

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008269.D
 Acq On : 15 Oct 2018 10:54
 Operator : SY/MD
 Sample : VSTD0.570
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 04:38:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114572	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	100848	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39842	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.52	65	152	0.02	ug/L	0.20
7) Chloroethane-d5	1.59	69	2288	0.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	5872	0.44	ug/L	0.00
20) 2-Butanone-d5	4.11	46	306	0.17	ug/L	0.13
24) Chloroform-d	4.40	84	8148	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	3547	0.49	ug/L	0.00
32) Benzene-d6	5.10	84	15376	0.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	4676	0.54	ug/L	0.00
41) Toluene-d8	7.36	98	12672	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2041	0.67	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	5844	4.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	3507	0.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	4001	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3642	0.466 ug/L	91
3) Chloromethane	1.25	50	4593	0.660 ug/L	99
5) Vinyl chloride	1.32	62	3382	0.452 ug/L	93
6) Bromomethane	1.54	94	2119	0.575 ug/L	97
8) Chloroethane	1.60	64	2191	0.456 ug/L #	74
9) Trichlorofluoromethane	1.77	101	4566	0.378 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2772	0.391 ug/L #	88
12) 1,1-Dichloroethene	2.14	96	2460	0.408 ug/L	97
13) Acetone	2.23	43	2385	2.049 ug/L	59
14) Carbon disulfide	2.32	76	8454	0.517 ug/L #	85
16) Methylene chloride	2.53	84	3891	0.533 ug/L	84
17) Methyl tert-butyl Ether	2.82	73	6391	0.410 ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	3078	0.467 ug/L	91
19) 1,1-Dichloroethane	3.23	63	5672	0.450 ug/L #	83
21) 2-Butanone	4.07	43	8087	4.029 ug/L	83
22) cis-1,2-Dichloroethene	3.97	96	4227	0.532 ug/L #	85
23) Bromochloromethane	4.31	128	1760	0.508 ug/L	91
25) Chloroform	4.43	83	6729	0.476 ug/L	96
27) 1,2-Dichloroethane	5.19	62	4064	0.489 ug/L #	89
29) 1,1,1-Trichloroethane	4.66	97	6587	0.579 ug/L	91
30) Cyclohexane	4.72	56	7298	0.689 ug/L	99
31) Carbon tetrachloride	4.87	117	4785	0.473 ug/L	97
33) Benzene	5.15	78	15374	0.569 ug/L	100
34) Trichloroethene	5.96	95	4936	0.629 ug/L	92
35) Methylcyclohexane	6.17	83	7274	0.636 ug/L	92
37) 1,2-Dichloropropane	6.23	63	4297	0.583 ug/L #	95
38) Bromodichloromethane	6.56	83	4514	0.510 ug/L	92
39) cis-1,3-Dichloropropene	7.08	75	6098	0.633 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	23800	5.566 ug/L	96
42) Toluene	7.43	91	15493	0.546 ug/L	100

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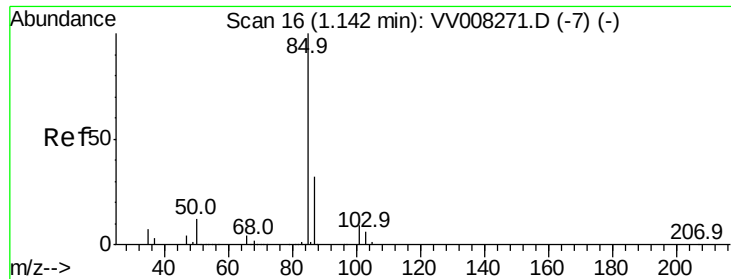
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 04:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	7.70	75	4241	0.545	ug/L	84
45) 1,1,2-Trichloroethane	7.89	97	2780	0.558	ug/L	93
47) Tetrachloroethene	8.03	164	2454	0.379	ug/L	95
48) 2-Hexanone	8.20	43	17915	6.050	ug/L	95
49) Dibromochloromethane	8.29	129	2727	0.445	ug/L	99
50) 1,2-Dibromoethane	8.40	107	2397	0.526	ug/L #	91
51) Chlorobenzene	8.93	112	9677	0.503	ug/L	95
52) Ethylbenzene	9.06	91	17111	0.551	ug/L	97
53) m,p-xylene	9.18	106	6052	0.518	ug/L	94
54) o-xylene	9.59	106	6120	0.545	ug/L	94
55) Styrene	9.61	104	9255	0.493	ug/L	96
56) Isopropylbenzene	9.98	105	15370	0.505	ug/L #	94
58) 1,1,2,2-Tetrachloroethane	10.29	83	2361	0.406	ug/L #	88
59) 1,2,3-Trichloropropane	10.32	75	2087	0.492	ug/L	99
61) Bromoform	9.78	173	1181	0.463	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	5615	0.459	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	5697	0.464	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	5553	0.471	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	371	0.558	ug/L #	65
67) 1,3,5-Trichlorobenzene	12.70	180	3410	0.345	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	1993	0.275	ug/L #	91
69) Naphthalene	13.56	128	3993	0.398	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	1946	0.280	ug/L	92

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



#2

Dichlorodifluoromethane

Concen: 0.466 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

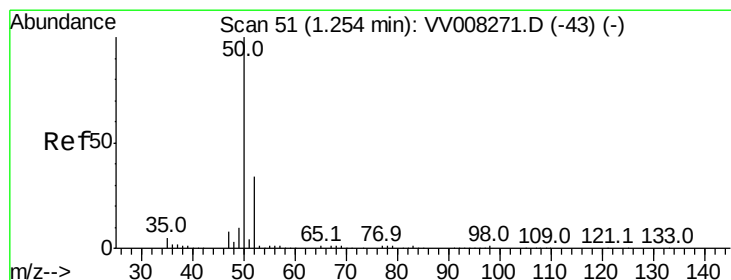
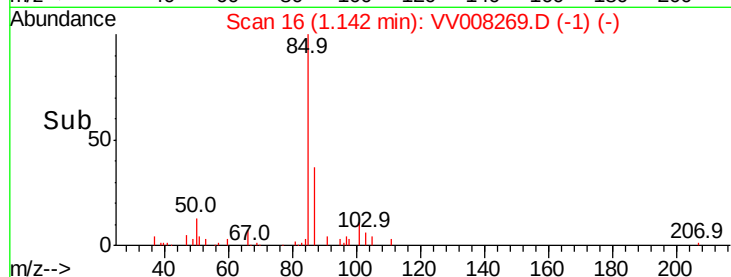
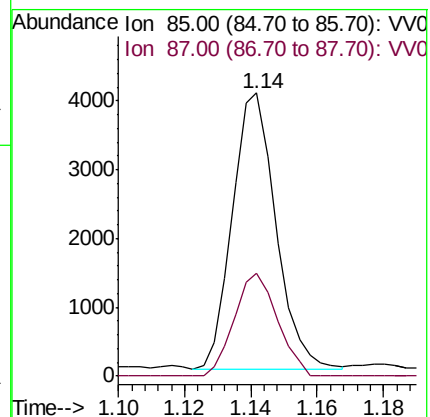
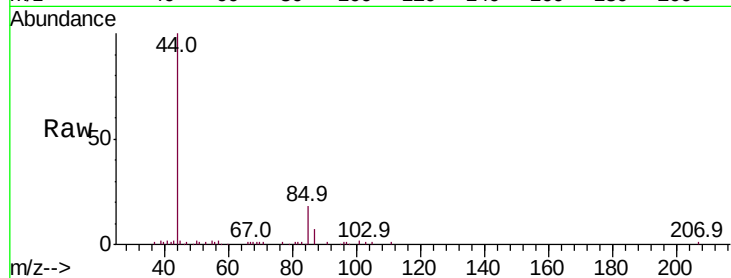
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 3642

Ion Ratio Lower Upper

85 100

87 37.0 25.8 38.6



#3

Chloromethane

Concen: 0.660 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008269.D

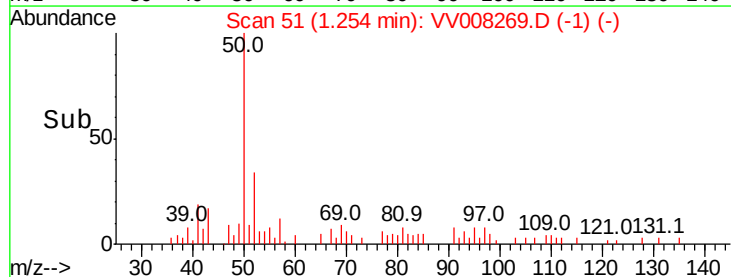
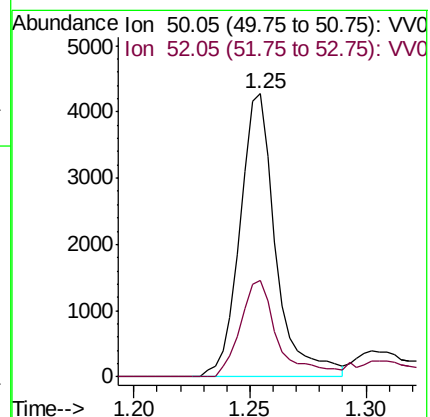
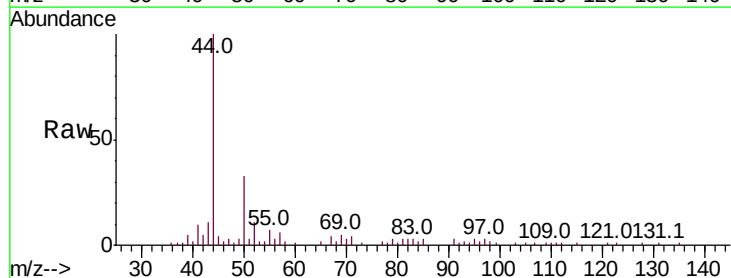
Acq: 15 Oct 2018 10:54

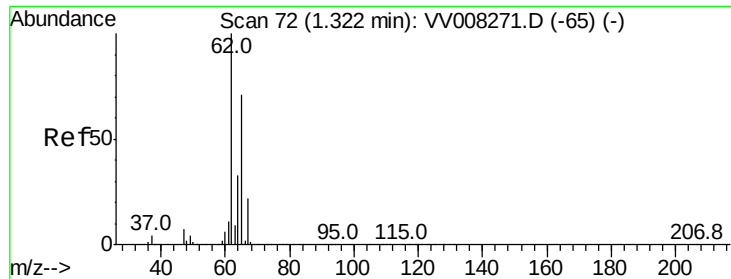
Tgt Ion: 50 Resp: 4593

Ion Ratio Lower Upper

50 100

52 34.2 23.7 43.9





#5

Vinyl chloride

Concen: 0.452 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

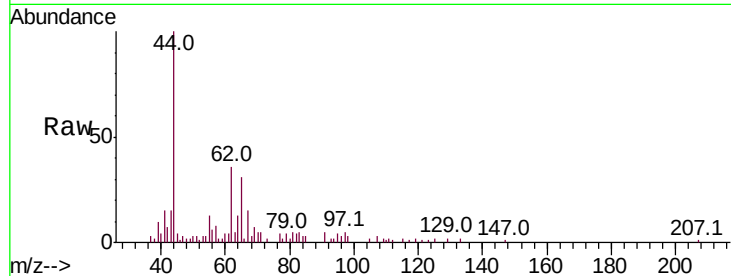
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 3382

Ion Ratio Lower Upper

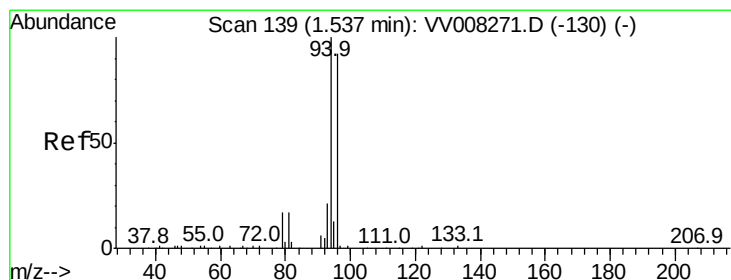
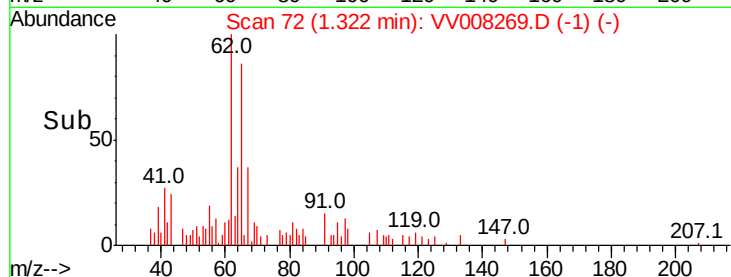
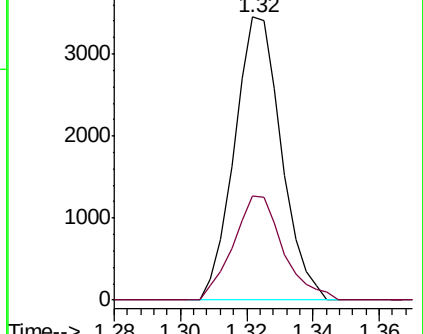
62 100

64 36.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV008271.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008271.D (-65) (-)



#6

Bromomethane

Concen: 0.575 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008269.D

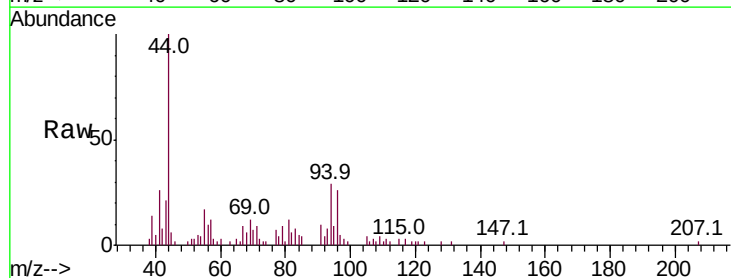
Acq: 15 Oct 2018 10:54

Tgt Ion: 94 Resp: 2119

Ion Ratio Lower Upper

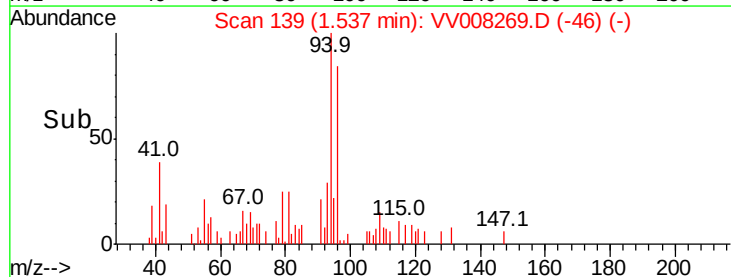
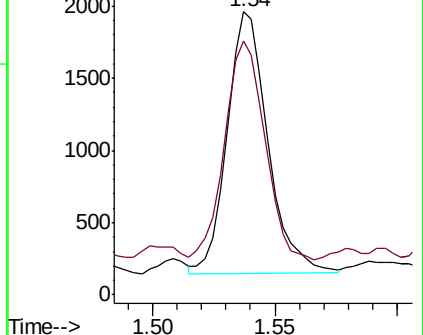
94 100

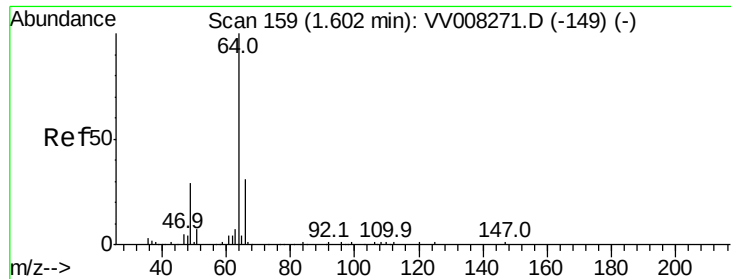
96 89.8 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV008271.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV008271.D (-130) (-)





#8

Chloroethane

Concen: 0.456 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

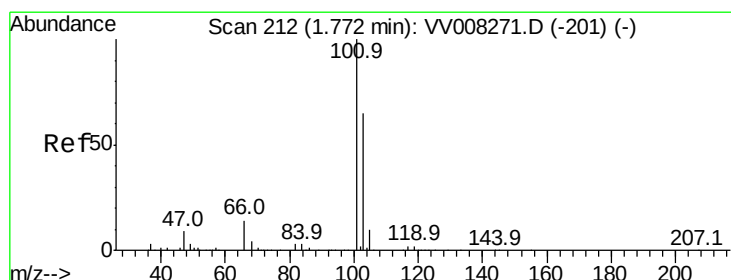
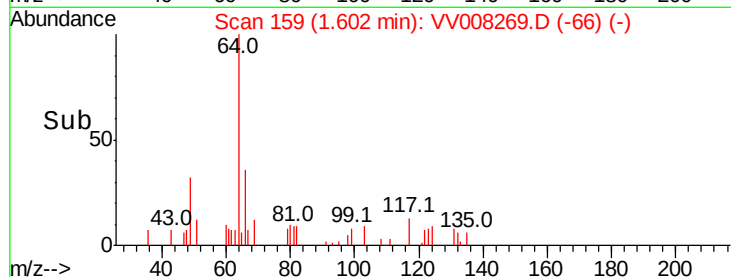
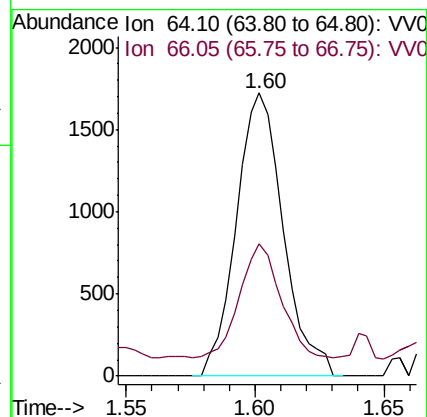
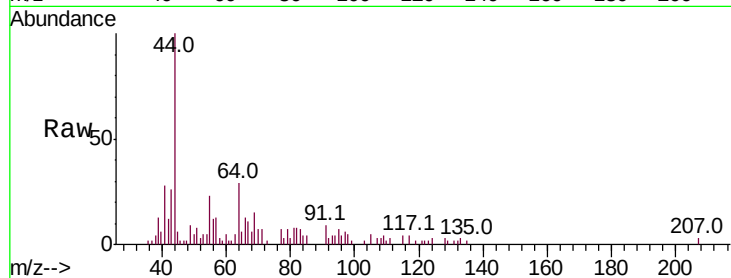
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 2191

