

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
 Data File : VV007287.D
 Acq On : 31 Aug 2018 03:04
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 03:45:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR083018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 31 02:32:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	306394	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	306830	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	145300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127571	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	102791	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	214775	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.97	46	285275	54.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.10%
24) Chloroform-d	4.41	84	232084	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.09	65	111672	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	467765	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	144710	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	433201	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.67	79	49789	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	177025	49.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	112488	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	141859	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	144019	5.371	ug/L	# 89
3) Chloromethane	1.25	50	150656	5.080	ug/L	99
5) Vinyl chloride	1.32	62	146036	5.069	ug/L	97
6) Bromomethane	1.54	94	74251	5.189	ug/L	95
8) Chloroethane	1.60	64	86517	5.222	ug/L	98
9) Trichlorofluoromethane	1.77	101	188849	5.182	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	112787	5.146	ug/L	100
12) 1,1-Dichloroethene	2.14	96	109104	5.163	ug/L	90
13) Acetone	2.22	43	154978	53.776	ug/L	99
14) Carbon disulfide	2.32	76	350275	5.010	ug/L	99
15) Methyl Acetate	2.47	43	40023	5.564	ug/L	96
16) Methylene chloride	2.54	84	122494	4.912	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	258357	5.440	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	121217	5.170	ug/L	99
19) 1,1-Dichloroethane	3.23	63	223524	5.280	ug/L	98
21) 2-Butanone	4.06	43	314680	60.729	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	125604	4.985	ug/L	96

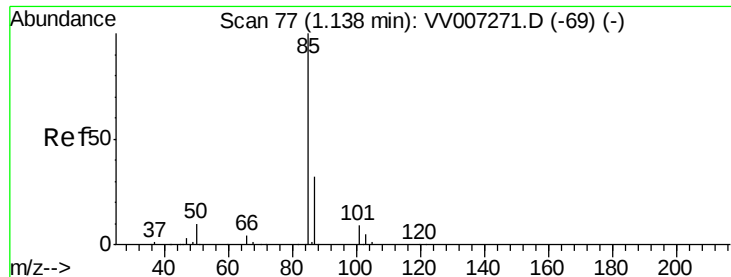
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	58490	5.350	ug/L	99
25) Chloroform	4.43	83	230782	5.232	ug/L	100
27) 1,2-Dichloroethane	5.19	62	135079	5.397	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	194222	5.117	ug/L	99
30) Cyclohexane	4.73	56	174799	4.723	ug/L	97
31) Carbon tetrachloride	4.88	117	167985	5.095	ug/L	100
33) Benzene	5.15	78	518127	5.213	ug/L	100
34) Trichloroethene	5.96	95	122853	5.030	ug/L	98
35) Methylcyclohexane	6.18	83	181044	4.663	ug/L	97
37) 1,2-Dichloropropane	6.23	63	133329	5.191	ug/L	100
38) Bromodichloromethane	6.56	83	156726	5.221	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	152086	4.703	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	702280	60.208	ug/L	99
42) Toluene	7.43	91	537178	5.412	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	130479	4.919	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	93360	5.534	ug/L	93
47) Tetrachloroethene	8.02	164	106976	5.075	ug/L	99
48) 2-Hexanone	8.20	43	533731	64.106	ug/L	95
49) Dibromochloromethane	8.30	129	103147	5.310	ug/L	93
50) 1,2-Dibromoethane	8.40	107	82423	5.520	ug/L	98
51) Chlorobenzene	8.93	112	331713	5.117	ug/L	99
52) Ethylbenzene	9.06	91	505382	5.050	ug/L	99
53) m,p-xylene	9.19	106	198272	5.122	ug/L	96
54) o-xylene	9.59	106	185887	5.159	ug/L	99
55) Styrene	9.61	104	341318	5.444	ug/L	99
56) Isopropylbenzene	9.98	105	474412	5.091	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	110385	5.513	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	78492	5.611	ug/L	99
61) Bromoform	9.78	173	57234	5.312	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	226621	4.986	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	243335	5.117	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	236378	5.299	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15614	5.581	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	179021	4.888	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	134646	4.688	ug/L	100
69) Naphthalene	13.56	128	189252	4.699	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	133975	4.950	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.371 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

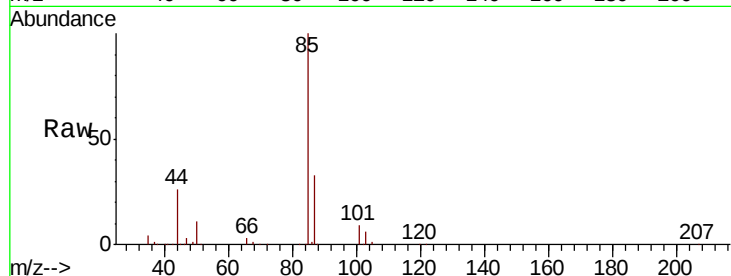
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 144019

Ion Ratio Lower Upper

85 100

87 32.5 21.4 32.0#



Abundance Ion 85.00 (84.70 to 85.70): VV007287.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007287.D (-1) (-)

1.14

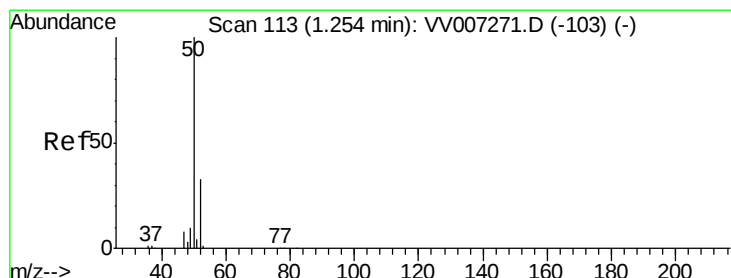
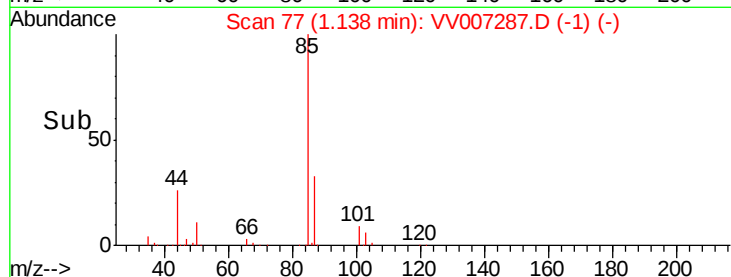
150000

100000

50000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 5.080 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007287.D

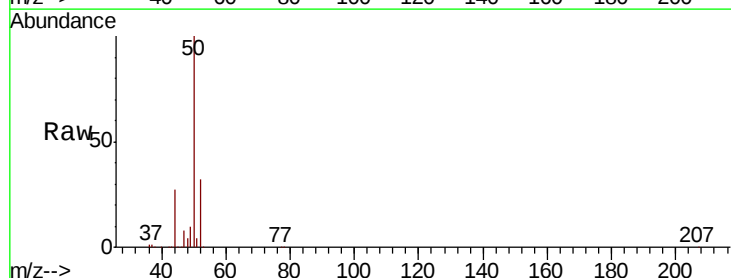
Acq: 31 Aug 2018 03:04

Tgt Ion: 50 Resp: 150656

Ion Ratio Lower Upper

50 100

52 32.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VV007287.D (-20) (-)

Ion 52.05 (51.75 to 52.75): VV007287.D (-20) (-)

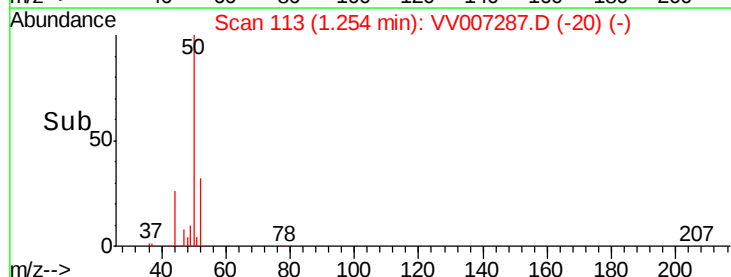
1.25

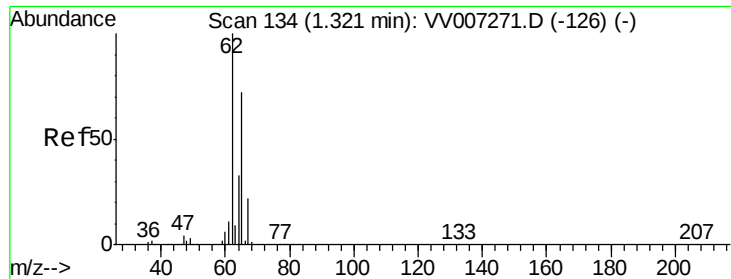
100000

50000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.069 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

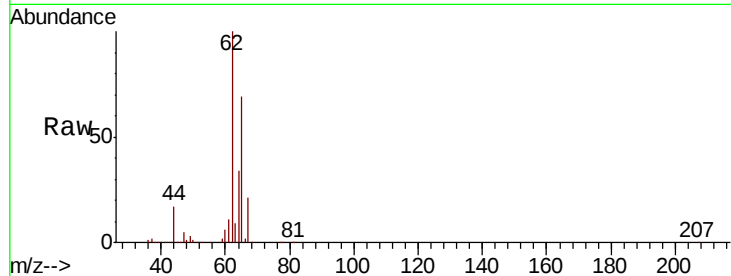
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 146036

Ion Ratio Lower Upper

62 100

64 34.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV007287.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV007287.D (-126) (-)

1.32

150000

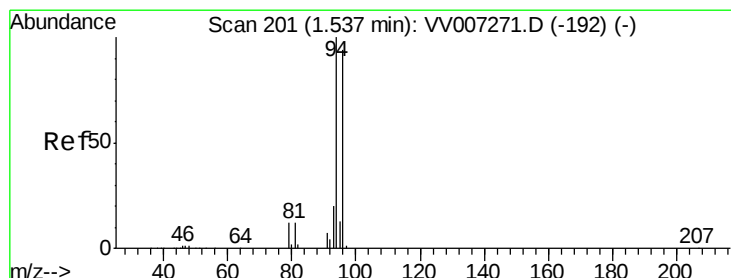
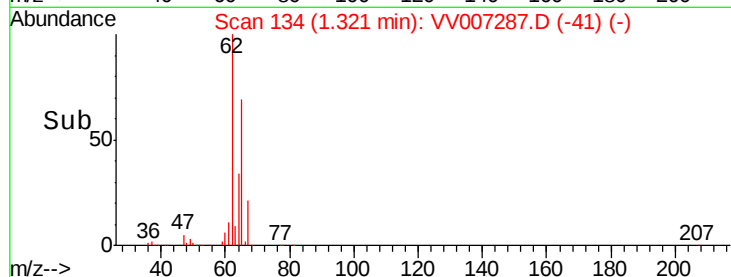
100000

50000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 5.189 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007287.D

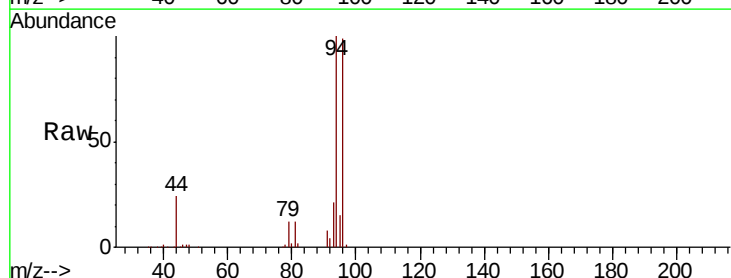
Acq: 31 Aug 2018 03:04

Tgt Ion: 94 Resp: 74251

Ion Ratio Lower Upper

94 100

96 99.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007287.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007287.D (-192) (-)

1.54

60000

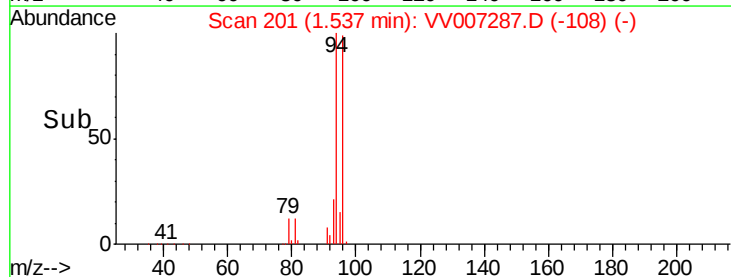
40000

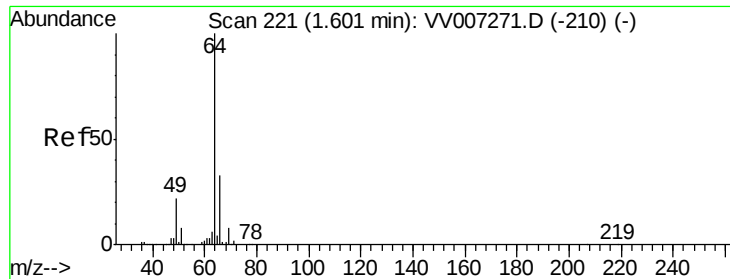
20000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.222 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

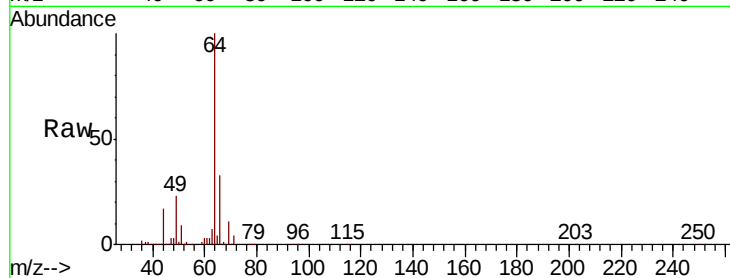
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 86517

Ion Ratio Lower Upper

64 100

66 32.7 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007287.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV007287.D (-128) (-)

1.60

80000

60000

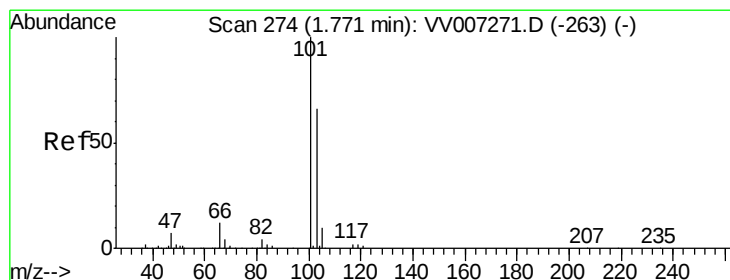
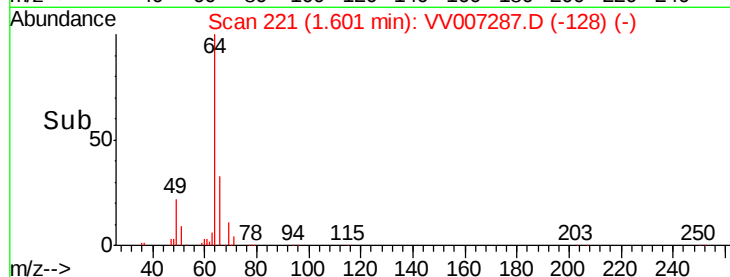
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.182 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007287.D

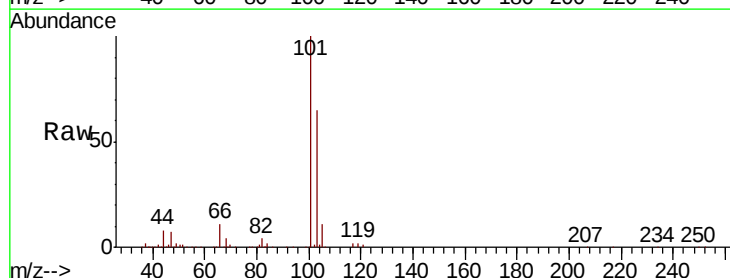
Acq: 31 Aug 2018 03:04

Tgt Ion:101 Resp: 188849

Ion Ratio Lower Upper

101 100

103 65.0 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VV007287.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV007287.D (-181) (-)

1.77

150000

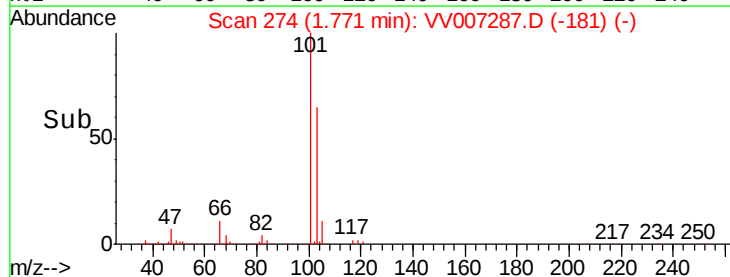
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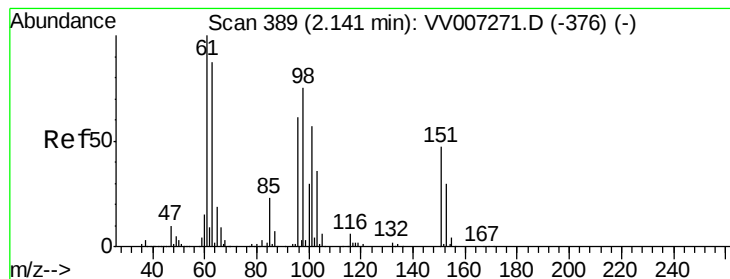
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.146 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

ClientSampled :

