

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007476.D
 Acq On : 12 Sep 2018 14:48
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Quant Time: Sep 13 03:15:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 02:33:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	147946	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	130663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68270	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39953	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.58	69	32630	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	77401	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	3.97	46	82926	48.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.28%
24) Chloroform-d	4.41	84	78619	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.09	65	40306	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.10	84	145983	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.12	67	43910	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	148915	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.67	79	20757	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	49096	47.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.00%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	31623	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	57902	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	48875	5.666	ug/L 98
3) Chloromethane	1.25	50	37639	4.983	ug/L 100
5) Vinyl chloride	1.32	62	43145	4.965	ug/L 99
6) Bromomethane	1.54	94	27869	4.837	ug/L 98
8) Chloroethane	1.60	64	25611	4.959	ug/L 100
9) Trichlorofluoromethane	1.77	101	73231	4.835	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41276	4.769	ug/L 97
12) 1,1-Dichloroethene	2.14	96	37050	4.854	ug/L 94
13) Acetone	2.21	43	49270	49.508	ug/L 99
14) Carbon disulfide	2.32	76	118301	5.063	ug/L 98
15) Methyl Acetate	2.47	43	12509	4.546	ug/L 96
16) Methylene chloride	2.53	84	37472	4.594	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	90196	4.673	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	39439	4.832	ug/L 96
19) 1,1-Dichloroethane	3.23	63	62586	4.696	ug/L 99
21) 2-Butanone	4.05	43	82180	50.806	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	41017	5.116	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007476.D
 Acq On : 12 Sep 2018 14:48
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Quant Time: Sep 13 03:15:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 02:33:45 2018
 Response via : Initial Calibration

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

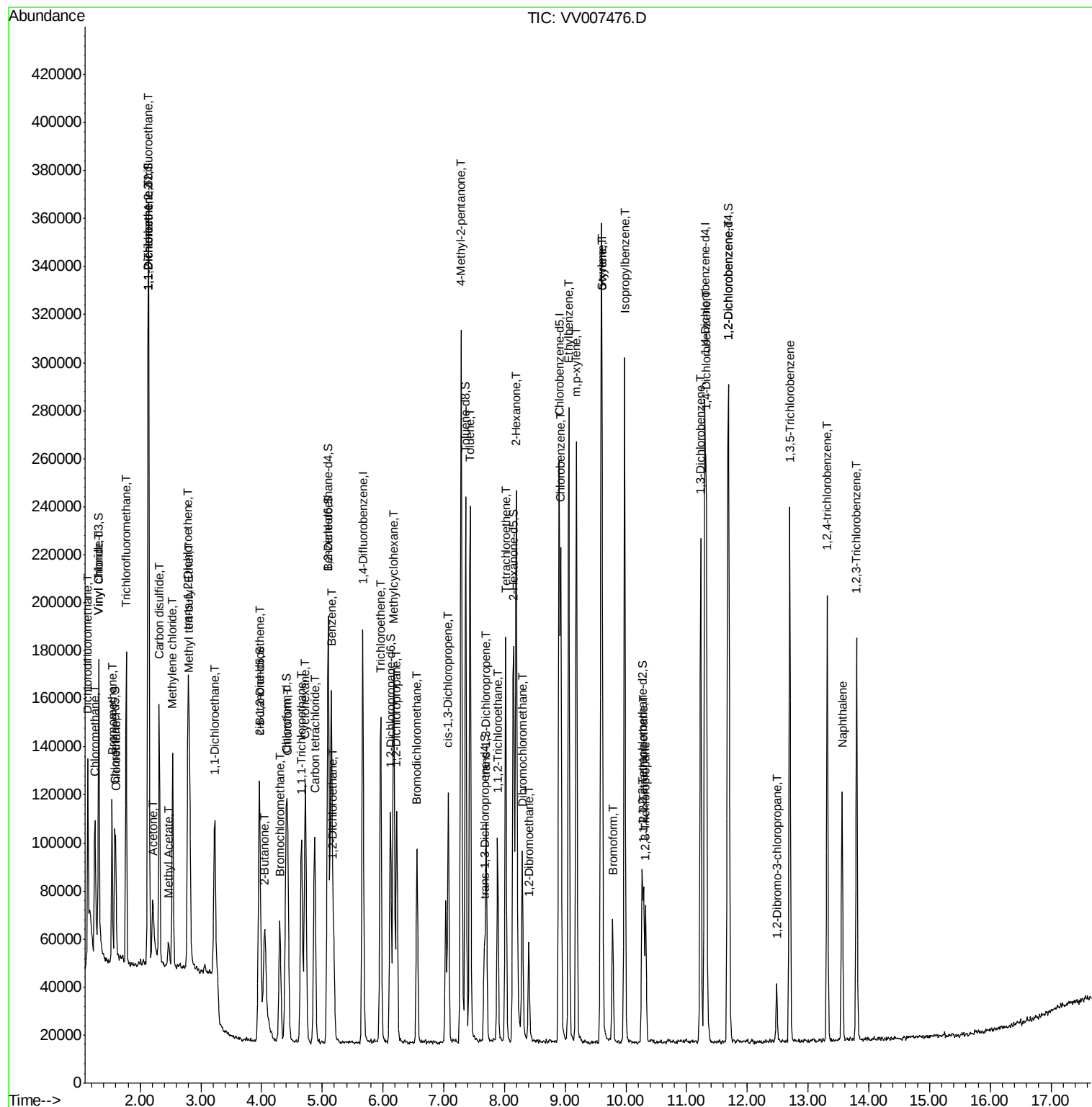
23) Bromochloromethane	4.30	128	18770	4.892	uq/L	98
25) Chloroform	4.43	83	69179	5.033	uq/L	98
27) 1,2-Dichloroethane	5.19	62	42908	4.990	uq/L	97
29) 1,1,1-Trichloroethane	4.66	97	66631	4.947	uq/L	97
30) Cyclohexane	4.72	56	60331	5.055	uq/L	98
31) Carbon tetrachloride	4.87	117	63917	5.143	uq/L	99
33) Benzene	5.15	78	143070	5.020	uq/L	100
34) Trichloroethene	5.96	95	44212	5.144	uq/L	93
35) Methylcyclohexane	6.18	83	68843	5.163	uq/L	99
37) 1,2-Dichloropropane	6.23	63	34237	4.743	uq/L #	94
38) Bromodichloromethane	6.56	83	51665	5.058	uq/L	96
39) cis-1,3-Dichloropropene	7.07	75	58681	5.052	uq/L	99
40) 4-Methyl-2-pentanone	7.29	43	202559	49.277	uq/L	99
42) Toluene	7.43	91	158947	5.036	uq/L	98
44) trans-1,3-Dichloropropene	7.70	75	48171	4.940	uq/L	99
45) 1,1,2-Trichloroethane	7.89	97	26222	4.799	uq/L	94
47) Tetrachloroethene	8.02	164	37789	5.140	uq/L	99
48) 2-Hexanone	8.19	43	148372	49.586	uq/L	99
49) Dibromochloromethane	8.30	129	38370	5.075	uq/L	97
50) 1,2-Dibromoethane	8.40	107	26220	4.918	uq/L	98
51) Chlorobenzene	8.93	112	107353	5.007	uq/L	99
52) Ethylbenzene	9.06	91	180594	5.020	uq/L	99
53) m,p-xylene	9.18	106	69486	4.966	uq/L	96
54) o-xylene	9.59	106	67799	4.963	uq/L	99
55) Styrene	9.61	104	113188	5.057	uq/L	99
56) Isopropylbenzene	9.98	105	185245	5.035	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	27153	4.531	uq/L	97
59) 1,2,3-Trichloropropane	10.32	75	21840	4.752	uq/L	97
61) Bromoform	9.78	173	24027	5.067	uq/L	96
62) 1,3-Dichlorobenzene	11.23	146	88245	5.072	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	89242	5.150	uq/L	99
65) 1,2-Dichlorobenzene	11.69	146	82070	5.023	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	5929	4.880	uq/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	71175	5.335	uq/L	99
68) 1,2,4-trichlorobenzene	13.31	180	57484	5.680	uq/L	100
69) Naphthalene	13.56	128	85150	5.407	uq/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	52814	5.563	uq/L	98

