

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091418\
 Data File : VV007560.D
 Acq On : 15 Sep 2018 08:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 05:57:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 04:48:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	124413	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	110667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54031	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30511	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	29660	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.14	63	68272	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	3.97	46	45715	50.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.86%
24) Chloroform-d	4.41	84	64392	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.09	65	31797	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	124712	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.13	67	37006	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	129669	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.67	79	13179	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.15	63	35160	63.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25088	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	50563	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	31360	4.657 ug/L	99
3) Chloromethane	1.26	50	28372	4.847 ug/L	97
5) Vinyl chloride	1.32	62	32819	5.022 ug/L	99
6) Bromomethane	1.54	94	24775	5.312 ug/L	100
8) Chloroethane	1.60	64	22744	5.710 ug/L	97
9) Trichlorofluoromethane	1.77	101	68726	5.332 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34964	4.971 ug/L	97
12) 1,1-Dichloroethene	2.14	96	33840	5.359 ug/L	88
13) Acetone	2.21	43	25749	43.493 ug/L	91
14) Carbon disulfide	2.32	76	92068	4.984 ug/L	99
15) Methyl Acetate	2.47	43	7540	4.647 ug/L	90
16) Methylene chloride	2.54	84	34052	4.989 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	77234	5.084 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	35372	5.149 ug/L	97
19) 1,1-Dichloroethane	3.23	63	49387	4.931 ug/L	99
21) 2-Butanone	4.06	43	42961	43.258 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	33622	4.966 ug/L	97

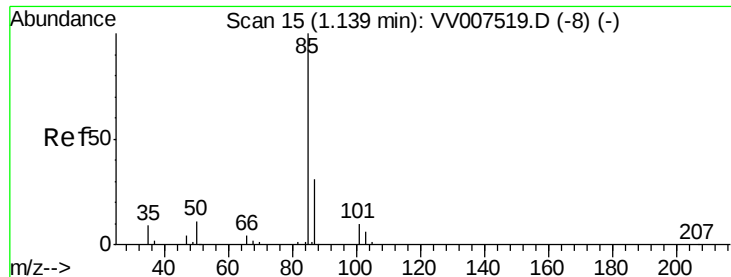
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	14890	5.017	uq/L	99
25) Chloroform	4.43	83	55464	4.846	uq/L	98
27) 1,2-Dichloroethane	5.19	62	32864	4.987	uq/L	98
29) 1,1,1-Trichloroethane	4.66	97	52663	4.893	uq/L	99
30) Cyclohexane	4.73	56	44252	4.715	uq/L	100
31) Carbon tetrachloride	4.88	117	49562	4.907	uq/L	97
33) Benzene	5.15	78	116305	5.089	uq/L	100
34) Trichloroethene	5.96	95	36065	5.146	uq/L	98
35) Methylcyclohexane	6.18	83	48738	4.503	uq/L	98
37) 1,2-Dichloropropane	6.23	63	28031	4.978	uq/L	100
38) Bromodichloromethane	6.56	83	37991	4.652	uq/L	97
39) cis-1,3-Dichloropropene	7.08	75	35362	3.950	uq/L	100
40) 4-Methyl-2-pentanone	7.29	43	154089	49.560	uq/L	99
42) Toluene	7.43	91	129954	4.922	uq/L	100
44) trans-1,3-Dichloropropene	7.70	75	29007	3.938	uq/L	97
45) 1,1,2-Trichloroethane	7.89	97	21702	5.161	uq/L	97
47) Tetrachloroethene	8.02	164	30732	4.883	uq/L	96
48) 2-Hexanone	8.20	43	108611	46.013	uq/L	93
49) Dibromochloromethane	8.30	129	27872	4.657	uq/L	99
50) 1,2-Dibromoethane	8.40	107	20627	5.052	uq/L	100
51) Chlorobenzene	8.93	112	86935	4.896	uq/L	99
52) Ethylbenzene	9.06	91	142289	4.785	uq/L	99
53) m,p-xylene	9.19	106	55283	4.798	uq/L	99
54) o-xylene	9.59	106	56116	4.974	uq/L	98
55) Styrene	9.61	104	90152	4.905	uq/L	97
56) Isopropylbenzene	9.98	105	145574	4.752	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	19547	4.745	uq/L	93
59) 1,2,3-Trichloropropane	10.32	75	16980	4.931	uq/L	97
61) Bromoform	9.78	173	16203	5.052	uq/L	100
62) 1,3-Dichlorobenzene	11.23	146	70234	5.145	uq/L	97
63) 1,4-Dichlorobenzene	11.32	146	68643	5.029	uq/L	99
65) 1,2-Dichlorobenzene	11.69	146	67727	5.331	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3257	4.983	uq/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	50649	4.754	uq/L	99
68) 1,2,4-trichlorobenzene	13.31	180	36299	4.731	uq/L	98
69) Naphthalene	13.56	128	49476	5.327	uq/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	34965	4.998	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.657 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

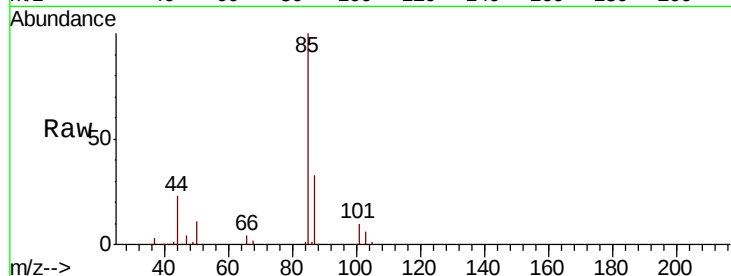
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 31360

Ion Ratio Lower Upper

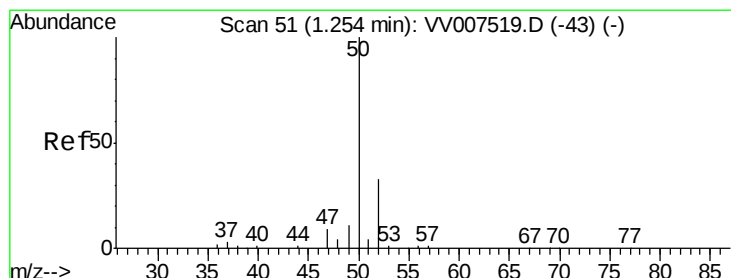
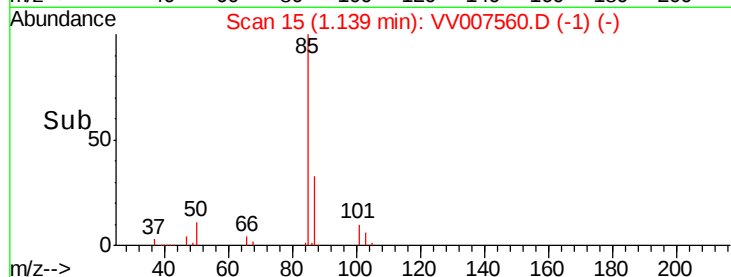
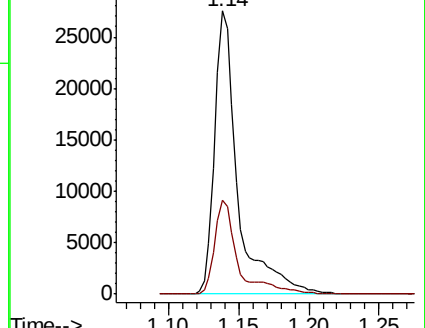
85 100

87 33.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV007519.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007519.D (-8) (-)



#3

Chloromethane

Concen: 4.847 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007560.D

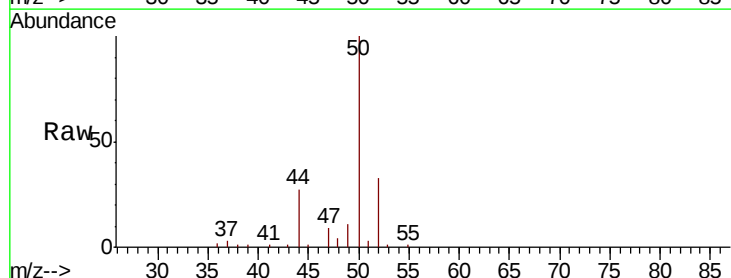
Acq: 15 Sep 2018 08:16

Tgt Ion: 50 Resp: 28372

Ion Ratio Lower Upper

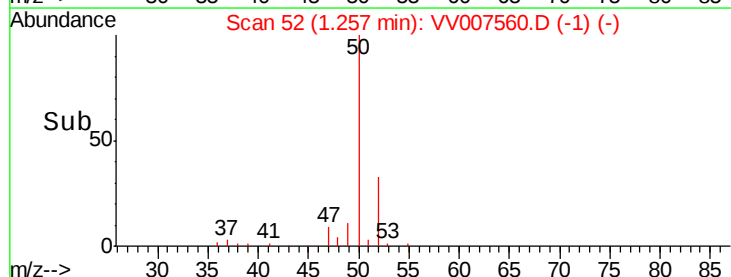
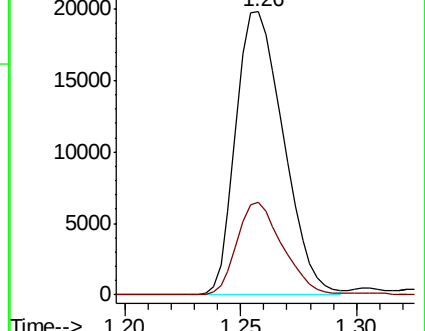
50 100

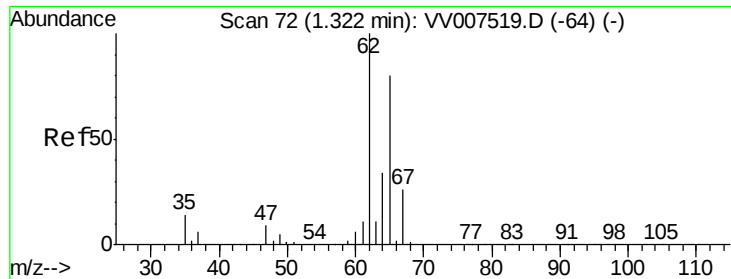
52 32.8 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007519.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007519.D (-43) (-)





#5

Vinyl chloride

Concen: 5.022 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

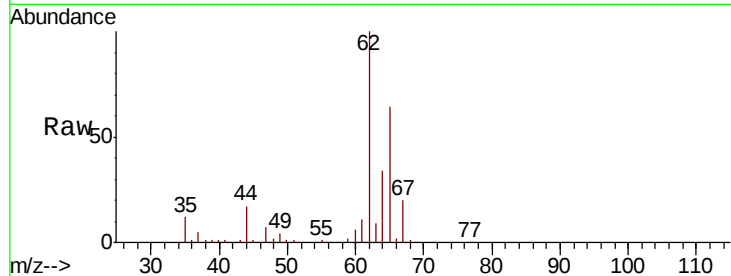
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 32819

Ion Ratio Lower Upper

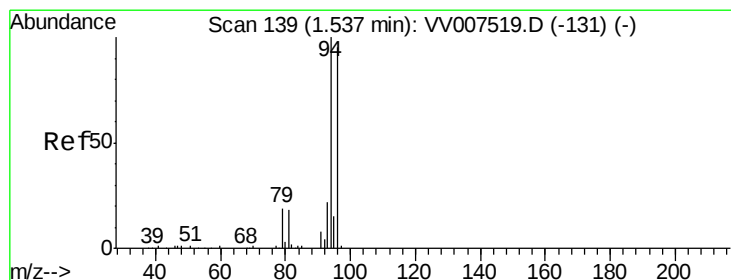
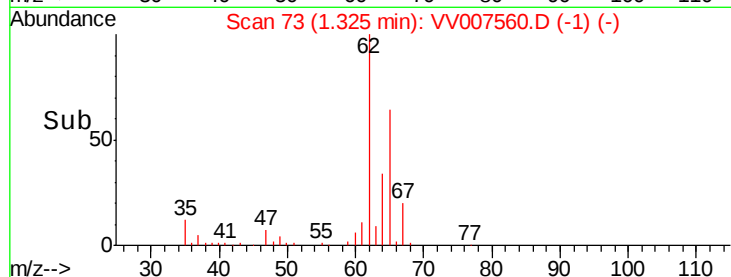
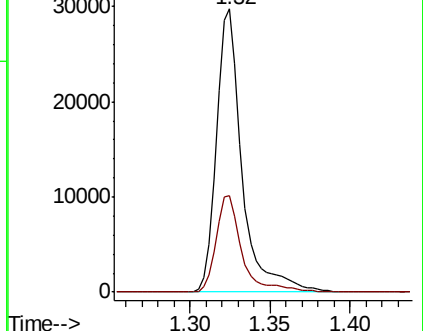
62 100

64 34.0 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007519.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007560.D (-1) (-)



#6

Bromomethane

Concen: 5.312 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007560.D

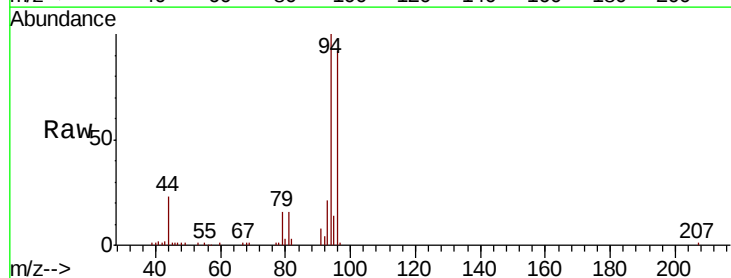
Acq: 15 Sep 2018 08:16

Tgt Ion: 94 Resp: 24775

Ion Ratio Lower Upper

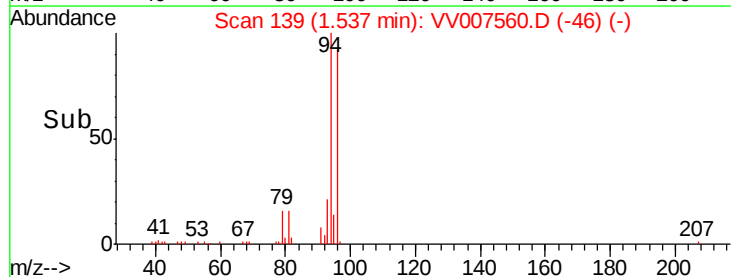
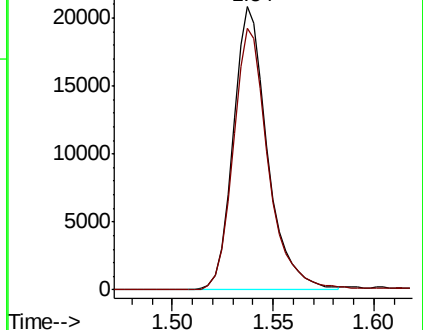
94 100

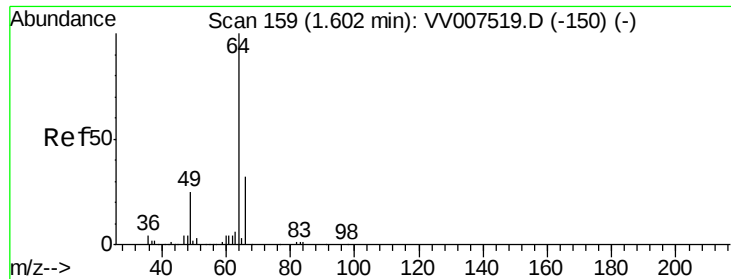
96 92.3 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007519.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV007560.D (-46) (-)

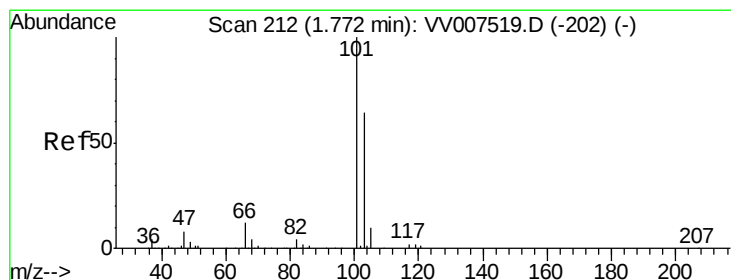
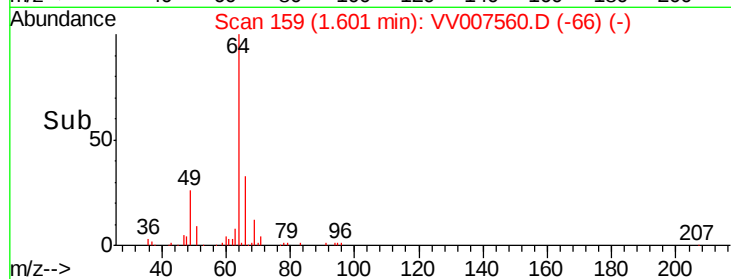
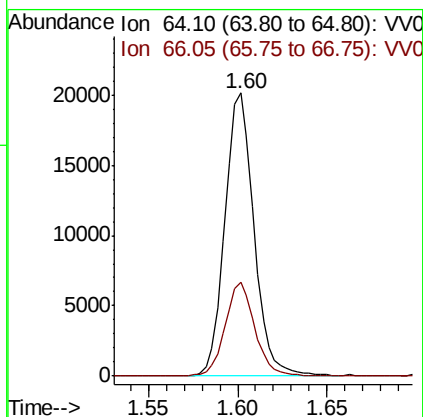
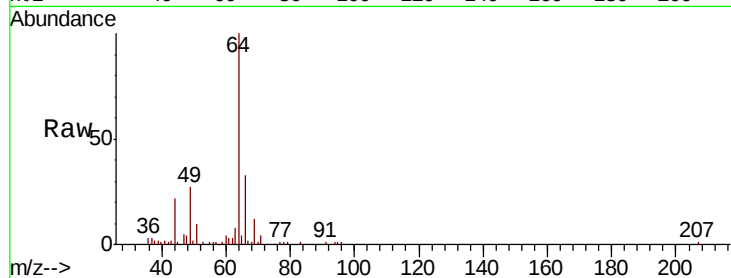




#8
Chloroethane
Concen: 5.710 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

