

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\
 Data File : VV007210.D
 Acq On : 25 Aug 2018 17:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 27 01:26:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 27 01:23:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	676867	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	672980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	334879	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	215677	45.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.72%
7) Chloroethane-d5	1.58	69	180825	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.13	63	402270	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	3.95	46	333973	94.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.26%
24) Chloroform-d	4.41	84	465745	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
26) 1,2-Dichloroethane-d4	5.09	65	283072	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.11	84	947479	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
36) 1,2-Dichloropropane-d6	6.12	67	304239	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.00%
41) Toluene-d8	7.37	98	861263	51.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.34%
43) trans-1,3-Dichloropropene-	7.67	79	132159	48.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.42%
47) 2-Hexanone-d5	8.14	63	189223	95.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.59%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	413133	49.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.86%
64) 1,2-Dichlorobenzene-d4	11.68	152	328252	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	269850	49.843	ug/L 99
3) Chloromethane	1.25	50	307326	47.062	ug/L 100
5) Vinyl chloride	1.32	62	281674	49.496	ug/L 99
6) Bromomethane	1.54	94	87179	47.284	ug/L 100
8) Chloroethane	1.60	64	167265	49.518	ug/L 98
9) Trichlorofluoromethane	1.77	101	369362	51.082	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	223194	50.903	ug/L 98
12) 1,1-Dichloroethene	2.14	96	208508	49.797	ug/L 96
13) Acetone	2.20	43	241216	92.210	ug/L 99
14) Carbon disulfide	2.32	76	620263	48.338	ug/L 100
15) Methyl Acetate	2.47	43	232292	49.808	ug/L 98
16) Methylene chloride	2.54	84	247047	52.038	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	230051	50.967	ug/L 98
18) Methyl tert-butyl Ether	2.82	73	677376	50.244	ug/L 99
19) 1,1-Dichloroethane	3.23	63	473275	51.434	ug/L 99
20) cis-1,2-Dichloroethene	3.97	96	266410	50.445	ug/L 98
22) 2-Butanone	4.04	43	390512	95.900	ug/L 100

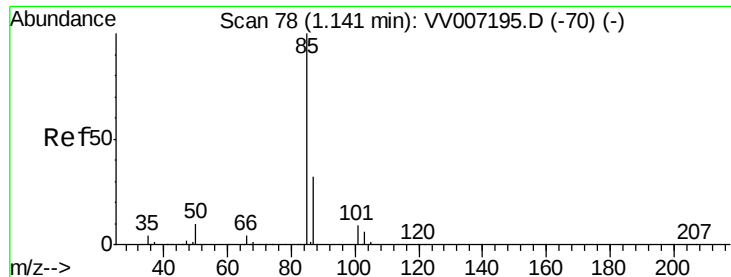
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\
 Data File : VV007210.D
 Acq On : 25 Aug 2018 17:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 27 01:26:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 27 01:23:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	139515	51.677	uq/L	98
25) Chloroform	4.43	83	471904	52.255	uq/L	99
27) 1,2-Dichloroethane	5.19	62	354090	53.011	uq/L	99
29) Cyclohexane	4.73	56	373611	48.913	uq/L	100
30) 1,1,1-Trichloroethane	4.66	97	390992	50.679	uq/L	100
31) Carbon tetrachloride	4.88	117	338708	51.129	uq/L	100
33) Benzene	5.15	78	1070758	51.368	uq/L	100
34) Trichloroethene	5.96	95	250939	49.507	uq/L	99
35) Methylcyclohexane	6.18	83	399762	49.594	uq/L	99
37) 1,2-Dichloropropane	6.23	63	284926	51.383	uq/L	99
38) Bromodichloromethane	6.56	83	339107	50.286	uq/L	97
39) cis-1,3-Dichloropropene	7.08	75	379775	49.138	uq/L	99
40) 4-Methyl-2-pentanone	7.29	43	665664	102.386	uq/L	99
42) Toluene	7.44	91	1071871	53.045	uq/L	100
44) trans-1,3-Dichloropropene	7.70	75	355858	49.552	uq/L	99
45) 1,1,2-Trichloroethane	7.89	97	261862	50.994	uq/L	99
46) Tetrachloroethene	8.02	164	211323	50.556	uq/L	98
48) 2-Hexanone	8.19	43	537107	105.515	uq/L	98
49) Dibromochloromethane	8.30	129	269827	51.229	uq/L	100
50) 1,2-Dibromoethane	8.40	107	261950	50.771	uq/L	97
51) Chlorobenzene	8.93	112	687417	50.311	uq/L	99
52) Ethylbenzene	9.06	91	1083118	51.616	uq/L	100
53) m,p-Xylene	9.19	106	418332	52.503	uq/L	99
54) o-xylene	9.59	106	396229	51.668	uq/L	99
55) Styrene	9.61	104	732325	55.652	uq/L	100
56) Isopropylbenzene	9.98	105	1033661	52.696	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	422154	50.066	uq/L	99
59) 1,2,3-Trichloropropane	10.32	75	337822	49.830	uq/L	98
61) Bromoform	9.78	173	192248	47.527	uq/L	98
62) 1,3-Dichlorobenzene	11.23	146	486601	47.689	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	534985	48.729	uq/L	99
65) 1,2-Dichlorobenzene	11.70	146	540837	49.410	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	71277	46.093	uq/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	375724	50.473	uq/L	100
68) 1,2,4-trichlorobenzene	13.32	180	289339	52.117	uq/L	99
69) Naphthalene	13.56	128	689307	45.640	uq/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	325109	54.569	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.843 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

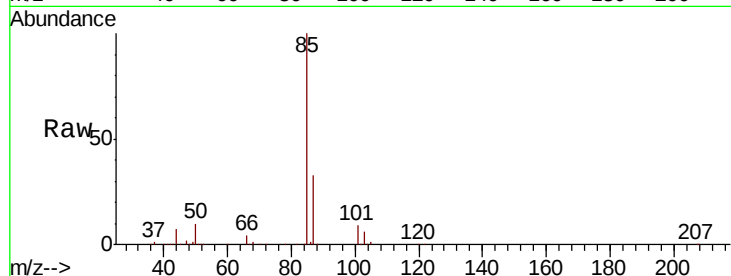
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 269850

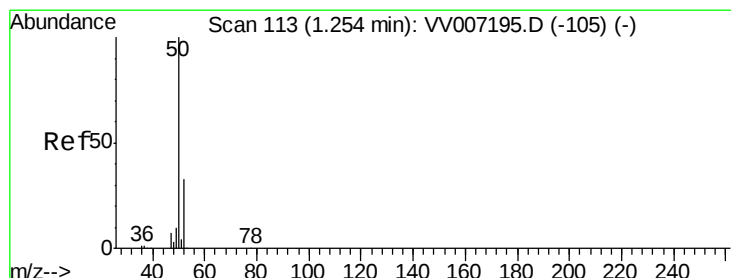
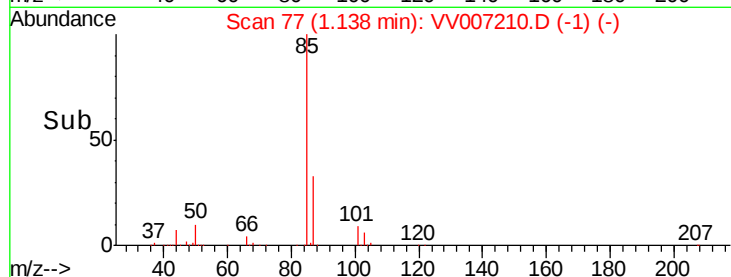
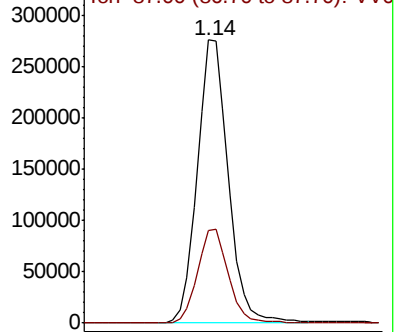
Ion Ratio Lower Upper

85 100

87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007210.D (-1) (-)



#3

Chloromethane

Concen: 47.062 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007210.D

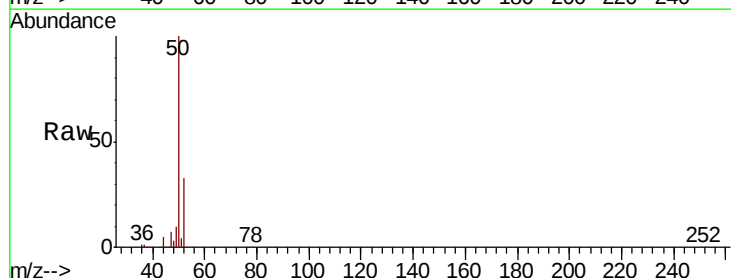
Acq: 25 Aug 2018 17:46

Tgt Ion: 50 Resp: 307326

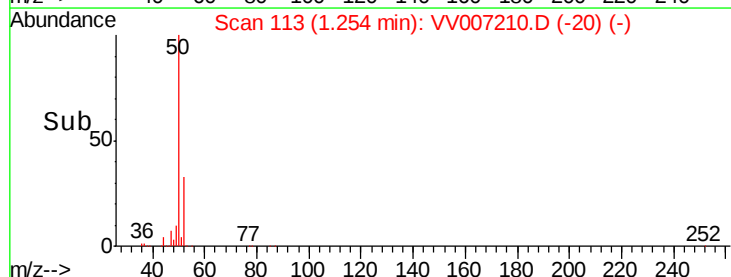
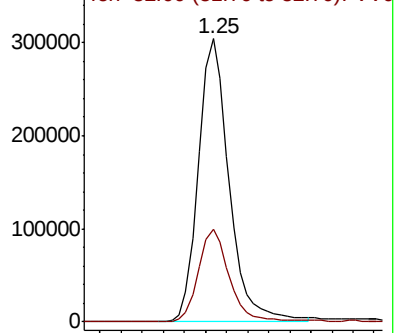
Ion Ratio Lower Upper

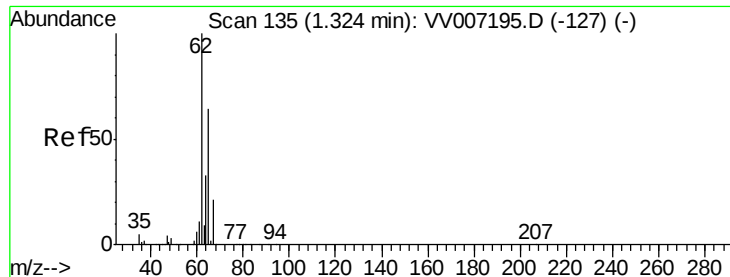
50 100

52 32.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007210.D (-20) (-)





#5

Vinyl chloride

Concen: 49.496 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

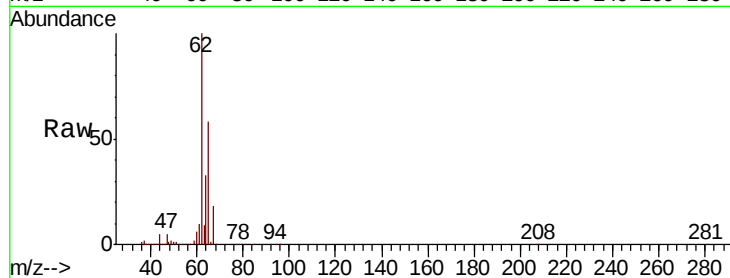
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 281674

Ion Ratio Lower Upper

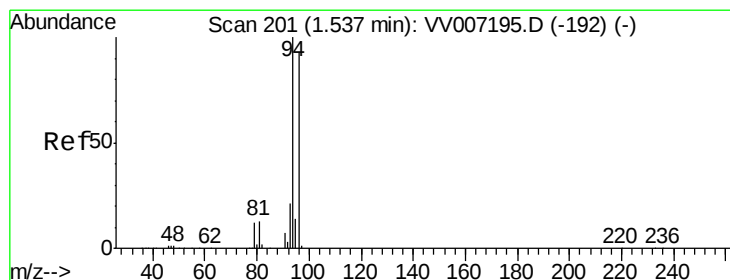
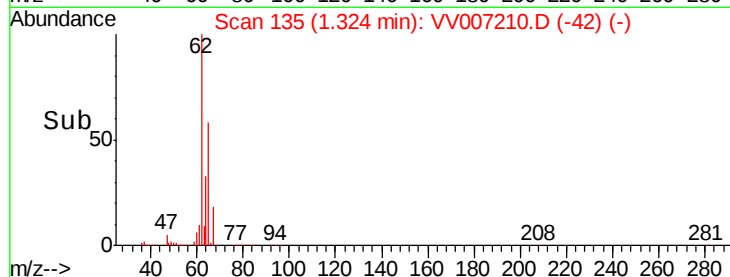
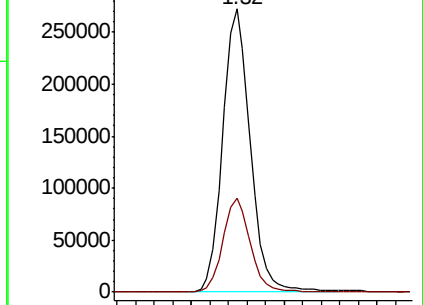
62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV007210.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007210.D (-127) (-)



#6

Bromomethane

Concen: 47.284 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007210.D

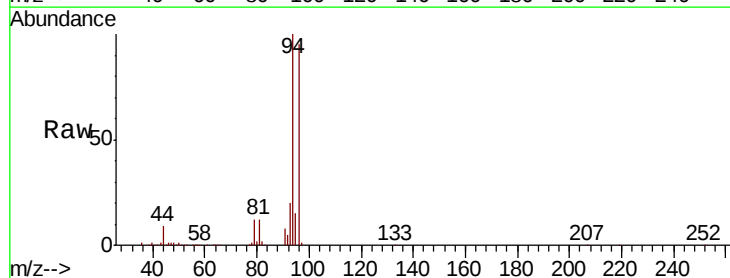
Acq: 25 Aug 2018 17:46

Tgt Ion: 94 Resp: 87179

Ion Ratio Lower Upper

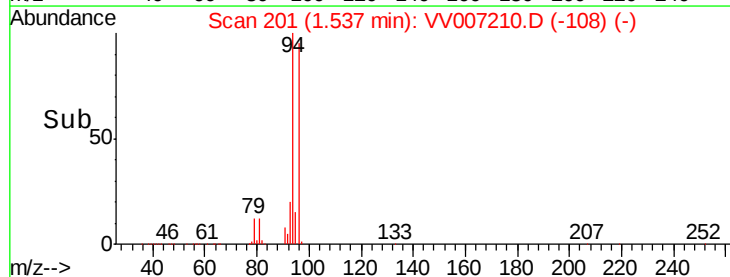
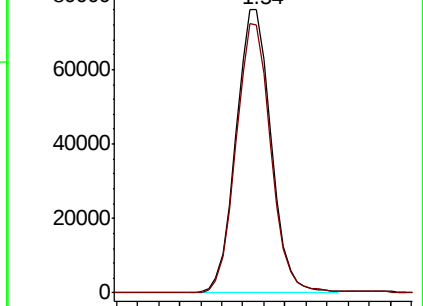
94 100

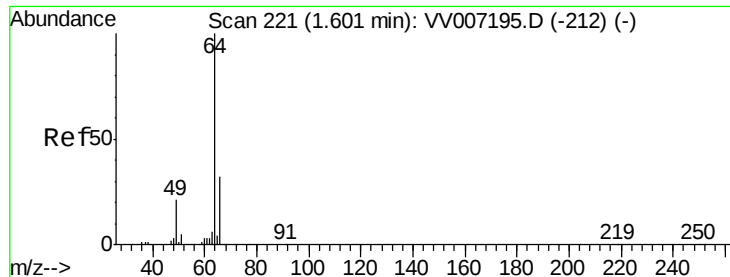
96 94.9 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VV007210.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007210.D (-192) (-)





#8

Chloroethane

Concen: 49.518 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

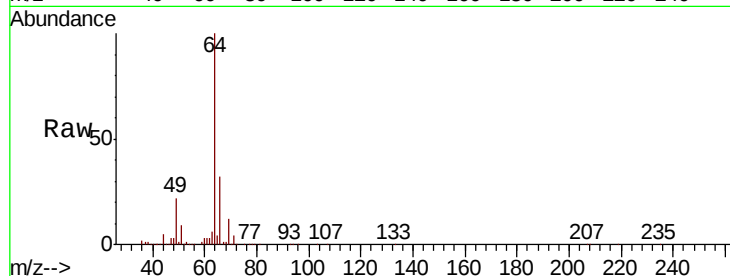
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 167265

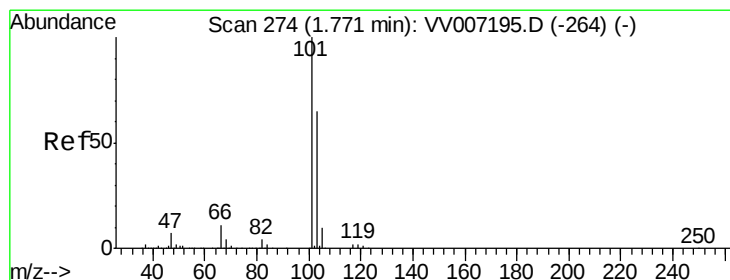
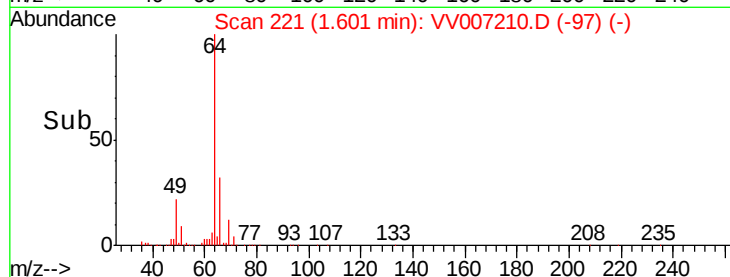
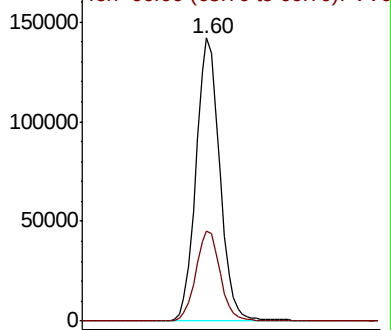
Ion Ratio Lower Upper

