

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007174.D
 Acq On : 24 Aug 2018 16:40
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:21:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	691658	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	653627	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	282955	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22608	5.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	19497	6.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	41565	5.13	ug/L	0.00
21) 2-Butanone-d5	3.96	46	32345	8.85	ug/L	0.01
24) Chloroform-d	4.41	84	45323	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	27706	4.94	ug/L	0.00
32) Benzene-d6	5.11	84	87260	4.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	30015	5.00	ug/L	0.00
41) Toluene-d8	7.37	98	71317	4.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	12297	4.75	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	12220	5.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	40043	4.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	32744	5.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	28824	4.677 ug/L	97
3) Chloromethane	1.25	50	34087	4.357 ug/L	100
5) Vinyl chloride	1.32	62	30023	4.659 ug/L	98
6) Bromomethane	1.54	94	8864	5.291 ug/L	89
8) Chloroethane	1.60	64	17976	5.052 ug/L	95
9) Trichlorofluoromethane	1.77	101	38749	4.952 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23509	4.929 ug/L	97
12) 1,1-Dichloroethene	2.14	96	22764	5.008 ug/L	97
13) Acetone	2.20	43	30157	10.708 ug/L	98
14) Carbon disulfide	2.32	76	75171	5.422 ug/L	98
15) Methyl Acetate	2.47	43	24135	4.670 ug/L	98
16) Methylene chloride	2.54	84	26286	5.033 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	24715	5.025 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	68770	4.574 ug/L	99
19) 1,1-Dichloroethane	3.23	63	48538	4.789 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	26910	4.692 ug/L	97
22) 2-Butanone	4.05	43	41864	9.405 ug/L	99
23) Bromochloromethane	4.31	128	14233	4.843 ug/L	94
25) Chloroform	4.44	83	46401	4.670 ug/L	93
27) 1,2-Dichloroethane	5.19	62	33231	4.427 ug/L	100
29) Cyclohexane	4.73	56	34252	4.224 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	38637	4.714 ug/L	99
31) Carbon tetrachloride	4.88	117	32815	4.749 ug/L	98
33) Benzene	5.15	78	98135	4.450 ug/L	100
34) Trichloroethene	5.96	95	25981	4.932 ug/L	97
35) Methylcyclohexane	6.18	83	35295	4.195 ug/L	96
37) 1,2-Dichloropropane	6.23	63	26437	4.492 ug/L	# 96
38) Bromodichloromethane	6.56	83	33696	4.784 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	33426	4.196 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	56776	7.971 ug/L	98

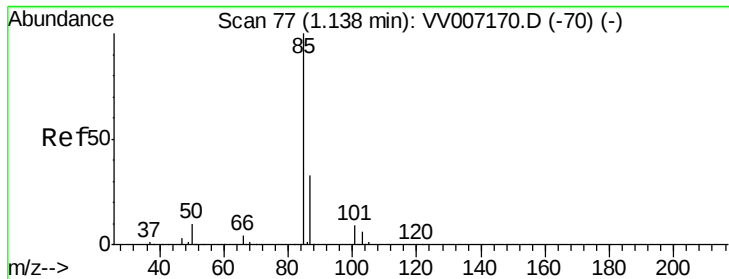
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007174.D
 Acq On : 24 Aug 2018 16:40
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:21:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	87225	4.091	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	31136	4.208	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	24132	4.397	ug/L	96
46) Tetrachloroethene	8.02	164	20566	4.796	ug/L	96
48) 2-Hexanone	8.20	43	46764	8.277	ug/L	93
49) Dibromochloromethane	8.30	129	24624	4.460	ug/L	96
50) 1,2-Dibromoethane	8.40	107	24936	4.599	ug/L	95
51) Chlorobenzene	8.93	112	67760	4.790	ug/L	98
52) Ethylbenzene	9.06	91	90809	4.189	ug/L	100
53) m,p-Xylene	9.19	106	33616	4.053	ug/L	96
54) o-xylene	9.59	106	30709	3.827	ug/L	98
55) Styrene	9.61	104	51722	3.738	ug/L	100
56) Isopropylbenzene	9.98	105	79332	3.911	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	41876	4.467	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	32992	4.379	ug/L	95
61) Bromoform	9.78	173	17733	4.660	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	45916	5.040	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	52683	5.455	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	49065	4.931	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6527	4.655	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	32209	5.116	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	20489	4.762	ug/L	98
69) Naphthalene	13.56	128	51132	4.393	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	21669	4.639	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 4.677 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

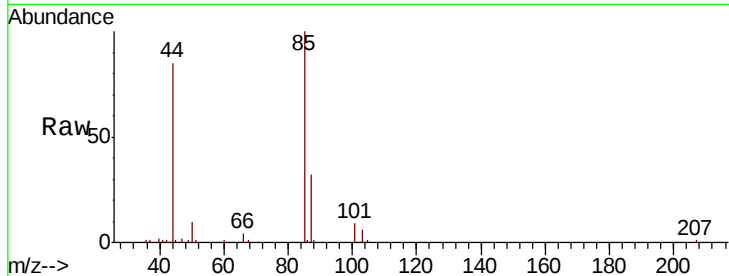
ClientSampleId :

Tot Ion: 85 Resp: 28824

Ion Ratio Lower Upper

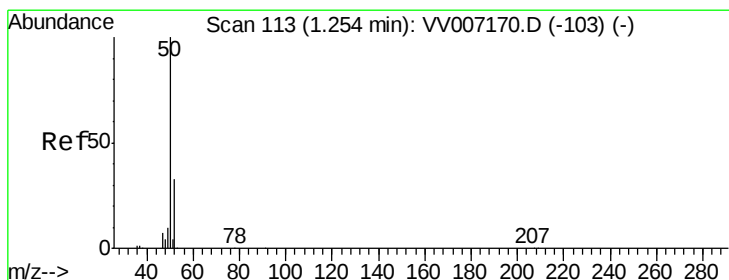
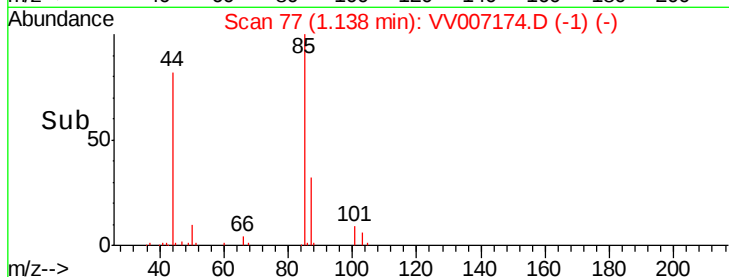
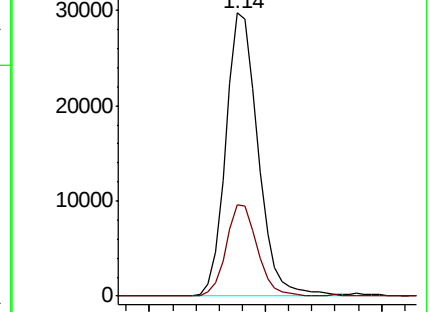
85 100

87 30.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007170.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007170.D (-70) (-)



#3

Chloromethane

Concen: 4.357 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007174.D

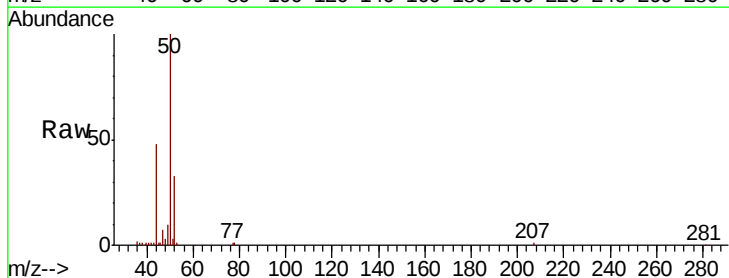
Acq: 24 Aug 2018 16:40

Tgt Ion: 50 Resp: 34087

Ion Ratio Lower Upper

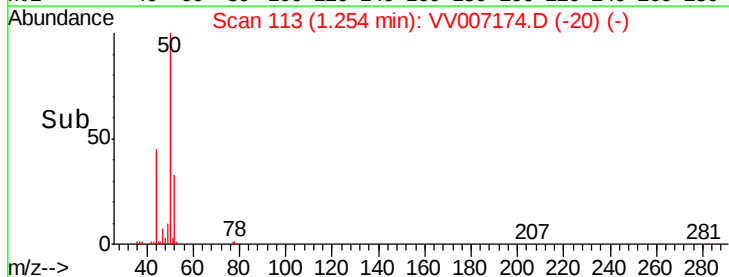
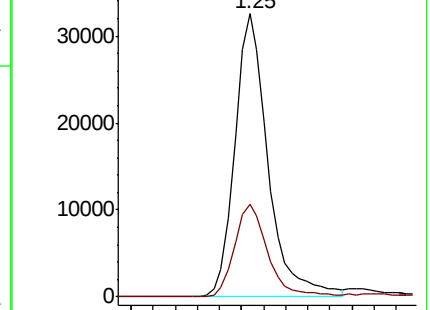
50 100

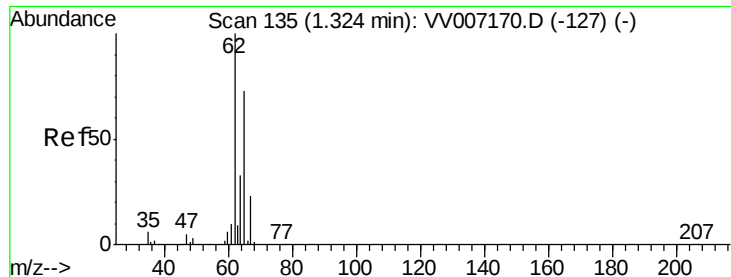
52 32.7 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007170.D (-103) (-)

Ion 52.00 (51.70 to 52.70): VV007170.D (-103) (-)





#5

Vinyl chloride

Concen: 4.659 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

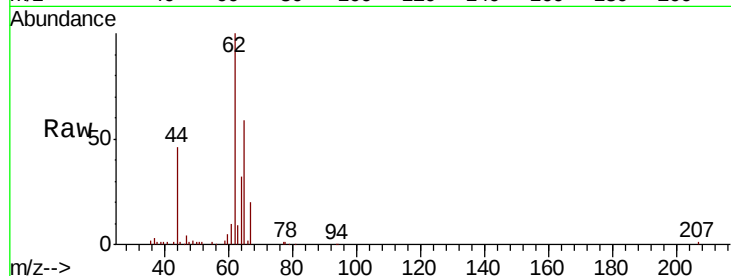
ClientSampleId :

Tot Ion: 62 Resp: 30023

Ion Ratio Lower Upper

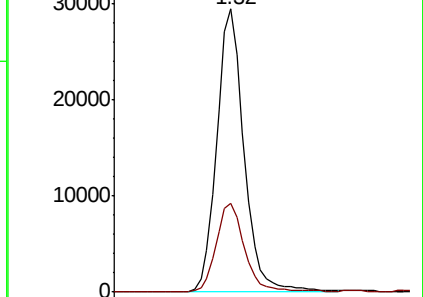
62 100

64 31.5 22.9 42.5

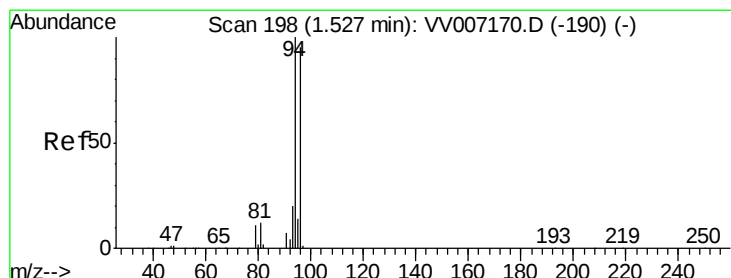
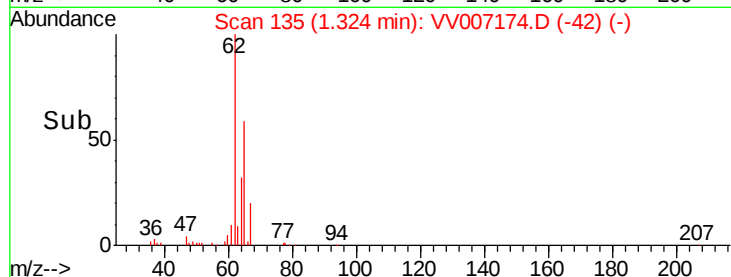


Abundance Ion 62.00 (61.70 to 62.70): VV007170.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007170.D (-127) (-)



Time-->



#6

Bromomethane

Concen: 5.291 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.01 min

Lab File: VV007174.D

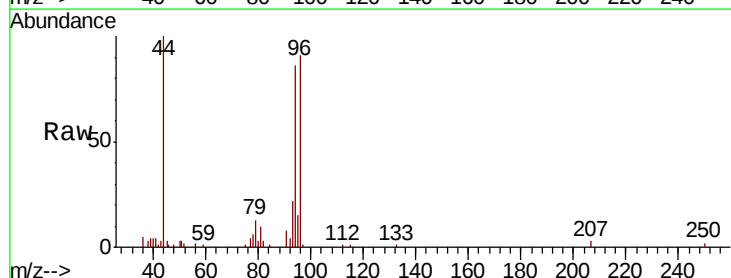
Acq: 24 Aug 2018 16:40

Tgt Ion: 94 Resp: 8864

Ion Ratio Lower Upper

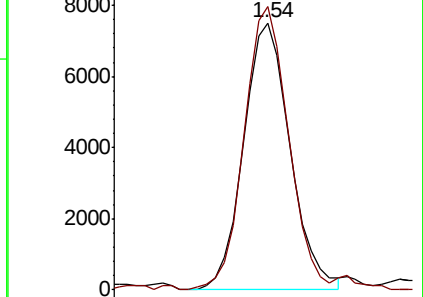
94 100

96 106.0 66.7 123.9

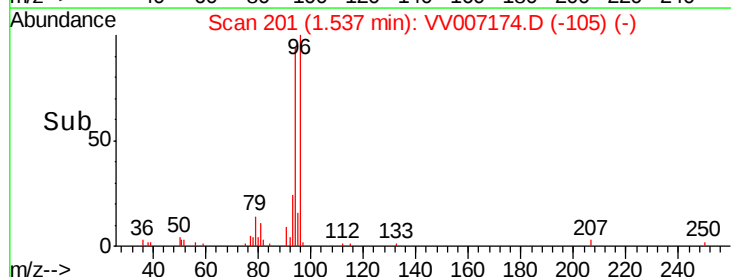


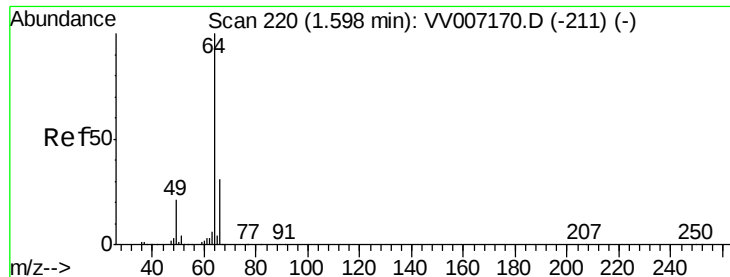
Abundance Ion 94.00 (93.70 to 94.70): VV007170.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007170.D (-190) (-)



Time-->

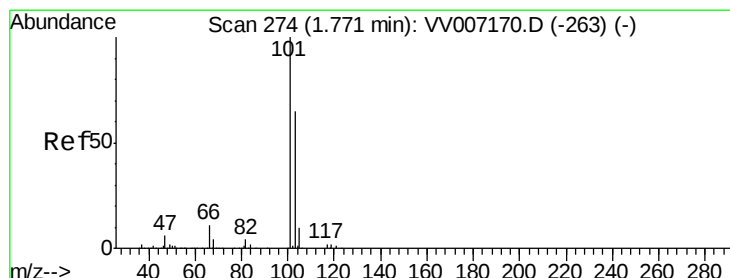
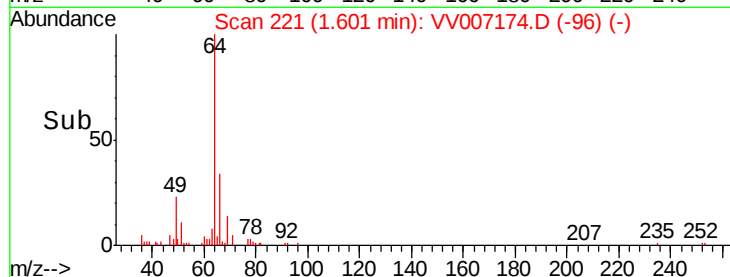
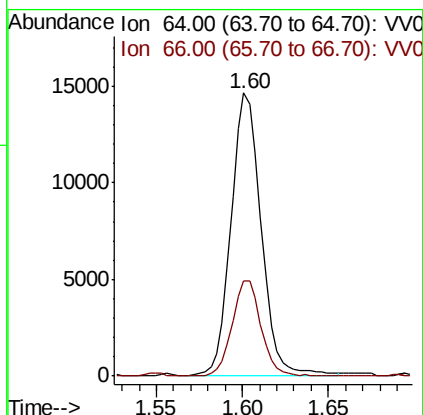
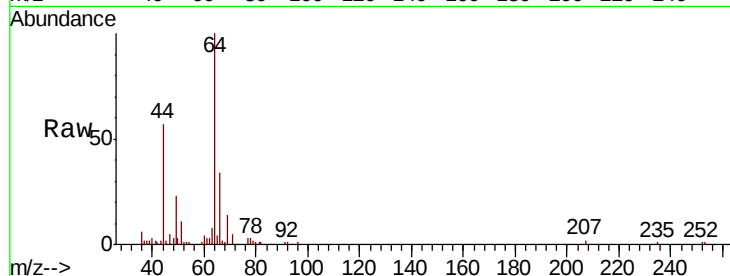




#8
Chloroethane
Concen: 5.052 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

