

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090718\
 Data File : VV007455.D
 Acq On : 07 Sep 2018 10:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 08 04:46:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 03:09:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	464491	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	471422	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	231277	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151709	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.46%
7) Chloroethane-d5	1.56	69	121783	56.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.06%
11) 1,1-Dichloroethene-d2	2.13	63	277968	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.12%
21) 2-Butanone-d5	3.95	46	201526	74.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.67%
24) Chloroform-d	4.40	84	334003	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
26) 1,2-Dichloroethane-d4	5.08	65	205303	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
32) Benzene-d6	5.10	84	657581	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
36) 1,2-Dichloropropane-d6	6.12	67	219991	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.40%
41) Toluene-d8	7.36	98	615698	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%
43) trans-1,3-Dichloropropene-	7.67	79	98216	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
47) 2-Hexanone-d5	8.14	63	165104	88.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.46%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	326287	50.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.34%
64) 1,2-Dichlorobenzene-d4	11.68	152	248990	50.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	188830	51.221	ug/L	99
3) Chloromethane	1.26	50	217064	55.508	ug/L	99
5) Vinyl chloride	1.33	62	200132	50.477	ug/L	98
6) Bromomethane	1.51	94	85406	44.705	ug/L	100
8) Chloroethane	1.58	64	115050	56.549	ug/L	97
9) Trichlorofluoromethane	1.76	101	248540	49.521	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	159017	51.031	ug/L	99
12) 1,1-Dichloroethene	2.14	96	144657	49.243	ug/L	95
13) Acetone	2.19	43	194585	121.082	ug/L	100
14) Carbon disulfide	2.31	76	396496	47.634	ug/L	99
15) Methyl Acetate	2.46	43	175604	50.163	ug/L	98
16) Methylene chloride	2.53	84	180993	51.811	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	158458	49.447	ug/L	97
18) Methyl tert-butyl Ether	2.81	73	538039	53.609	ug/L	100
19) 1,1-Dichloroethane	3.23	63	327653	49.367	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	188610	51.145	ug/L	99
22) 2-Butanone	4.04	43	290834	108.057	ug/L	98

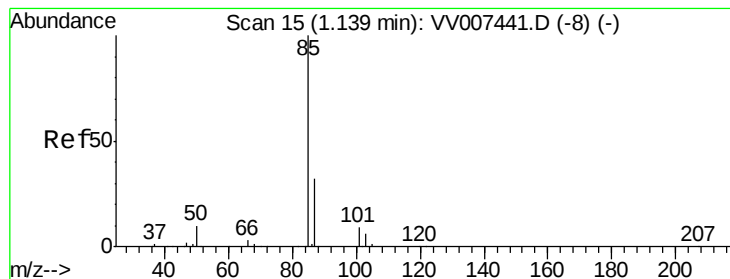
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090718\
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Quant Time: Sep 08 04:46:23 2018
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 03:09:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	101093	52.394	ug/L	97
25) Chloroform	4.43	83	341380	52.256	ug/L	100
27) 1,2-Dichloroethane	5.18	62	255453	52.224	ug/L	99
29) Cyclohexane	4.72	56	244560	46.793	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	276114	47.960	ug/L	98
31) Carbon tetrachloride	4.87	117	232283	46.612	ug/L	99
33) Benzene	5.15	78	750377	49.763	ug/L	100
34) Trichloroethene	5.96	95	170926	46.433	ug/L	97
35) Methylcyclohexane	6.18	83	268862	48.980	ug/L	99
37) 1,2-Dichloropropane	6.23	63	205295	49.540	ug/L	100
38) Bromodichloromethane	6.56	83	252439	49.889	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	282010	50.679	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	486971	101.723	ug/L	98
42) Toluene	7.43	91	774279	53.376	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	271325	52.146	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	203088	51.925	ug/L	99
46) Tetrachloroethene	8.02	164	147586	49.860	ug/L	98
48) 2-Hexanone	8.19	43	411466	110.210	ug/L	96
49) Dibromochloromethane	8.29	129	205730	51.282	ug/L	100
50) 1,2-Dibromoethane	8.40	107	194440	50.901	ug/L	97
51) Chlorobenzene	8.93	112	503993	51.451	ug/L	100
52) Ethylbenzene	9.06	91	783600	53.267	ug/L	99
53) m,p-Xylene	9.18	106	309667	54.983	ug/L	97
54) o-xylene	9.59	106	301117	54.983	ug/L	98
55) Styrene	9.61	104	561511	59.189	ug/L	98
56) Isopropylbenzene	9.98	105	756425	54.611	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	332323	53.718	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	260967	52.950	ug/L	99
61) Bromoform	9.78	173	150971	47.935	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	359499	51.167	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	396764	52.653	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	417625	53.171	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	60315	45.294	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	275732	51.142	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	207400	49.657	ug/L	99
69) Naphthalene	13.56	128	571369	47.398	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	239169	51.821	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.221 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

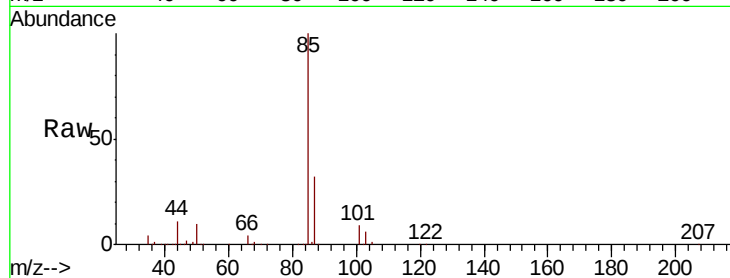
ClientSampleId :

Tot Ion: 85 Resp: 188830

Ion Ratio Lower Upper

85 100

87 31.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007441.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007441.D (-8) (-)

1.14

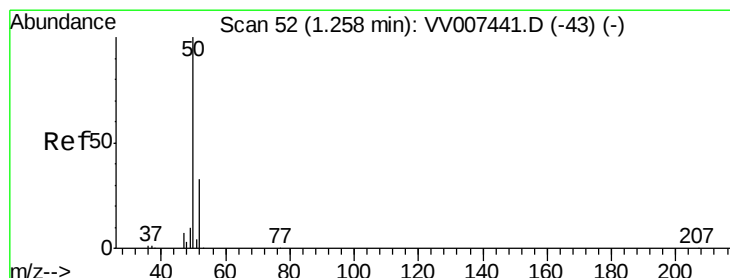
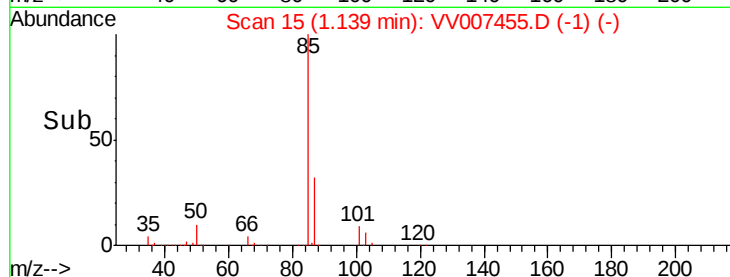
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 55.508 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007455.D

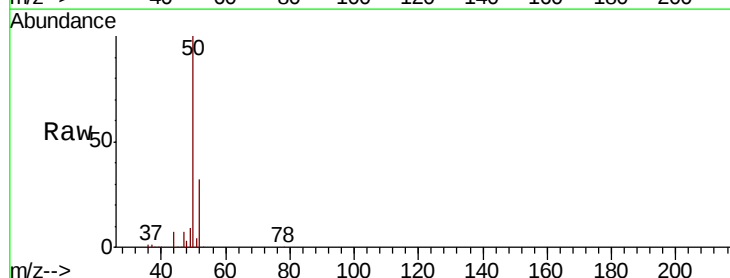
Acq: 07 Sep 2018 10:45

Tgt Ion: 50 Resp: 217064

Ion Ratio Lower Upper

50 100

52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007441.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV007441.D (-43) (-)

1.26

200000

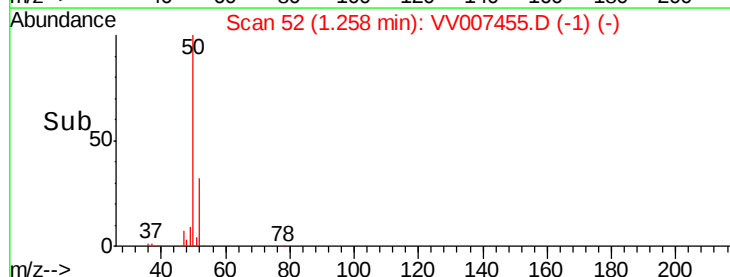
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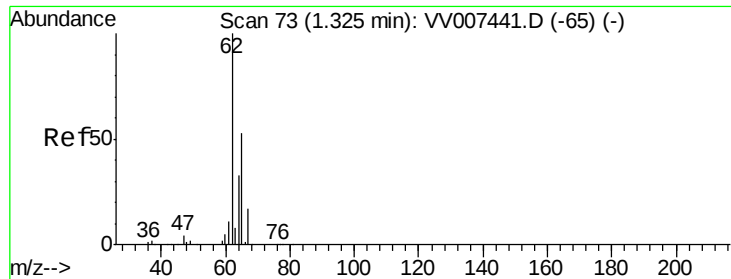
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.477 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

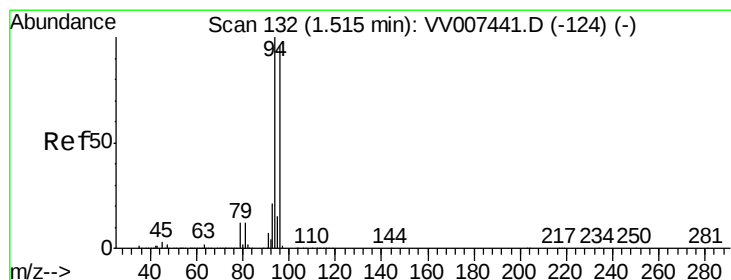
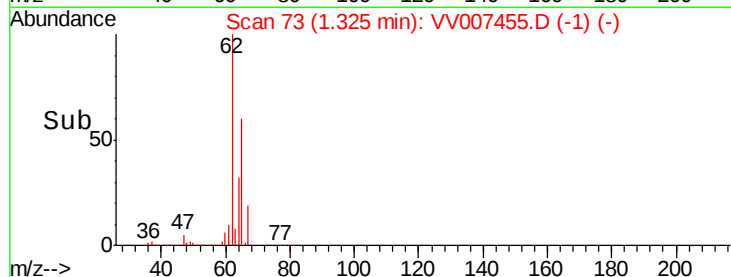
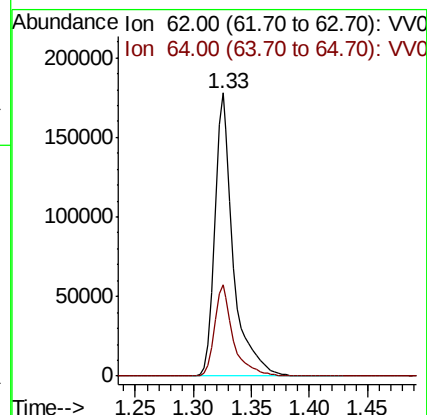
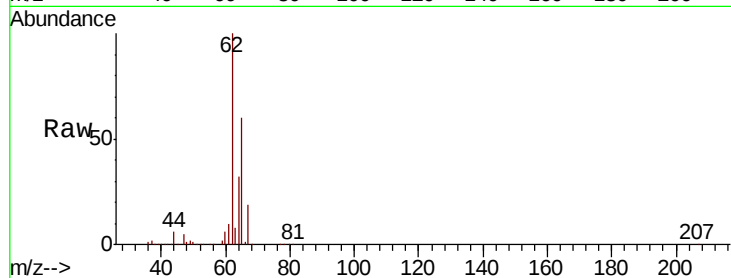
ClientSampleId :

Tot Ion: 62 Resp: 200132

Ion Ratio Lower Upper

62 100

64 32.2 23.2 43.2



#6

Bromomethane

Concen: 44.705 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV007455.D

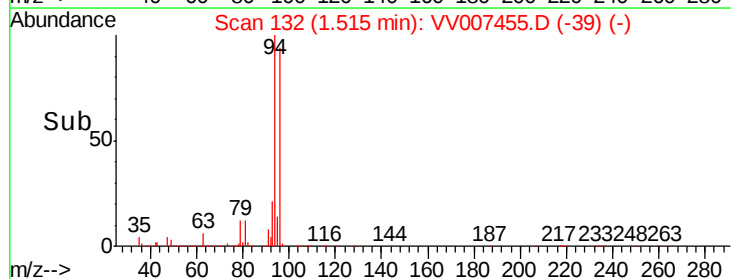
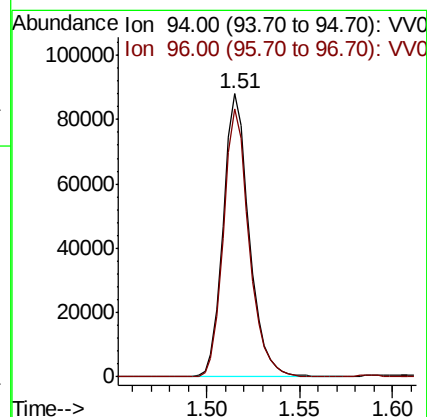
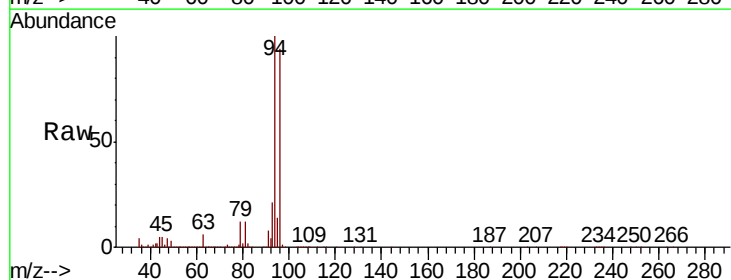
Acq: 07 Sep 2018 10:45

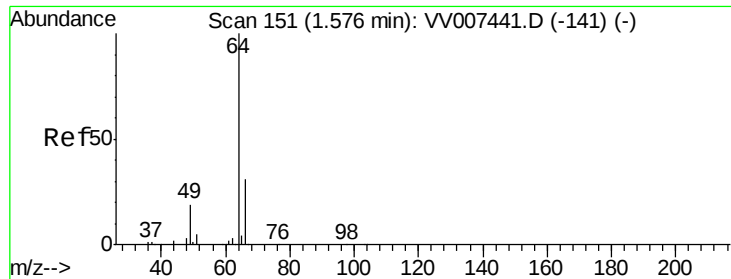
Tgt Ion: 94 Resp: 85406

Ion Ratio Lower Upper

94 100

96 94.5 65.9 122.5





#8

Chloroethane

Concen: 56.549 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

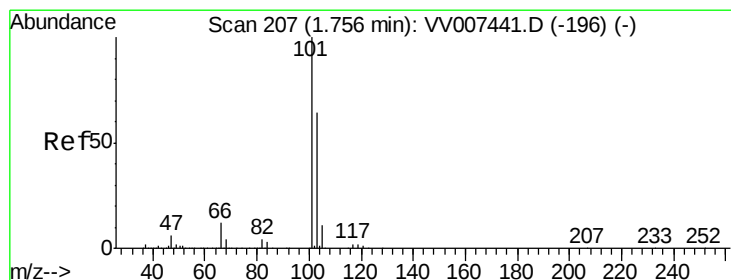
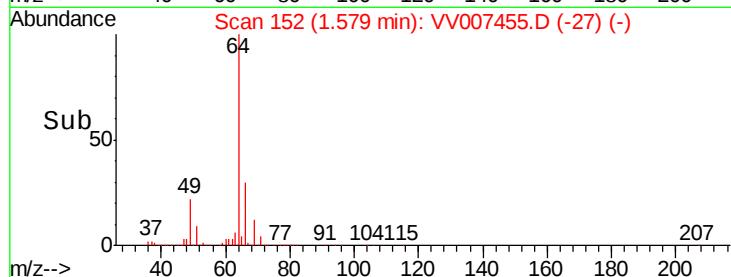
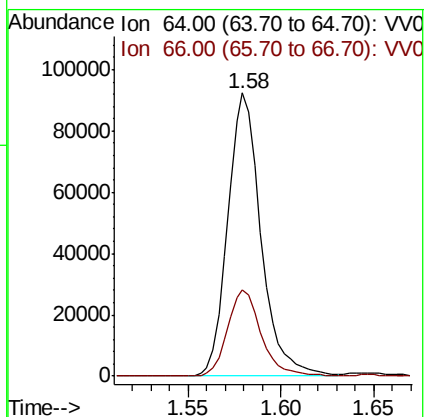
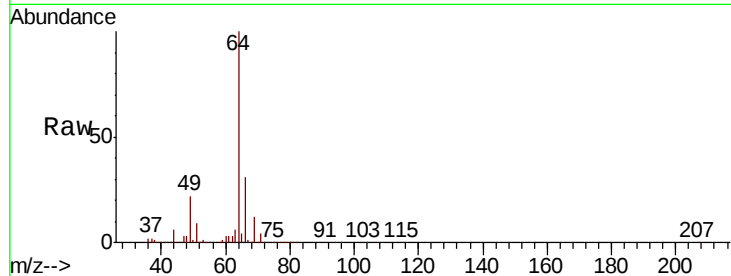
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 115050

Ion Ratio Lower Upper

64 100

66 30.7 22.6 42.0



#9

Trichlorofluoromethane

Concen: 49.521 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV007455.D

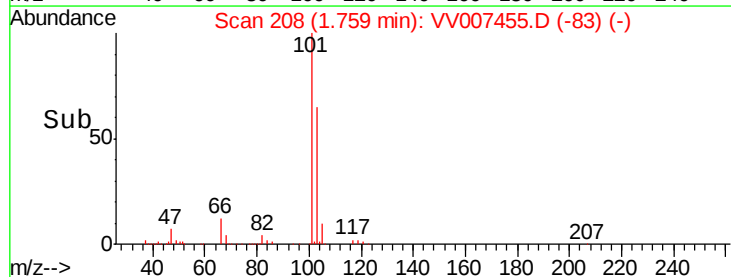
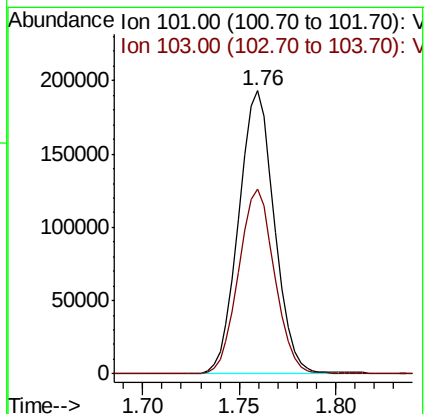
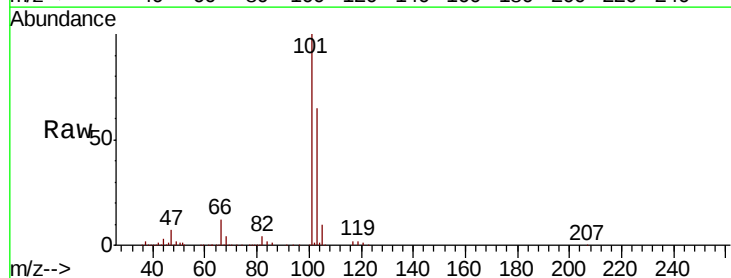
Acq: 07 Sep 2018 10:45