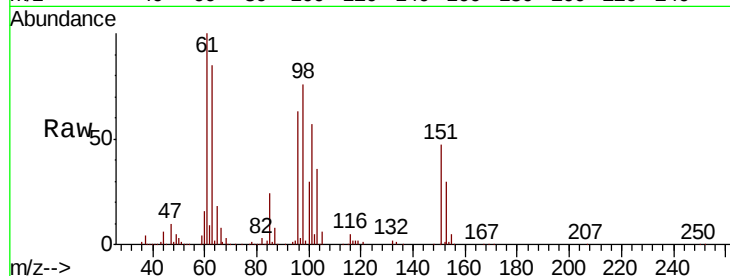
Tot Ion:101 Resp: 112787

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

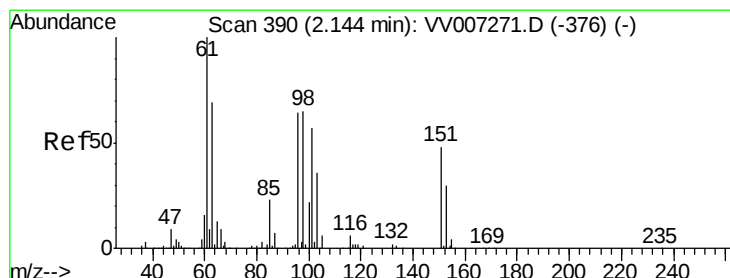
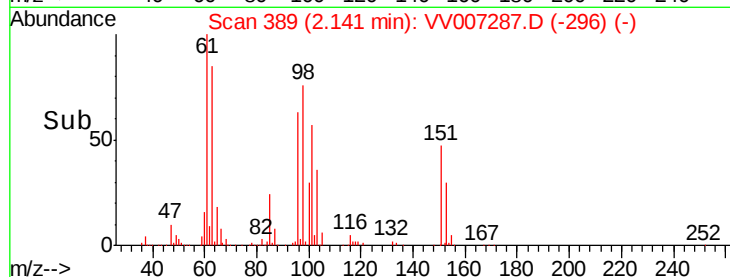
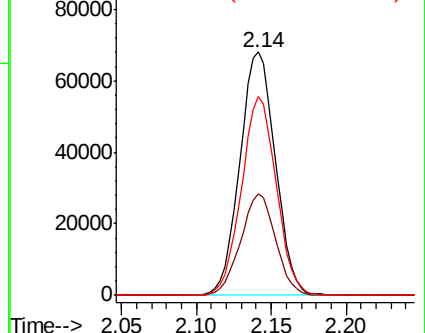
151 80.1 64.2 96.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.163 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

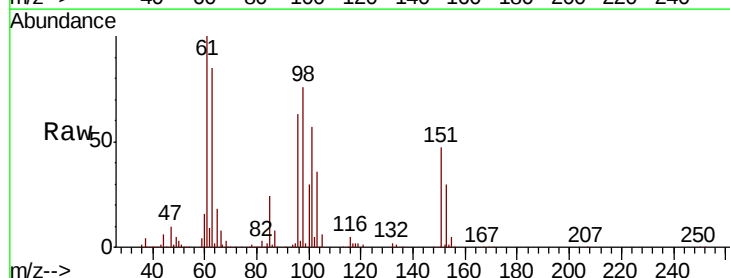
Tgt Ion: 96 Resp: 109104

Ion Ratio Lower Upper

96 100

61 158.0 108.8 202.0

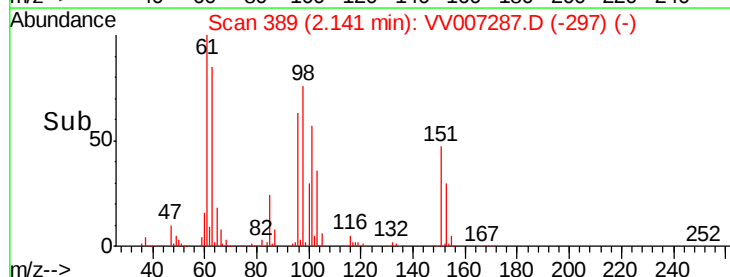
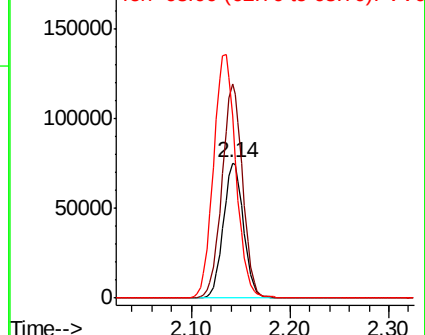
63 134.7 78.0 144.9

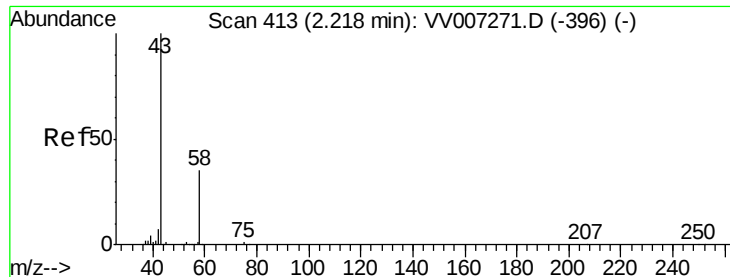


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 53.776 ug/L

RT: 2.22 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

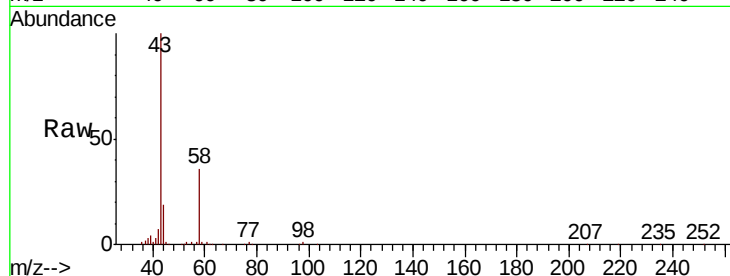
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 154978

Ion Ratio Lower Upper

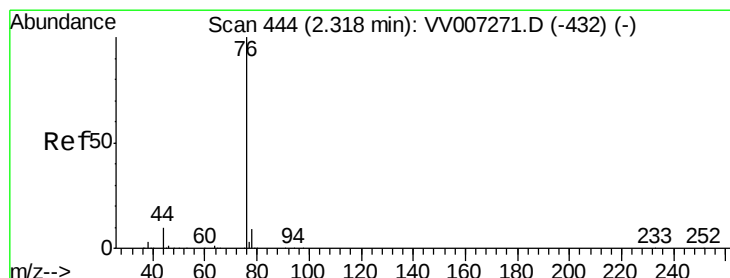
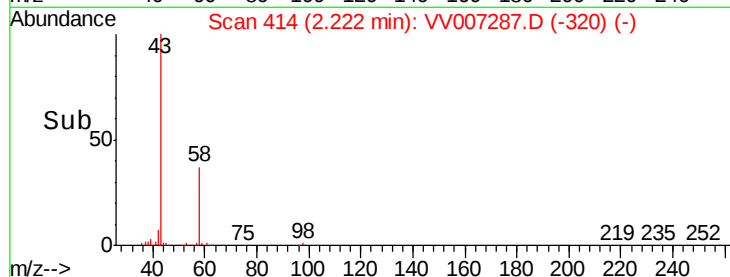
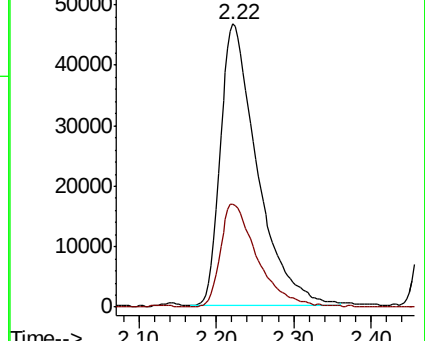
43 100

58 36.4 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VV007287.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007287.D (-396) (-)



#14

Carbon disulfide

Concen: 5.010 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007287.D

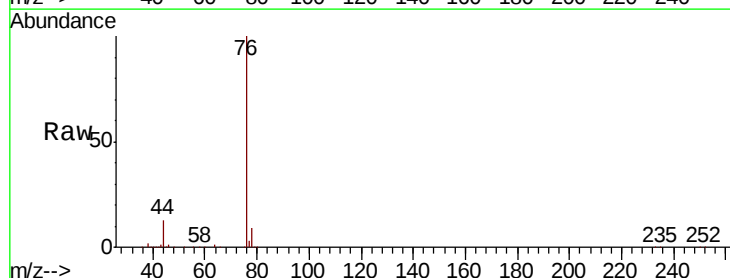
Acq: 31 Aug 2018 03:04

Tgt Ion: 76 Resp: 350275

Ion Ratio Lower Upper

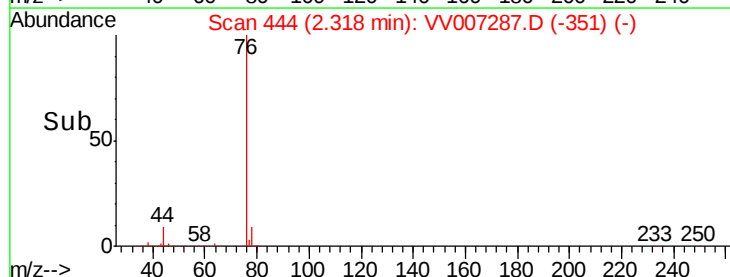
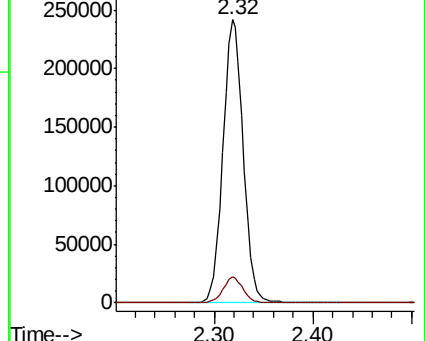
76 100

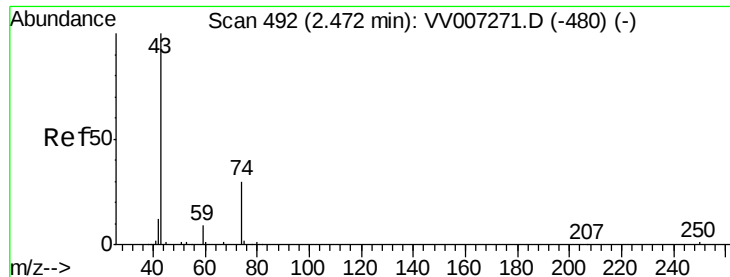
78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007287.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007287.D (-432) (-)





#15

Methvl Acetate

Concen: 5.564 ug/L

RT: 2.47 min Scan# 492

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

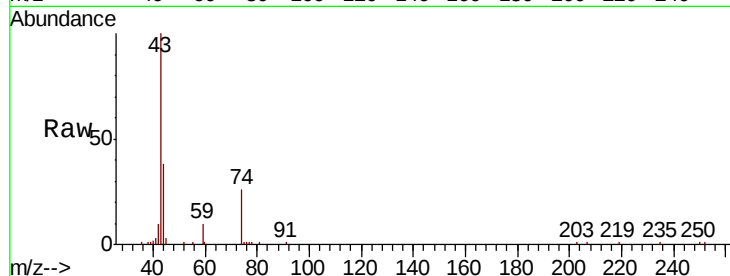
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 40023

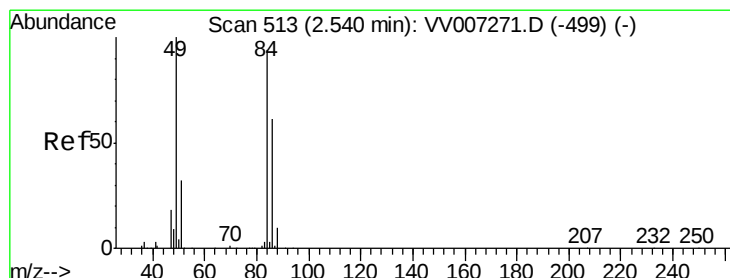
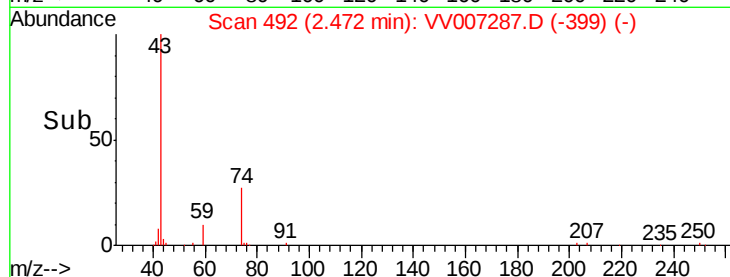
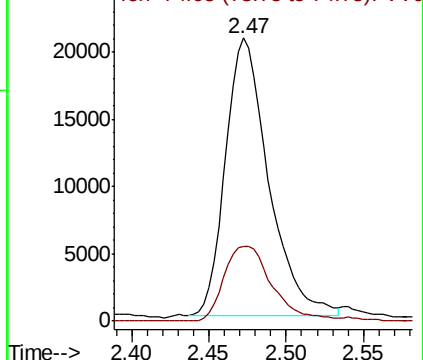
Ion Ratio Lower Upper

43 100

74 30.0 22.5 33.7



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.912 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

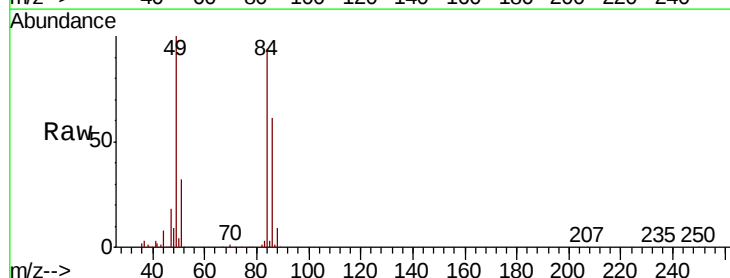
Tgt Ion: 84 Resp: 122494

Ion Ratio Lower Upper

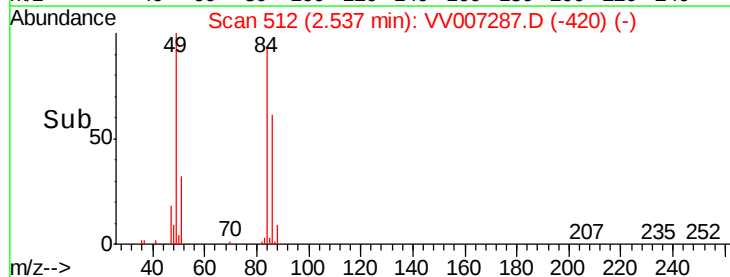
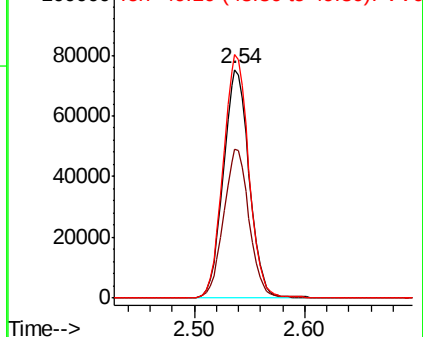
84 100

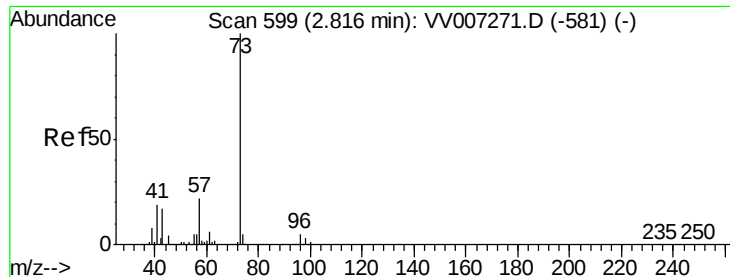
86 65.2 44.8 83.2

49 106.5 75.2 139.6



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

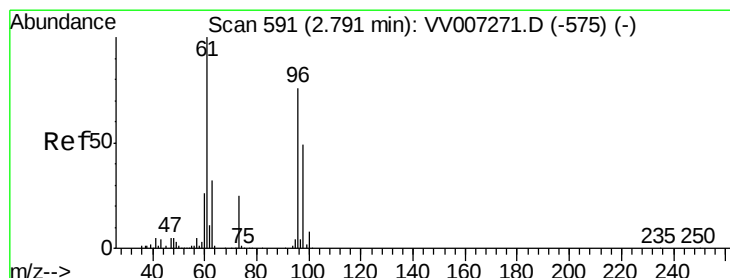
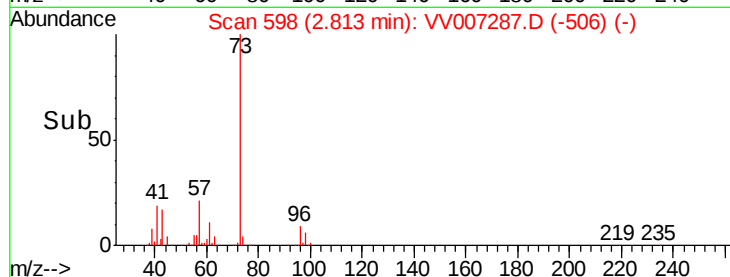
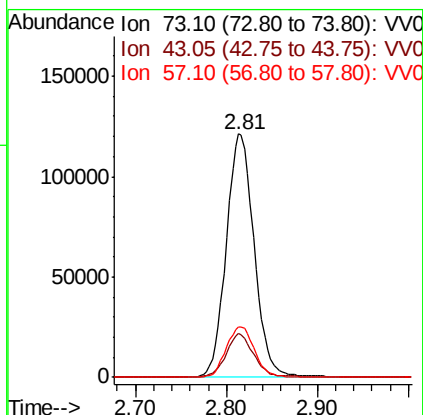
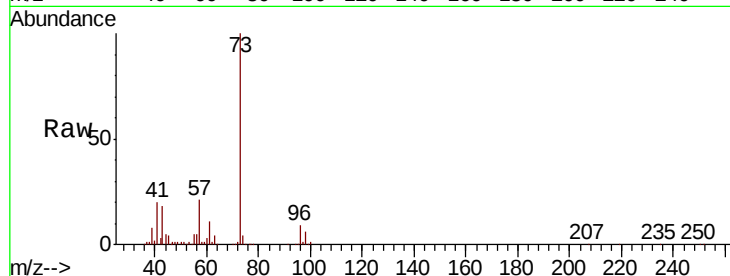




#17
Methvl tert-butvl Ether
Concen: 5.440 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

