

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090718\
 Data File : VV007469.D
 Acq On : 07 Sep 2018 18:32
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 08 05:08:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 08 05:06:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	509829	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	509931	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	251580	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	155147	42.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.20%
7) Chloroethane-d5	1.56	69	119986	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.13	63	289688	45.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.32%
21) 2-Butanone-d5	3.96	46	230471	77.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.81%
24) Chloroform-d	4.41	84	339932	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
26) 1,2-Dichloroethane-d4	5.09	65	206507	45.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.88%
32) Benzene-d6	5.10	84	677046	44.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.10%
36) 1,2-Dichloropropane-d6	6.13	67	220667	42.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.68%
41) Toluene-d8	7.36	98	632098	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%
43) trans-1,3-Dichloropropene-	7.67	79	96590	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
47) 2-Hexanone-d5	8.14	63	166471	82.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.45%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	324433	46.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.24%
64) 1,2-Dichlorobenzene-d4	11.68	152	250267	46.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	194670	48.109	ug/L 99
3) Chloromethane	1.26	50	226644	52.803	ug/L 100
5) Vinyl chloride	1.32	62	206278	47.401	ug/L 99
6) Bromomethane	1.51	94	84493	40.294	ug/L 99
8) Chloroethane	1.58	64	115171	51.574	ug/L 98
9) Trichlorofluoromethane	1.76	101	259099	47.034	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	162215	47.428	ug/L 100
12) 1,1-Dichloroethene	2.14	96	148788	46.145	ug/L 96
13) Acetone	2.20	43	171833	97.416	ug/L 99
14) Carbon disulfide	2.32	76	404308	44.253	ug/L 99
15) Methyl Acetate	2.46	43	184308	47.967	ug/L 100
16) Methylene chloride	2.54	84	179895	46.917	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	162032	46.066	ug/L 100
18) Methyl tert-butyl Ether	2.81	73	525781	47.729	ug/L 99
19) 1,1-Dichloroethane	3.23	63	318636	43.739	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	188838	46.654	ug/L 97
22) 2-Butanone	4.04	43	288044	97.503	ug/L 100

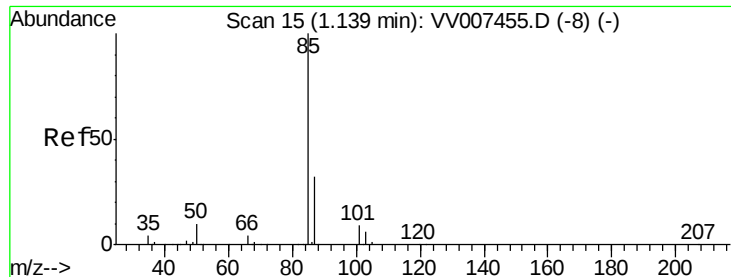
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090718\
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 Quant Title : VOC Analysis
 QLast Update : Sat Sep 08 05:06:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	100172	47.300	uq/L	98
25) Chloroform	4.43	83	340570	47.496	uq/L	97
27) 1,2-Dichloroethane	5.19	62	251119	46.772	uq/L	100
29) Cyclohexane	4.72	56	245423	43.412	uq/L	99
30) 1,1,1-Trichloroethane	4.66	97	281981	45.280	uq/L	99
31) Carbon tetrachloride	4.87	117	238131	44.176	uq/L	99
33) Benzene	5.15	78	763303	46.797	uq/L	100
34) Trichloroethene	5.96	95	172625	43.353	uq/L	98
35) Methylcyclohexane	6.18	83	265867	44.777	uq/L	98
37) 1,2-Dichloropropane	6.23	63	205920	45.939	uq/L	100
38) Bromodichloromethane	6.56	83	249304	45.549	uq/L	100
39) cis-1,3-Dichloropropene	7.08	75	269089	44.705	uq/L	98
40) 4-Methyl-2-pentanone	7.29	43	508322	98.164	uq/L	100
42) Toluene	7.44	91	779693	49.690	uq/L	99
44) trans-1,3-Dichloropropene	7.70	75	262210	46.588	uq/L	99
45) 1,1,2-Trichloroethane	7.89	97	195930	46.312	uq/L	99
46) Tetrachloroethene	8.02	164	146969	45.902	uq/L	97
48) 2-Hexanone	8.19	43	423797	104.941	uq/L	96
49) Dibromochloromethane	8.30	129	201000	46.319	uq/L	100
50) 1,2-Dibromoethane	8.40	107	191981	46.462	uq/L	97
51) Chlorobenzene	8.93	112	499973	47.186	uq/L	99
52) Ethylbenzene	9.06	91	773447	48.606	uq/L	99
53) m,p-Xylene	9.19	106	302443	49.645	uq/L	99
54) o-xylene	9.59	106	291306	49.175	uq/L	99
55) Styrene	9.61	104	550343	53.631	uq/L	100
56) Isopropylbenzene	9.98	105	743733	49.639	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	336314	50.258	uq/L	99
59) 1,2,3-Trichloropropane	10.32	75	268629	50.389	uq/L	99
61) Bromoform	9.78	173	150294	43.869	uq/L	99
62) 1,3-Dichlorobenzene	11.23	146	354887	46.435	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	396187	48.334	uq/L	100
65) 1,2-Dichlorobenzene	11.70	146	419733	49.126	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	65118	44.954	uq/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	266981	45.523	uq/L	99
68) 1,2,4-trichlorobenzene	13.31	180	198690	43.732	uq/L	99
69) Naphthalene	13.56	128	559058	42.634	uq/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	233270	46.464	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.109 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

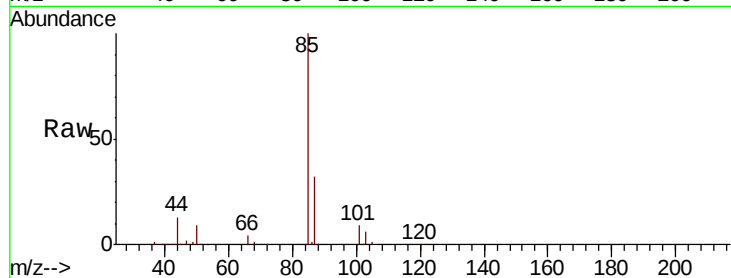
ClientSampleId :

Tot Ion: 85 Resp: 194670

Ion Ratio Lower Upper

85 100

87 31.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007455.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007455.D (-8) (-)

1.14

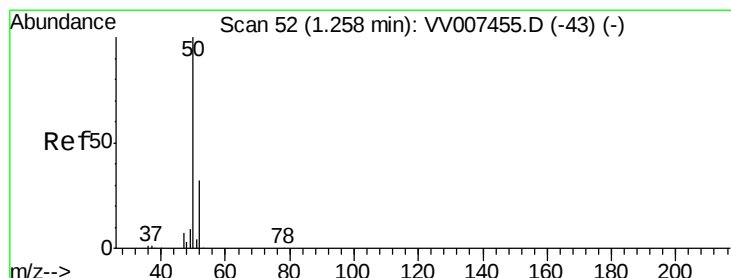
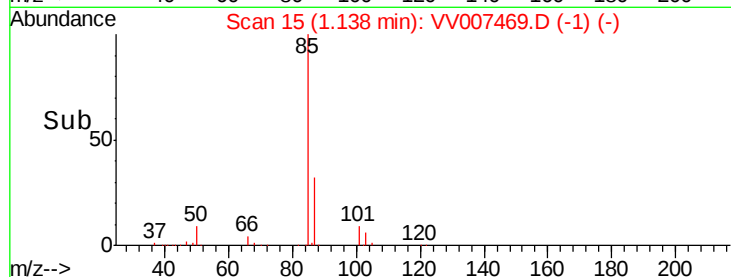
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.803 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV007469.D

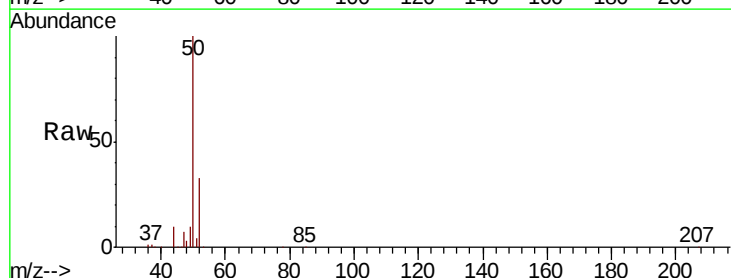
Acq: 07 Sep 2018 18:32

Tgt Ion: 50 Resp: 226644

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007455.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV007455.D (-43) (-)

1.26

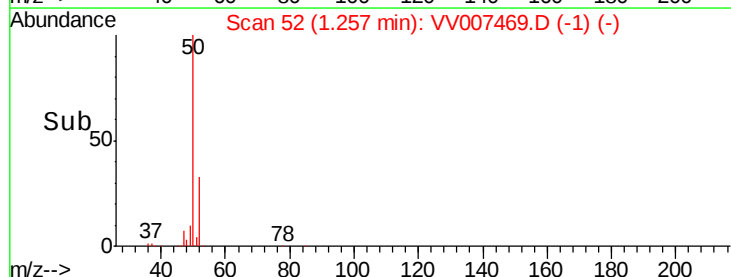
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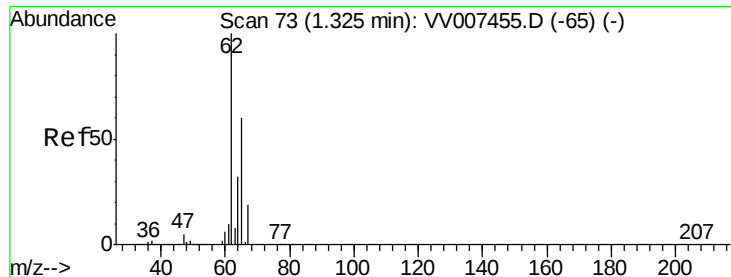
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.401 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

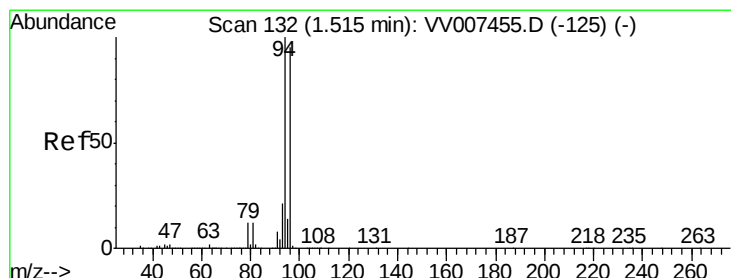
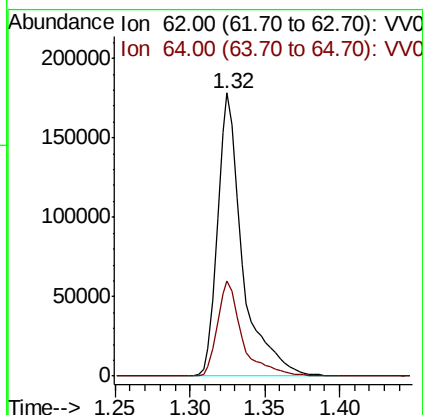
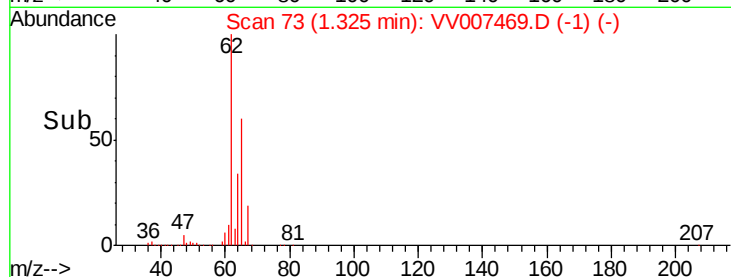
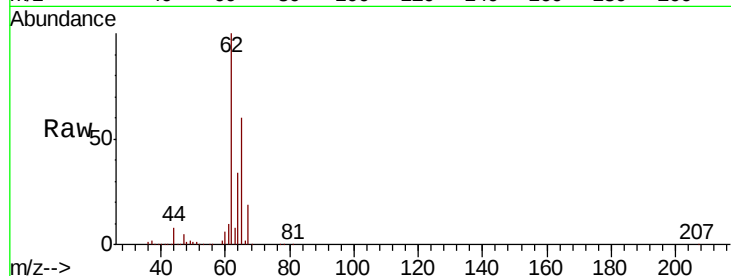
ClientSampleId :

Tot Ion: 62 Resp: 206278

Ion Ratio Lower Upper

62 100

64 33.7 23.2 43.2



#6

Bromomethane

Concen: 40.294 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV007469.D

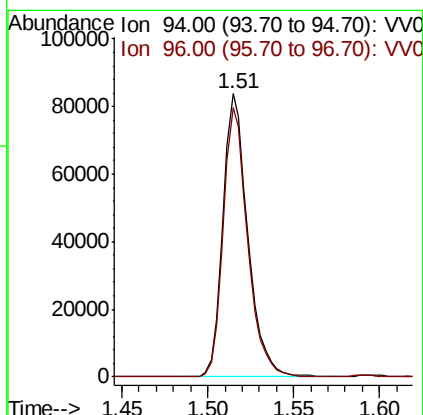
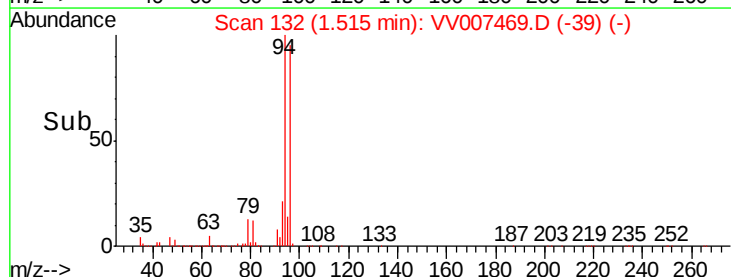
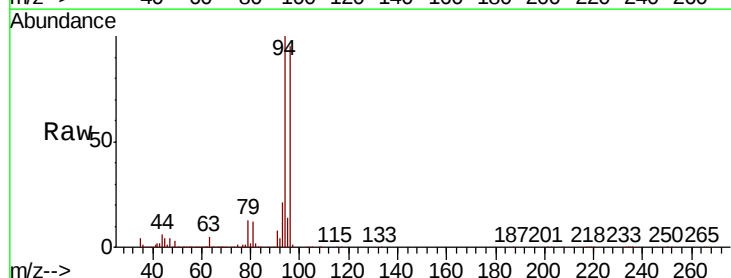
Acq: 07 Sep 2018 18:32

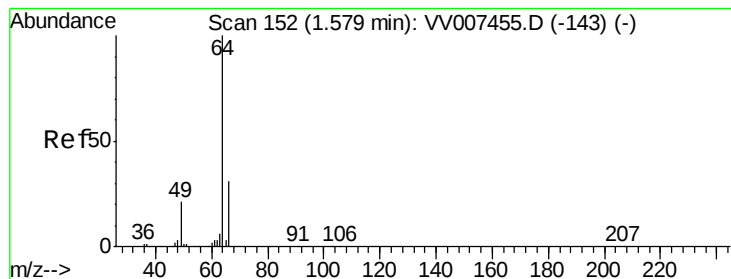
Tgt Ion: 94 Resp: 84493

Ion Ratio Lower Upper

94 100

96 95.1 65.9 122.5





#8

Chloroethane

Concen: 51.574 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

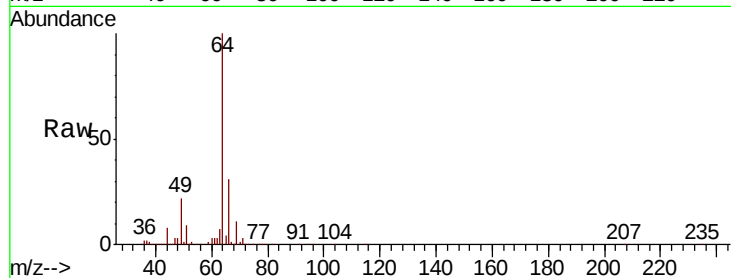
ClientSampleId :

Tot Ion: 64 Resp: 115171

Ion Ratio Lower Upper

64 100

66 30.9 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV007455.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV007455.D (-143) (-)

1.58

100000

80000

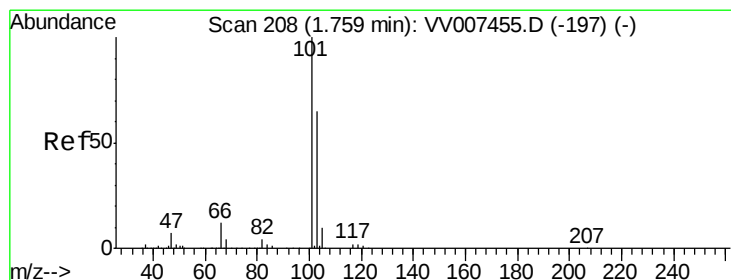
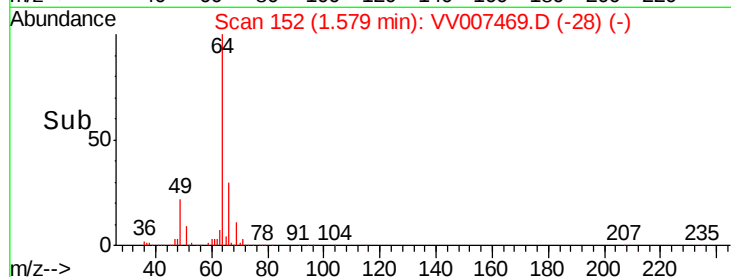
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 47.034 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV007469.D

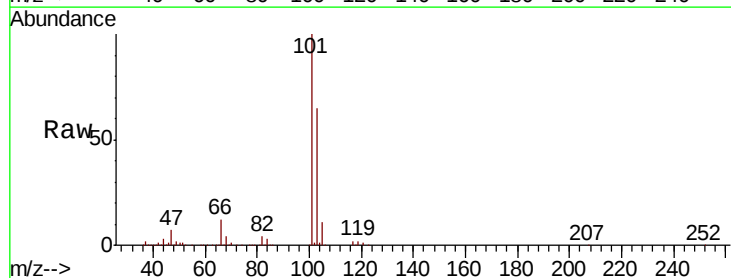
Acq: 07 Sep 2018 18:32

Tgt Ion:101 Resp: 259099

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV007455.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV007455.D (-197) (-)

