

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008270.D
 Acq On : 15 Oct 2018 11:25
 Operator : SY/MD
 Sample : VSTD00171
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:41:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 04:38:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	107961	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	95584	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6037	0.92	ug/L	0.00
7) Chloroethane-d5	1.59	69	5113	0.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11385	0.90	ug/L	0.00
20) 2-Butanone-d5	3.99	46	19759	11.62	ug/L	0.00
24) Chloroform-d	4.40	84	14132	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	7124	1.04	ug/L	0.00
32) Benzene-d6	5.10	84	28397	1.13	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	9117	1.12	ug/L	0.00
41) Toluene-d8	7.36	98	25645	1.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3689	1.28	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	11512	10.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	5985	1.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	7374	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7453	1.011 ug/L	99
3) Chloromethane	1.25	50	7906	1.207 ug/L	98
5) Vinyl chloride	1.33	62	7052	1.001 ug/L	98
6) Bromomethane	1.54	94	4626	1.333 ug/L	99
8) Chloroethane	1.60	64	4081	0.902 ug/L	91
9) Trichlorofluoromethane	1.77	101	8978	0.789 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5119	0.766 ug/L	97
12) 1,1-Dichloroethene	2.14	96	4548	0.800 ug/L	91
13) Acetone	2.22	43	4858	4.429 ug/L	58
14) Carbon disulfide	2.32	76	16174	1.050 ug/L	97
15) Methyl Acetate	2.48	43	2935	1.145 ug/L	93
16) Methylene chloride	2.54	84	5878	0.855 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	13340	0.908 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	4689	0.756 ug/L	91
19) 1,1-Dichloroethane	3.23	63	9647	0.811 ug/L #	86
21) 2-Butanone	4.06	43	19363	10.238 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	8454	1.129 ug/L #	96
23) Bromochloromethane	4.30	128	3081	0.944 ug/L	92
25) Chloroform	4.43	83	12600	0.946 ug/L	99
27) 1,2-Dichloroethane	5.19	62	7490	0.956 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	10732	0.995 ug/L	100
30) Cyclohexane	4.72	56	13980	1.393 ug/L	99
31) Carbon tetrachloride	4.87	117	9193	0.959 ug/L	93
33) Benzene	5.15	78	28203	1.102 ug/L	100
34) Trichloroethene	5.96	95	8301	1.116 ug/L	96
35) Methylcyclohexane	6.17	83	12958	1.196 ug/L	91
37) 1,2-Dichloropropane	6.23	63	7969	1.140 ug/L #	97
38) Bromodichloromethane	6.56	83	8482	1.010 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	10710	1.173 ug/L	89
40) 4-Methyl-2-pentanone	7.29	43	46868	11.564 ug/L	98

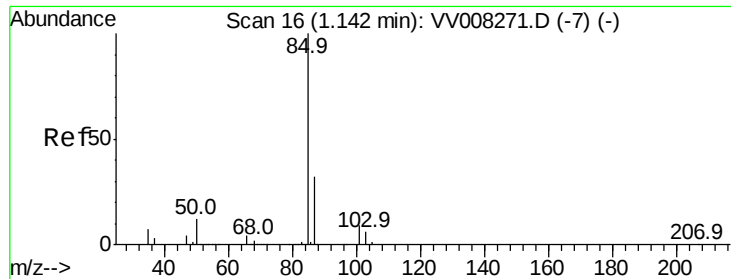
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	30036	1.117	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	8416	1.142	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	5100	1.080	ug/L	97
47) Tetrachloroethene	8.02	164	5076	0.827	ug/L	89
48) 2-Hexanone	8.20	43	32800	11.687	ug/L	97
49) Dibromochloromethane	8.30	129	5099	0.878	ug/L	93
50) 1,2-Dibromoethane	8.41	107	4530	1.049	ug/L #	92
51) Chlorobenzene	8.93	112	17518	0.960	ug/L	100
52) Ethylbenzene	9.06	91	32078	1.089	ug/L	99
53) m,p-xylene	9.18	106	11711	1.057	ug/L	100
54) o-xylene	9.59	106	11410	1.071	ug/L	97
55) Styrene	9.61	104	18116	1.019	ug/L	95
56) Isopropylbenzene	9.98	105	30748	1.066	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	4664	0.846	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	4281	1.064	ug/L #	71
61) Bromoform	9.78	173	2464	1.013	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	11395	0.976	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	11364	0.971	ug/L	95
65) 1,2-Dichlorobenzene	11.70	146	10906	0.970	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	857	1.352	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	6779	0.719	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	4222	0.610	ug/L	97
69) Naphthalene	13.56	128	8522	0.890	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	4378	0.661	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 1.011 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

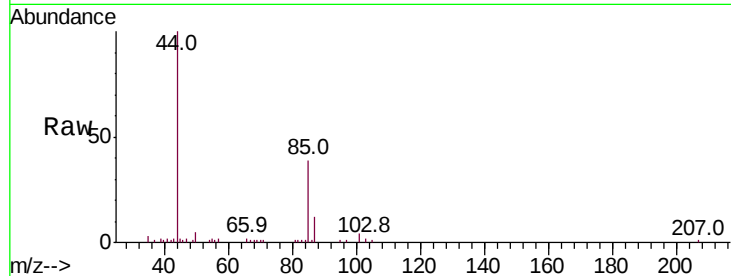
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 7453

Ion Ratio Lower Upper

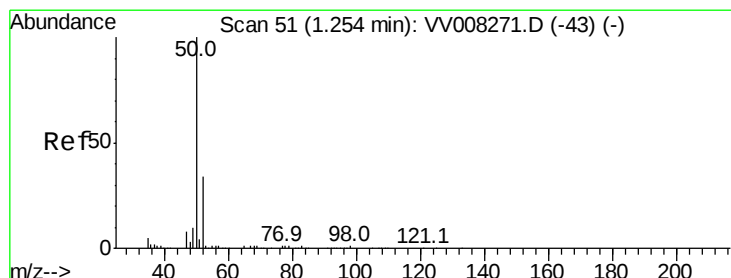
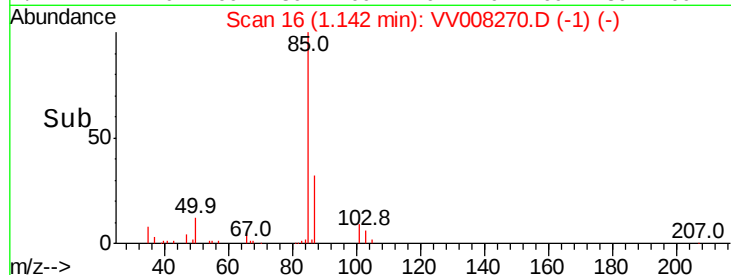
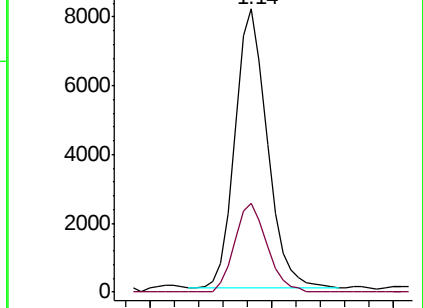
85 100

87 31.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV008270.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008270.D (-7) (-)



#3

Chloromethane

Concen: 1.207 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008270.D

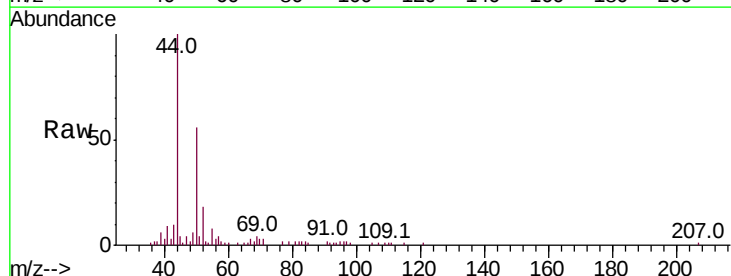
Acq: 15 Oct 2018 11:25

Tgt Ion: 50 Resp: 7906

Ion Ratio Lower Upper

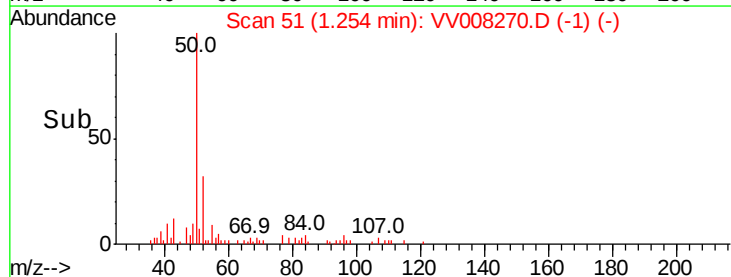
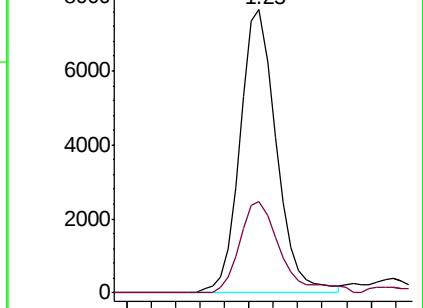
50 100

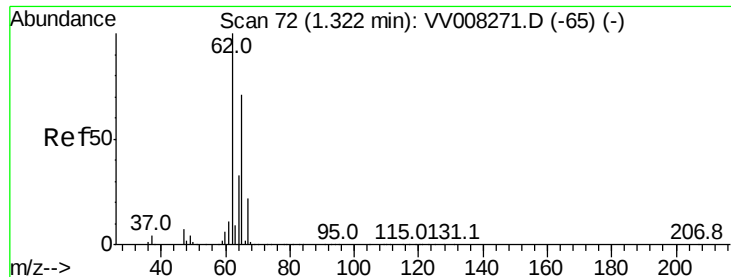
52 32.4 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV008270.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008270.D (-43) (-)





#5

Vinyl chloride

Concen: 1.001 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

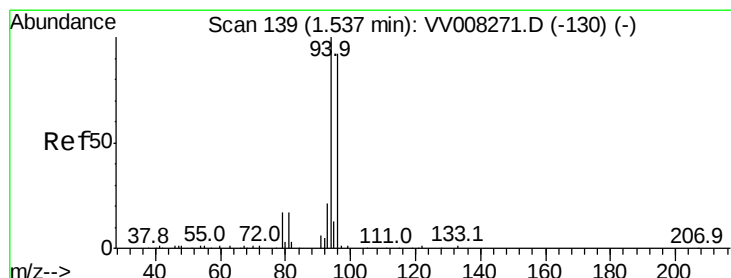
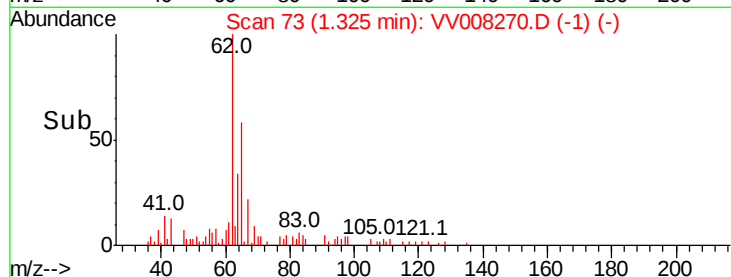
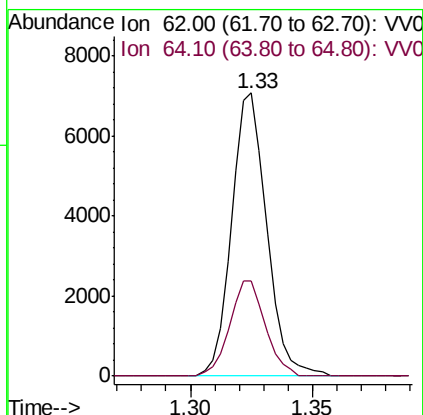
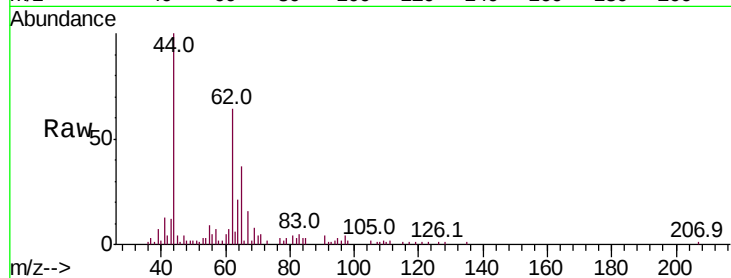
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 7052

Ion Ratio Lower Upper

62 100

64 33.6 22.9 42.5



#6

Bromomethane

Concen: 1.333 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008270.D

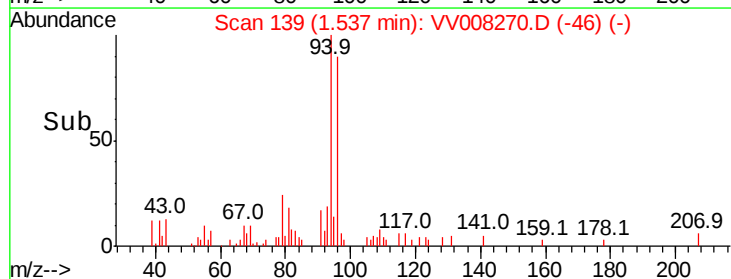
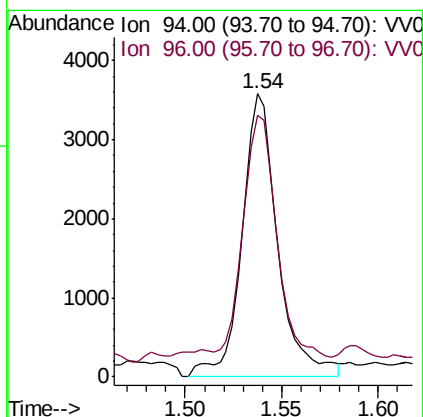
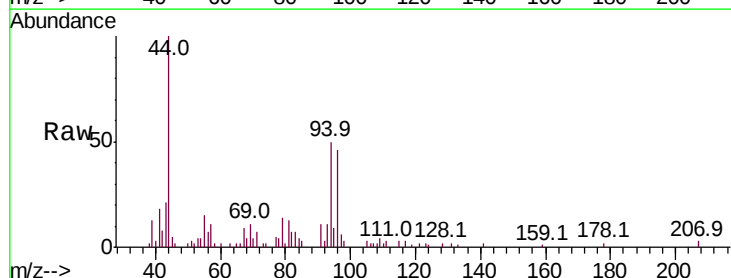
Acq: 15 Oct 2018 11:25

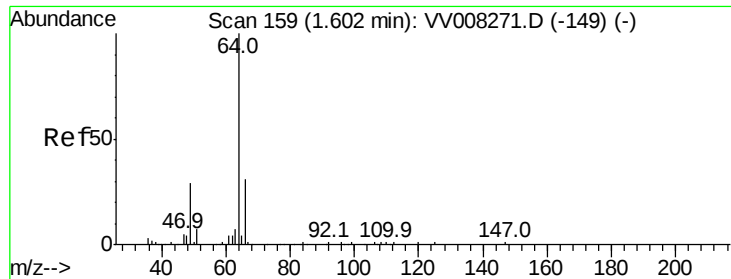
Tgt Ion: 94 Resp: 4626

Ion Ratio Lower Upper

94 100

96 92.3 65.0 120.8

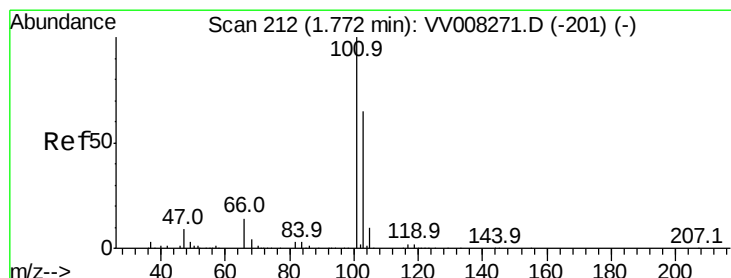
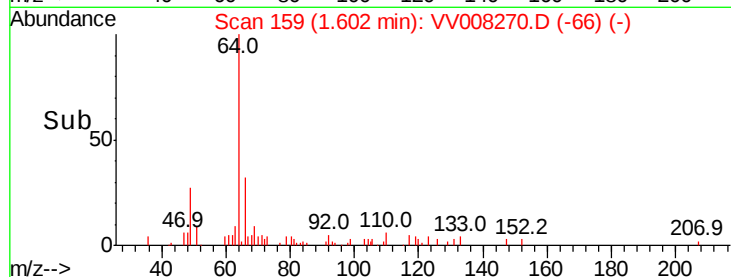
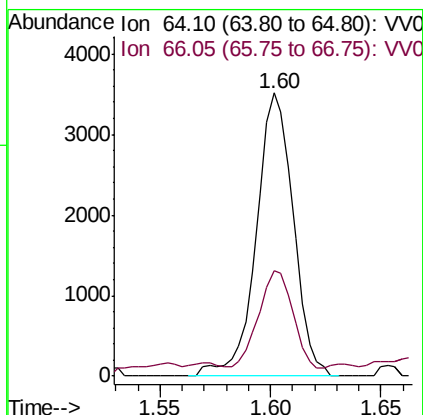
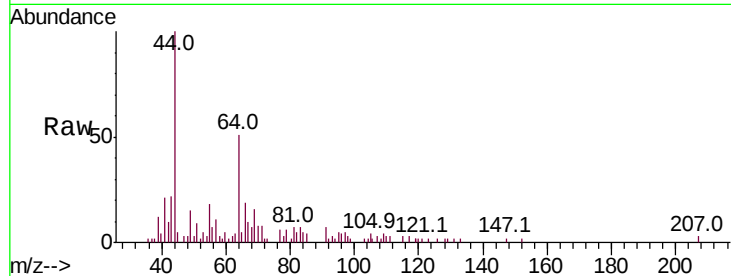




#8
Chloroethane
Concen: 0.902 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

