

Data File : VV009297.D
Acq On : 13 Feb 2019 17:13
Operator : SY/MD
Sample : K1410-06
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
X2F76

Quant Time: Feb 14 02:55:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 15:25:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	301813	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	298793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	140428	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100441	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.76%
7) Chloroethane-d5	1.56	69	82406	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.44%
10) 1,1-Dichloroethene-d2	2.13	63	210078	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	3.93	46	71448	38.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.18%
24) Chloroform-d	4.40	84	201898	23.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.08	65	125704	24.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.60%
29) Benzene-d6	5.10	84	419034	24.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.76%
33) 1,2-Dichloropropane-d6	6.12	67	129771	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
37) Toluene-d8	7.36	98	383112	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloropropene-	7.66	79	57950	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.76%
39) 2-Hexanone-d5	8.13	63	48859	38.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	111009	21.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	132706	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	111733	20.204	ug/L	100
6) Bromomethane	1.51	94	21760	9.456	ug/L	96
9) Trichlorofluoromethane	1.76	101	114909	15.521	ug/L	97
12) 1,1-Dichloroethene	2.14	96	83824	22.421	ug/L	89
13) Acetone	2.19	43	136378	50.185	ug/L	99
15) Methyl Acetate	2.46	43	103375	28.307	ug/L	98
16) Methylene chloride	2.53	84	64607	10.435	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	356816	32.731	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	46492	10.651	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	124984	27.021	ug/L	98
23) Bromochloromethane	4.30	128	32496	15.607	ug/L	98
25) Chloroform	4.42	83	8594	1.020	ug/L	95
27) 1,2-Dichloroethane	5.18	62	64455	10.263	ug/L	99
30) Cyclohexane	4.72	56	80162	9.985	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	76908	10.482	ug/L	98
32) Carbon tetrachloride	4.87	117	80985	12.532	ug/L	100
35) Trichloroethene	5.96	95	200408	42.074	ug/L	98

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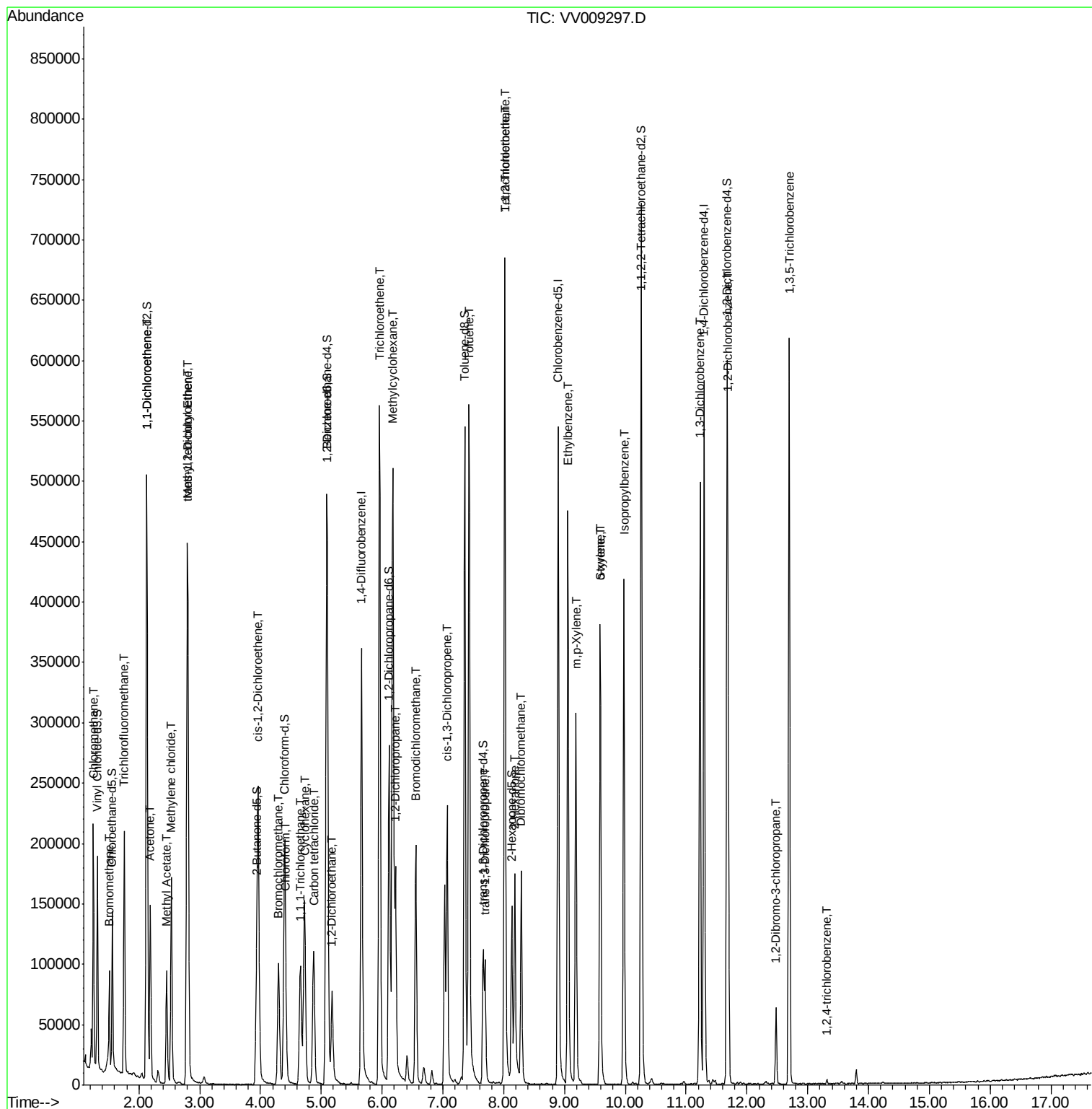
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) Methylcyclohexane	6.18	83	198585	25.598	ug/L	99
40) 1,2-Dichloropropane	6.22	63	61814	12.748	ug/L	100
41) Bromodichloromethane	6.55	83	127116	20.843	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	130443	18.449	ug/L	100
44) Toluene	7.43	91	420078	22.119	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	53455	8.819	ug/L	100
46) 1,1,2-Trichloroethane	8.02	97	1620	0.437	ug/L #	27
47) Tetrachloroethene	8.02	164	151400	40.426	ug/L	96
49) 2-Hexanone	8.18	43	115512	31.749	ug/L	98
50) Dibromochloromethane	8.29	129	84663	19.721	ug/L	97
53) Ethylbenzene	9.06	91	339637	16.058	ug/L	99
54) m,p-Xylene	9.19	106	82993	10.666	ug/L	99
55) o-xylene	9.59	106	98995	13.537	ug/L	99
56) Styrene	9.59	104	6212	0.496	ug/L #	1
57) Isopropylbenzene	9.98	105	266758	13.100	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	195163	21.319	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	93157	10.546	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	15130	14.724	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	175983	25.640	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	1289	0.236	ug/L #	94

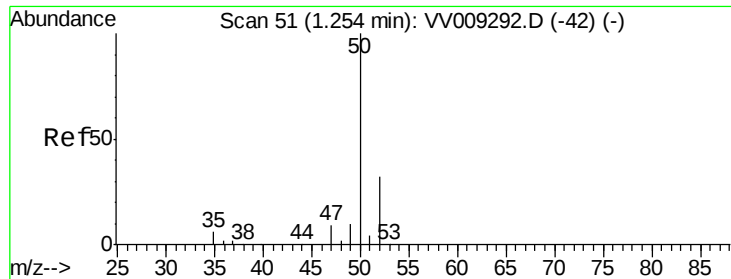
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 20.204 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

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Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

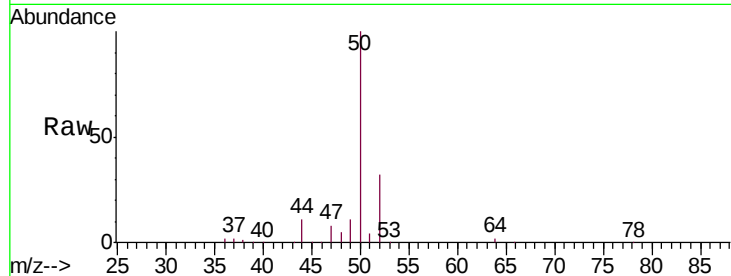
X2F76

Tgt Ion: 50 Resp: 111733

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009297.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009297.D (-42) (-)

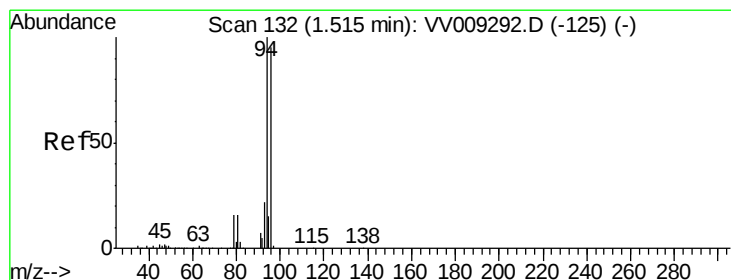
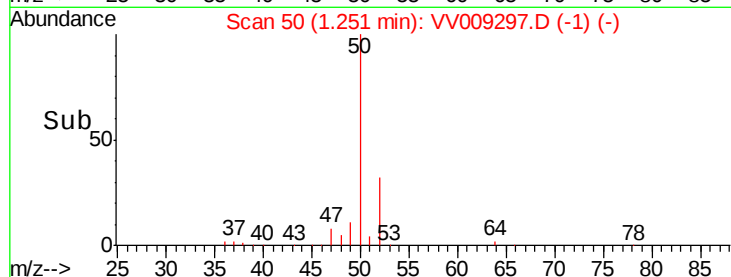
1.25

100000

50000

0

Time-->



#6

Bromomethane

Concen: 9.456 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009297.D

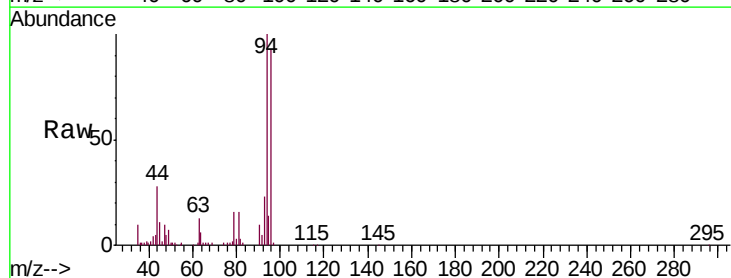
Acq: 13 Feb 2019 17:13

Tgt Ion: 94 Resp: 21760

Ion Ratio Lower Upper

94 100

96 92.1 9.6 182.0



Abundance Ion 94.00 (93.70 to 94.70): VV009297.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009297.D (-125) (-)

1.51

25000

20000

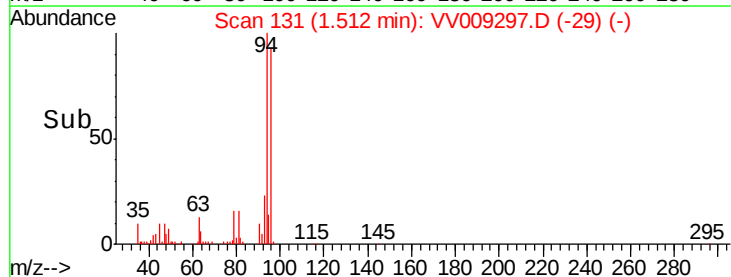
15000

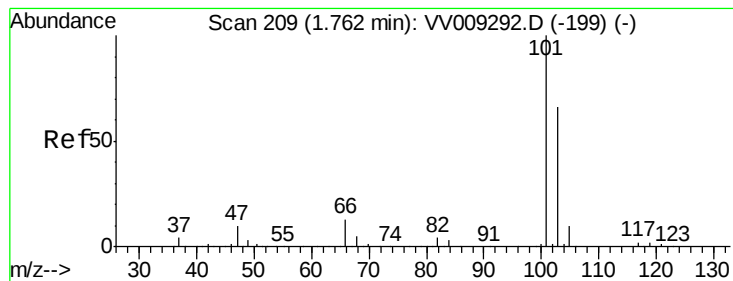
10000

5000

0

Time-->





#9

Trichlorofluoromethane

Concen: 15.521 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

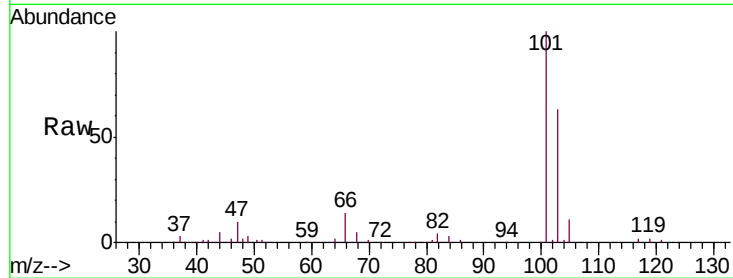
X2F76

Tgt Ion:101 Resp: 114909

Ion Ratio Lower Upper

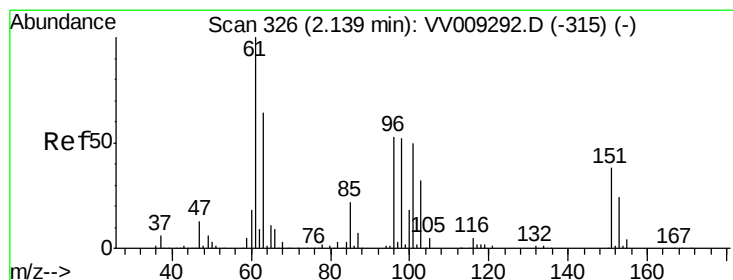
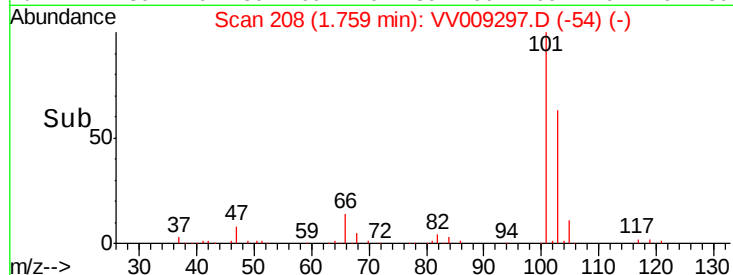
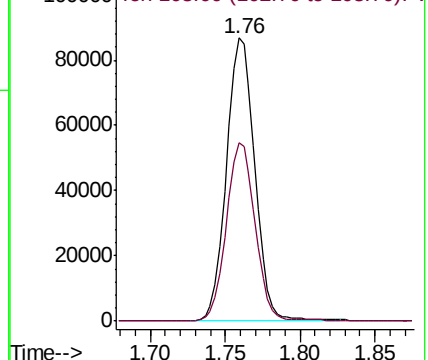
101 100

