

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007127.D
 Acq On : 22 Aug 2018 17:45
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 08:17:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 08:00:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	586777	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	551890	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	261835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	184345	49.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.98%
7) Chloroethane-d5	1.56	69	95447	40.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.50%
11) 1,1-Dichloroethene-d2	2.12	63	340624	49.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.78%
21) 2-Butanone-d5	3.96	46	317272	101.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.09%
24) Chloroform-d	4.40	84	403259	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
26) 1,2-Dichloroethane-d4	5.09	65	244634	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
32) Benzene-d6	5.10	84	818124	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
36) 1,2-Dichloropropane-d6	6.12	67	263759	51.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.96%
41) Toluene-d8	7.36	98	727781	53.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.86%
43) trans-1,3-Dichloropropene-	7.67	79	111070	51.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.26%
47) 2-Hexanone-d5	8.14	63	197009	109.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	377208	51.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	280443	53.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.54%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	251931	46.987	ug/L	99
3) Chloromethane	1.25	50	298484	43.970	ug/L	98
5) Vinyl chloride	1.32	62	265899	47.715	ug/L	99
6) Bromomethane	1.52	94	66304	50.029	ug/L	99
8) Chloroethane	1.58	64	136397	45.022	ug/L	100
9) Trichlorofluoromethane	1.76	101	329811	49.213	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	198418	48.517	ug/L	100
12) 1,1-Dichloroethene	2.13	96	190981	48.893	ug/L	97
13) Acetone	2.20	43	219879	89.311	ug/L	100
14) Carbon disulfide	2.31	76	572384	48.036	ug/L	100
15) Methyl Acetate	2.47	43	213639	47.763	ug/L	99
16) Methylene chloride	2.54	84	214683	47.817	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	204256	48.221	ug/L	97
18) Methyl tert-butyl Ether	2.81	73	629060	48.390	ug/L	100
19) 1,1-Dichloroethane	3.23	63	429584	49.275	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	239330	48.616	ug/L	100
22) 2-Butanone	4.04	43	372065	95.657	ug/L	98

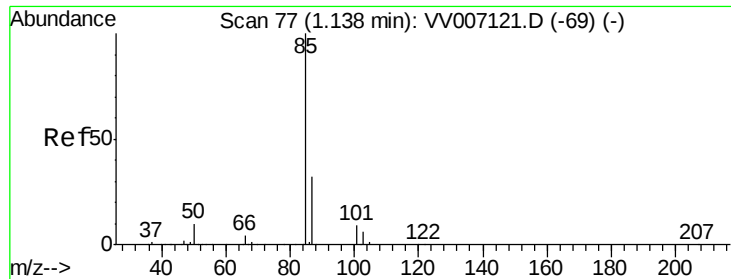
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 08:00:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	123404	48.753	ug/L	95
25) Chloroform	4.43	83	420807	49.228	ug/L	100
27) 1,2-Dichloroethane	5.19	62	313878	48.401	ug/L	100
29) Cyclohexane	4.72	56	353188	50.905	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	350427	50.110	ug/L	99
31) Carbon tetrachloride	4.88	117	295582	50.186	ug/L	100
33) Benzene	5.15	78	968556	51.231	ug/L	100
34) Trichloroethene	5.96	95	220507	49.212	ug/L	99
35) Methylcyclohexane	6.18	83	368882	51.741	ug/L	98
37) 1,2-Dichloropropane	6.23	63	259363	51.708	ug/L	99
38) Bromodichloromethane	6.56	83	301126	49.872	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	346442	51.117	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	615551	100.518	ug/L	100
42) Toluene	7.44	91	951474	52.204	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	318371	50.414	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	232308	49.324	ug/L	99
46) Tetrachloroethene	8.02	164	181959	49.815	ug/L	98
48) 2-Hexanone	8.20	43	515005	103.824	ug/L	99
49) Dibromochloromethane	8.30	129	234119	49.657	ug/L	99
50) 1,2-Dibromoethane	8.40	107	227289	48.917	ug/L	99
51) Chlorobenzene	8.93	112	592309	49.058	ug/L	100
52) Ethylbenzene	9.06	91	938224	50.792	ug/L	99
53) m,p-Xylene	9.19	106	365232	51.743	ug/L	98
54) o-xylene	9.59	106	352400	51.316	ug/L	100
55) Styrene	9.61	104	633664	53.436	ug/L	99
56) Isopropylbenzene	9.98	105	896932	51.796	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.30	83	403950	49.426	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	319757	49.055	ug/L	98
61) Bromoform	9.78	173	170458	47.975	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	417829	49.142	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	441501	49.043	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	480330	51.398	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	66406	50.067	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	302295	52.233	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	215170	54.777	ug/L	99
69) Naphthalene	13.56	128	555669	51.900	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	244482	56.889	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 46.987 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

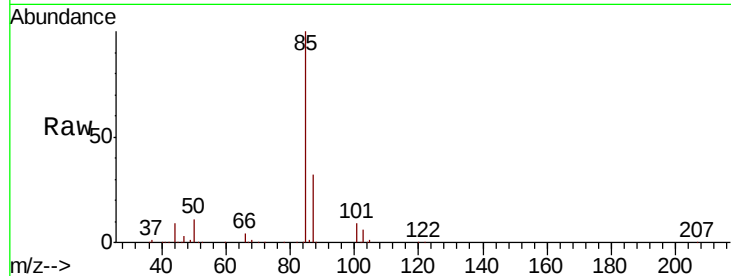
ClientSampleId :

Tot Ion: 85 Resp: 251931

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007127.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007127.D (-1) (-)

1.14

250000

200000

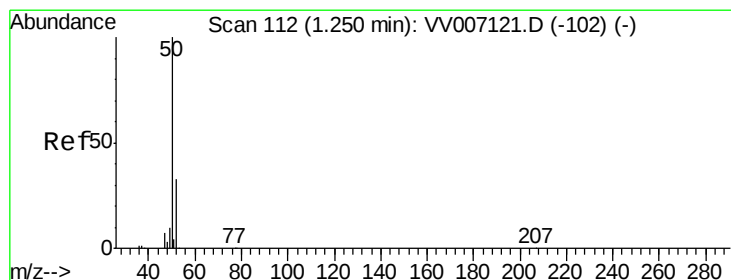
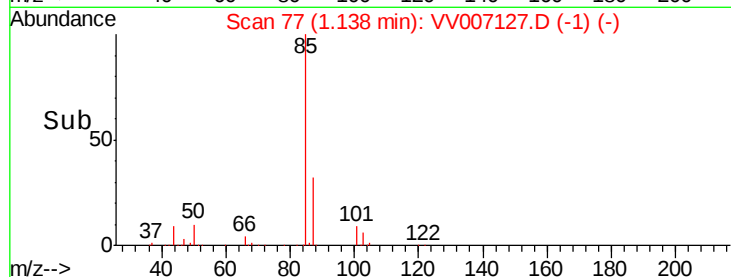
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 43.970 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007127.D

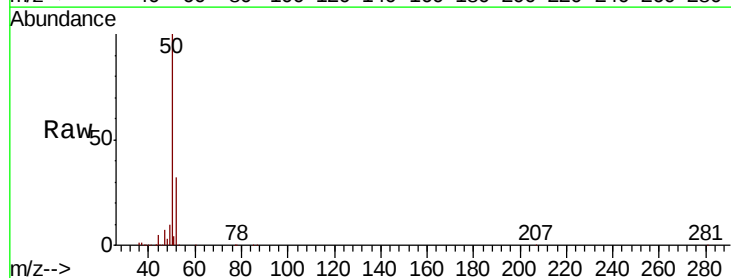
Acq: 22 Aug 2018 17:45

Tgt Ion: 50 Resp: 298484

Ion Ratio Lower Upper

50 100

52 31.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007127.D (-19) (-)

Ion 52.00 (51.70 to 52.70): VV007127.D (-19) (-)

1.25

300000

250000

200000

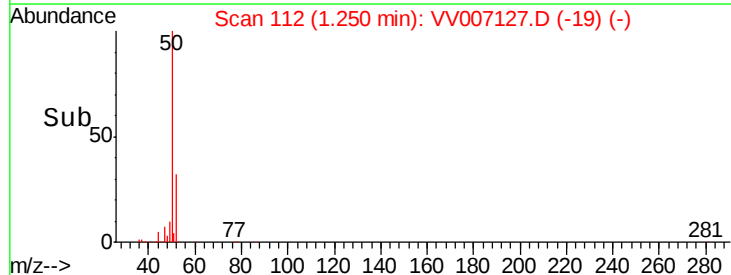
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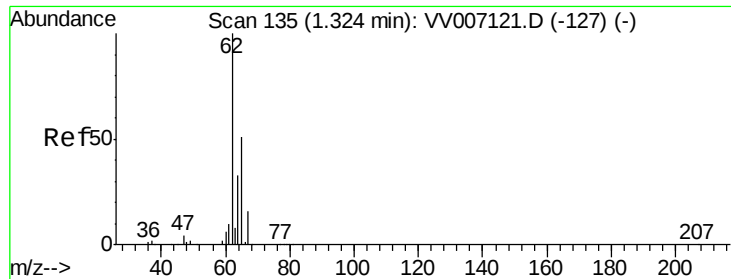
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.715 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

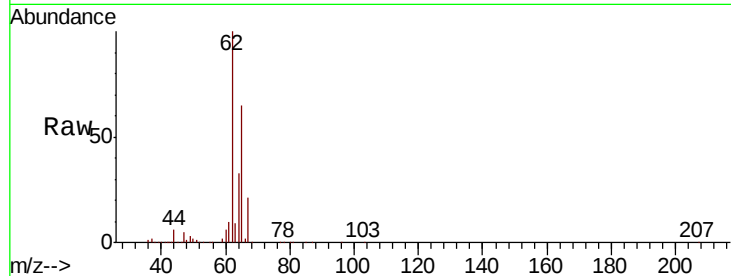
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 265899

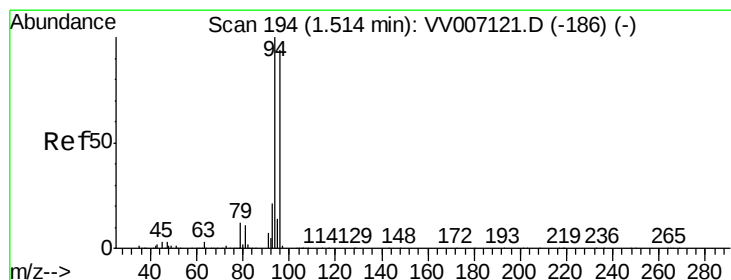
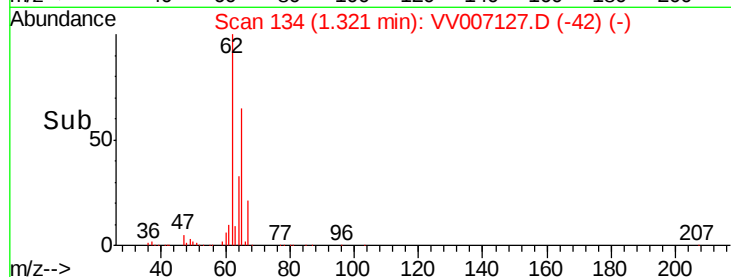
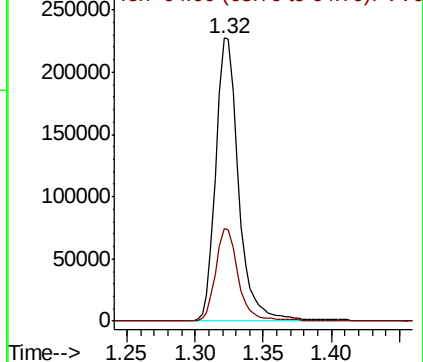
Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.029 ug/L

RT: 1.52 min Scan# 195

Delta R.T. 0.00 min

Lab File: VV007127.D

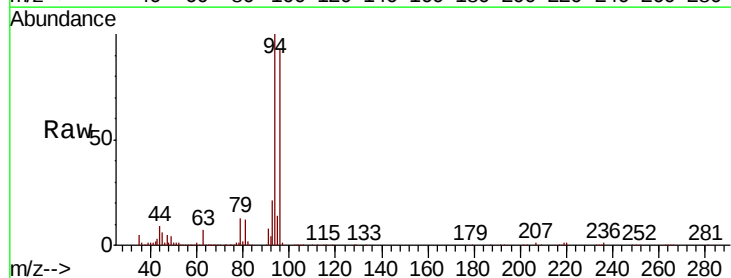
Acq: 22 Aug 2018 17:45

Tgt Ion: 94 Resp: 66304

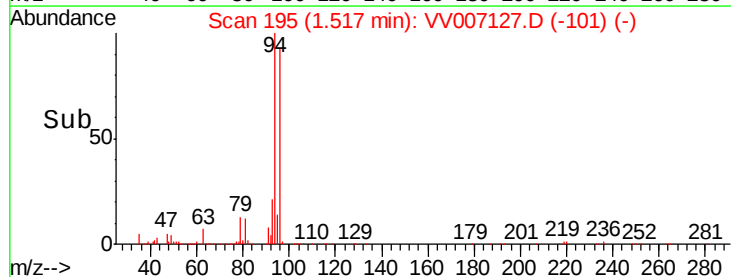
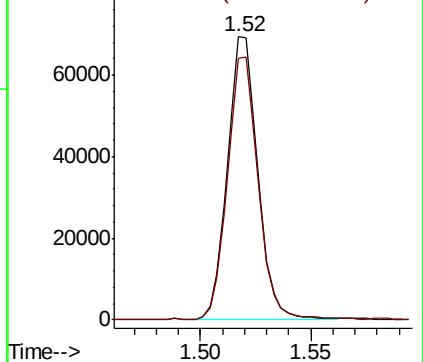
Ion Ratio Lower Upper

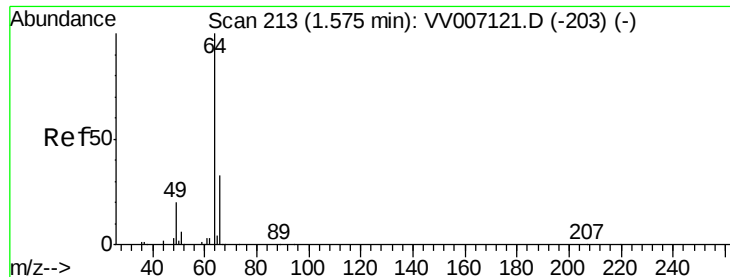
94 100

96 92.6 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 45.022 ug/L

RT: 1.58 min Scan# 214

Delta R.T. 0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

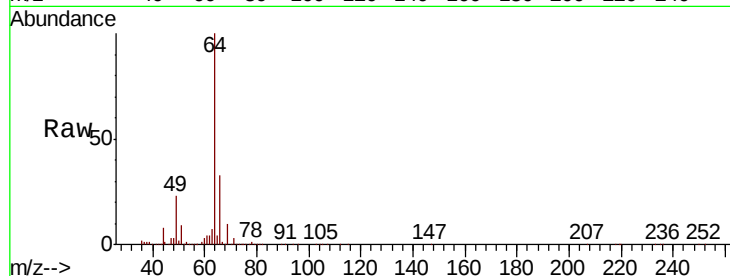
ClientSampleId :

Tot Ion: 64 Resp: 136397

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV007127.D (-89) (-)

Ion 66.00 (65.70 to 66.70): VV007127.D (-89) (-)

1.58

120000

100000

80000

60000

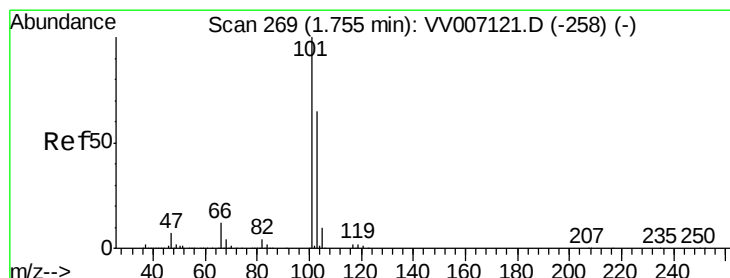
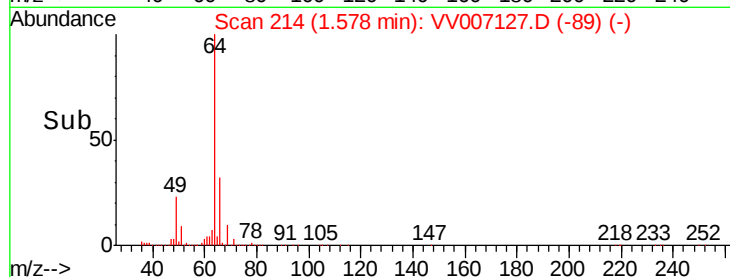
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.213 ug/L

RT: 1.76 min Scan# 269

Delta R.T. -0.00 min

Lab File: VV007127.D

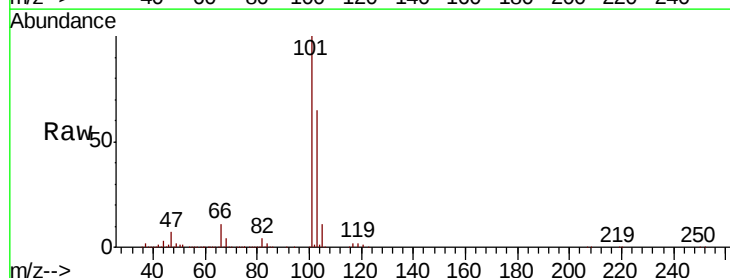
Acq: 22 Aug 2018 17:45

Tgt Ion:101 Resp: 329811

Ion Ratio Lower Upper

101 100

103 64.4 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV007127.D (-145) (-)

Ion 103.00 (102.70 to 103.70): VV007127.D (-145) (-)