1.76

200000

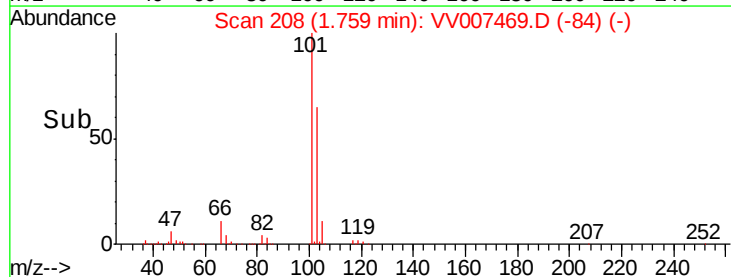
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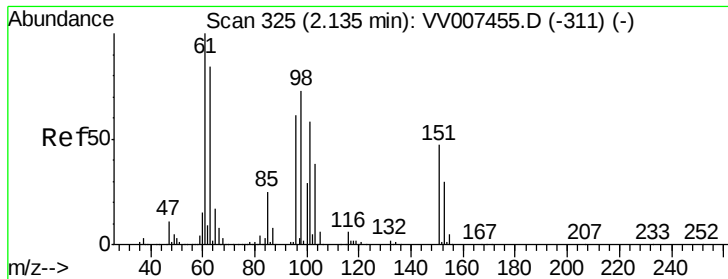
100000

50000

0

Time-->





#10

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

Concen: 47.428 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

ClientSampleId :

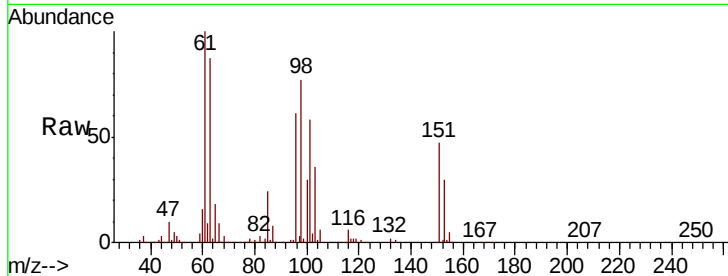
Tot Ion:101 Resp: 162215

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

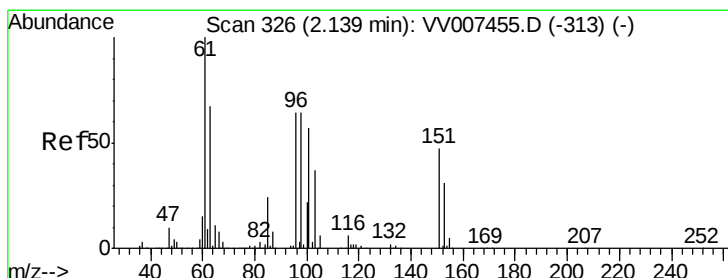
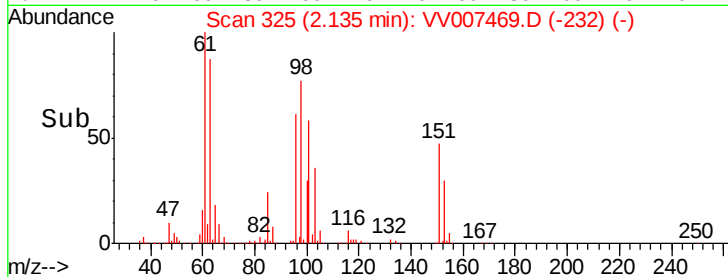
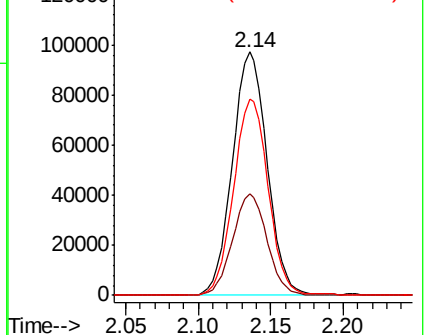
151 80.2 64.5 96.7



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: 46.145 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

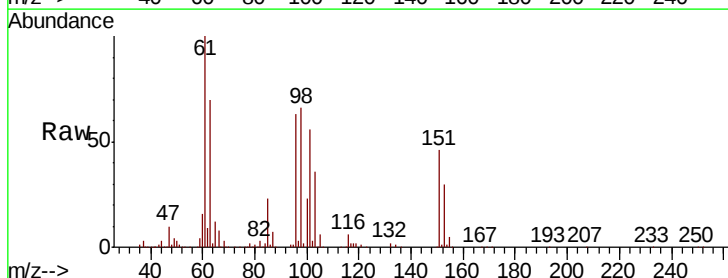
Tgt Ion: 96 Resp: 148788

Ion Ratio Lower Upper

96 100

61 158.3 108.6 201.8

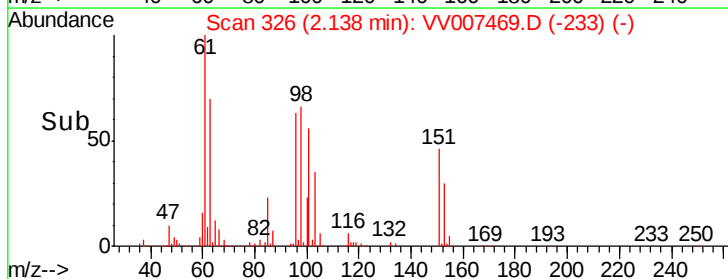
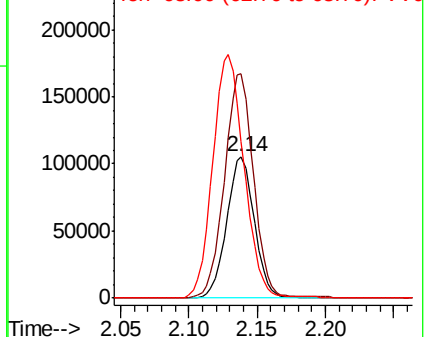
63 110.3 81.5 151.3

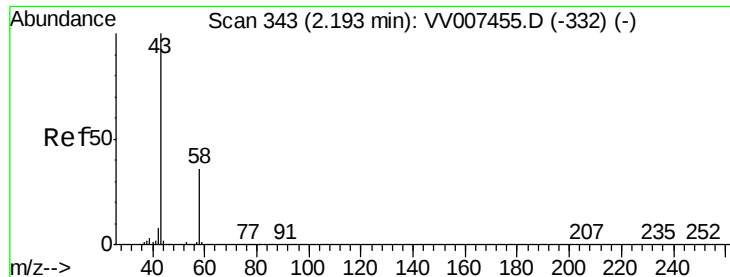


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 97.416 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

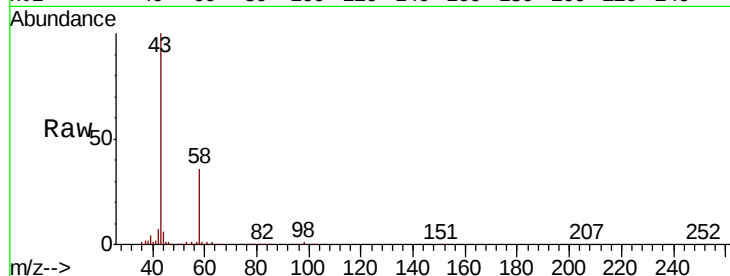
ClientSampleId :

Tot Ion: 43 Resp: 171833

Ion Ratio Lower Upper

43 100

58 36.0 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007455.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007455.D (-332) (-)

120000

100000

80000

60000

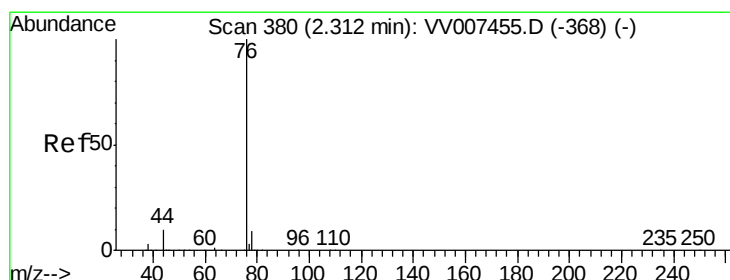
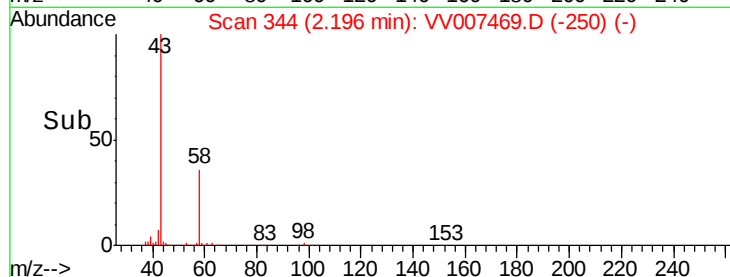
40000

20000

0

2.10 2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 44.253 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV007469.D

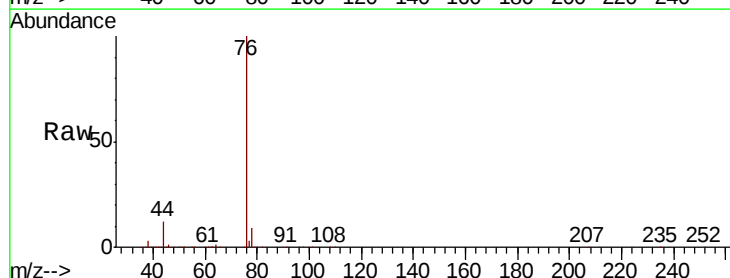
Acq: 07 Sep 2018 18:32

Tgt Ion: 76 Resp: 404308

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV007455.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV007455.D (-368) (-)

300000

250000

200000

150000

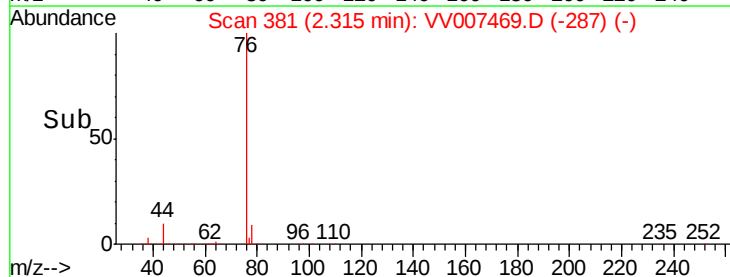
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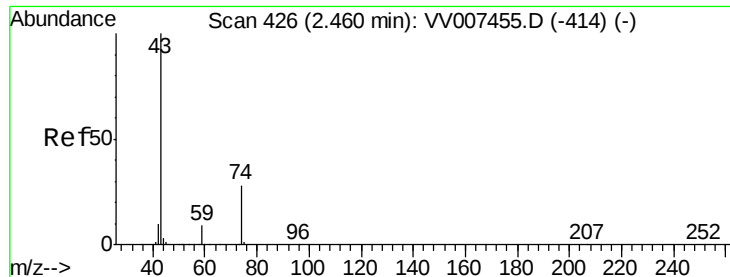
50000

0

2.30 2.40

Time-->

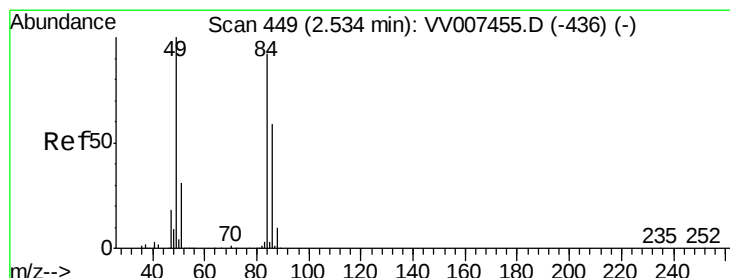
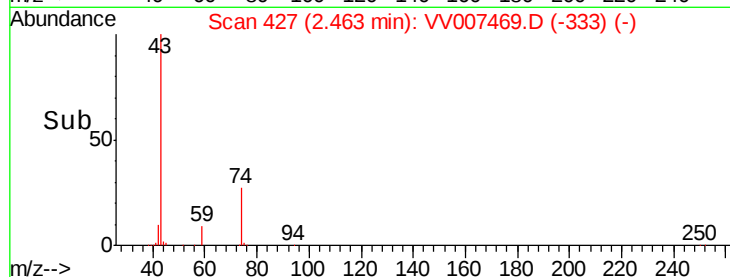
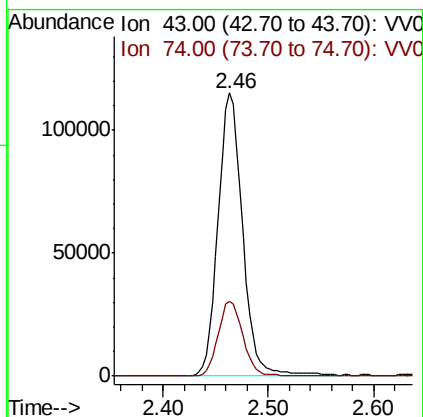
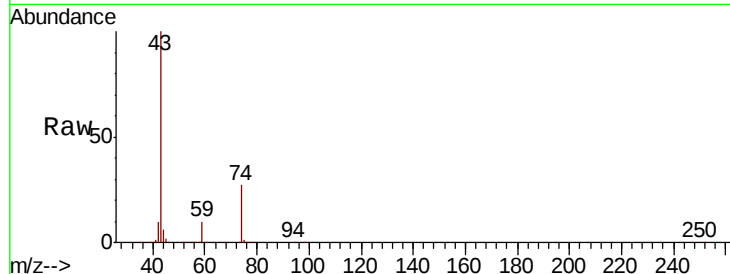




#15
Methvl Acetate
Concen: 47.967 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007469.D
Acq: 07 Sep 2018 18:32

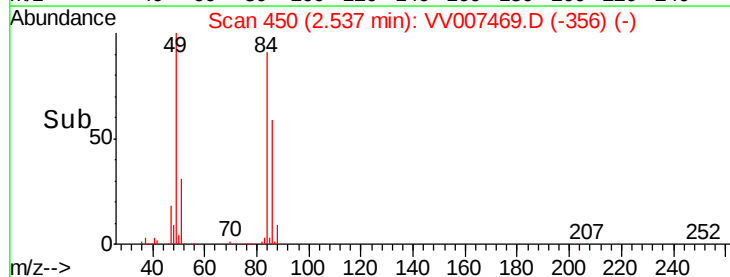
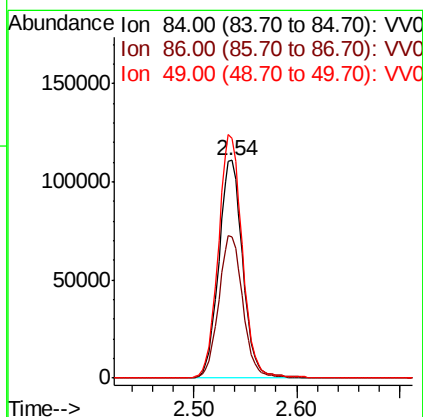
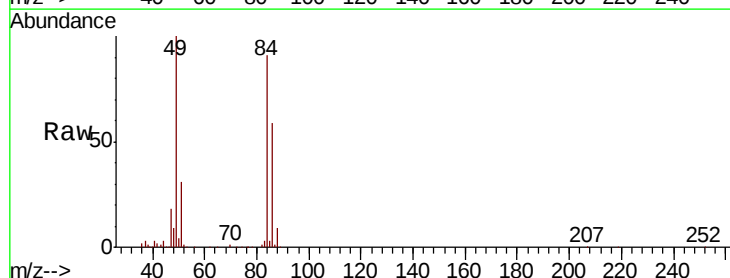
Instrument :
MSVOA_V
ClientSampleId :

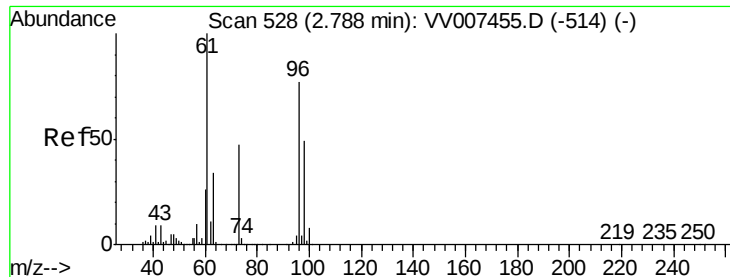
Tot Ion: 43 Resp: 184308
Ion Ratio Lower Upper
43 100
74 27.1 21.5 32.3



#16
Methylene chloride
Concen: 46.917 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007469.D
Acq: 07 Sep 2018 18:32

Tgt Ion: 84 Resp: 179895
Ion Ratio Lower Upper
84 100
86 65.0 45.3 84.1
49 110.3 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 46.066 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

ClientSampleId :