64 100

66 32.0 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV007210.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 51.082 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007210.D

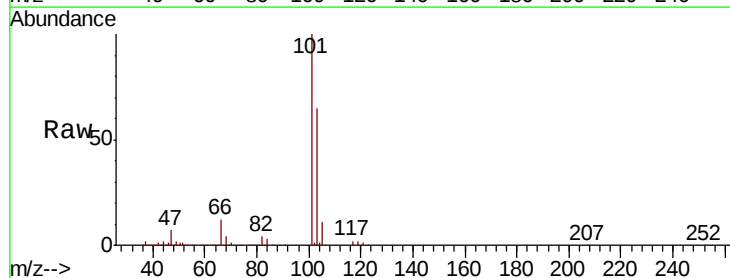
Acq: 25 Aug 2018 17:46

Tgt Ion:101 Resp: 369362

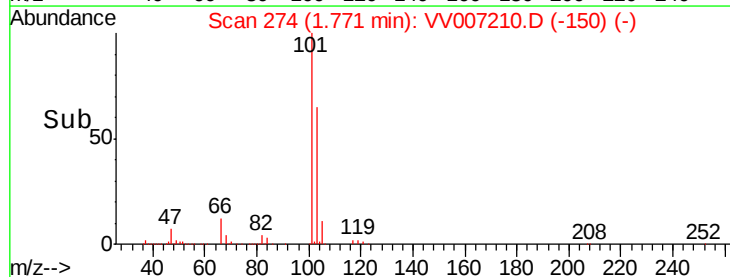
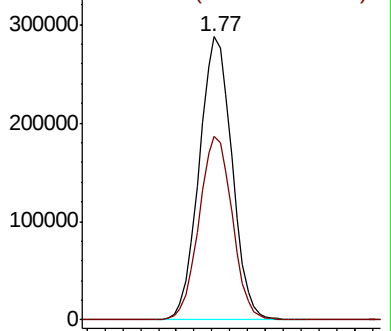
Ion Ratio Lower Upper

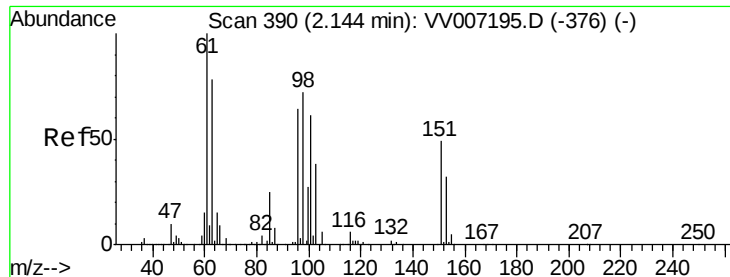
101 100

103 65.5 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV007210.D (-150) (-)





#10

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

Concen: 50.903 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

ClientSampleId :

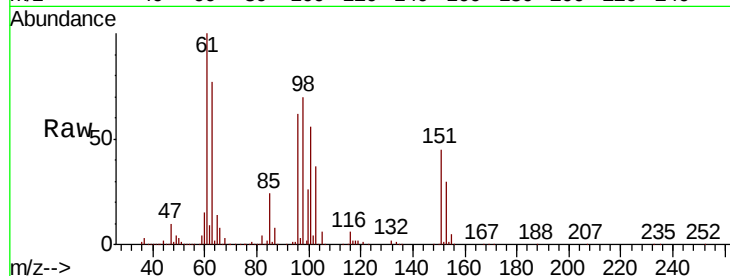
Tot Ion:101 Resp: 223194

Ion Ratio Lower Upper

101 100

85 41.5 31.8 47.8

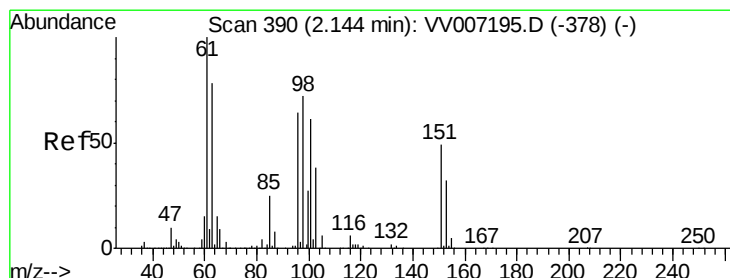
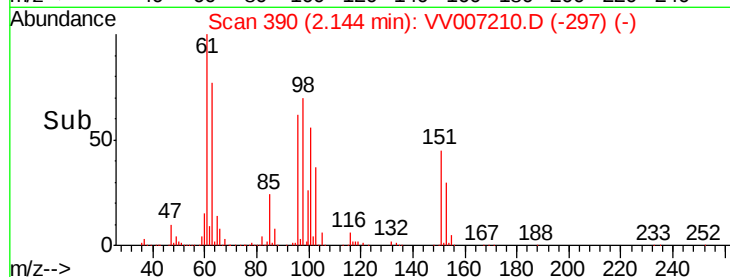
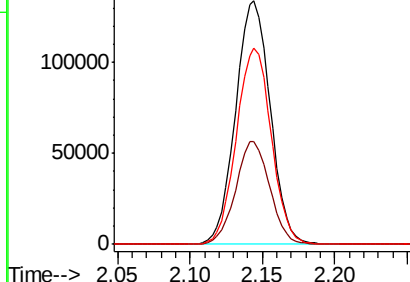
151 81.1 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VV007210.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV007210.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV007210.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 49.797 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

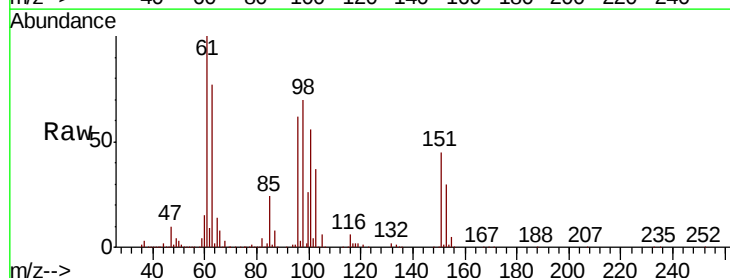
Tgt Ion: 96 Resp: 208508

Ion Ratio Lower Upper

96 100

61 161.5 108.5 201.5

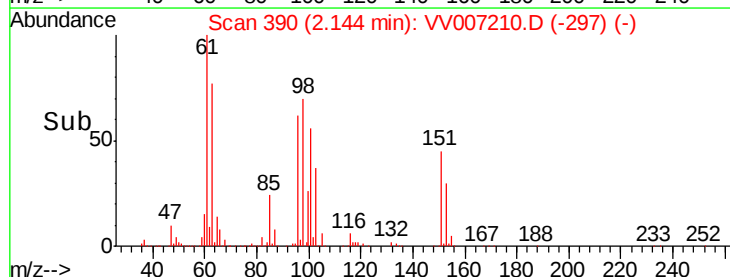
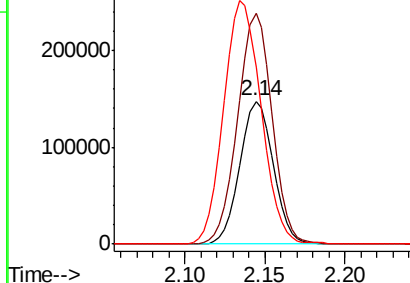
63 123.6 84.9 157.7

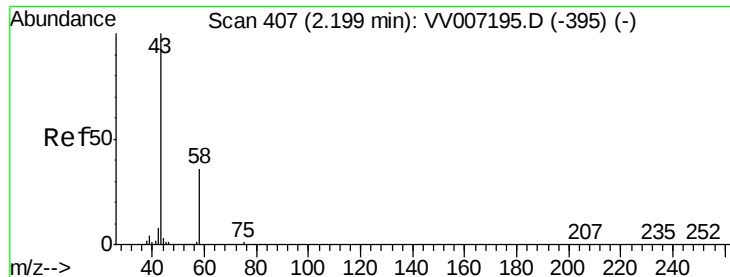


Abundance Ion 96.00 (95.70 to 96.70): VV007210.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VV007210.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007210.D (-297) (-)





#13

Acetone

Concen: 92.210 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

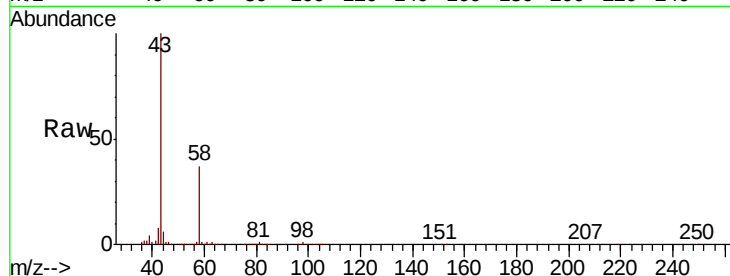
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 241216

Ion Ratio Lower Upper

43 100

58 36.8 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV007210.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007210.D (-395) (-)

2.20

150000

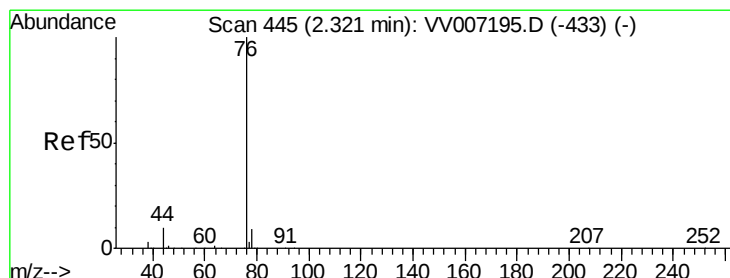
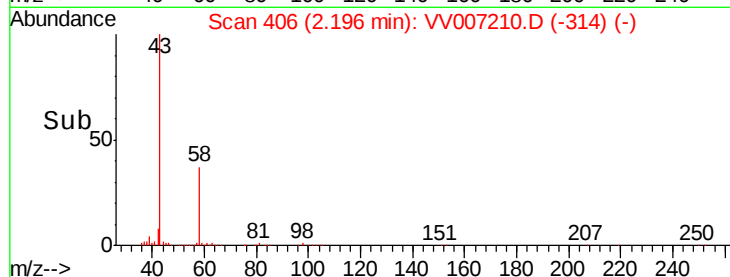
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 48.338 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007210.D

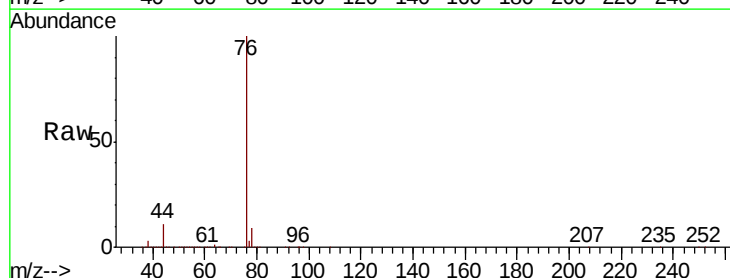
Acq: 25 Aug 2018 17:46

Tgt Ion: 76 Resp: 620263

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007210.D (-352) (-)

Ion 78.00 (77.70 to 78.70): VV007210.D (-352) (-)

2.32

500000

400000

300000

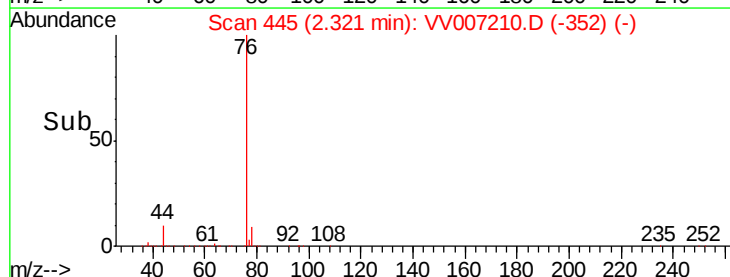
200000

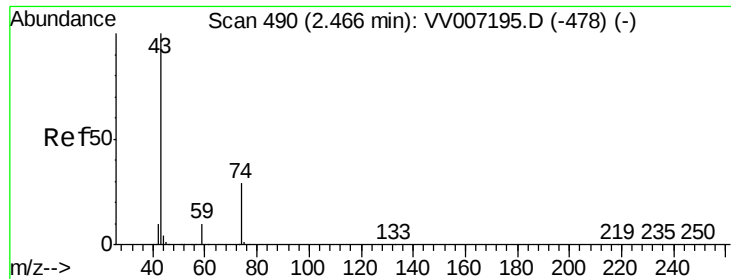
100000

0

2.25 2.30 2.35 2.40

Time-->

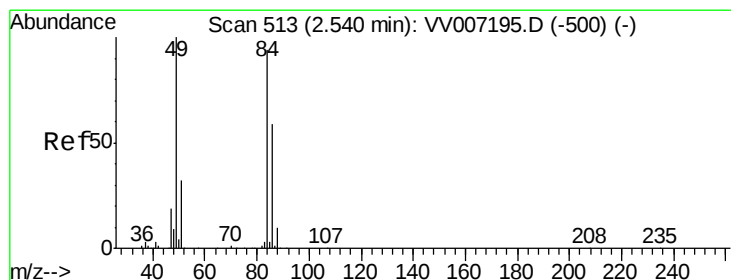
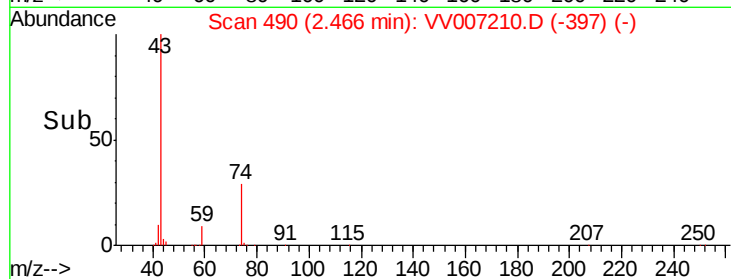
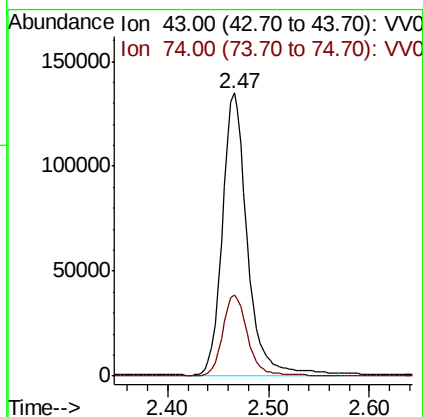
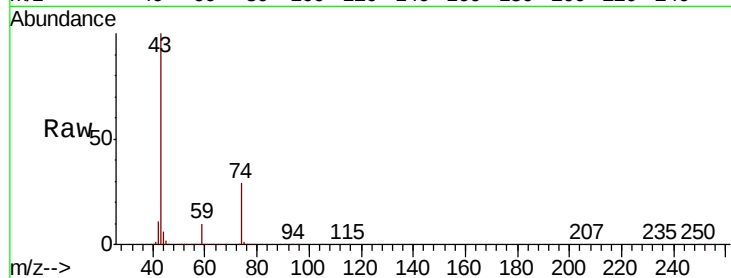




#15
Methvl Acetate
Concen: 49.808 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV007210.D
Acq: 25 Aug 2018 17:46

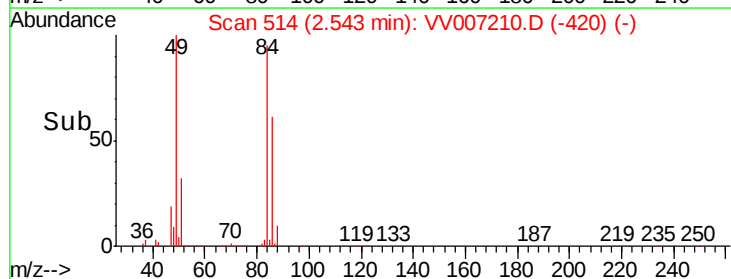
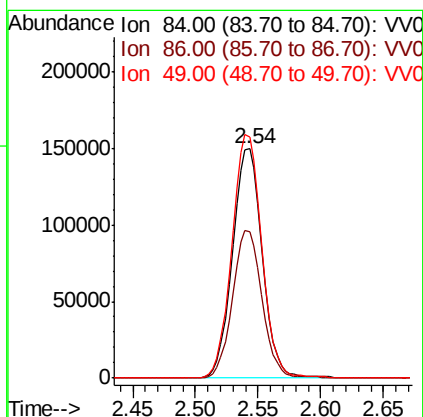
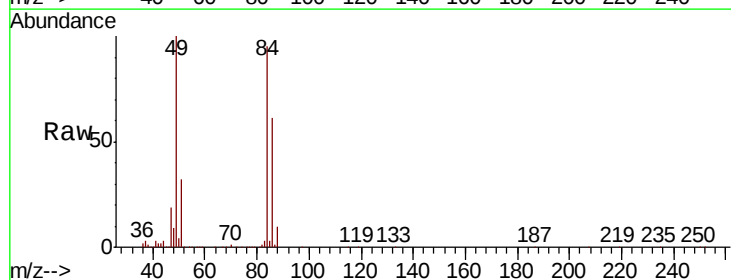
Instrument :
MSVOA_V
ClientSampled :

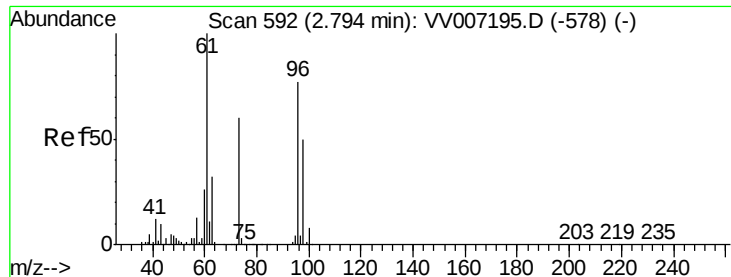
Tot Ion: 43 Resp: 232292
Ion Ratio Lower Upper
43 100
74 29.1 22.6 33.8



#16
Methylene chloride
Concen: 52.038 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV007210.D
Acq: 25 Aug 2018 17:46

Tgt Ion: 84 Resp: 247047
Ion Ratio Lower Upper
84 100
86 63.9 44.9 83.3
49 105.0 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 50.967 ug/L