103 63.3 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 22.421 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

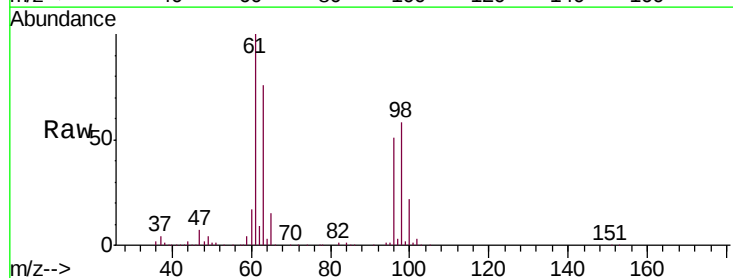
Tgt Ion: 96 Resp: 83824

Ion Ratio Lower Upper

96 100

61 195.5 131.8 244.8

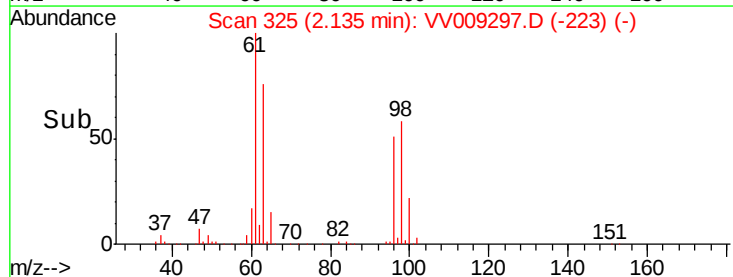
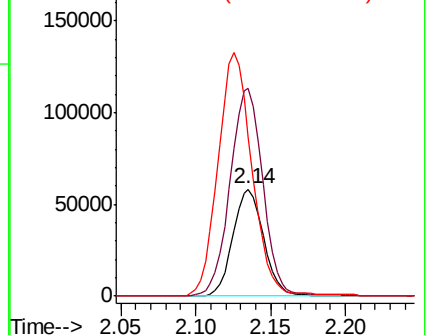
63 148.7 88.8 165.0

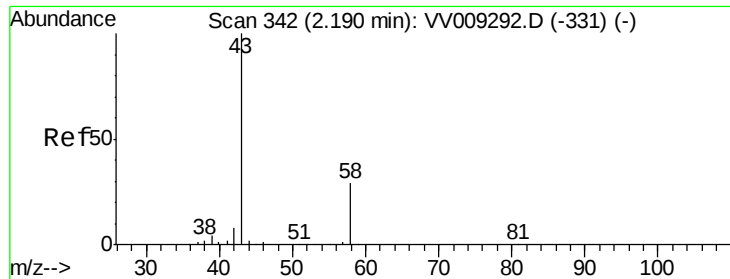


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.185 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

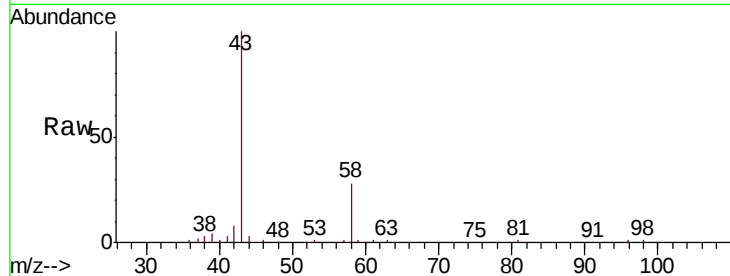
X2F76

Tgt Ion: 43 Resp: 136378

Ion Ratio Lower Upper

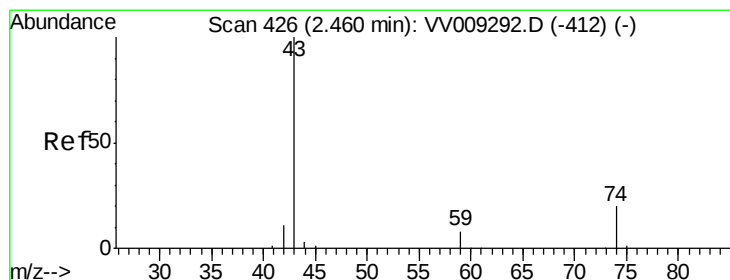
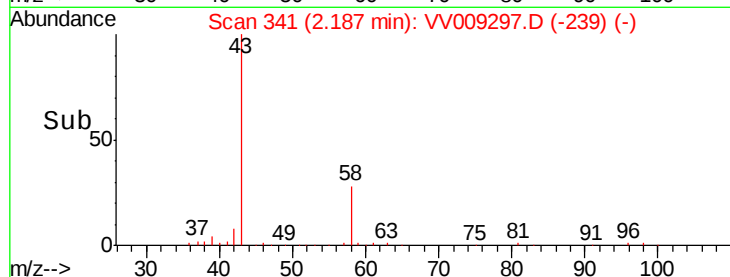
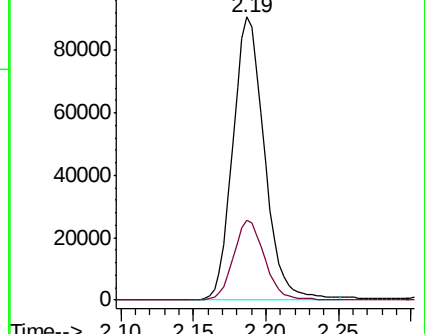
43 100

58 27.9 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV009297.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009297.D (-331) (-)



#15

Methyl Acetate

Concen: 28.307 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV009297.D

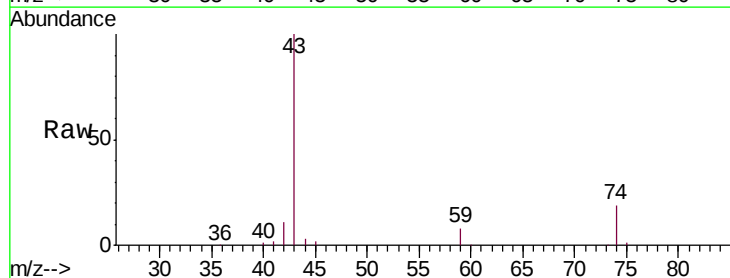
Acq: 13 Feb 2019 17:13

Tgt Ion: 43 Resp: 103375

Ion Ratio Lower Upper

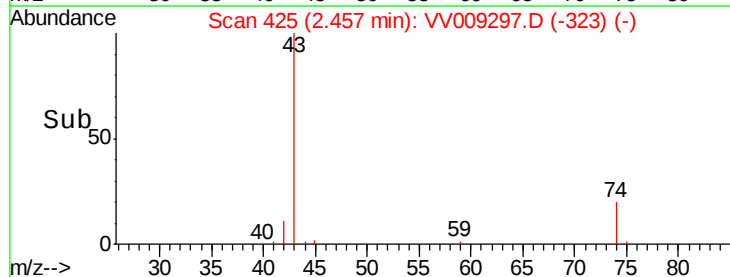
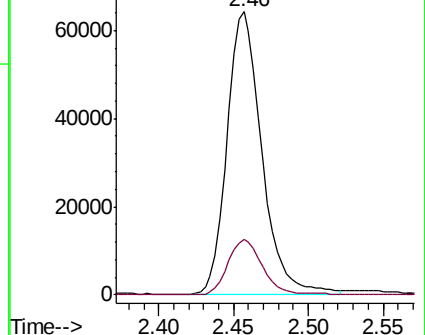
43 100

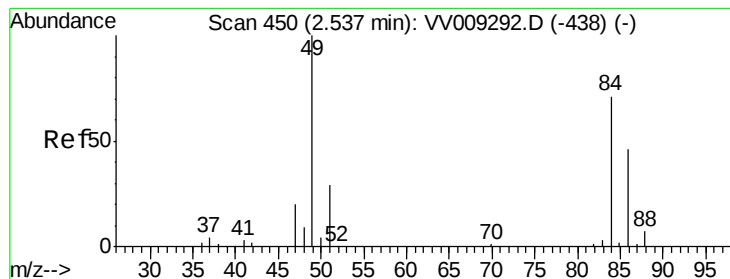
74 19.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VV009297.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VV009297.D (-412) (-)





#16

Methylene chloride

Concen: 10.435 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009297.D

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ClientSampleId :

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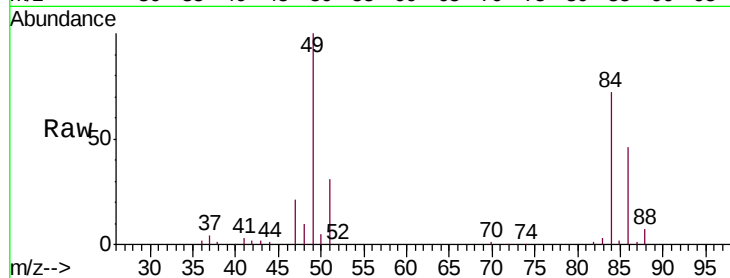
Tgt Ion: 84 Resp: 64607

Ion Ratio Lower Upper

84 100

49 139.5 98.4 182.8

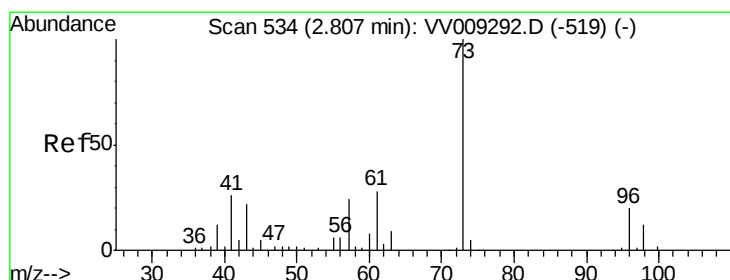
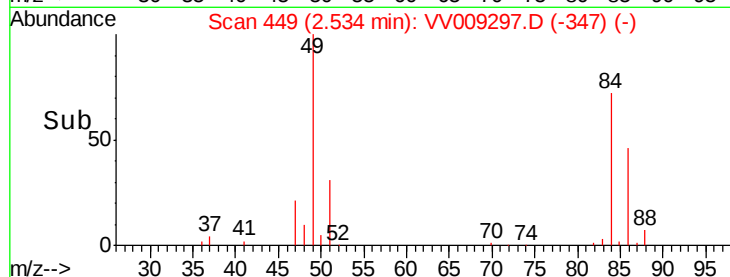
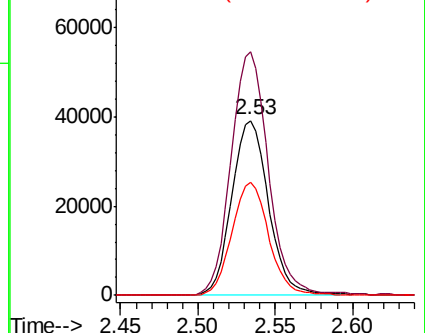
86 64.7 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VV009297.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009297.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009297.D (-438) (-)



#17

Methyl tert-butyl Ether

Concen: 32.731 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

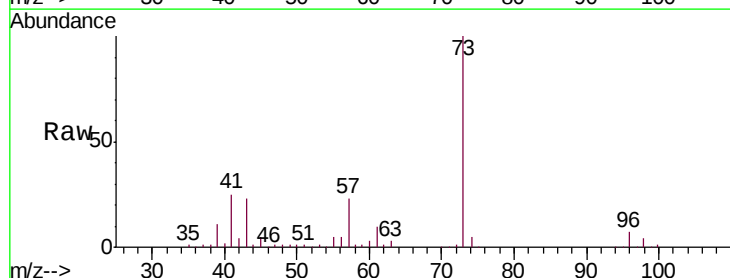
Tgt Ion: 73 Resp: 356816

Ion Ratio Lower Upper

73 100

43 22.4 18.2 27.4

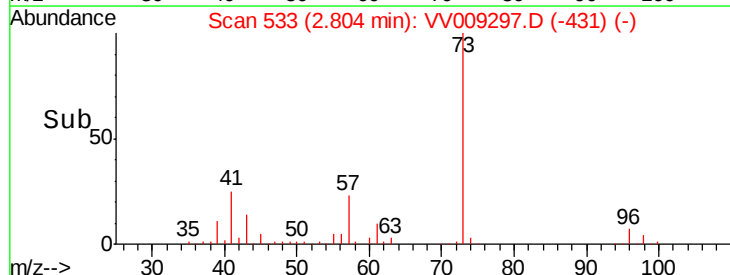
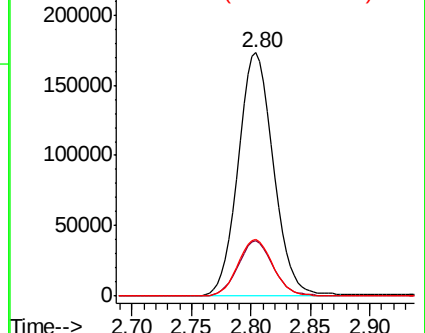
57 23.0 19.0 28.4

