: 141308
Ion Ratio Lower Upper
73 100
43 20.6 15.3 22.9
57 21.5 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 9.271 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampled :

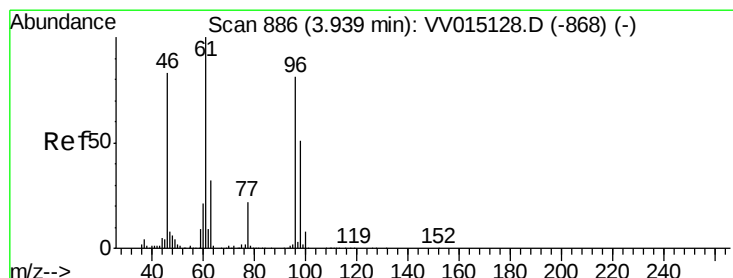
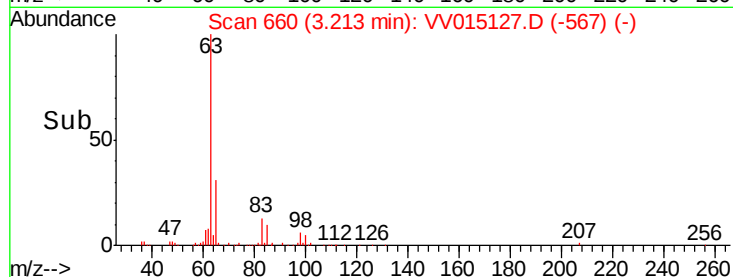
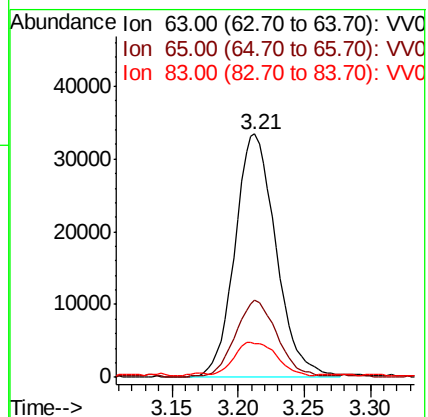
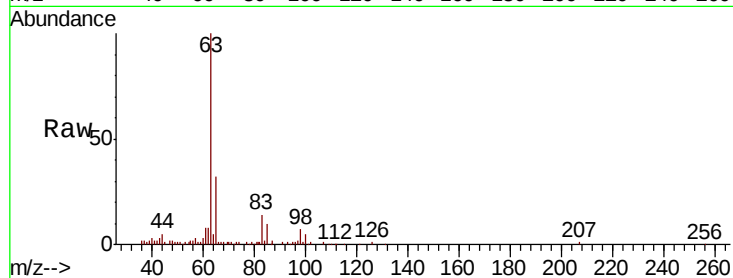
Tot Ion: 63 Resp: 72205

Ion Ratio Lower Upper

63 100

65 31.6 21.6 40.2

83 13.9 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 9.545 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

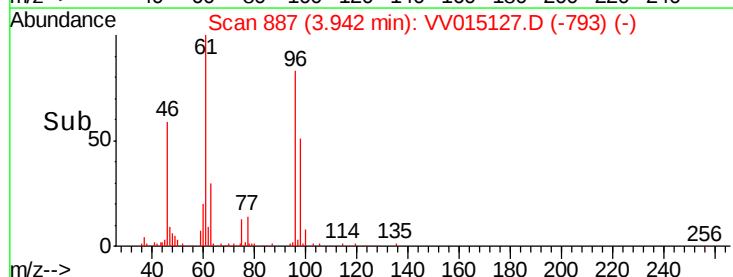
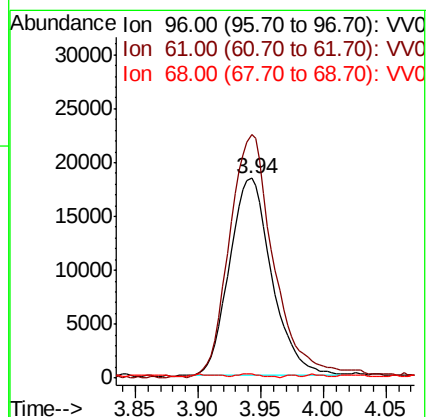
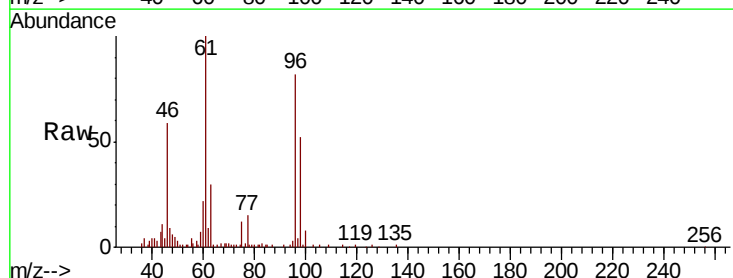
Tgt Ion: 96 Resp: 43288

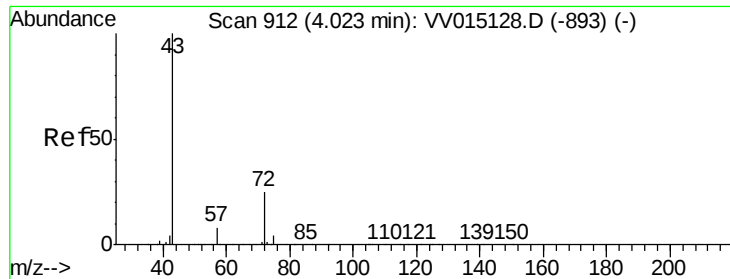
Ion Ratio Lower Upper

96 100

61 121.8 86.7 160.9

68 1.9 0.1 0.3#





#22

2-Butanone

Concen: 9.316 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.01 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

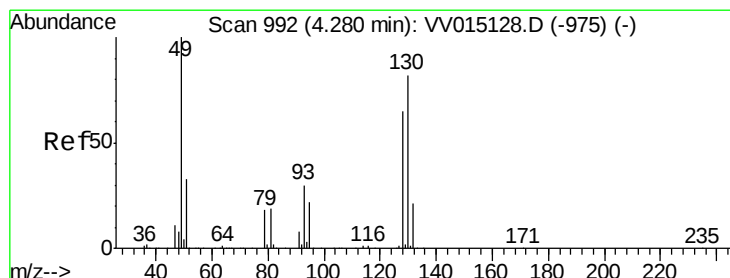
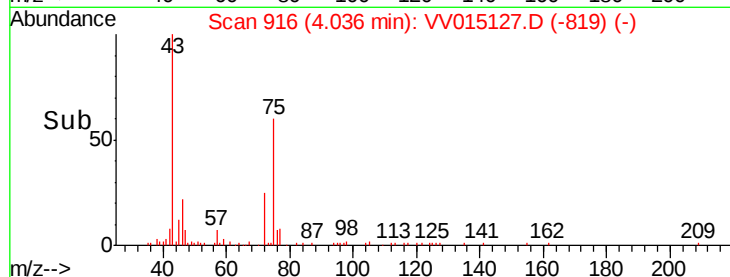
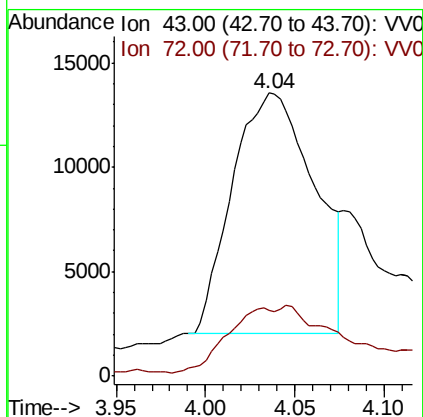
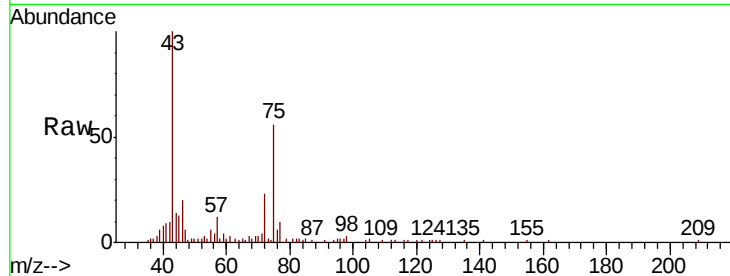
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 36836

Ion Ratio Lower Upper

43 100

72 15.7 0.1 0.5#



#23

Bromochloromethane

Concen: 10.090 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Tgt Ion:128 Resp: 23246

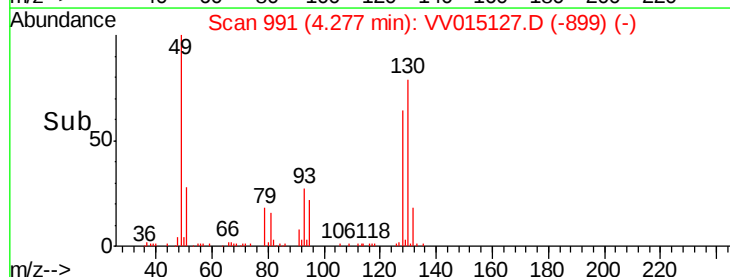
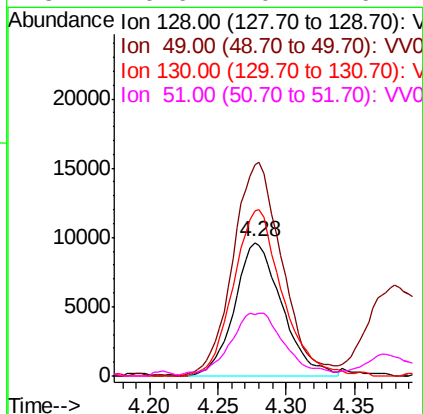
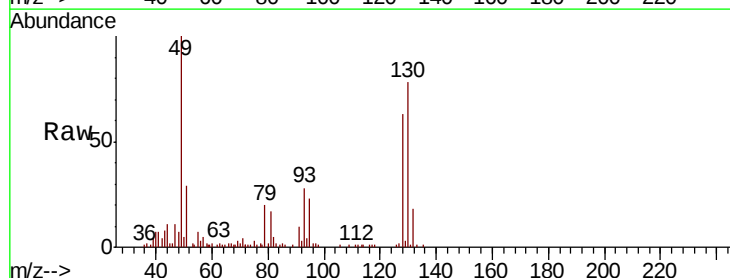
Ion Ratio Lower Upper

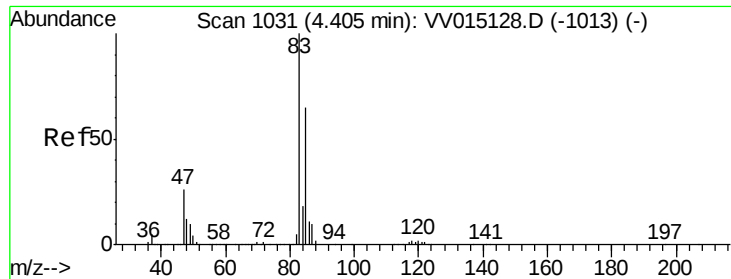
128 100

49 158.1 107.9 200.5

130 123.5 88.2 163.8

51 46.6 40.7 61.1

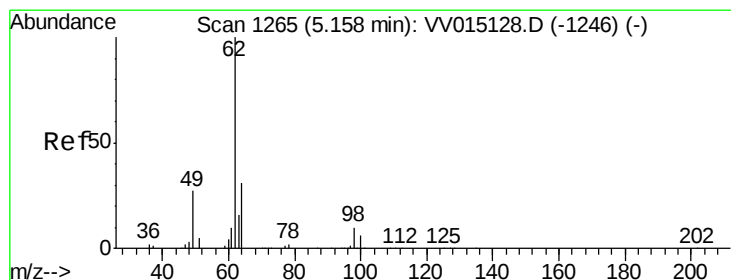
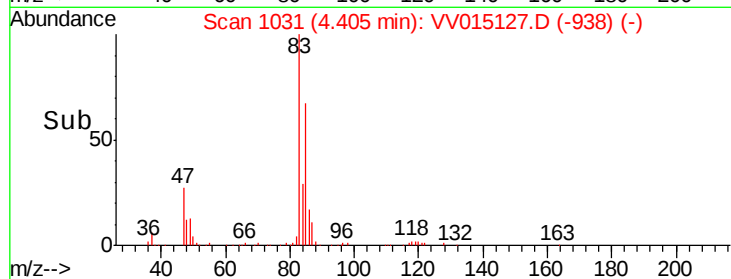
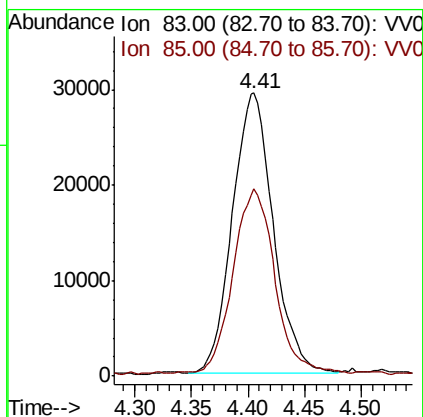
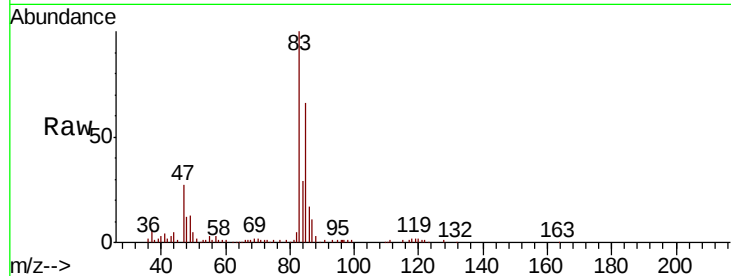