RT: 2.79 min Scan# 592

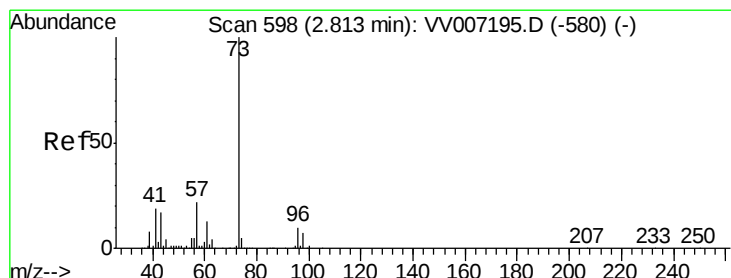
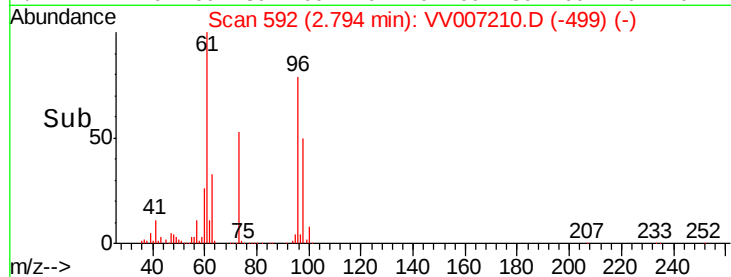
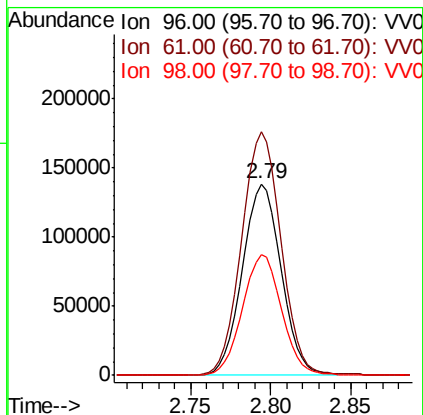
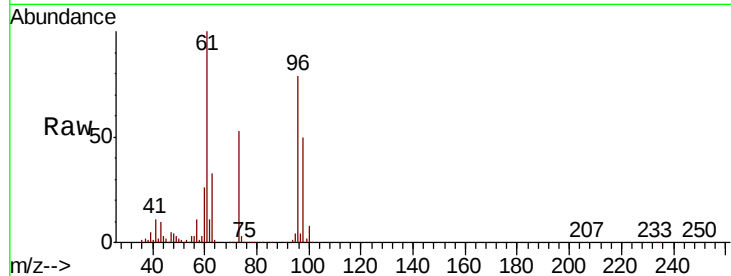
Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	230051
Ion	Ratio	Lower	Upper
96	100		
61	127.1	90.6	168.2
98	63.3	43.8	81.3



#18

Methyl tert-butyl Ether

Concen: 50.244 ug/L

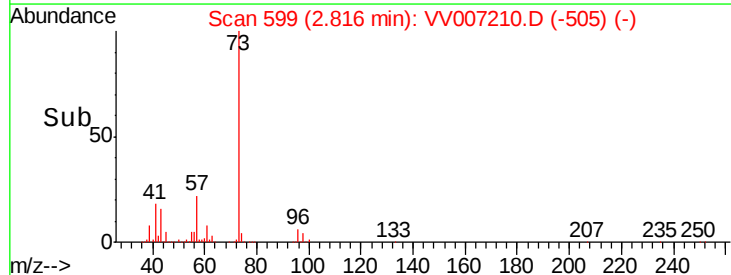
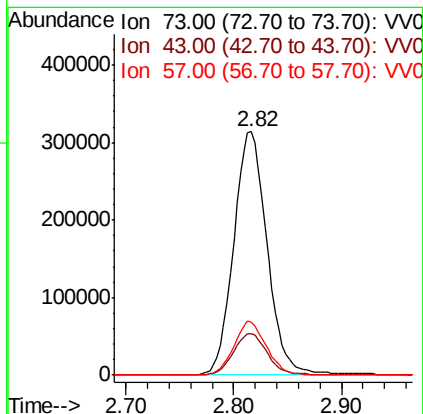
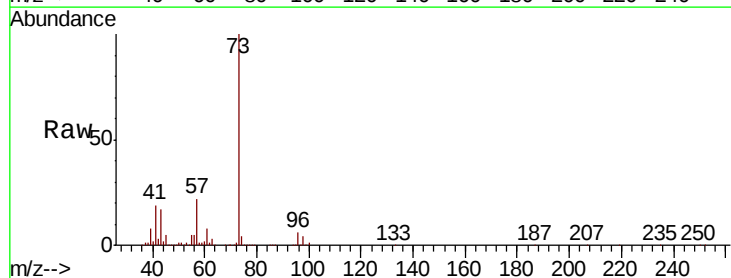
RT: 2.82 min Scan# 599

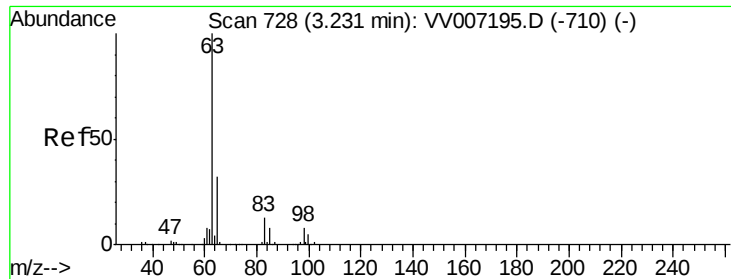
Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Tgt Ion:	73	Resp:	677376
Ion	Ratio	Lower	Upper
73	100		
43	17.1	13.7	20.5
57	21.5	16.8	25.2

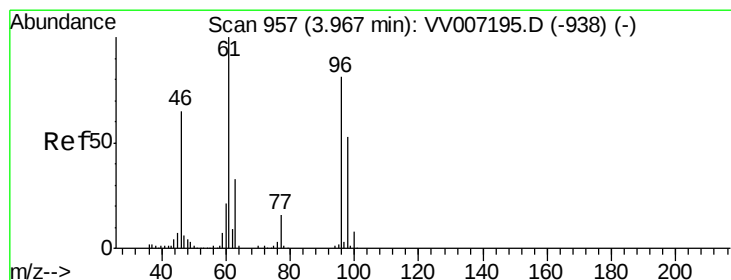
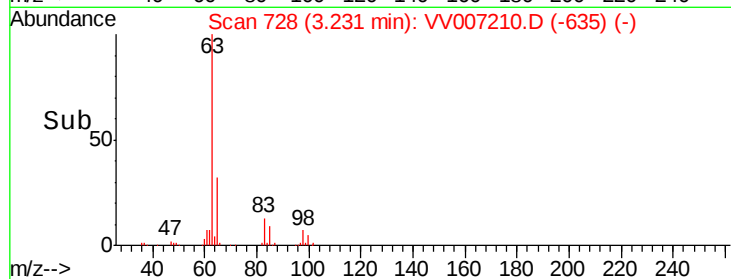
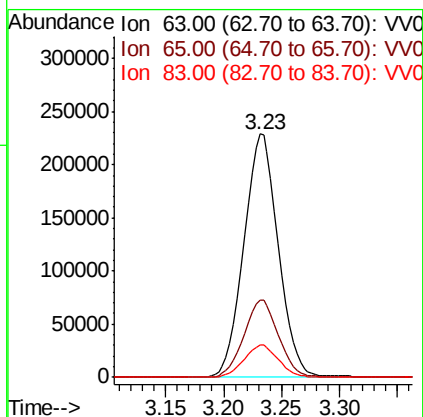
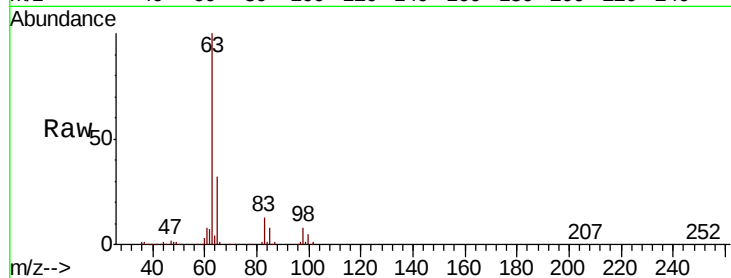




#19
 1,1-Dichloroethane
 Concen: 51.434 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

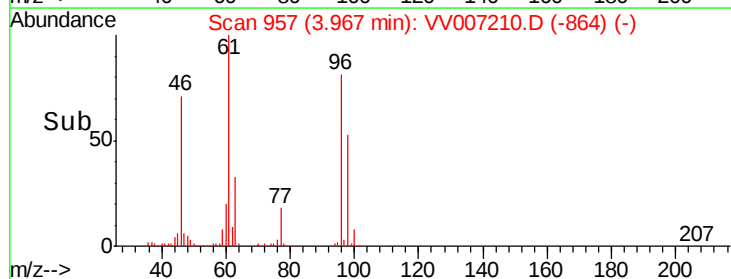
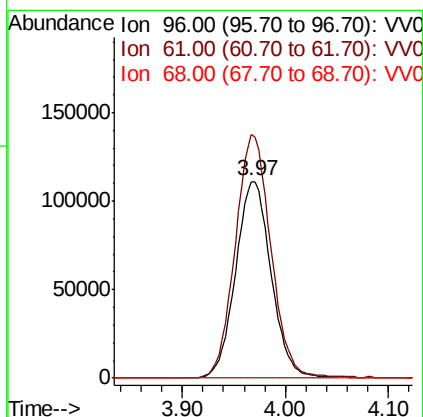
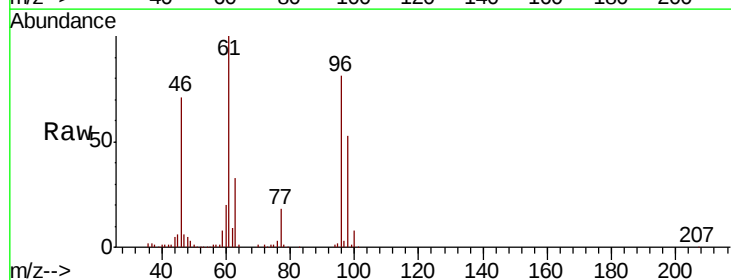
Instrument :
 MSVOA_V
 ClientSampled :

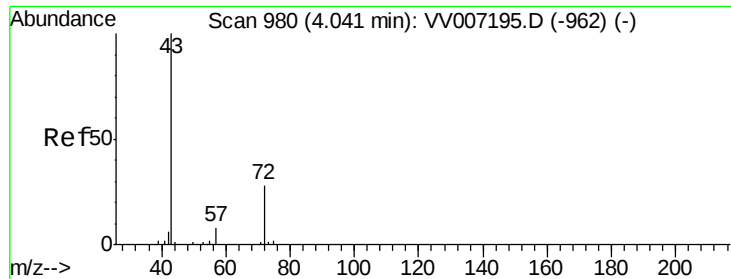
Tot Ion	63	Resp	473275
Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.8	40.4
83	13.2	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 50.445 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion	96	Resp	266410
Ion	Ratio	Lower	Upper
96	100		
61	123.7	88.2	163.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 95.900 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

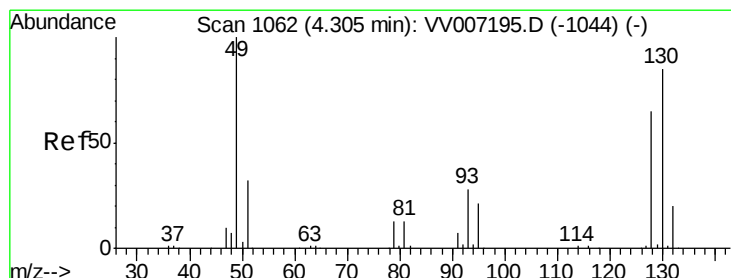
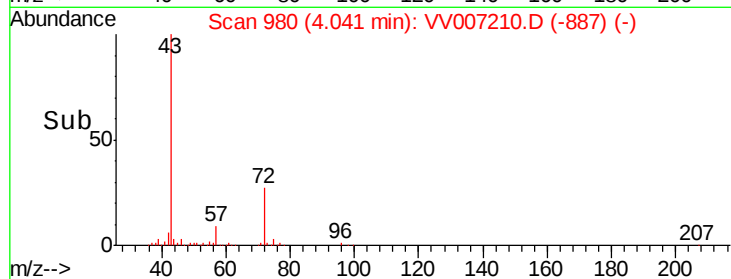
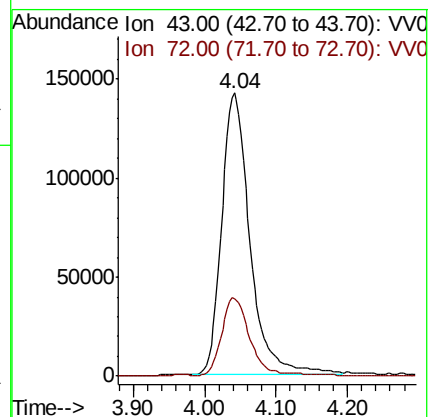
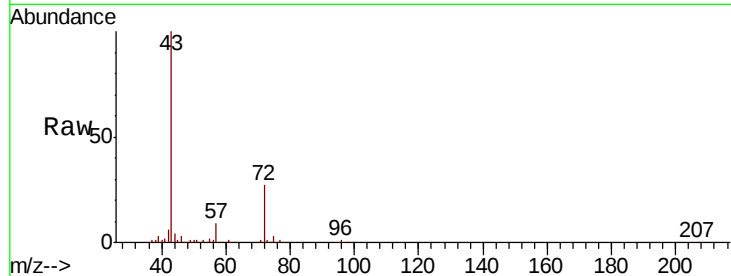
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 390512

Ion Ratio Lower Upper

43 100

72 26.8 13.4 40.1



#23

Bromochloromethane

Concen: 51.677 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Tgt Ion: 128 Resp: 139515

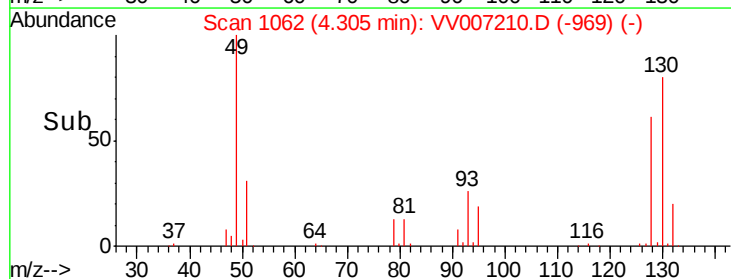
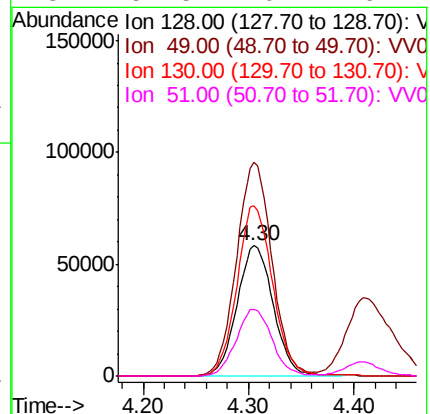
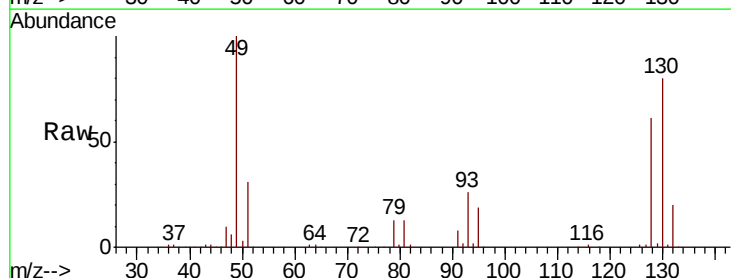
Ion Ratio Lower Upper

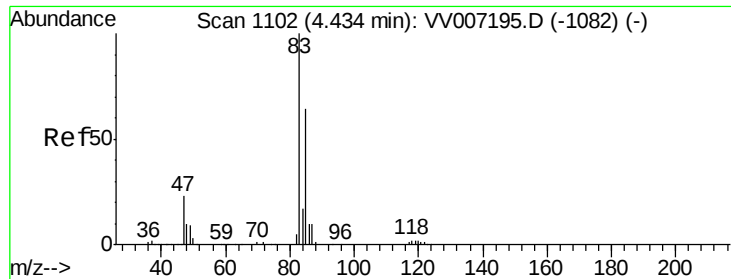
128 100

49 164.3 112.5 208.9

130 131.2 90.6 168.2

51 51.5 40.7 61.1





#25

Chloroform

Concen: 52.255 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

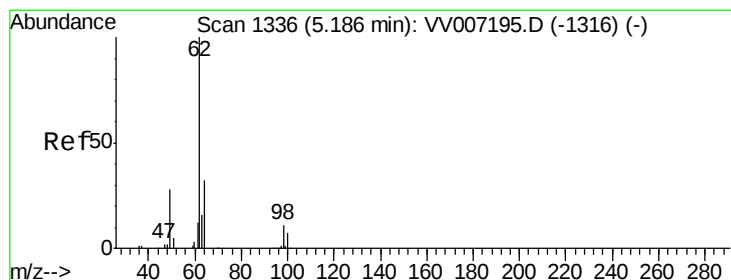
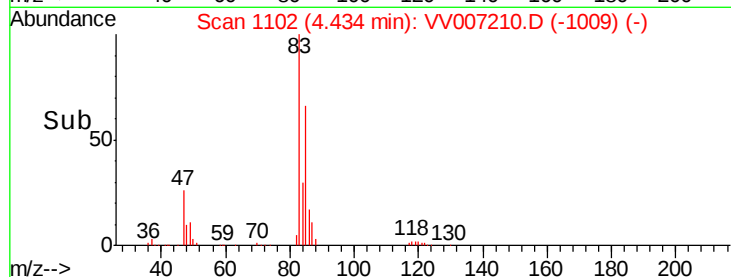
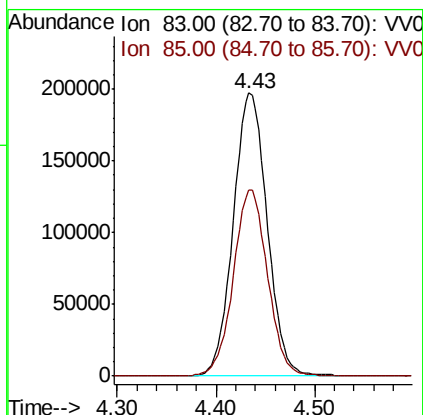
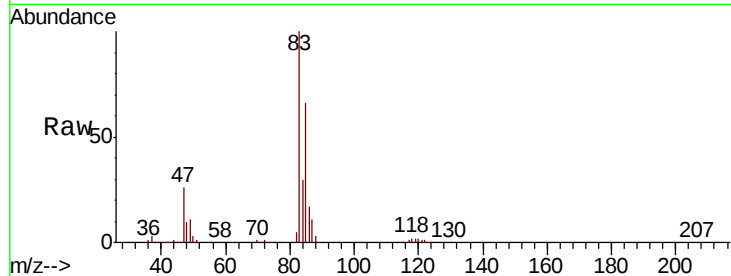
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 471904