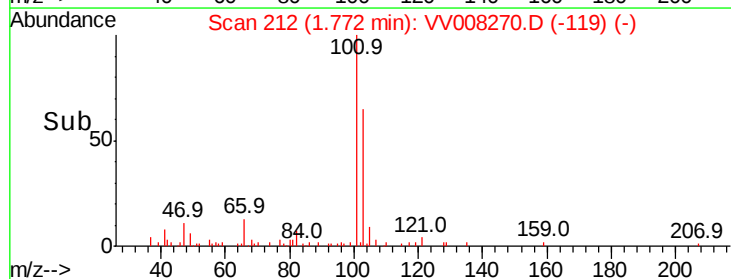
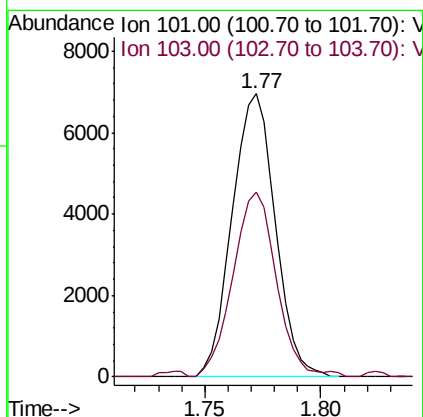
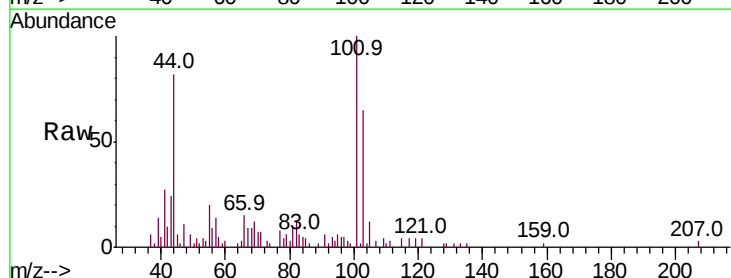
Instrument :
MSVOA_V
ClientSampleId :

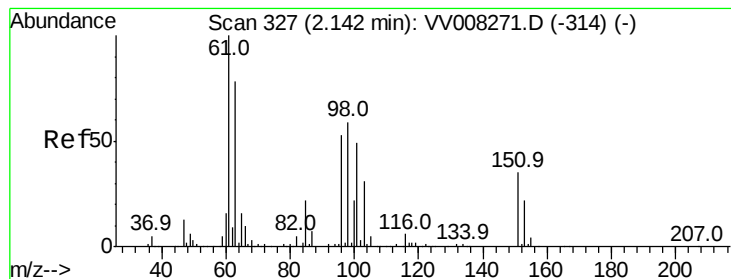
Tot Ion: 64 Resp: 4081
Ion Ratio Lower Upper
64 100
66 37.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 0.789 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

Tgt Ion: 101 Resp: 8978
Ion Ratio Lower Upper
101 100
103 66.0 51.8 77.6





#10

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

Concen: 0.766 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

ClientSampleId :

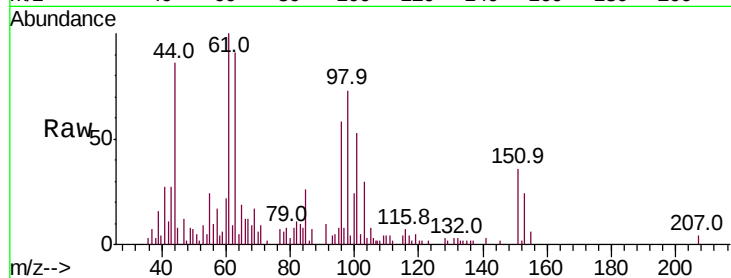
Tot Ion:101 Resp: 5119

Ion Ratio Lower Upper

101 100

85 43.9 37.4 56.2

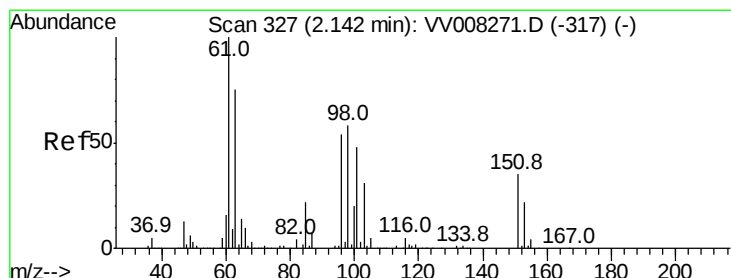
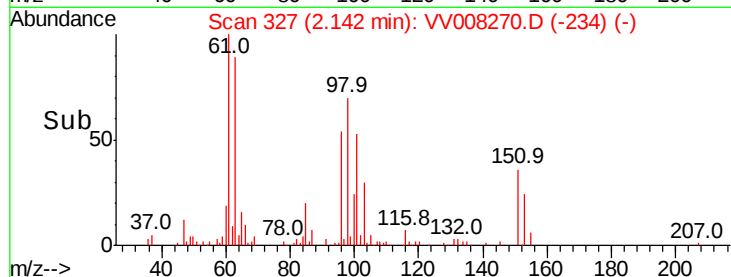
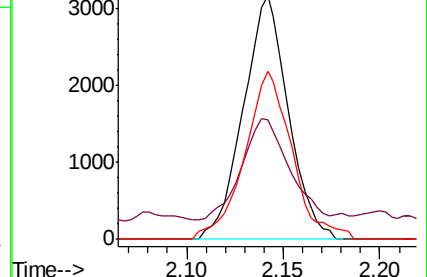
151 72.7 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.800 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

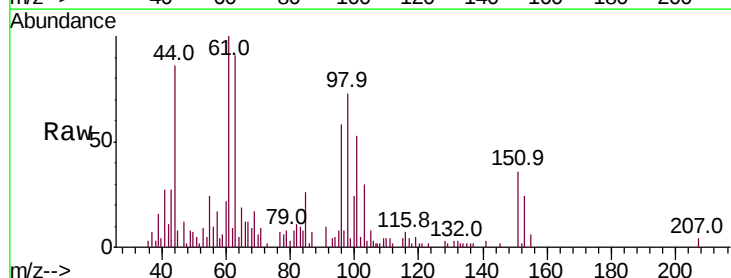
Tgt Ion: 96 Resp: 4548

Ion Ratio Lower Upper

96 100

61 173.7 129.9 241.3

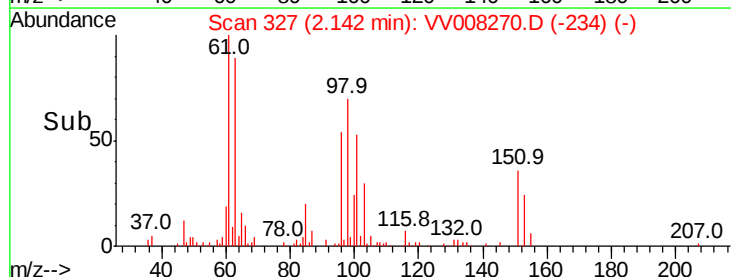
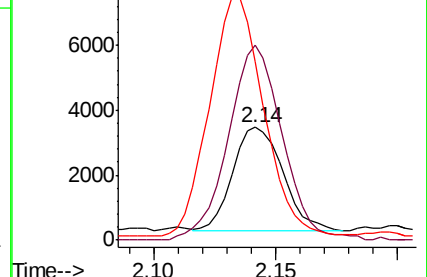
63 158.6 103.0 191.4

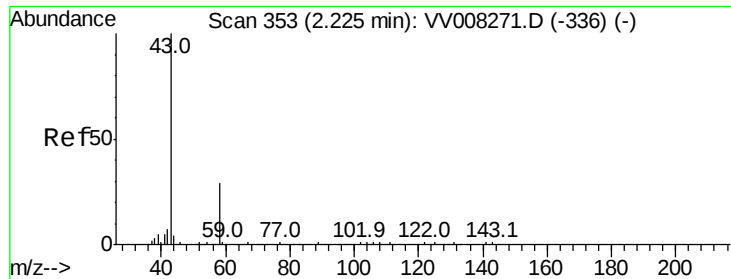


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.429 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

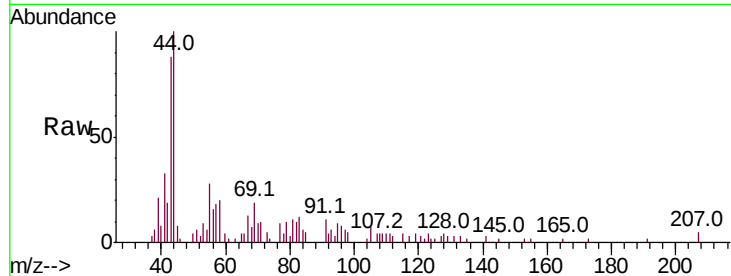
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4858

Ion Ratio Lower Upper

43 100

58 53.9 0.0 62.0

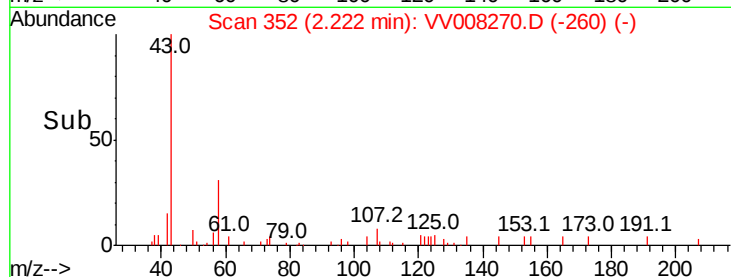


Abundance Ion 43.05 (42.75 to 43.75): VV008271.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008271.D (-336) (-)

2.22

Time-->

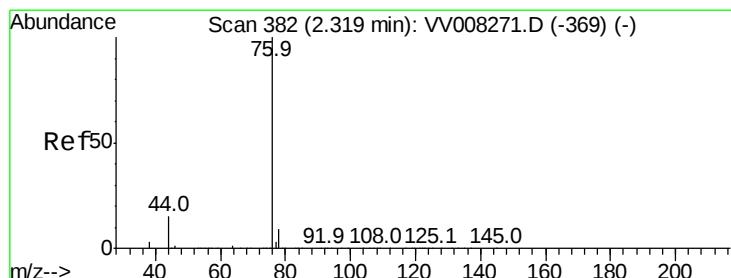


Abundance Ion 43.05 (42.75 to 43.75): VV008270.D (-260) (-)

Ion 58.05 (57.75 to 58.75): VV008270.D (-260) (-)

2.22

Time-->



#14

Carbon disulfide

Concen: 1.050 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008270.D

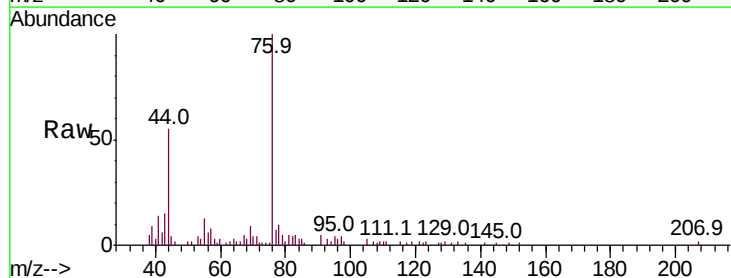
Acq: 15 Oct 2018 11:25

Tgt Ion: 76 Resp: 16174

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2

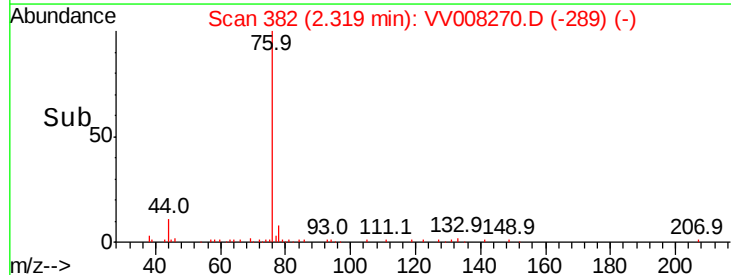


Abundance Ion 76.05 (75.75 to 76.75): VV008271.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008271.D (-369) (-)

2.32

Time-->

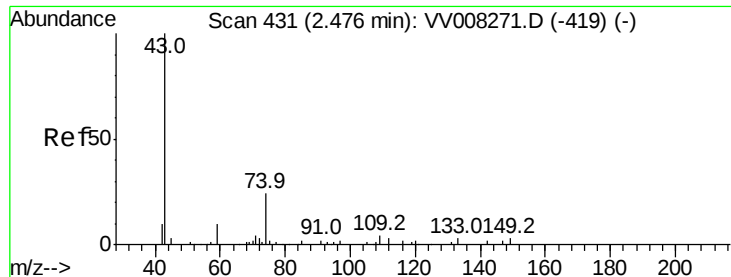


Abundance Ion 76.05 (75.75 to 76.75): VV008270.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV008270.D (-289) (-)

2.32

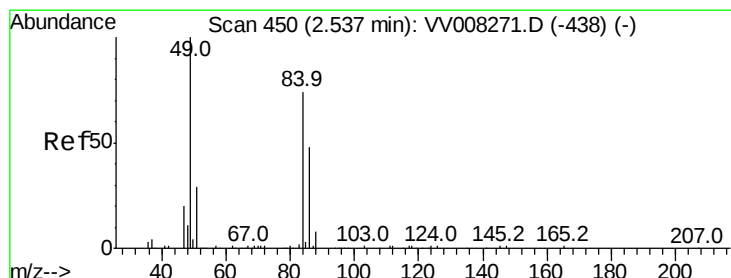
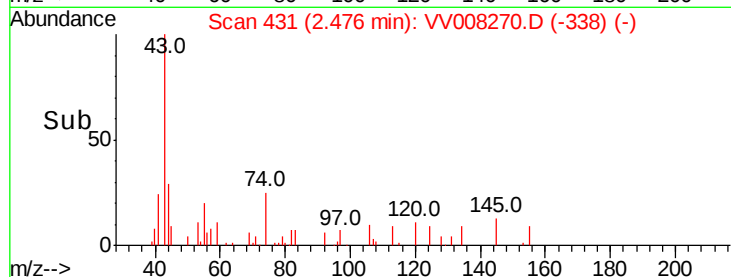
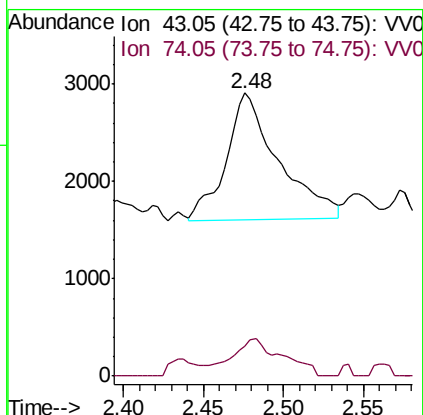
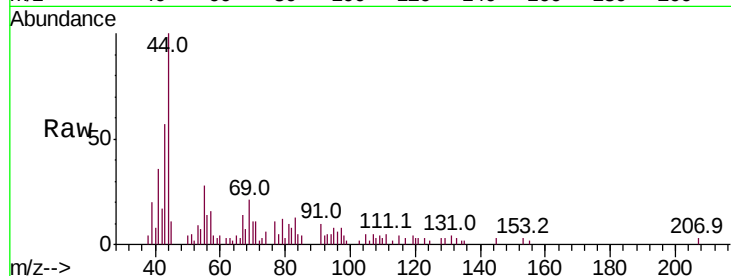
Time-->



#15
Methyl Acetate
Concen: 1.145 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

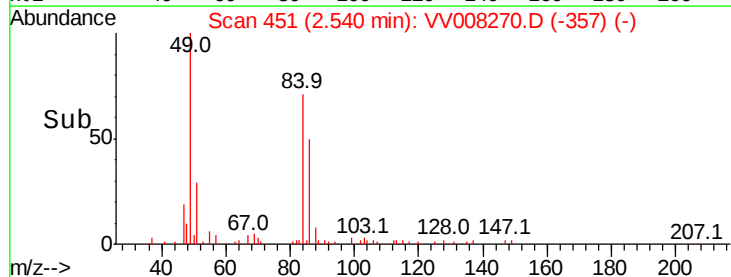
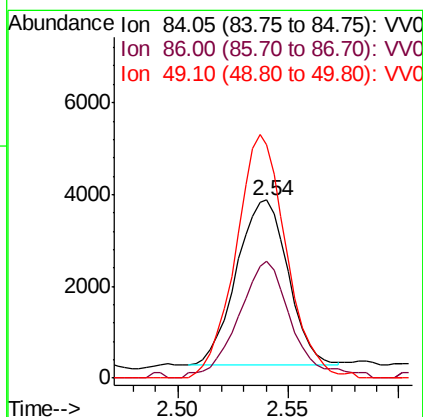
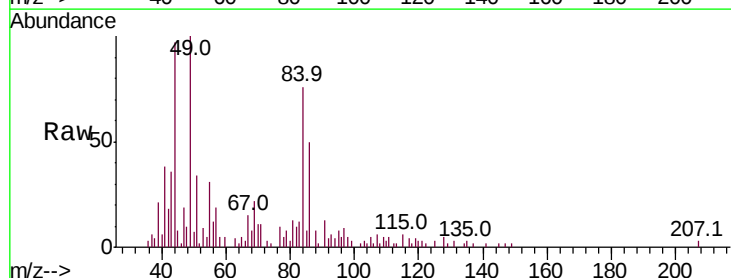
Instrument :
MSVOA_V
ClientSampleId :

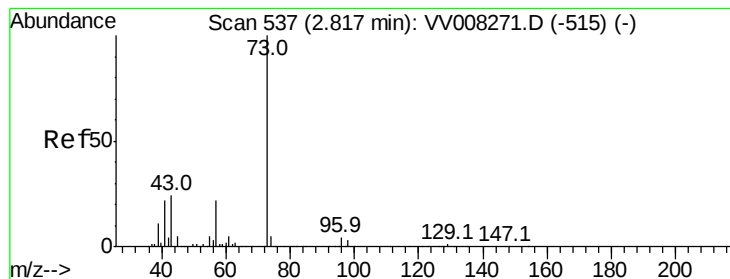
Tot Ion: 43 Resp: 2935
Ion Ratio Lower Upper
43 100
74 28.8 20.0 30.0



#16
Methylene chloride
Concen: 0.855 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

Tgt Ion: 84 Resp: 5878
Ion Ratio Lower Upper
84 100
86 65.7 45.0 83.6
49 131.4 92.9 172.5