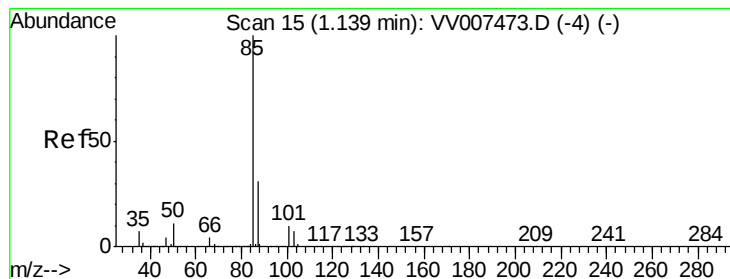
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091218\
Data File : VV007476.D
Acq On : 12 Sep 2018 14:48
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV69

Quant Time: Sep 13 03:15:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 13 02:33:45 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.666 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

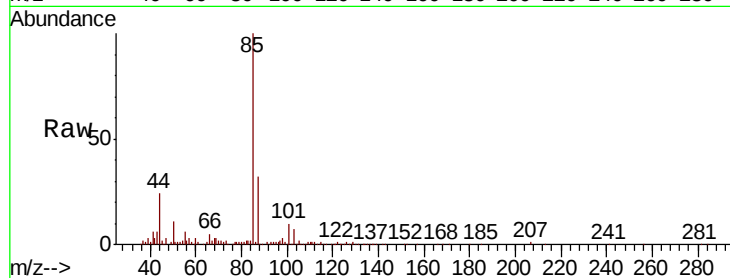
VICV69

Tot Ion: 85 Resp: 48875

Ion Ratio Lower Upper

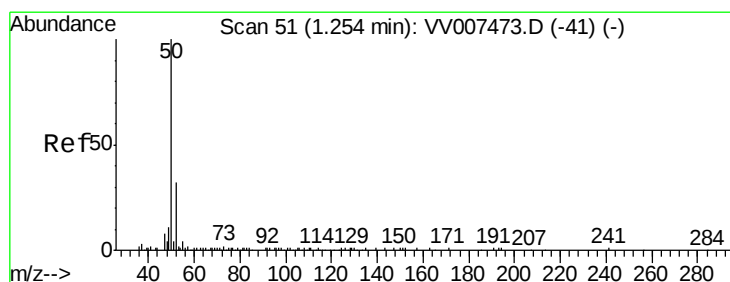
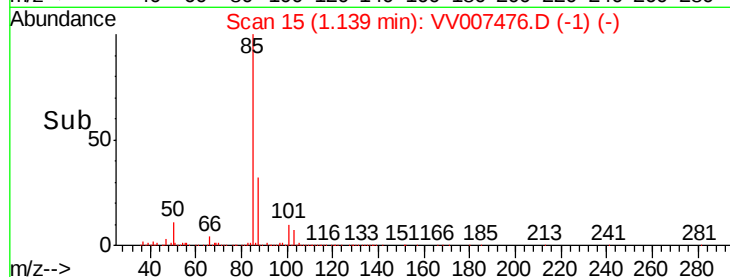
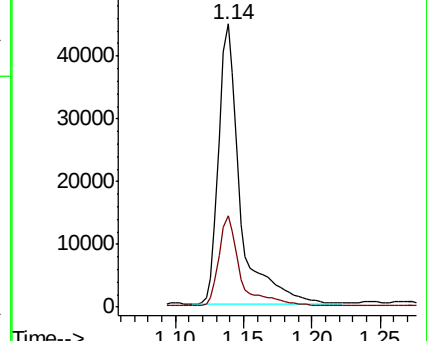
85 100

87 32.0 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.983 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007476.D

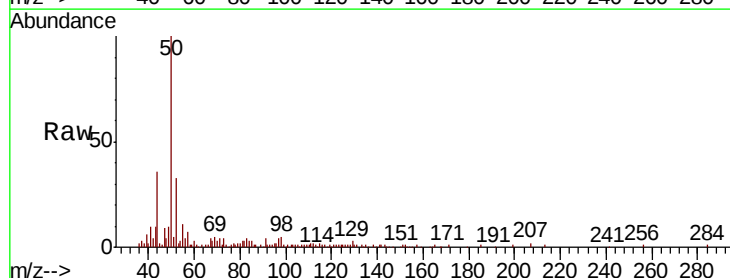
Acq: 12 Sep 2018 14:48

Tgt Ion: 50 Resp: 37639

Ion Ratio Lower Upper

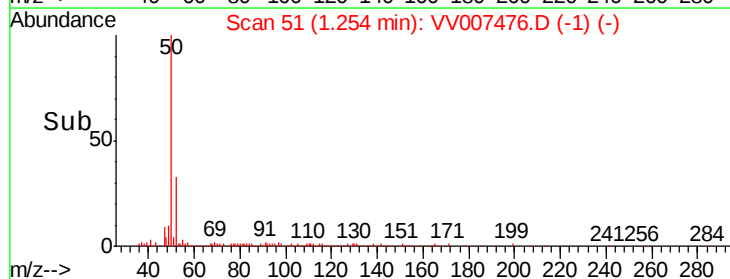
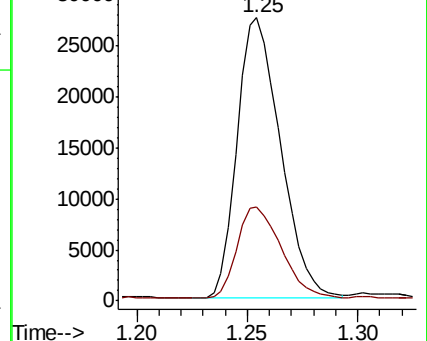
50 100

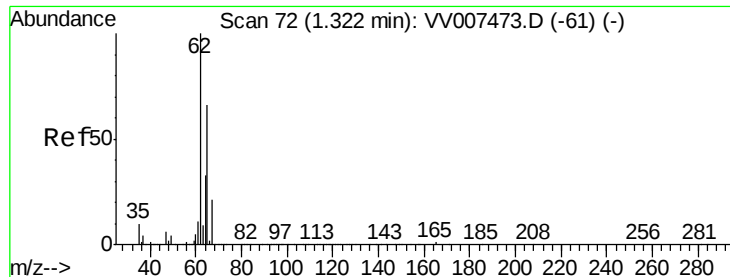
52 33.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.965 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