Ion Ratio Lower Upper

64 100

66 46.6 22.5 41.9#



#9

Trichlorofluoromethane

Concen: 0.378 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV008269.D

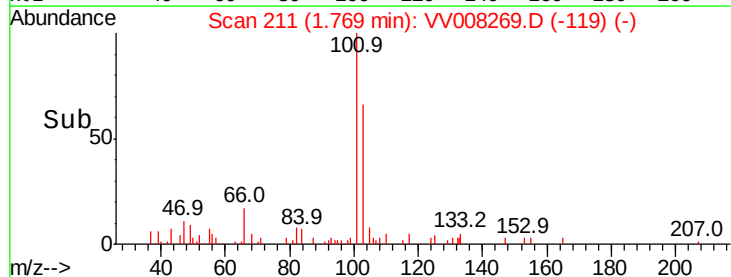
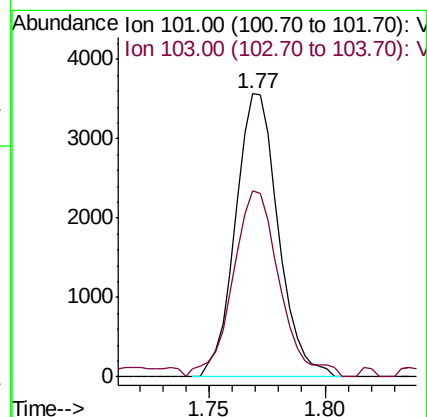
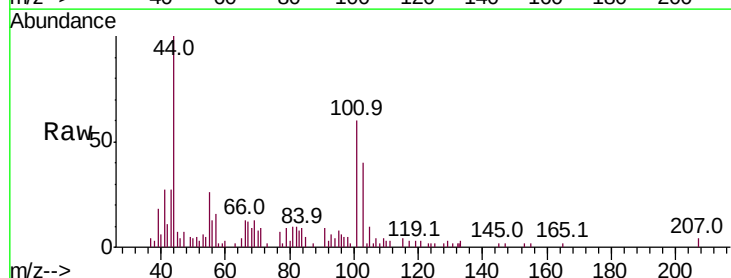
Acq: 15 Oct 2018 10:54

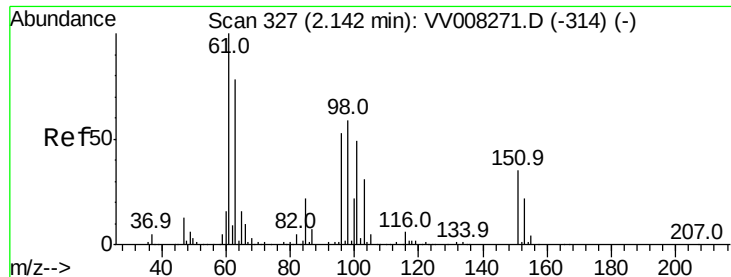
Tgt Ion: 101 Resp: 4566

Ion Ratio Lower Upper

101 100

103 71.4 51.8 77.6





#10

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

Concen: 0.391 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :

MSVOA_V

ClientSampleId :

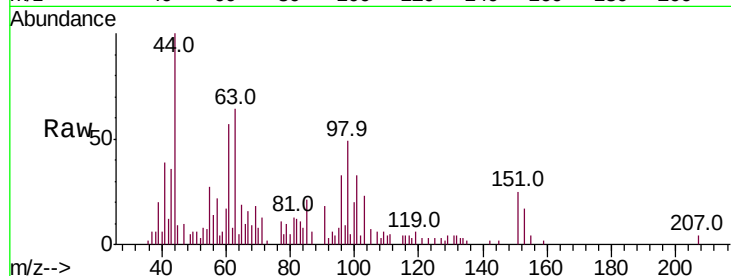
Tot Ion:101 Resp: 2772

Ion Ratio Lower Upper

101 100

85 61.1 37.4 56.2#

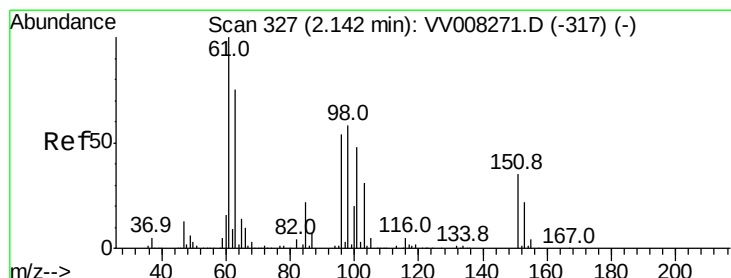
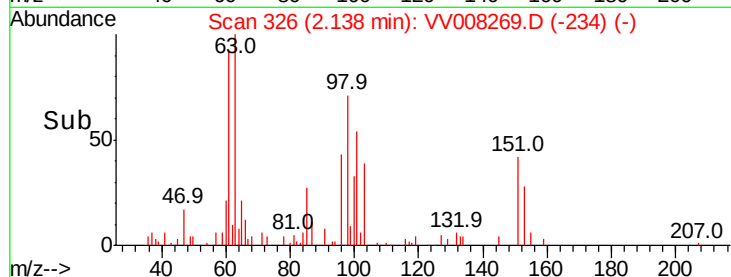
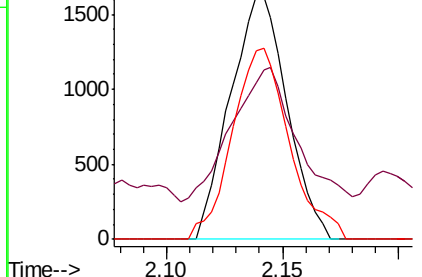
151 78.5 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): VV008271.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008271.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008271.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 0.408 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

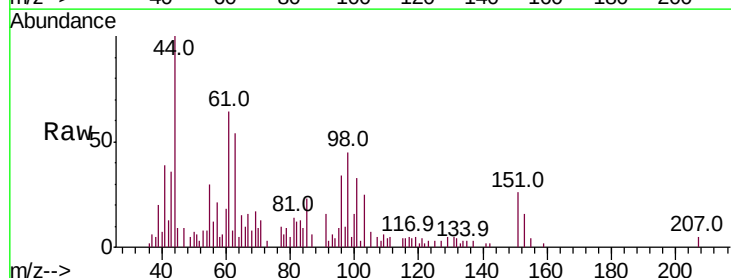
Tgt Ion: 96 Resp: 2460

Ion Ratio Lower Upper

96 100

61 186.0 129.9 241.3

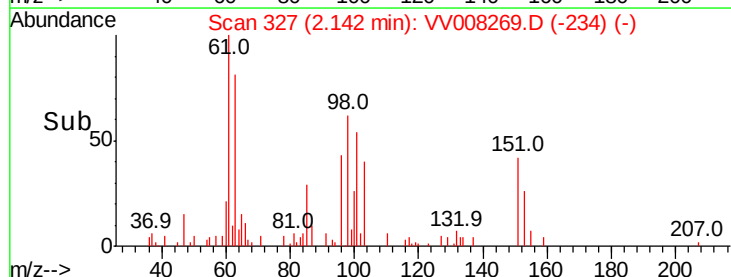
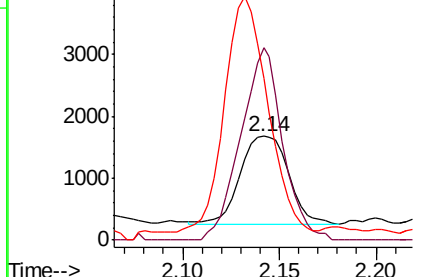
63 155.8 103.0 191.4

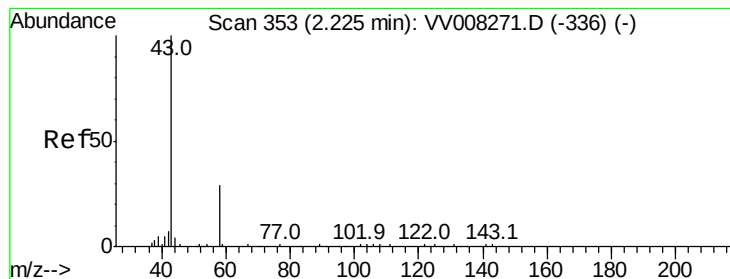


Abundance Ion 96.00 (95.70 to 96.70): VV008271.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008271.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008271.D (-317) (-)





#13

Acetone

Concen: 2.049 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

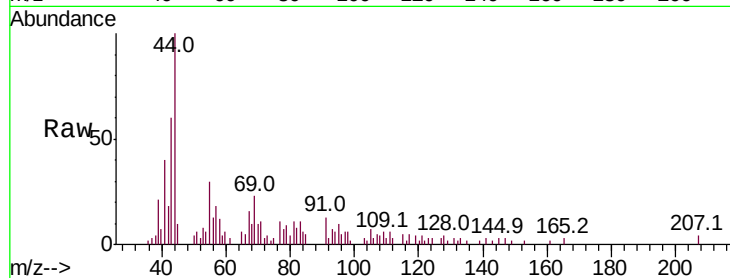
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2385

Ion Ratio Lower Upper

43 100

58 8.3 0.0 62.0

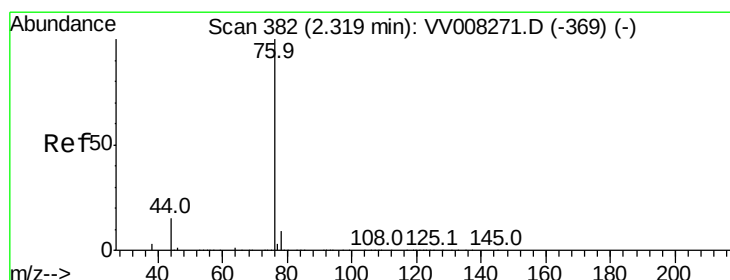
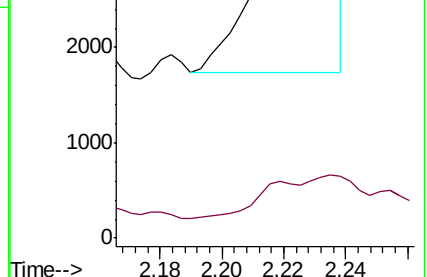
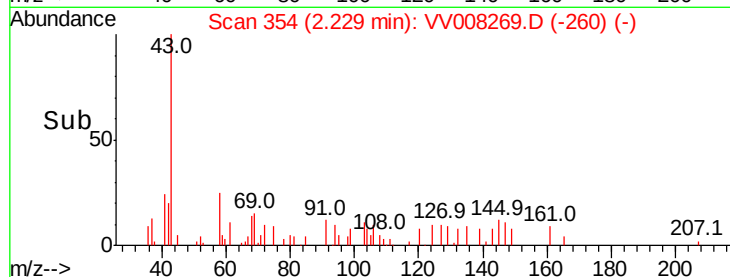


Abundance Ion 43.05 (42.75 to 43.75): VV008271.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008271.D (-336) (-)

2.23

Time-->



#14

Carbon disulfide

Concen: 0.517 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008269.D

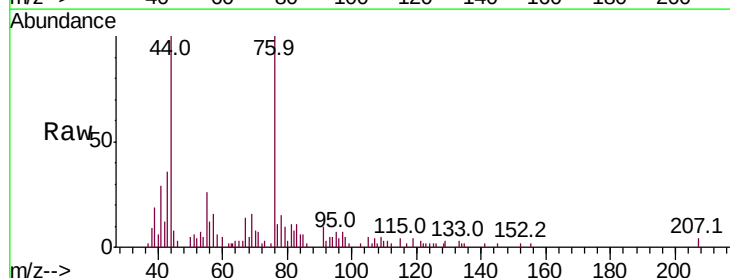
Acq: 15 Oct 2018 10:54

Tgt Ion: 76 Resp: 8454

Ion Ratio Lower Upper

76 100

78 14.7 7.4 11.2#

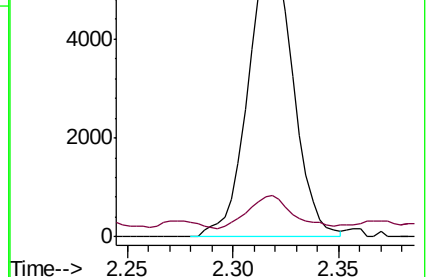
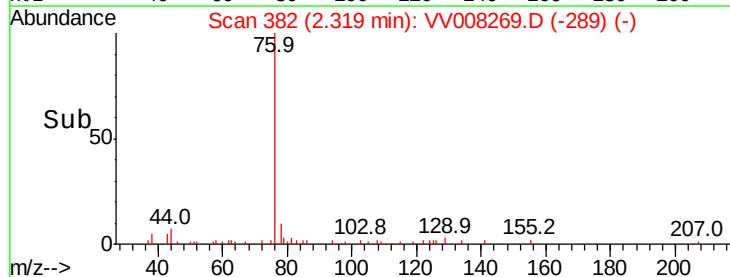


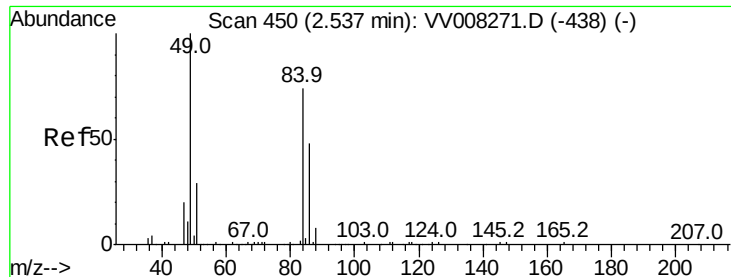
Abundance Ion 76.05 (75.75 to 76.75): VV008271.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008271.D (-369) (-)

2.32

Time-->

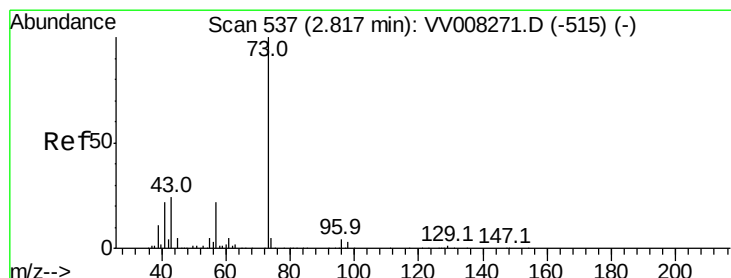
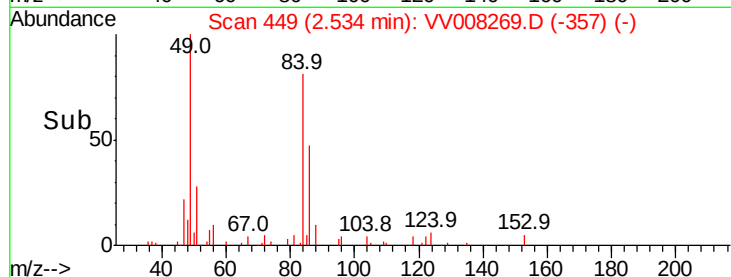
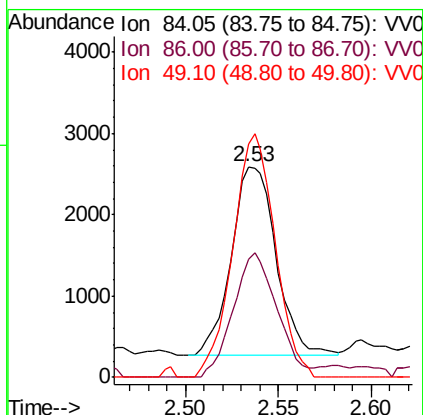
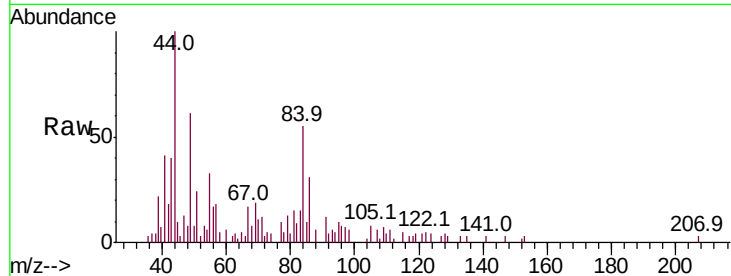




#16
Methylene chloride
Concen: 0.533 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

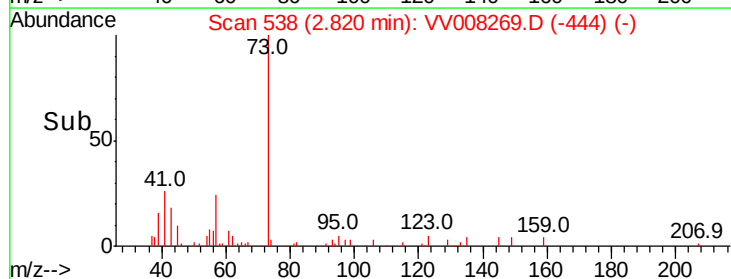
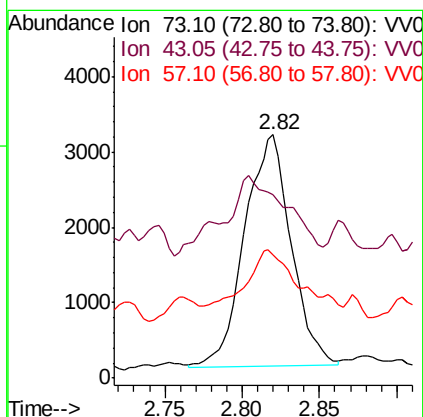
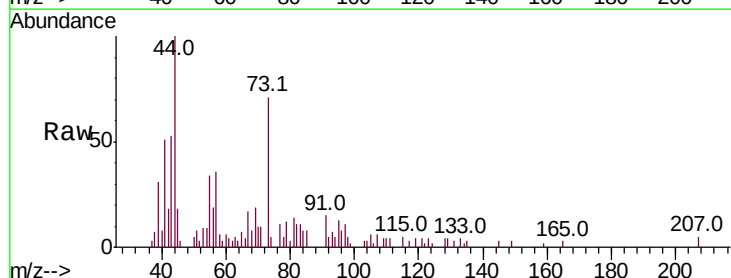
Instrument :
MSVOA_V
ClientSampleId :