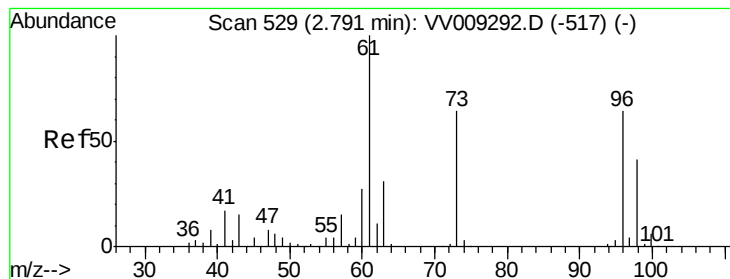


Abundance Ion 73.00 (72.70 to 73.70): VV009297.D (-431) (-)

Ion 43.00 (42.70 to 43.70): VV009297.D (-431) (-)

Ion 57.00 (56.70 to 57.70): VV009297.D (-431) (-)





#18

trans-1,2-Dichloroethene

Concen: 10.651 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009297.D

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ClientSampled :

X2F76

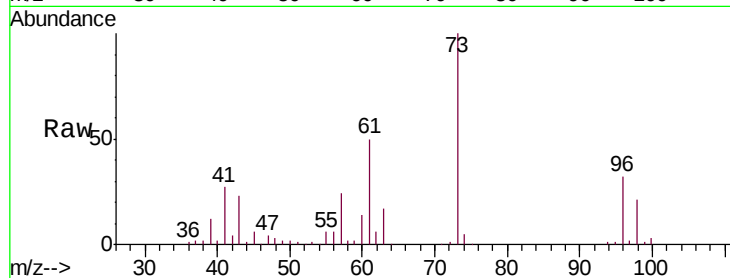
Tgt Ion: 96 Resp: 46492

Ion Ratio Lower Upper

96 100

61 158.2 109.0 202.4

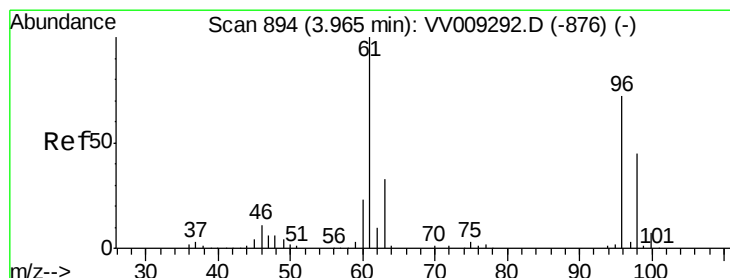
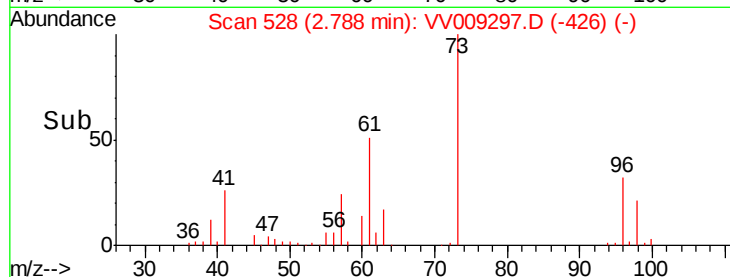
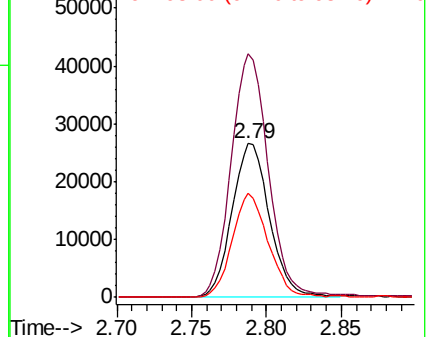
98 67.2 44.3 82.3



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



#22

cis-1,2-Dichloroethene

Concen: 27.021 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

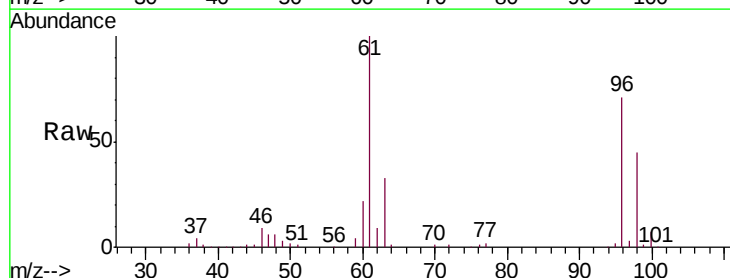
Tgt Ion: 96 Resp: 124984

Ion Ratio Lower Upper

96 100

61 141.4 96.9 179.9

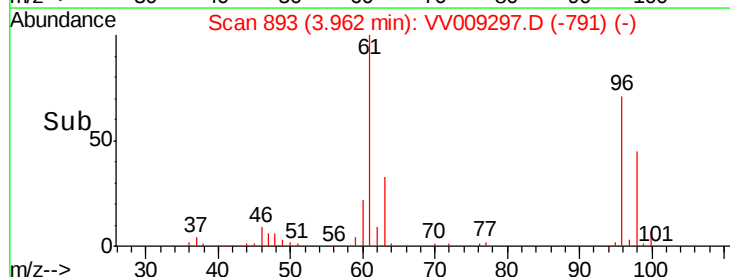
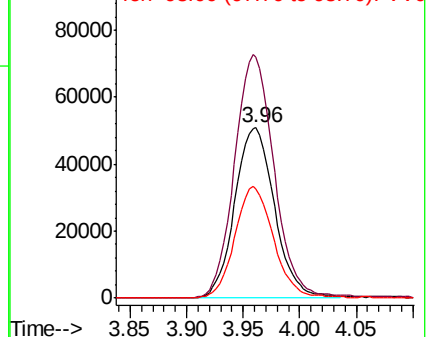
98 64.3 44.0 81.8

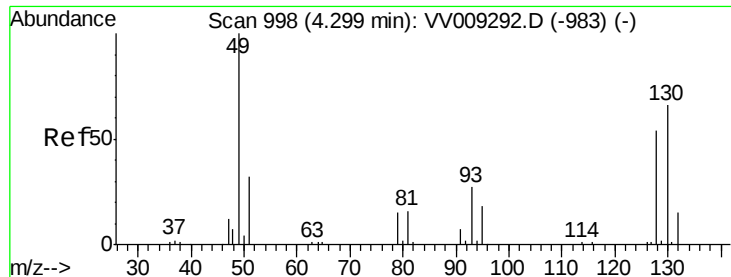


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

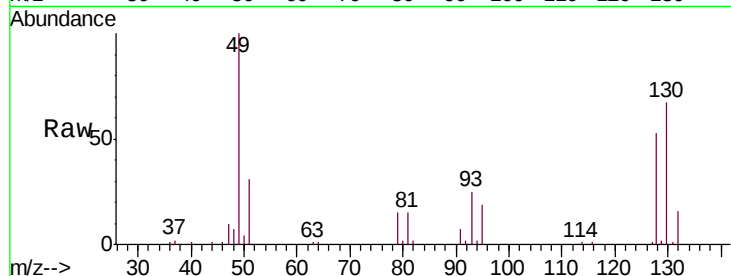




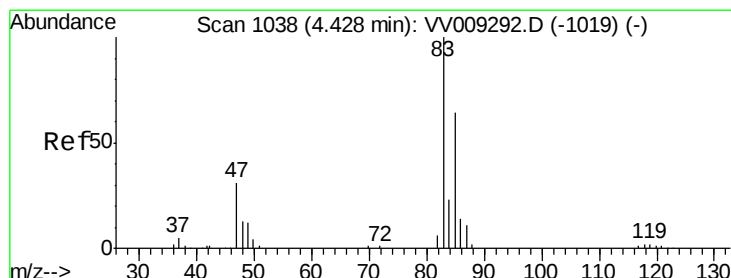
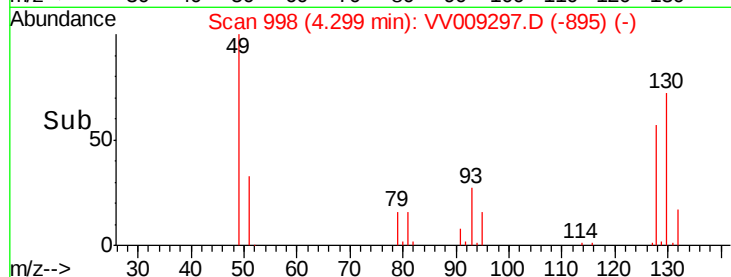
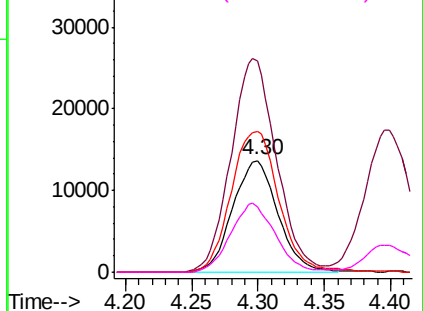
#23
Bromochloromethane
Concen: 15.607 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009297.D
Acq: 13 Feb 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
X2F76

Tgt Ion:128 Resp: 32496
Ion Ratio Lower Upper
128 100
49 189.3 130.6 242.6
130 126.1 85.9 159.5
51 59.0 47.2 70.8

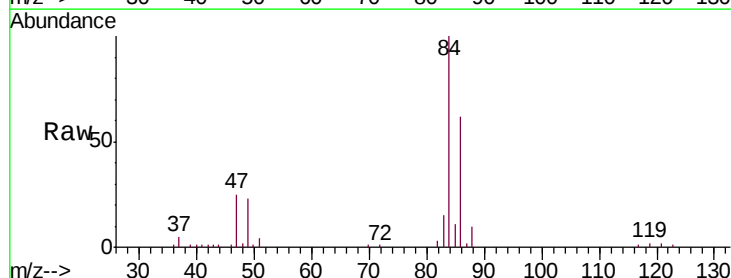


Abundance Ion 128.00 (127.70 to 128.70): VV009297.D (-983) (-)
Ion 49.00 (48.70 to 49.70): VV009297.D (-983) (-)
Ion 130.00 (129.70 to 130.70): VV009297.D (-983) (-)
Ion 51.00 (50.70 to 51.70): VV009297.D (-983) (-)

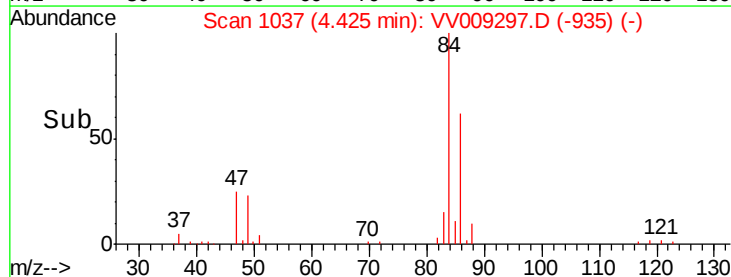
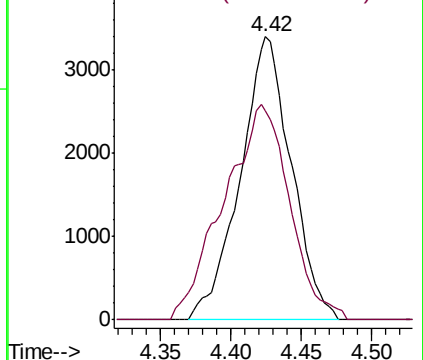


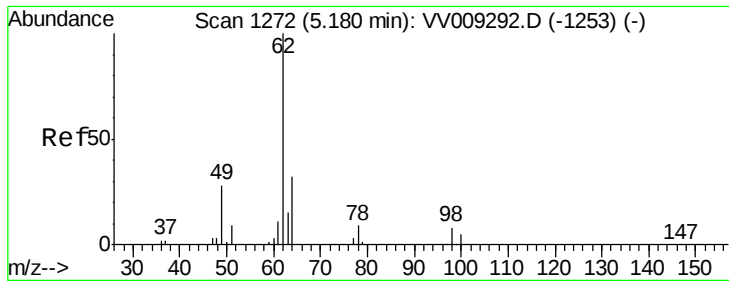
#25
Chloroform
Concen: 1.020 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009297.D
Acq: 13 Feb 2019 17:13

Tgt Ion: 83 Resp: 8594
Ion Ratio Lower Upper
83 100
85 61.3 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV009297.D (-1019) (-)
Ion 85.00 (84.70 to 85.70): VV009297.D (-1019) (-)