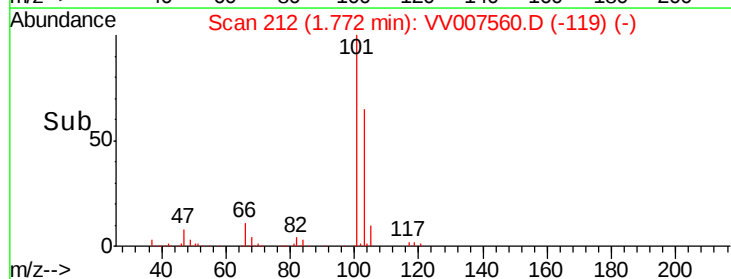
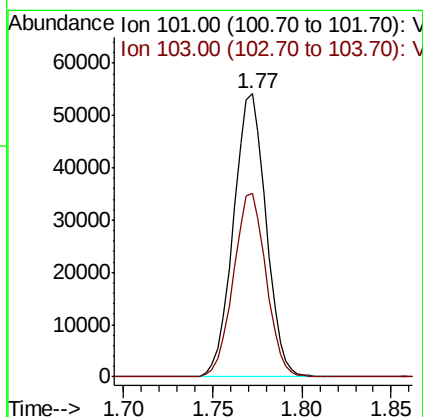
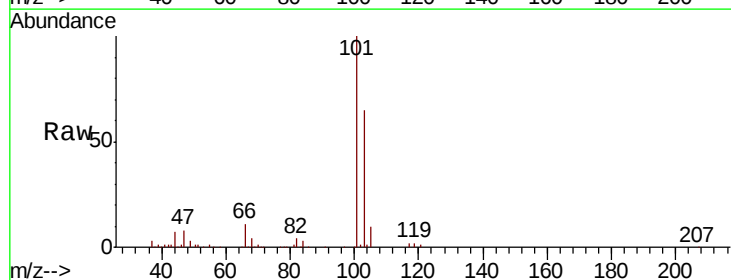
Instrument :
MSVOA_V
ClientSampleId :

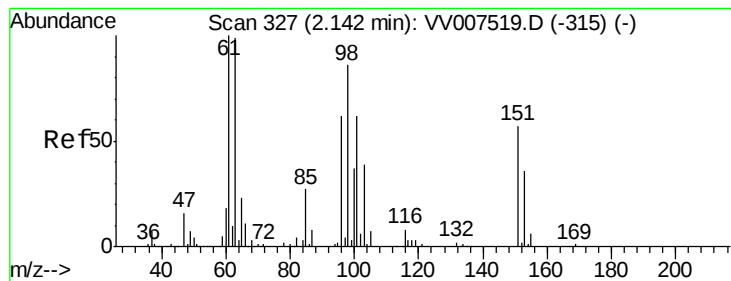
Tot Ion: 64 Resp: 22744
Ion Ratio Lower Upper
64 100
66 33.1 24.3 45.1



#9
Trichlorofluoromethane
Concen: 5.332 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Tgt Ion:101 Resp: 68726
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8





#10

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

Concen: 4.971 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

ClientSampled :

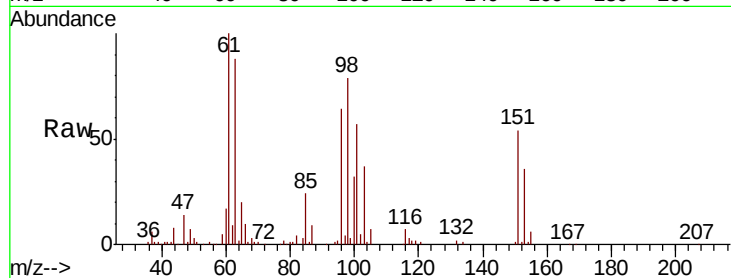
Tot Ion:101 Resp: 34964

Ion Ratio Lower Upper

101 100

85 42.3 34.8 52.2

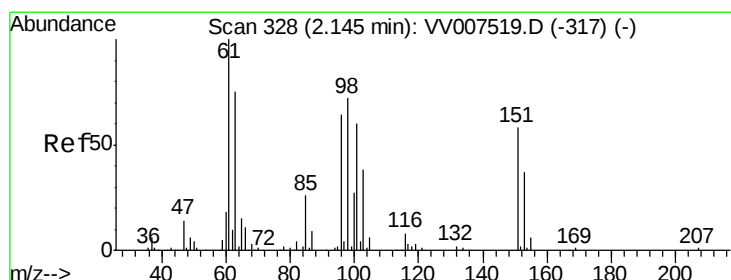
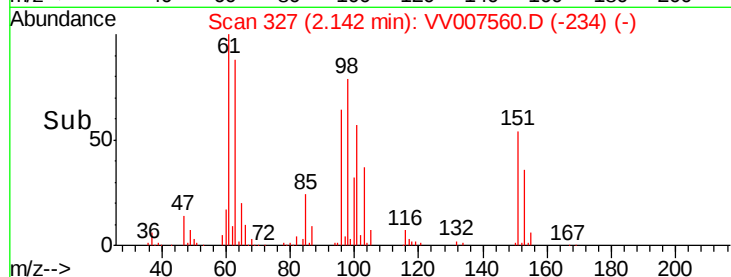
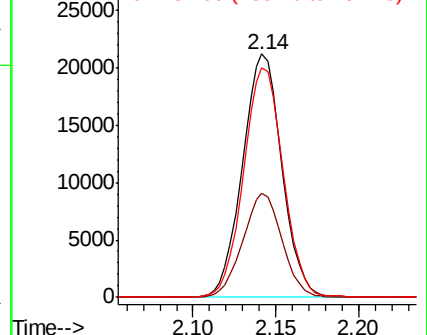
151 94.7 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.359 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

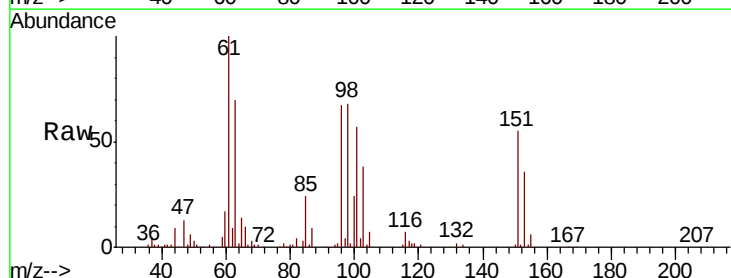
Tgt Ion: 96 Resp: 33840

Ion Ratio Lower Upper

96 100

61 148.9 114.8 213.2

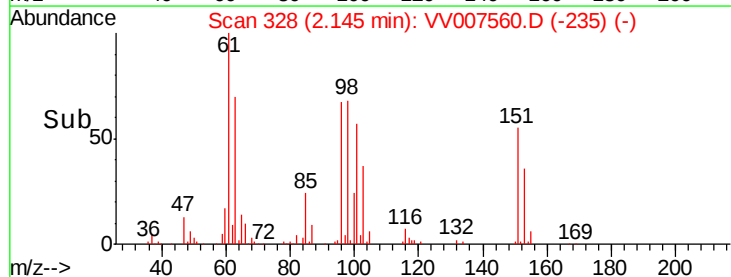
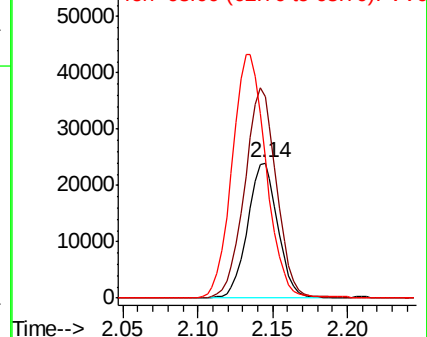
63 103.8 81.8 151.8

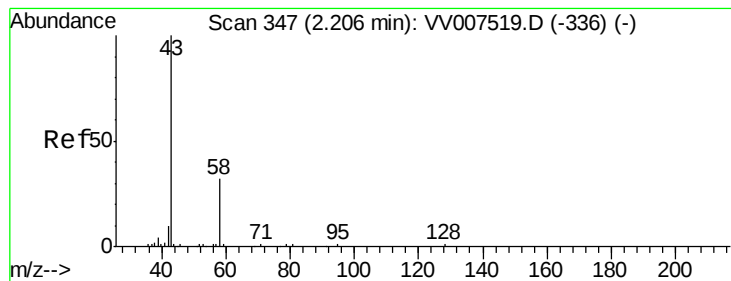


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.493 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

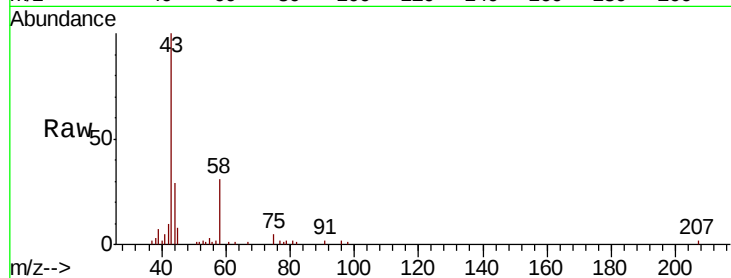
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 25749

Ion Ratio Lower Upper

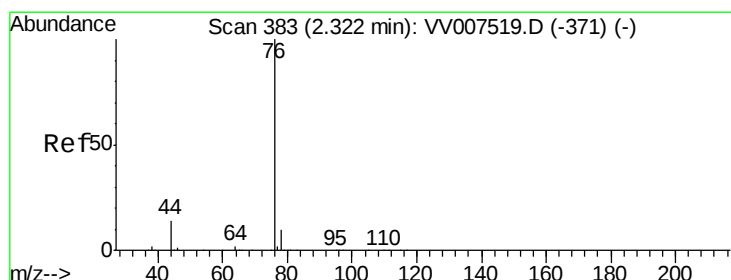
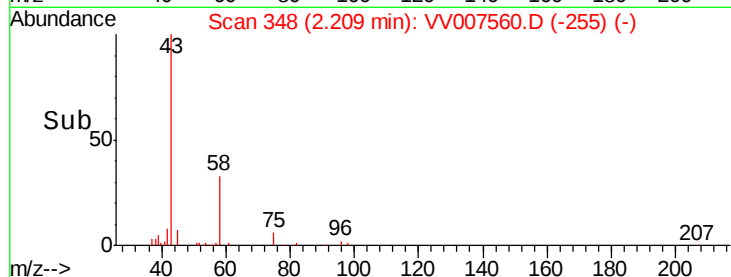
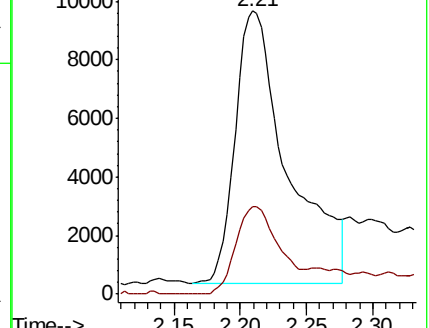
43 100

58 26.7 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007519.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV007519.D (-336) (-)



#14

Carbon disulfide

Concen: 4.984 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007560.D

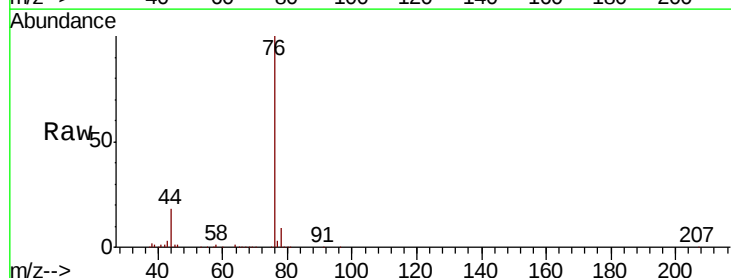
Acq: 15 Sep 2018 08:16

Tgt Ion: 76 Resp: 92068

Ion Ratio Lower Upper

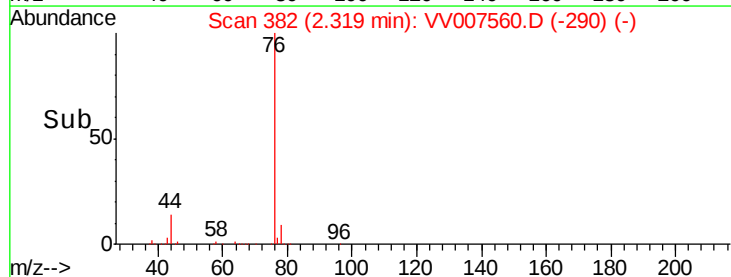
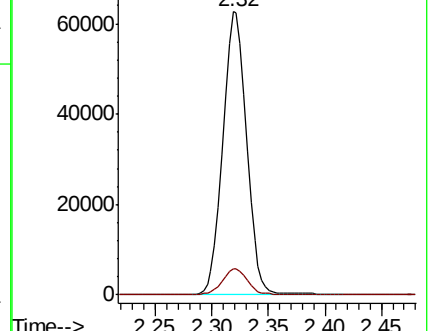
76 100

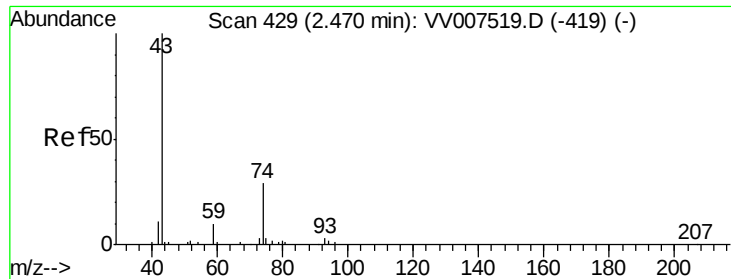
78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007519.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV007519.D (-371) (-)

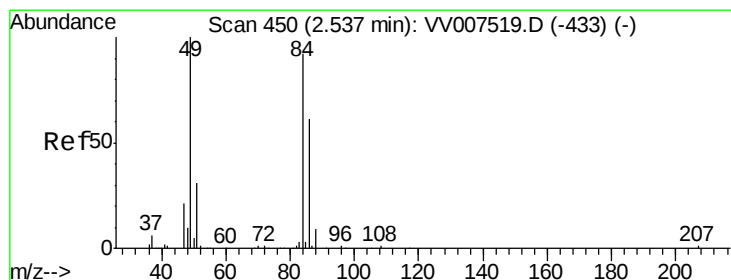
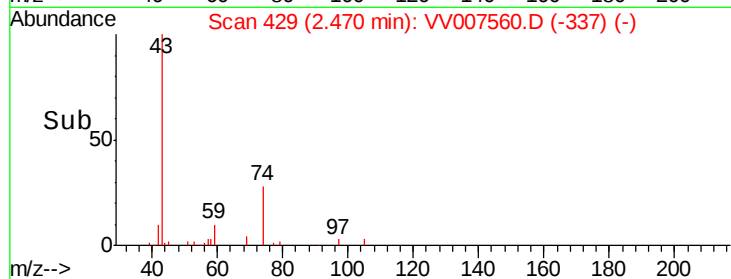
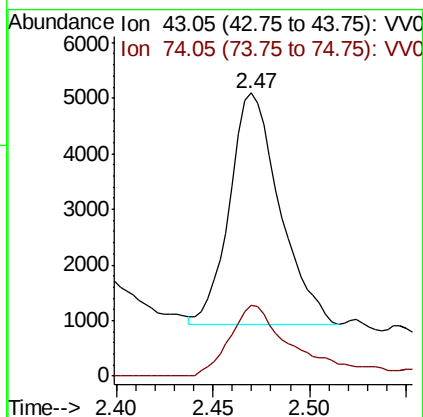
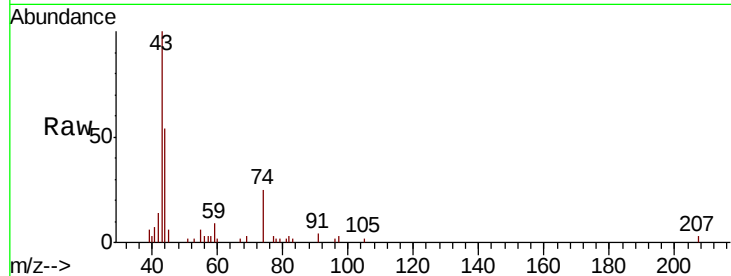




#15
Methvl Acetate
Concen: 4.647 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

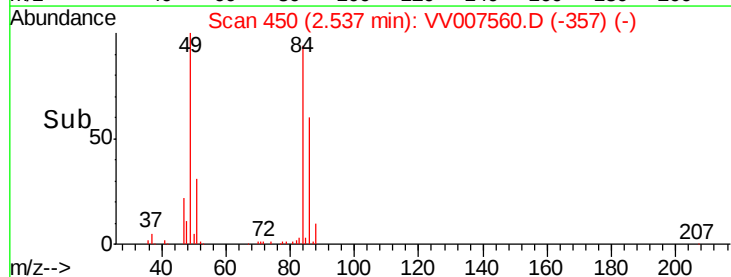
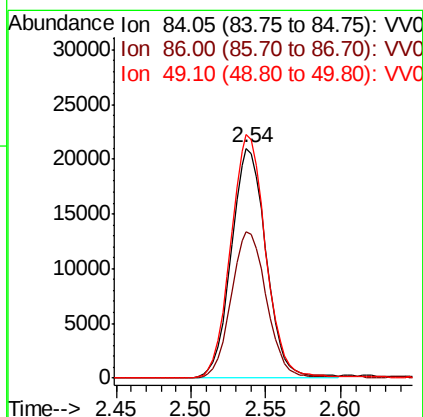
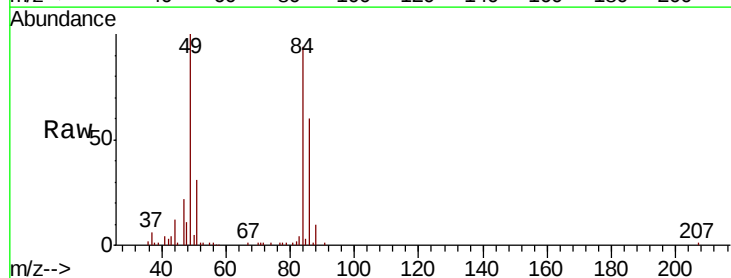
Instrument :
MSVOA_V
ClientSampleId :

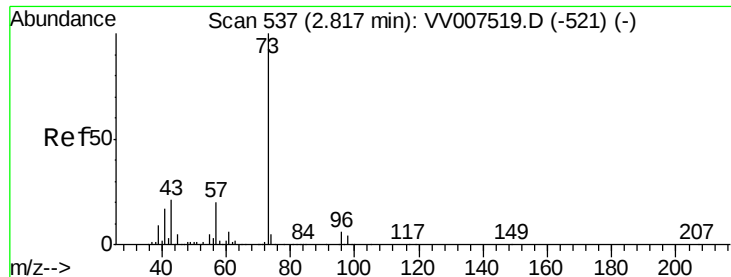
Tot Ion: 43 Resp: 7540
Ion Ratio Lower Upper
43 100
74 37.5 25.4 38.2



#16
Methylene chloride
Concen: 4.989 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Tgt Ion: 84 Resp: 34052
Ion Ratio Lower Upper
84 100
86 63.7 43.7 81.1
49 105.9 76.8 142.6

