

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007517.D
 Acq On : 13 Sep 2018 18:49
 Operator : SY/MD
 Sample : VSTD02069
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 04:09:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	131808	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122430	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68878	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131263	18.87	ug/L	0.00
7) Chloroethane-d5	1.58	69	116650	19.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	283744	19.94	ug/L	0.00
20) 2-Butanone-d5	3.96	46	256090	180.48	ug/L	0.00
24) Chloroform-d	4.41	84	286250	20.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	143437	19.83	ug/L	0.00
32) Benzene-d6	5.10	84	556875	20.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	162678	19.61	ug/L	0.00
41) Toluene-d8	7.36	98	591227	20.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	80215	19.56	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	163087	177.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	126870	20.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	247642	20.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	141927	19.081 ug/L	99
3) Chloromethane	1.25	50	121098	18.208 ug/L	96
5) Vinyl chloride	1.32	62	137133	18.040 ug/L	97
6) Bromomethane	1.54	94	100999	19.712 ug/L	98
8) Chloroethane	1.60	64	91299	20.109 ug/L	94
9) Trichlorofluoromethane	1.77	101	281584	20.754 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	149411	19.316 ug/L	99
12) 1,1-Dichloroethene	2.14	96	130524	19.163 ug/L	90
13) Acetone	2.21	43	165150	198.793 ug/L	99
14) Carbon disulfide	2.32	76	394122	19.070 ug/L	100
15) Methyl Acetate	2.47	43	40580	17.579 ug/L	93
16) Methylene chloride	2.54	84	130795	18.045 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	320883	18.826 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	143647	19.556 ug/L	98
19) 1,1-Dichloroethane	3.23	63	211468	18.068 ug/L	100
21) 2-Butanone	4.05	43	277362	204.045 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	143962	20.250 ug/L	# 95
23) Bromochloromethane	4.31	128	65089	19.193 ug/L	98
25) Chloroform	4.43	83	243781	20.047 ug/L	99
27) 1,2-Dichloroethane	5.19	62	147923	19.624 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	235545	18.943 ug/L	99
30) Cyclohexane	4.72	56	202431	18.424 ug/L	97
31) Carbon tetrachloride	4.88	117	222194	19.401 ug/L	99
33) Benzene	5.15	78	509004	19.307 ug/L	100
34) Trichloroethene	5.96	95	153580	19.182 ug/L	98
35) Methylcyclohexane	6.18	83	242143	19.573 ug/L	98
37) 1,2-Dichloropropane	6.23	63	125071	18.990 ug/L	98
38) Bromodichloromethane	6.56	83	180890	19.179 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	207460	19.434 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	704804	186.466 ug/L	99

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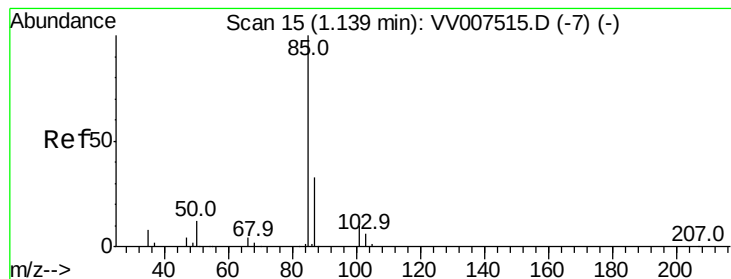
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 04:11:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 04:09:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	602701	20.503	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	172637	19.316	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	92445	18.200	ug/L	99
47) Tetrachloroethene	8.02	164	144058	20.881	ug/L	99
48) 2-Hexanone	8.19	43	521605	190.070	ug/L	96
49) Dibromochloromethane	8.30	129	143057	20.456	ug/L	98
50) 1,2-Dibromoethane	8.40	107	94273	19.077	ug/L	97
51) Chlorobenzene	8.93	112	409592	20.394	ug/L	100
52) Ethylbenzene	9.06	91	692700	20.606	ug/L	99
53) m,p-xylene	9.19	106	270651	20.605	ug/L	98
54) o-xylene	9.59	106	265590	20.782	ug/L	100
55) Styrene	9.61	104	449295	21.421	ug/L	97
56) Isopropylbenzene	9.98	105	729250	21.186	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	102338	18.936	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	78494	18.371	ug/L	96
61) Bromoform	9.78	173	88337	18.954	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	358622	20.486	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	356138	20.447	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	329333	20.045	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	19311	16.570	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	298227	22.139	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	246246	24.229	ug/L	99
69) Naphthalene	13.56	128	342832	22.488	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	216872	22.819	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.081 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :

MSVOA_V

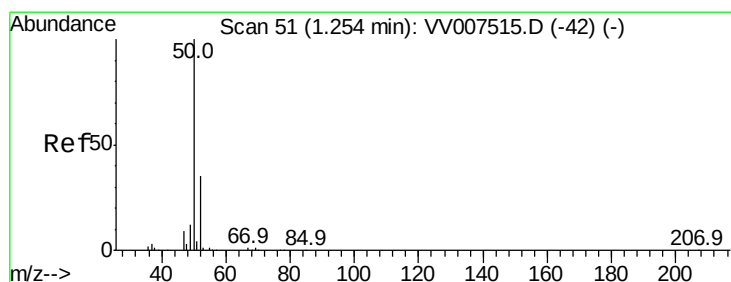
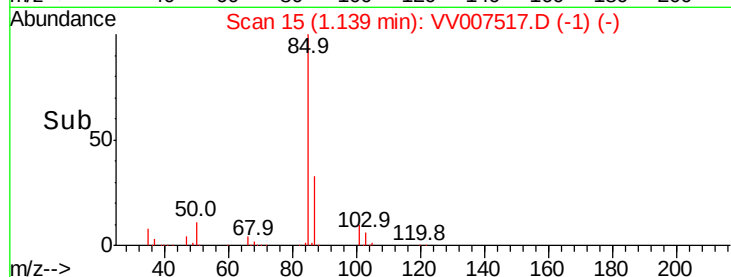
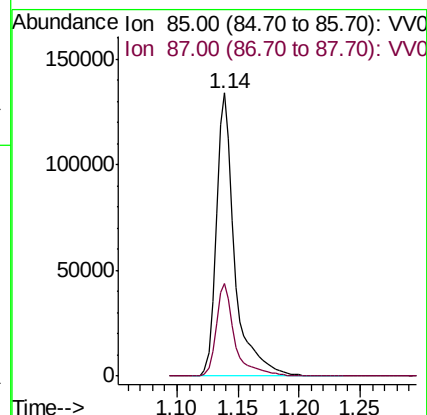
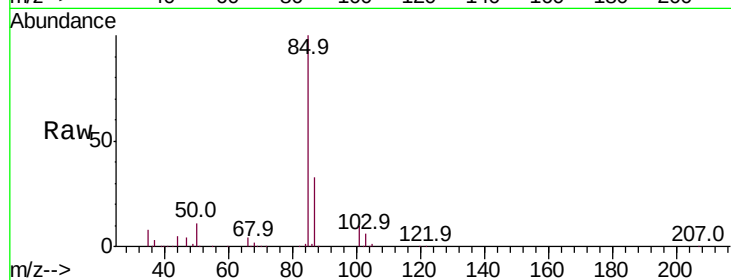
ClientSampleId :

Tot Ion: 85 Resp: 141927

Ion Ratio Lower Upper

85 100

87 32.7 25.8 38.6



#3

Chloromethane

Concen: 18.208 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007517.D

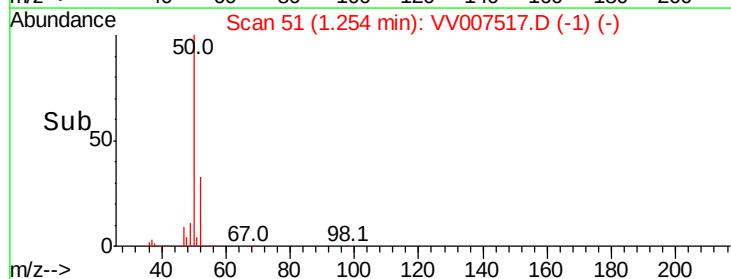
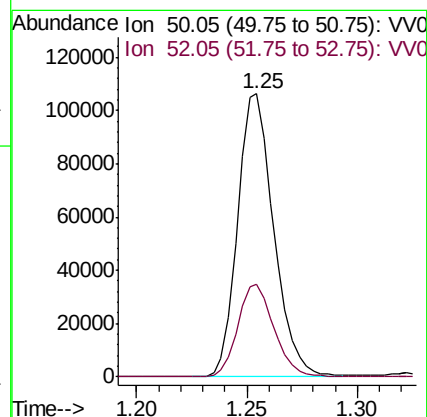
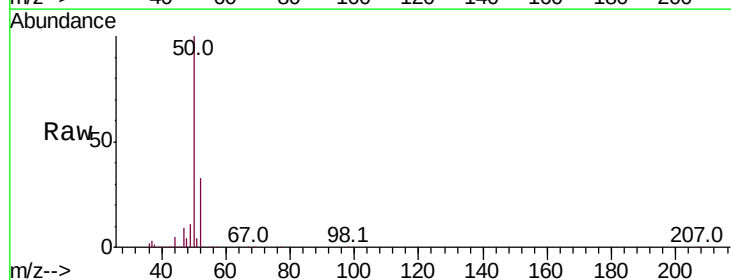
Acq: 13 Sep 2018 18:49

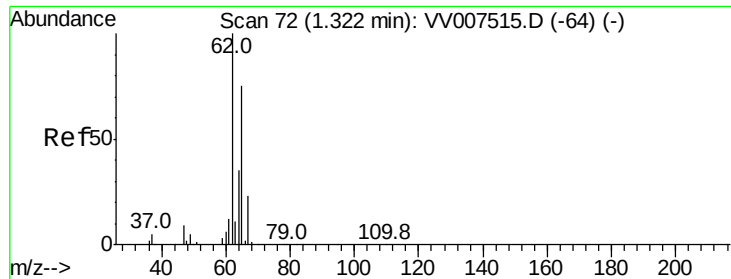
Tgt Ion: 50 Resp: 121098

Ion Ratio Lower Upper

50 100

52 32.5 24.3 45.1





#5

Vinyl chloride

Concen: 18.040 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :

MSVOA_V

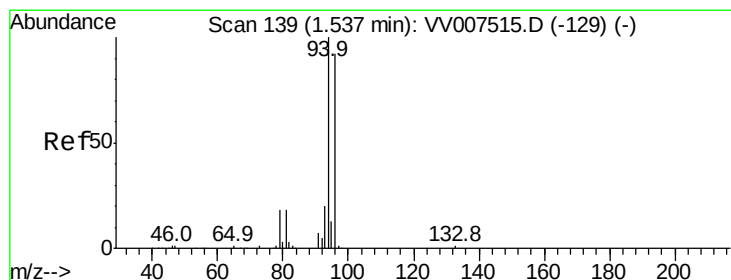
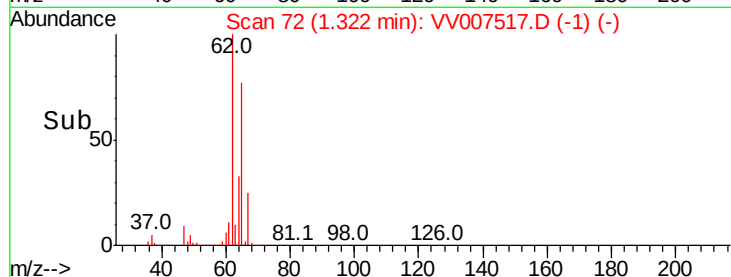
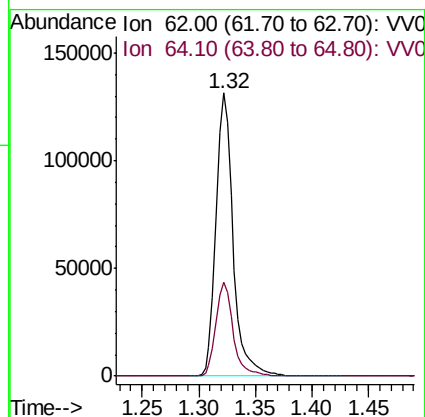
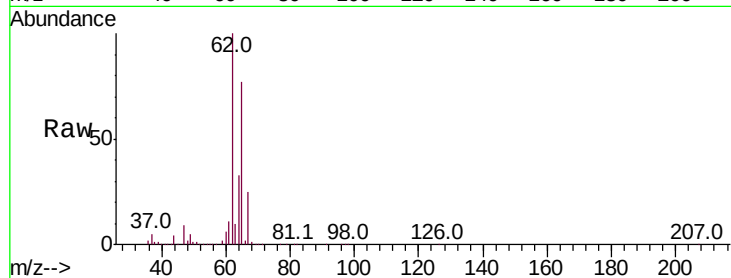
ClientSampleId :

Tot Ion: 62 Resp: 137133

Ion Ratio Lower Upper

62 100

64 33.0 24.4 45.2



#6

Bromomethane

Concen: 19.712 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007517.D

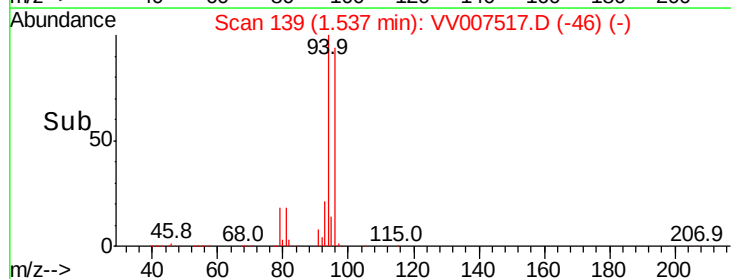
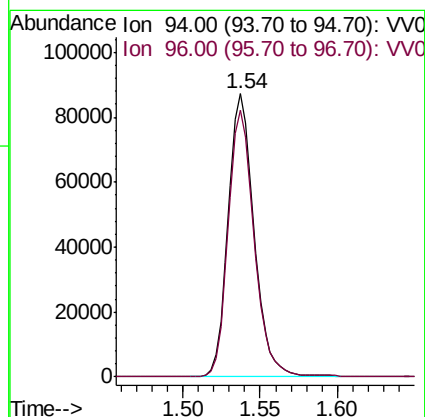
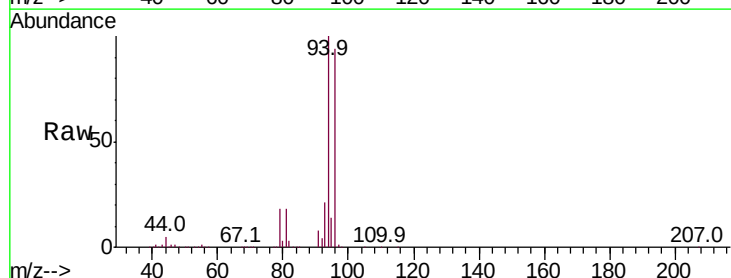
Acq: 13 Sep 2018 18:49

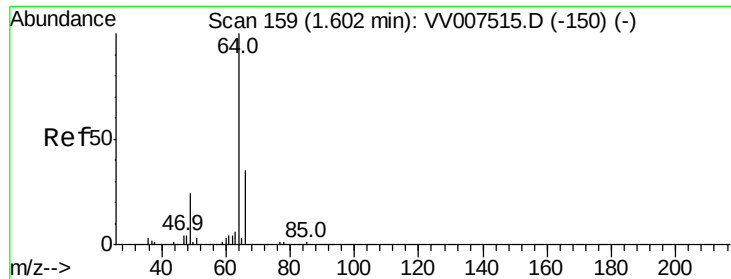
Tgt Ion: 94 Resp: 100999

Ion Ratio Lower Upper

94 100

96 94.4 64.5 119.7





#8

Chloroethane

Concen: 20.109 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

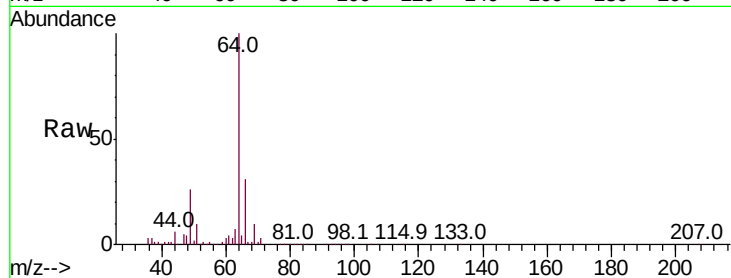
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 91299

Ion Ratio Lower Upper

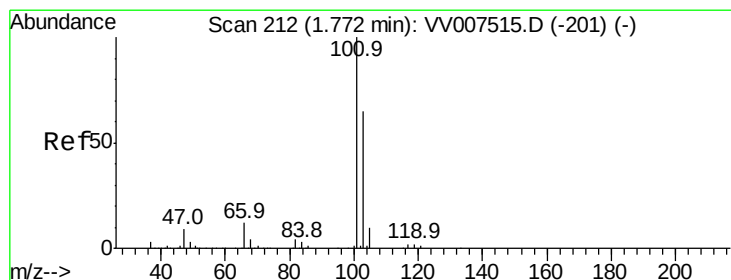
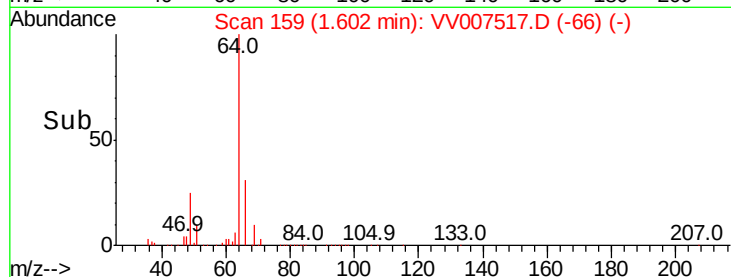
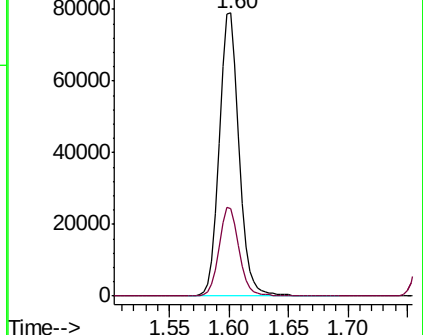
64 100

66 31.2 24.3 45.1



Abundance Ion 64.10 (63.80 to 64.80): VV007517.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007517.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 20.754 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV007517.D