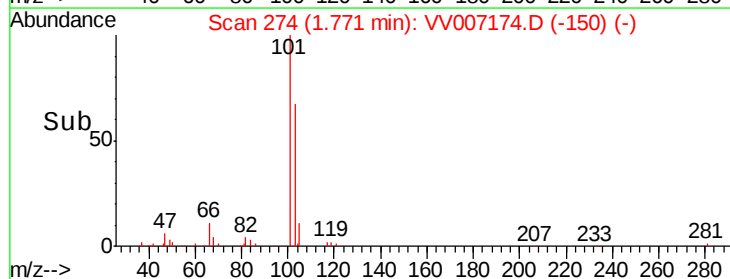
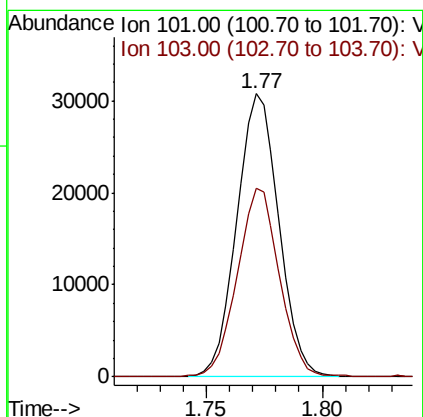
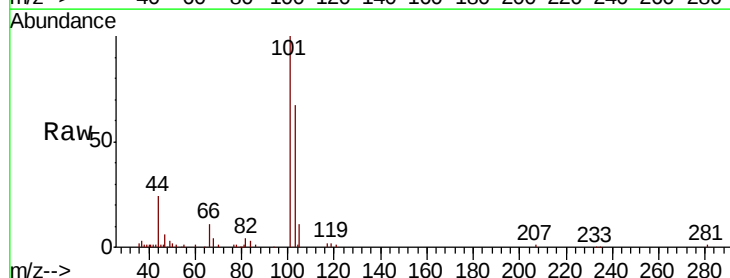
Instrument :
MSVOA_V
ClientSampleId :

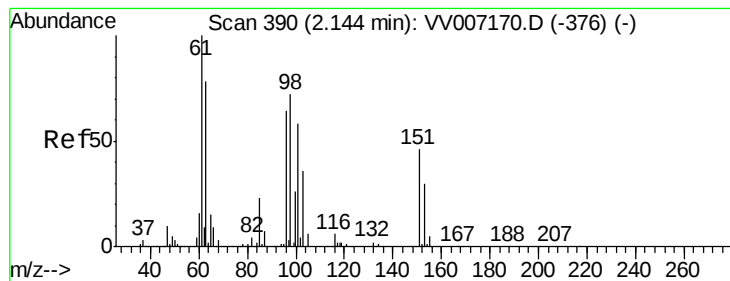
Tot Ion: 64 Resp: 17976
Ion Ratio Lower Upper
64 100
66 33.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.952 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

Tgt Ion:101 Resp: 38749
Ion Ratio Lower Upper
101 100
103 66.5 51.2 76.8





#10

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

Concen: 4.929 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

ClientSampleId :

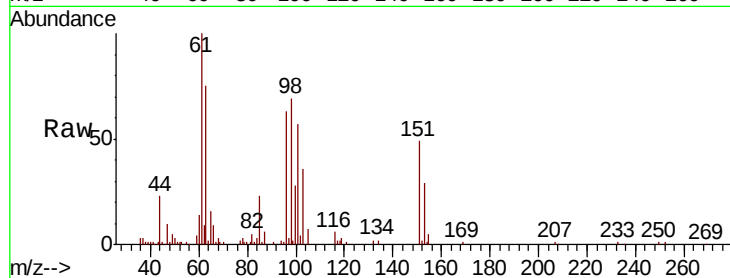
Tot Ion:101 Resp: 23509

Ion Ratio Lower Upper

101 100

85 40.9 31.8 47.8

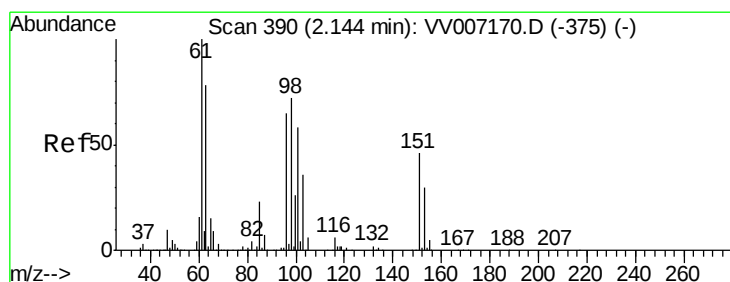
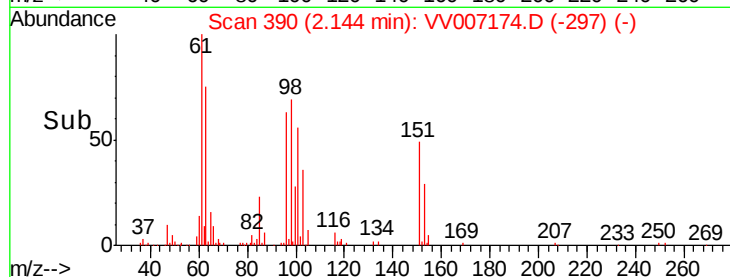
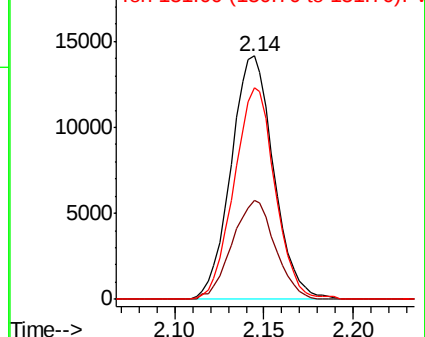
151 83.1 64.0 96.0



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: 5.008 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

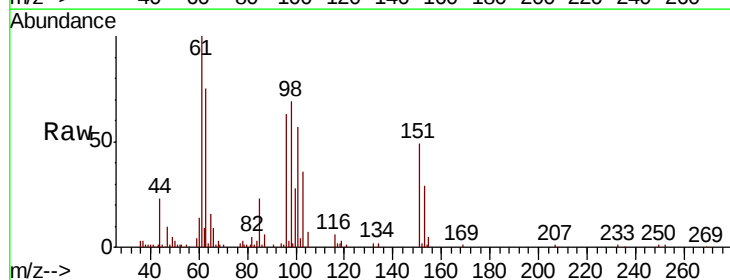
Tgt Ion: 96 Resp: 22764

Ion Ratio Lower Upper

96 100

61 159.3 108.5 201.5

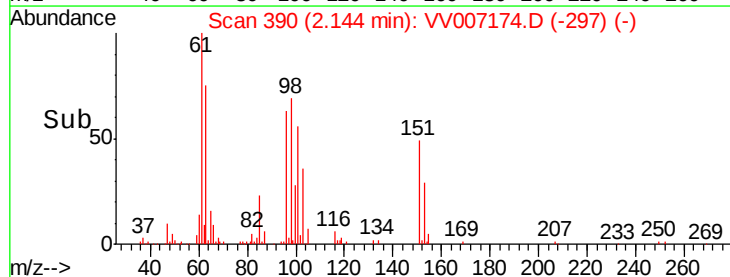
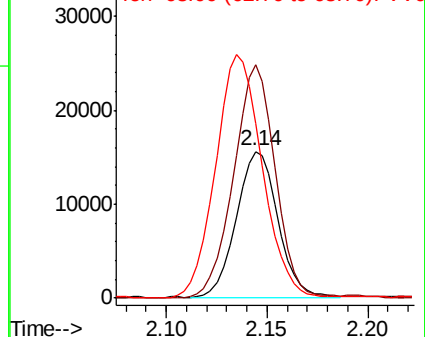
63 119.0 84.9 157.7

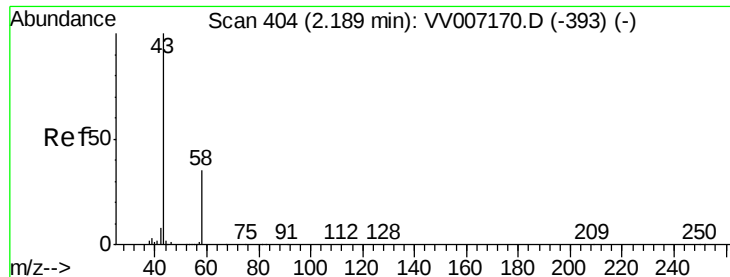


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 10.708 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

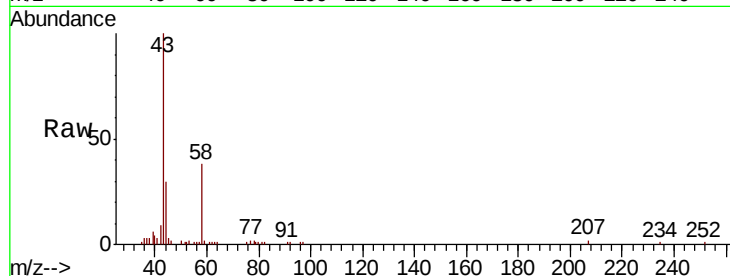
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 30157

Ion Ratio Lower Upper

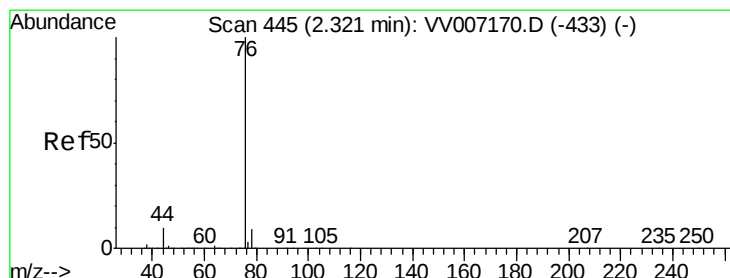
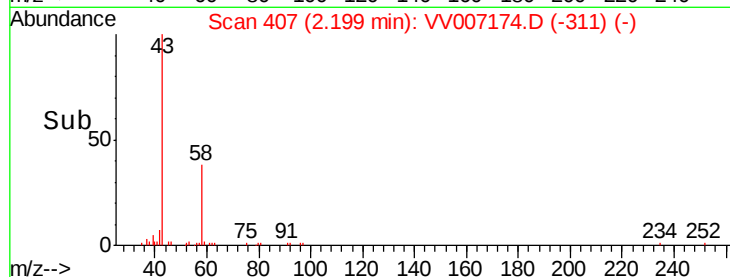
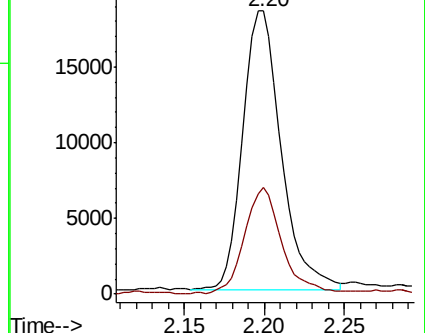
43 100

58 37.4 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV007170.D (-393) (-)

Ion 58.00 (57.70 to 58.70): VV007170.D (-393) (-)



#14

Carbon disulfide

Concen: 5.422 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007174.D

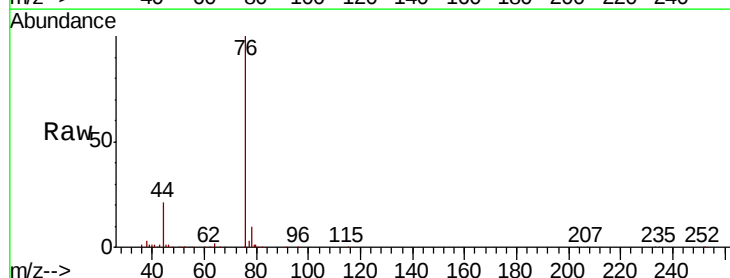
Acq: 24 Aug 2018 16:40

Tgt Ion: 76 Resp: 75171

Ion Ratio Lower Upper

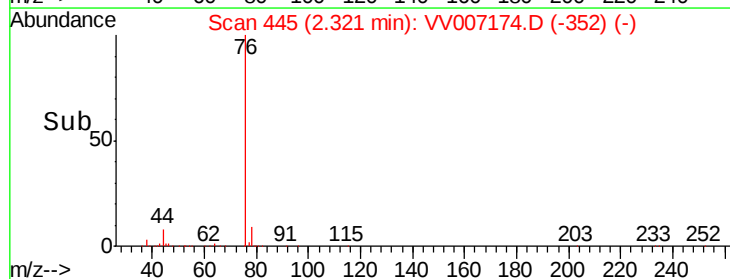
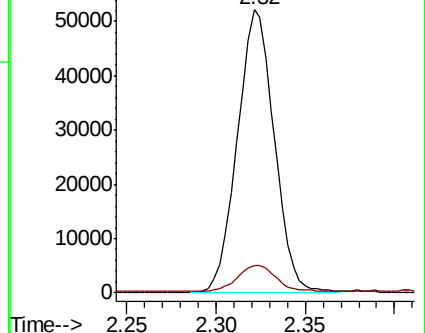
76 100

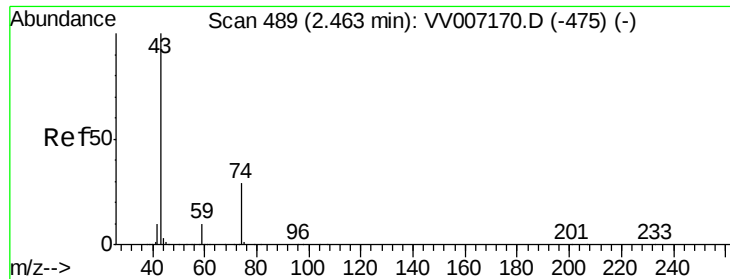
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007170.D (-433) (-)

Ion 78.00 (77.70 to 78.70): VV007170.D (-433) (-)

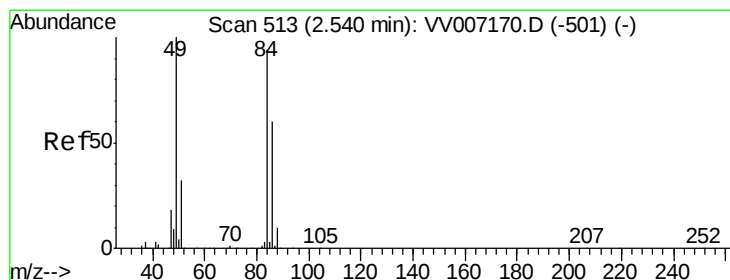
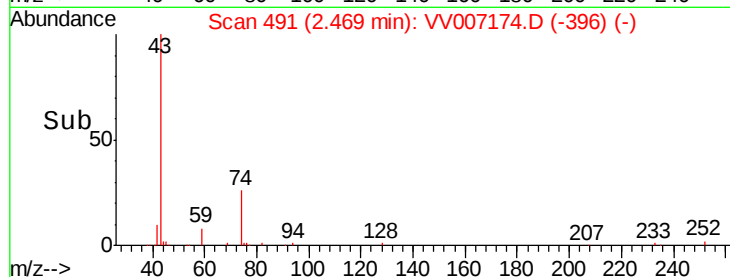
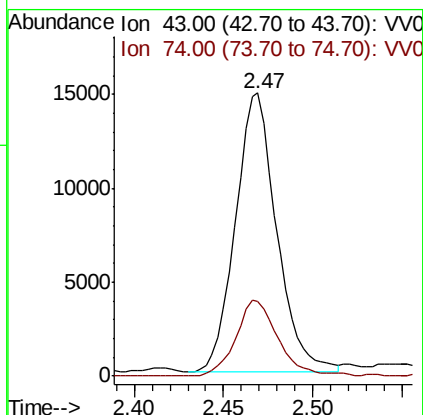
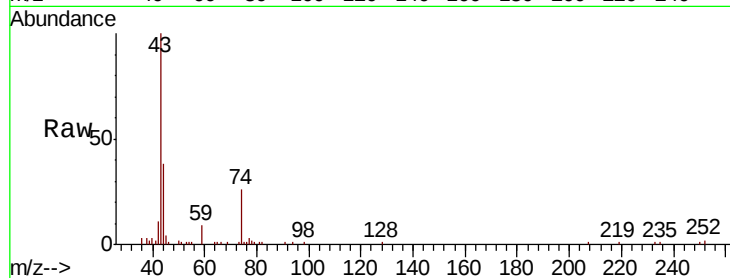




#15
Methvl Acetate
Concen: 4.670 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.01 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

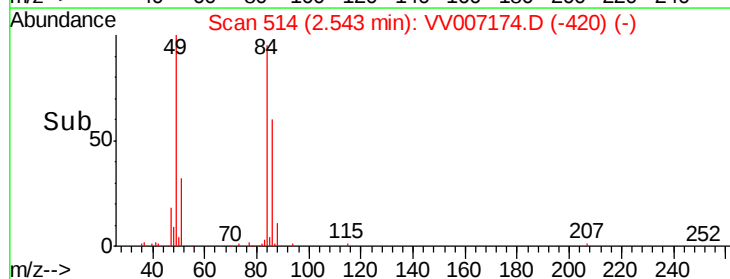
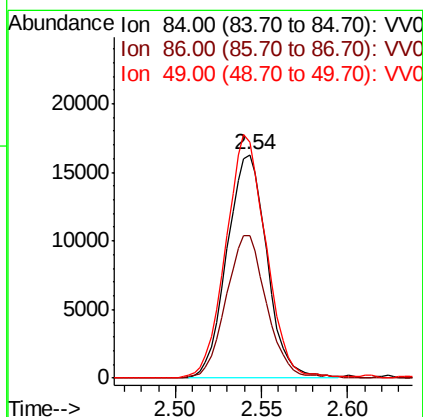
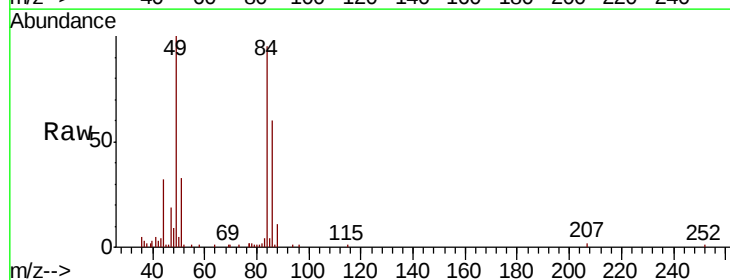
Instrument :
MSVOA_V
ClientSampleId :

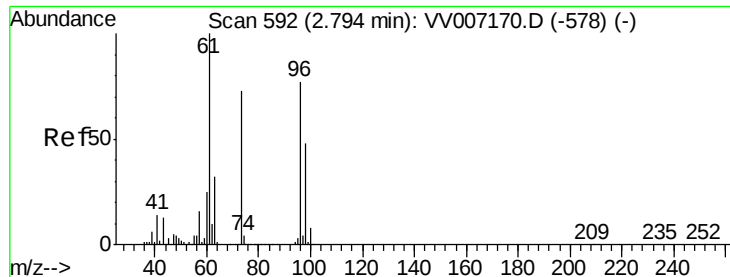
Tot Ion: 43 Resp: 24135
Ion Ratio Lower Upper
43 100
74 27.2 22.6 33.8



#16
Methylene chloride
Concen: 5.033 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