Ion Ratio Lower Upper

83 100

85 65.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 53.011 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007210.D

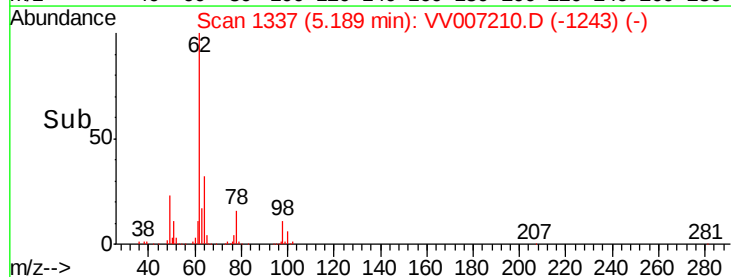
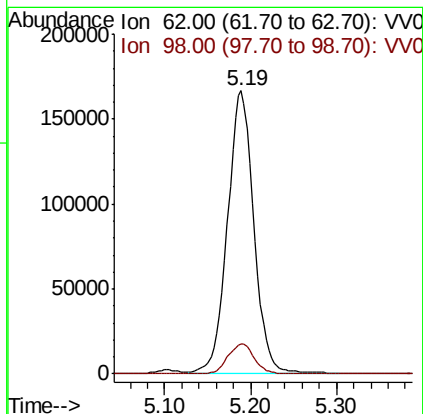
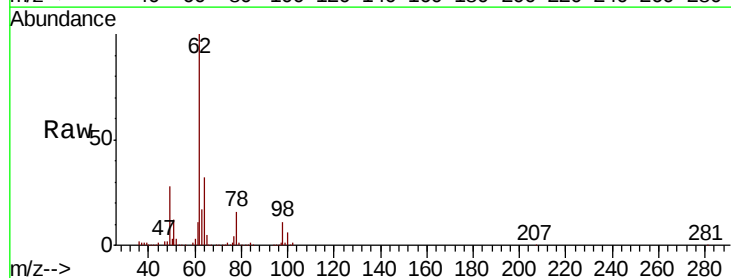
Acq: 25 Aug 2018 17:46

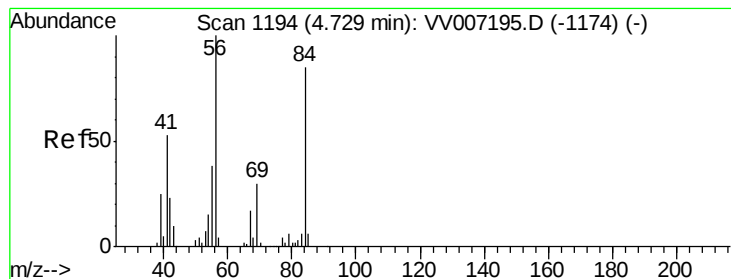
Tgt Ion: 62 Resp: 354090

Ion Ratio Lower Upper

62 100

98 10.7 8.3 12.5





#29

Cvclohexane

Concen: 48.913 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :
MSVOA_V
ClientSampleId :

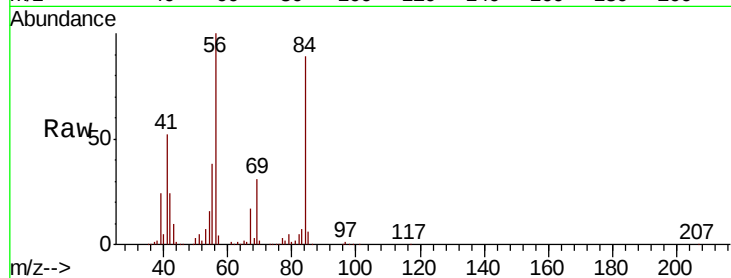
Tot Ion: 56 Resp: 373611

Ion Ratio Lower Upper

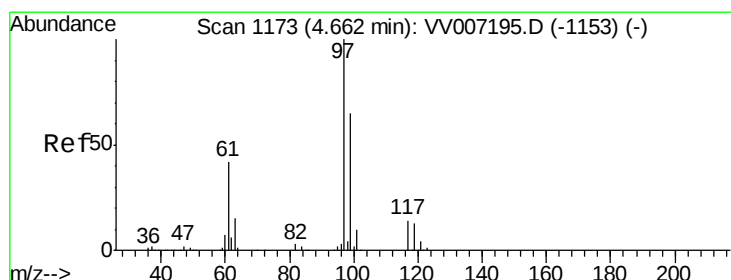
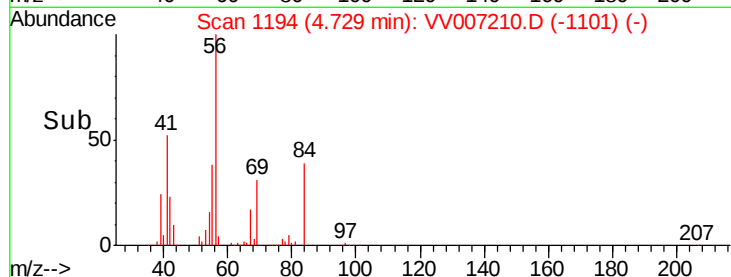
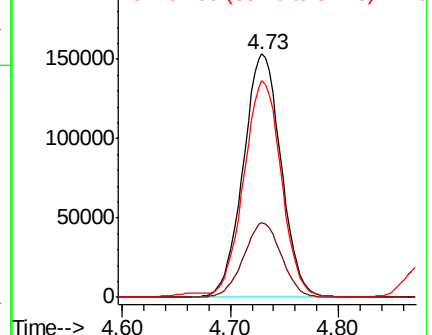
56 100

69 30.8 24.6 36.8

84 88.8 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: 50.679 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

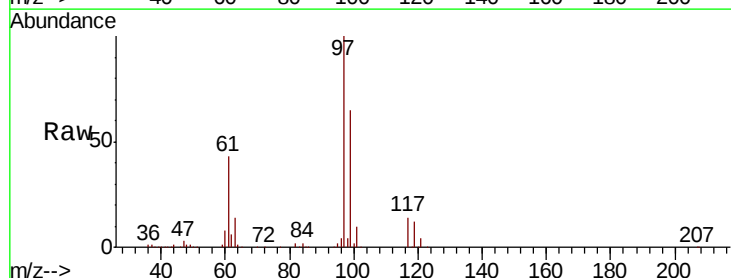
Tgt Ion: 97 Resp: 390992

Ion Ratio Lower Upper

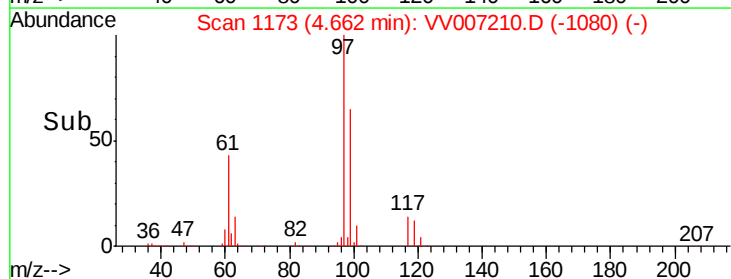
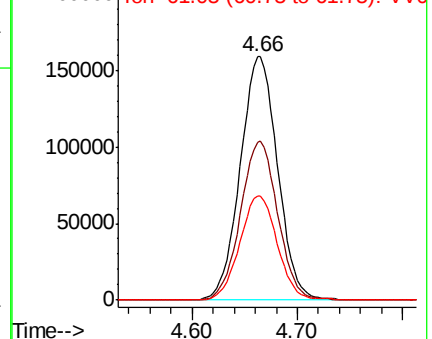
97 100

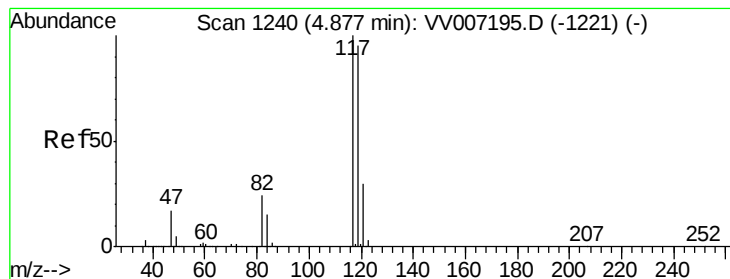
99 65.1 51.6 77.4

61 42.9 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: 51.129 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

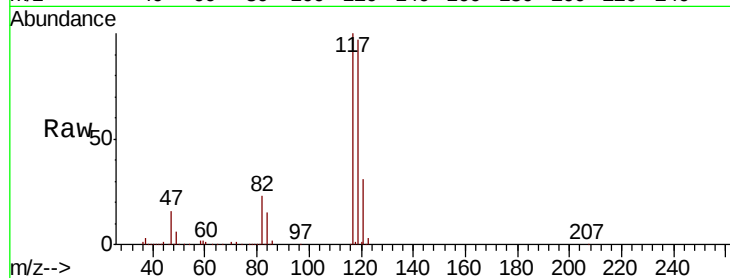
ClientSampleId :

Tot Ion:117 Resp: 338708

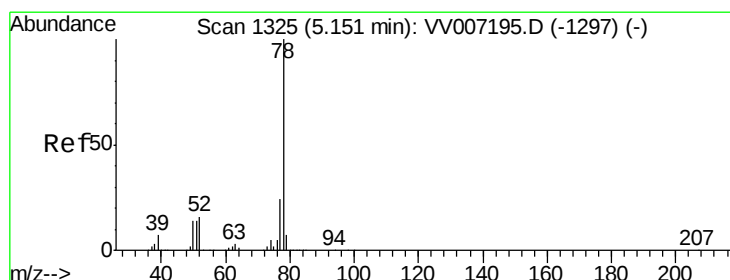
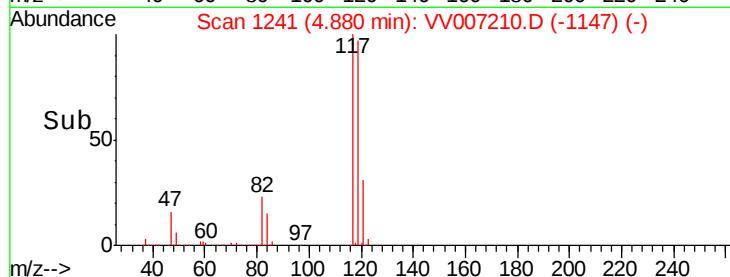
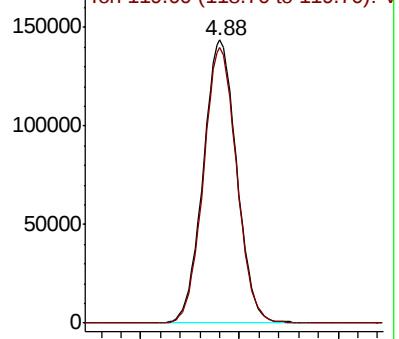
Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V



#33

Benzene

Concen: 51.368 ug/L

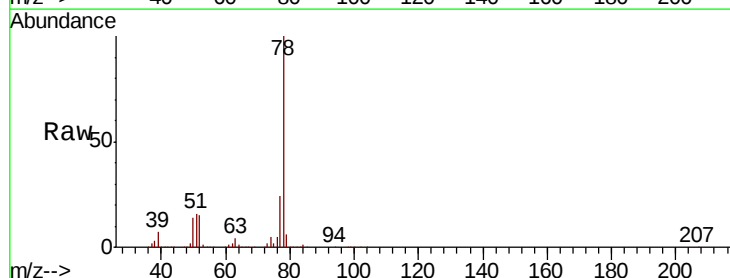
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

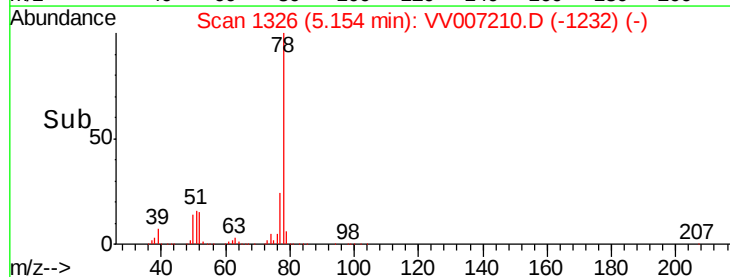
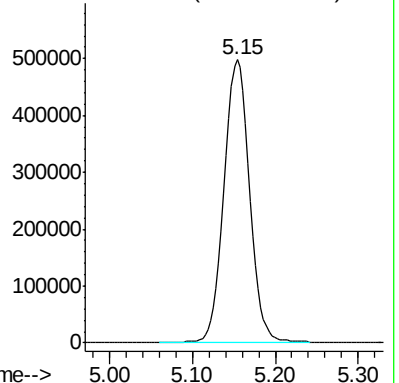
Lab File: VV007210.D

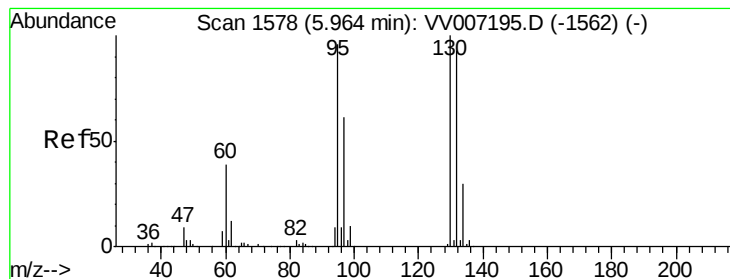
Acq: 25 Aug 2018 17:46

Tgt Ion: 78 Resp: 1070758



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.507 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 250939

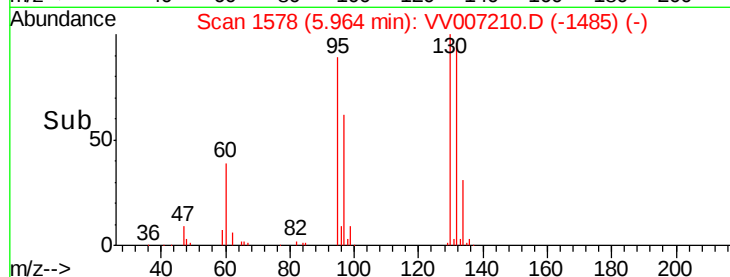
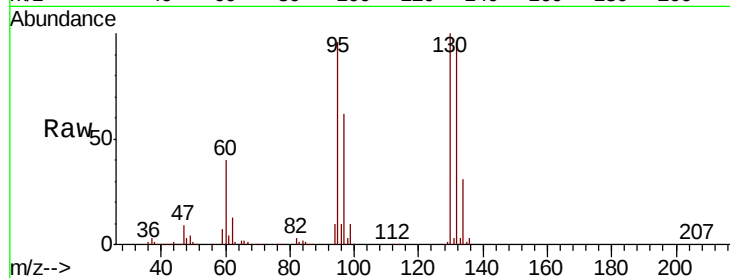
Ion Ratio Lower Upper

95 100

97 65.2 45.4 84.2

132 100.3 70.8 131.4

130 104.4 71.7 133.3

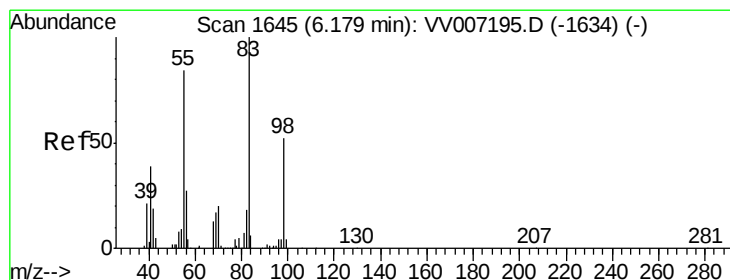
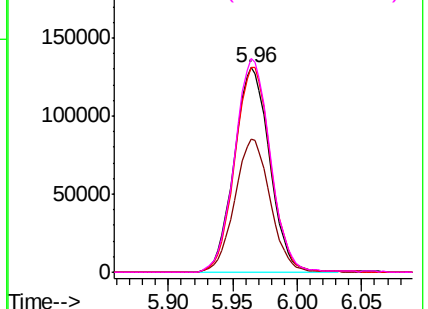


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.594 ug/L

RT: 6.18 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

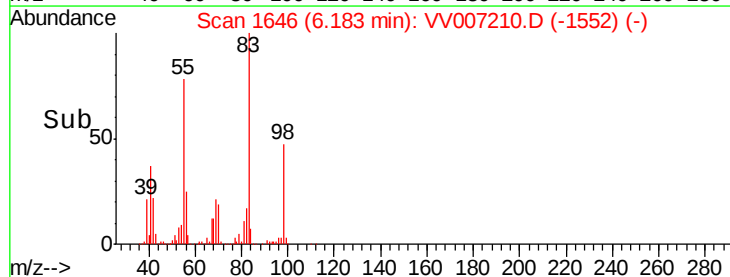
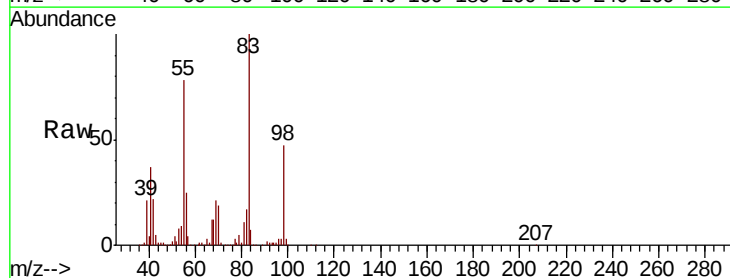
Tgt Ion: 83 Resp: 399762