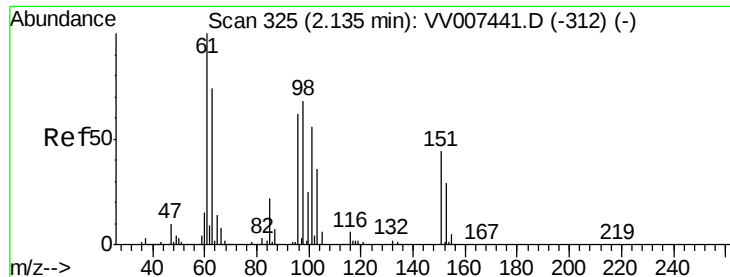
Tgt Ion: 101 Resp: 248540

Ion Ratio Lower Upper

101 100

103 65.9 51.8 77.8





#10

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

Concen: 51.031 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampleId :

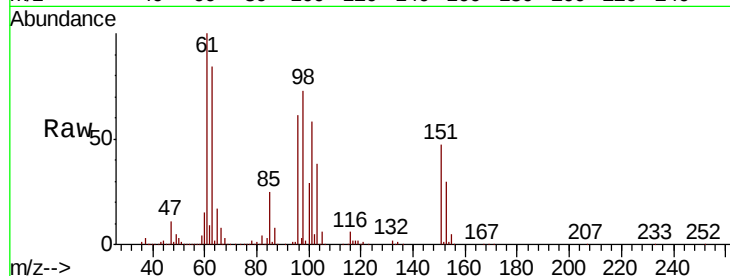
Tot Ion:101 Resp: 159017

Ion Ratio Lower Upper

101 100

85 42.2 32.7 49.1

151 81.2 64.5 96.7



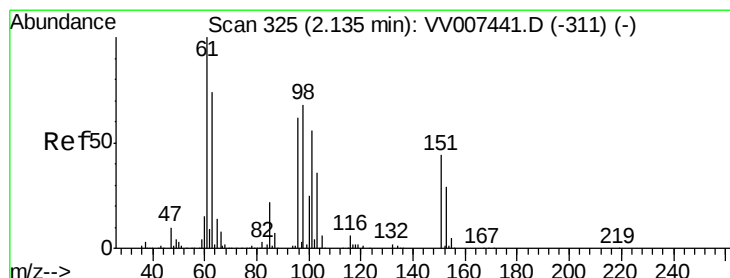
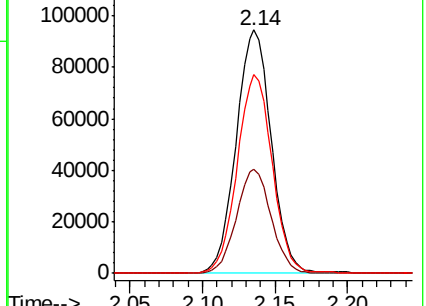
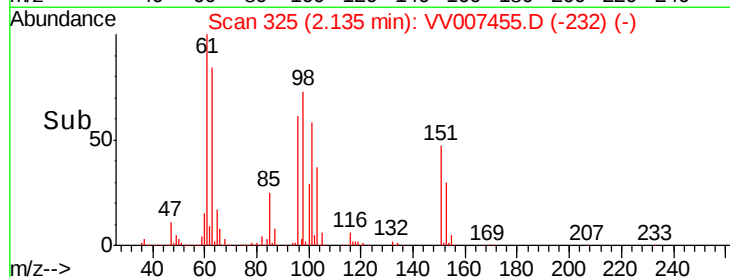
Abundance Ion 101.00 (100.70 to 101.70): VV007441.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV007441.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV007441.D (-312) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 49.243 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

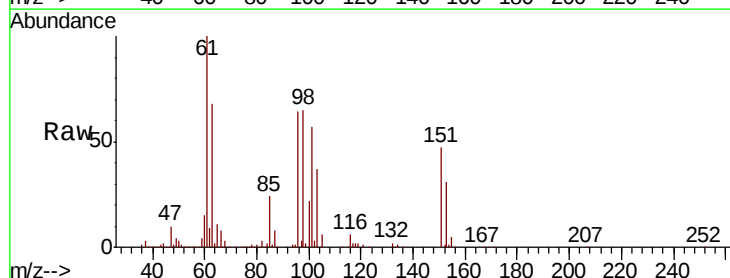
Tgt Ion: 96 Resp: 144657

Ion Ratio Lower Upper

96 100

61 157.5 108.6 201.8

63 106.7 81.5 151.3



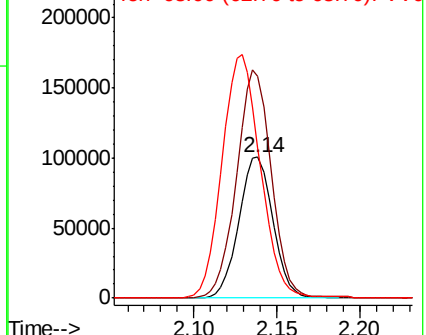
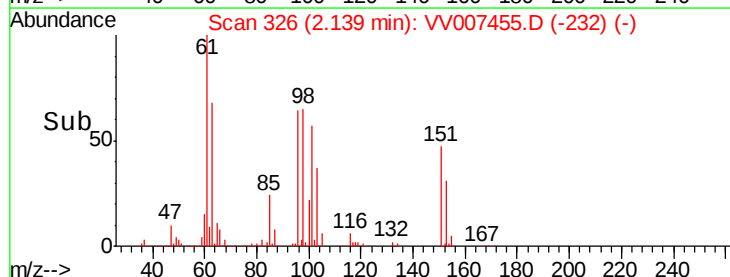
Abundance Ion 96.00 (95.70 to 96.70): VV007455.D (-232) (-)

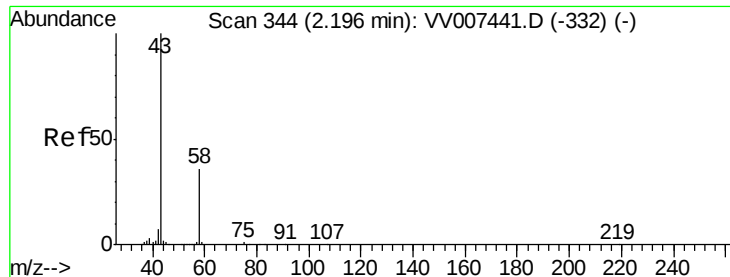
Ion 61.00 (60.70 to 61.70): VV007455.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV007455.D (-232) (-)

2.14

Time-->





#13

Acetone

Concen: 121.082 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

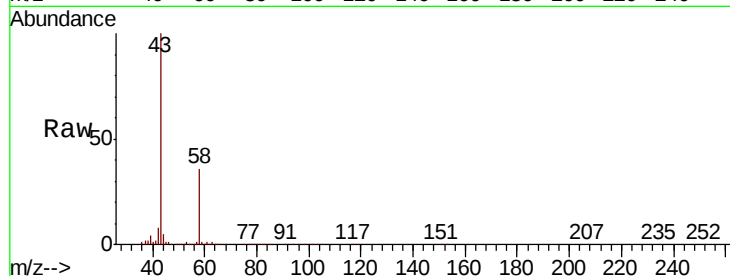
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 194585

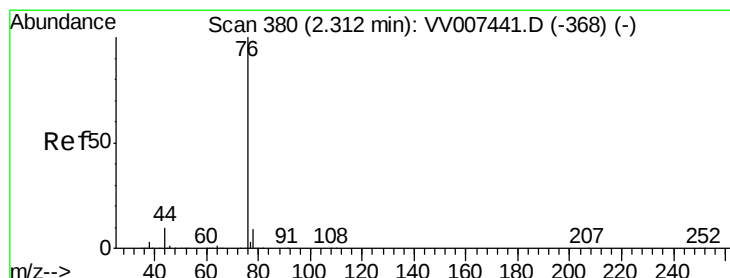
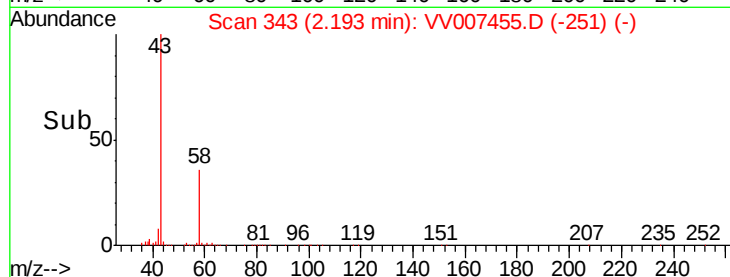
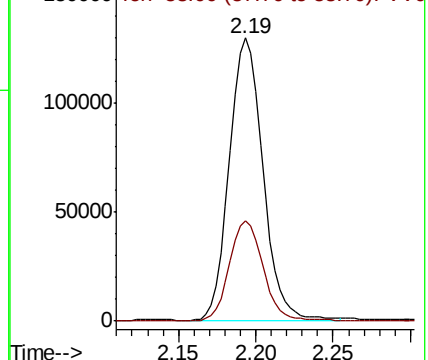
Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 47.634 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV007455.D

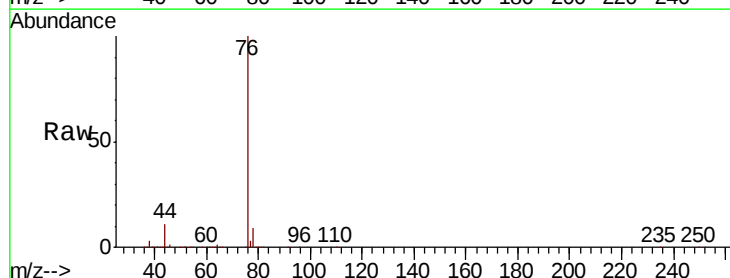
Acq: 07 Sep 2018 10:45

Tgt Ion: 76 Resp: 396496

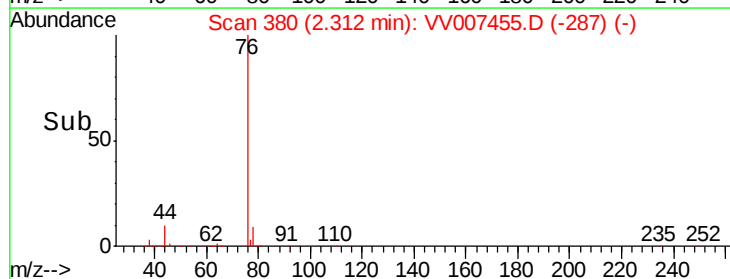
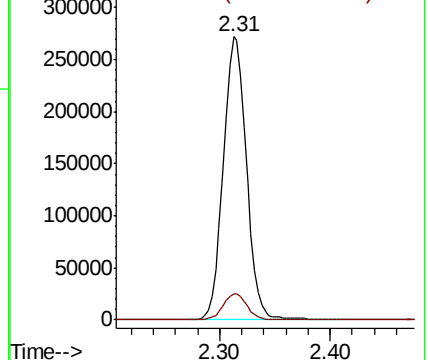
Ion Ratio Lower Upper

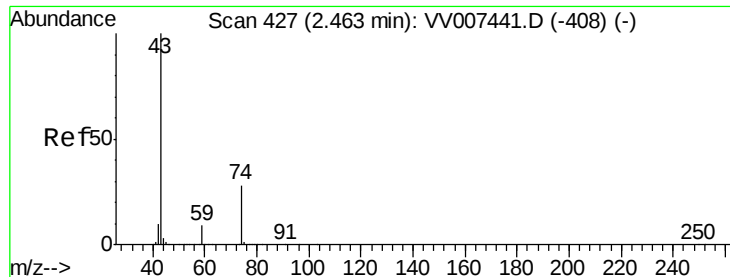
76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0
Ion 78.00 (77.70 to 78.70): VV0

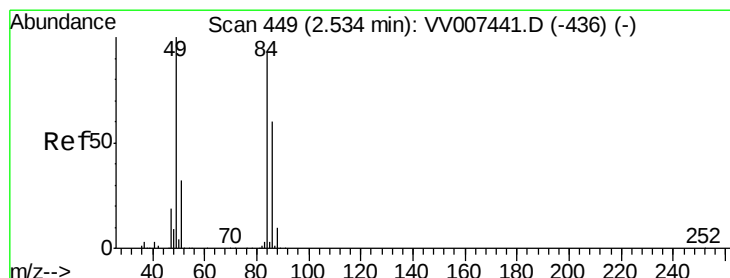
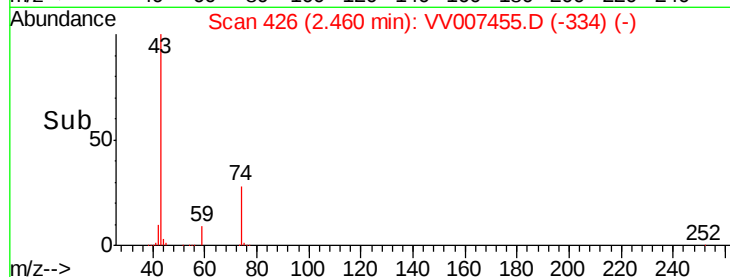
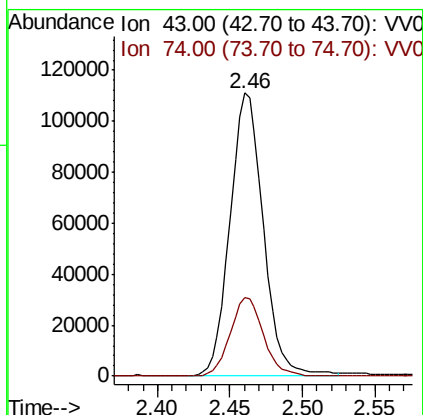
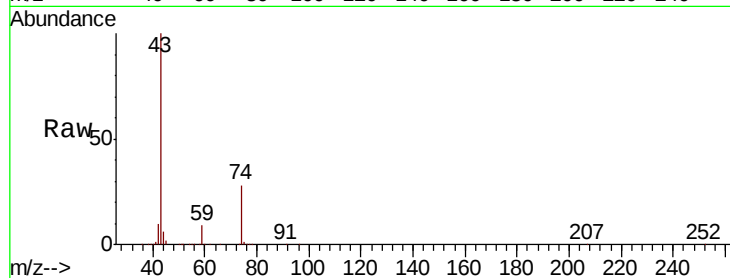




#15
Methvl Acetate
Concen: 50.163 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV007455.D
Acq: 07 Sep 2018 10:45

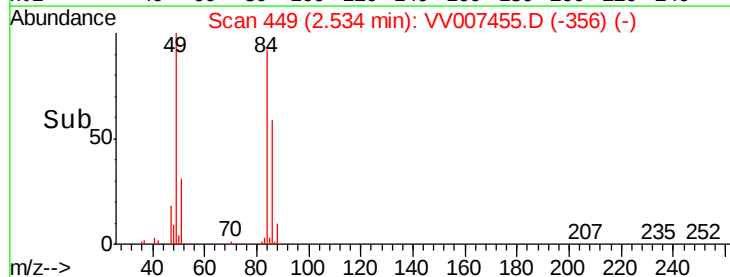
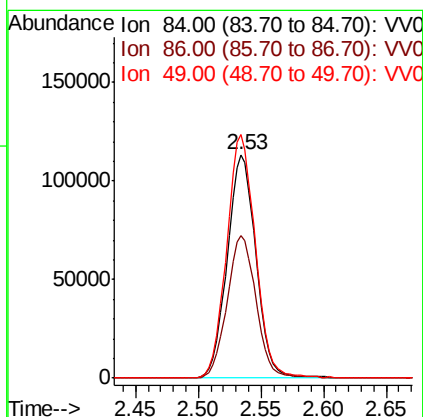
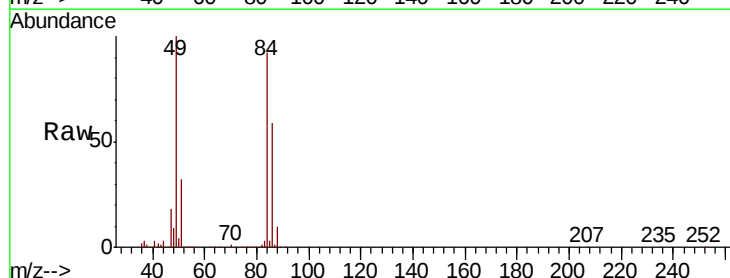
Instrument :
MSVOA_V
ClientSampled :

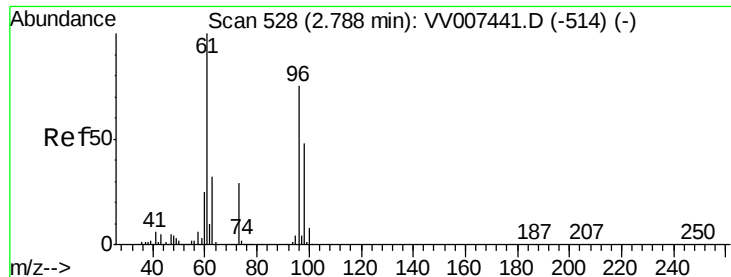
Tot Ion: 43 Resp: 175604
Ion Ratio Lower Upper
43 100
74 27.8 21.5 32.3



#16
Methylene chloride
Concen: 51.811 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV007455.D
Acq: 07 Sep 2018 10:45

Tgt Ion: 84 Resp: 180993
Ion Ratio Lower Upper
84 100
86 63.9 45.3 84.1
49 108.9 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 49.447 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :
MSVOA_V
ClientSampleId :