Tgt Ion: 84 Resp: 26286
Ion Ratio Lower Upper
84 100
86 63.6 44.9 83.3
49 105.5 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 5.025 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

ClientSampleId :

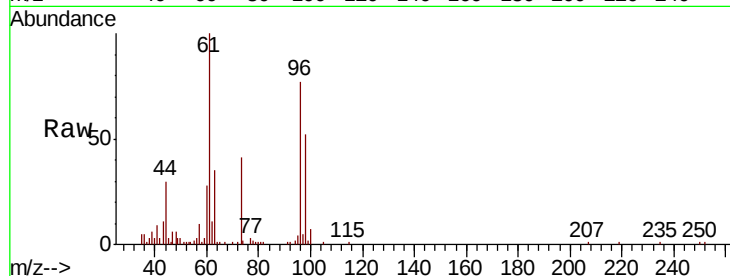
Tot Ion: 96 Resp: 24715

Ion Ratio Lower Upper

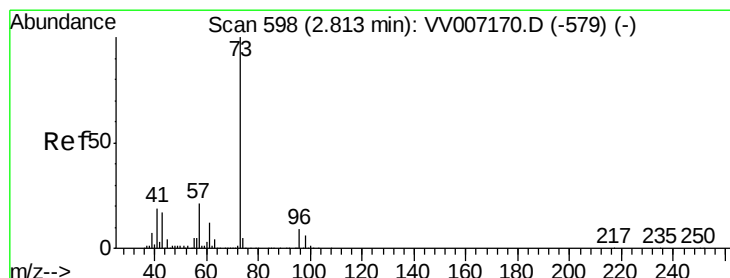
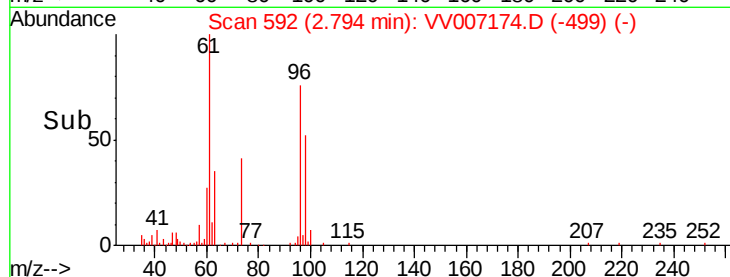
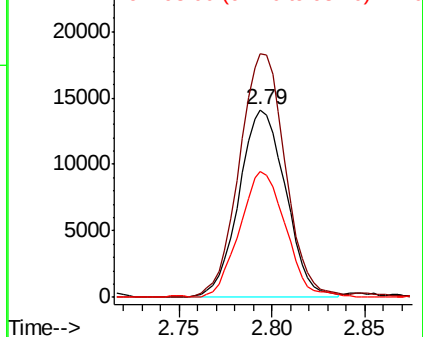
96 100

61 129.9 90.6 168.2

98 67.4 43.8 81.3



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



#18

Methyl tert-butyl Ether

Concen: 4.574 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

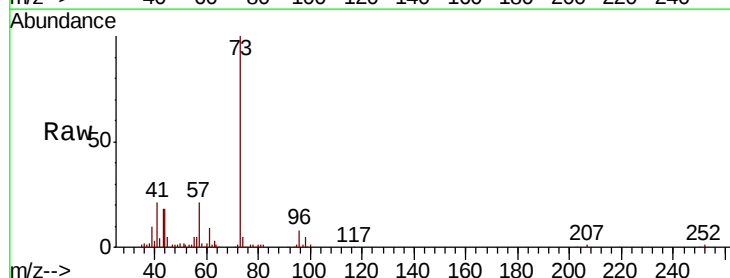
Tgt Ion: 73 Resp: 68770

Ion Ratio Lower Upper

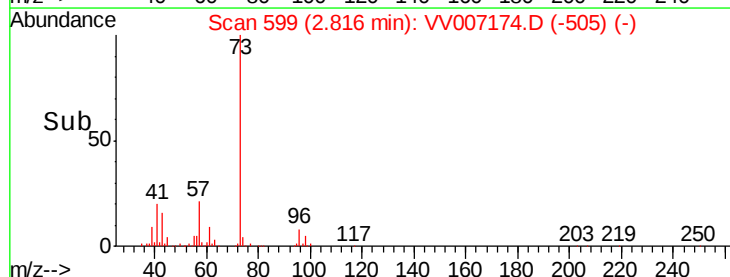
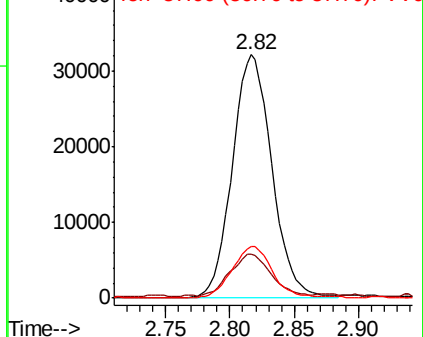
73 100

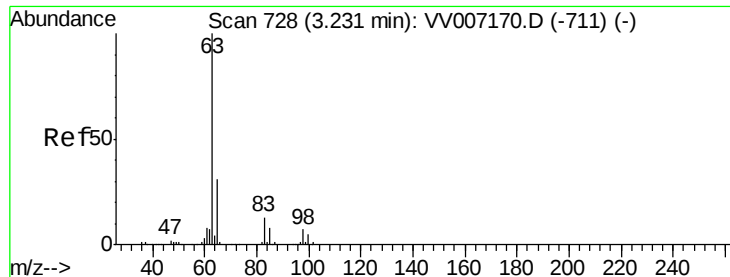
43 17.3 13.7 20.5

57 20.7 16.8 25.2



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

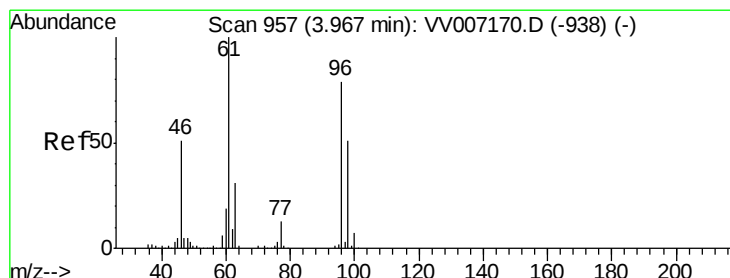
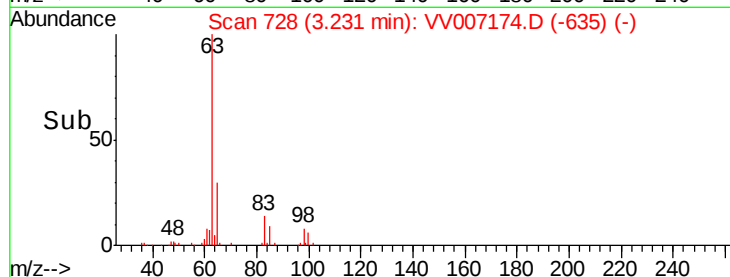
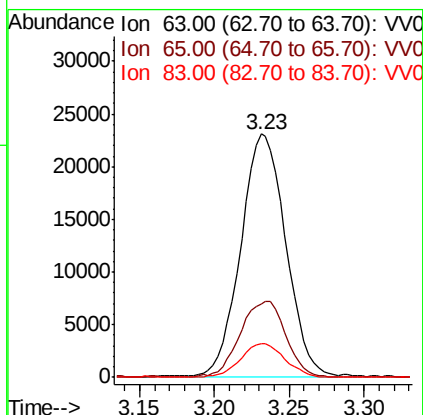
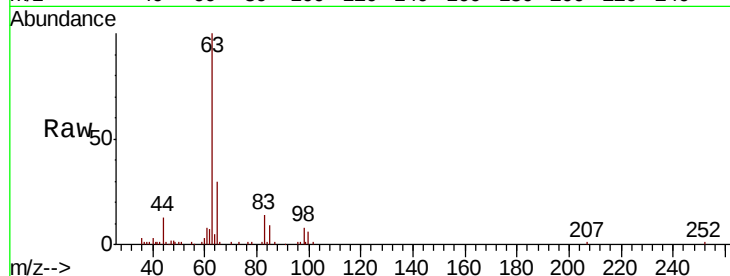




#19
 1,1-Dichloroethane
 Concen: 4.789 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

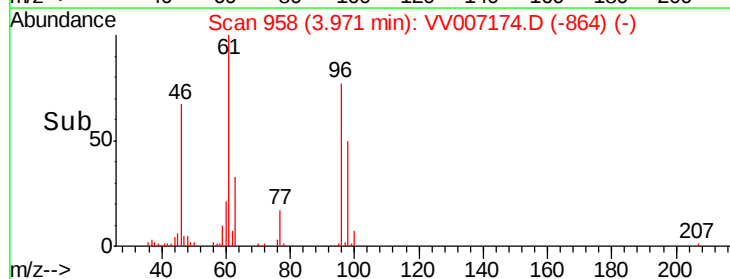
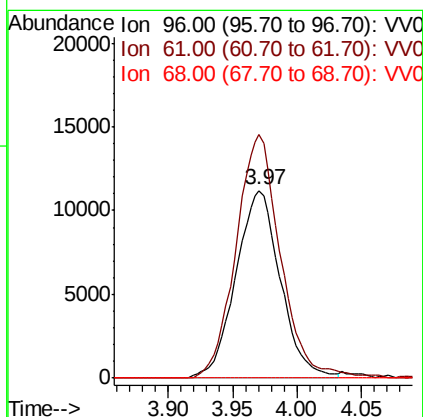
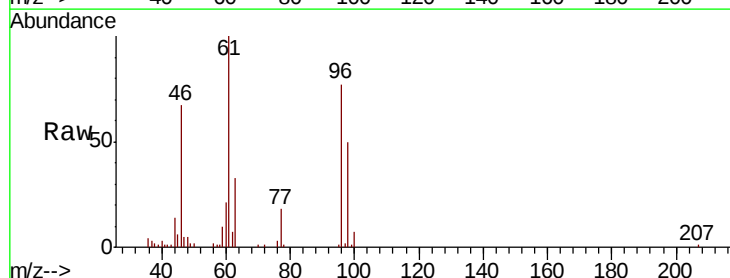
Instrument :
 MSVOA_V
 ClientSampled :

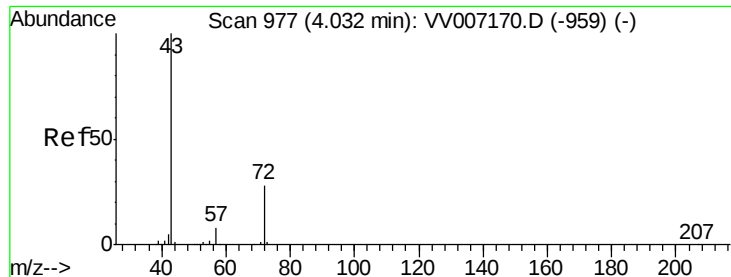
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	21.8	40.4
83	14.1	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 4.692 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.8	88.2	163.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 9.405 ug/L

RT: 4.05 min Scan# 982

Delta R.T. 0.02 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

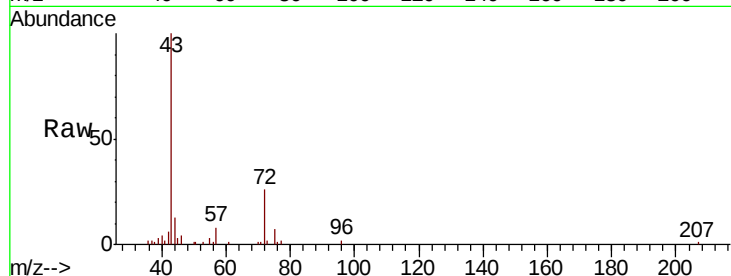
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 41864

Ion Ratio Lower Upper

43 100

72 26.2 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV007170.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VV007170.D (-959) (-)

4.05

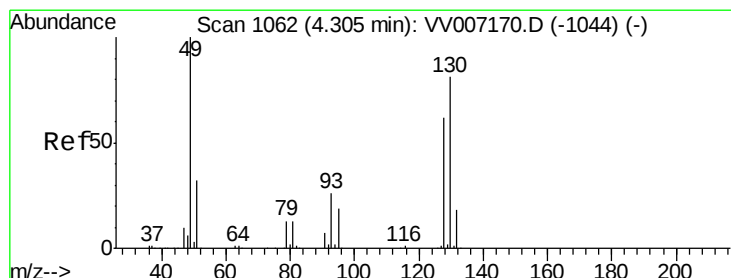
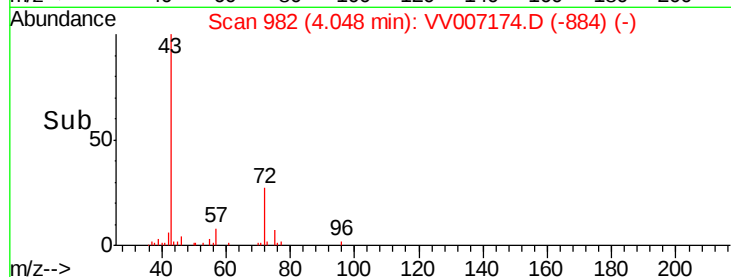
15000

10000

5000

0

Time-->



#23

Bromochloromethane

Concen: 4.843 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Tgt Ion: 128 Resp: 14233

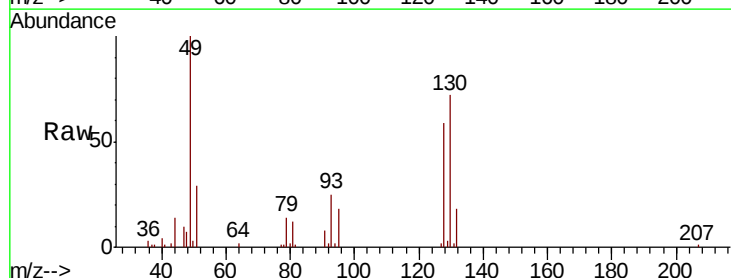
Ion Ratio Lower Upper

128 100

49 170.7 112.5 208.9

130 123.3 90.6 168.2

51 49.9 40.7 61.1



Abundance Ion 128.00 (127.70 to 128.70): VV007170.D (-1044) (-)

Ion 49.00 (48.70 to 49.70): VV007170.D (-1044) (-)

Ion 130.00 (129.70 to 130.70): VV007170.D (-1044) (-)

Ion 51.00 (50.70 to 51.70): VV007170.D (-1044) (-)

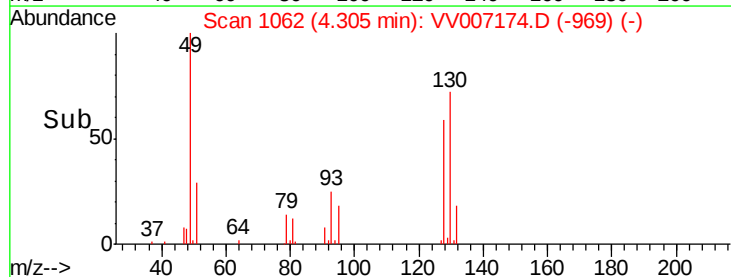
15000

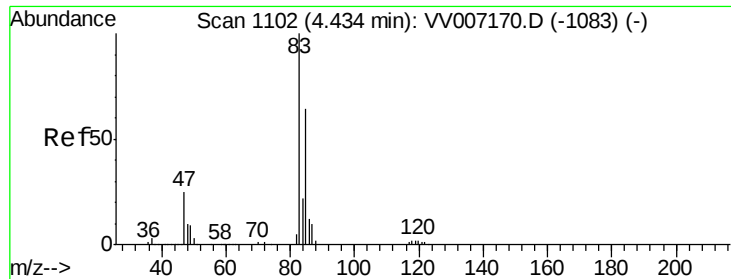
10000

5000

0

Time-->

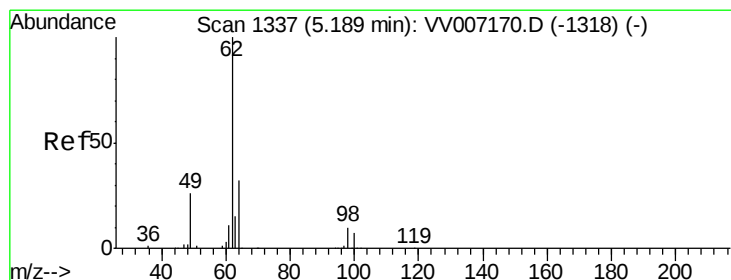
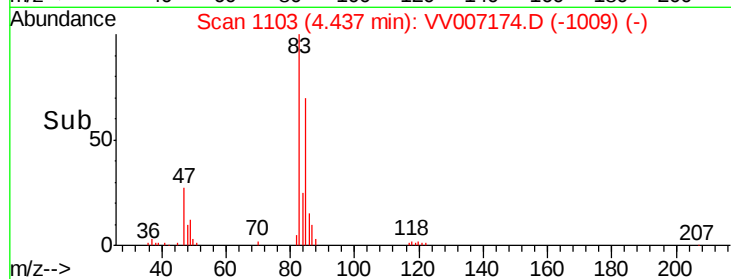
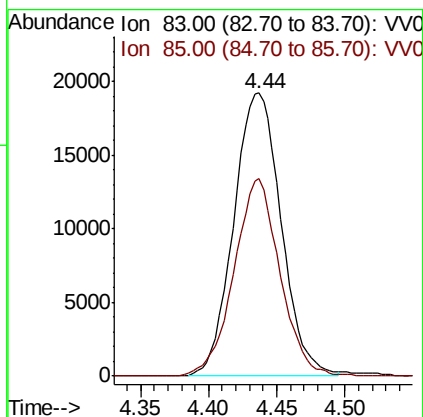
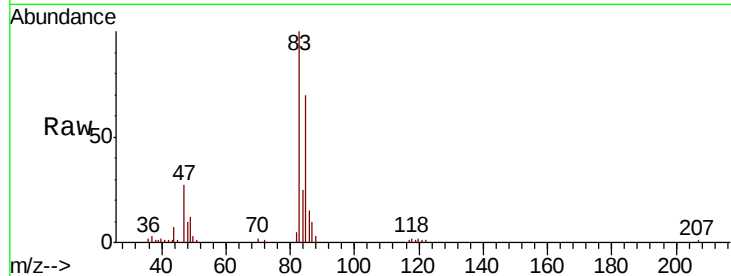




#25
Chloroform
Concen: 4.670 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