#27

1,2-Dichloroethane

Concen: 10.263 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

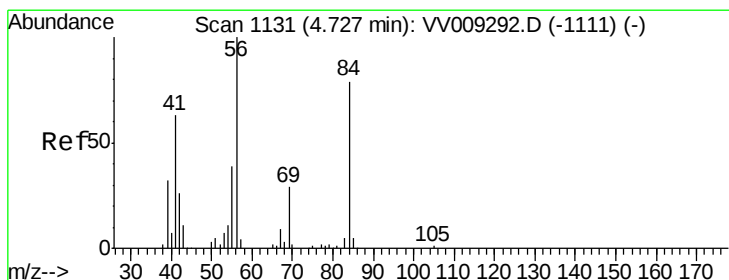
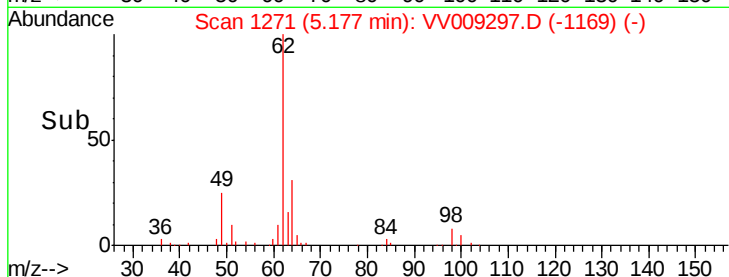
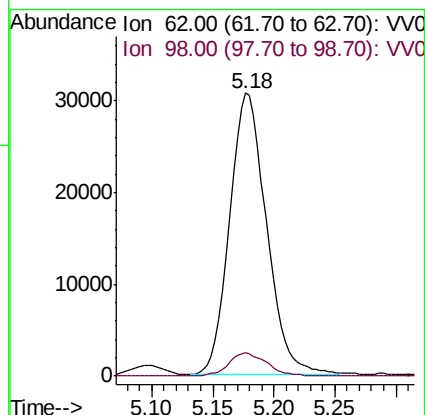
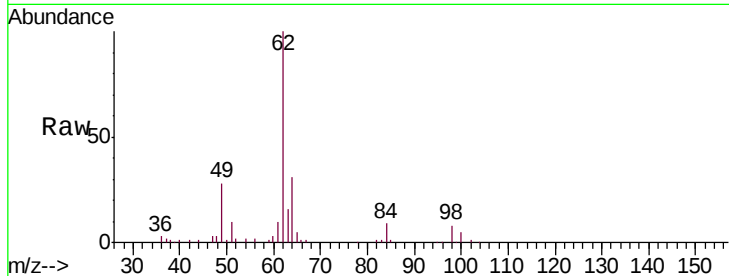
X2F76

Tgt Ion: 62 Resp: 64455

Ion Ratio Lower Upper

62 100

98 8.2 6.2 9.4



#30

Cyclohexane

Concen: 9.985 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

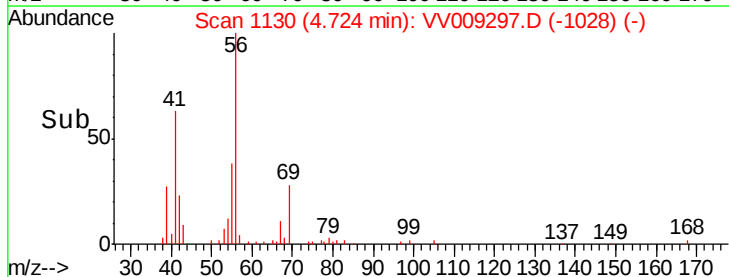
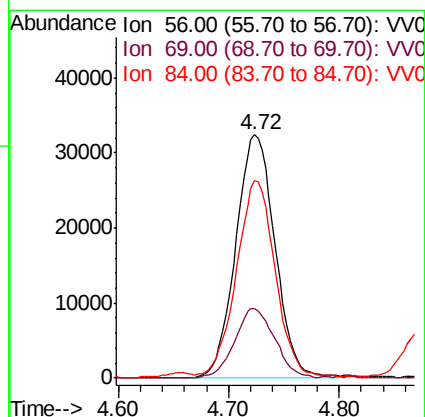
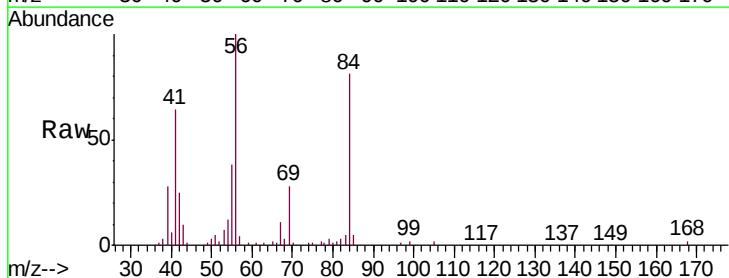
Tgt Ion: 56 Resp: 80162

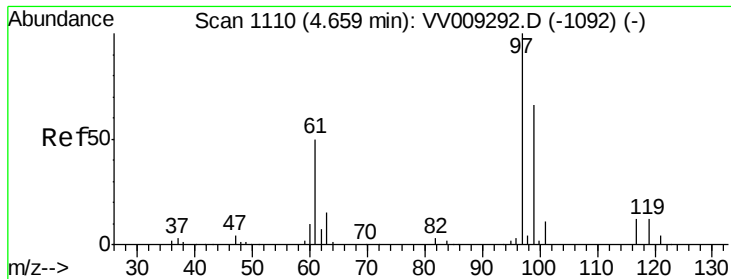
Ion Ratio Lower Upper

56 100

69 29.1 23.5 35.3

84 78.1 62.2 93.2





#31

1,1,1-Trichloroethane

Concen: 10.482 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

X2F76

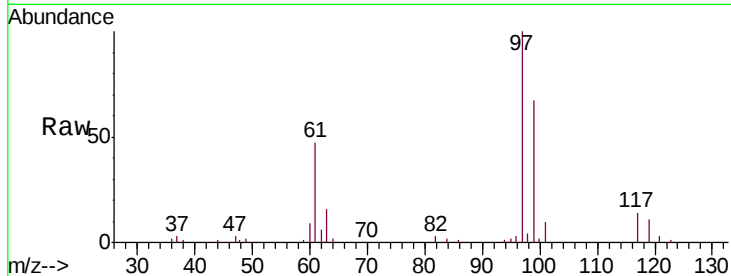
Tgt Ion: 97 Resp: 76908

Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 46.8 39.4 59.2

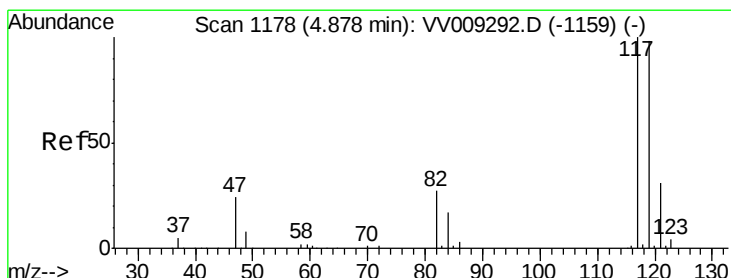
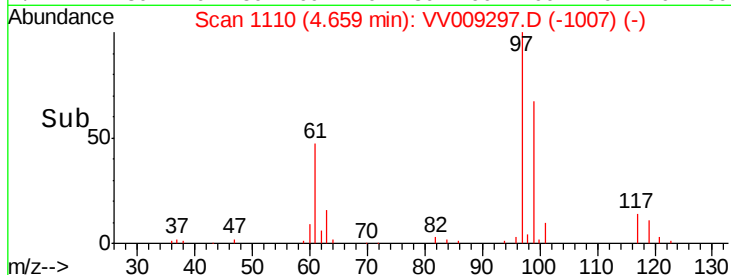
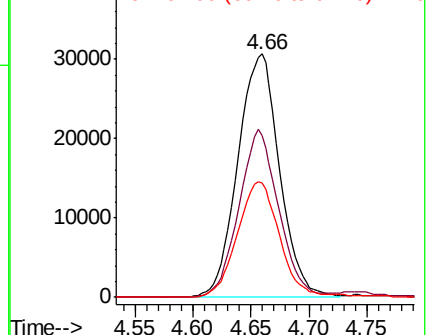


Abundance

Ion 97.00 (96.70 to 97.70): VV009292.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009292.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV009292.D (-1092) (-)



#32

Carbon tetrachloride

Concen: 12.532 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009297.D

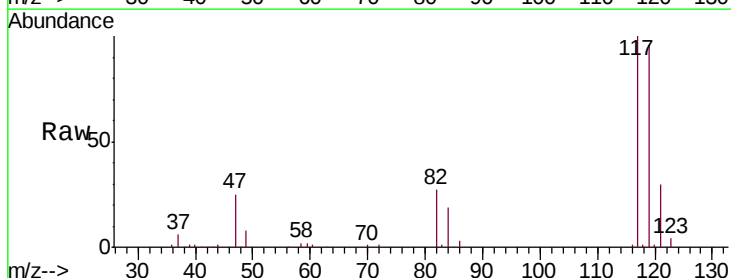
Acq: 13 Feb 2019 17:13

Tgt Ion: 117 Resp: 80985

Ion Ratio Lower Upper

117 100

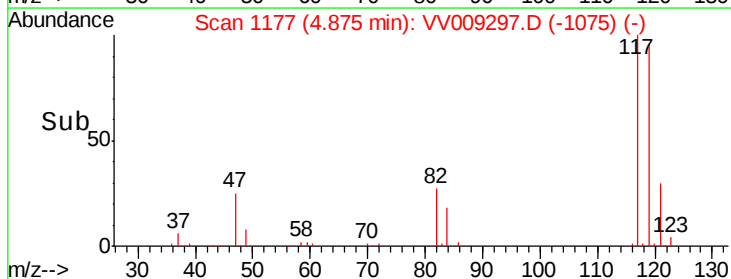
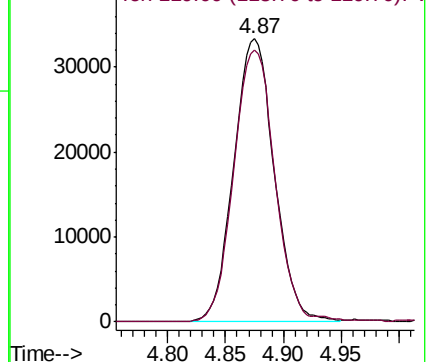
119 96.6 77.5 116.3

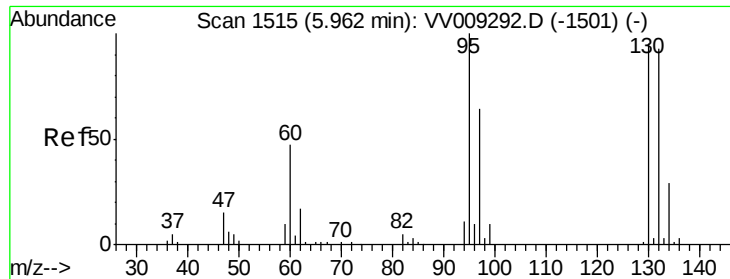


Abundance

Ion 117.00 (116.70 to 117.70): VV009292.D (-1159) (-)

Ion 119.00 (118.70 to 119.70): VV009292.D (-1159) (-)

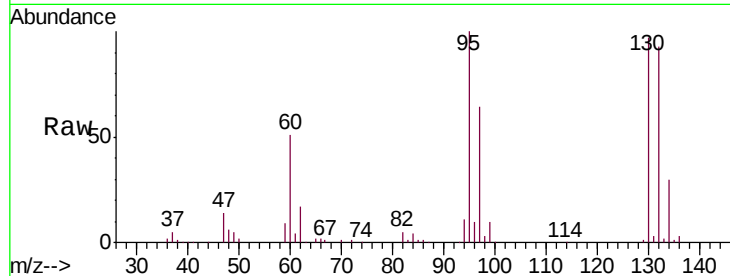




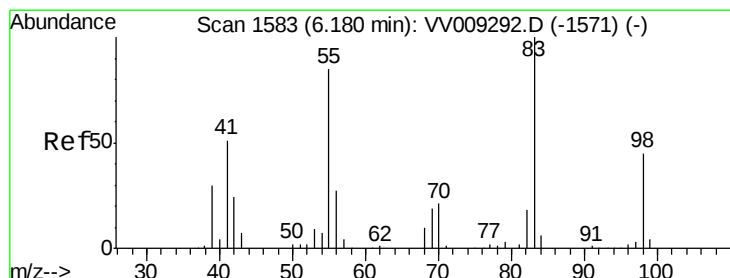
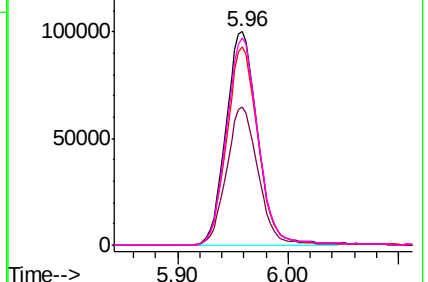
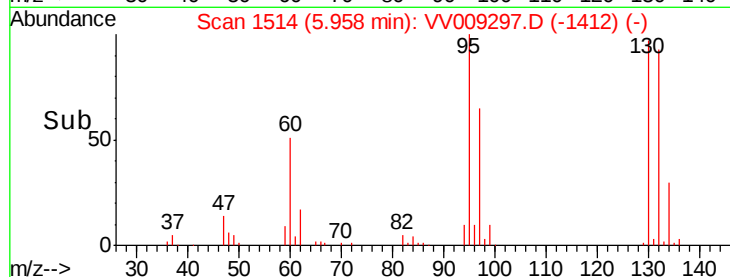
#35
 Trichloroethene
 Concen: 42.074 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 X2F76