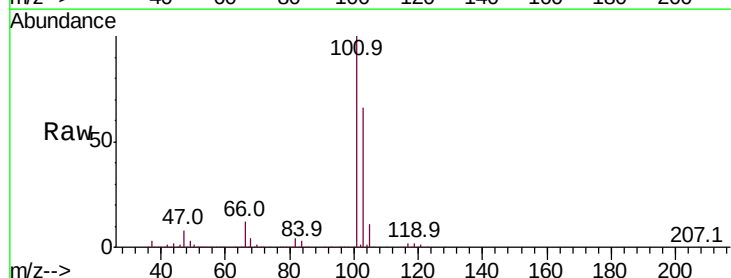
Acq: 13 Sep 2018 18:49

Tgt Ion:101 Resp: 281584

Ion Ratio Lower Upper

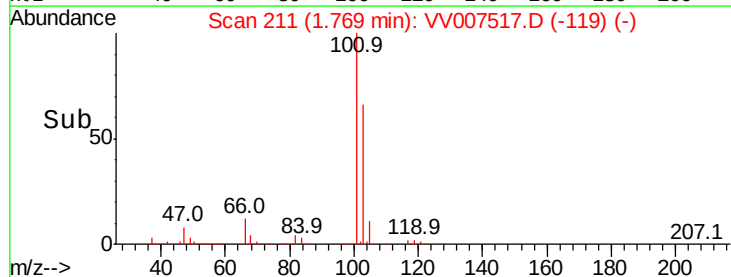
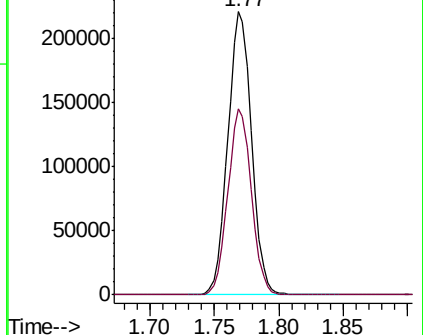
101 100

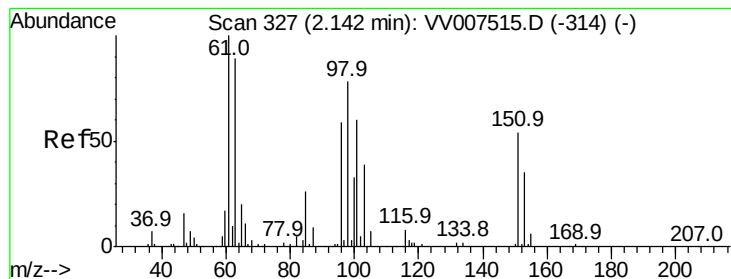
103 65.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV007517.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV007517.D (-201) (-)





#10

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

Concen: 19.316 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :

MSVOA_V

ClientSampled :

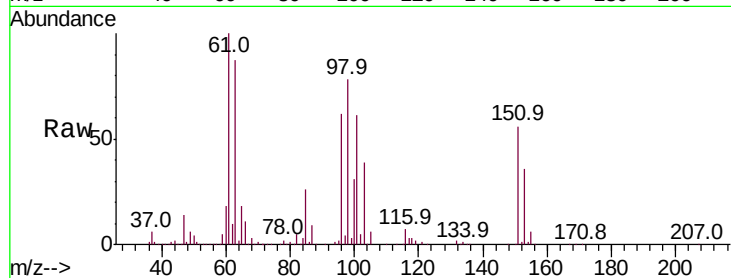
Tot Ion:101 Resp: 149411

Ion Ratio Lower Upper

101 100

85 43.1 34.8 52.2

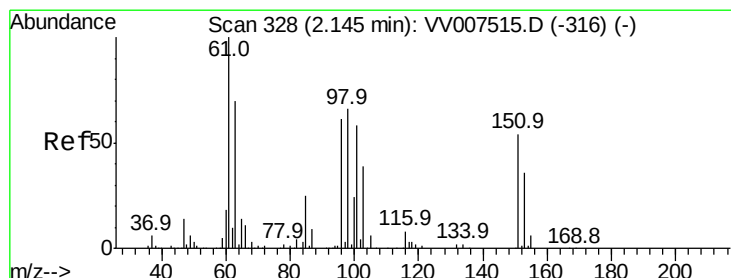
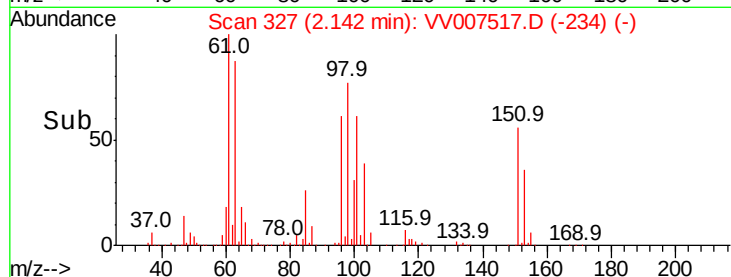
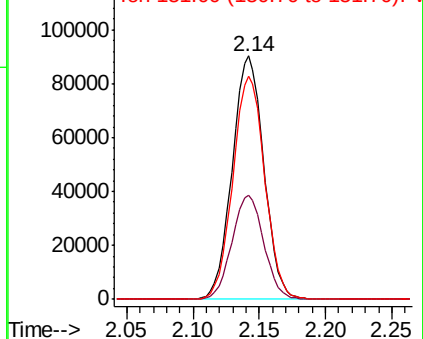
151 92.4 72.6 109.0



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: 19.163 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

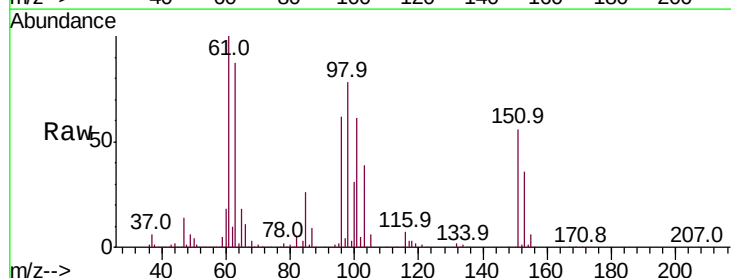
Tgt Ion: 96 Resp: 130524

Ion Ratio Lower Upper

96 100

61 162.4 114.8 213.2

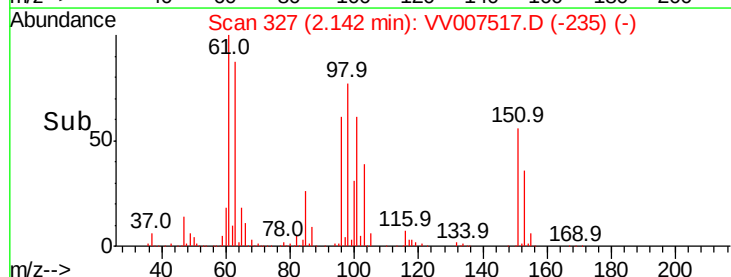
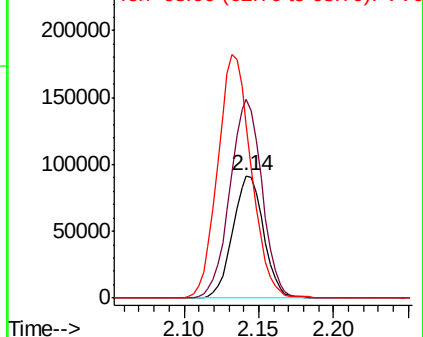
63 141.2 81.8 151.8

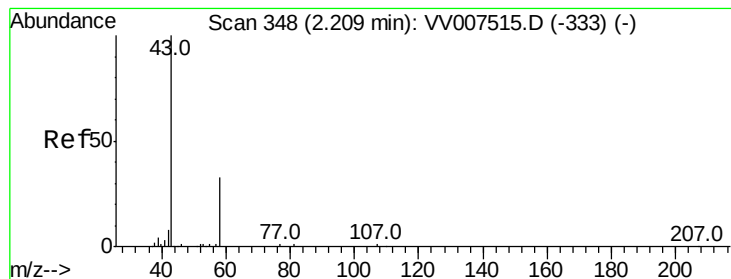


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 198.793 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

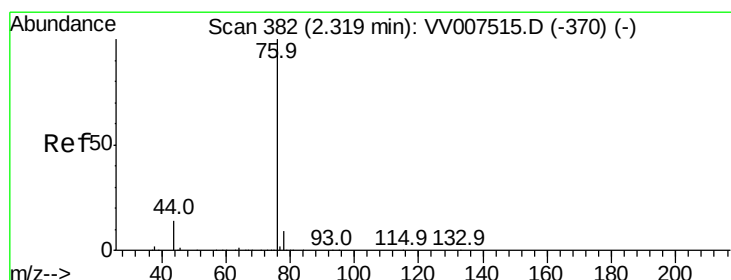
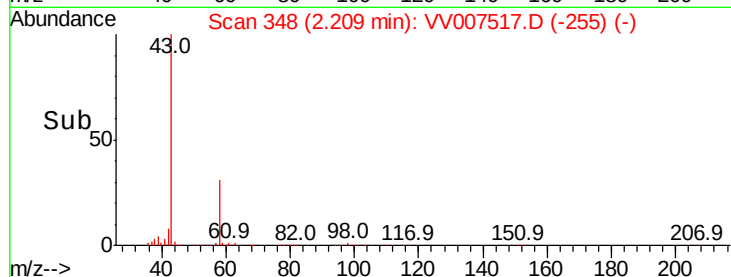
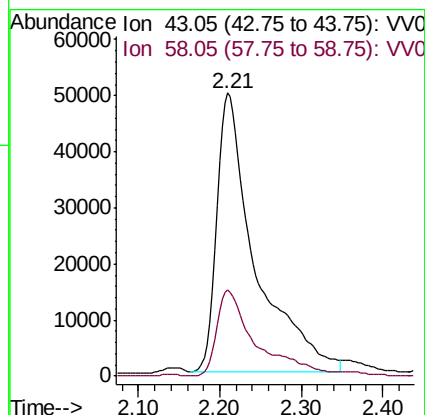
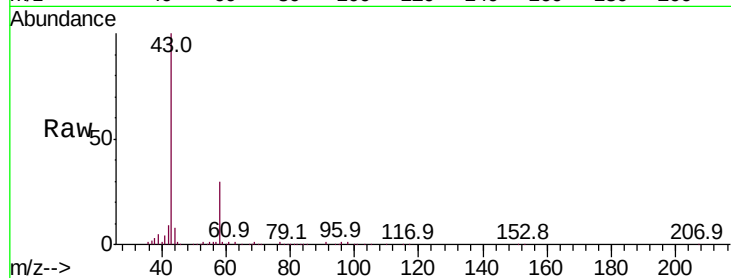
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 165150

Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.4



#14

Carbon disulfide

Concen: 19.070 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007517.D

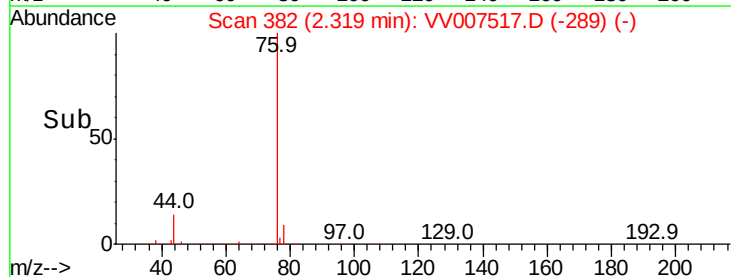
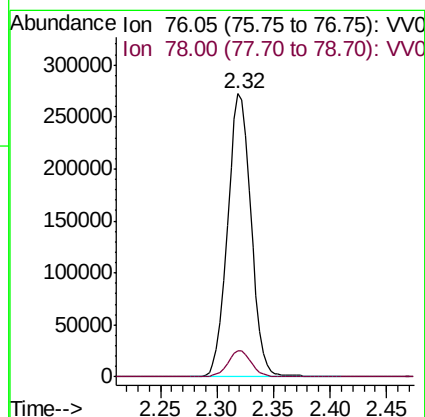
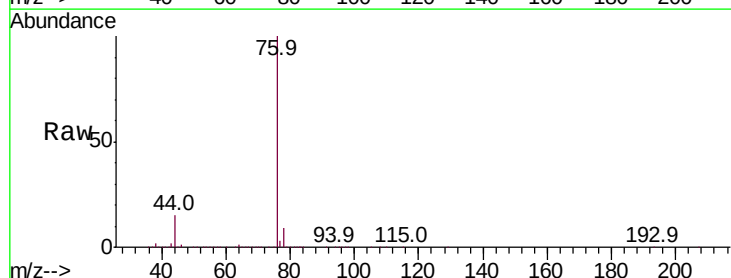
Acq: 13 Sep 2018 18:49

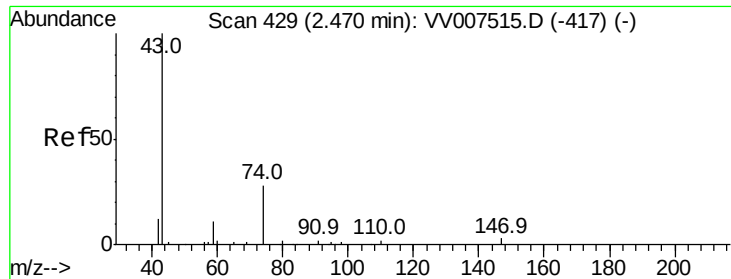
Tgt Ion: 76 Resp: 394122

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

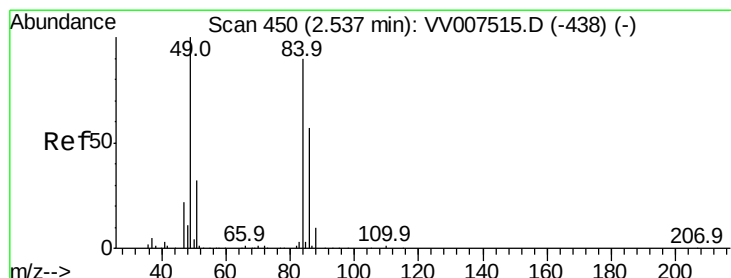
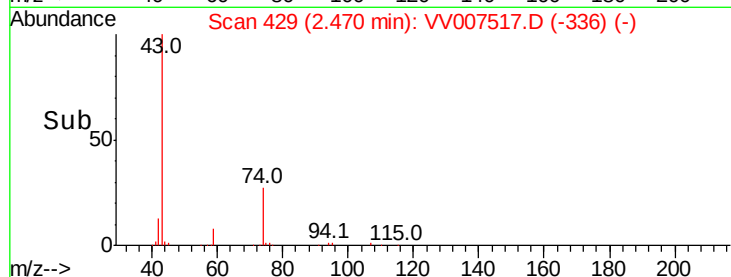
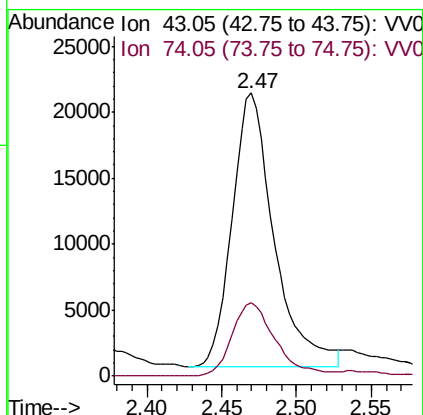
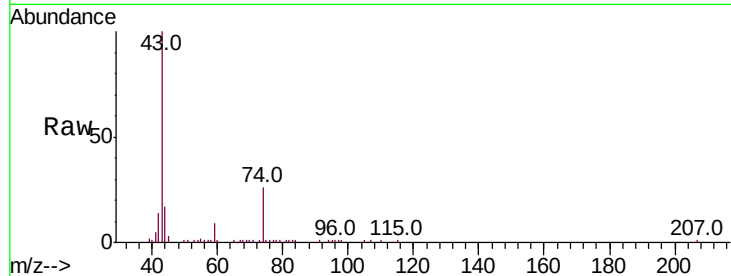




#15
Methvl Acetate
Concen: 17.579 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

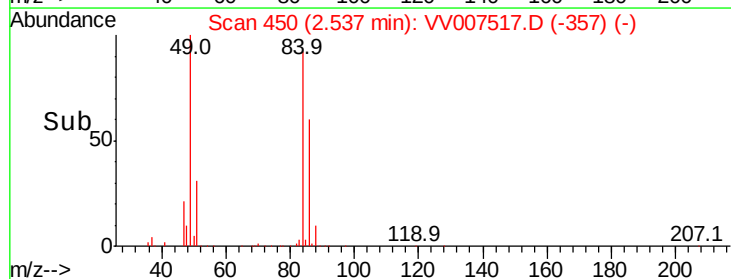
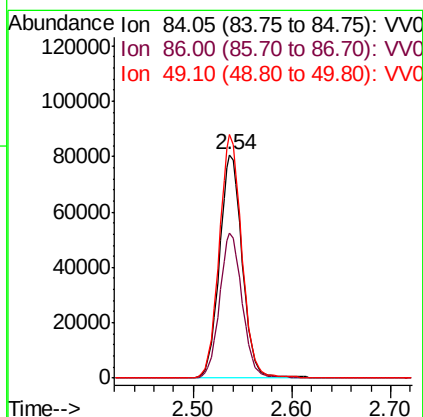
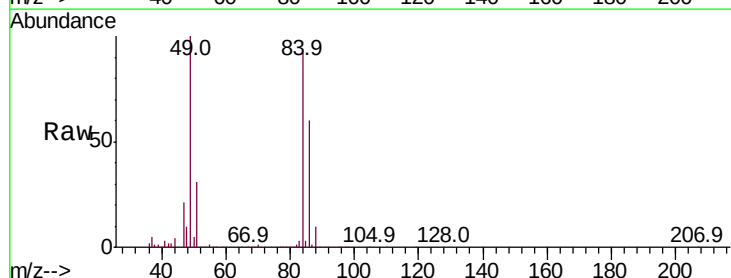
Instrument :
MSVOA_V
ClientSampleId :

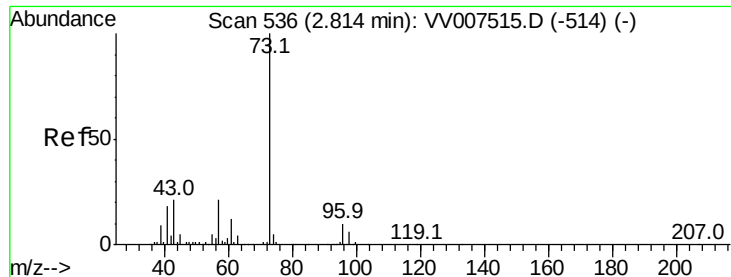
Tot Ion: 43 Resp: 40580
Ion Ratio Lower Upper
43 100
74 27.8 25.4 38.2



#16
Methylene chloride
Concen: 18.045 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

Tgt Ion: 84 Resp: 130795
Ion Ratio Lower Upper
84 100
86 64.9 43.7 81.1
49 108.9 76.8 142.6