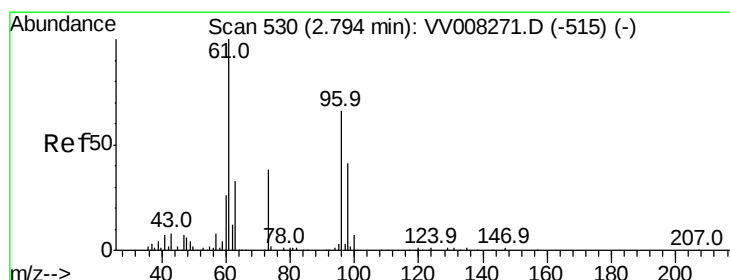
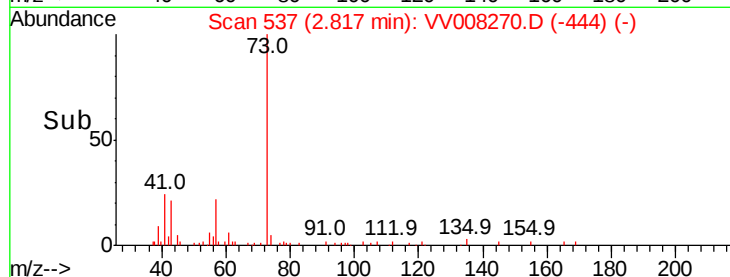
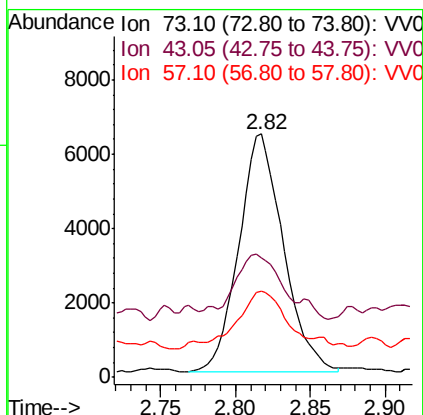
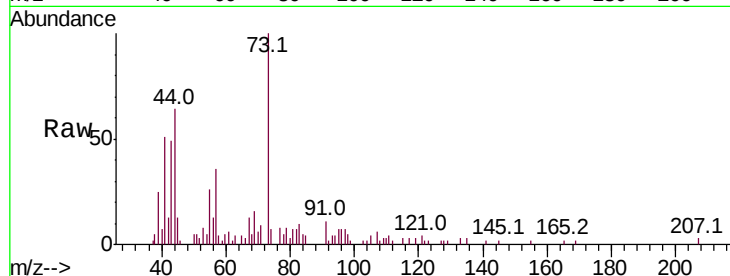


#17

Methvl tert-butvl Ether
 Concen: 0.908 ug/L
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Instrument :
 MSVOA_V
 ClientSampleId :

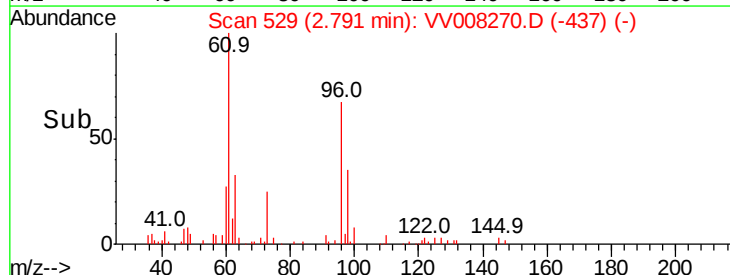
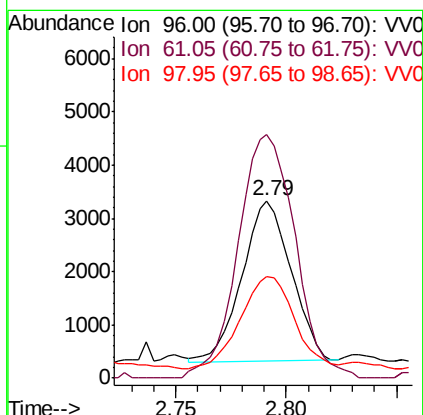
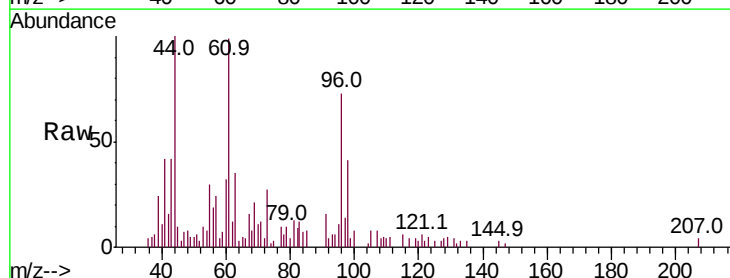
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.2	19.0	28.6
57	20.0	18.2	27.2

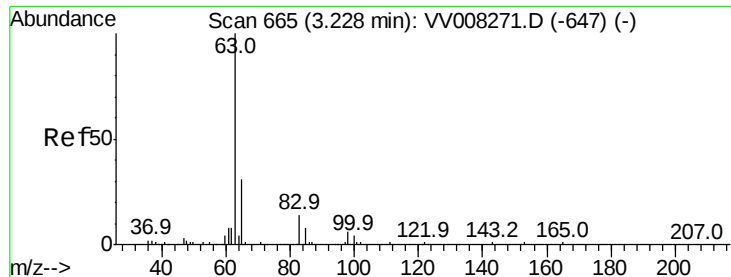


#18

trans-1,2-Dichloroethene
 Concen: 0.756 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.1	104.6	194.2
98	57.0	44.1	81.9





#19

1,1-Dichloroethane

Concen: 0.811 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :
MSVOA_V
ClientSampled :

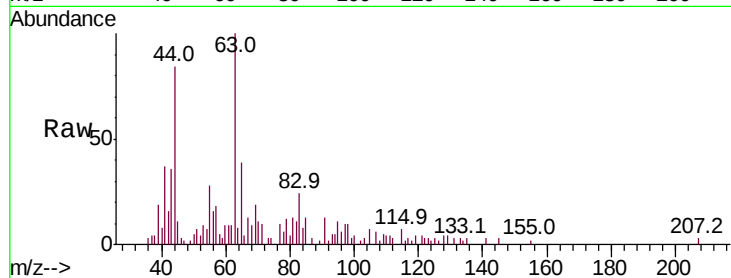
Tot Ion: 63 Resp: 9647

Ion Ratio Lower Upper

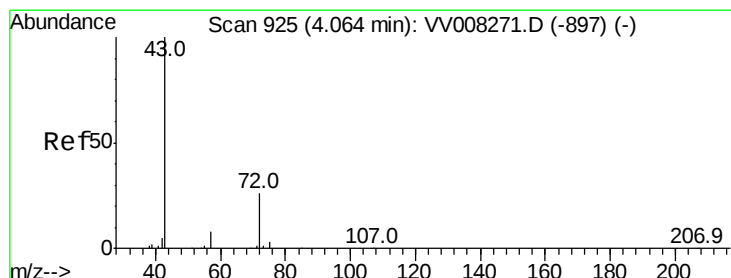
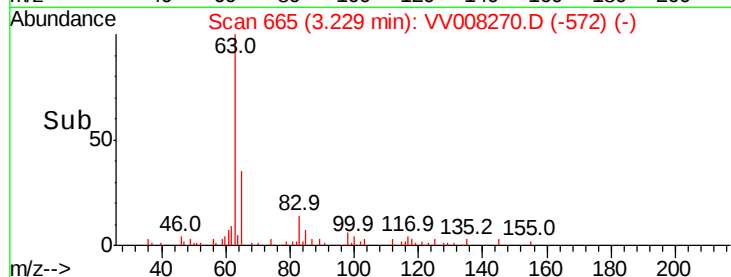
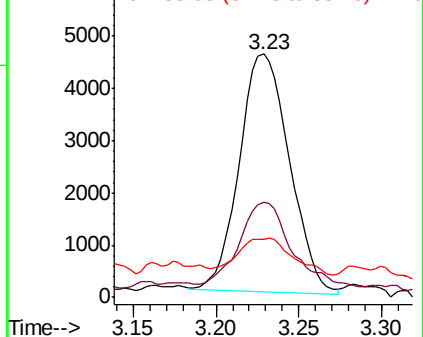
63 100

65 38.9 22.6 42.0

83 24.1 11.0 20.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 10.238 ug/L

RT: 4.06 min Scan# 925

Delta R.T. 0.00 min

Lab File: VV008270.D

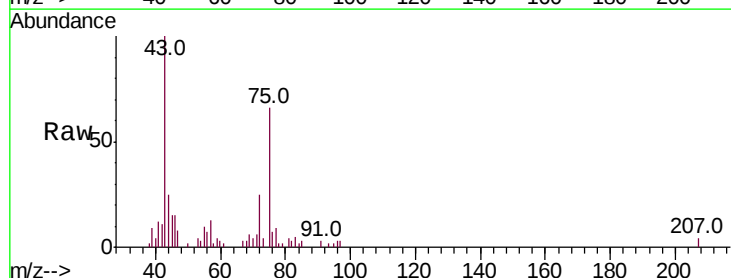
Acq: 15 Oct 2018 11:25

Tgt Ion: 43 Resp: 19363

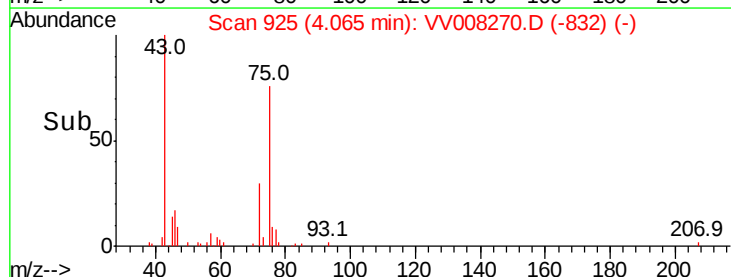
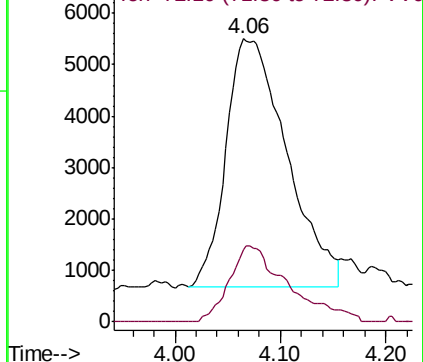
Ion Ratio Lower Upper

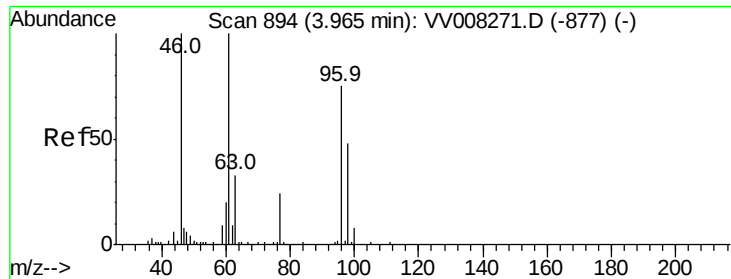
43 100

72 29.8 12.9 38.7



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



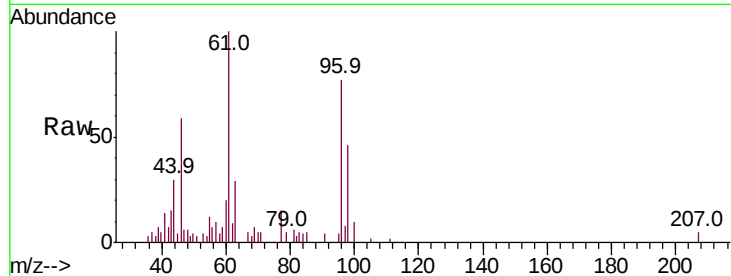


#22

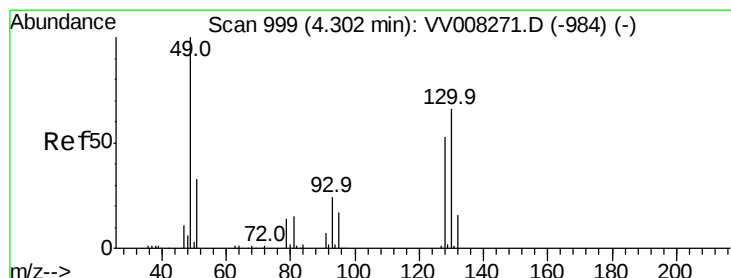
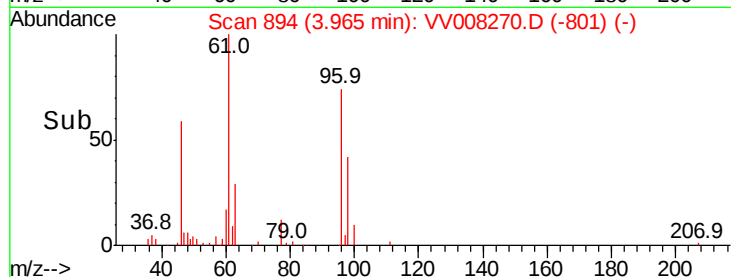
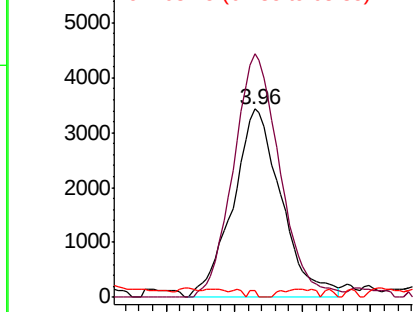
cis-1,2-Dichloroethene
 Concen: 1.129 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 8454
 Ion Ratio Lower Upper
 96 100
 61 129.5 93.7 174.1
 68 3.7 0.6 1.2#



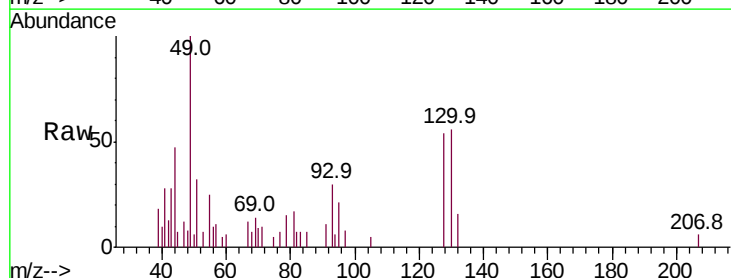
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



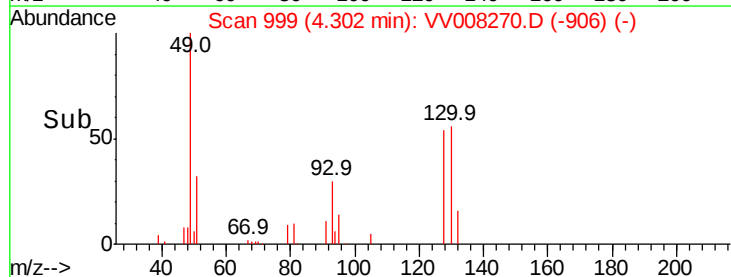
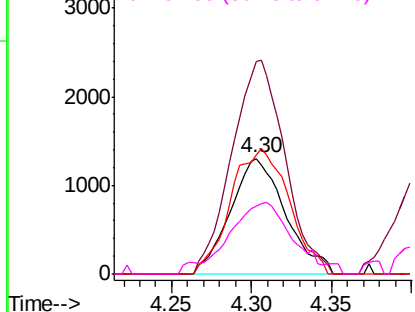
#23

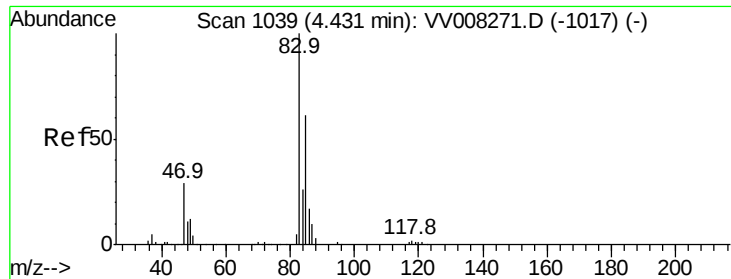
Bromochloromethane
 Concen: 0.944 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Tgt Ion: 128 Resp: 3081
 Ion Ratio Lower Upper
 128 100
 49 183.5 131.3 243.9
 130 103.1 86.0 159.8
 51 59.2 50.9 76.3



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: 0.946 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

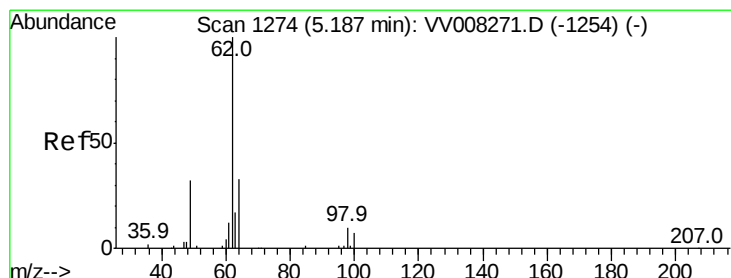
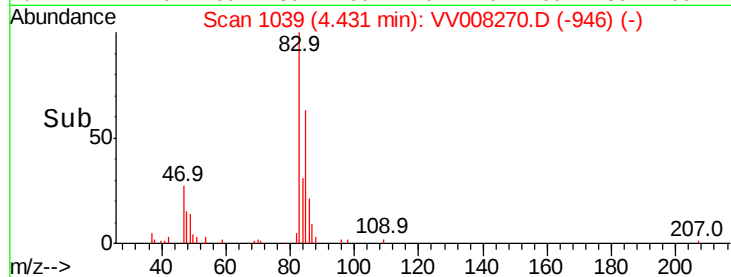
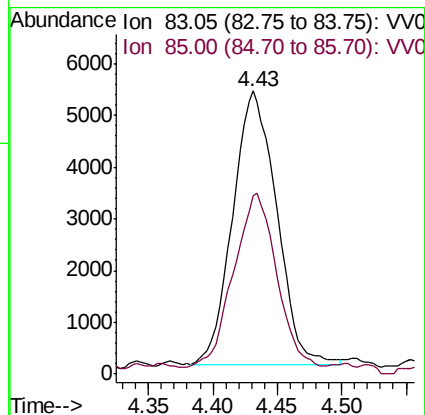
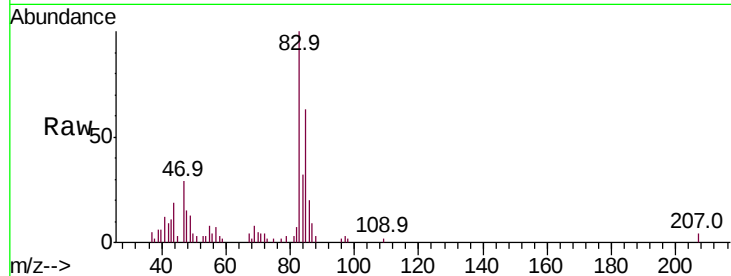
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 12600