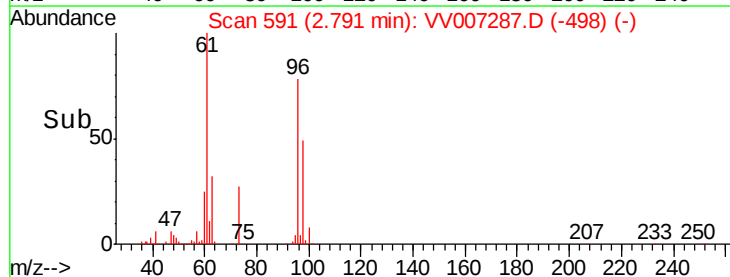
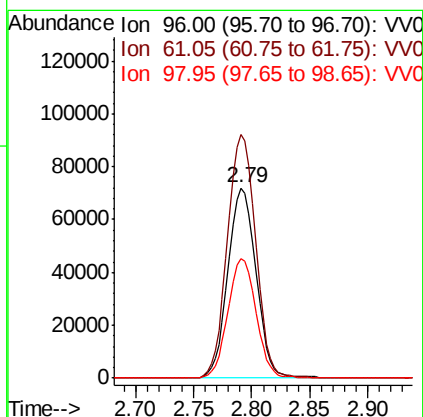
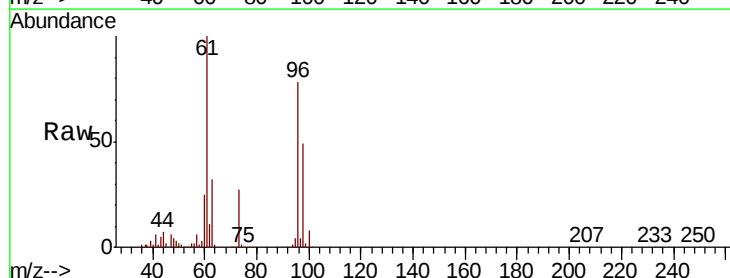
Instrument :
MSVOA_V
ClientSampleId :

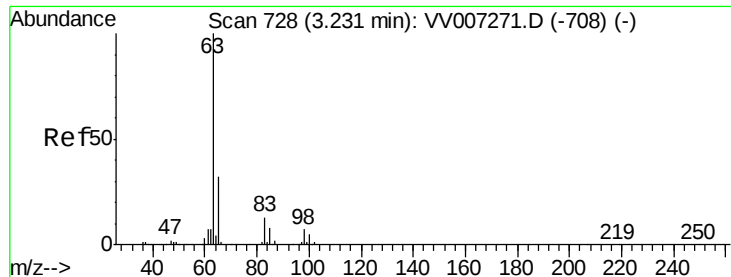
Tot Ion: 73 Resp: 258357
Ion Ratio Lower Upper
73 100
43 17.5 13.2 19.8
57 21.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.170 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Tgt Ion: 96 Resp: 121217
Ion Ratio Lower Upper
96 100
61 127.9 89.5 166.3
98 63.0 45.3 84.1

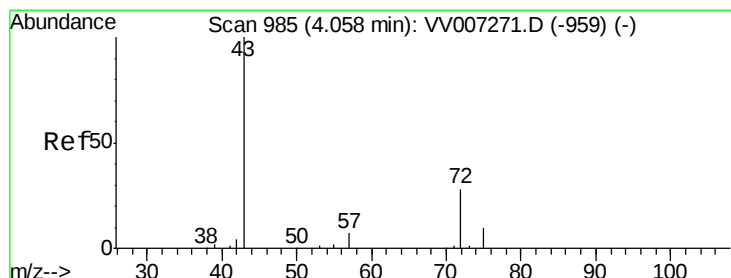
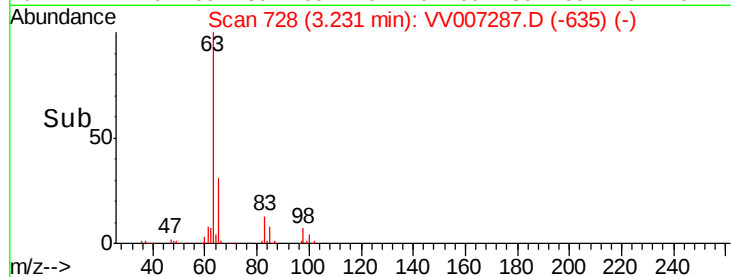
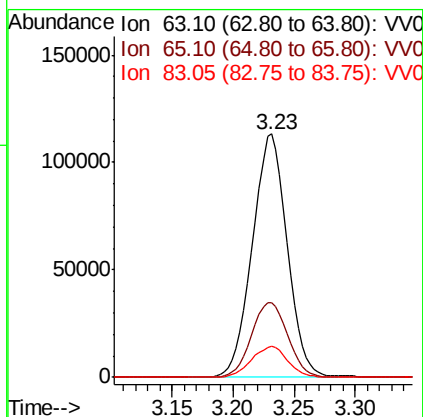
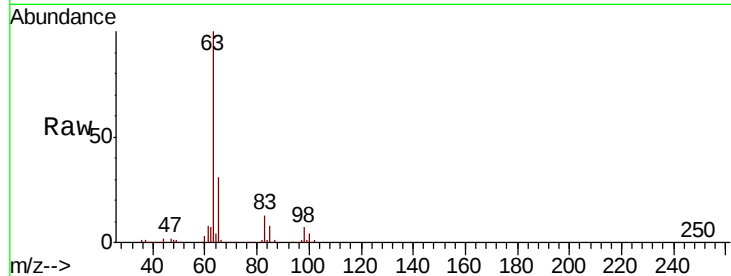




#19
 1,1-Dichloroethane
 Concen: 5.280 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

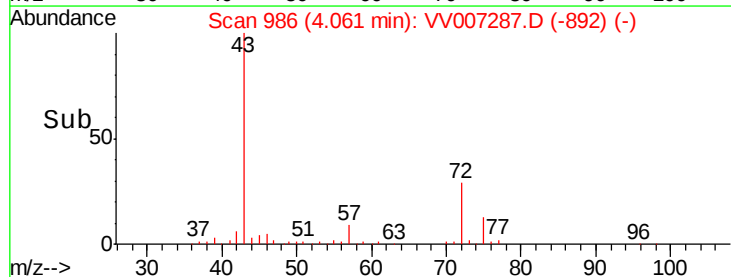
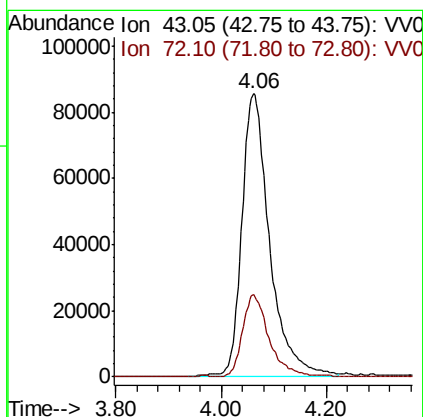
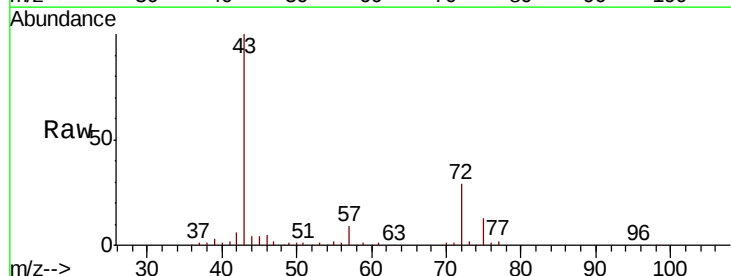
Instrument :
 MSVOA_V
 ClientSampled :

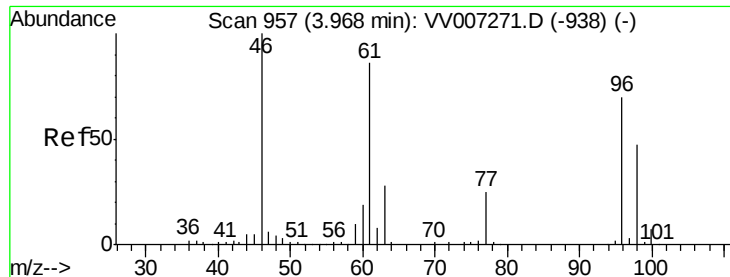
Tot Ion: 63 Resp: 223524
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.1 41.1
 83 12.6 9.4 17.6



#21
 2-Butanone
 Concen: 60.729 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Tgt Ion: 43 Resp: 314680
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.1 42.3



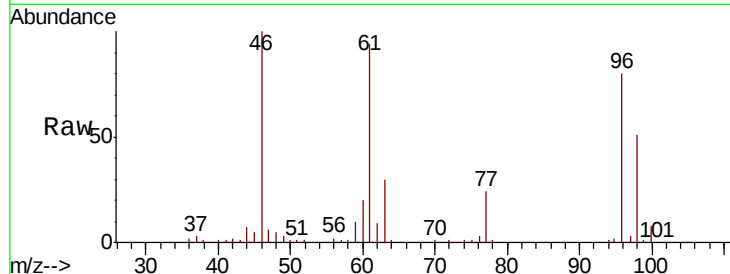


#22

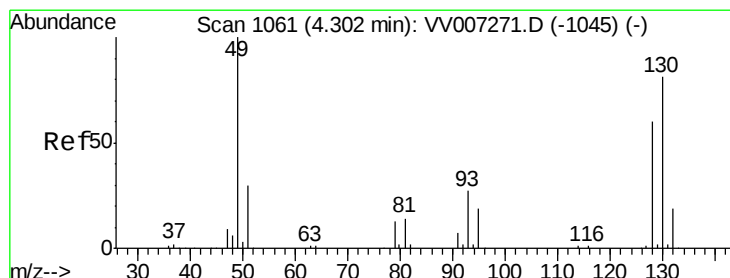
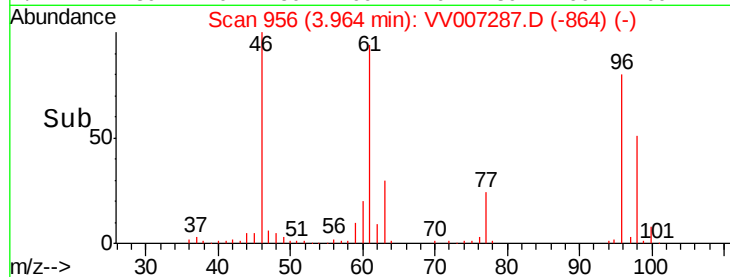
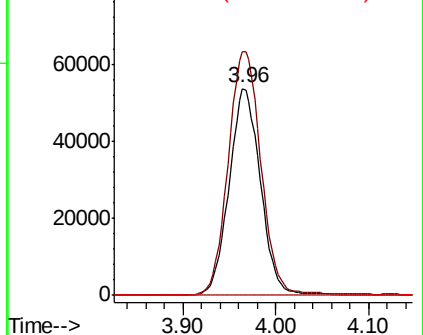
cis-1,2-Dichloroethene
Concen: 4.985 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 125604
Ion Ratio Lower Upper
96 100
61 117.4 85.4 158.6
68 0.0 0.0 0.0



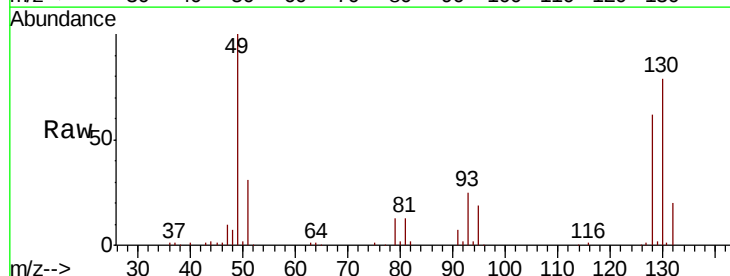
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



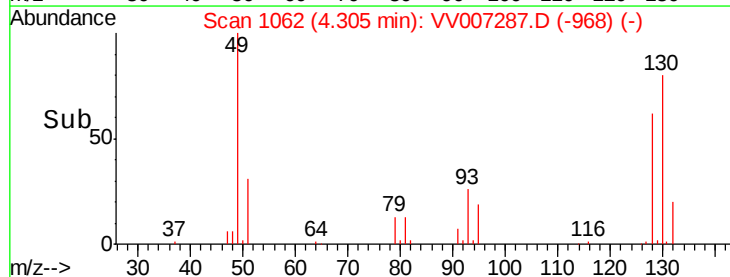
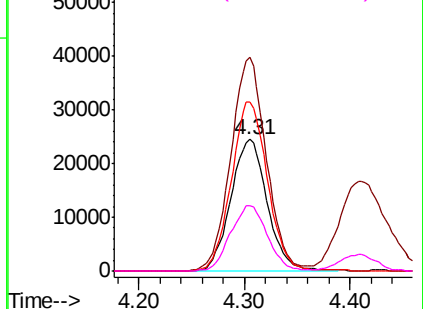
#23

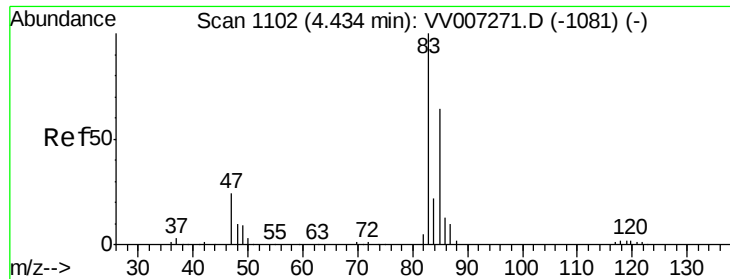
Bromochloromethane
Concen: 5.350 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Tgt Ion: 128 Resp: 58490
Ion Ratio Lower Upper
128 100
49 162.2 113.1 210.1
130 128.3 88.8 165.0
51 50.1 41.9 62.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

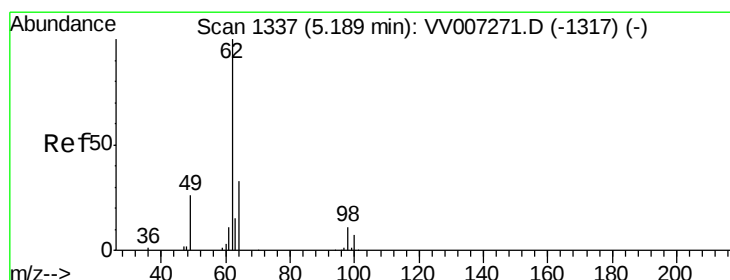
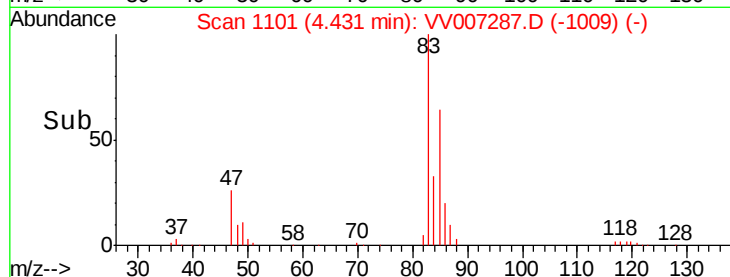
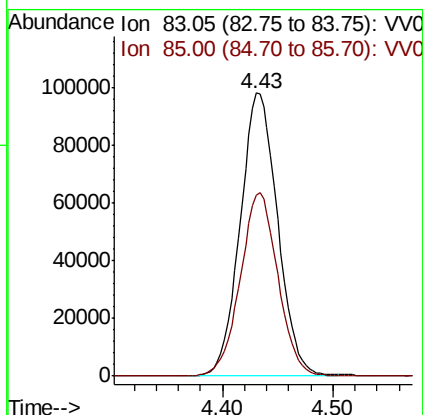
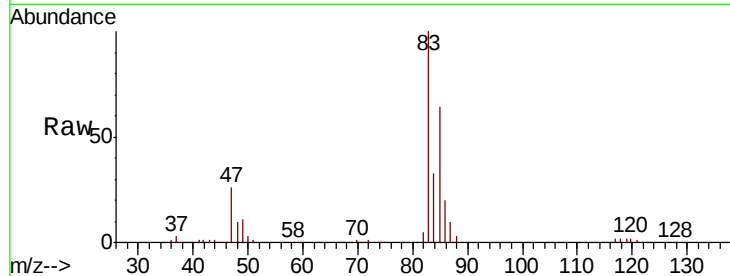




#25
Chloroform
Concen: 5.232 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

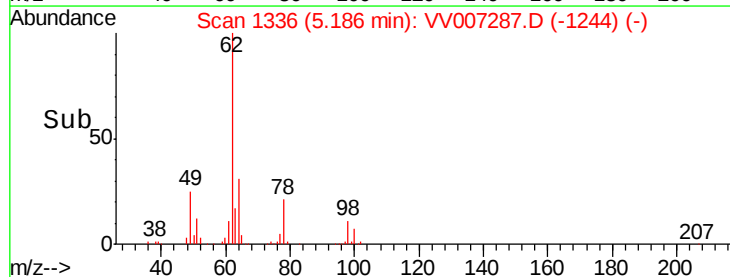
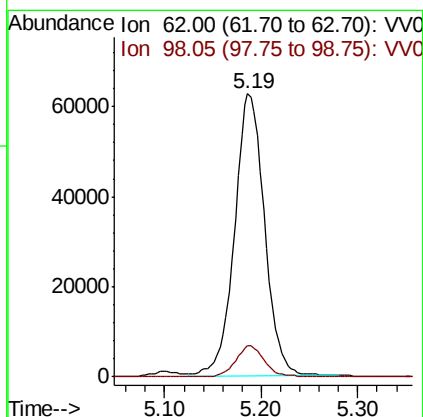
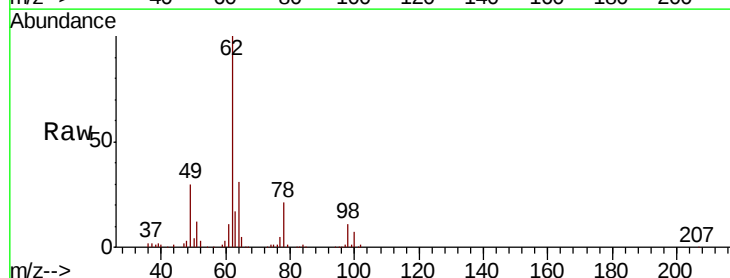
Instrument :
MSVOA_V
ClientSampled :