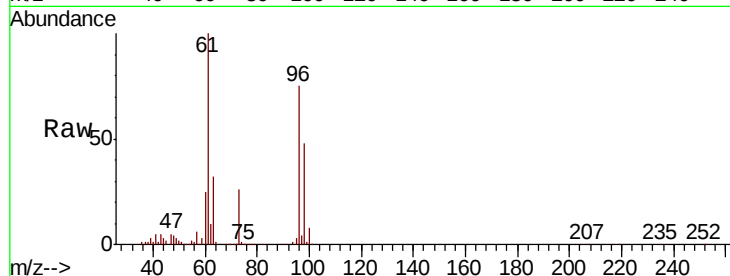
Tot Ion: 96 Resp: 162032

Ion Ratio Lower Upper

96 100

61 133.2 93.1 172.9

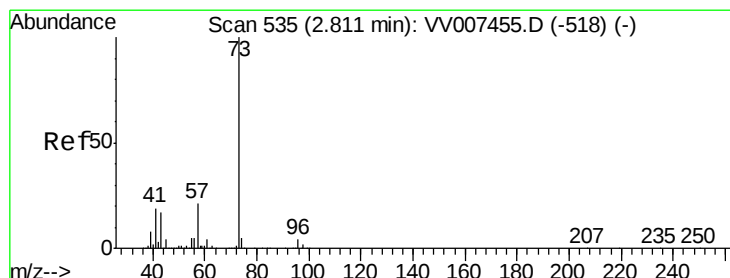
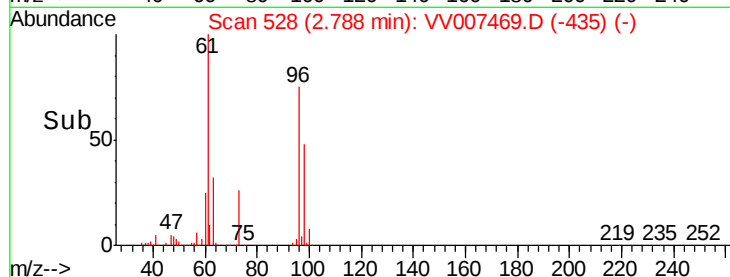
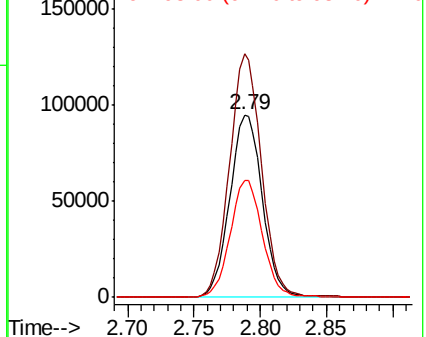
98 64.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.729 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

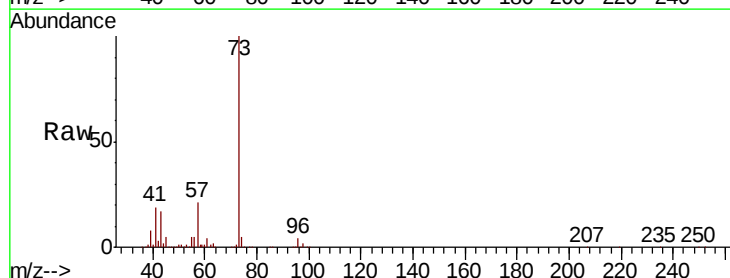
Tgt Ion: 73 Resp: 525781

Ion Ratio Lower Upper

73 100

43 17.2 13.4 20.2

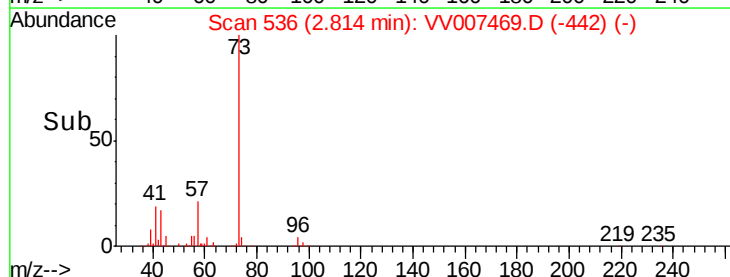
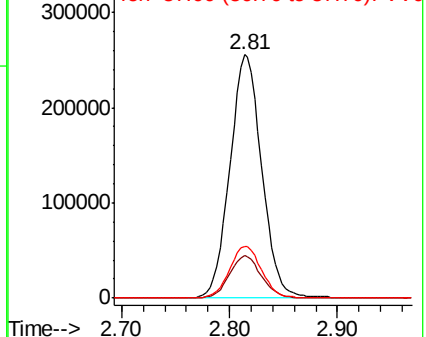
57 21.5 17.0 25.4

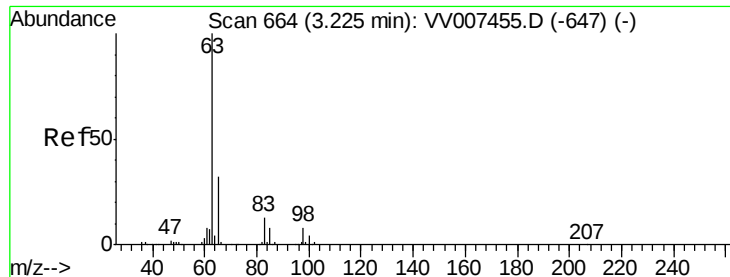


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

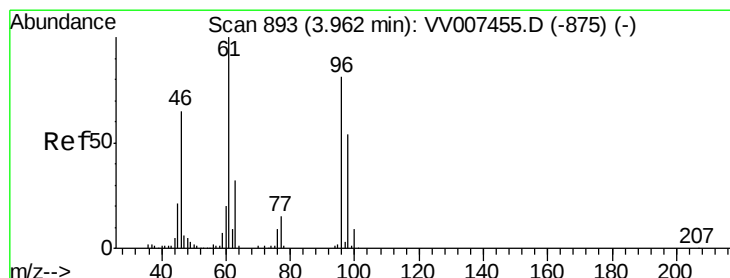
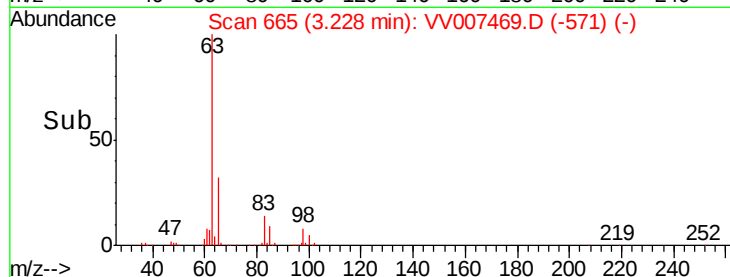
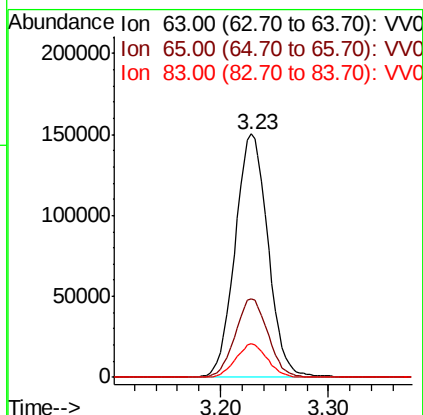
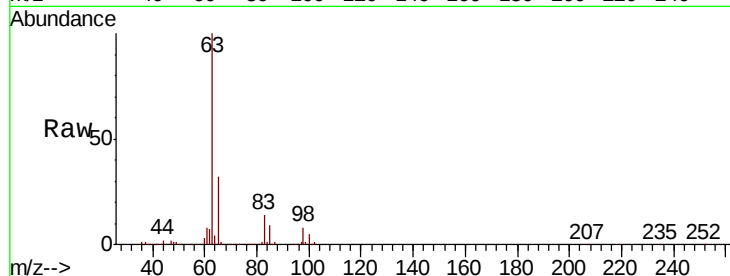




#19
 1,1-Dichloroethane
 Concen: 43.739 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

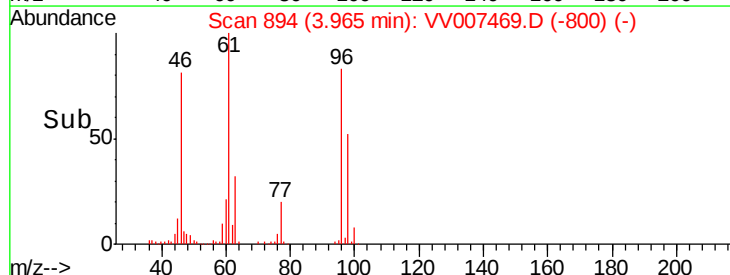
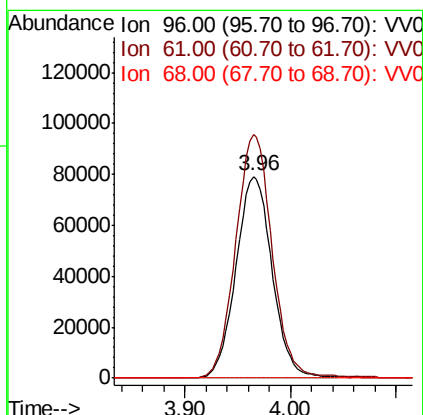
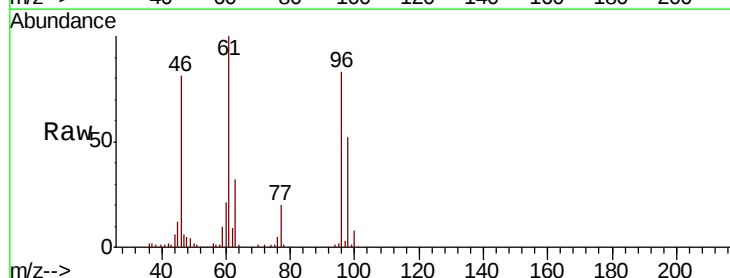
Instrument :
 MSVOA_V
 ClientSampleId :

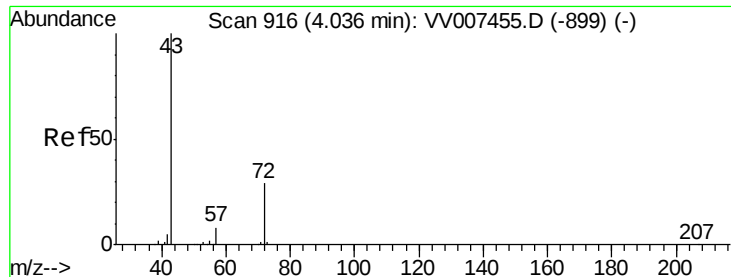
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.5	41.9
83	13.8	9.0	16.8



#20
 cis-1,2-Dichloroethene
 Concen: 46.654 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.8	86.8	161.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 97.503 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.01 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

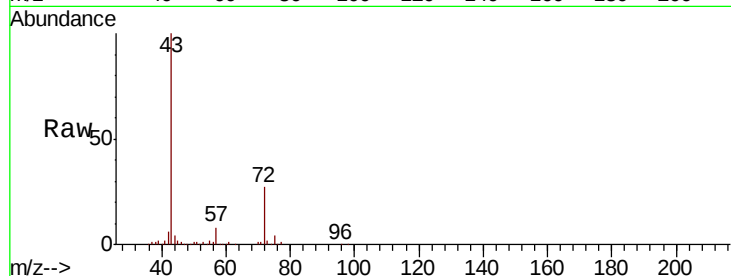
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 288044

Ion Ratio Lower Upper

43 100

72 27.6 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007455.D (-899) (-)

Ion 72.00 (71.70 to 72.70): VV007455.D (-899) (-)

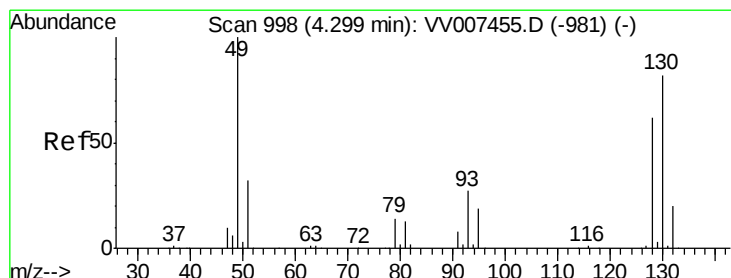
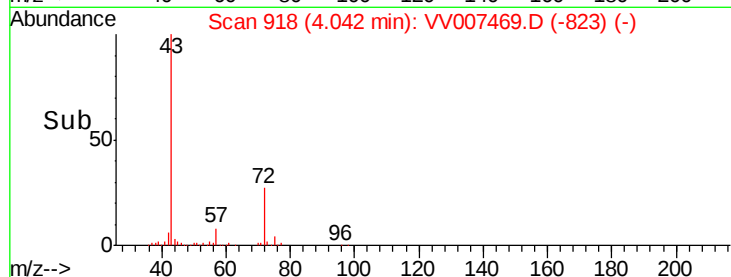
4.04

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 47.300 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Tgt Ion: 128 Resp: 100172

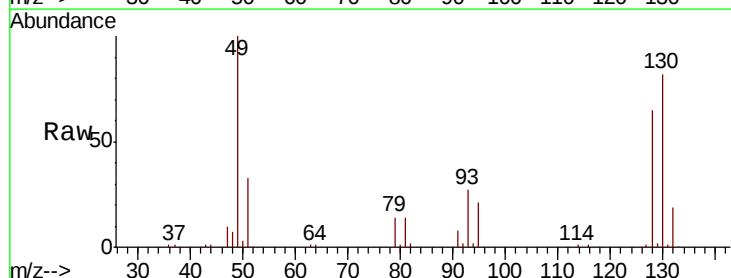
Ion Ratio Lower Upper

128 100

49 154.1 111.2 206.4

130 126.0 89.1 165.5

51 50.6 40.1 60.1



Abundance Ion 128.00 (127.70 to 128.70): VV007455.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV007455.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VV007455.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VV007455.D (-981) (-)

100000

80000

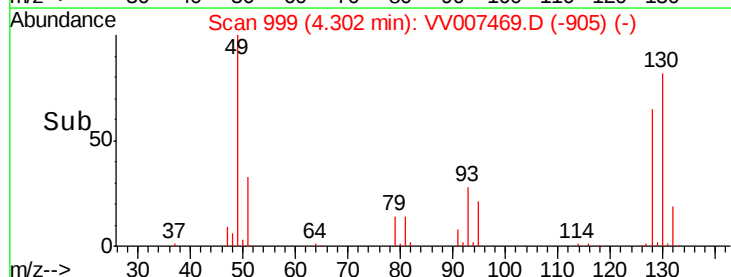
60000

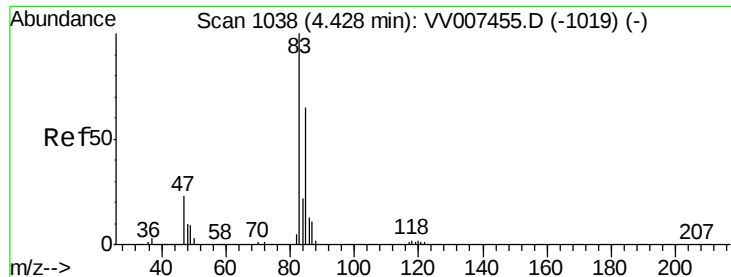
40000

20000

0

Time-->





#25

Chloroform

Concen: 47.496 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

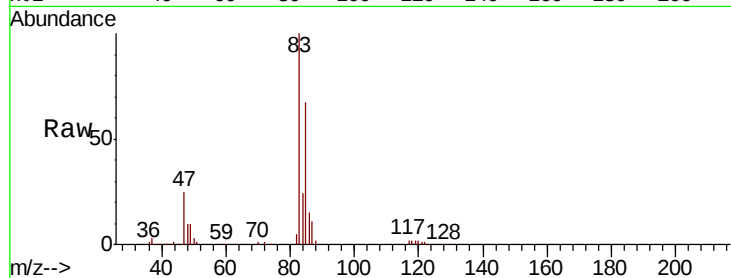
ClientSampled :

Tot Ion: 83 Resp: 340570

Ion Ratio Lower Upper

83 100

85 66.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV007455.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV007455.D (-1019) (-)

4.43

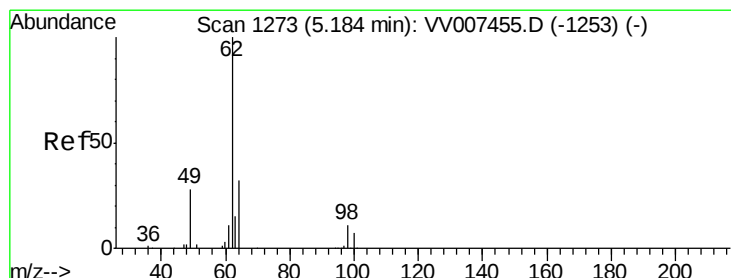
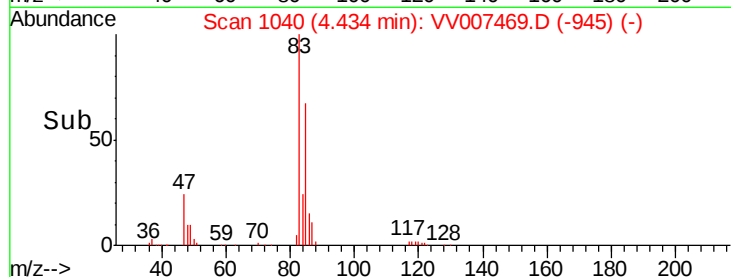
150000

100000

50000

0

Time--> 4.30 4.40 4.50



#27

1,2-Dichloroethane

Concen: 46.772 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV007469.D

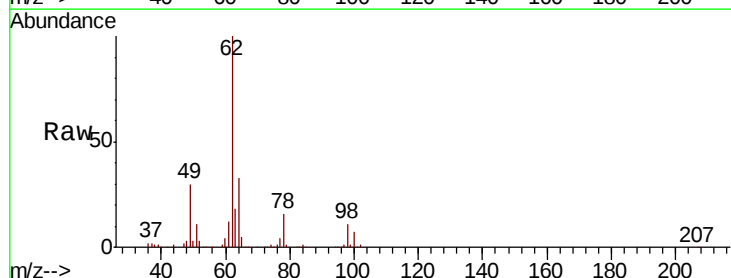
Acq: 07 Sep 2018 18:32

Tgt Ion: 62 Resp: 251119

Ion Ratio Lower Upper

62 100

98 10.9 8.6 13.0



Abundance Ion 62.00 (61.70 to 62.70): VV007455.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV007455.D (-1253) (-)