Ion Ratio Lower Upper

83 100

85 62.9 43.4 80.6



#27

1,2-Dichloroethane

Concen: 0.956 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VV008270.D

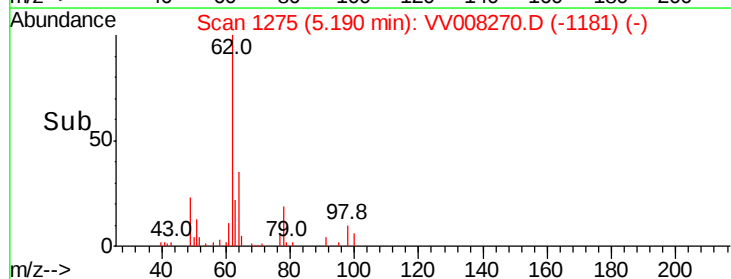
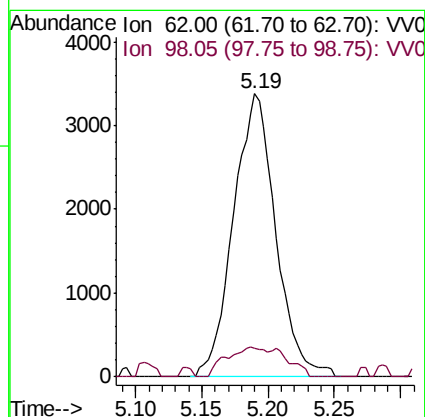
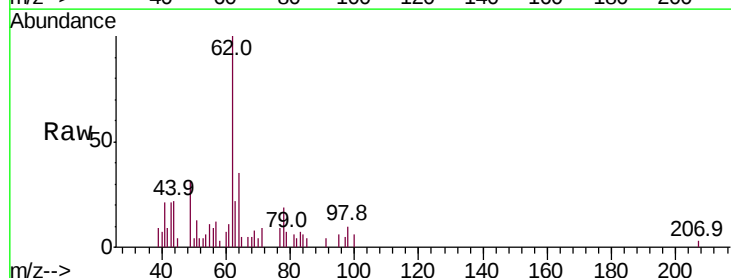
Acq: 15 Oct 2018 11:25

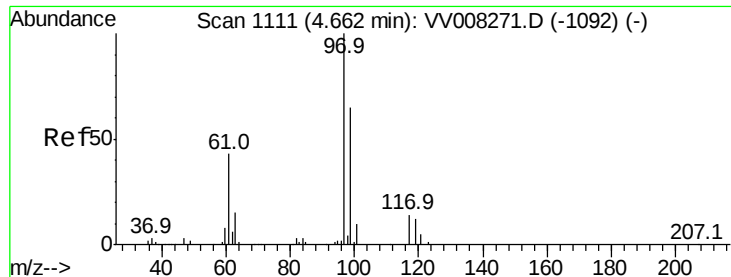
Tgt Ion: 62 Resp: 7490

Ion Ratio Lower Upper

62 100

98 10.0 7.6 11.4

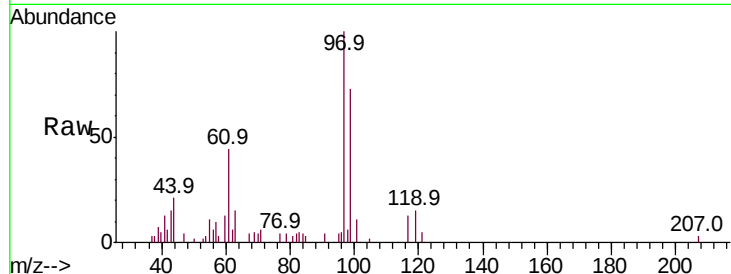




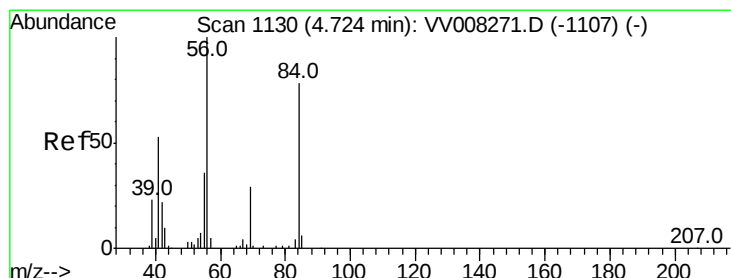
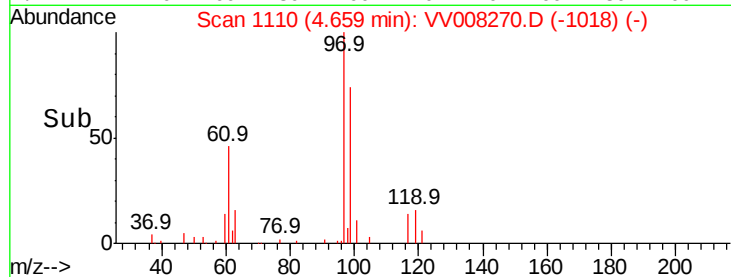
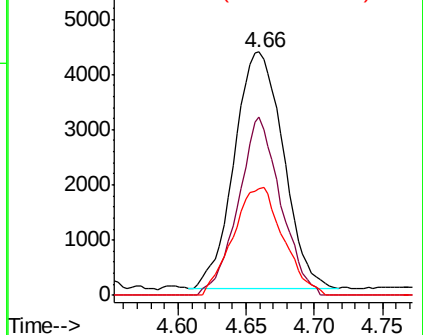
#29
 1,1,1-Trichloroethane
 Concen: 0.995 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 10732
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.6 77.4
 61 46.4 37.0 55.6

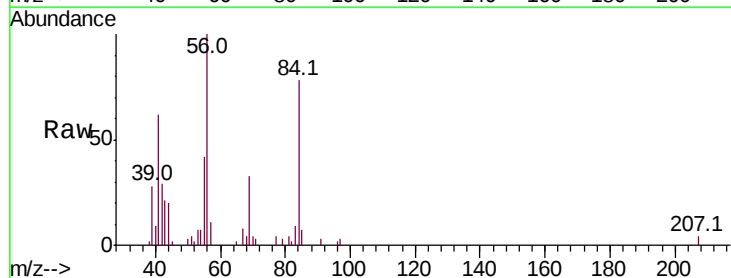


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

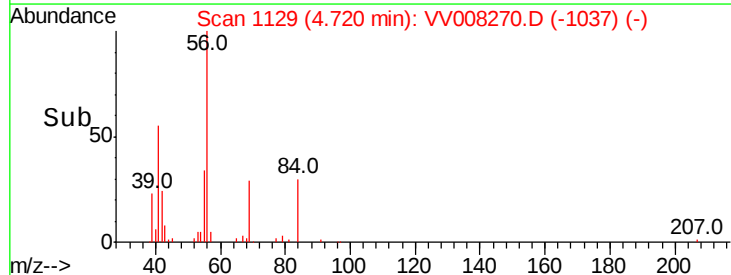
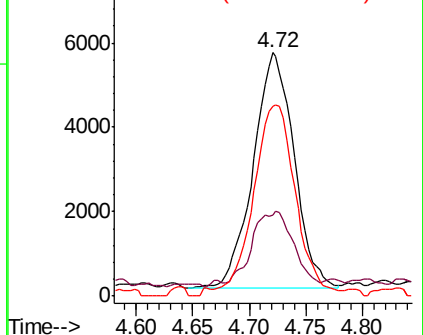


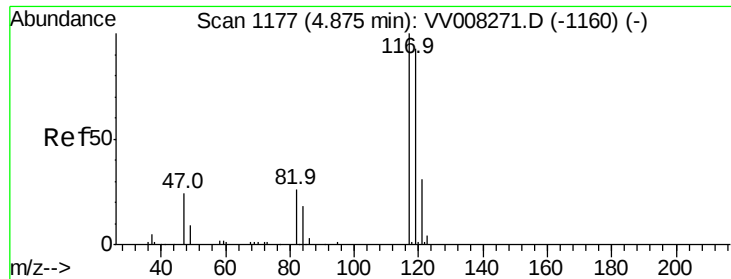
#30
 Cyclohexane
 Concen: 1.393 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Tgt Ion: 56 Resp: 13980
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.3 36.5
 84 79.6 64.1 96.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.959 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

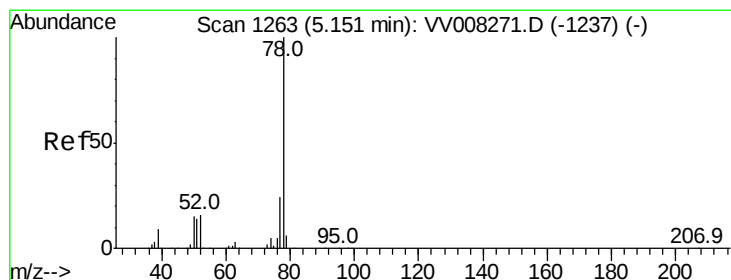
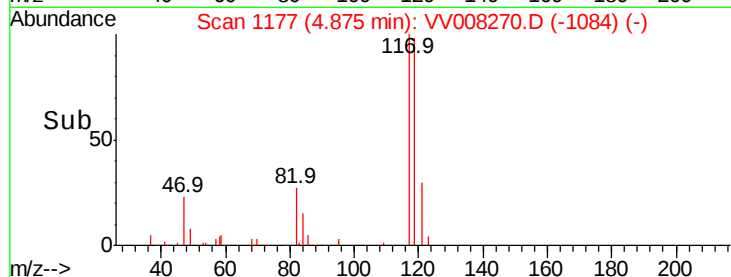
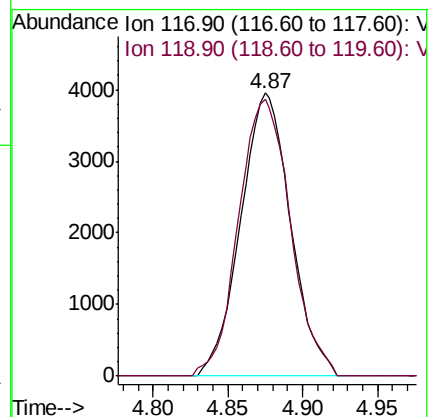
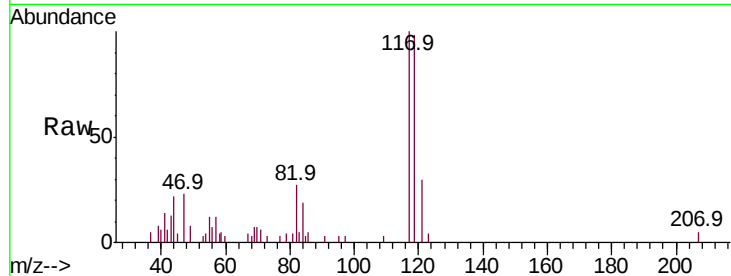
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 9193

Ion Ratio Lower Upper

117 100

119 101.3 75.5 113.3



#33

Benzene

Concen: 1.102 ug/L

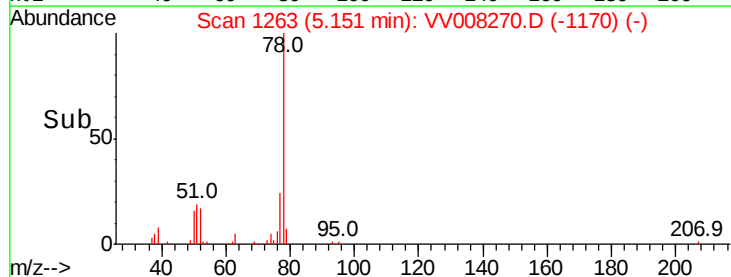
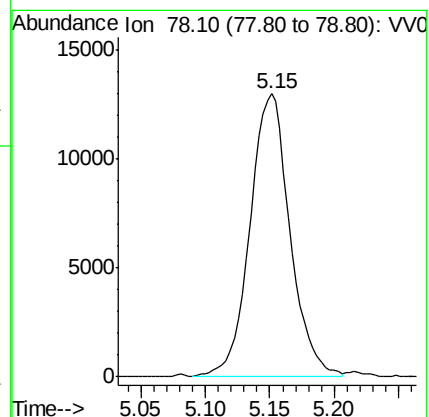
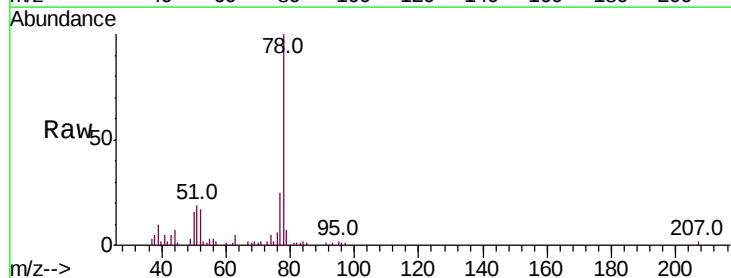
RT: 5.15 min Scan# 1263

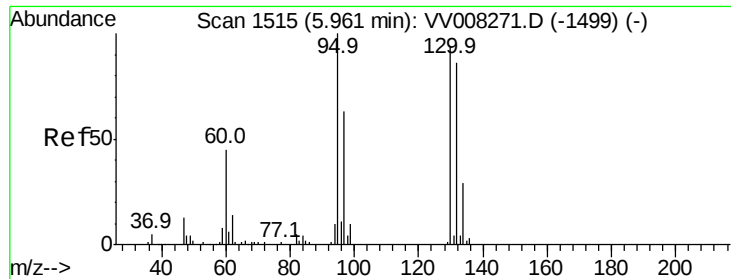
Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Tgt Ion: 78 Resp: 28203

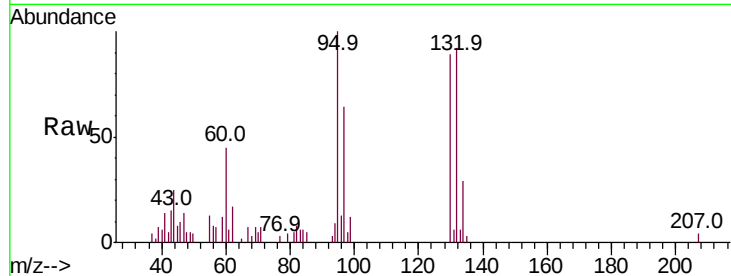




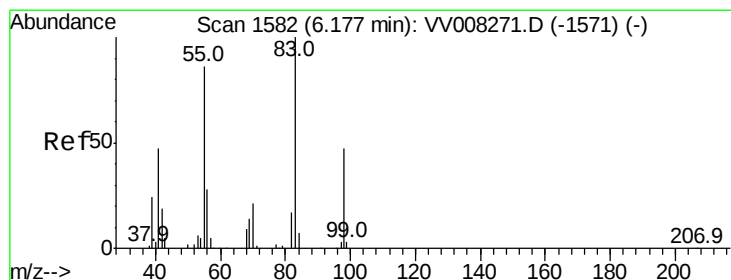
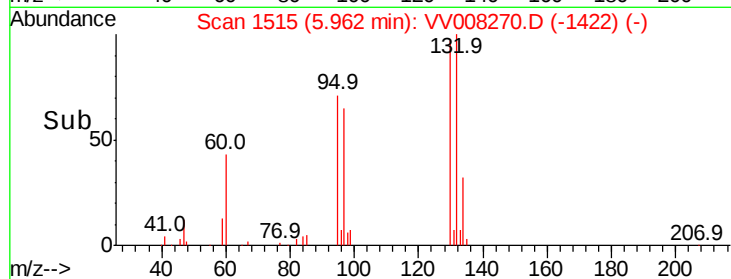
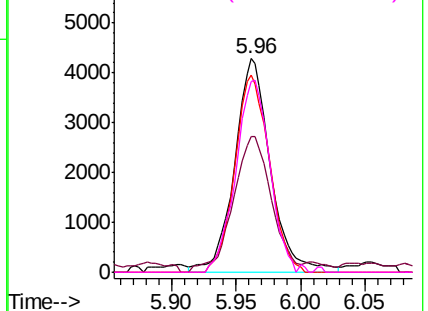
#34
 Trichloroethene
 Concen: 1.116 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 8301
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.4 82.4
 132 92.3 60.4 112.2
 130 89.3 65.5 121.7

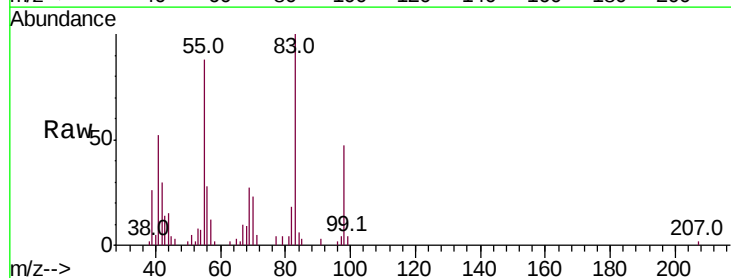


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

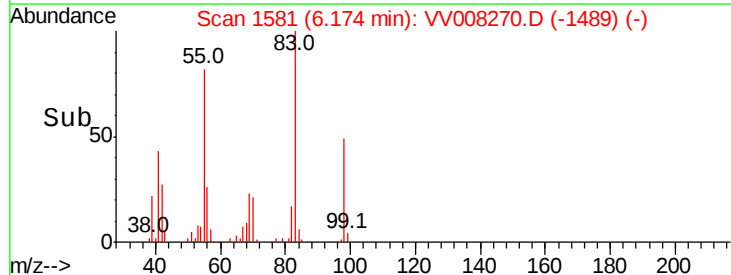
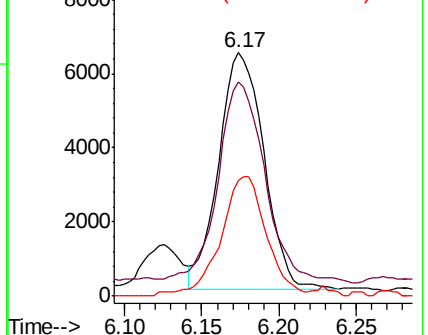


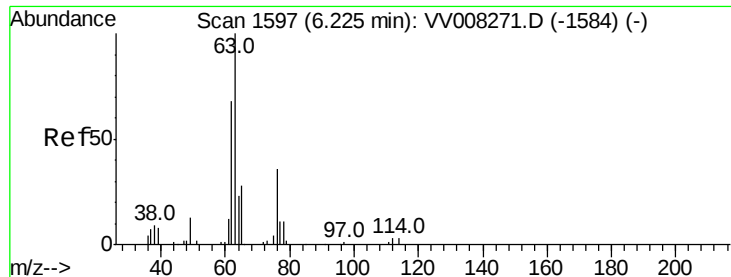
#35
 Methylcyclohexane
 Concen: 1.196 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Tgt Ion: 83 Resp: 12958
 Ion Ratio Lower Upper
 83 100
 55 88.7 64.0 96.0
 98 51.0 37.0 55.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 1.140 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