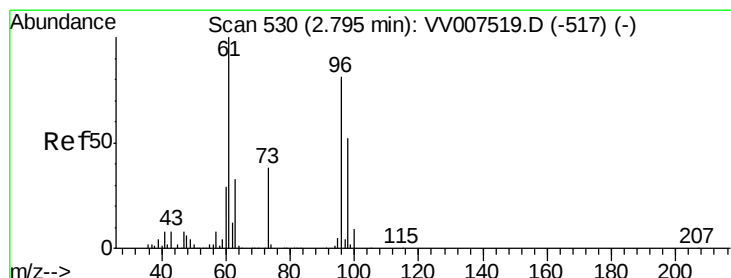
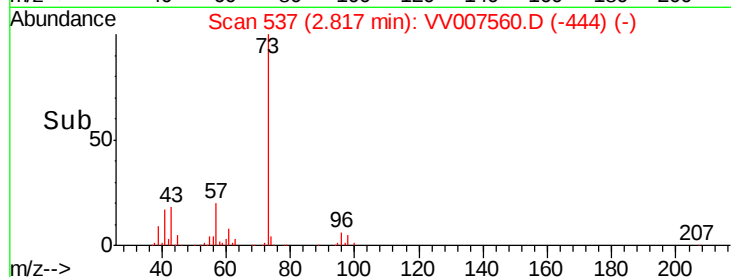
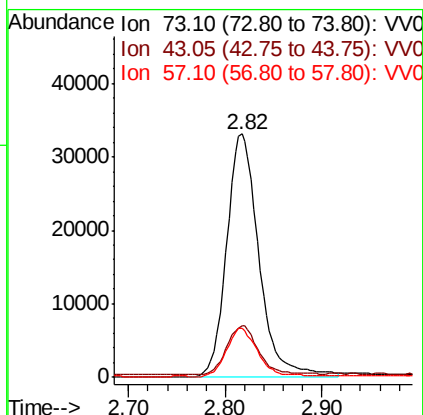
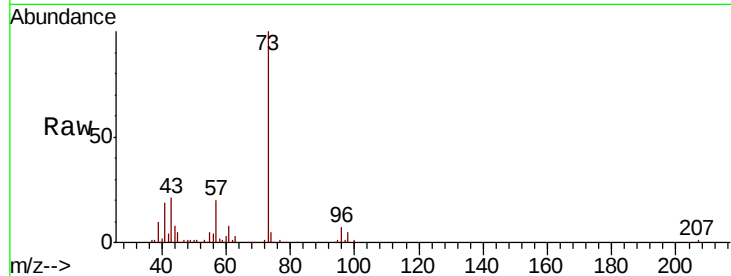




#17
Methvl tert-butvl Ether
Concen: 5.084 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

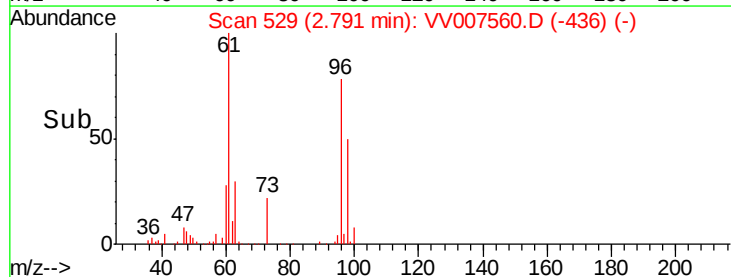
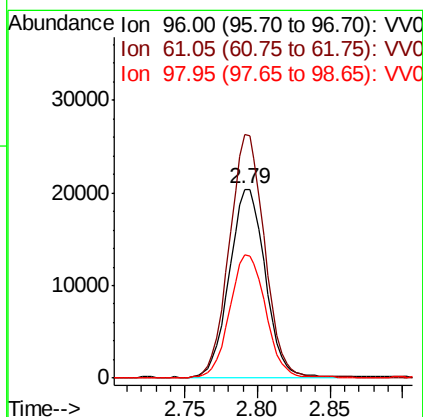
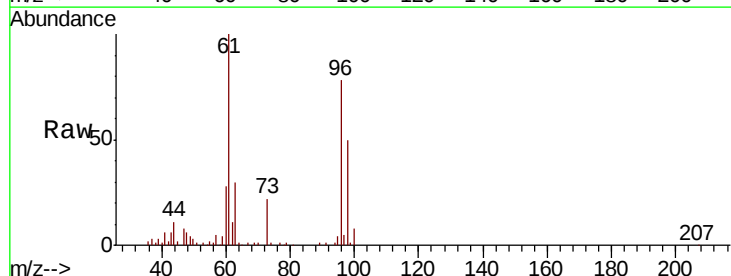
Instrument :
MSVOA_V
ClientSampleId :

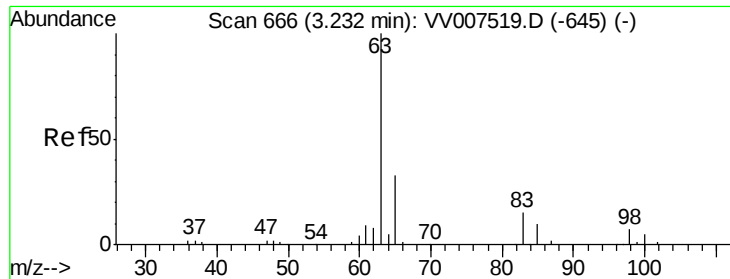
Tot Ion: 73 Resp: 77234
Ion Ratio Lower Upper
73 100
43 18.7 15.8 23.6
57 19.5 15.8 23.6



#18
trans-1,2-Dichloroethene
Concen: 5.149 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Tgt Ion: 96 Resp: 35372
Ion Ratio Lower Upper
96 100
61 128.7 86.8 161.2
98 64.9 44.4 82.4

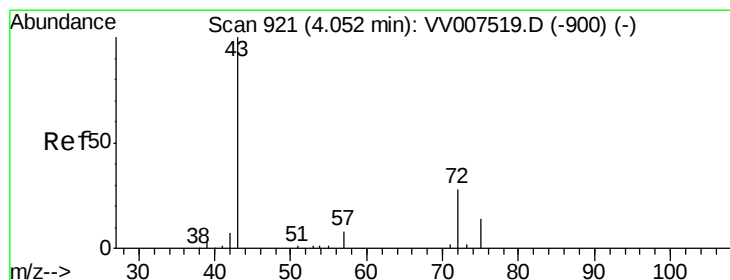
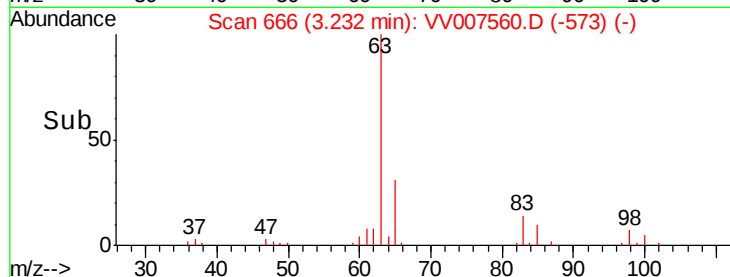
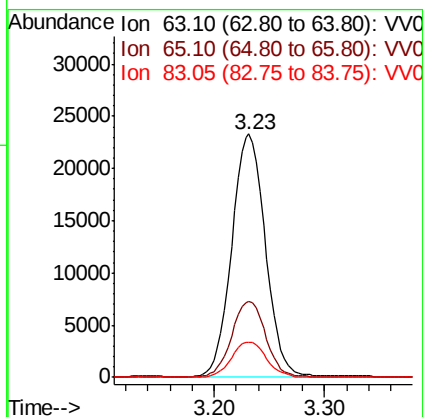
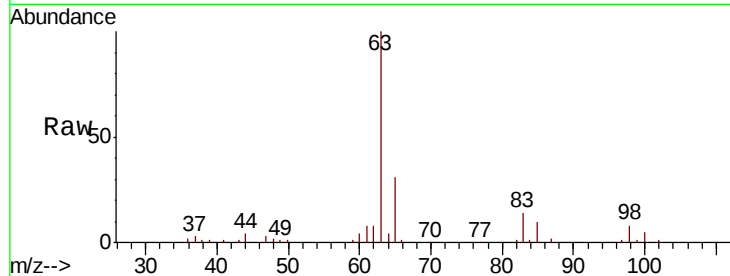




#19
 1,1-Dichloroethane
 Concen: 4.931 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

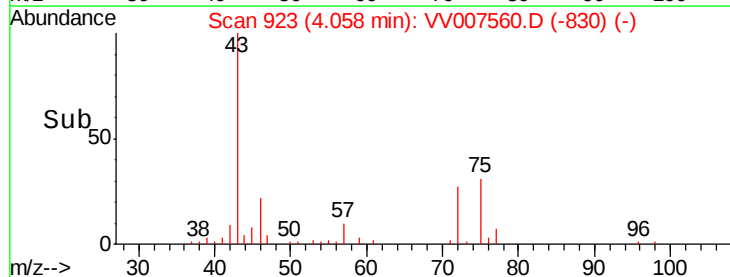
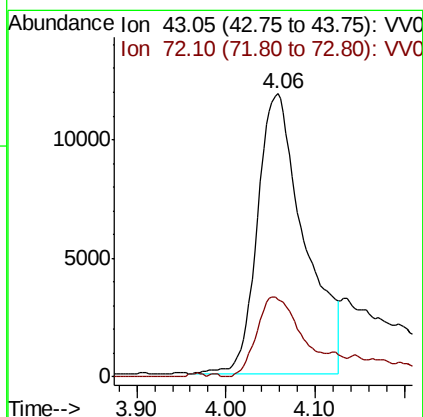
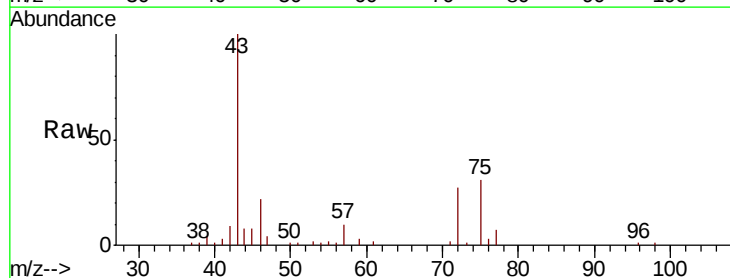
Instrument :
 MSVOA_V
 ClientSampleId :

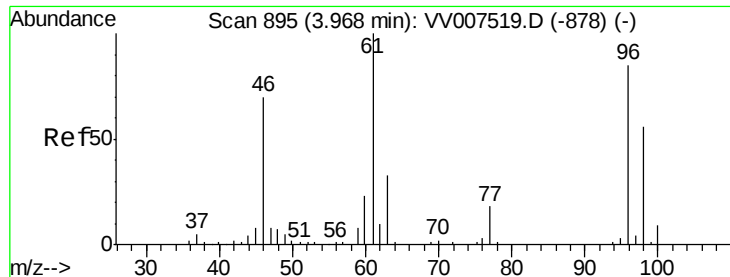
Tot Ion: 63 Resp: 49387
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.9
 83 14.4 10.4 19.2



#21
 2-Butanone
 Concen: 43.258 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Tgt Ion: 43 Resp: 42961
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.2 42.6



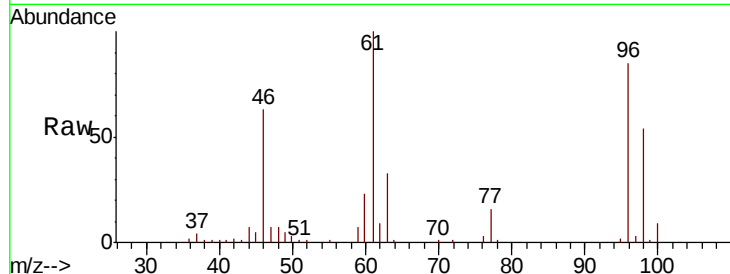


#22

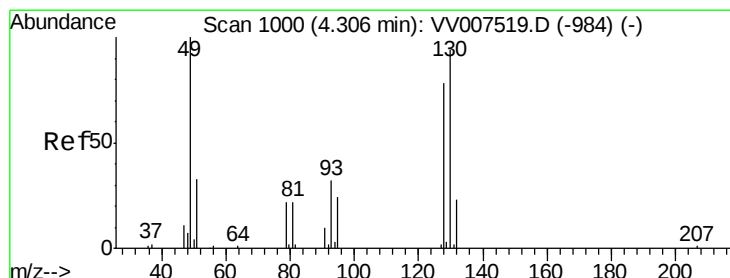
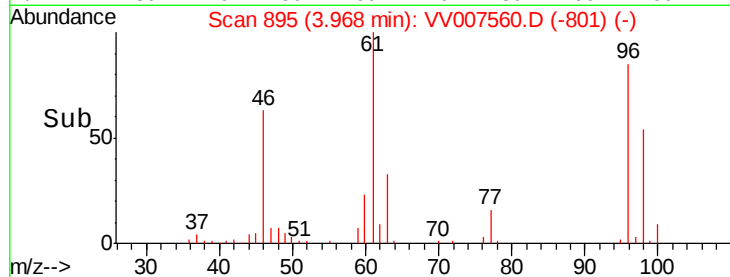
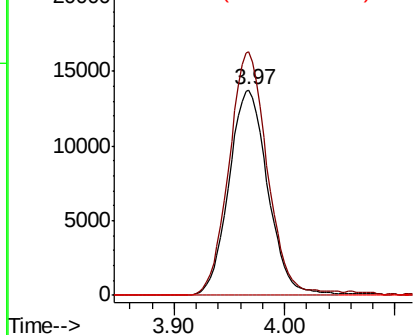
cis-1,2-Dichloroethene
 Concen: 4.966 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 33622
 Ion Ratio Lower Upper
 96 100
 61 118.3 85.3 158.5
 68 0.0 0.0 0.0



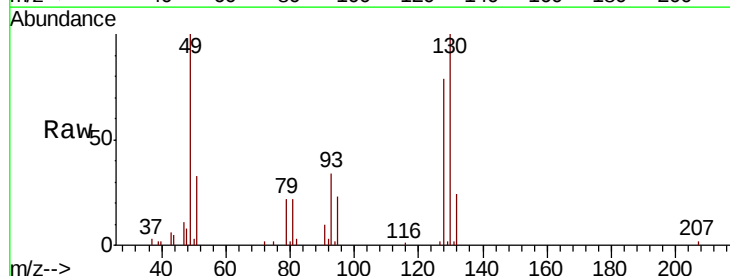
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



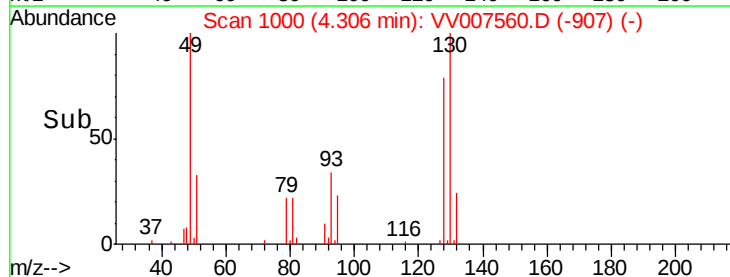
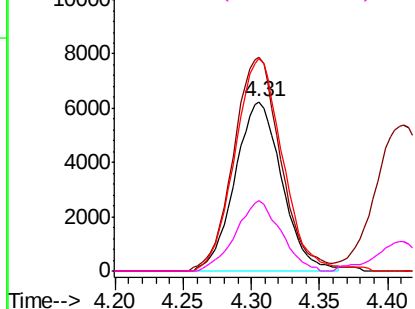
#23

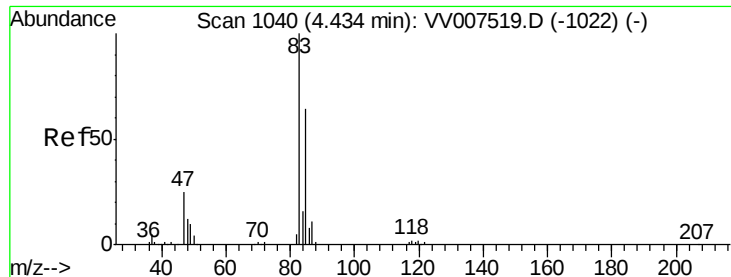
Bromochloromethane
 Concen: 5.017 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Tgt Ion: 128 Resp: 14890
 Ion Ratio Lower Upper
 128 100
 49 126.3 89.0 165.2
 130 125.7 88.8 165.0
 51 41.9 32.2 48.2



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

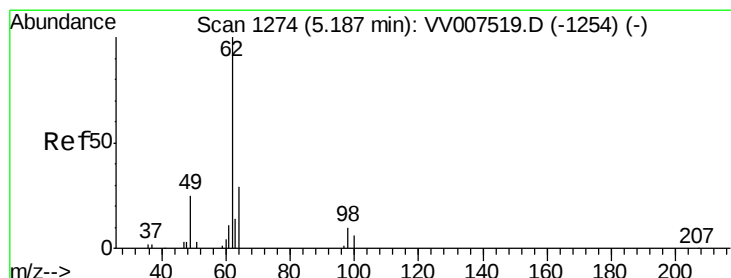
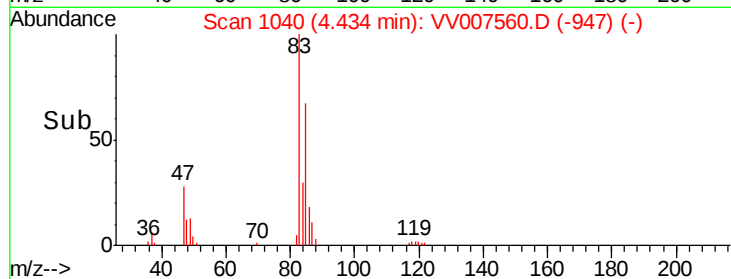
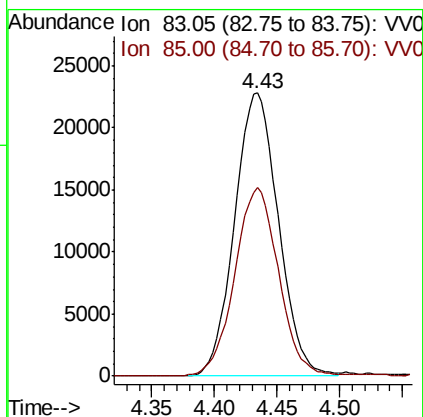
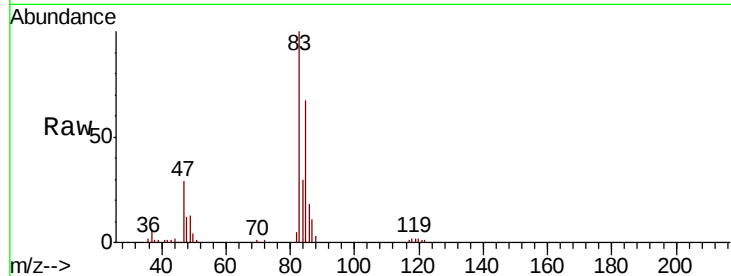




#25
Chloroform
Concen: 4.846 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