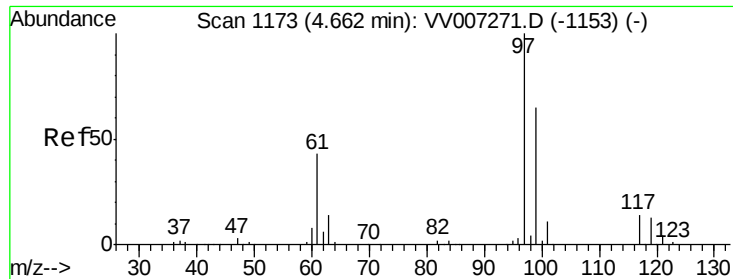
Tot Ion: 83 Resp: 230782
Ion Ratio Lower Upper
83 100
85 63.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.397 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Tgt Ion: 62 Resp: 135079
Ion Ratio Lower Upper
62 100
98 11.0 8.6 12.8

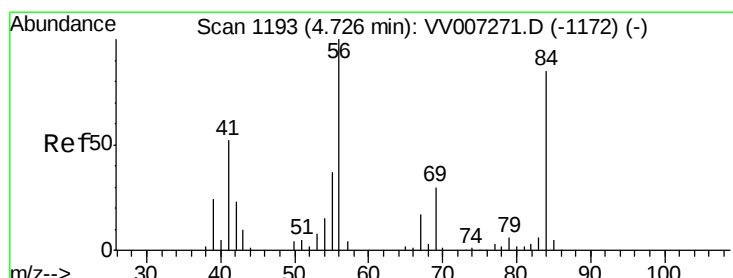
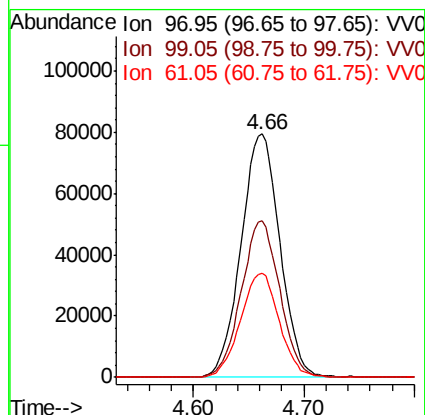
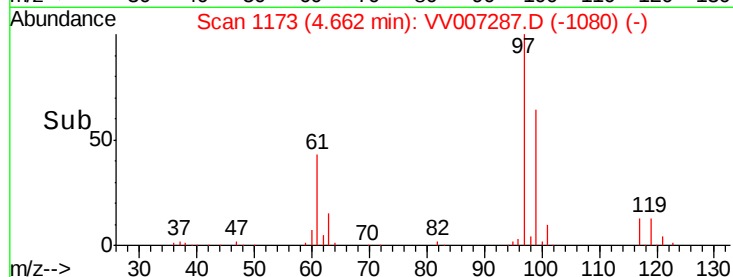
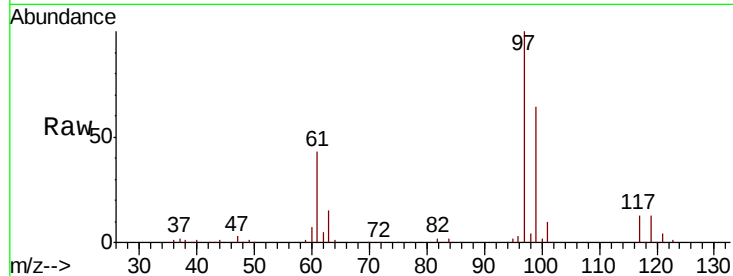




#29
1,1,1-Trichloroethane
Concen: 5.117 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

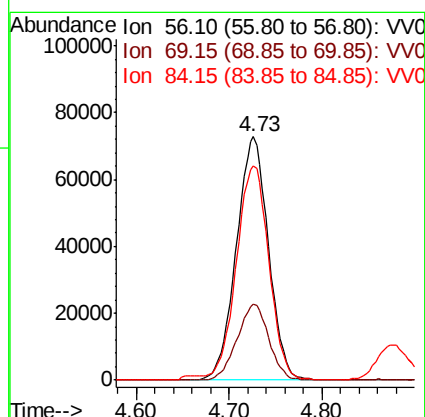
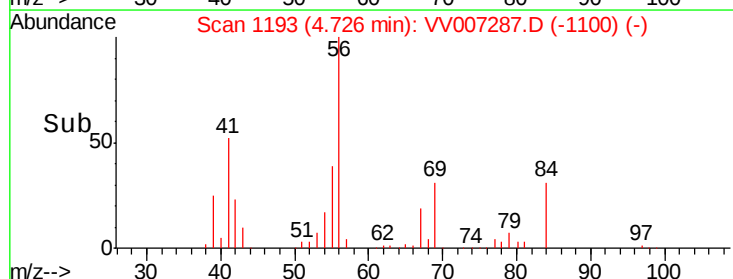
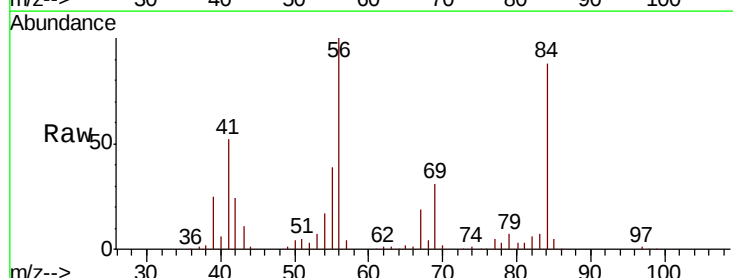
Instrument :
MSVOA_V
ClientSampleId :

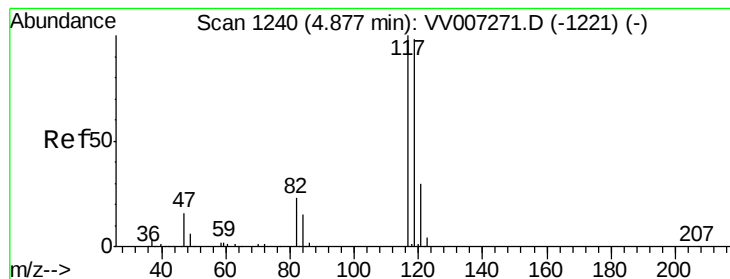
Tot Ion: 97 Resp: 194222
Ion Ratio Lower Upper
97 100
99 63.7 51.5 77.3
61 42.7 33.9 50.9



#30
Cyclohexane
Concen: 4.723 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Tgt Ion: 56 Resp: 174799
Ion Ratio Lower Upper
56 100
69 30.7 24.7 37.1
84 89.7 68.7 103.1





#31

Carbon tetrachloride

Concen: 5.095 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

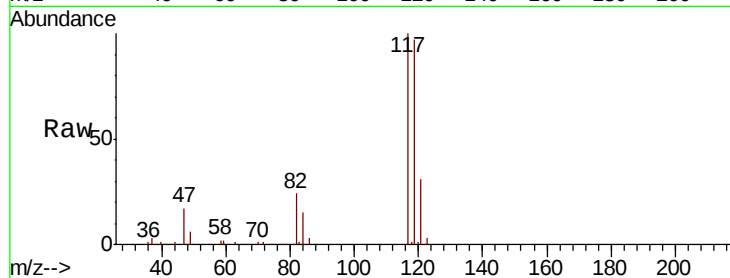
ClientSampleId :

Tot Ion:117 Resp: 167985

Ion Ratio Lower Upper

117 100

119 96.5 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

80000

60000

40000

20000

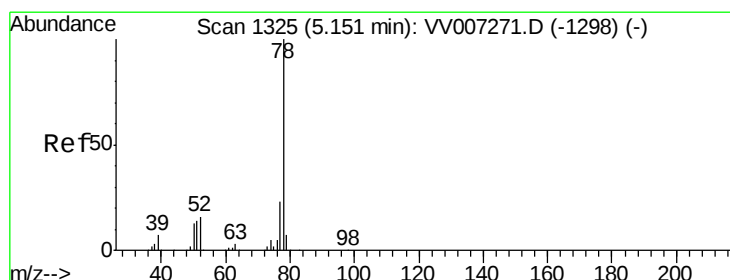
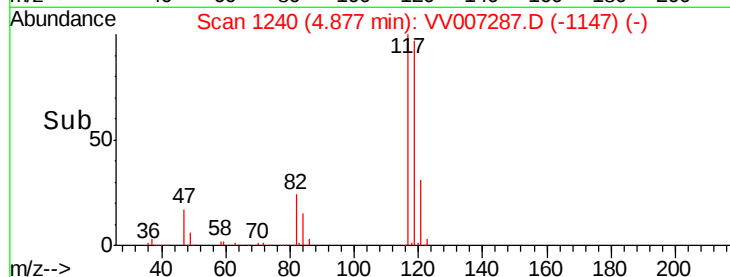
0

Time-->

4.80

4.90

5.00



#33

Benzene

Concen: 5.213 ug/L

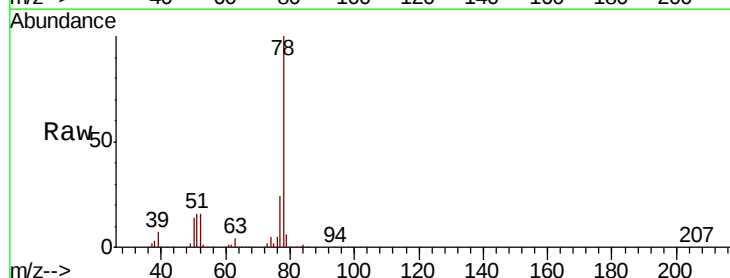
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Tgt Ion: 78 Resp: 518127



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

250000

200000

150000

100000

50000

0

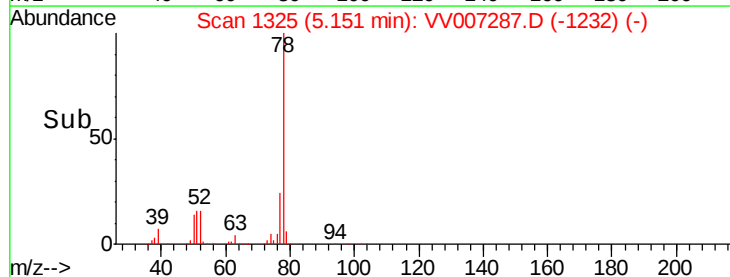
Time-->

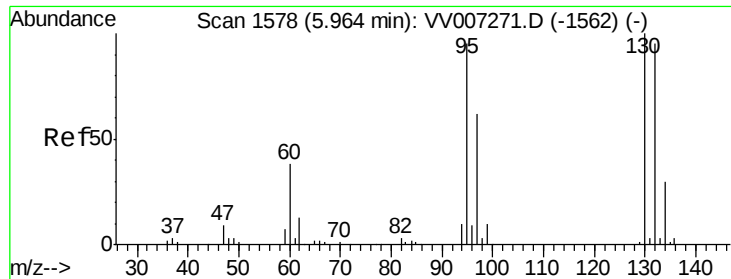
5.00

5.10

5.20

5.30

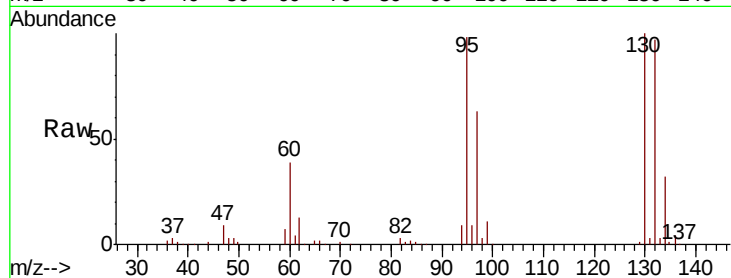




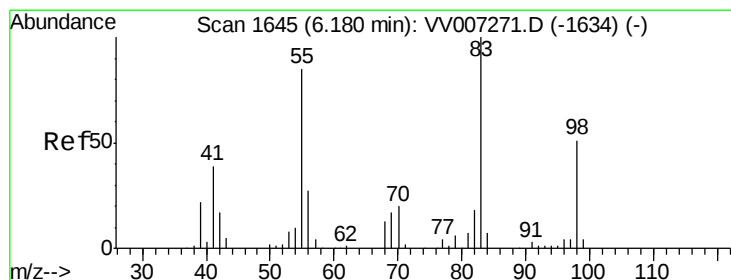
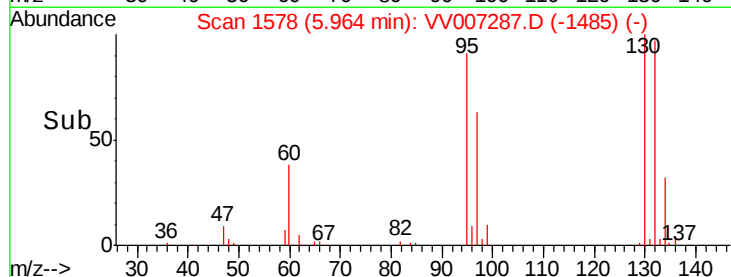
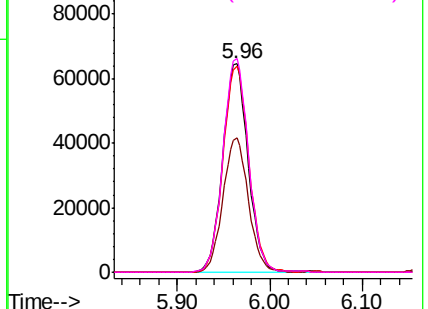
#34
 Trichloroethene
 Concen: 5.030 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 122853
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.2 82.2
 132 98.9 70.9 131.7
 130 102.4 72.7 135.1

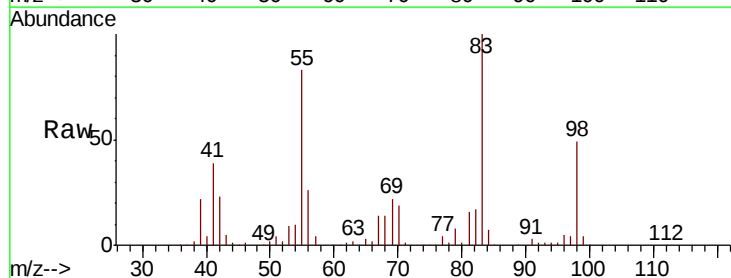


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

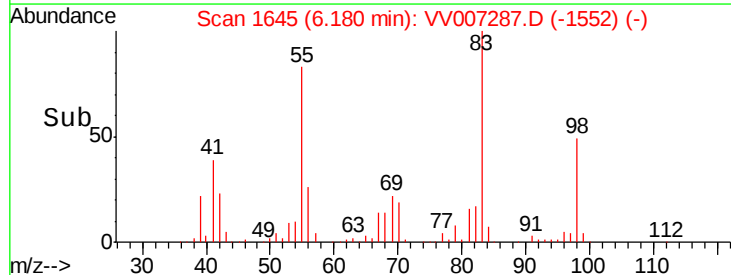
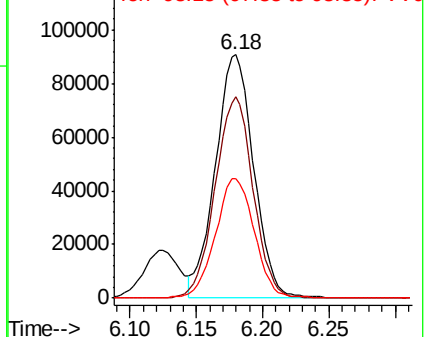


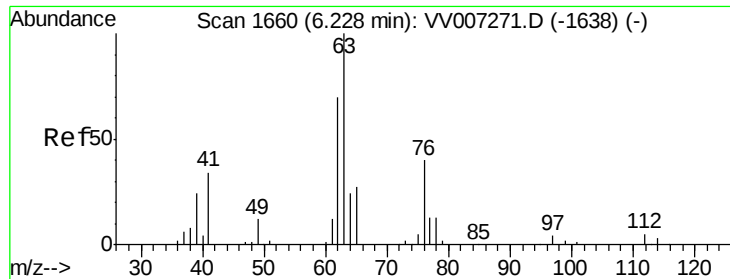
#35
 Methylcyclohexane
 Concen: 4.663 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Tgt Ion: 83 Resp: 181044
 Ion Ratio Lower Upper
 83 100
 55 82.5 63.5 95.3
 98 50.3 38.9 58.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

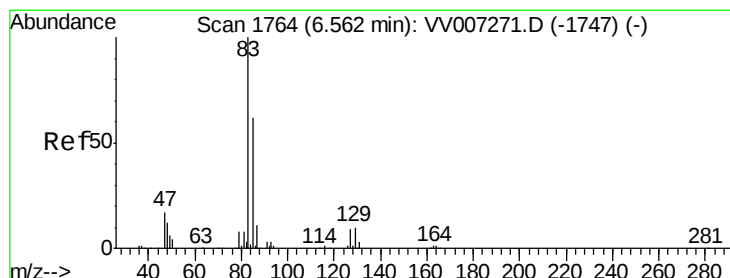
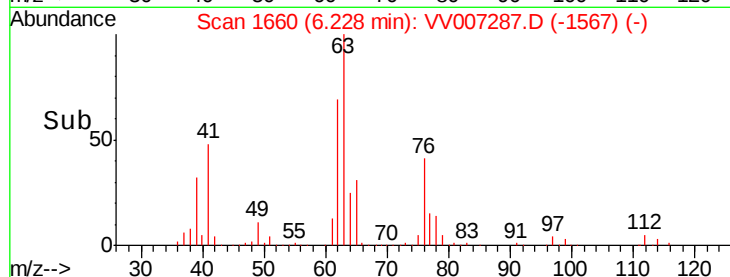
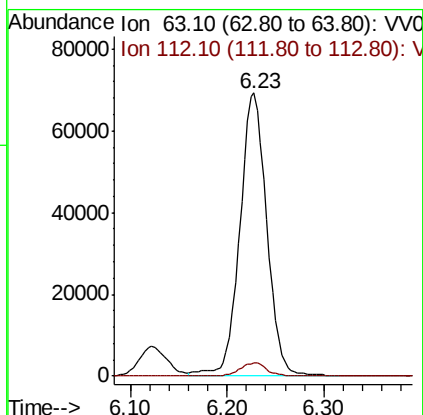
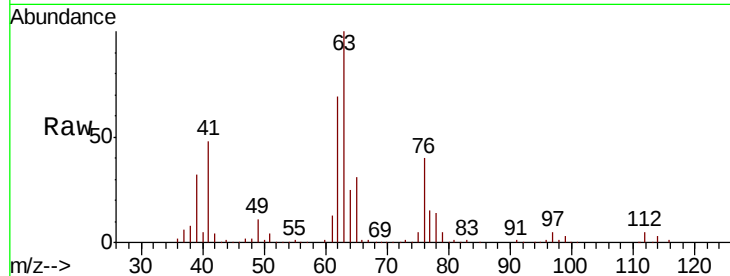