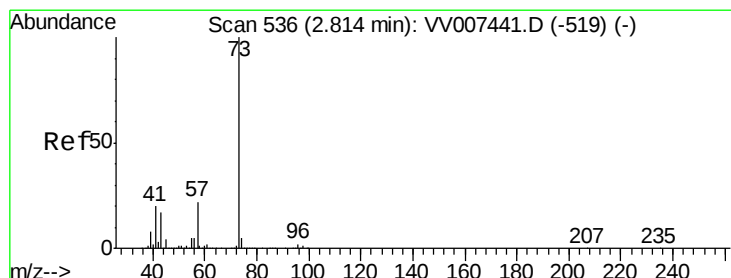
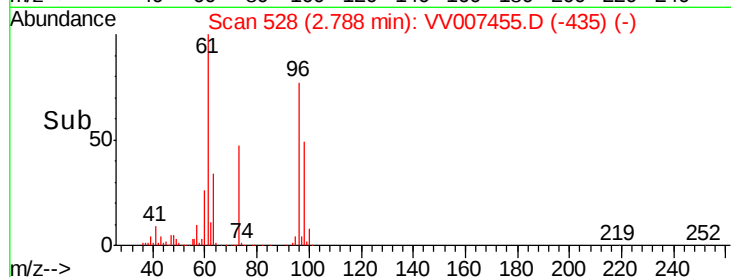
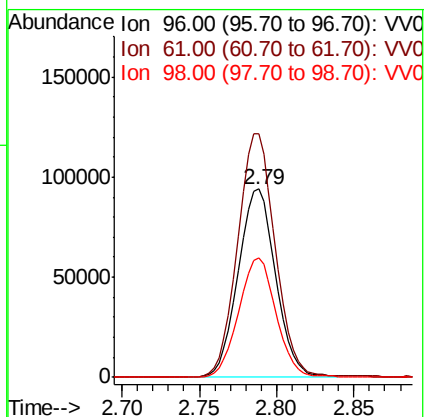
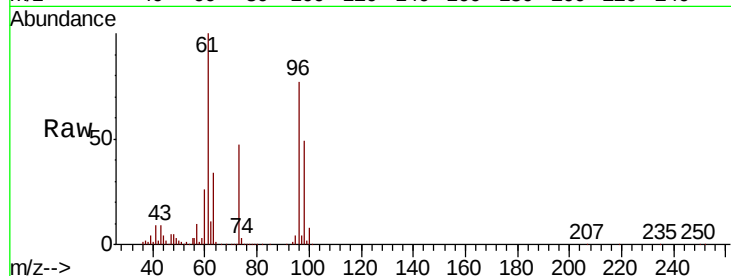
Tot Ion: 96 Resp: 158458

Ion Ratio Lower Upper

96 100

61 129.1 93.1 172.9

98 63.4 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 53.609 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

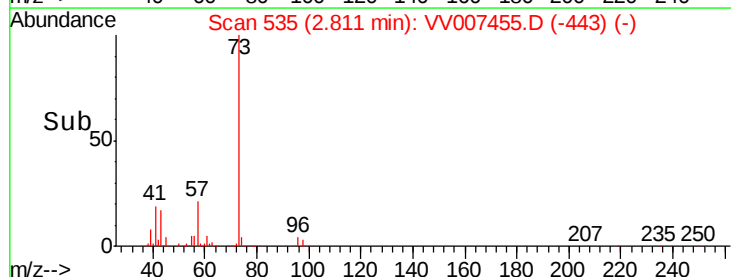
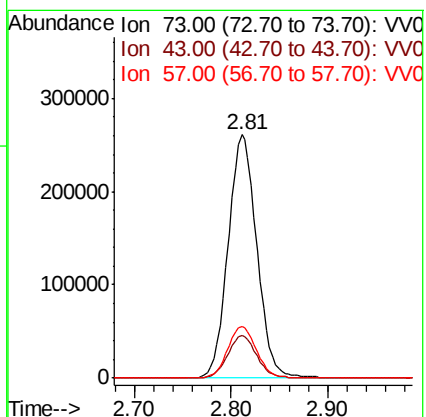
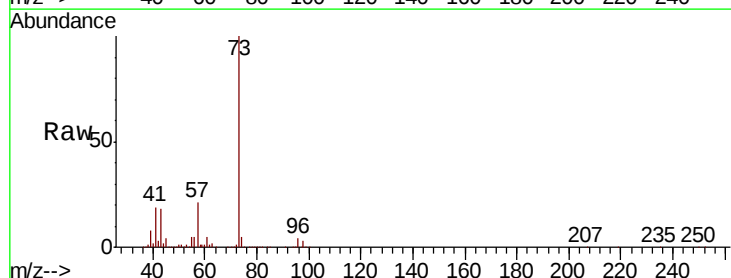
Tgt Ion: 73 Resp: 538039

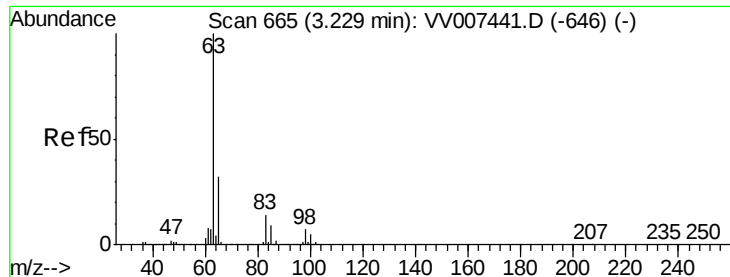
Ion Ratio Lower Upper

73 100

43 17.3 13.4 20.2

57 21.2 17.0 25.4

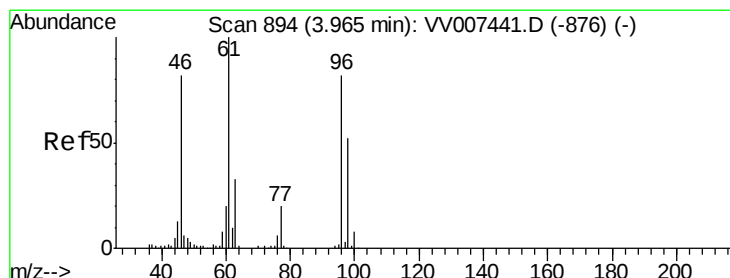
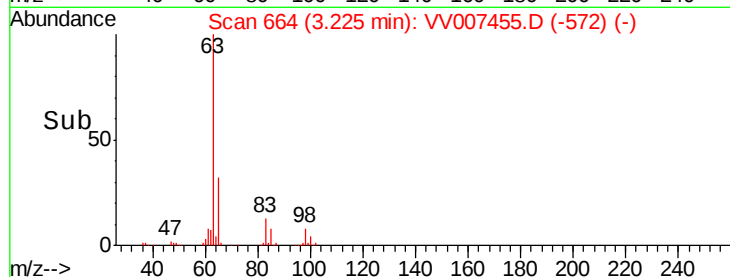
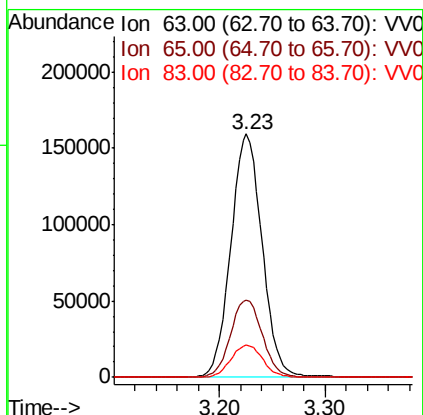
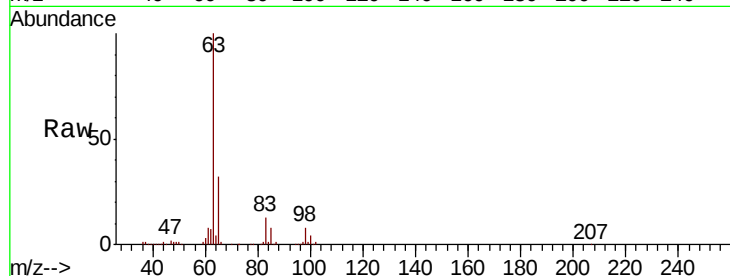




#19
 1,1-Dichloroethane
 Concen: 49.367 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

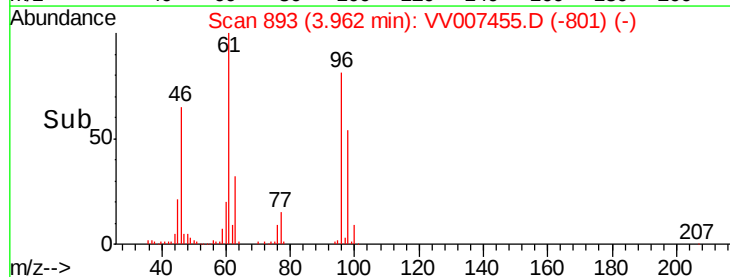
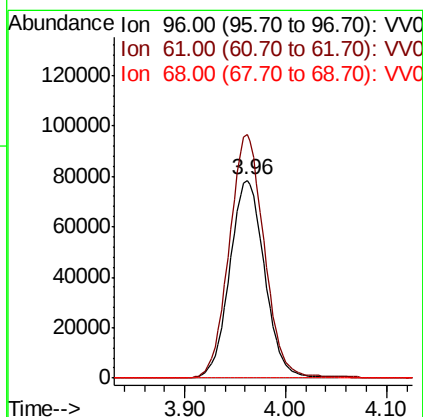
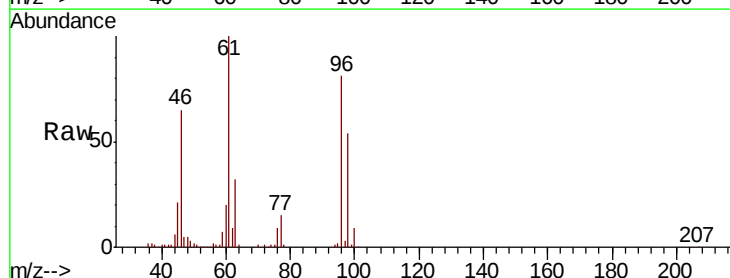
Instrument :
 MSVOA_V
 ClientSampleId :

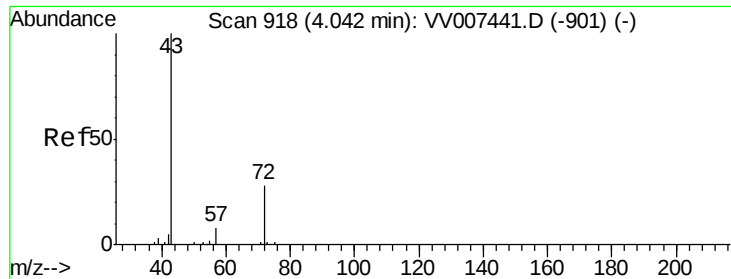
Tot Ion	63	Resp	327653
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.5	41.9
83	13.1	9.0	16.8



#20
 cis-1,2-Dichloroethene
 Concen: 51.145 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Tgt Ion	96	Resp	188610
Ion	Ratio	Lower	Upper
96	100		
61	123.0	86.8	161.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 108.057 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.01 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

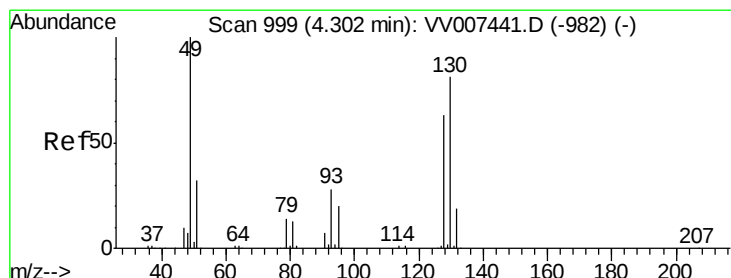
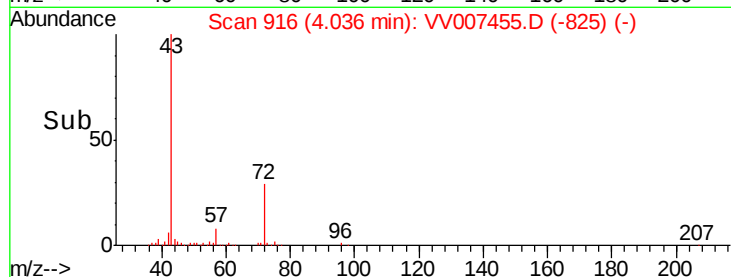
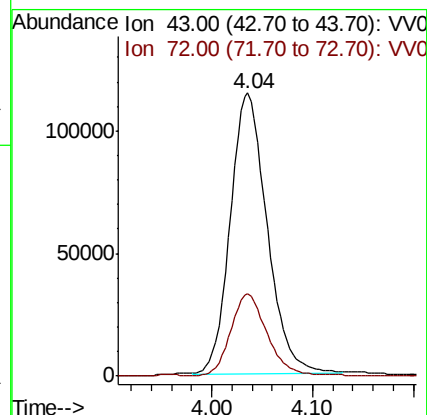
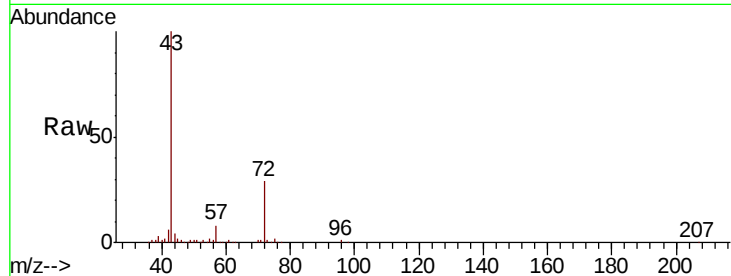
ClientSampled :

Tot Ion: 43 Resp: 290834

Ion Ratio Lower Upper

43 100

72 28.5 13.8 41.3



#23

Bromochloromethane

Concen: 52.394 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Tgt Ion: 128 Resp: 101093

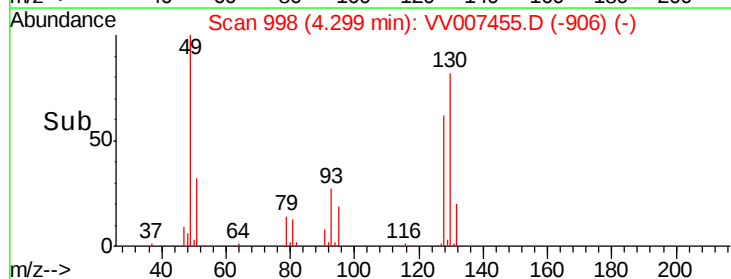
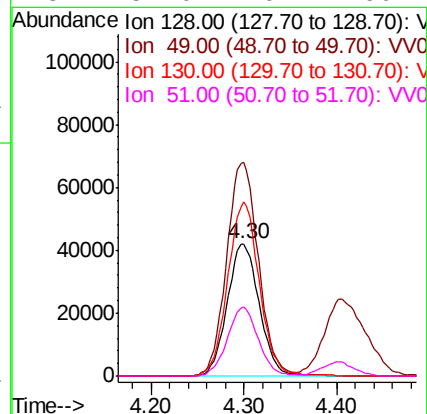
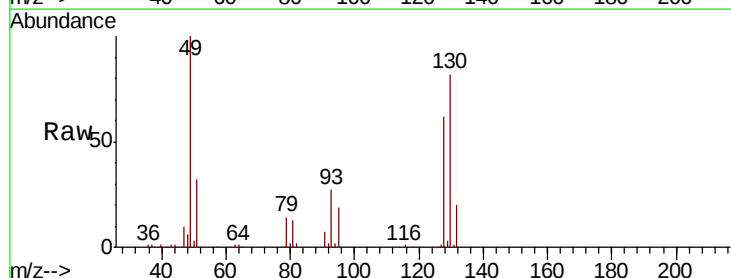
Ion Ratio Lower Upper

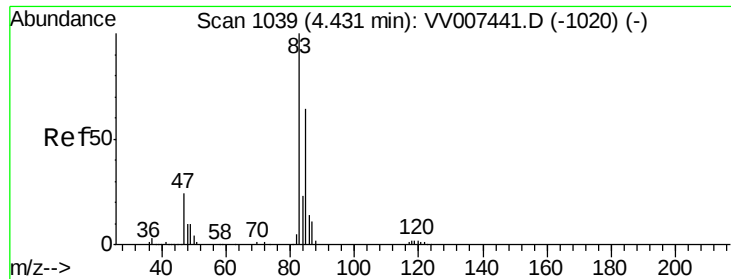
128 100

49 161.5 111.2 206.4

130 131.9 89.1 165.5

51 52.0 40.1 60.1





#25

Chloroform

Concen: 52.256 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

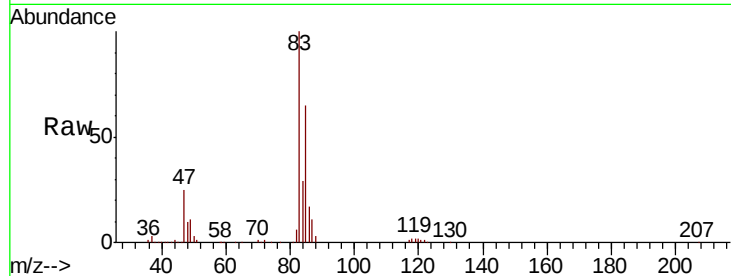
ClientSampleId :

Tot Ion: 83 Resp: 341380

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV007441.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV007441.D (-1020) (-)

4.43

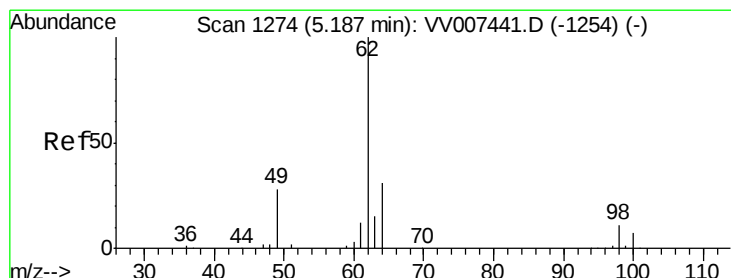
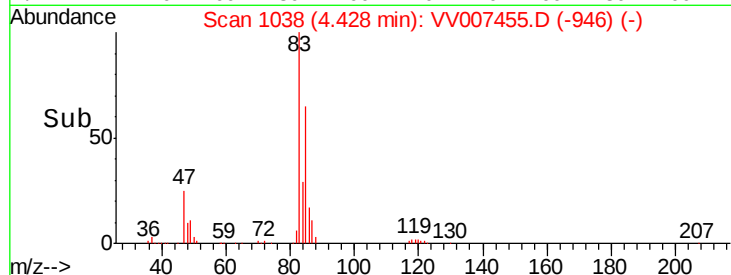
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 52.224 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VV007455.D