Tgt Ion: 95 Resp: 200408
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.4 82.5
 132 91.4 65.9 122.5
 130 96.6 65.8 122.2

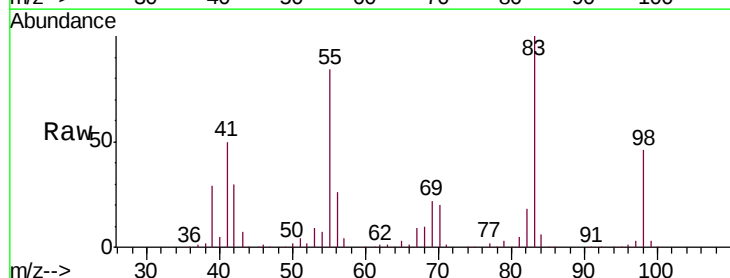


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

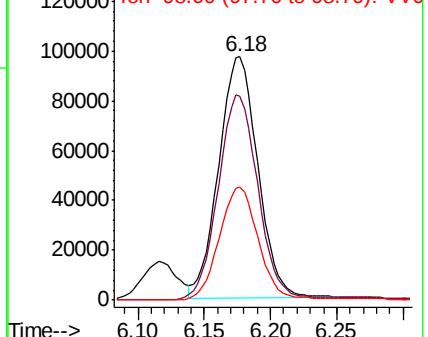
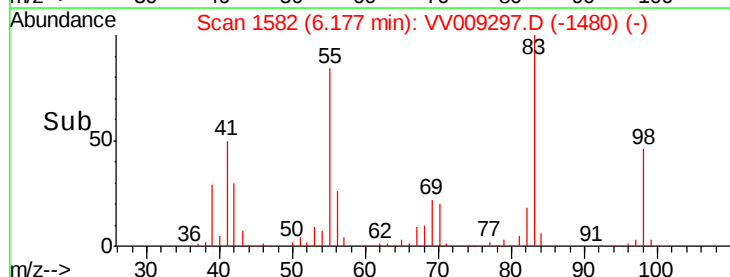


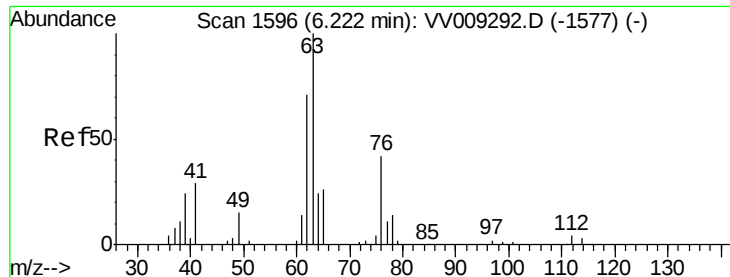
#36
 Methylcyclohexane
 Concen: 25.598 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

Tgt Ion: 83 Resp: 198585
 Ion Ratio Lower Upper
 83 100
 55 86.3 70.6 105.8
 98 45.9 36.7 55.1



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

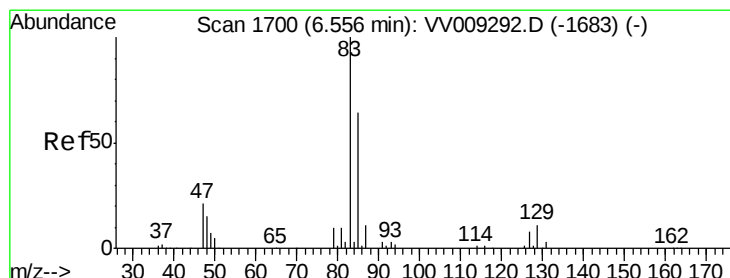
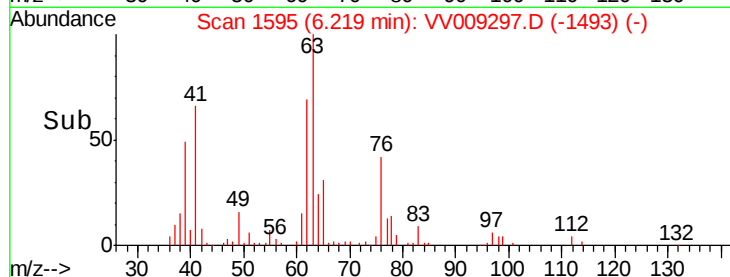
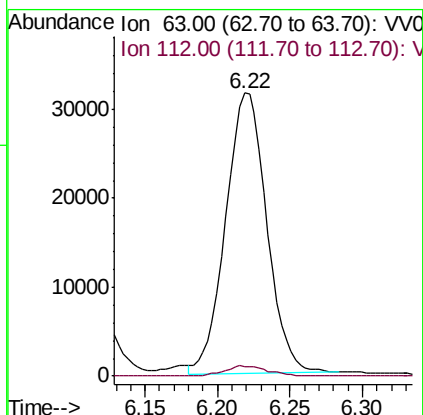
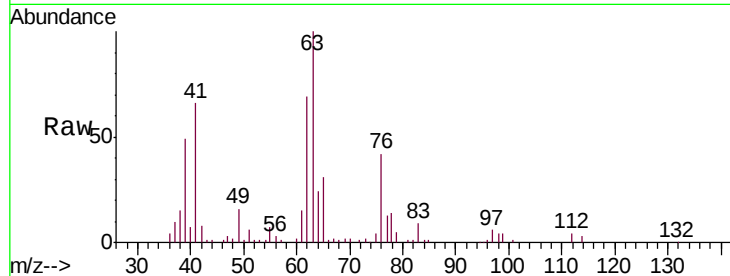




#40
 1,2-Dichloropropane
 Concen: 12.748 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

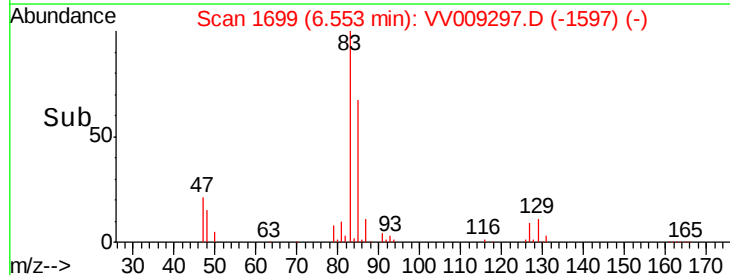
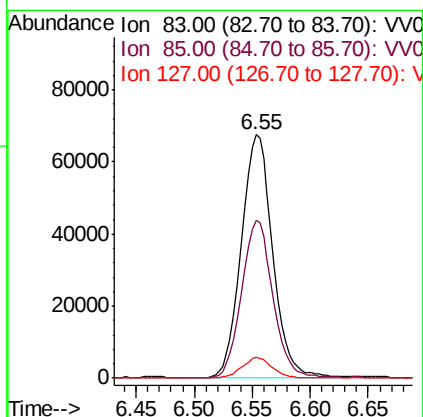
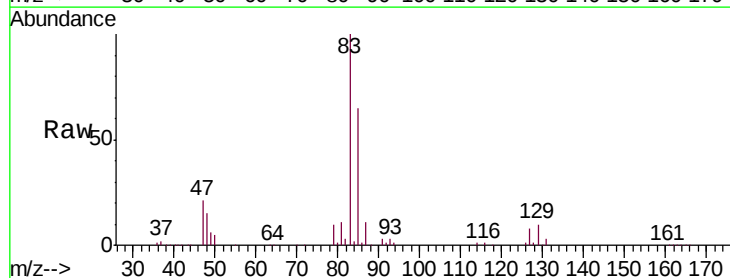
Instrument :
 MSVOA_V
 ClientSampleId :
 X2F76

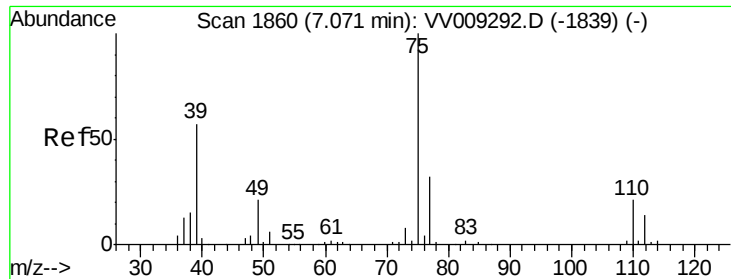
Tgt Ion: 63 Resp: 61814
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#41
 Bromodichloromethane
 Concen: 20.843 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

Tgt Ion: 83 Resp: 127116
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.0 83.6
 127 8.5 6.4 9.6



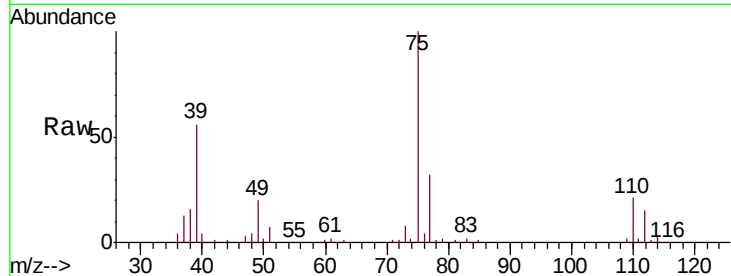


#42

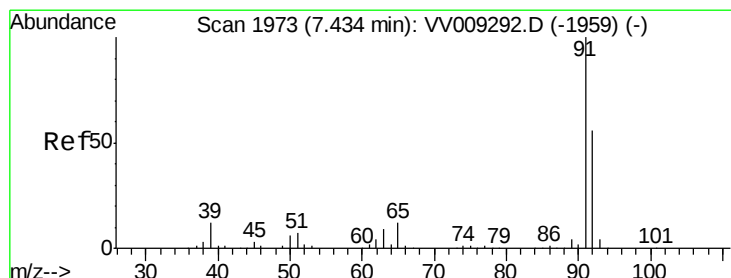
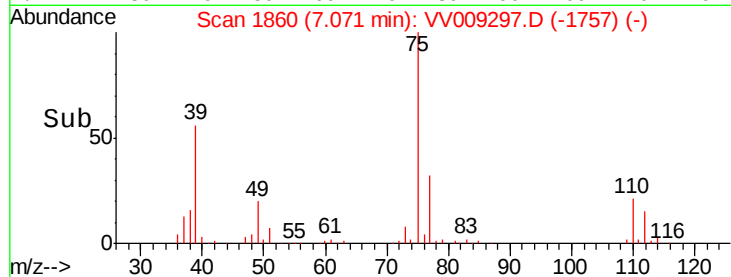
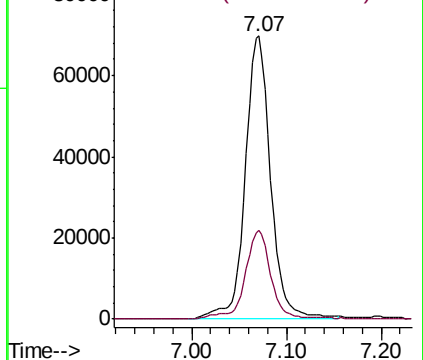
cis-1,3-Dichloropropene
Concen: 18.449 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009297.D
Acq: 13 Feb 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
X2F76

Tgt Ion: 75 Resp: 130443
Ion Ratio Lower Upper
75 100
77 31.5 22.2 41.2



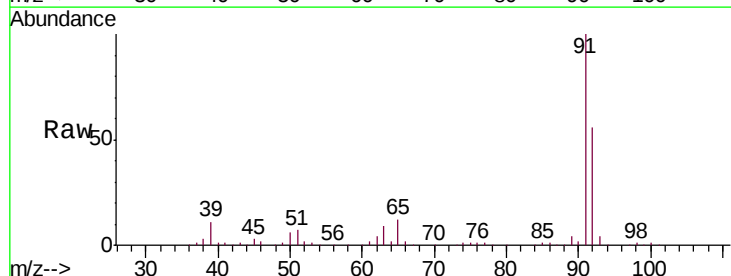
Abundance Ion 75.00 (74.70 to 75.70): VV009292.D (-1839) (-)
Ion 77.00 (76.70 to 77.70): VV009292.D (-1839) (-)



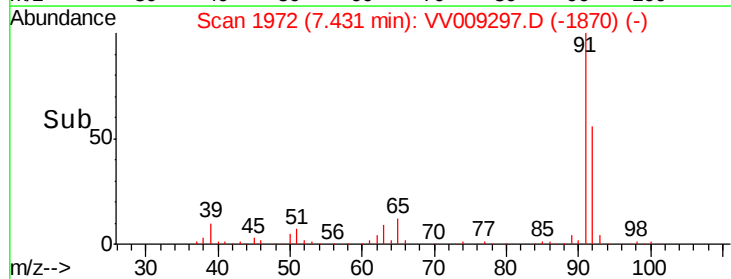
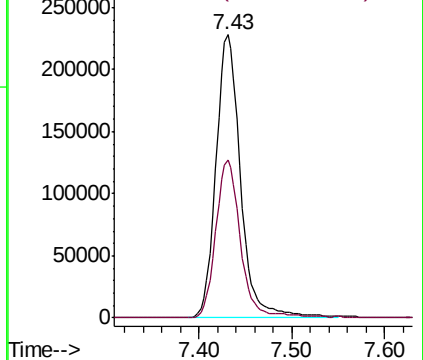
#44