#37
 1,2-Dichloropropane
 Concen: 5.191 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

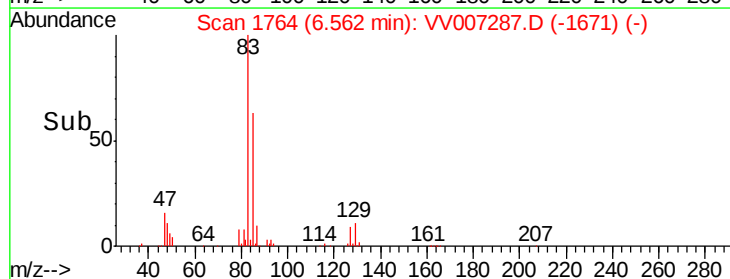
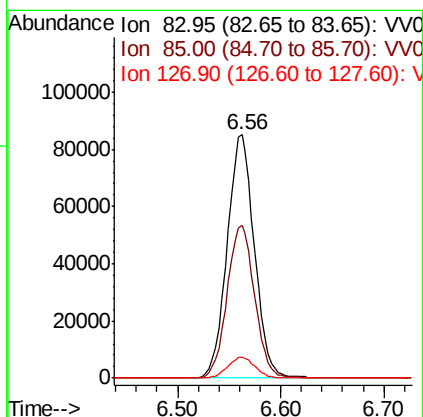
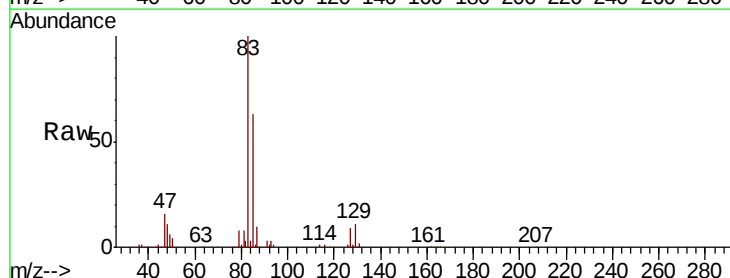
Instrument :
 MSVOA_V
 ClientSampleId :

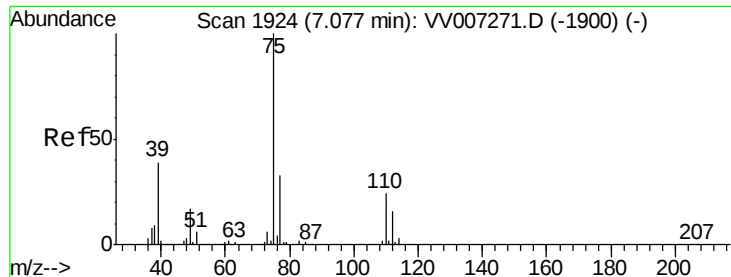
Tot Ion: 63 Resp: 133329
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.221 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Tgt Ion: 83 Resp: 156726
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.7 83.1
 127 8.8 6.9 10.3

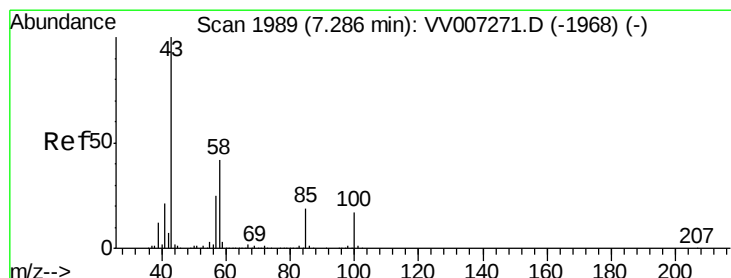
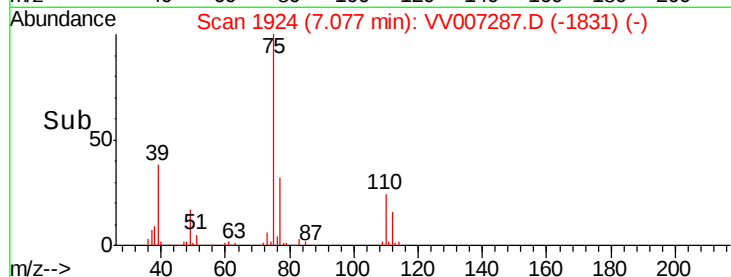
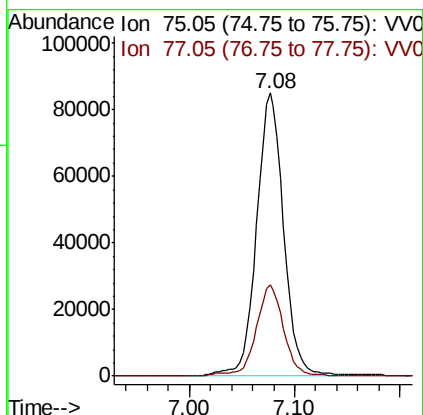
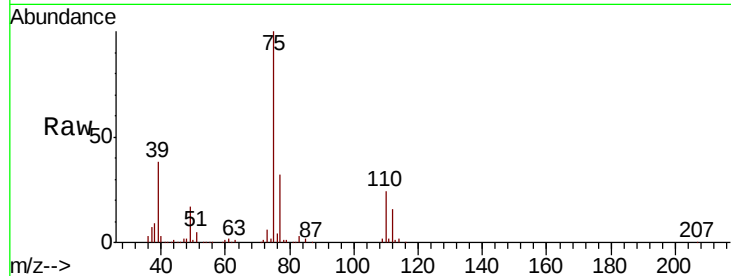




#39
 cis-1,3-Dichloropropene
 Concen: 4.703 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

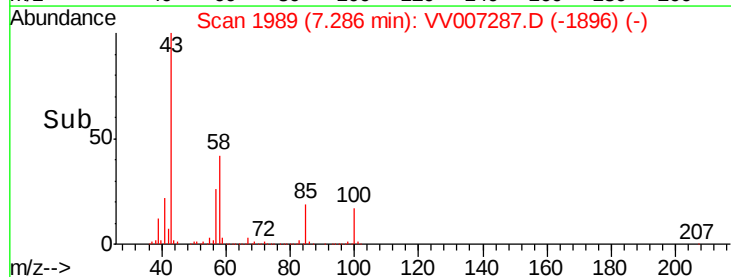
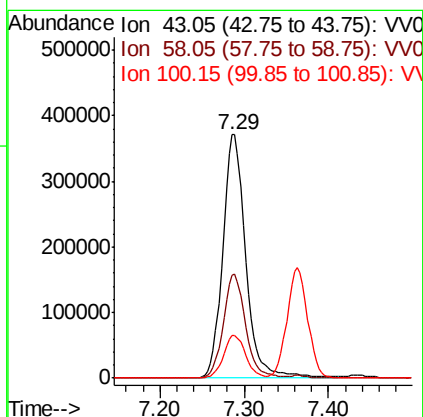
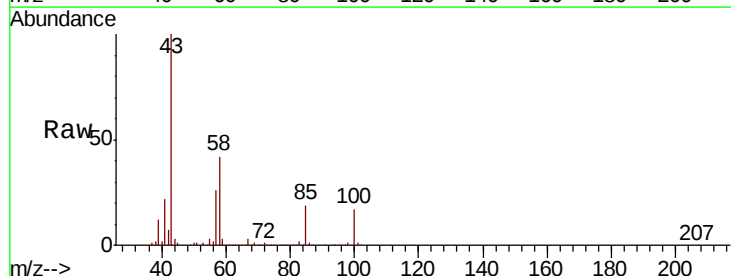
Instrument :
 MSVOA_V
 ClientSampleId :

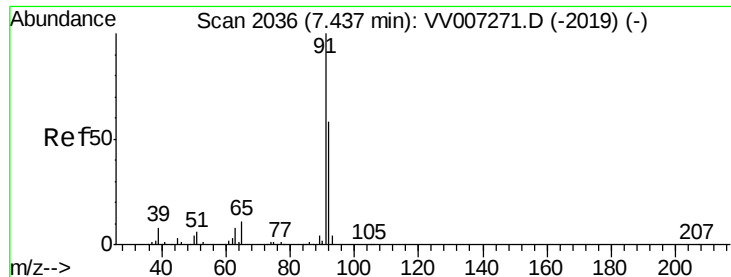
Tot Ion: 75 Resp: 152086
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 60.208 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Tgt Ion: 43 Resp: 702280
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.7 49.1
 100 16.9 13.1 19.7





#42

Toluene

Concen: 5.412 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

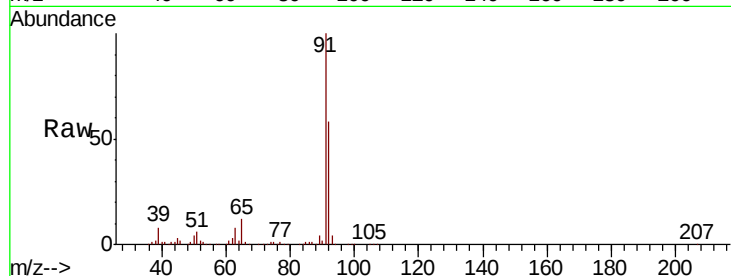
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 537178

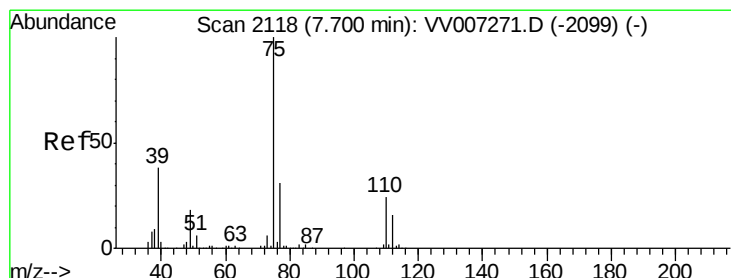
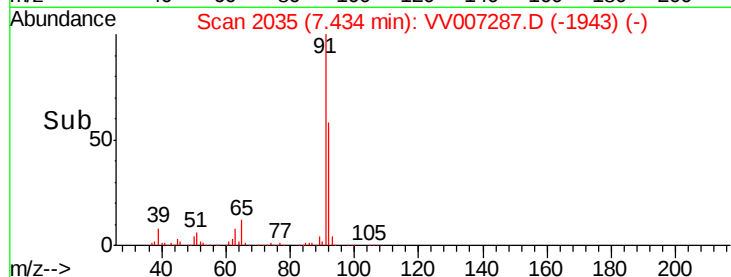
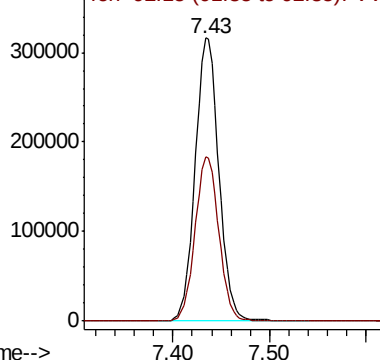
Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.919 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007287.D

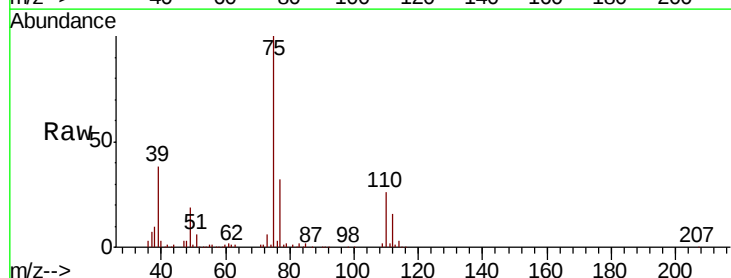
Acq: 31 Aug 2018 03:04

Tgt Ion: 75 Resp: 130479

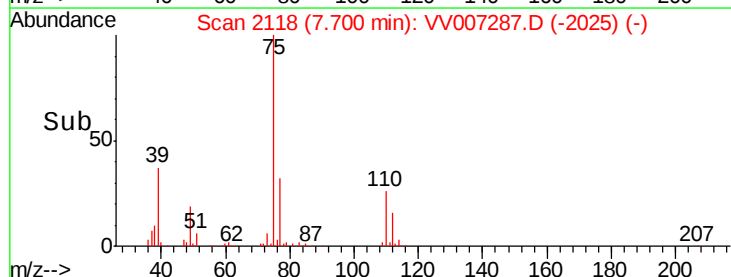
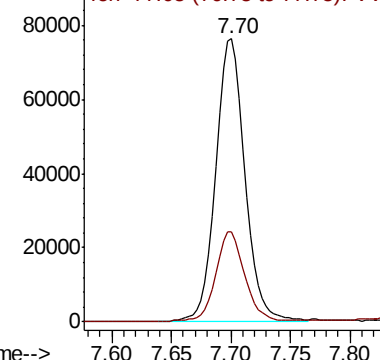
Ion Ratio Lower Upper

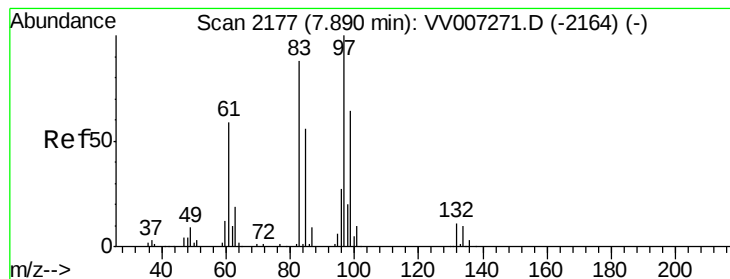
75 100

77 32.0 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.534 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 93360

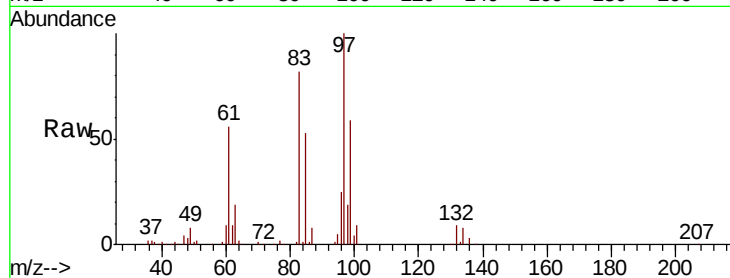
Ion Ratio Lower Upper

97 100

99 58.7 45.6 84.6

83 81.7 61.4 114.0

85 52.7 39.4 73.2

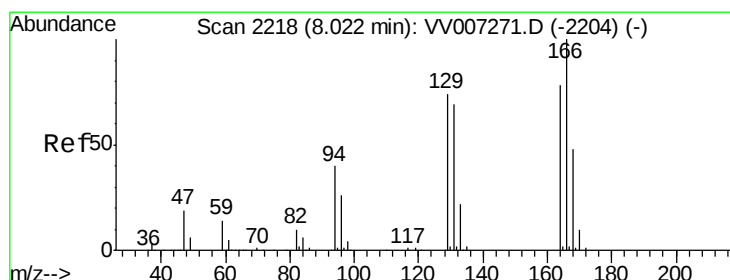
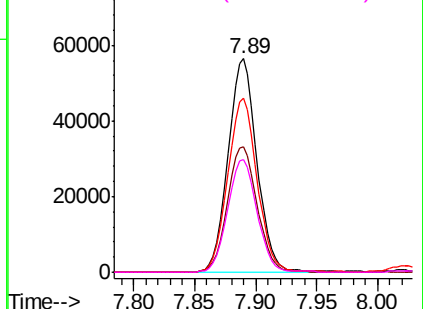
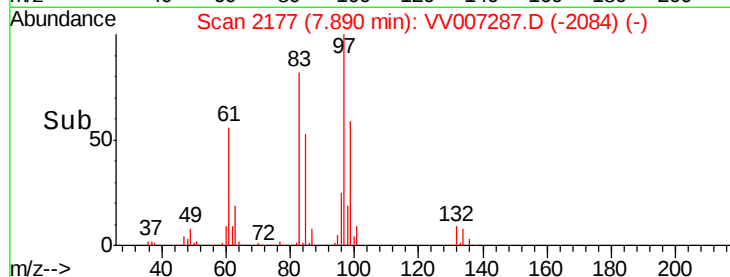


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.075 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Tgt Ion: 164 Resp: 106976

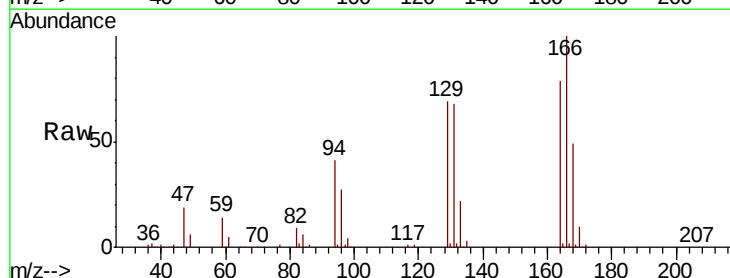
Ion Ratio Lower Upper

164 100

129 88.3 63.8 118.4

131 87.1 60.3 112.1

166 127.2 89.5 166.1

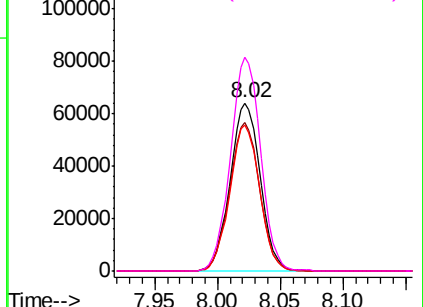
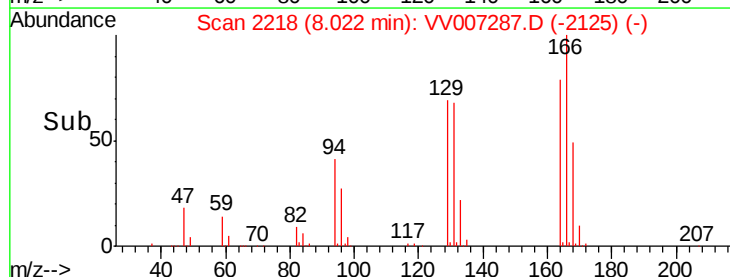