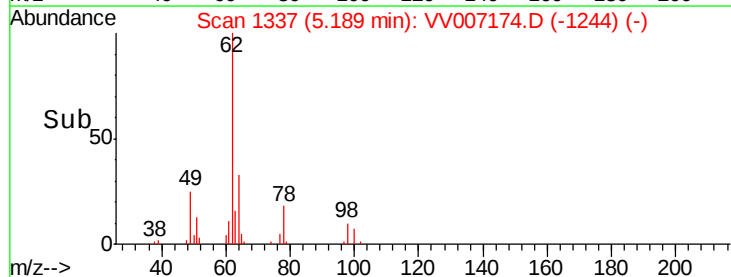
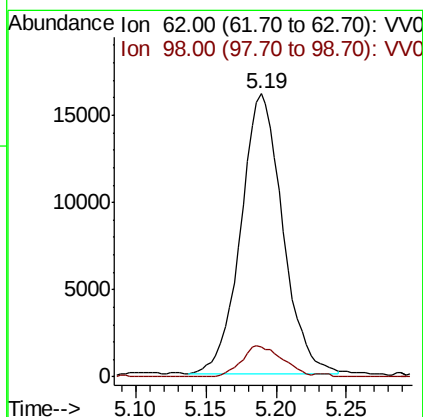
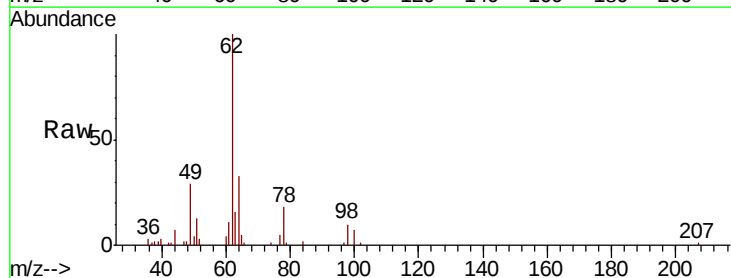
Instrument :
MSVOA_V
ClientSampleId :

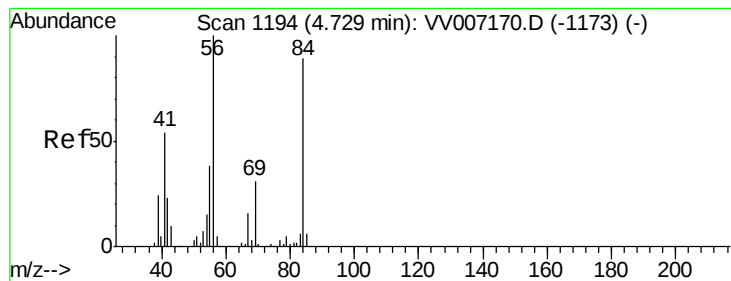
Tot Ion: 83 Resp: 46401
Ion Ratio Lower Upper
83 100
85 69.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.427 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

Tgt Ion: 62 Resp: 33231
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5





#29

Cyclohexane

Concen: 4.224 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :
MSVOA_V
ClientSampleId :

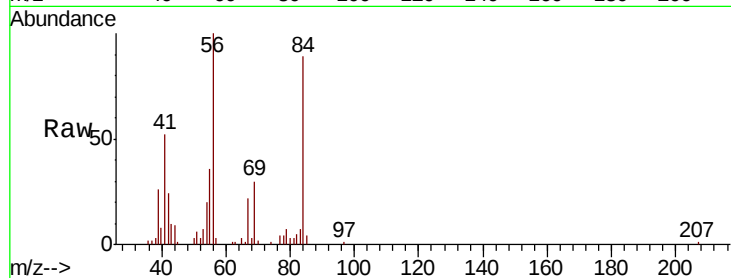
Tot Ion: 56 Resp: 34252

Ion Ratio Lower Upper

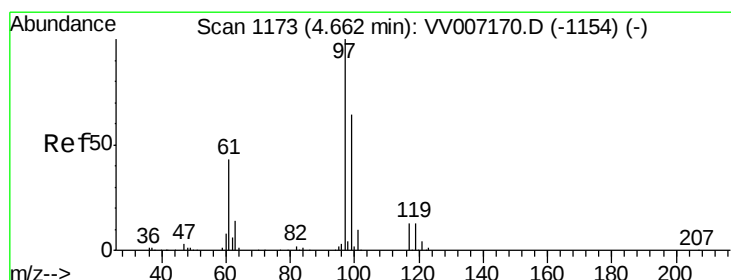
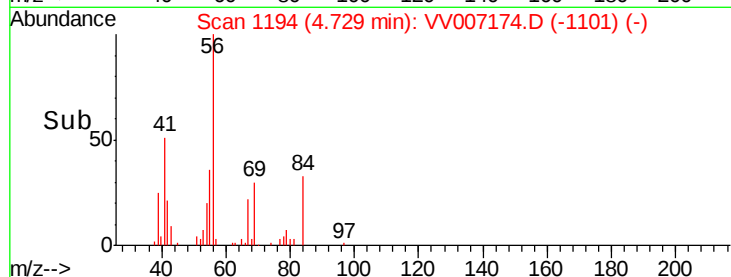
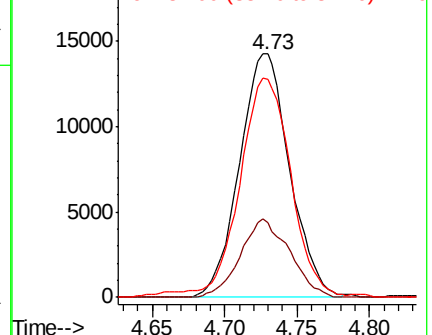
56 100

69 31.5 24.6 36.8

84 88.7 70.8 106.2



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



#30

1,1,1-Trichloroethane

Concen: 4.714 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

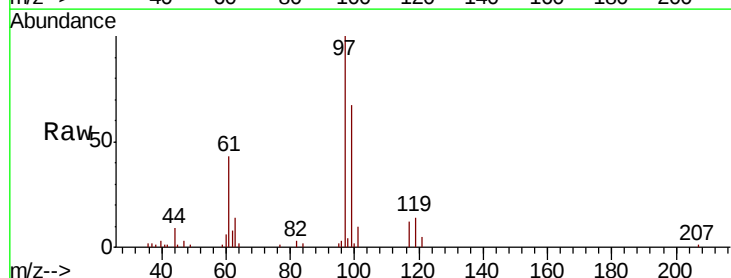
Tgt Ion: 97 Resp: 38637

Ion Ratio Lower Upper

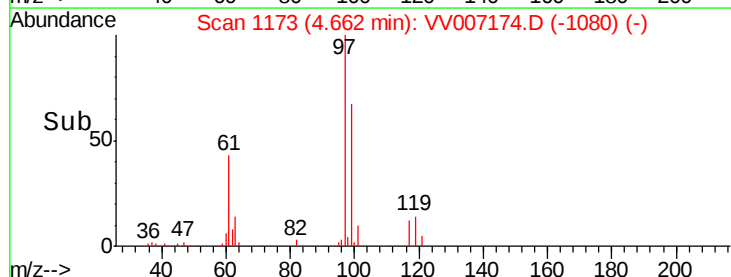
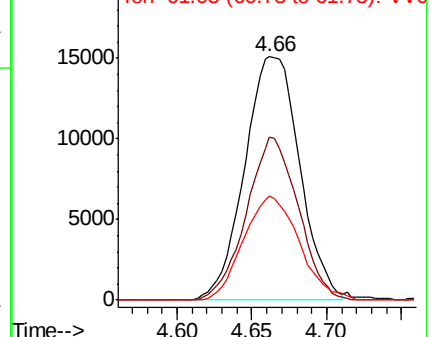
97 100

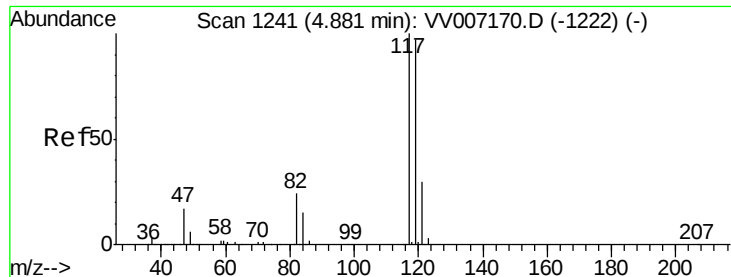
99 62.9 51.6 77.4

61 43.2 34.3 51.5



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

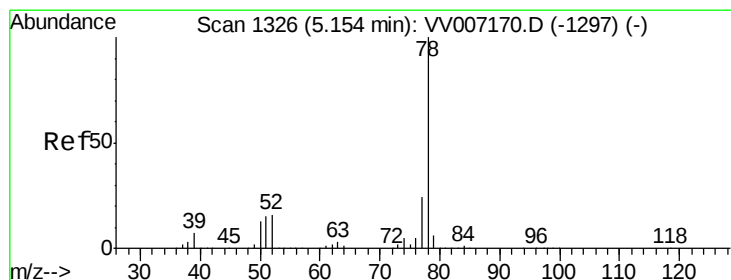
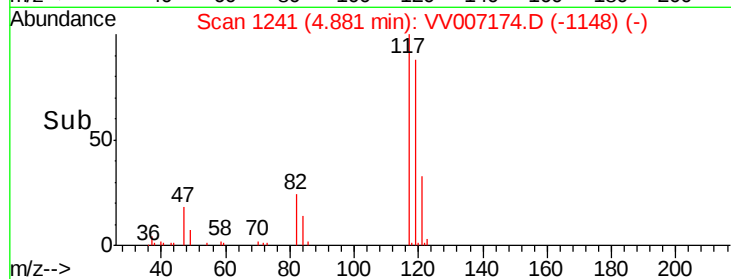
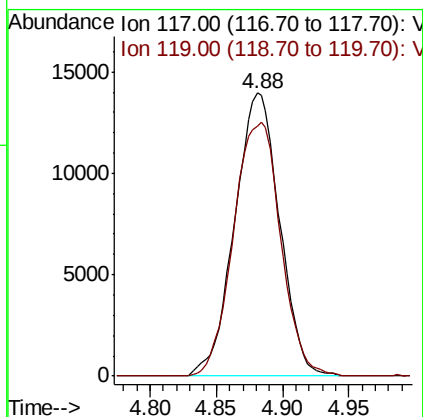
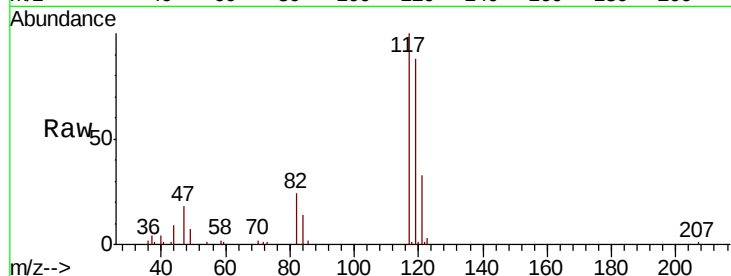




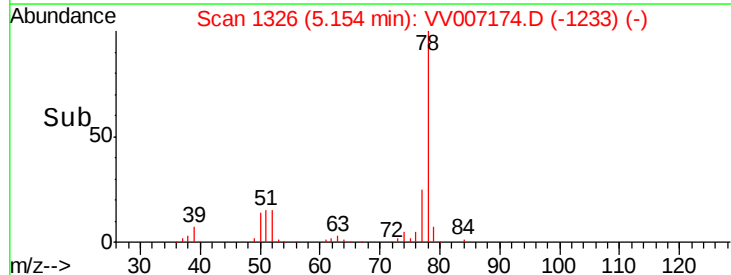
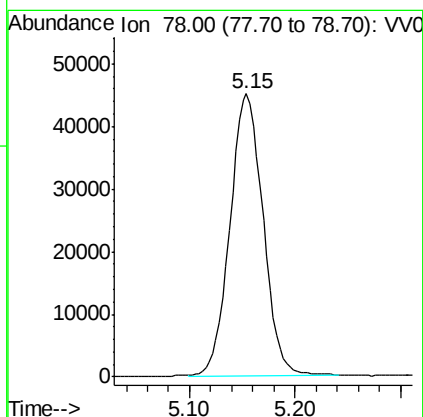
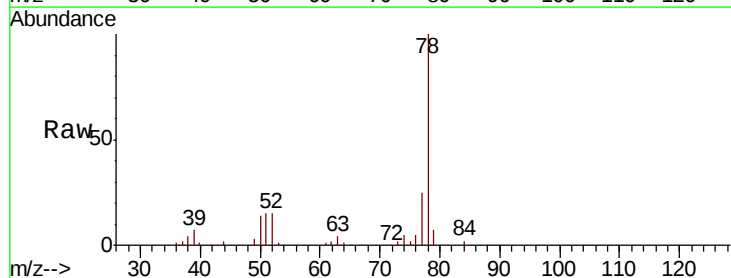
#31
Carbon tetrachloride
Concen: 4.749 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

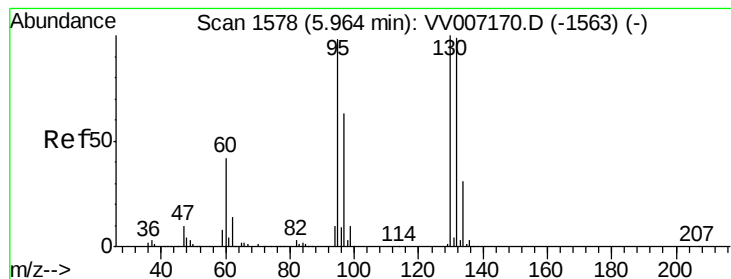
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 32815
Ion Ratio Lower Upper
117 100
119 94.4 76.9 115.3



#33
Benzene
Concen: 4.450 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40
Tgt Ion: 78 Resp: 98135





#34

Trichloroethene

Concen: 4.932 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 25981

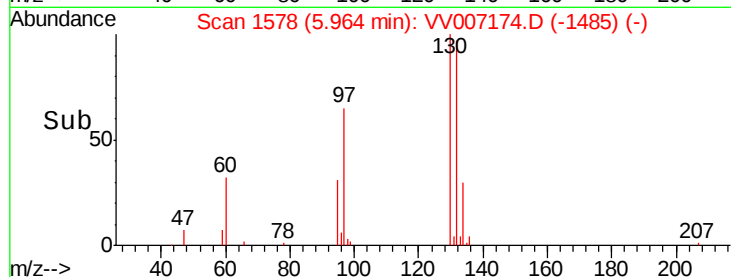
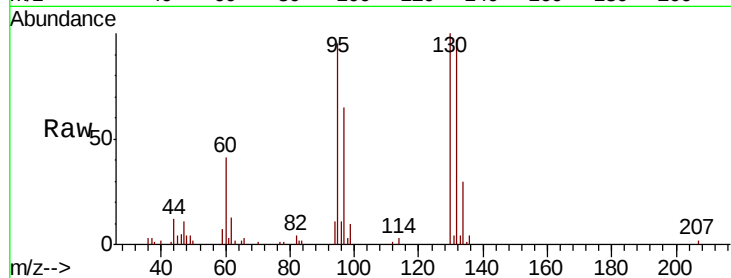
Ion Ratio Lower Upper

95 100

97 68.9 45.4 84.2

132 103.0 70.8 131.4

130 105.7 71.7 133.3

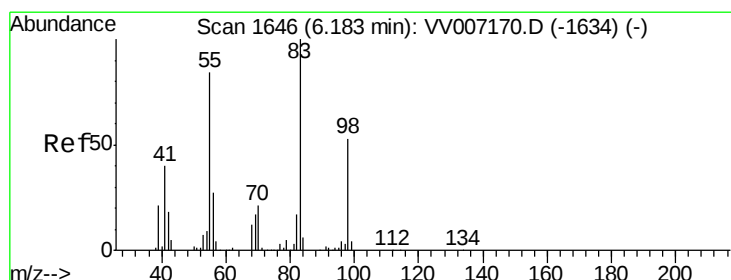
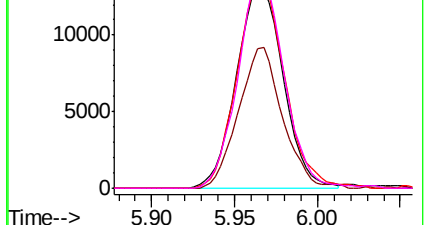


Abundance Ion 95.00 (94.70 to 95.70): VV007174.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VV007174.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VV007174.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VV007174.D (-1485) (-)



#35

Methylcyclohexane

Concen: 4.195 ug/L

RT: 6.18 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

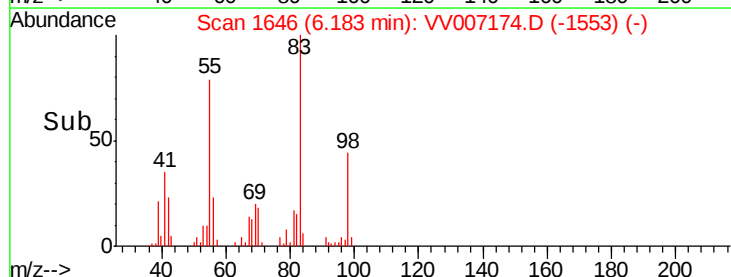
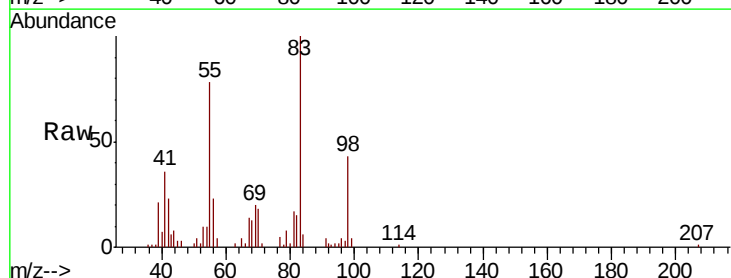
Tgt Ion: 83 Resp: 35295

Ion Ratio Lower Upper

83 100

55 83.4 62.2 93.2

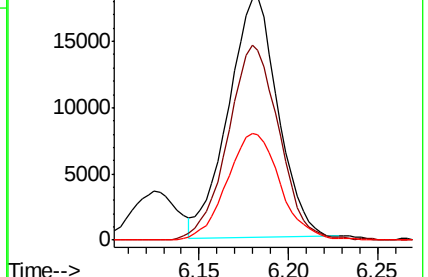
98 47.3 37.9 56.9

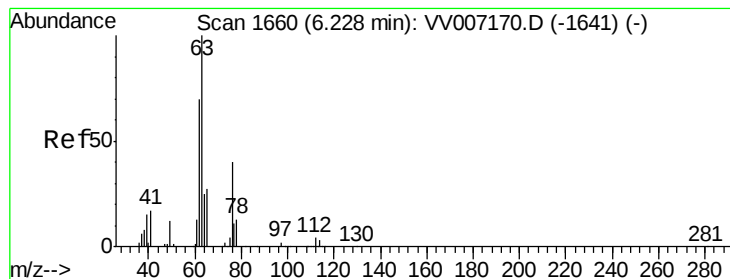


Abundance Ion 83.00 (82.70 to 83.70): VV007174.D (-1553) (-)