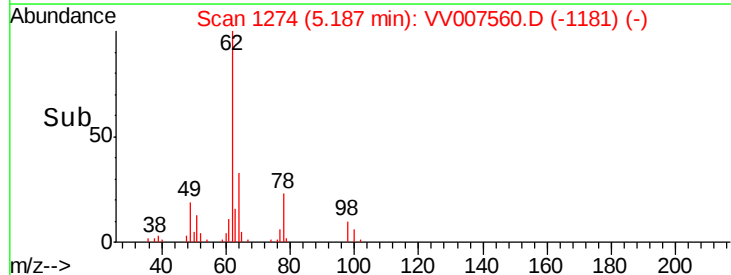
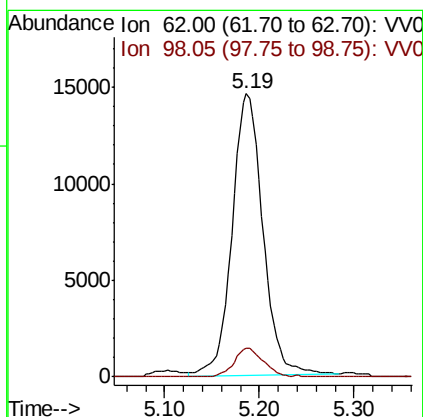
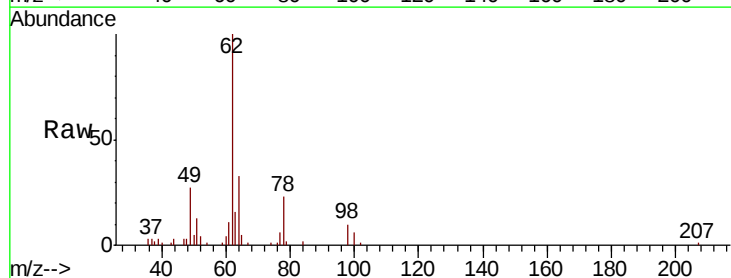
Instrument :
MSVOA_V
ClientSampled :

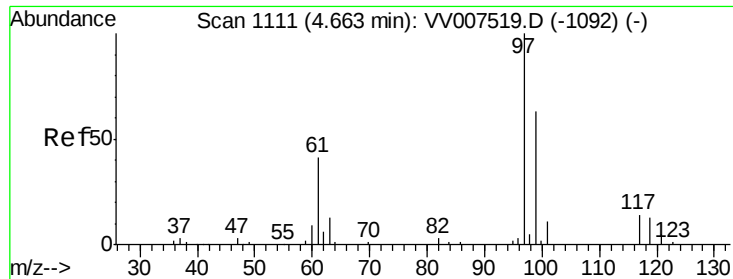
Tot Ion: 83 Resp: 55464
Ion Ratio Lower Upper
83 100
85 66.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.987 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Tgt Ion: 62 Resp: 32864
Ion Ratio Lower Upper
62 100
98 10.3 7.6 11.4

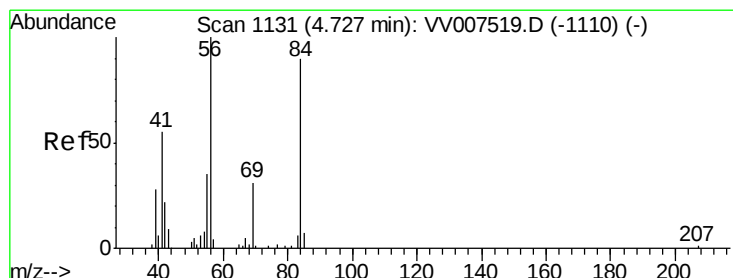
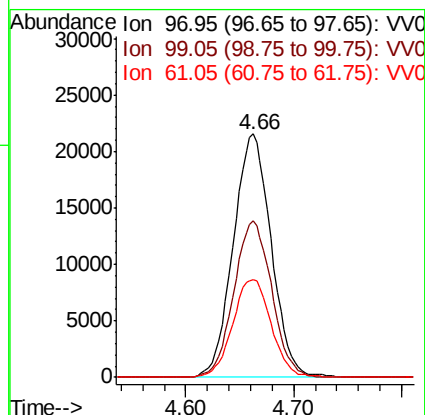
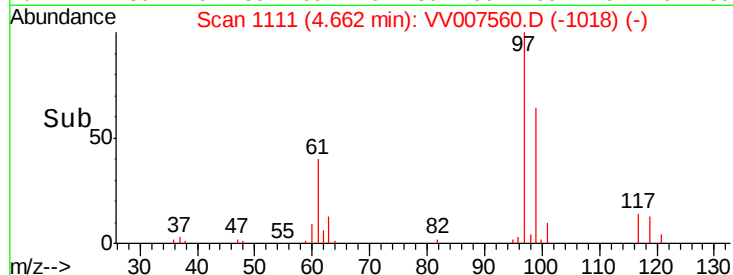
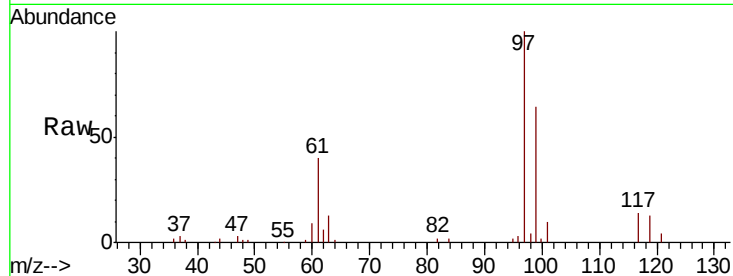




#29
 1,1,1-Trichloroethane
 Concen: 4.893 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

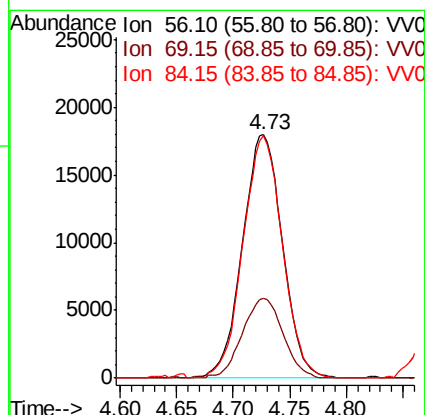
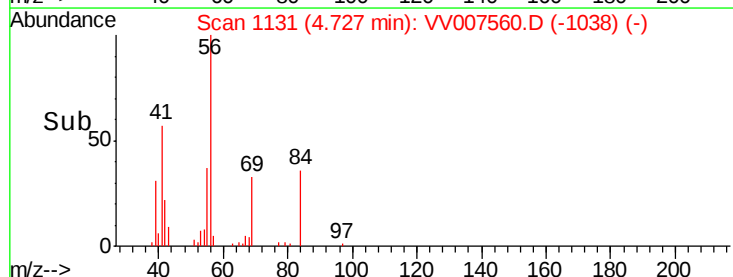
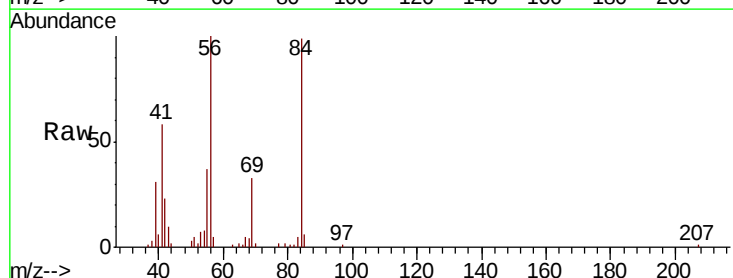
Instrument :
 MSVOA_V
 ClientSampled :

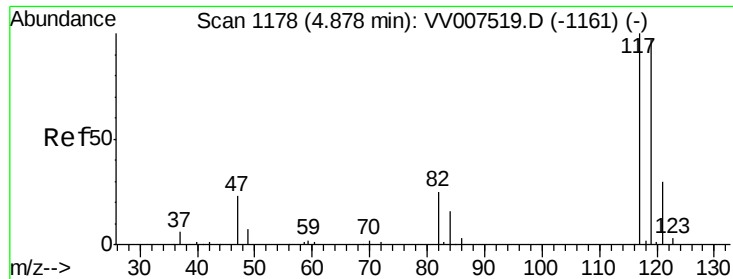
Tot Ion: 97 Resp: 52663
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.7 76.1
 61 41.0 32.5 48.7



#30
 Cyclohexane
 Concen: 4.715 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Tgt Ion: 56 Resp: 44252
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.1 39.1
 84 97.7 78.0 117.0





#31

Carbon tetrachloride

Concen: 4.907 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

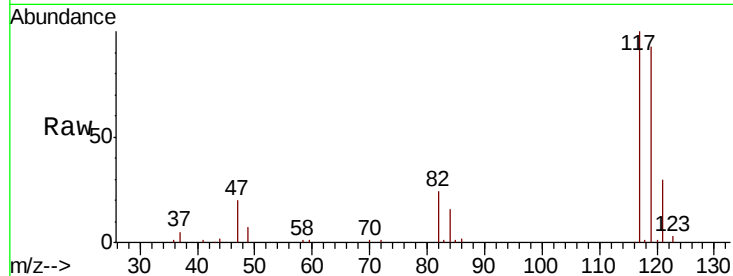
ClientSampleId :

Tot Ion:117 Resp: 49562

Ion Ratio Lower Upper

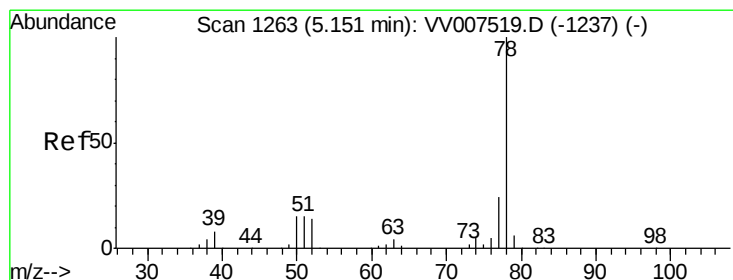
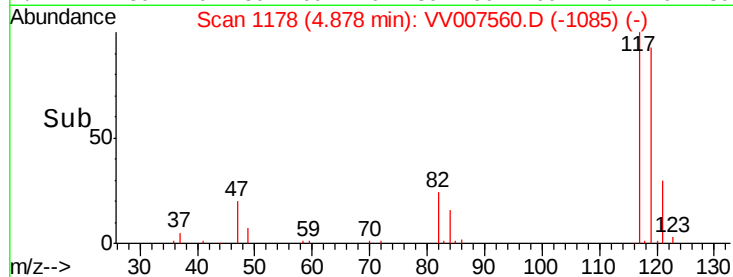
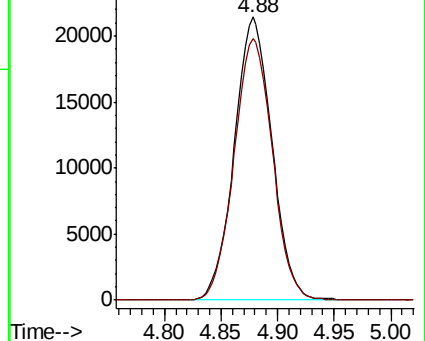
117 100

119 94.2 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.089 ug/L

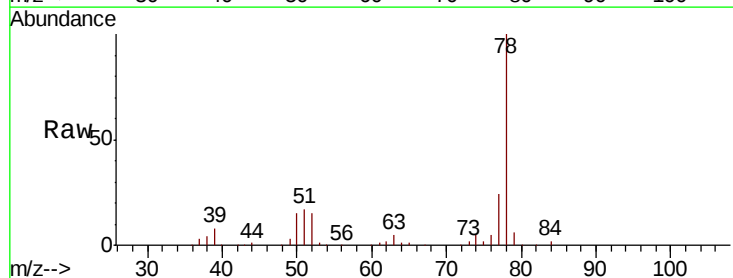
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

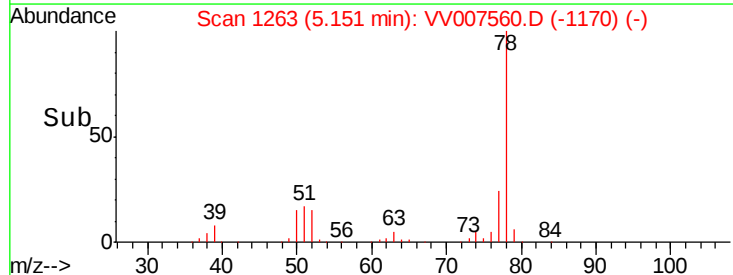
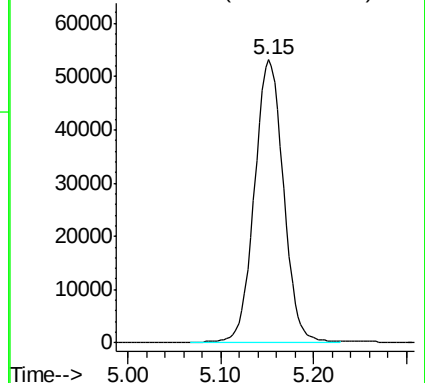
Lab File: VV007560.D

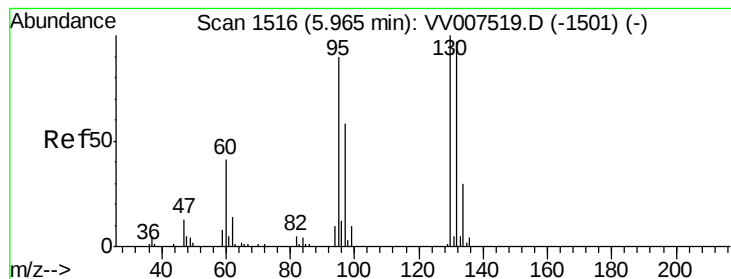
Acq: 15 Sep 2018 08:16

Tgt Ion: 78 Resp: 116305



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.146 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 36065

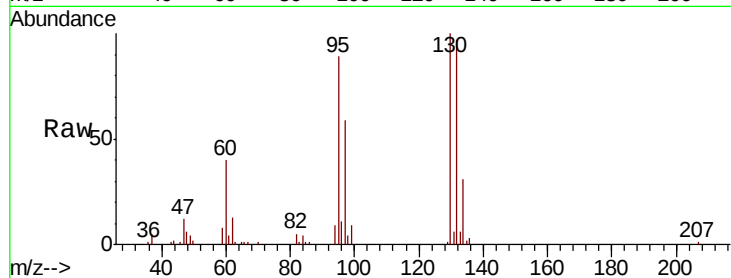
Ion Ratio Lower Upper

95 100

97 66.5 45.5 84.5

132 108.3 74.9 139.1

130 112.1 80.0 148.6

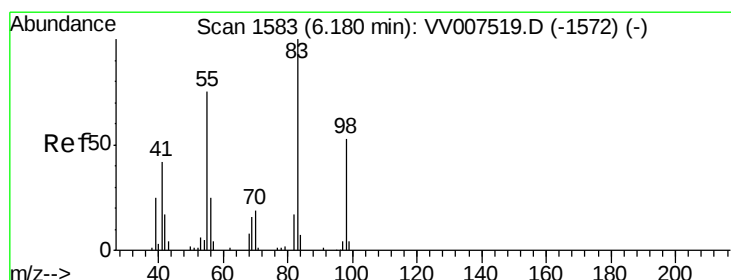
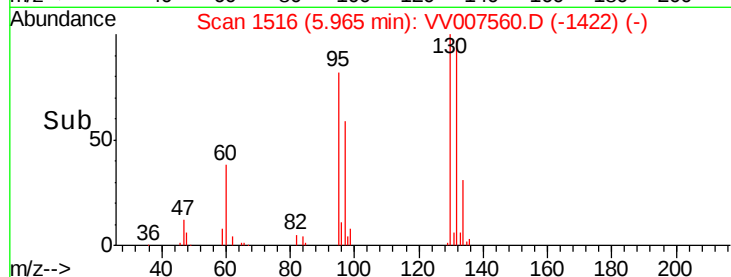
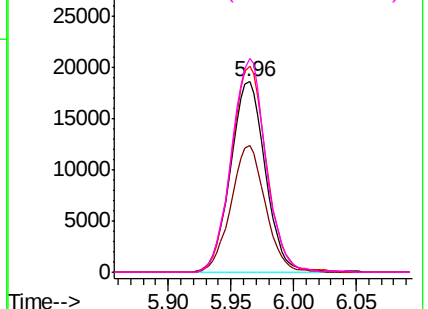


Abundance Ion 95.00 (94.70 to 95.70): VV007560.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV007560.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV007560.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV007560.D (-1422) (-)



#35

Methylcyclohexane

Concen: 4.503 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

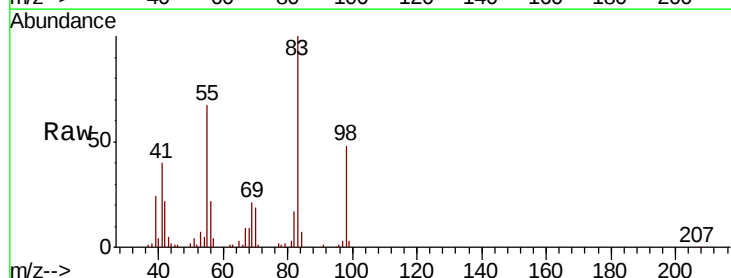
Tgt Ion: 83 Resp: 48738

Ion Ratio Lower Upper

83 100

55 68.6 55.0 82.4

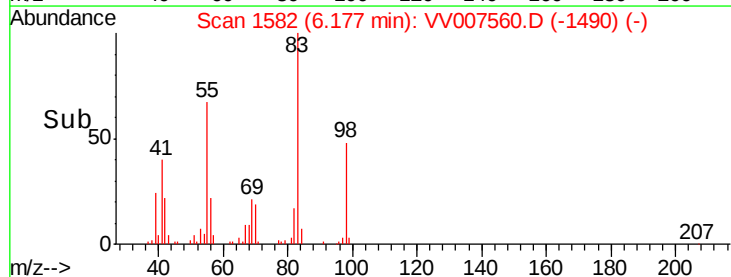
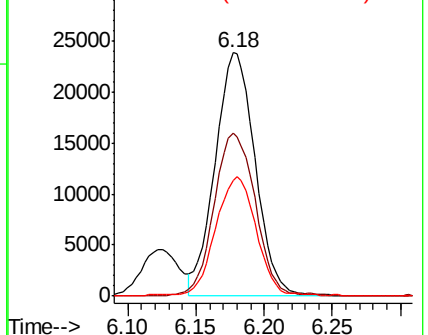
98 49.9 37.6 56.4