1.76

300000

250000

200000

150000

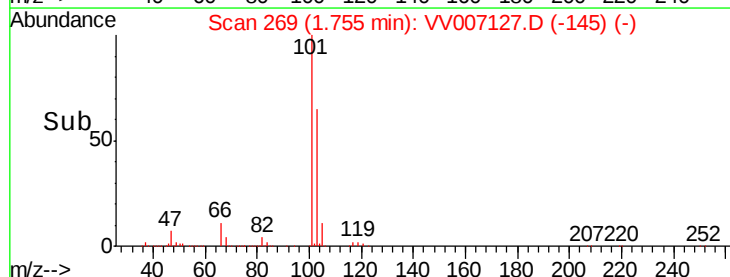
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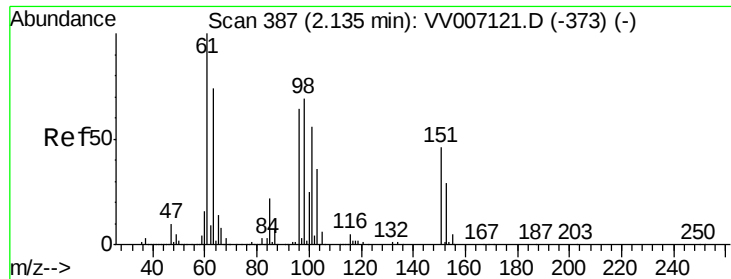
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 48.517 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

ClientSampleId :

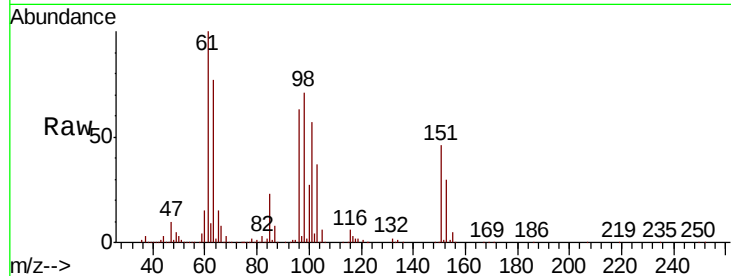
Tot Ion:101 Resp: 198418

Ion Ratio Lower Upper

101 100

85 40.9 32.5 48.7

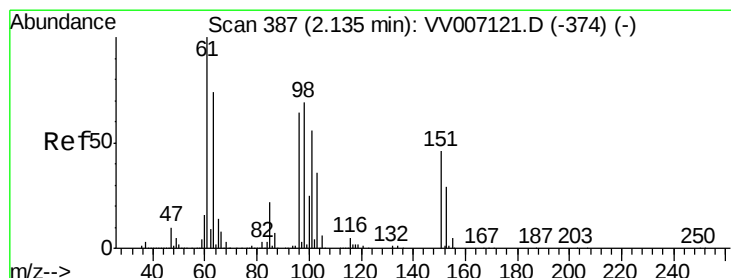
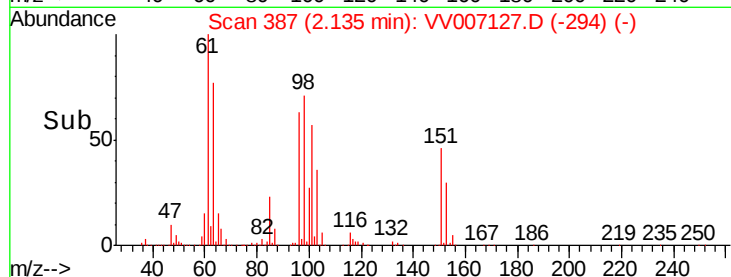
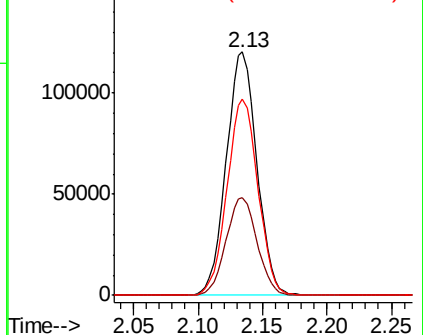
151 81.1 65.2 97.8



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: 48.893 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

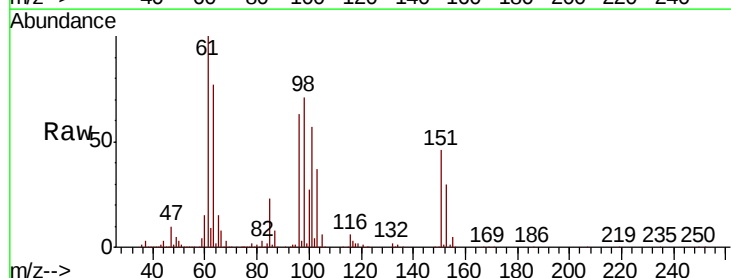
Tgt Ion: 96 Resp: 190981

Ion Ratio Lower Upper

96 100

61 159.5 110.0 204.2

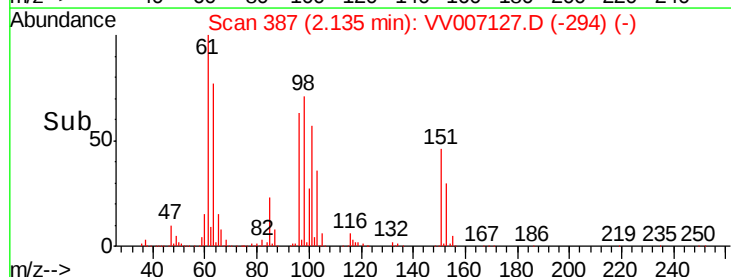
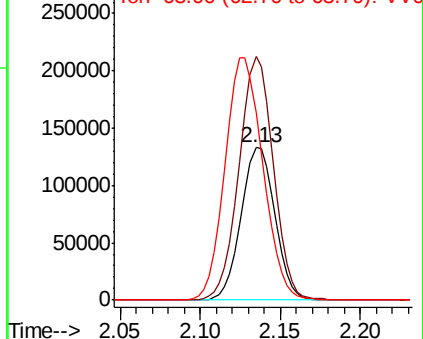
63 122.5 81.8 152.0

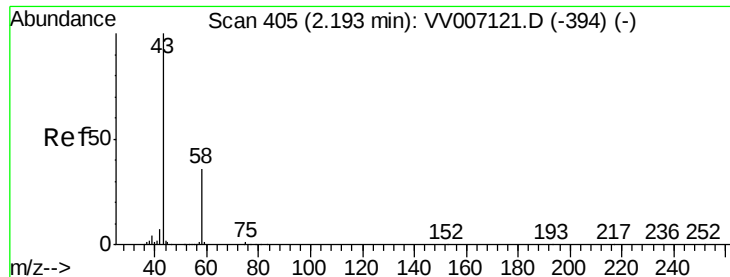


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 89.311 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

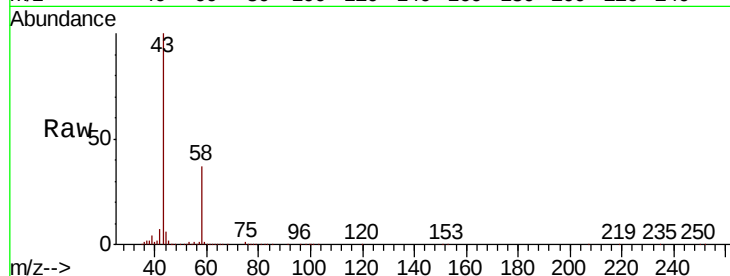
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 219879

Ion Ratio Lower Upper

43 100

58 36.8 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007127.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VV007127.D (-394) (-)

150000

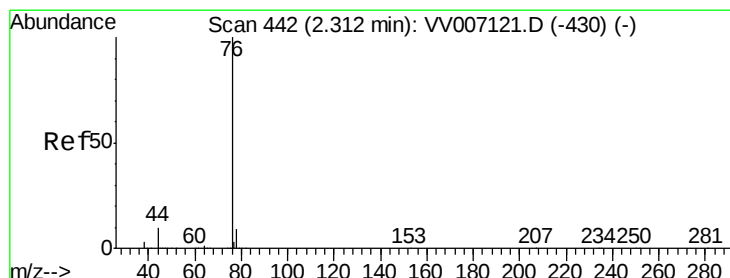
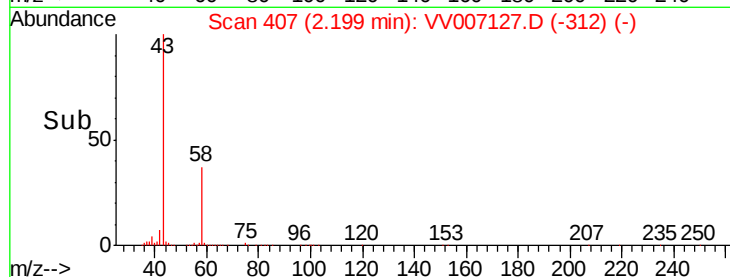
100000

50000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 48.036 ug/L

RT: 2.31 min Scan# 443

Delta R.T. 0.00 min

Lab File: VV007127.D

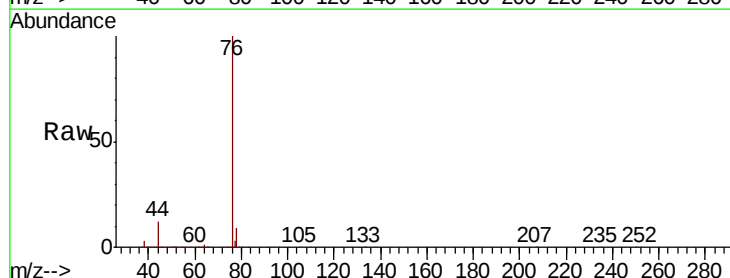
Acq: 22 Aug 2018 17:45

Tgt Ion: 76 Resp: 572384

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV007127.D (-349) (-)

Ion 78.00 (77.70 to 78.70): VV007127.D (-349) (-)

400000

300000

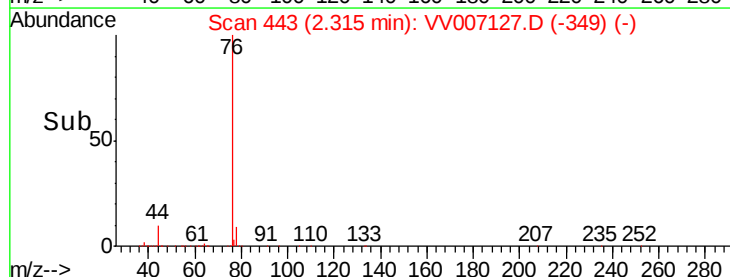
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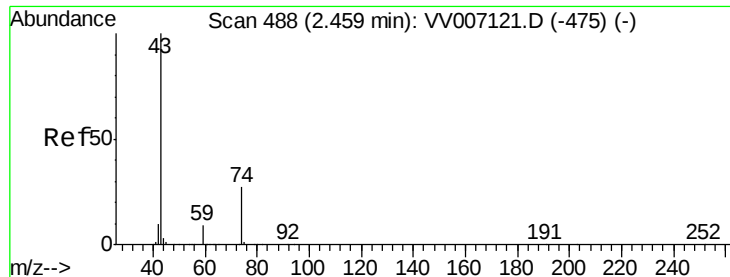
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2.25 2.30 2.35 2.40

Time-->

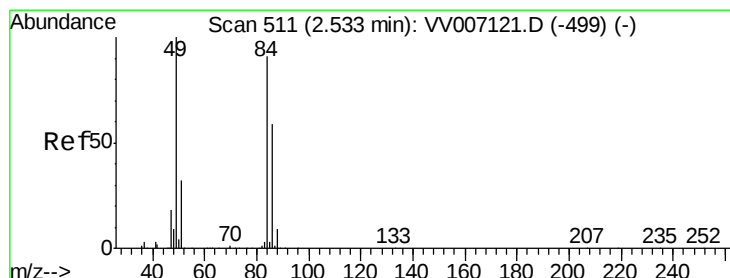
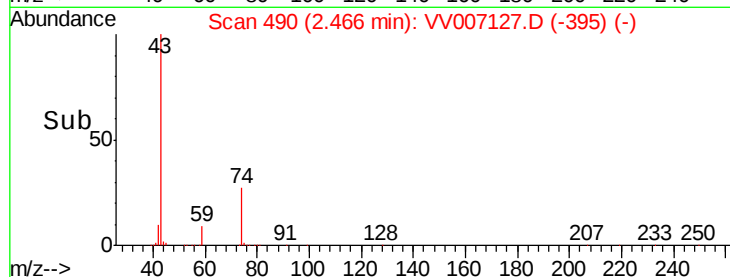
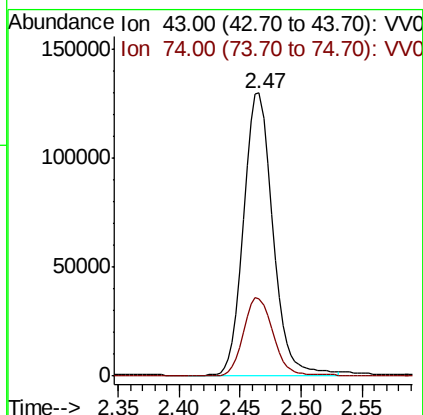
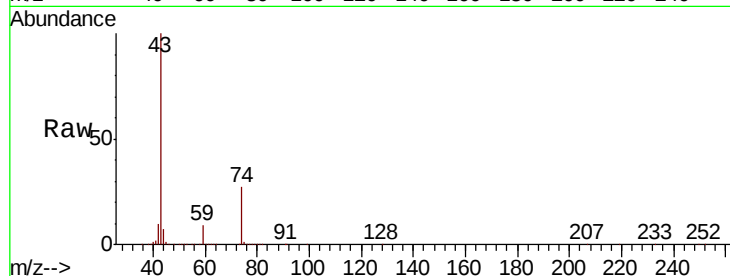




#15
Methvl Acetate
Concen: 47.763 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.01 min
Lab File: VV007127.D
Acq: 22 Aug 2018 17:45

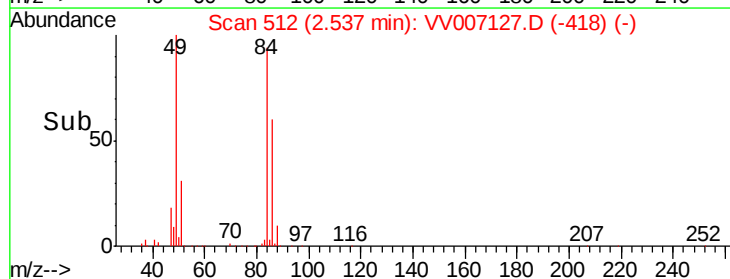
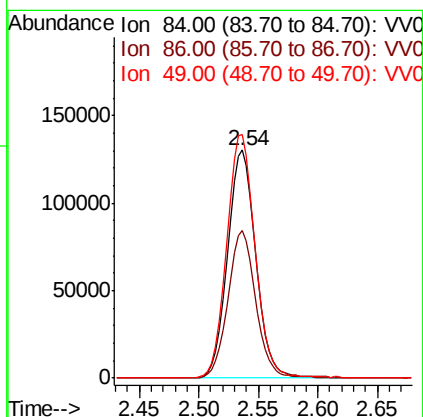
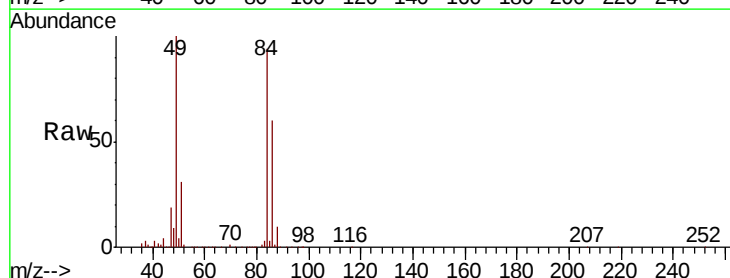
Instrument :
MSVOA_V
ClientSampled :

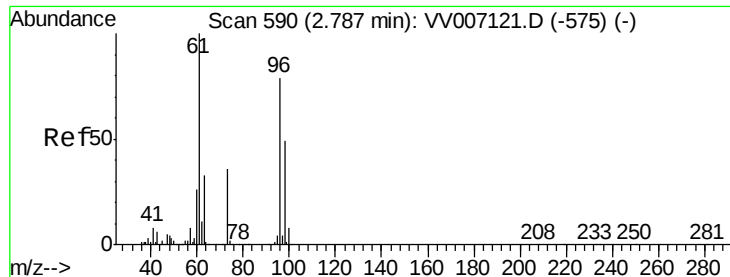
Tot Ion: 43 Resp: 213639
Ion Ratio Lower Upper
43 100
74 28.1 22.2 33.2



#16
Methylene chloride
Concen: 47.817 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007127.D
Acq: 22 Aug 2018 17:45

Tgt Ion: 84 Resp: 214683
Ion Ratio Lower Upper
84 100
86 64.6 45.4 84.4
49 107.0 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 48.221 ug/L

RT: 2.79 min Scan# 590

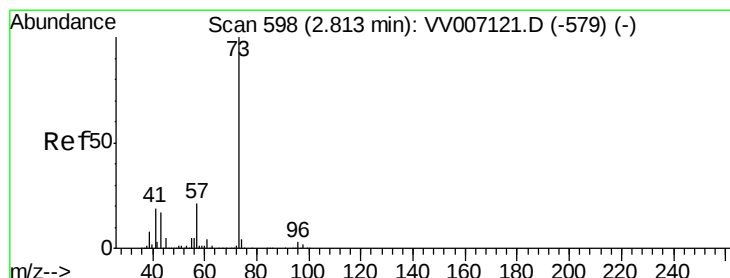
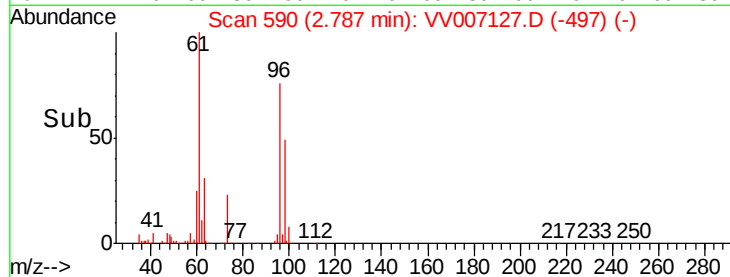
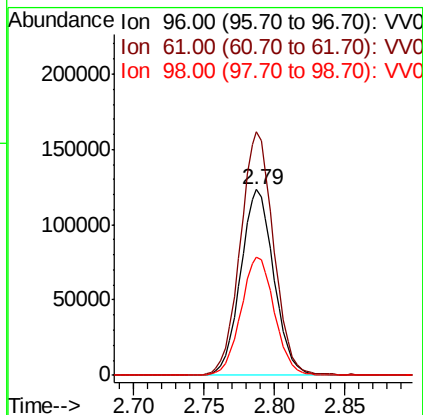
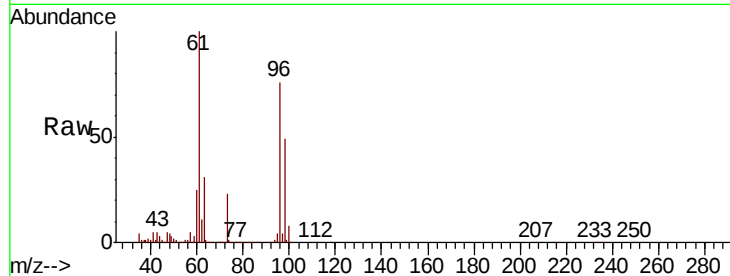
Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	204256
Ion	Ratio	Lower	Upper
96	100		
61	131.3	89.1	165.5
98	64.0	43.6	81.0