Ion Ratio Lower Upper

83 100

55 78.2 62.2 93.2

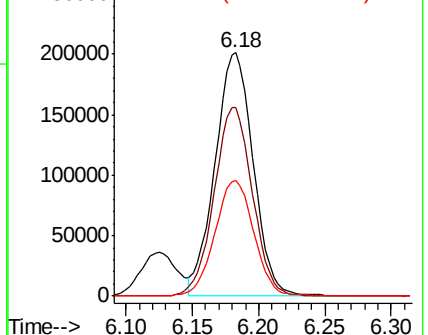
98 49.1 37.9 56.9

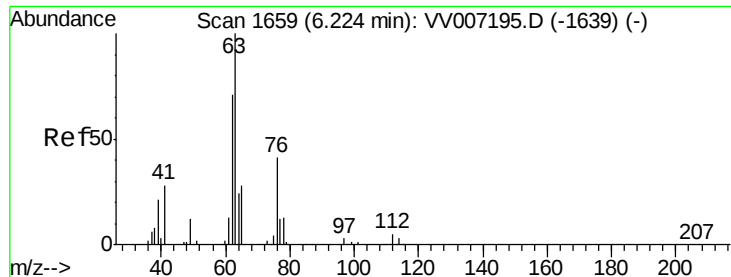


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

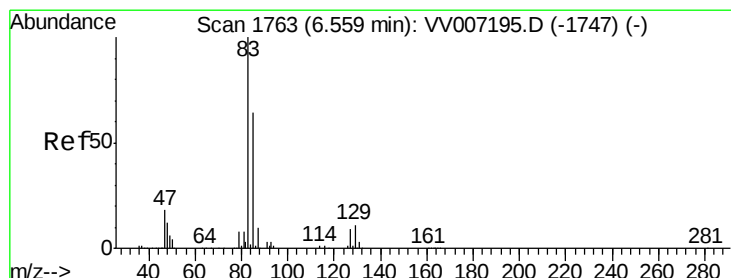
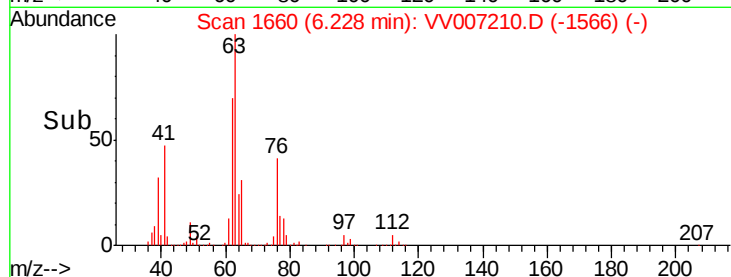
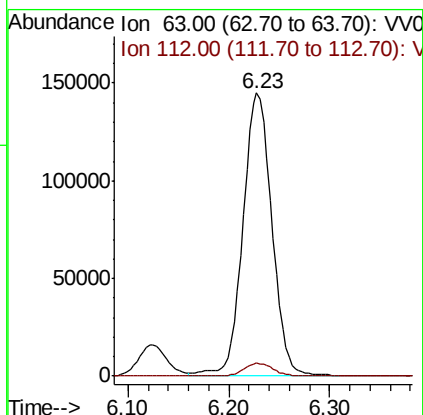
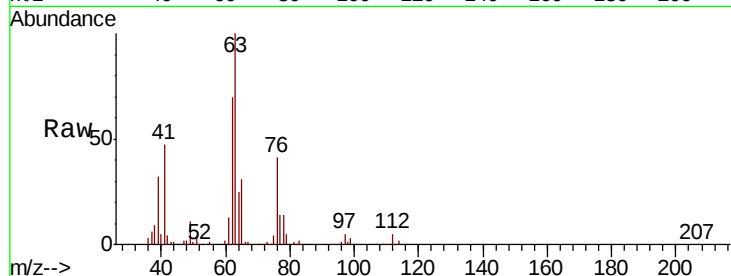




#37
 1,2-Dichloropropane
 Concen: 51.383 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

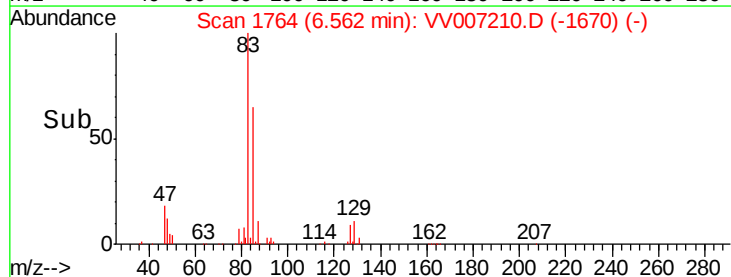
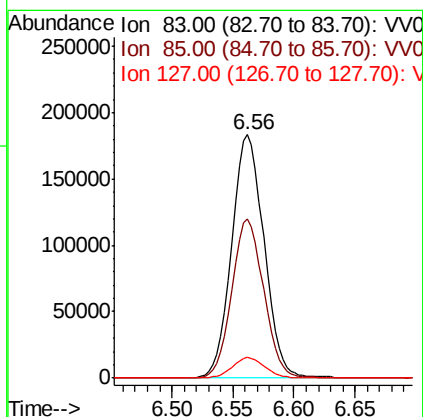
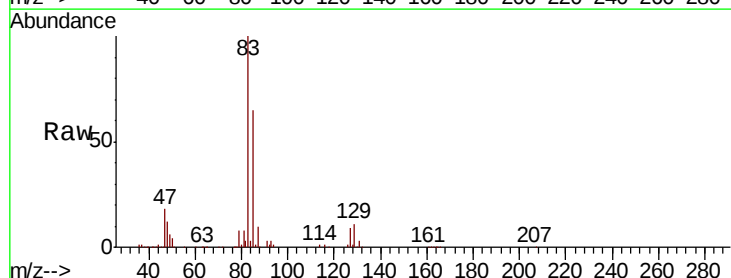
Instrument :
 MSVOA_V
 ClientSampleId :

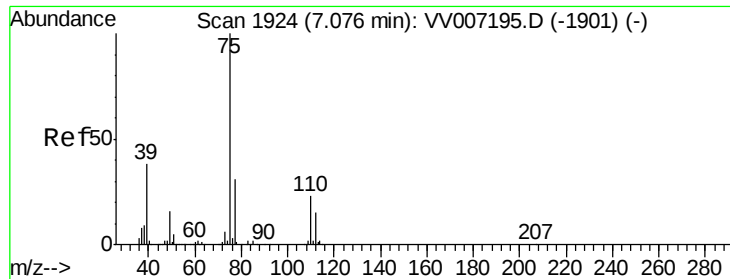
Tot Ion: 63 Resp: 284926
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 50.286 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion: 83 Resp: 339107
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.1 81.9
 127 8.5 6.6 10.0

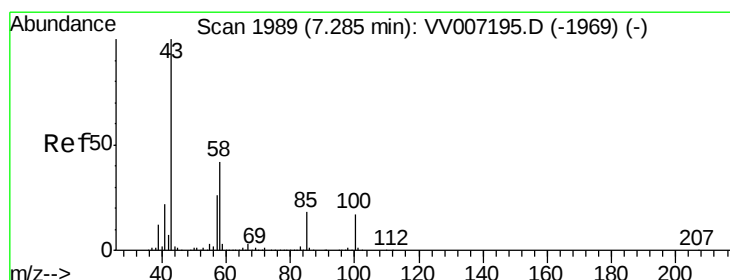
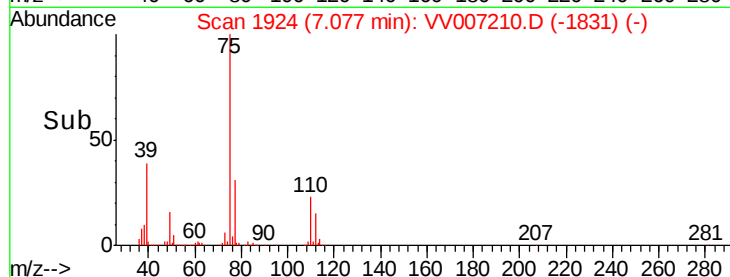
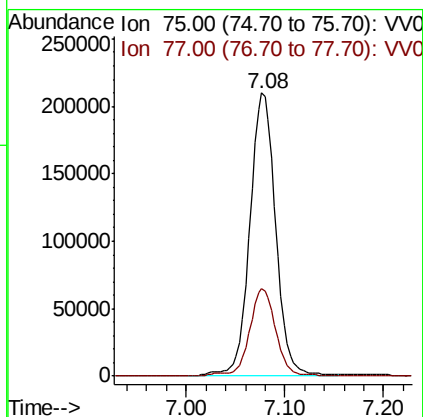
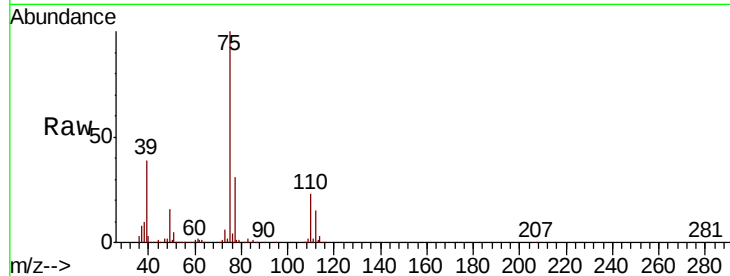




#39
 cis-1,3-Dichloropropene
 Concen: 49.138 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

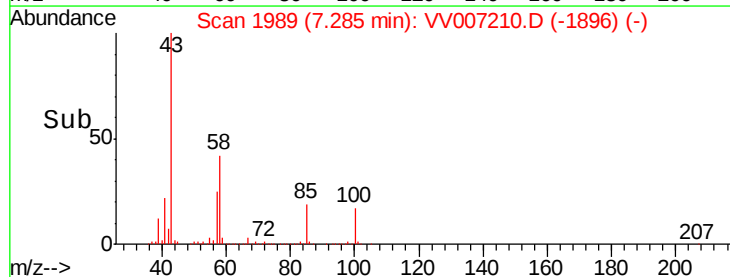
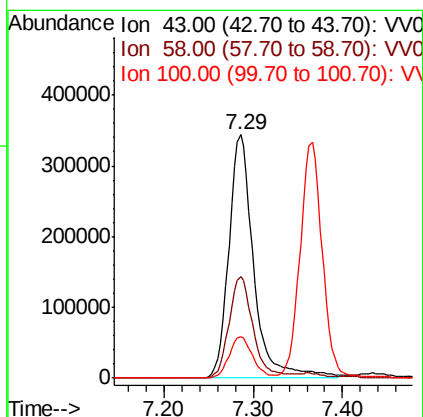
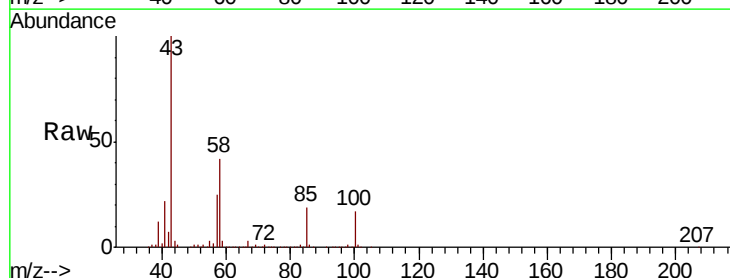
Instrument :
 MSVOA_V
 ClientSampleId :

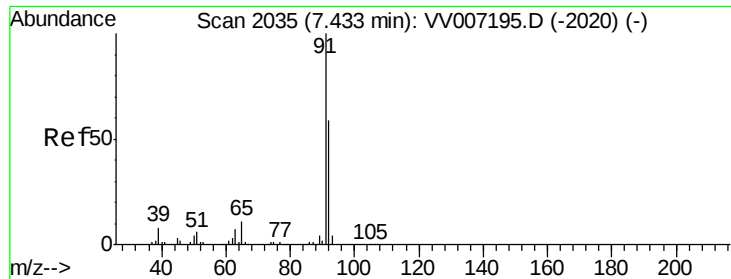
Tot Ion: 75 Resp: 379775
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 102.386 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion: 43 Resp: 665664
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.5 47.3
 100 16.0 12.6 18.8





#42

Toluene

Concen: 53.045 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

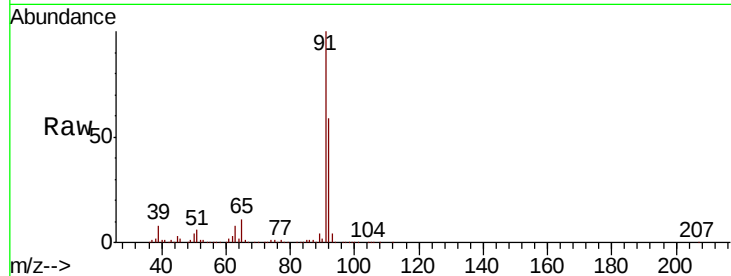
ClientSampleId :

Tot Ion: 91 Resp: 1071871

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.44

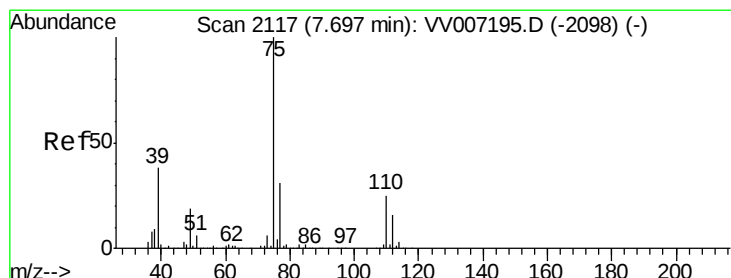
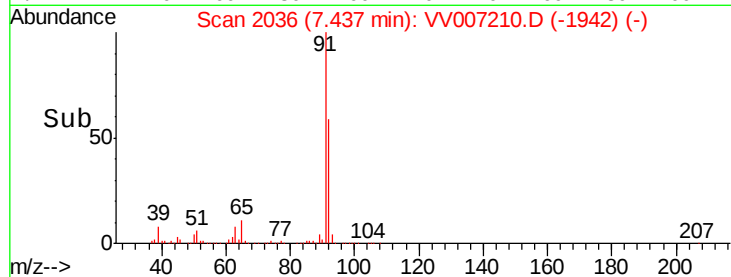
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.552 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007210.D

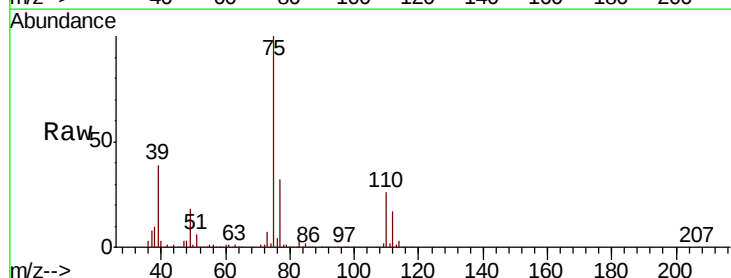
Acq: 25 Aug 2018 17:46

Tgt Ion: 75 Resp: 355858

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.70

250000

200000

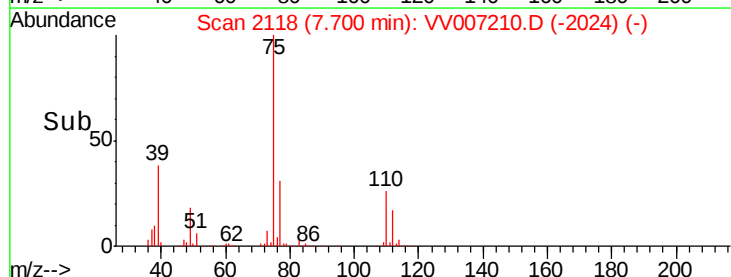
150000

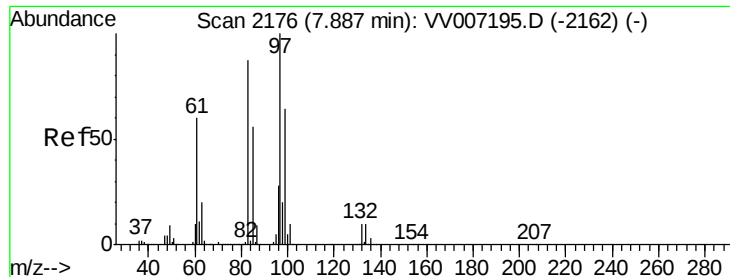
100000

50000

0

Time-->

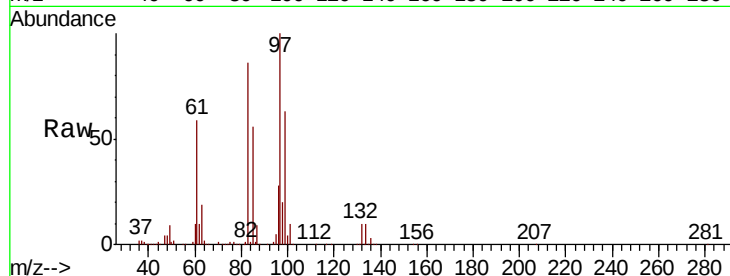




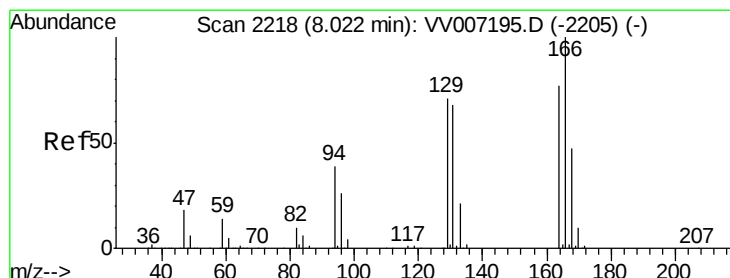
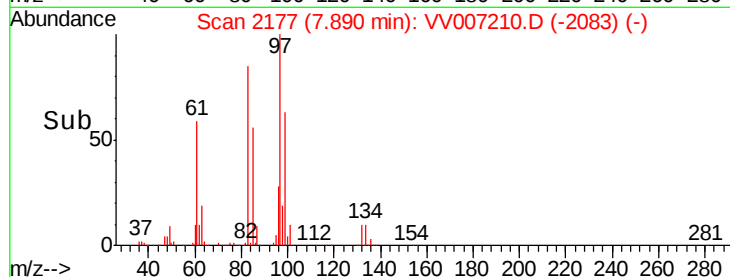
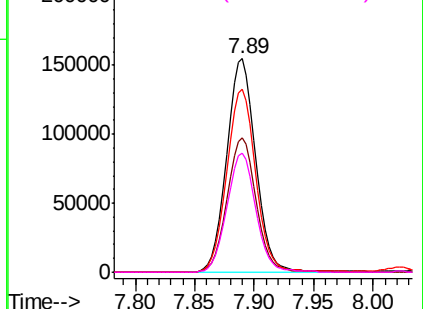
#45
 1,1,2-Trichloroethane
 Concen: 50.994 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	261862
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.8	81.4
83	85.6	61.0	113.4
85	55.9	39.2	72.8