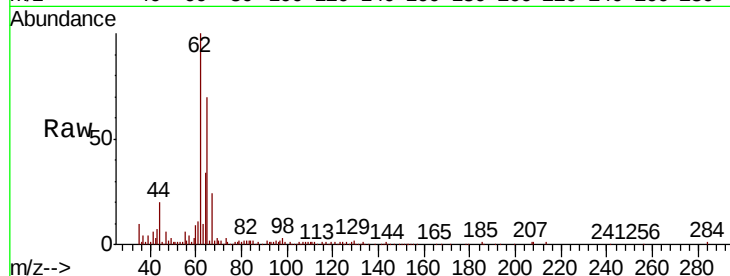
VICV69

Tot Ion: 62 Resp: 43145

Ion Ratio Lower Upper

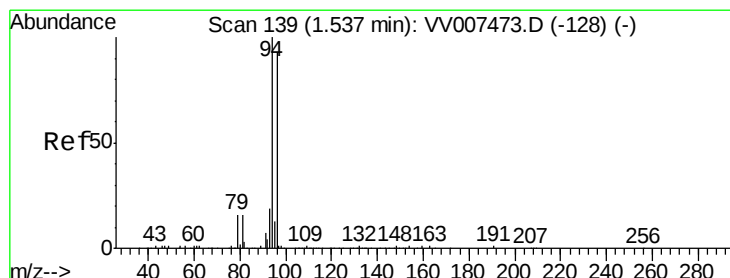
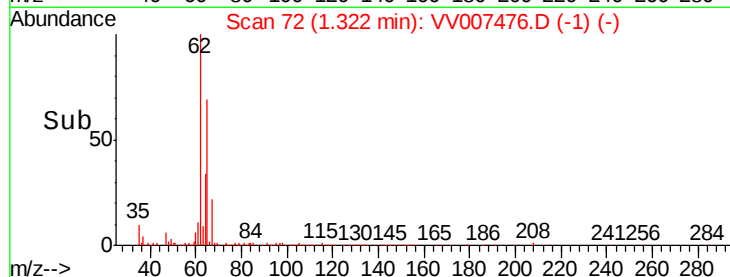
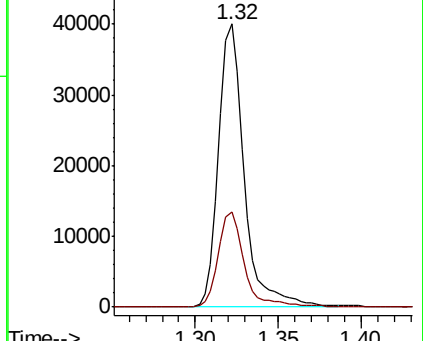
62 100

64 33.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.837 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007476.D

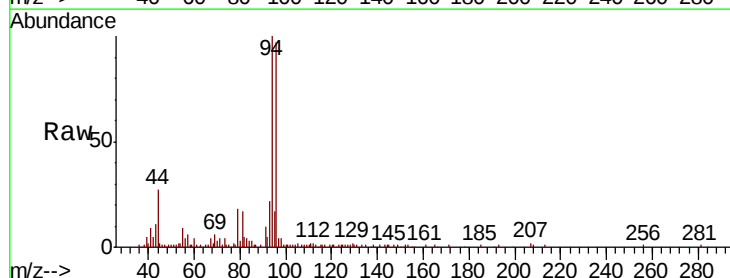
Acq: 12 Sep 2018 14:48

Tgt Ion: 94 Resp: 27869

Ion Ratio Lower Upper

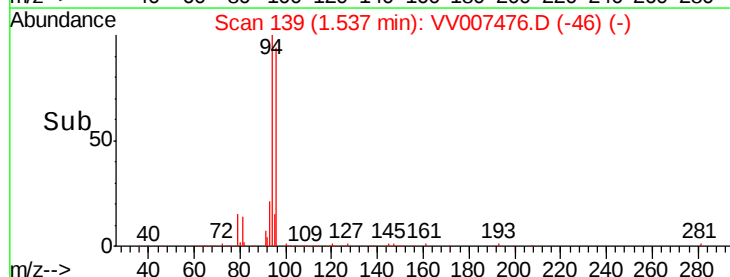
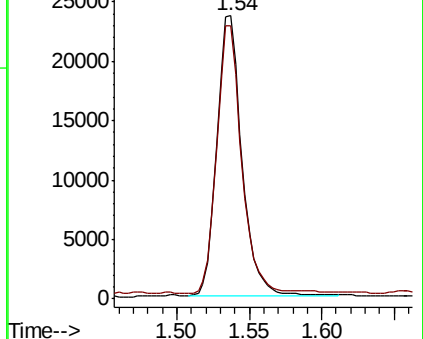
94 100

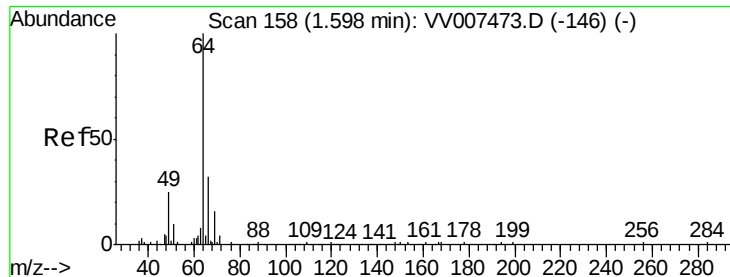
96 96.5 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.959 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

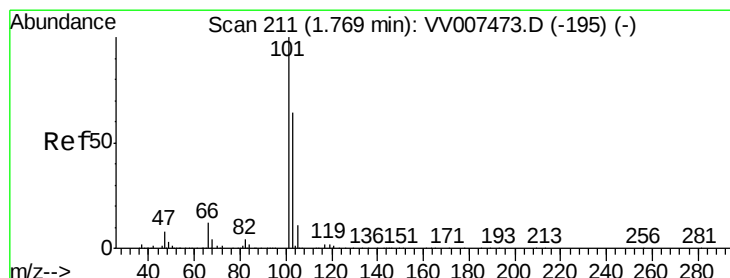
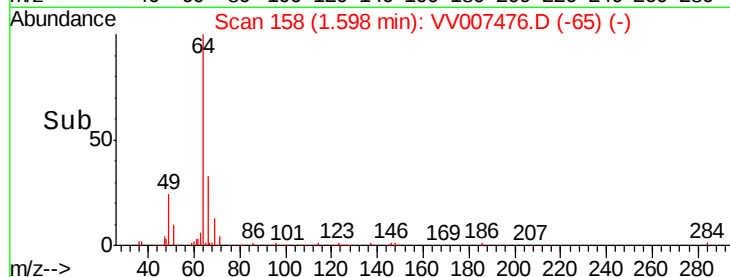
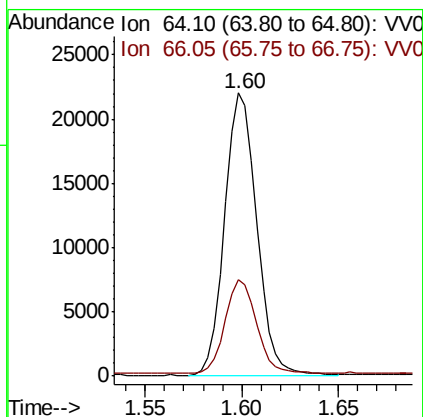
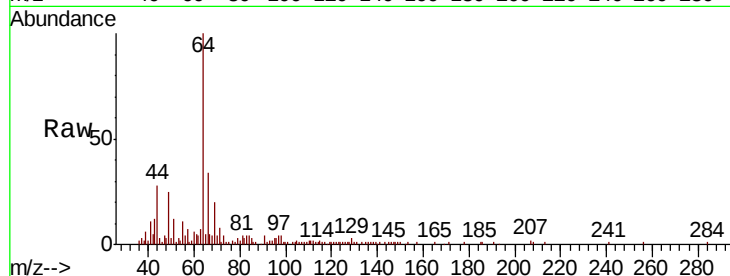
VICV69