#25
Chloroform
Concen: 9.486 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

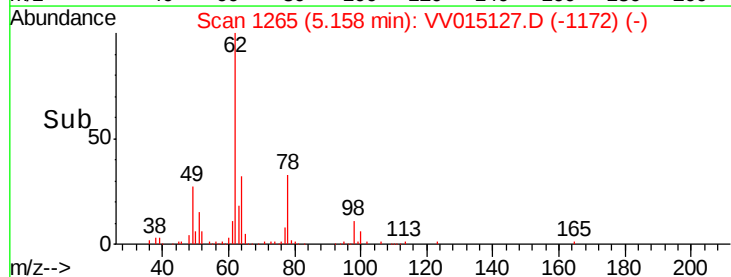
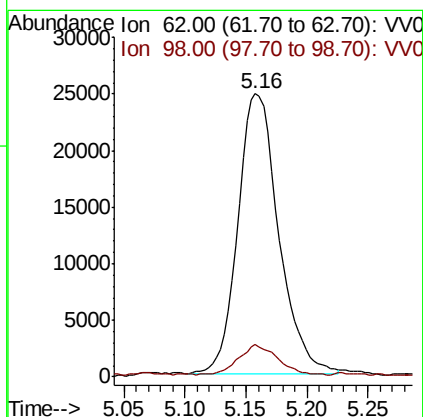
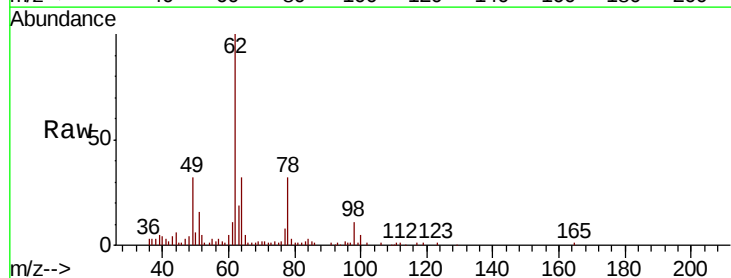
Instrument :
MSVOA_V
ClientSampleId :

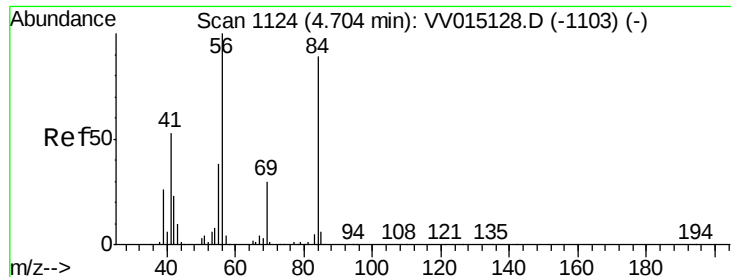
Tot Ion: 83 Resp: 74226
Ion Ratio Lower Upper
83 100
85 66.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 9.135 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Tgt Ion: 62 Resp: 57512
Ion Ratio Lower Upper
62 100
98 11.3 7.7 11.5

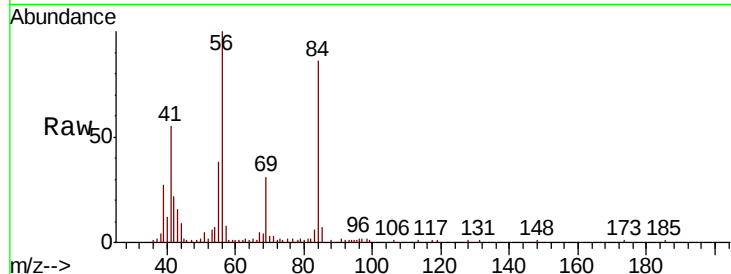




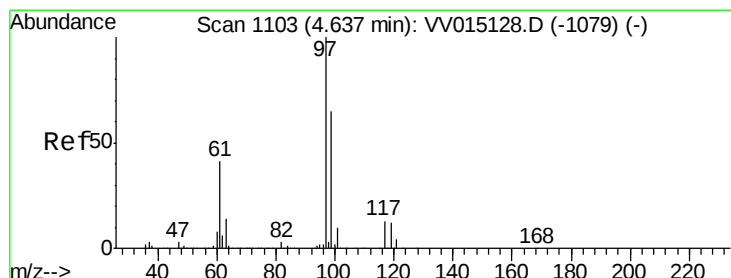
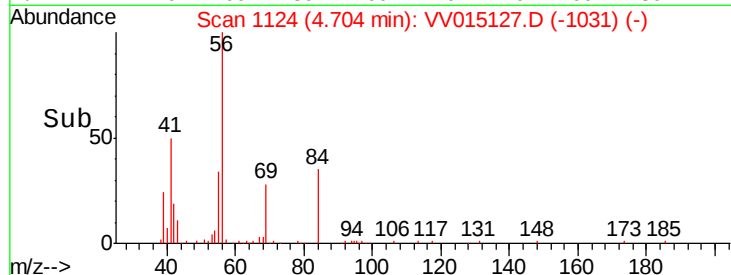
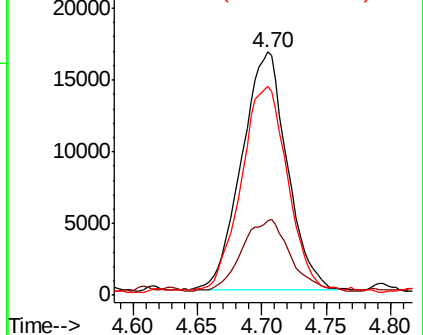
#29
Cyclohexane
Concen: 7.191 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 40726
Ion Ratio Lower Upper
56 100
69 31.2 24.9 37.3
84 85.5 72.0 108.0

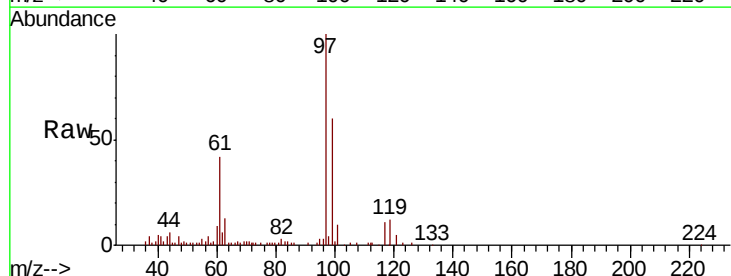


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

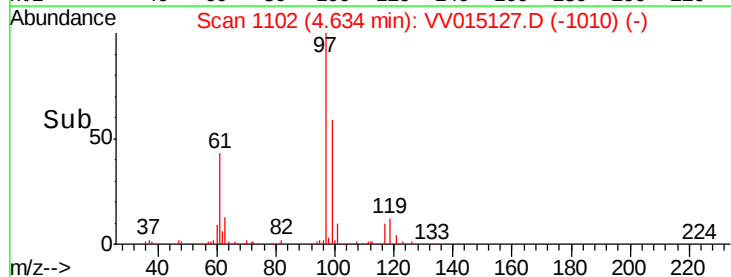
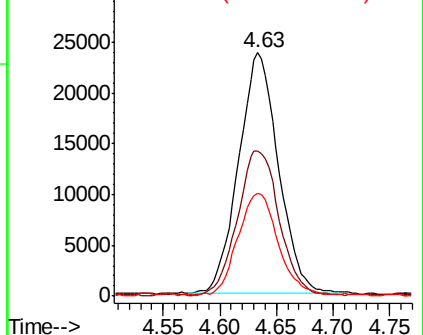


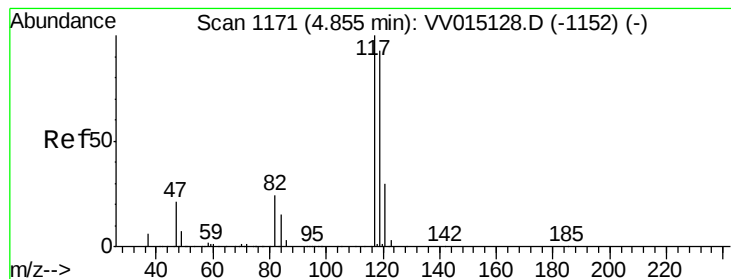
#30
1,1,1-Trichloroethane
Concen: 9.159 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Tgt Ion: 97 Resp: 57864
Ion Ratio Lower Upper
97 100
99 63.8 51.2 76.8
61 42.4 33.9 50.9



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





#31

Carbon tetrachloride

Concen: 8.361 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

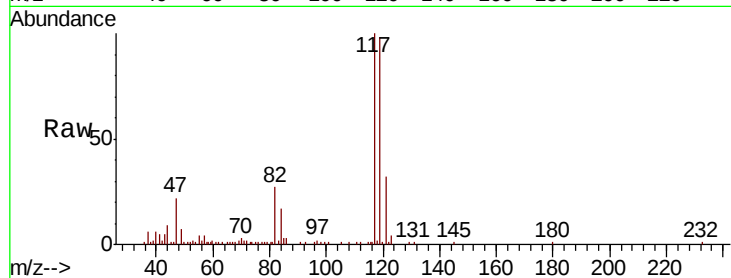
ClientSampleId :

Tot Ion:117 Resp: 43700

Ion Ratio Lower Upper

117 100

119 100.8 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

20000

15000

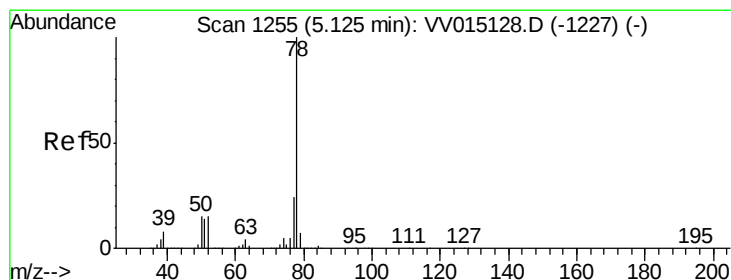
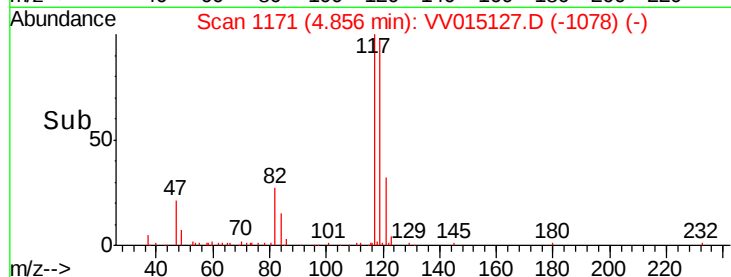
10000

5000

0

4.75 4.80 4.85 4.90

Time-->



#33

Benzene

Concen: 9.035 ug/L

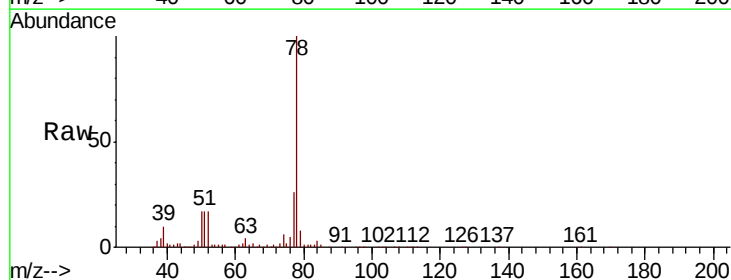
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Tgt Ion: 78 Resp: 149026