Ion 55.00 (54.70 to 55.70): VV007174.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VV007174.D (-1553) (-)





#37

1,2-Dichloropropane

Concen: 4.492 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

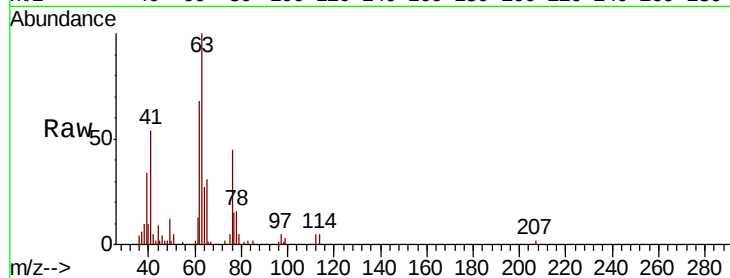
ClientSampled :

Tot Ion: 63 Resp: 26437

Ion Ratio Lower Upper

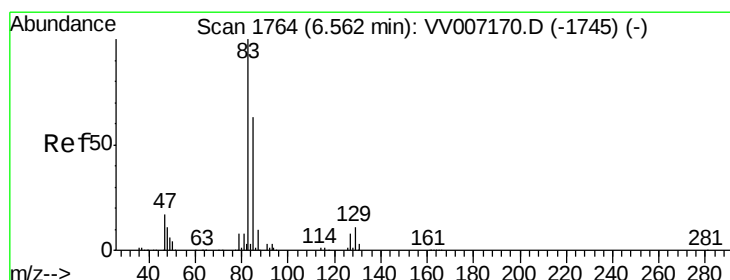
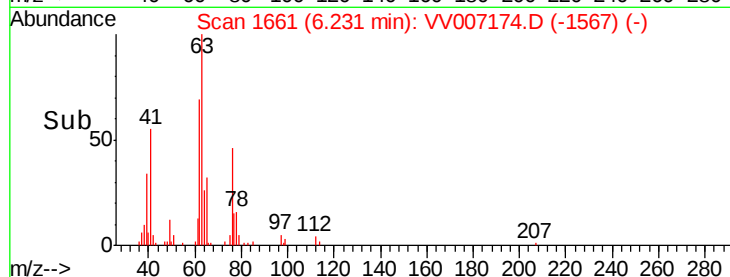
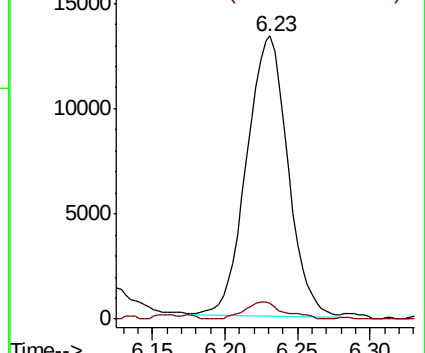
63 100

112 5.8 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV007174.D (-1641) (-)

Ion 112.00 (111.70 to 112.70): VV007174.D (-1641) (-)



#38

Bromodichloromethane

Concen: 4.784 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

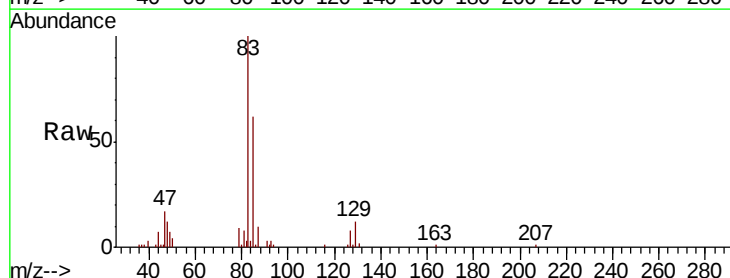
Tgt Ion: 83 Resp: 33696

Ion Ratio Lower Upper

83 100

85 61.8 44.1 81.9

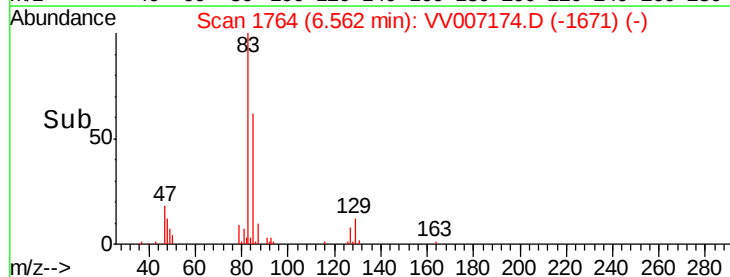
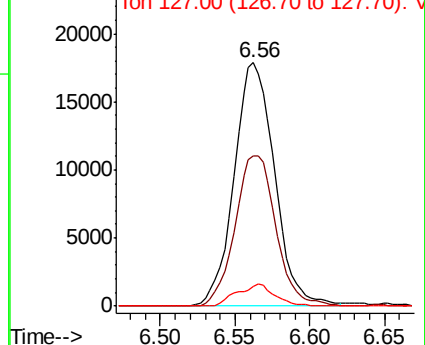
127 7.8 6.6 10.0

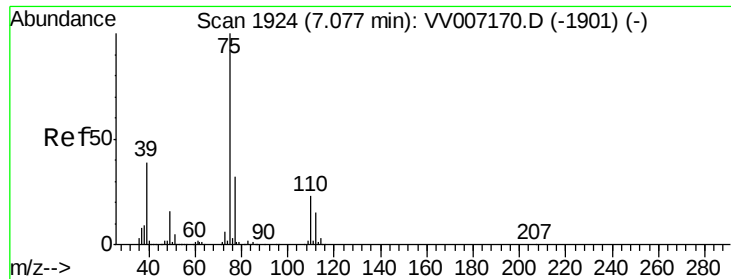


Abundance Ion 83.00 (82.70 to 83.70): VV007174.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VV007174.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VV007174.D (-1745) (-)

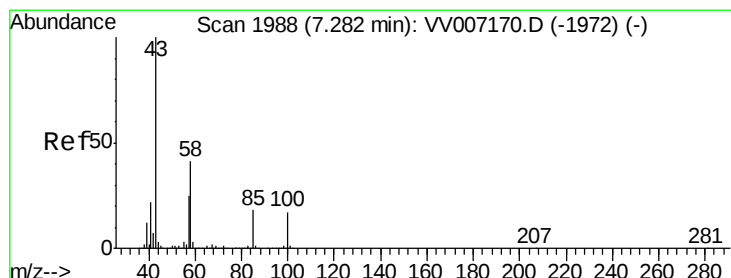
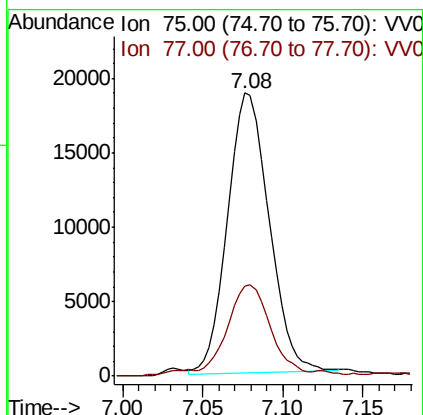
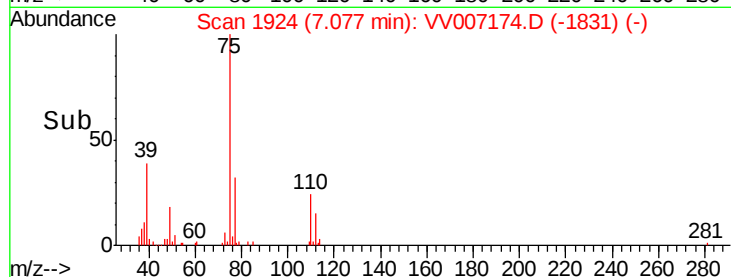
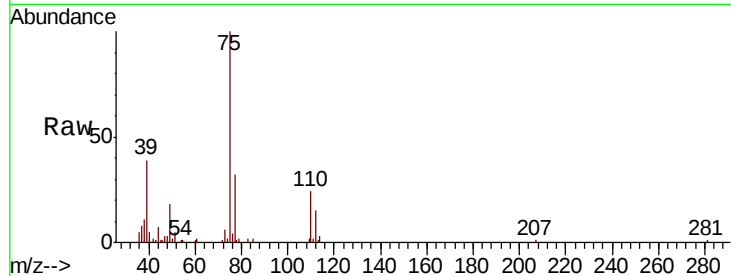




#39
 cis-1,3-Dichloropropene
 Concen: 4.196 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

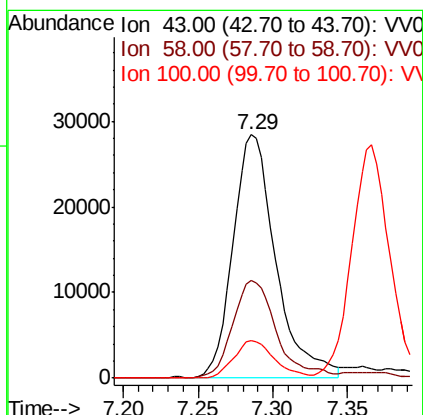
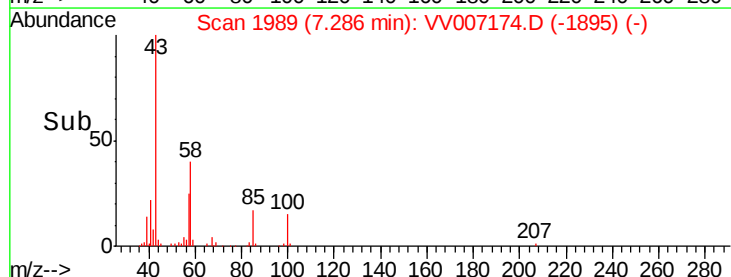
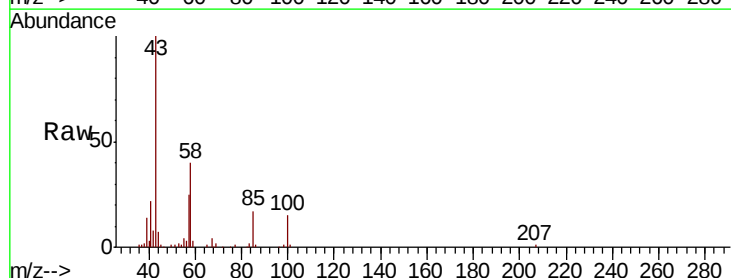
Instrument :
 MSVOA_V
 ClientSampleId :

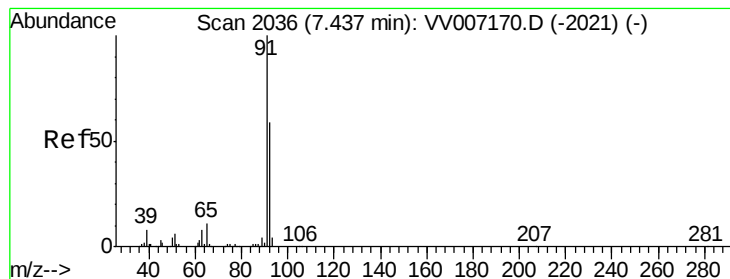
Tot Ion: 75 Resp: 33426
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 7.971 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

Tgt Ion: 43 Resp: 56776
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.5 47.3
 100 14.9 12.6 18.8





#42

Toluene

Concen: 4.091 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

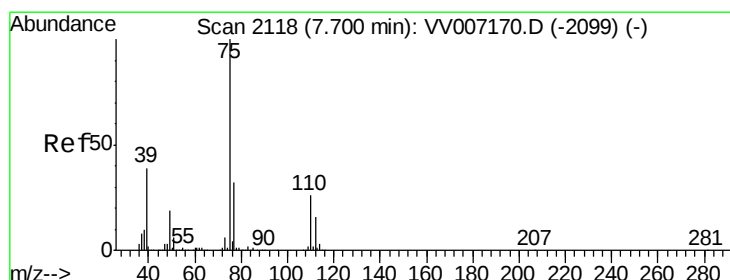
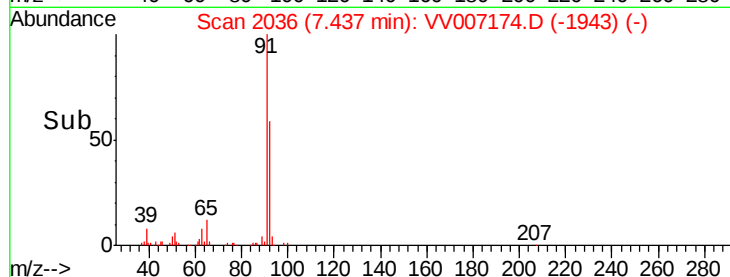
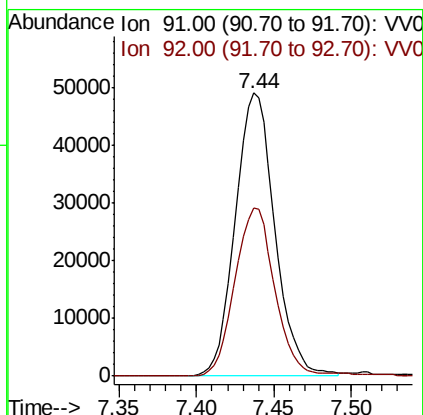
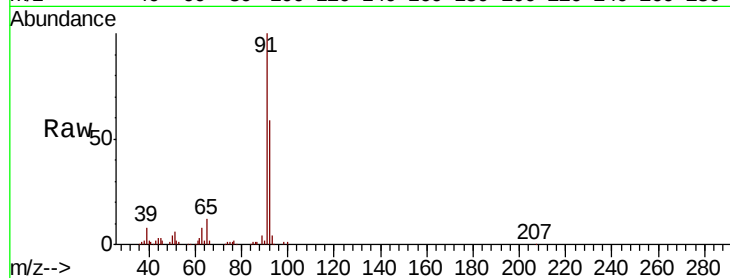
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 87225

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.208 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007174.D

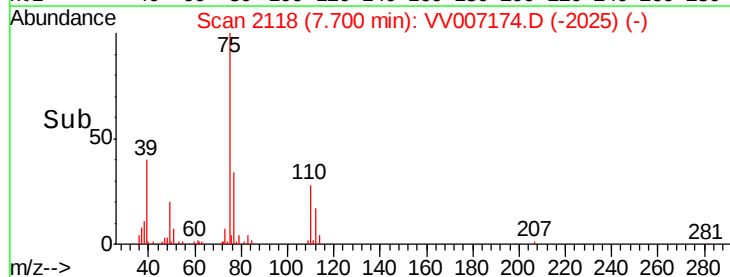
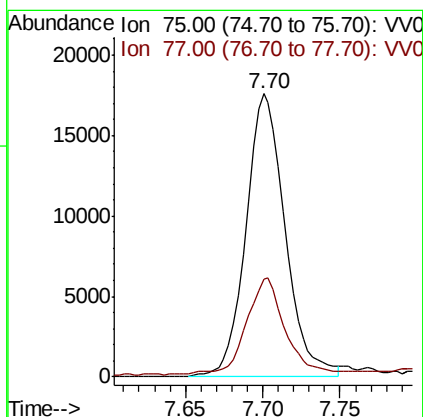
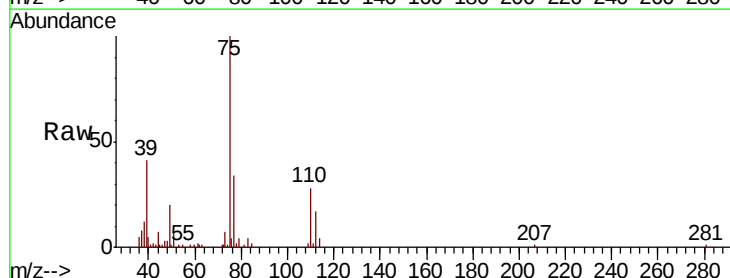
Acq: 24 Aug 2018 16:40

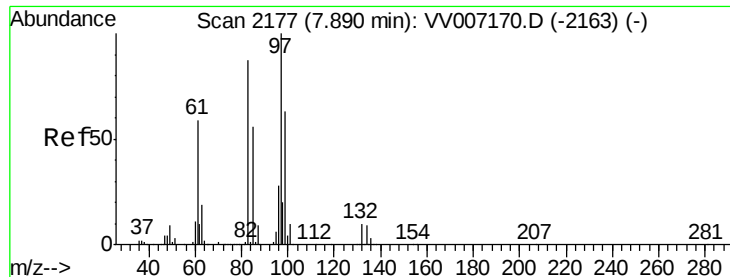
Tgt Ion: 75 Resp: 31136

Ion Ratio Lower Upper

75 100

77 34.5 22.6 42.0

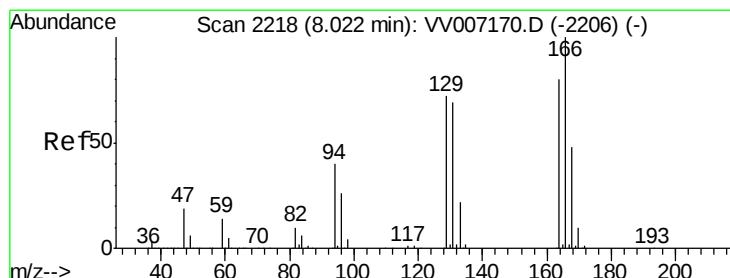
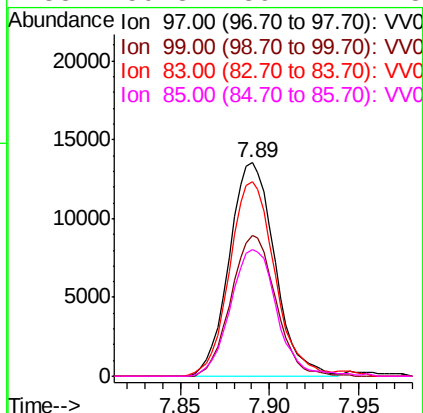
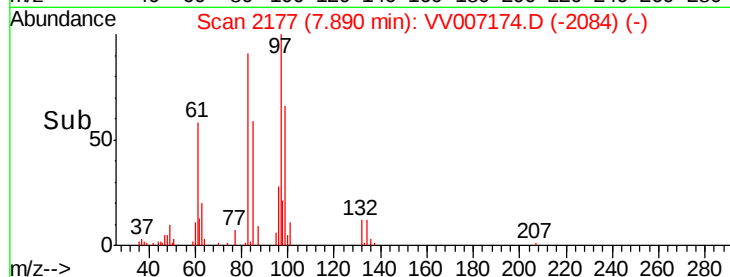
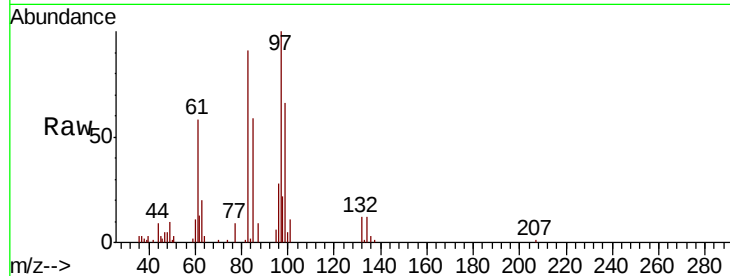