Tot Ion: 64 Resp: 25611

Ion Ratio Lower Upper

64 100

66 33.9 23.5 43.7



#9

Trichlorofluoromethane

Concen: 4.835 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV007476.D

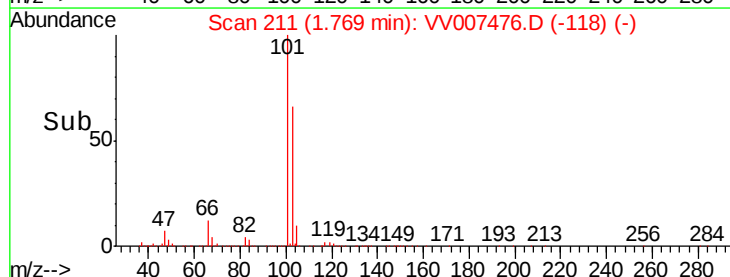
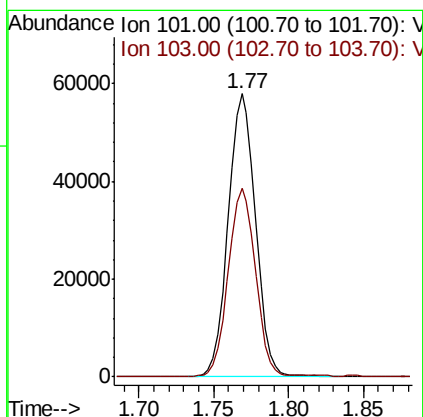
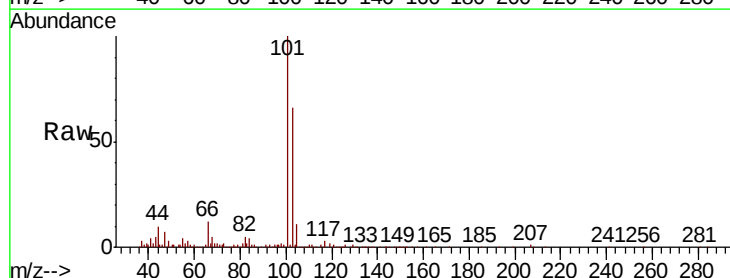
Acq: 12 Sep 2018 14:48

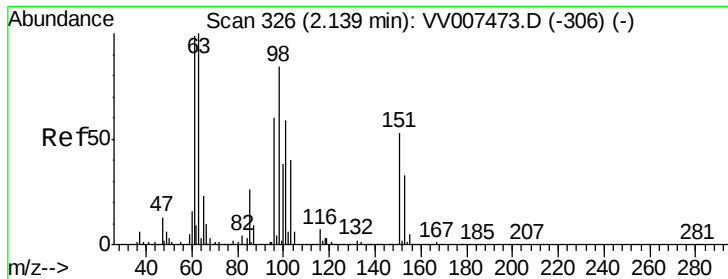
Tgt Ion: 101 Resp: 73231

Ion Ratio Lower Upper

101 100

103 66.3 51.5 77.3





#10

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

Concen: 4.769 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

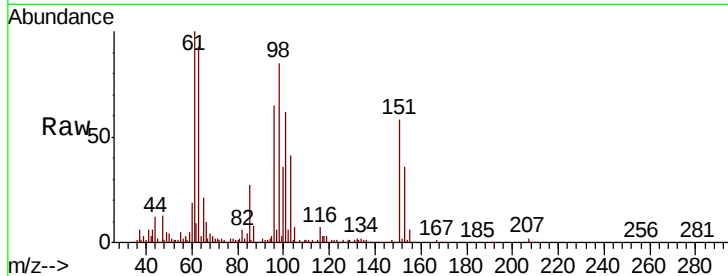
Tot Ion:101 Resp: 41276

Ion Ratio Lower Upper

101 100

85 44.1 34.5 51.7

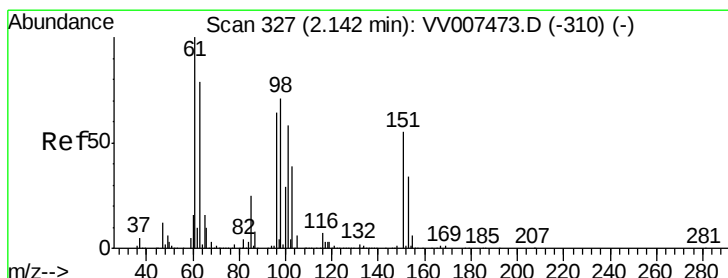
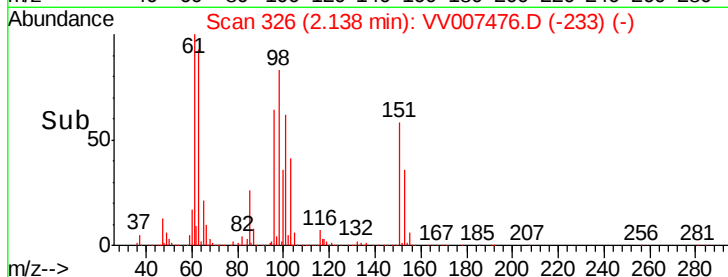
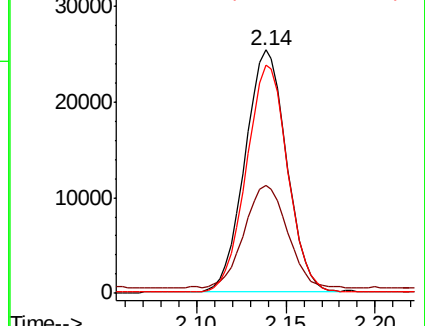
151 93.0 71.4 107.0



Abundance Ion 101.00 (100.70 to 101.70): VV007476.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV007476.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV007476.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 4.854 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