Abundance Ion 78.00 (77.70 to 78.70): VV0

60000

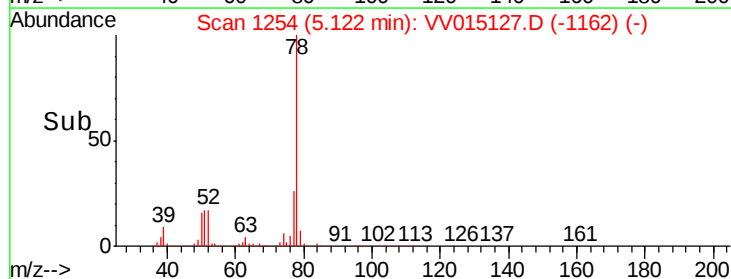
40000

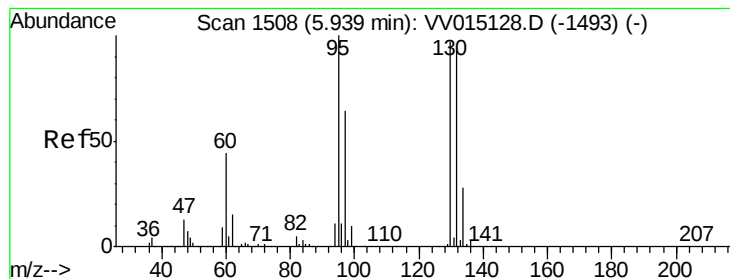
20000

0

5.10 5.20

Time-->





#34

Trichloroethene

Concen: 8.967 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 35132

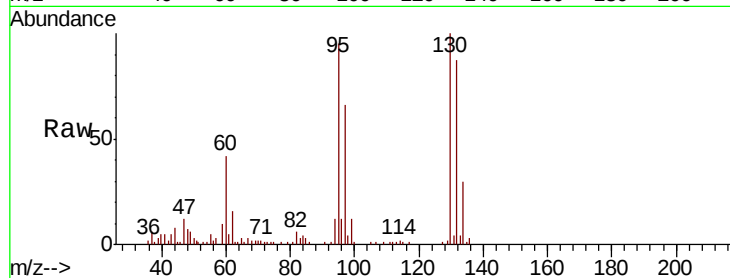
Ion Ratio Lower Upper

95 100

97 69.6 44.7 82.9

132 91.7 65.2 121.2

130 104.8 68.0 126.2

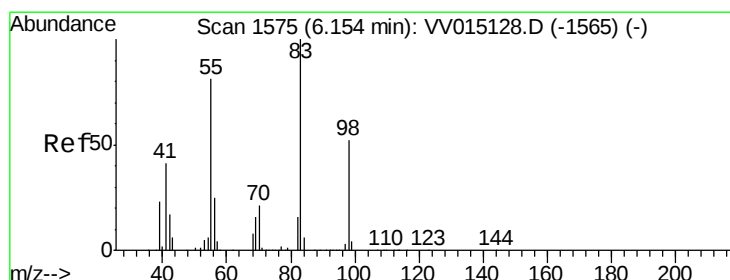
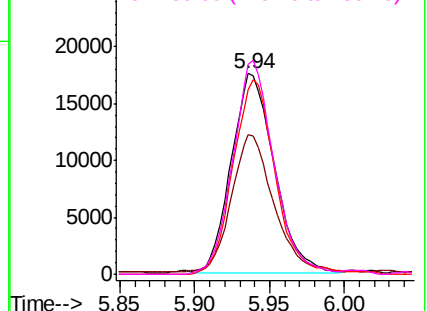
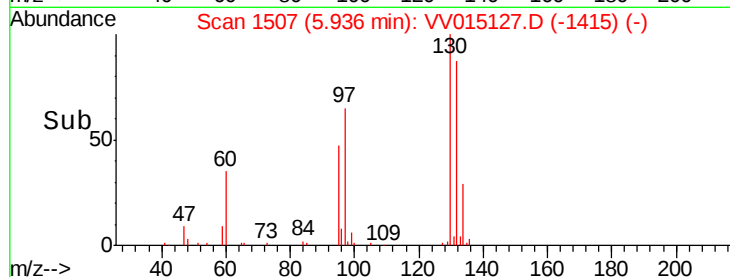


Abundance Ion 95.00 (94.70 to 95.70): VV015127.D (-1415) (-)

Ion 97.00 (96.70 to 97.70): VV015127.D (-1415) (-)

Ion 132.00 (131.70 to 132.70): VV015127.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV015127.D (-1415) (-)



#35

Methylcyclohexane

Concen: 7.083 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

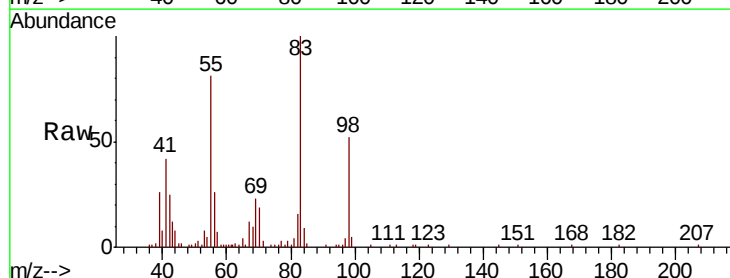
Tgt Ion: 83 Resp: 38837

Ion Ratio Lower Upper

83 100

55 78.0 59.4 89.0

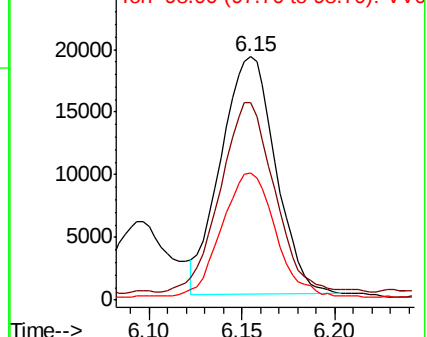
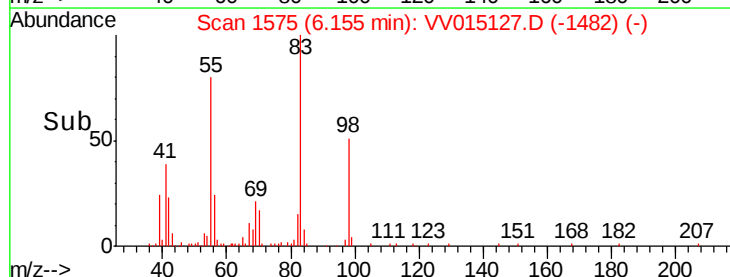
98 53.5 39.8 59.8

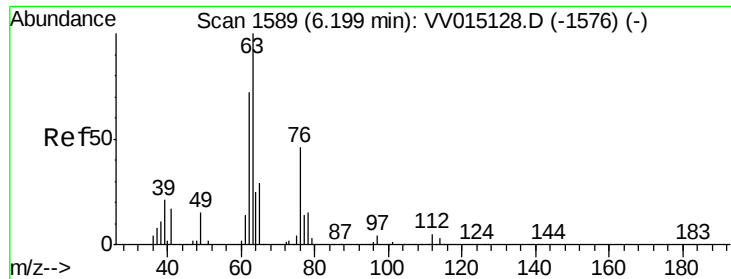


Abundance Ion 83.00 (82.70 to 83.70): VV015127.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV015127.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV015127.D (-1482) (-)

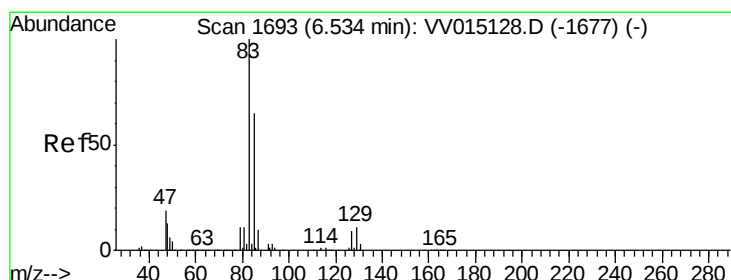
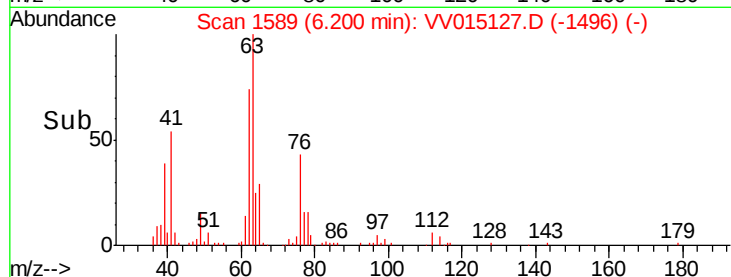
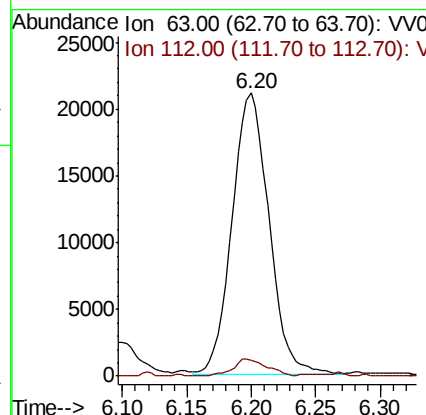
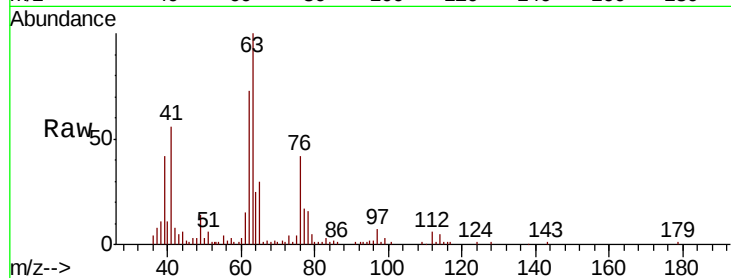




#37
 1,2-Dichloropropane
 Concen: 9.382 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

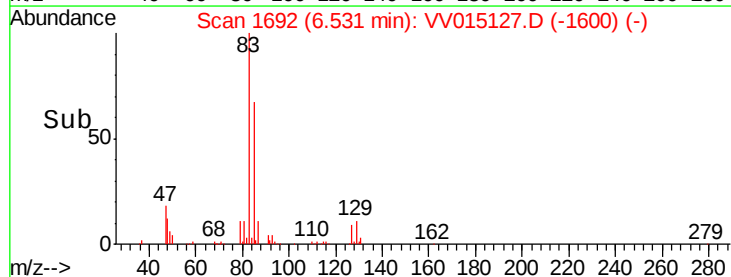
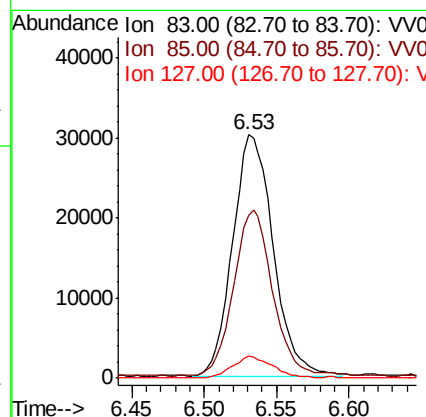
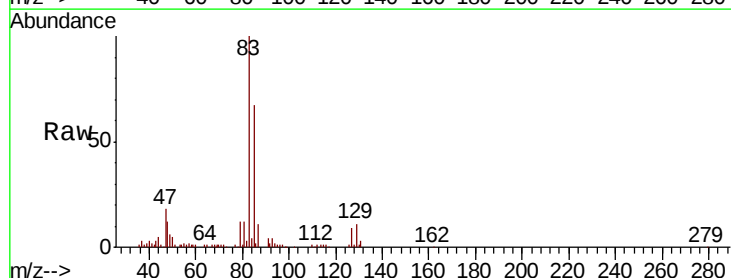
Instrument :
 MSVOA_V
 ClientSampleId :

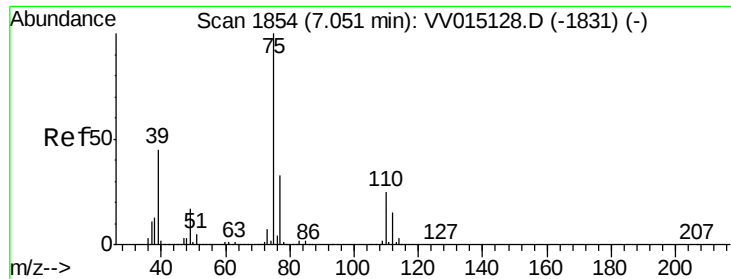
Tot Ion: 63 Resp: 41877
 Ion Ratio Lower Upper
 63 100
 112 5.7 4.0 6.0



#38
 Bromodichloromethane
 Concen: 9.462 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

Tgt Ion: 83 Resp: 58508
 Ion Ratio Lower Upper
 83 100
 85 67.0 45.5 84.5
 127 9.3 6.9 10.3

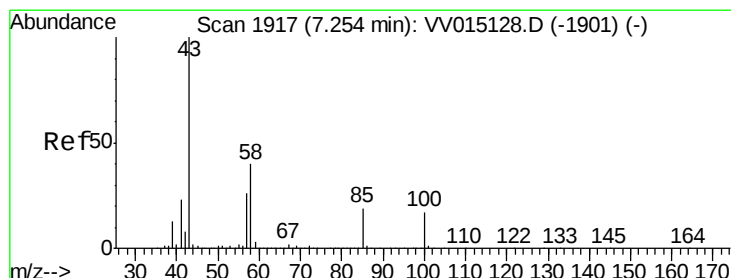
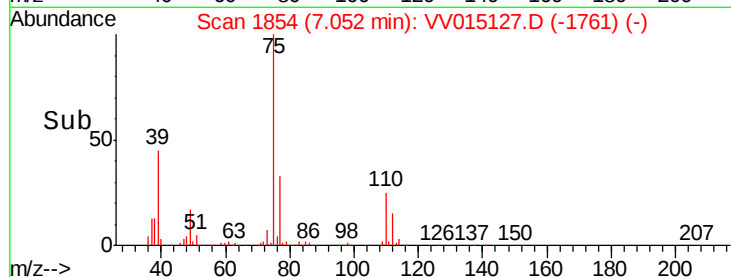
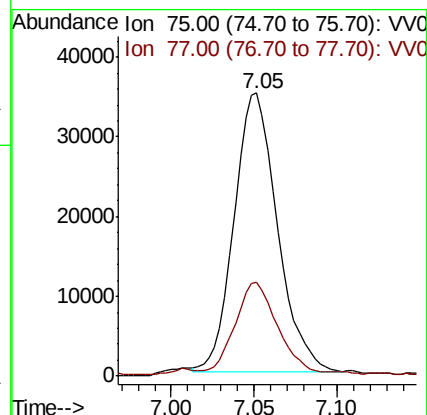
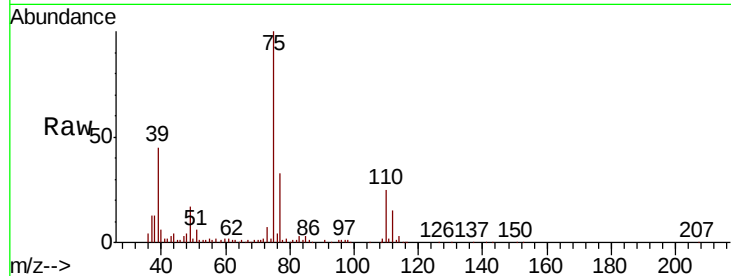