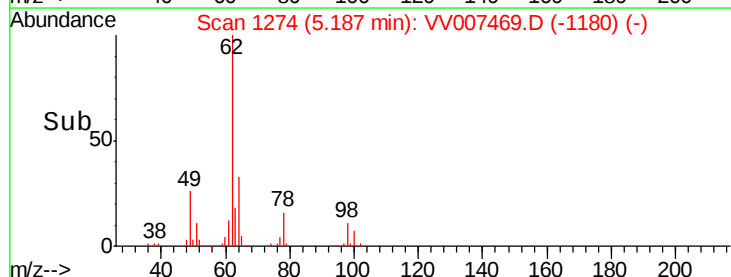
5.19

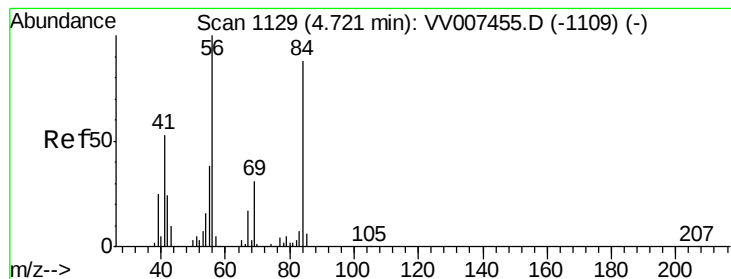
100000

50000

0

Time--> 5.10 5.15 5.20 5.25





#29

Cyclohexane

Concen: 43.412 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

ClientSampled :

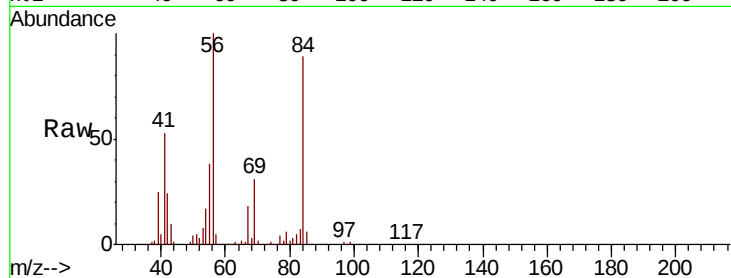
Tot Ion: 56 Resp: 245423

Ion Ratio Lower Upper

56 100

69 30.3 24.5 36.7

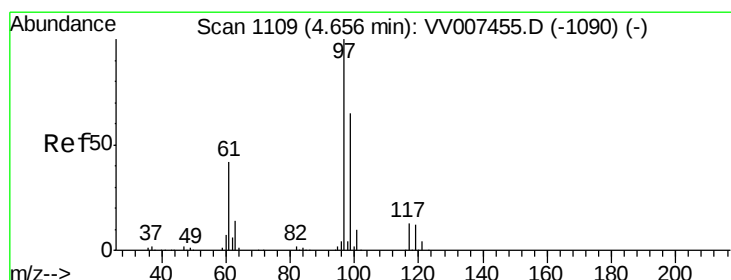
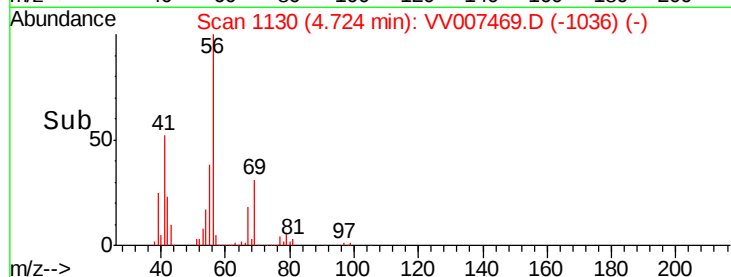
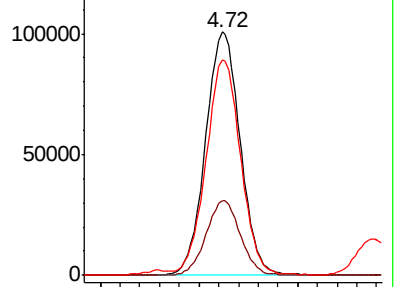
84 87.6 70.6 105.8



Abundance Ion 56.00 (55.70 to 56.70): VV007455.D (-1109) (-)

Ion 69.00 (68.70 to 69.70): VV007455.D (-1109) (-)

Ion 84.00 (83.70 to 84.70): VV007455.D (-1109) (-)



#30

1,1,1-Trichloroethane

Concen: 45.280 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

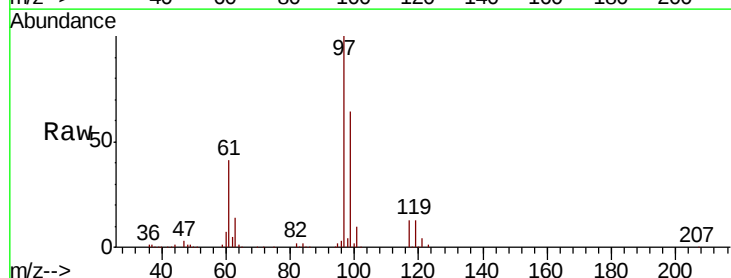
Tgt Ion: 97 Resp: 281981

Ion Ratio Lower Upper

97 100

99 64.7 52.1 78.1

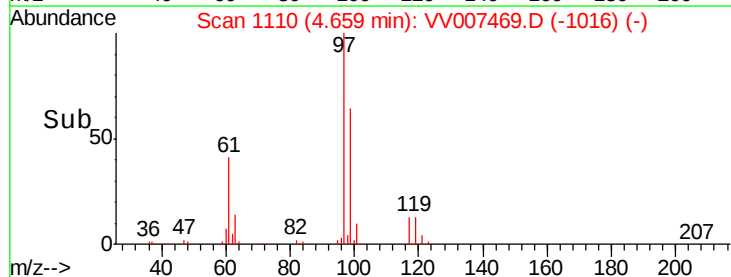
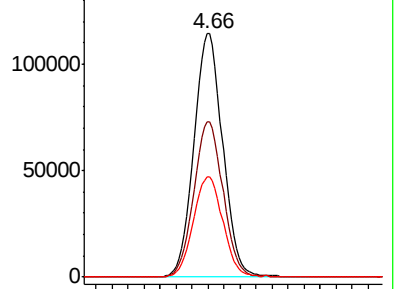
61 42.3 34.6 51.8

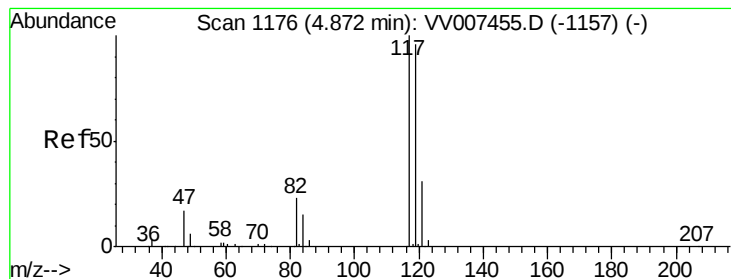


Abundance Ion 97.00 (96.70 to 97.70): VV007455.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV007455.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV007455.D (-1090) (-)





#31

Carbon tetrachloride

Concen: 44.176 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

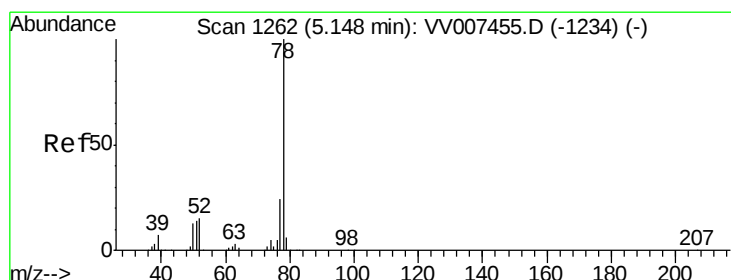
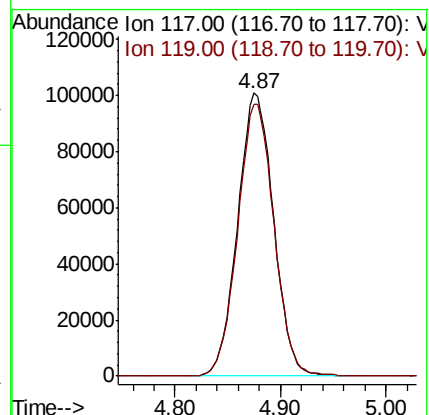
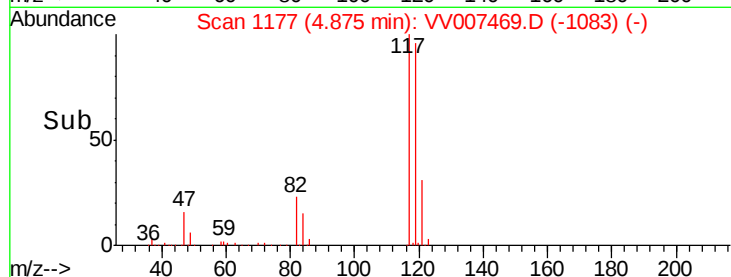
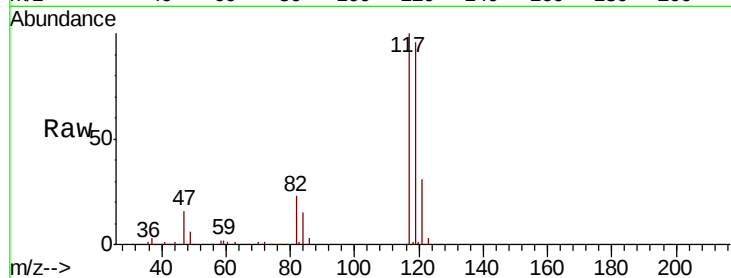
ClientSampled :

Tot Ion:117 Resp: 238131

Ion Ratio Lower Upper

117 100

119 97.0 76.7 115.1



#33

Benzene

Concen: 46.797 ug/L

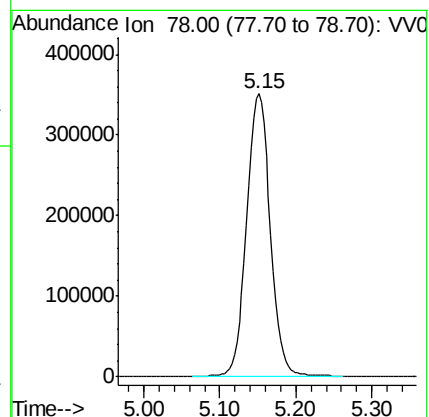
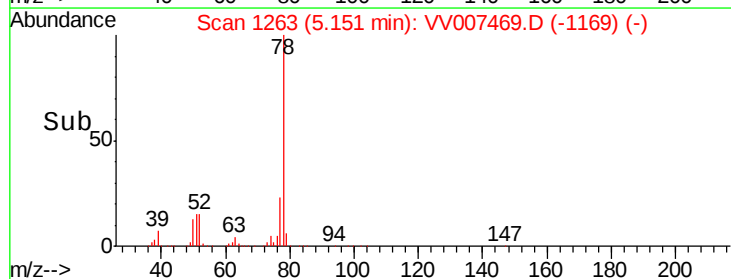
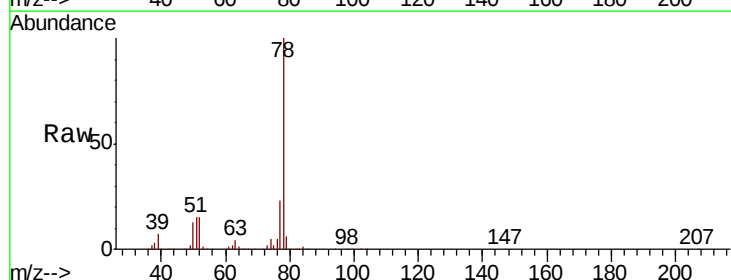
RT: 5.15 min Scan# 1263

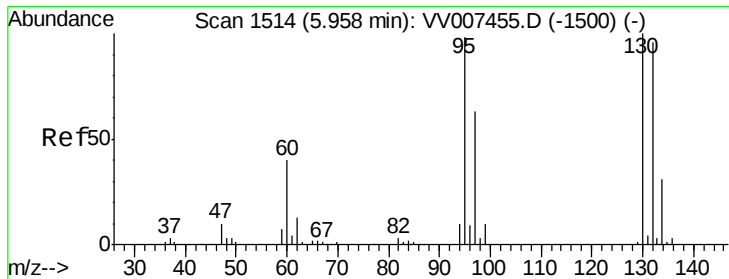
Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Tgt Ion: 78 Resp: 763303





#34

Trichloroethene

Concen: 43.353 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 172625

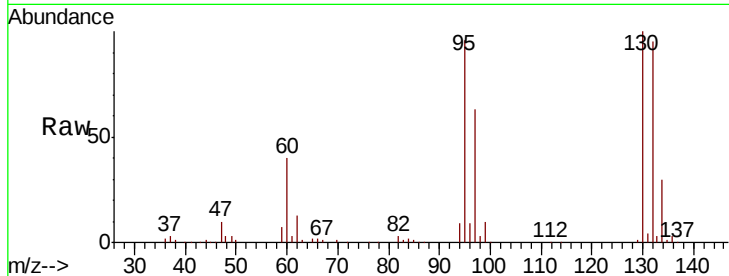
Ion Ratio Lower Upper

95 100

97 65.6 46.1 85.7

132 98.6 70.8 131.6

130 104.0 73.9 137.3

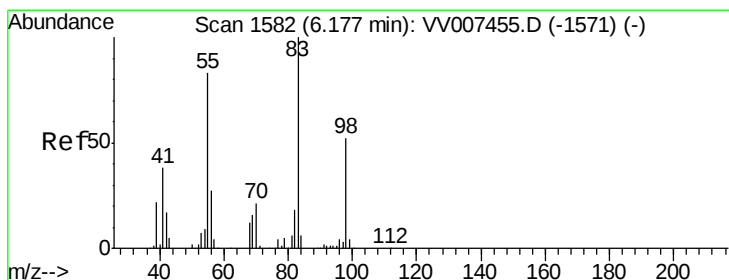
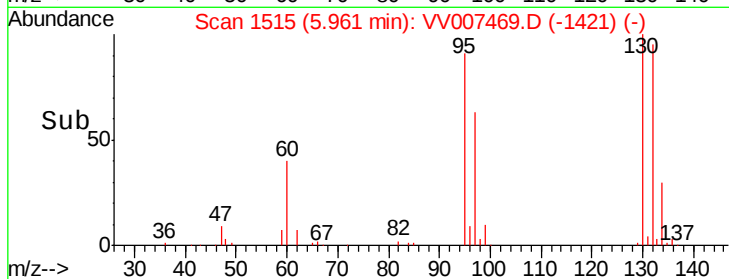
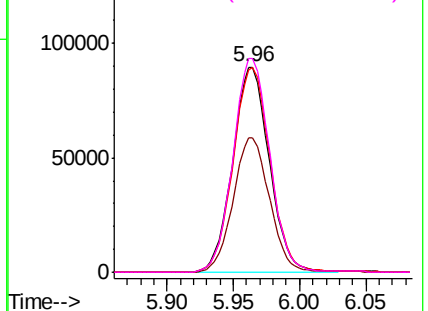


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 44.777 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

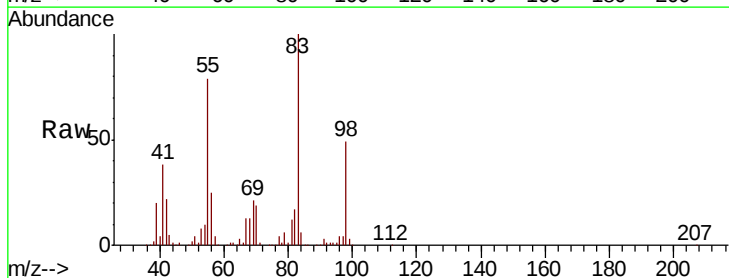
Tgt Ion: 83 Resp: 265867

Ion Ratio Lower Upper

83 100

55 80.3 63.0 94.4

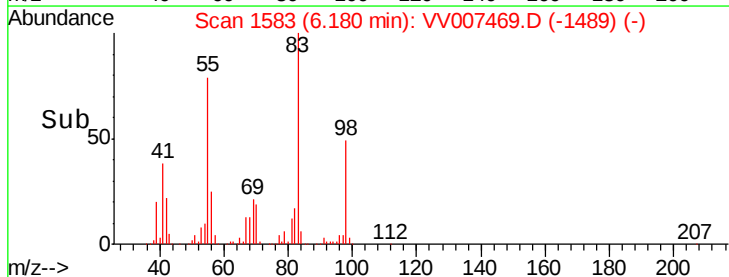
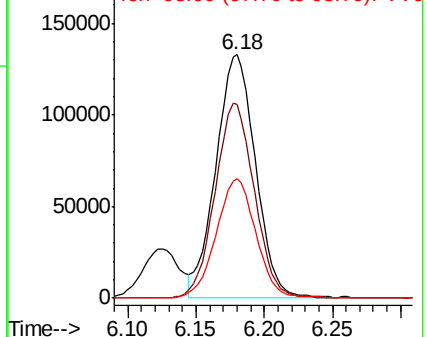
98 49.7 39.0 58.6

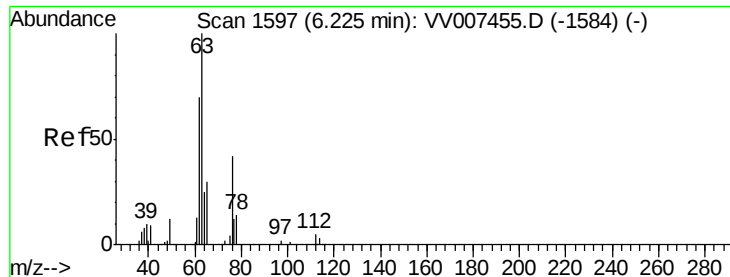


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 45.939 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

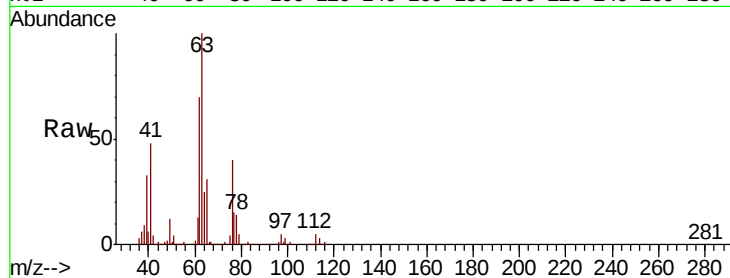
ClientSampleId :

Tot Ion: 63 Resp: 205920

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV007455.D (-1584) (-)