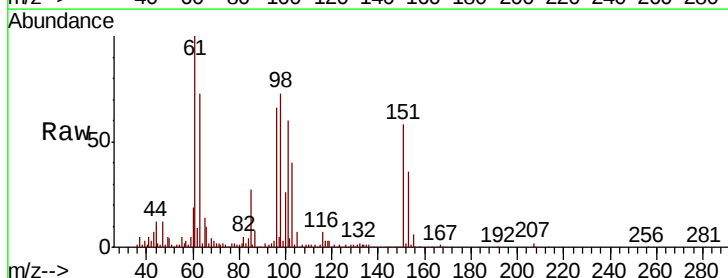
Tgt Ion: 96 Resp: 37050

Ion Ratio Lower Upper

96 100

61 150.9 108.0 200.6

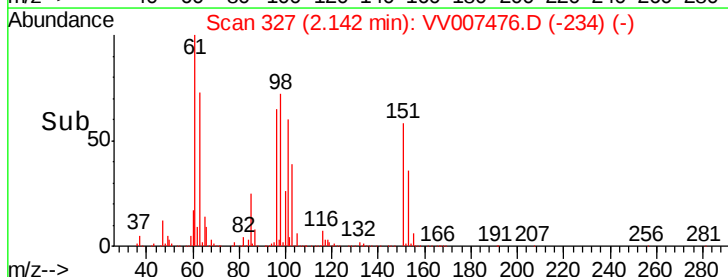
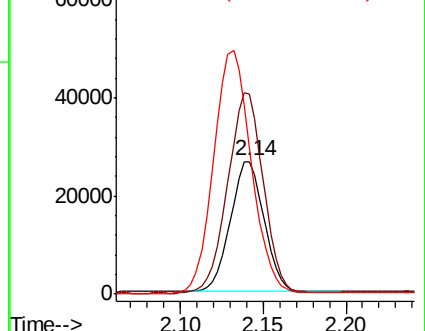
63 110.4 85.7 159.1

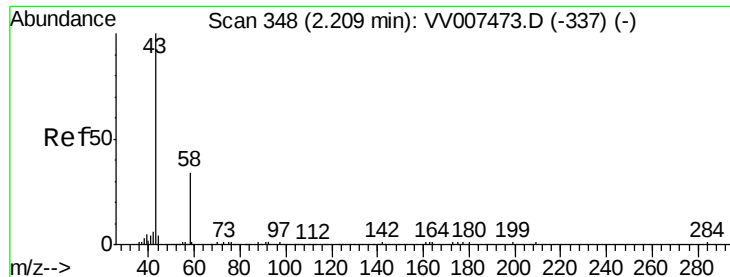


Abundance Ion 96.00 (95.70 to 96.70): VV007476.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV007476.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV007476.D (-234) (-)





#13

Acetone

Concen: 49.508 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

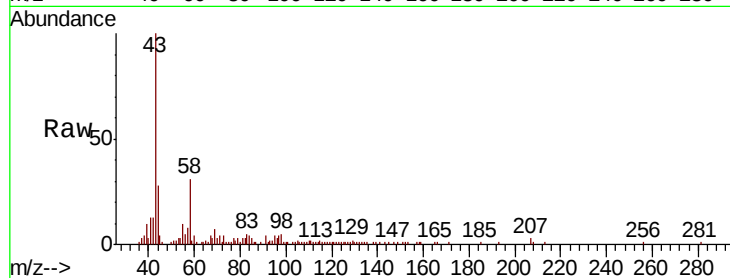
VICV69

Tot Ion: 43 Resp: 49270

Ion Ratio Lower Upper

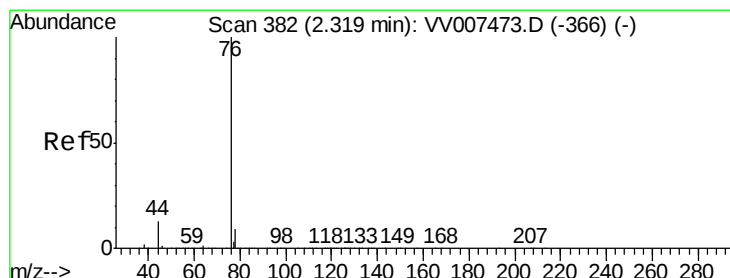
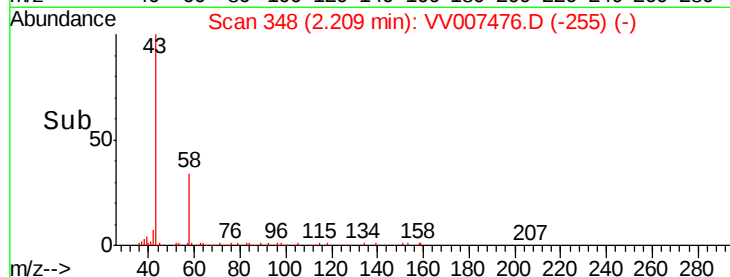
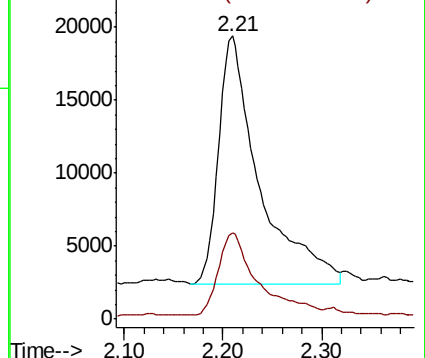
43 100

58 32.2 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.063 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV007476.D

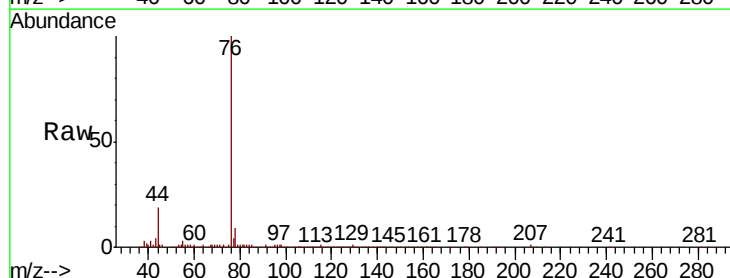
Acq: 12 Sep 2018 14:48

Tgt Ion: 76 Resp: 118301

Ion Ratio Lower Upper

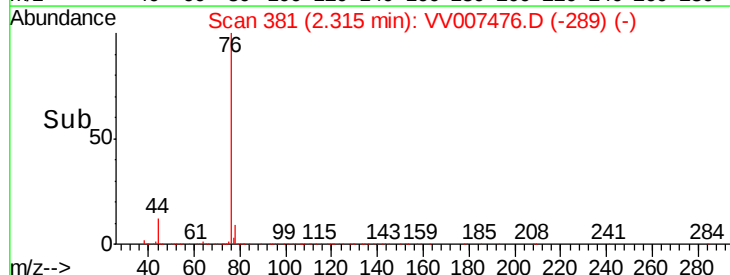
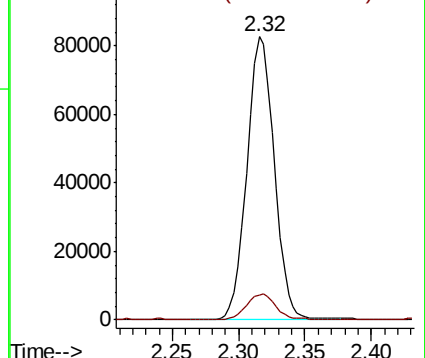
76 100

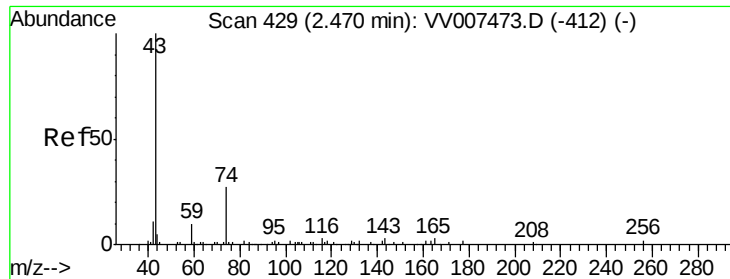
78 8.9 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