#18

Methyl tert-butyl Ether

Concen: 48.390 ug/L

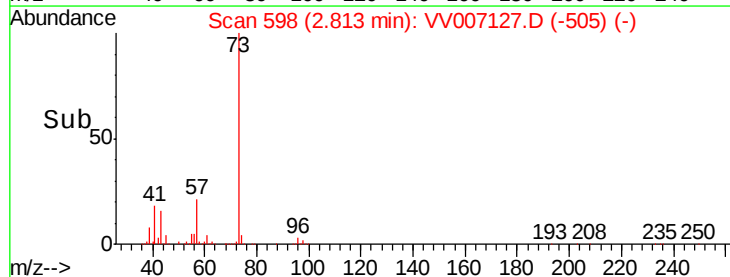
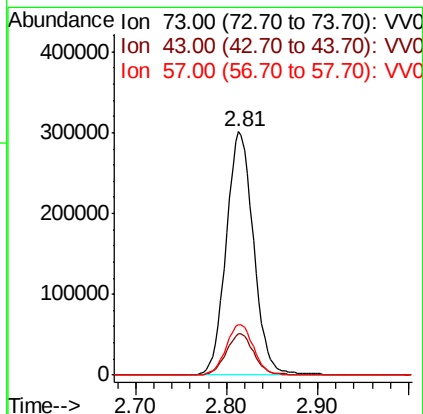
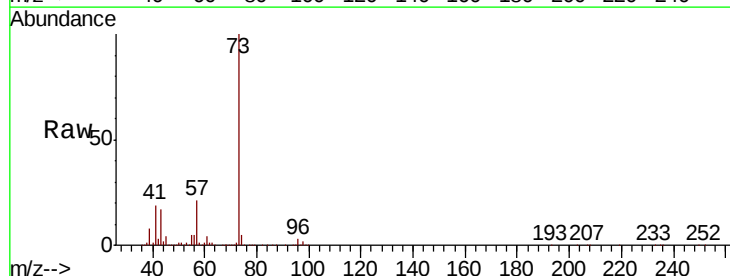
RT: 2.81 min Scan# 598

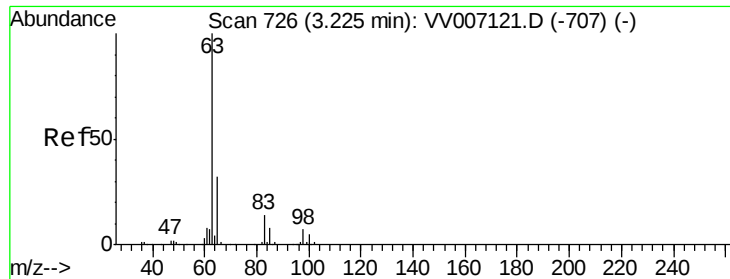
Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Tgt Ion:	73	Resp:	629060
Ion	Ratio	Lower	Upper
73	100		
43	17.1	13.6	20.4
57	21.0	16.6	25.0

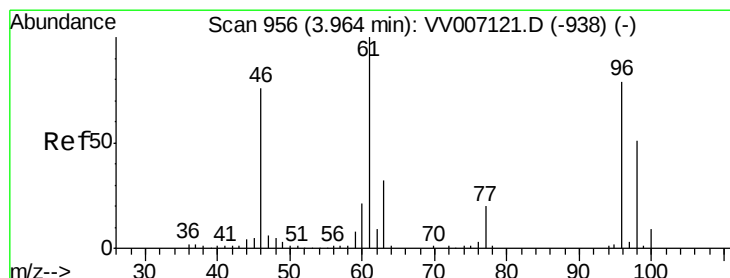
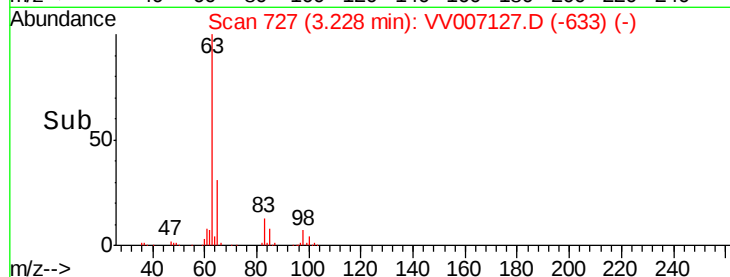
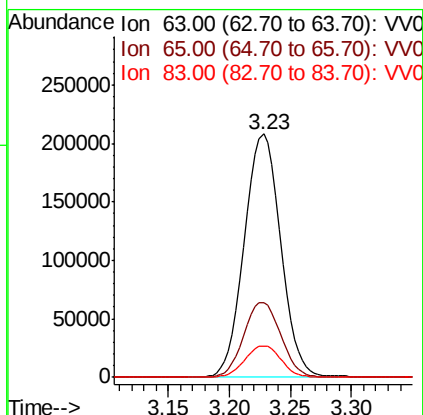
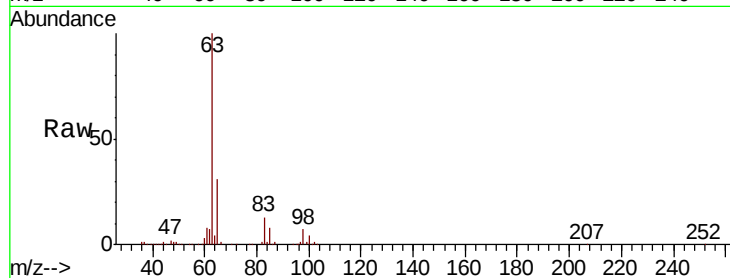




#19
 1,1-Dichloroethane
 Concen: 49.275 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

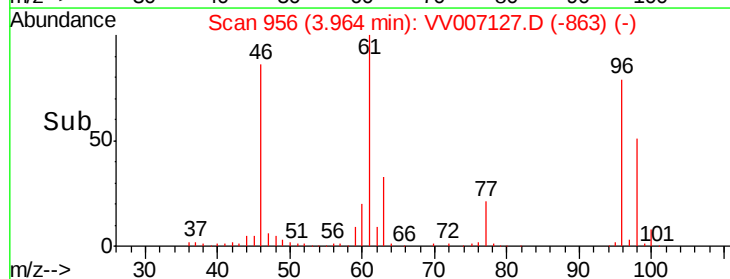
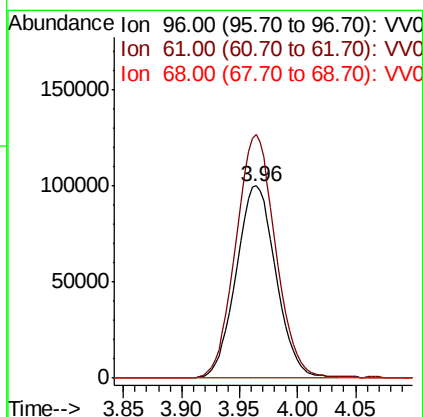
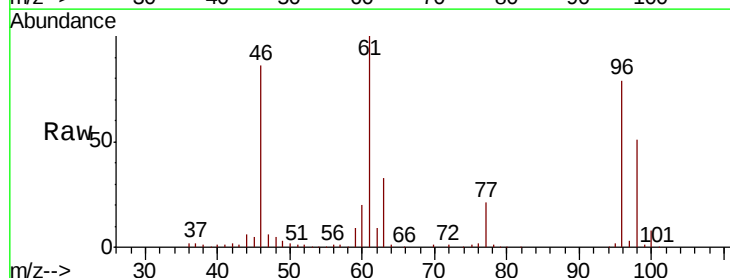
Instrument :
 MSVOA_V
 ClientSampled :

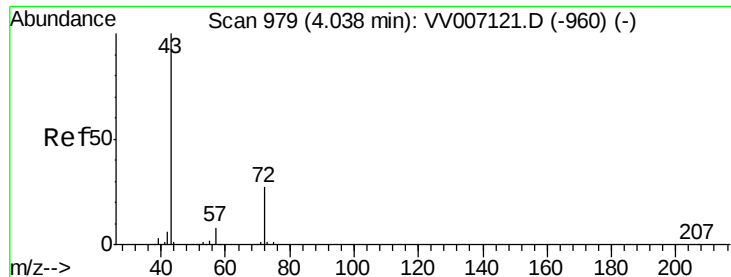
Tot Ion: 63 Resp: 429584
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.7 42.3
 83 12.9 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.616 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion: 96 Resp: 239330
 Ion Ratio Lower Upper
 96 100
 61 126.7 89.0 165.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.657 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.01 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

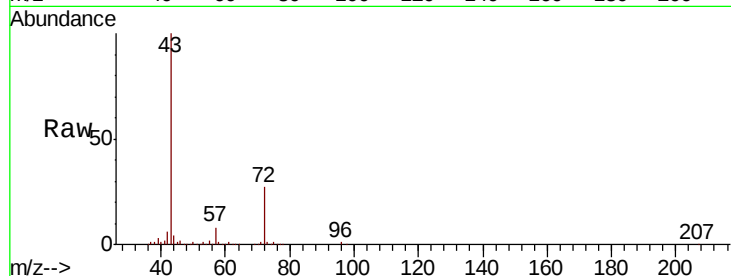
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 372065

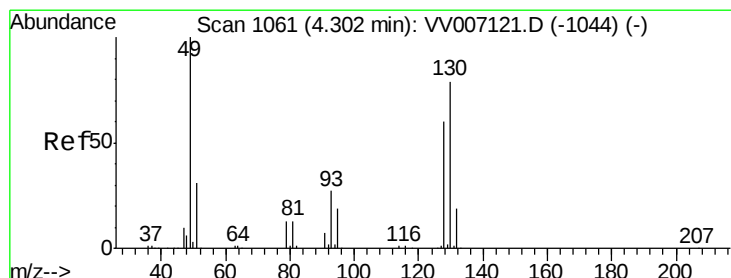
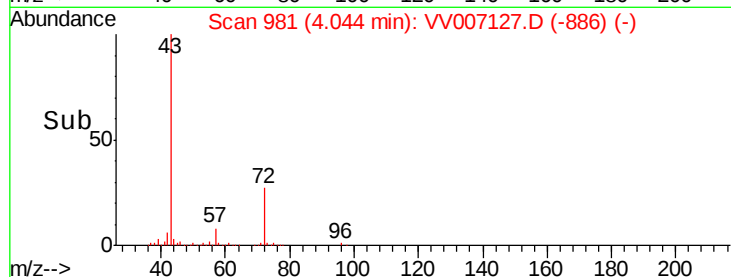
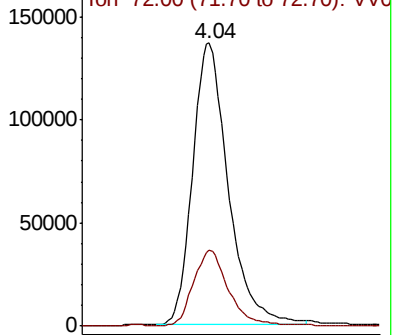
Ion Ratio Lower Upper

43 100

72 26.1 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007127.D (-981) (-)



#23

Bromochloromethane

Concen: 48.753 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Tgt Ion:128 Resp: 123404

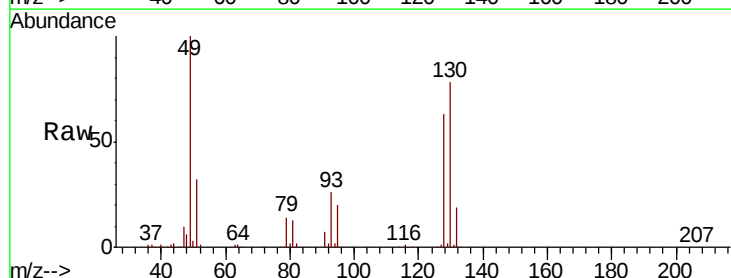
Ion Ratio Lower Upper

128 100

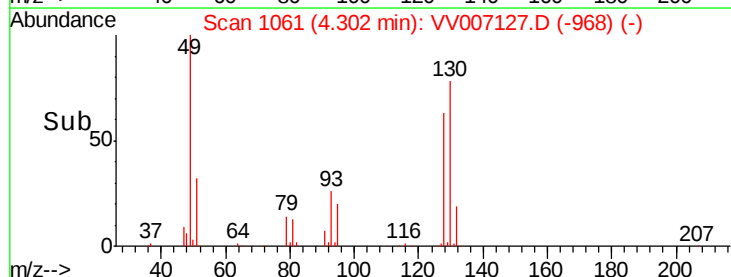
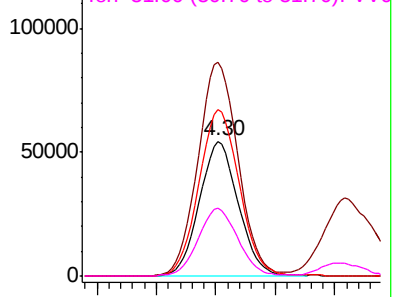
49 158.4 116.4 216.2

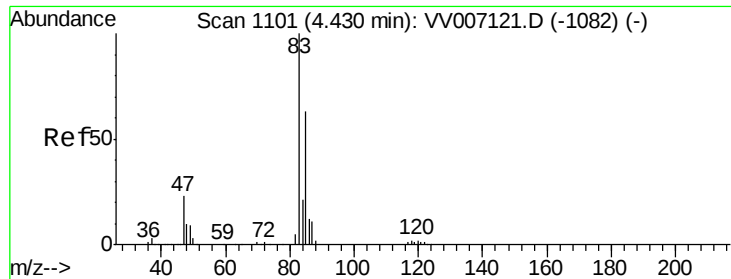
130 123.8 91.6 170.2

51 50.4 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): VV007127.D (-1061) (-)





#25

Chloroform

Concen: 49.228 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

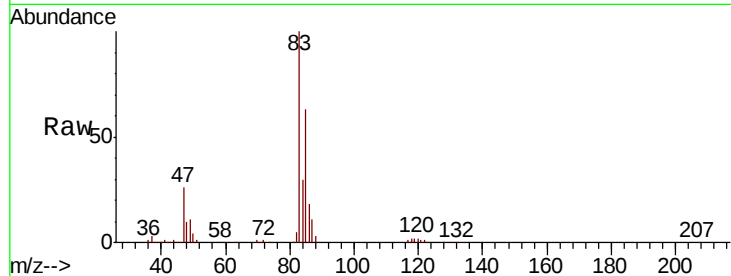
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 420807

Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VV007127.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV007127.D (-1082) (-)

4.43

150000

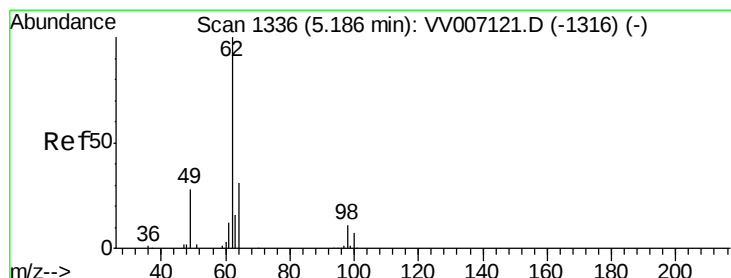
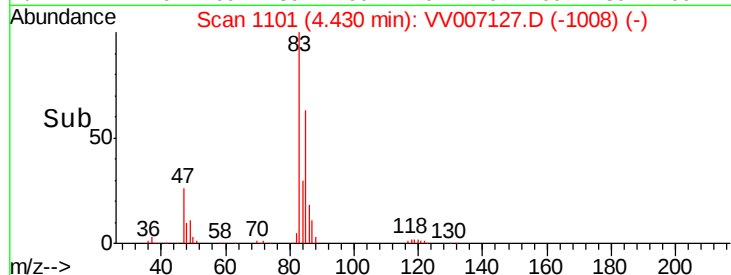
100000

50000

0

4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 48.401 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007127.D

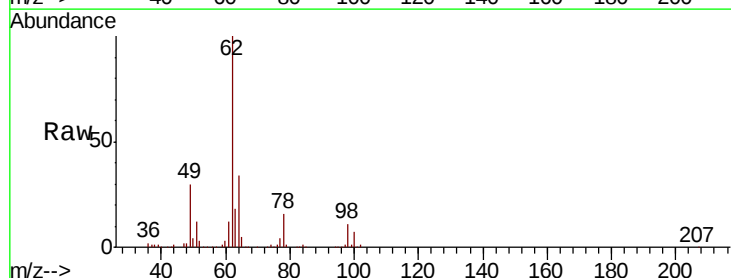
Acq: 22 Aug 2018 17:45

Tgt Ion: 62 Resp: 313878

Ion Ratio Lower Upper

62 100

98 10.8 8.7 13.1



Abundance Ion 62.00 (61.70 to 62.70): VV007127.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VV007127.D (-1243) (-)