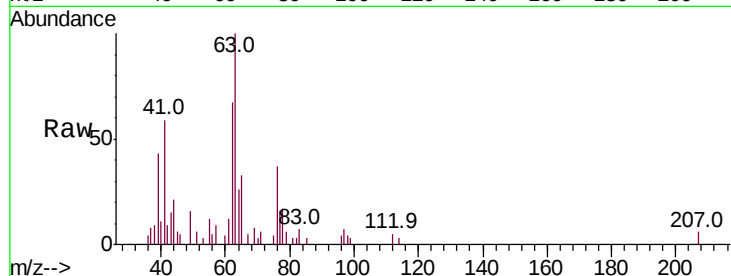
ClientSampleId :

Tot Ion: 63 Resp: 7969

Ion Ratio Lower Upper

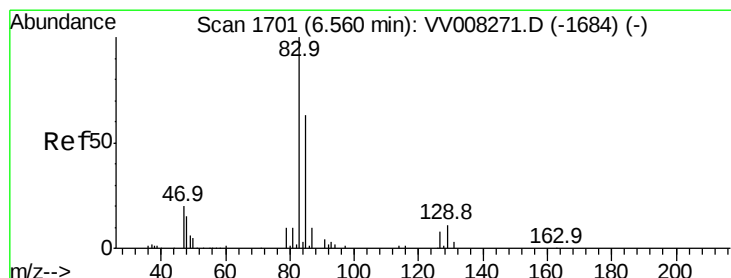
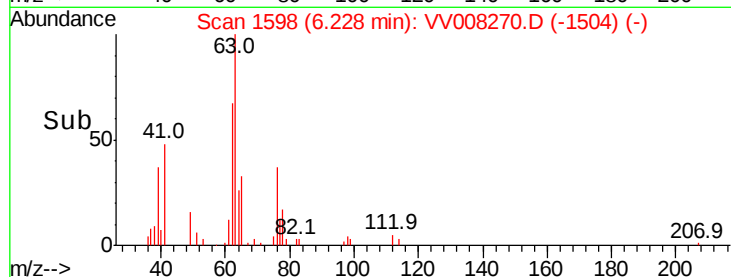
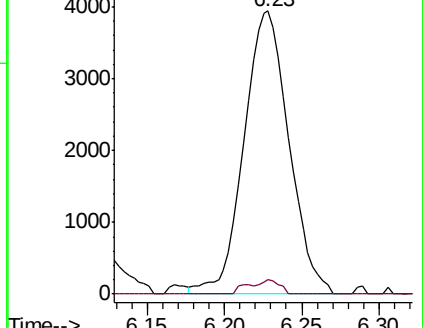
63 100

112 2.3 2.6 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VV008270.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV008270.D (-1584) (-)



#38

Bromodichloromethane

Concen: 1.010 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

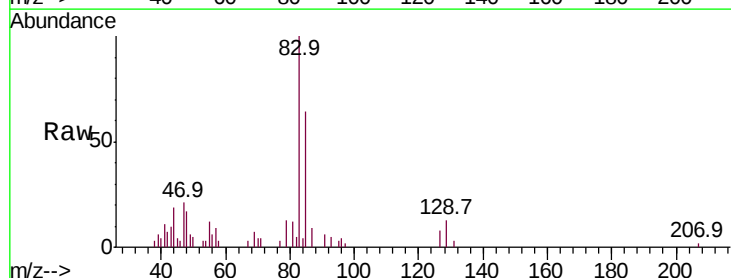
Tgt Ion: 83 Resp: 8482

Ion Ratio Lower Upper

83 100

85 63.9 44.3 82.3

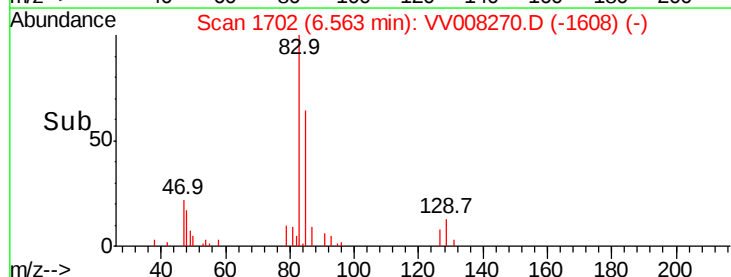
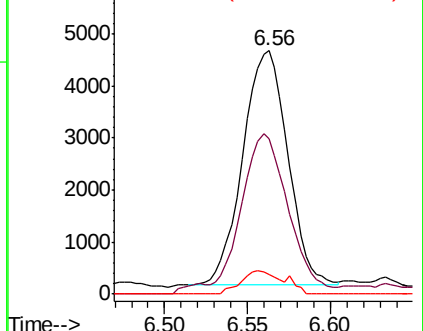
127 8.1 6.6 10.0

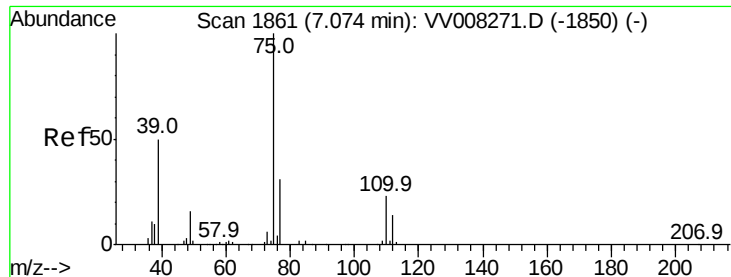


Abundance Ion 82.95 (82.65 to 83.65): VV008270.D (-1608) (-)

Ion 85.00 (84.70 to 85.70): VV008270.D (-1608) (-)

Ion 126.90 (126.60 to 127.60): VV008270.D (-1608) (-)

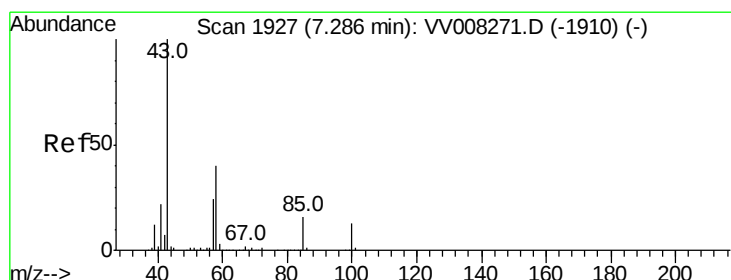
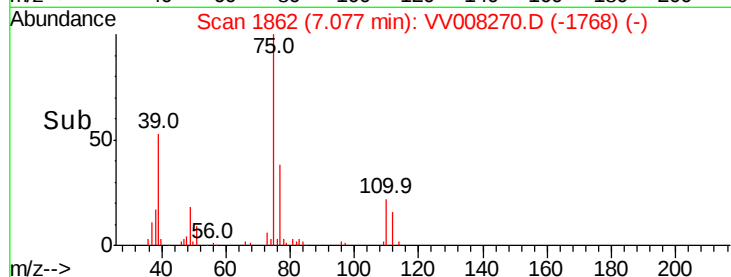
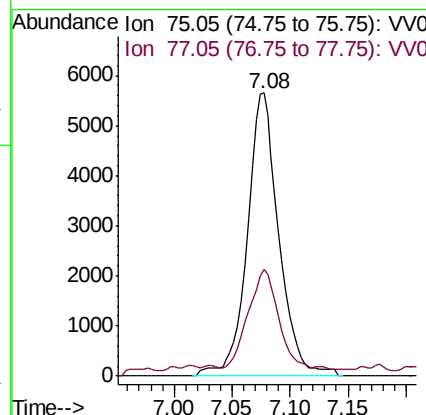
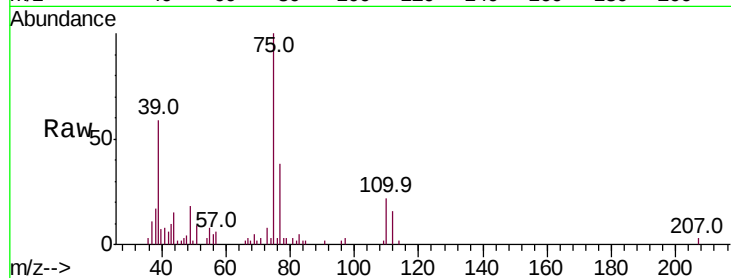




#39
 cis-1,3-Dichloropropene
 Concen: 1.173 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

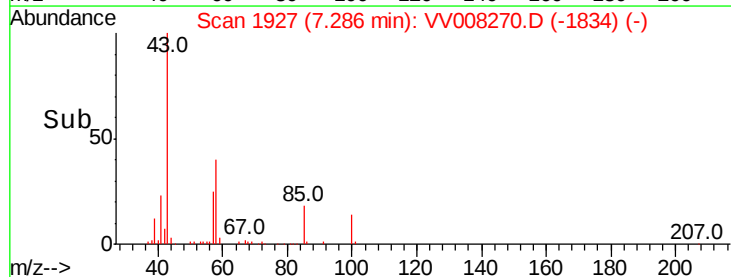
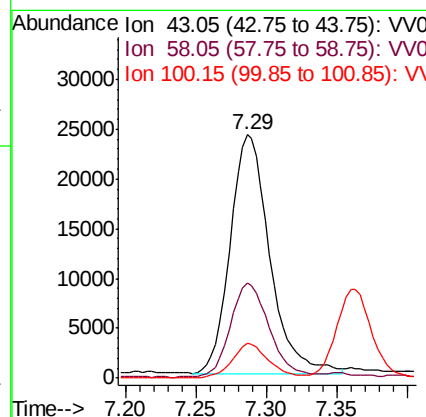
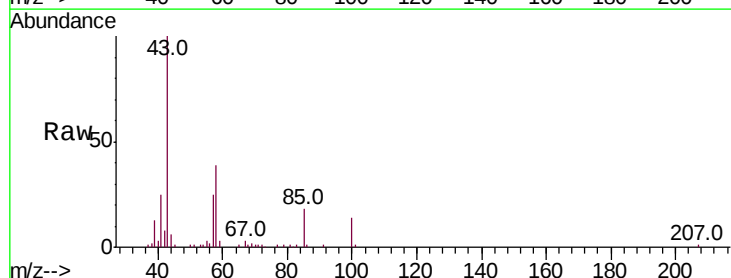
Instrument :
 MSVOA_V
 ClientSampleId :

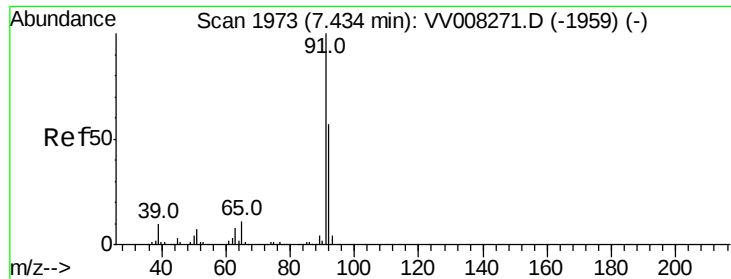
Tot Ion: 75 Resp: 10710
 Ion Ratio Lower Upper
 75 100
 77 37.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 11.564 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Tgt Ion: 43 Resp: 46868
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.3 46.9
 100 13.5 10.5 15.7





#42

Toluene

Concen: 1.117 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

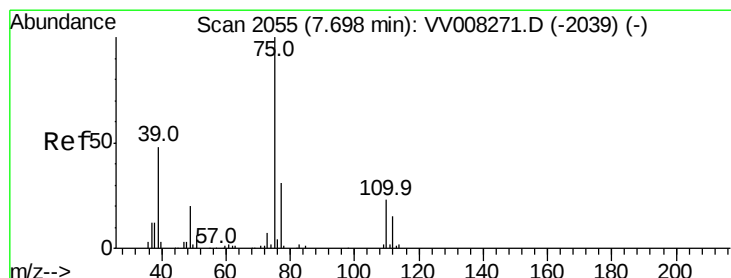
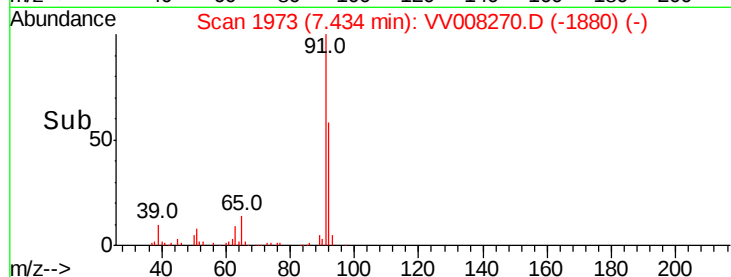
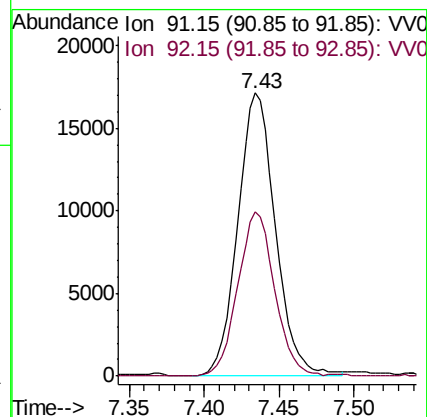
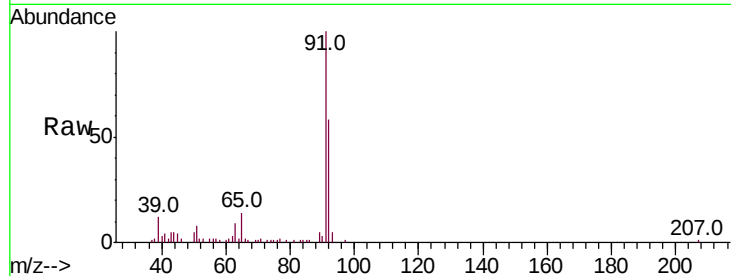
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 30036

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.142 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV008270.D

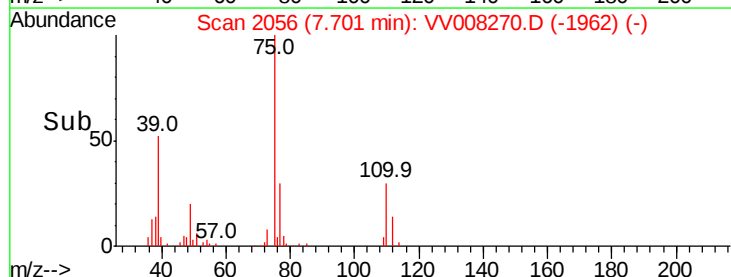
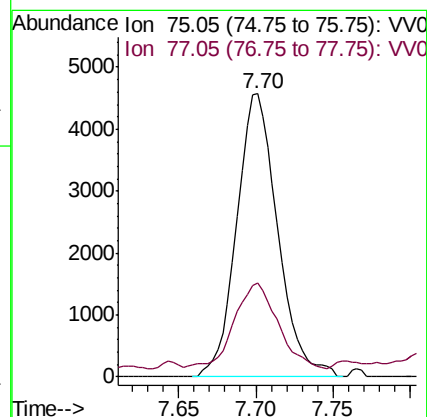
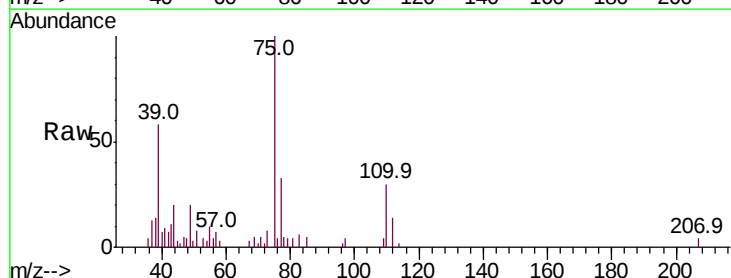
Acq: 15 Oct 2018 11:25

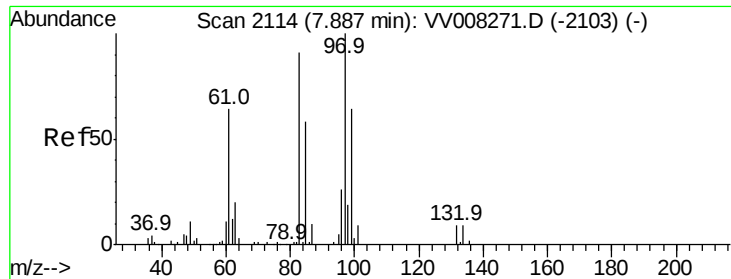
Tgt Ion: 75 Resp: 8416

Ion Ratio Lower Upper

75 100

77 33.3 22.3 41.5

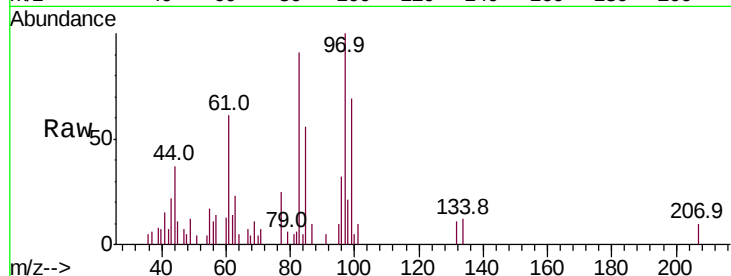




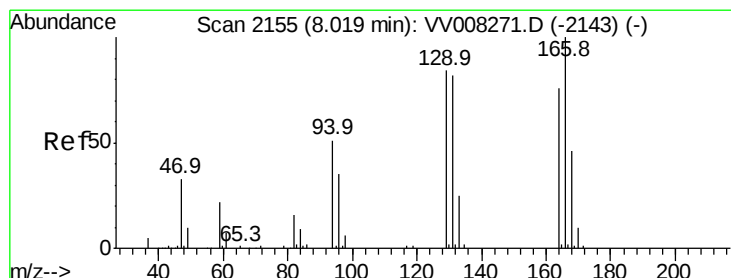
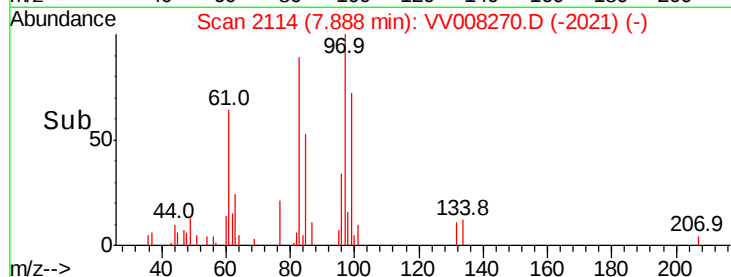
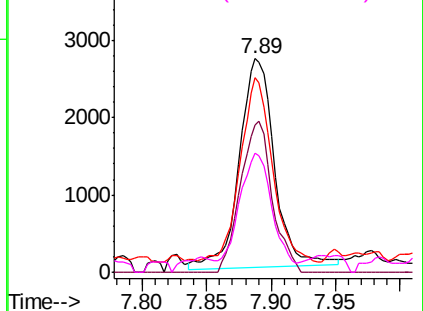
#45
1,1,2-Trichloroethane
Concen: 1.080 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 5100
Ion Ratio Lower Upper
97 100
99 68.6 44.1 81.9
83 91.4 63.7 118.3
85 55.8 40.7 75.7