#45
 1,1,2-Trichloroethane
 Concen: 4.397 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

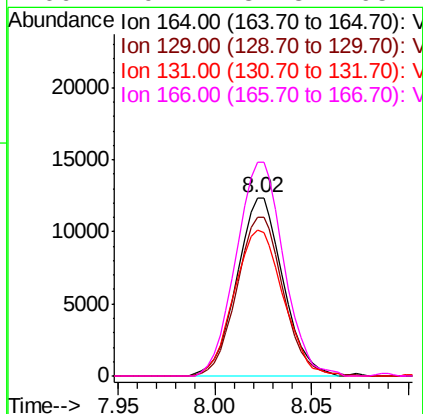
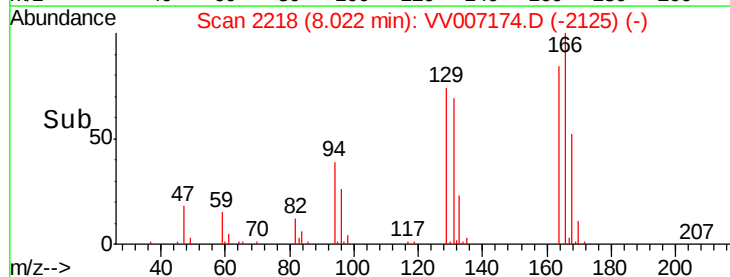
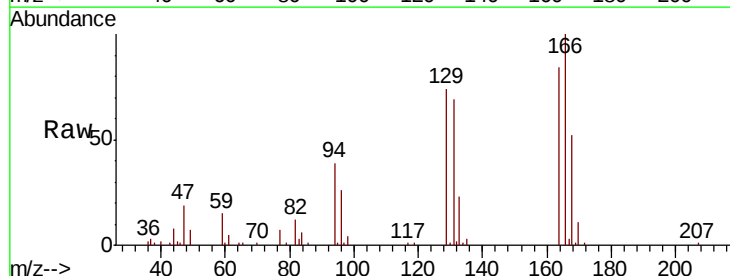
Instrument :
 MSVOA_V
 ClientSampled :

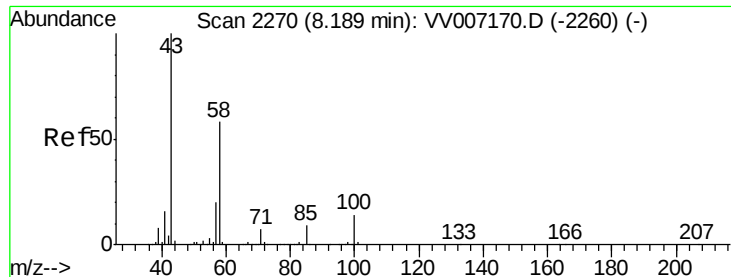
Tot Ion:	97	Resp:	24132
Ion	Ratio	Lower	Upper
97	100		
99	65.7	43.8	81.4
83	91.0	61.0	113.4
85	59.3	39.2	72.8



#46
 Tetrachloroethene
 Concen: 4.796 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

Tgt Ion:	164	Resp:	20566
Ion	Ratio	Lower	Upper
164	100		
129	89.1	63.3	117.7
131	82.1	60.6	112.6
166	119.7	87.8	163.2

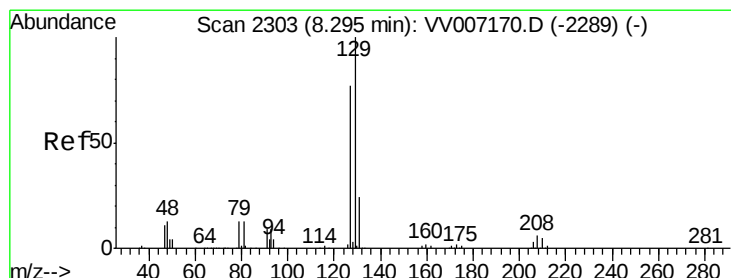
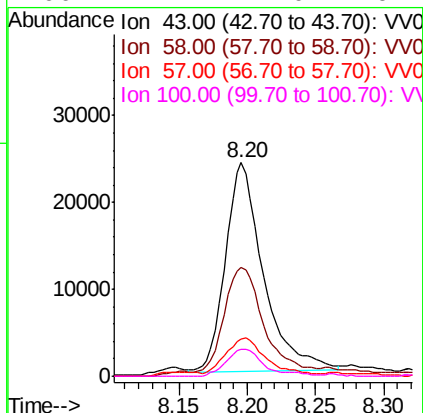
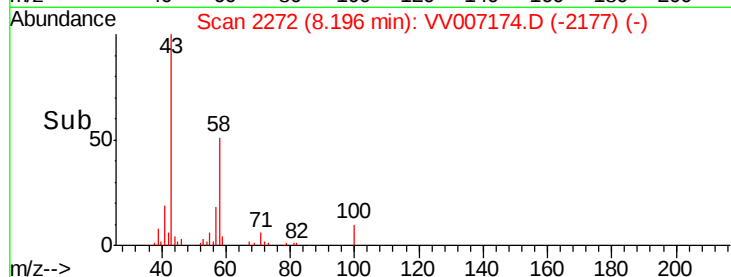
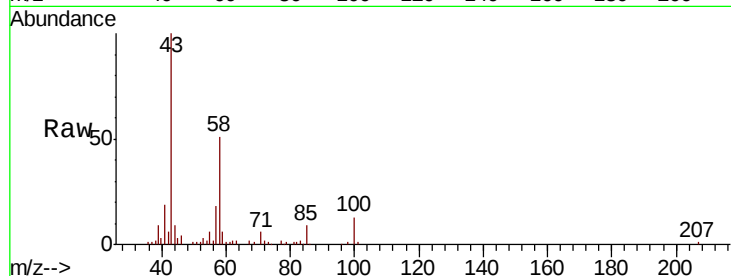




#48
2-Hexanone
Concen: 8.277 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.01 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

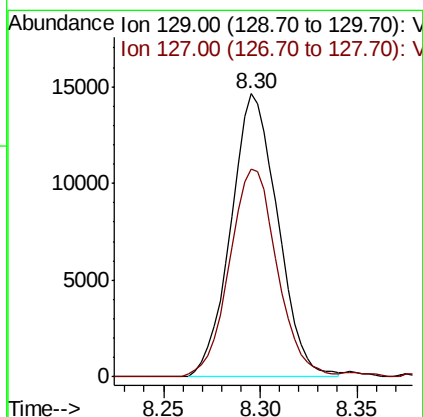
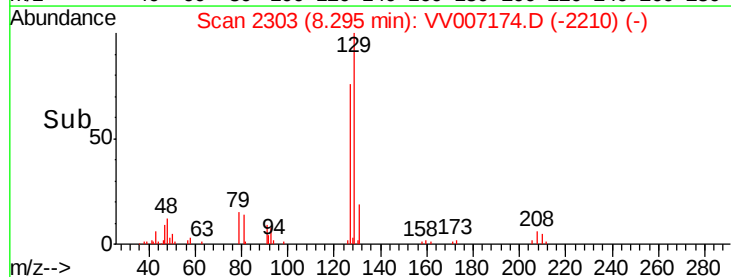
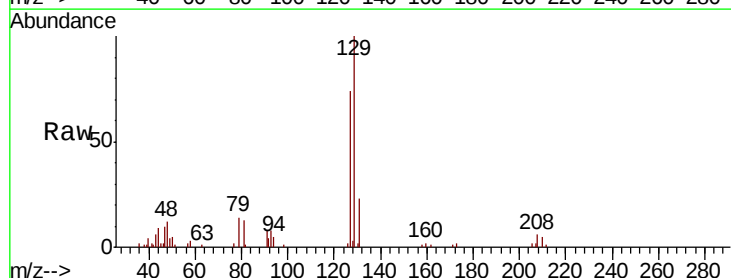
Instrument :
MSVOA_V
ClientSampleId :

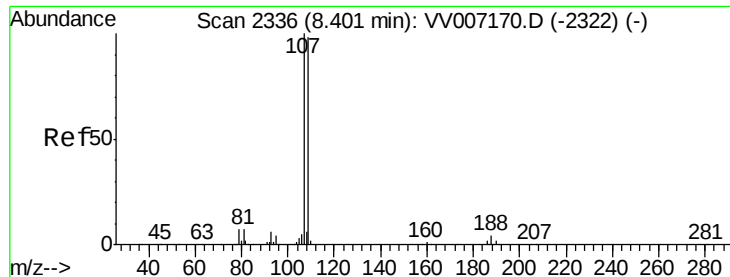
Tot Ion: 43 Resp: 46764
Ion Ratio Lower Upper
43 100
58 52.3 47.3 70.9
57 18.9 16.5 24.7
100 12.1 11.0 16.4



#49
Dibromochloromethane
Concen: 4.460 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

Tgt Ion: 129 Resp: 24624
Ion Ratio Lower Upper
129 100
127 73.6 54.0 100.2

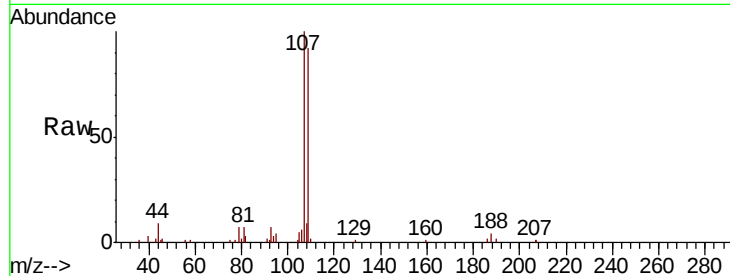




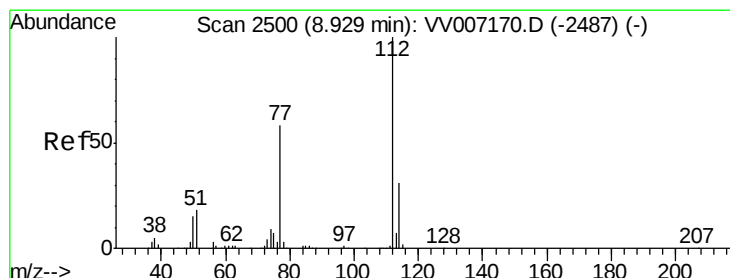
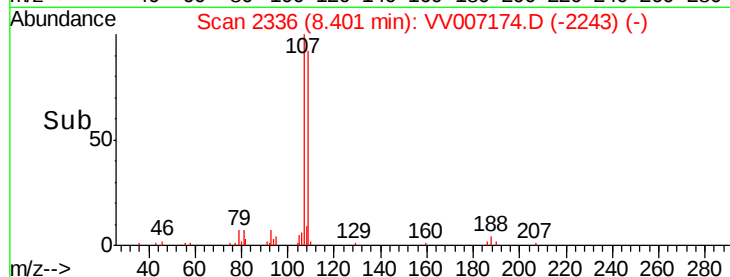
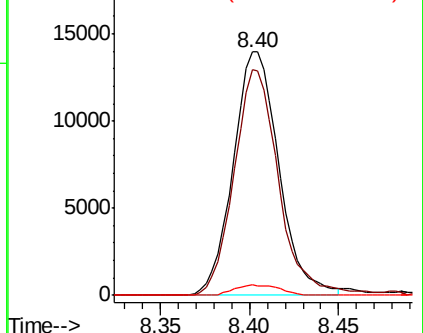
#50
1,2-Dibromoethane
Concen: 4.599 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	68.3	126.8
188	4.3	3.3	4.9

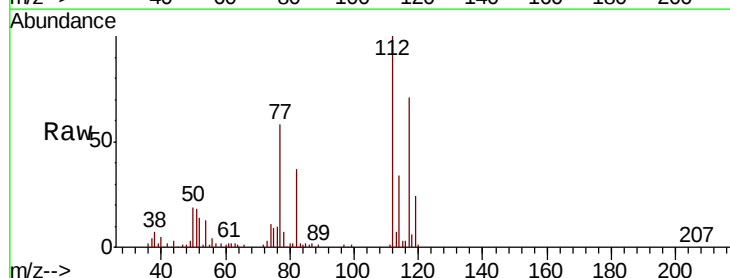


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

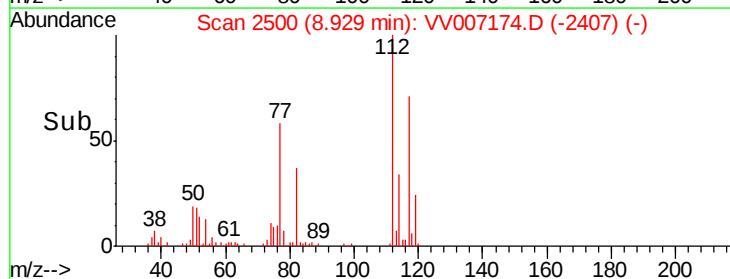
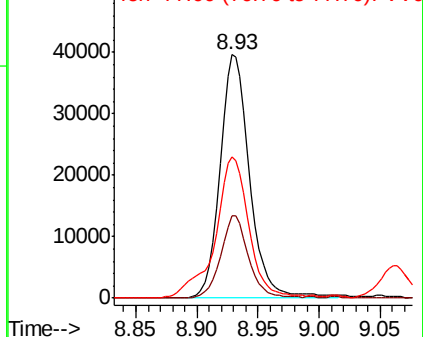


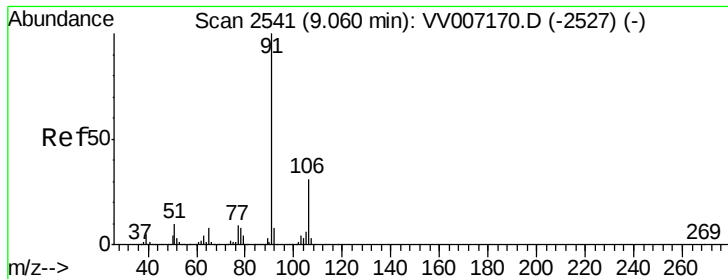
#51
Chlorobenzene
Concen: 4.790 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007174.D
Acq: 24 Aug 2018 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.6	22.0	40.8
77	58.2	46.4	69.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 4.189 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

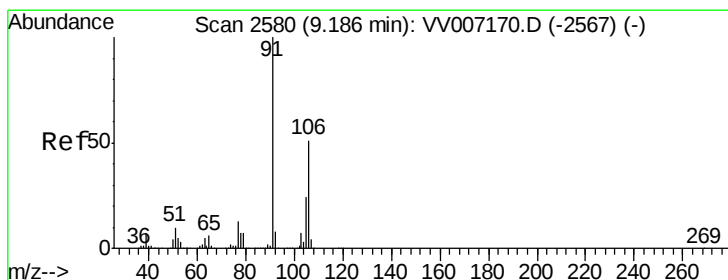
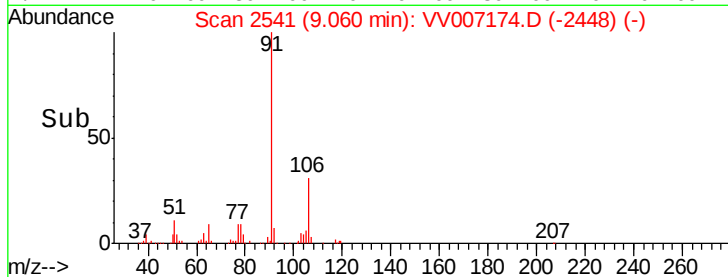
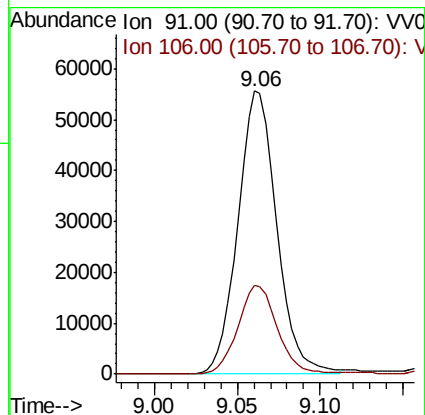
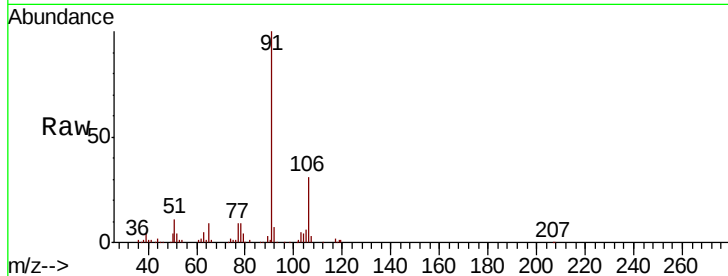
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 90809

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 4.053 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV007174.D

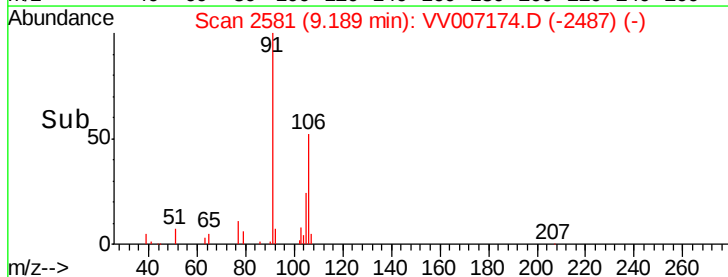
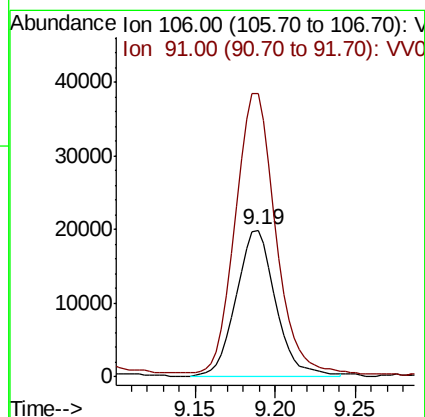
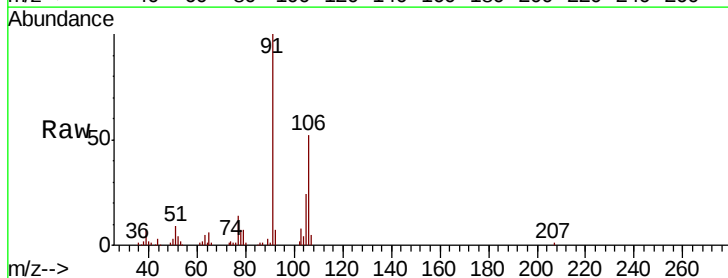
Acq: 24 Aug 2018 16:40