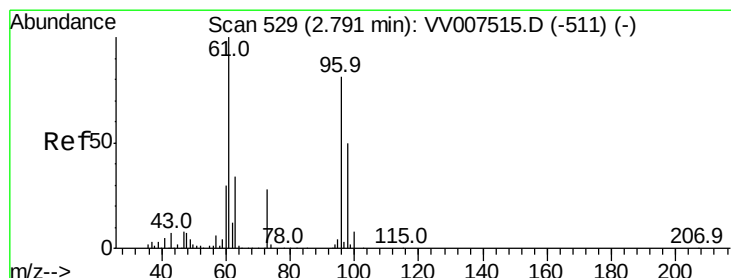
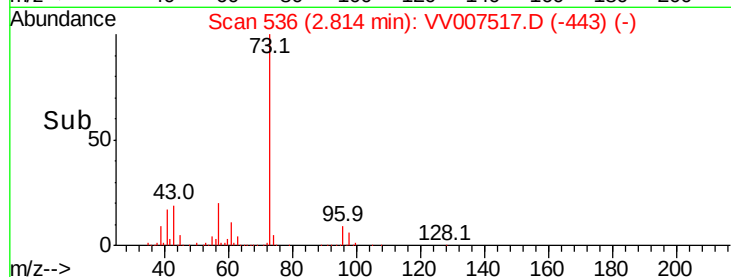
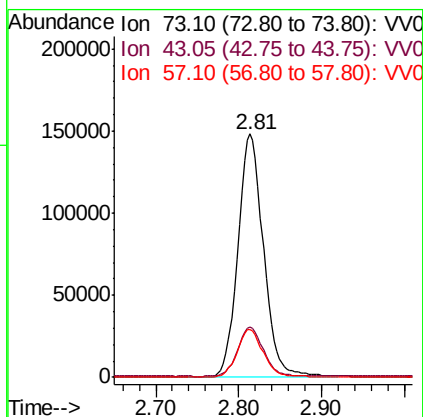
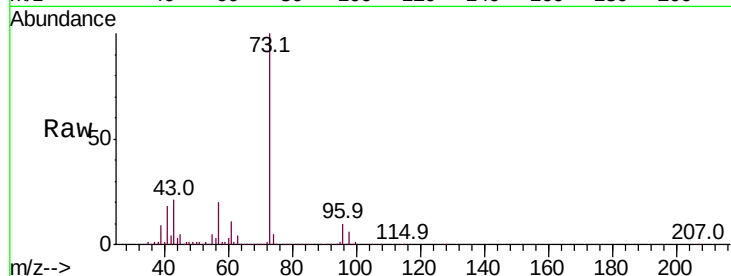




#17
Methyl tert-butyl Ether
Concen: 18.826 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

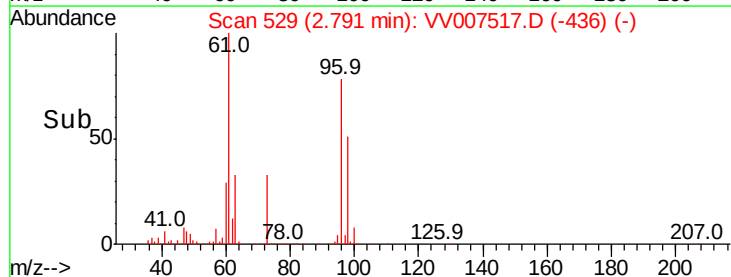
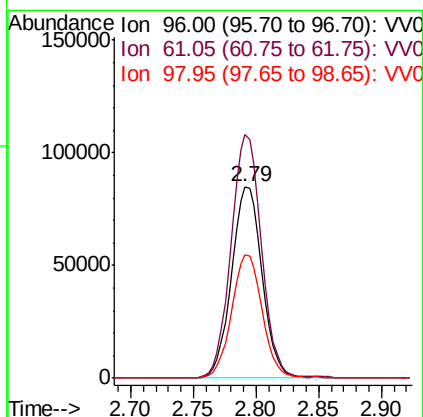
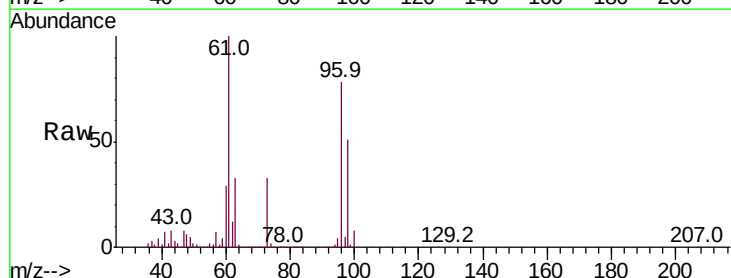
Instrument :
MSVOA_V
ClientSampleId :

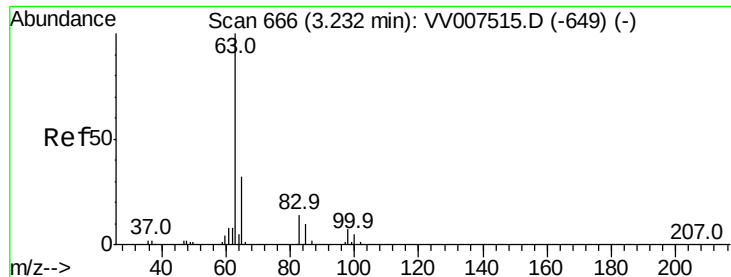
Tot Ion: 73 Resp: 320883
Ion Ratio Lower Upper
73 100
43 20.4 15.8 23.6
57 19.9 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 19.556 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

Tgt Ion: 96 Resp: 143647
Ion Ratio Lower Upper
96 100
61 127.4 86.8 161.2
98 64.5 44.4 82.4

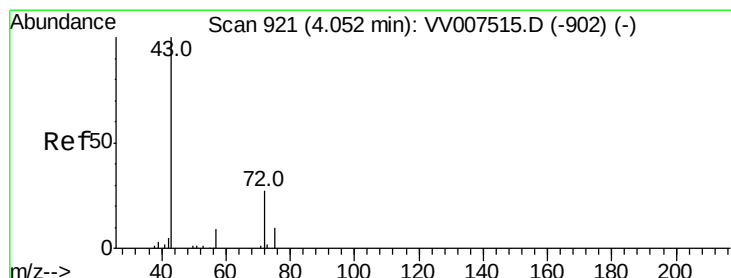
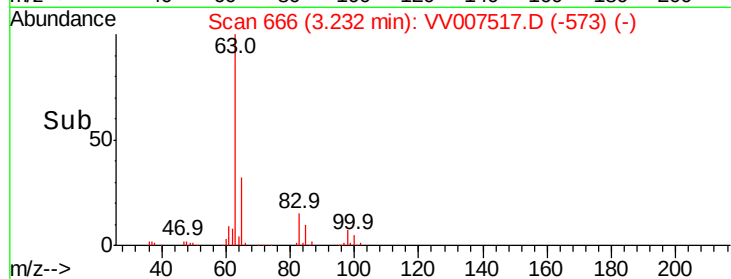
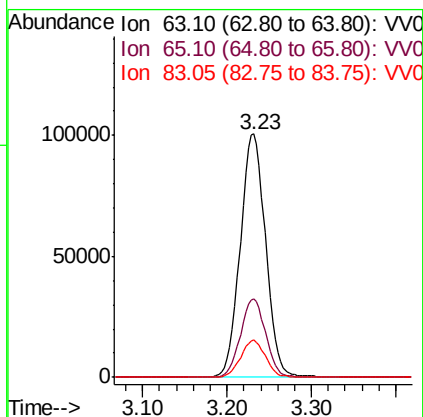
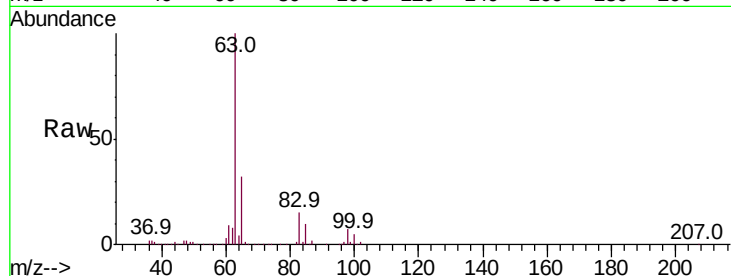




#19
 1,1-Dichloroethane
 Concen: 18.068 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

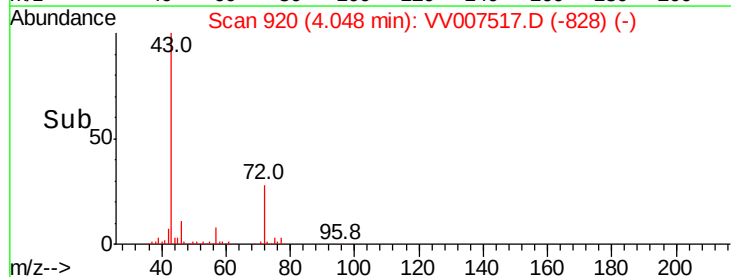
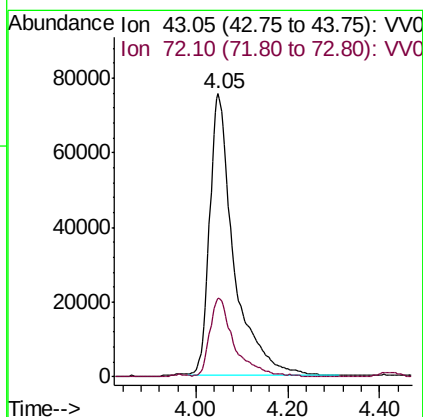
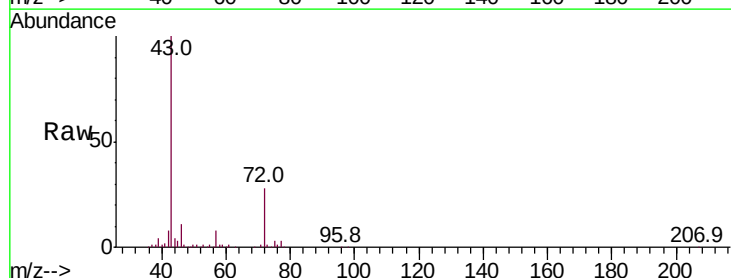
Instrument :
 MSVOA_V
 ClientSampleId :

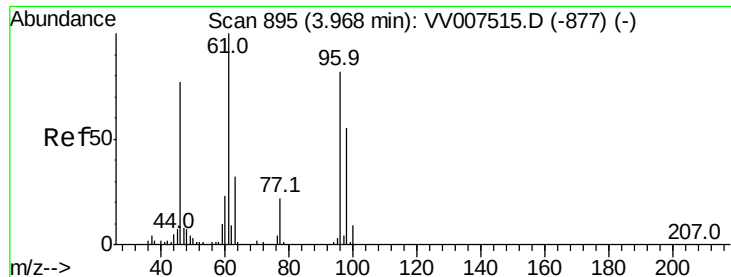
Tot Ion:	63	Resp:	211468
Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.5	41.9
83	15.2	10.4	19.2



#21
 2-Butanone
 Concen: 204.045 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion:	43	Resp:	277362
Ion	Ratio	Lower	Upper
43	100		
72	27.1	14.2	42.6



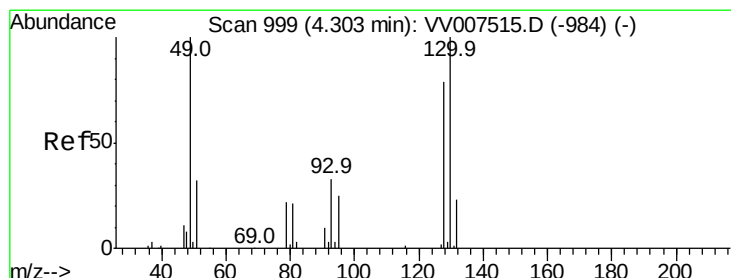
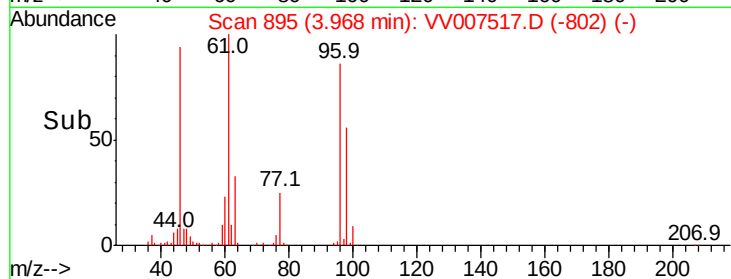
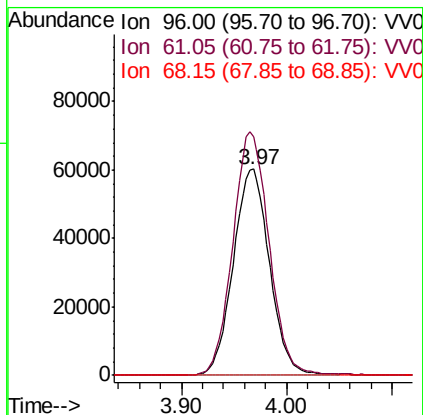
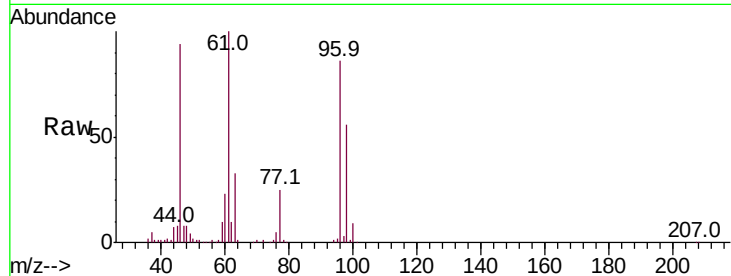


#22

cis-1,2-Dichloroethene
 Concen: 20.250 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :

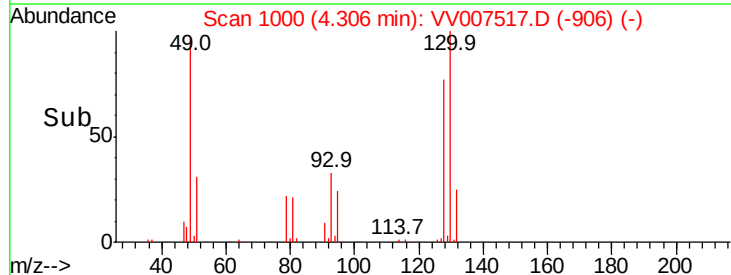
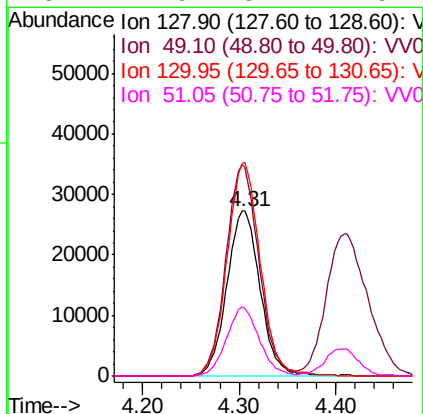
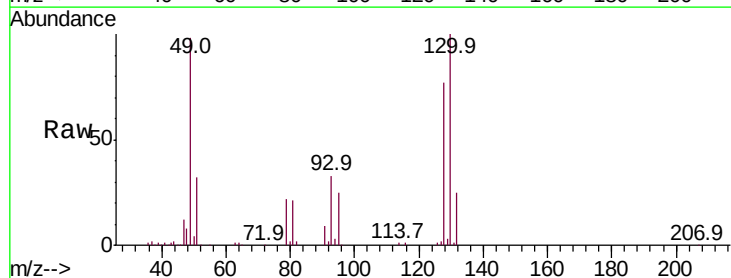
Tot Ion: 96 Resp: 143962
 Ion Ratio Lower Upper
 96 100
 61 115.9 85.3 158.5
 68 0.2 0.0 0.0#

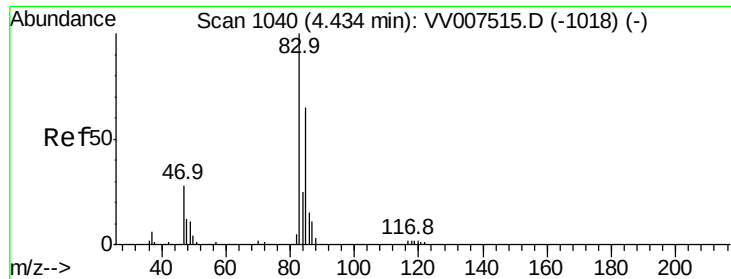


#23

Bromochloromethane
 Concen: 19.193 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion: 128 Resp: 65089
 Ion Ratio Lower Upper
 128 100
 49 126.5 89.0 165.2
 130 129.6 88.8 165.0
 51 41.5 32.2 48.2

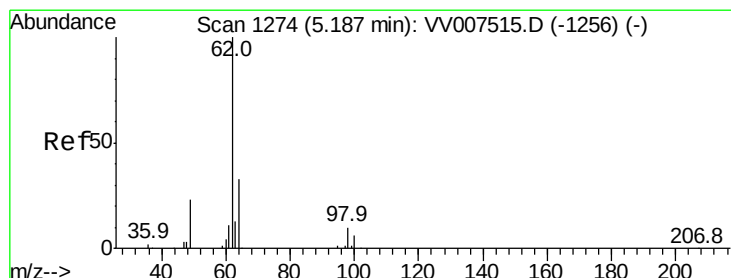
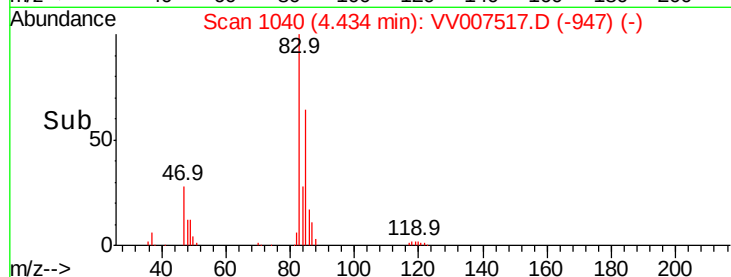
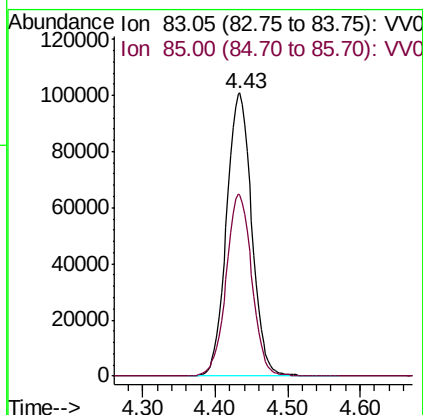
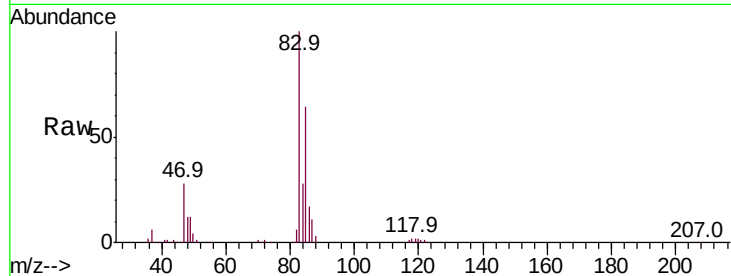