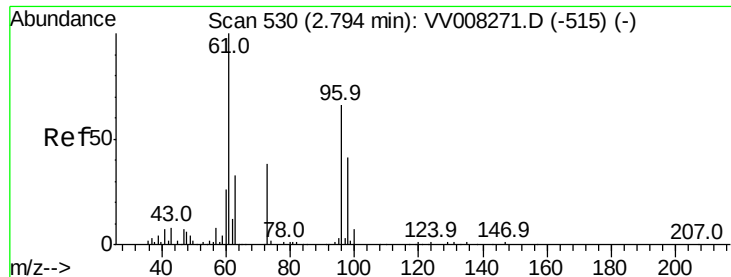
Tot Ion: 84 Resp: 3891
Ion Ratio Lower Upper
84 100
86 56.2 45.0 83.6
49 111.1 92.9 172.5



#17
Methyl tert-butyl Ether
Concen: 0.410 ug/L
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

Tgt Ion: 73 Resp: 6391
Ion Ratio Lower Upper
73 100
43 32.1 19.0 28.6#
57 27.4 18.2 27.2#





#18

trans-1,2-Dichloroethene

Concen: 0.467 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampleId :

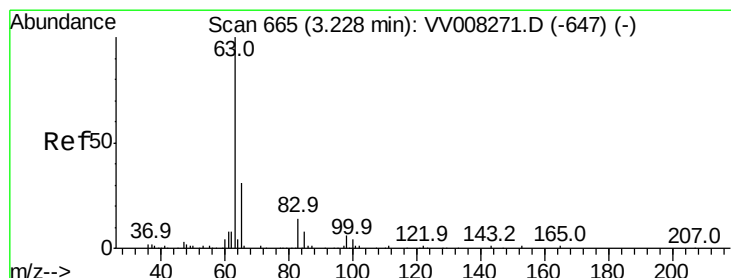
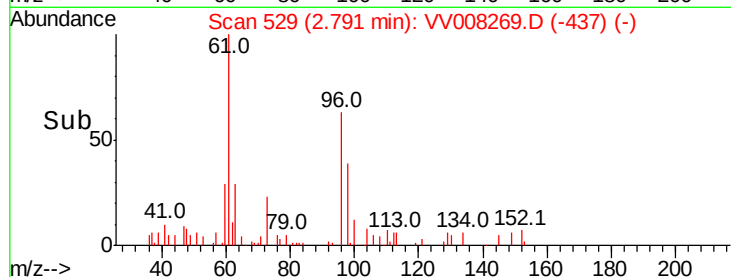
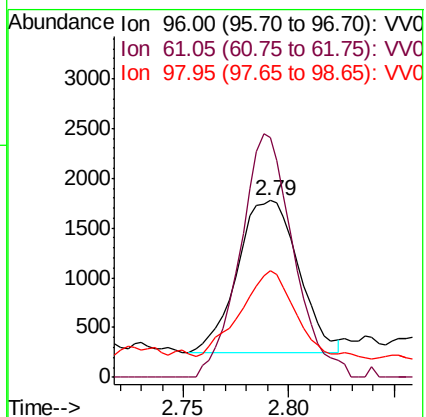
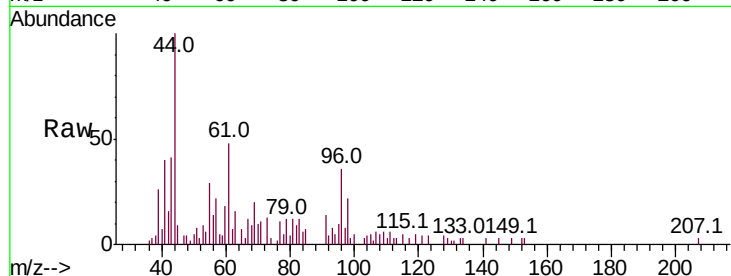
Tot Ion: 96 Resp: 3078

Ion Ratio Lower Upper

96 100

61 135.6 104.6 194.2

98 60.6 44.1 81.9



#19

1,1-Dichloroethane

Concen: 0.450 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

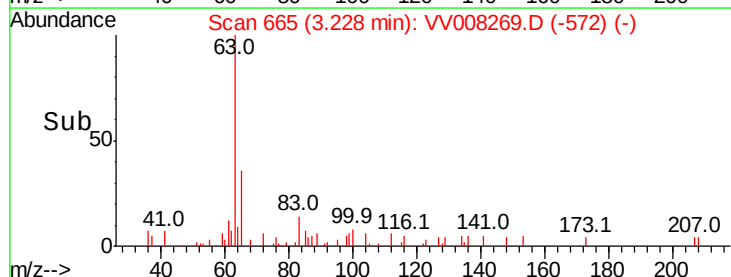
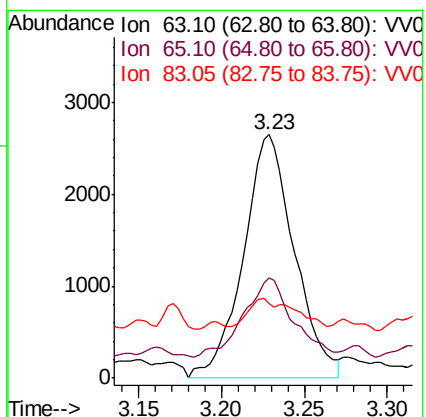
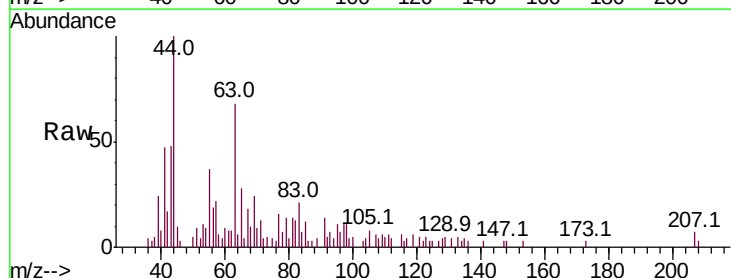
Tgt Ion: 63 Resp: 5672

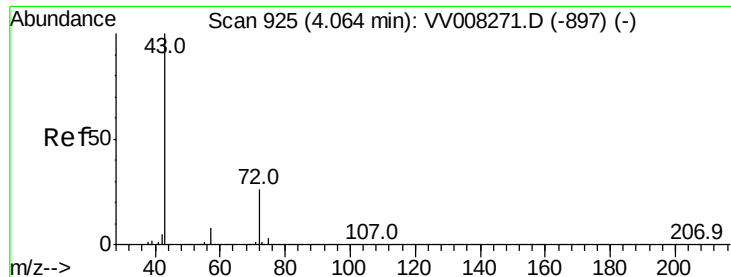
Ion Ratio Lower Upper

63 100

65 38.2 22.6 42.0

83 28.3 11.0 20.4#





#21

2-Butanone

Concen: 4.029 ug/L

RT: 4.07 min Scan# 928

Delta R.T. 0.01 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

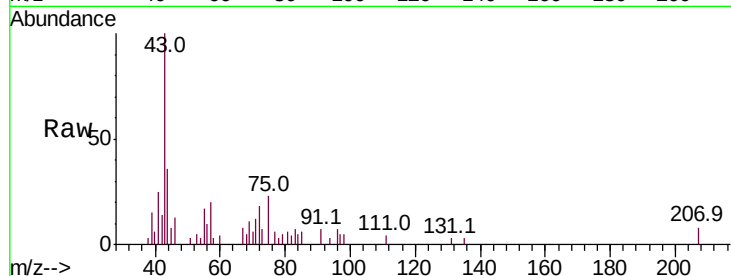
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8087

Ion Ratio Lower Upper

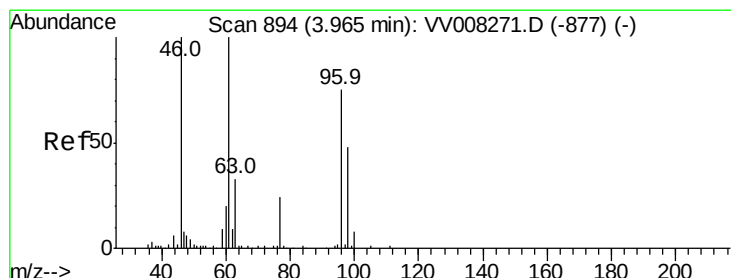
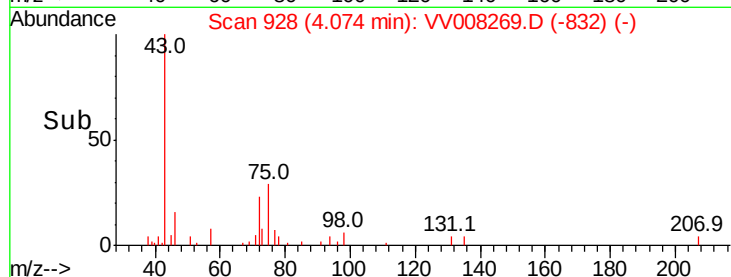
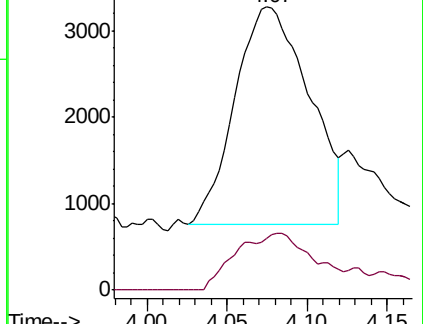
43 100

72 17.1 12.9 38.7



Abundance Ion 43.05 (42.75 to 43.75): VV008271.D (-897) (-)

Ion 72.10 (71.80 to 72.80): VV008271.D (-897) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.532 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

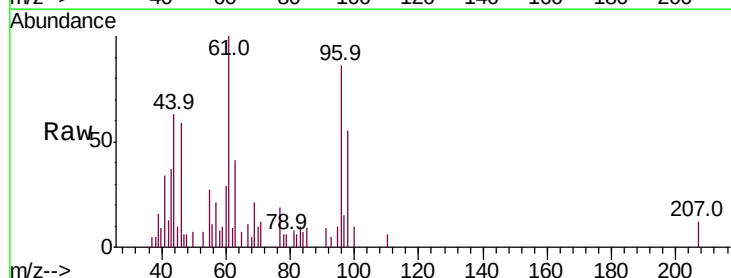
Tgt Ion: 96 Resp: 4227

Ion Ratio Lower Upper

96 100

61 115.6 93.7 174.1

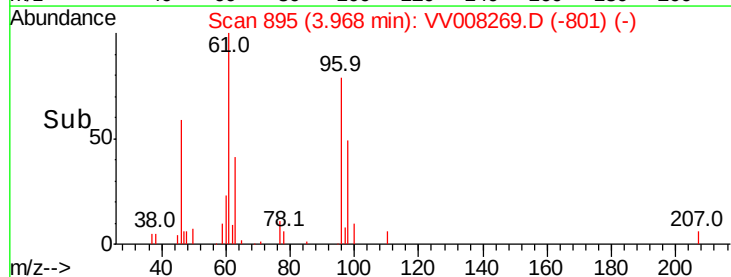
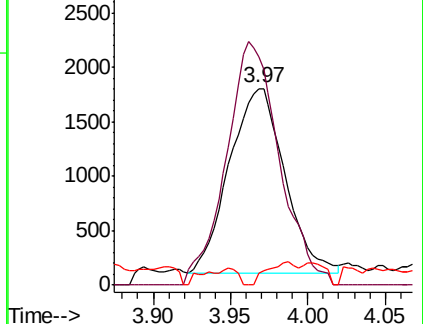
68 5.8 0.6 1.2#

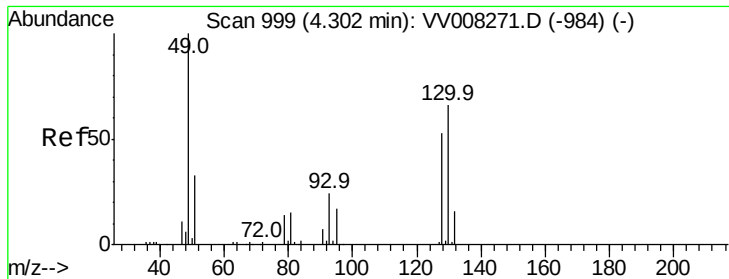


Abundance Ion 96.00 (95.70 to 96.70): VV008271.D (-877) (-)

Ion 61.05 (60.75 to 61.75): VV008271.D (-877) (-)

Ion 68.15 (67.85 to 68.85): VV008271.D (-877) (-)

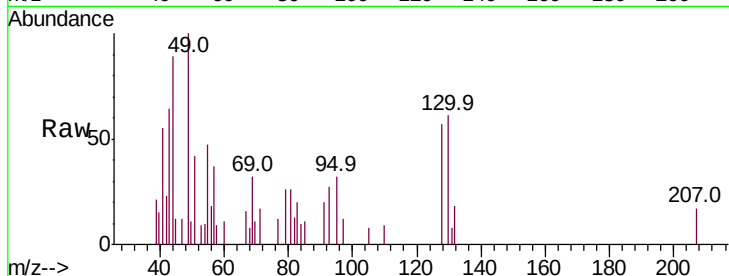




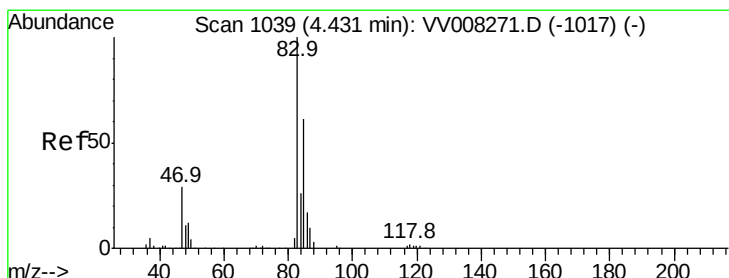
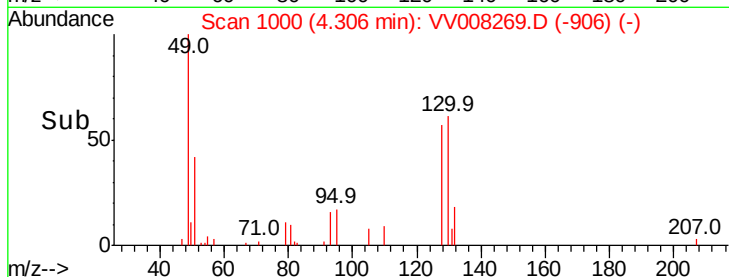
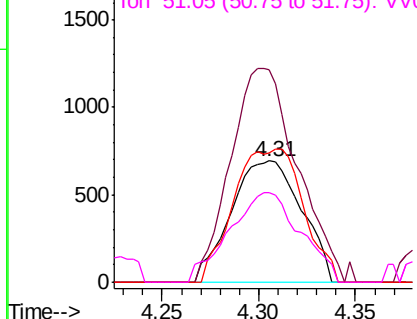
#23
Bromochloromethane
Concen: 0.508 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 1760
Ion Ratio Lower Upper
128 100
49 193.7 131.3 243.9
130 106.8 86.0 159.8
51 73.8 50.9 76.3

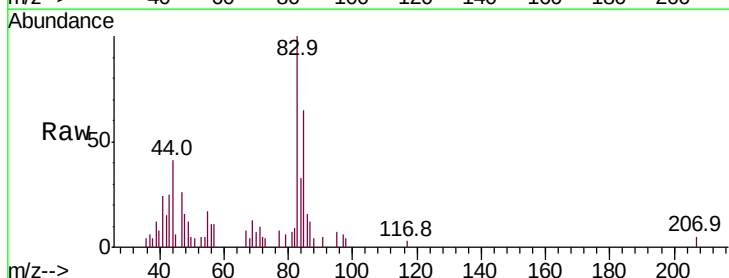


Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

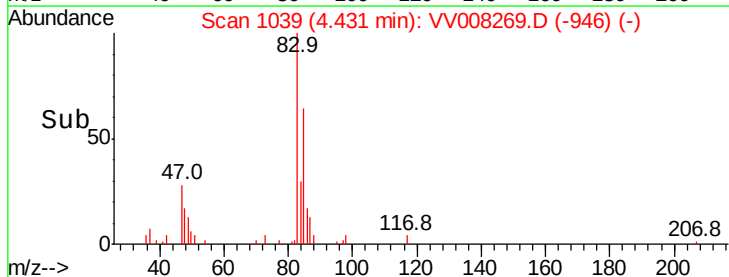
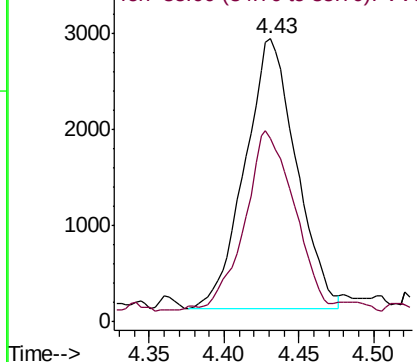


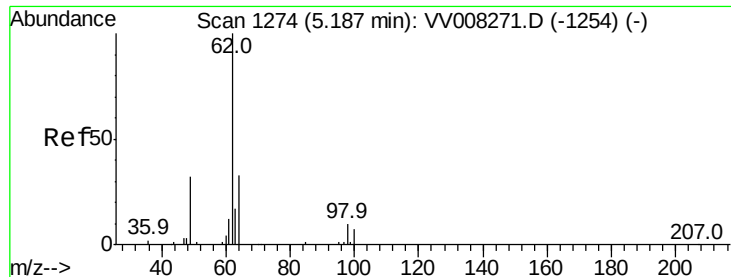
#25
Chloroform
Concen: 0.476 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

Tgt Ion: 83 Resp: 6729
Ion Ratio Lower Upper
83 100
85 64.7 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.489 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. 0.00 min