#39
 cis-1,3-Dichloropropene
 Concen: 8.709 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

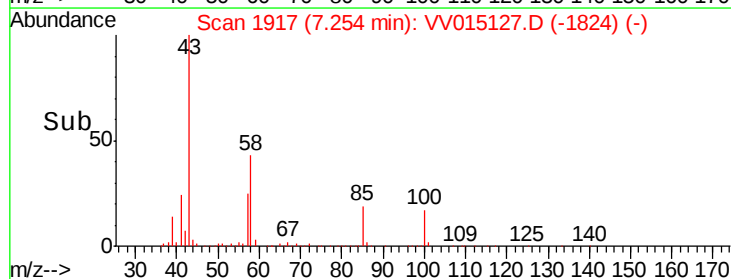
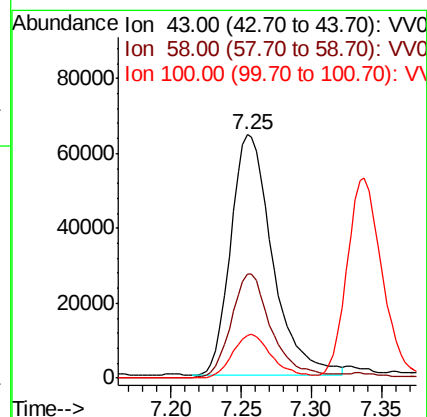
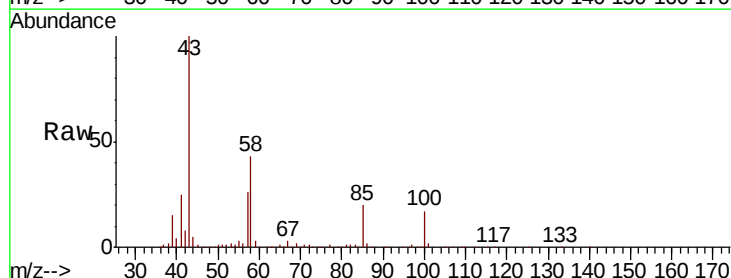
Instrument :
 MSVOA_V
 ClientSampleId :

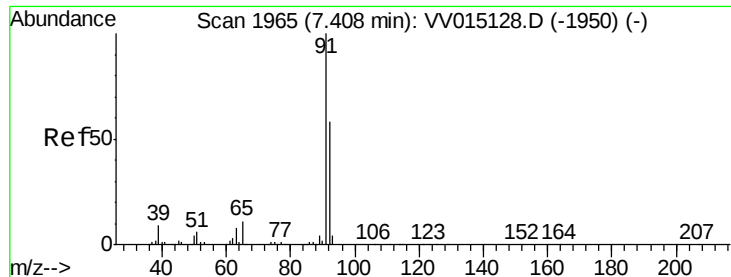
Tot Ion: 75 Resp: 63103
 Ion Ratio Lower Upper
 75 100
 77 33.1 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 17.795 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

Tgt Ion: 43 Resp: 132823
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.8 49.2
 100 17.5 13.6 20.4





#42

Toluene

Concen: 9.099 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

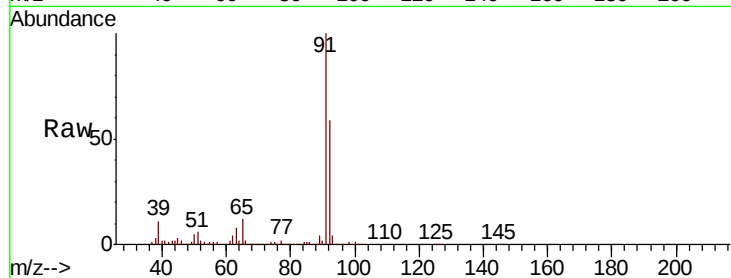
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 156691

Ion Ratio Lower Upper

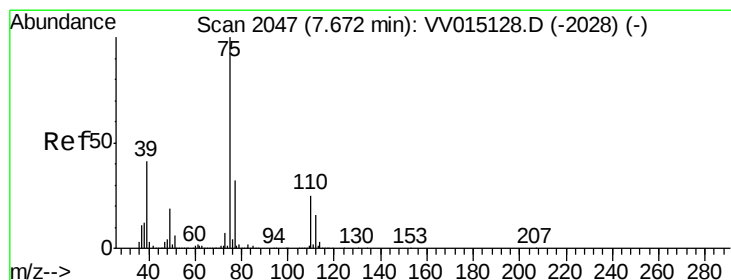
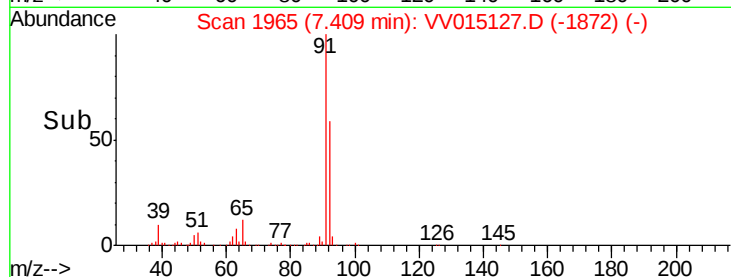
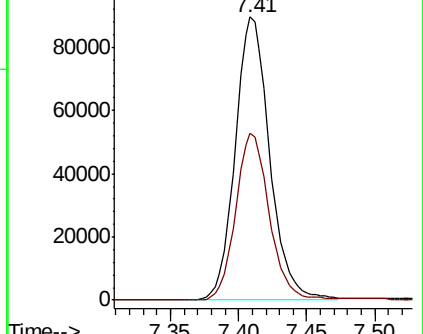
91 100

92 58.8 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV015127.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV015127.D (-1950) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.419 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015127.D

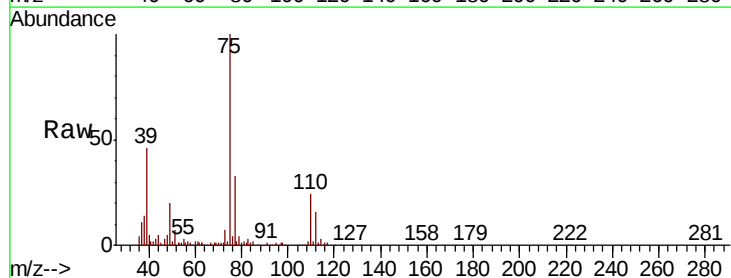
Acq: 25 Mar 2020 04:34

Tgt Ion: 75 Resp: 64170

Ion Ratio Lower Upper

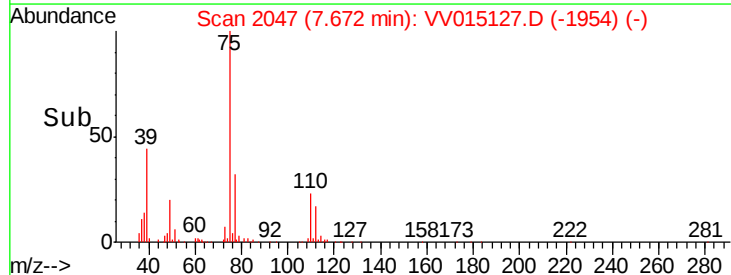
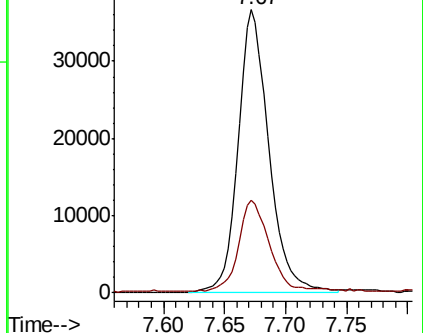
75 100

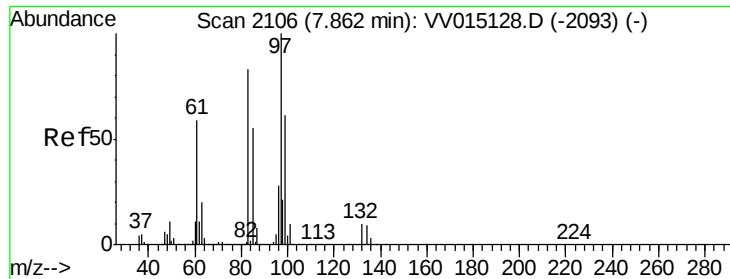
77 32.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV015127.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV015127.D (-1954) (-)

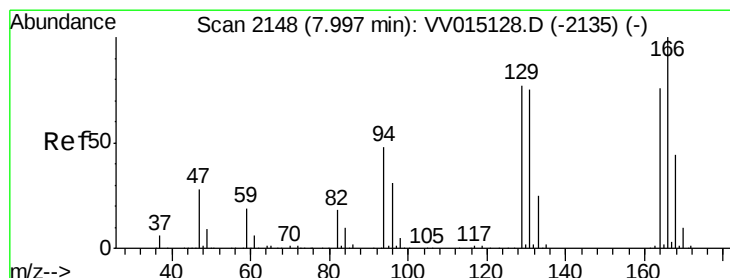
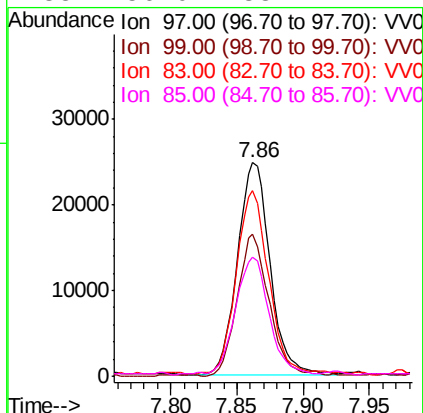
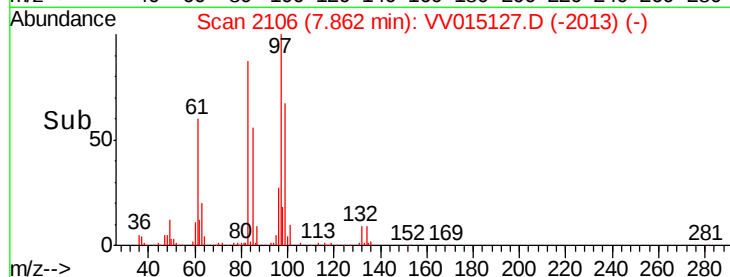
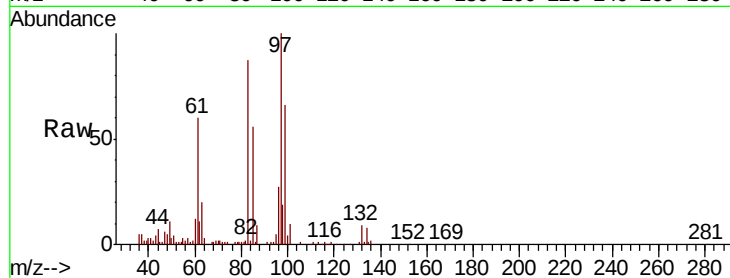




#45
1,1,2-Trichloroethane
Concen: 9.742 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

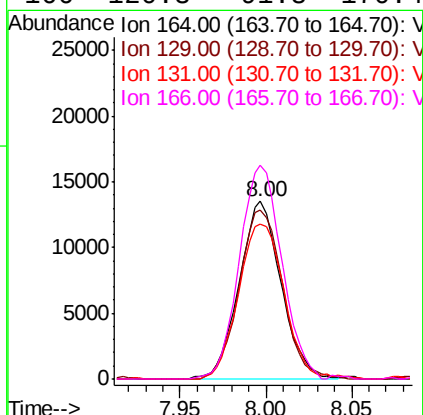
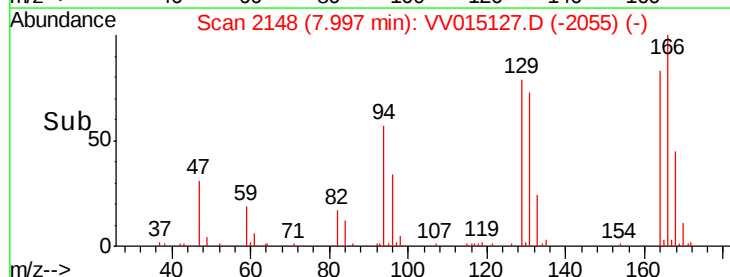
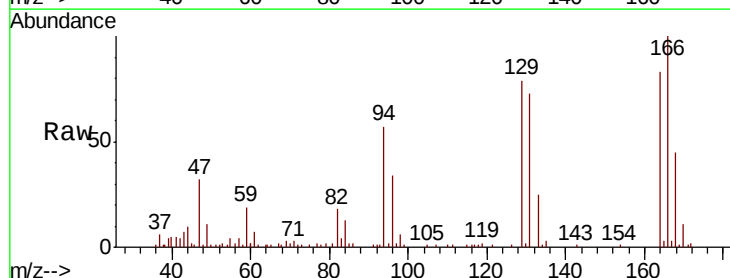
Instrument :
MSVOA_V
ClientSampleId :