#25
Chloroform
Concen: 20.047 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

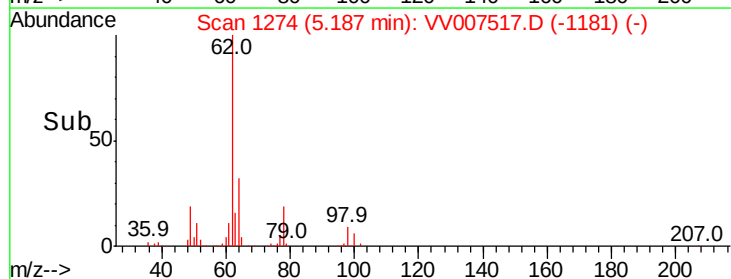
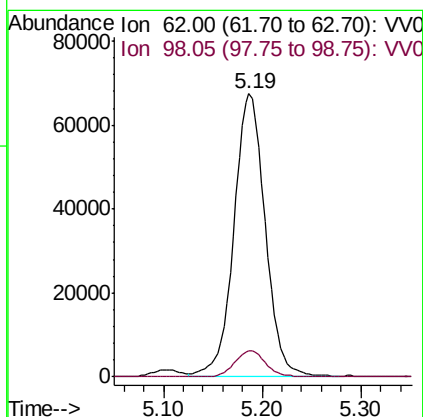
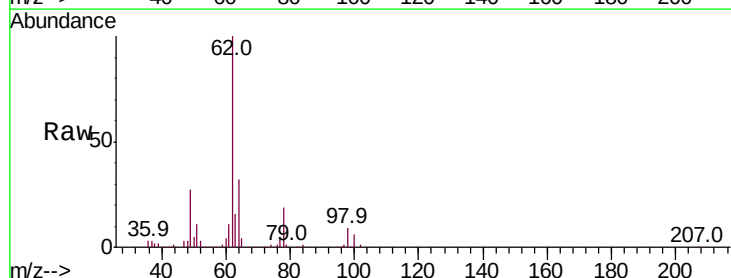
Instrument :
MSVOA_V
ClientSampleId :

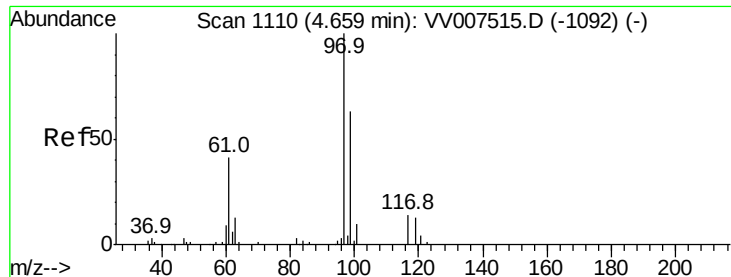
Tot Ion: 83 Resp: 243781
Ion Ratio Lower Upper
83 100
85 64.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 19.624 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

Tgt Ion: 62 Resp: 147923
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4

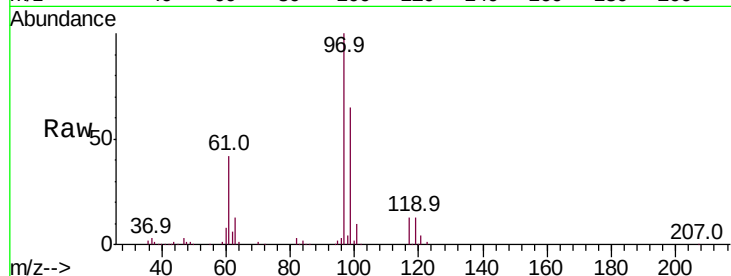




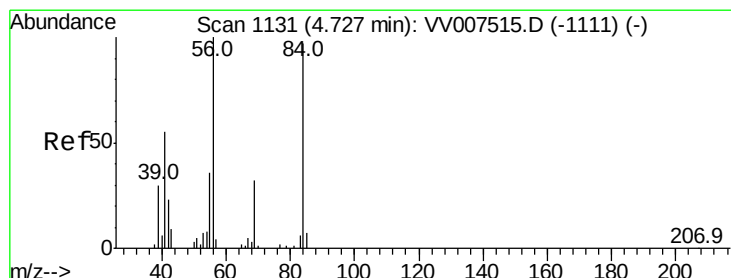
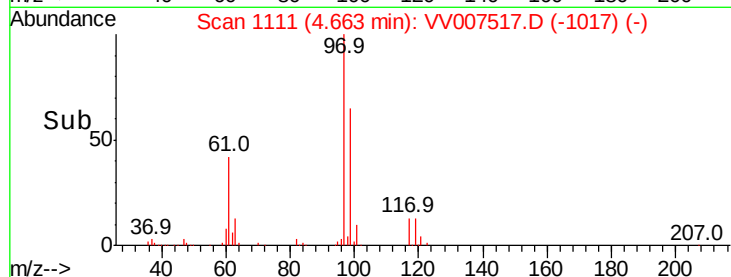
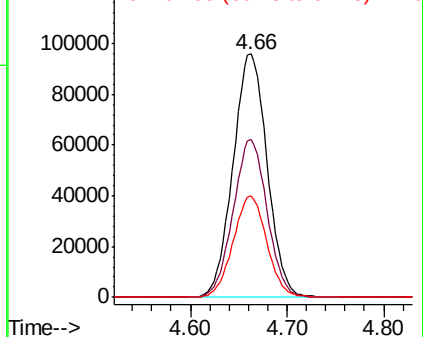
#29
 1,1,1-Trichloroethane
 Concen: 18.943 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 235545
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.7 76.1
 61 41.2 32.5 48.7

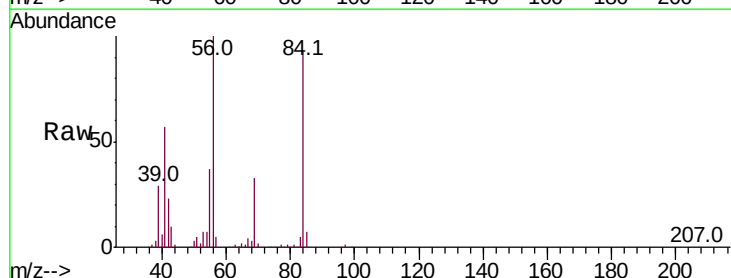


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

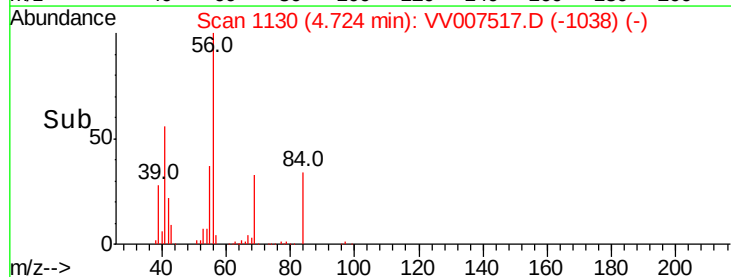
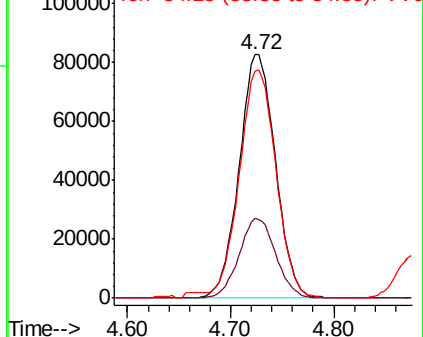


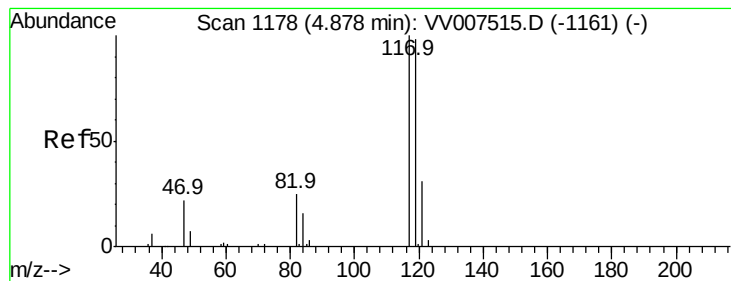
#30
 Cyclohexane
 Concen: 18.424 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion: 56 Resp: 202431
 Ion Ratio Lower Upper
 56 100
 69 33.1 26.1 39.1
 84 94.1 78.0 117.0



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: 19.401 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

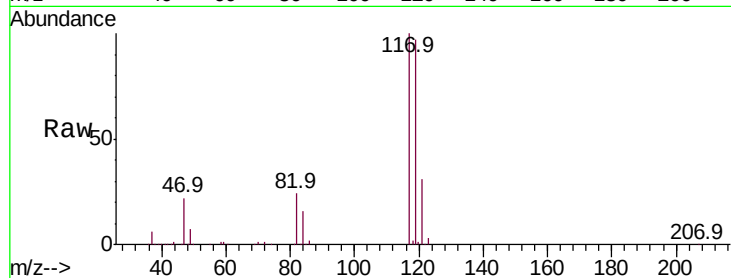
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 222194

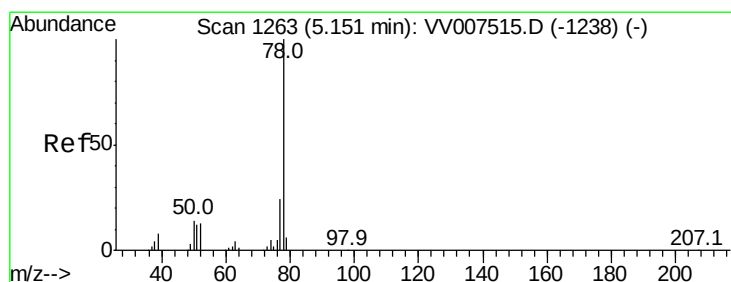
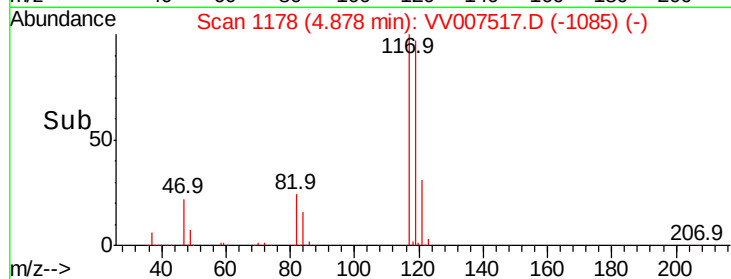
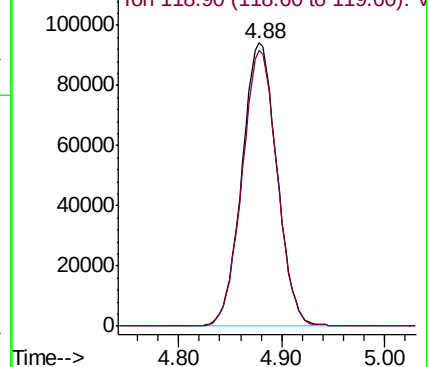
Ion Ratio Lower Upper

117 100

119 97.5 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.307 ug/L

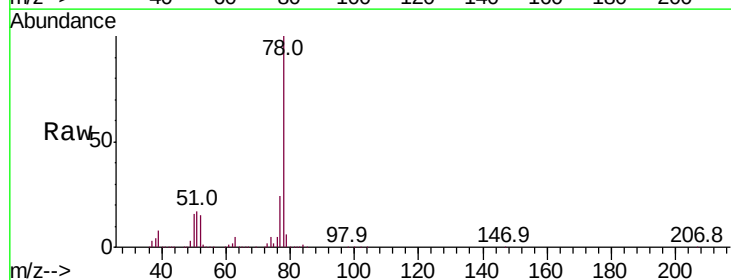
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

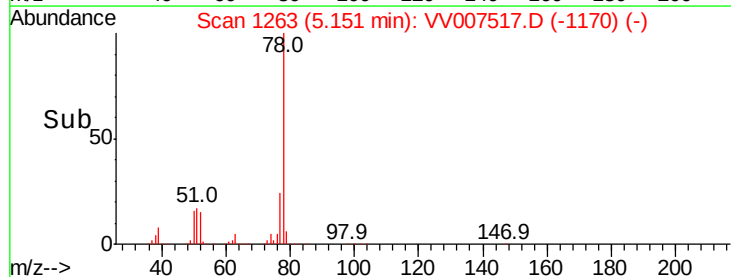
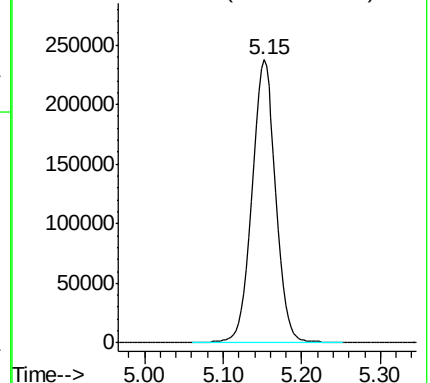
Lab File: VV007517.D

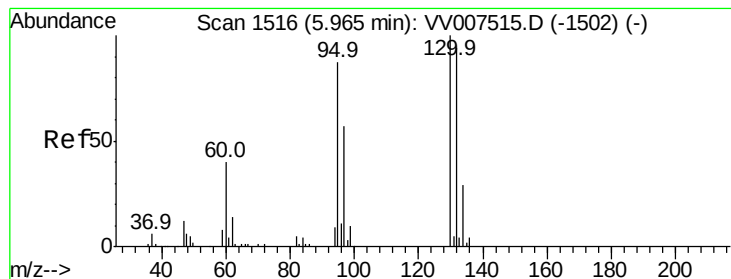
Acq: 13 Sep 2018 18:49

Tgt Ion: 78 Resp: 509004



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 19.182 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 153580

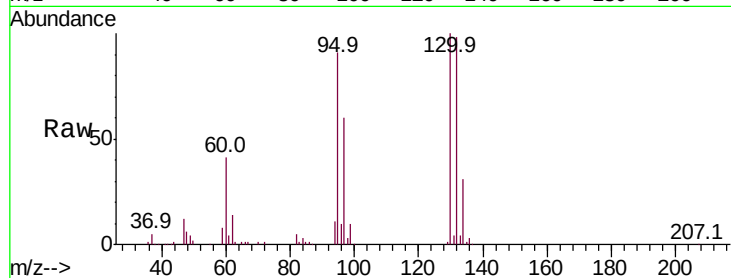
Ion Ratio Lower Upper

95 100

97 65.4 45.5 84.5

132 107.2 74.9 139.1

130 109.5 80.0 148.6

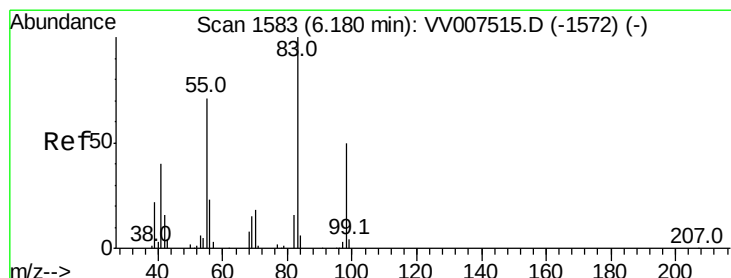
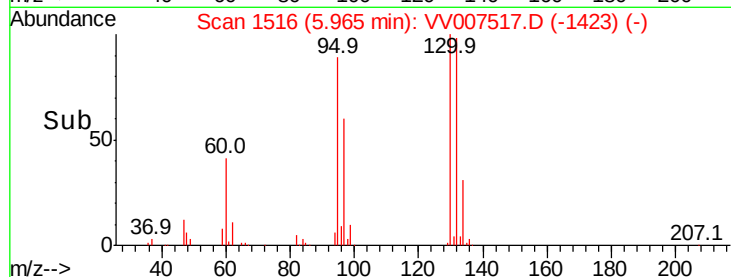
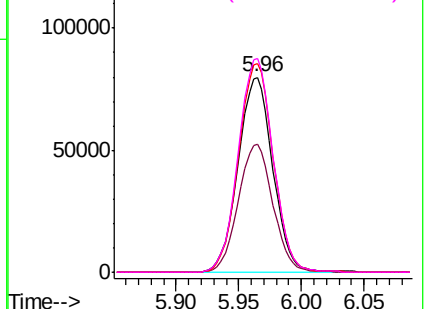


Abundance Ion 95.00 (94.70 to 95.70): VV007517.D (-1502) (-)

Ion 96.95 (96.65 to 97.65): VV007517.D (-1502) (-)

Ion 131.95 (131.65 to 132.65): VV007517.D (-1502) (-)

Ion 129.95 (129.65 to 130.65): VV007517.D (-1502) (-)



#35

Methylcyclohexane

Concen: 19.573 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

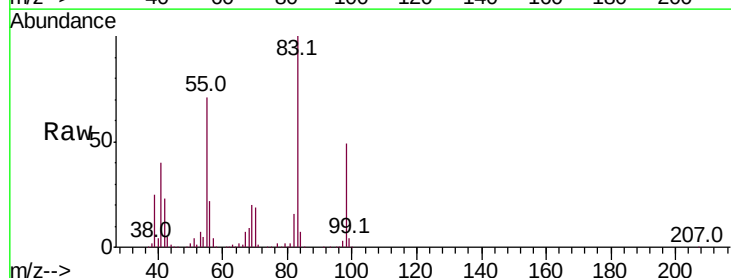
Tgt Ion: 83 Resp: 242143

Ion Ratio Lower Upper

83 100

55 69.9 55.0 82.4

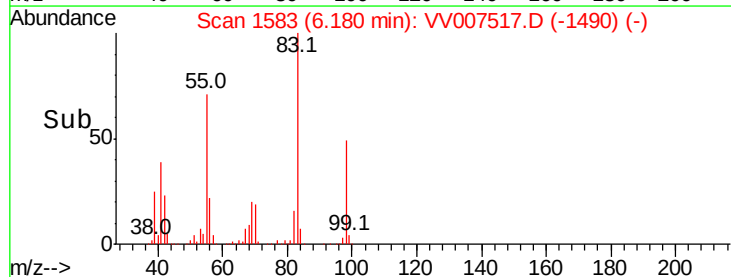
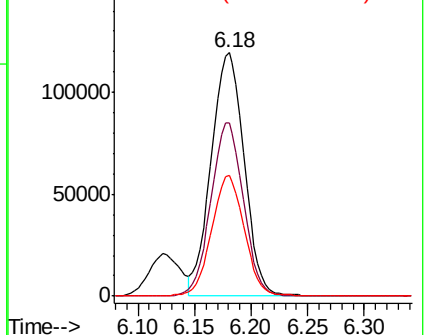
98 49.3 37.6 56.4