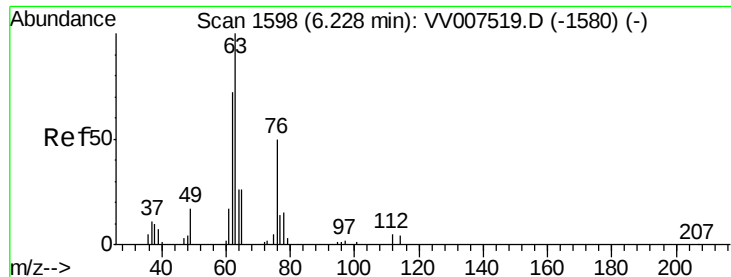


Abundance Ion 83.15 (82.85 to 83.85): VV007560.D (-1490) (-)

Ion 55.10 (54.80 to 55.80): VV007560.D (-1490) (-)

Ion 98.15 (97.85 to 98.85): VV007560.D (-1490) (-)





#37

1,2-Dichloropropane

Concen: 4.978 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

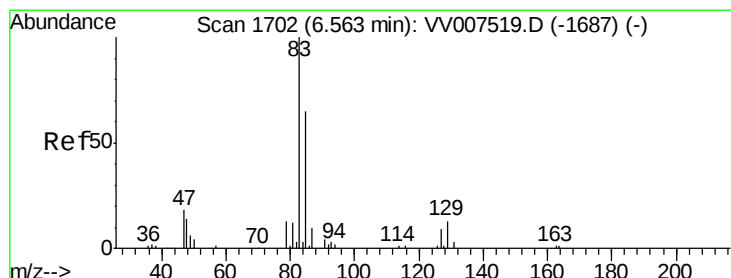
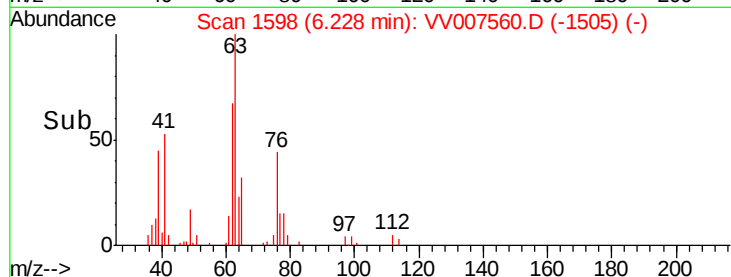
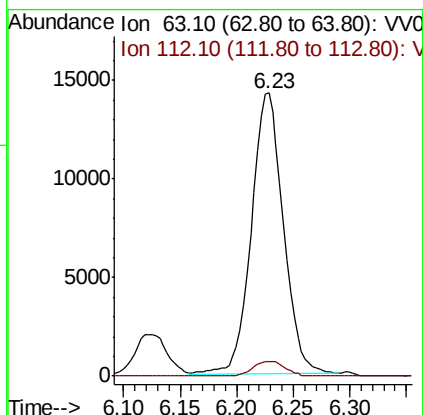
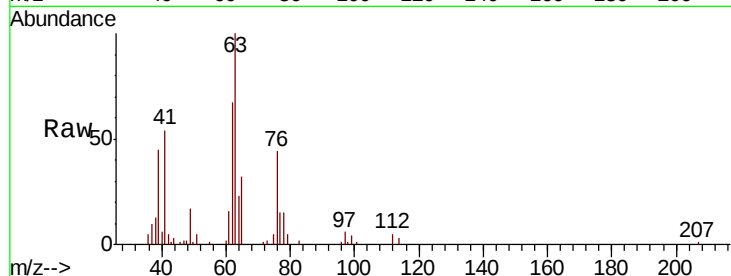
ClientSampleId :

Tot Ion: 63 Resp: 28031

Ion Ratio Lower Upper

63 100

112 5.3 4.1 6.1



#38

Bromodichloromethane

Concen: 4.652 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

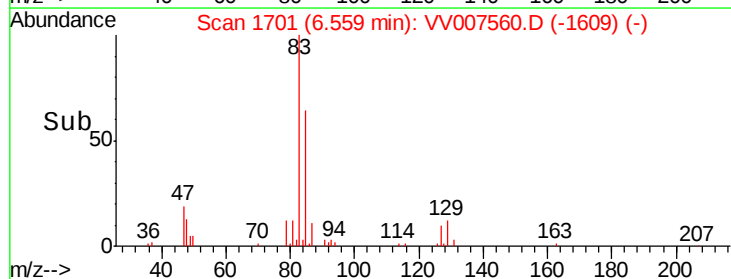
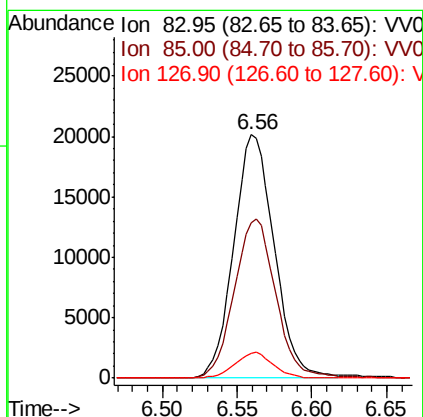
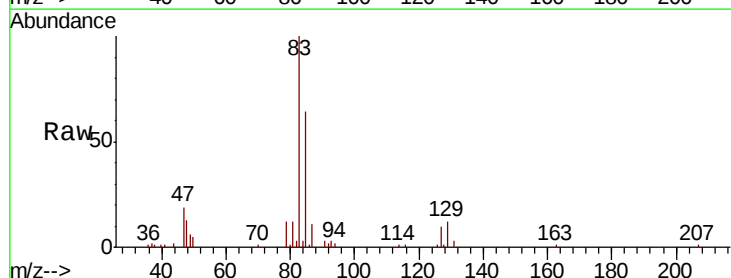
Tgt Ion: 83 Resp: 37991

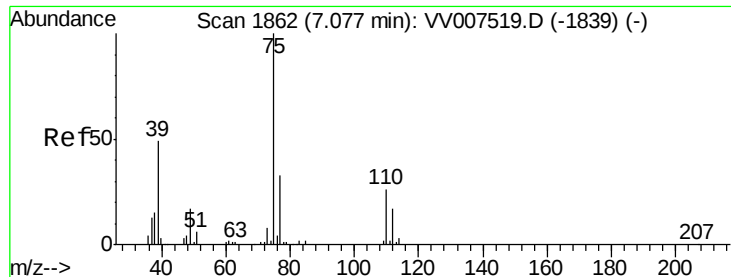
Ion Ratio Lower Upper

83 100

85 63.9 46.4 86.2

127 10.1 8.4 12.6

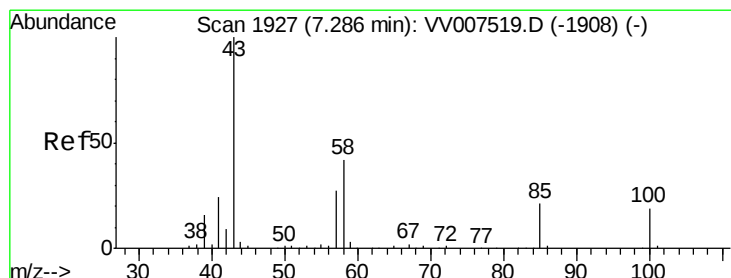
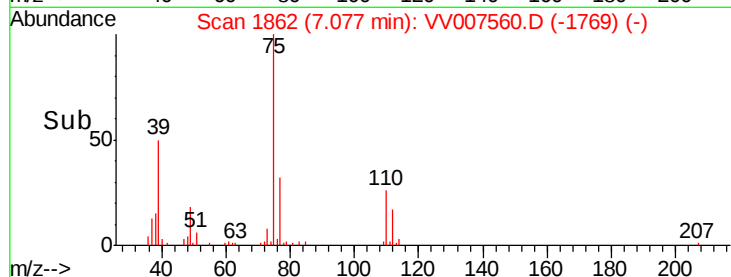
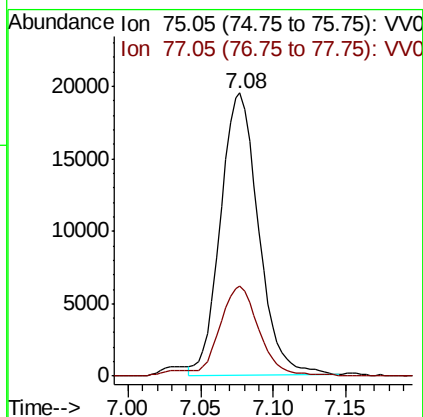
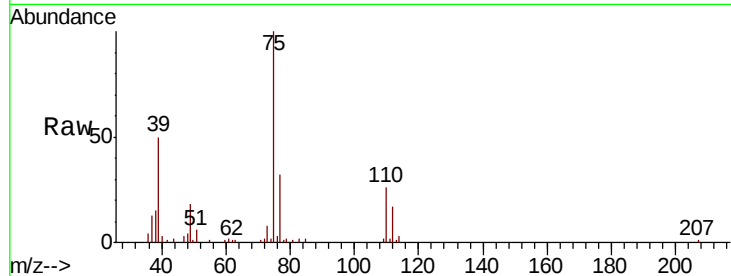




#39
 cis-1,3-Dichloropropene
 Concen: 3.950 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

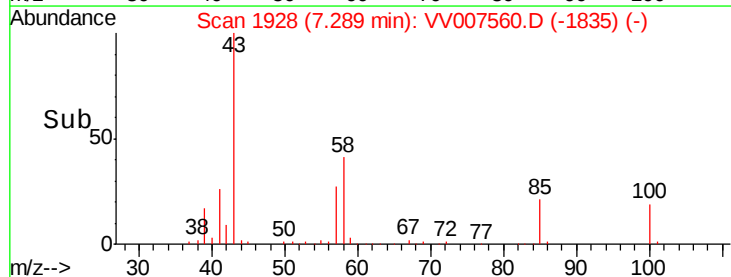
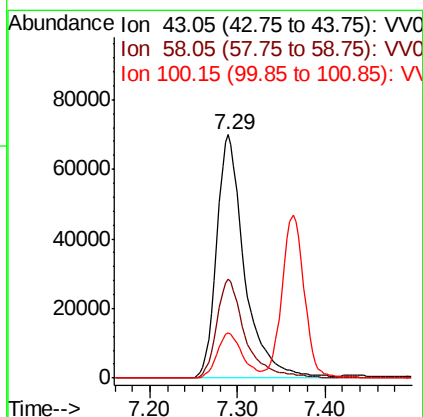
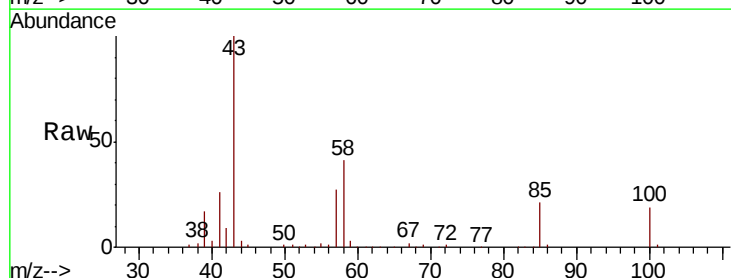
Instrument :
 MSVOA_V
 ClientSampleId :

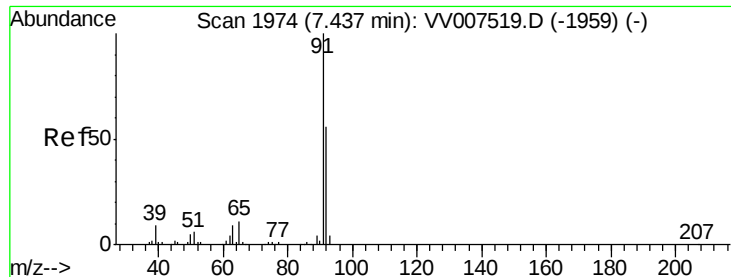
Tot Ion: 75 Resp: 35362
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 49.560 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Tgt Ion: 43 Resp: 154089
 Ion Ratio Lower Upper
 43 100
 58 41.6 32.6 49.0
 100 17.0 13.5 20.3





#42

Toluene

Concen: 4.922 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

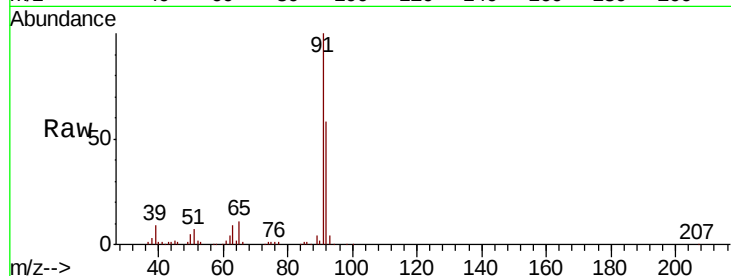
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 129954

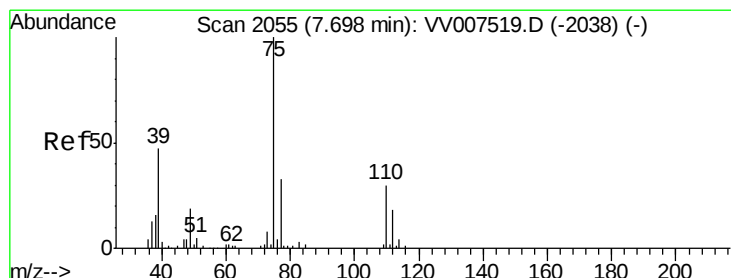
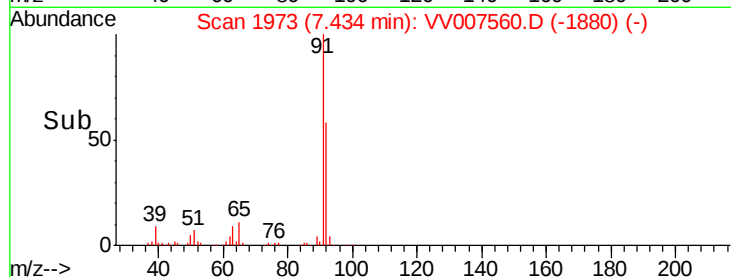
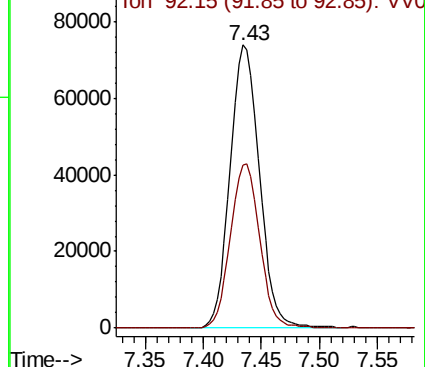
Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV007519.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 3.938 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007560.D

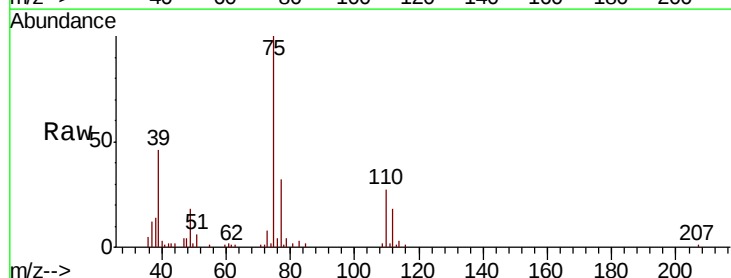
Acq: 15 Sep 2018 08:16

Tgt Ion: 75 Resp: 29007

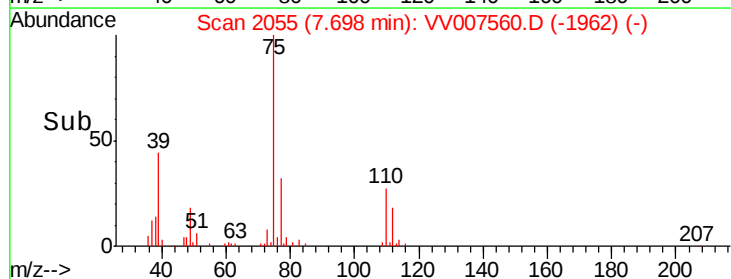
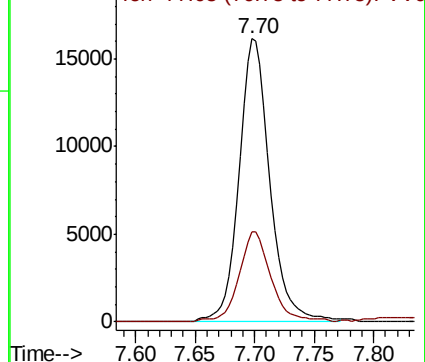
Ion Ratio Lower Upper

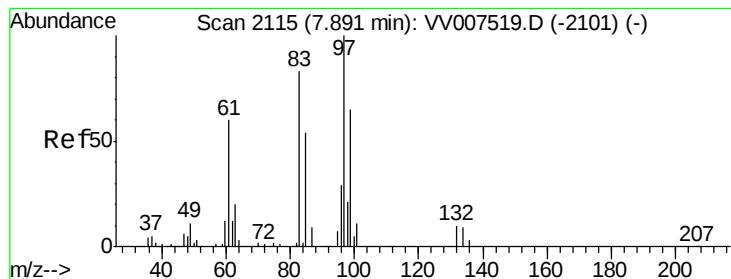
75 100

77 31.7 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VV007519.D (-2038) (-)





#45

1,1,2-Trichloroethane

Concen: 5.161 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 21702

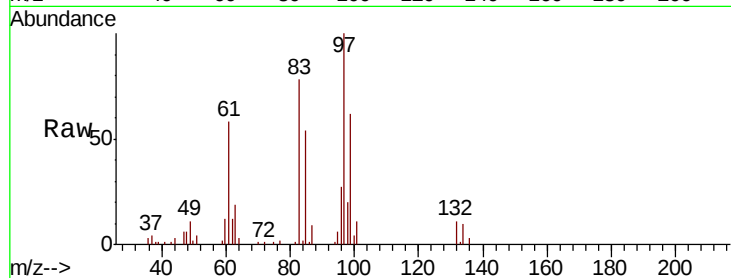
Ion Ratio Lower Upper

97 100

99 62.1 42.9 79.7

83 77.8 58.1 107.9

85 53.9 38.3 71.1

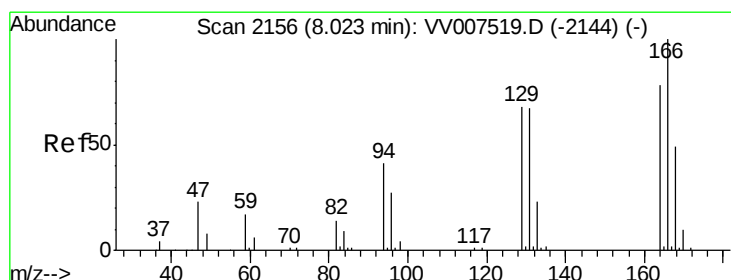
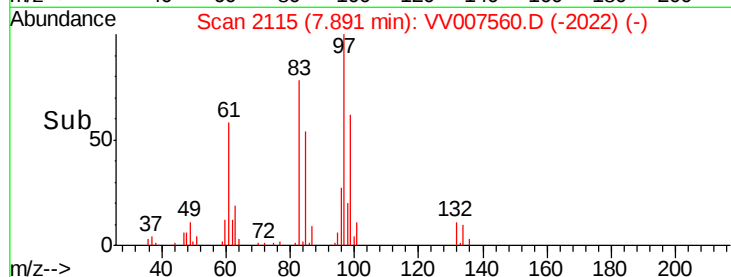
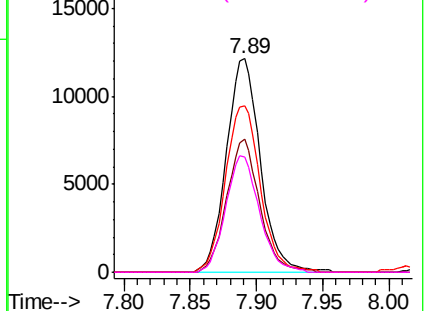