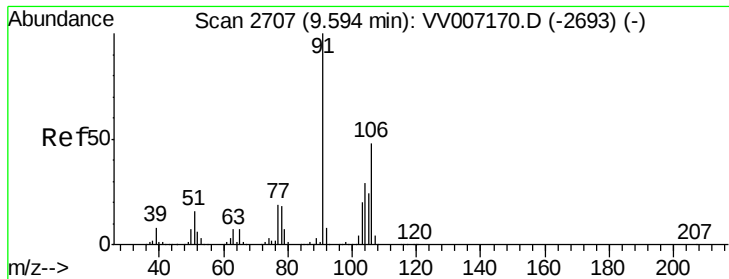
Tgt Ion: 106 Resp: 33616

Ion Ratio Lower Upper

106 100

91 192.9 138.9 258.1





#54

o-xylene

Concen: 3.827 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

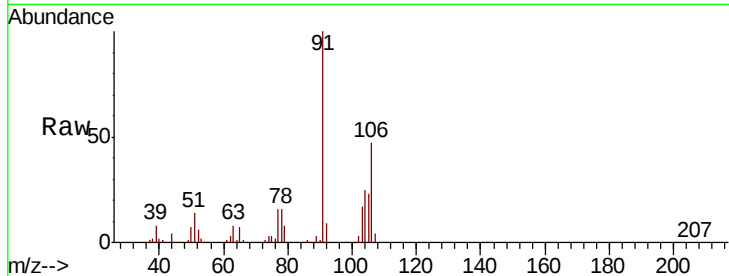
ClientSampleId :

Tot Ion:106 Resp: 30709

Ion Ratio Lower Upper

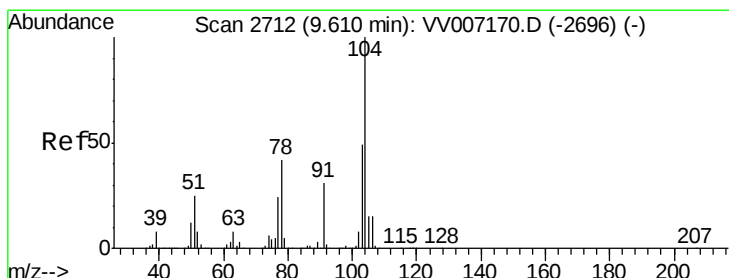
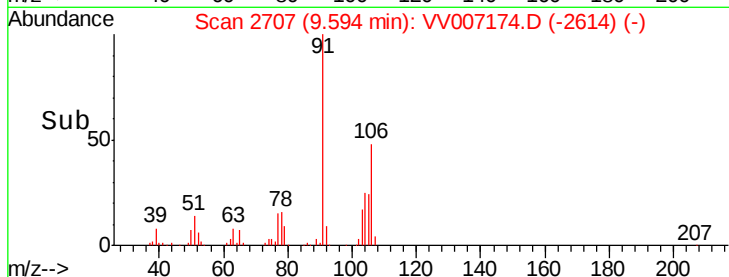
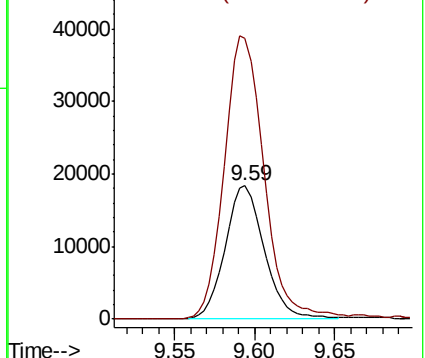
106 100

91 210.9 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 3.738 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007174.D

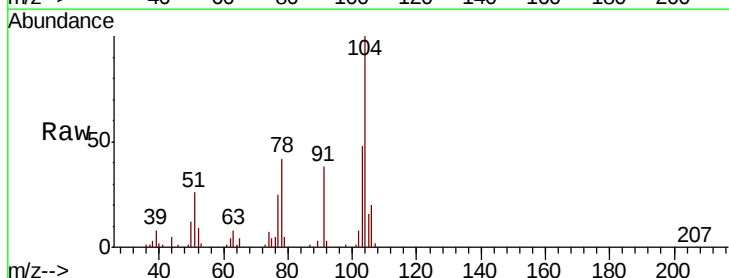
Acq: 24 Aug 2018 16:40

Tgt Ion:104 Resp: 51722

Ion Ratio Lower Upper

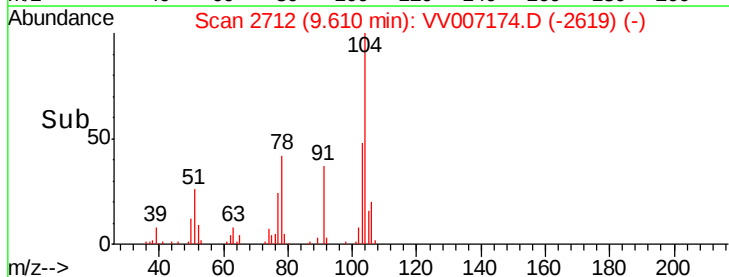
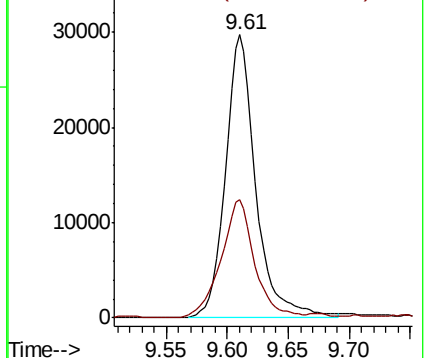
104 100

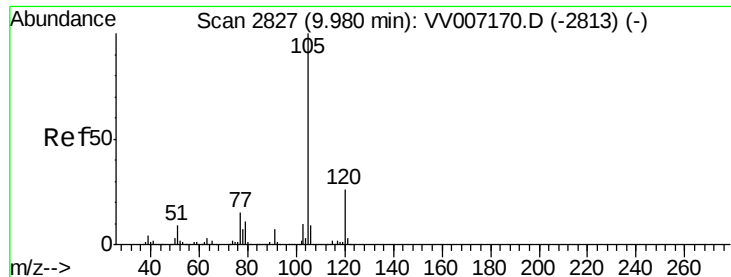
78 41.8 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 3.911 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

ClientSampled :

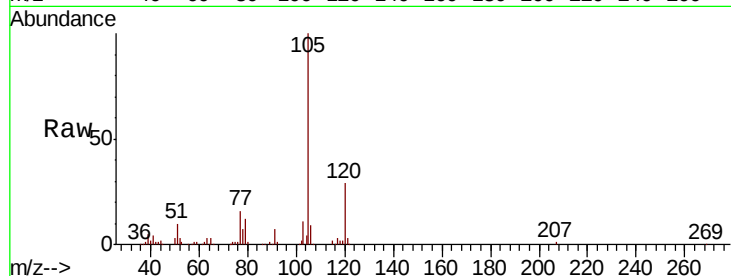
Tot Ion:105 Resp: 79332

Ion Ratio Lower Upper

105 100

120 27.3 21.2 31.8

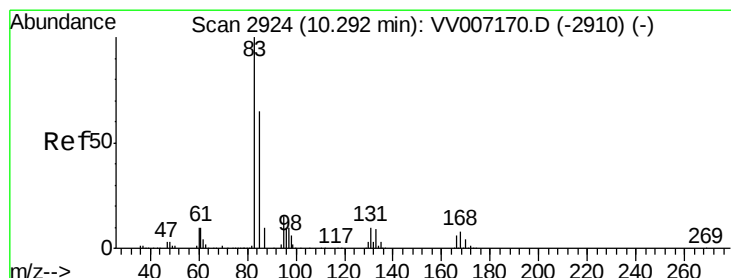
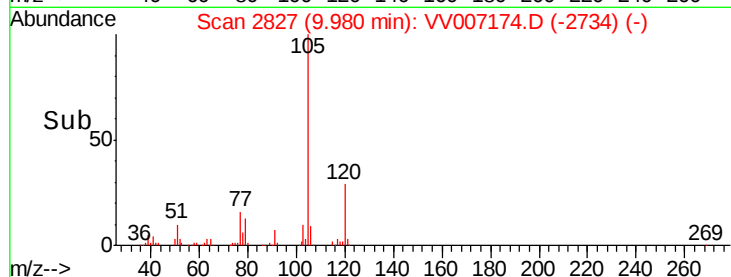
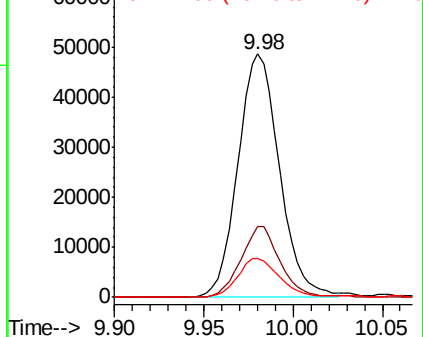
77 15.6 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.467 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

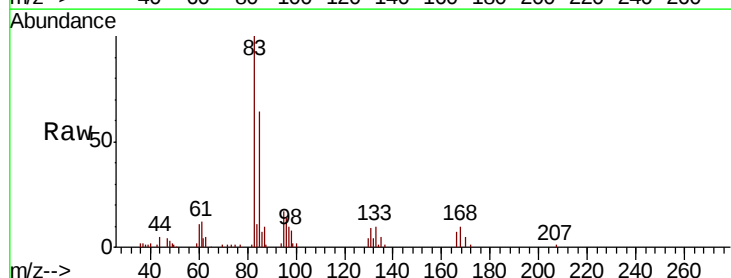
Tgt Ion: 83 Resp: 41876

Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.2

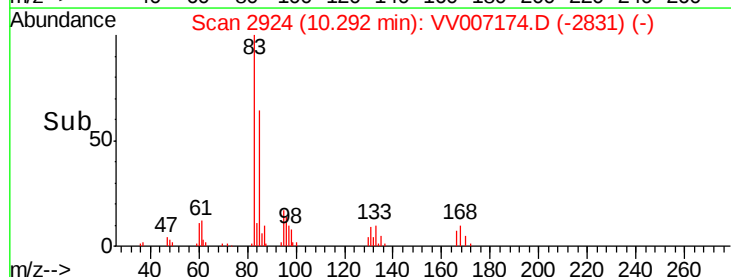
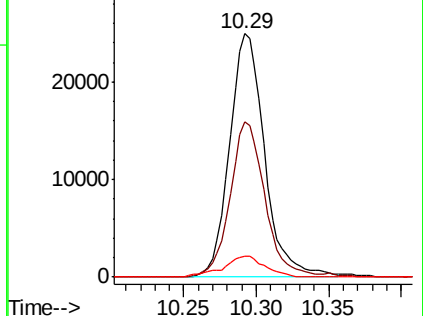
131 8.8 8.2 12.2

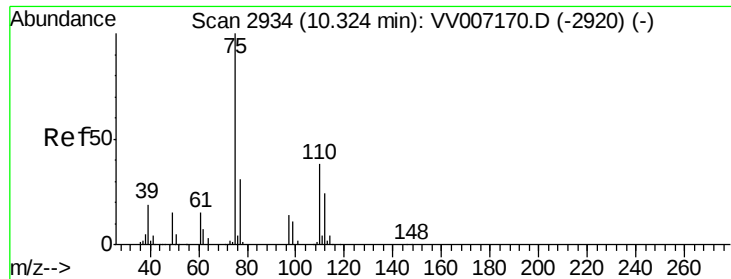


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.379 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

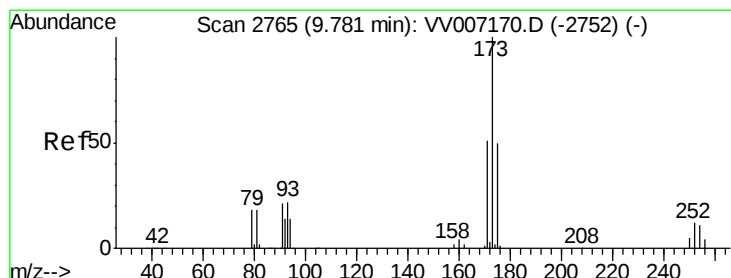
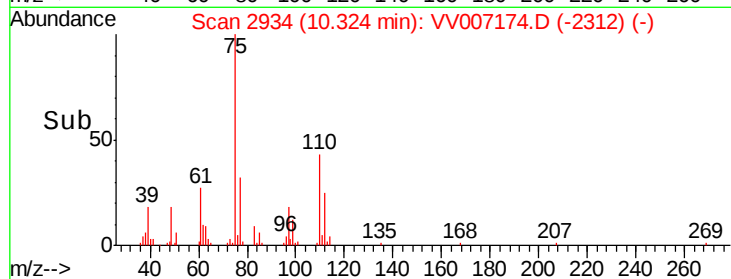
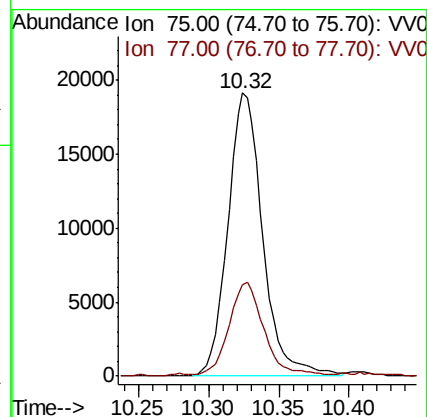
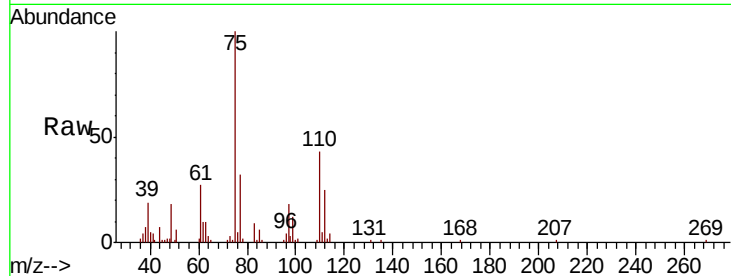
ClientSampleId :

Tot Ion: 75 Resp: 32992

Ion Ratio Lower Upper

75 100

77 33.8 24.6 37.0



#61

Bromoform

Concen: 4.660 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

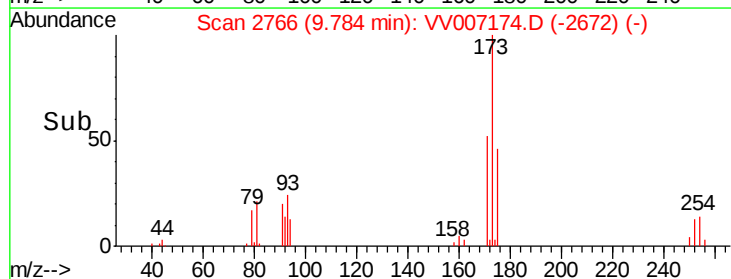
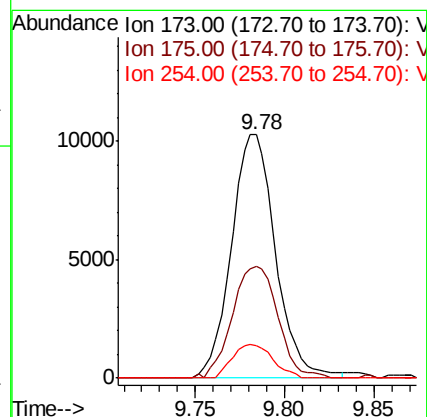
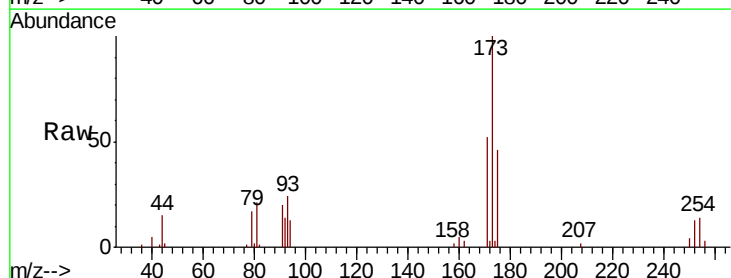
Tgt Ion: 173 Resp: 17733

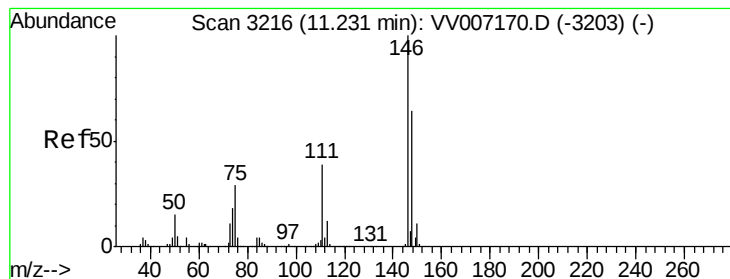
Ion Ratio Lower Upper

173 100

175 47.2 38.6 58.0

254 12.6 8.6 12.8





#62

1,3-Dichlorobenzene

Concen: 5.040 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

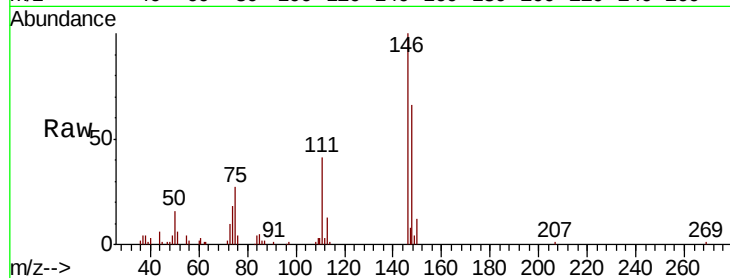
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 45916