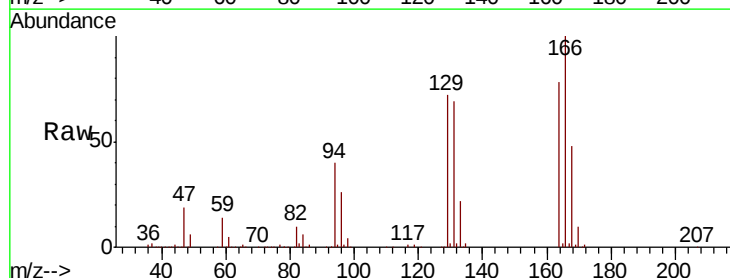


Abundance Ion 97.00 (96.70 to 97.70): VV007210.D (-2162) (-)

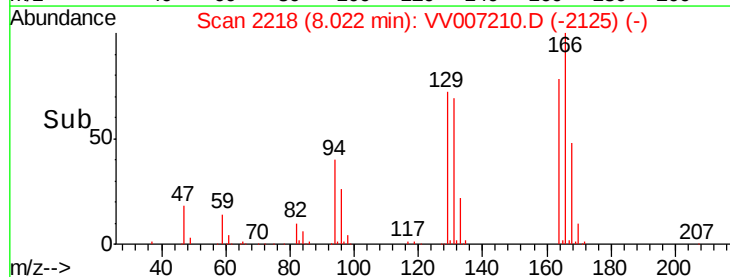
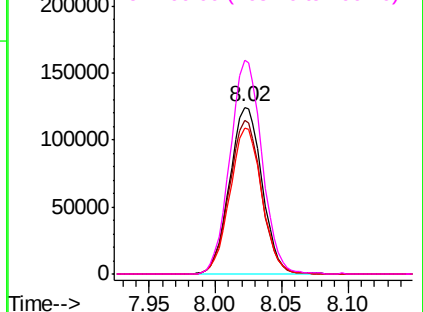


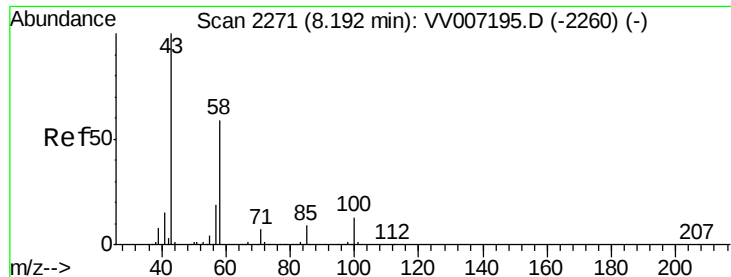
#46
 Tetrachloroethene
 Concen: 50.556 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion:	164	Resp:	211323
Ion	Ratio	Lower	Upper
164	100		
129	91.8	63.3	117.7
131	87.7	60.6	112.6
166	127.9	87.8	163.2



Abundance Ion 164.00 (163.70 to 164.70): VV007210.D (-2218) (-)

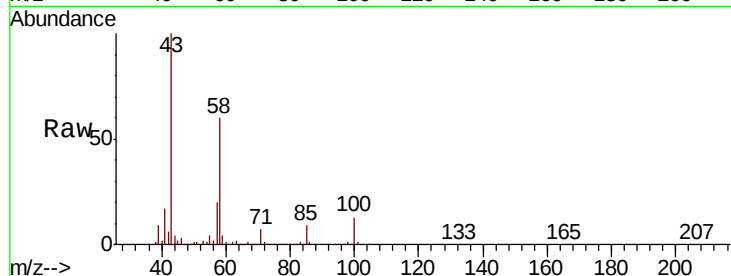




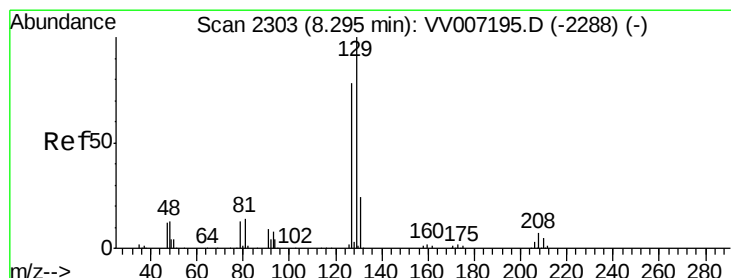
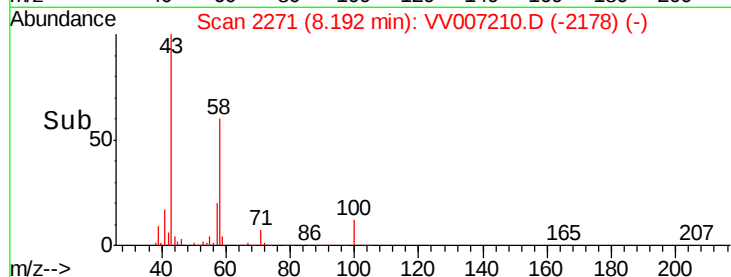
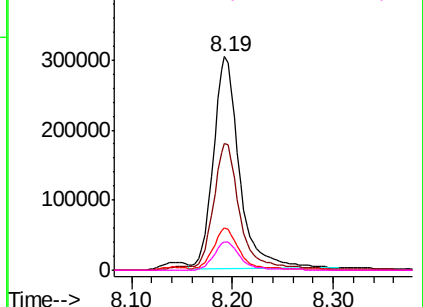
#48
2-Hexanone
Concen: 105.515 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007210.D
Acq: 25 Aug 2018 17:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	537107
Ion	Ratio	Lower	Upper
43	100		
58	60.8	47.3	70.9
57	20.0	16.5	24.7
100	13.7	11.0	16.4

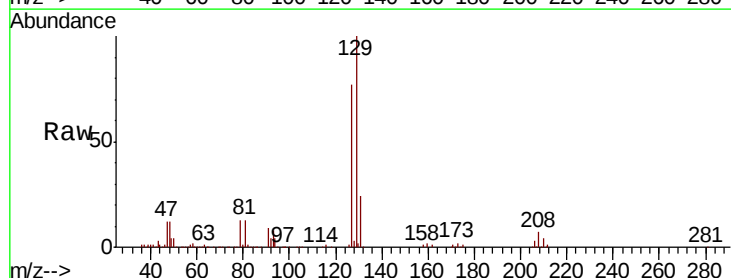


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

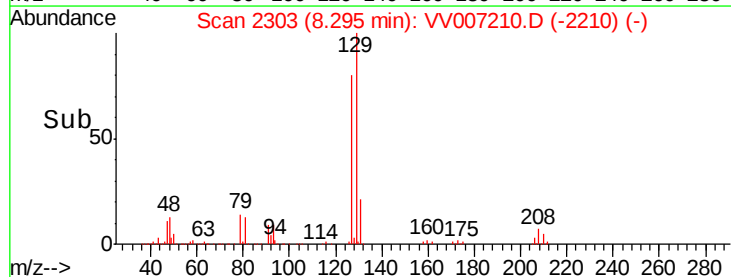
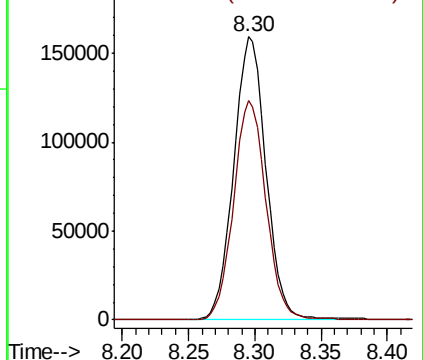


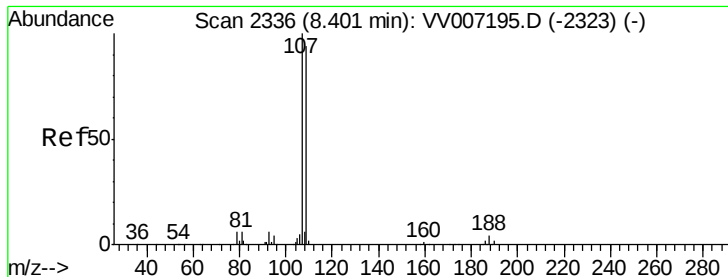
#49
Dibromochloromethane
Concen: 51.229 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007210.D
Acq: 25 Aug 2018 17:46

Tgt Ion:	129	Resp:	269827
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.0	100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

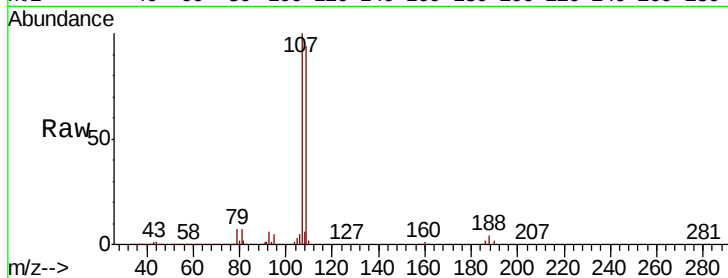




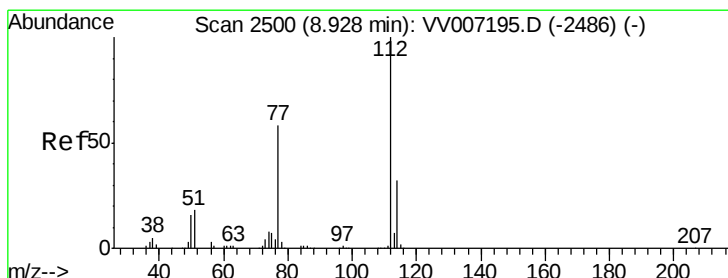
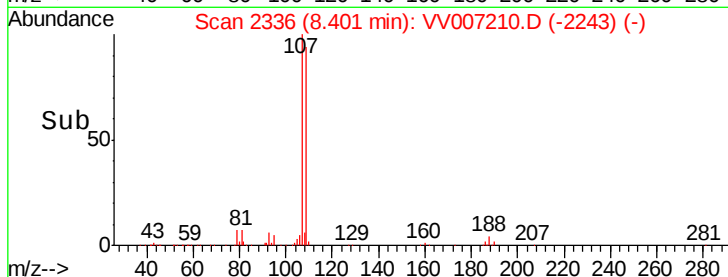
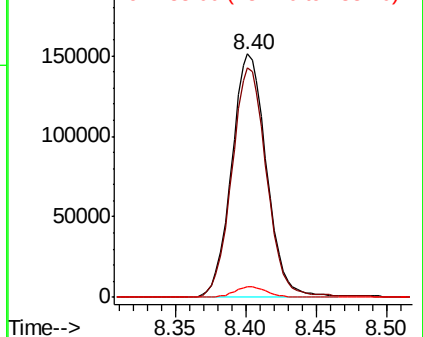
#50
 1,2-Dibromoethane
 Concen: 50.771 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	68.3	126.8
188	4.2	3.3	4.9

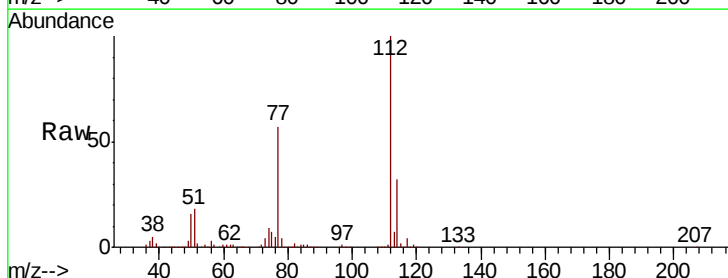


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

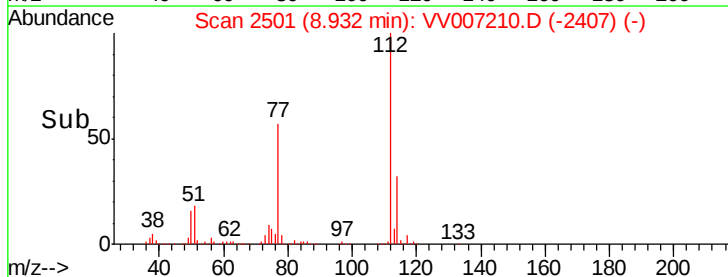
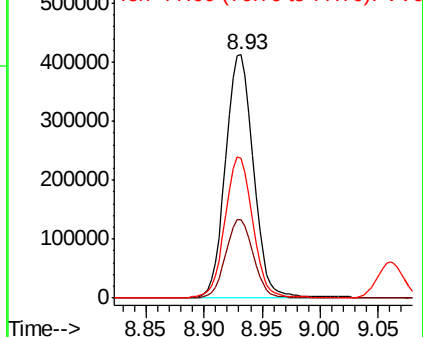


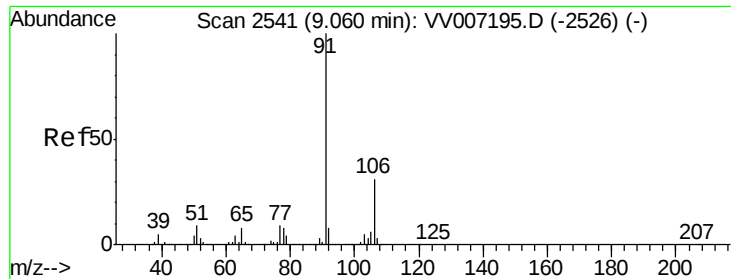
#51
 Chlorobenzene
 Concen: 50.311 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.0	40.8
77	57.4	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): VV0





#52

Ethylbenzene

Concen: 51.616 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

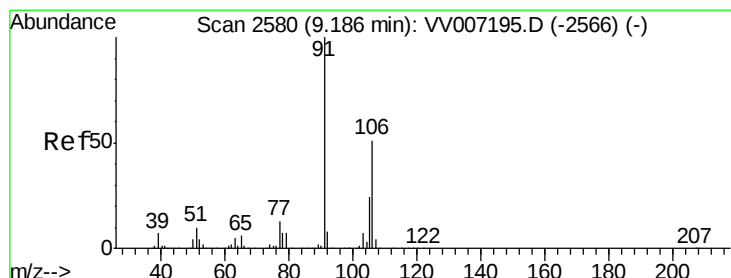
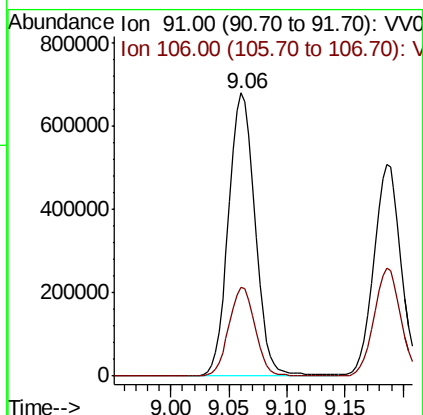
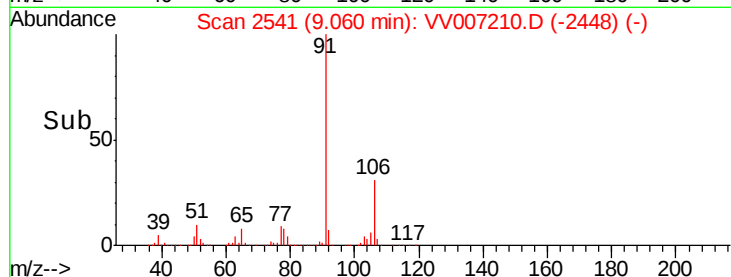
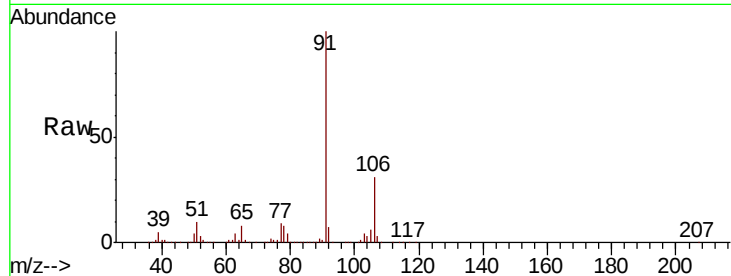
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1083118

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 52.503 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007210.D

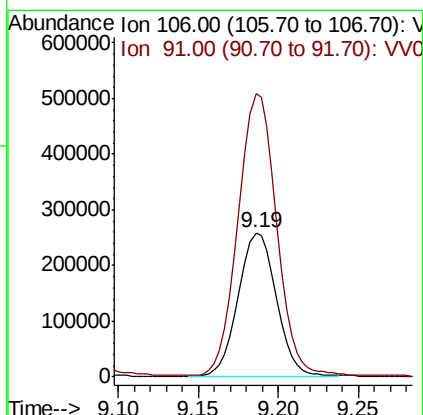
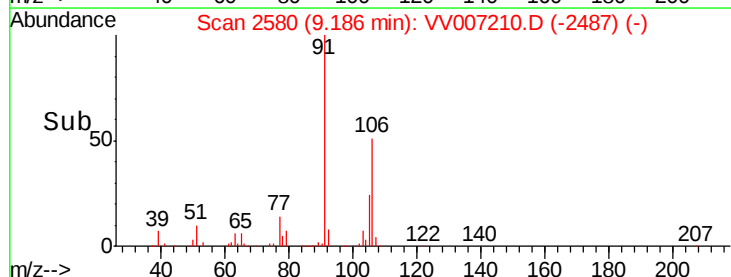
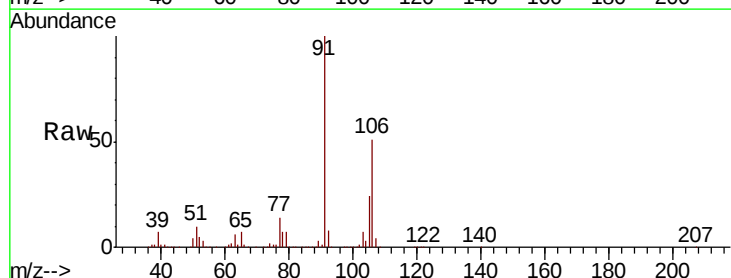
Acq: 25 Aug 2018 17:46