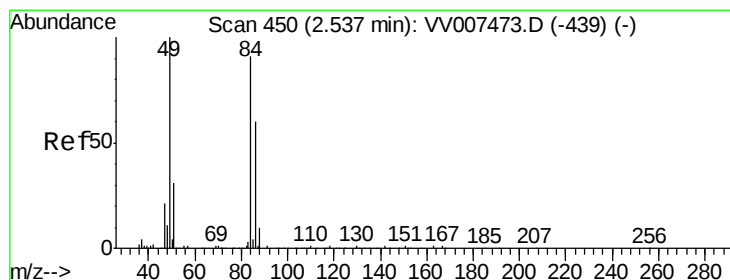
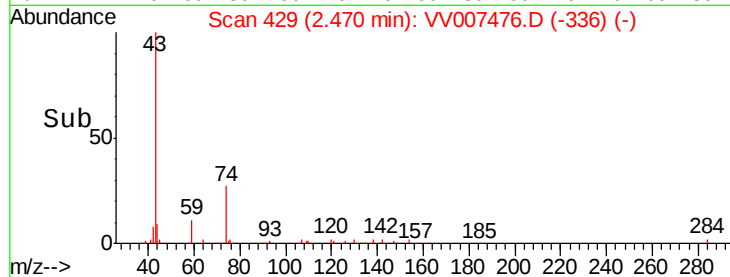
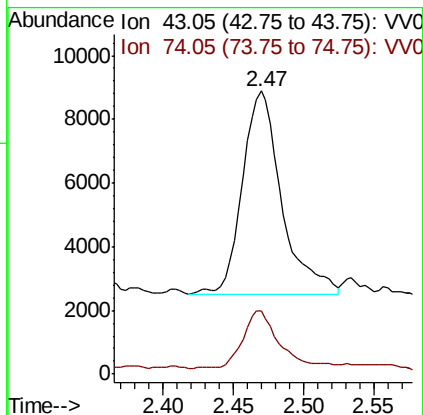
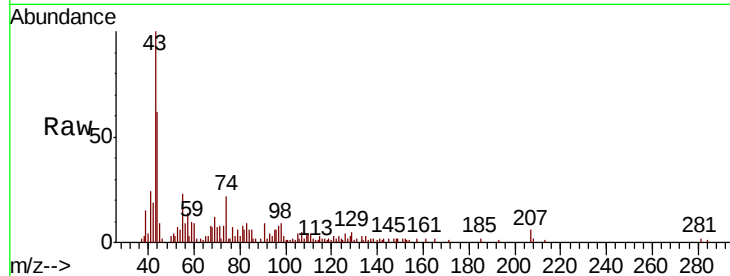




#15
Methvl Acetate
Concen: 4.546 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

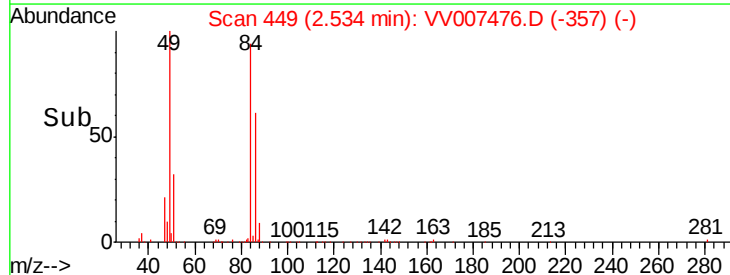
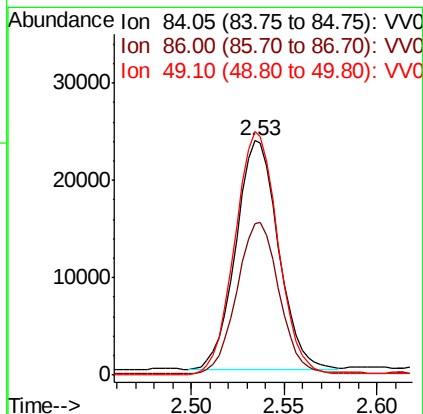
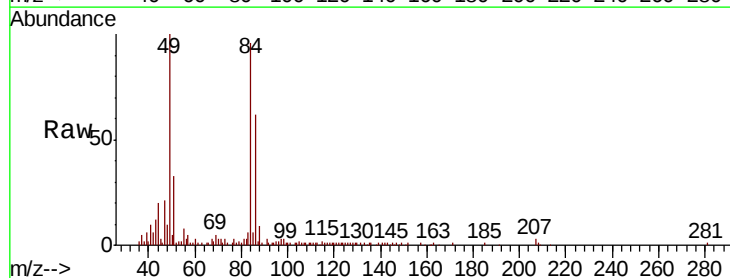
Instrument :
MSVOA_V
ClientSampleId :
VICV69

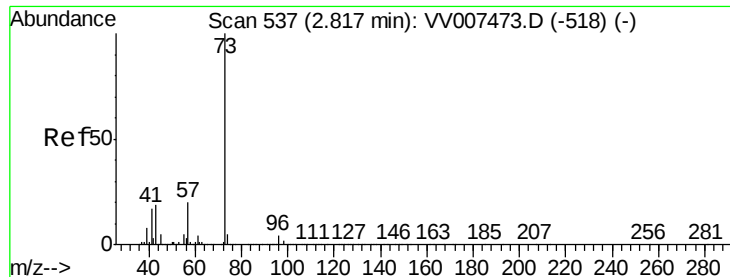
Tot Ion: 43 Resp: 12509
Ion Ratio Lower Upper
43 100
74 26.8 20.0 30.0



#16
Methylene chloride
Concen: 4.594 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

Tgt Ion: 84 Resp: 37472
Ion Ratio Lower Upper
84 100
86 64.3 44.9 83.3
49 103.8 74.2 137.8

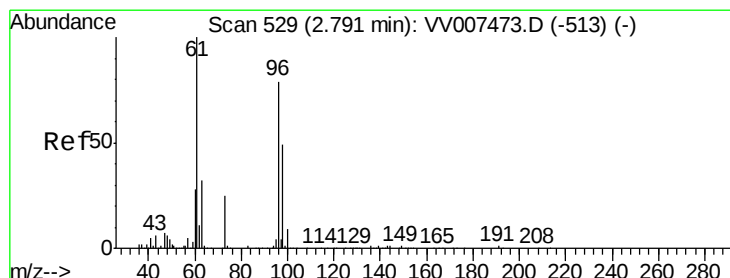
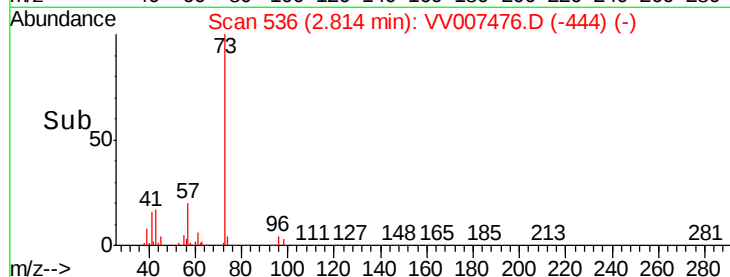
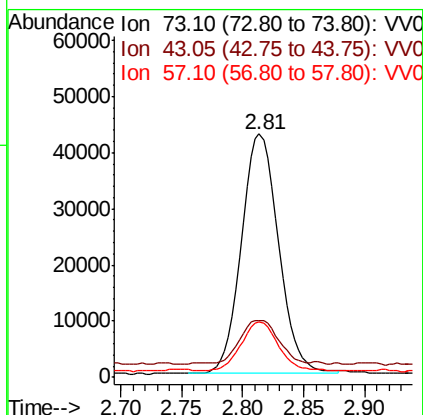
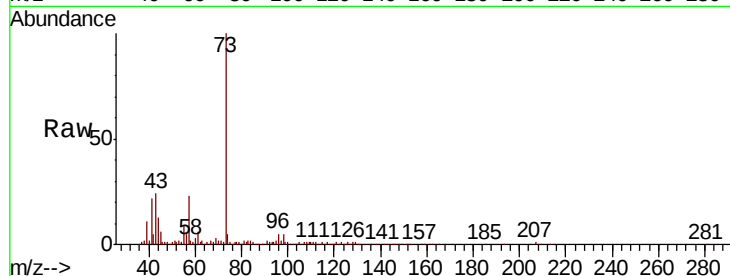