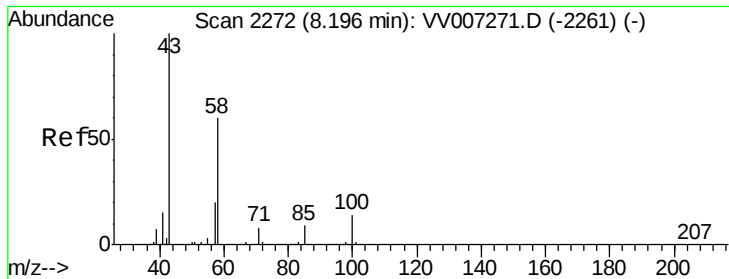
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

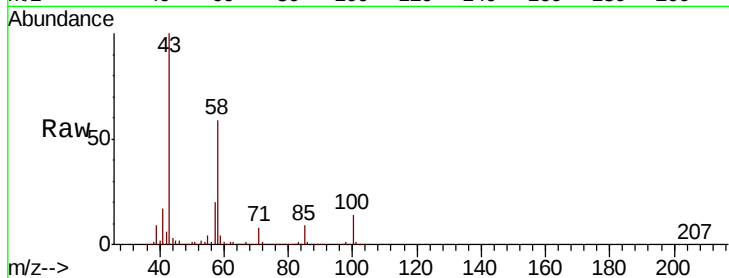




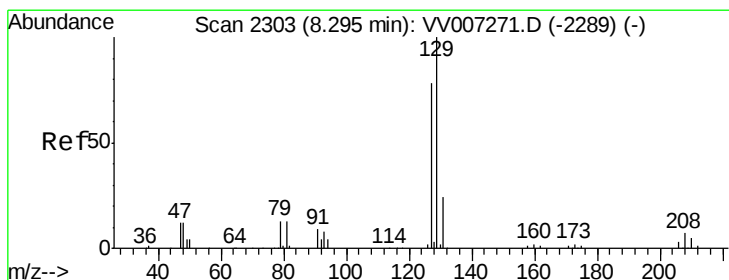
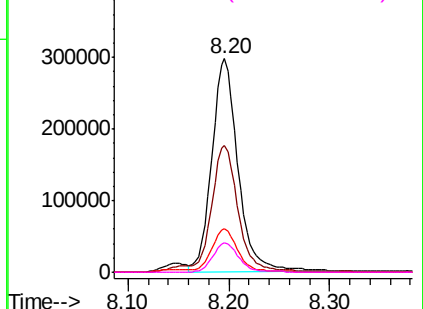
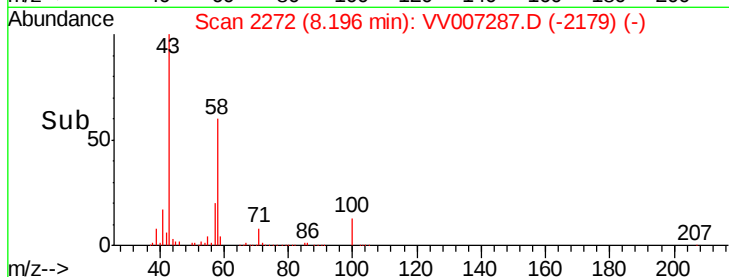
#48
2-Hexanone
Concen: 64.106 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	533731
Ion	Ratio	Lower	Upper
43	100		
58	63.2	46.6	69.8
57	20.0	15.4	23.0
100	13.5	10.4	15.6

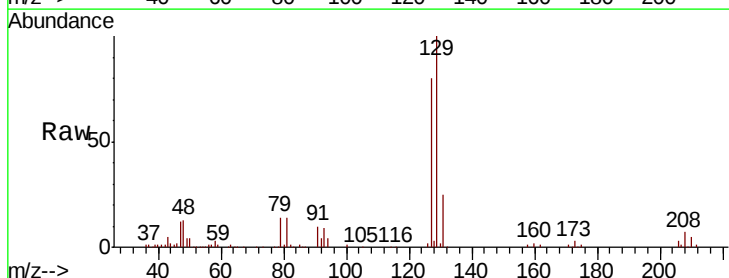


Abundance Ion 43.05 (42.75 to 43.75): VV007287.D (-2179) (-)
Ion 58.05 (57.75 to 58.75): VV007287.D (-2179) (-)
Ion 57.20 (56.90 to 57.90): VV007287.D (-2179) (-)
Ion 100.15 (99.85 to 100.85): VV007287.D (-2179) (-)

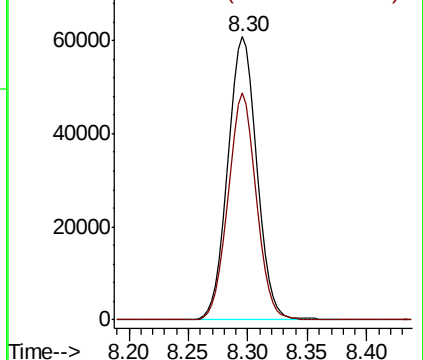
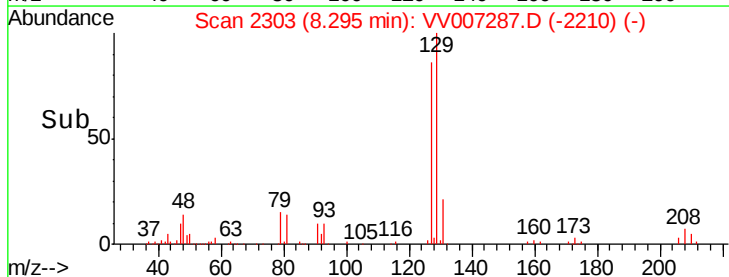


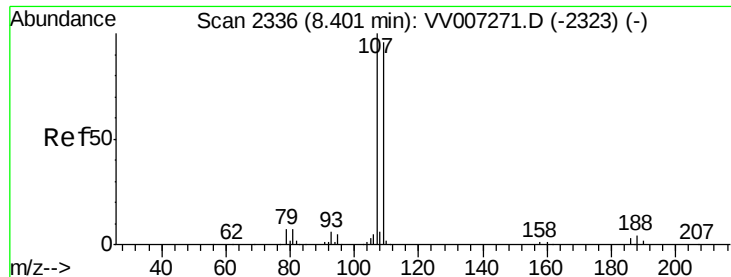
#49
Dibromochloromethane
Concen: 5.310 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007287.D
Acq: 31 Aug 2018 03:04

Tgt Ion:	129	Resp:	103147
Ion	Ratio	Lower	Upper
129	100		
127	80.2	52.1	96.9



Abundance Ion 128.95 (128.65 to 129.65): VV007287.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV007287.D (-2210) (-)





#50

1,2-Dibromoethane

Concen: 5.520 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :
MSVOA_V
ClientSampleId :

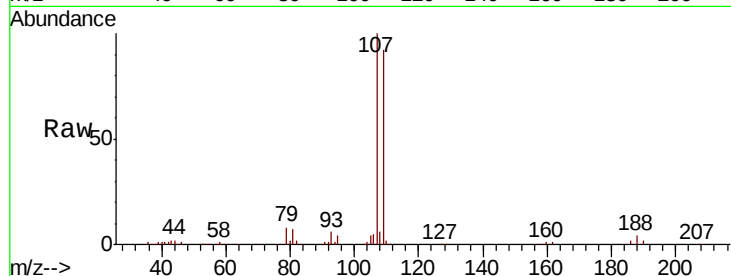
Tot Ion:107 Resp: 82423

Ion Ratio Lower Upper

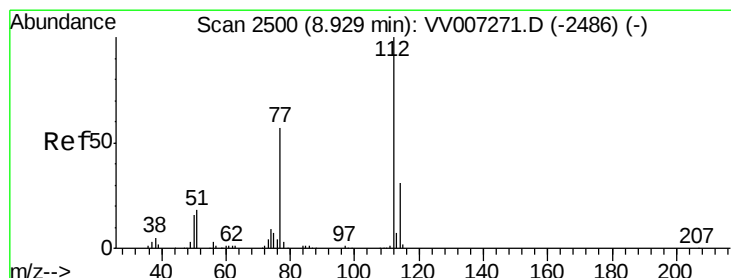
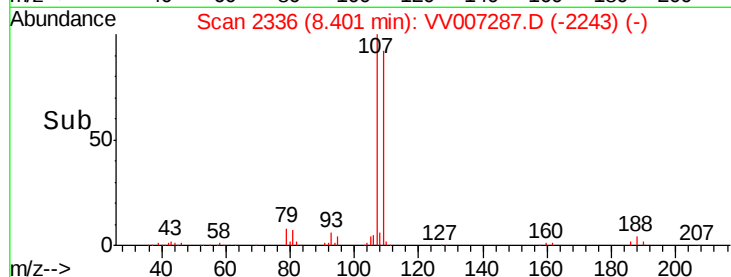
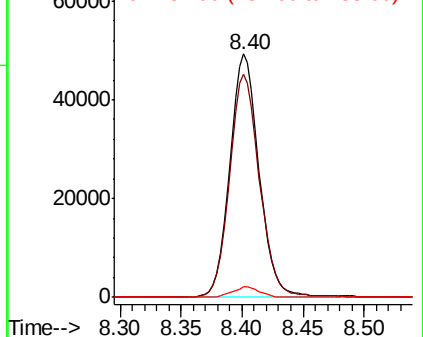
107 100

109 91.7 65.5 121.6

188 4.2 3.0 4.6



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.117 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

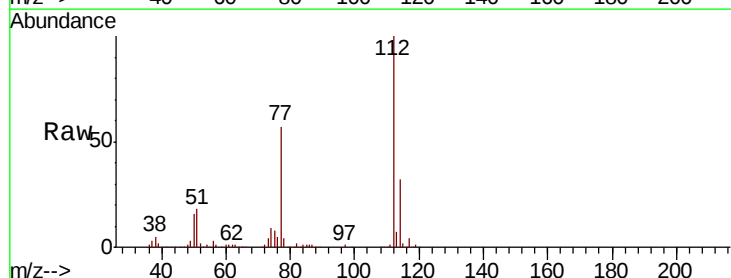
Tgt Ion:112 Resp: 331713

Ion Ratio Lower Upper

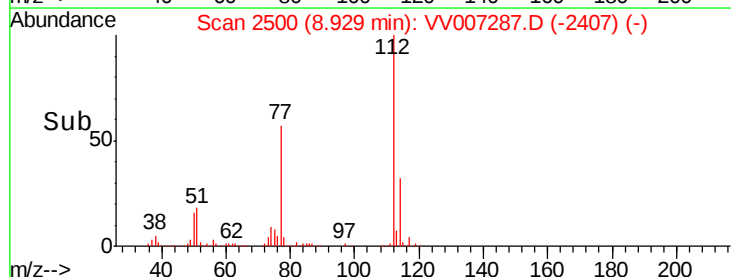
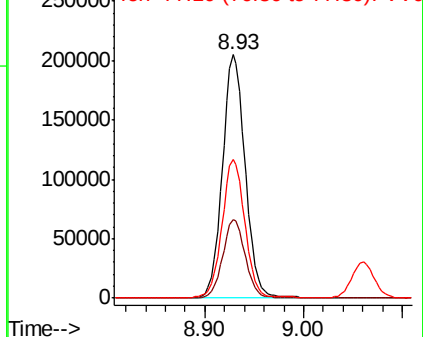
112 100

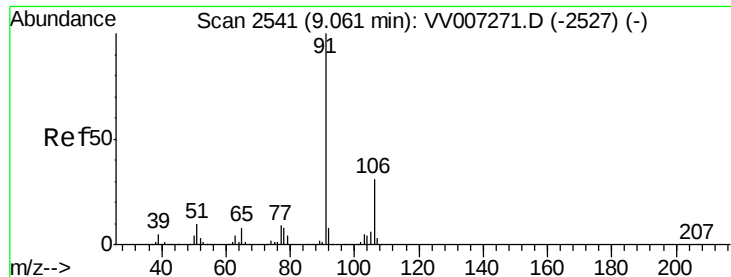
114 32.4 22.7 42.3

77 57.1 46.7 70.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.050 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

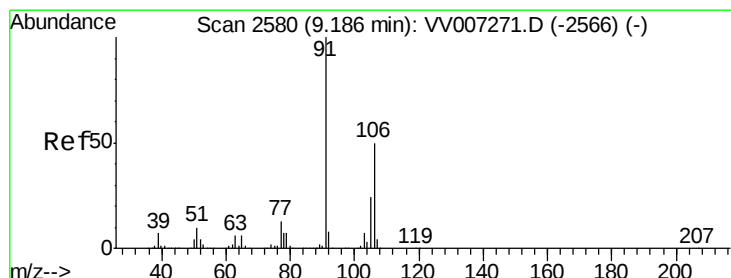
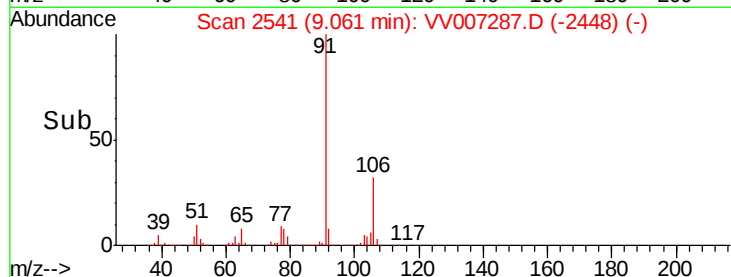
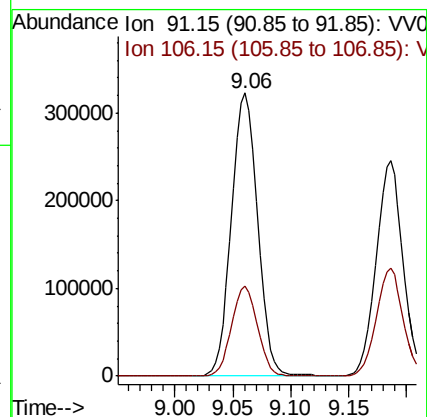
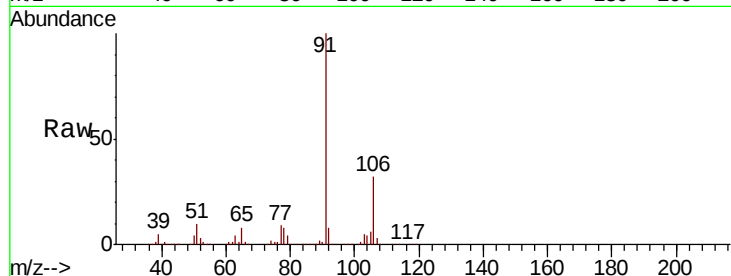
ClientSampleId :

Tot Ion: 91 Resp: 505382

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.2



#53

m,p-xylene

Concen: 5.122 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007287.D

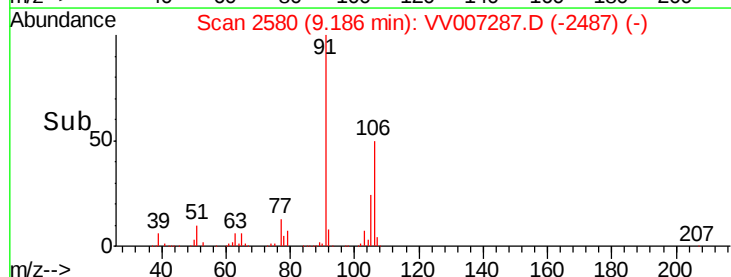
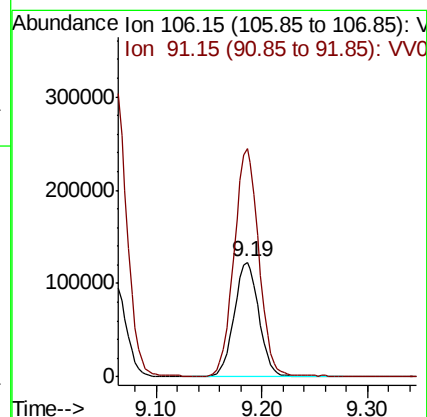
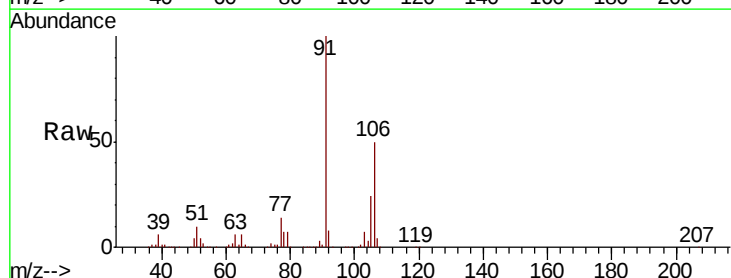
Acq: 31 Aug 2018 03:04