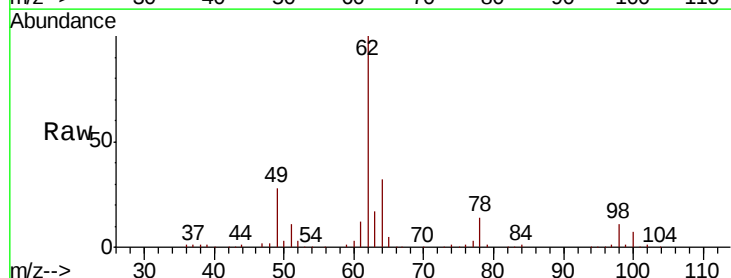
Acq: 07 Sep 2018 10:45

Tgt Ion: 62 Resp: 255453

Ion Ratio Lower Upper

62 100

98 11.3 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VV007441.D (-1254) (-)

Ion 98.00 (97.70 to 98.70): VV007441.D (-1254) (-)

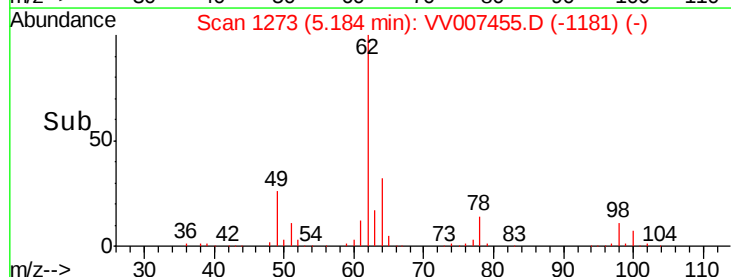
5.18

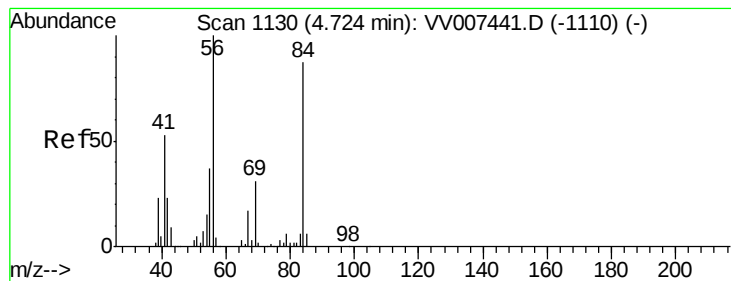
100000

50000

0

Time-->





#29

Cvclohexane

Concen: 46.793 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampleId :

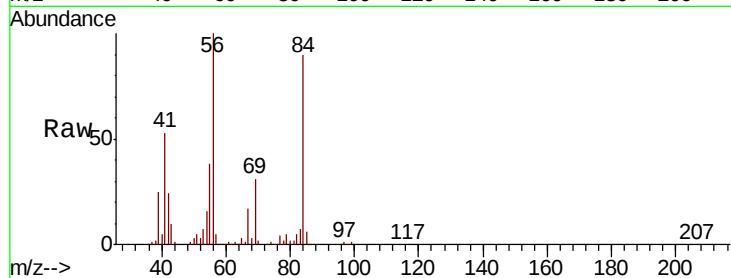
Tot Ion: 56 Resp: 244560

Ion Ratio Lower Upper

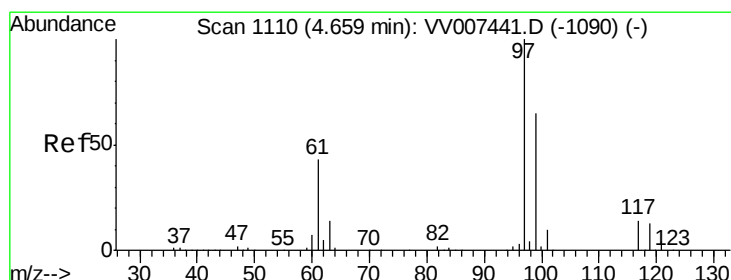
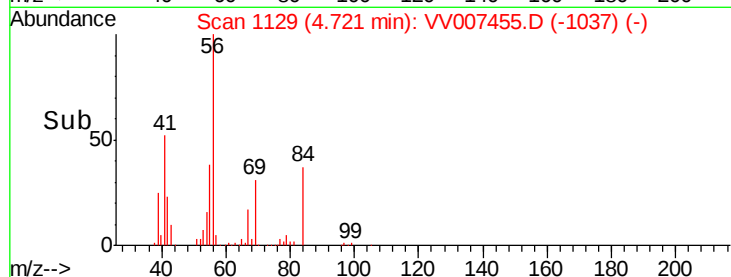
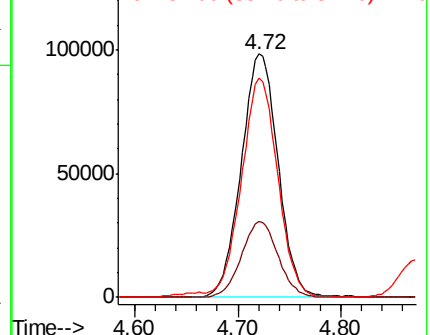
56 100

69 31.0 24.5 36.7

84 88.4 70.6 105.8



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: 47.960 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

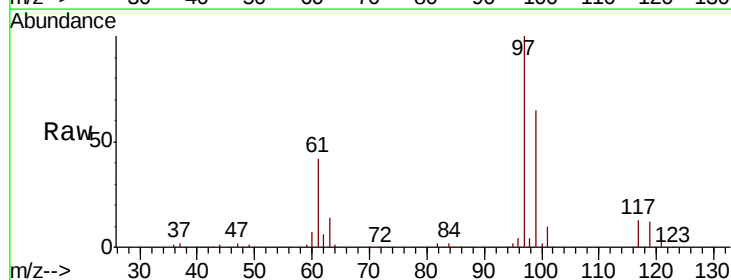
Tgt Ion: 97 Resp: 276114

Ion Ratio Lower Upper

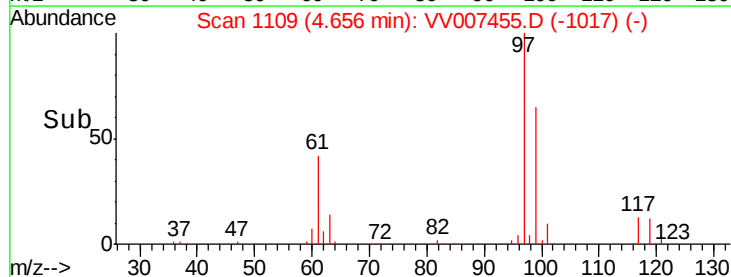
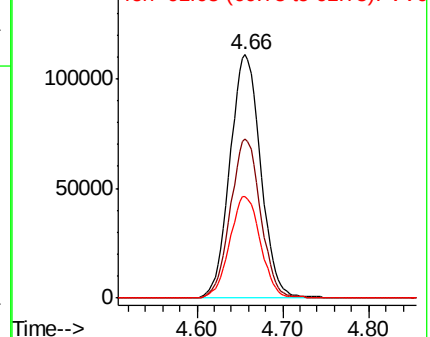
97 100

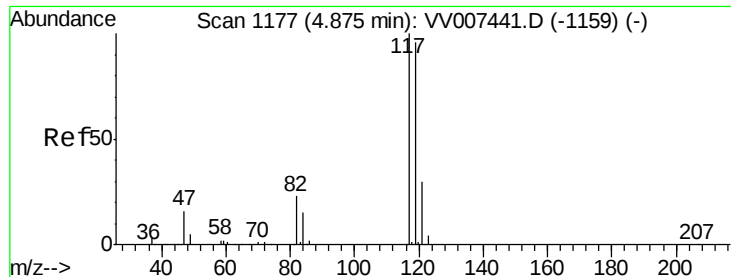
99 64.0 52.1 78.1

61 41.6 34.6 51.8



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



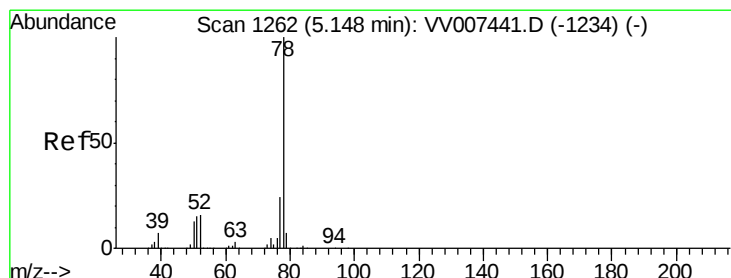
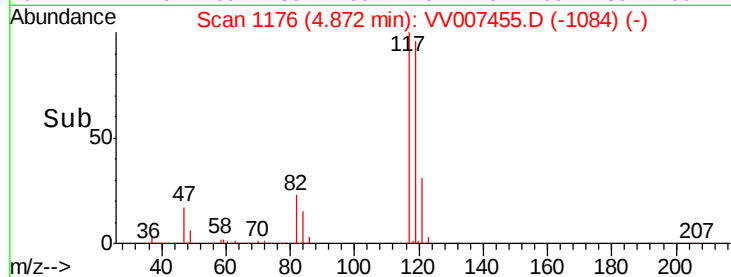
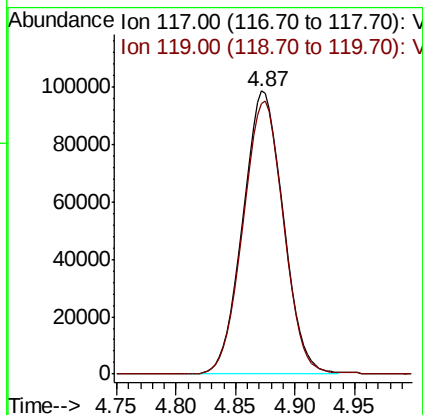
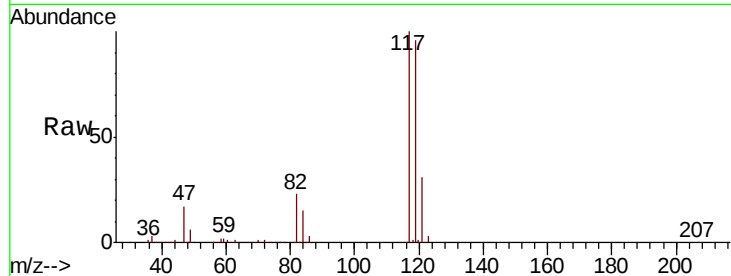


#31

Carbon tetrachloride
 Concen: 46.612 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Instrument :
 MSVOA_V
 ClientSampled :

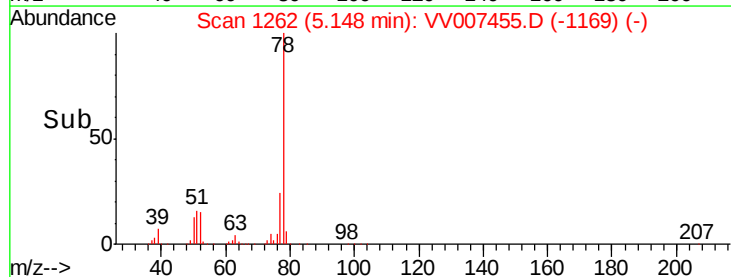
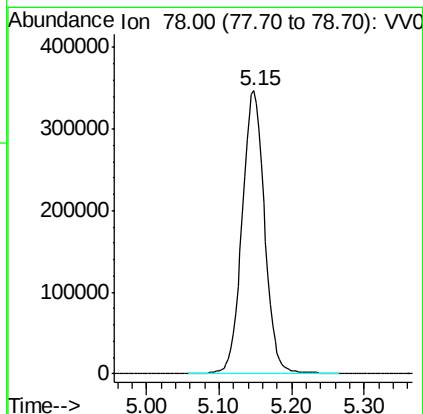
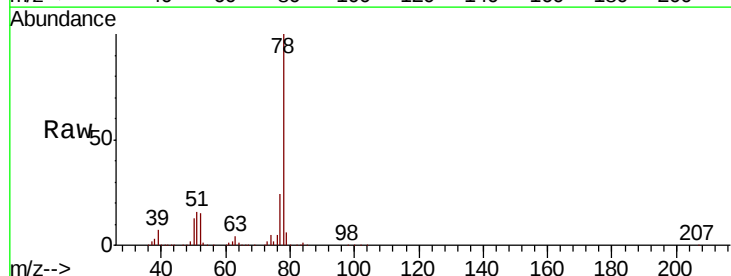
Tot Ion:117 Resp: 232283
 Ion Ratio Lower Upper
 117 100
 119 96.9 76.7 115.1

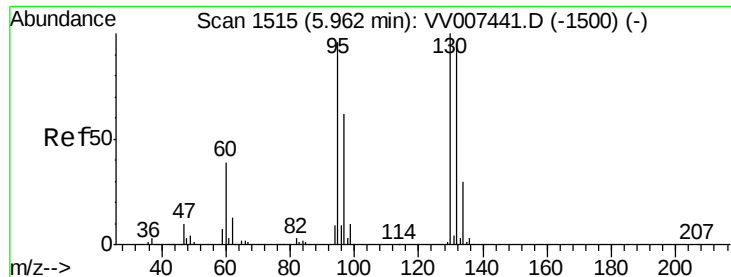


#33

Benzene
 Concen: 49.763 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Tgt Ion: 78 Resp: 750377





#34

Trichloroethene

Concen: 46.433 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 170926

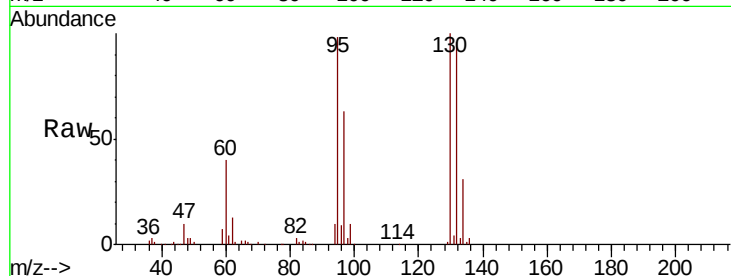
Ion Ratio Lower Upper

95 100

97 64.1 46.1 85.7

132 98.0 70.8 131.6

130 102.0 73.9 137.3

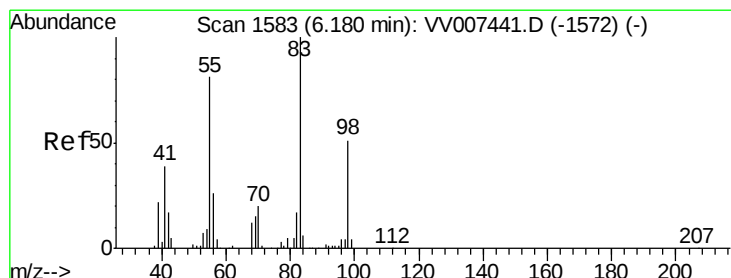
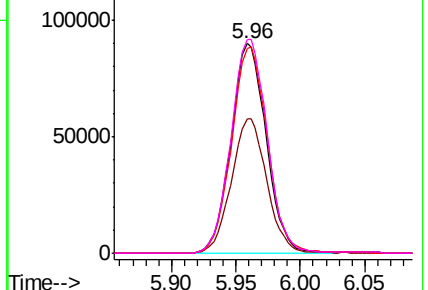
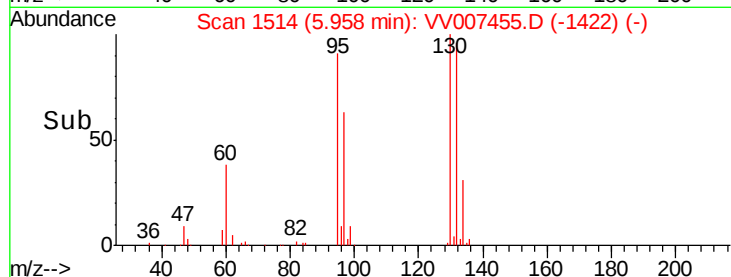


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.980 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

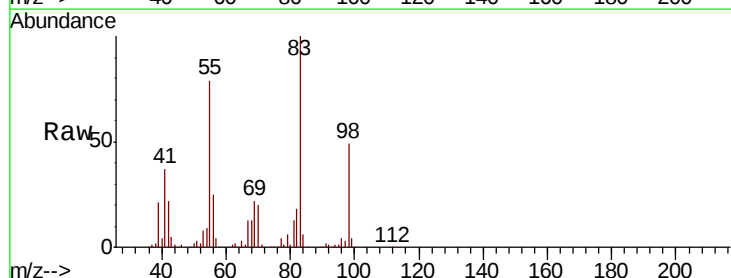
Tgt Ion: 83 Resp: 268862

Ion Ratio Lower Upper

83 100

55 79.8 63.0 94.4

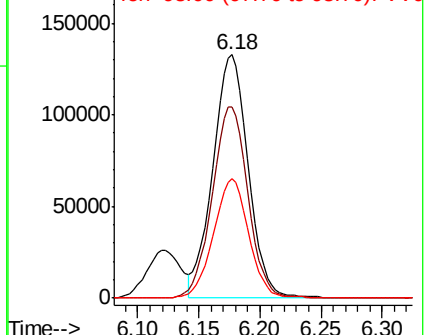
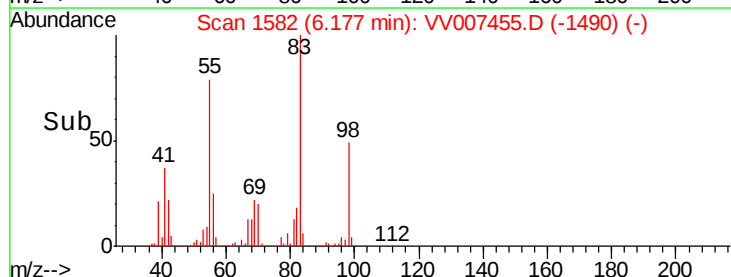
98 48.0 39.0 58.6