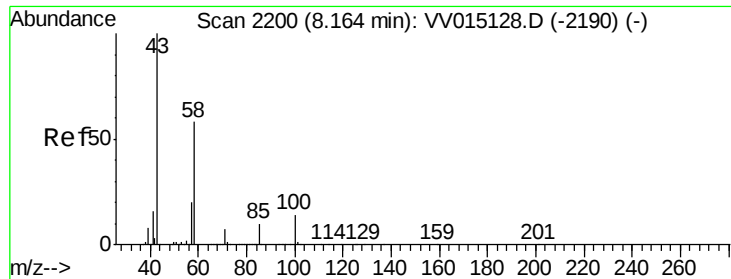
Tot Ion: 97 Resp: 42414
Ion Ratio Lower Upper
97 100
99 66.4 42.7 79.3
83 86.7 58.4 108.6
85 56.0 38.4 71.4



#46
Tetrachloroethene
Concen: 8.669 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Tgt Ion: 164 Resp: 22847
Ion Ratio Lower Upper
164 100
129 95.0 70.8 131.6
131 87.6 68.4 127.0
166 120.3 91.8 170.4

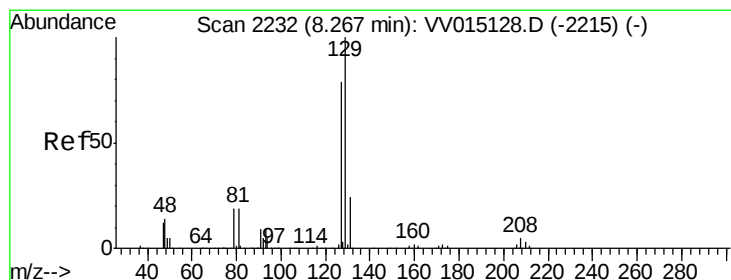
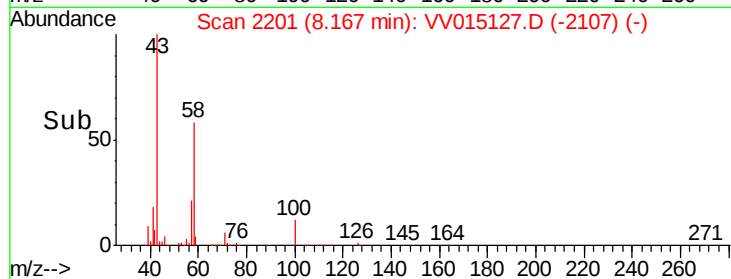
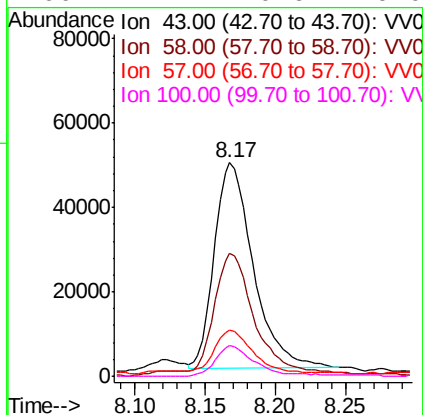
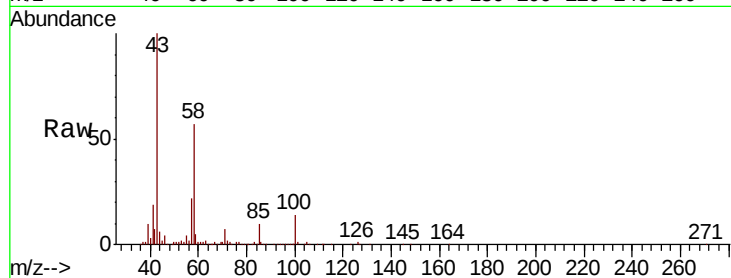




#48
2-Hexanone
Concen: 16.308 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

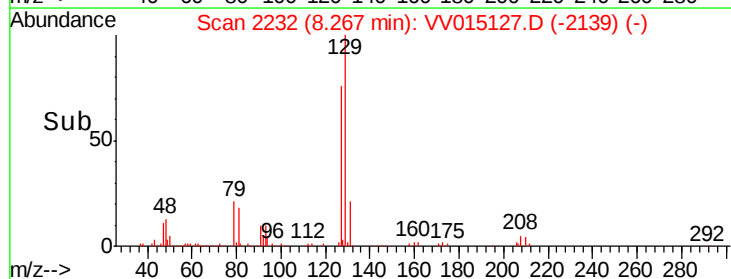
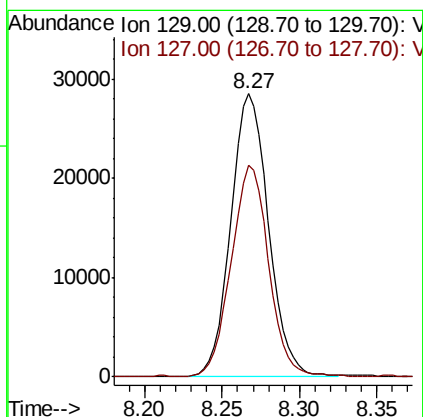
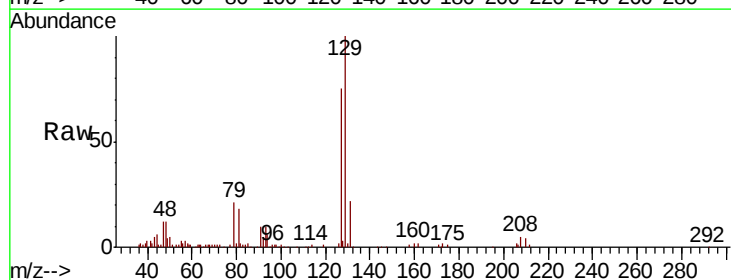
Instrument :
MSVOA_V
ClientSampleId :

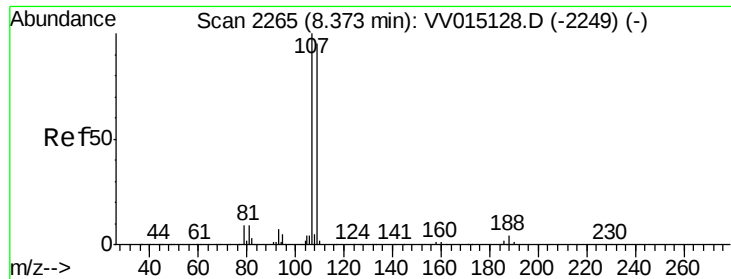
Tot Ion: 43 Resp: 93425
Ion Ratio Lower Upper
43 100
58 61.8 45.0 67.6
57 20.7 14.6 22.0
100 14.4 10.6 16.0



#49
Dibromochloromethane
Concen: 9.730 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015127.D
Acq: 25 Mar 2020 04:34

Tgt Ion: 129 Resp: 48272
Ion Ratio Lower Upper
129 100
127 74.6 55.4 102.8

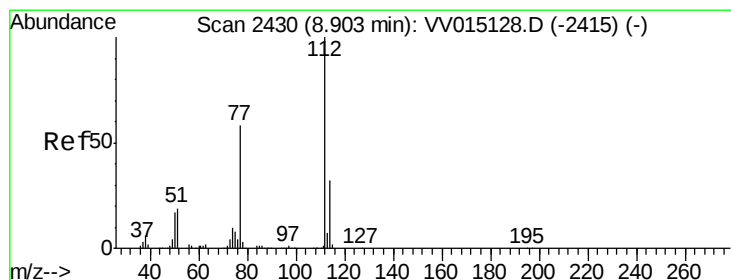
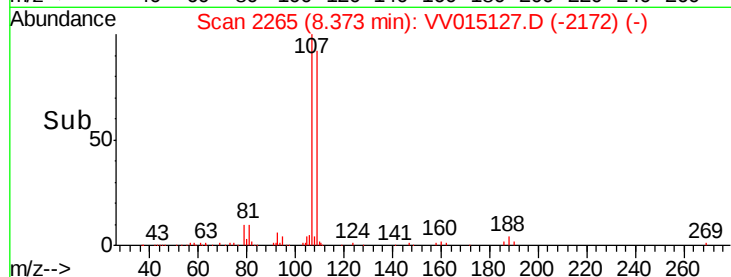
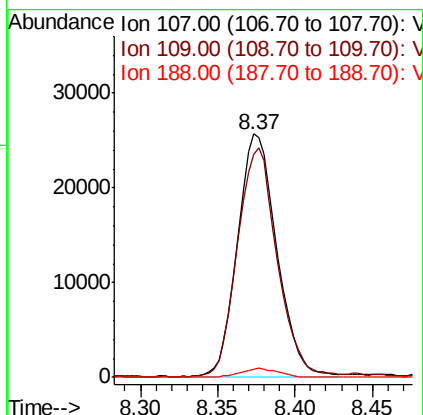
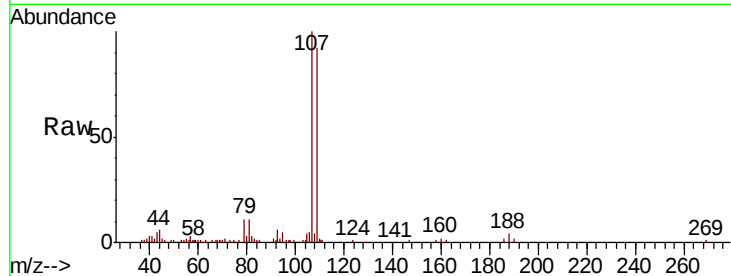




#50
 1,2-Dibromoethane
 Concen: 9.434 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

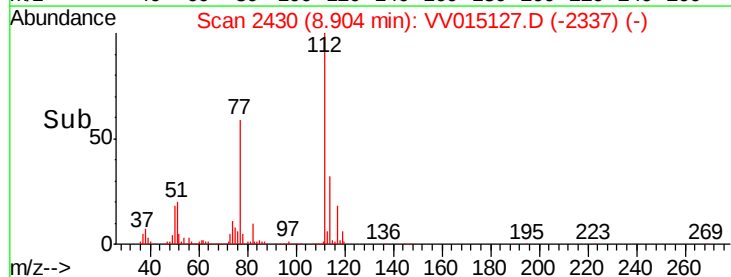
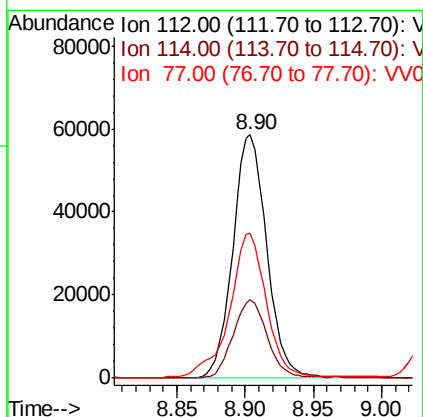
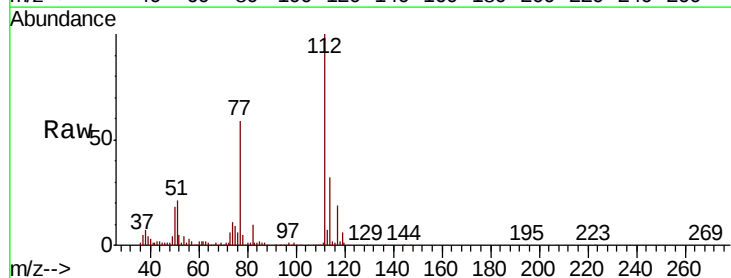
Instrument :
 MSVOA_V
 ClientSampleId :

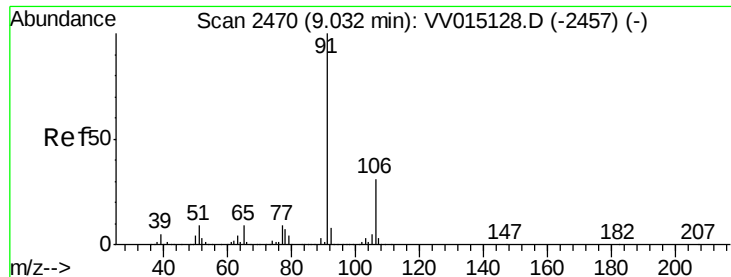
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	66.1	122.8
188	3.5	2.8	4.2



#51
 Chlorobenzene
 Concen: 9.159 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.3
77	59.4	47.0	70.4