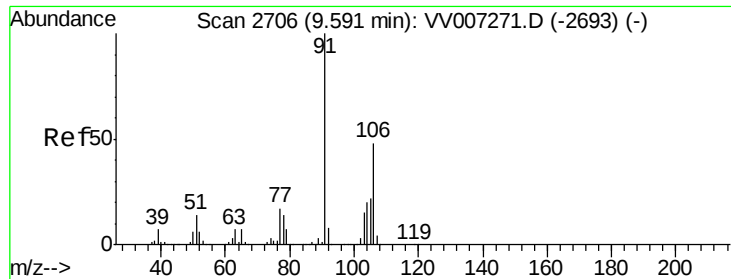
Tgt Ion: 106 Resp: 198272

Ion Ratio Lower Upper

106 100

91 199.4 135.9 252.3





#54

o-xylene

Concen: 5.159 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

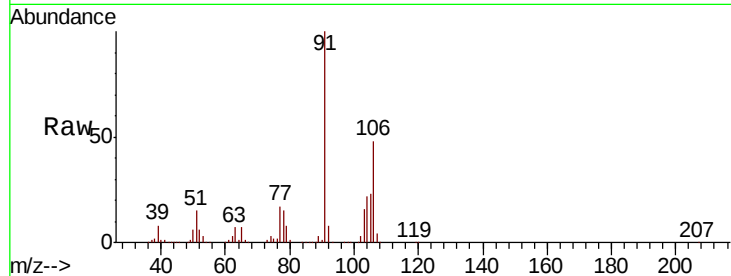
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 185887

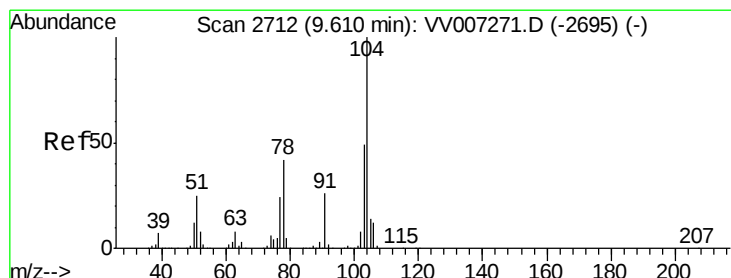
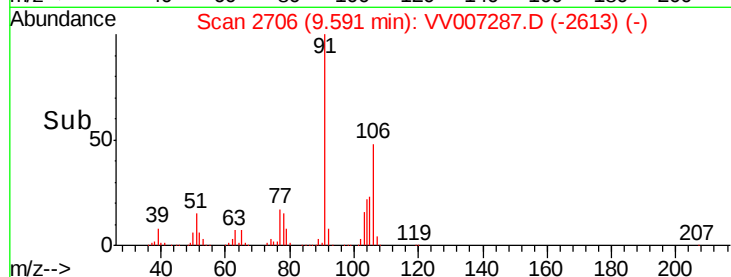
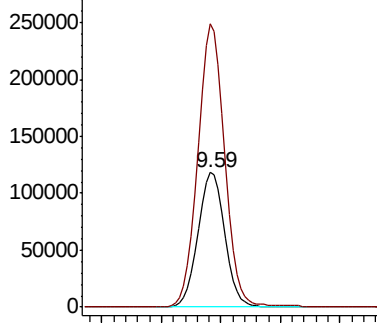
Ion Ratio Lower Upper

106 100

91 210.5 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.444 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007287.D

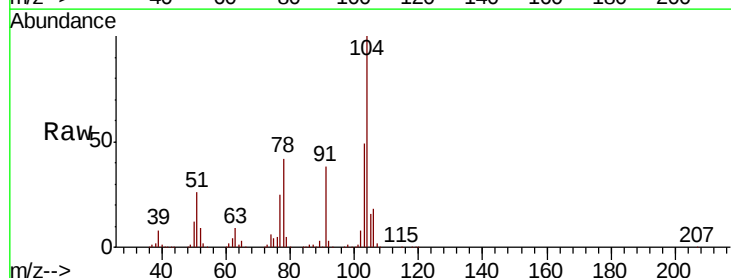
Acq: 31 Aug 2018 03:04

Tgt Ion:104 Resp: 341318

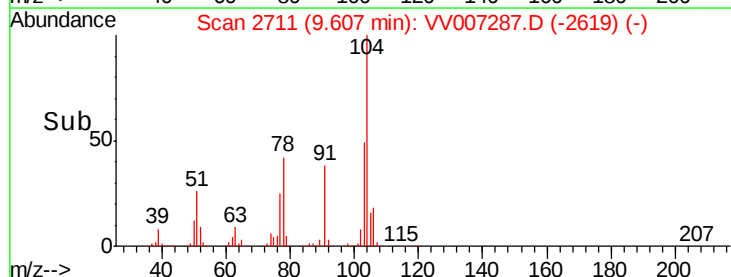
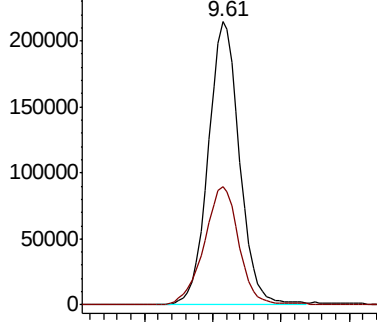
Ion Ratio Lower Upper

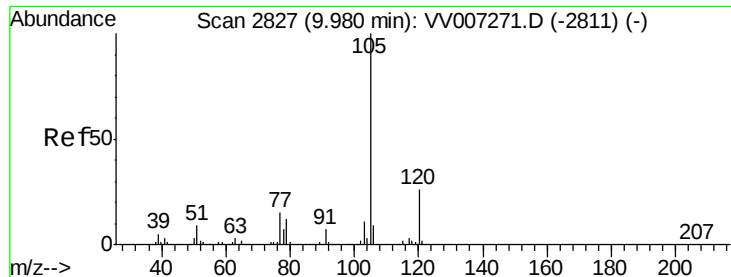
104 100

78 42.0 28.8 53.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.091 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

ClientSampleId :

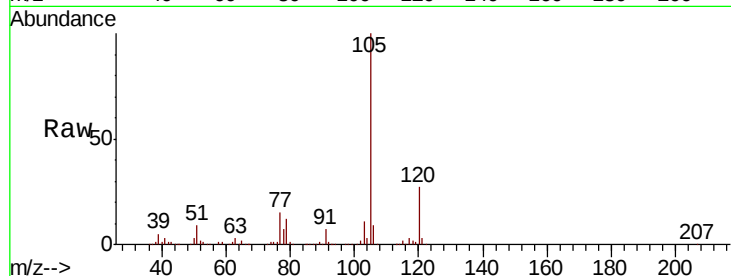
Tot Ion:105 Resp: 474412

Ion Ratio Lower Upper

105 100

120 27.3 21.2 31.8

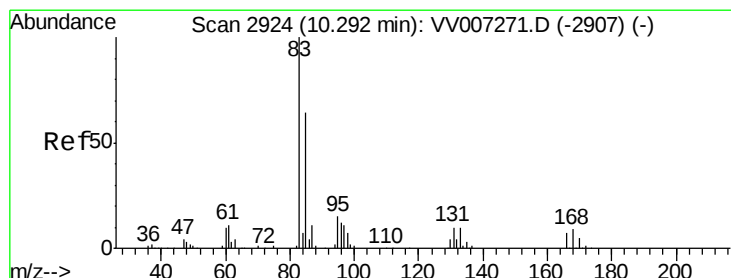
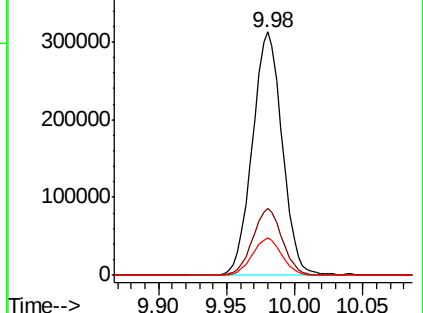
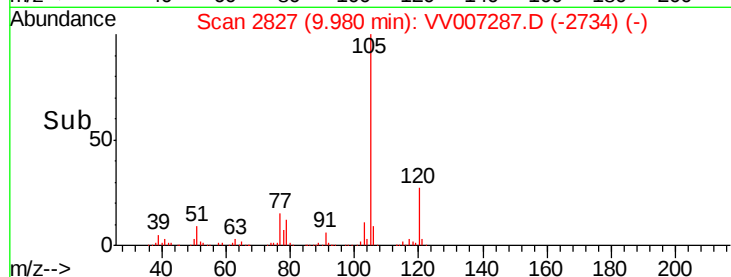
77 15.2 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): VV007287.D (-2734) (-)

Ion 120.10 (119.80 to 120.80): VV007287.D (-2734) (-)

Ion 77.10 (76.80 to 77.80): VV007287.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.513 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

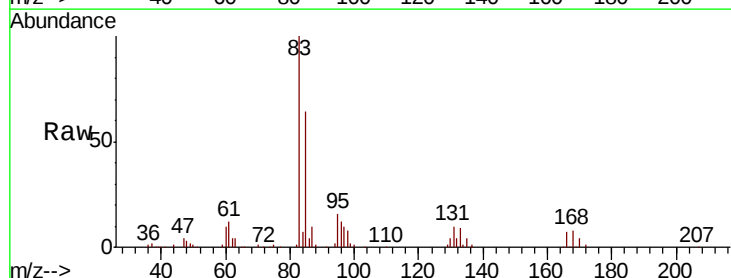
Tgt Ion: 83 Resp: 110385

Ion Ratio Lower Upper

83 100

85 63.7 44.1 81.9

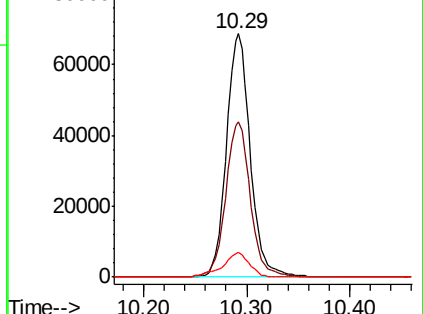
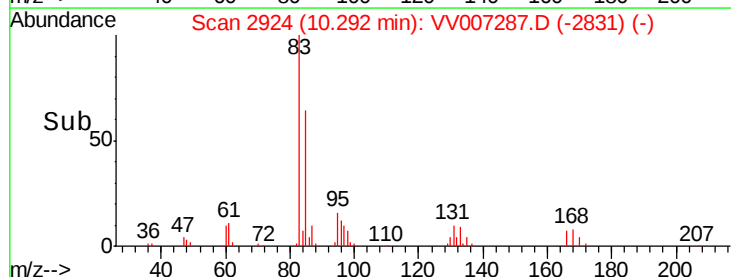
131 9.9 7.8 11.8

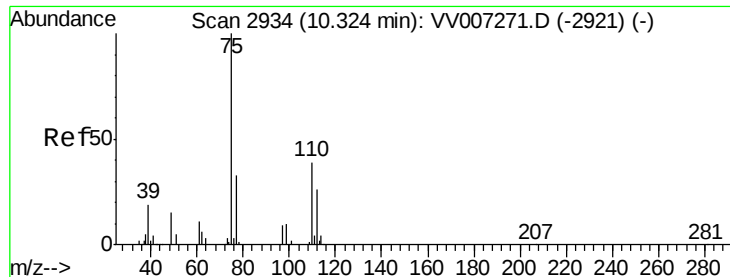


Abundance Ion 82.95 (82.65 to 83.65): VV007287.D (-2831) (-)

Ion 85.00 (84.70 to 85.70): VV007287.D (-2831) (-)

Ion 130.95 (130.65 to 131.65): VV007287.D (-2831) (-)





#59

1,2,3-Trichloropropane

Concen: 5.611 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

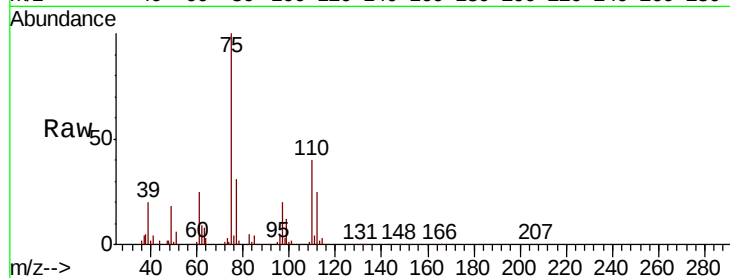
ClientSampled :

Tot Ion: 75 Resp: 78492

Ion Ratio Lower Upper

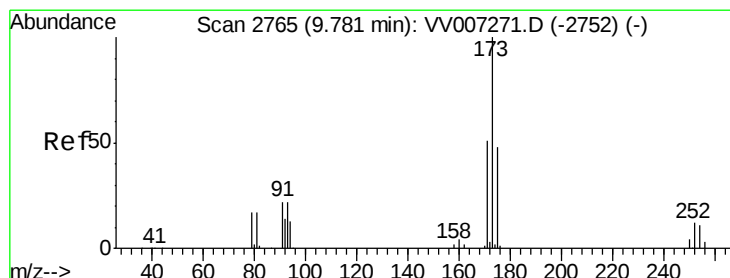
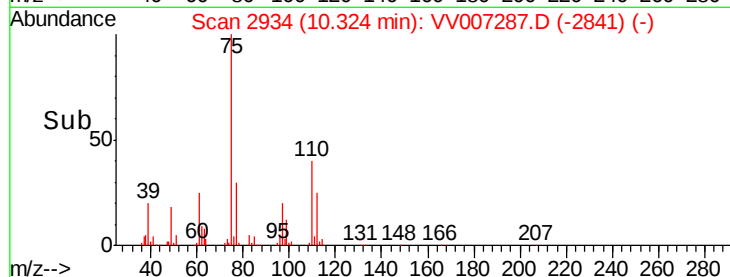
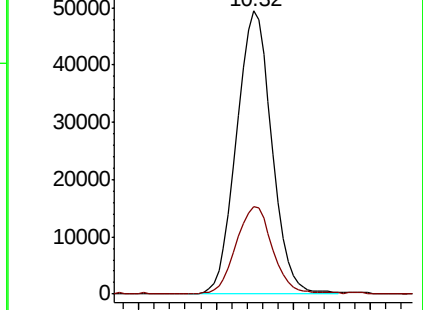
75 100

77 32.1 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV007271.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007271.D (-2921) (-)



#61

Bromoform

Concen: 5.312 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

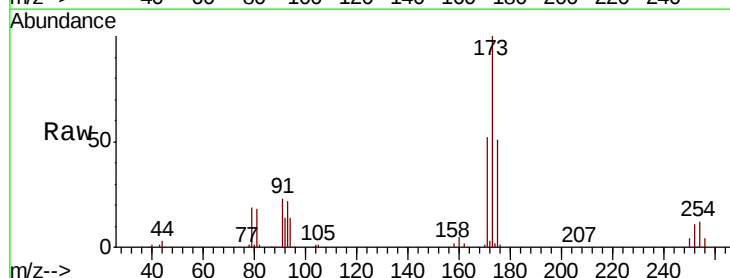
Tgt Ion: 173 Resp: 57234

Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

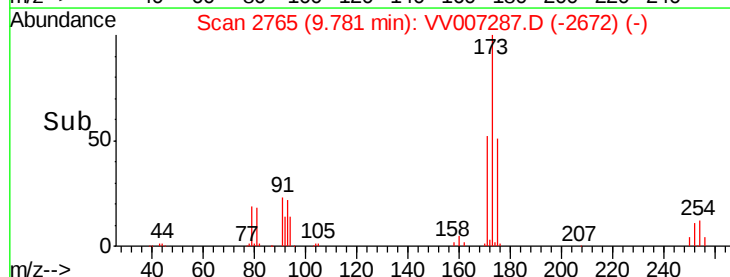
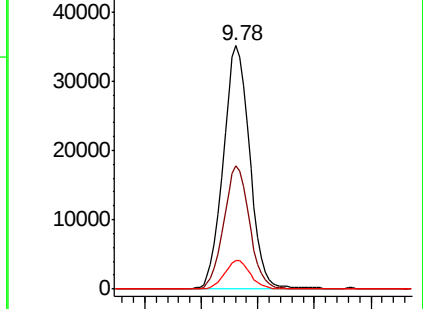
254 11.2 9.0 13.6

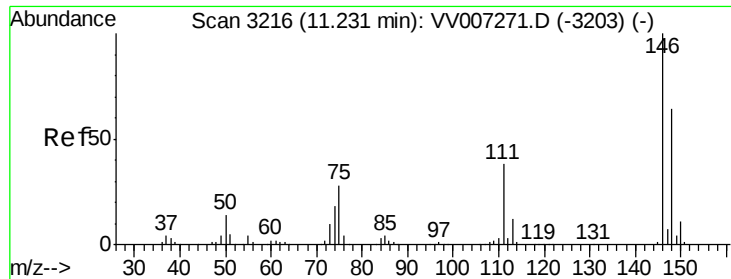


Abundance Ion 172.90 (172.60 to 173.60): VV007271.D (-2752) (-)

Ion 174.90 (174.60 to 175.60): VV007271.D (-2752) (-)

Ion 253.75 (253.45 to 254.45): VV007271.D (-2752) (-)

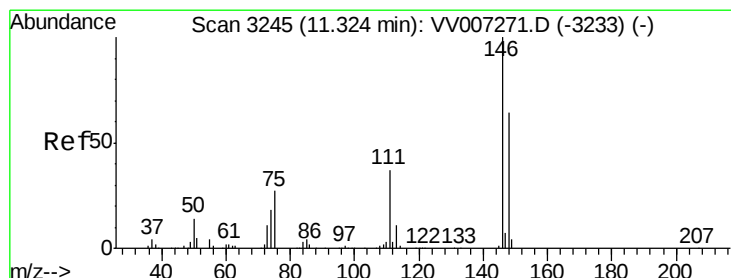
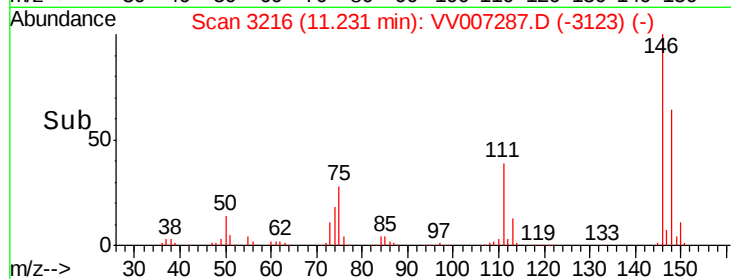
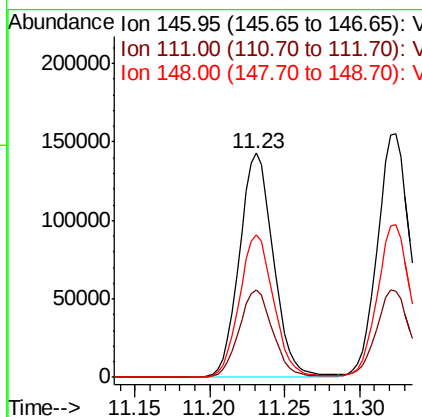
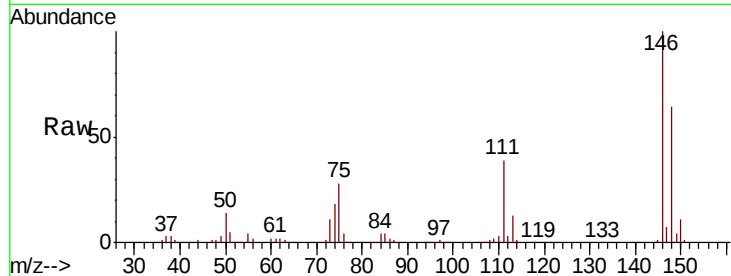