#17
Methvl tert-butvl Ether
Concen: 4.673 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

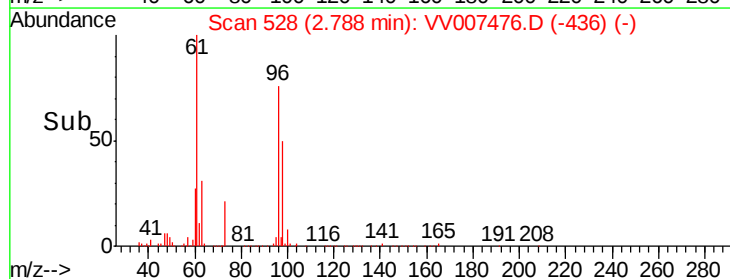
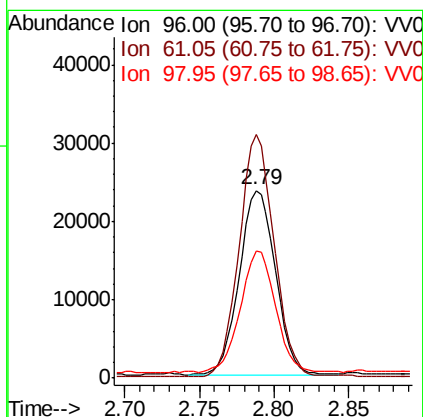
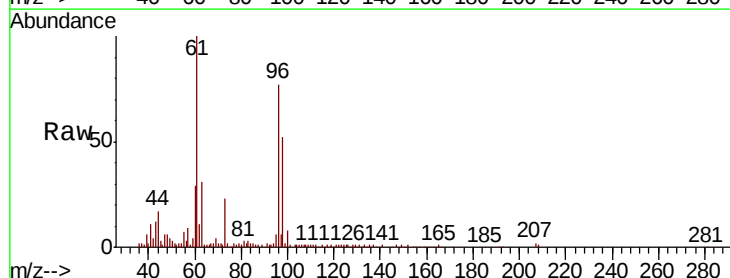
Instrument :
MSVOA_V
ClientSampleId :
VICV69

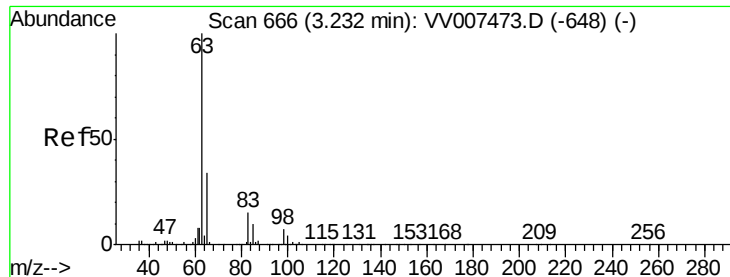
Tot Ion:	73	Resp:	90196
Ion	Ratio	Lower	Upper
73	100		
43	18.3	15.3	22.9
57	20.7	16.5	24.7



#18
trans-1,2-Dichloroethene
Concen: 4.832 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

Tgt Ion:	96	Resp:	39439
Ion	Ratio	Lower	Upper
96	100		
61	129.6	87.6	162.6
98	67.4	45.7	84.9





#19

1,1-Dichloroethane

Concen: 4.696 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

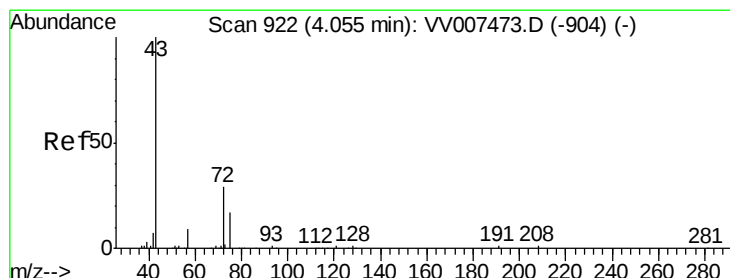
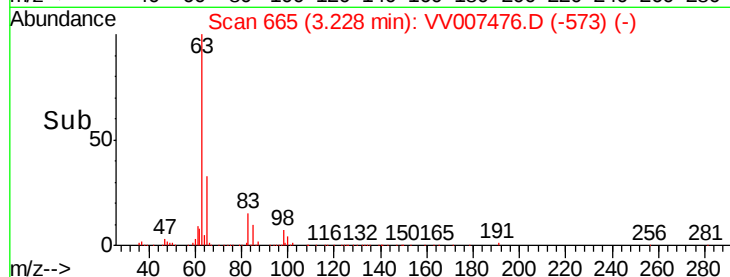
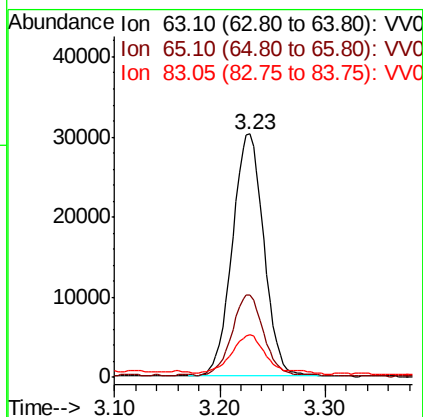
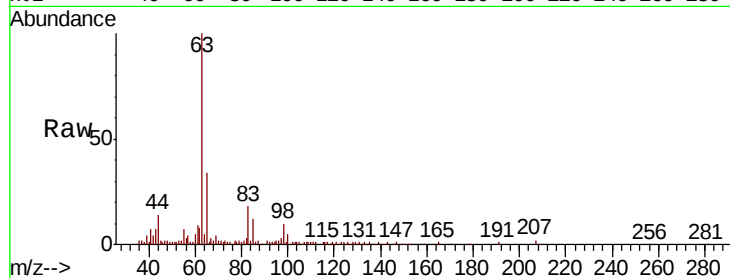
Tot Ion: 63 Resp: 62586