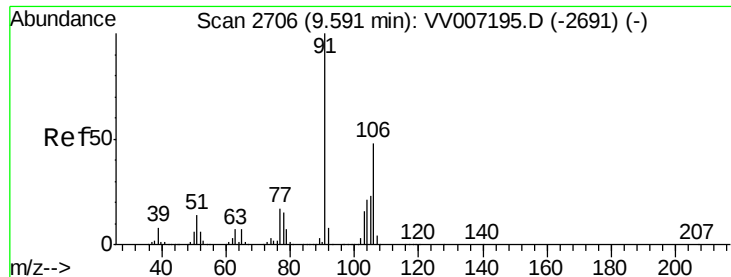
Tgt Ion: 106 Resp: 418332

Ion Ratio Lower Upper

106 100

91 196.3 138.9 258.1





#54

o-xylene

Concen: 51.668 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

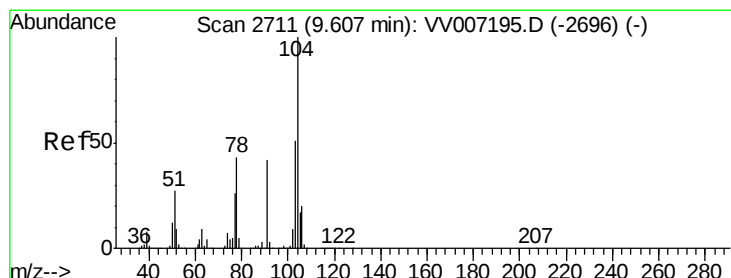
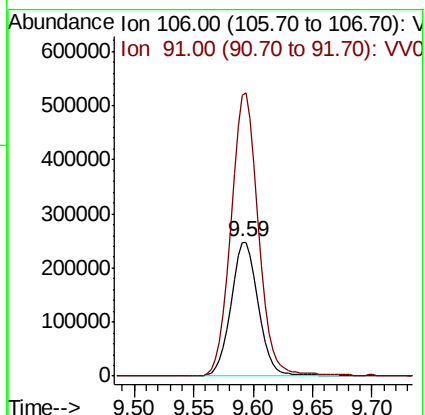
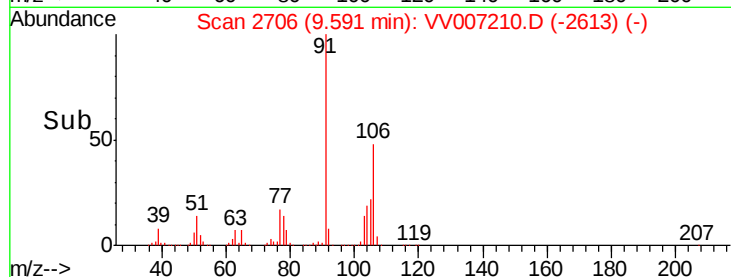
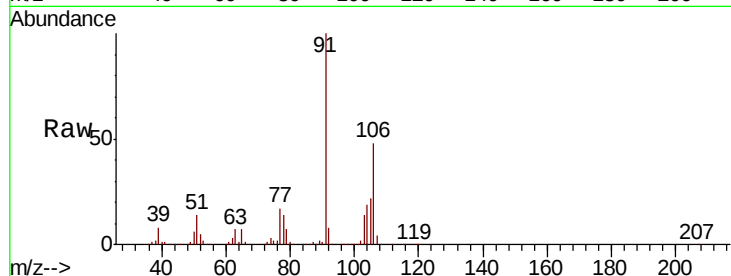
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 396229

Ion Ratio Lower Upper

106 100

91 209.7 145.2 269.6



#55

Styrene

Concen: 55.652 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007210.D

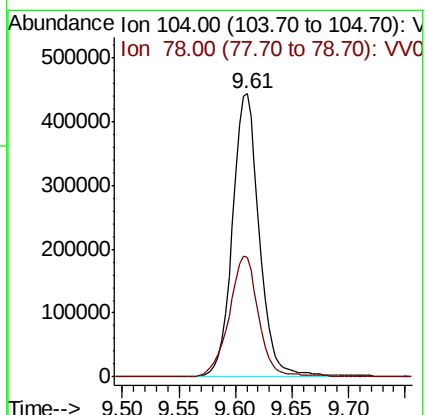
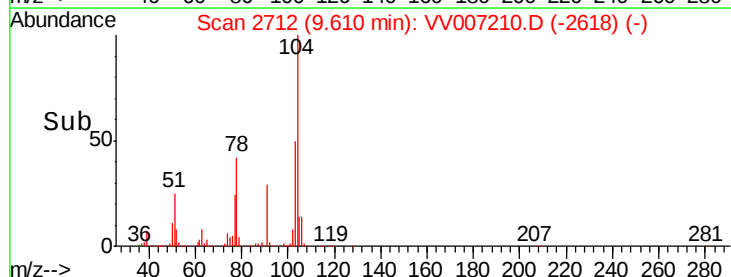
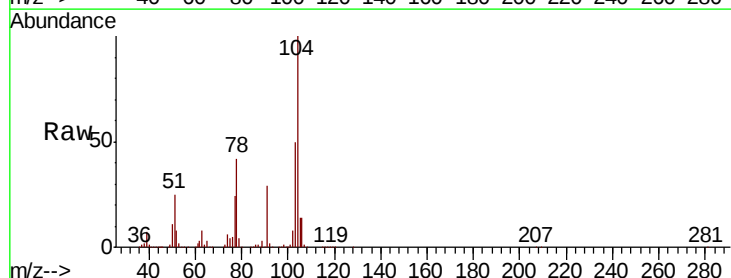
Acq: 25 Aug 2018 17:46

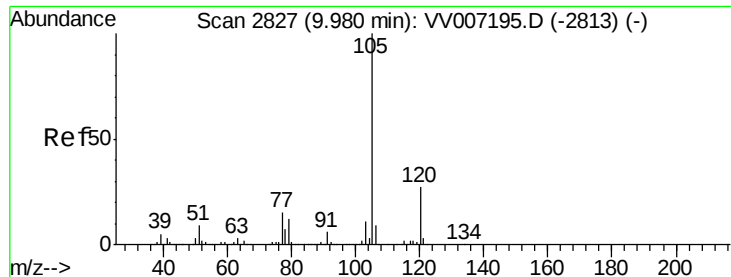
Tgt Ion:104 Resp: 732325

Ion Ratio Lower Upper

104 100

78 42.0 29.3 54.3





#56

Isopropylbenzene

Concen: 52.696 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :
MSVOA_V
ClientSampleId :

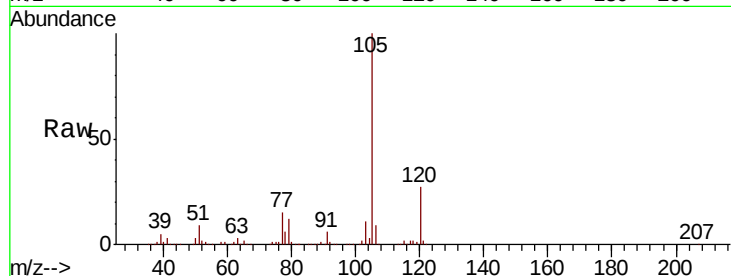
Tot Ion:105 Resp: 1033661

Ion Ratio Lower Upper

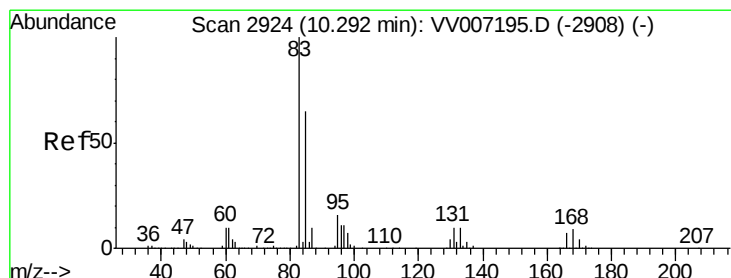
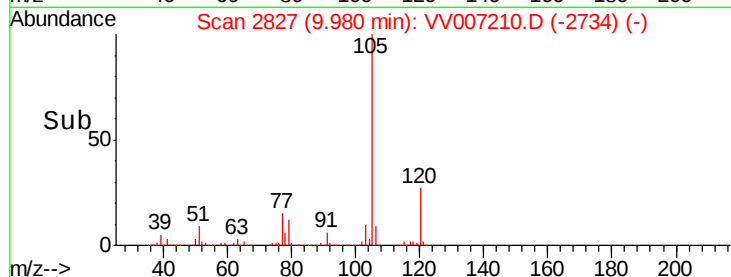
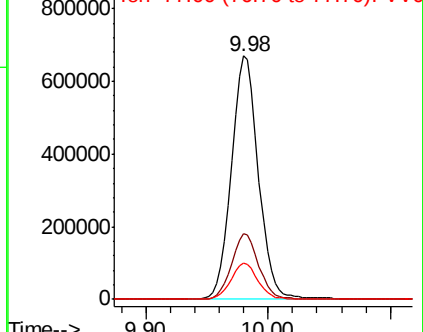
105 100

120 26.9 21.2 31.8

77 14.9 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: 50.066 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

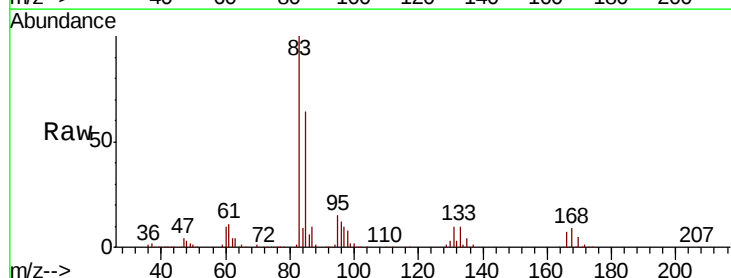
Tgt Ion: 83 Resp: 422154

Ion Ratio Lower Upper

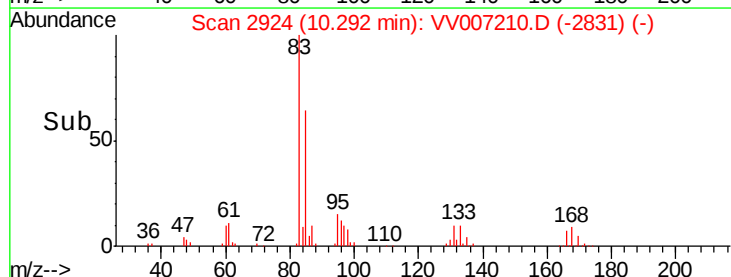
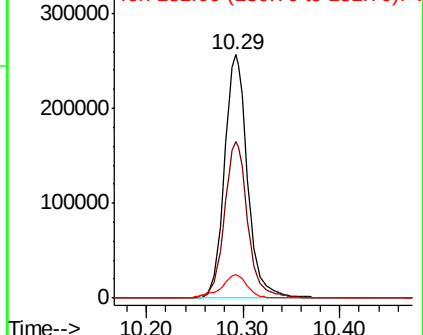
83 100

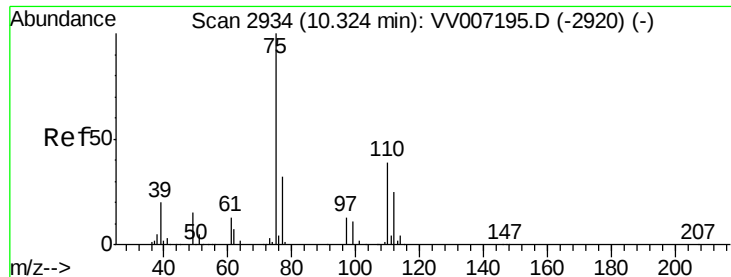
85 64.4 45.4 84.2

131 9.7 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

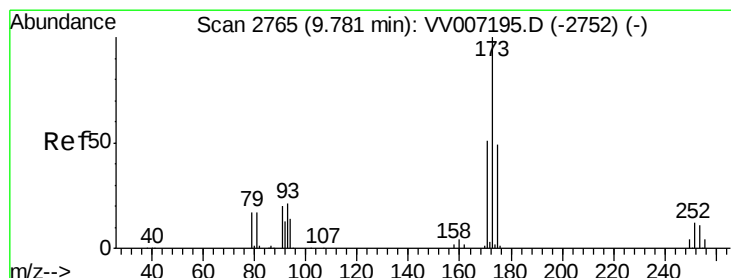
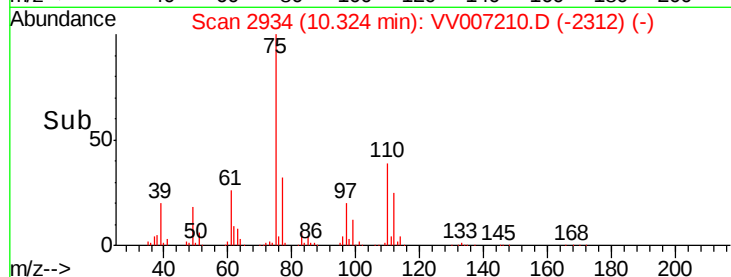
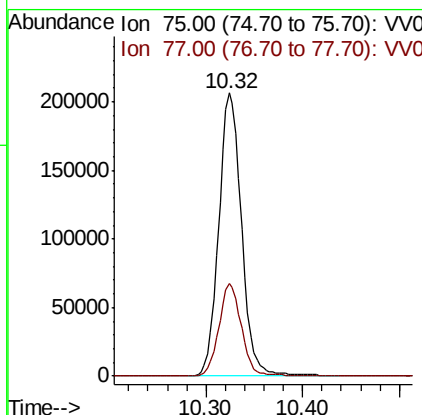
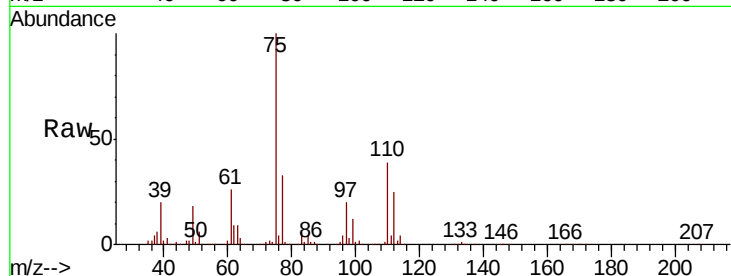




#59
 1,2,3-Trichloropropane
 Concen: 49.830 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

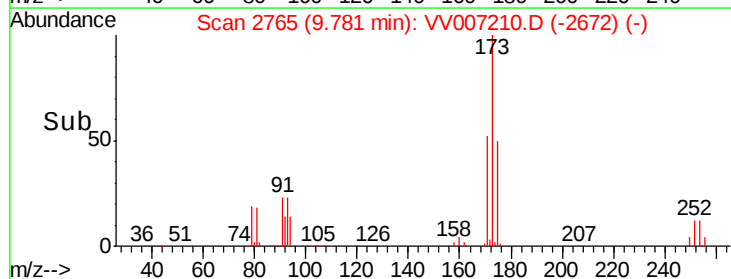
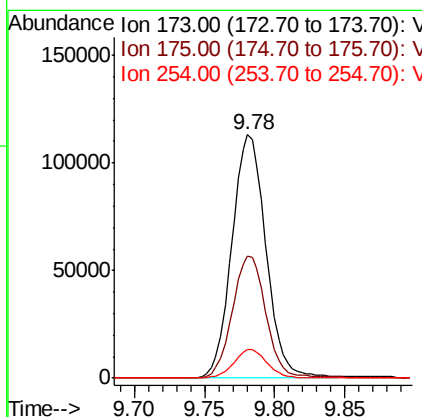
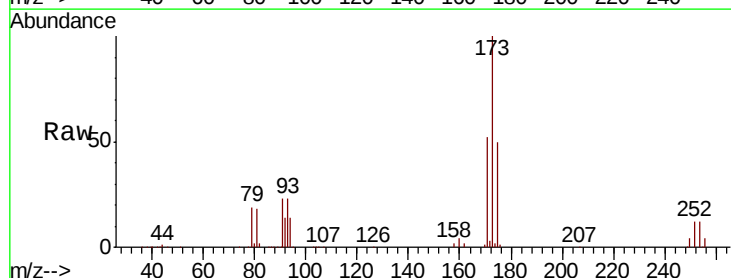
Instrument :
 MSVOA_V
 ClientSampleId :

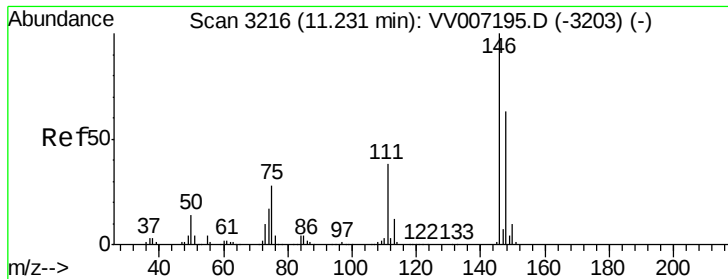
Tot Ion: 75 Resp: 337822
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0



#61
 Bromoform
 Concen: 47.527 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion: 173 Resp: 192248
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.6 58.0
 254 11.6 8.6 12.8





#62

1,3-Dichlorobenzene

Concen: 47.689 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

ClientSampleId :