#62
 1,3-Dichlorobenzene
 Concen: 4.986 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

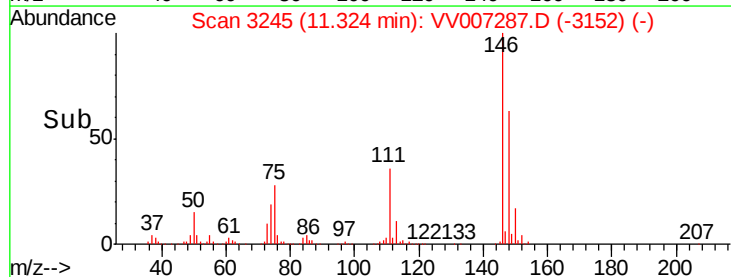
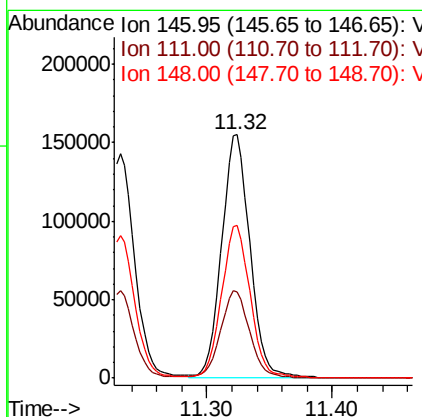
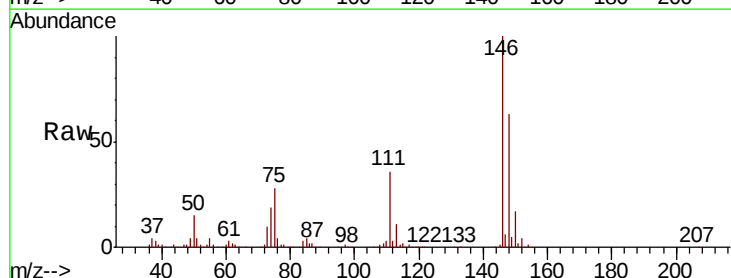
Instrument :
 MSVOA_V
 ClientSampleId :

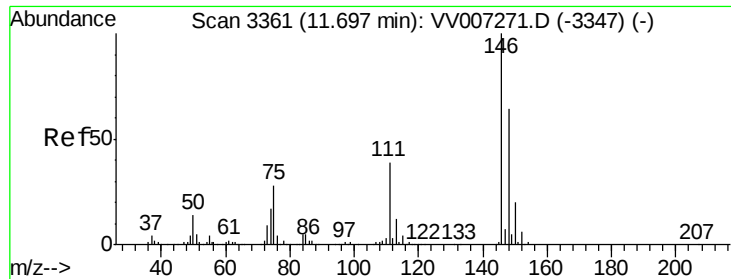
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.6	51.2
148	63.9	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 5.117 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	25.6	47.6
148	62.7	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 5.299 ug/L

RT: 11.69 min Scan# 3360

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

ClientSampleId :

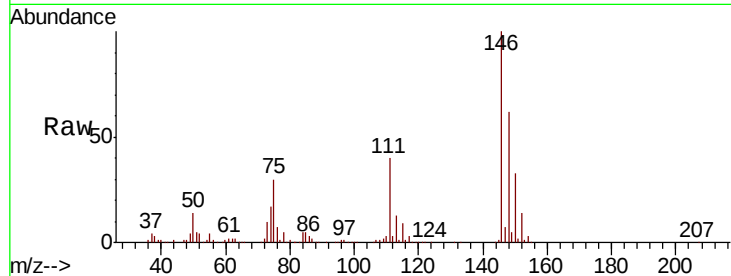
Tot Ion:146 Resp: 236378

Ion Ratio Lower Upper

146 100

111 39.9 32.1 48.1

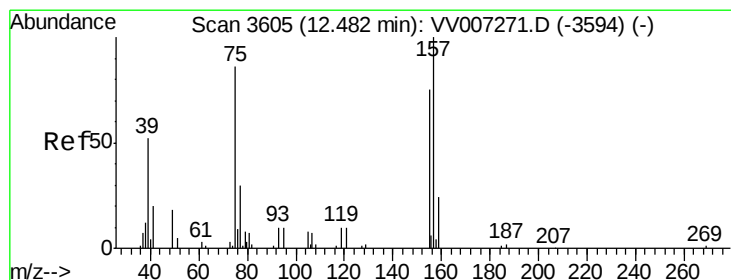
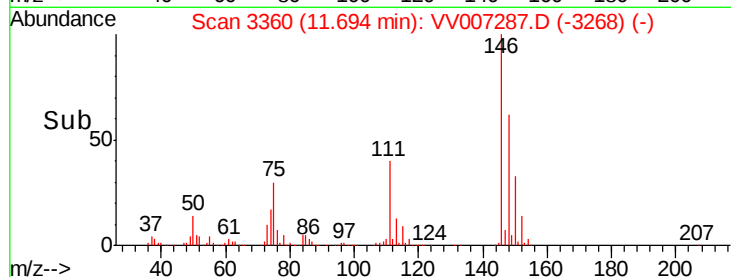
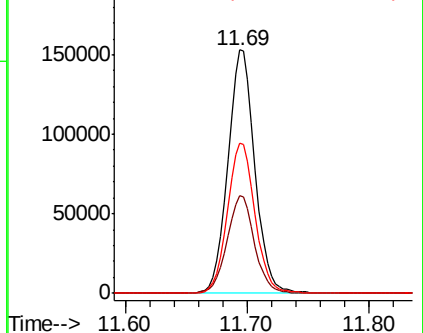
148 61.9 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.581 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

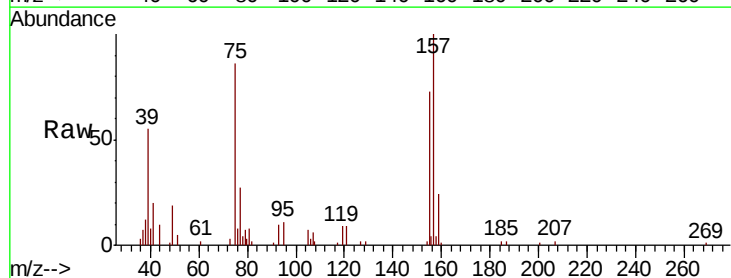
Tgt Ion: 75 Resp: 15614

Ion Ratio Lower Upper

75 100

155 84.7 69.5 104.3

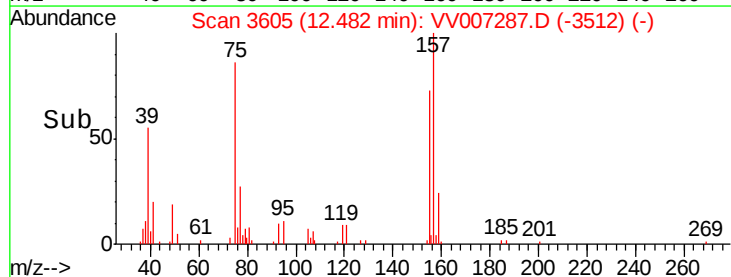
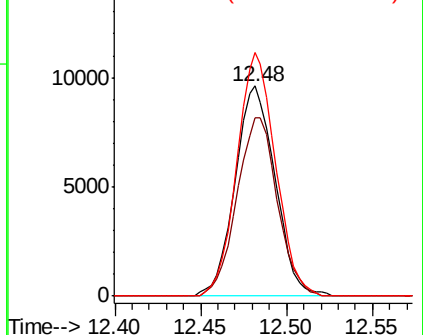
157 116.0 89.1 133.7

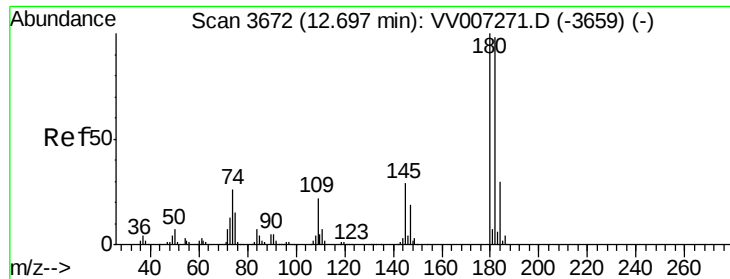


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

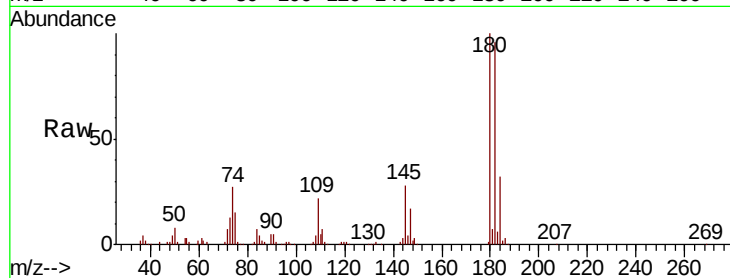




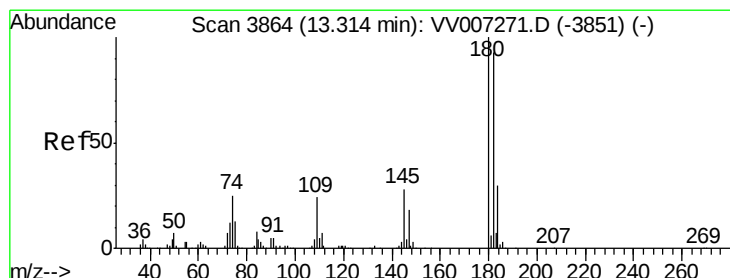
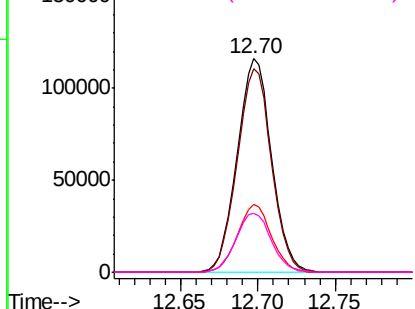
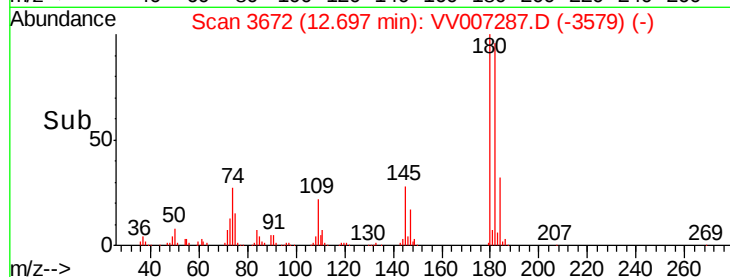
#67
 1,3,5-Trichlorobenzene
 Concen: 4.888 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	179021
Ion	Ratio	Lower Upper
180	100	
182	95.1	75.2 112.8
184	31.2	23.8 35.6
145	28.3	22.2 33.4

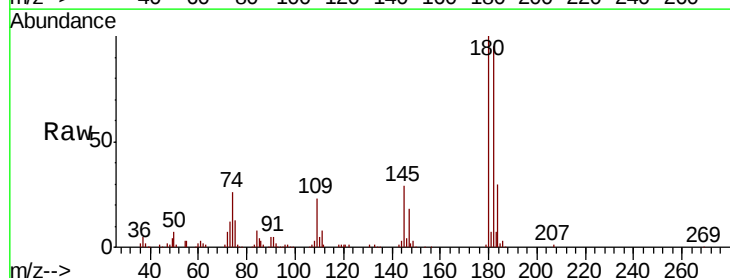


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

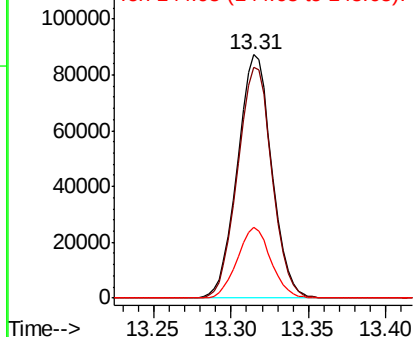
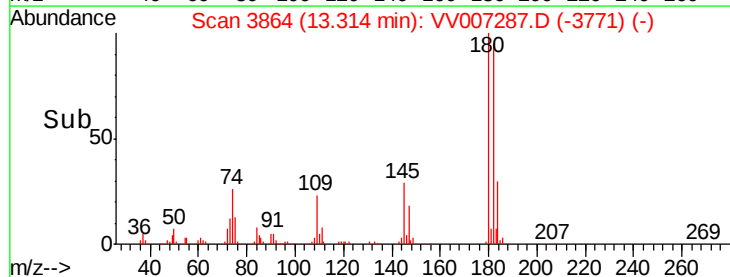


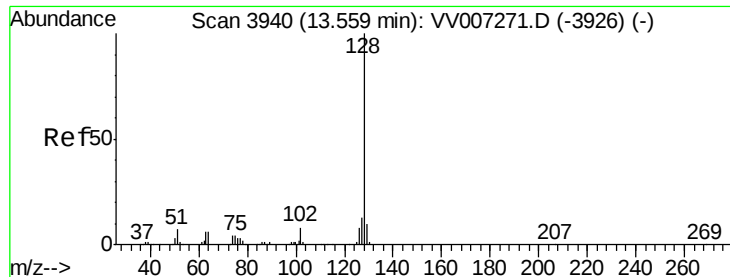
#68
 1,2,4-trichlorobenzene
 Concen: 4.688 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV007287.D
 Acq: 31 Aug 2018 03:04

Tgt Ion:180	Resp:	134646
Ion	Ratio	Lower Upper
180	100	
182	95.3	76.3 114.5
145	28.4	22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.699 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

Instrument :

MSVOA_V

ClientSampleId :

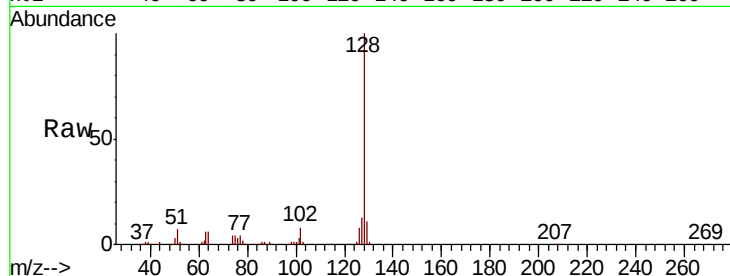
Tot Ion:128 Resp: 189252

Ion Ratio Lower Upper

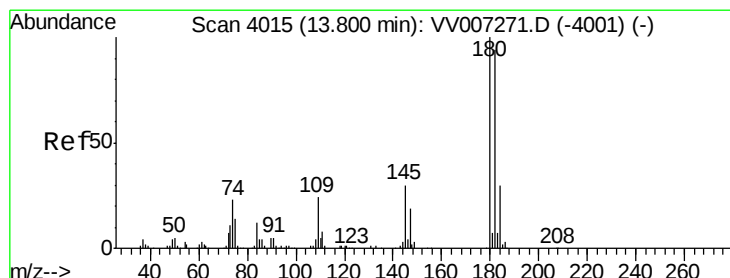
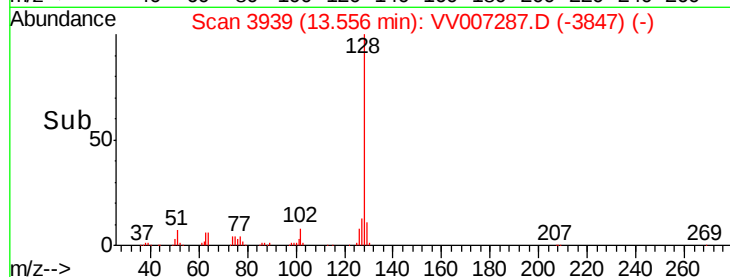
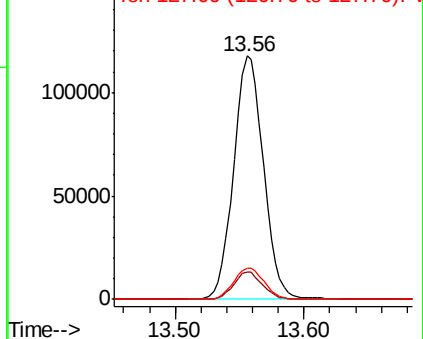
128 100

129 10.9 8.8 13.2

127 13.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.950 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007287.D

Acq: 31 Aug 2018 03:04

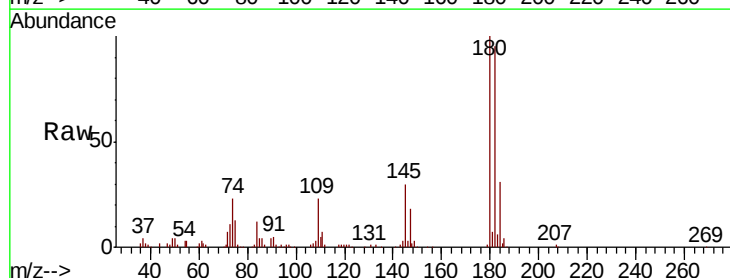
Tgt Ion:180 Resp: 133975

Ion Ratio Lower Upper

180 100

182 94.7 76.6 114.8

145 30.9 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