Ion 112.00 (111.70 to 112.70): VV007455.D (-1584) (-)

6.23

120000

100000

80000

60000

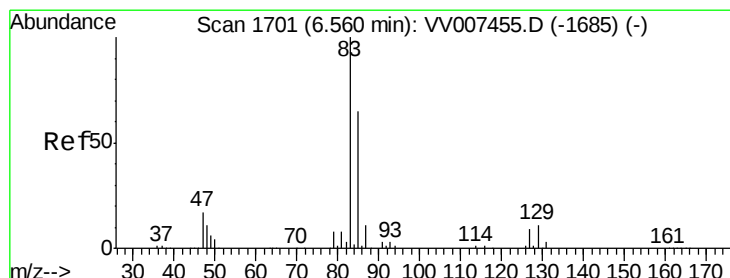
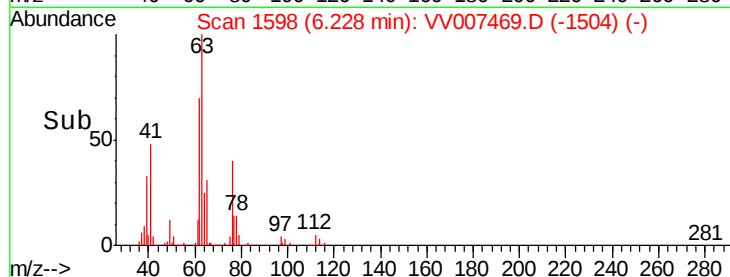
40000

20000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 45.549 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

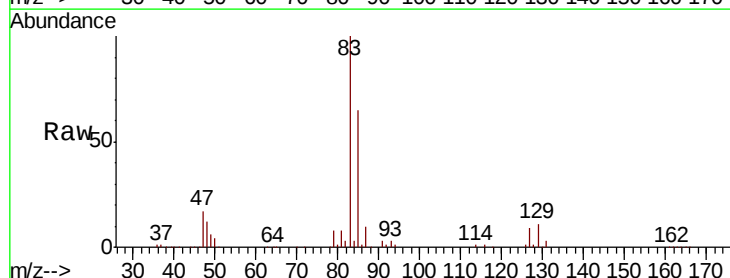
Tgt Ion: 83 Resp: 249304

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

127 8.8 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VV007455.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV007455.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV007455.D (-1685) (-)

6.56

150000

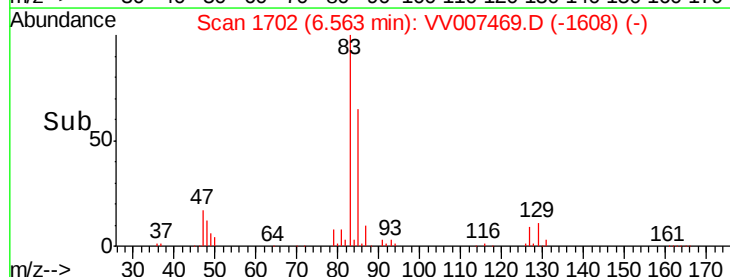
100000

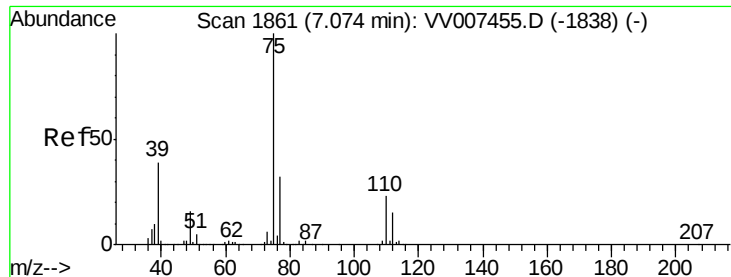
50000

0

6.50 6.60 6.70

Time-->

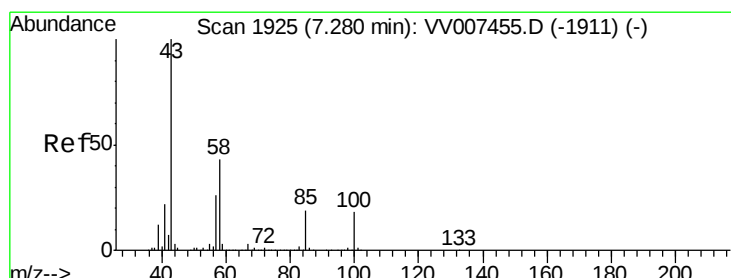
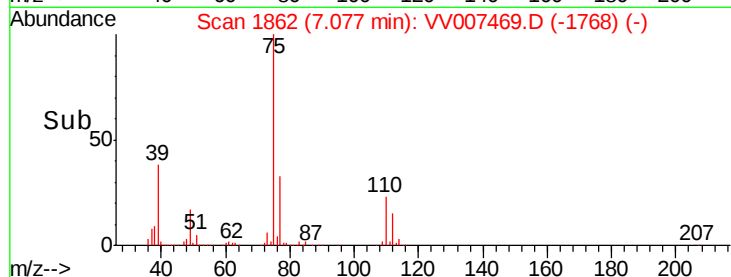
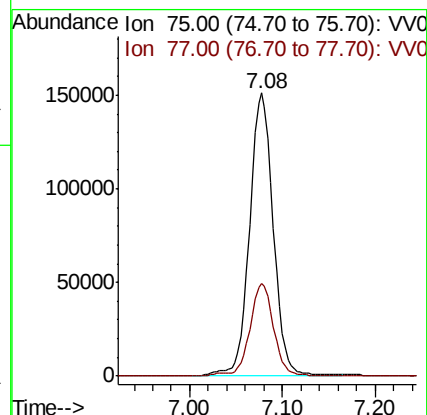
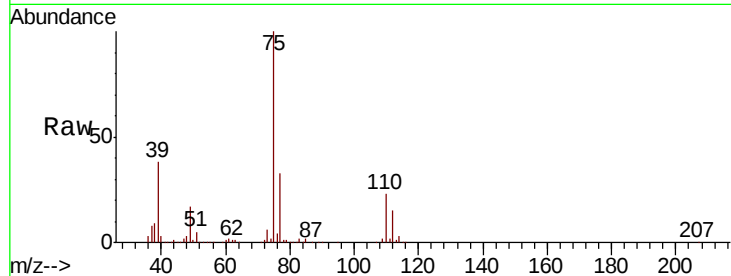




#39
 cis-1,3-Dichloropropene
 Concen: 44.705 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

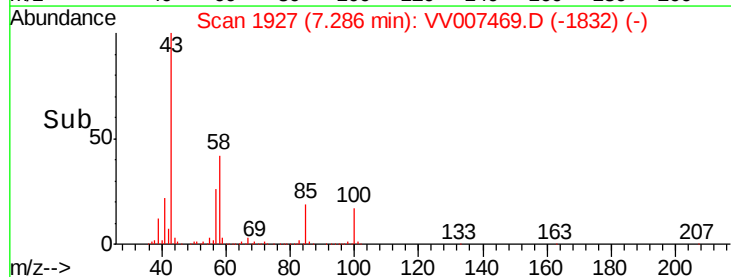
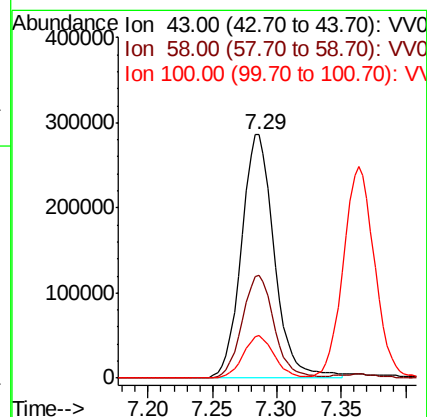
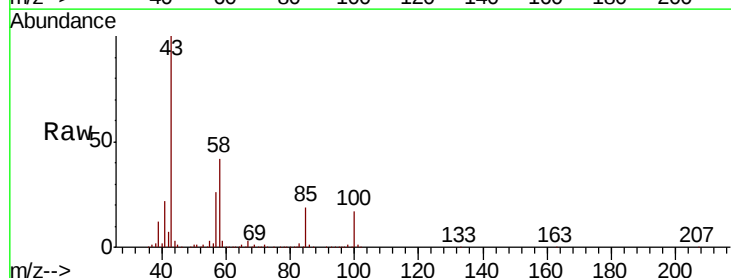
Instrument :
 MSVOA_V
 ClientSampleId :

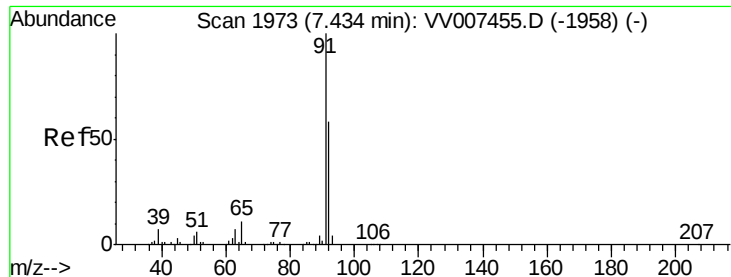
Tot Ion: 75 Resp: 269089
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 98.164 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.01 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Tgt Ion: 43 Resp: 508322
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.9 49.3
 100 16.7 13.3 19.9





#42

Toluene

Concen: 49.690 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

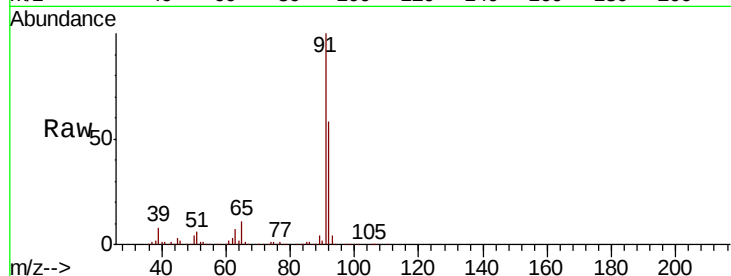
ClientSampled :

Tot Ion: 91 Resp: 779693

Ion Ratio Lower Upper

91 100

92 58.1 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV007455.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV007455.D (-1958) (-)

7.44

500000

400000

300000

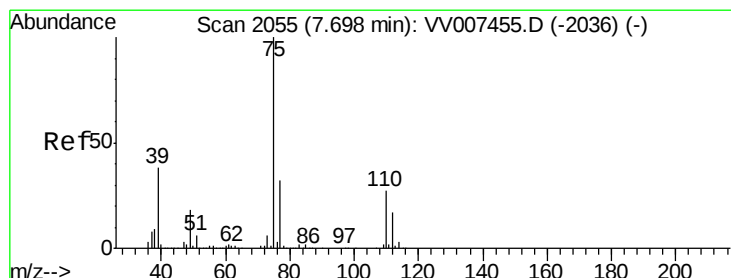
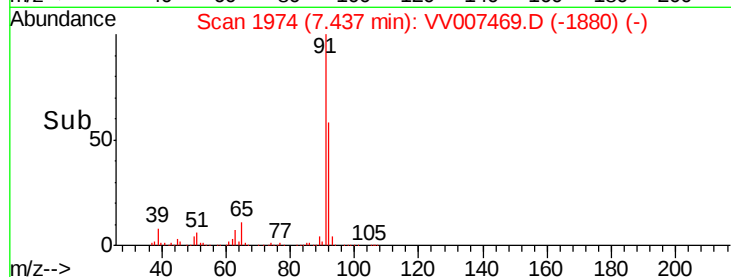
200000

100000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.588 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007469.D

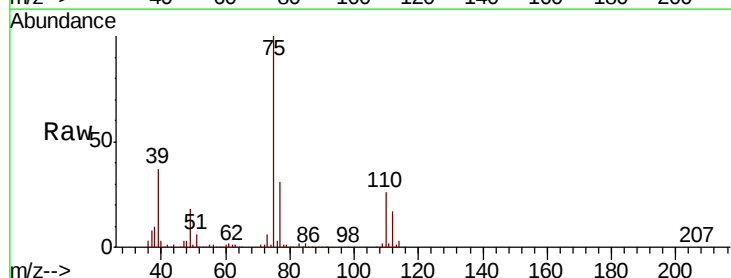
Acq: 07 Sep 2018 18:32

Tgt Ion: 75 Resp: 262210

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV007455.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV007455.D (-2036) (-)

7.70

150000

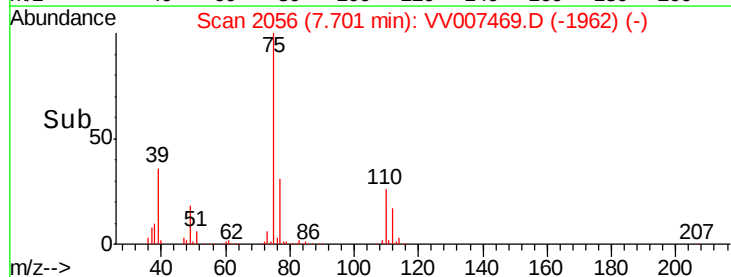
100000

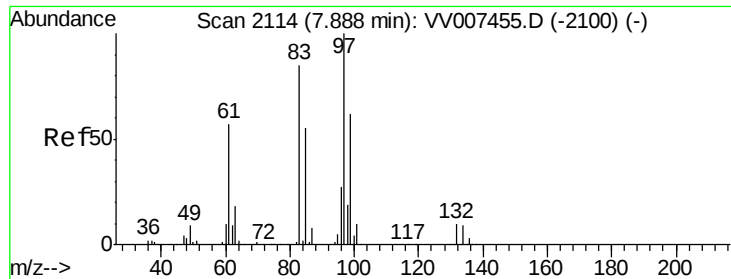
50000

0

7.60 7.65 7.70 7.75 7.80

Time-->

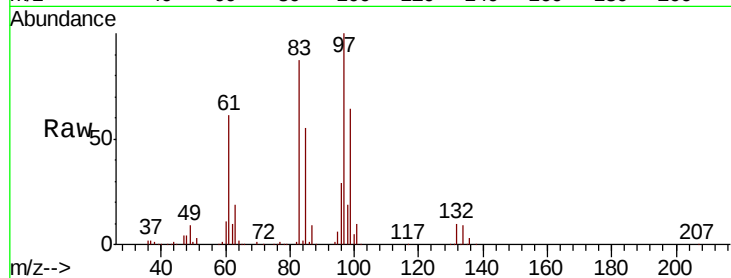




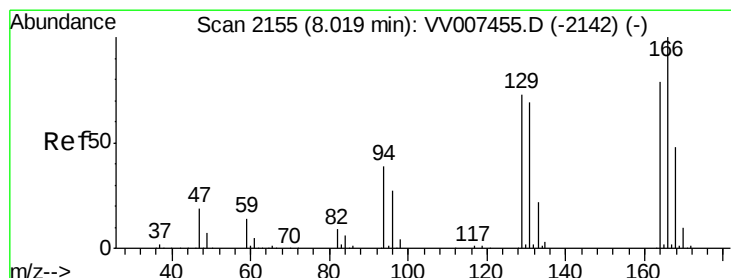
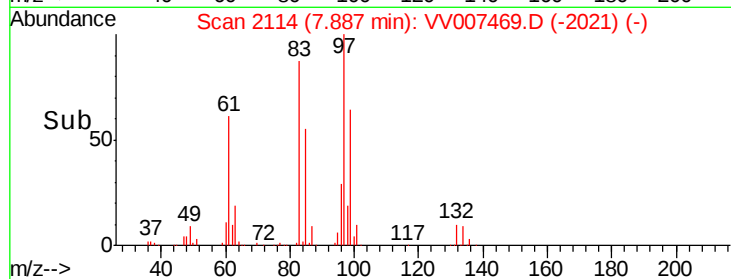
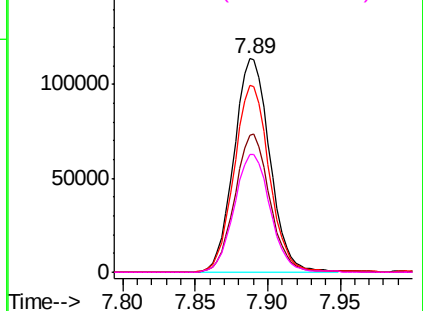
#45
 1,1,2-Trichloroethane
 Concen: 46.312 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	195930
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.0	81.6
83	87.2	60.1	111.5
85	55.1	38.4	71.2

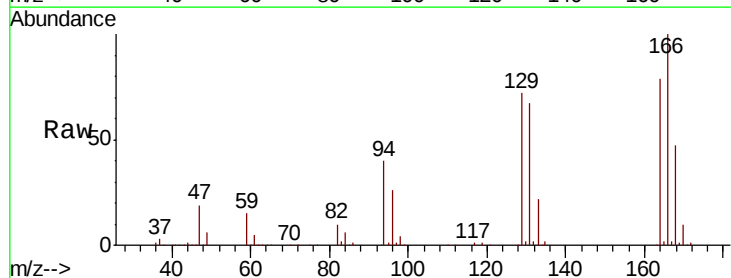


Abundance Ion 97.00 (96.70 to 97.70): VV007455.D (-2100) (-)

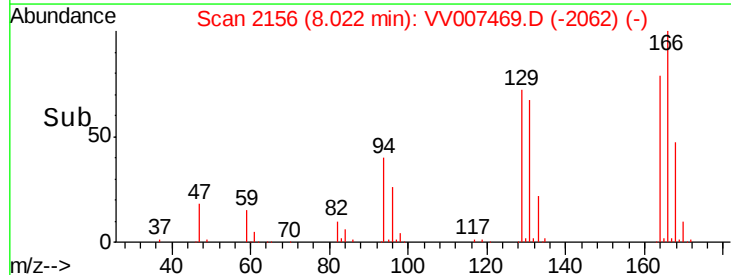
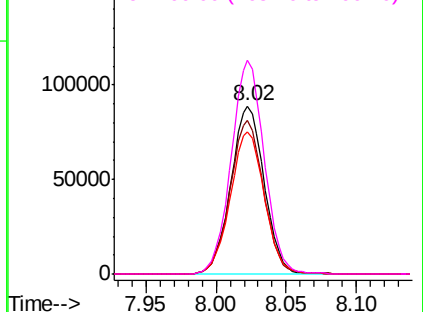