5.19

150000

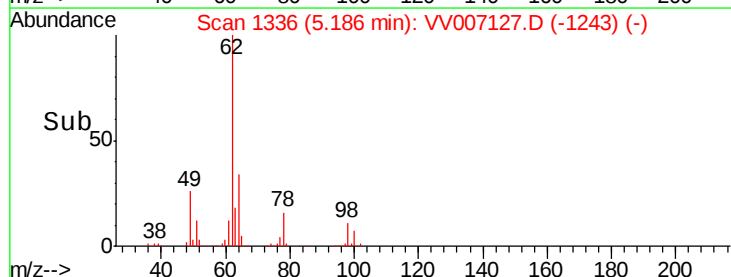
100000

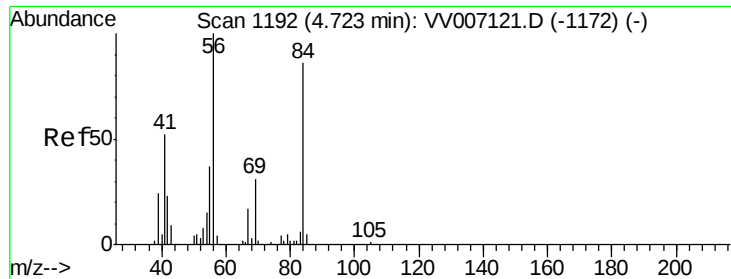
50000

0

5.10 5.15 5.20 5.25 5.30

Time-->

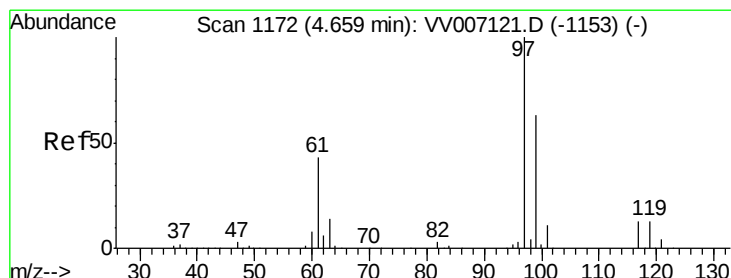
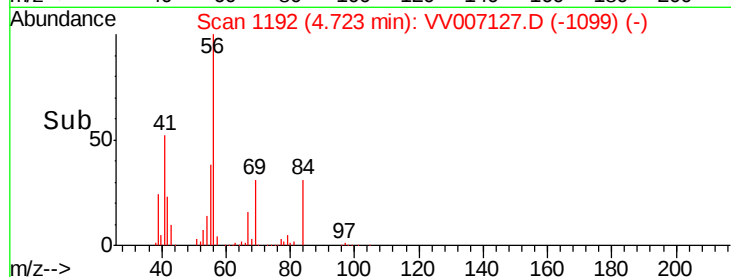
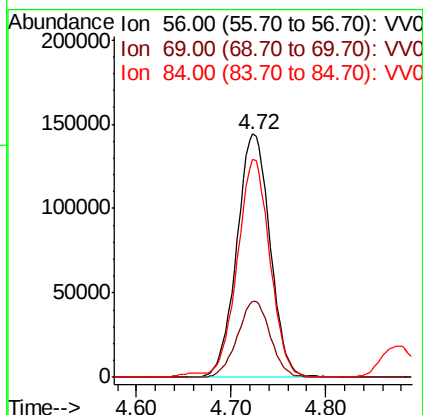
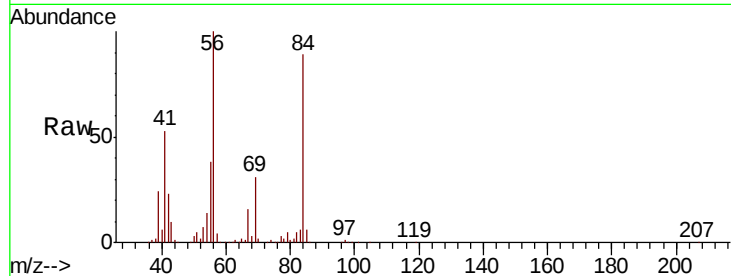




#29
Cvclohexane
Concen: 50.905 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VV007127.D
Acq: 22 Aug 2018 17:45

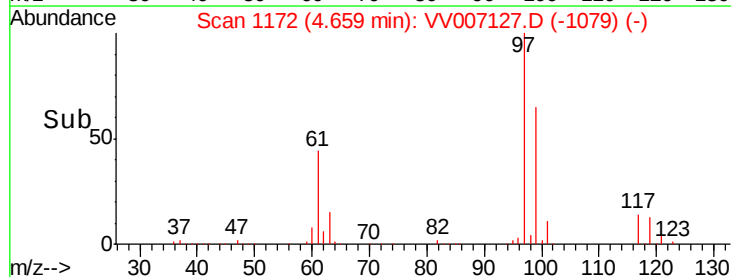
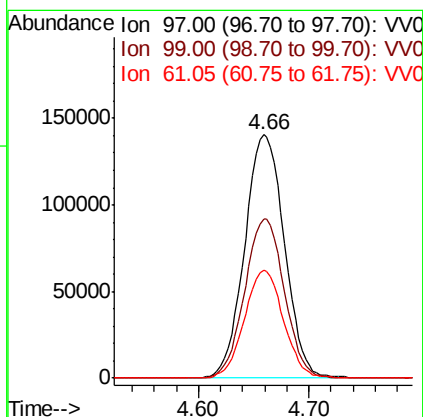
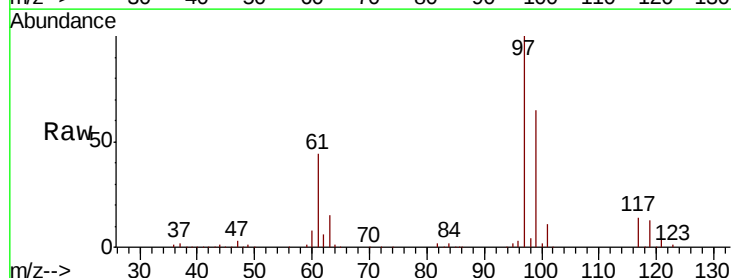
Instrument :
MSVOA_V
ClientSampleId :

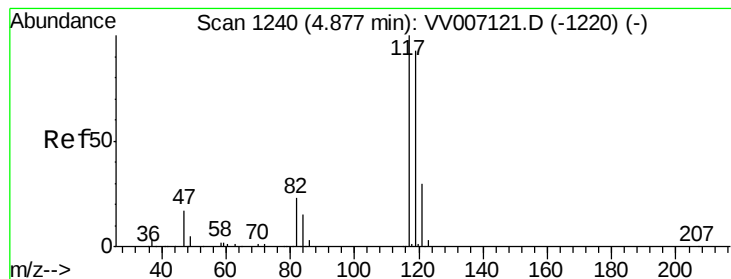
Tot Ion: 56 Resp: 353188
Ion Ratio Lower Upper
56 100
69 30.9 24.5 36.7
84 87.4 69.0 103.6



#30
1,1,1-Trichloroethane
Concen: 50.110 ug/L
RT: 4.66 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VV007127.D
Acq: 22 Aug 2018 17:45

Tgt Ion: 97 Resp: 350427
Ion Ratio Lower Upper
97 100
99 65.2 51.3 76.9
61 43.7 34.8 52.2





#31

Carbon tetrachloride

Concen: 50.186 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

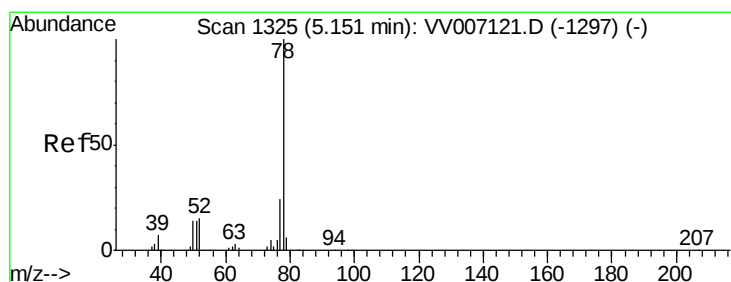
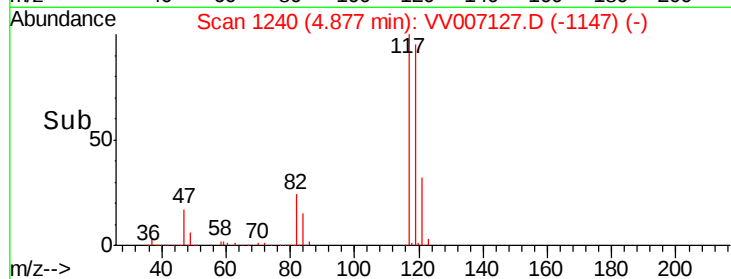
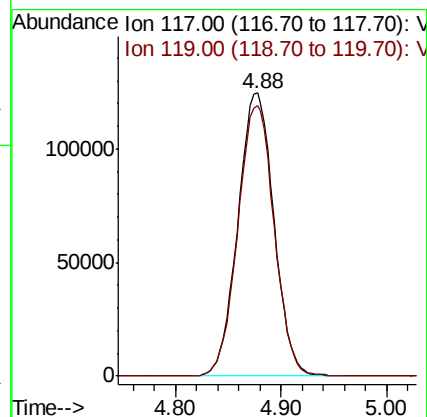
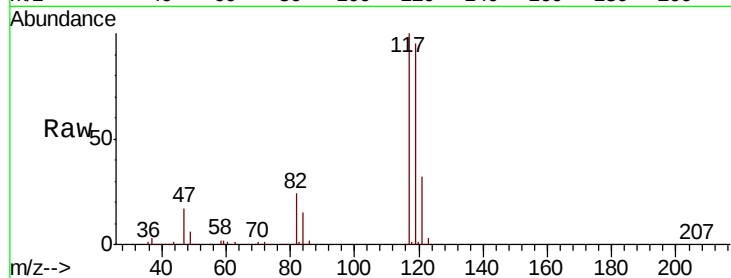
ClientSampled :

Tot Ion:117 Resp: 295582

Ion Ratio Lower Upper

117 100

119 96.6 77.4 116.2



#33

Benzene

Concen: 51.231 ug/L

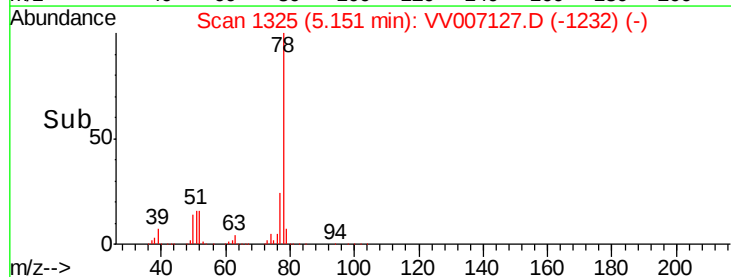
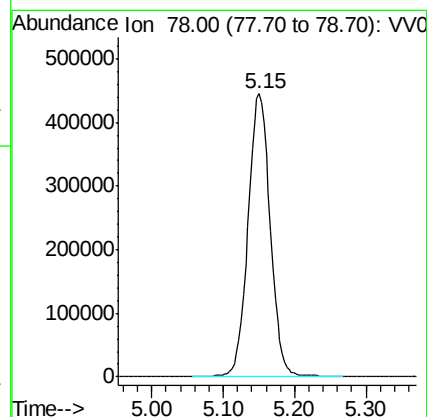
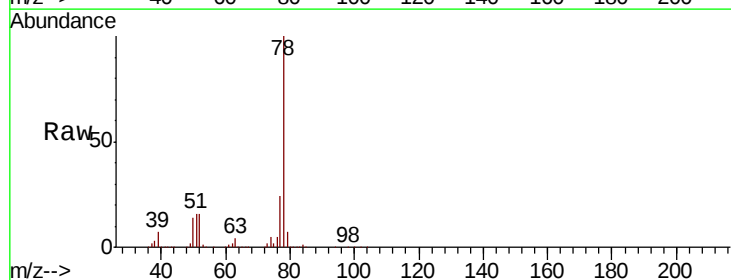
RT: 5.15 min Scan# 1325

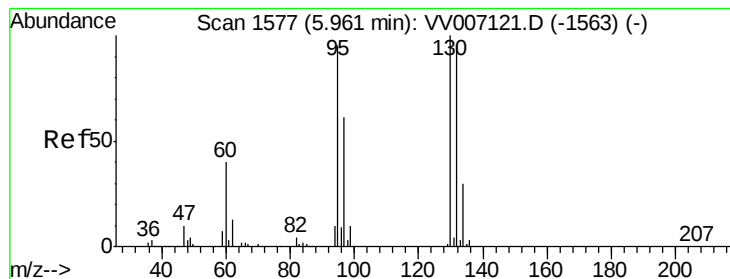
Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Tgt Ion: 78 Resp: 968556





#34

Trichloroethene

Concen: 49.212 ug/L

RT: 5.96 min Scan# 1577

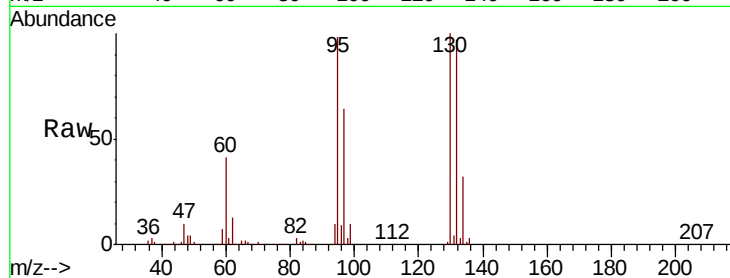
Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	95	Resp:	220507
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.1	83.9
132	99.0	69.7	129.4
130	102.5	73.6	136.6

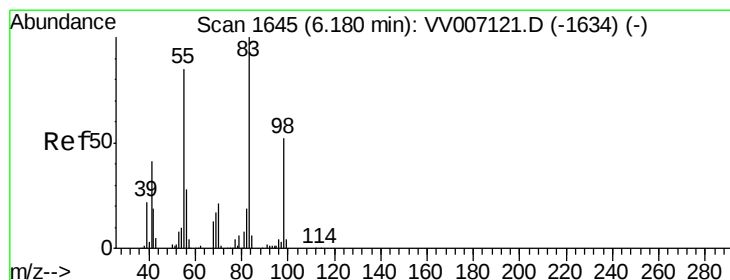
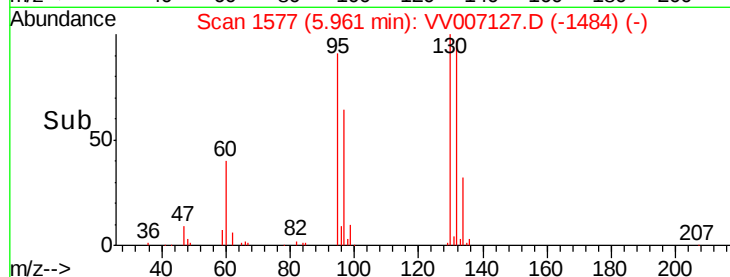
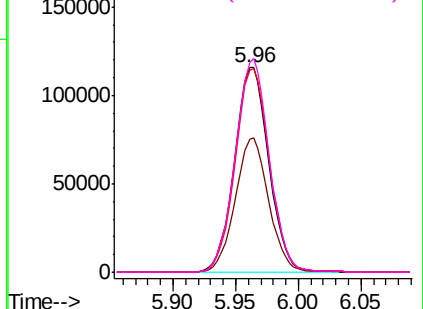


Abundance Ion 95.00 (94.70 to 95.70): VV007127.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VV007127.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VV007127.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VV007127.D (-1563) (-)



#35

Methylcyclohexane

Concen: 51.741 ug/L

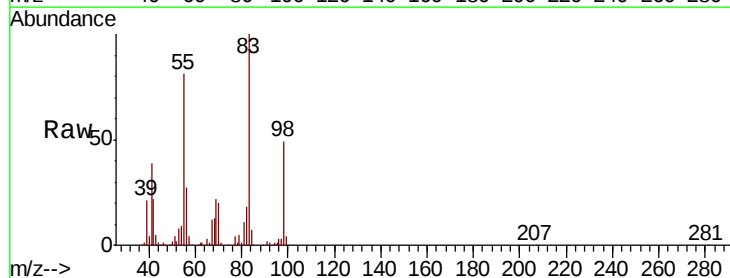
RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

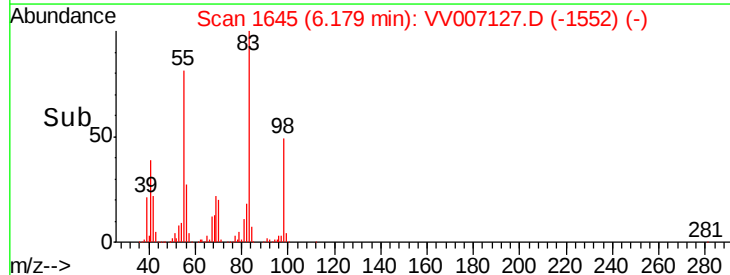
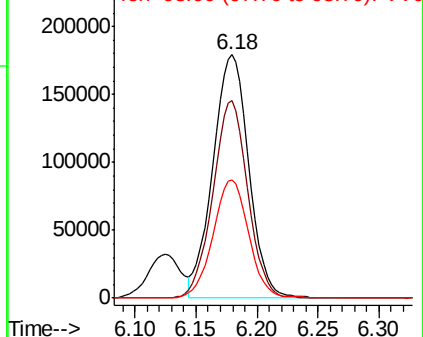
Tgt Ion:	83	Resp:	368882
Ion	Ratio	Lower	Upper
83	100		
55	78.7	65.5	98.3
98	48.5	39.2	58.8

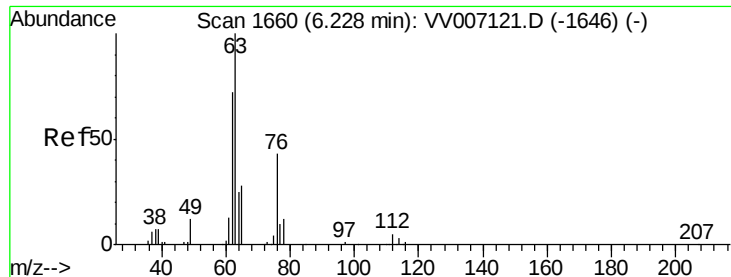


Abundance Ion 83.00 (82.70 to 83.70): VV007127.D (-1552) (-)

Ion 55.00 (54.70 to 55.70): VV007127.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VV007127.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 51.708 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