Abundance Ion 96.95 (96.65 to 97.65): VV007519.D (-2101) (-)

Ion 99.05 (98.75 to 99.75): VV007519.D (-2101) (-)

Ion 82.95 (82.65 to 83.65): VV007519.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV007519.D (-2101) (-)



#47

Tetrachloroethene

Concen: 4.883 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Tgt Ion: 164 Resp: 30732

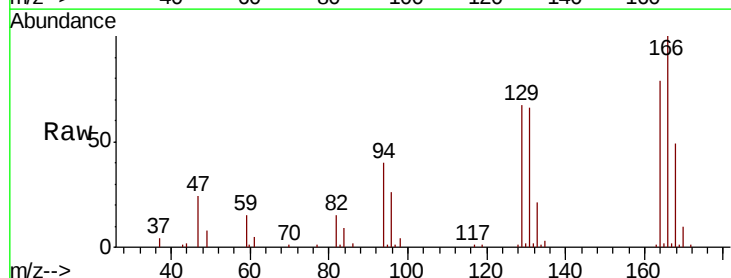
Ion Ratio Lower Upper

164 100

129 85.1 61.9 115.1

131 83.5 62.1 115.3

166 126.2 90.4 167.8

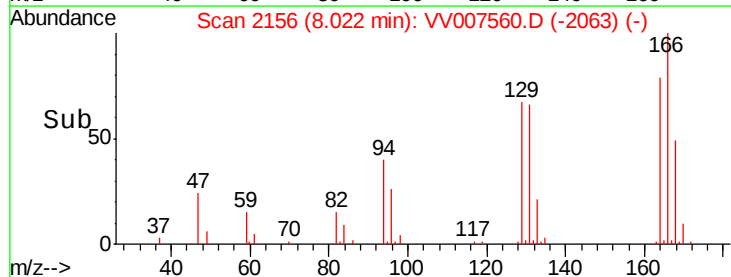
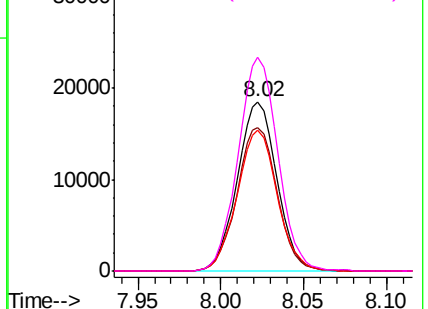


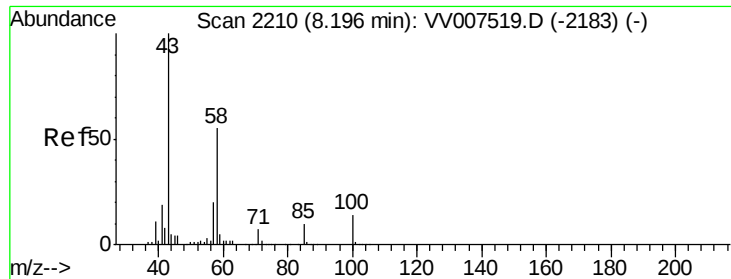
Abundance Ion 163.90 (163.60 to 164.60): VV007519.D (-2144) (-)

Ion 128.95 (128.65 to 129.65): VV007519.D (-2144) (-)

Ion 130.95 (130.65 to 131.65): VV007519.D (-2144) (-)

Ion 165.90 (165.60 to 166.60): VV007519.D (-2144) (-)

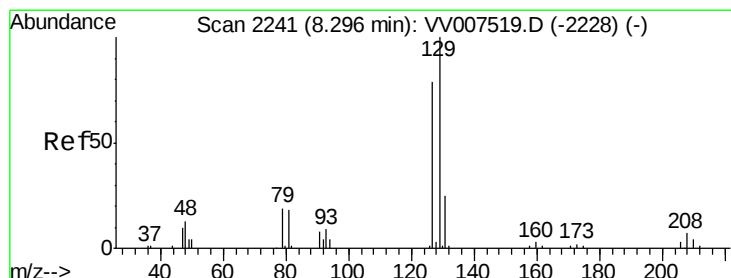
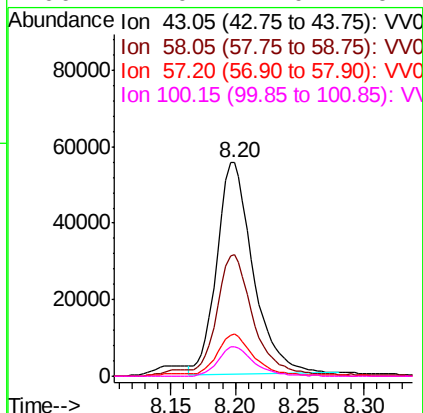
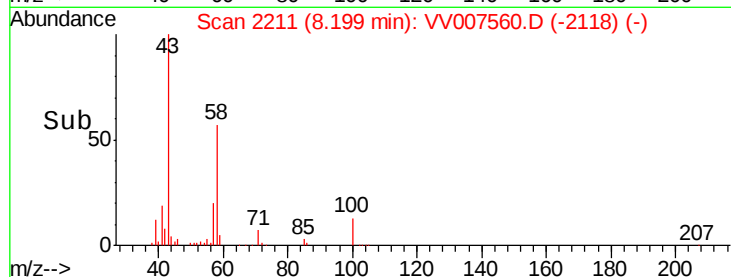
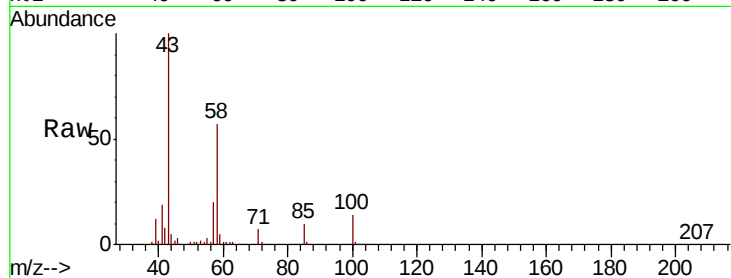




#48
2-Hexanone
Concen: 46.013 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

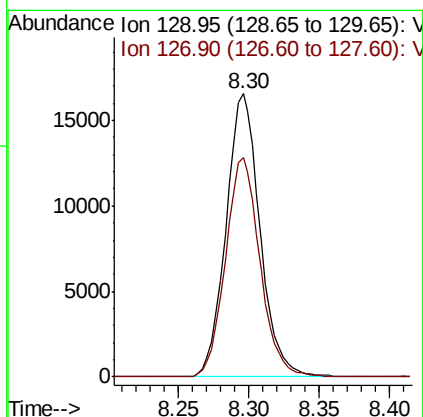
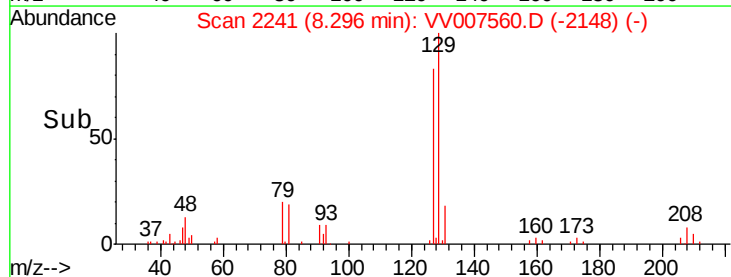
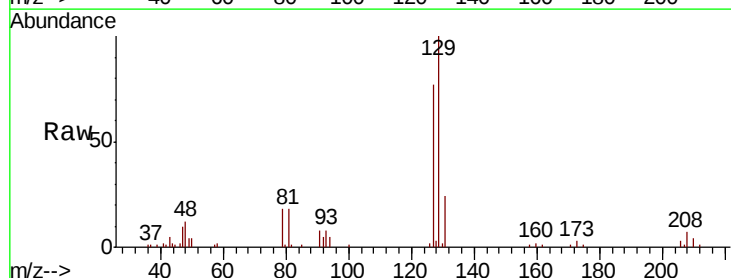
Instrument :
MSVOA_V
ClientSampleId :

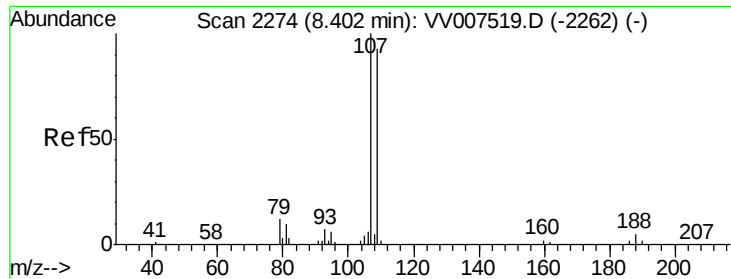
Tot Ion: 43 Resp: 108611
Ion Ratio Lower Upper
43 100
58 56.2 49.8 74.6
57 19.4 18.2 27.4
100 14.0 11.0 16.4



#49
Dibromochloromethane
Concen: 4.657 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Tgt Ion: 129 Resp: 27872
Ion Ratio Lower Upper
129 100
127 77.5 53.8 100.0





#50

1,2-Dibromoethane

Concen: 5.052 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

ClientSampleId :

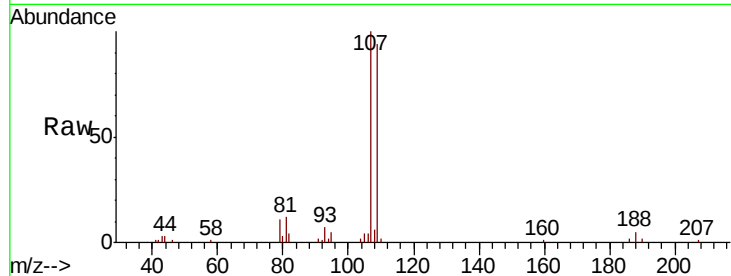
Tot Ion:107 Resp: 20627

Ion Ratio Lower Upper

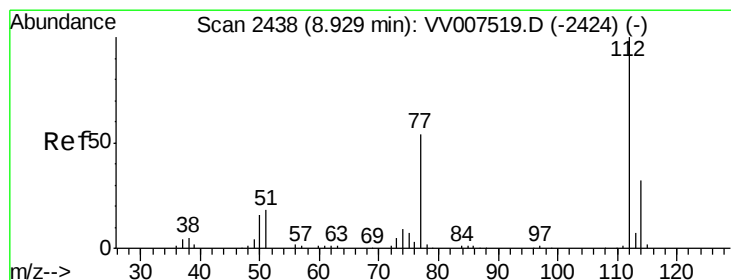
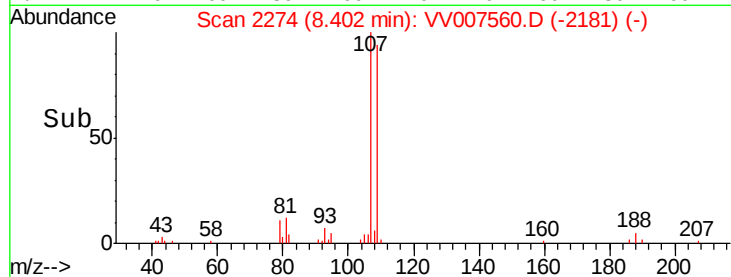
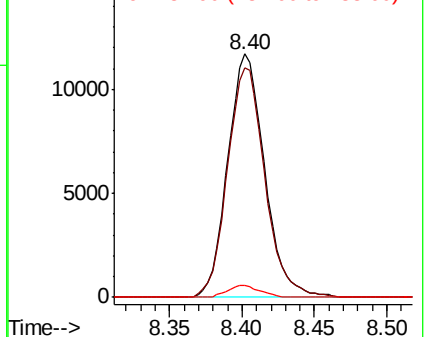
107 100

109 94.4 66.0 122.6

188 4.7 3.3 4.9



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: 4.896 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

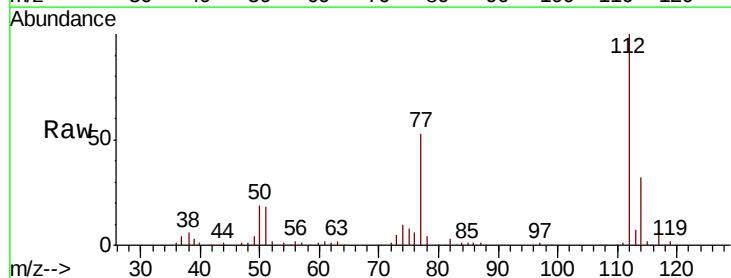
Tgt Ion:112 Resp: 86935

Ion Ratio Lower Upper

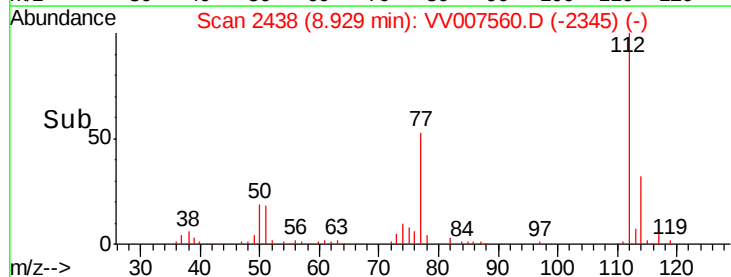
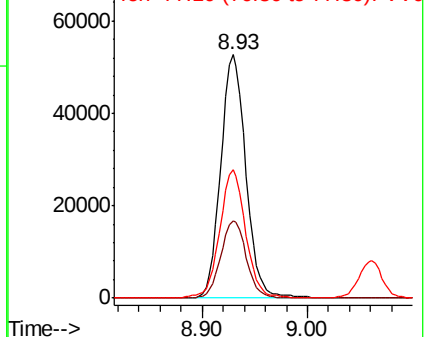
112 100

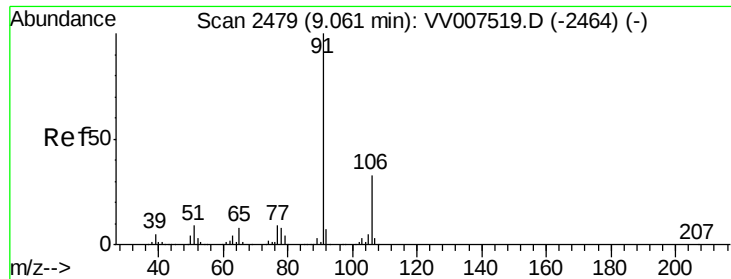
114 32.0 22.8 42.4

77 52.9 43.2 64.8



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: 4.785 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

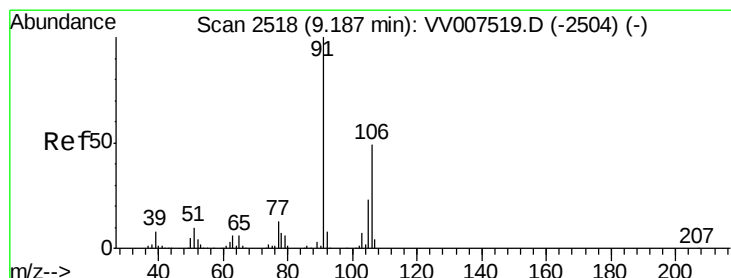
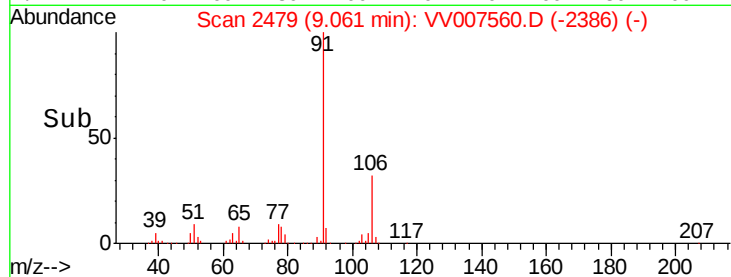
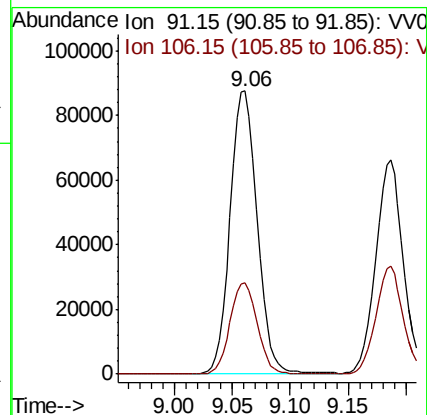
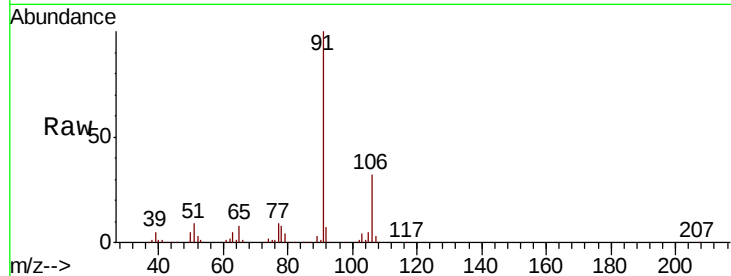
ClientSampleId :