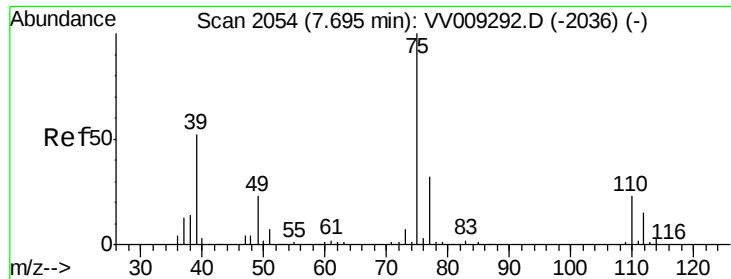
Toluene
Concen: 22.119 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV009297.D
Acq: 13 Feb 2019 17:13

Tgt Ion: 91 Resp: 420078
Ion Ratio Lower Upper
91 100
92 55.6 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VV009292.D (-1959) (-)
Ion 92.00 (91.70 to 92.70): VV009292.D (-1959) (-)





#45

trans-1,3-Dichloropropene

Concen: 8.819 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

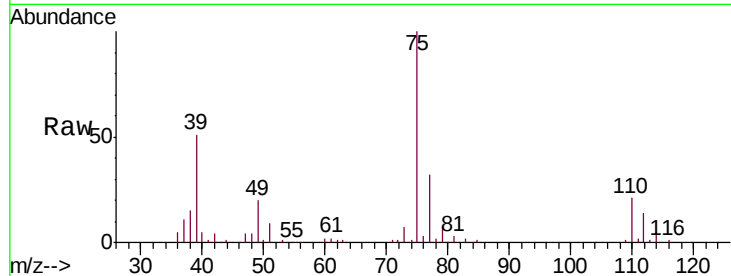
X2F76

Tgt Ion: 75 Resp: 53455

Ion Ratio Lower Upper

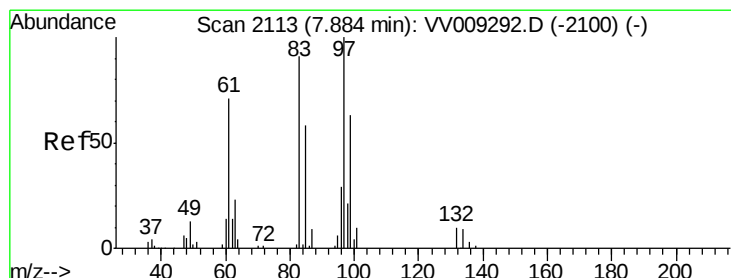
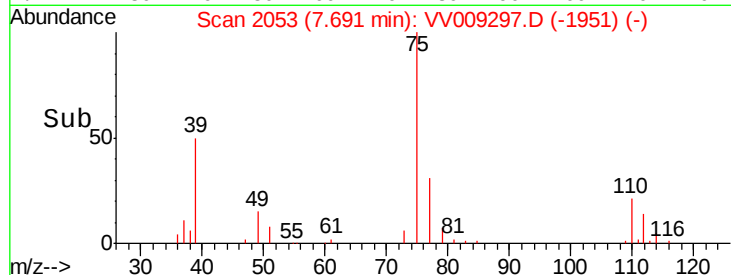
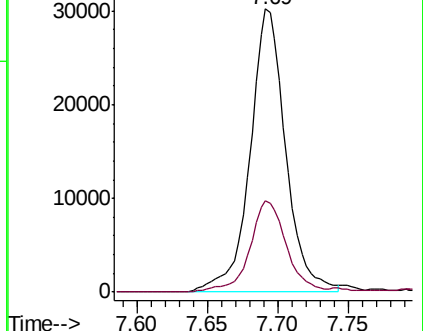
75 100

77 32.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV009292.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009292.D (-2036) (-)



#46

1,1,2-Trichloroethane

Concen: 0.437 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.13 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Tgt Ion: 97 Resp: 1620

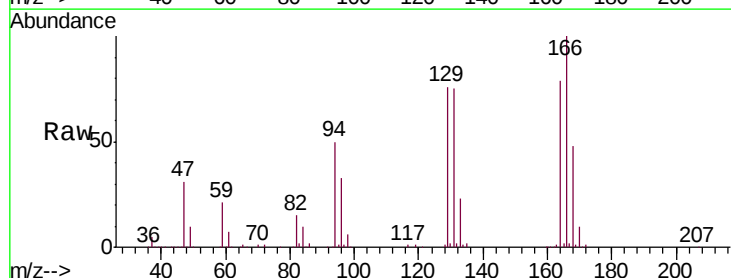
Ion Ratio Lower Upper

97 100

83 204.1 63.4 117.8#

85 43.6 40.7 75.7

99 19.5 43.8 81.4#

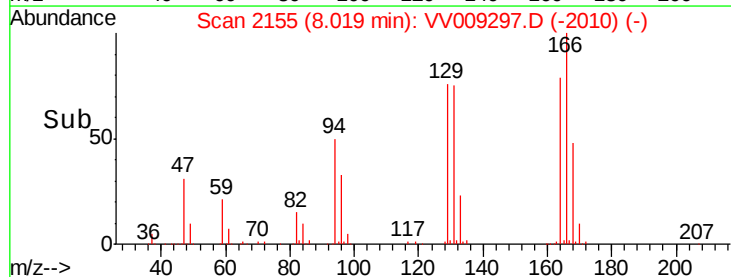
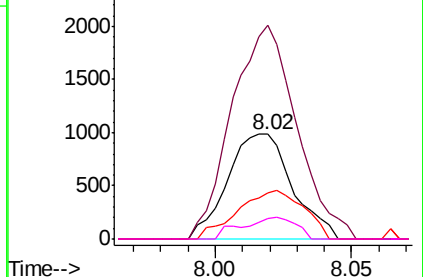


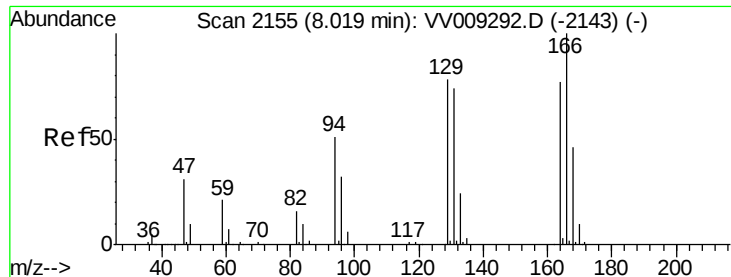
Abundance Ion 97.00 (96.70 to 97.70): VV009292.D (-2100) (-)

Ion 83.00 (82.70 to 83.70): VV009292.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV009292.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV009292.D (-2100) (-)





#47

Tetrachloroethene

Concen: 40.426 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :
X2F76

Tgt Ion:164 Resp: 151400

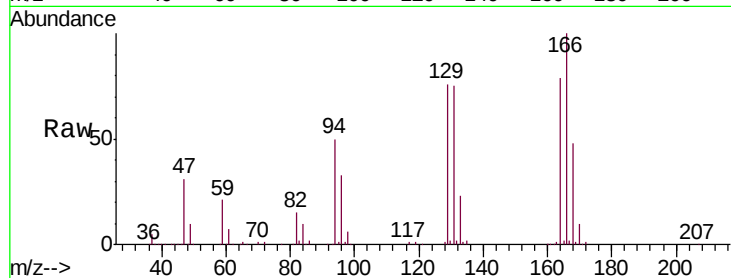
Ion Ratio Lower Upper

164 100

129 96.5 71.1 132.1

131 94.5 67.4 125.2

166 126.2 91.4 169.8



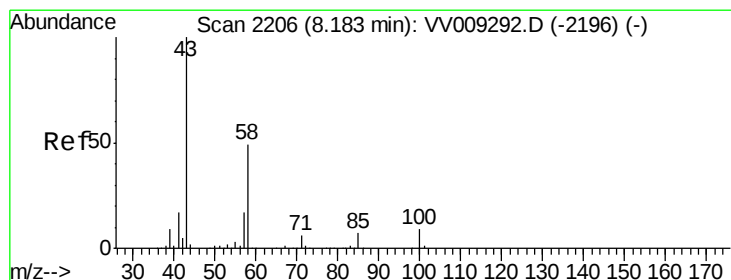
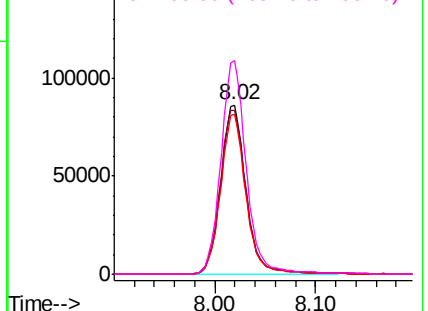
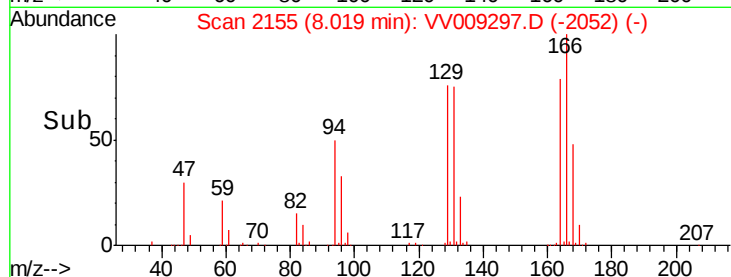
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 31.749 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Tgt Ion: 43 Resp: 115512

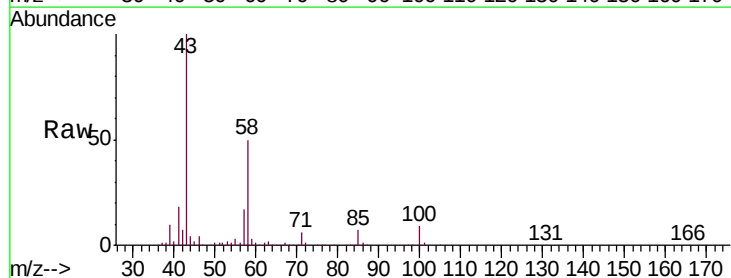
Ion Ratio Lower Upper

43 100

58 49.2 40.6 61.0

57 18.1 14.1 21.1

100 9.6 7.6 11.4



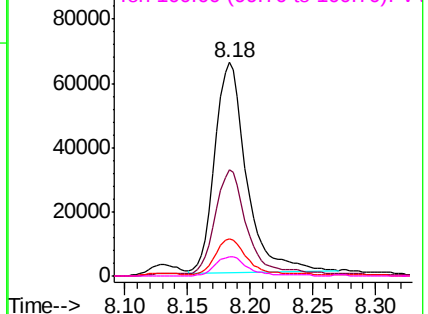
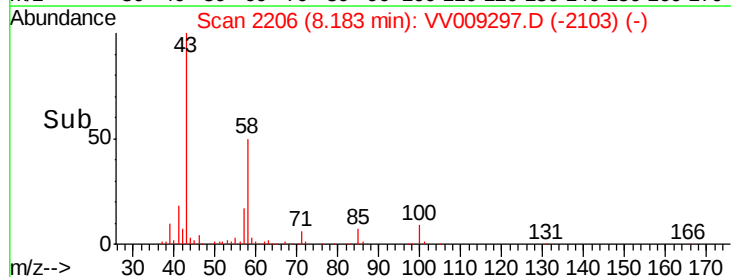
Abundance

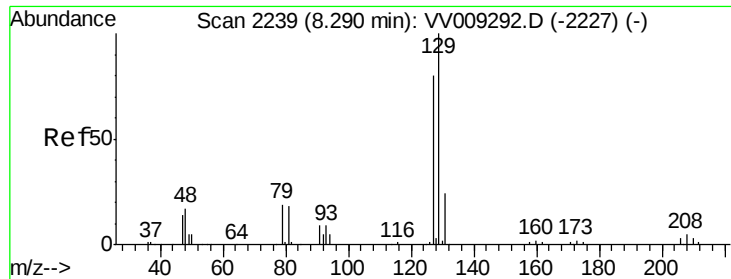
Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#50

Dibromochloromethane

Concen: 19.721 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampled :