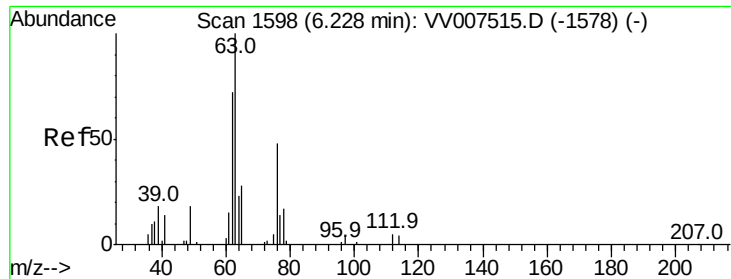


Abundance Ion 83.15 (82.85 to 83.85): VV007517.D (-1490) (-)

Ion 55.10 (54.80 to 55.80): VV007517.D (-1490) (-)

Ion 98.15 (97.85 to 98.85): VV007517.D (-1490) (-)





#37

1,2-Dichloropropane

Concen: 18.990 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

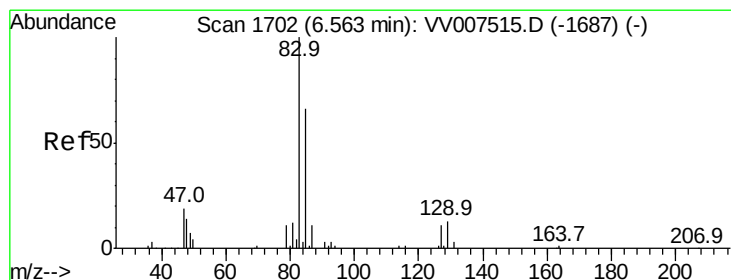
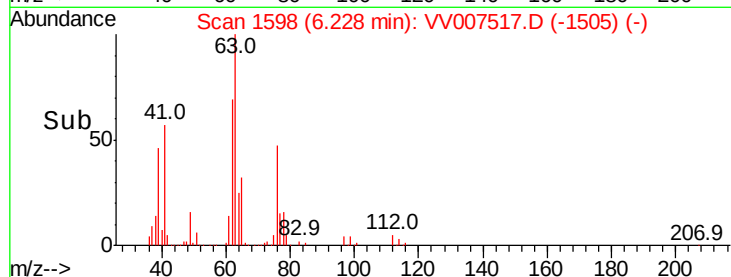
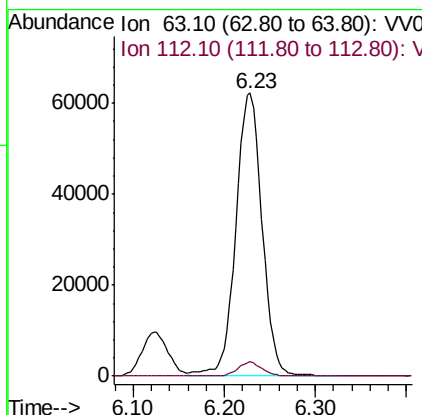
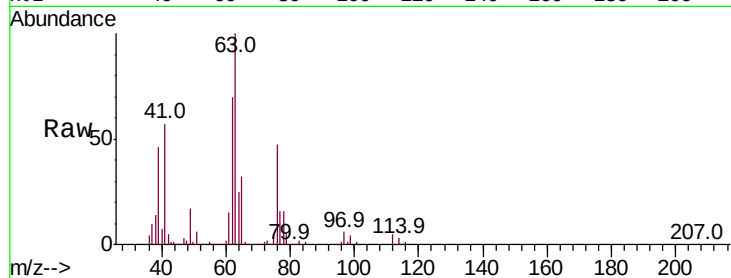
Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 125071

Ion	Ratio	Lower	Upper
63	100		
112	4.5	4.1	6.1



#38

Bromodichloromethane

Concen: 19.179 ug/L

RT: 6.56 min Scan# 1701

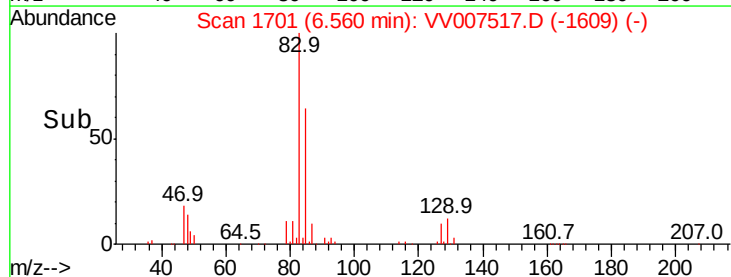
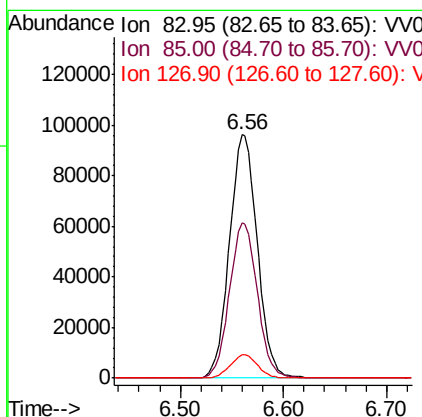
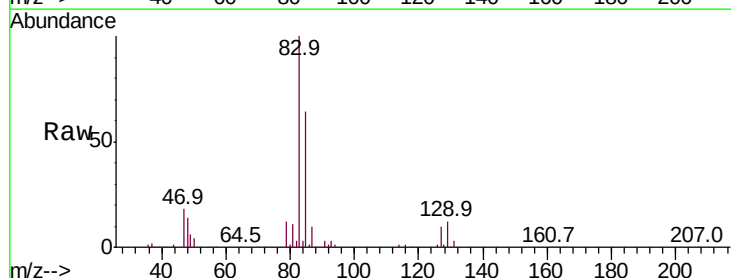
Delta R.T. -0.00 min

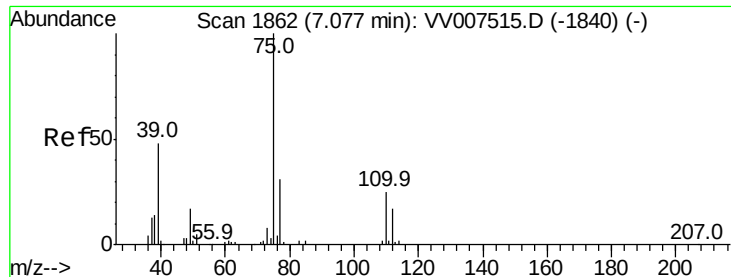
Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Tgt Ion: 83 Resp: 180890

Ion	Ratio	Lower	Upper
83	100		
85	63.9	46.4	86.2
127	9.5	8.4	12.6

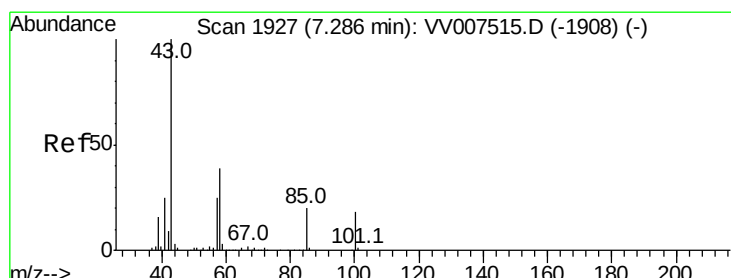
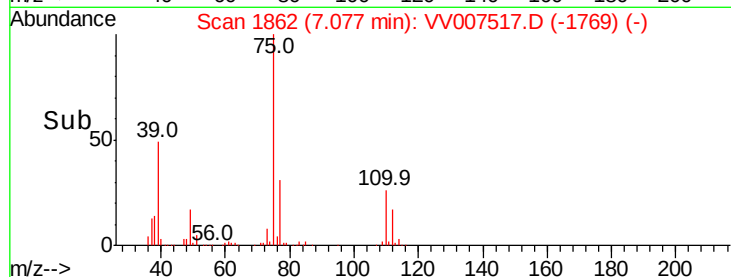
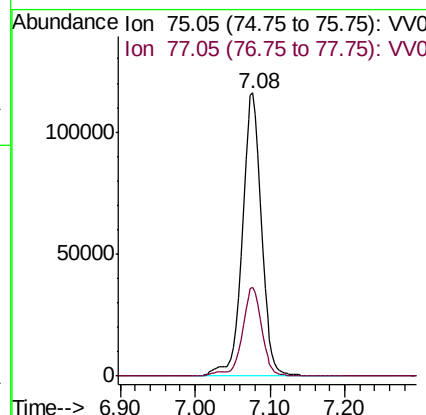
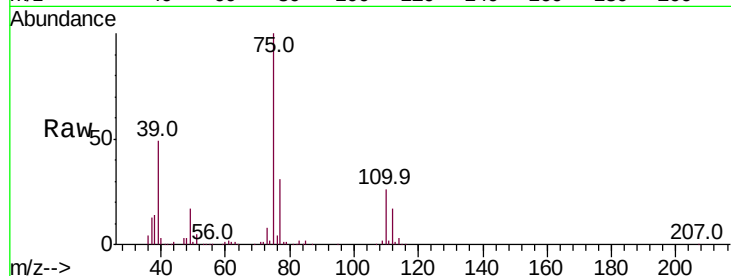




#39
 cis-1,3-Dichloropropene
 Concen: 19.434 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

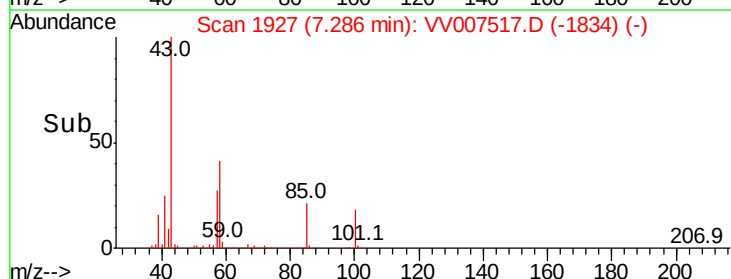
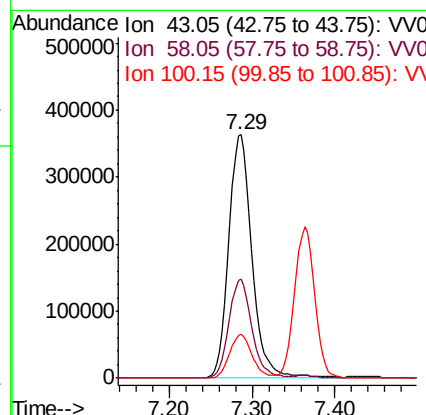
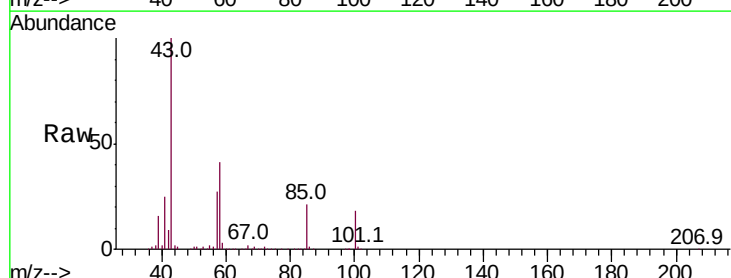
Instrument :
 MSVOA_V
 ClientSampleId :

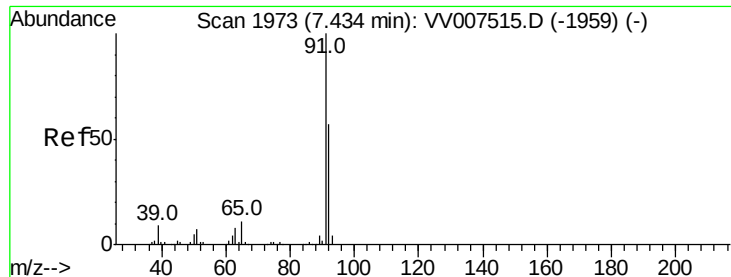
Tot Ion: 75 Resp: 207460
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 186.466 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion: 43 Resp: 704804
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.6 49.0
 100 17.4 13.5 20.3





#42

Toluene

Concen: 20.503 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

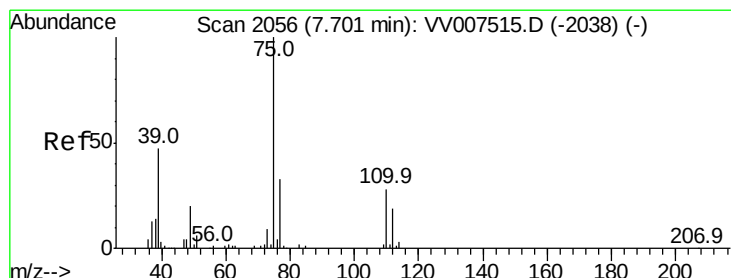
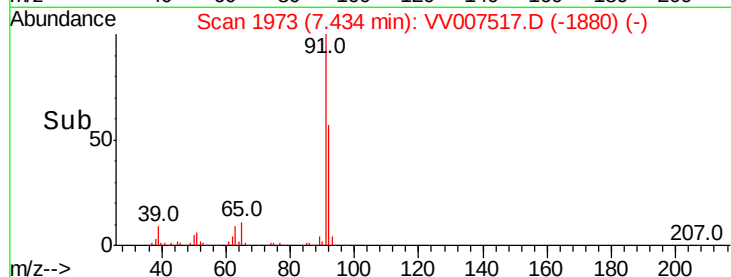
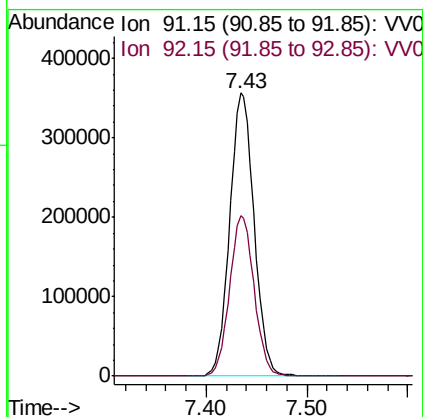
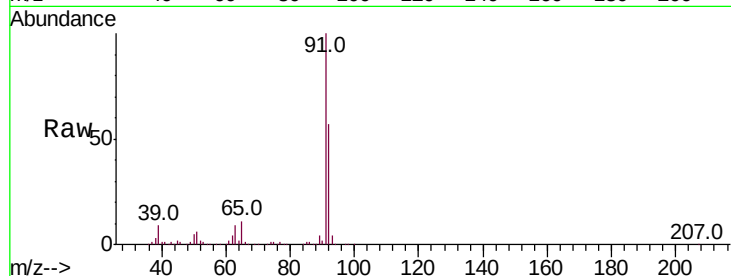
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 602701

Ion Ratio Lower Upper

91 100

92 56.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 19.316 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007517.D

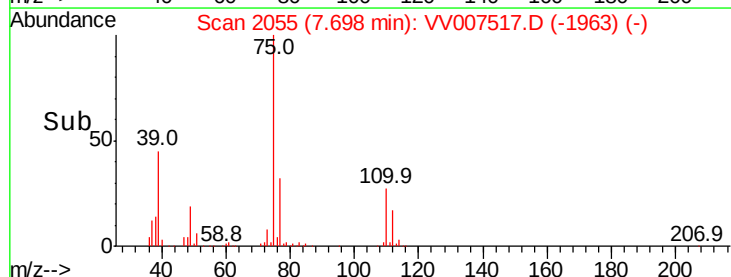
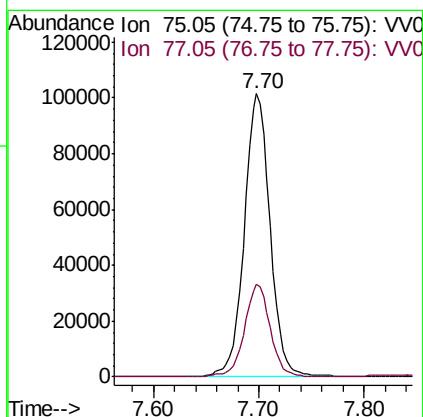
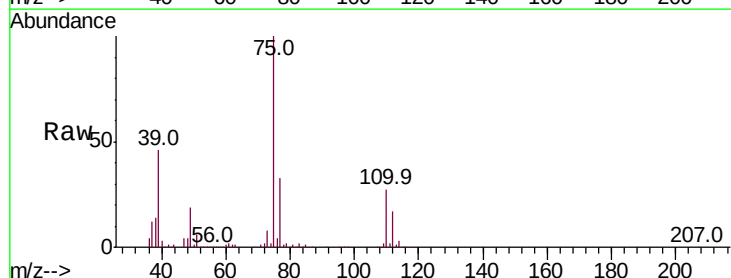
Acq: 13 Sep 2018 18:49

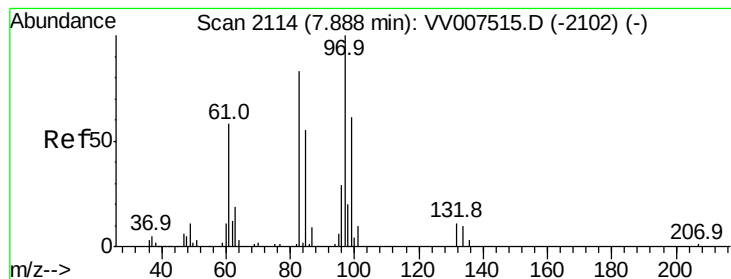
Tgt Ion: 75 Resp: 172637

Ion Ratio Lower Upper

75 100

77 32.6 23.4 43.4





#45

1,1,2-Trichloroethane

Concen: 18.200 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 92445

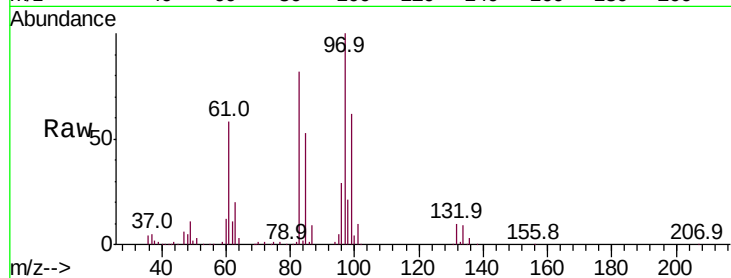
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.9	79.7
83	82.4	58.1	107.9
85	53.4	38.3	71.1