Tot Ion: 91 Resp: 142289

Ion Ratio Lower Upper

91 100

106 32.2 22.0 41.0



#53

m,p-xylene

Concen: 4.798 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007560.D

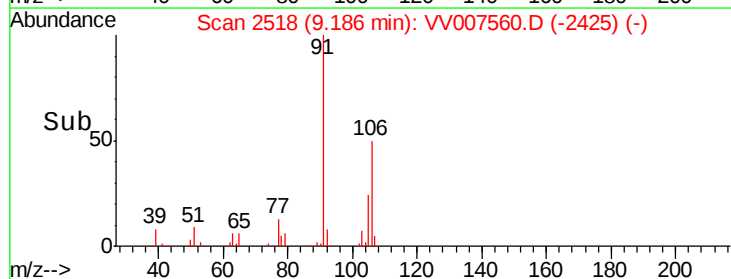
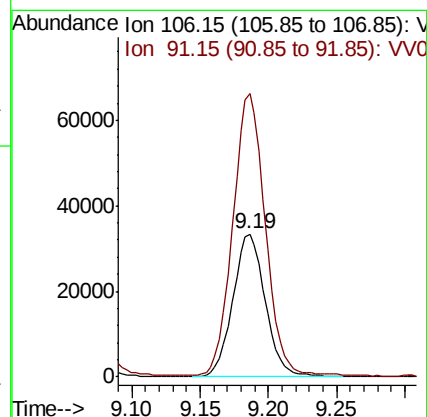
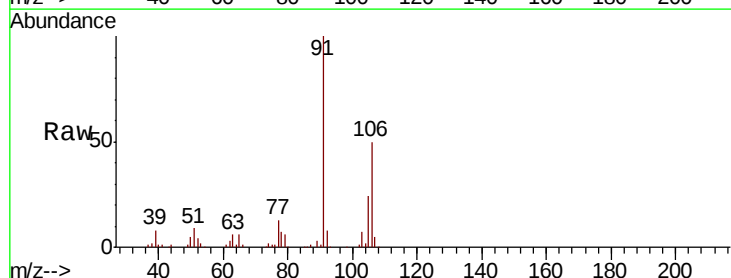
Acq: 15 Sep 2018 08:16

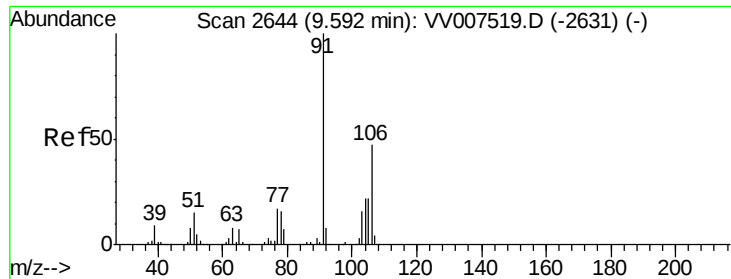
Tgt Ion: 106 Resp: 55283

Ion Ratio Lower Upper

106 100

91 198.2 137.2 254.8

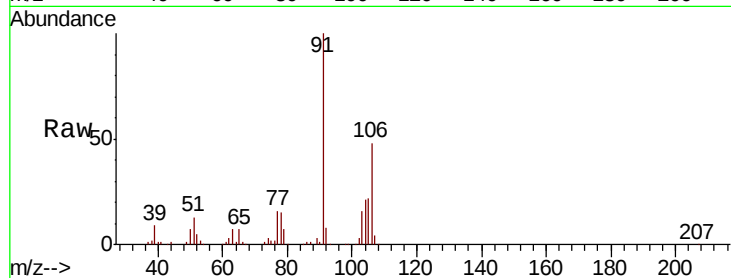




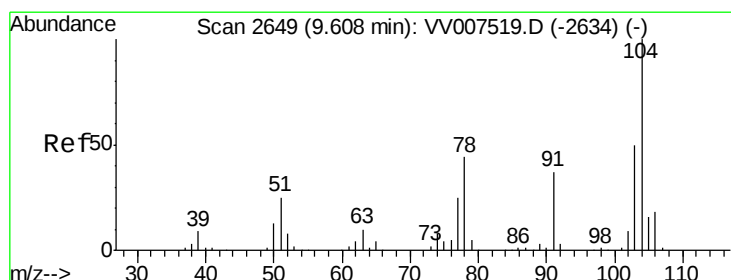
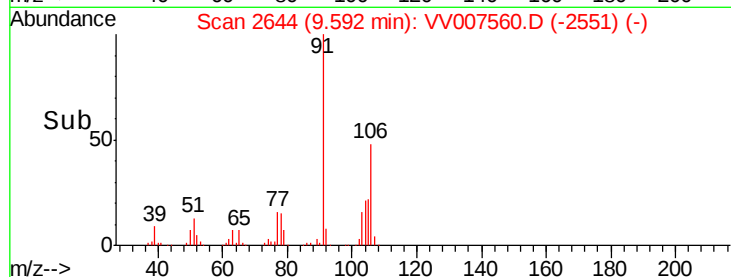
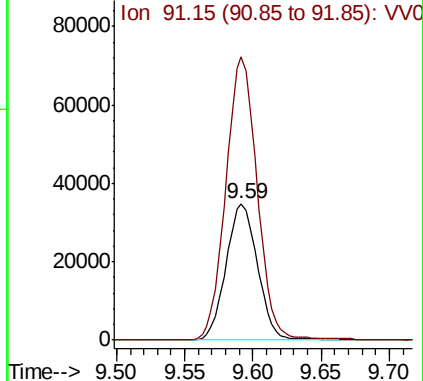
#54
o-xylene
Concen: 4.974 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 56116
Ion Ratio Lower Upper
106 100
91 207.4 147.6 274.0

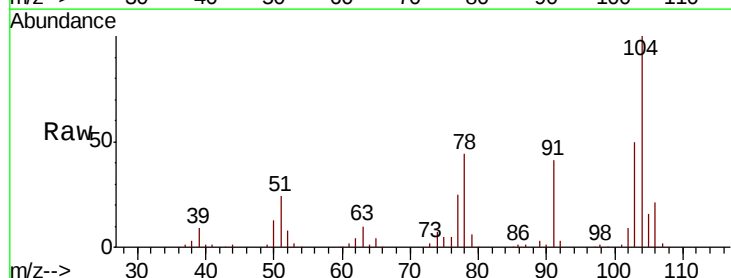


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

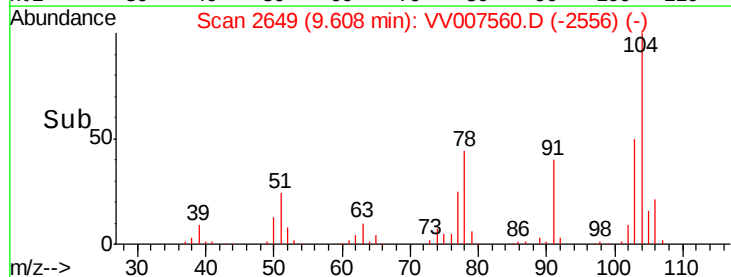
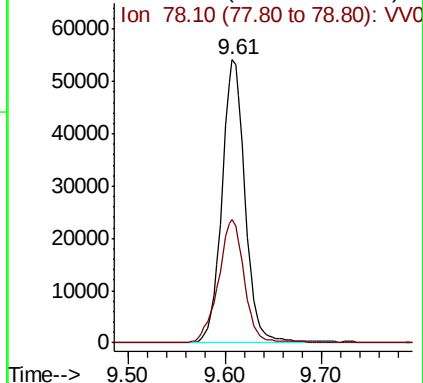


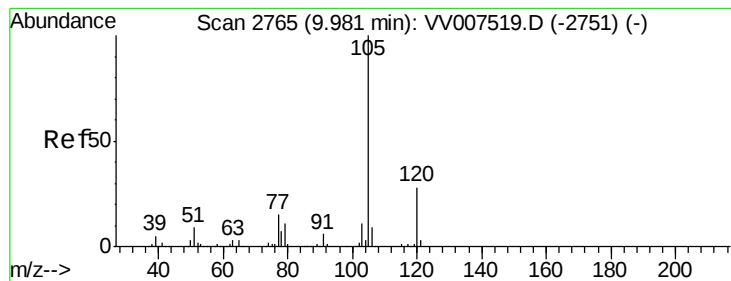
#55
Styrene
Concen: 4.905 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007560.D
Acq: 15 Sep 2018 08:16

Tgt Ion:104 Resp: 90152
Ion Ratio Lower Upper
104 100
78 43.7 29.5 54.7



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





#56

Isopropylbenzene

Concen: 4.752 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :
MSVOA_V
ClientSampleId :

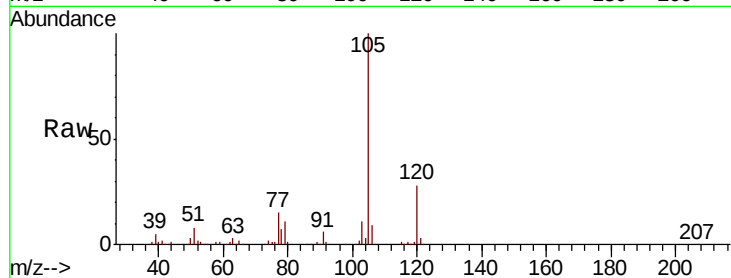
Tot Ion:105 Resp: 145574

Ion Ratio Lower Upper

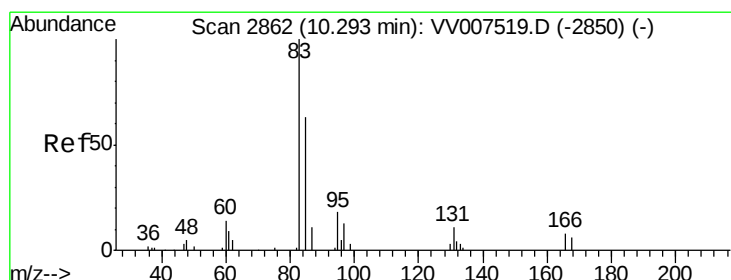
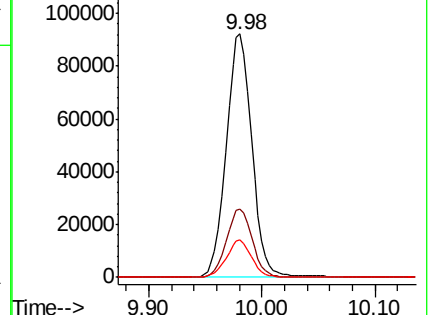
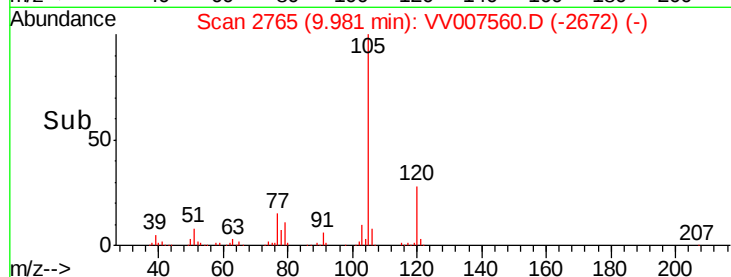
105 100

120 28.3 22.2 33.2

77 15.1 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.745 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

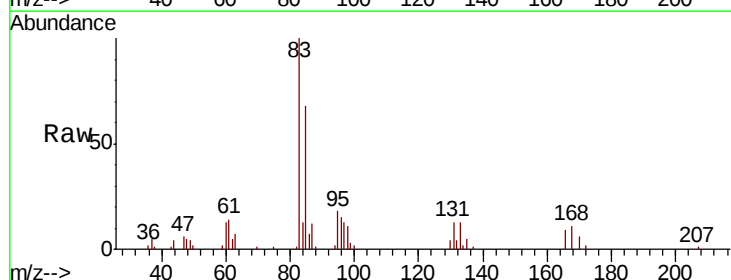
Tgt Ion: 83 Resp: 19547

Ion Ratio Lower Upper

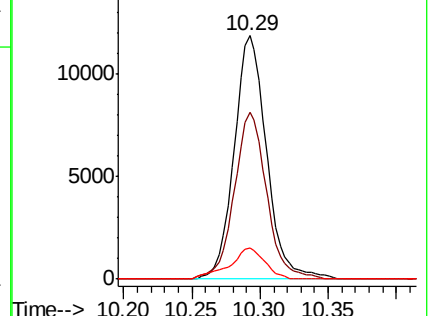
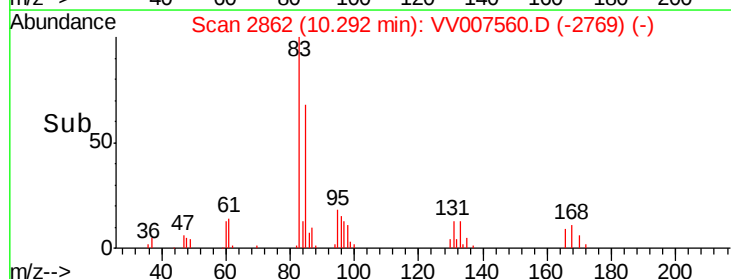
83 100

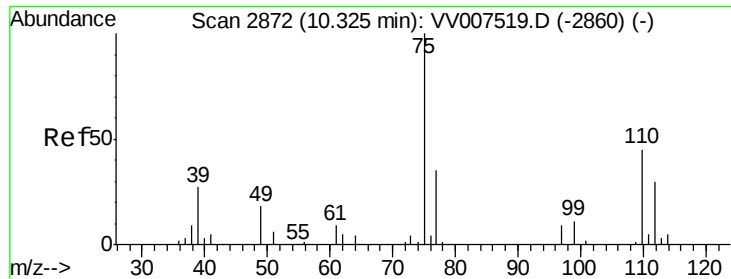
85 68.3 43.6 81.0

131 12.6 9.2 13.8



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V

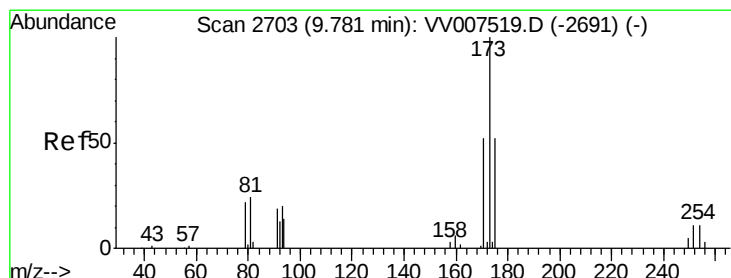
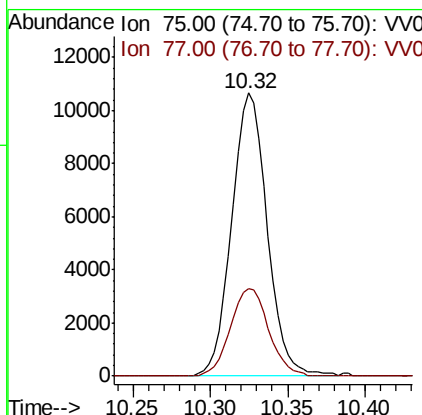
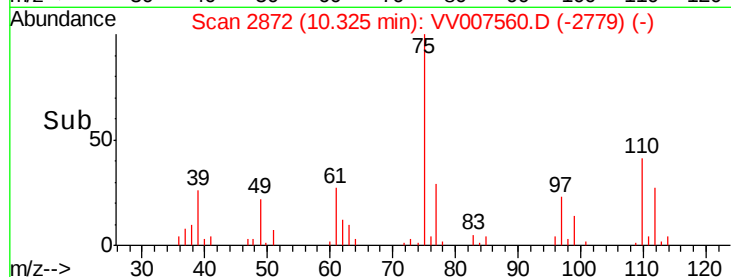
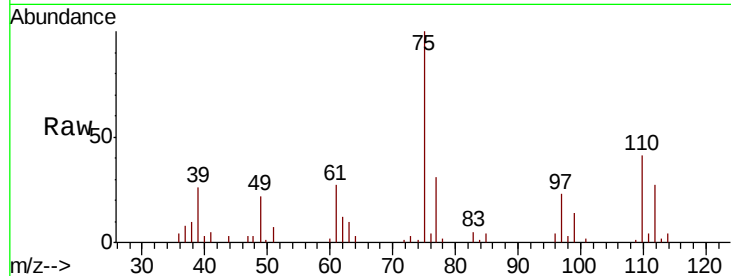




#59
 1,2,3-Trichloropropane
 Concen: 4.931 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

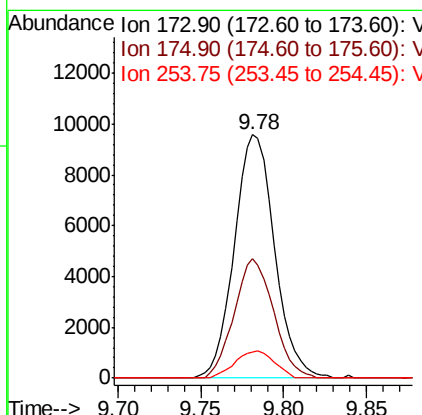
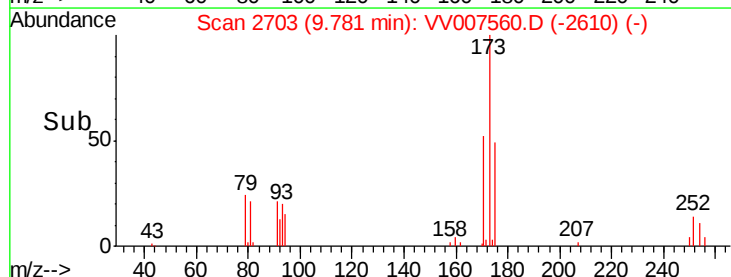
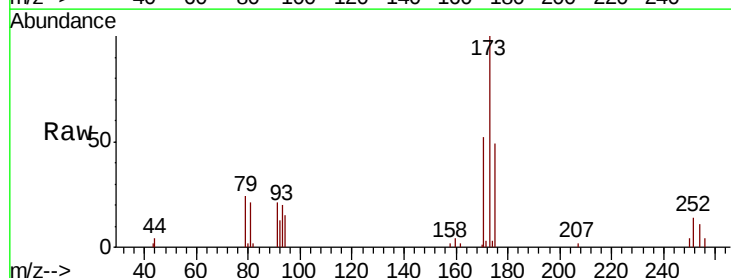
Instrument :
 MSVOA_V
 ClientSampled :

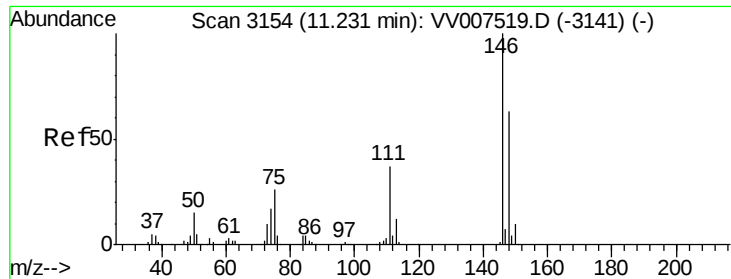
Tot Ion: 75 Resp: 16980
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.0 37.6



#61
 Bromoform
 Concen: 5.052 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Tgt Ion: 173 Resp: 16203
 Ion Ratio Lower Upper
 173 100
 175 47.7 37.9 56.9
 254 11.0 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 5.145 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

ClientSampled :