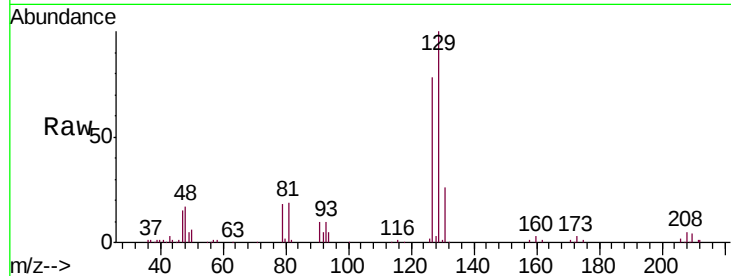
X2F76

Tgt Ion:129 Resp: 84663

Ion Ratio Lower Upper

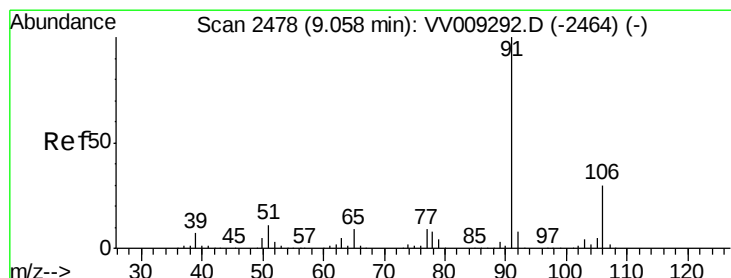
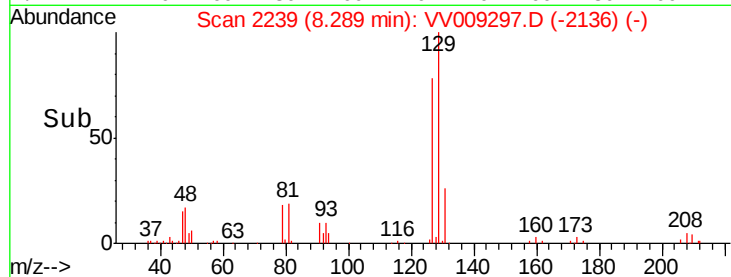
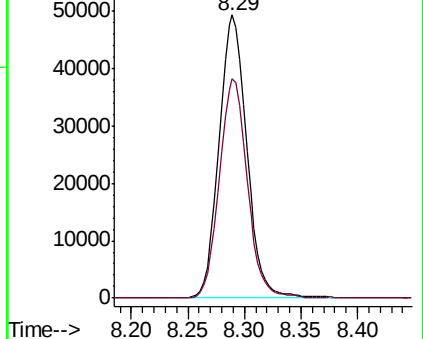
129 100

127 77.7 56.2 104.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#53

Ethylbenzene

Concen: 16.058 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009297.D

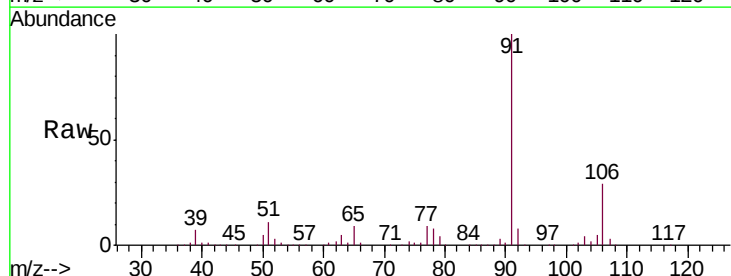
Acq: 13 Feb 2019 17:13

Tgt Ion: 91 Resp: 339637

Ion Ratio Lower Upper

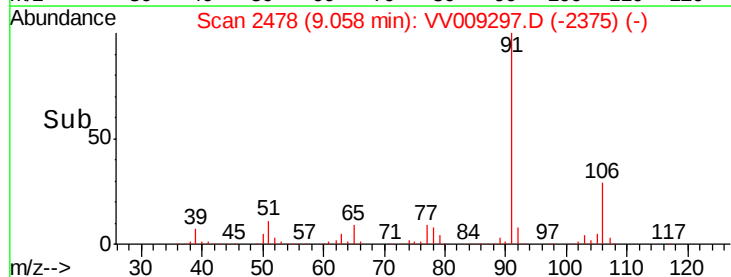
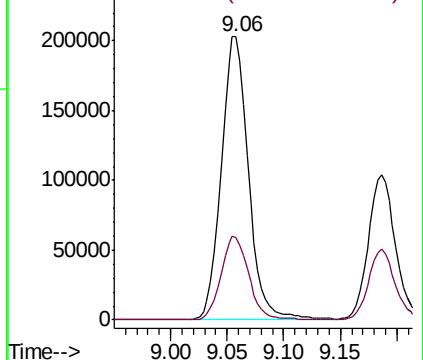
91 100

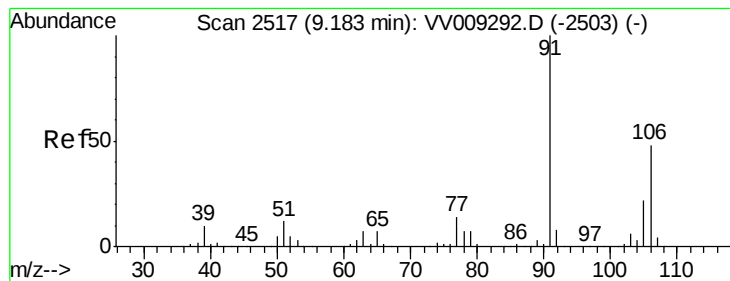
106 29.2 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 10.666 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

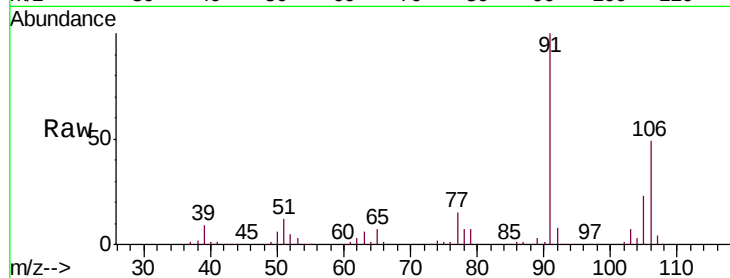
X2F76

Tgt Ion:106 Resp: 82993

Ion Ratio Lower Upper

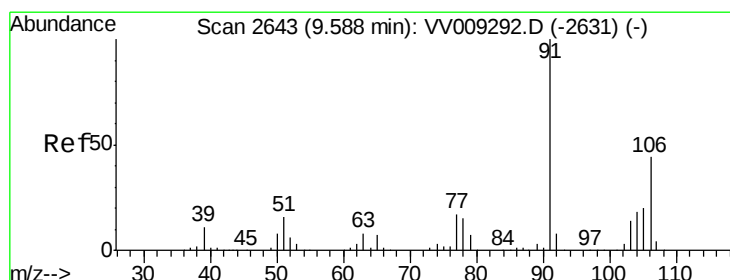
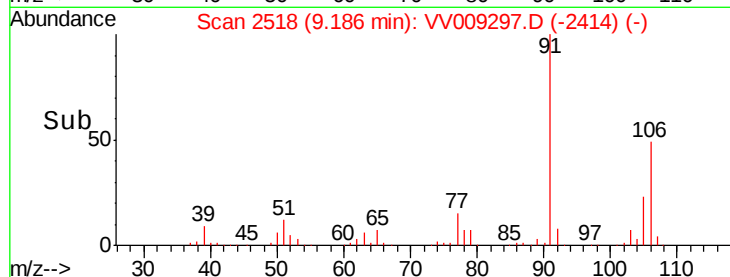
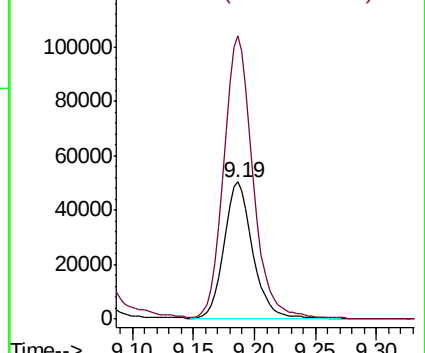
106 100

91 206.1 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 13.537 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009297.D

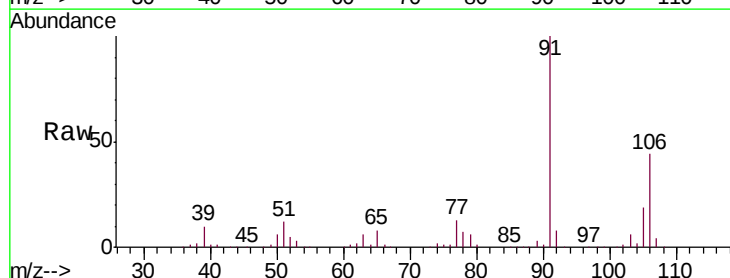
Acq: 13 Feb 2019 17:13

Tgt Ion:106 Resp: 98995

Ion Ratio Lower Upper

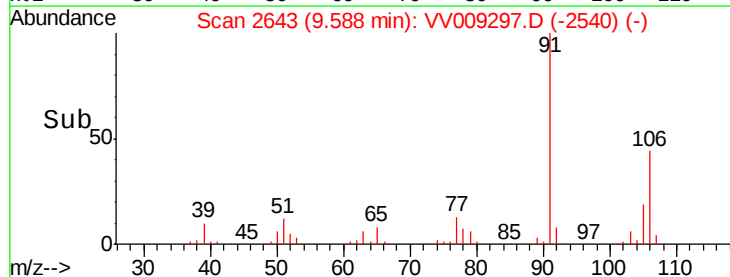
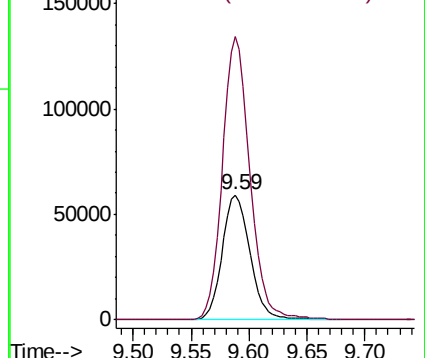
106 100

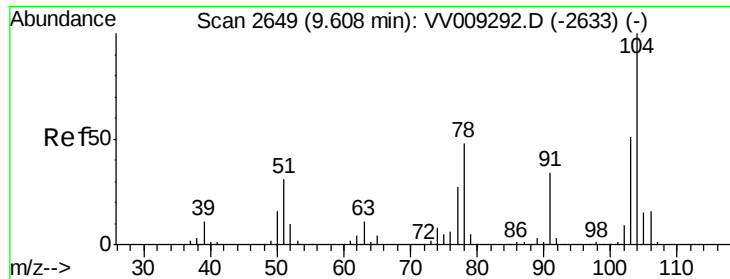
91 226.2 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Styrene

Concen: 0.496 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.02 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

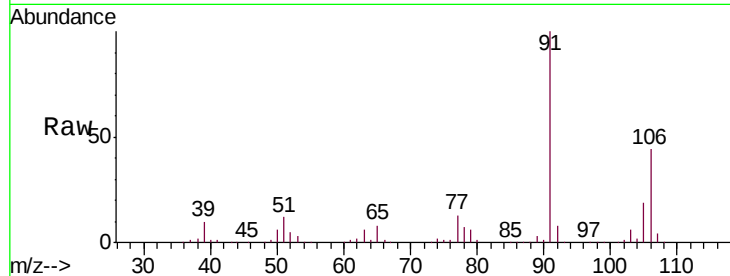
X2F76

Tgt Ion:104 Resp: 6212

Ion Ratio Lower Upper

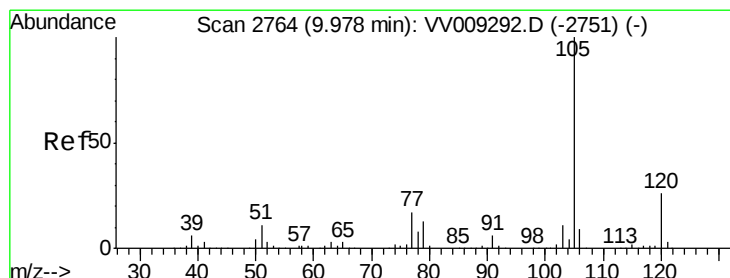
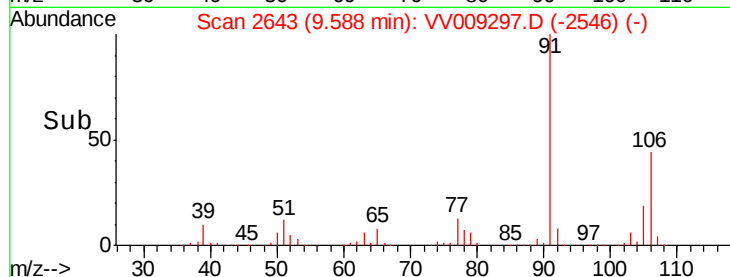
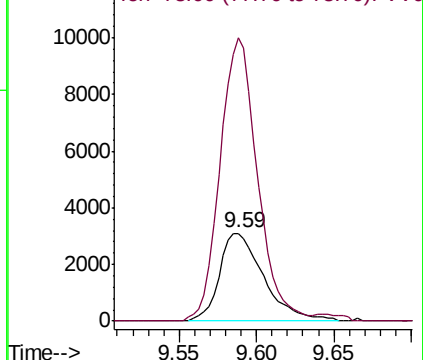
104 100

78 323.2 33.6 62.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#57

Isopropylbenzene

Concen: 13.100 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009297.D

Acq: 13 Feb 2019 17:13

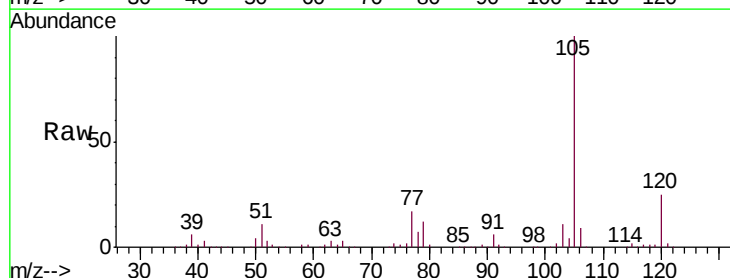
Tgt Ion:105 Resp: 266758

Ion Ratio Lower Upper

105 100

120 25.4 21.1 31.7

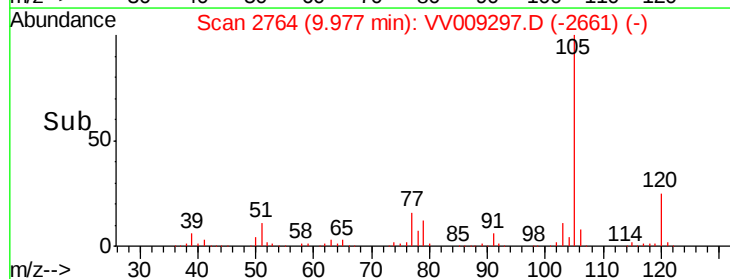
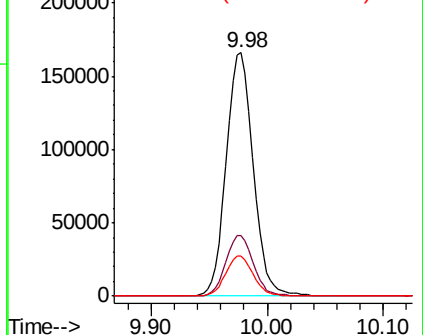
77 16.8 13.8 20.8