#52

Ethylbenzene

Concen: 8.390 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

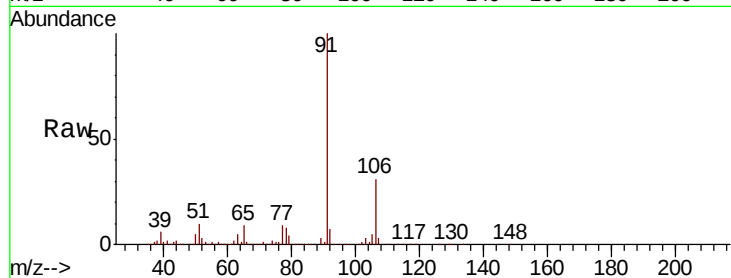
ClientSampled :

Tot Ion: 91 Resp: 154460

Ion Ratio Lower Upper

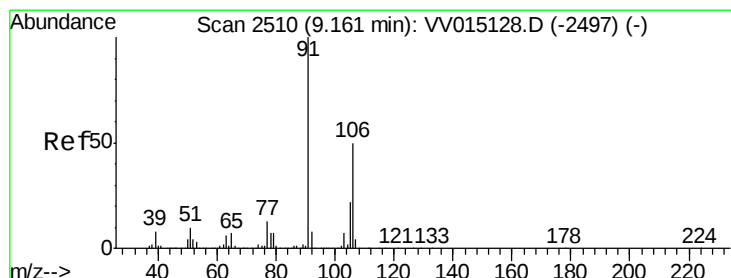
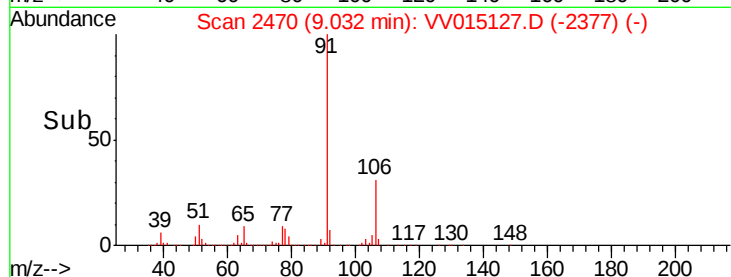
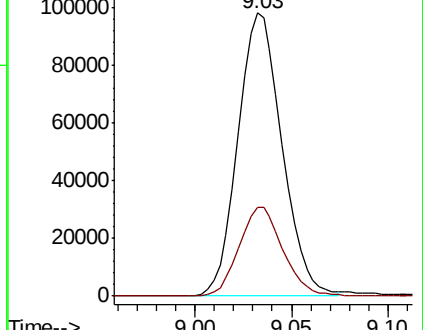
91 100

106 31.3 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV015127.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV015127.D (-2457) (-)



#53

m,p-Xylene

Concen: 8.770 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015127.D

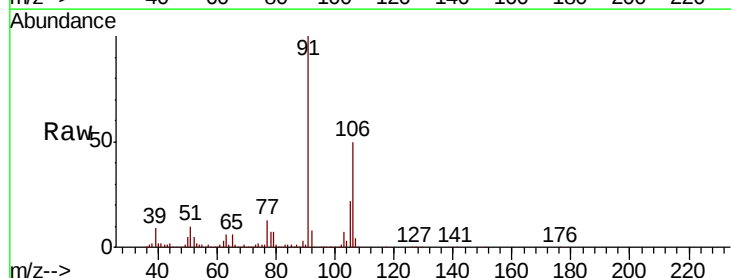
Acq: 25 Mar 2020 04:34

Tgt Ion: 106 Resp: 61380

Ion Ratio Lower Upper

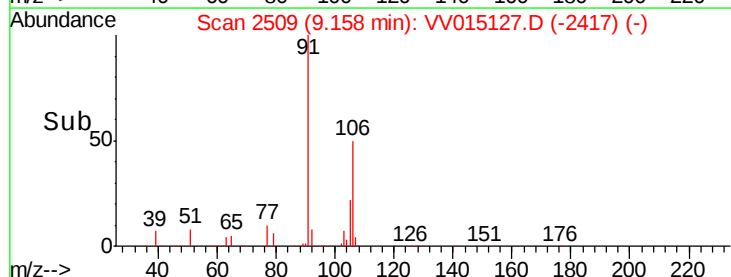
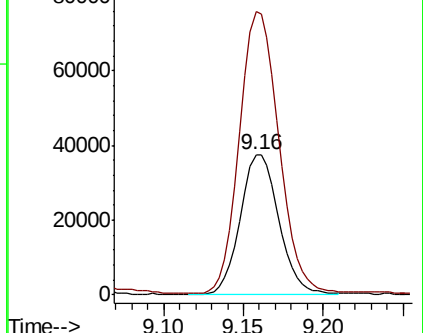
106 100

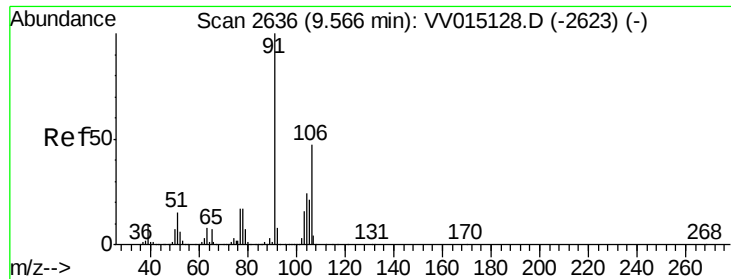
91 201.6 141.3 262.5



Abundance Ion 106.00 (105.70 to 106.70): VV015127.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV015127.D (-2497) (-)





#54

o-xylene

Concen: 8.699 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

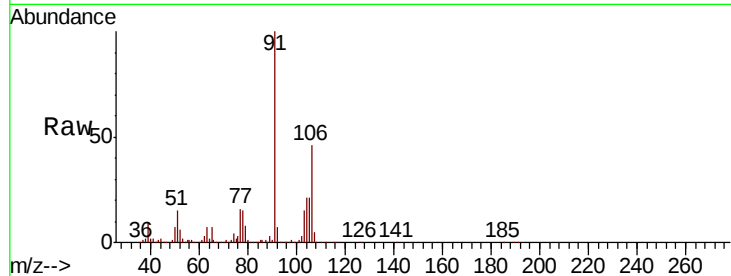
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 63434

Ion Ratio Lower Upper

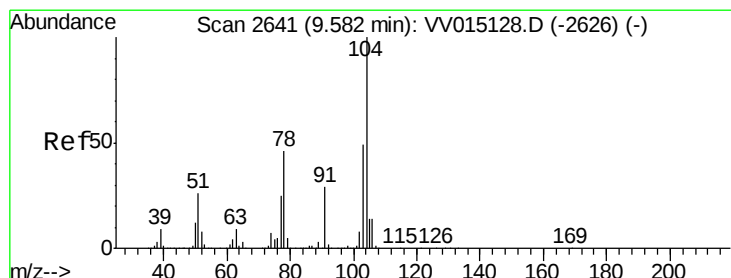
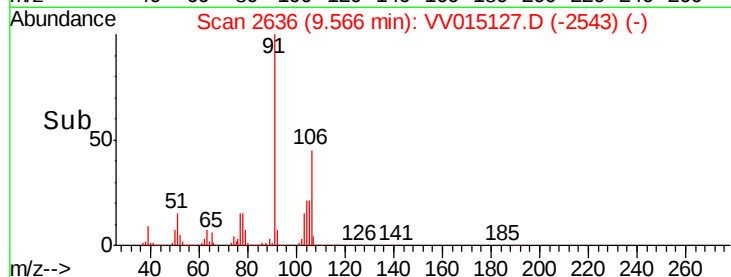
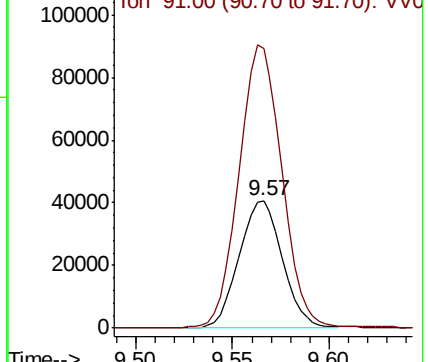
106 100

91 219.7 149.0 276.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.858 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015127.D

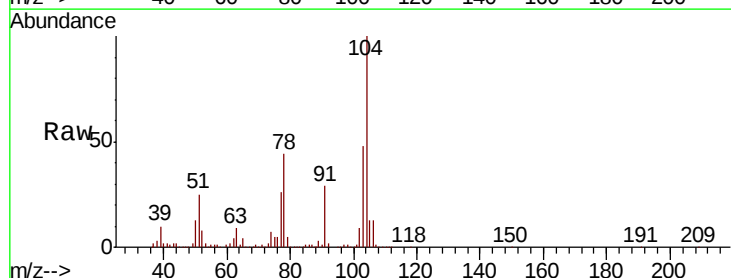
Acq: 25 Mar 2020 04:34

Tgt Ion:104 Resp: 111917

Ion Ratio Lower Upper

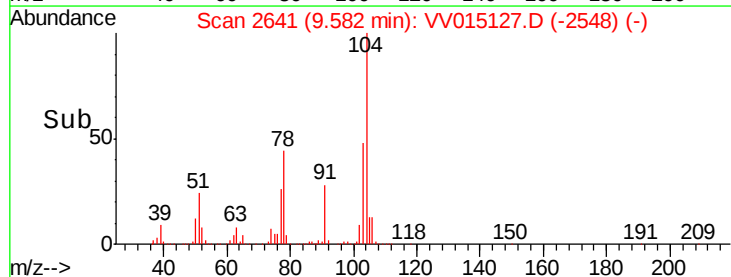
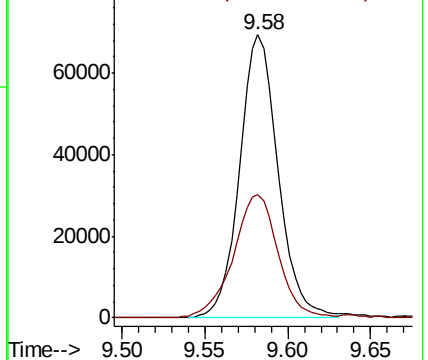
104 100

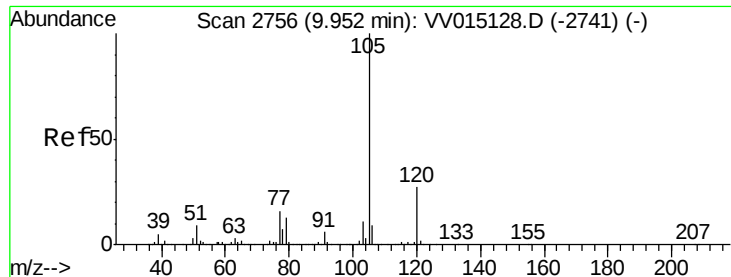
78 43.7 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.180 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampleId :

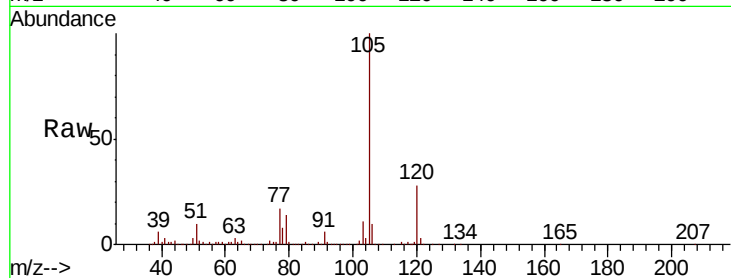
Tot Ion:105 Resp: 144472

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

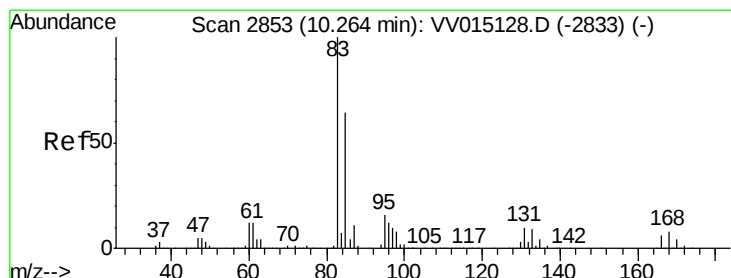
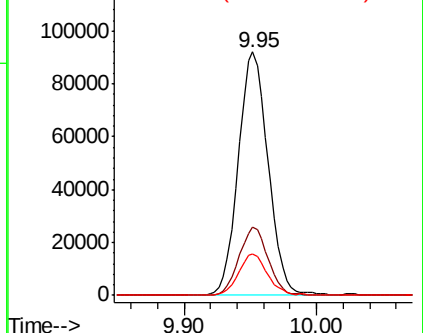
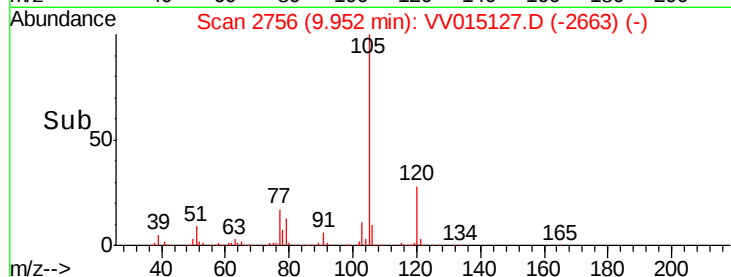
77 16.1 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.478 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