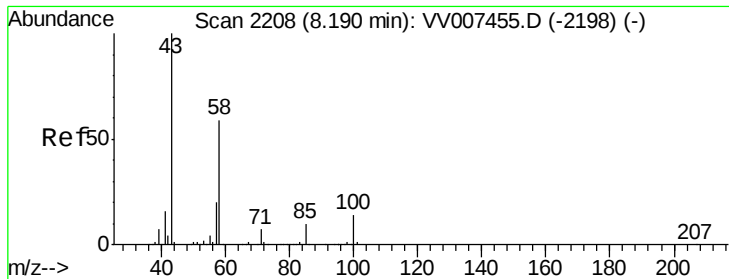
#46
 Tetrachloroethene
 Concen: 45.902 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Tgt Ion:	164	Resp:	146969
Ion	Ratio	Lower	Upper
164	100		
129	91.4	63.9	118.7
131	84.7	62.6	116.2
166	127.3	91.6	170.2



Abundance Ion 164.00 (163.70 to 164.70): VV007455.D (-2142) (-)

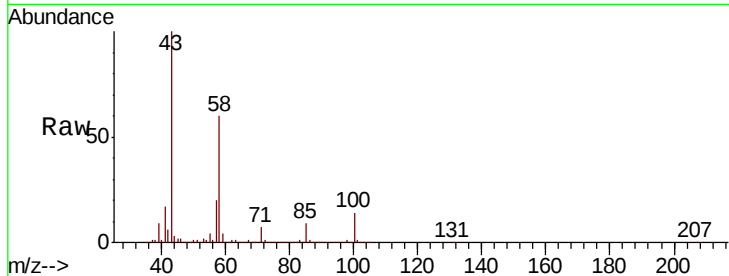




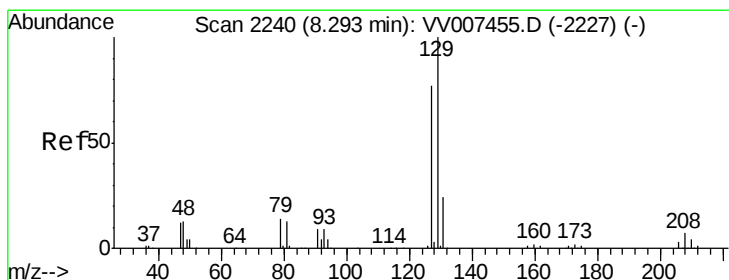
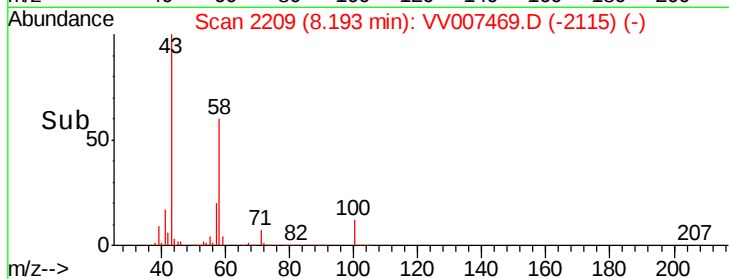
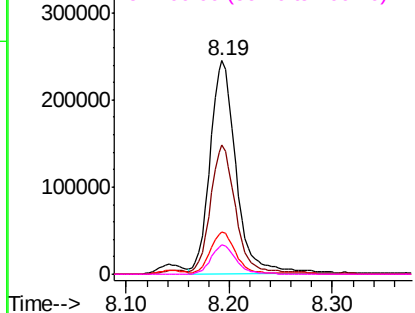
#48
2-Hexanone
Concen: 104.941 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007469.D
Acq: 07 Sep 2018 18:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 423797
Ion Ratio Lower Upper
43 100
58 56.5 48.6 72.8
57 18.9 16.2 24.2
100 13.2 11.1 16.7

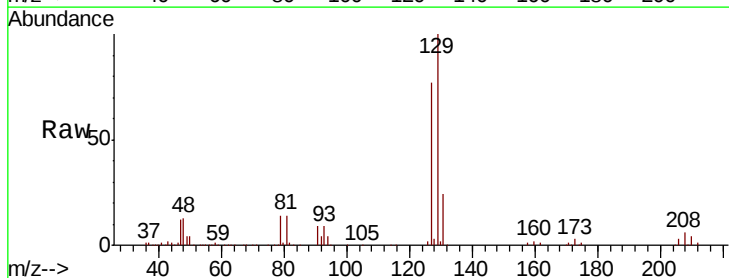


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

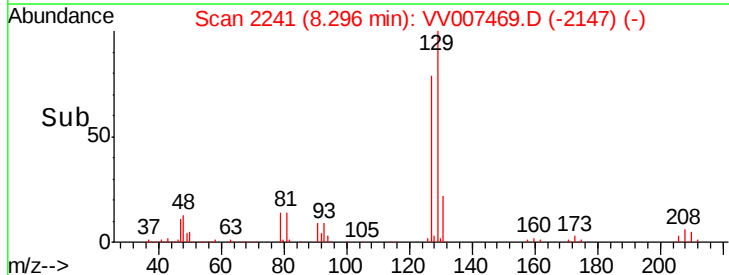
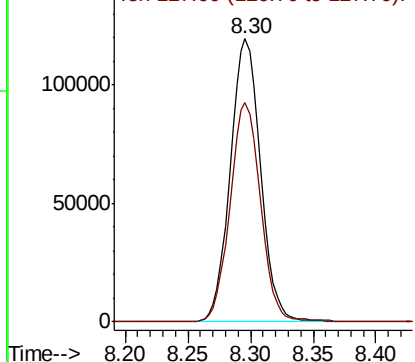


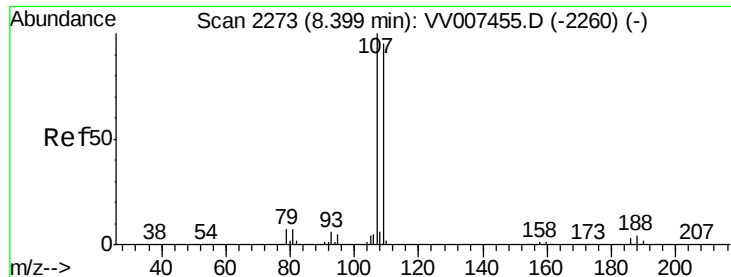
#49
Dibromochloromethane
Concen: 46.319 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007469.D
Acq: 07 Sep 2018 18:32

Tgt Ion: 129 Resp: 201000
Ion Ratio Lower Upper
129 100
127 77.4 54.0 100.4



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





#50

1,2-Dibromoethane

Concen: 46.462 ug/L

RT: 8.40 min Scan# 2274

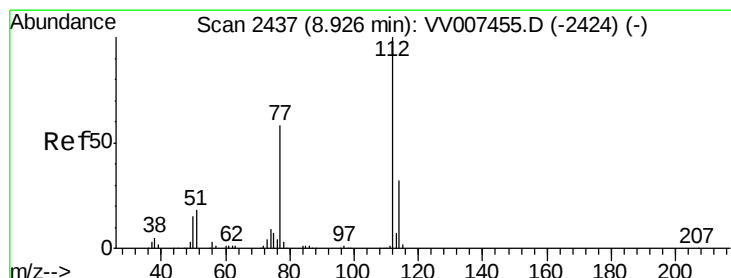
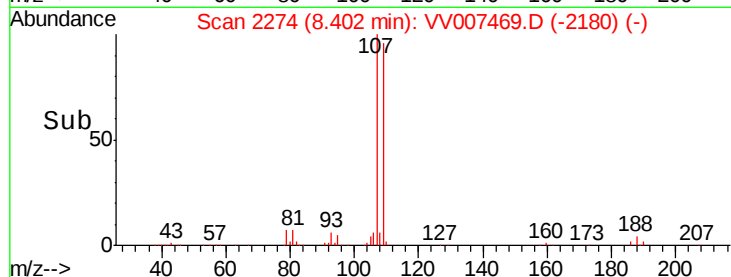
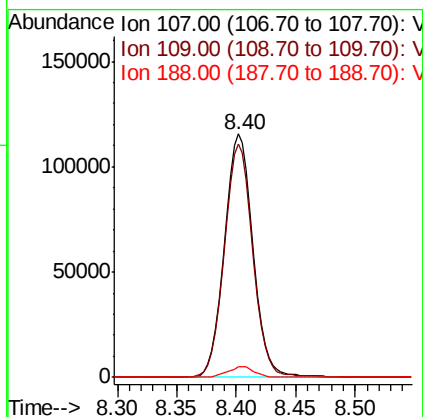
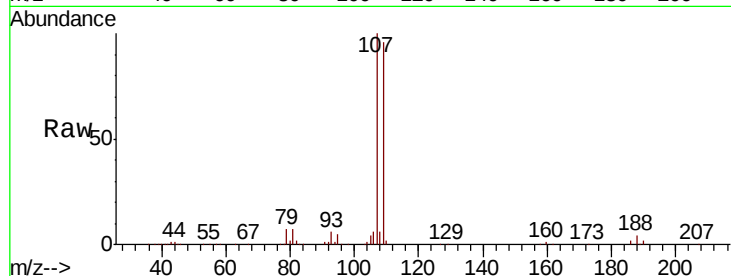
Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	191981
Ion	Ratio	Lower	Upper
107	100		
109	95.9	64.8	120.3
188	4.4	3.1	4.7



#51

Chlorobenzene

Concen: 47.186 ug/L

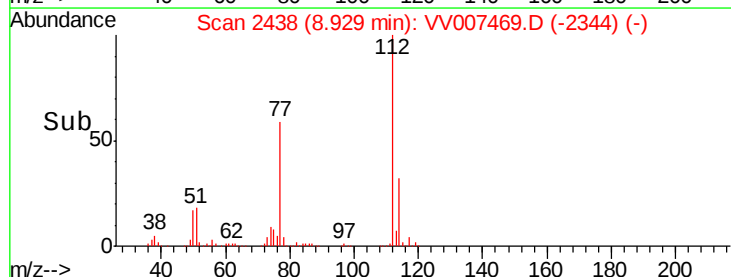
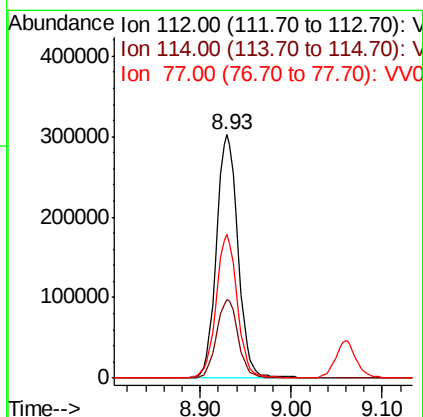
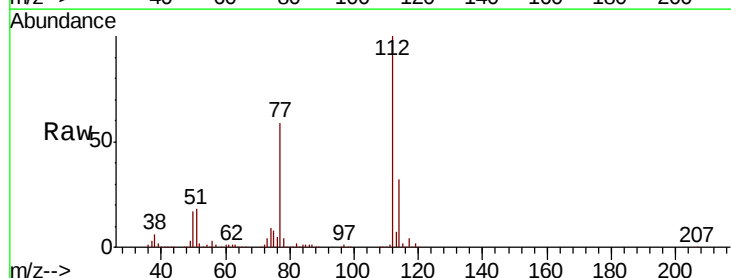
RT: 8.93 min Scan# 2438

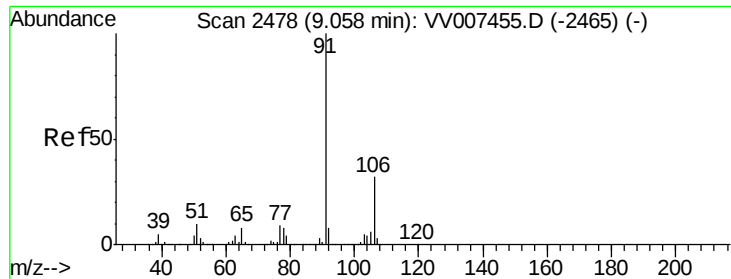
Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Tgt Ion:	112	Resp:	499973
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	58.9	46.5	69.7





#52

Ethylbenzene

Concen: 48.606 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

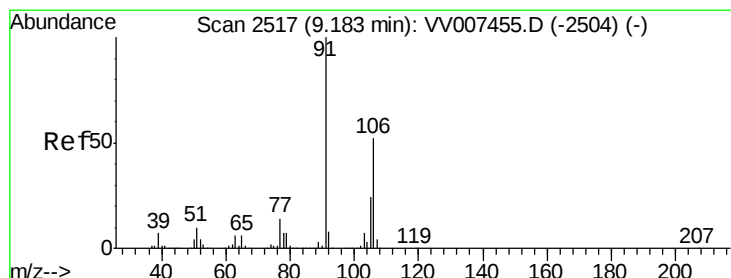
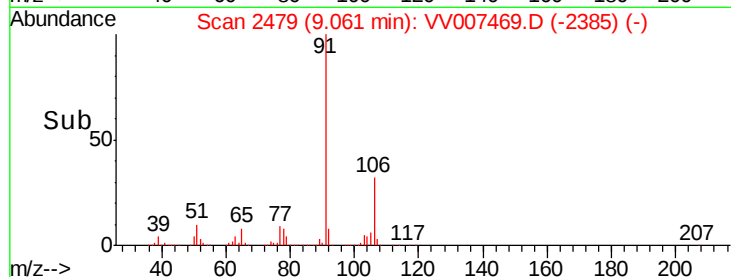
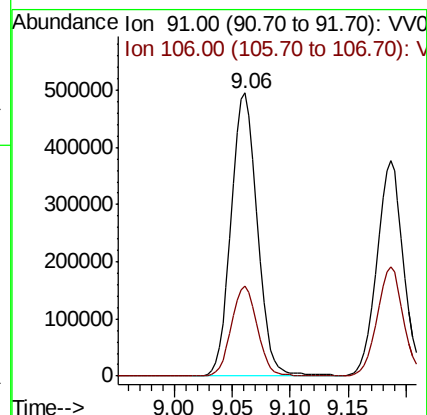
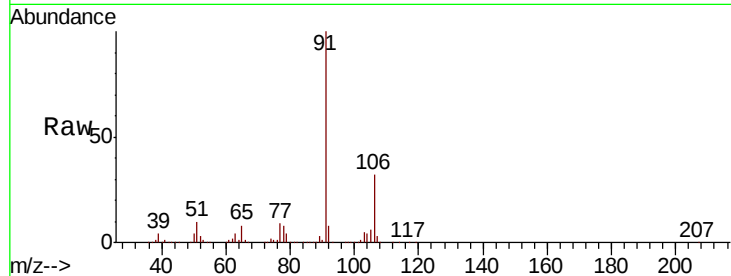
ClientSampled :

Tot Ion: 91 Resp: 773447

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 49.645 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007469.D

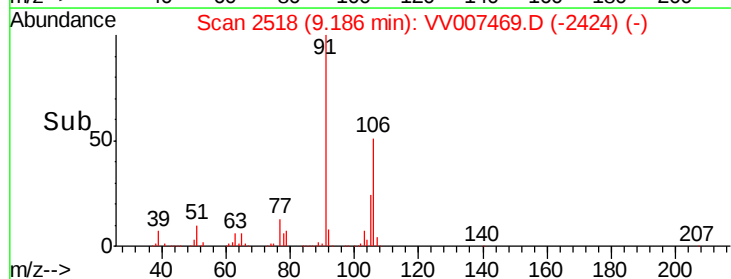
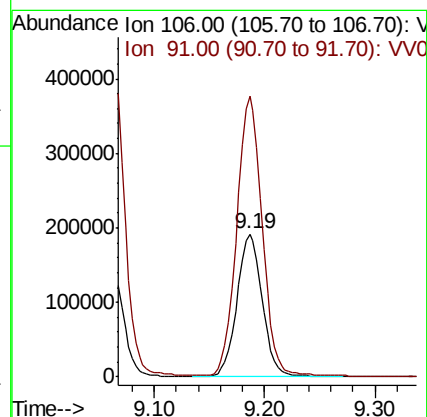
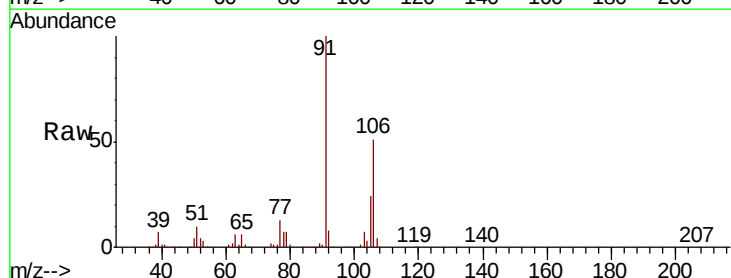
Acq: 07 Sep 2018 18:32

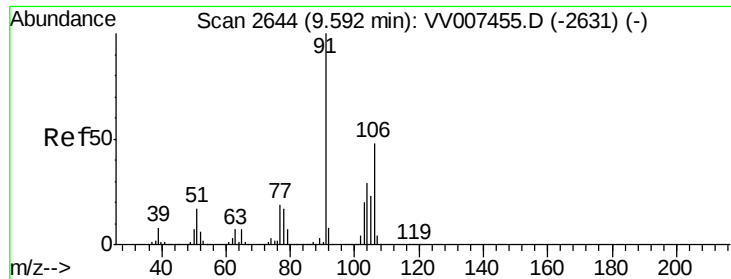
Tgt Ion: 106 Resp: 302443

Ion Ratio Lower Upper

106 100

91 196.1 138.0 256.2





#54

o-xylene

Concen: 49.175 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

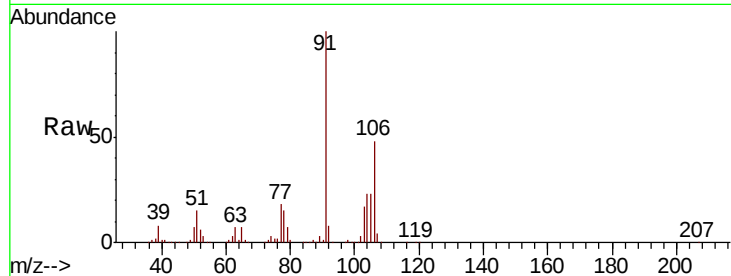
ClientSampled :