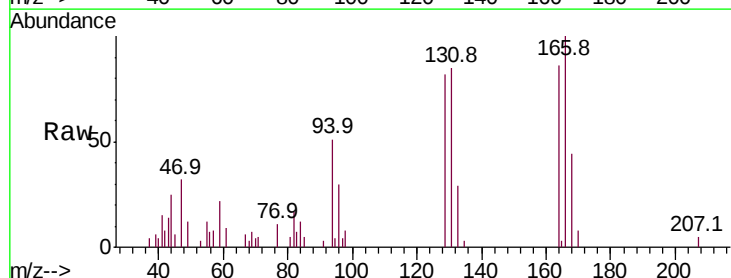


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

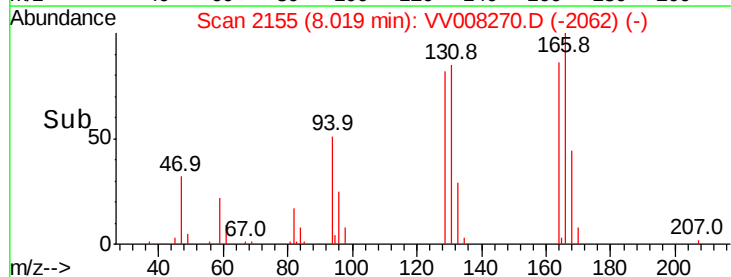
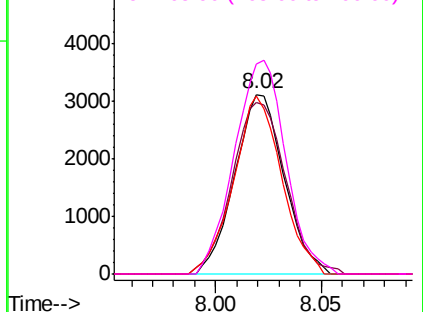


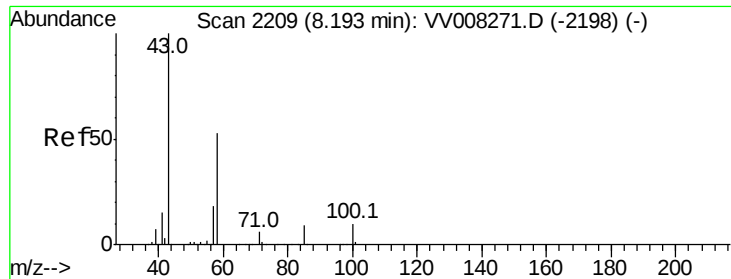
#47
Tetrachloroethene
Concen: 0.827 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

Tgt Ion:164 Resp: 5076
Ion Ratio Lower Upper
164 100
129 95.1 76.5 142.1
131 98.7 74.7 138.7
166 116.5 91.6 170.0



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

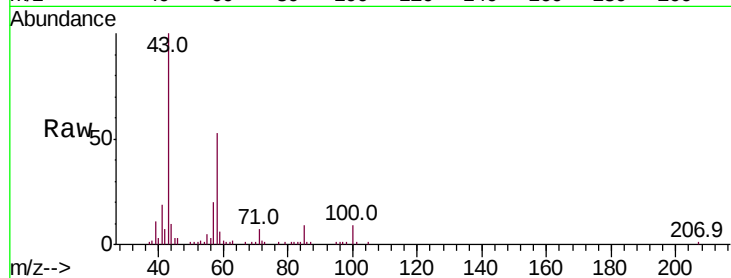




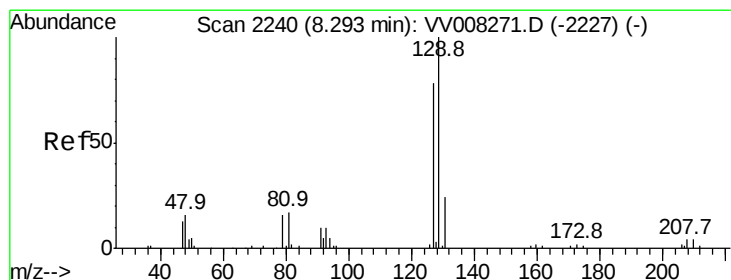
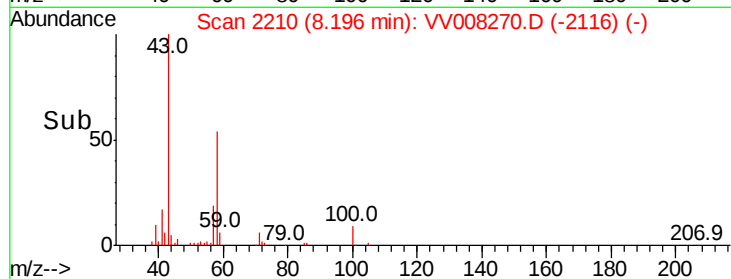
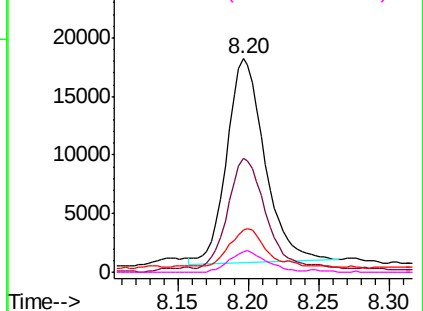
#48
2-Hexanone
Concen: 11.687 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 32800
Ion Ratio Lower Upper
43 100
58 58.3 45.0 67.4
57 16.8 14.4 21.6
100 10.2 7.9 11.9

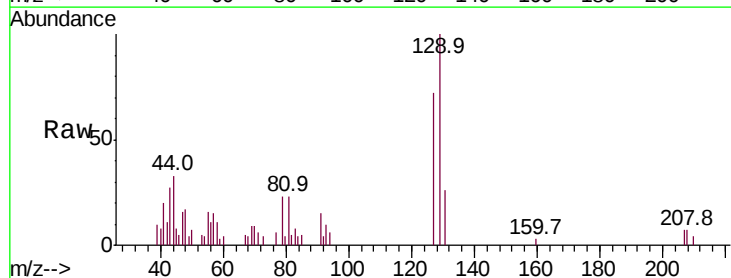


Abundance Ion 43.05 (42.75 to 43.75): VV008270.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV008270.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV008270.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV008270.D (-2198) (-)

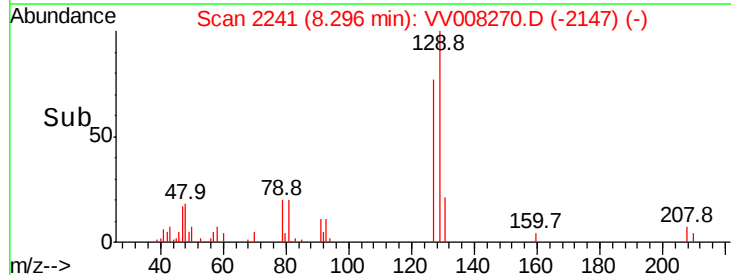
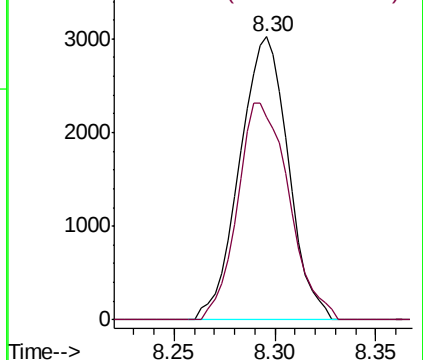


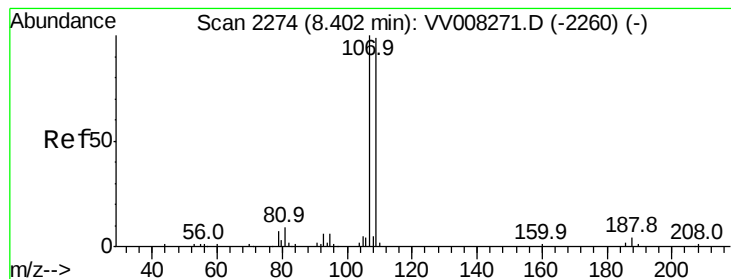
#49
Dibromochloromethane
Concen: 0.878 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008270.D
Acq: 15 Oct 2018 11:25

Tgt Ion: 129 Resp: 5099
Ion Ratio Lower Upper
129 100
127 71.8 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV008270.D (-2227) (-)
Ion 126.90 (126.60 to 127.60): VV008270.D (-2227) (-)





#50

1,2-Dibromoethane

Concen: 1.049 ug/L

RT: 8.41 min Scan# 2275

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

ClientSampleId :

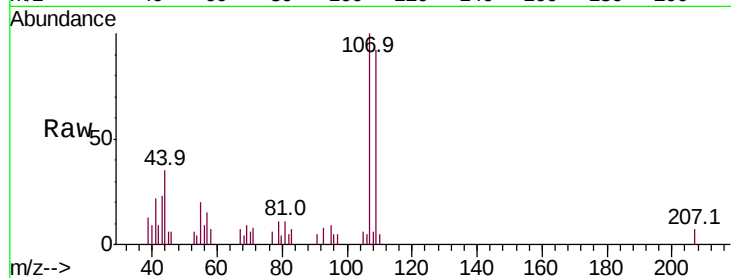
Tot Ion:107 Resp: 4530

Ion Ratio Lower Upper

107 100

109 92.0 69.6 129.2

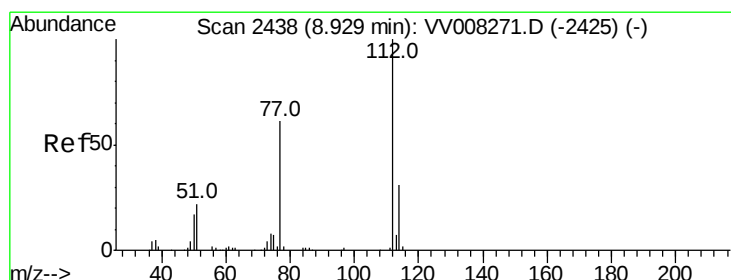
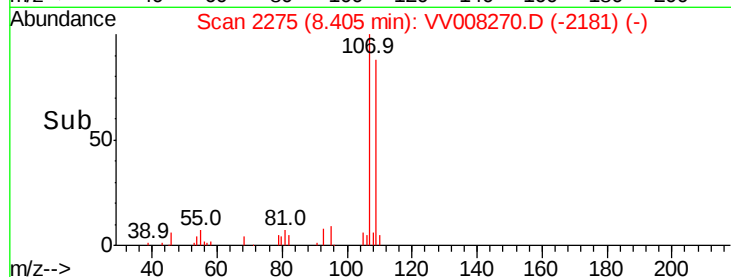
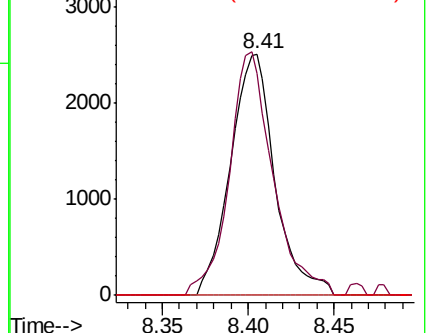
188 0.0 2.9 4.3#



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: 0.960 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

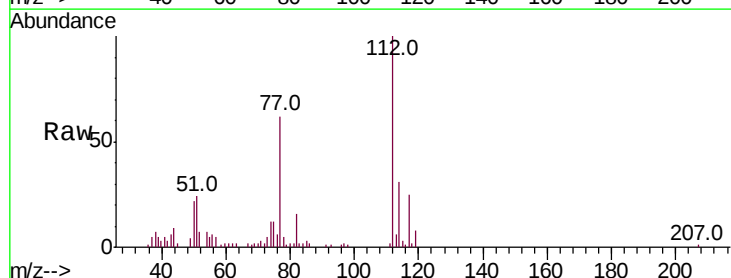
Tgt Ion:112 Resp: 17518

Ion Ratio Lower Upper

112 100

114 30.7 21.6 40.0

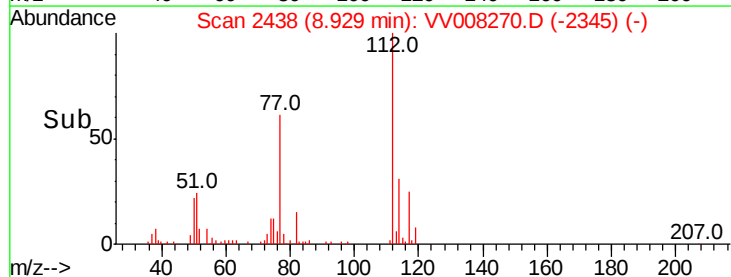
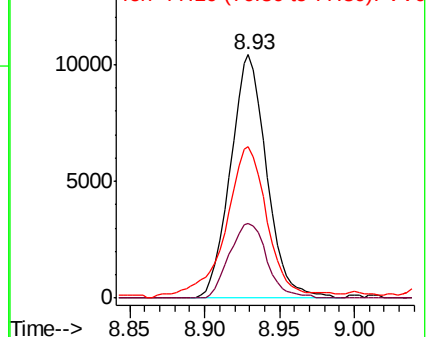
77 62.2 49.7 74.5

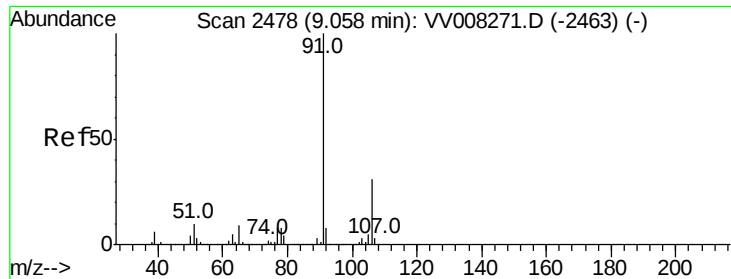


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 1.089 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

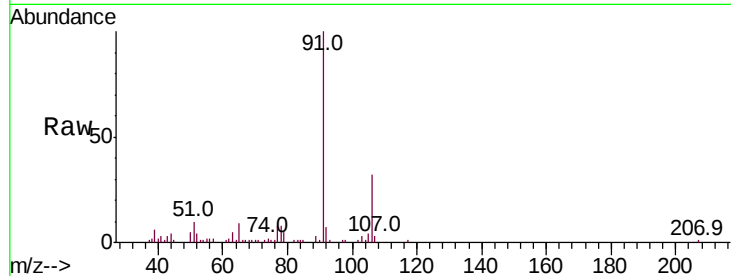
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 32078

Ion Ratio Lower Upper

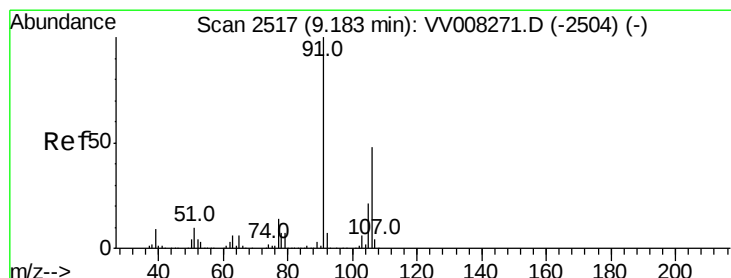
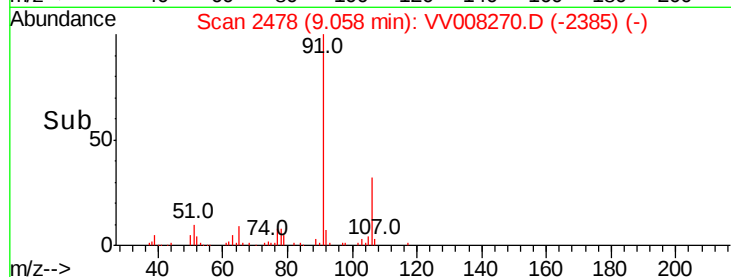
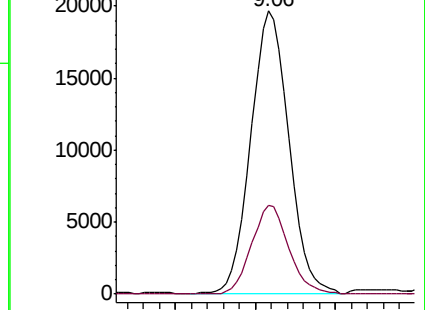
91 100

106 31.6 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV008270.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV008270.D (-2463) (-)



#53

m,p-xylene

Concen: 1.057 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008270.D

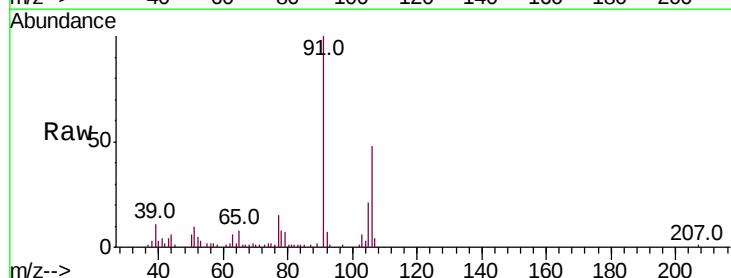
Acq: 15 Oct 2018 11:25

Tgt Ion: 106 Resp: 11711

Ion Ratio Lower Upper

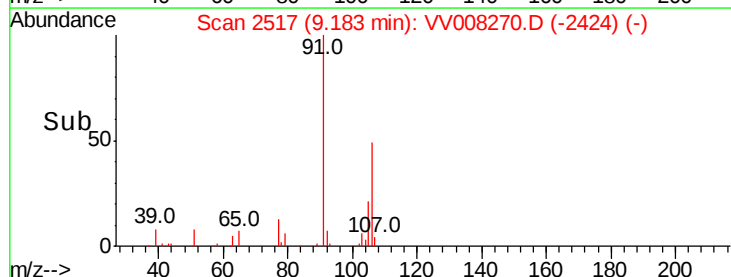
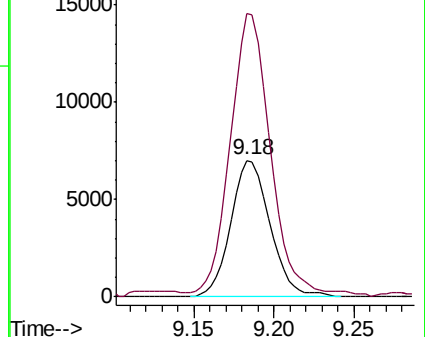
106 100