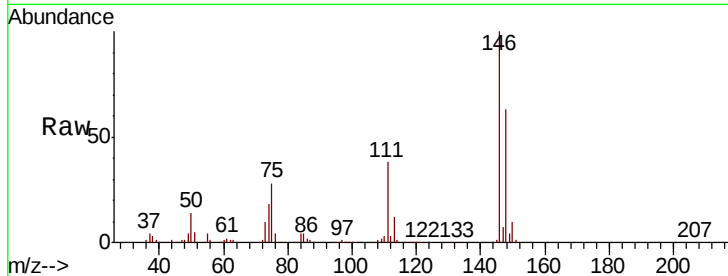
Tot Ion:146 Resp: 486601

Ion Ratio Lower Upper

146 100

111 38.1 27.1 50.3

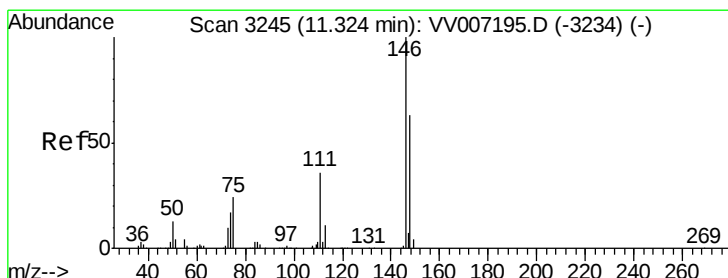
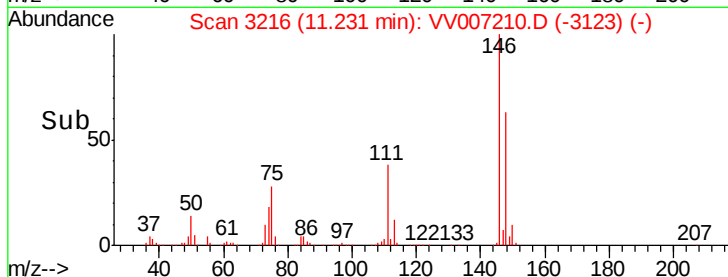
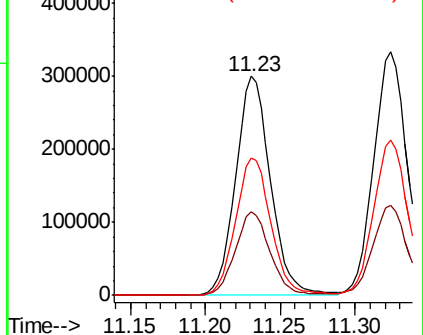
148 62.7 44.8 83.2



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: 48.729 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

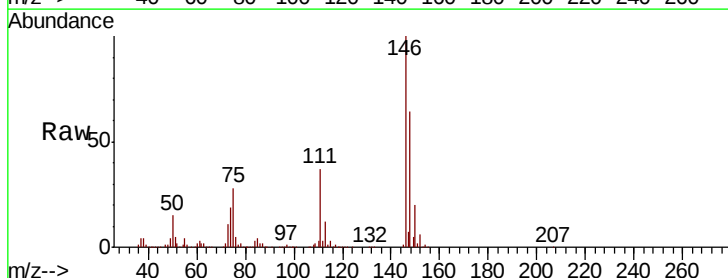
Tgt Ion:146 Resp: 534985

Ion Ratio Lower Upper

146 100

111 37.1 26.7 49.5

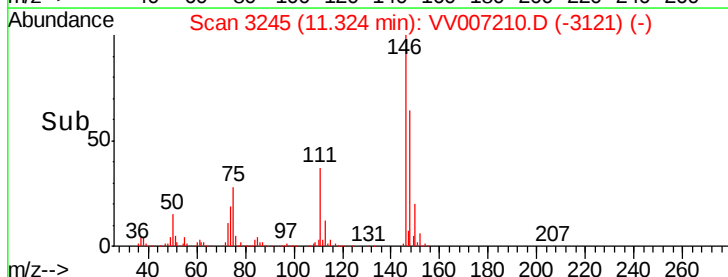
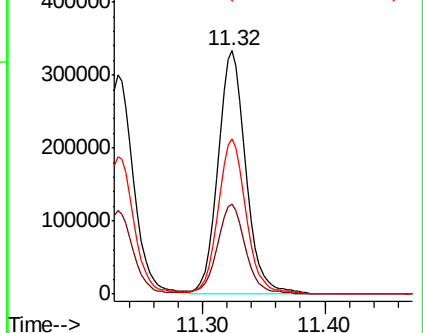
148 63.6 44.7 82.9

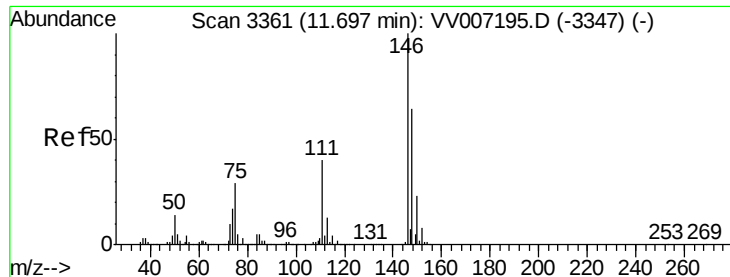


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.410 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

ClientSampleId :

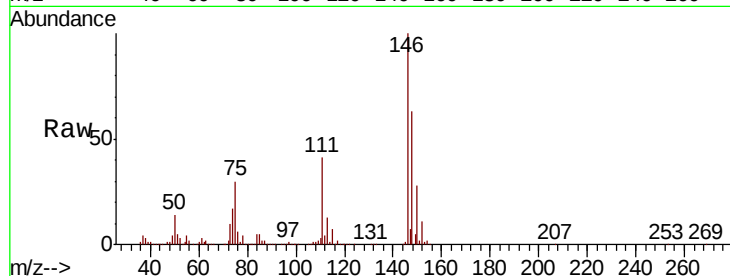
Tot Ion:146 Resp: 540837

Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.2	48.2
148	63.1	51.0	76.6

146 100

111 40.8 32.2 48.2

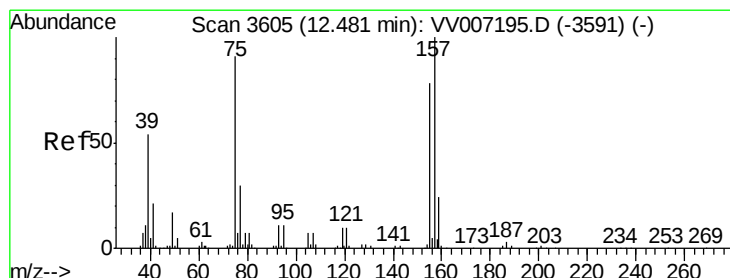
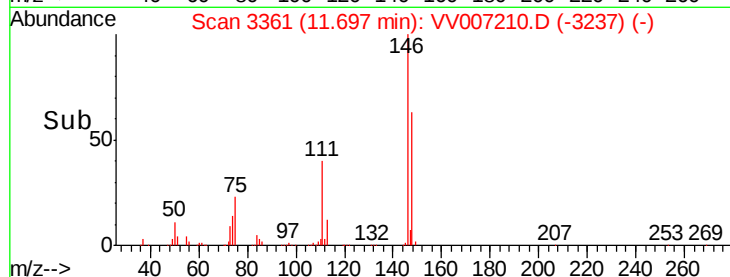
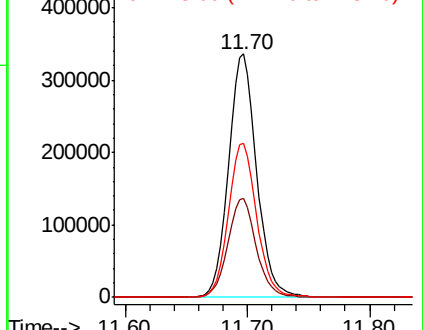
148 63.1 51.0 76.6



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: 46.093 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

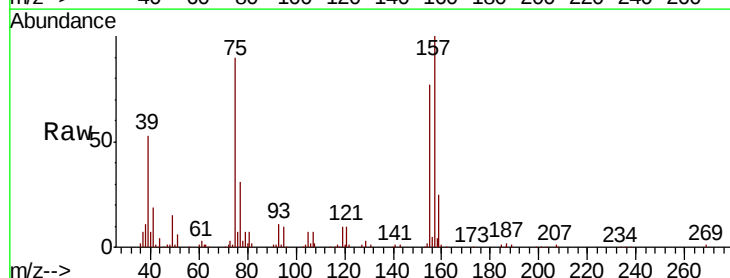
Tgt Ion: 75 Resp: 71277

Ion	Ratio	Lower	Upper
75	100		
155	85.3	70.6	106.0
157	111.5	91.8	137.8

75 100

155 85.3 70.6 106.0

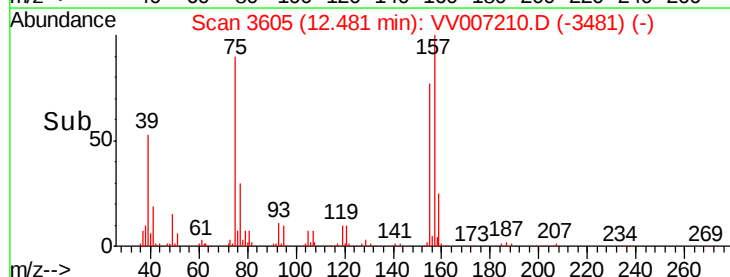
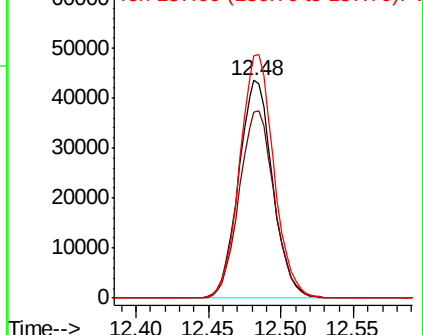
157 111.5 91.8 137.8

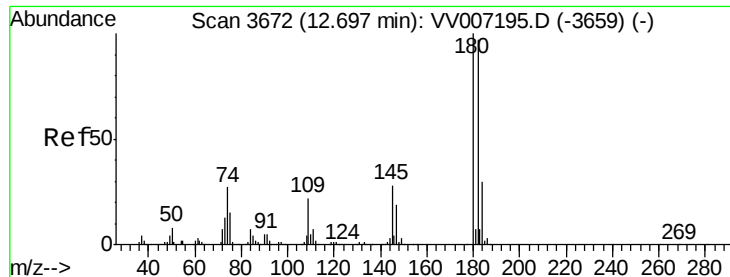


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

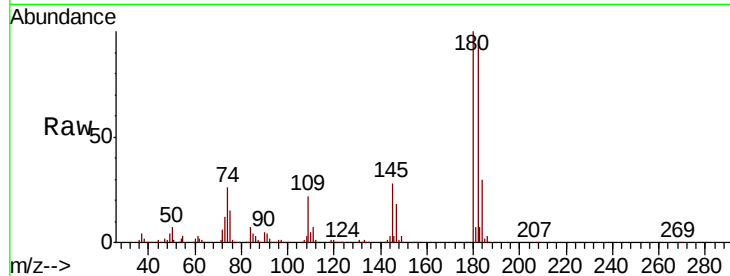




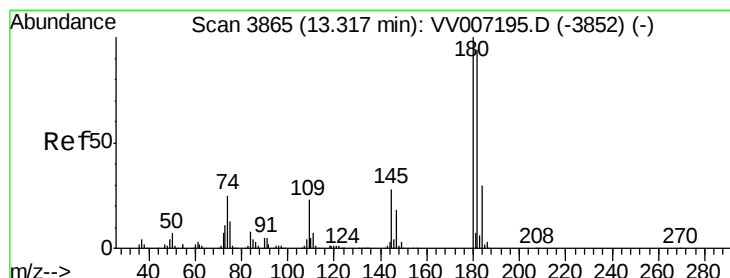
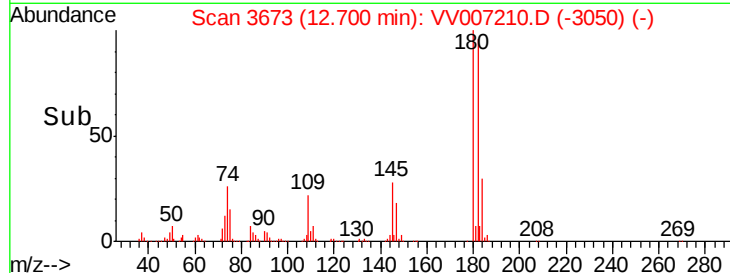
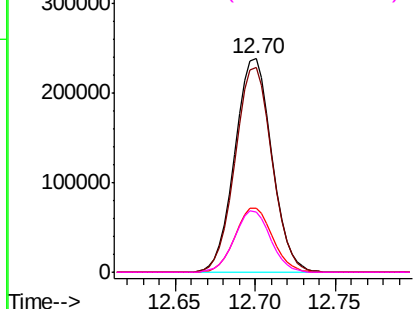
#67
 1,3,5-Trichlorobenzene
 Concen: 50.473 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	375724
Ion	Ratio	Lower Upper
180	100	
182	95.5	75.8 113.8
184	30.5	24.4 36.6
145	28.1	22.6 33.8

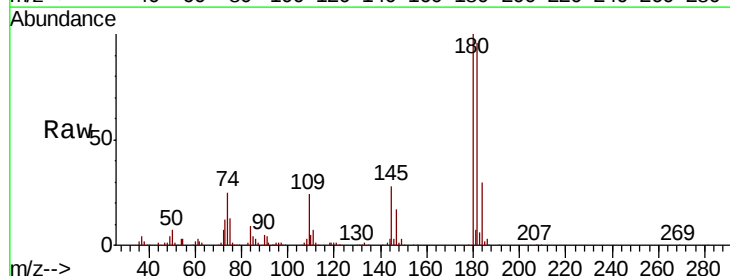


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

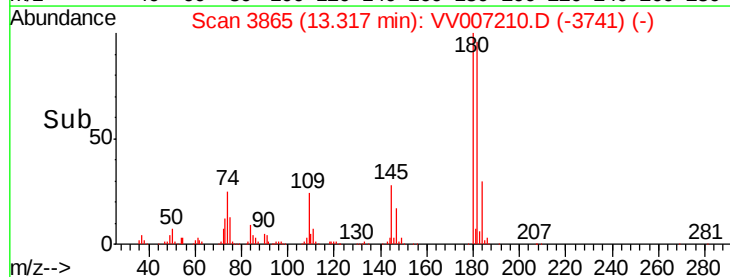
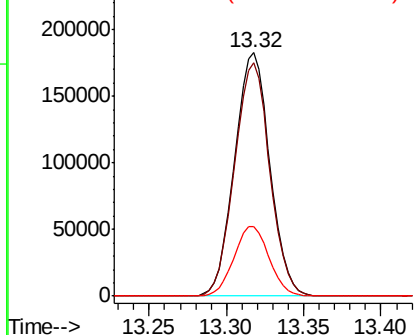


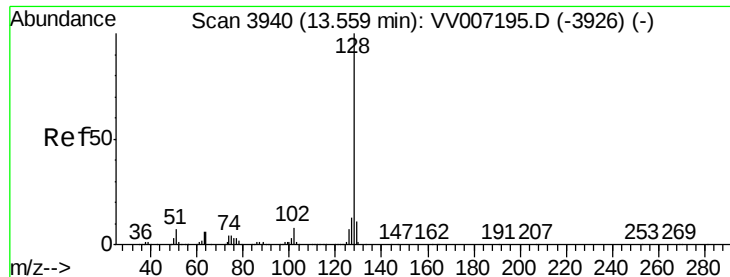
#68
 1,2,4-trichlorobenzene
 Concen: 52.117 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007210.D
 Acq: 25 Aug 2018 17:46

Tgt Ion:180	Resp:	289339
Ion	Ratio	Lower Upper
180	100	
182	95.8	77.6 116.4
145	28.6	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: 45.640 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

Instrument :

MSVOA_V

ClientSampled :

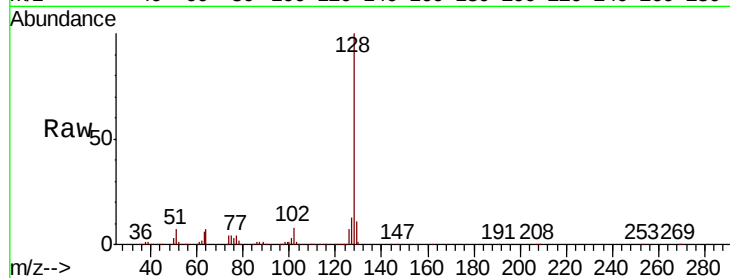
Tot Ion:128 Resp: 689307

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

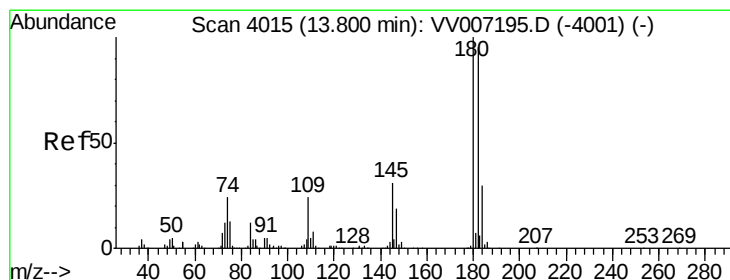
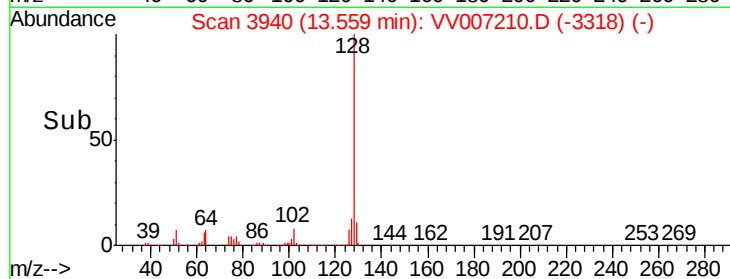
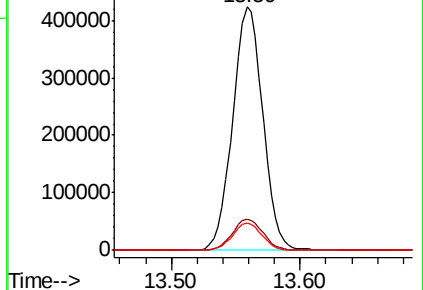
129 11.1 8.7 13.1



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: 54.569 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007210.D

Acq: 25 Aug 2018 17:46

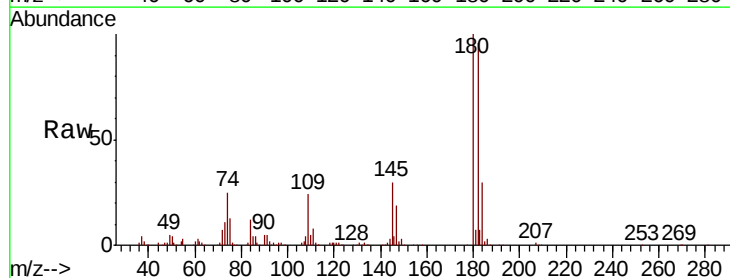
Tgt Ion:180 Resp: 325109

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

145 30.8 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