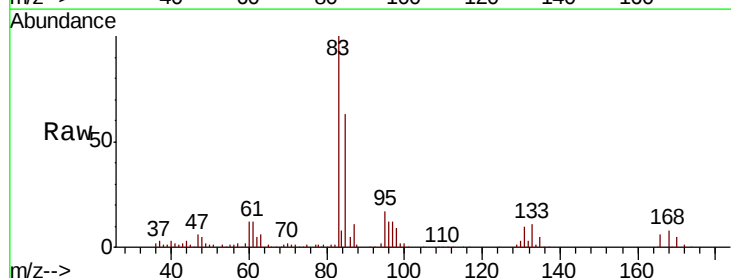
Tgt Ion: 83 Resp: 70488

Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

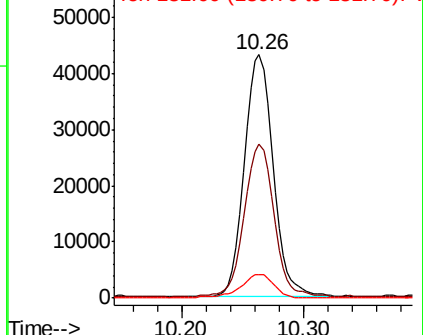
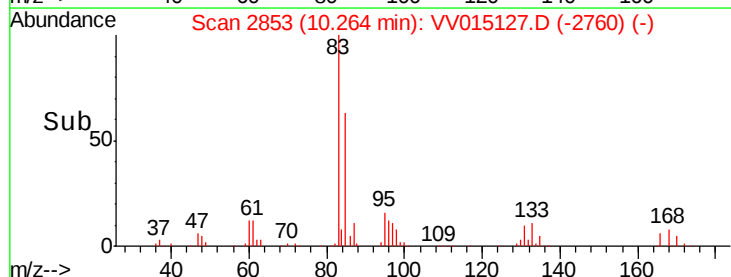
131 9.8 7.8 11.8

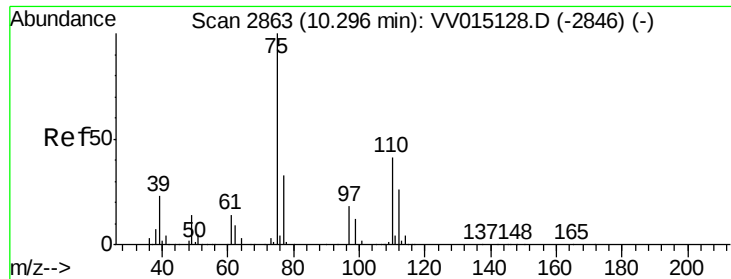


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.445 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

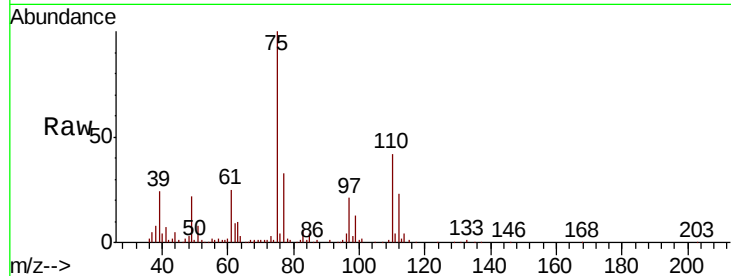
ClientSampleId :

Tot Ion: 75 Resp: 56884

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.30

40000

30000

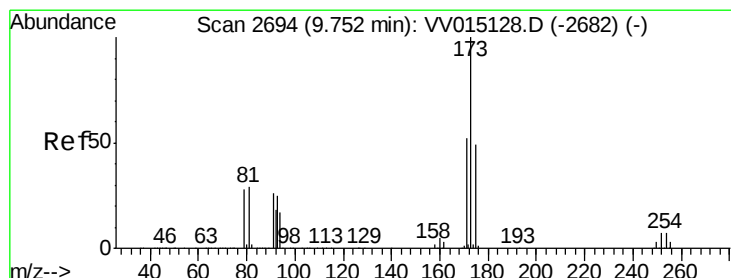
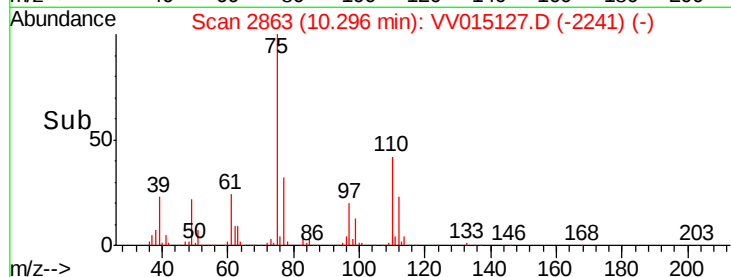
20000

10000

0

10.25 10.30 10.35

Time-->



#61

Bromoform

Concen: 9.813 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

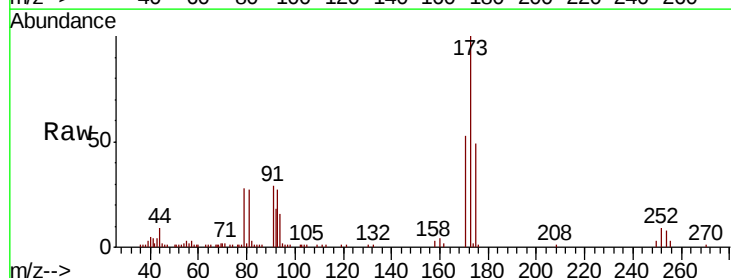
Tgt Ion: 173 Resp: 32495

Ion Ratio Lower Upper

173 100

175 48.9 38.5 57.7

254 8.0 6.0 9.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

25000

20000

15000

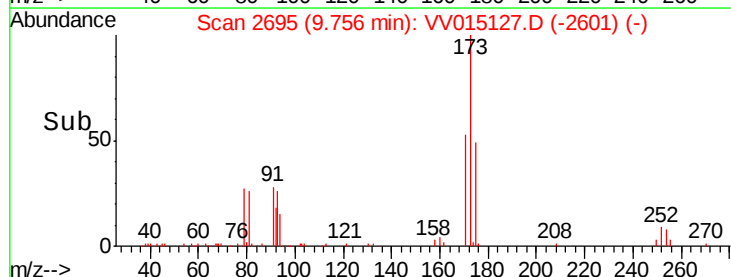
10000

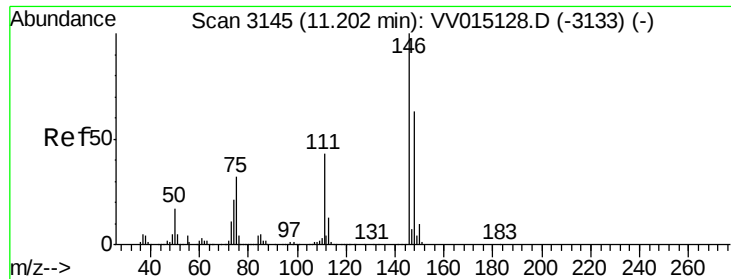
5000

0

9.70 9.75 9.80

Time-->





#62

1,3-Dichlorobenzene

Concen: 8.990 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampleId :

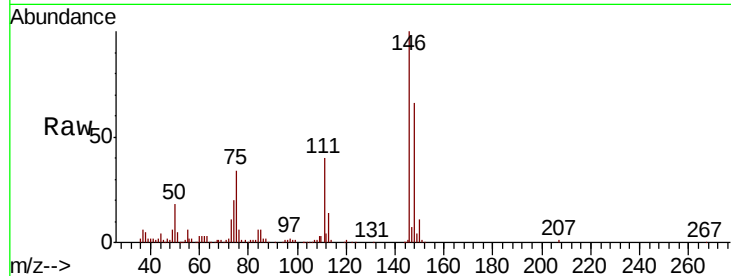
Tot Ion:146 Resp: 68237

Ion Ratio Lower Upper

146 100

111 40.2 29.8 55.3

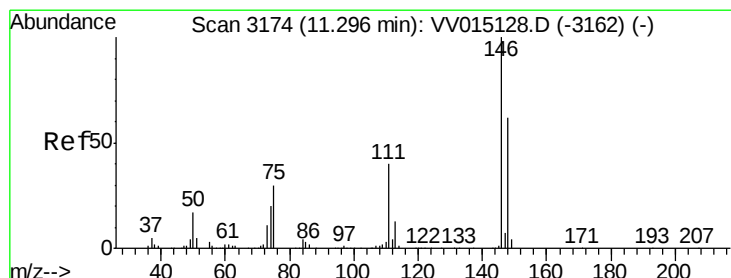
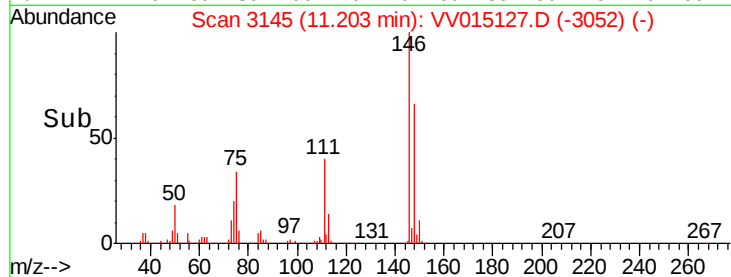
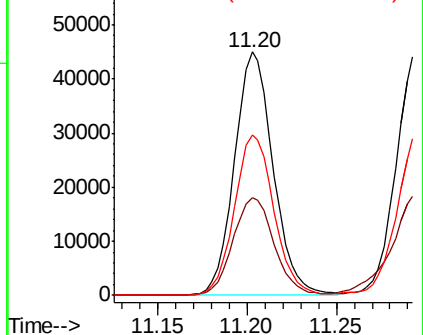
148 66.0 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.098 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

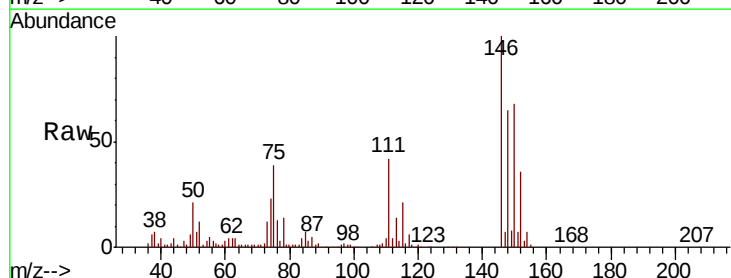
Tgt Ion:146 Resp: 69750

Ion Ratio Lower Upper

146 100

111 41.7 28.6 53.0

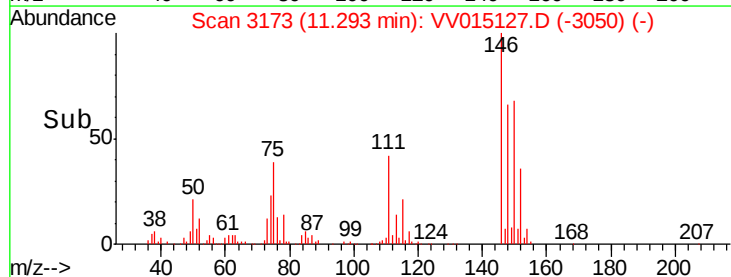
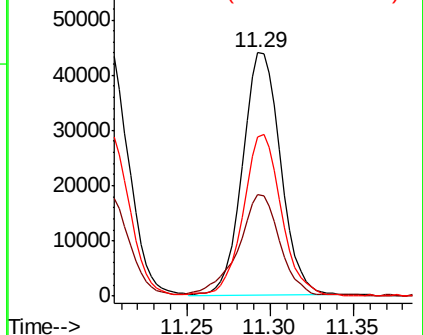
148 65.5 43.8 81.3

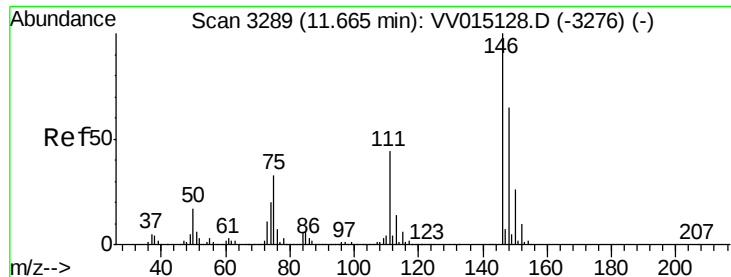


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.550 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampled :