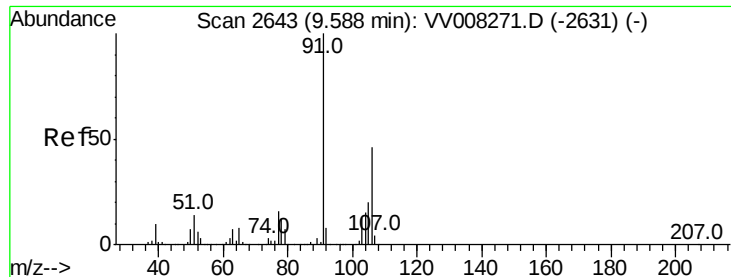
91 207.7 145.2 269.6



Abundance Ion 106.15 (105.85 to 106.85): VV008270.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008270.D (-2504) (-)





#54

o-xylene

Concen: 1.071 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

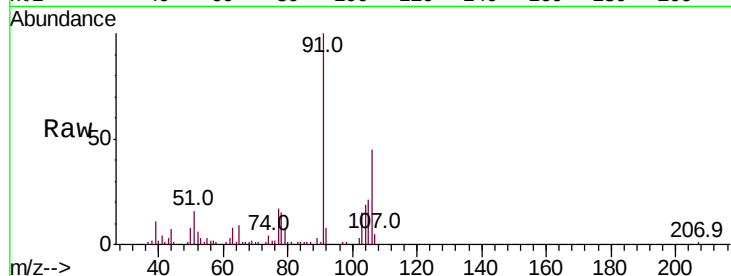
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 11410

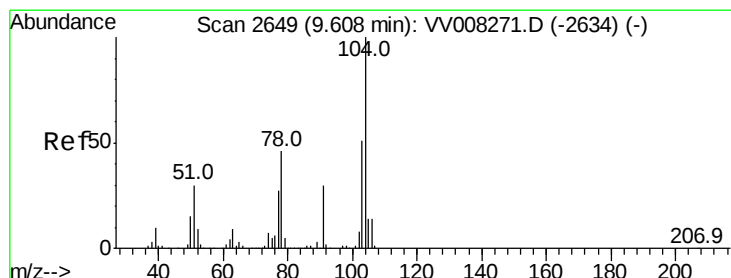
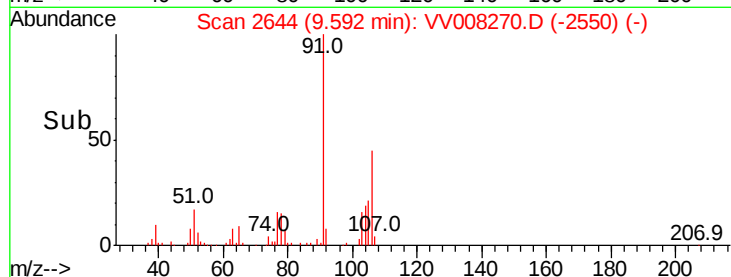
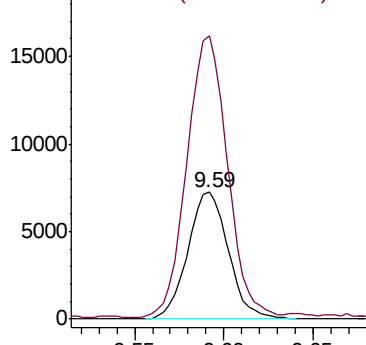
Ion Ratio Lower Upper

106 100

91 222.9 153.2 284.4



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



#55

Styrene

Concen: 1.019 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008270.D

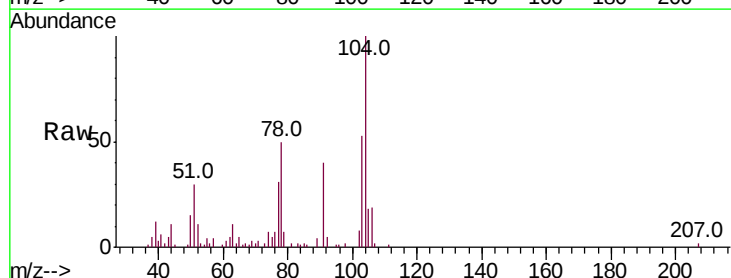
Acq: 15 Oct 2018 11:25

Tgt Ion:104 Resp: 18116

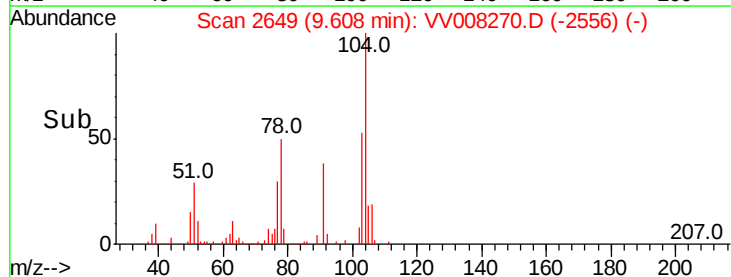
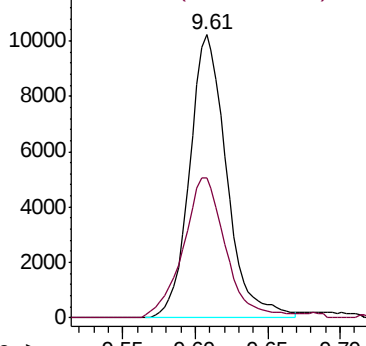
Ion Ratio Lower Upper

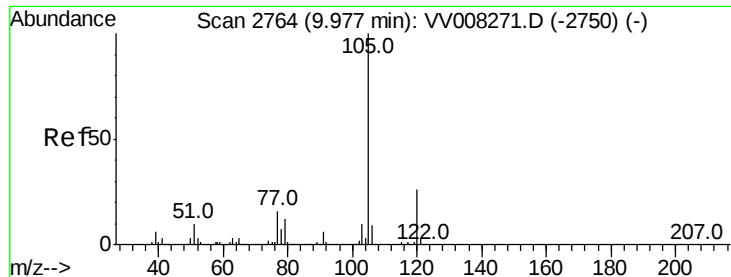
104 100

78 49.5 32.5 60.3



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





#56

Isopropylbenzene

Concen: 1.066 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :
MSVOA_V
ClientSampleId :

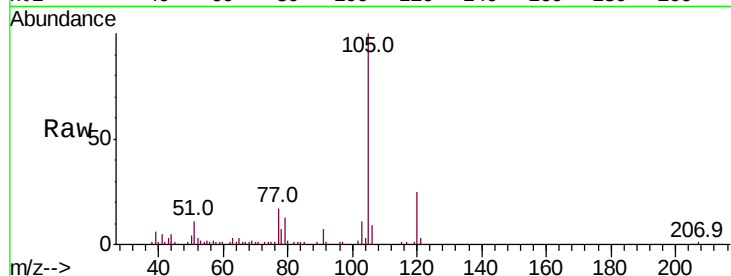
Tot Ion:105 Resp: 30748

Ion Ratio Lower Upper

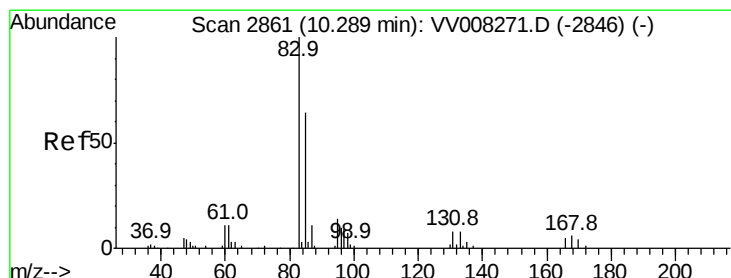
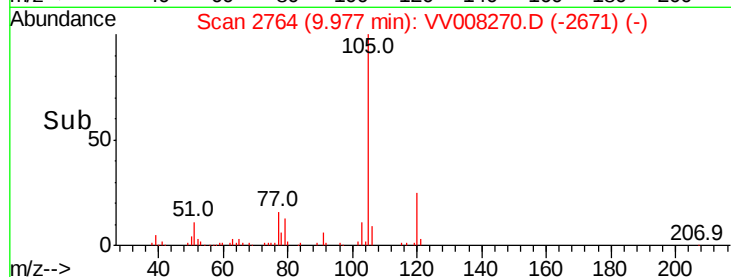
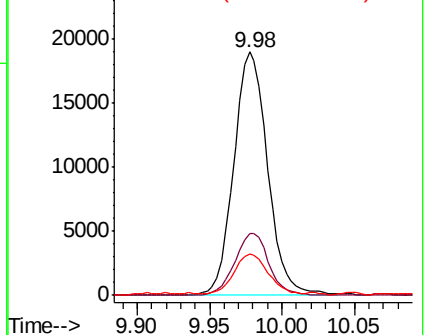
105 100

120 25.4 21.2 31.8

77 15.8 13.0 19.6



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: 0.846 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

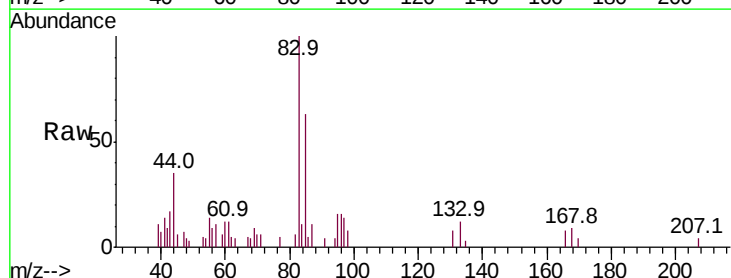
Tgt Ion: 83 Resp: 4664

Ion Ratio Lower Upper

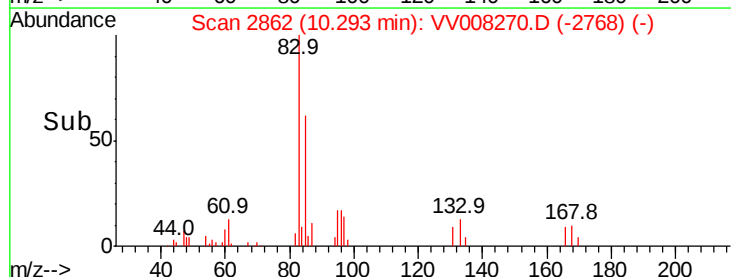
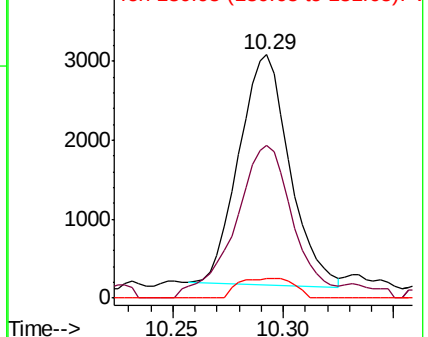
83 100

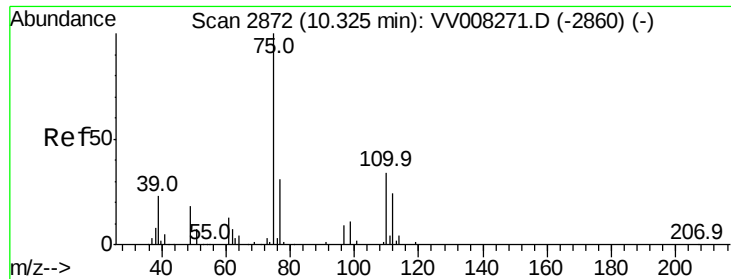
85 62.8 45.6 84.6

131 8.2 6.6 10.0



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: 1.064 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

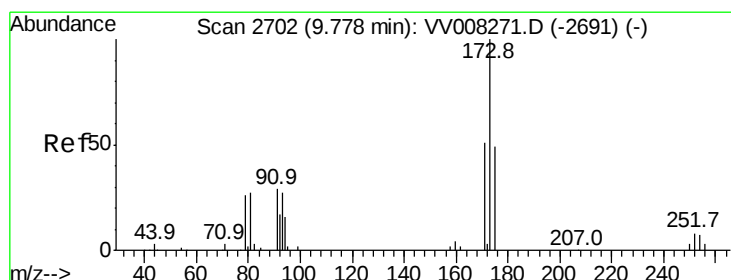
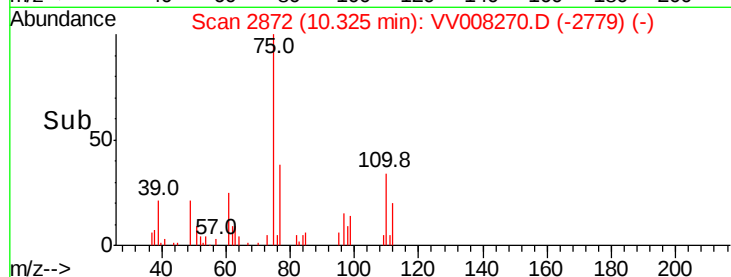
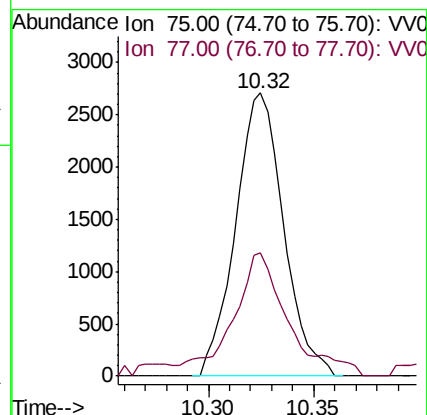
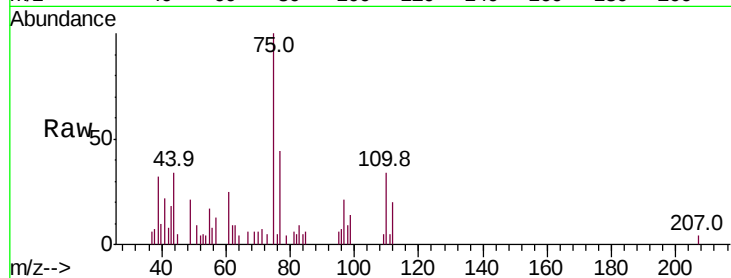
ClientSampled :

Tot Ion: 75 Resp: 4281

Ion Ratio Lower Upper

75 100

77 50.5 27.0 40.6#



#61

Bromoform

Concen: 1.013 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.01 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

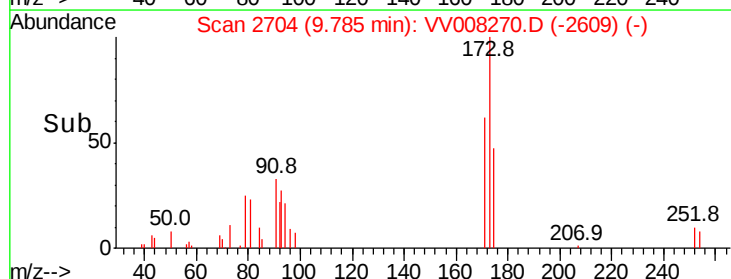
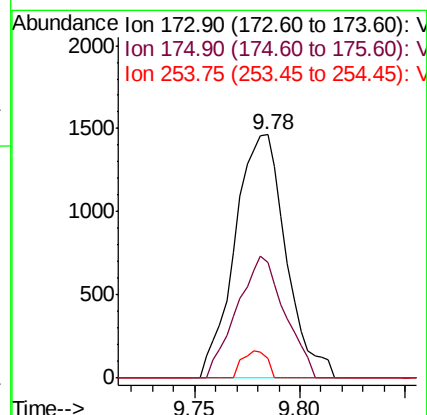
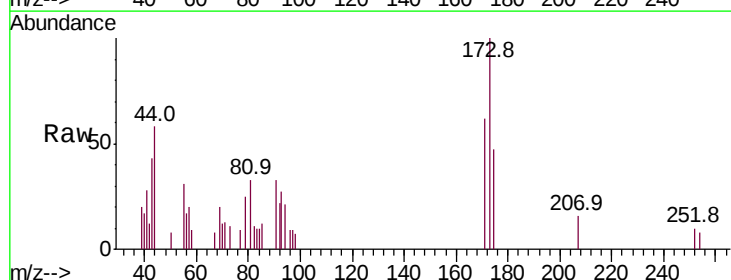
Tgt Ion: 173 Resp: 2464

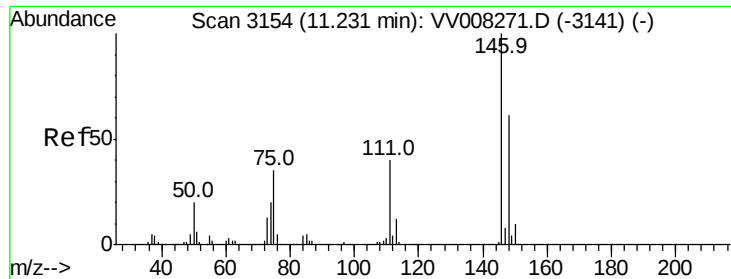
Ion Ratio Lower Upper

173 100

175 46.8 38.7 58.1

254 5.3 5.9 8.9#





#62

1,3-Dichlorobenzene

Concen: 0.976 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

ClientSampleId :