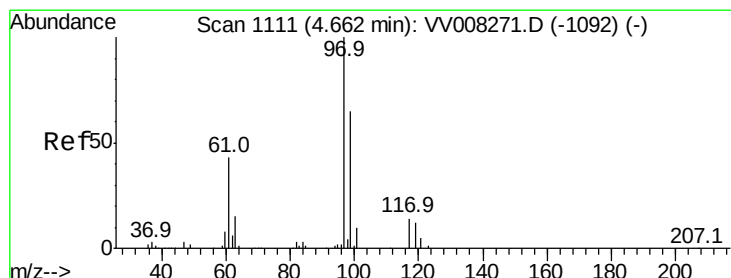
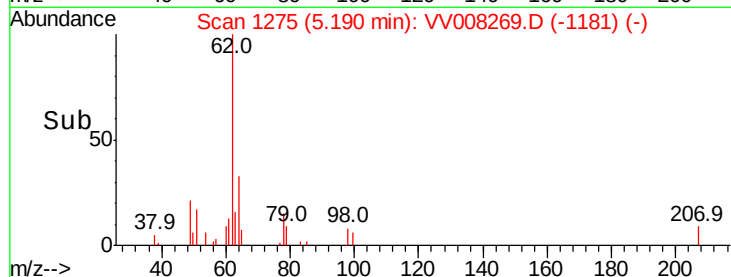
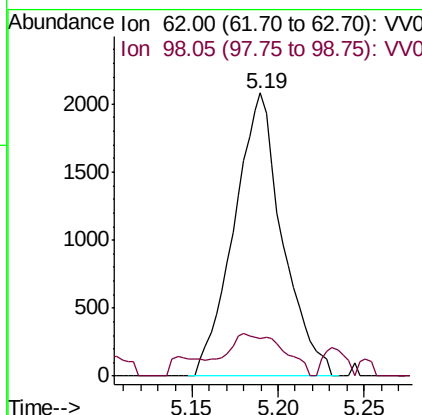
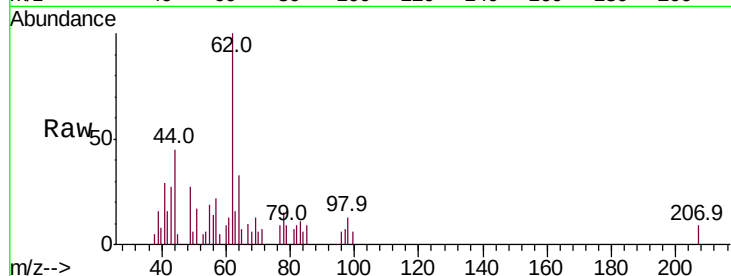
Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 4064

Ion	Ratio	Lower	Upper
62	100		
98	13.4	7.6	11.4#



#29

1,1,1-Trichloroethane

Concen: 0.579 ug/L

RT: 4.66 min Scan# 1110

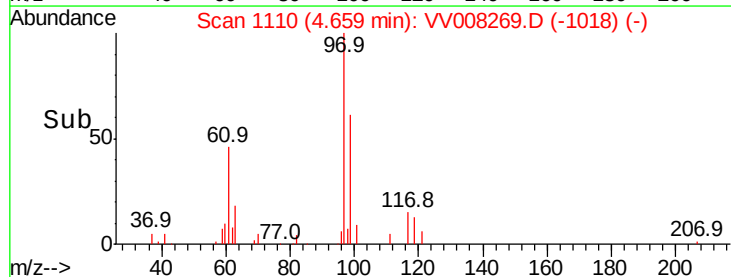
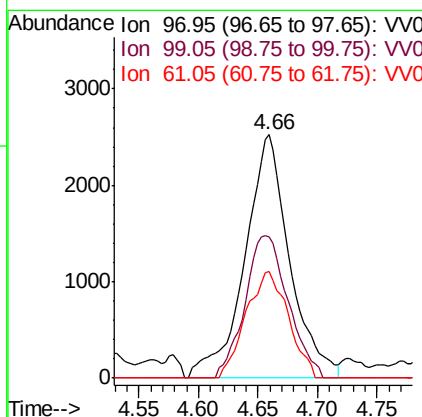
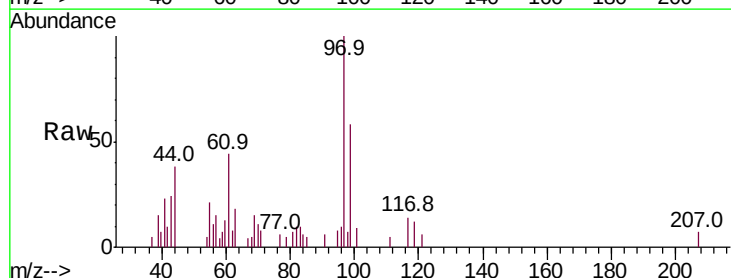
Delta R.T. -0.00 min

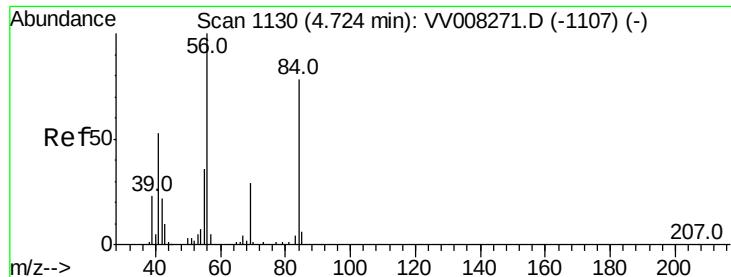
Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Tgt Ion: 97 Resp: 6587

Ion	Ratio	Lower	Upper
97	100		
99	56.4	51.6	77.4
61	41.2	37.0	55.6

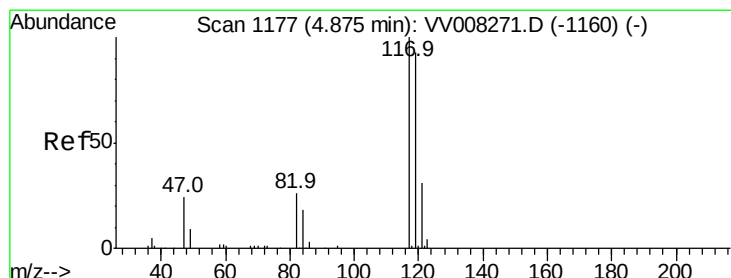
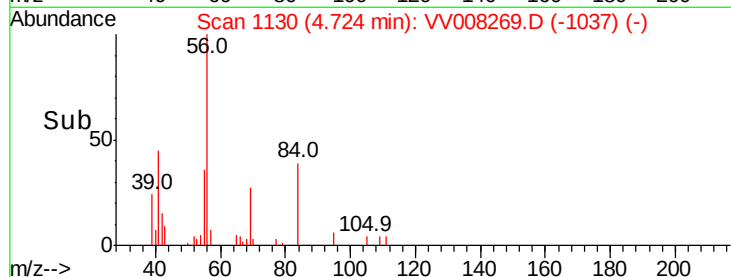
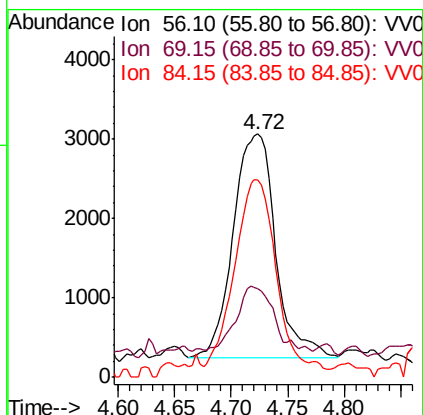
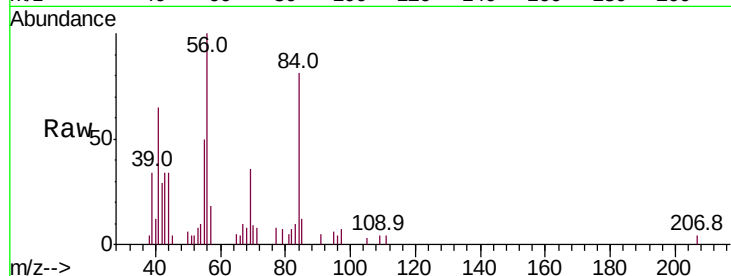




#30
Cyclohexane
Concen: 0.689 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

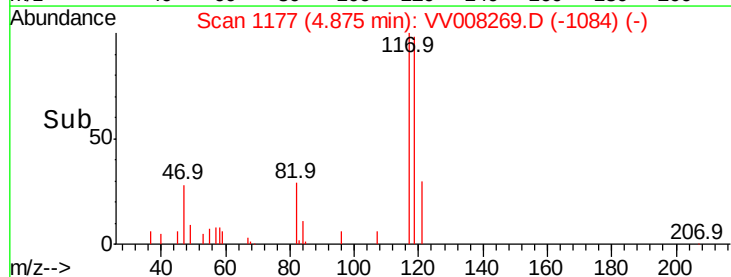
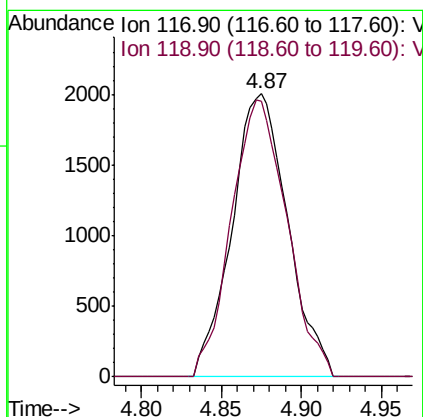
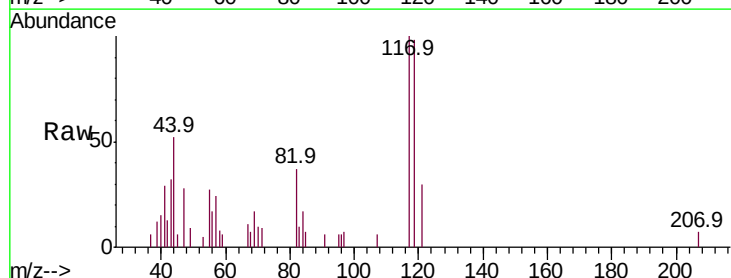
Instrument :
MSVOA_V
ClientSampleId :

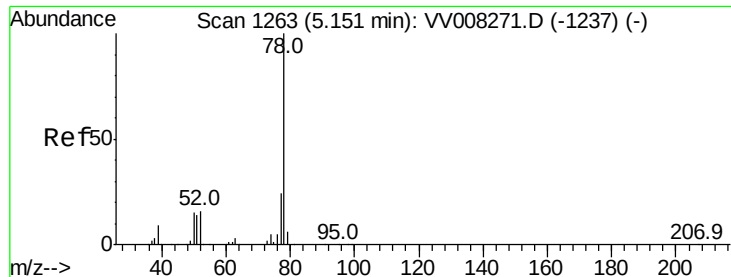
Tot Ion: 56 Resp: 7298
Ion Ratio Lower Upper
56 100
69 30.2 24.3 36.5
84 81.5 64.1 96.1



#31
Carbon tetrachloride
Concen: 0.473 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

Tgt Ion: 117 Resp: 4785
Ion Ratio Lower Upper
117 100
119 97.4 75.5 113.3





#33

Benzene

Concen: 0.569 ug/L

RT: 5.15 min Scan# 1262

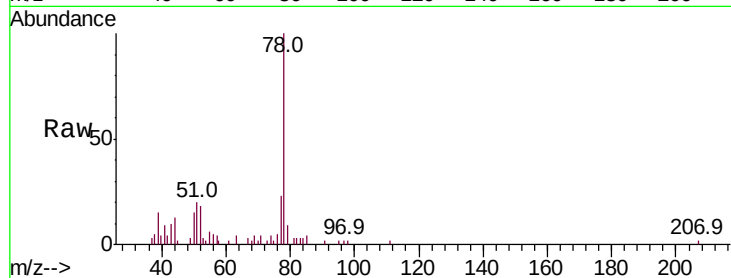
Delta R.T. -0.00 min

Lab File: VV008269.D

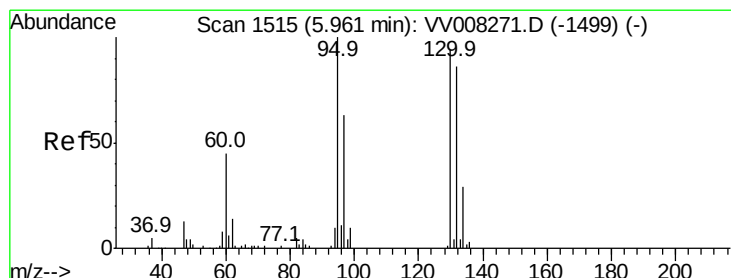
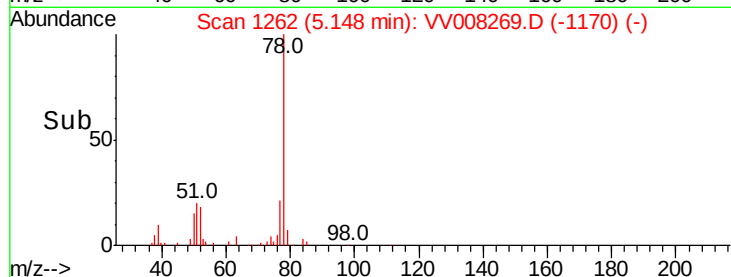
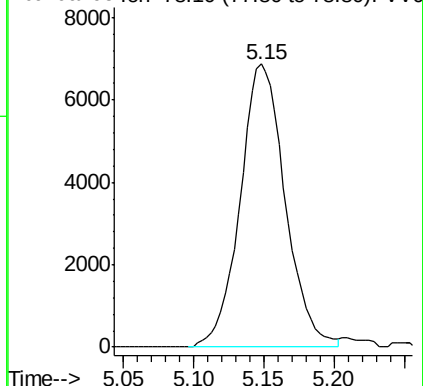
Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 15374



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.629 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Tgt Ion: 95 Resp: 4936

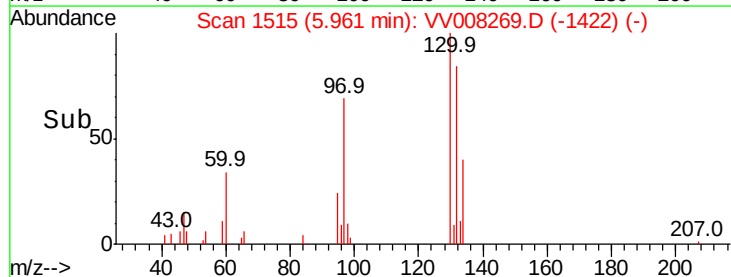
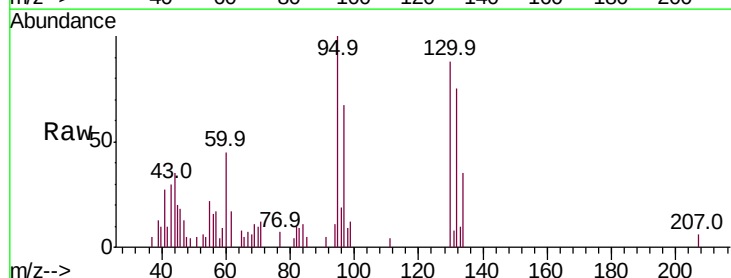
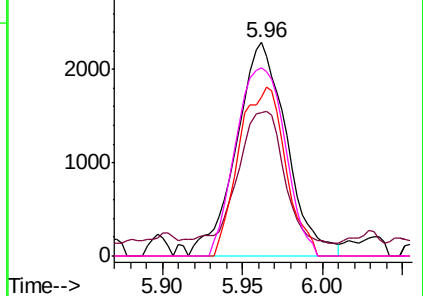
Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.4	82.4
132	74.5	60.4	112.2
130	88.3	65.5	121.7

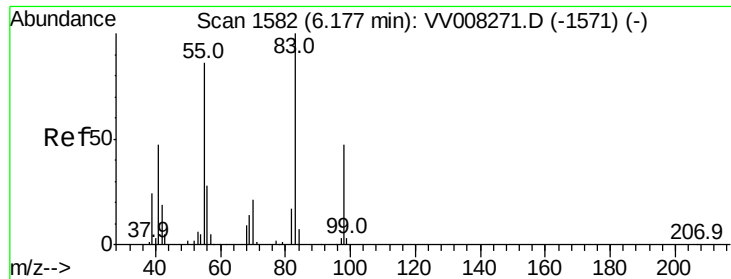
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

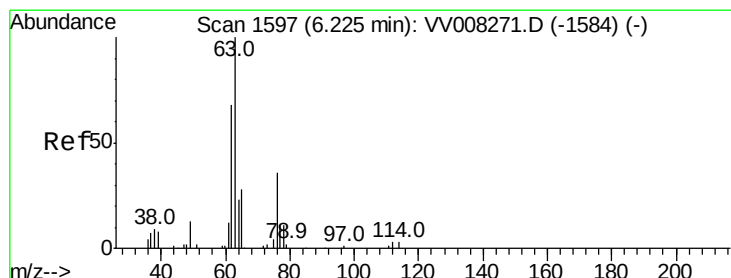
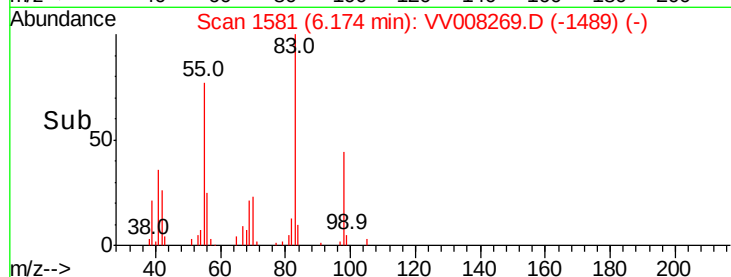
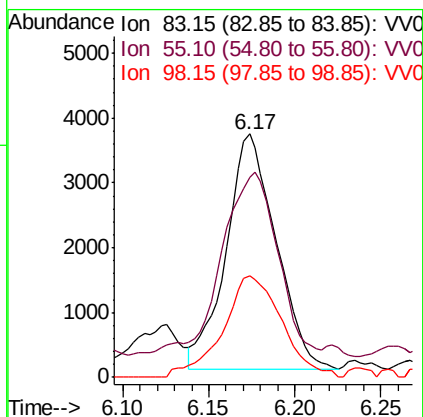
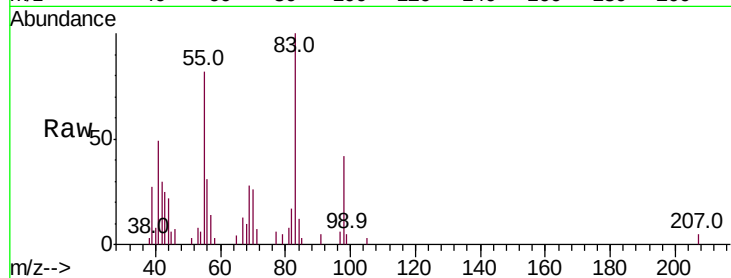




#35
Methylcyclohexane
Concen: 0.636 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