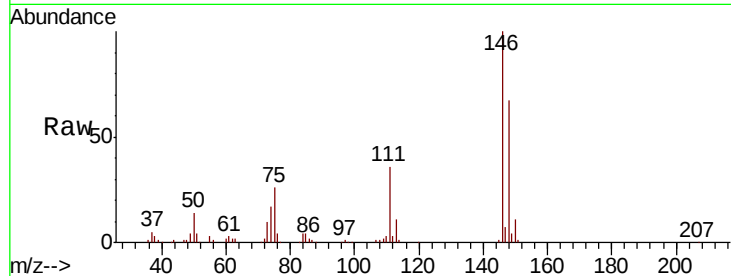
Tot Ion:146 Resp: 70234

Ion Ratio Lower Upper

146 100

111 36.3 25.3 47.1

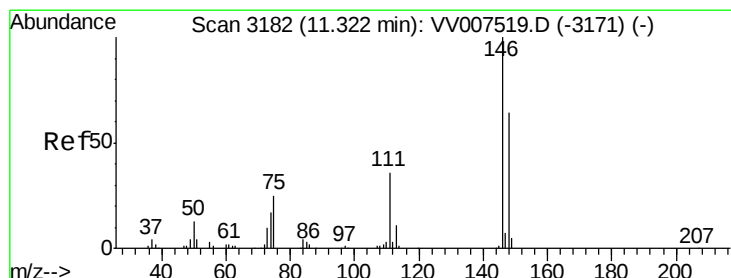
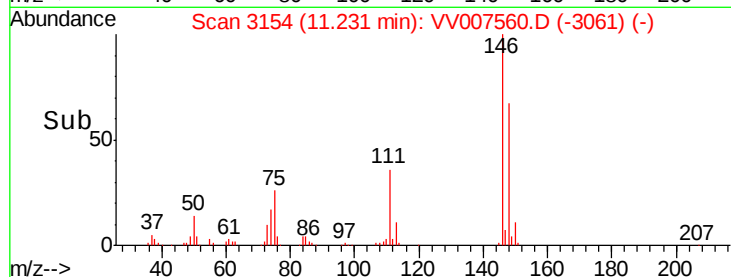
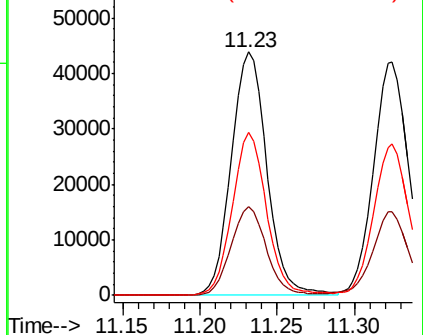
148 66.7 44.6 82.8



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: 5.029 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

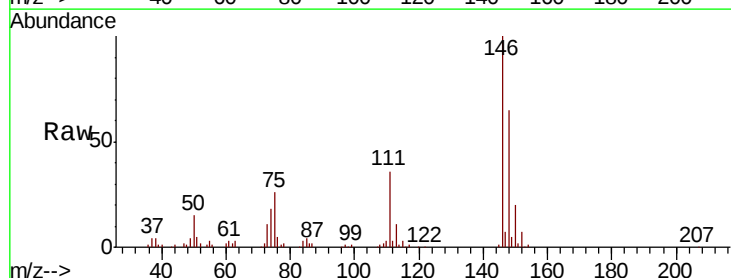
Tgt Ion:146 Resp: 68643

Ion Ratio Lower Upper

146 100

111 35.8 24.5 45.5

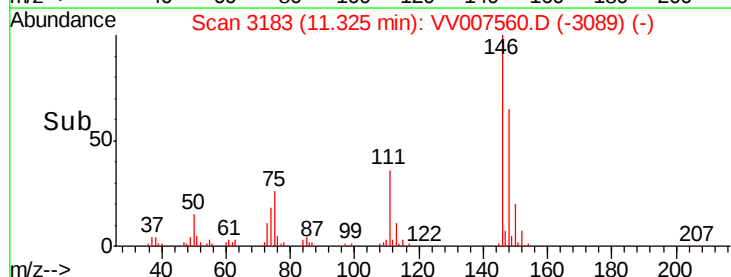
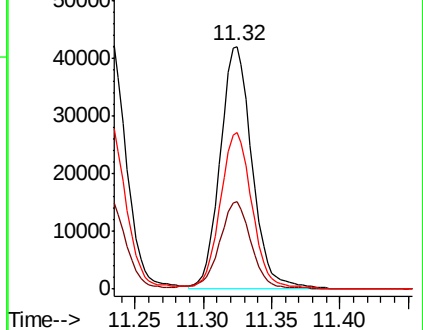
148 64.8 45.1 83.9

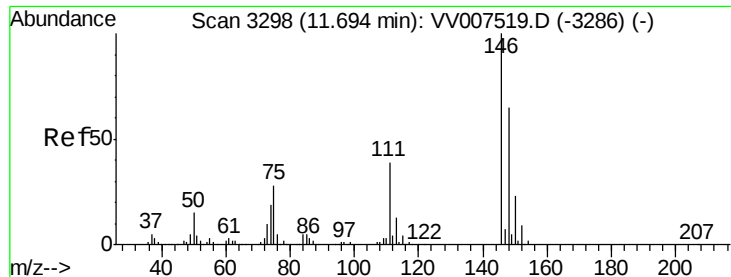


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.331 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

ClientSampleId :

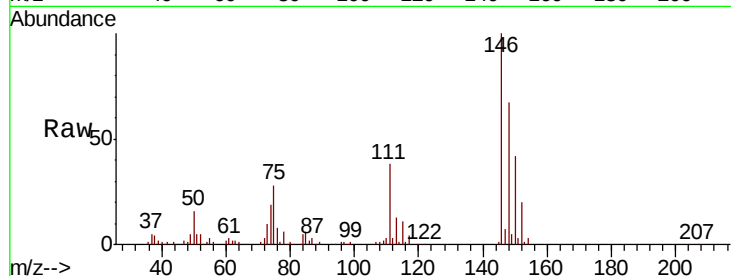
Tot Ion:146 Resp: 67727

Ion Ratio Lower Upper

146 100

111 37.7 32.7 49.1

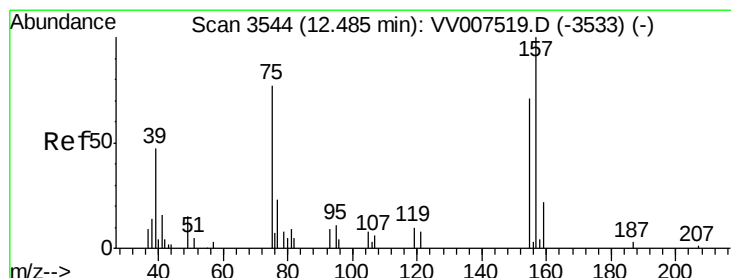
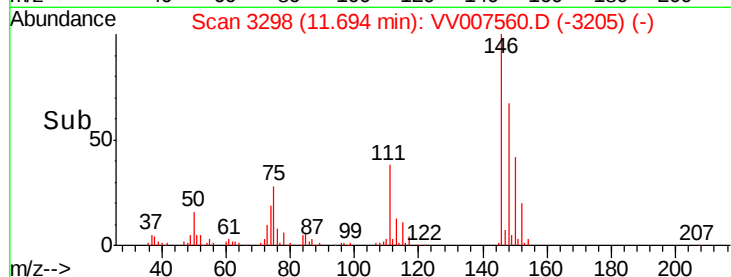
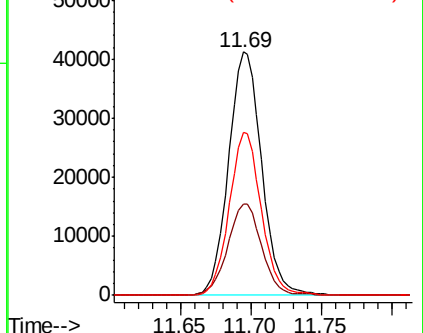
148 67.1 53.0 79.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.983 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

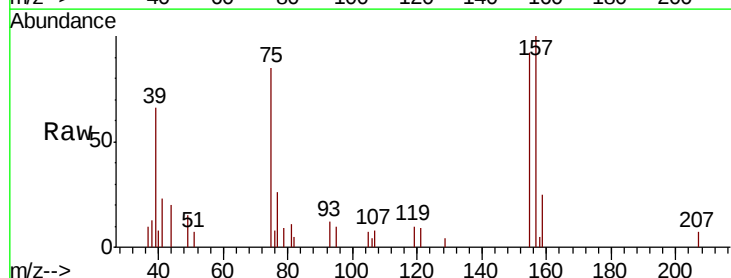
Tgt Ion: 75 Resp: 3257

Ion Ratio Lower Upper

75 100

155 108.9 74.6 111.8

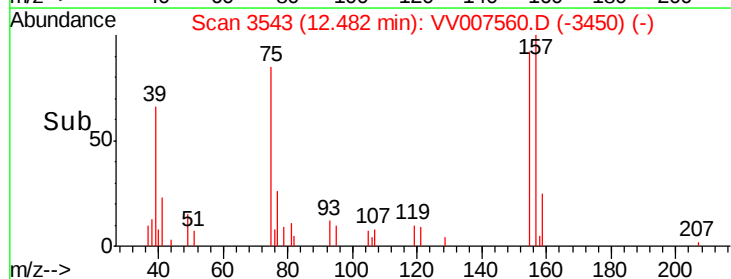
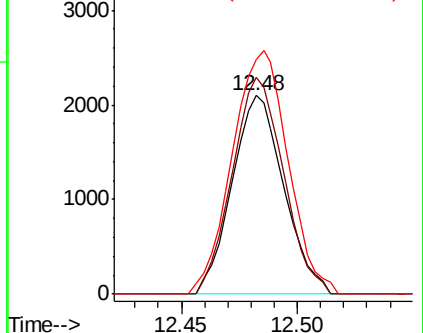
157 118.2 97.4 146.2

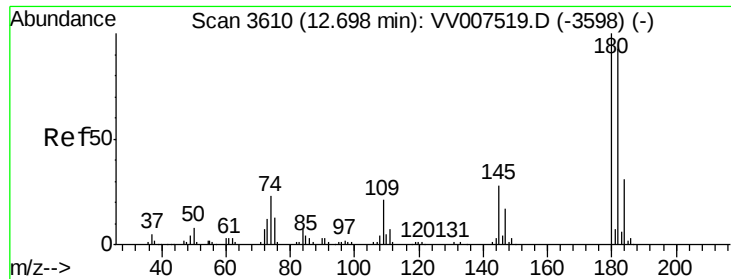


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

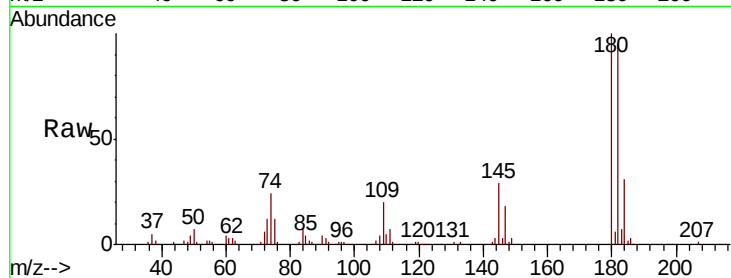




#67
 1,3,5-Trichlorobenzene
 Concen: 4.754 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	31.0	24.0	36.0
145	28.1	22.6	34.0



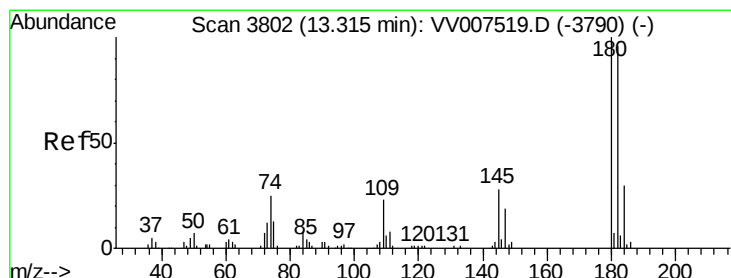
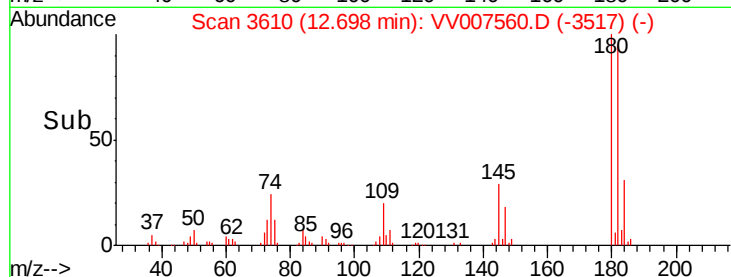
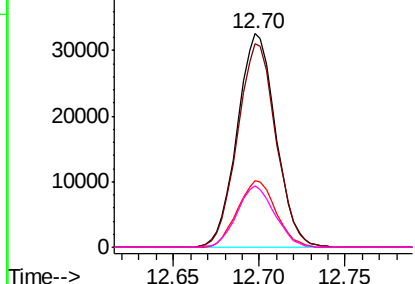
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

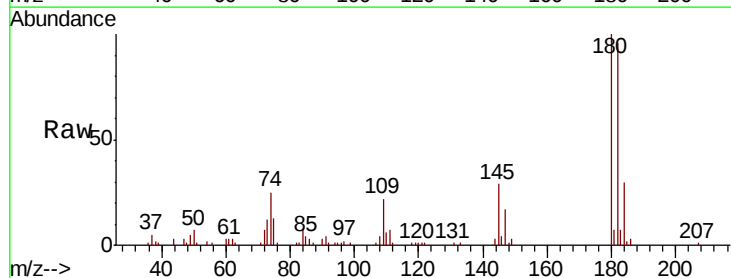
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.731 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007560.D
 Acq: 15 Sep 2018 08:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.8	116.8
145	28.9	22.5	33.7

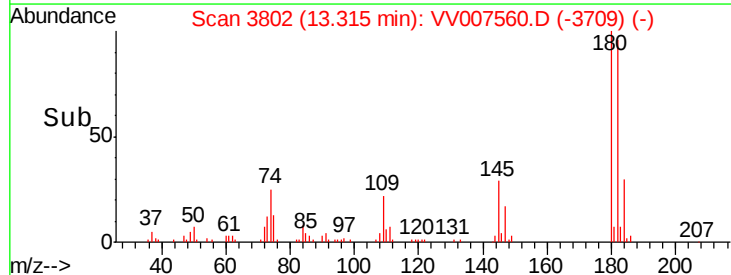
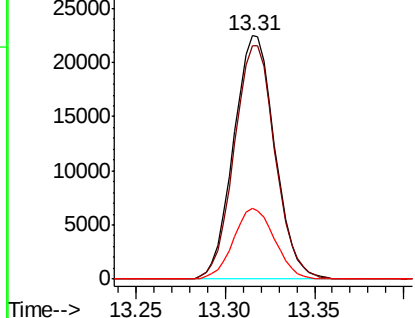


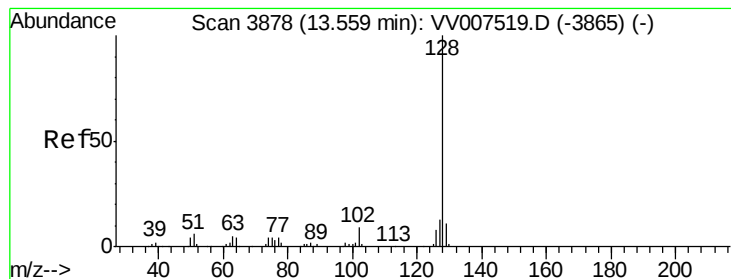
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.327 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

Instrument :

MSVOA_V

ClientSampleId :

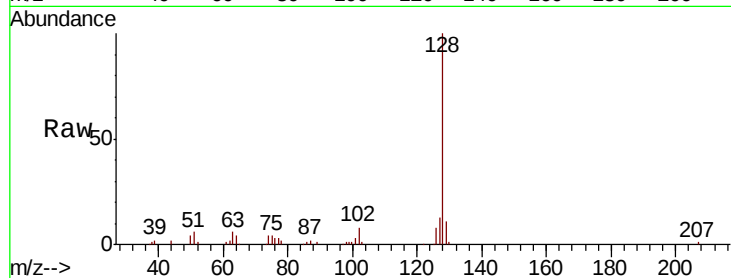
Tot Ion:128 Resp: 49476

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

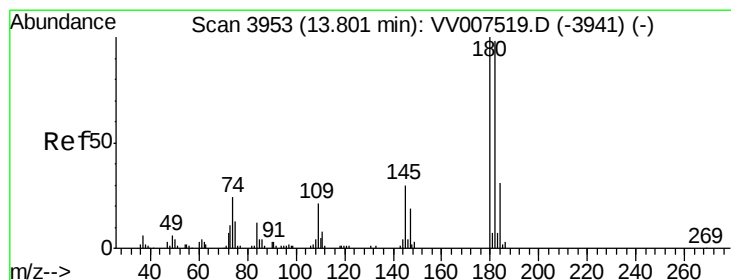
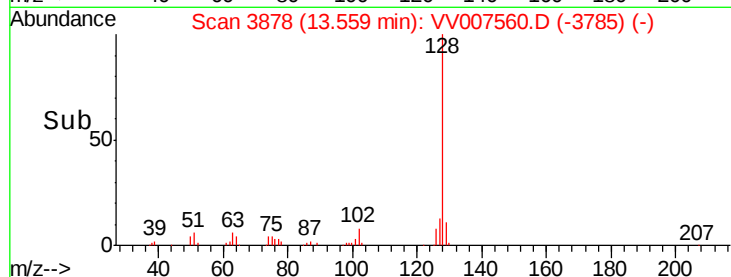
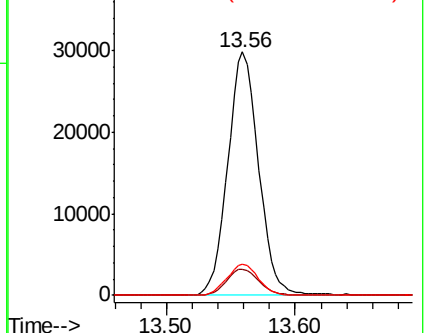
127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.998 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007560.D

Acq: 15 Sep 2018 08:16

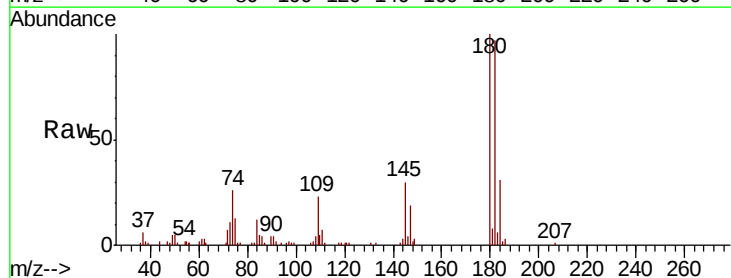
Tgt Ion:180 Resp: 34965

Ion Ratio Lower Upper

180 100

182 95.9 75.5 113.3

145 29.0 23.4 35.0



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