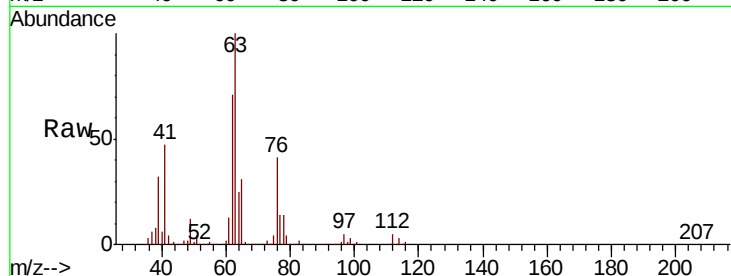
ClientSampled :

Tot Ion: 63 Resp: 259363

Ion Ratio Lower Upper

63 100

112 4.7 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

6.23

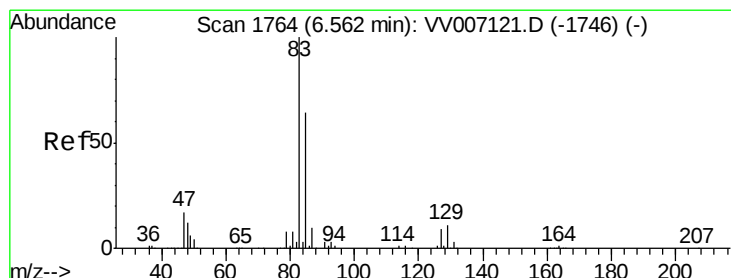
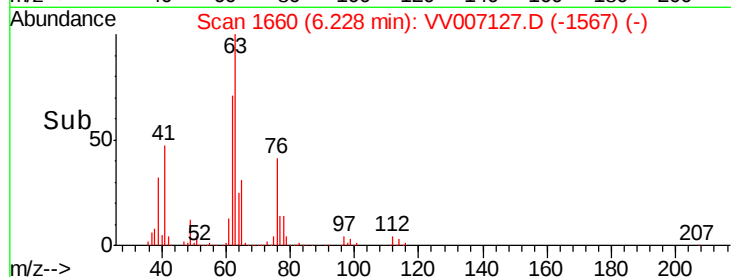
150000

100000

50000

0

Time--> 6.10 6.20 6.30



#38

Bromodichloromethane

Concen: 49.872 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

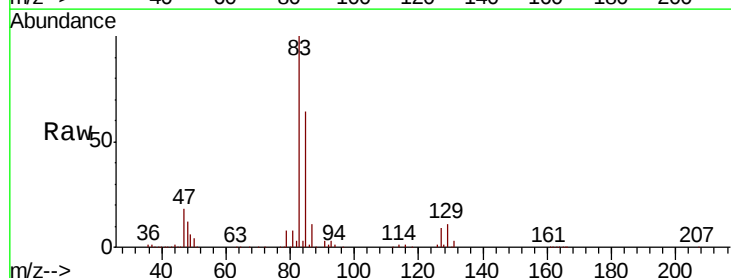
Tgt Ion: 83 Resp: 301126

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

6.56

200000

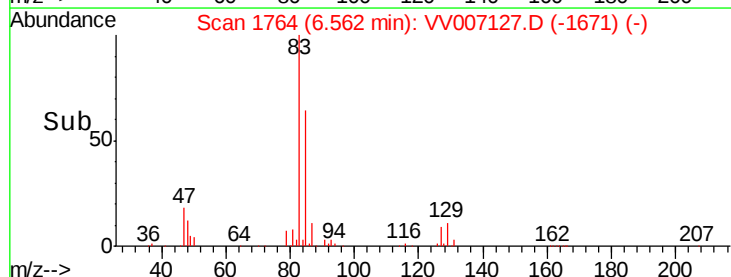
150000

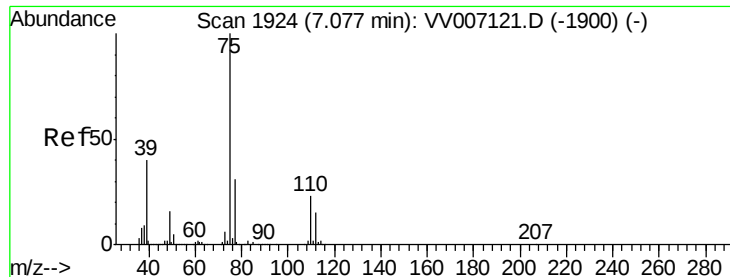
100000

50000

0

Time--> 6.50 6.55 6.60 6.65



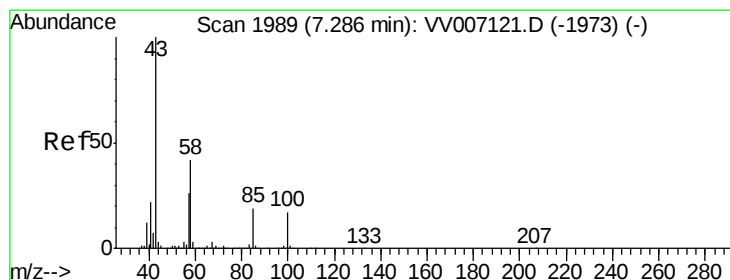
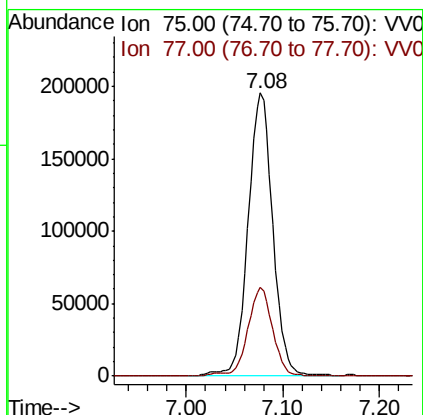
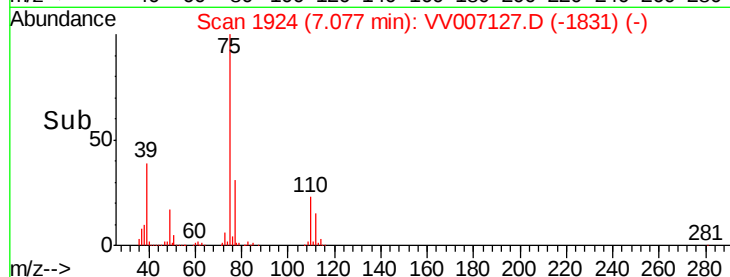
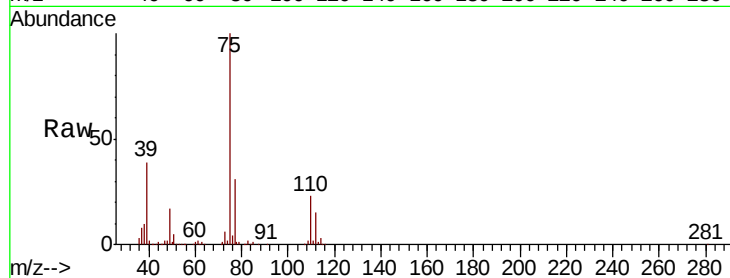


#39

cis-1,3-Dichloropropene
 Concen: 51.117 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

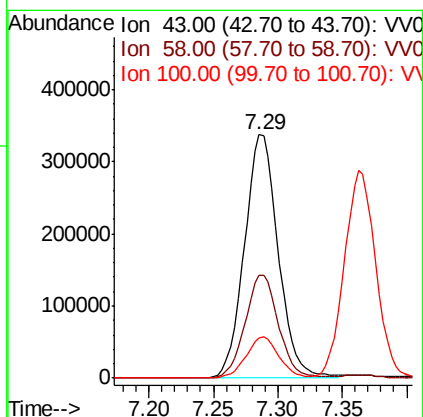
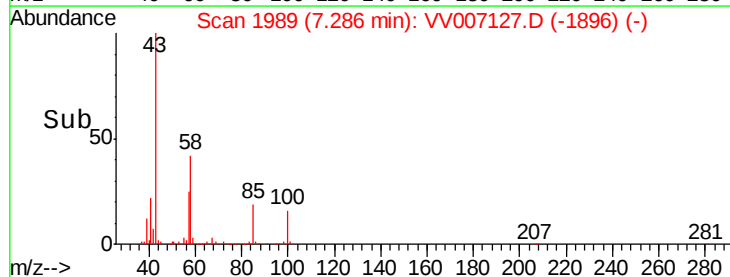
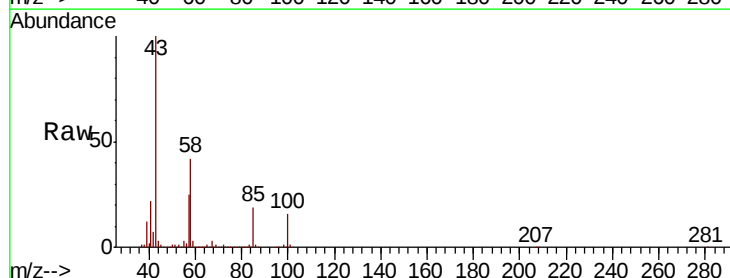
Tot Ion: 75 Resp: 346442
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.4

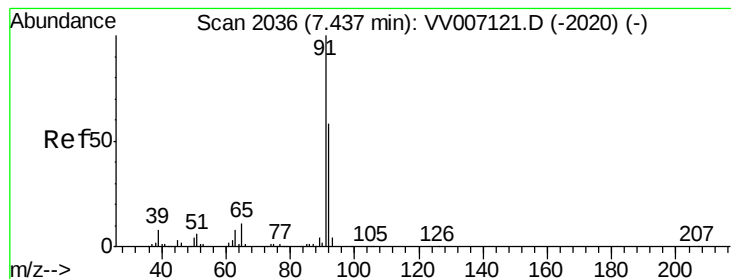


#40

4-Methyl-2-pentanone
 Concen: 100.518 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion: 43 Resp: 615551
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.4 50.0
 100 16.4 13.1 19.7





#42

Toluene

Concen: 52.204 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

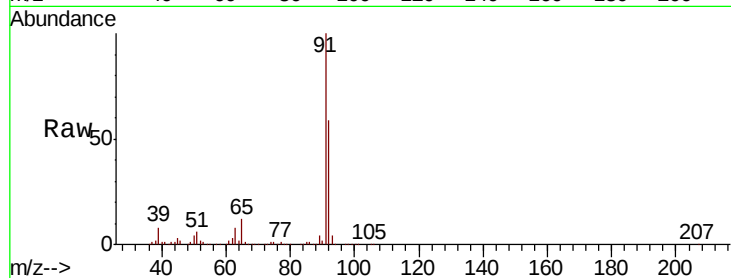
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 951474

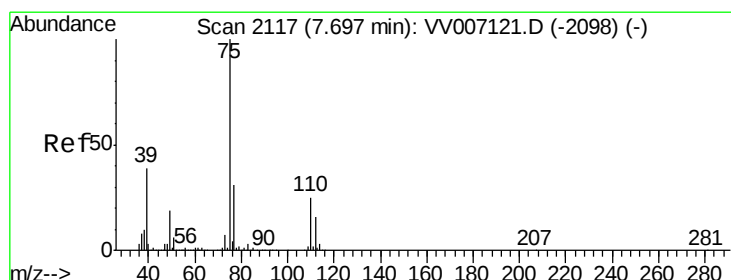
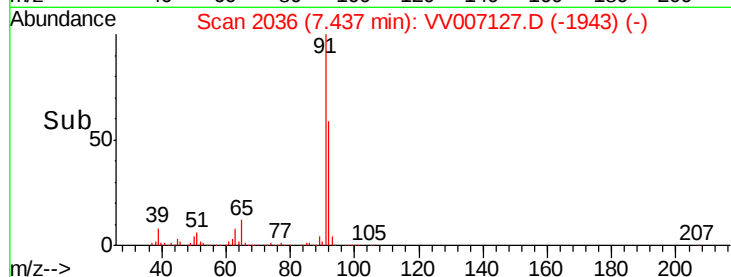
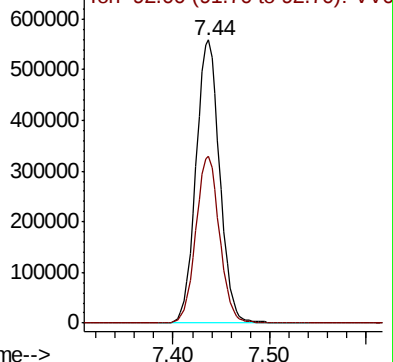
Ion Ratio Lower Upper

91 100

92 59.0 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV007127.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.414 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007127.D

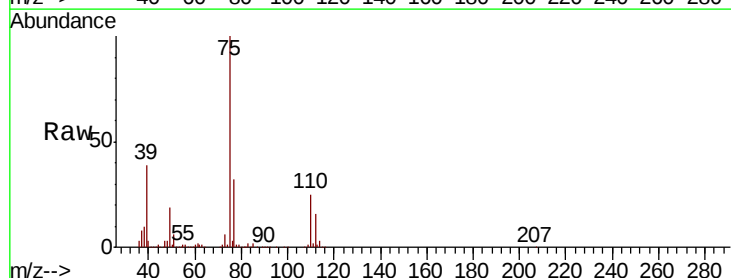
Acq: 22 Aug 2018 17:45

Tgt Ion: 75 Resp: 318371

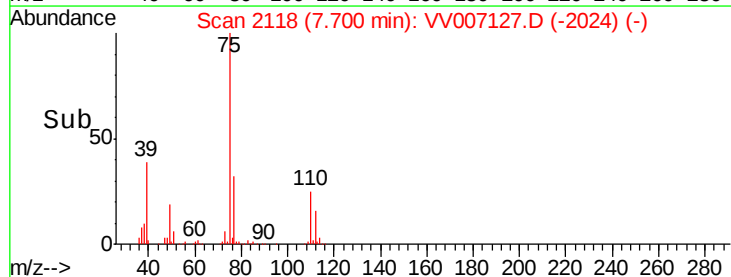
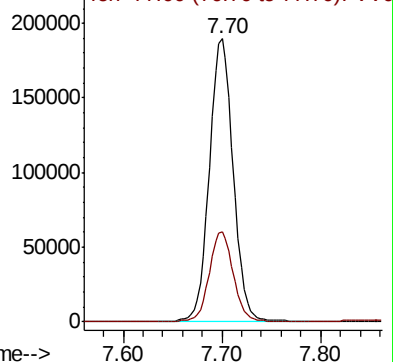
Ion Ratio Lower Upper

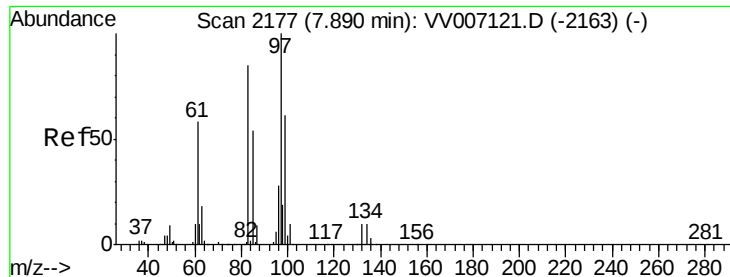
75 100

77 31.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV007127.D (-2024) (-)

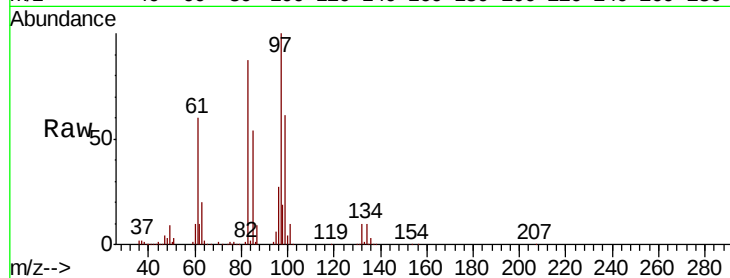




#45
 1,1,2-Trichloroethane
 Concen: 49.324 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	232308
Ion	Ratio	Lower	Upper
97	100		
99	60.9	42.8	79.4
83	86.6	59.6	110.8
85	53.8	37.6	69.8



Abundance

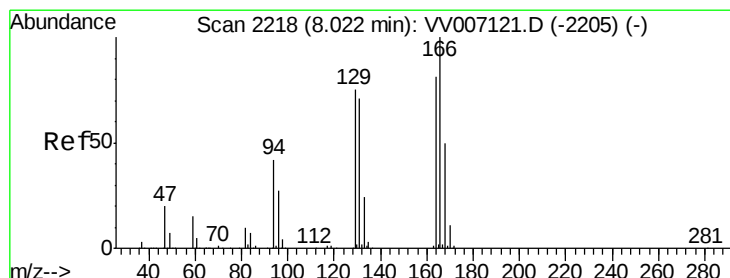
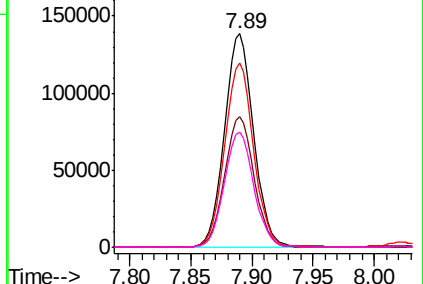
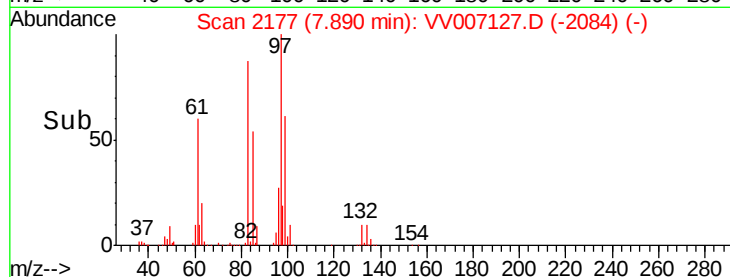
Ion 97.00 (96.70 to 97.70): VV007127.D (-2163) (-)

Ion 99.00 (98.70 to 99.70): VV007127.D (-2163) (-)

Ion 83.00 (82.70 to 83.70): VV007127.D (-2163) (-)