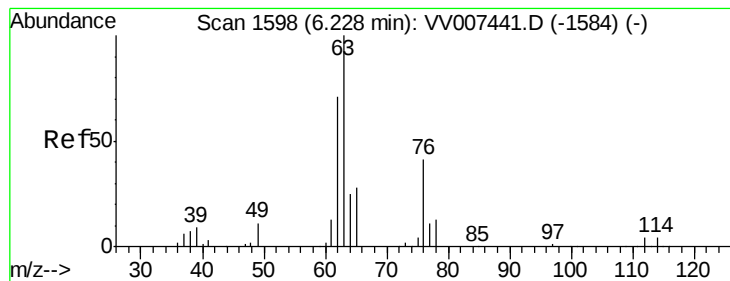


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.540 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

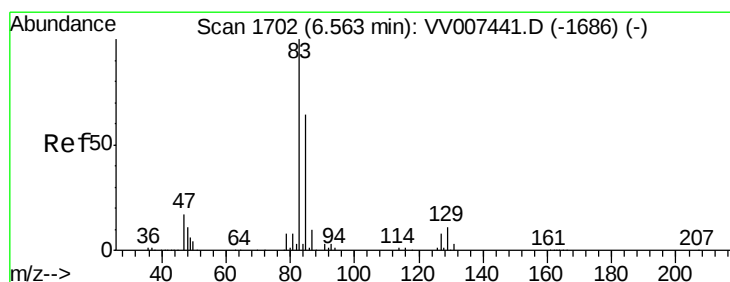
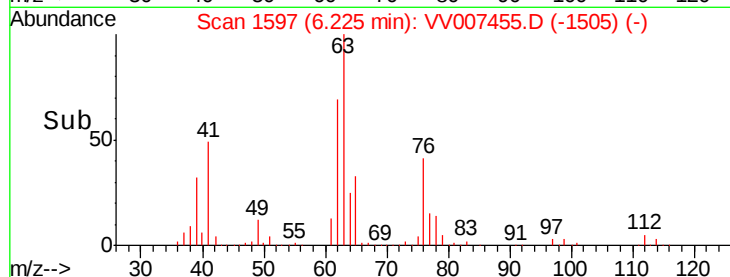
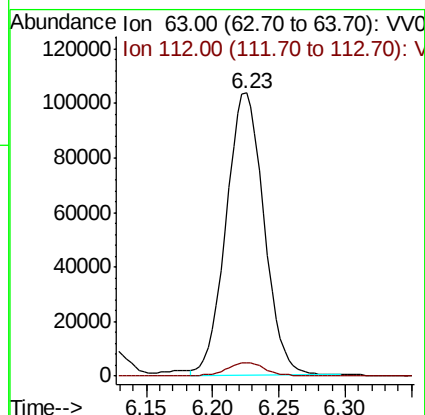
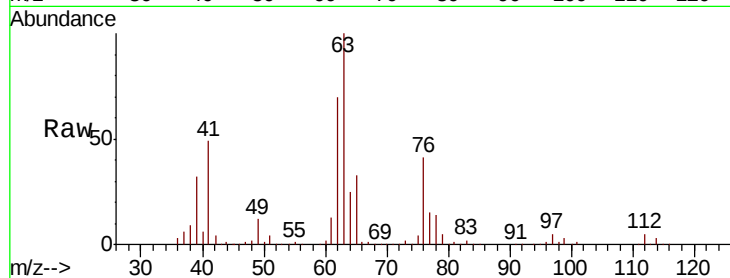
ClientSampleId :

Tot Ion: 63 Resp: 205295

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 49.889 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

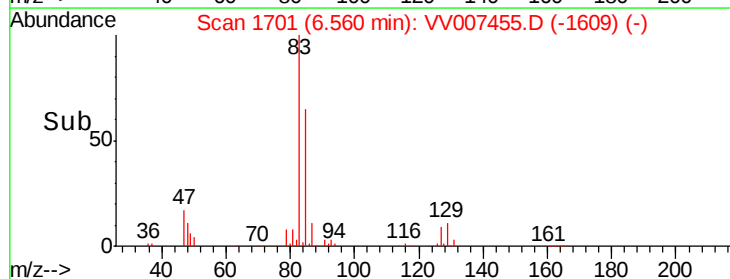
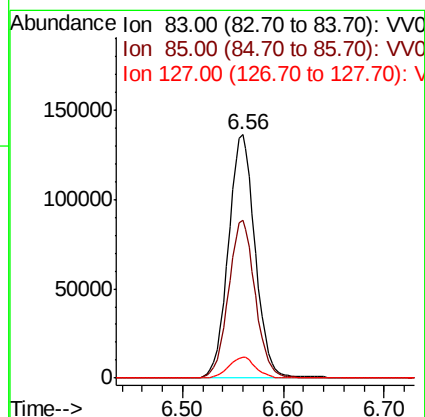
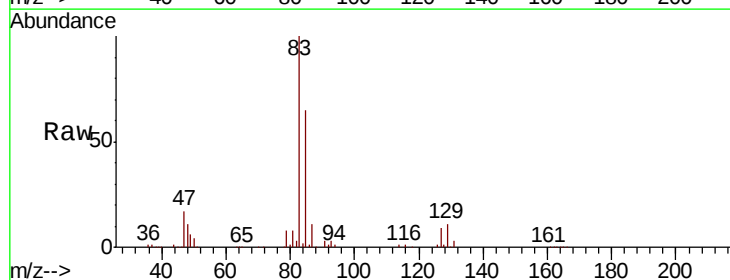
Tgt Ion: 83 Resp: 252439

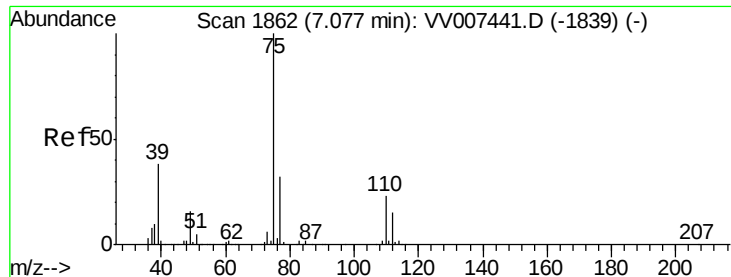
Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

127 8.5 6.9 10.3

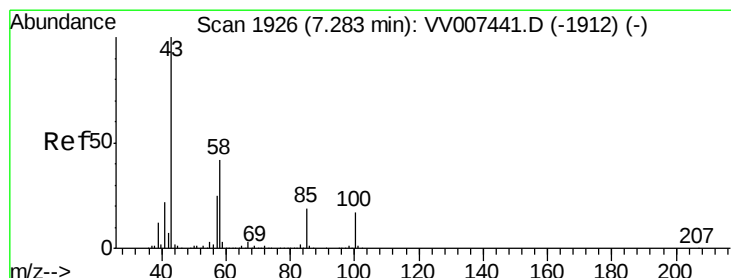
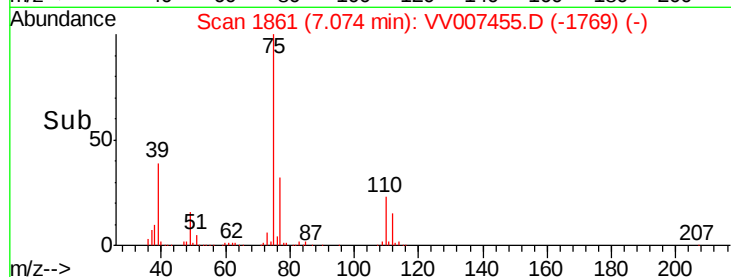
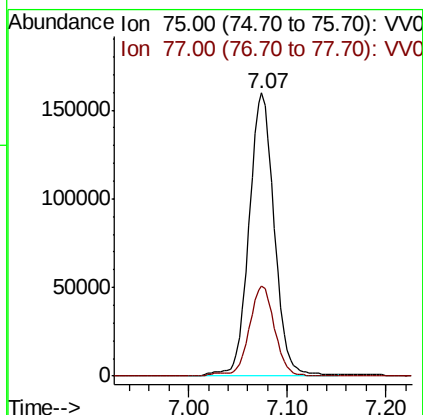
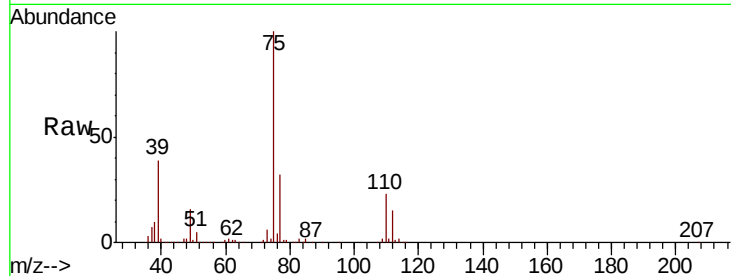




#39
 cis-1,3-Dichloropropene
 Concen: 50.679 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

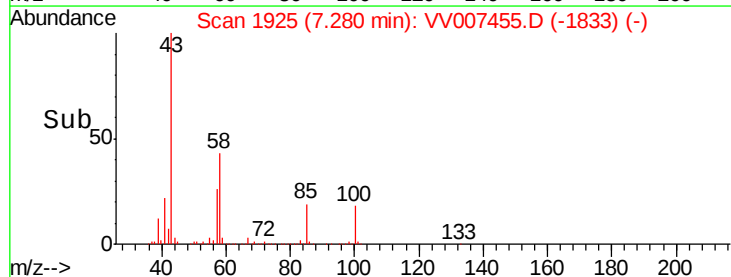
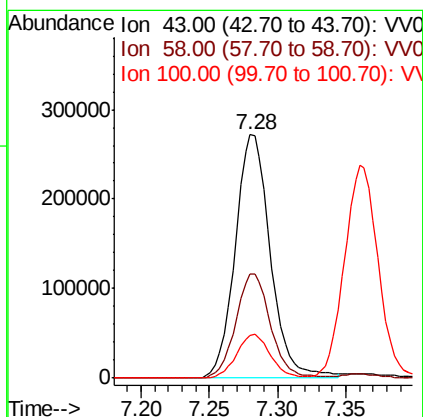
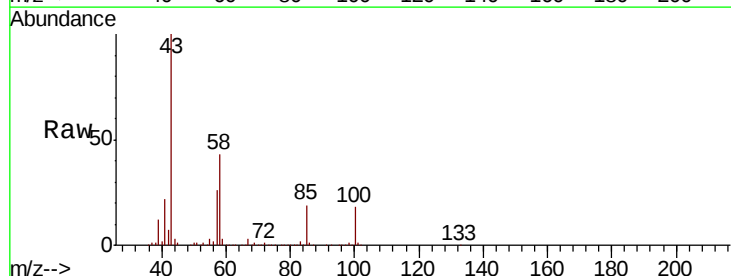
Instrument :
 MSVOA_V
 ClientSampleId :

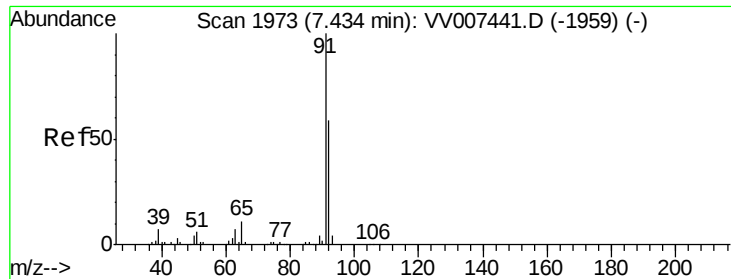
Tot Ion: 75 Resp: 282010
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 101.723 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Tgt Ion: 43 Resp: 486971
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.9 49.3
 100 17.2 13.3 19.9





#42

Toluene

Concen: 53.376 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

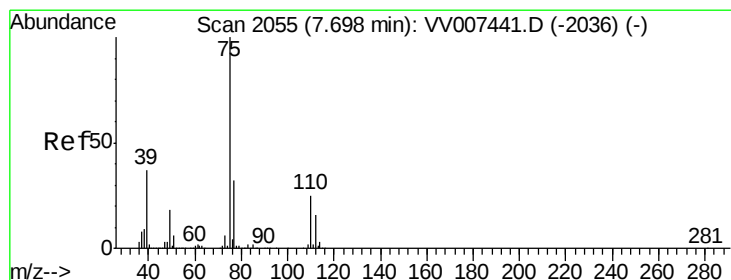
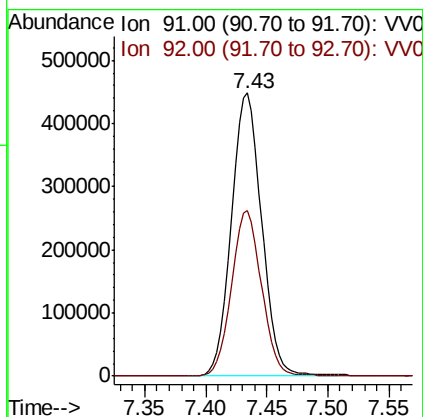
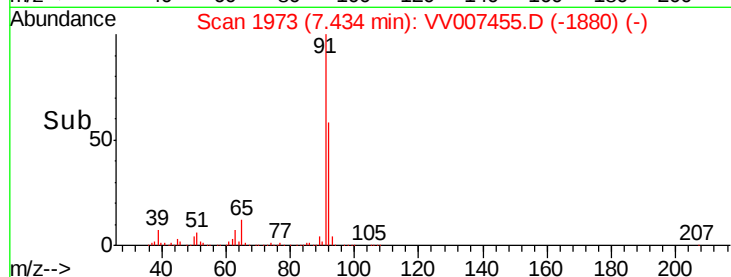
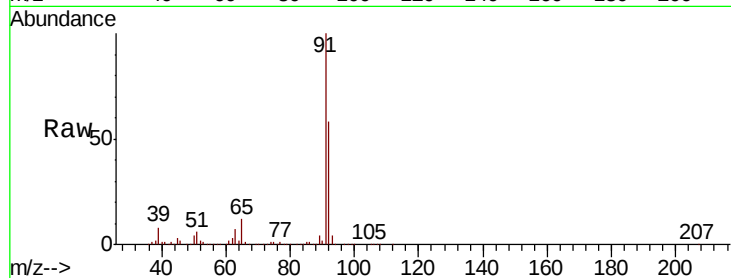
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 774279

Ion Ratio Lower Upper

91 100

92 58.3 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 52.146 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007455.D

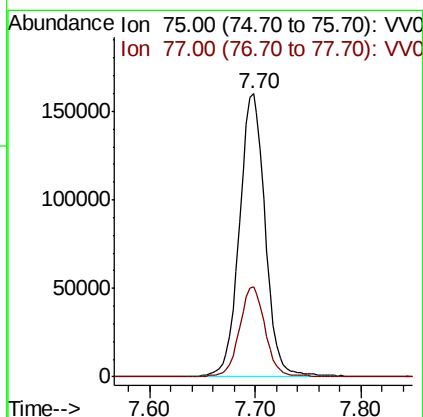
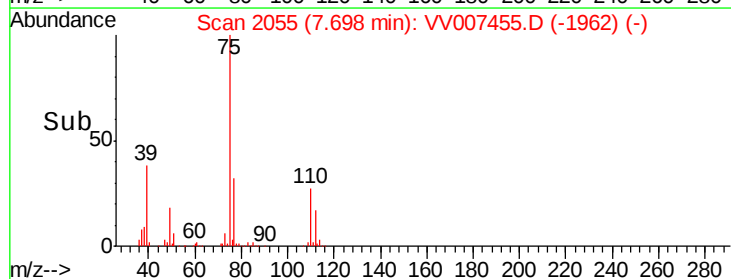
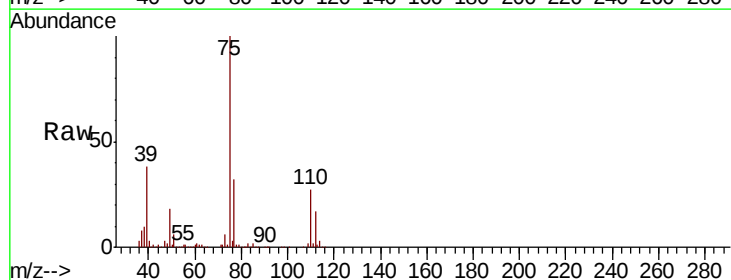
Acq: 07 Sep 2018 10:45

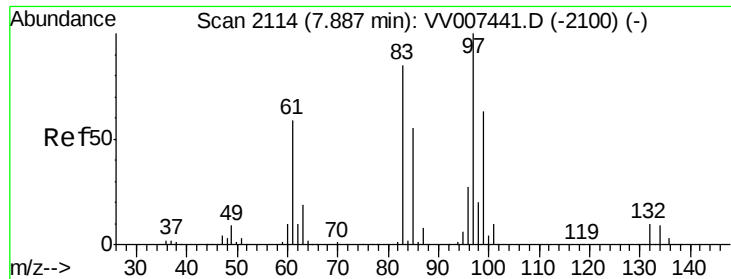
Tgt Ion: 75 Resp: 271325

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7

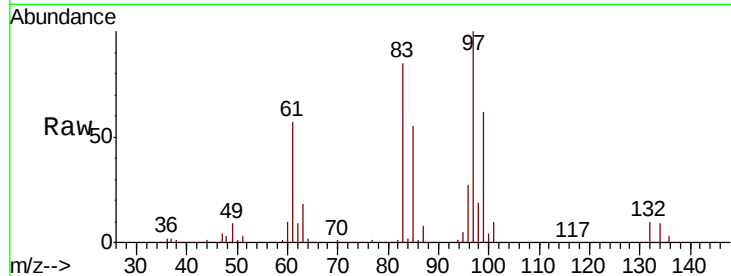




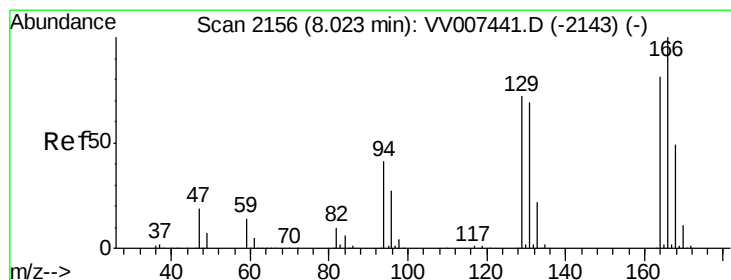
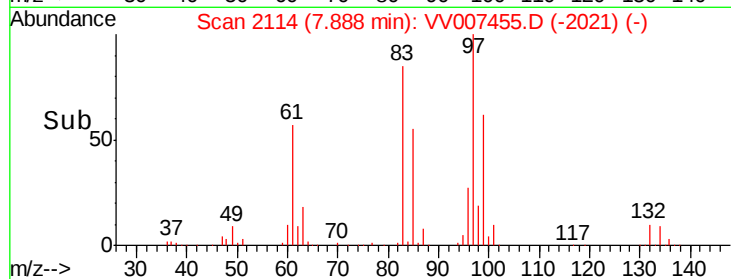
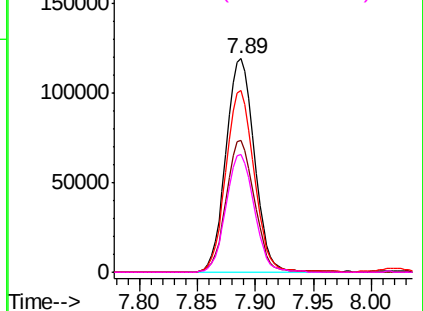
#45
 1,1,2-Trichloroethane
 Concen: 51.925 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	203088
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.0	81.6
83	85.4	60.1	111.5
85	55.1	38.4	71.2