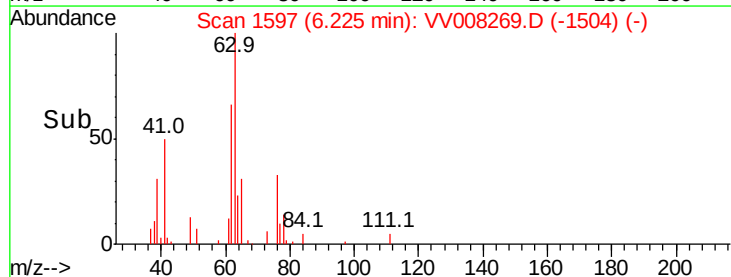
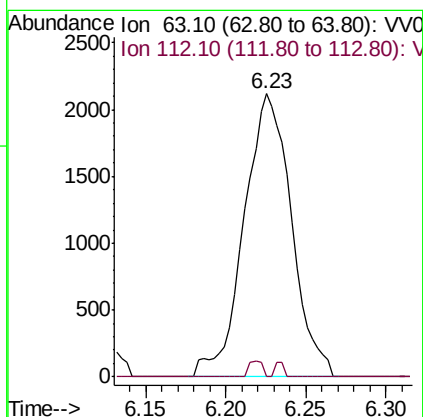
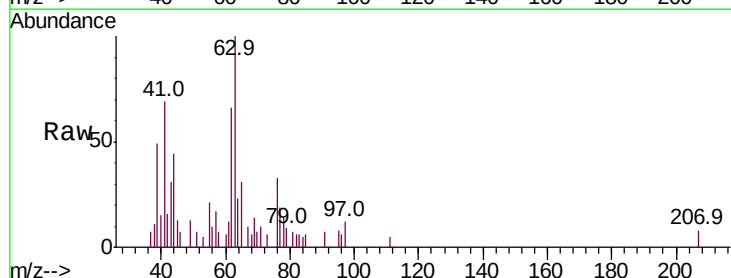
Instrument :
MSVOA_V
ClientSampleId :

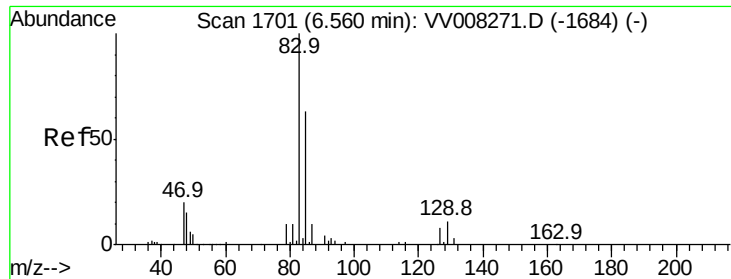
Tot Ion: 83 Resp: 7274
Ion Ratio Lower Upper
83 100
55 87.4 64.0 96.0
98 51.0 37.0 55.4



#37
1,2-Dichloropropane
Concen: 0.583 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

Tgt Ion: 63 Resp: 4297
Ion Ratio Lower Upper
63 100
112 1.5 2.6 3.8#





#38

Bromodichloromethane

Concen: 0.510 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :

MSVOA_V

ClientSampleId :

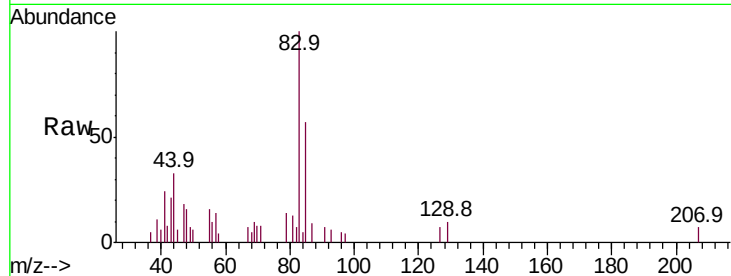
Tot Ion: 83 Resp: 4514

Ion Ratio Lower Upper

83 100

85 56.9 44.3 82.3

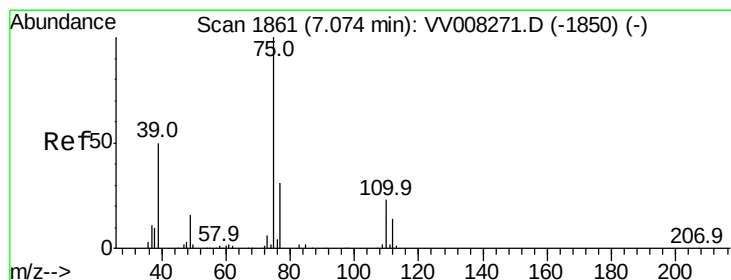
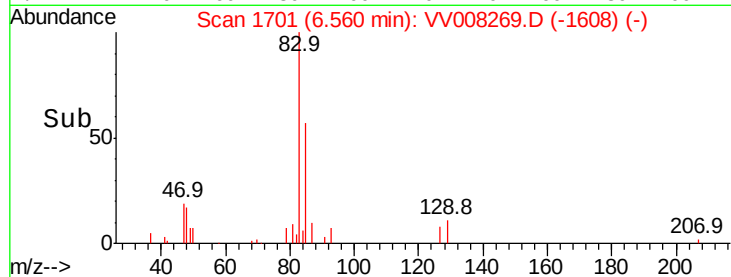
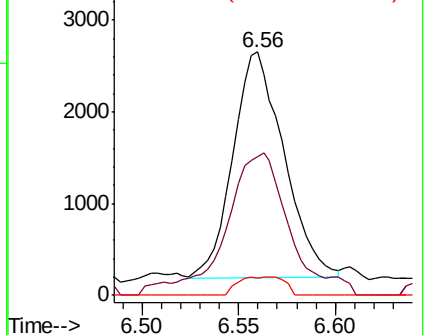
127 7.2 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV008269.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV008269.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV008269.D (-1684) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.633 ug/L

RT: 7.08 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VV008269.D

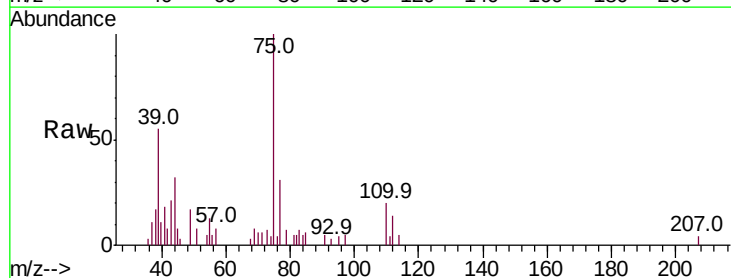
Acq: 15 Oct 2018 10:54

Tgt Ion: 75 Resp: 6098

Ion Ratio Lower Upper

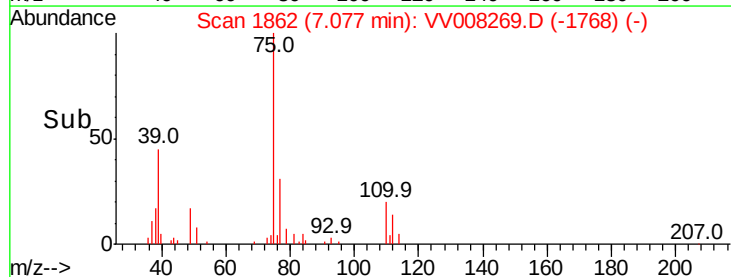
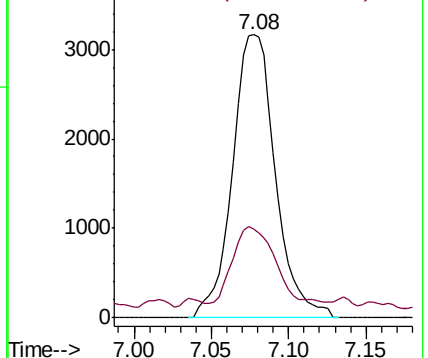
75 100

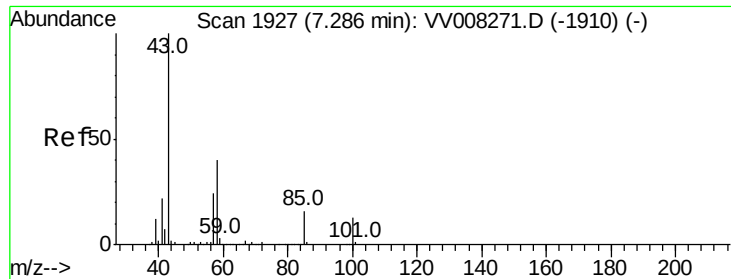
77 31.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV008269.D (-1768) (-)

Ion 77.05 (76.75 to 77.75): VV008269.D (-1768) (-)

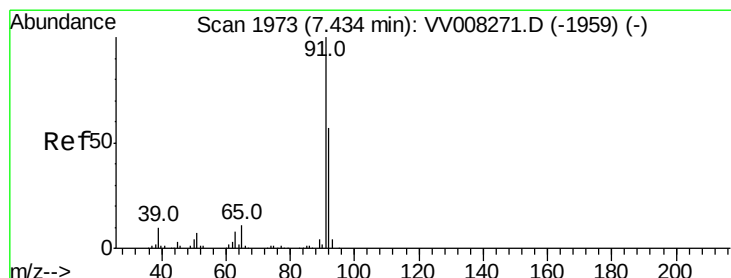
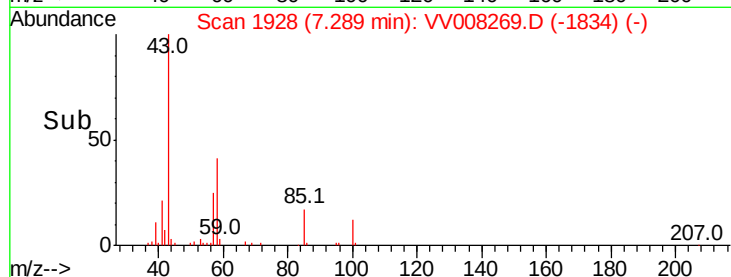
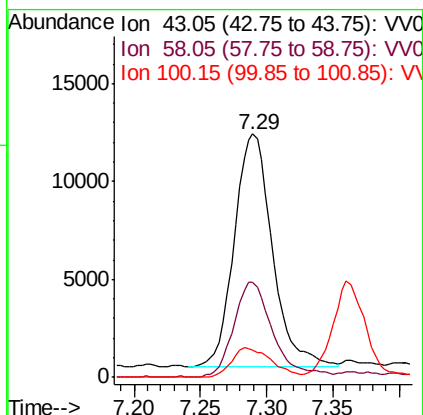
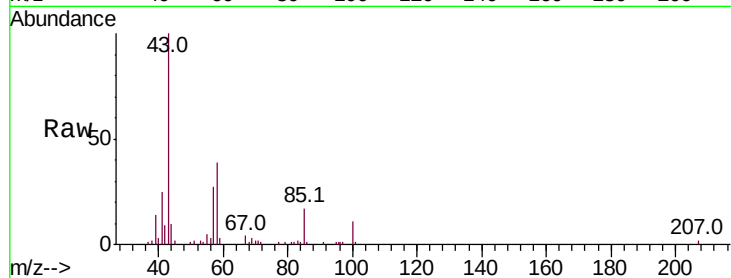




#40
 4-Methyl-2-pentanone
 Concen: 5.566 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV008269.D
 Acq: 15 Oct 2018 10:54

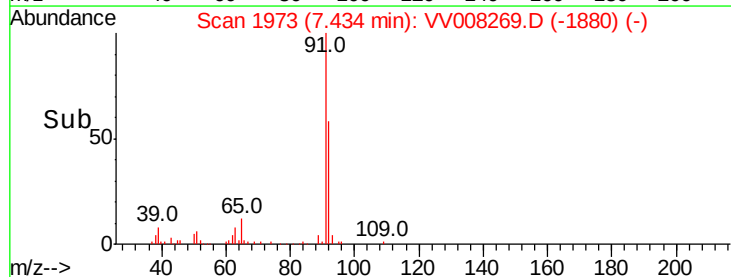
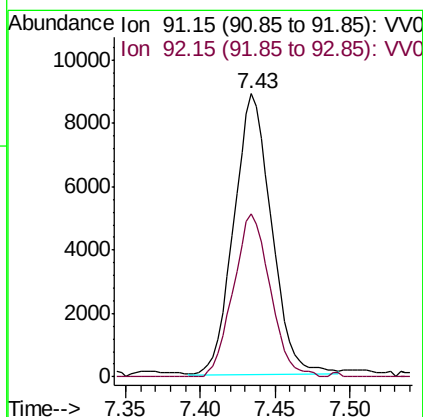
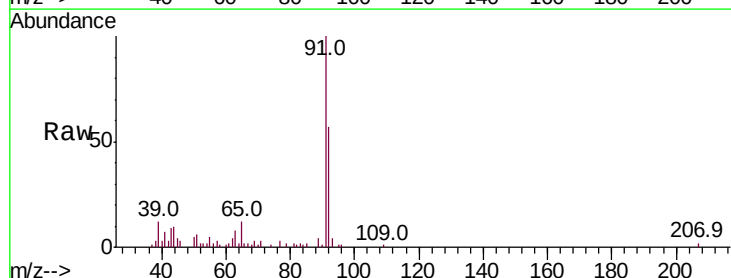
Instrument :
 MSVOA_V
 ClientSampleId :

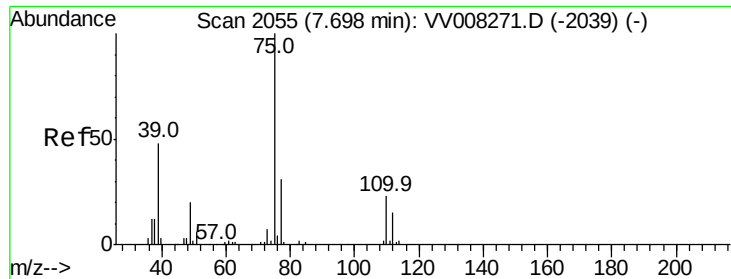
Tot Ion: 43 Resp: 23800
 Ion Ratio Lower Upper
 43 100
 58 42.0 31.3 46.9
 100 13.3 10.5 15.7



#42
 Toluene
 Concen: 0.546 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV008269.D
 Acq: 15 Oct 2018 10:54

Tgt Ion: 91 Resp: 15493
 Ion Ratio Lower Upper
 91 100
 92 57.5 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 0.545 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

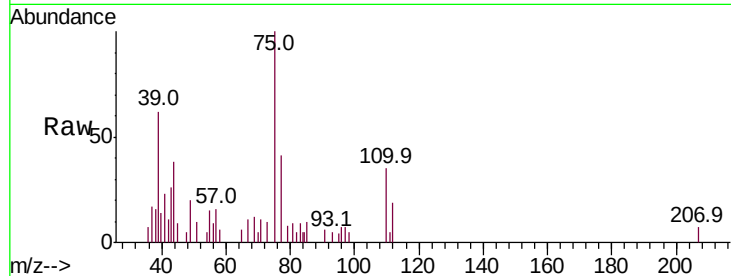
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 4241

Ion Ratio Lower Upper

75 100

77 40.7 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV008271.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV008271.D (-2039) (-)

7.70

2500

2000

1500

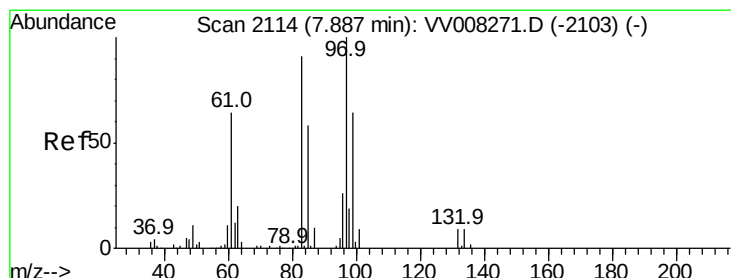
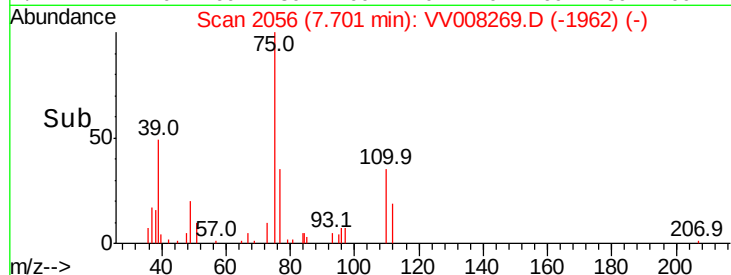
1000

500

0

7.65 7.70 7.75

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.558 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Tgt Ion: 97 Resp: 2780

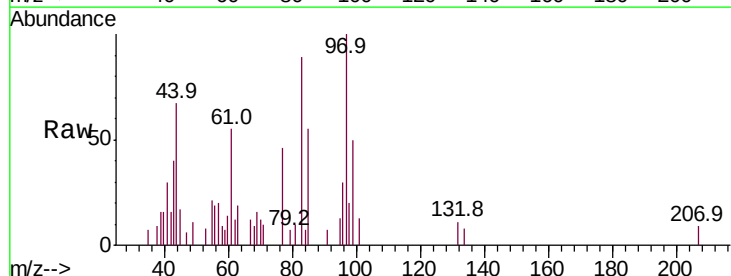
Ion Ratio Lower Upper

97 100

99 49.7 44.1 81.9

83 89.3 63.7 118.3

85 54.9 40.7 75.7



Abundance Ion 96.95 (96.65 to 97.65): VV008271.D (-2103) (-)

Ion 99.05 (98.75 to 99.75): VV008271.D (-2103) (-)

Ion 82.95 (82.65 to 83.65): VV008271.D (-2103) (-)

Ion 85.00 (84.70 to 85.70): VV008271.D (-2103) (-)