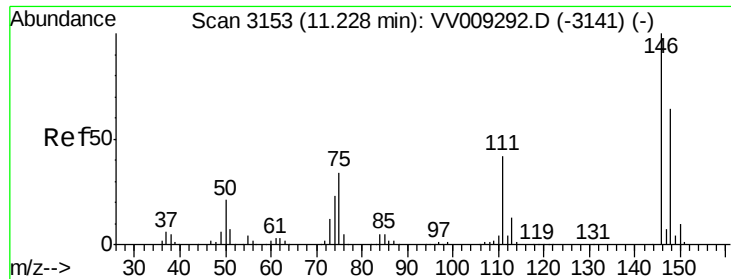


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

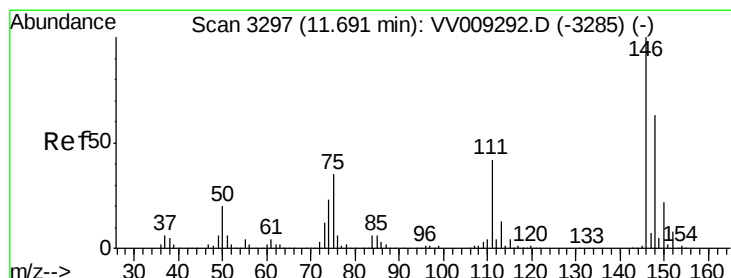
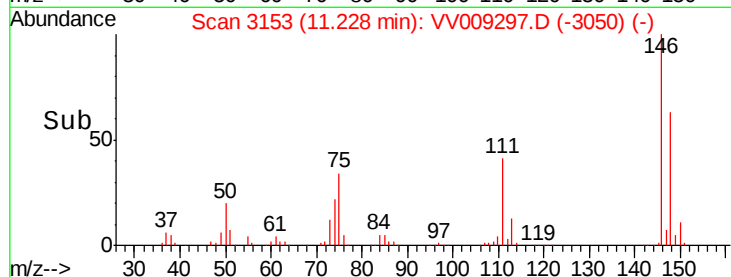
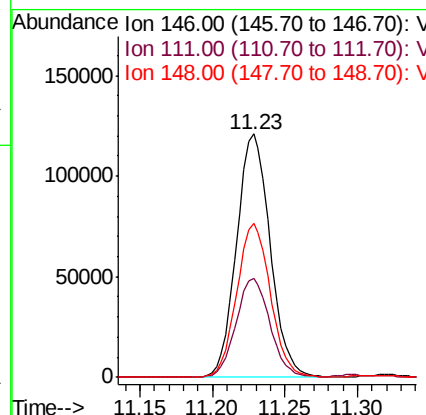
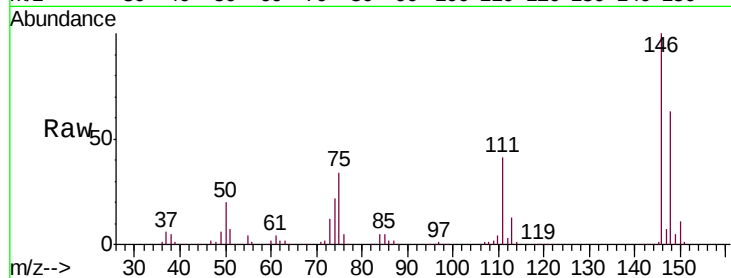




#63
 1,3-Dichlorobenzene
 Concen: 21.319 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

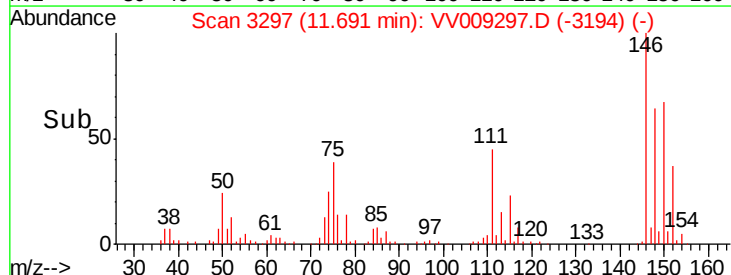
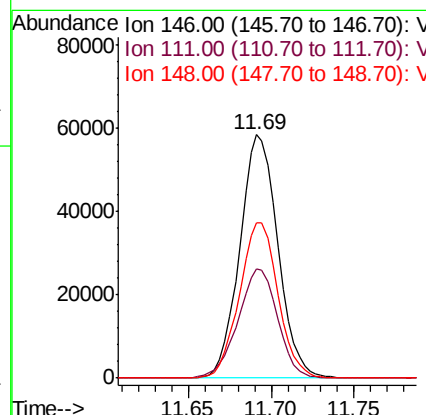
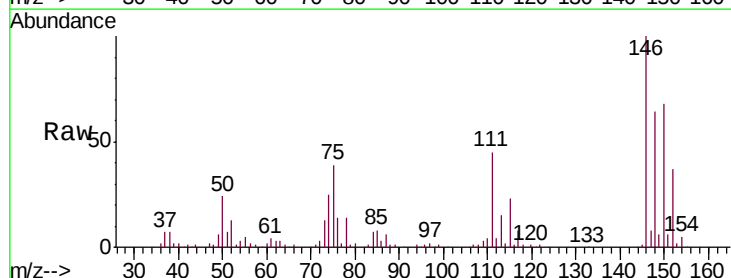
Instrument :
 MSVOA_V
 ClientSampleId :
 X2F76

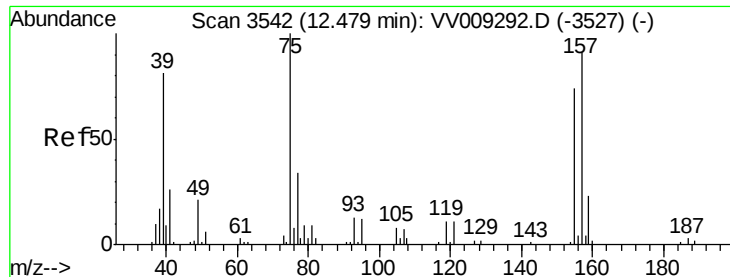
Tgt Ion:146 Resp: 195163
 Ion Ratio Lower Upper
 146 100
 111 40.6 29.5 54.7
 148 63.1 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 10.546 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

Tgt Ion:146 Resp: 93157
 Ion Ratio Lower Upper
 146 100
 111 44.7 33.8 50.8
 148 63.8 50.1 75.1

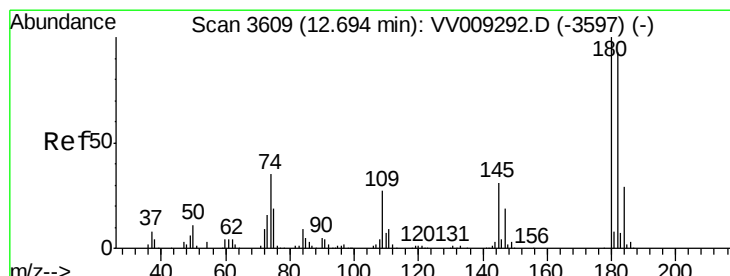
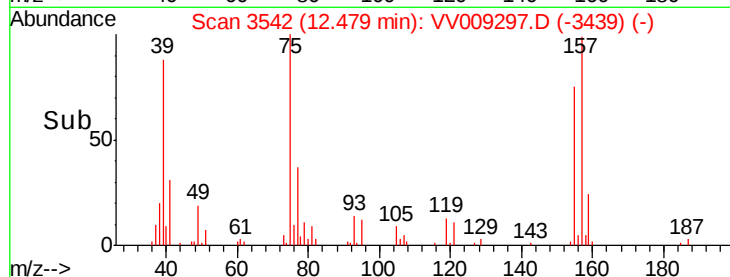
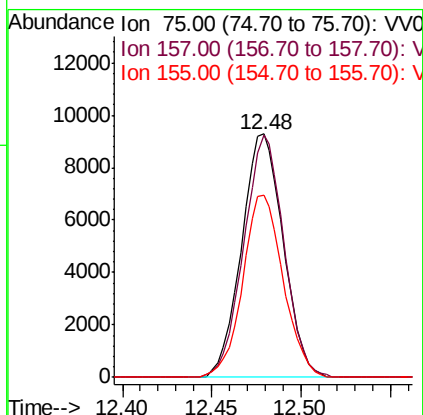
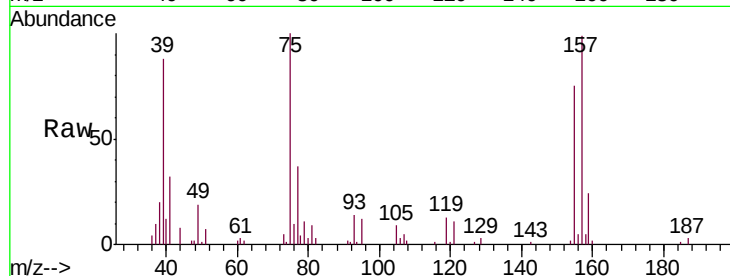




#66
 1,2-Dibromo-3-chloropropane
 Concen: 14.724 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

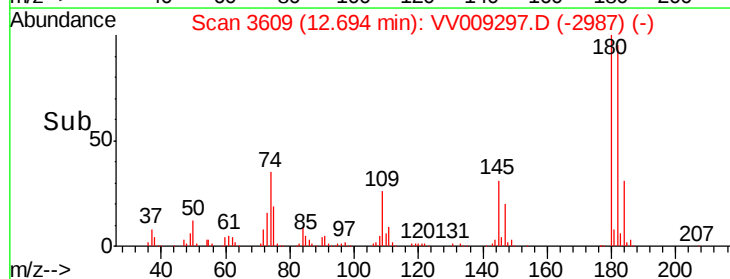
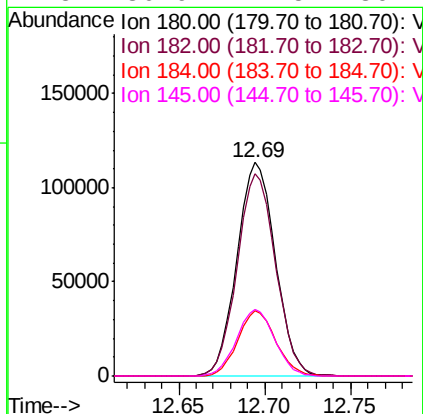
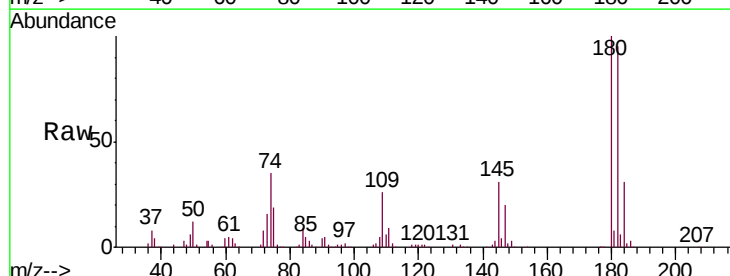
Instrument :
 MSVOA_V
 ClientSampled :
 X2F76

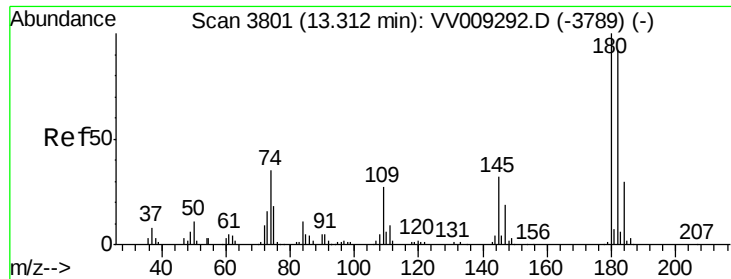
Tgt Ion: 75 Resp: 15130
 Ion Ratio Lower Upper
 75 100
 157 99.3 72.6 109.0
 155 74.8 59.0 88.6



#67
 1,3,5-Trichlorobenzene
 Concen: 25.640 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

Tgt Ion: 180 Resp: 175983
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.5 113.3
 184 30.2 23.8 35.6
 145 30.9 24.5 36.7





#68
 1,2,4-trichlorobenzene
 Concen: 0.236 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009297.D
 Acq: 13 Feb 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :
 X2F76

Tgt Ion:180 Resp: 1289
 Ion Ratio Lower Upper
 180 100
 182 89.0 74.1 111.1
 145 24.7 25.4 38.2#