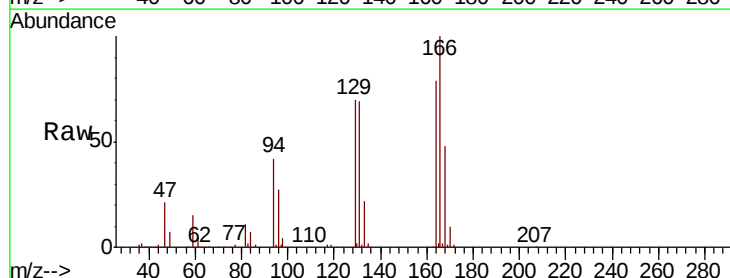
Ion 85.00 (84.70 to 85.70): VV007127.D (-2163) (-)

Time-->



#46
 Tetrachloroethene
 Concen: 49.815 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion:	164	Resp:	181959
Ion	Ratio	Lower	Upper
164	100		
129	89.7	64.5	119.9
131	87.8	61.7	114.7
166	127.3	86.5	160.6



Abundance

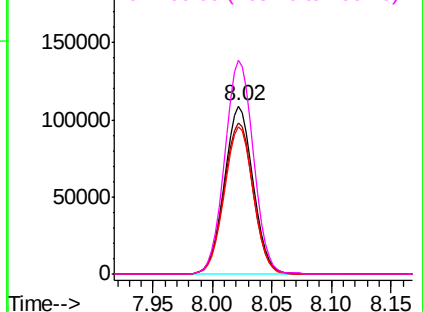
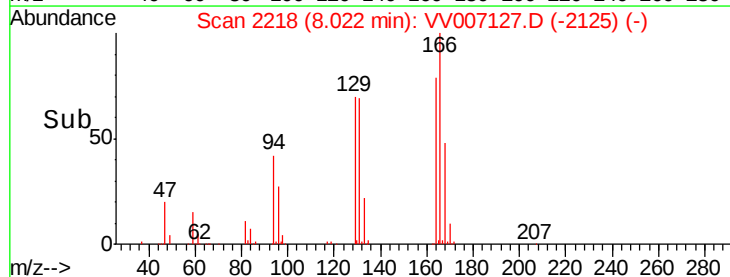
Ion 164.00 (163.70 to 164.70): VV007127.D (-2205) (-)

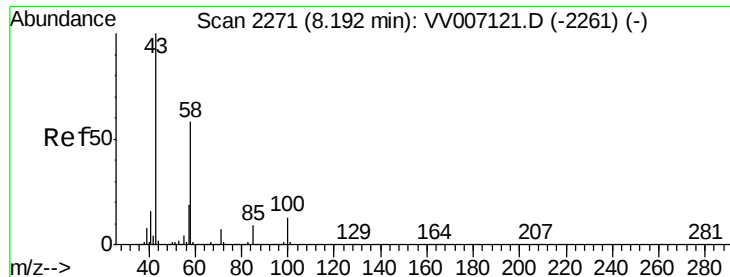
Ion 129.00 (128.70 to 129.70): VV007127.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VV007127.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VV007127.D (-2205) (-)

Time-->

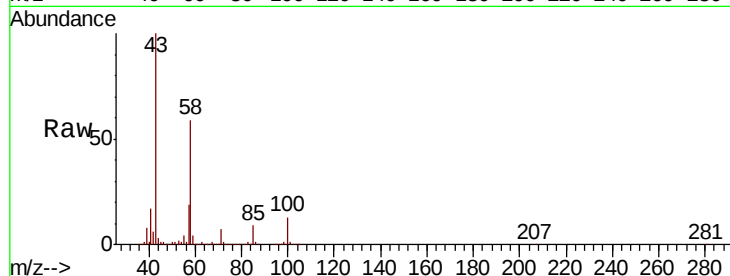




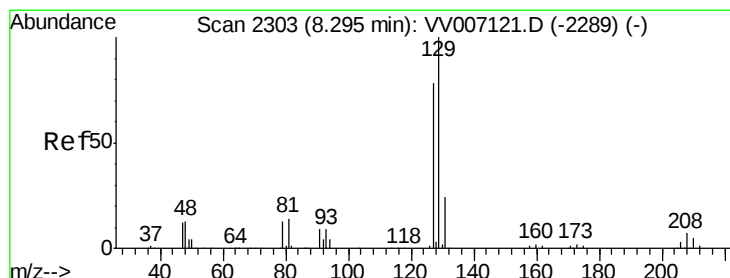
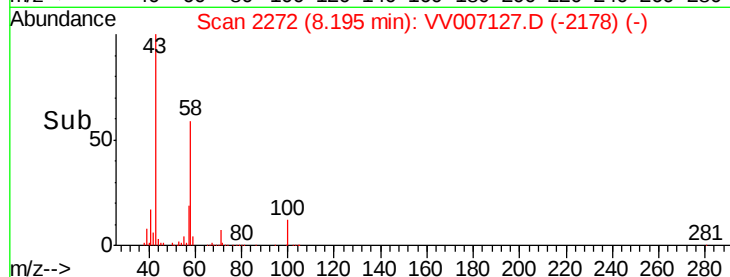
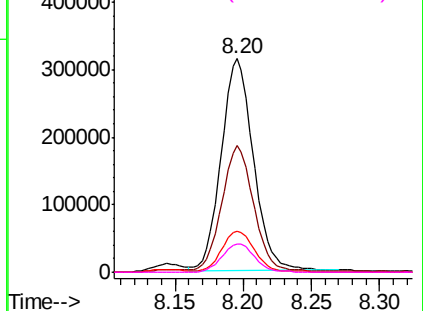
#48
2-Hexanone
Concen: 103.824 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007127.D
Acq: 22 Aug 2018 17:45

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	515005
Ion	Ratio	Lower	Upper
43	100		
58	59.1	47.9	71.9
57	19.7	15.8	23.8
100	13.4	10.6	16.0

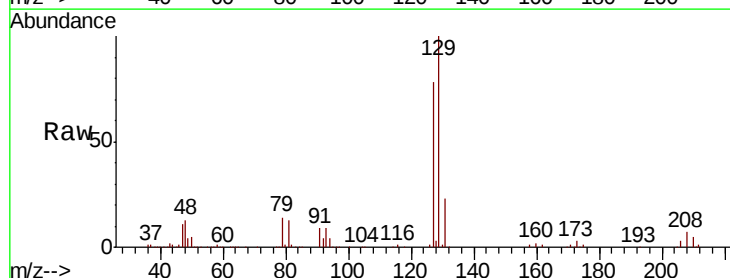


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

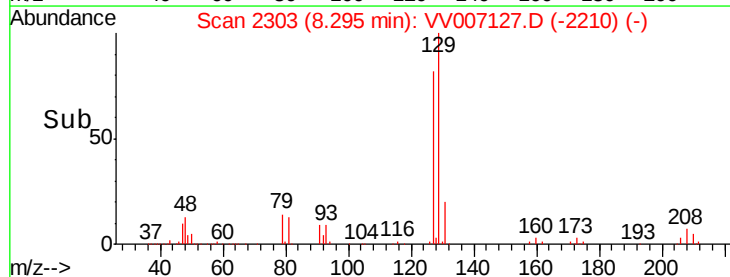
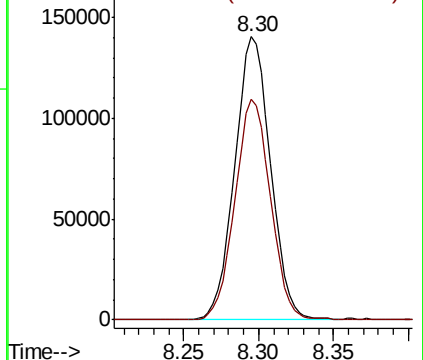


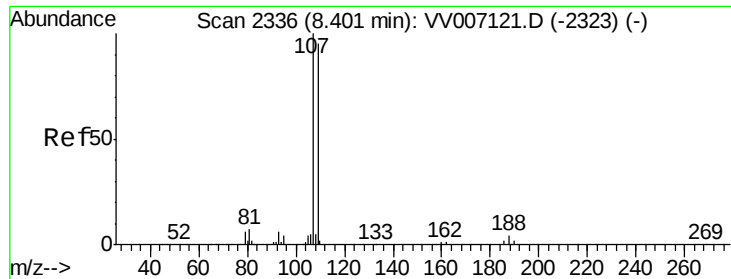
#49
Dibromochloromethane
Concen: 49.657 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007127.D
Acq: 22 Aug 2018 17:45

Tgt Ion:	129	Resp:	234119
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.3	100.8



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

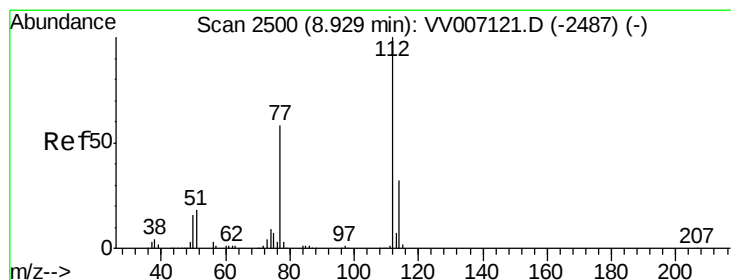
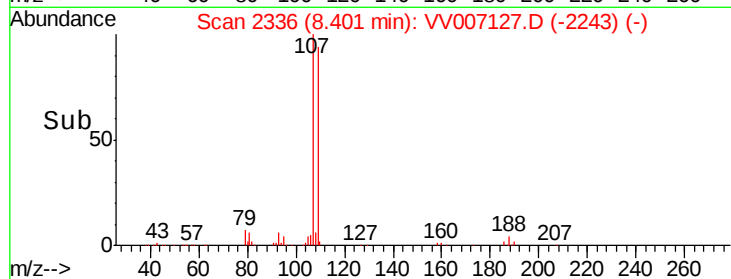
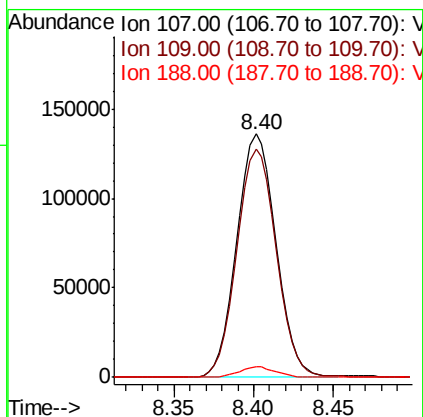
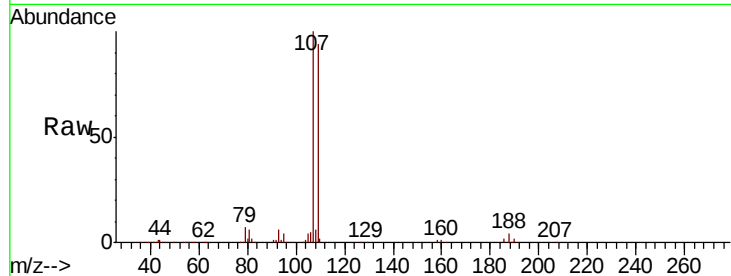




#50
 1,2-Dibromoethane
 Concen: 48.917 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

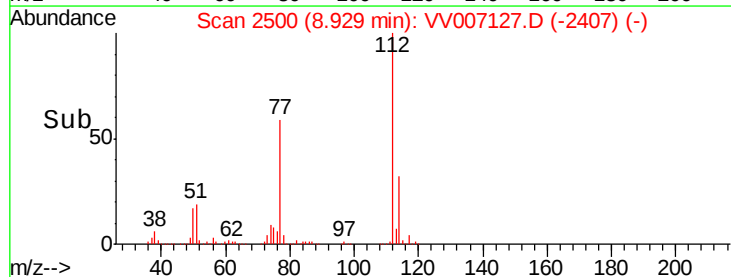
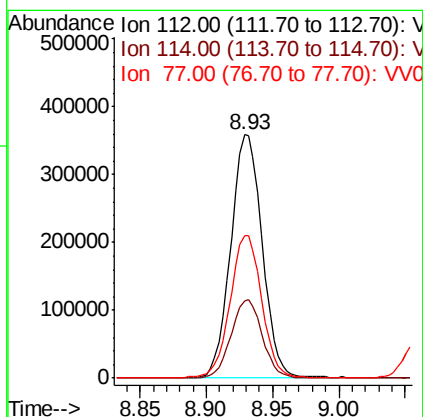
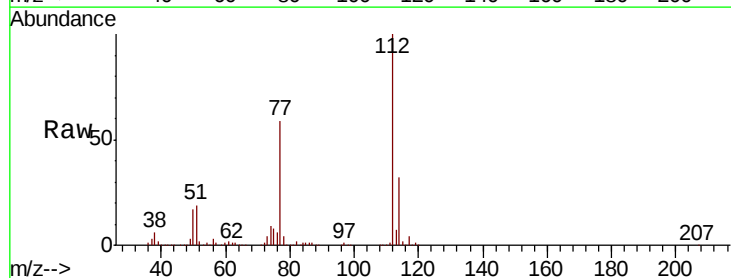
Instrument :
 MSVOA_V
 ClientSampleId :

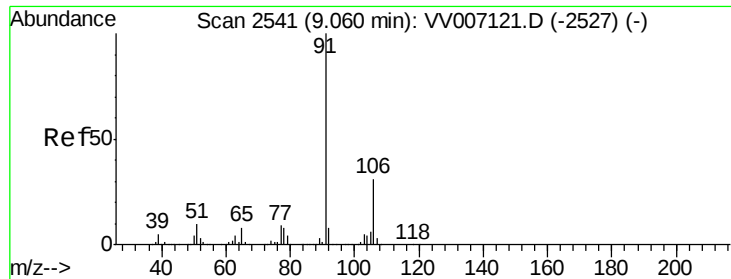
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	66.5	123.5
188	4.4	3.3	4.9



#51
 Chlorobenzene
 Concen: 49.058 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	58.8	46.6	70.0





#52

Ethylbenzene

Concen: 50.792 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

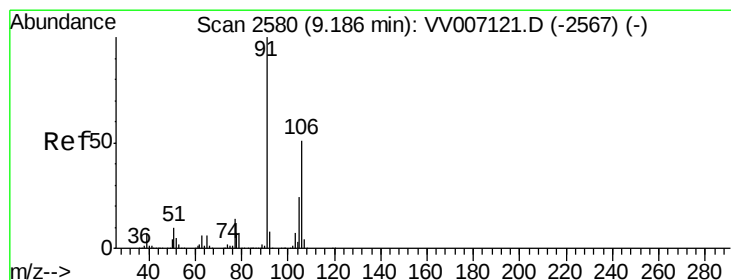
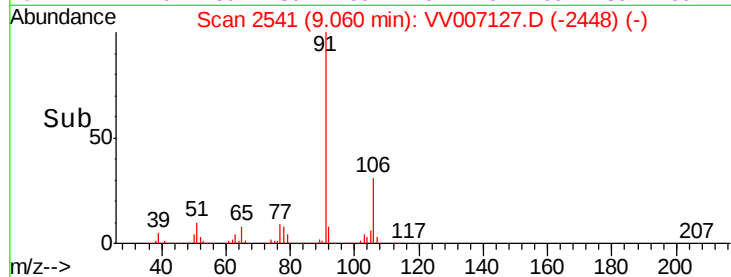
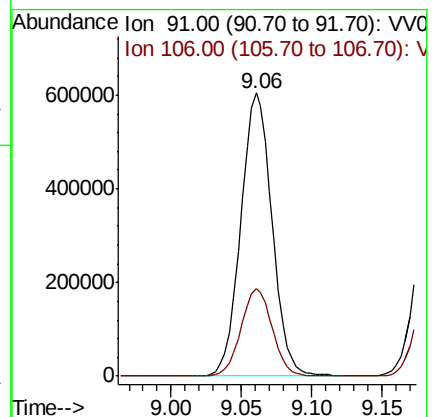
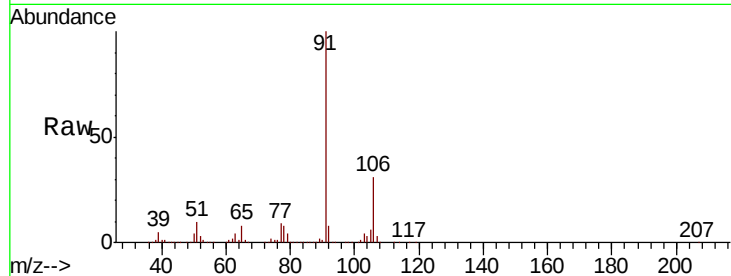
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 938224

Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



#53

m,p-Xylene

Concen: 51.743 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007127.D

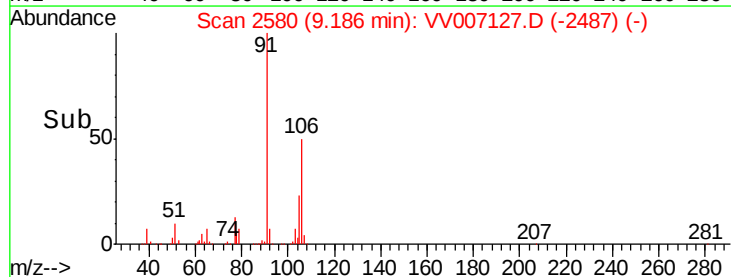
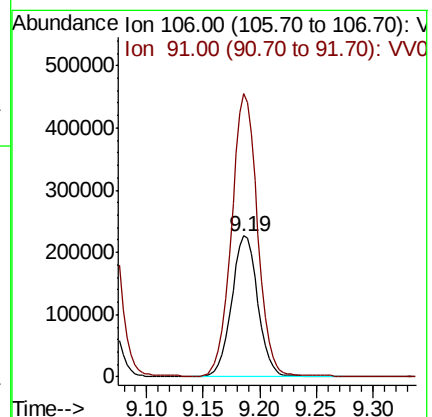
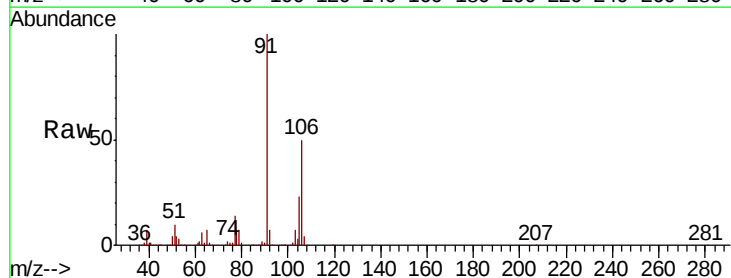
Acq: 22 Aug 2018 17:45