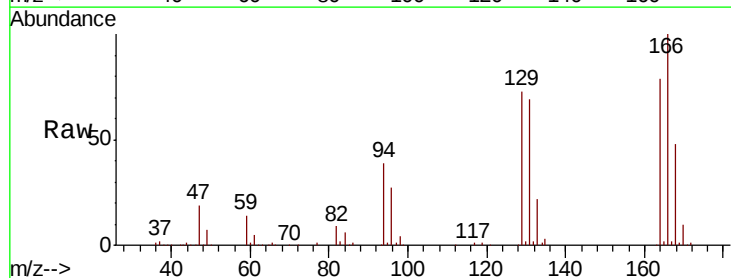


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

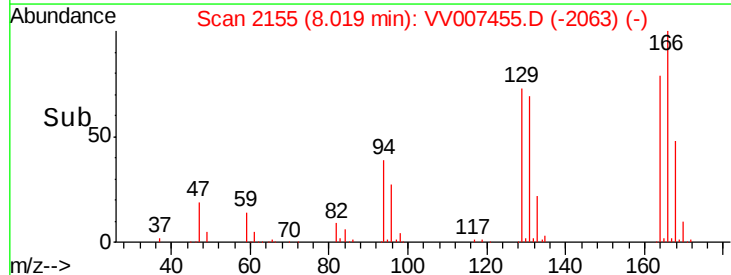
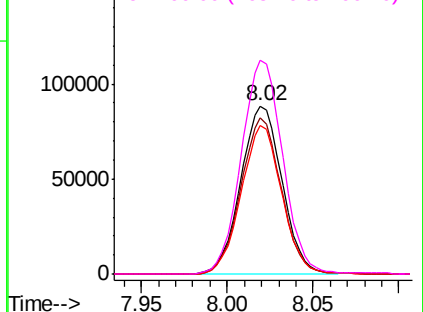


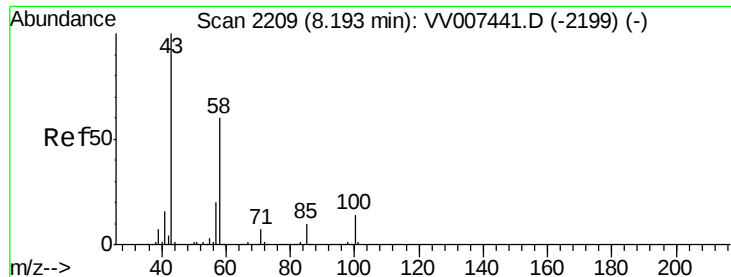
#46
 Tetrachloroethene
 Concen: 49.860 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Tgt Ion:	164	Resp:	147586
Ion	Ratio	Lower	Upper
164	100		
129	92.7	63.9	118.7
131	88.3	62.6	116.2
166	127.2	91.6	170.2



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

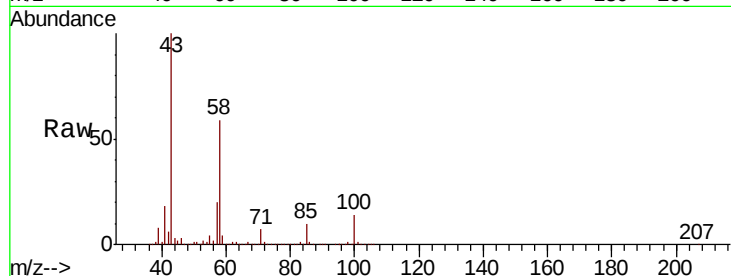




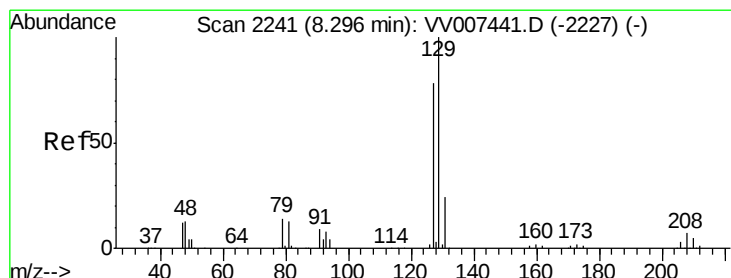
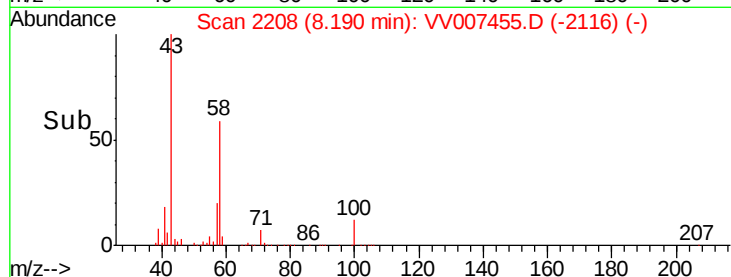
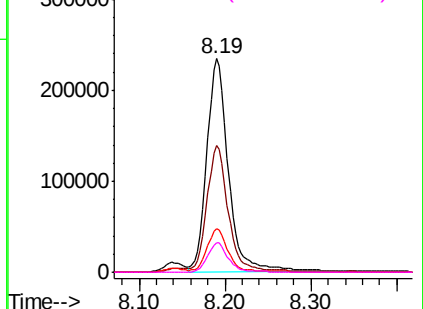
#48
2-Hexanone
Concen: 110.210 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007455.D
Acq: 07 Sep 2018 10:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 411466
Ion Ratio Lower Upper
43 100
58 56.0 48.6 72.8
57 20.0 16.2 24.2
100 13.5 11.1 16.7

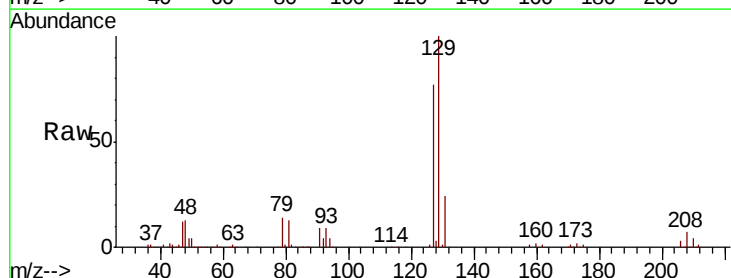


Abundance Ion 43.00 (42.70 to 43.70): VV007441.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VV007441.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VV007441.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VV007441.D (-2199) (-)

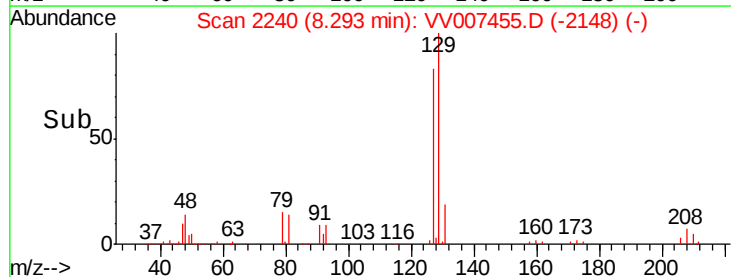
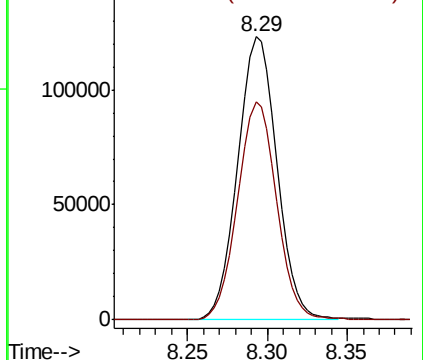


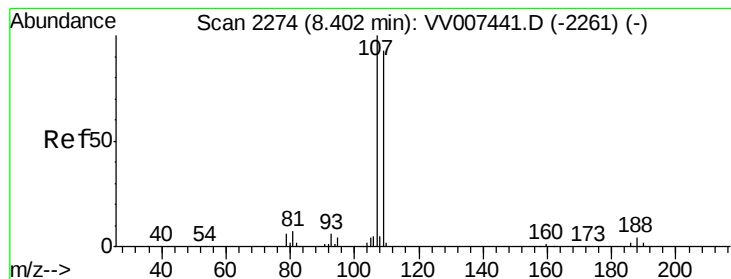
#49
Dibromochloromethane
Concen: 51.282 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007455.D
Acq: 07 Sep 2018 10:45

Tgt Ion: 129 Resp: 205730
Ion Ratio Lower Upper
129 100
127 77.0 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): VV007441.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV007441.D (-2227) (-)





#50

1,2-Dibromoethane

Concen: 50.901 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampleId :

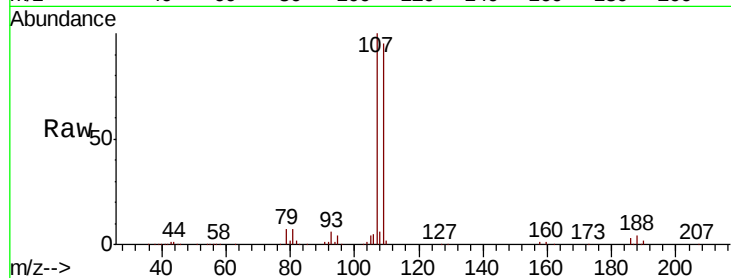
Tot Ion:107 Resp: 194440

Ion Ratio Lower Upper

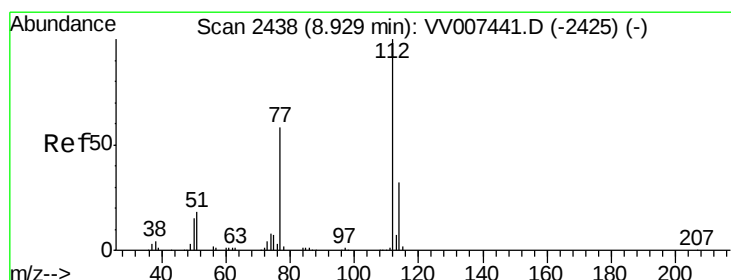
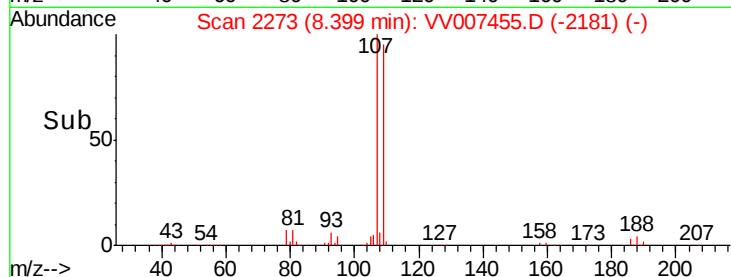
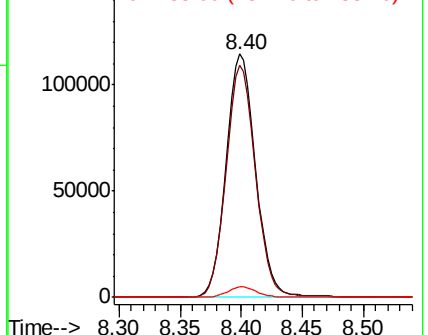
107 100

109 95.4 64.8 120.3

188 4.2 3.1 4.7



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: 51.451 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

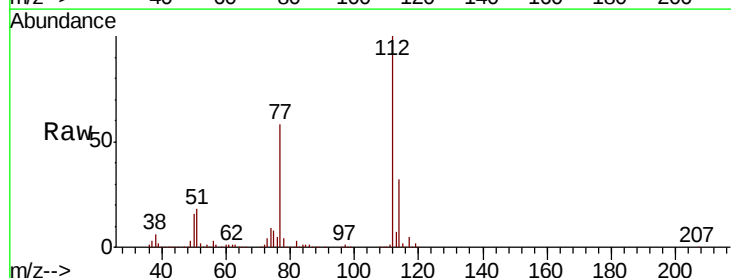
Tgt Ion:112 Resp: 503993

Ion Ratio Lower Upper

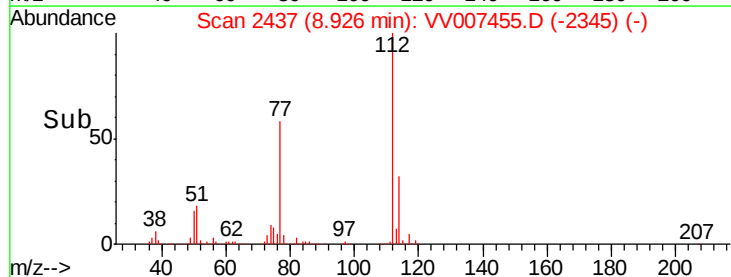
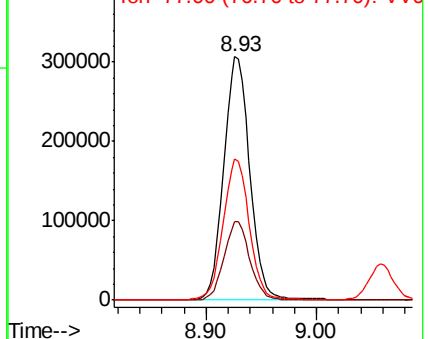
112 100

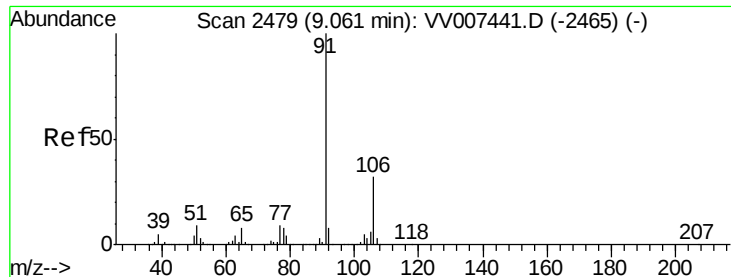
114 32.4 22.5 41.7

77 57.9 46.5 69.7



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





#52

Ethylbenzene

Concen: 53.267 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

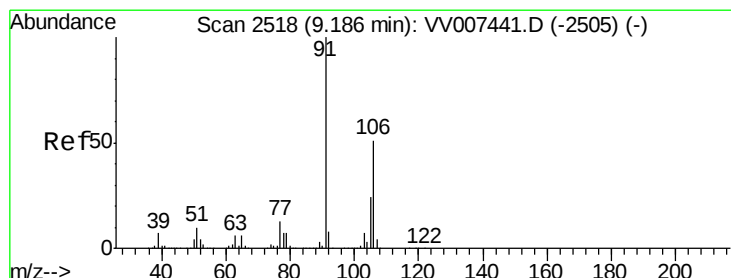
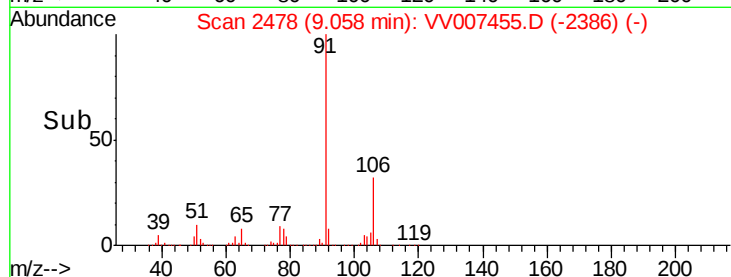
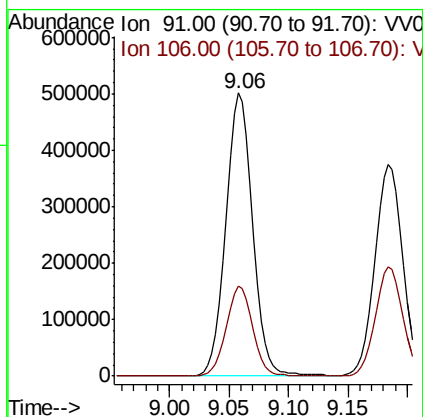
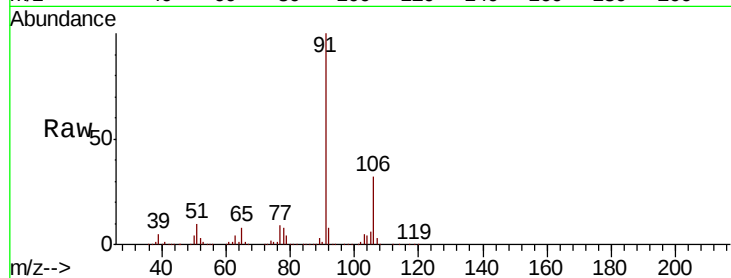
ClientSampleId :

Tot Ion: 91 Resp: 783600

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.4



#53

m,p-Xylene

Concen: 54.983 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007455.D

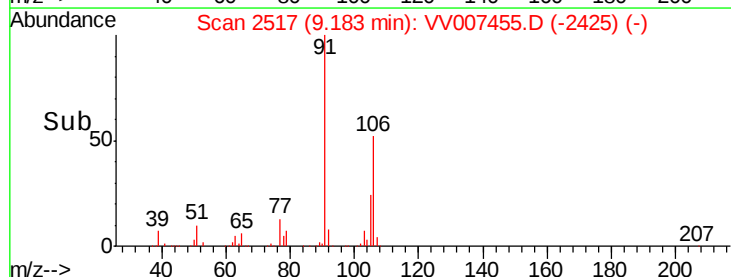
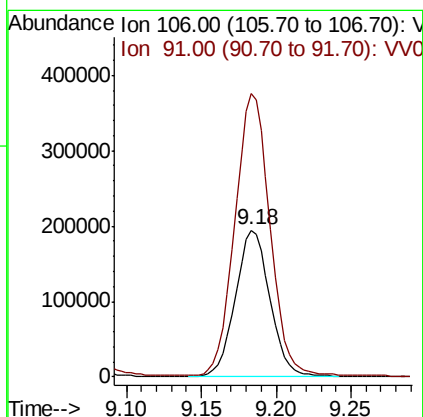
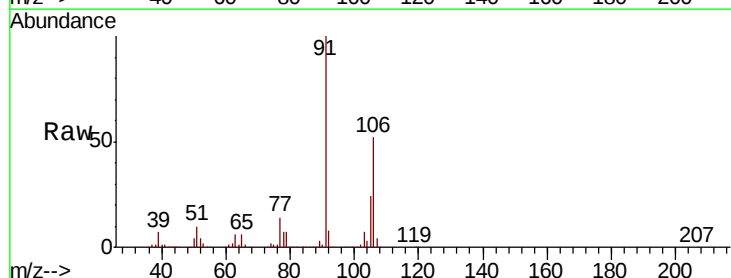
Acq: 07 Sep 2018 10:45