Tot Ion:106 Resp: 291306

Ion Ratio Lower Upper

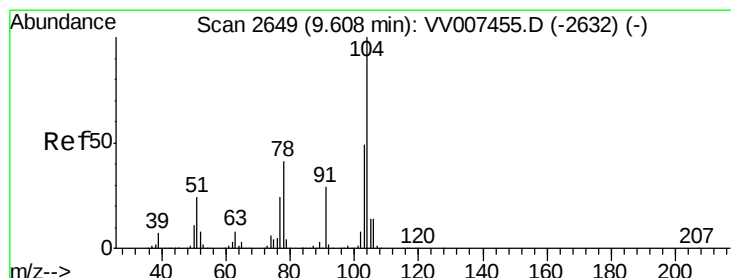
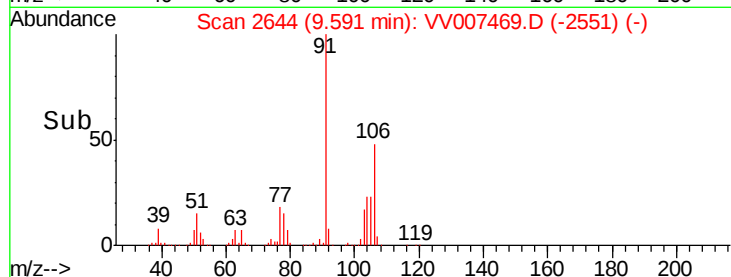
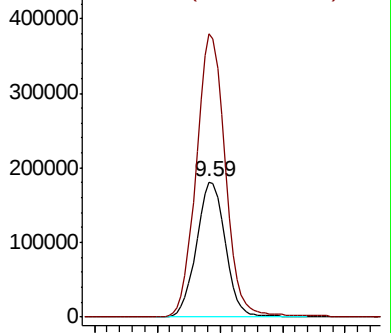
106 100

91 209.0 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.631 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007469.D

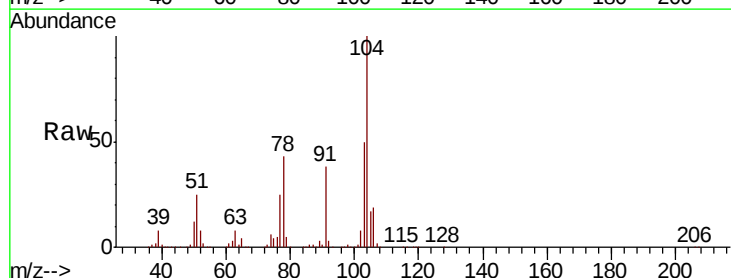
Acq: 07 Sep 2018 18:32

Tgt Ion:104 Resp: 550343

Ion Ratio Lower Upper

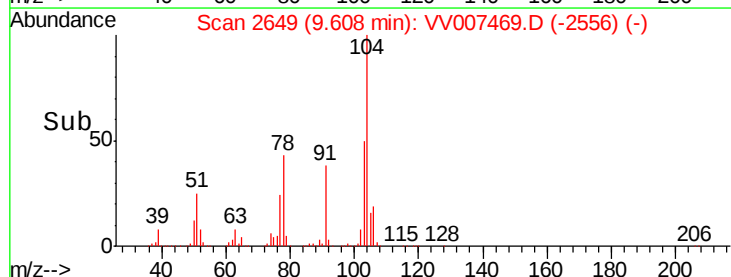
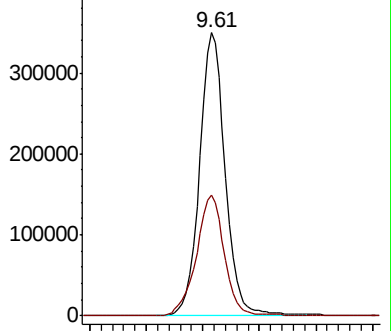
104 100

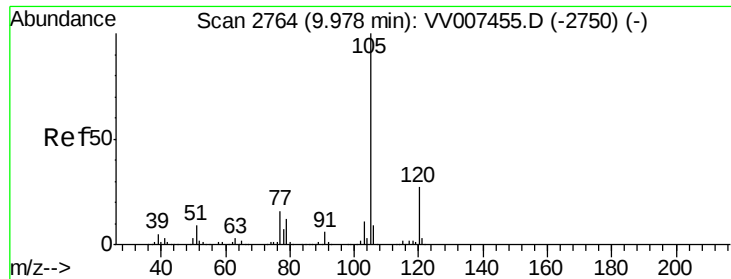
78 42.6 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

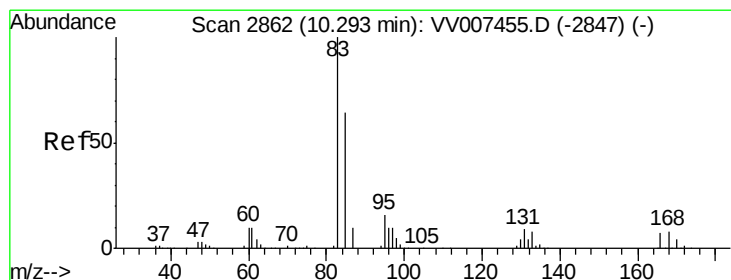
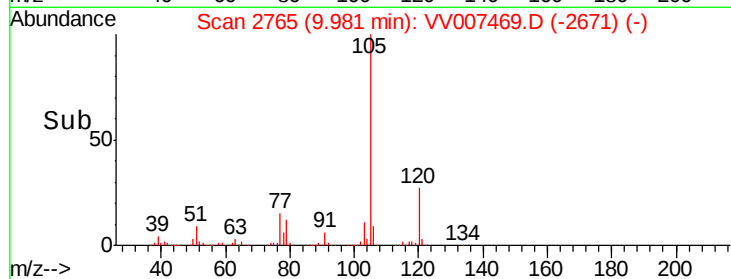
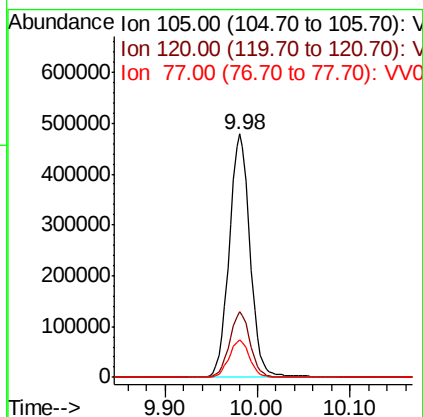
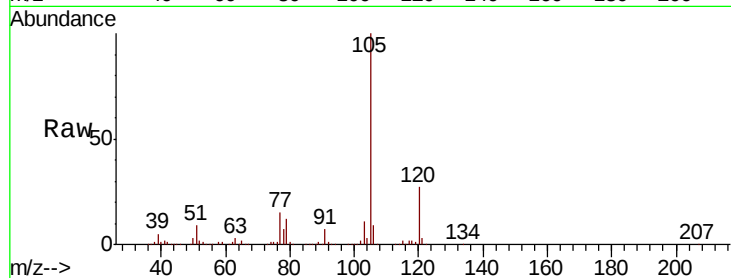




#56
Isopropylbenzene
Concen: 49.639 ug/L
RT: 9.98 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007469.D
Acq: 07 Sep 2018 18:32

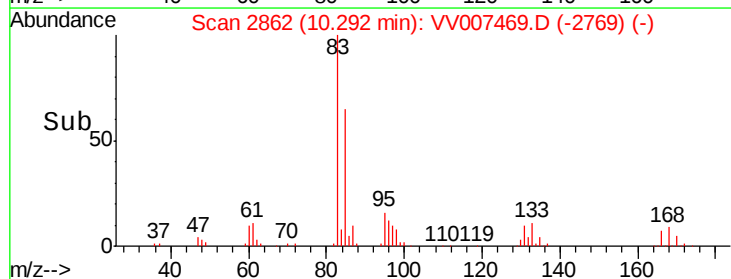
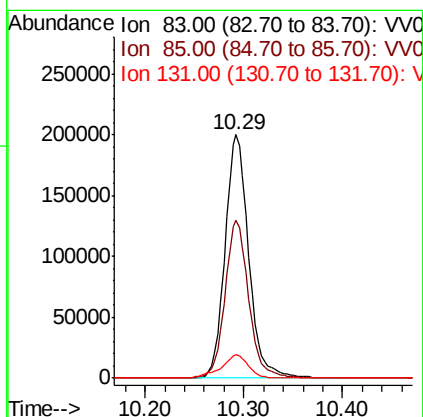
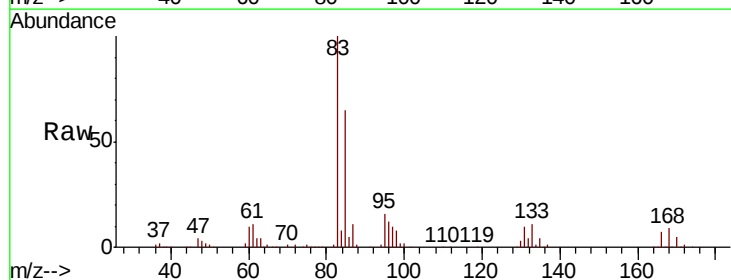
Instrument :
MSVOA_V
ClientSampleId :

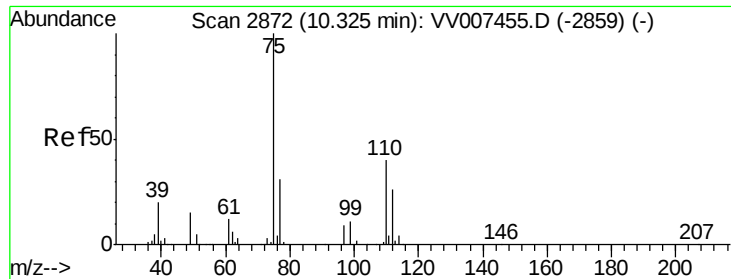
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.0
77	15.3	12.0	18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 50.258 ug/L
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VV007469.D
Acq: 07 Sep 2018 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	44.7	82.9
131	9.6	7.8	11.6

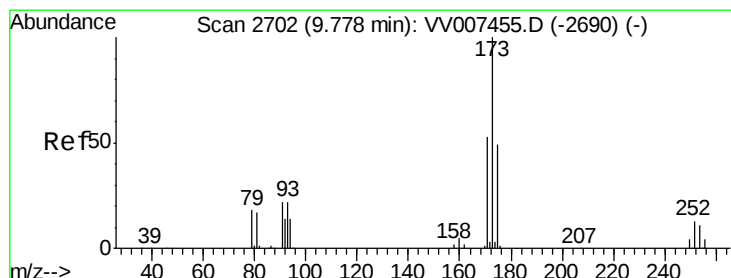
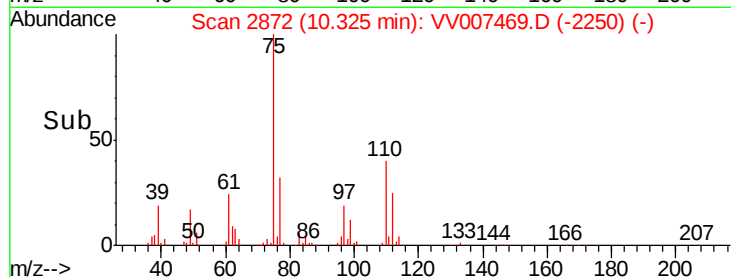
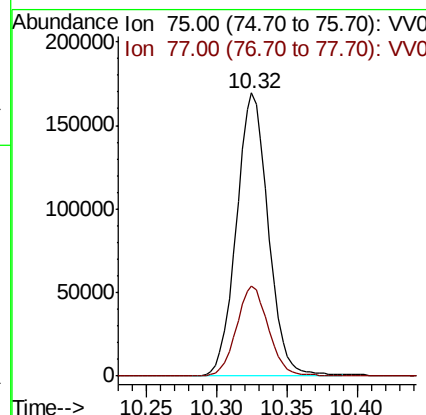
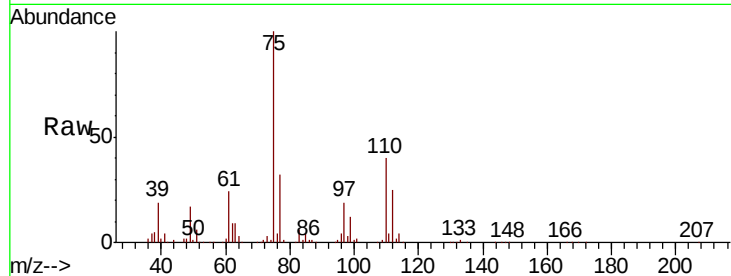




#59
 1,2,3-Trichloropropane
 Concen: 50.389 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

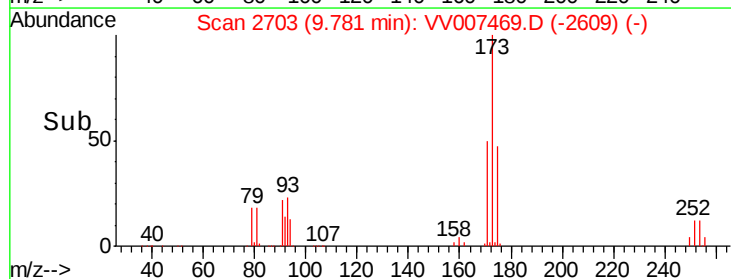
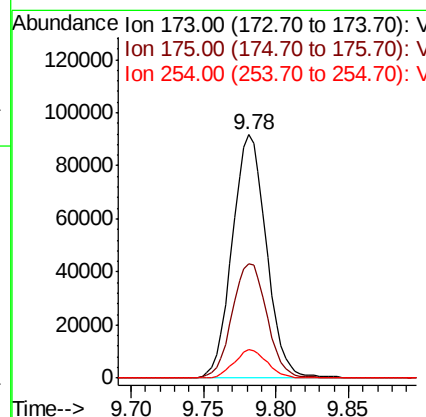
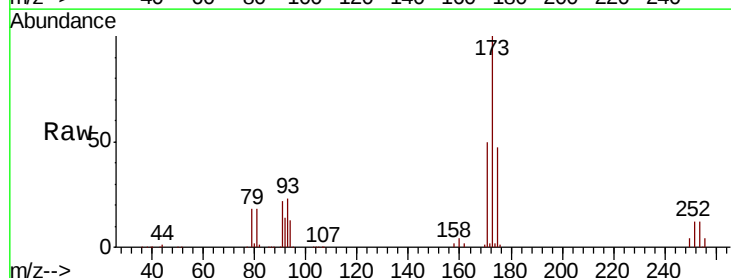
Instrument :
 MSVOA_V
 ClientSampleId :

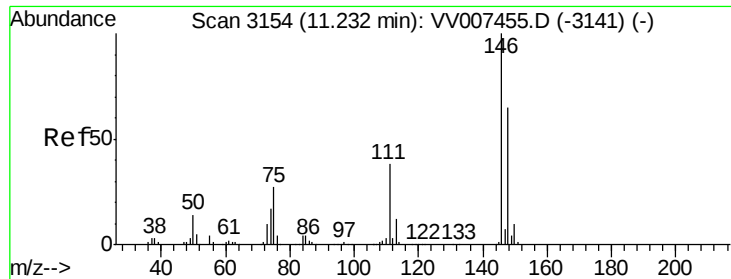
Tot Ion: 75 Resp: 268629
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3



#61
 Bromoform
 Concen: 43.869 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Tgt Ion: 173 Resp: 150294
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.0 58.6
 254 11.3 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 46.435 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007469.D

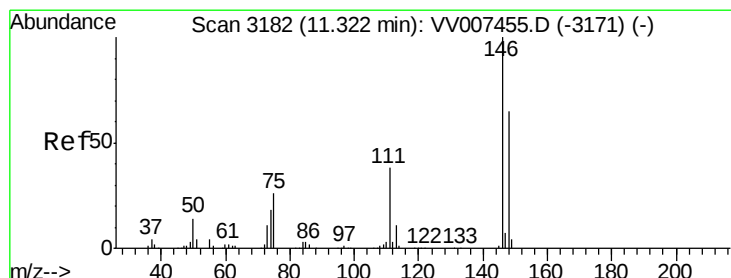
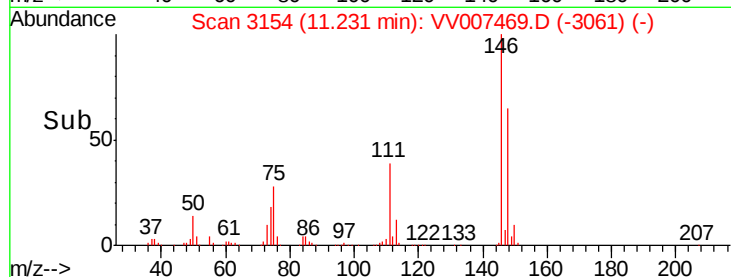
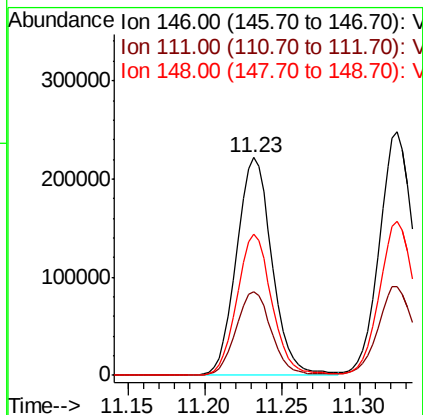
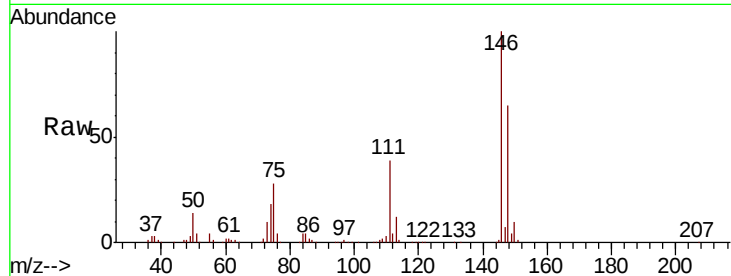
Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	354887
Ion	Ratio	Lower Upper
146	100	
111	38.7	27.5 51.1
148	64.7	45.7 84.9