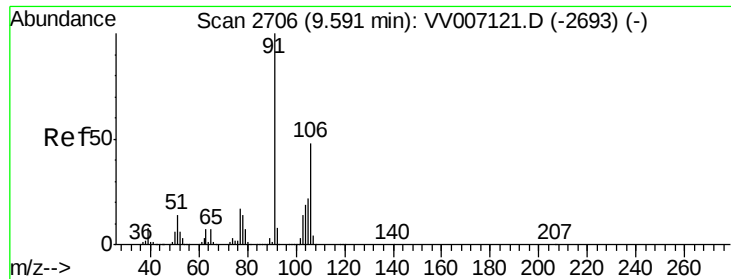
Tgt Ion: 106 Resp: 365232

Ion Ratio Lower Upper

106 100

91 201.2 138.7 257.5





#54

o-xylene

Concen: 51.316 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

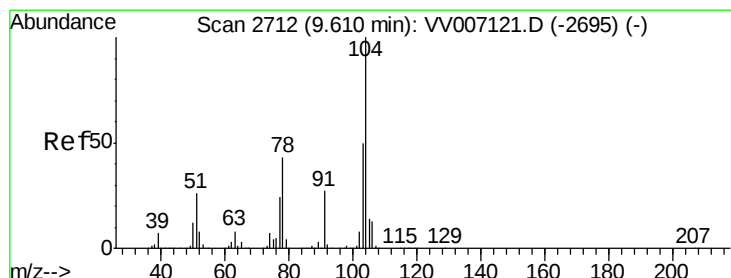
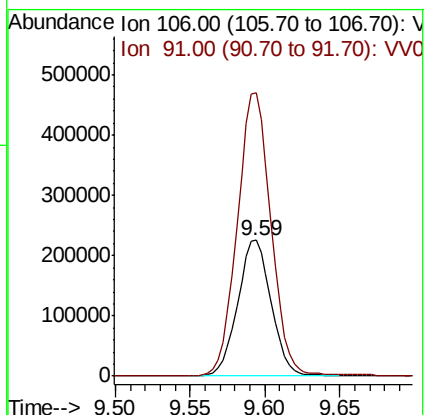
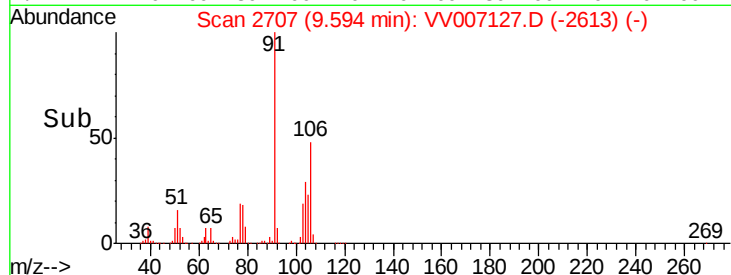
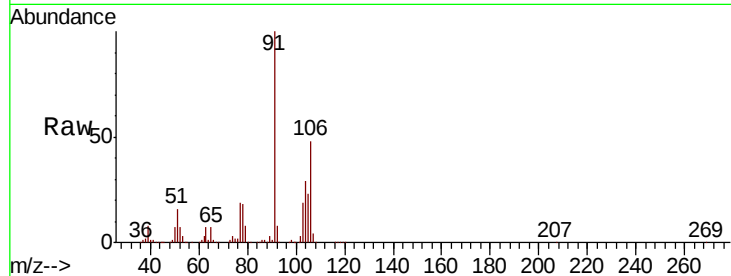
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 352400

Ion Ratio Lower Upper

106 100

91 208.3 146.3 271.7



#55

Styrene

Concen: 53.436 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007127.D

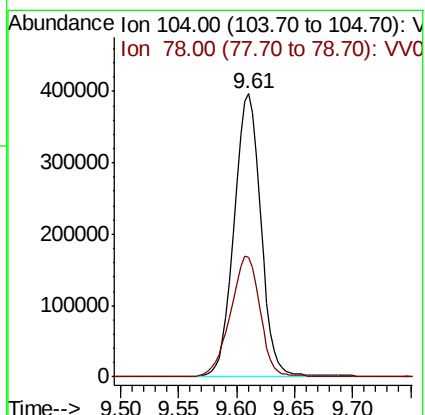
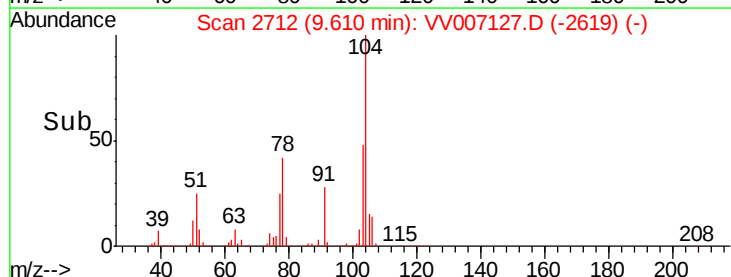
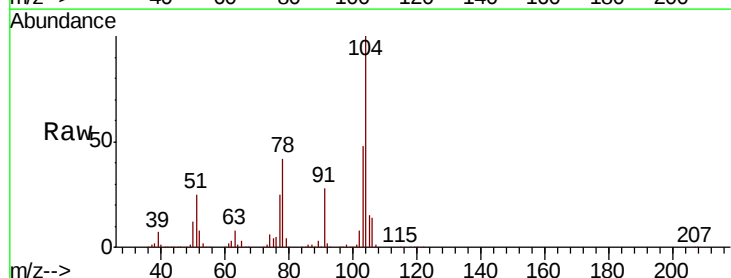
Acq: 22 Aug 2018 17:45

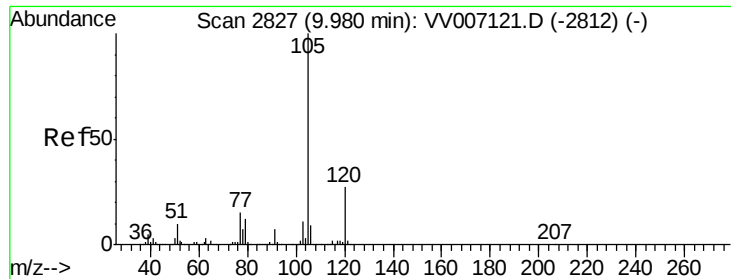
Tgt Ion:104 Resp: 633664

Ion Ratio Lower Upper

104 100

78 42.4 30.0 55.6





#56

Isopropylbenzene

Concen: 51.796 ug/L

RT: 9.98 min Scan# 2827

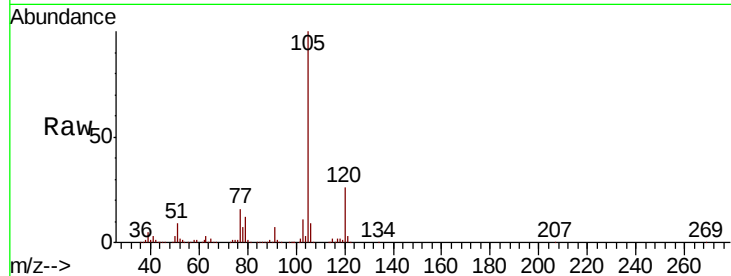
Delta R.T. -0.00 min

Lab File: VV007127.D

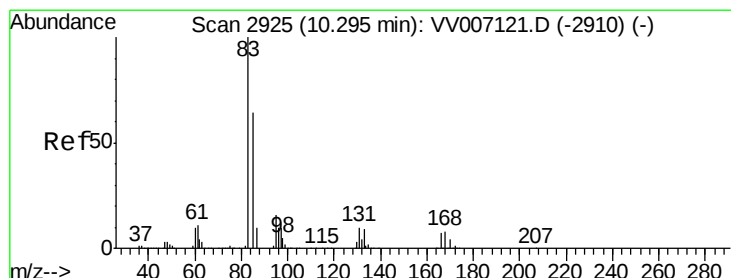
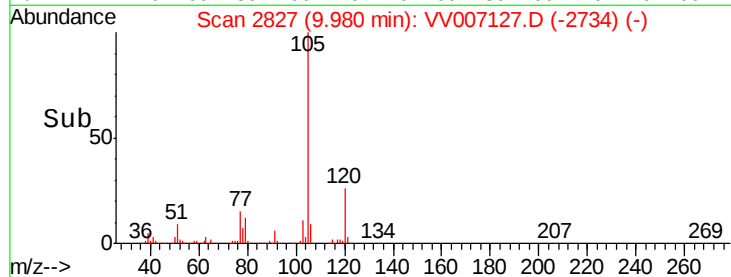
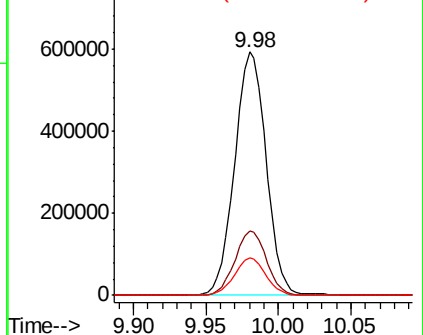
Acq: 22 Aug 2018 17:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105	Resp:	896932
Ion Ratio	Lower	Upper
105	100	
120	26.5	21.0 31.4
77	15.2	12.4 18.6



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: 49.426 ug/L

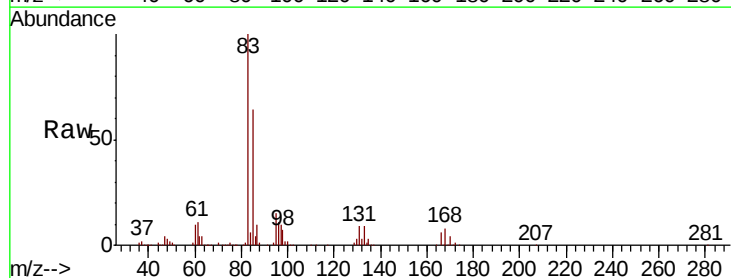
RT: 10.30 min Scan# 2925

Delta R.T. -0.00 min

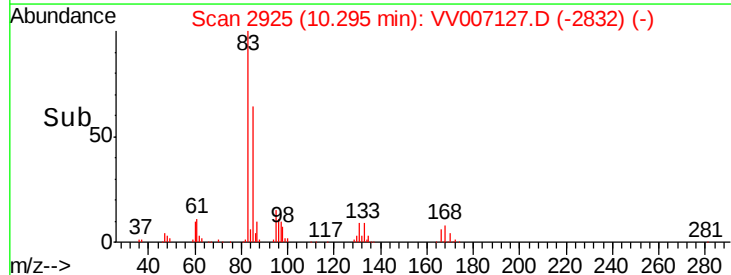
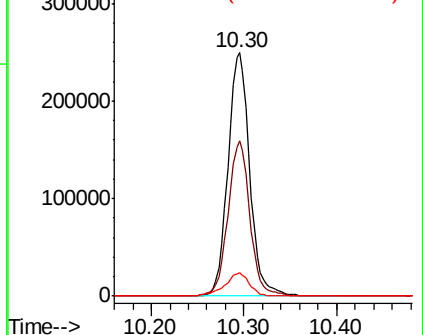
Lab File: VV007127.D

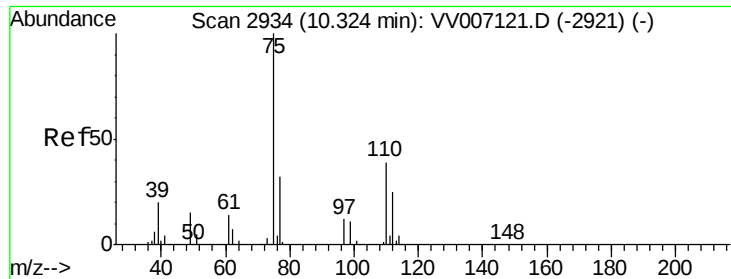
Acq: 22 Aug 2018 17:45

Tgt Ion: 83	Resp:	403950
Ion Ratio	Lower	Upper
83	100	
85	63.8	45.2 84.0
131	9.5	7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.055 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

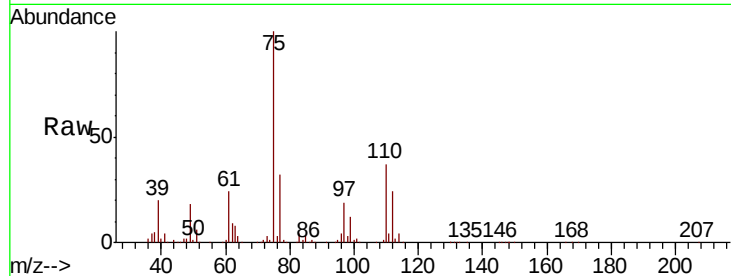
ClientSampleId :

Tot Ion: 75 Resp: 319757

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV007121.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007121.D (-2921) (-)

10.33

200000

150000

100000

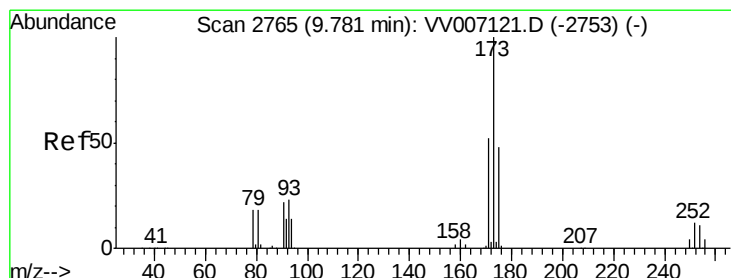
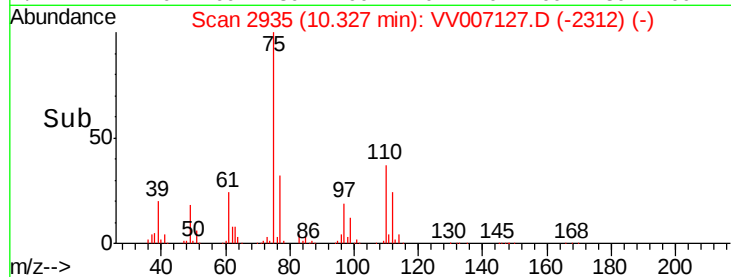
50000

0

10.30

10.40

Time-->



#61

Bromoform

Concen: 47.975 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

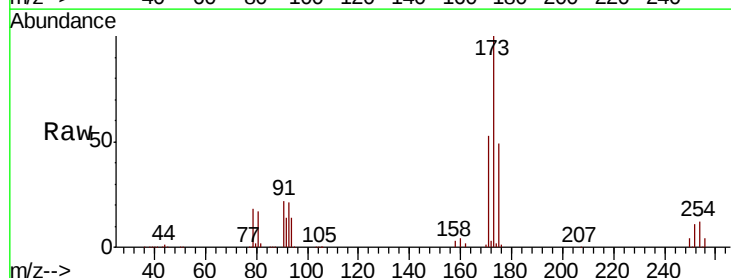
Tgt Ion: 173 Resp: 170458

Ion Ratio Lower Upper

173 100

175 48.6 37.9 56.9

254 11.7 9.2 13.8



Abundance Ion 173.00 (172.70 to 173.70): VV007121.D (-2753) (-)

Ion 175.00 (174.70 to 175.70): VV007121.D (-2753) (-)

Ion 254.00 (253.70 to 254.70): VV007121.D (-2753) (-)

9.78

100000

50000

0

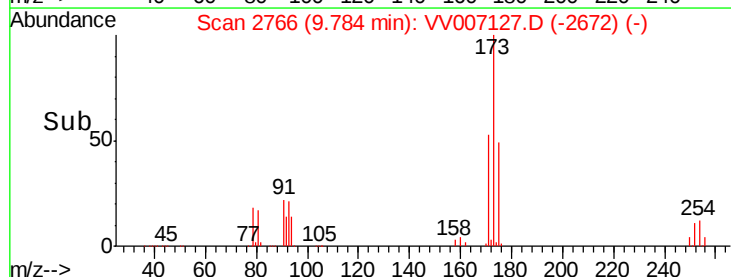
9.70

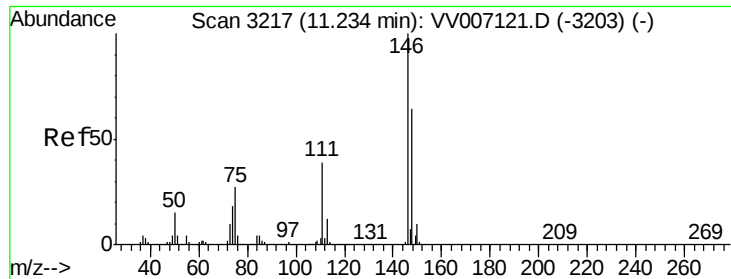
9.75

9.80

9.85

Time-->

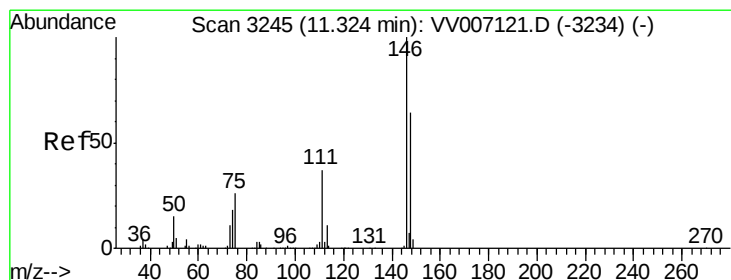
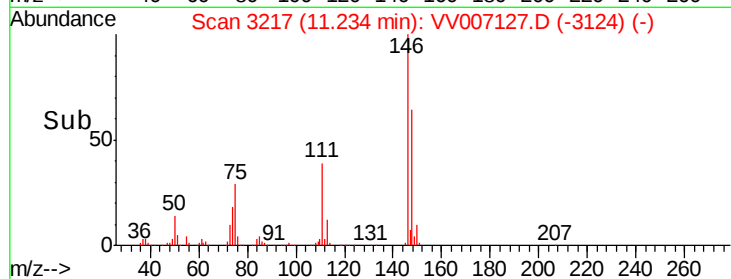
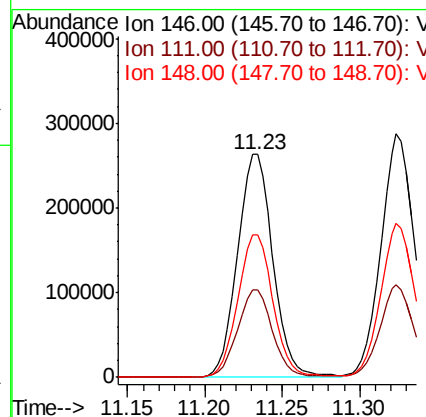
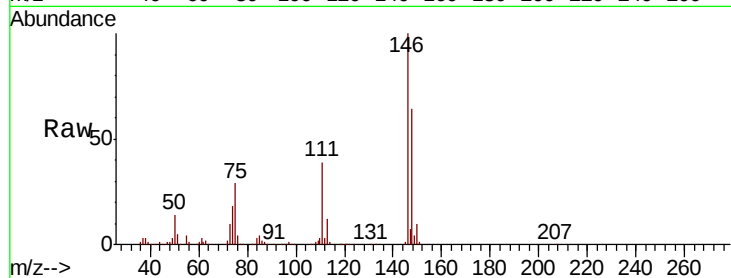