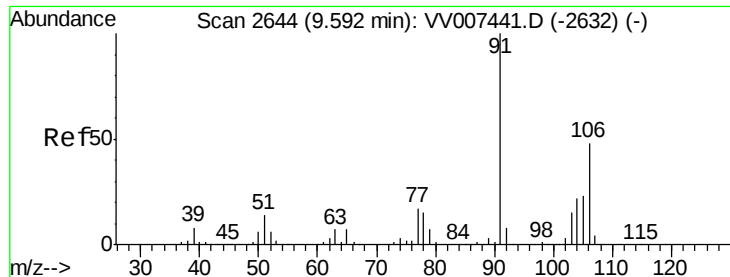
Tgt Ion: 106 Resp: 309667

Ion Ratio Lower Upper

106 100

91 193.1 138.0 256.2





#54

o-xylene

Concen: 54.983 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

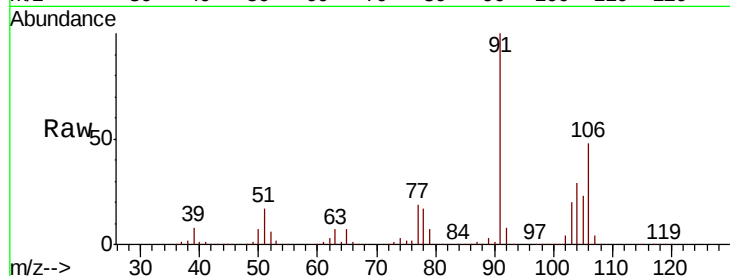
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 301117

Ion Ratio Lower Upper

106 100

91 207.1 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

400000

300000

200000

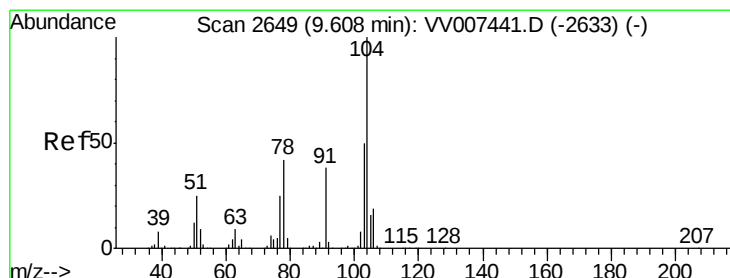
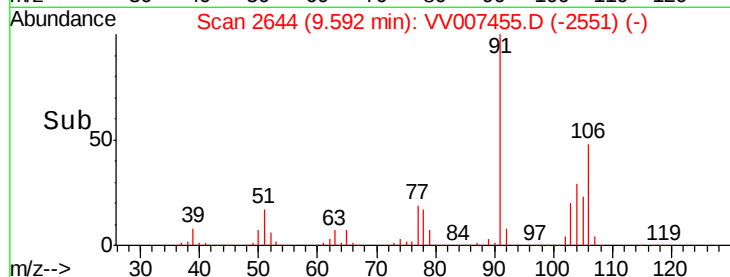
100000

0

9.59

9.50 9.60 9.70

Time-->



#55

Styrene

Concen: 59.189 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007455.D

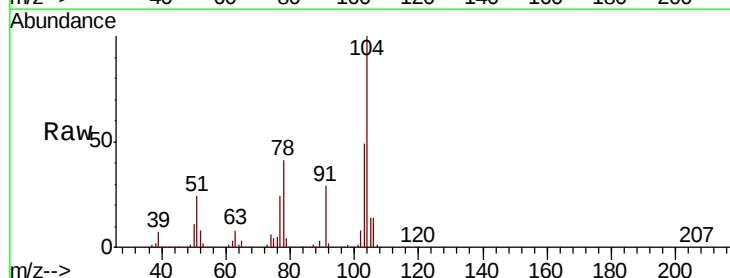
Acq: 07 Sep 2018 10:45

Tgt Ion:104 Resp: 561511

Ion Ratio Lower Upper

104 100

78 41.4 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

400000

300000

200000

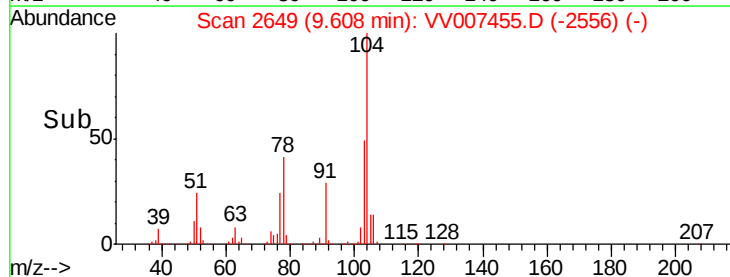
100000

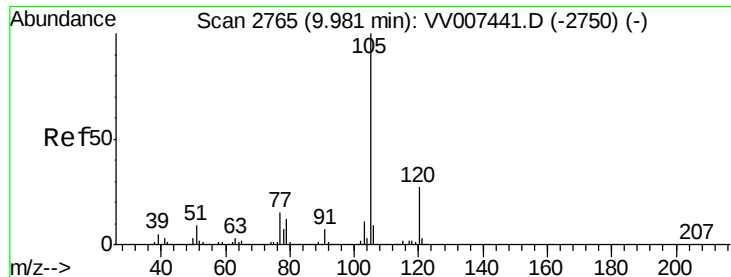
0

9.61

9.50 9.60 9.70

Time-->





#56

Isopropylbenzene

Concen: 54.611 ug/L

RT: 9.98 min Scan# 2764

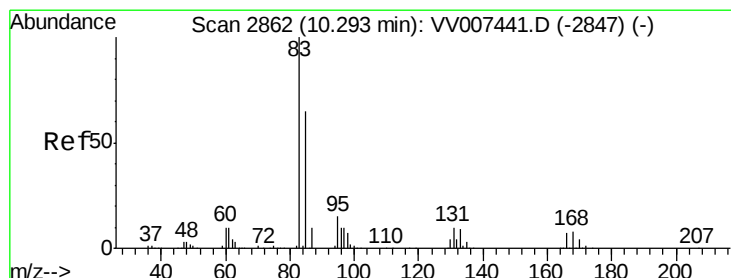
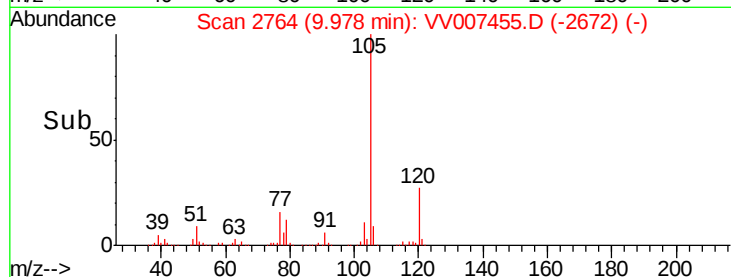
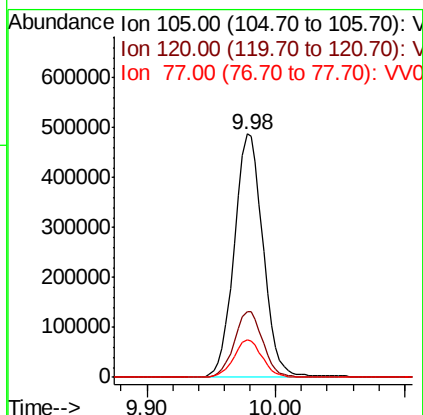
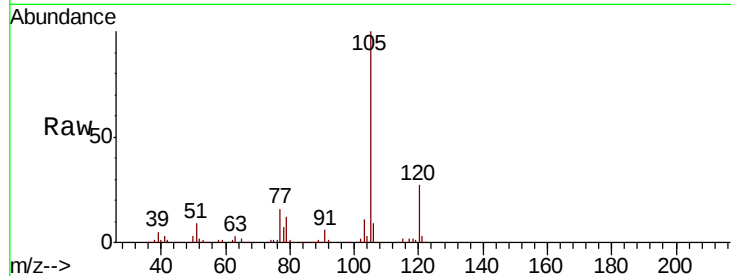
Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	756425
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.4	32.0
77	15.2	12.0	18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 53.718 ug/L

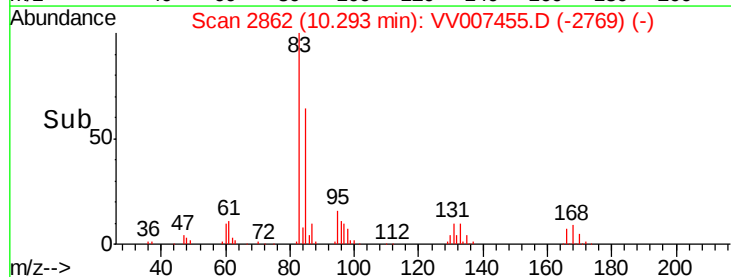
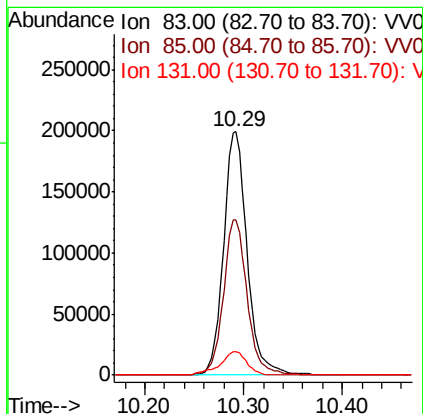
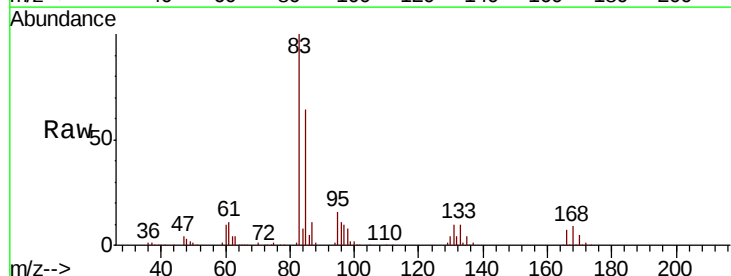
RT: 10.29 min Scan# 2862

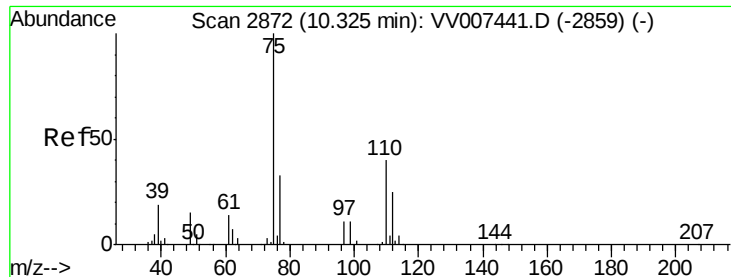
Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Tgt Ion:	83	Resp:	332323
Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.7	82.9
131	9.7	7.8	11.6

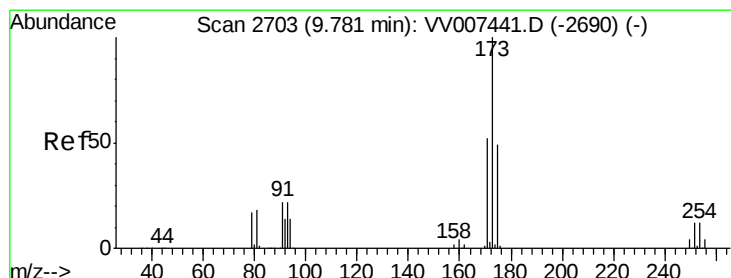
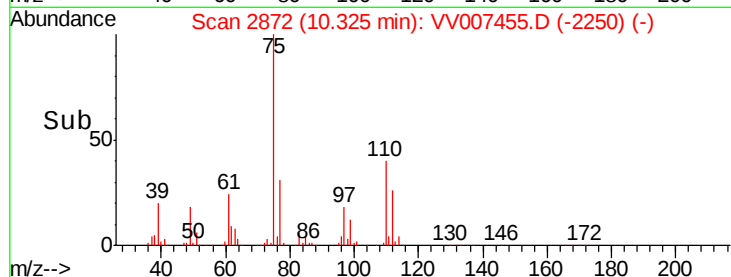
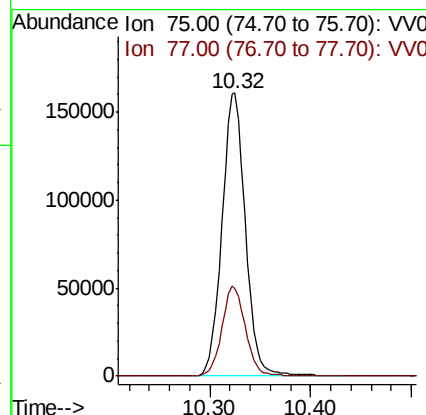
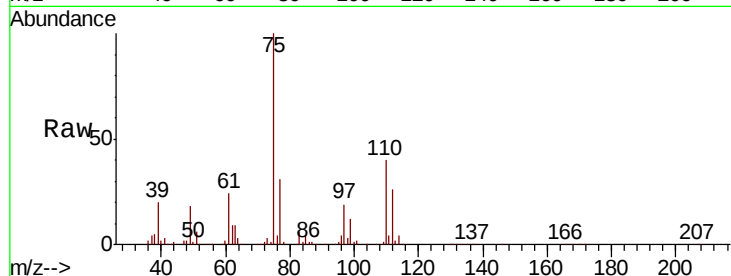




#59
 1,2,3-Trichloropropane
 Concen: 52.950 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

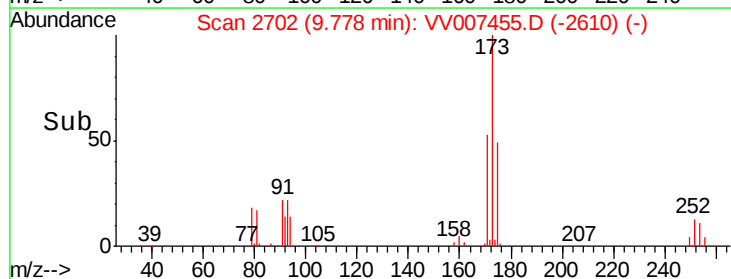
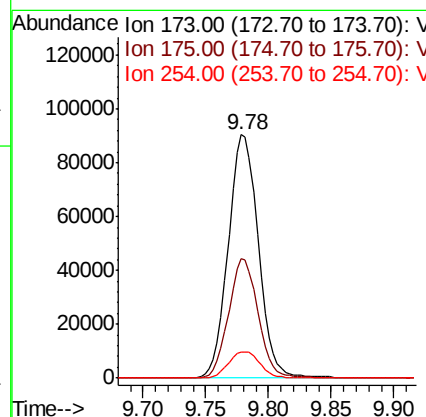
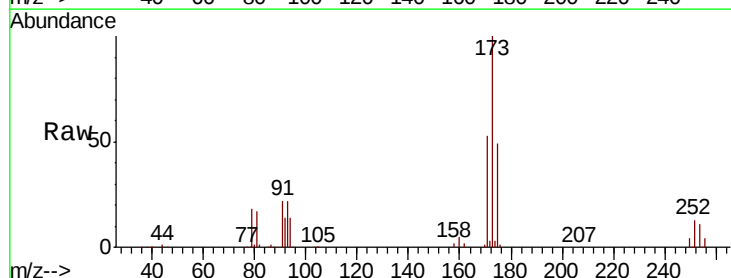
Instrument :
 MSVOA_V
 ClientSampleId :

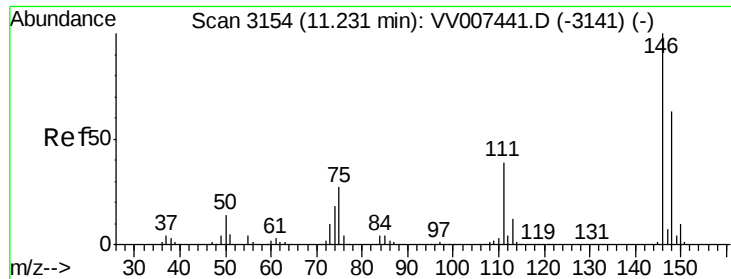
Tot Ion: 75 Resp: 260967
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3



#61
 Bromoform
 Concen: 47.935 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Tgt Ion: 173 Resp: 150971
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.0 58.6
 254 11.2 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 51.167 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampleId :

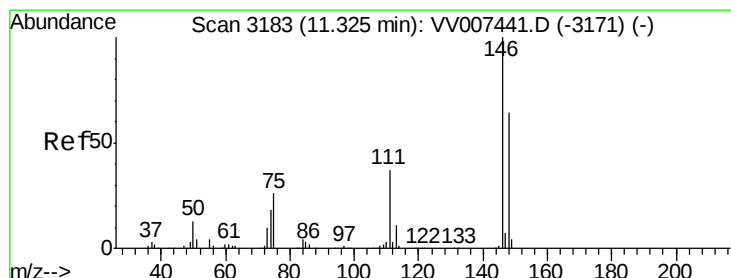
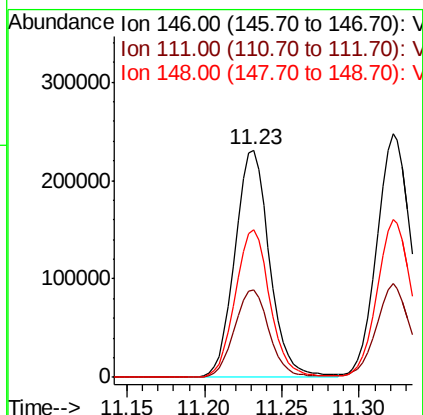
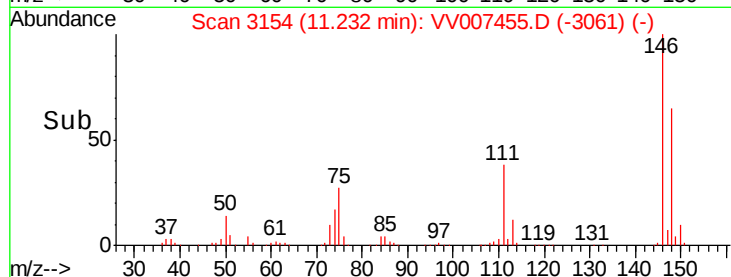
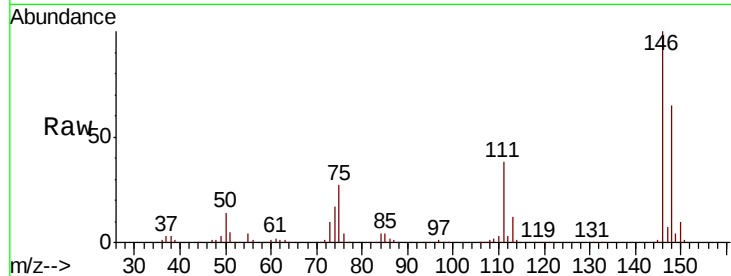
Tot Ion:146 Resp: 359499

Ion Ratio Lower Upper

146 100

111 38.5 27.5 51.1

148 65.0 45.7 84.9



#63

1,4-Dichlorobenzene

Concen: 52.653 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

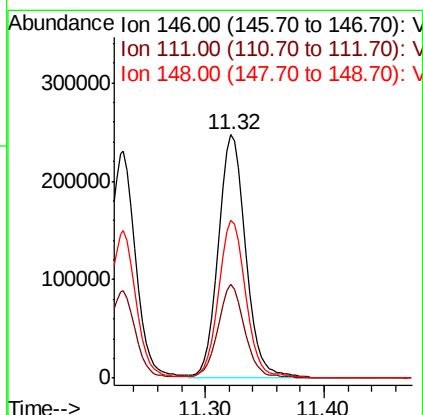
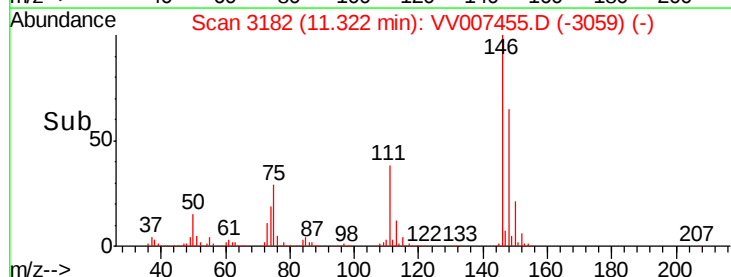
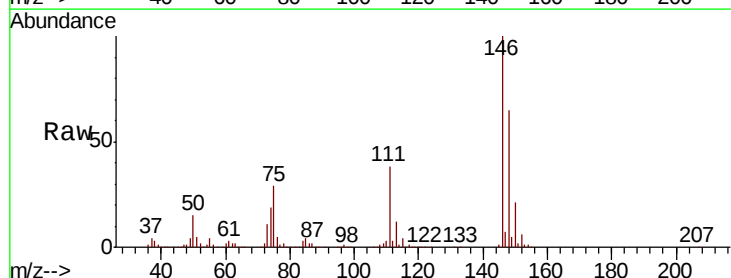
Tgt Ion:146 Resp: 396764

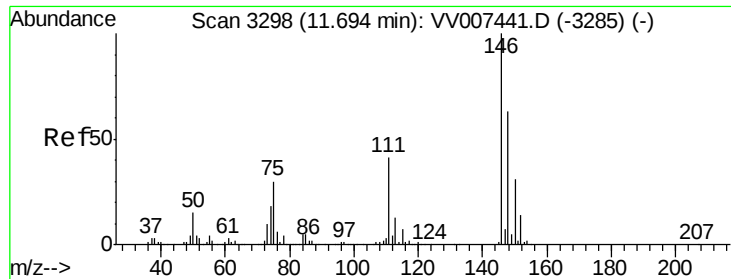
Ion Ratio Lower Upper

146 100

111 38.4 25.6 47.6

148 64.7 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 53.171 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampleId :

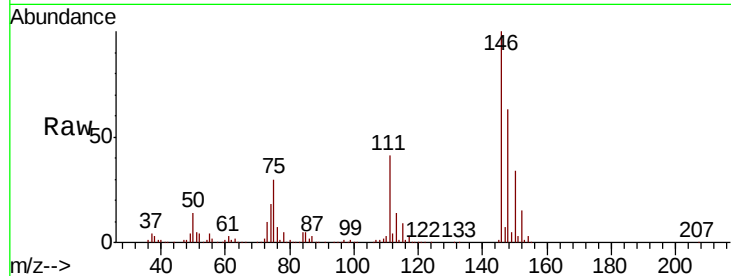
Tot Ion:146 Resp: 417625

Ion Ratio Lower Upper

146 100

111 41.2 31.7 47.5

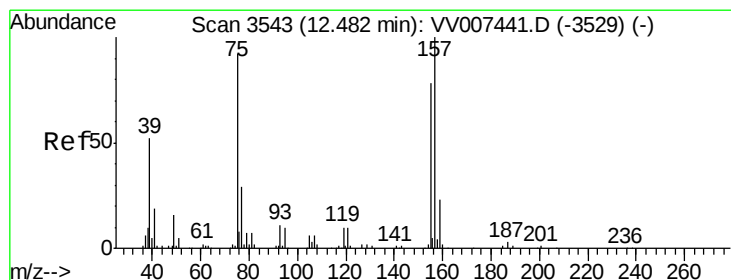
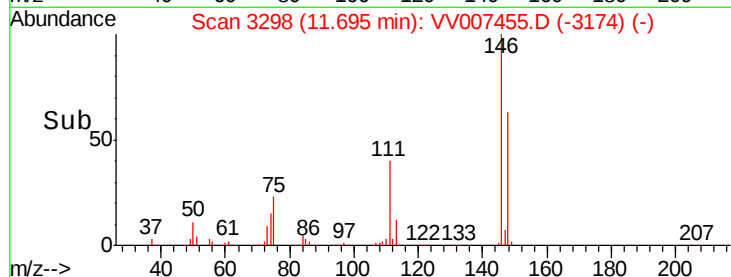
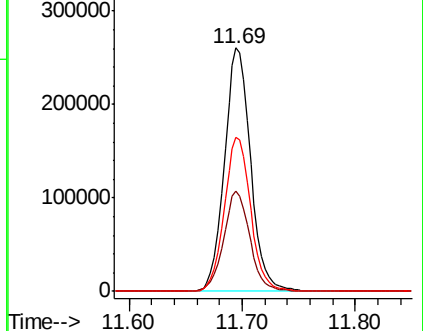
148 63.1 50.0 75.0



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: 45.294 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

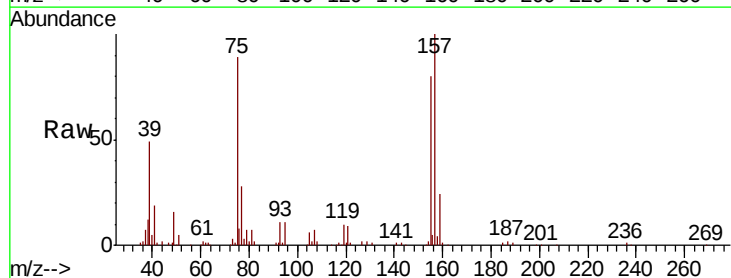
Tgt Ion: 75 Resp: 60315

Ion Ratio Lower Upper

75 100

155 89.8 70.6 105.8

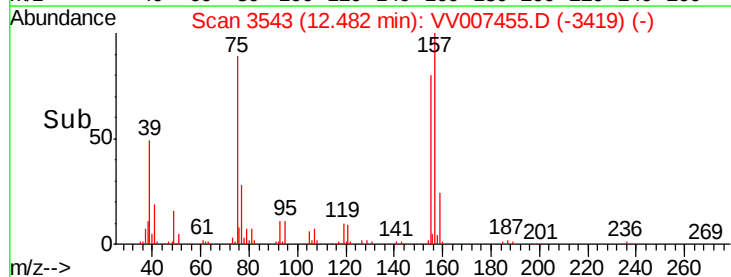
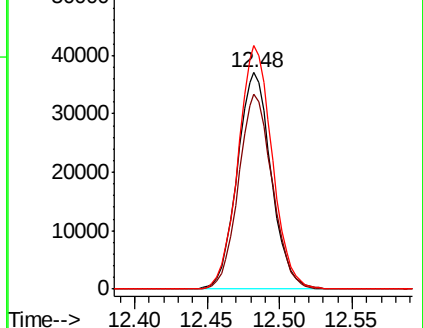
157 112.4 88.6 132.8

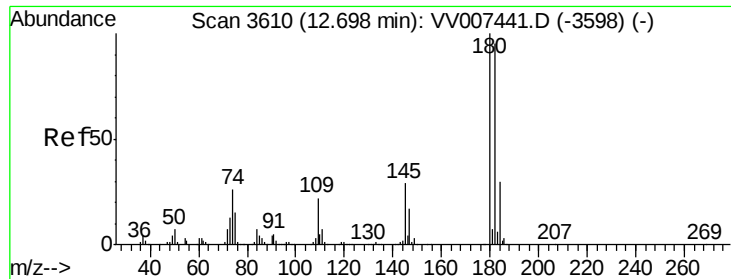


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

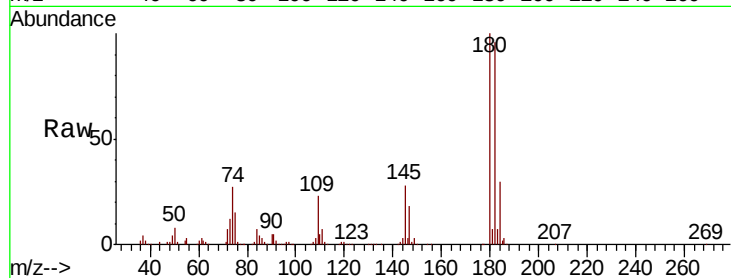




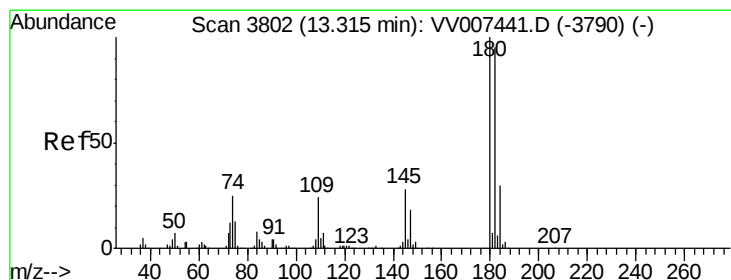
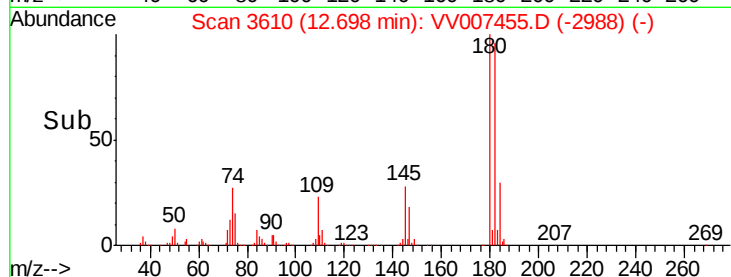
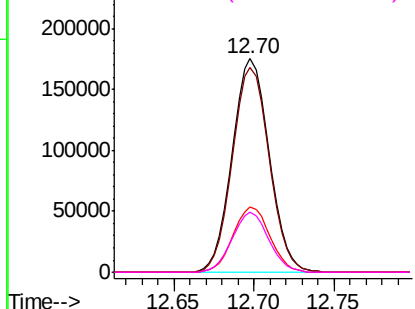
#67
 1,3,5-Trichlorobenzene
 Concen: 51.142 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	275732
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.8 115.2
184	30.4	24.2 36.2
145	27.8	22.6 34.0

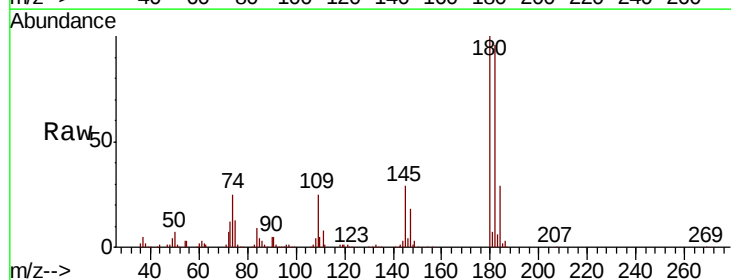


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

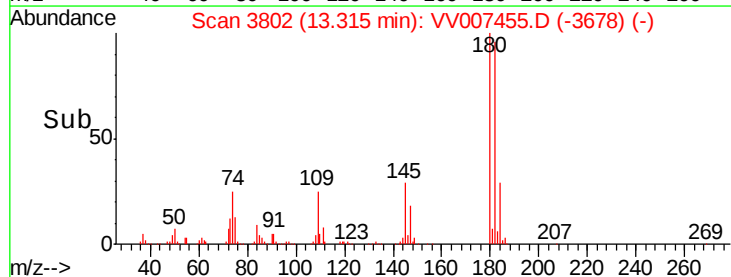
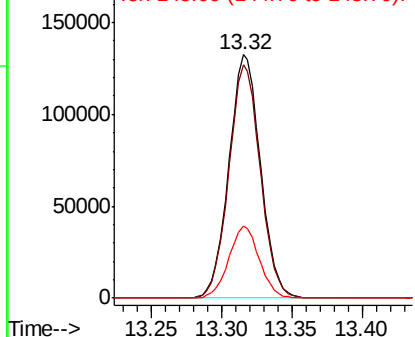


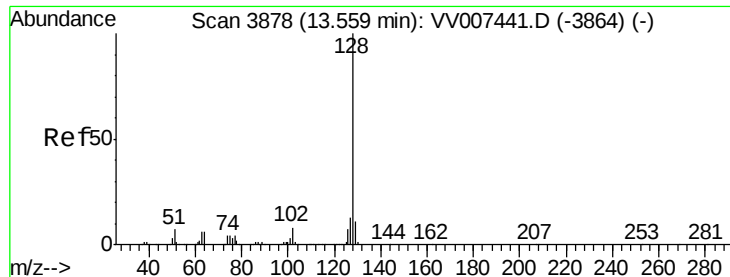
#68
 1,2,4-trichlorobenzene
 Concen: 49.657 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007455.D
 Acq: 07 Sep 2018 10:45

Tgt Ion:180	Resp:	207400
Ion	Ratio	Lower Upper
180	100	
182	95.3	77.0 115.4
145	28.6	22.9 34.3



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: 47.398 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

Instrument :

MSVOA_V

ClientSampleId :

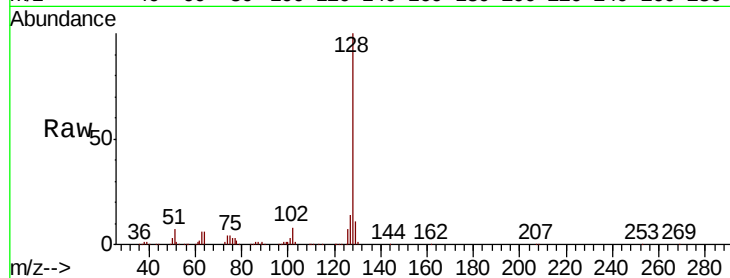
Tot Ion:128 Resp: 571369

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

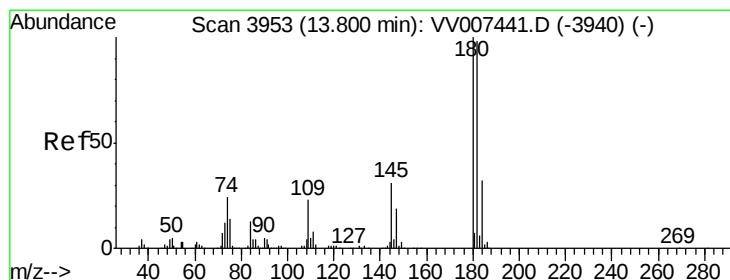
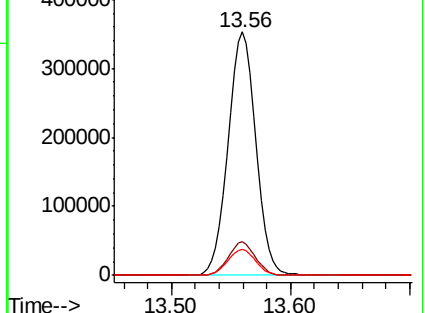
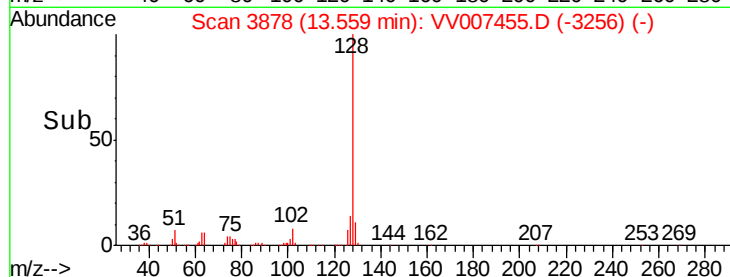
129 10.7 8.7 13.1



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: 51.821 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007455.D

Acq: 07 Sep 2018 10:45

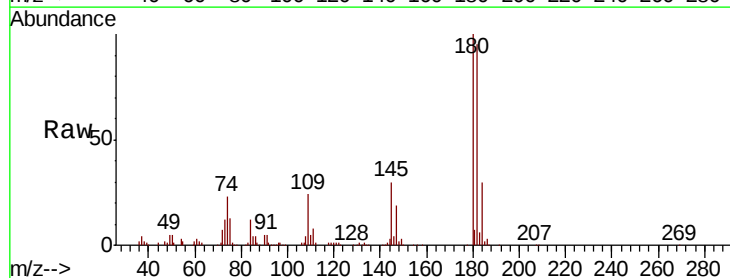
Tgt Ion:180 Resp: 239169

Ion Ratio Lower Upper

180 100

182 95.9 77.2 115.8

145 30.3 24.5 36.7



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