97 100

99 62.1 42.9 79.7

83 82.4 58.1 107.9

85 53.4 38.3 71.1



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

7.89

60000

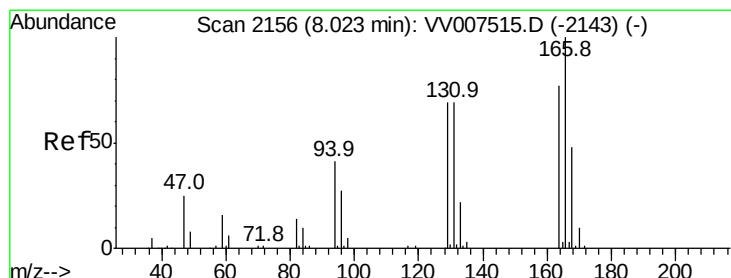
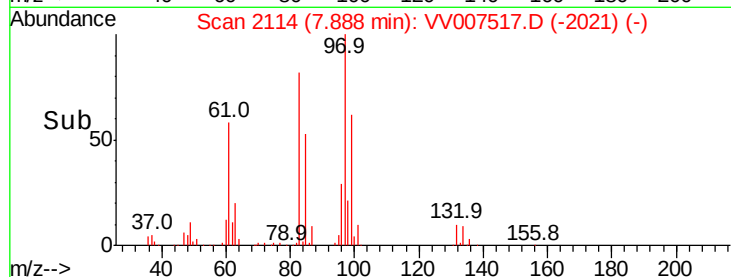
40000

20000

0

Time-->

7.80 7.85 7.90 7.95 8.00



#47

Tetrachloroethene

Concen: 20.881 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Tgt Ion: 164 Resp: 144058

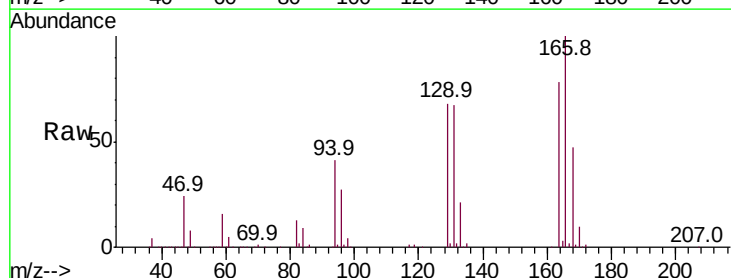
Ion	Ratio	Lower	Upper
164	100		
129	87.9	61.9	115.1
131	86.1	62.1	115.3
166	128.5	90.4	167.8

164 100

129 87.9 61.9 115.1

131 86.1 62.1 115.3

166 128.5 90.4 167.8



Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

8.02

150000

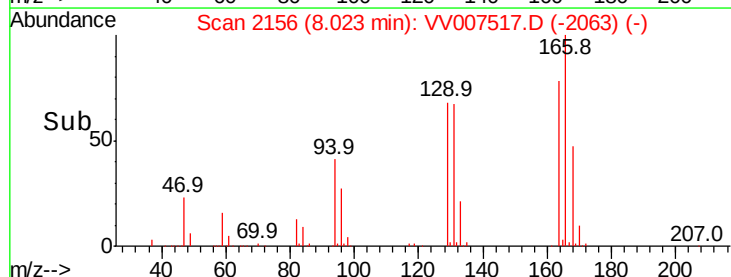
100000

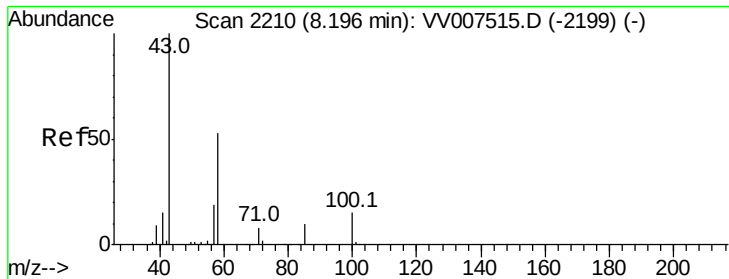
50000

0

Time-->

7.95 8.00 8.05 8.10

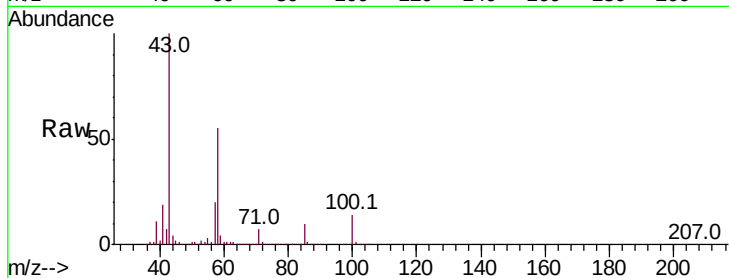




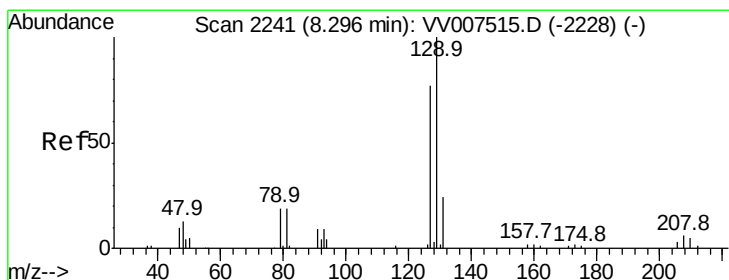
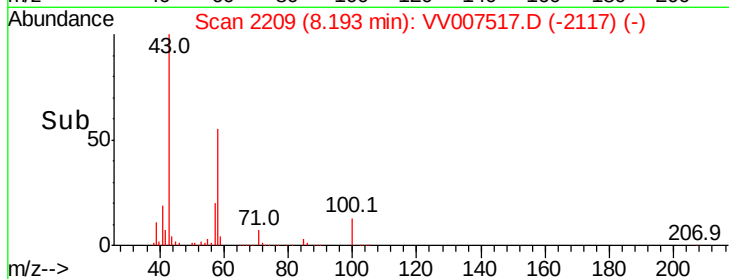
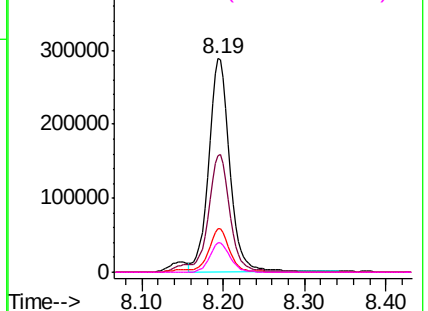
#48
2-Hexanone
Concen: 190.070 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 521605
Ion Ratio Lower Upper
43 100
58 59.2 49.8 74.6
57 20.0 18.2 27.4
100 13.5 11.0 16.4

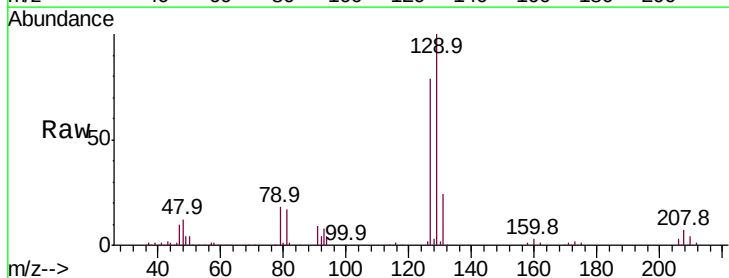


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

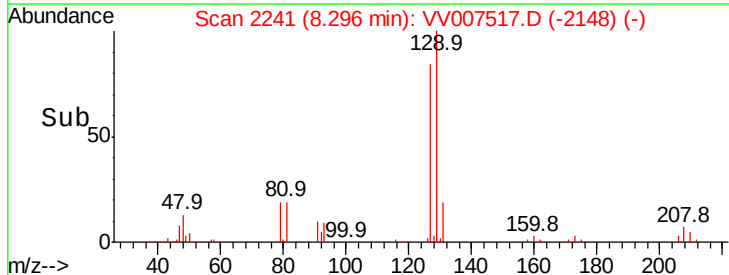
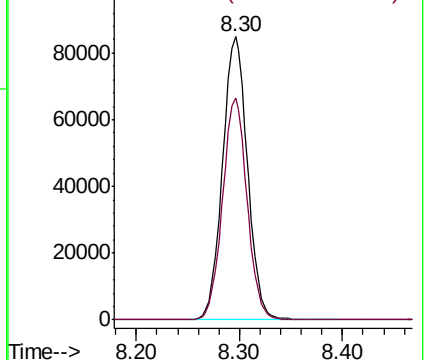


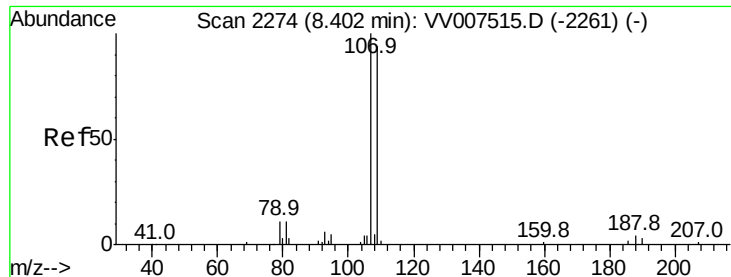
#49
Dibromochloromethane
Concen: 20.456 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007517.D
Acq: 13 Sep 2018 18:49

Tgt Ion: 129 Resp: 143057
Ion Ratio Lower Upper
129 100
127 78.5 53.8 100.0



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





#50

1,2-Dibromoethane

Concen: 19.077 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :
MSVOA_V
ClientSampleId :

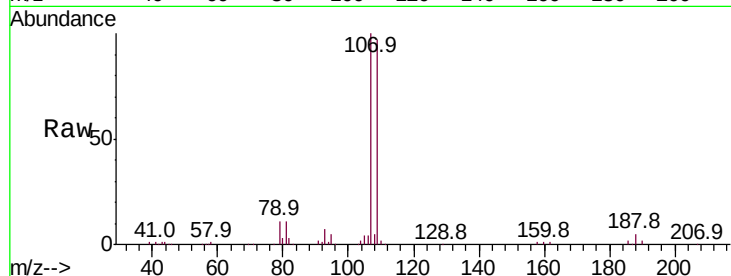
Tot Ion:107 Resp: 94273

Ion Ratio Lower Upper

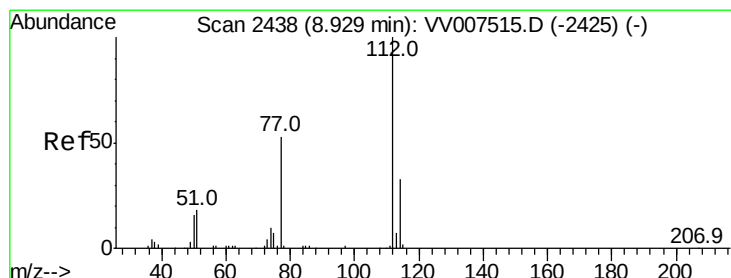
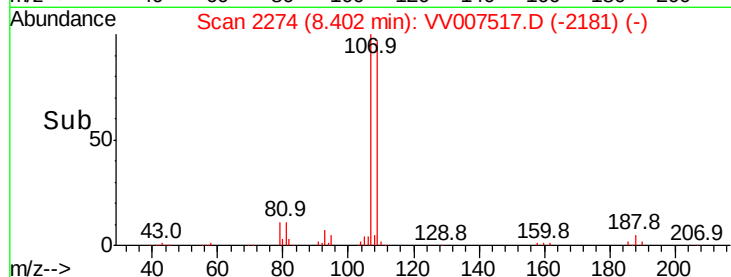
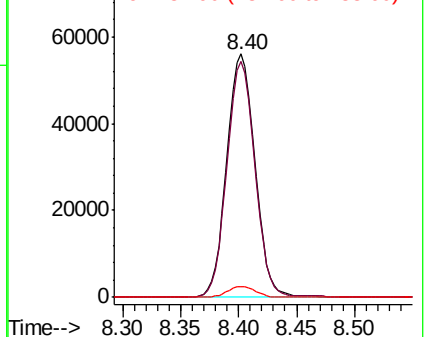
107 100

109 96.9 66.0 122.6

188 4.6 3.3 4.9



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



#51

Chlorobenzene

Concen: 20.394 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

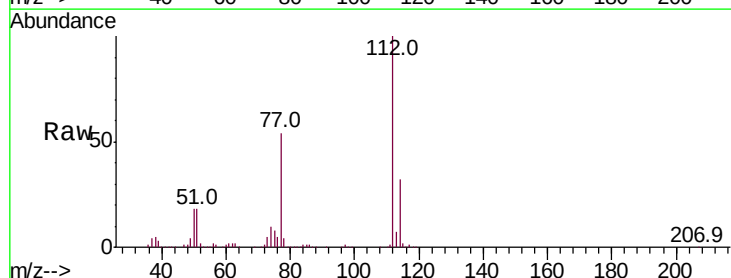
Tgt Ion:112 Resp: 409592

Ion Ratio Lower Upper

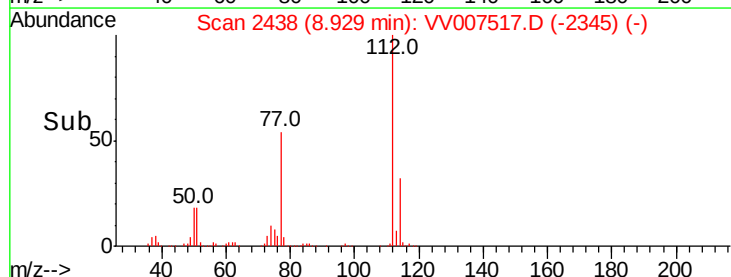
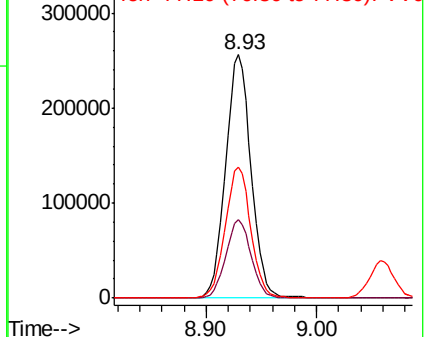
112 100

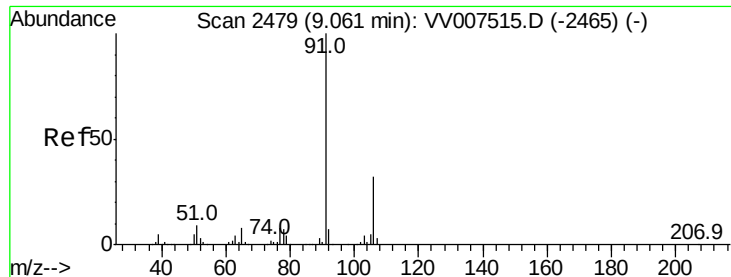
114 32.0 22.8 42.4

77 54.0 43.2 64.8



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





#52

Ethylbenzene

Concen: 20.606 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

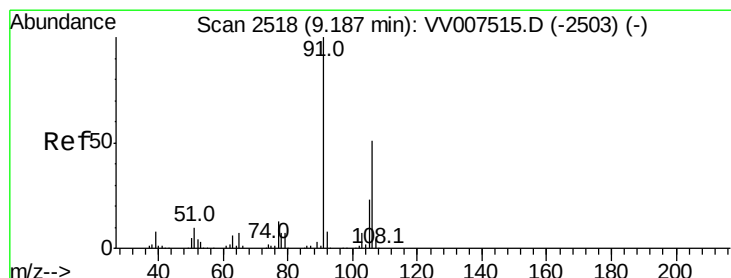
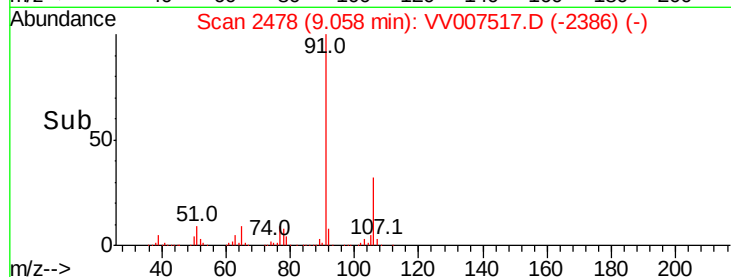
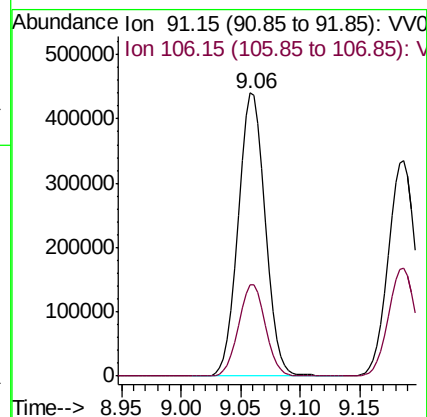
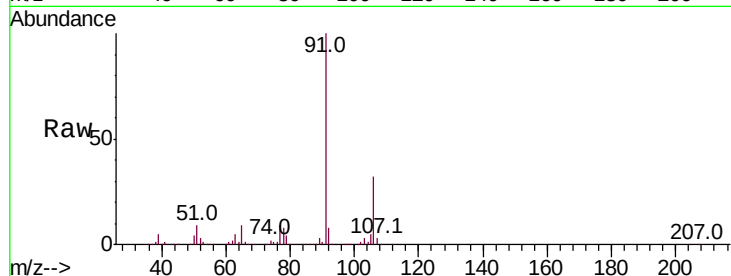
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 692700

Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



#53

m,p-xylene

Concen: 20.605 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007517.D

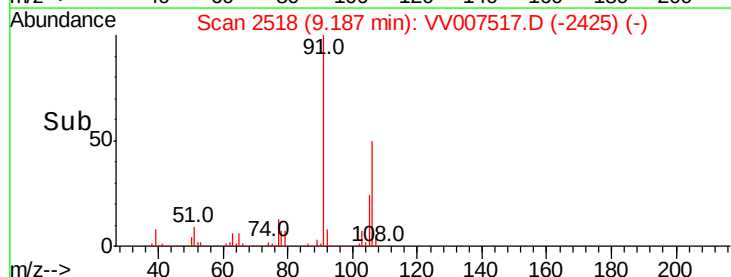
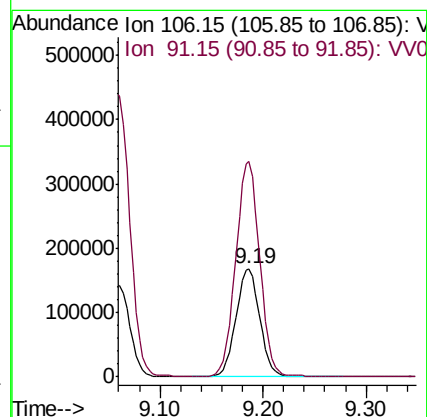
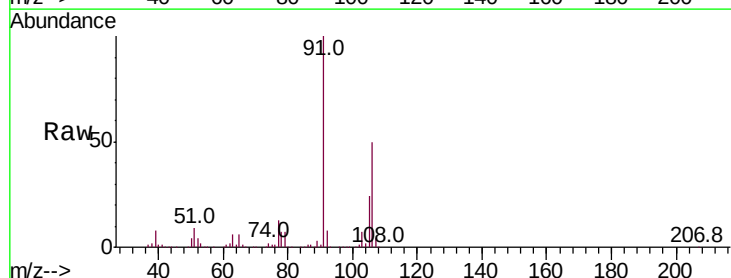
Acq: 13 Sep 2018 18:49