#62
 1,3-Dichlorobenzene
 Concen: 49.142 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

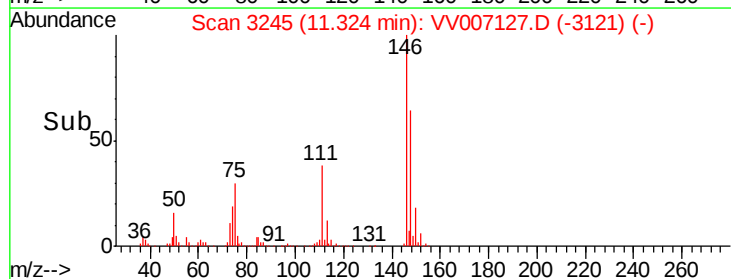
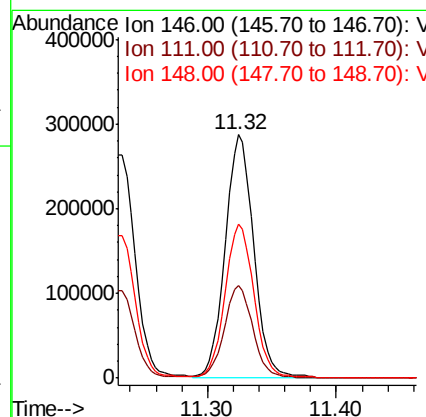
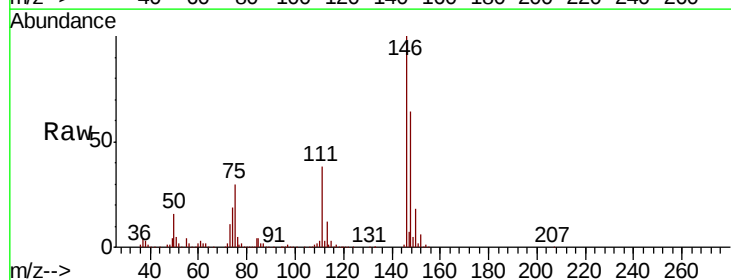
Instrument :
 MSVOA_V
 ClientSampleId :

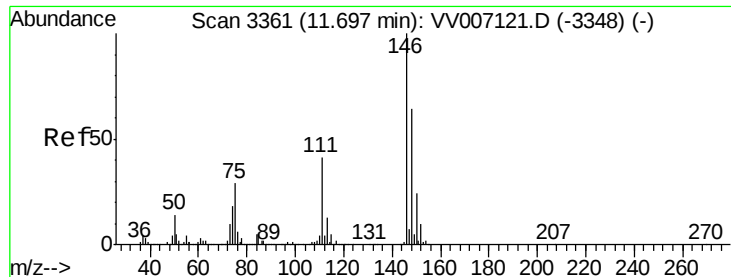
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.1	50.3
148	64.2	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 49.043 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.2	48.6
148	63.5	44.7	82.9

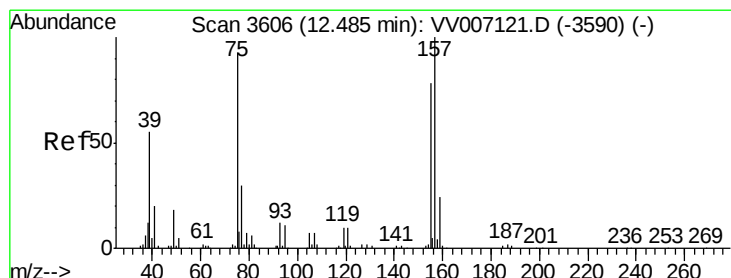
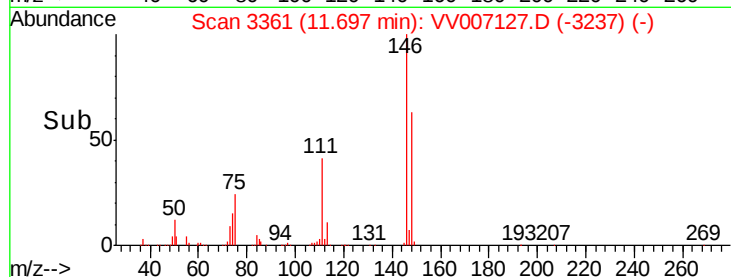
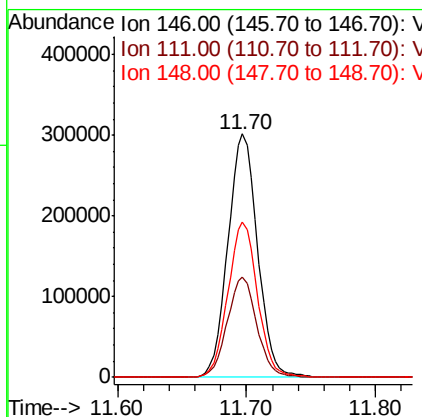
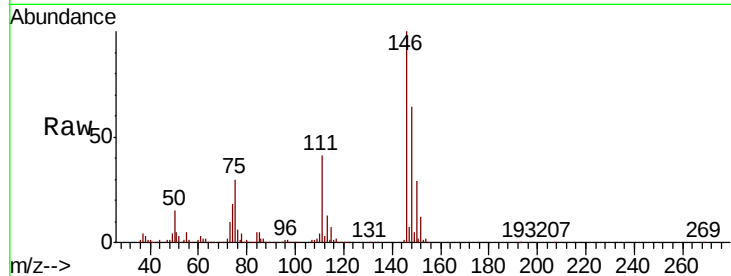




#65
 1,2-Dichlorobenzene
 Concen: 51.398 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

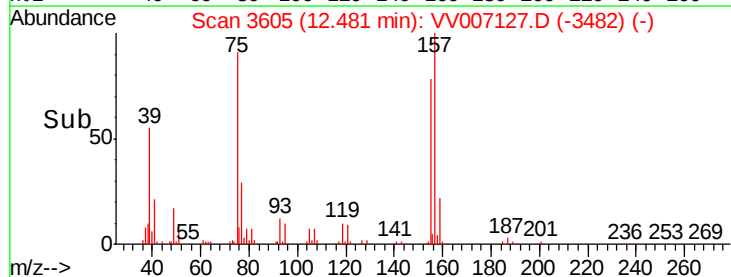
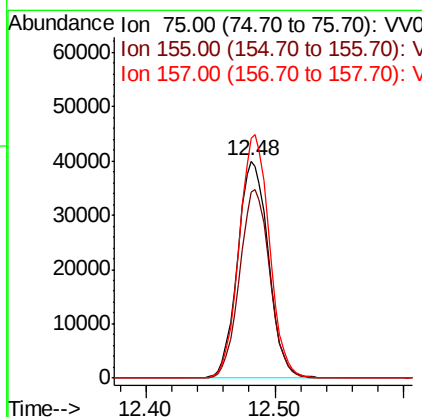
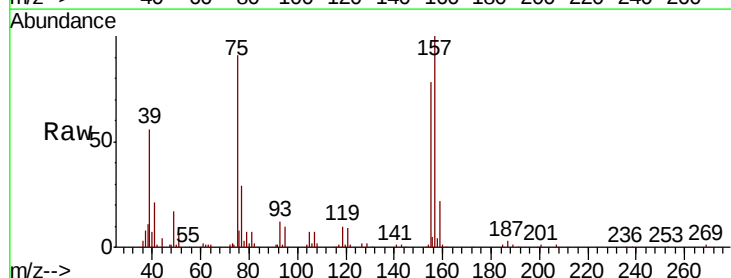
Instrument :
 MSVOA_V
 ClientSampleId :

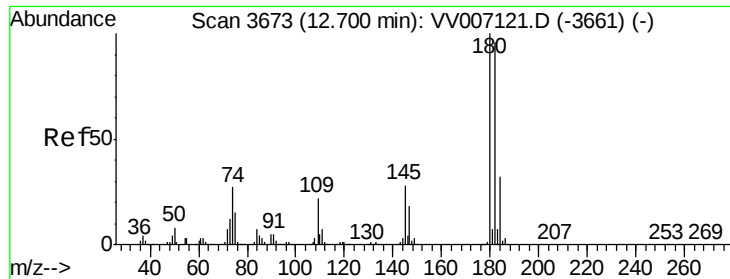
Tot Ion:146 Resp: 480330
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.5 48.7
 148 63.7 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.067 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion: 75 Resp: 66406
 Ion Ratio Lower Upper
 75 100
 155 85.5 66.8 100.2
 157 110.3 85.8 128.8

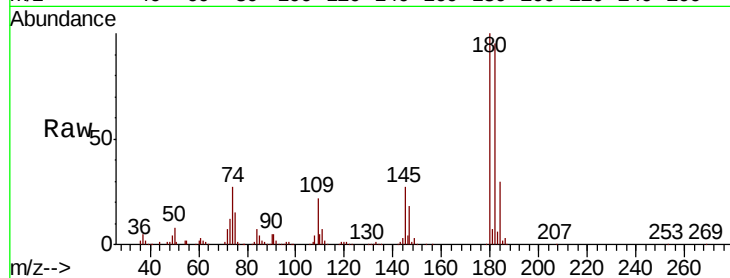




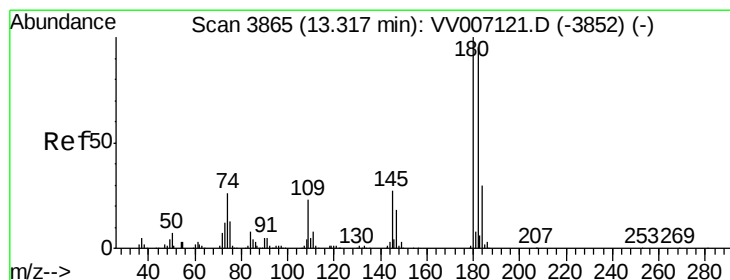
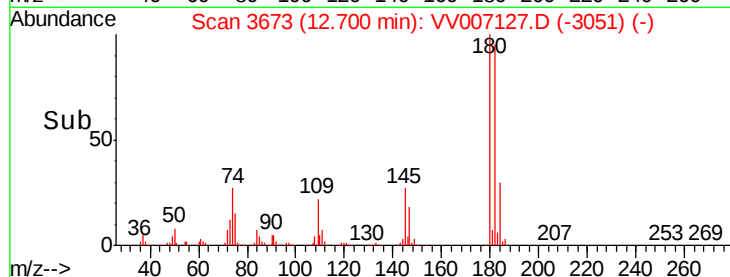
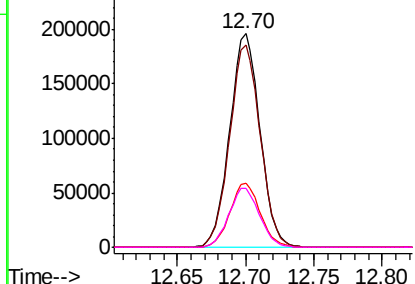
#67
 1,3,5-Trichlorobenzene
 Concen: 52.233 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	302295
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.4 114.6
184	30.1	24.6 37.0
145	28.0	22.6 33.8

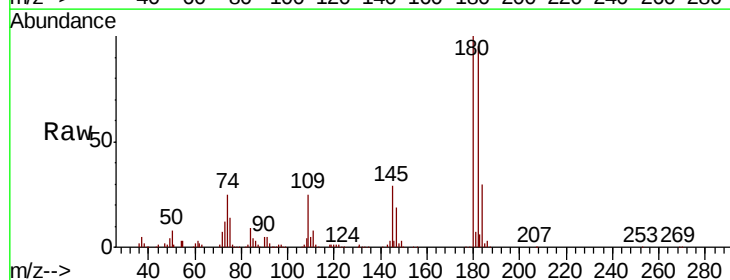


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

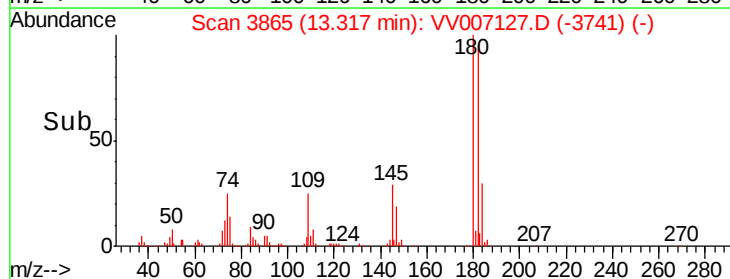
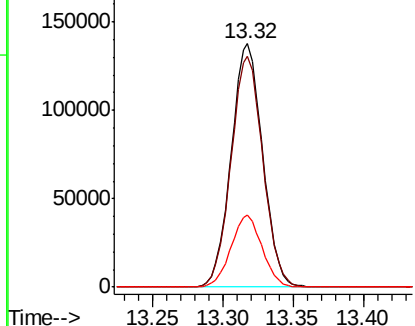


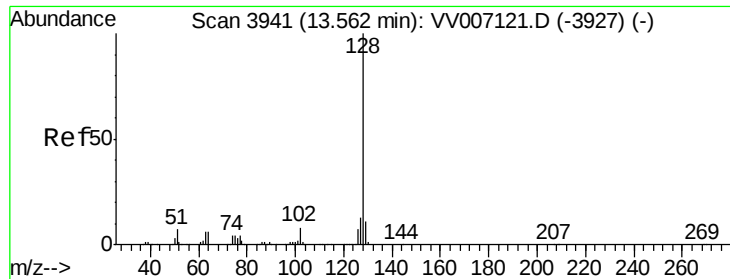
#68
 1,2,4-trichlorobenzene
 Concen: 54.777 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007127.D
 Acq: 22 Aug 2018 17:45

Tgt Ion:180	Resp:	215170
Ion Ratio	Lower	Upper
180	100	
182	96.0	77.0 115.6
145	29.1	22.7 34.1



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





#69

Naphthalene

Concen: 51.900 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

Instrument :

MSVOA_V

ClientSampleId :

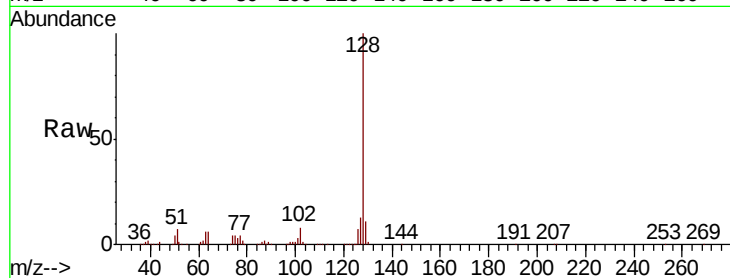
Tot Ion:128 Resp: 555669

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

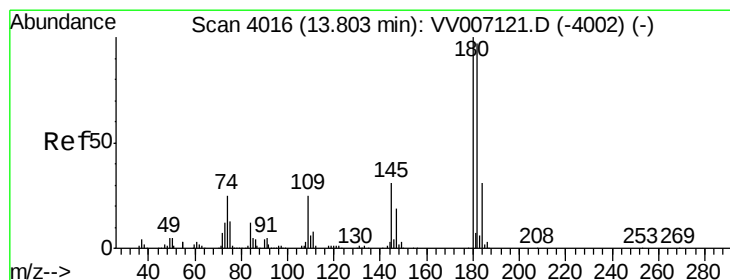
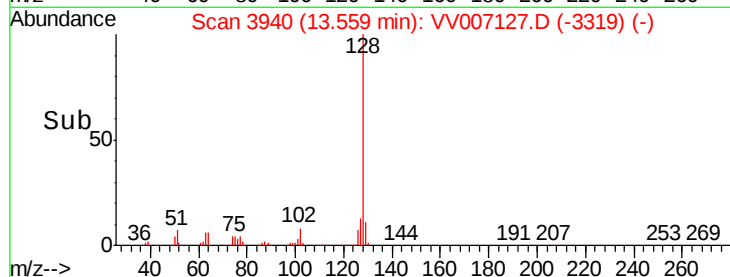
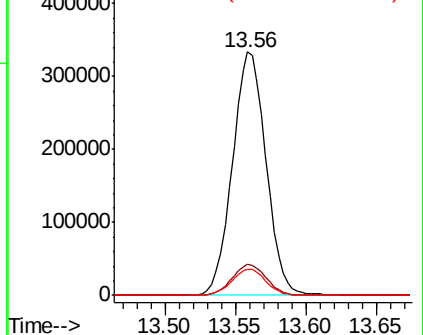
129 10.8 8.7 13.1



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: 56.889 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007127.D

Acq: 22 Aug 2018 17:45

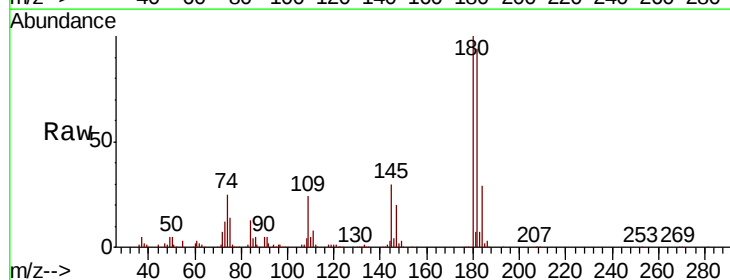
Tgt Ion:180 Resp: 244482

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

145 30.3 24.2 36.4



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