2500

2000

1500

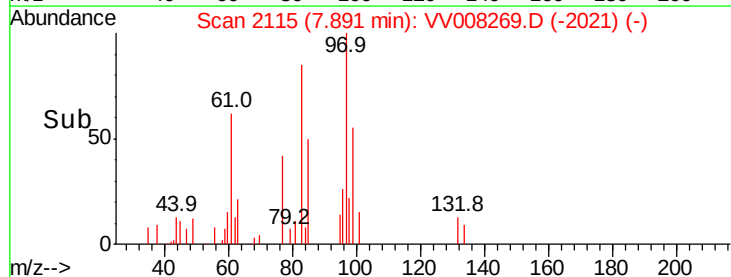
1000

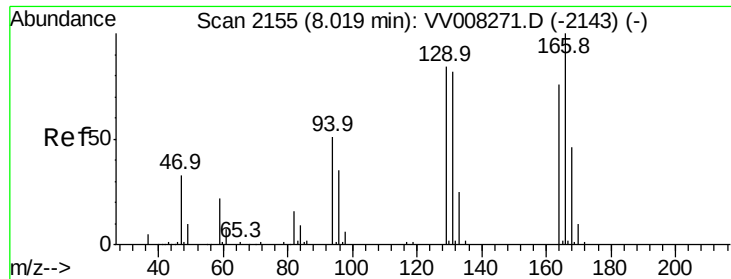
500

0

7.85 7.89 7.95

Time-->





#47

Tetrachloroethene

Concen: 0.379 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 2454

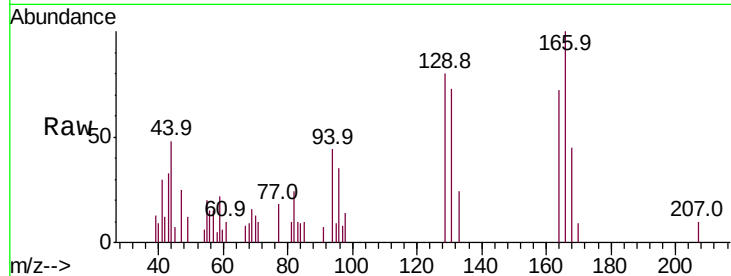
Ion Ratio Lower Upper

164 100

129 111.5 76.5 142.1

131 102.3 74.7 138.7

166 139.8 91.6 170.0

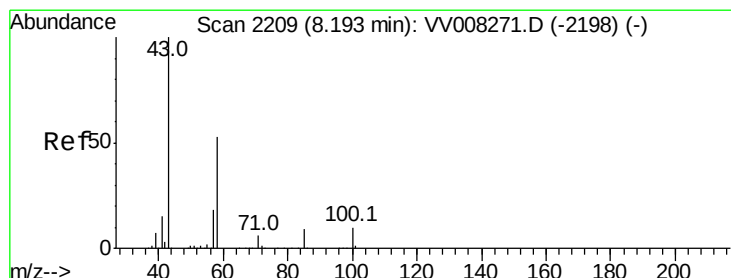
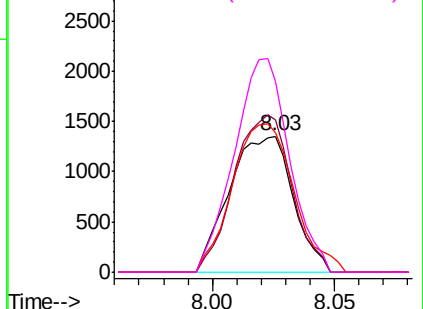
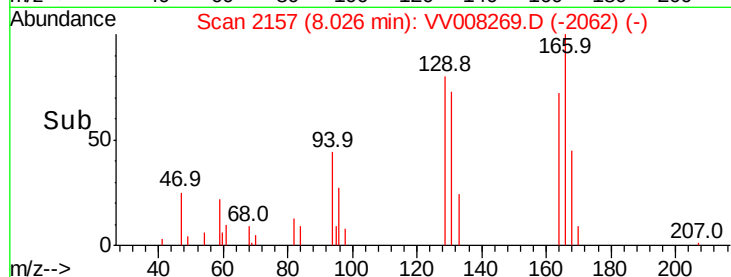


Abundance Ion 163.90 (163.60 to 164.60): V

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: 6.050 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Tgt Ion: 43 Resp: 17915

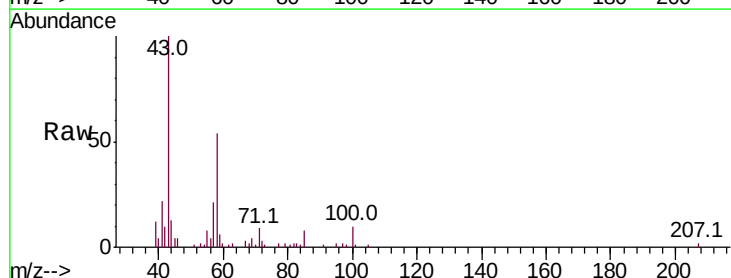
Ion Ratio Lower Upper

43 100

58 60.5 45.0 67.4

57 19.5 14.4 21.6

100 9.1 7.9 11.9

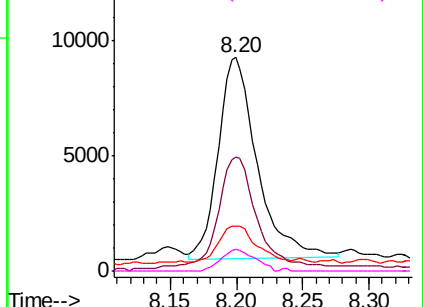
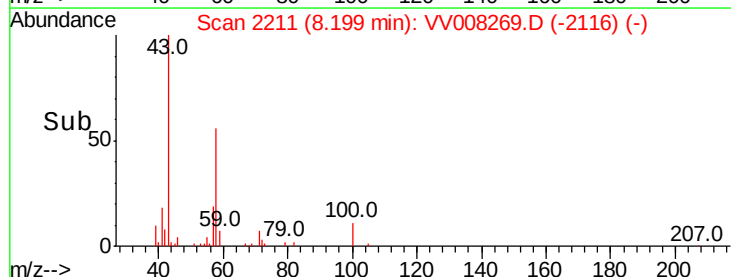


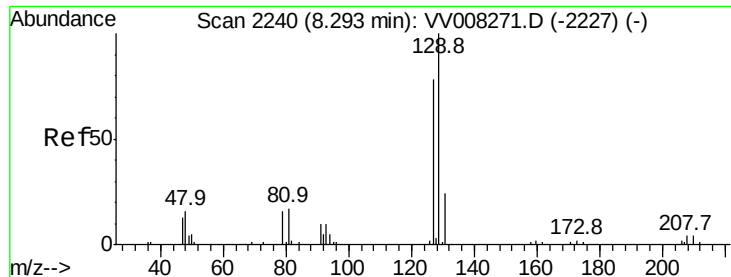
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.445 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

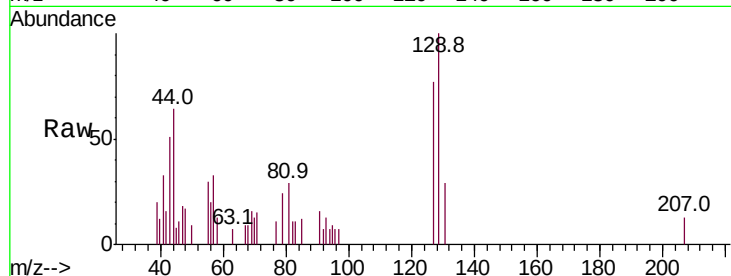
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 2727

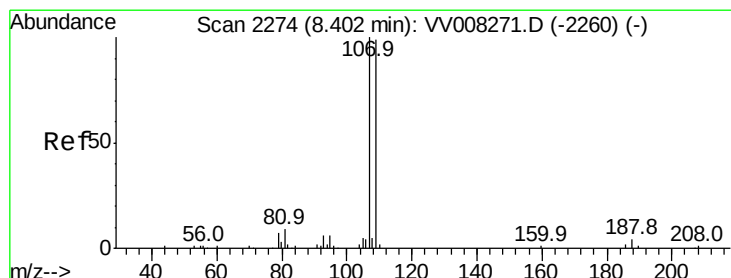
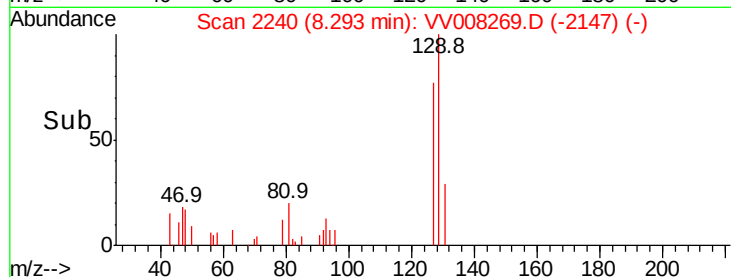
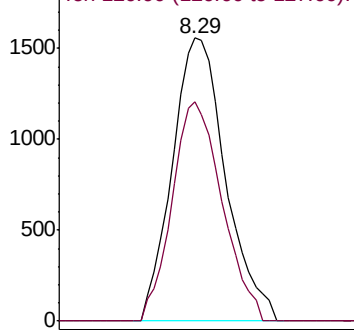
Ion Ratio Lower Upper

129 100

127 77.3 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.526 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

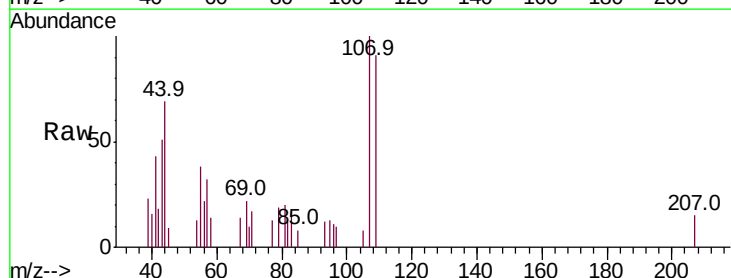
Tgt Ion:107 Resp: 2397

Ion Ratio Lower Upper

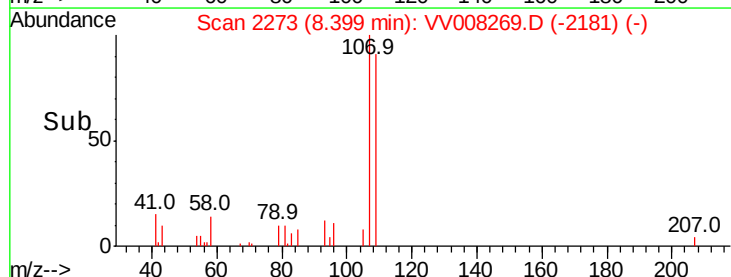
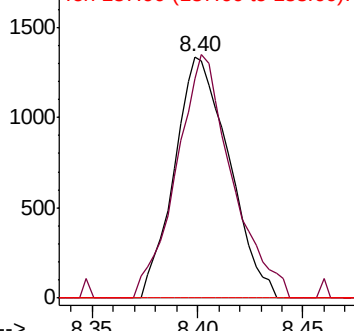
107 100

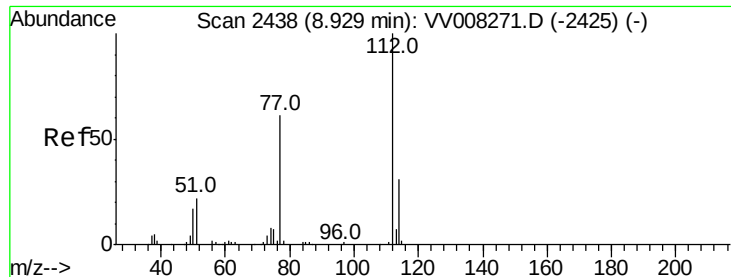
109 90.8 69.6 129.2

188 0.0 2.9 4.3#



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: 0.503 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

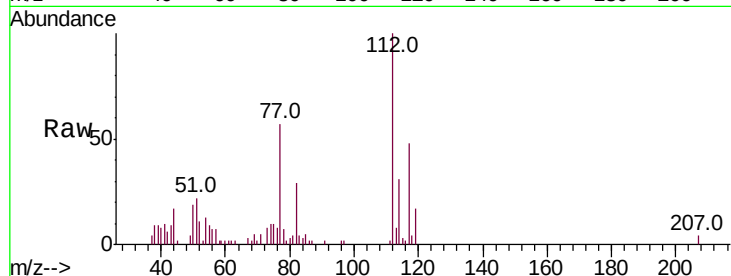
Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 9677

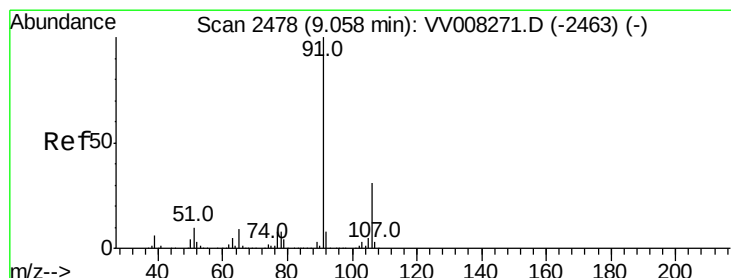
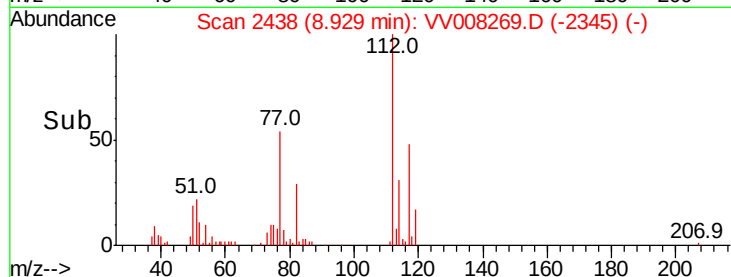
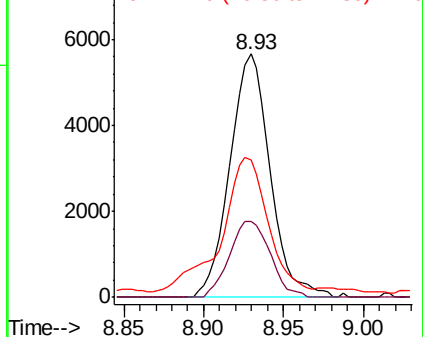
Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.6	40.0
77	56.5	49.7	74.5



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: 0.551 ug/L

RT: 9.06 min Scan# 2478

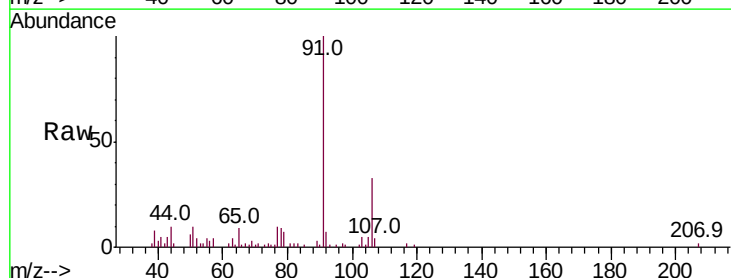
Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

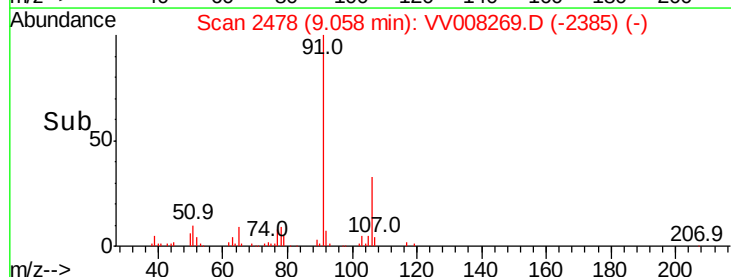
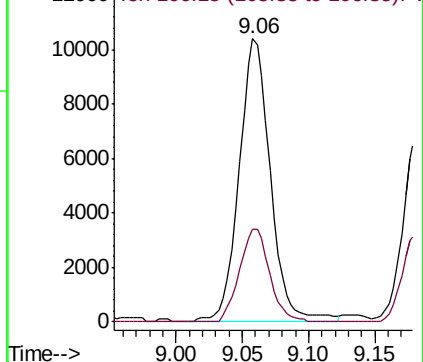
Tgt Ion: 91 Resp: 17111

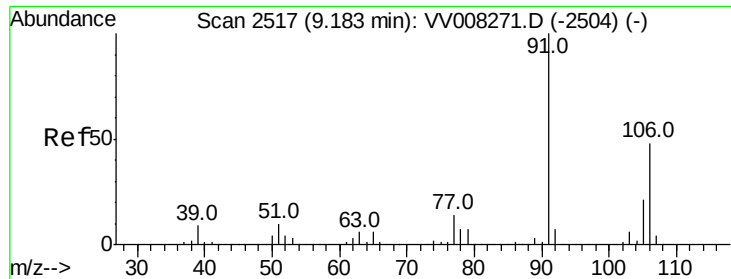
Ion	Ratio	Lower	Upper
91	100		
106	32.6	21.6	40.2



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.518 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

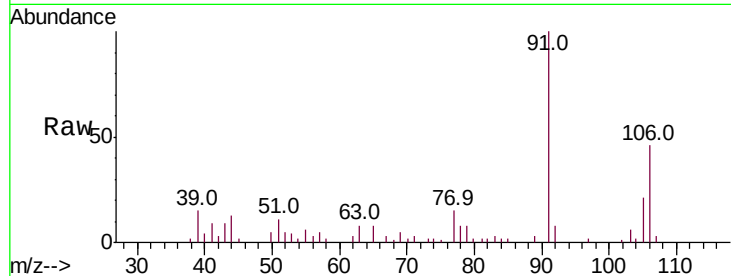
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 6052

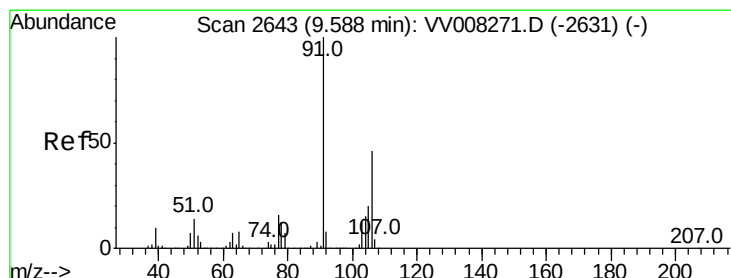
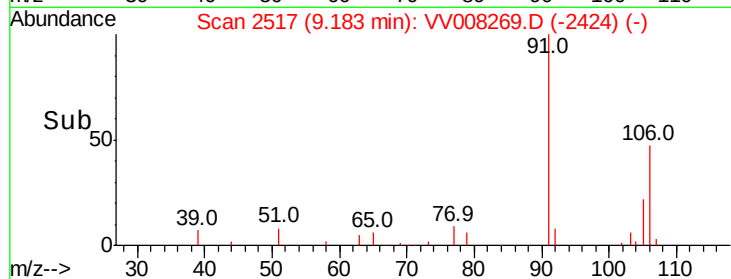
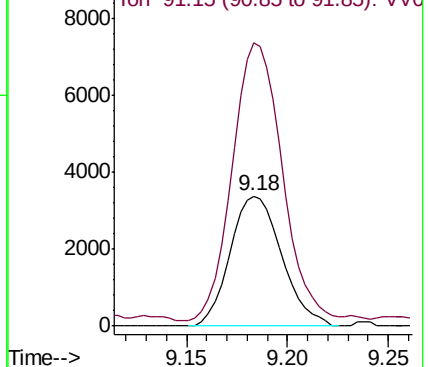
Ion Ratio Lower Upper