#63

1,4-Dichlorobenzene

Concen: 48.334 ug/L

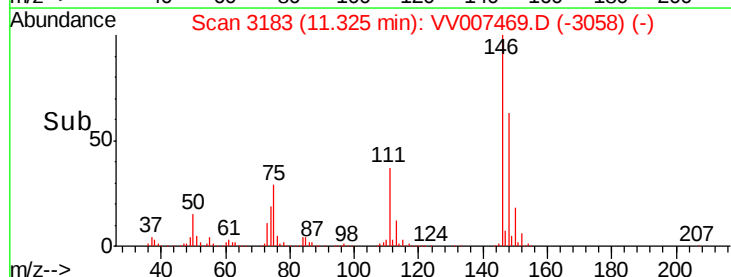
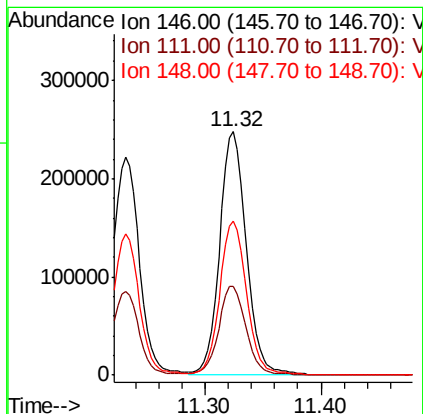
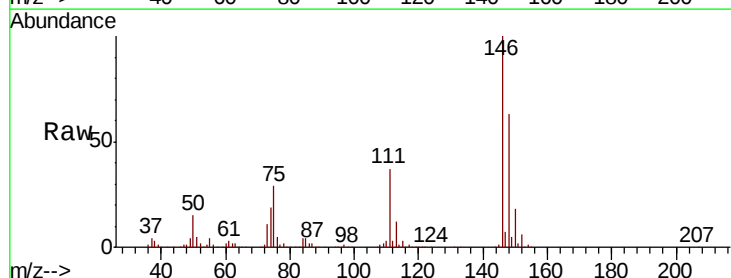
RT: 11.32 min Scan# 3183

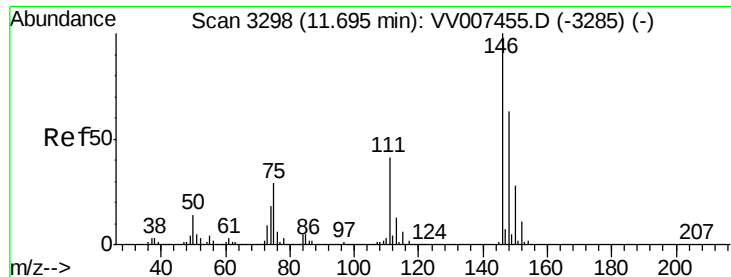
Delta R.T. 0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Tgt Ion:146	Resp:	396187
Ion	Ratio	Lower Upper
146	100	
111	36.5	25.6 47.6
148	63.3	44.2 82.0

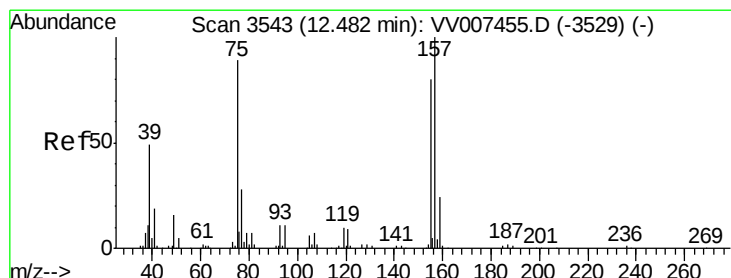
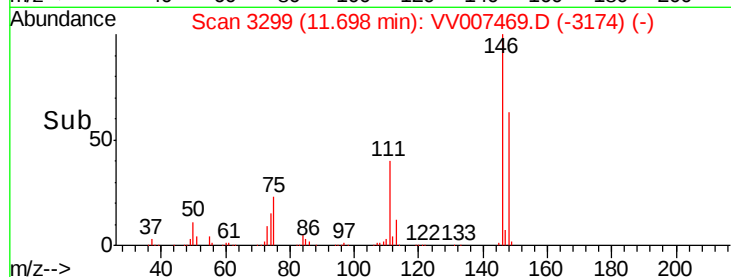
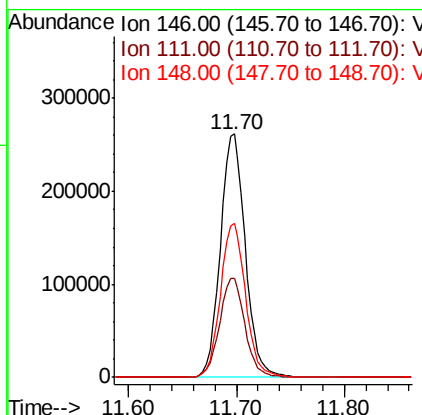
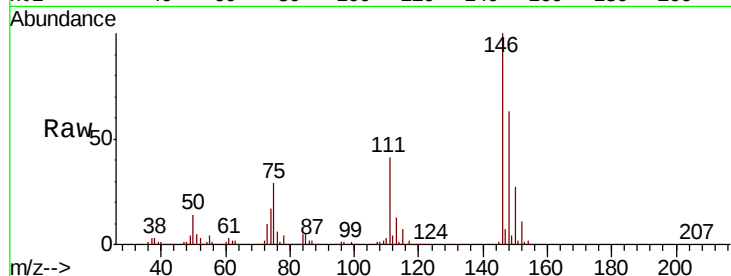




#65
 1,2-Dichlorobenzene
 Concen: 49.126 ug/L
 RT: 11.70 min Scan# 3299
 Delta R.T. 0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

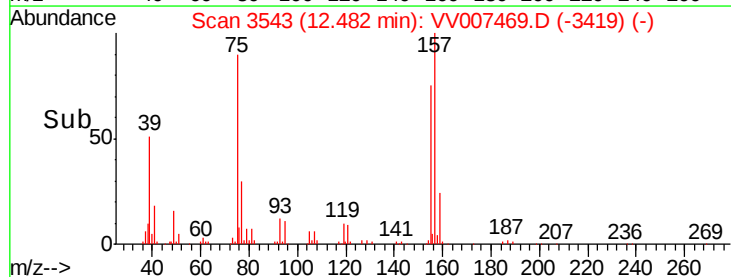
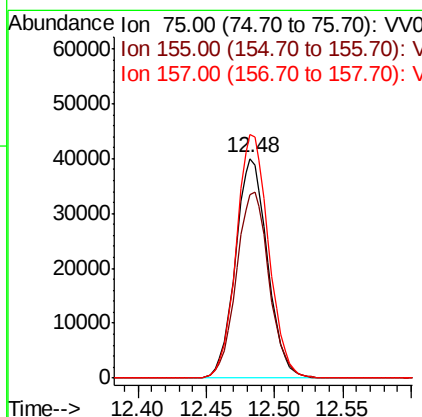
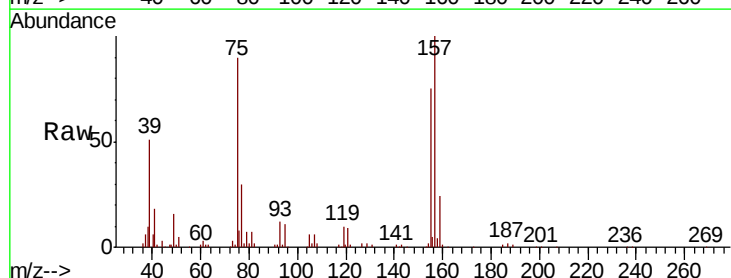
Instrument :
 MSVOA_V
 ClientSampleId :

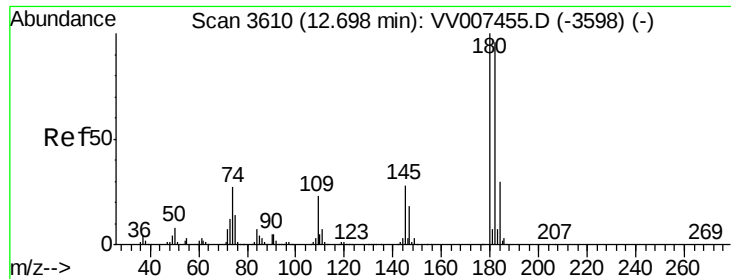
Tot Ion:146 Resp: 419733
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.7 47.5
 148 63.4 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.954 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Tgt Ion: 75 Resp: 65118
 Ion Ratio Lower Upper
 75 100
 155 83.3 70.6 105.8
 157 110.9 88.6 132.8

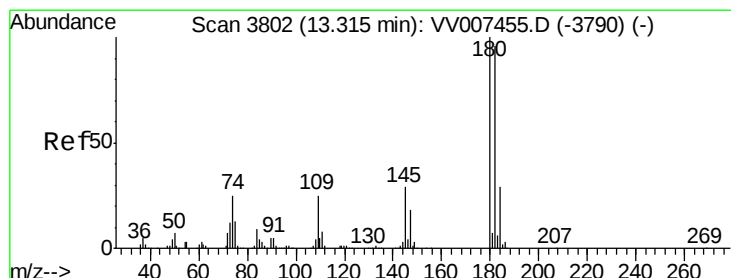
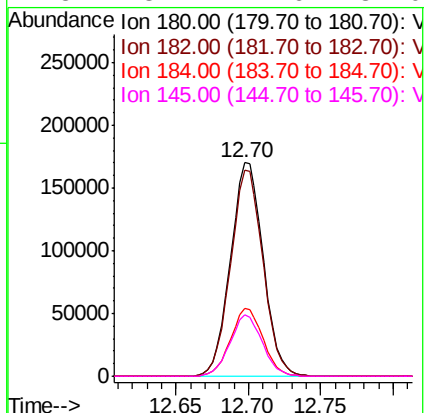
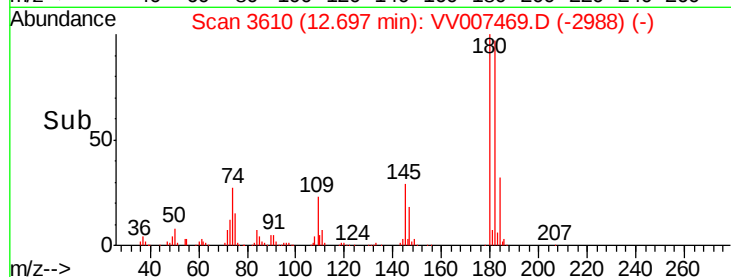
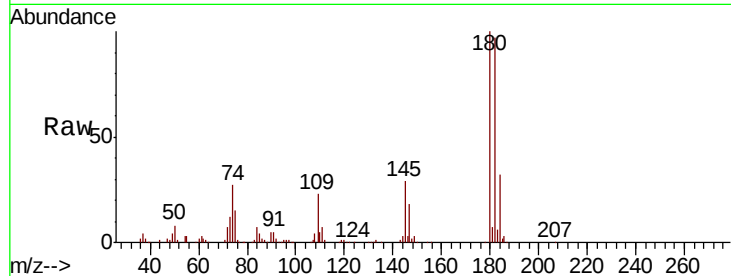




#67
 1,3,5-Trichlorobenzene
 Concen: 45.523 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

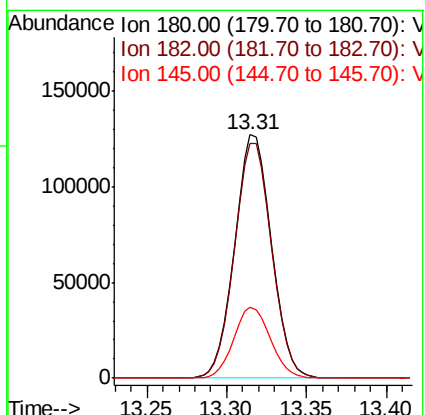
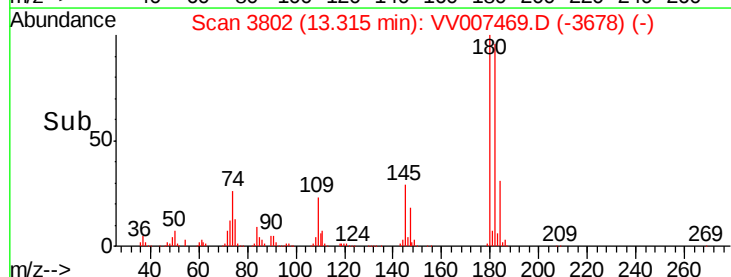
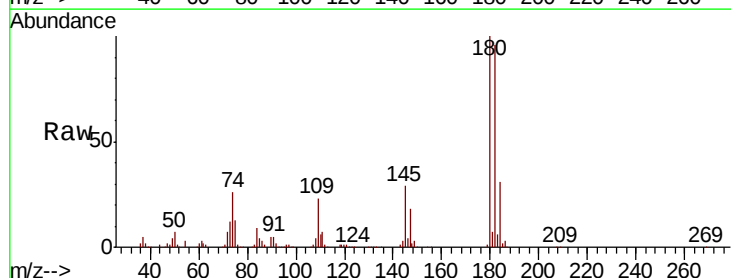
Instrument :
 MSVOA_V
 ClientSampleId :

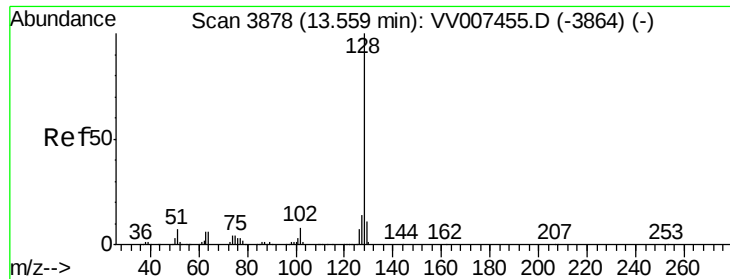
Tot Ion:180	Resp:	266981
Ion	Ratio	Lower Upper
180	100	
182	95.6	76.8 115.2
184	31.2	24.2 36.2
145	28.2	22.6 34.0



#68
 1,2,4-trichlorobenzene
 Concen: 43.732 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007469.D
 Acq: 07 Sep 2018 18:32

Tgt Ion:180	Resp:	198690
Ion	Ratio	Lower Upper
180	100	
182	97.5	77.0 115.4
145	28.9	22.9 34.3





#69

Naphthalene

Concen: 42.634 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

Instrument :

MSVOA_V

ClientSampleId :

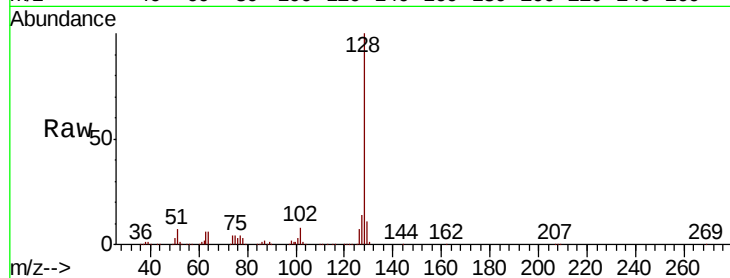
Tot Ion:128 Resp: 559058

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

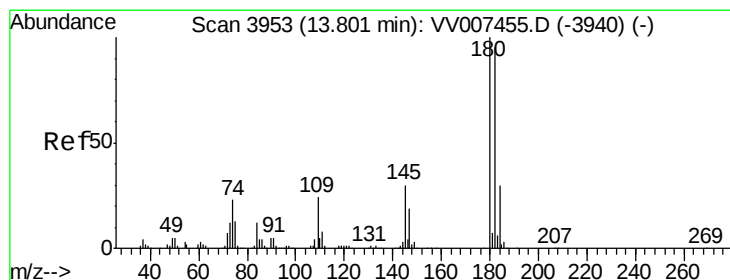
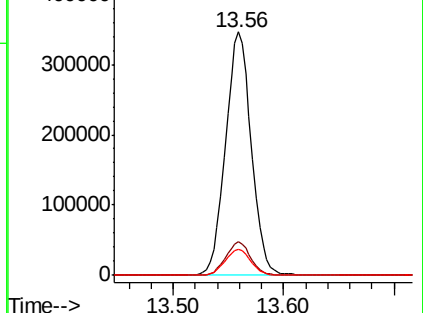
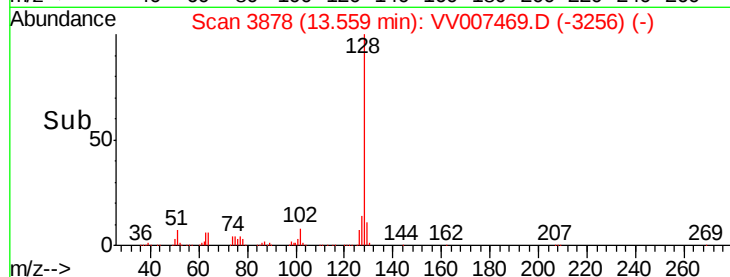
129 10.7 8.7 13.1



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: 46.464 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007469.D

Acq: 07 Sep 2018 18:32

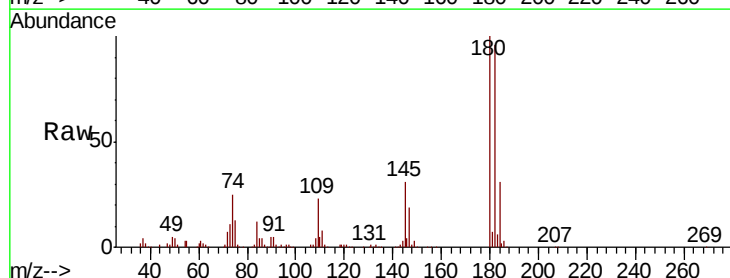
Tgt Ion:180 Resp: 233270

Ion Ratio Lower Upper

180 100

182 95.7 77.2 115.8

145 30.5 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