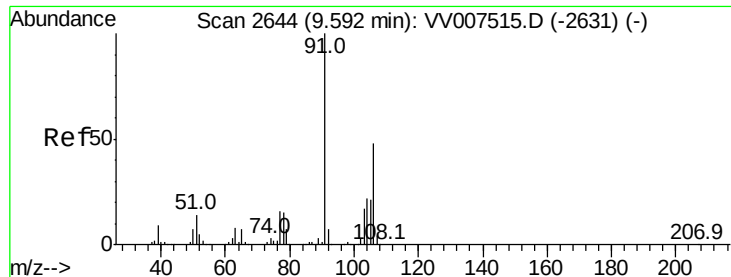
Tgt Ion:106 Resp: 270651

Ion Ratio Lower Upper

106 100

91 198.8 137.2 254.8





#54

o-xylene

Concen: 20.782 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

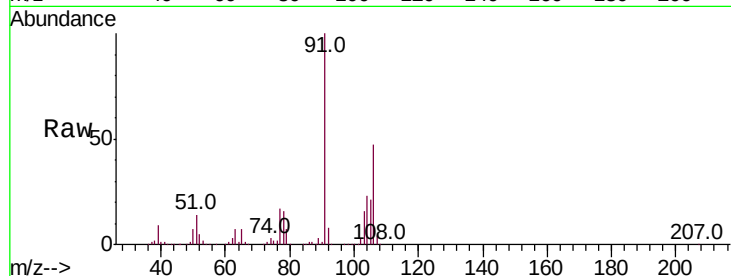
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 265590

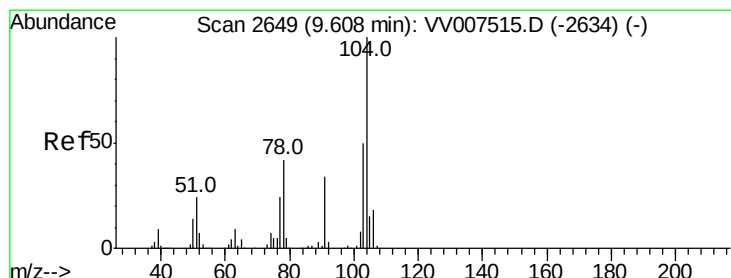
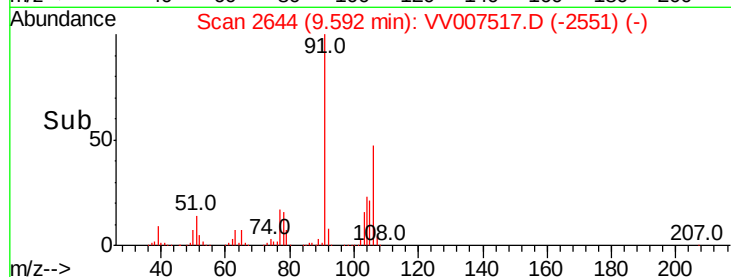
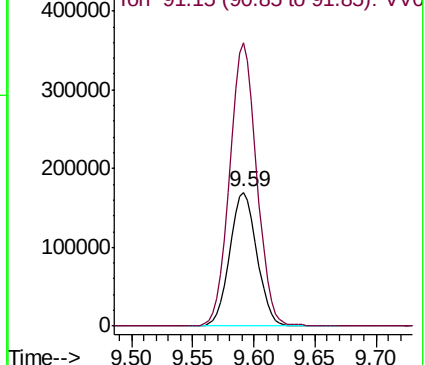
Ion Ratio Lower Upper

106 100

91 211.4 147.6 274.0



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



#55

Styrene

Concen: 21.421 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007517.D

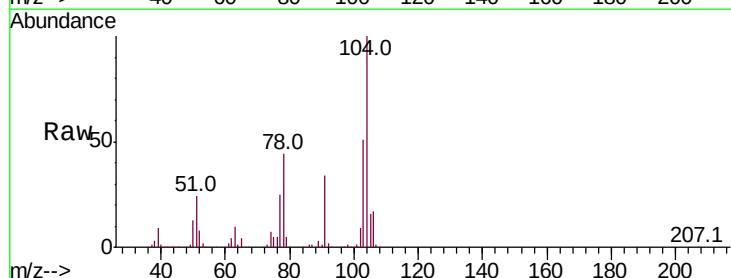
Acq: 13 Sep 2018 18:49

Tgt Ion:104 Resp: 449295

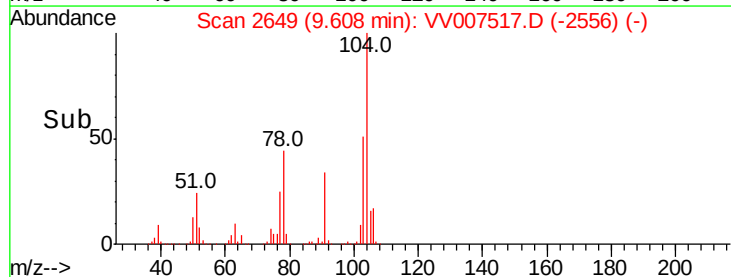
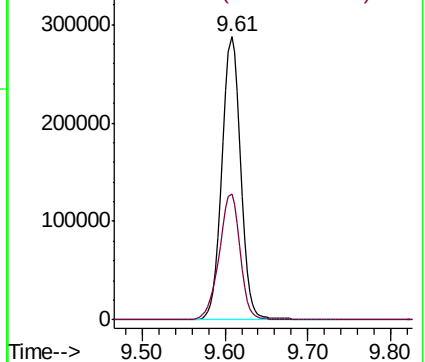
Ion Ratio Lower Upper

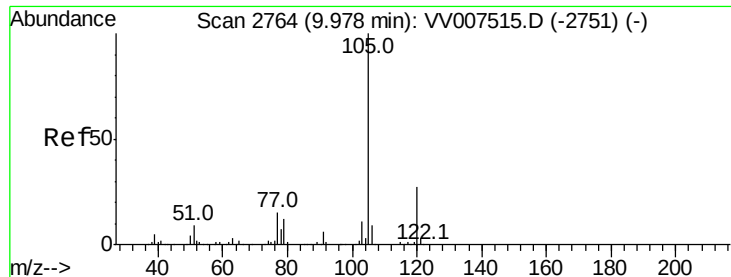
104 100

78 44.3 29.5 54.7



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





#56

Isopropylbenzene

Concen: 21.186 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :
MSVOA_V
ClientSampleId :

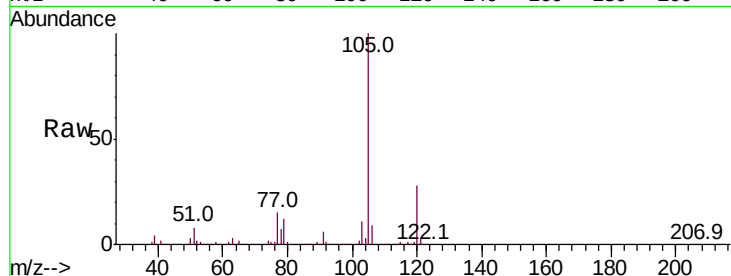
Tot Ion:105 Resp: 729250

Ion Ratio Lower Upper

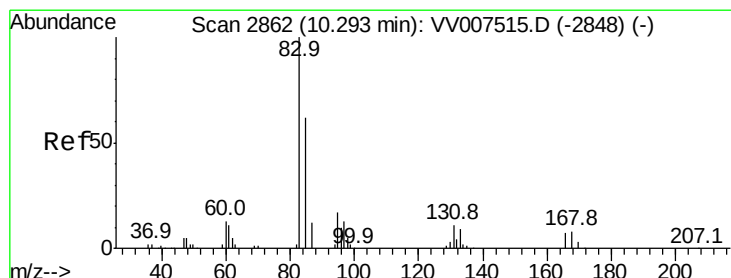
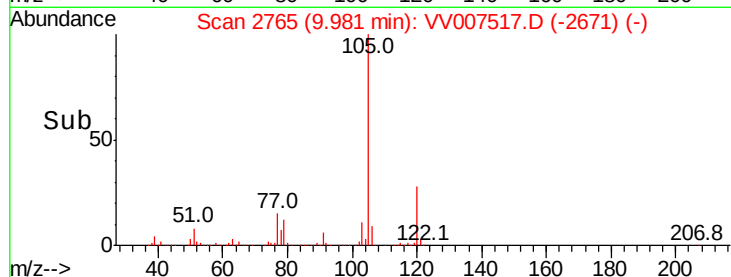
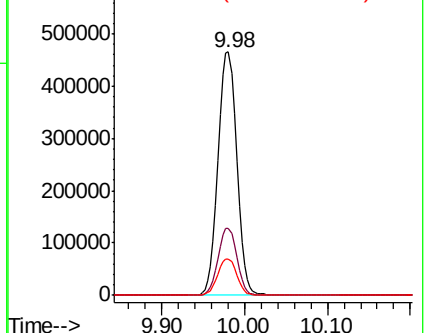
105 100

120 27.6 22.2 33.2

77 15.2 12.2 18.4



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: 18.936 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

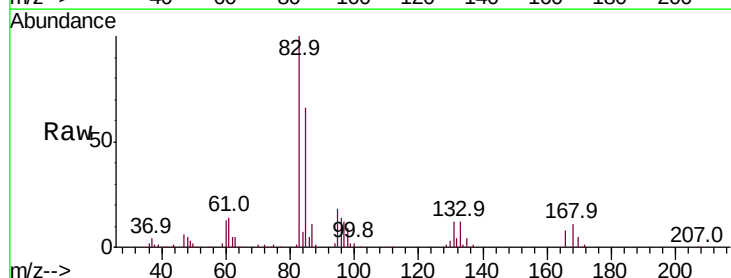
Tgt Ion: 83 Resp: 102338

Ion Ratio Lower Upper

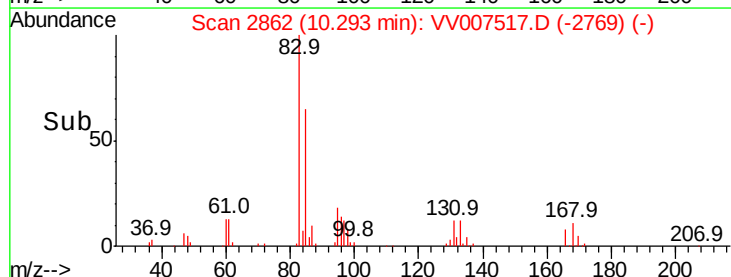
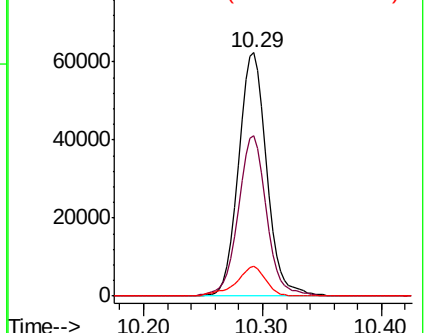
83 100

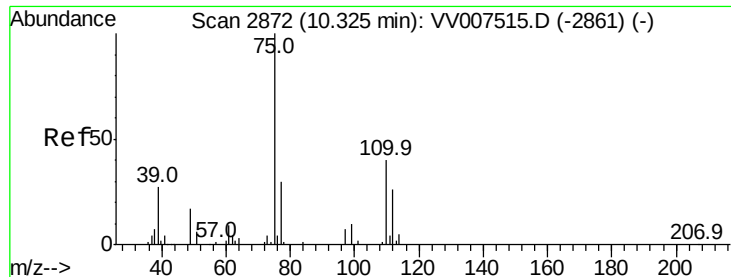
85 65.7 43.6 81.0

131 12.4 9.2 13.8



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: 18.371 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :

MSVOA_V

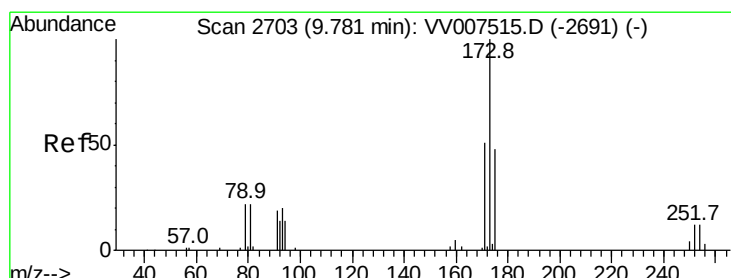
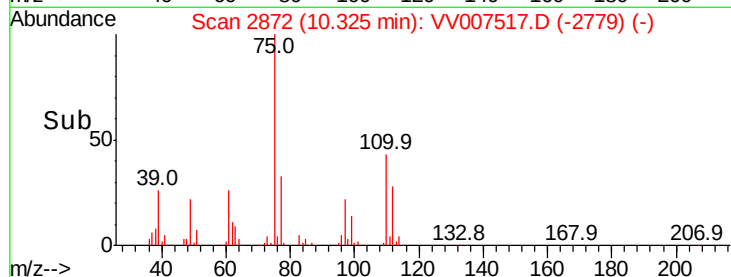
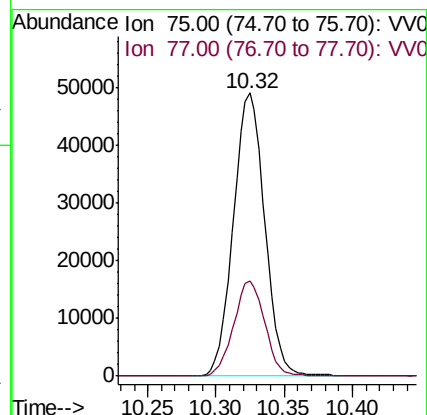
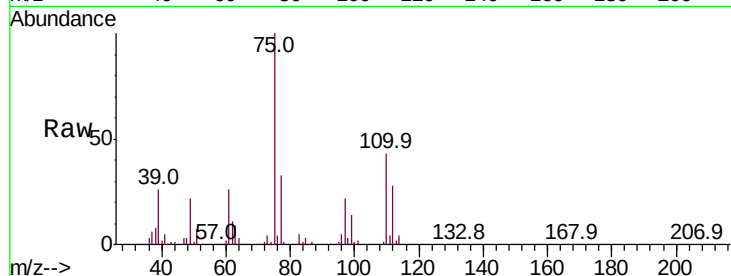
ClientSampled :

Tot Ion: 75 Resp: 78494

Ion Ratio Lower Upper

75 100

77 33.4 25.0 37.6



#61

Bromoform

Concen: 18.954 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

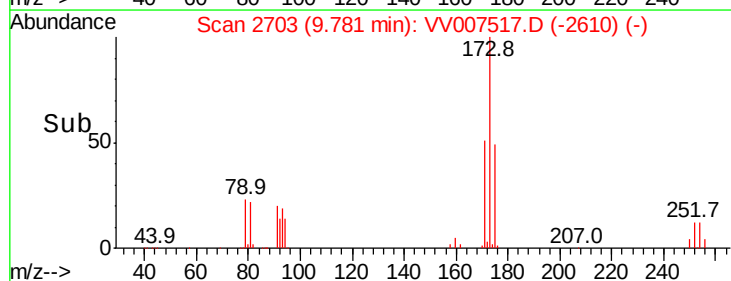
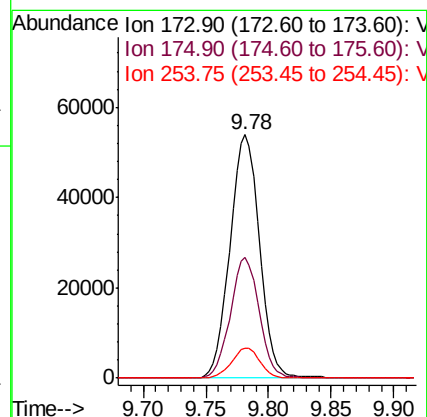
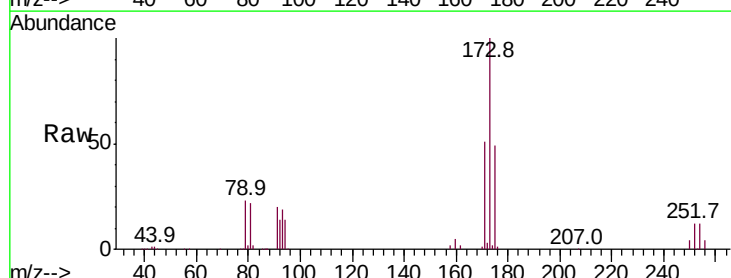
Tgt Ion:173 Resp: 88337

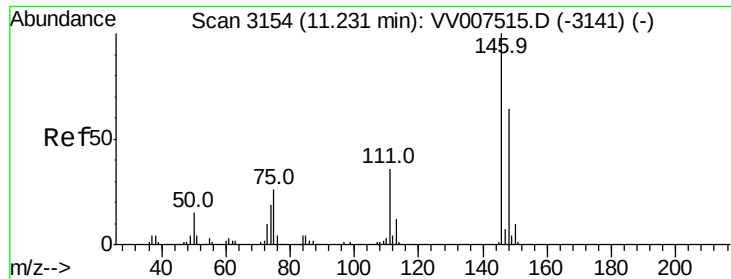
Ion Ratio Lower Upper

173 100

175 48.4 37.9 56.9

254 11.8 8.8 13.2

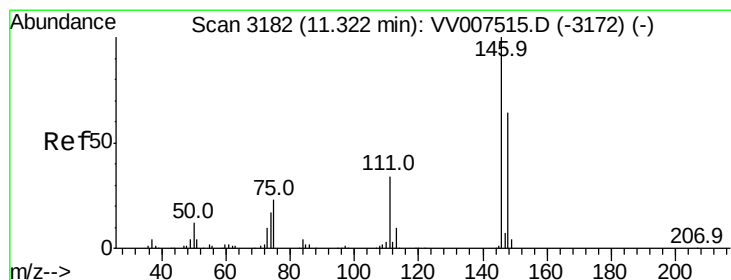
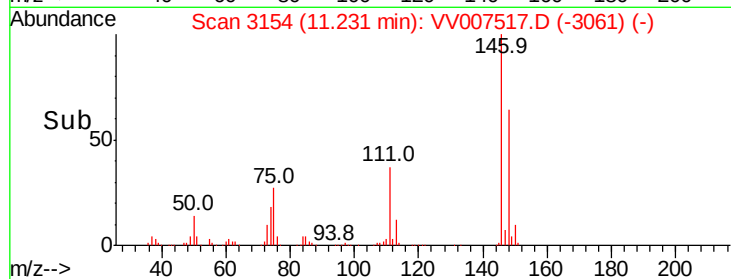
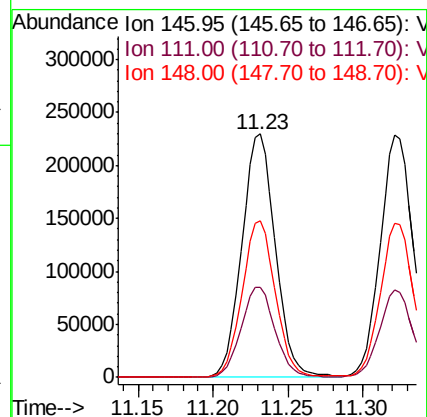
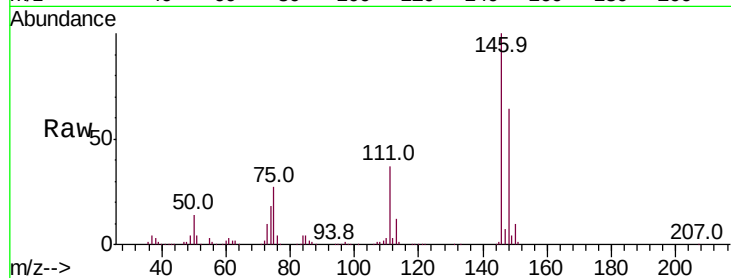