106 100

91 217.2 145.2 269.6



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



#54

o-xylene

Concen: 0.545 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008269.D

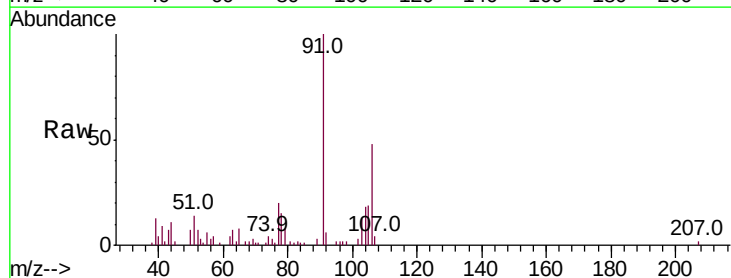
Acq: 15 Oct 2018 10:54

Tgt Ion:106 Resp: 6120

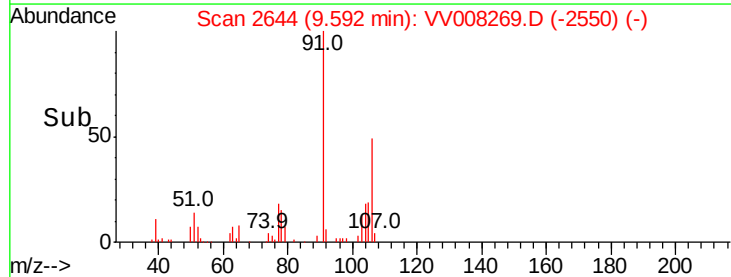
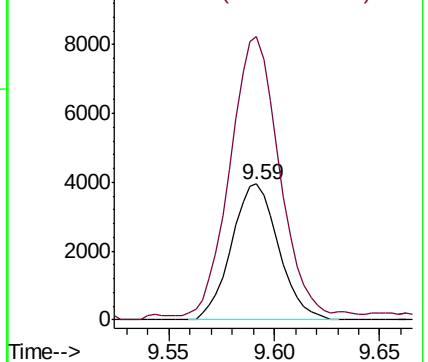
Ion Ratio Lower Upper

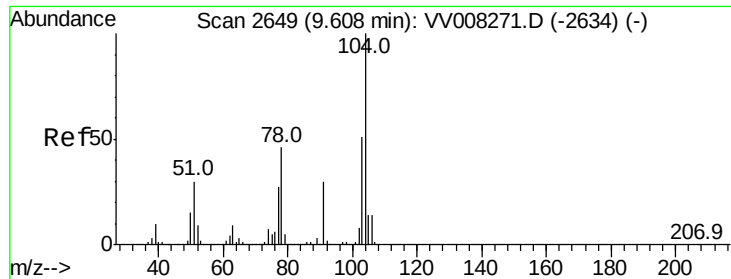
106 100

91 208.5 153.2 284.4



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

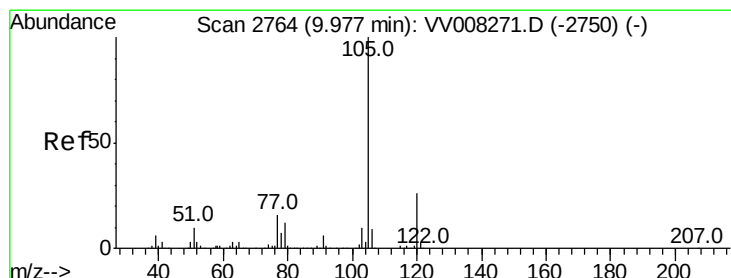
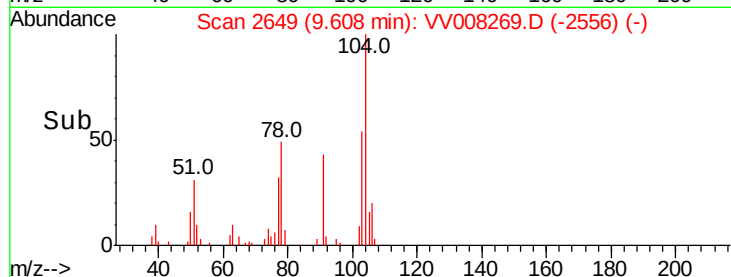
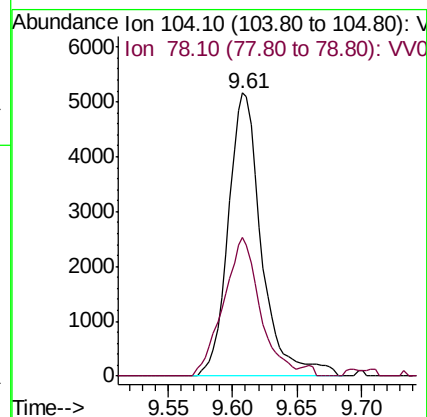
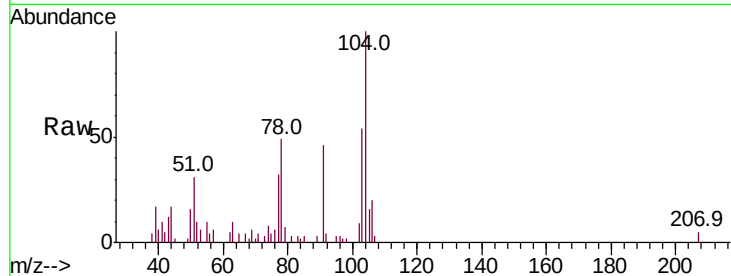




#55
Stvrene
Concen: 0.493 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

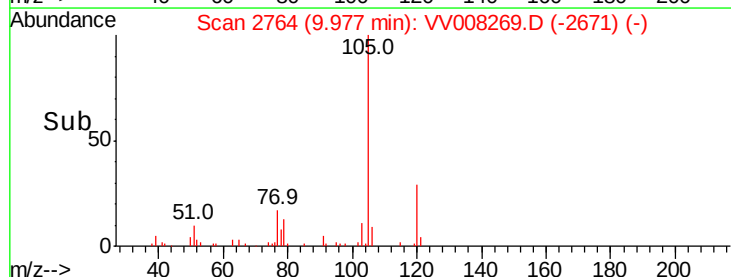
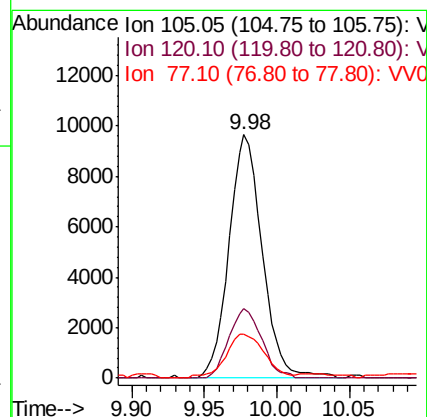
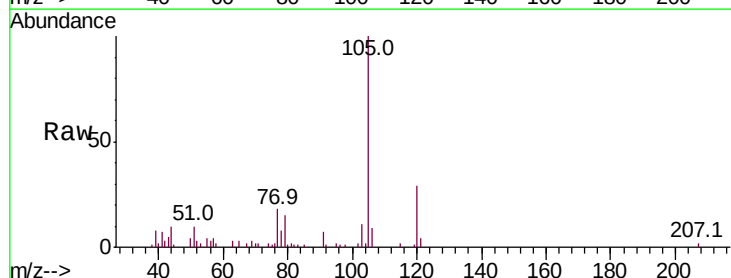
Instrument :
MSVOA_V
ClientSampleId :

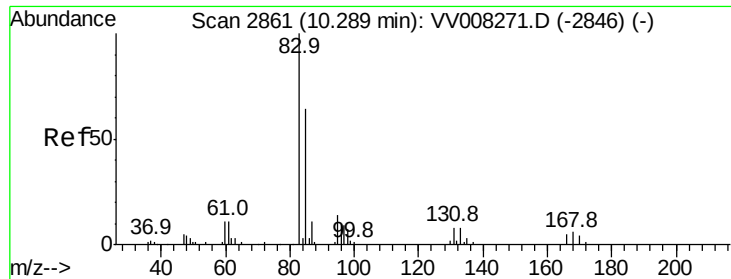
Tot Ion:104 Resp: 9255
Ion Ratio Lower Upper
104 100
78 49.0 32.5 60.3



#56
Isopropylbenzene
Concen: 0.505 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV008269.D
Acq: 15 Oct 2018 10:54

Tgt Ion:105 Resp: 15370
Ion Ratio Lower Upper
105 100
120 27.9 21.2 31.8
77 21.1 13.0 19.6#





#58

1,1,2,2-Tetrachloroethane

Concen: 0.406 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :

MSVOA_V

ClientSampled :

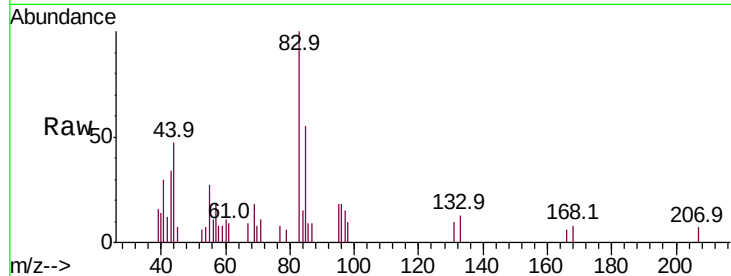
Tot Ion: 83 Resp: 2361

Ion Ratio Lower Upper

83 100

85 54.6 45.6 84.6

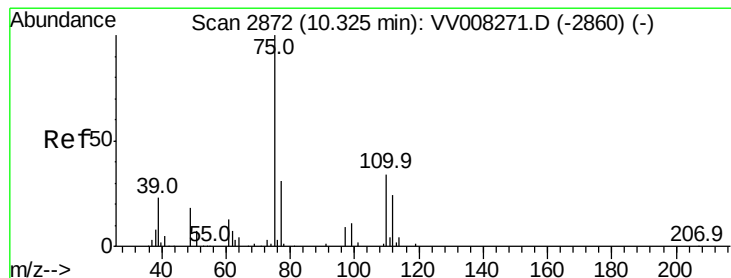
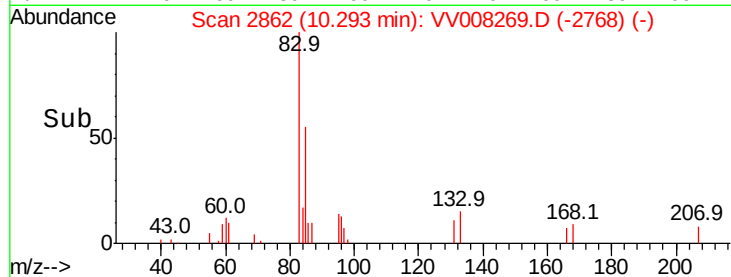
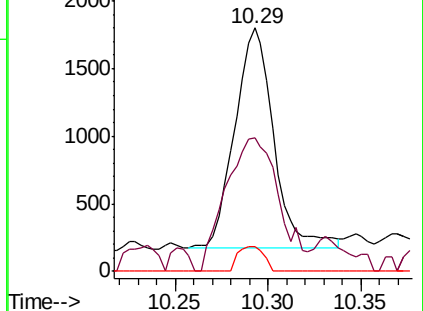
131 10.0 6.6 10.0#



Abundance Ion 82.95 (82.65 to 83.65): VV008271.D (-2846) (-)

Ion 85.00 (84.70 to 85.70): VV008271.D (-2846) (-)

Ion 130.95 (130.65 to 131.65): VV008271.D (-2846) (-)



#59

1,2,3-Trichloropropane

Concen: 0.492 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV008269.D

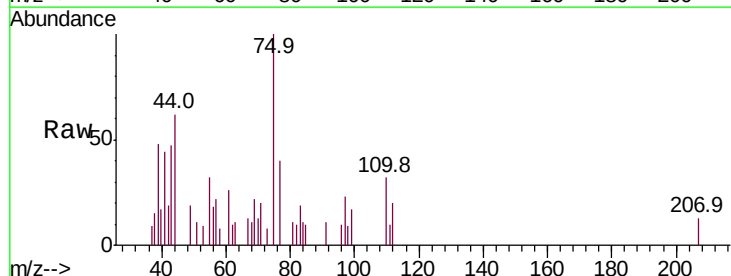
Acq: 15 Oct 2018 10:54

Tgt Ion: 75 Resp: 2087

Ion Ratio Lower Upper

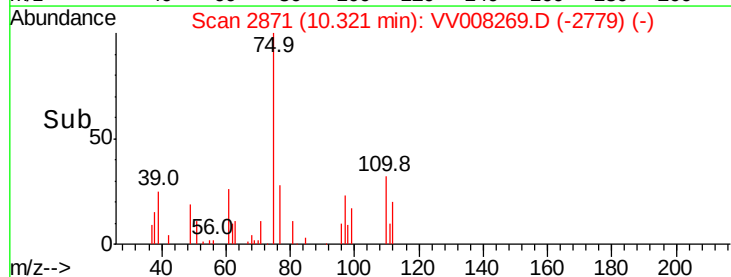
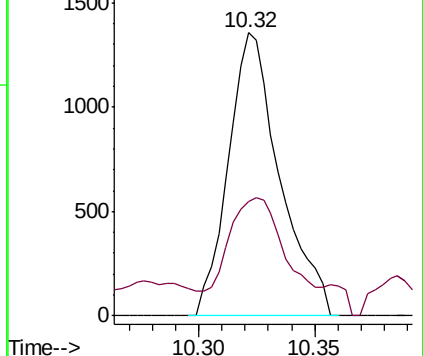
75 100

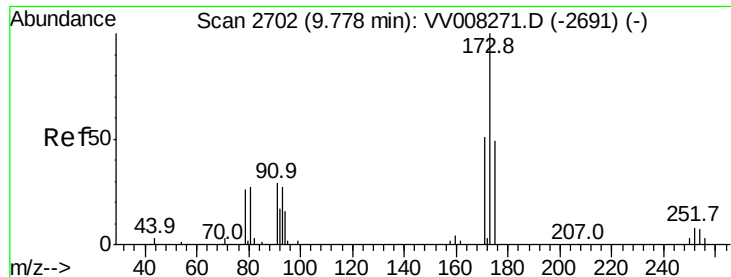
77 33.2 27.0 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV008271.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV008271.D (-2860) (-)





#61

Bromoform

Concen: 0.463 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :
MSVOA_V
ClientSampled :

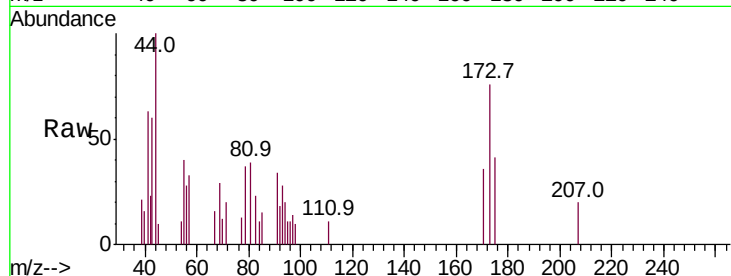
Tot Ion:173 Resp: 1181

Ion Ratio Lower Upper

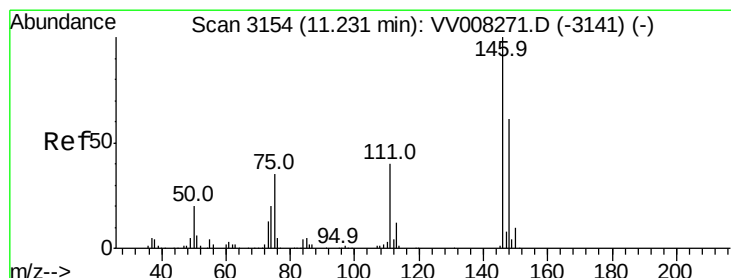
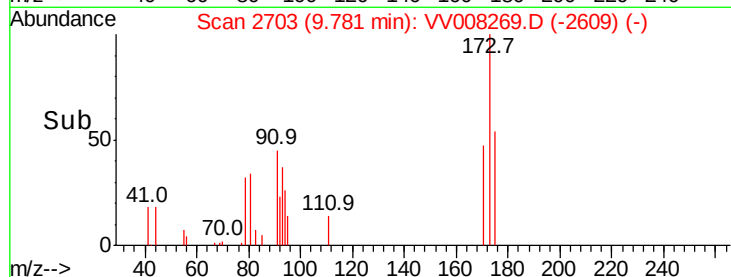
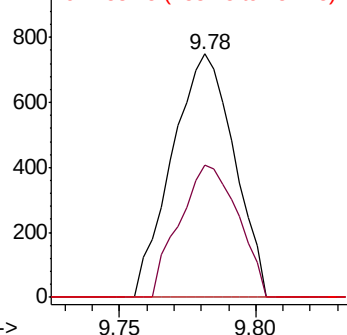
173 100

175 51.6 38.7 58.1

254 0.0 5.9 8.9#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.459 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

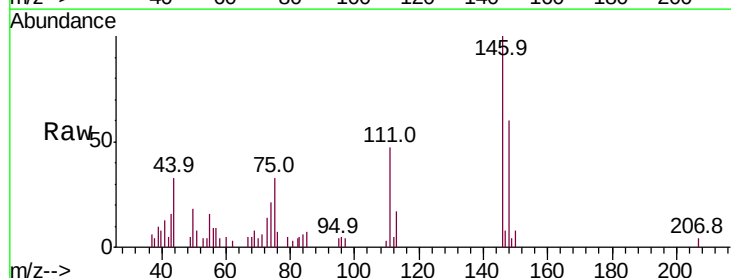
Tgt Ion:146 Resp: 5615

Ion Ratio Lower Upper

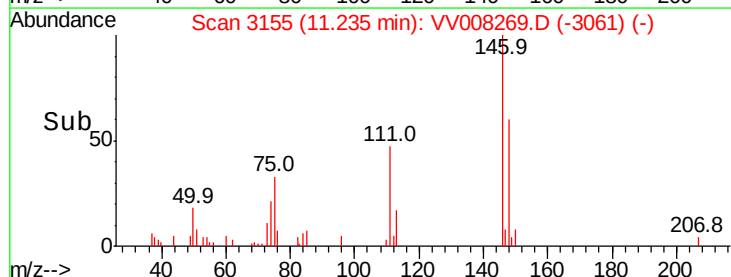
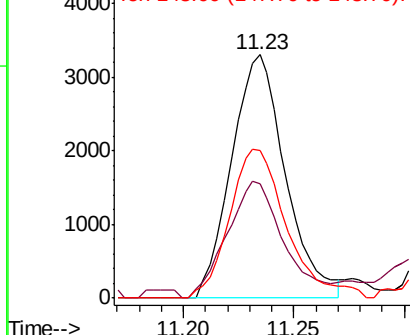
146 100