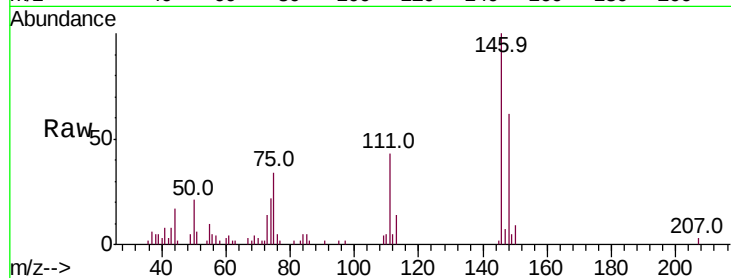
Tot Ion:146 Resp: 11395

Ion Ratio Lower Upper

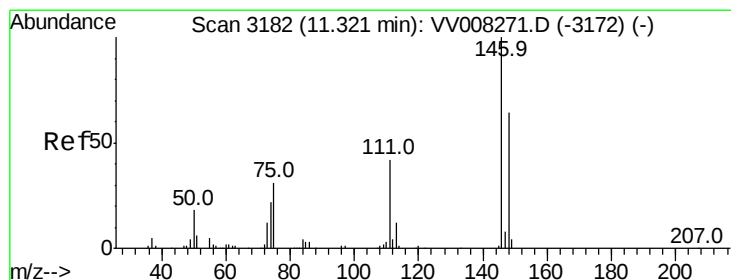
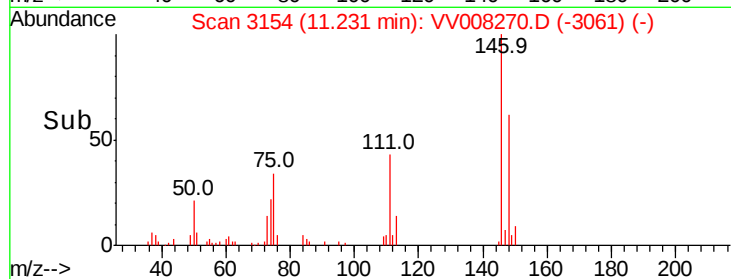
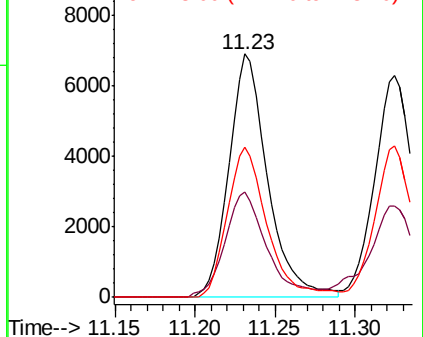
146 100

111 43.3 28.0 52.0

148 61.7 42.9 79.7



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



#63

1,4-Dichlorobenzene

Concen: 0.971 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

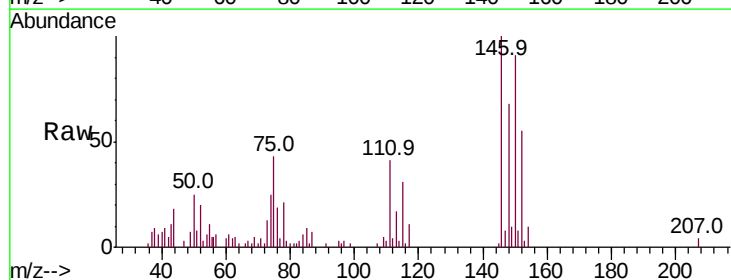
Tgt Ion:146 Resp: 11364

Ion Ratio Lower Upper

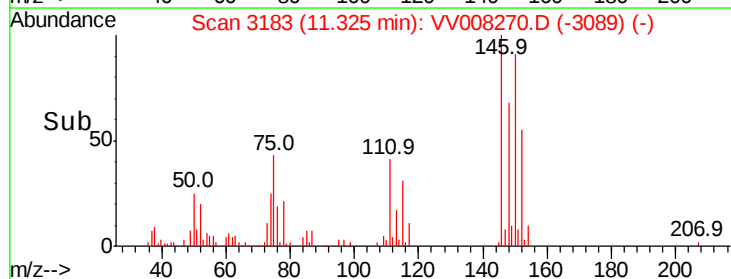
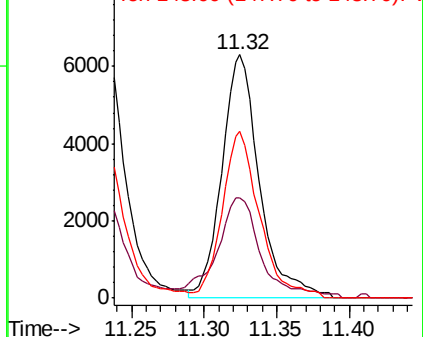
146 100

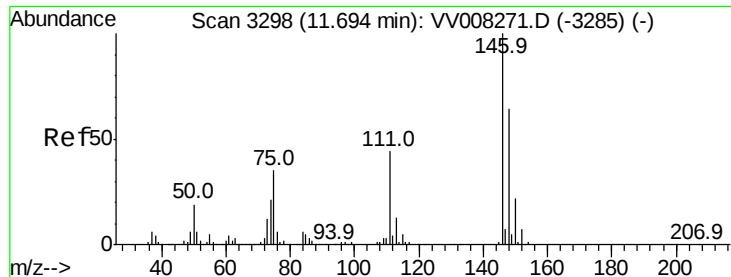
111 41.1 30.0 55.6

148 68.4 44.5 82.7



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





#65

1,2-Dichlorobenzene

Concen: 0.970 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

ClientSampled :

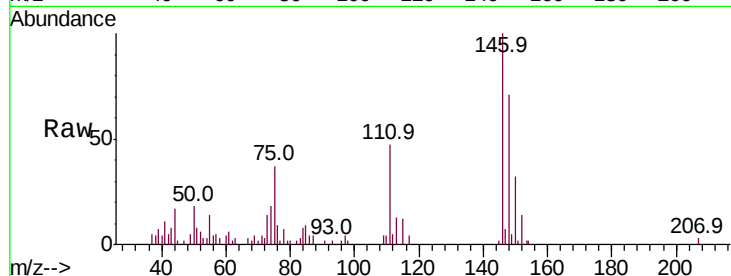
Tot Ion:146 Resp: 10906

Ion Ratio Lower Upper

146 100

111 46.5 35.5 53.3

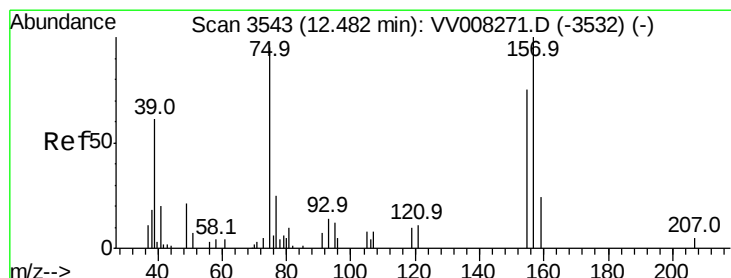
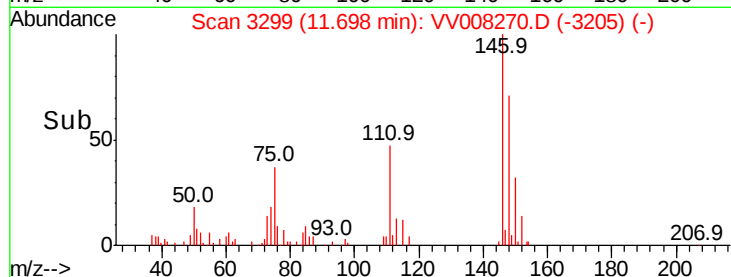
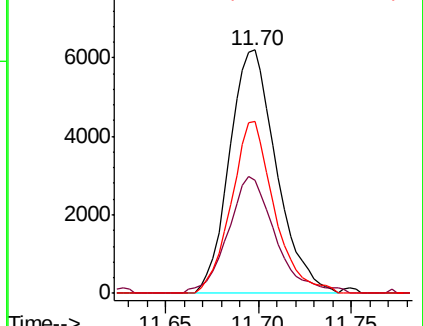
148 70.8 51.5 77.3



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: 1.352 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

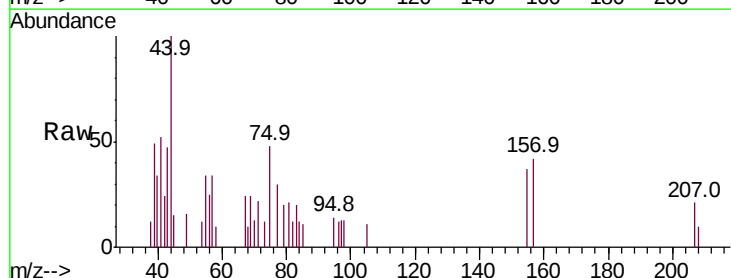
Tgt Ion: 75 Resp: 857

Ion Ratio Lower Upper

75 100

155 77.2 63.6 95.4

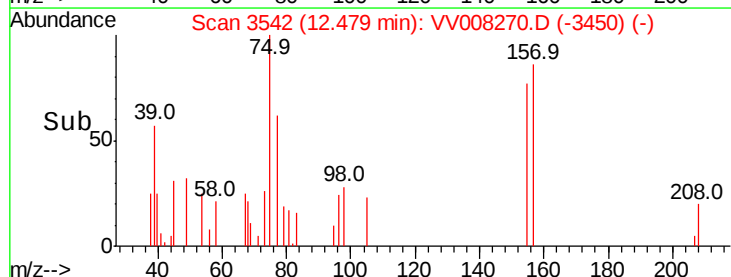
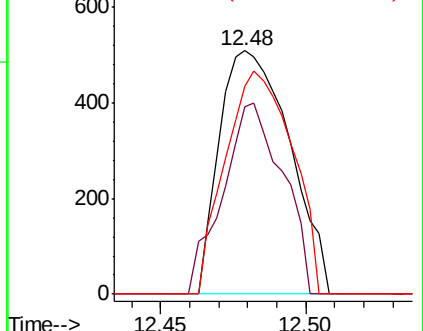
157 85.7 84.3 126.5

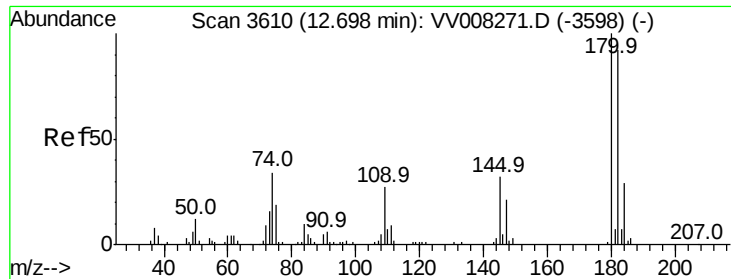


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

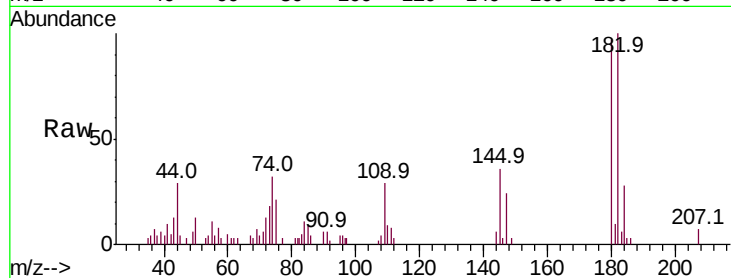




#67
 1,3,5-Trichlorobenzene
 Concen: 0.719 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	6779
Ion	Ratio	Lower	Upper
180	100		
182	98.7	74.5	111.7
184	28.2	23.5	35.3
145	35.3	25.9	38.9



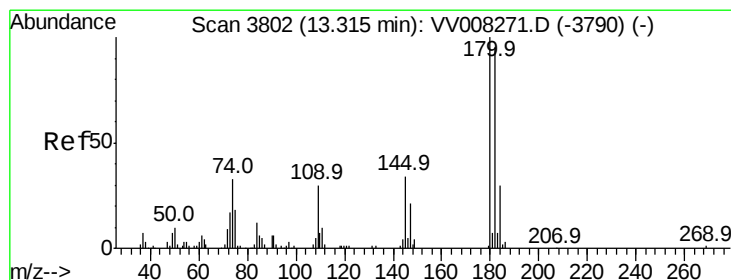
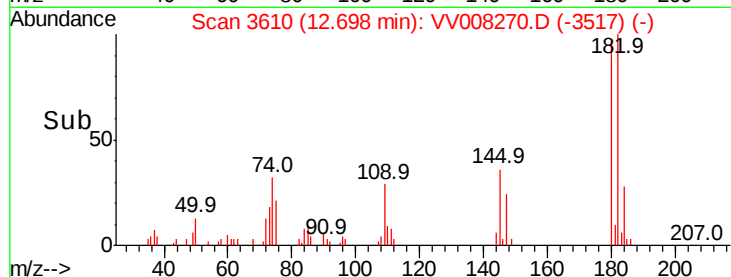
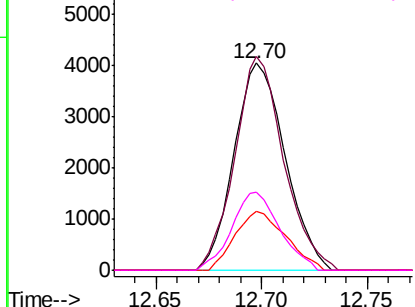
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

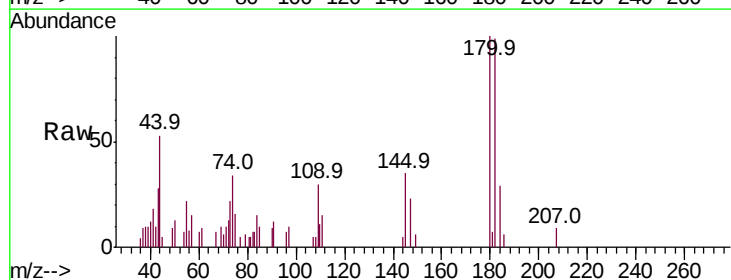
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.610 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV008270.D
 Acq: 15 Oct 2018 11:25

Tgt Ion:	180	Resp:	4222
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.3	112.9
145	35.6	26.1	39.1

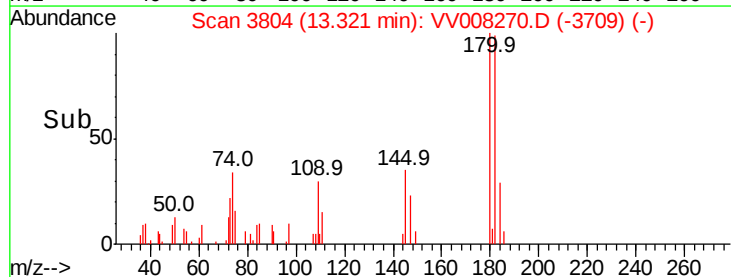
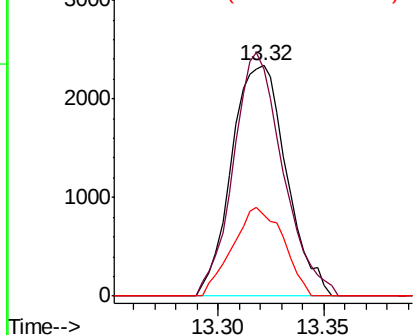


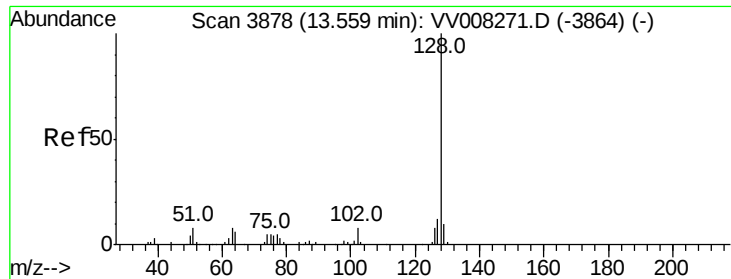
Abundance

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: 0.890 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

Instrument :

MSVOA_V

ClientSampleId :

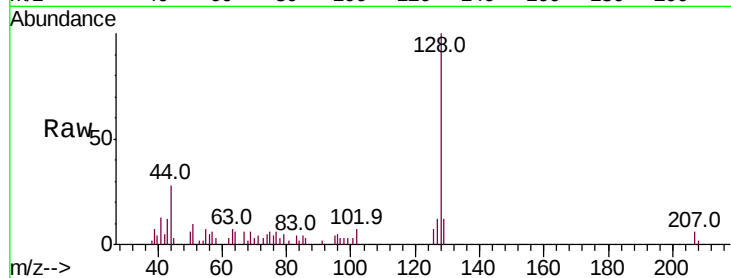
Tot Ion:128 Resp: 8522

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

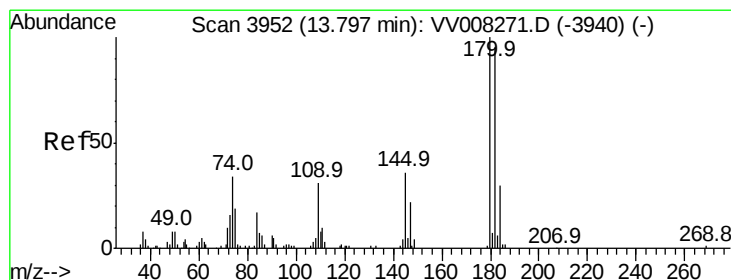
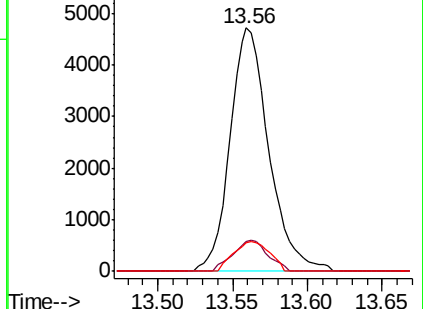
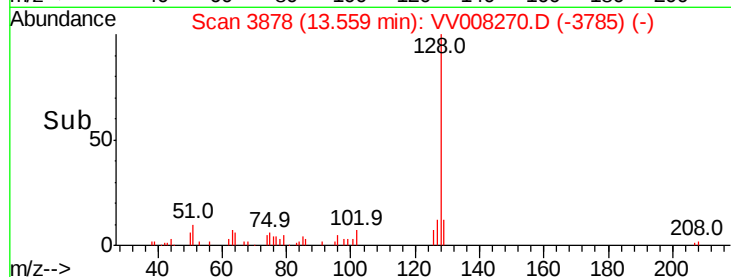
127 11.3 10.1 15.1



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: 0.661 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008270.D

Acq: 15 Oct 2018 11:25

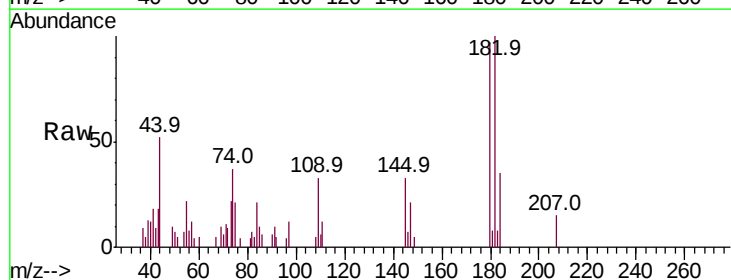
Tgt Ion:180 Resp: 4378

Ion Ratio Lower Upper

180 100

182 101.0 75.8 113.8

145 33.0 28.3 42.5



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