#62
 1,3-Dichlorobenzene
 Concen: 20.486 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

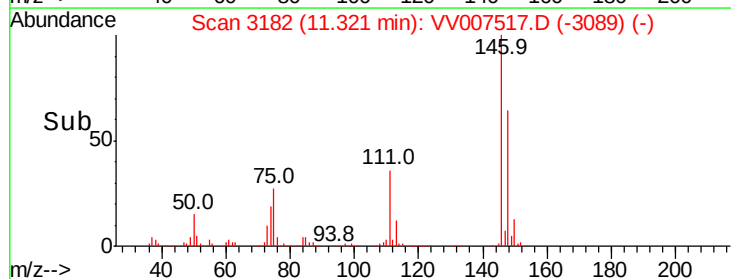
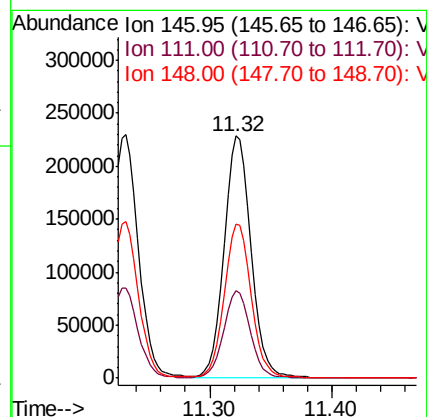
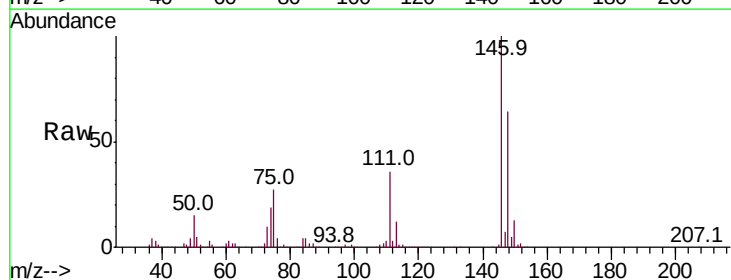
Instrument :
 MSVOA_V
 ClientSampleId :

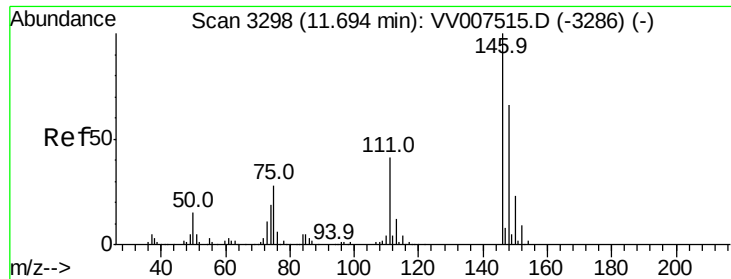
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	25.3	47.1
148	64.3	44.6	82.8



#63
 1,4-Dichlorobenzene
 Concen: 20.447 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	24.5	45.5
148	63.8	45.1	83.9

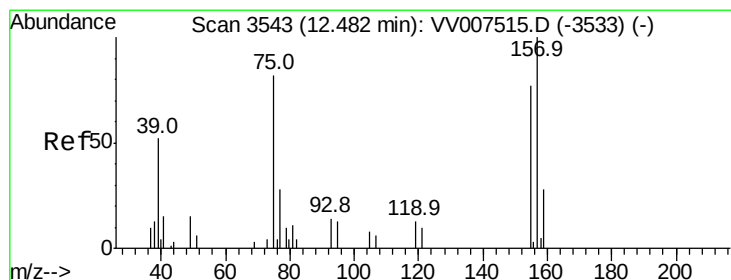
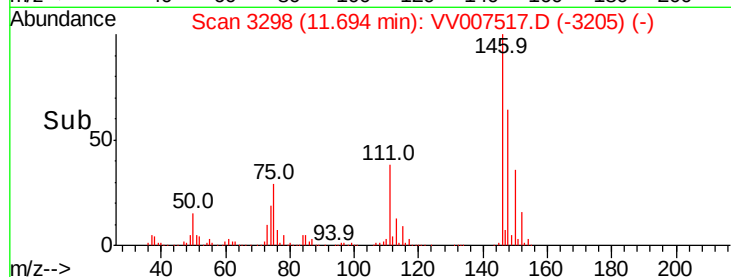
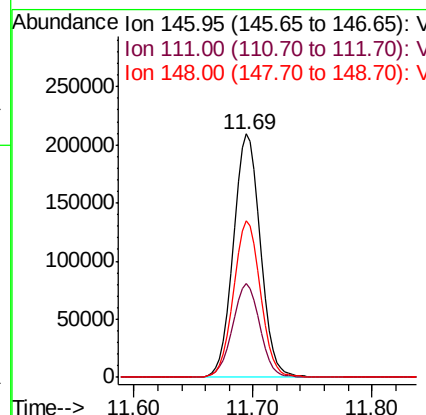
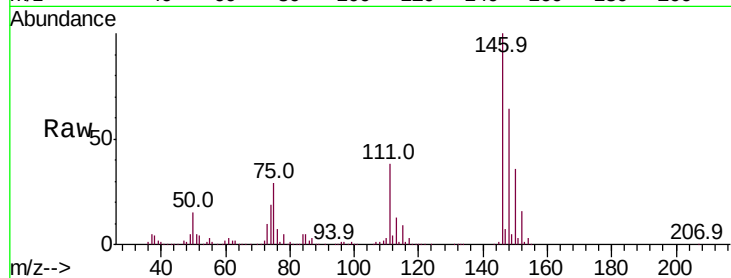




#65
 1,2-Dichlorobenzene
 Concen: 20.045 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

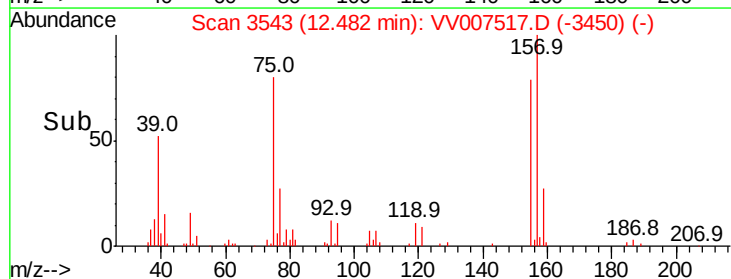
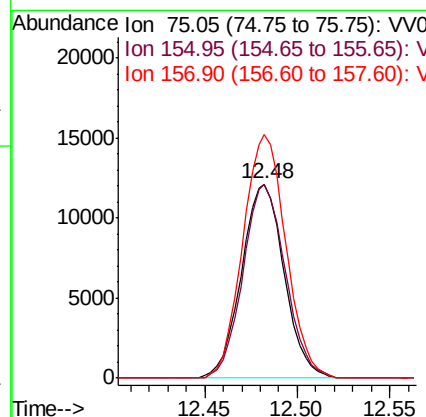
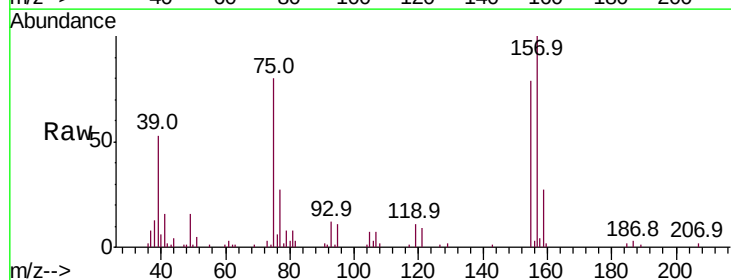
Instrument :
 MSVOA_V
 ClientSampled :

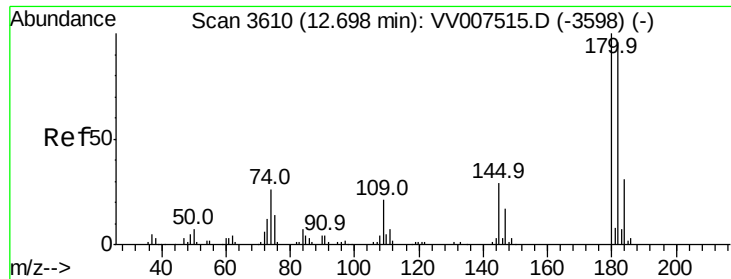
Tot Ion:146 Resp: 329333
 Ion Ratio Lower Upper
 146 100
 111 38.3 32.7 49.1
 148 64.2 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.570 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion: 75 Resp: 19311
 Ion Ratio Lower Upper
 75 100
 155 99.8 74.6 111.8
 157 125.7 97.4 146.2

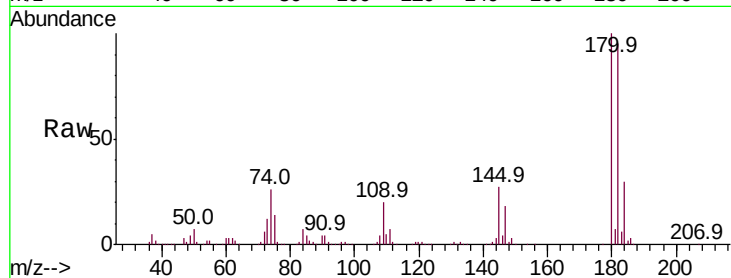




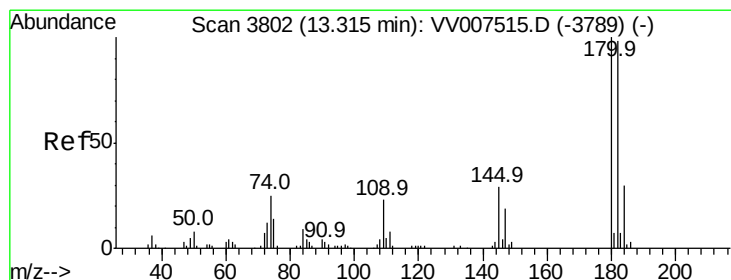
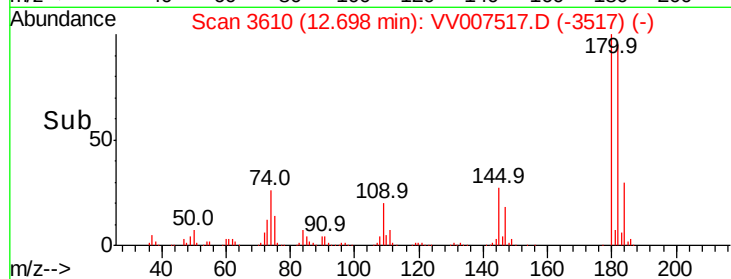
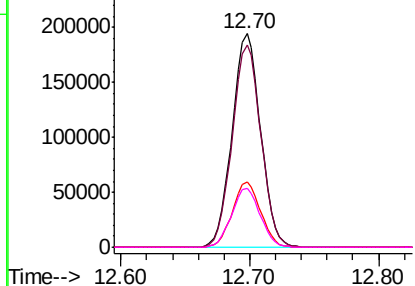
#67
 1,3,5-Trichlorobenzene
 Concen: 22.139 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	298227
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.3	24.0	36.0
145	27.7	22.6	34.0

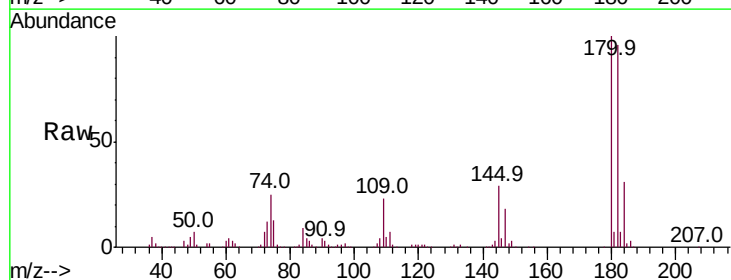


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

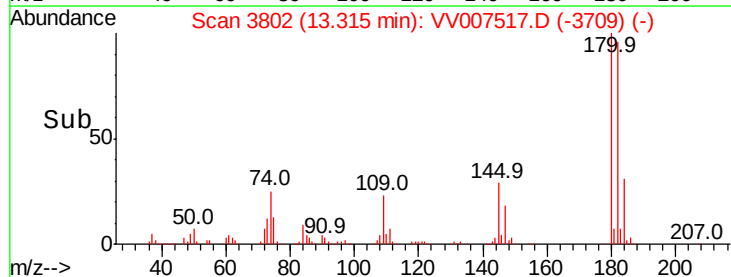
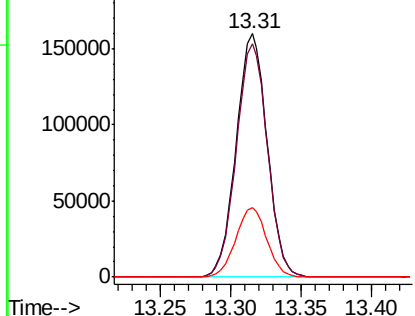


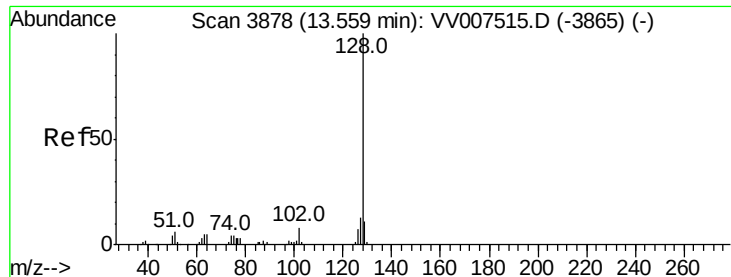
#68
 1,2,4-trichlorobenzene
 Concen: 24.229 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007517.D
 Acq: 13 Sep 2018 18:49

Tgt Ion:	180	Resp:	246246
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.8	116.8
145	28.6	22.5	33.7



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: 22.488 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

Instrument :

MSVOA_V

ClientSampled :

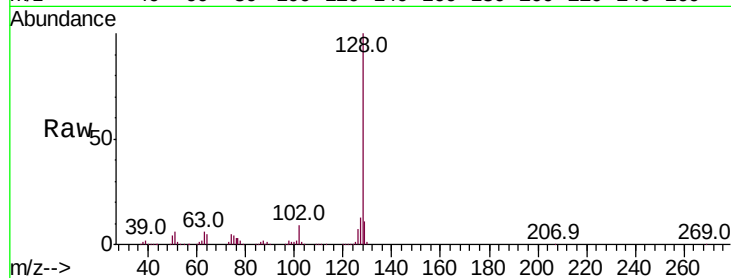
Tot Ion:128 Resp: 342832

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

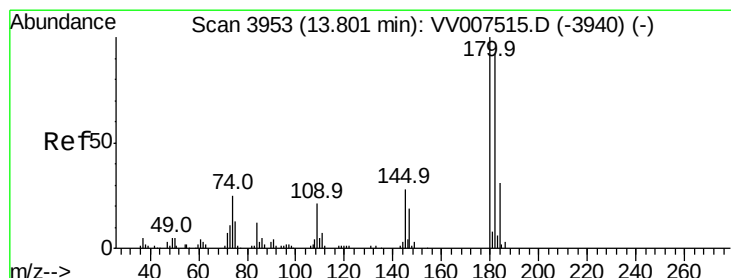
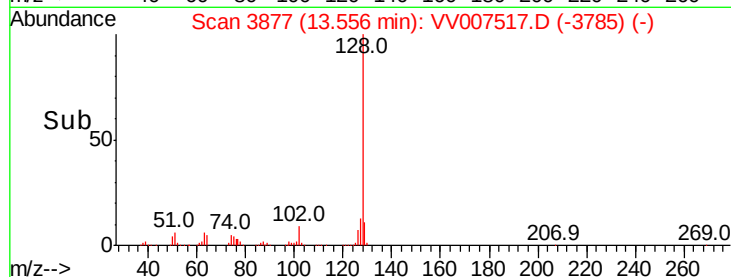
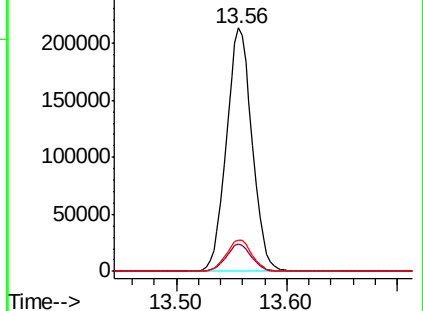
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.819 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007517.D

Acq: 13 Sep 2018 18:49

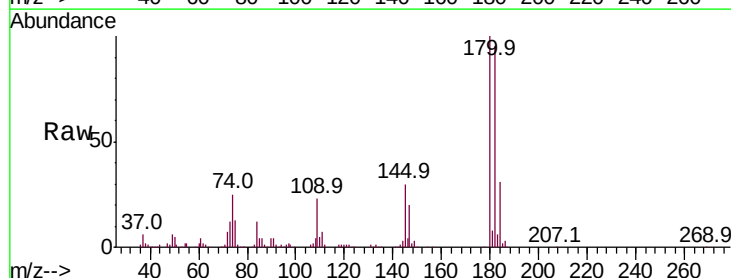
Tgt Ion:180 Resp: 216872

Ion Ratio Lower Upper

180 100

182 95.0 75.5 113.3

145 30.2 23.4 35.0



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