Ion	Ratio	Lower	Upper
146	100		
111	40.8	27.1	50.3
148	66.0	44.8	83.2

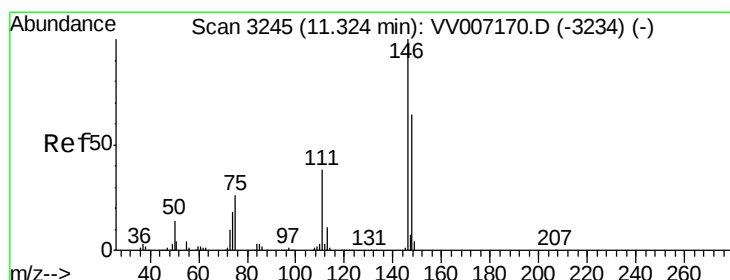
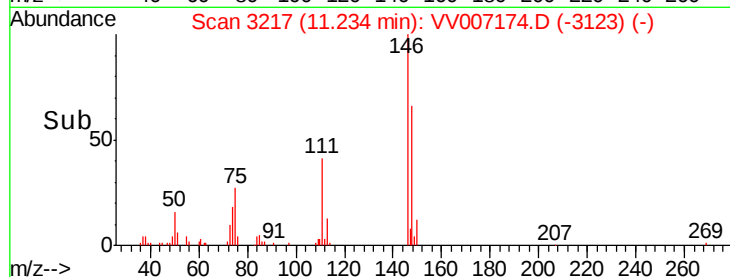
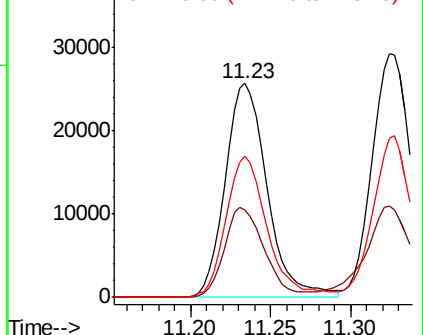


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.455 ug/L

RT: 11.32 min Scan# 3245

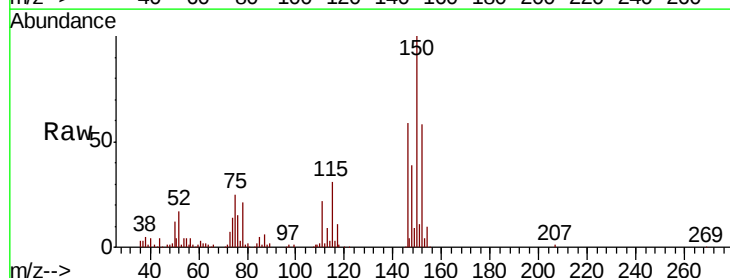
Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Tgt Ion:146 Resp: 52683

Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.7	49.5
148	65.5	44.7	82.9

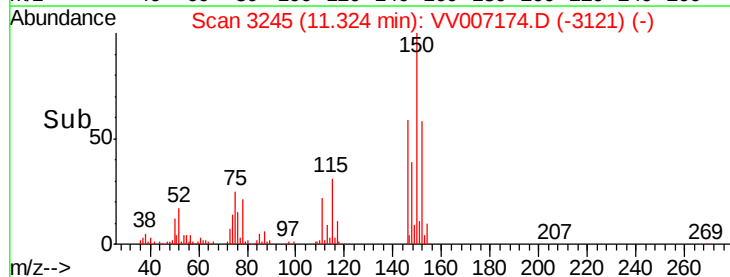
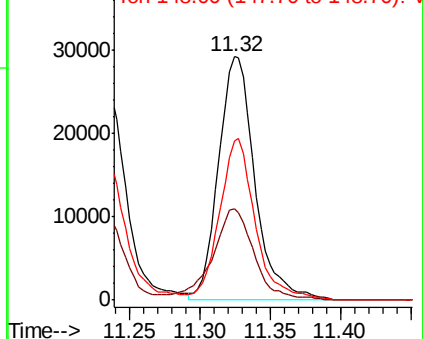


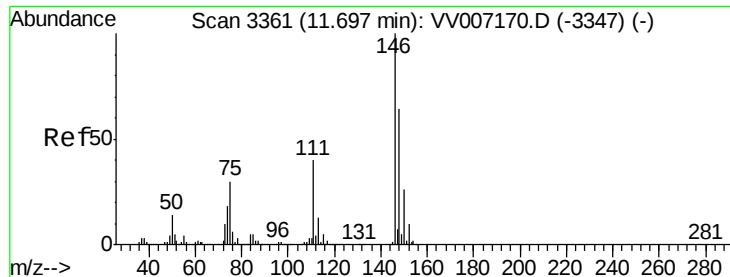
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.931 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

ClientSampleId :

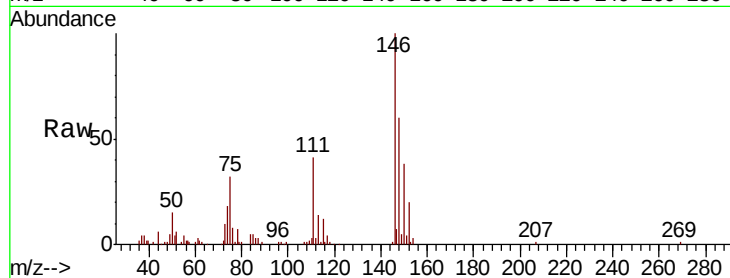
Tot Ion:146 Resp: 49065

Ion Ratio Lower Upper

146 100

111 41.1 32.2 48.2

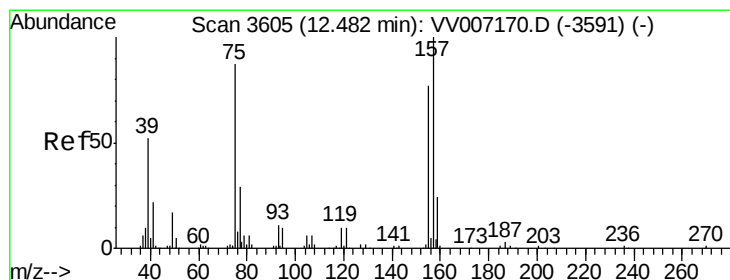
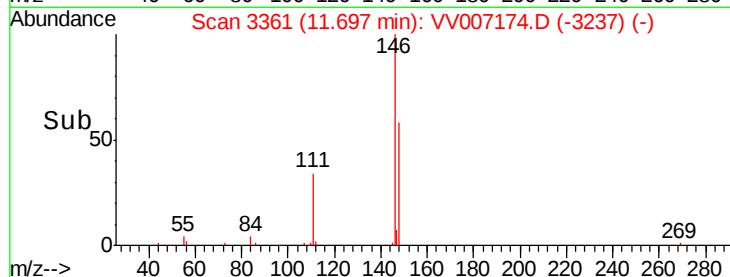
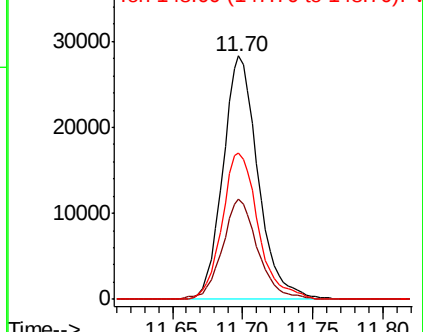
148 60.2 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.655 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

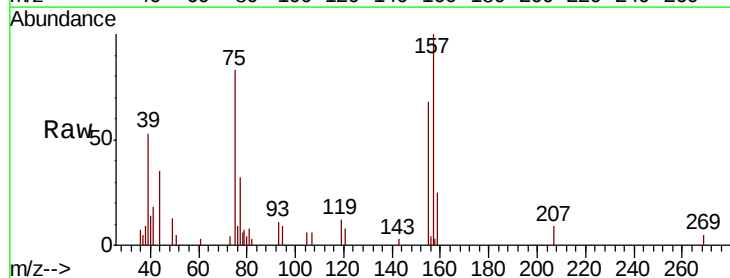
Tgt Ion: 75 Resp: 6527

Ion Ratio Lower Upper

75 100

155 81.7 70.6 106.0

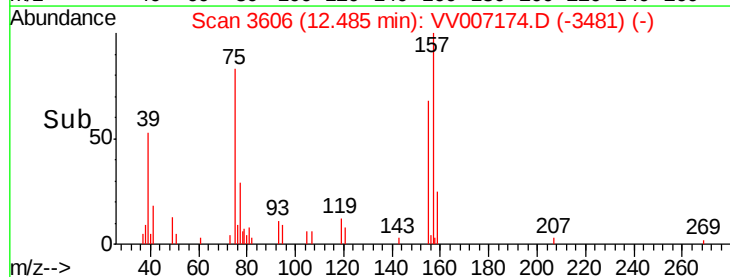
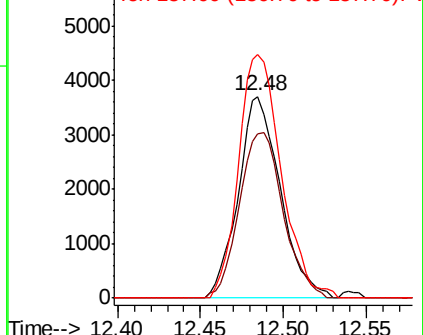
157 120.9 91.8 137.8

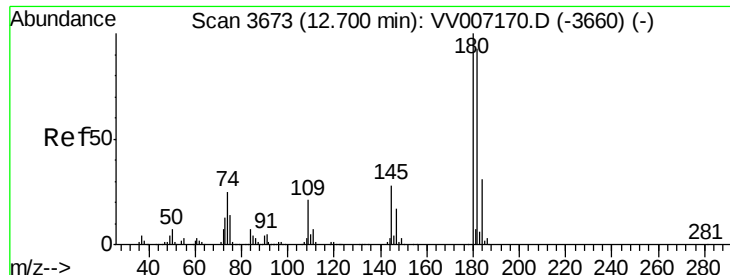


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

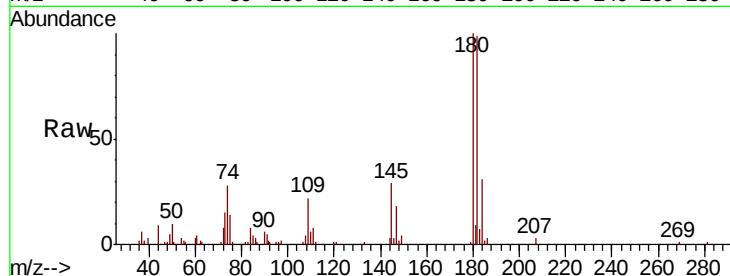




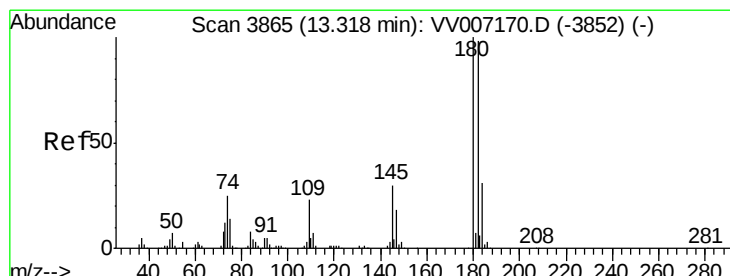
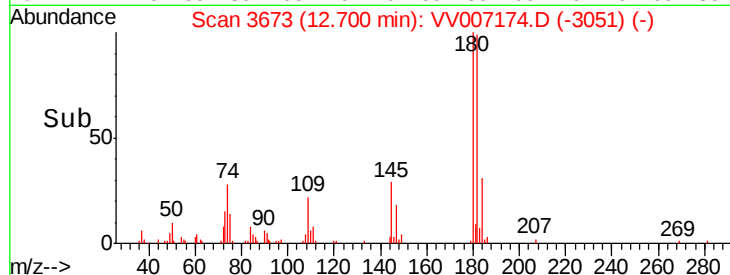
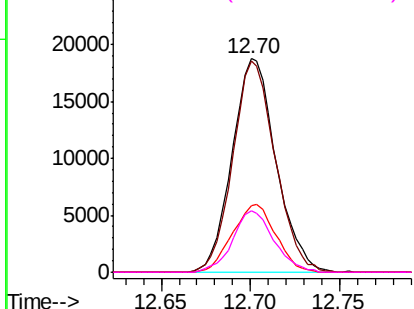
#67
 1,3,5-Trichlorobenzene
 Concen: 5.116 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	32209
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.8 113.8
184	31.5	24.4 36.6
145	27.1	22.6 33.8

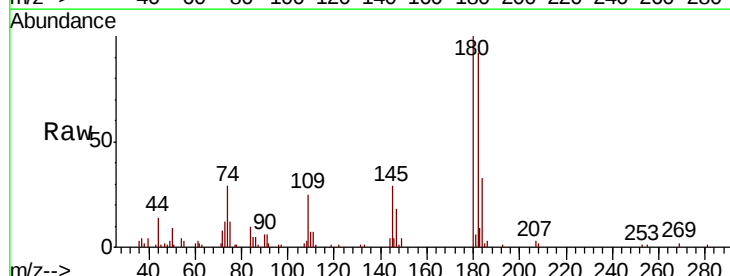


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

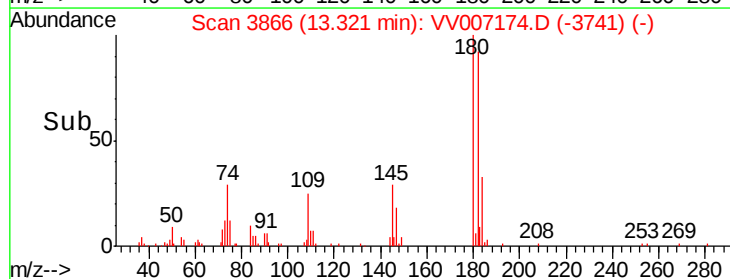
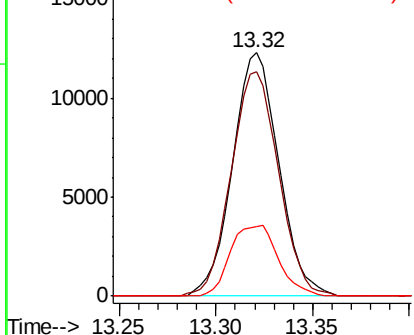


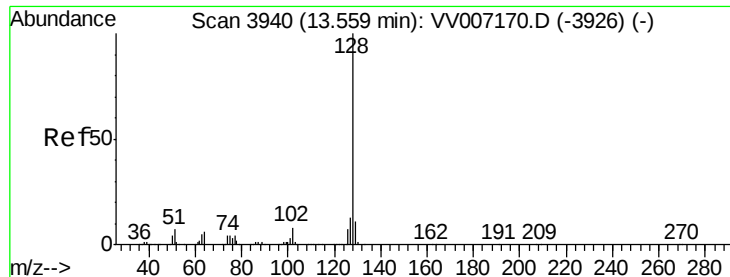
#68
 1,2,4-trichlorobenzene
 Concen: 4.762 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007174.D
 Acq: 24 Aug 2018 16:40

Tgt Ion:180	Resp:	20489
Ion	Ratio	Lower Upper
180	100	
182	94.3	77.6 116.4
145	30.0	23.4 35.2



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





#69

Naphthalene

Concen: 4.393 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

Instrument :

MSVOA_V

ClientSampleId :

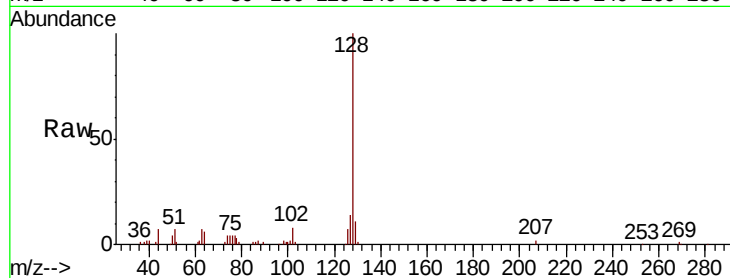
Tot Ion:128 Resp: 51132

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

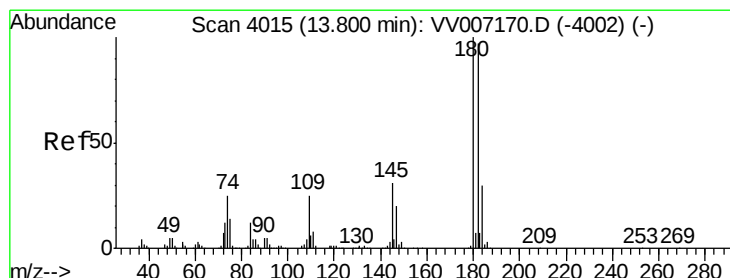
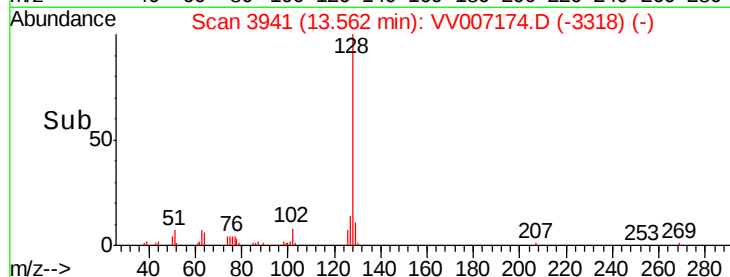
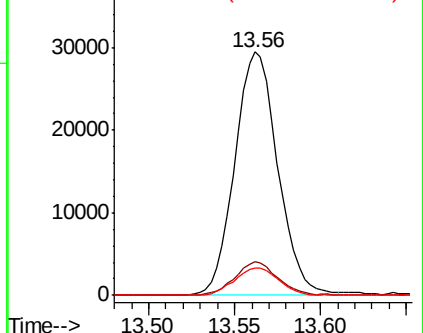
129 11.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.639 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007174.D

Acq: 24 Aug 2018 16:40

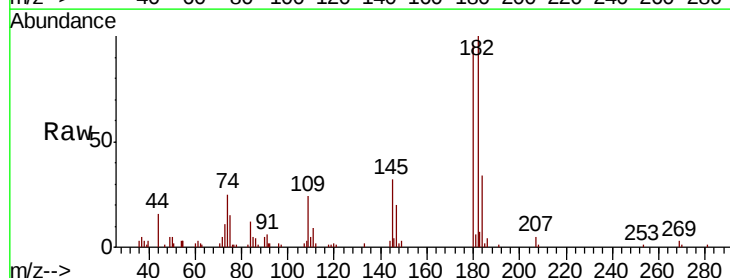
Tgt Ion:180 Resp: 21669

Ion Ratio Lower Upper

180 100

182 101.5 77.0 115.4

145 32.1 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