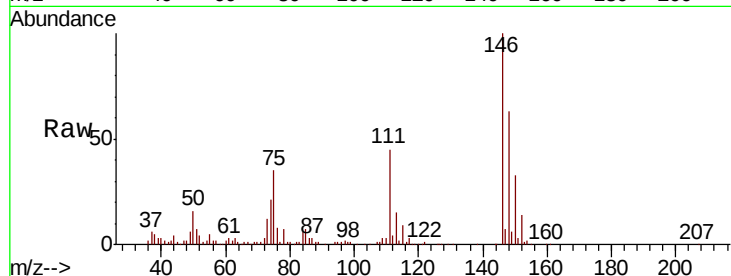
Tot Ion:146 Resp: 76253

Ion Ratio Lower Upper

146 100

111 45.5 35.4 53.0

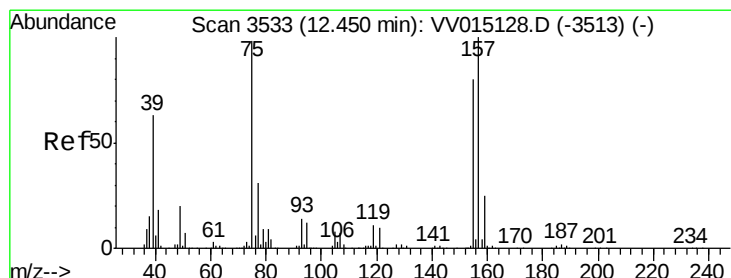
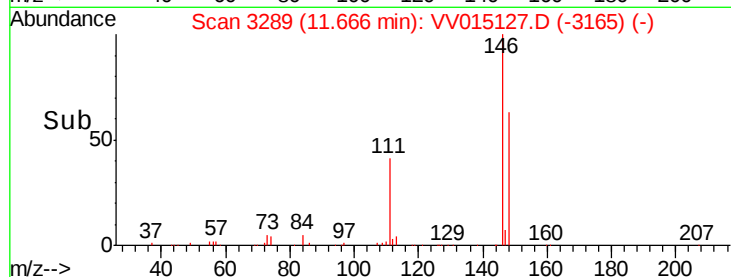
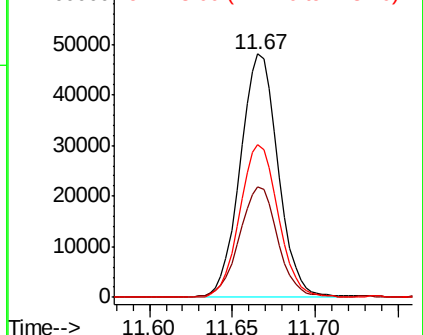
148 63.0 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 10.125 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

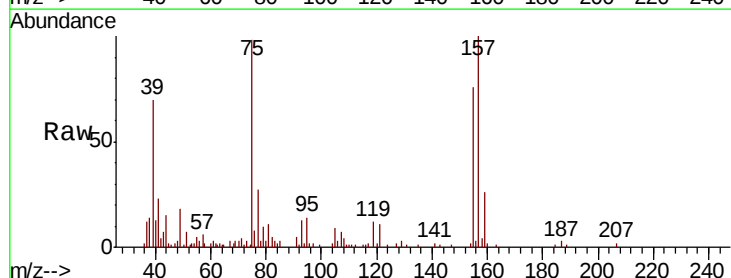
Tgt Ion: 75 Resp: 19106

Ion Ratio Lower Upper

75 100

155 78.0 64.9 97.3

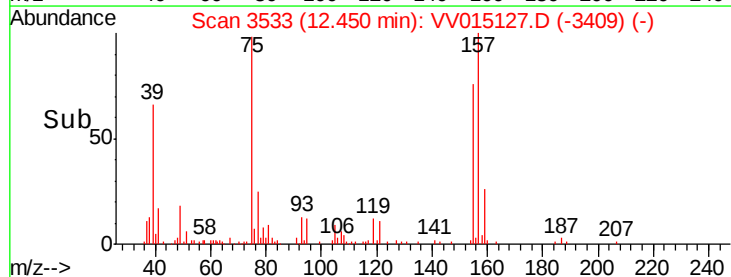
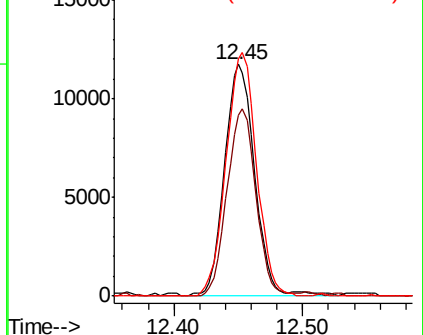
157 102.3 81.6 122.4

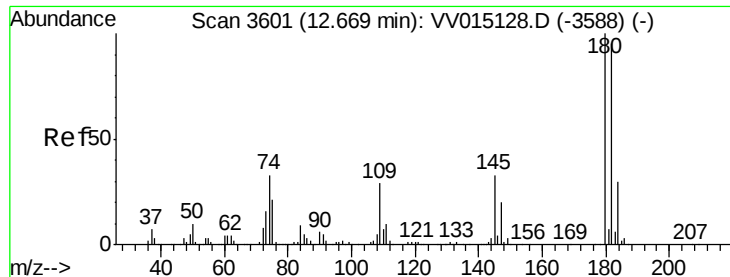


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

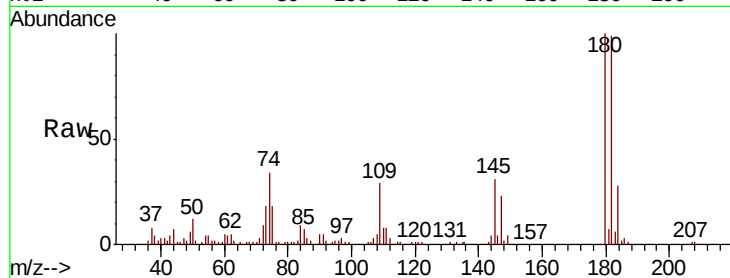




#67
 1,3,5-Trichlorobenzene
 Concen: 8.214 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
184	29.4	24.0	36.0
145	31.6	26.5	39.7



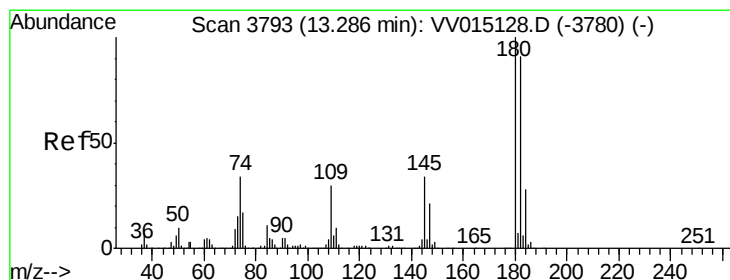
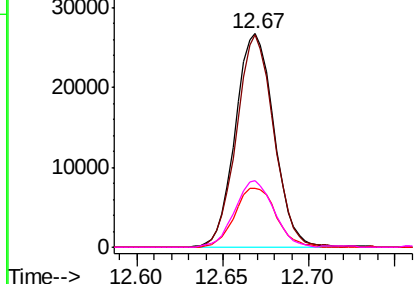
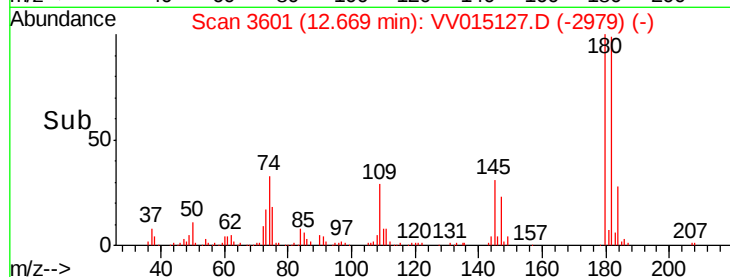
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

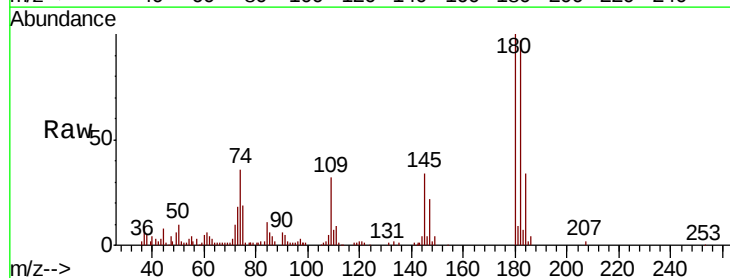
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 8.426 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015127.D
 Acq: 25 Mar 2020 04:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.0	112.4
145	35.3	27.8	41.6

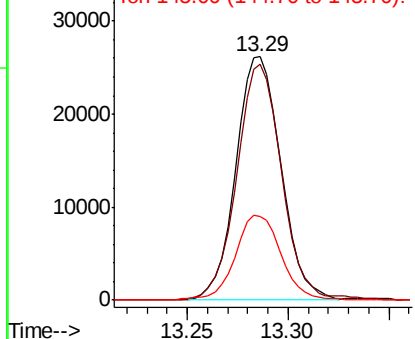
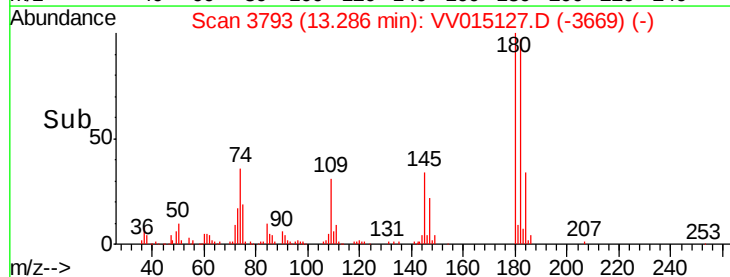


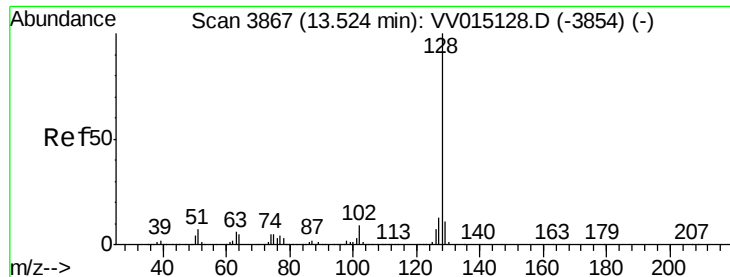
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 15.347 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

Instrument :

MSVOA_V

ClientSampleId :

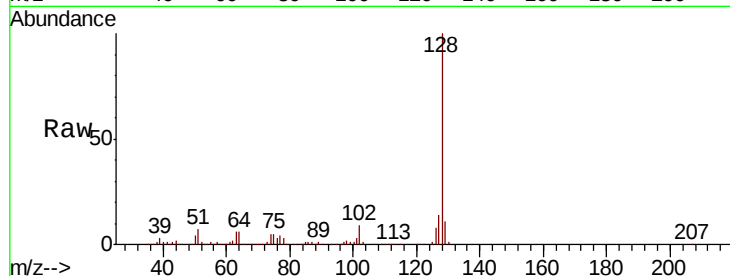
Tot Ion:128 Resp: 188193

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

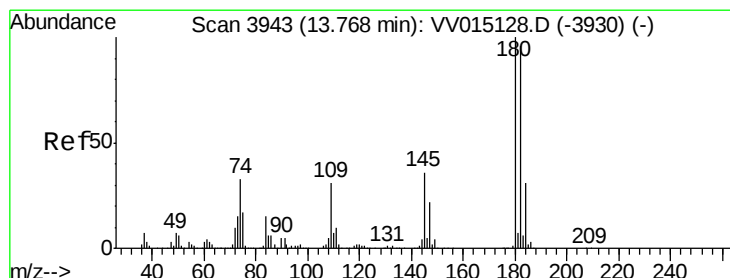
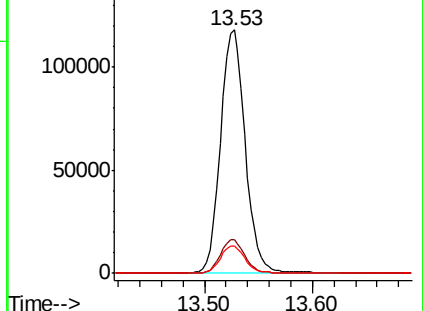
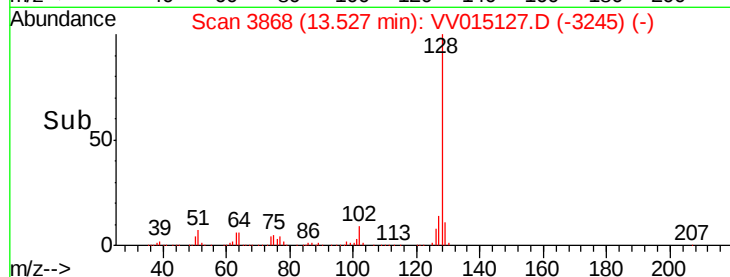
129 11.3 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.997 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015127.D

Acq: 25 Mar 2020 04:34

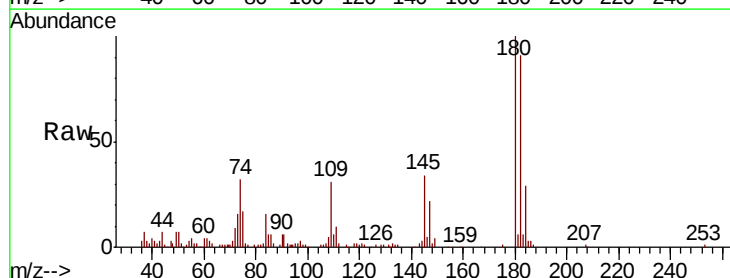
Tgt Ion:180 Resp: 45614

Ion Ratio Lower Upper

180 100

182 92.0 77.4 116.2

145 35.2 29.0 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