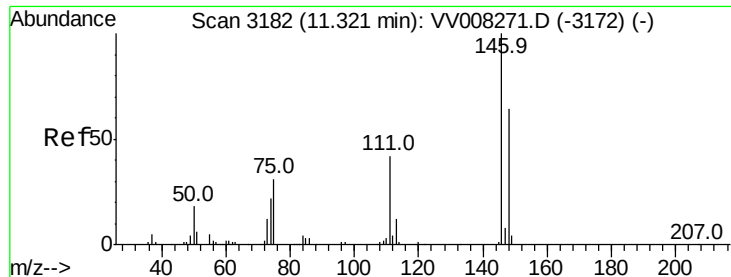
111 47.1 28.0 52.0

148 60.5 42.9 79.7



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





#63

1,4-Dichlorobenzene

Concen: 0.464 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

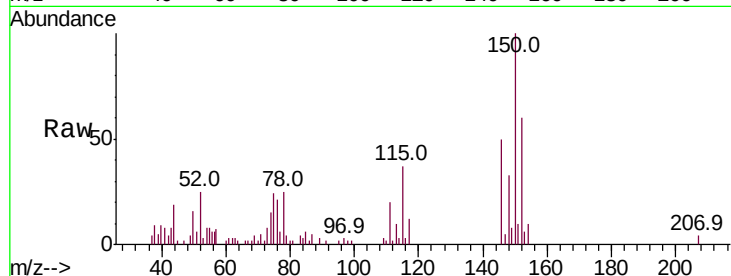
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 5697

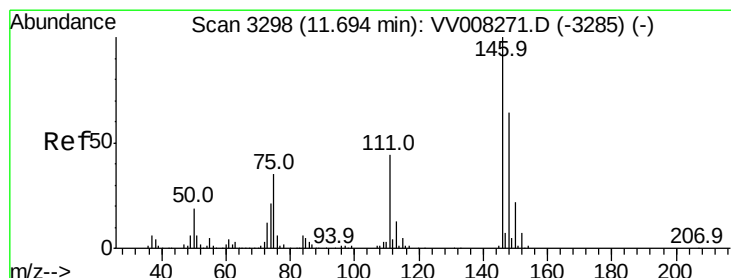
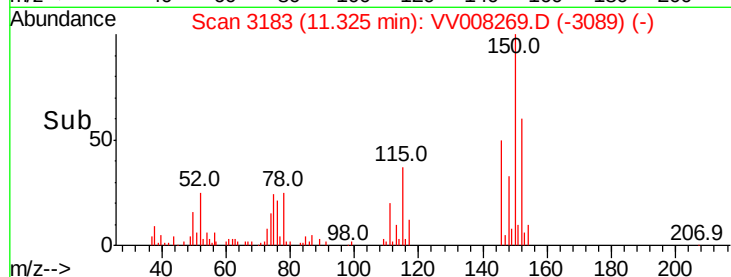
Ion	Ratio	Lower	Upper
146	100		
111	40.4	30.0	55.6
148	65.9	44.5	82.7



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



#65

1,2-Dichlorobenzene

Concen: 0.471 ug/L

RT: 11.70 min Scan# 3299

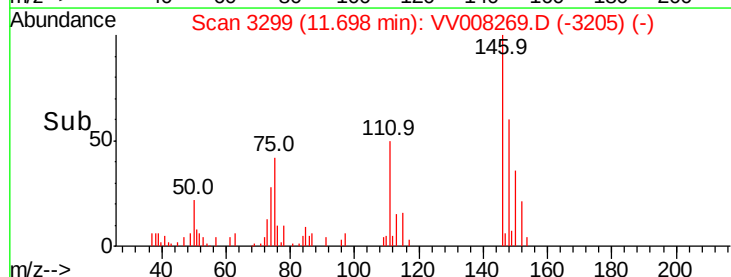
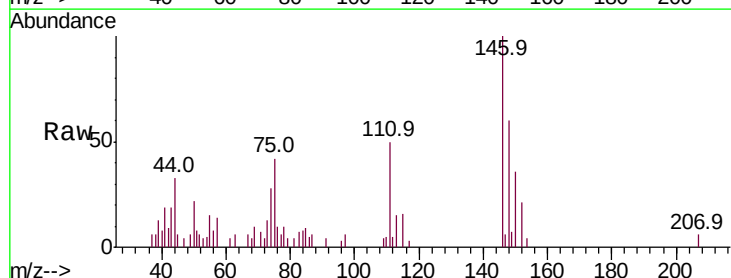
Delta R.T. 0.00 min

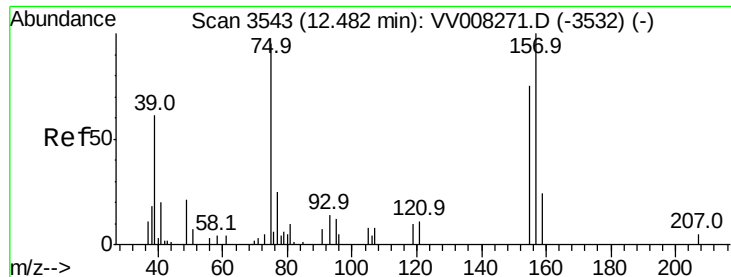
Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Tgt Ion:146 Resp: 5553

Ion	Ratio	Lower	Upper
146	100		
111	50.3	35.5	53.3
148	59.7	51.5	77.3

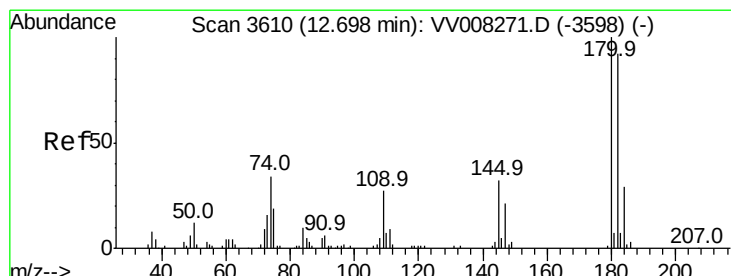
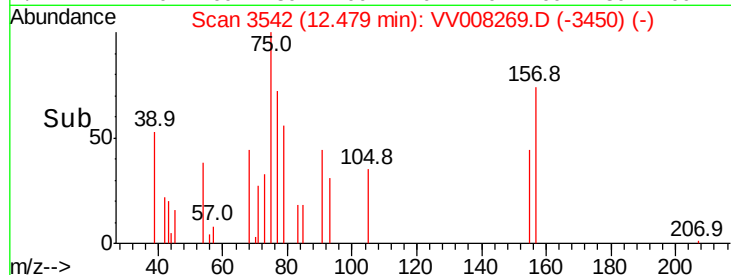
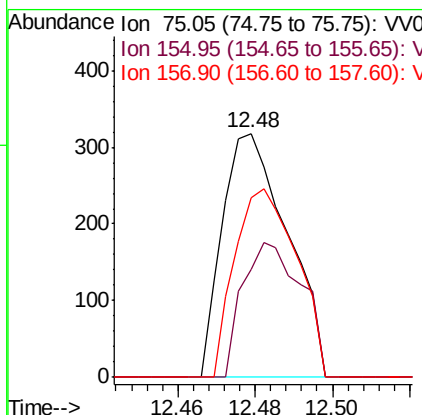
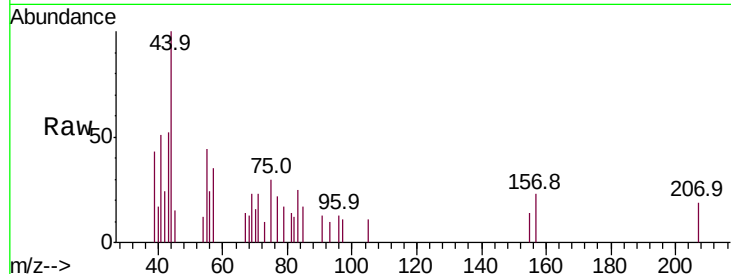




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.558 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008269.D
 Acq: 15 Oct 2018 10:54

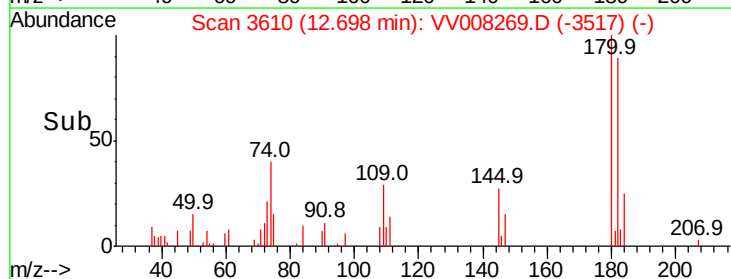
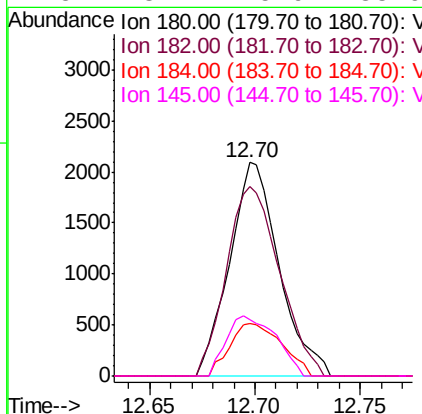
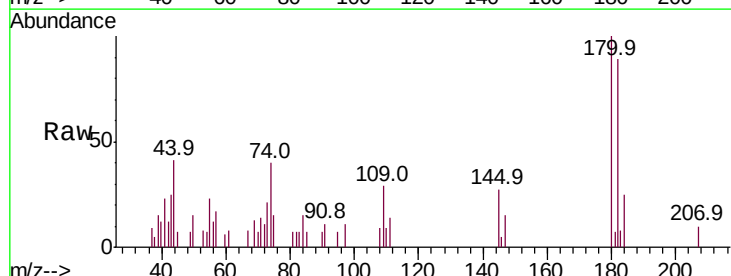
Instrument :
 MSVOA_V
 ClientSampleId :

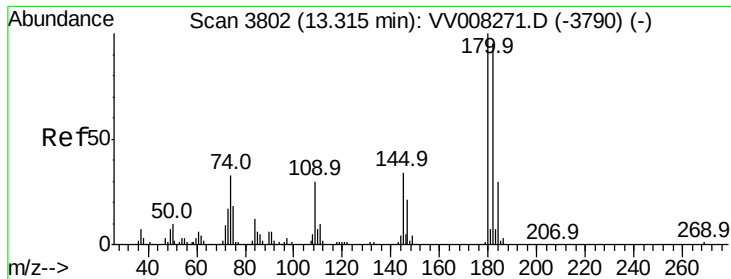
Tot Ion: 75 Resp: 371
 Ion Ratio Lower Upper
 75 100
 155 44.3 63.6 95.4#
 157 73.9 84.3 126.5#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.345 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008269.D
 Acq: 15 Oct 2018 10:54

Tgt Ion:180 Resp: 3410
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.5 111.7
 184 25.7 23.5 35.3
 145 28.2 25.9 38.9

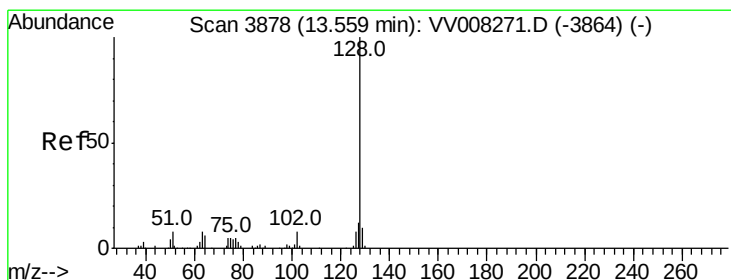
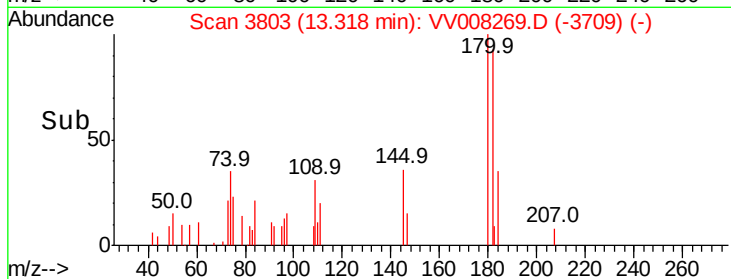
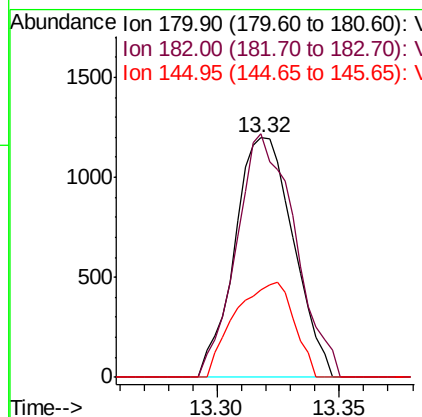
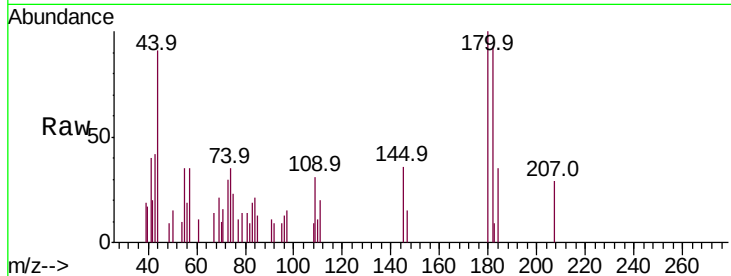




#68
 1,2,4-trichlorobenzene
 Concen: 0.275 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV008269.D
 Acq: 15 Oct 2018 10:54

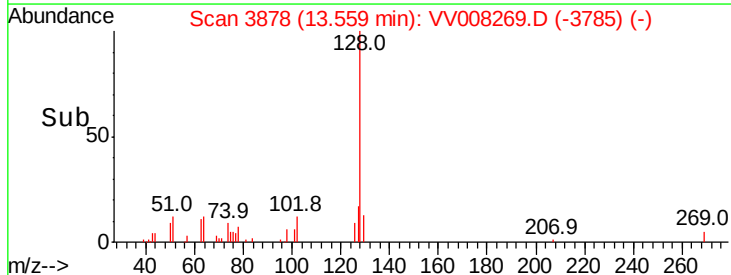
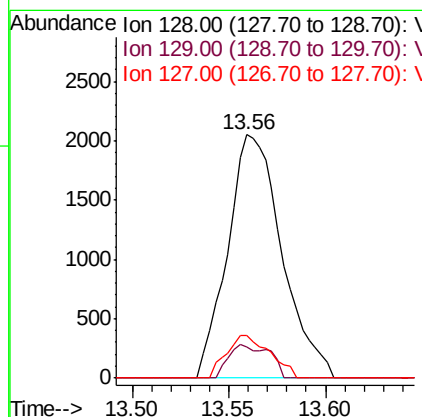
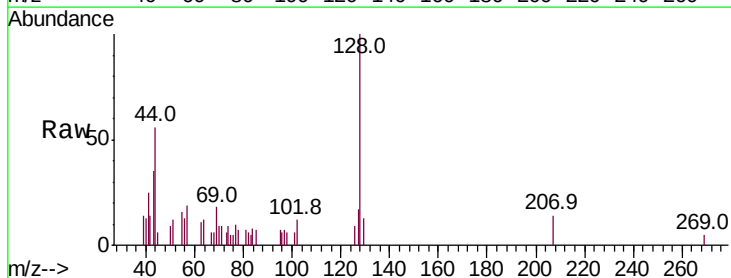
Instrument :
 MSVOA_V
 ClientSampleId :

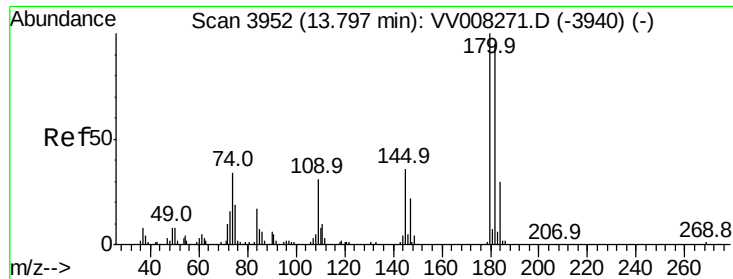
Tot Ion:180 Resp: 1993
 Ion Ratio Lower Upper
 180 100
 182 101.7 75.3 112.9
 145 40.2 26.1 39.1#



#69
 Naphthalene
 Concen: 0.398 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VV008269.D
 Acq: 15 Oct 2018 10:54

Tgt Ion:128 Resp: 3993
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.6 12.8
 127 14.0 10.1 15.1





#70

1,2,3-Trichlorobenzene

Concen: 0.280 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008269.D

Acq: 15 Oct 2018 10:54

Instrument :

MSVOA_V

ClientSampleId :

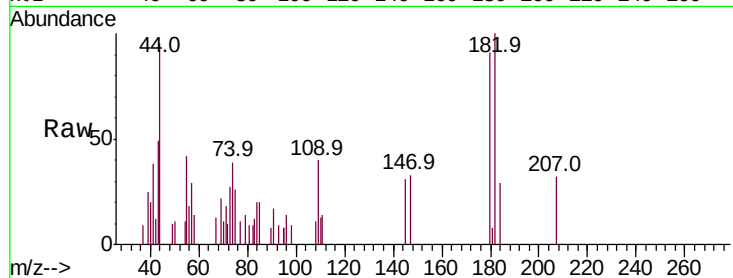
Tot Ion:180 Resp: 1946

Ion Ratio Lower Upper

180 100

182 104.7 75.8 113.8

145 37.2 28.3 42.5



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