Ion Ratio Lower Upper

63 100

65 33.8 24.0 44.6

83 17.7 12.5 23.1



#21

2-Butanone

Concen: 50.806 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV007476.D

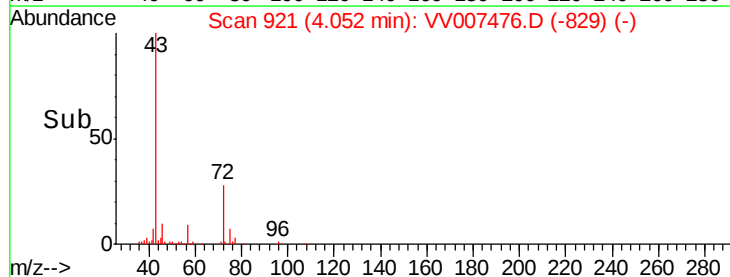
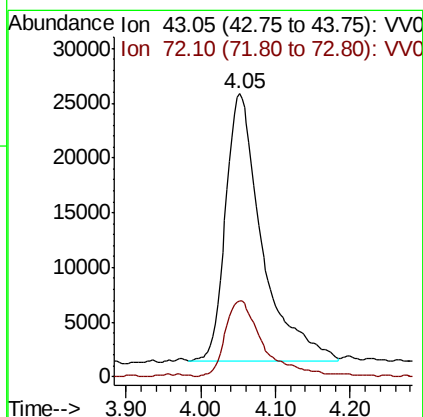
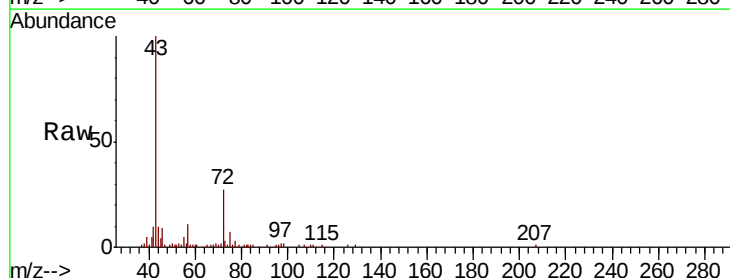
Acq: 12 Sep 2018 14:48

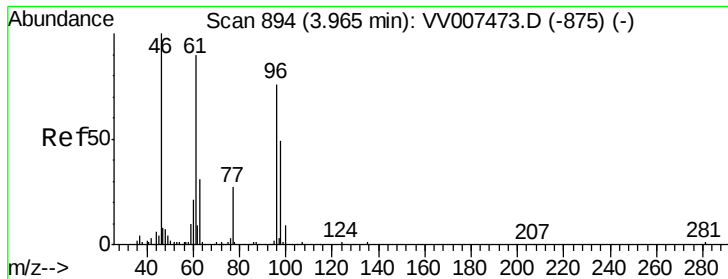
Tgt Ion: 43 Resp: 82180

Ion Ratio Lower Upper

43 100

72 30.0 14.8 44.4





#22

cis-1,2-Dichloroethene

Concen: 5.116 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampled :

VICV69

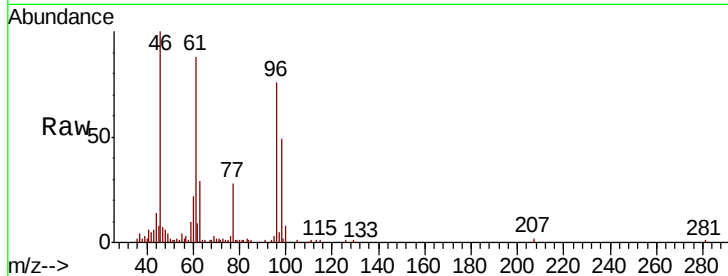
Tot Ion: 96 Resp: 41017

Ion Ratio Lower Upper

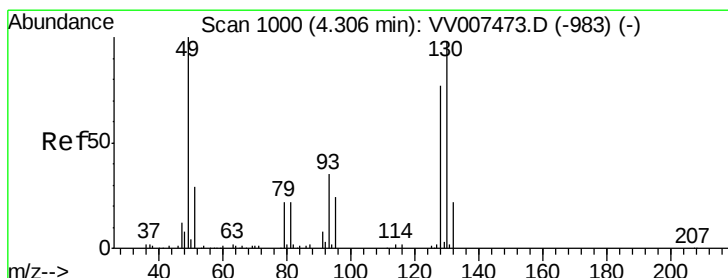
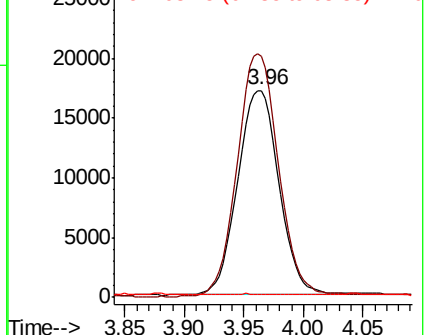
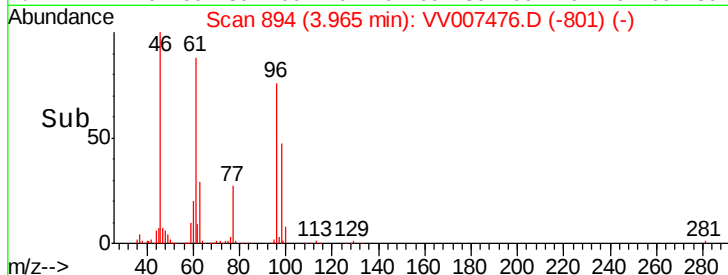
96 100

61 116.4 82.6 153.4

68 1.4 1.2 2.2



Abundance Ion 96.00 (95.70 to 96.70): VV007476.D (-901) (-)



#23

Bromochloromethane

Concen: 4.892 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.01 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Tgt Ion: 128 Resp: 18770

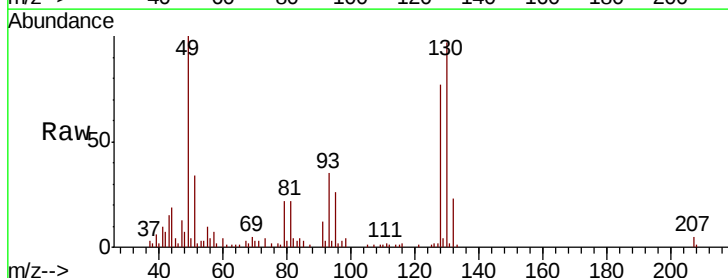
Ion Ratio Lower Upper

128 100

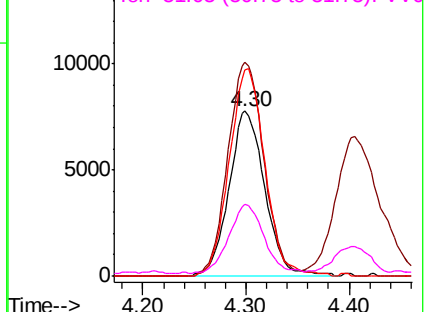
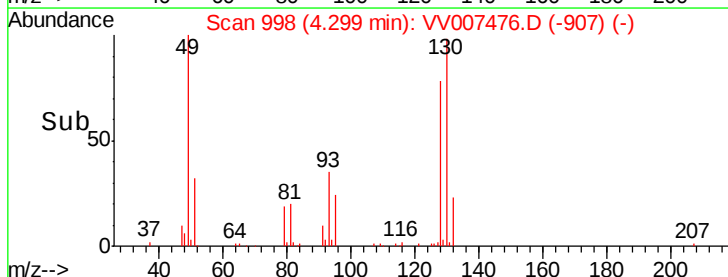
49 129.4 91.1 169.1

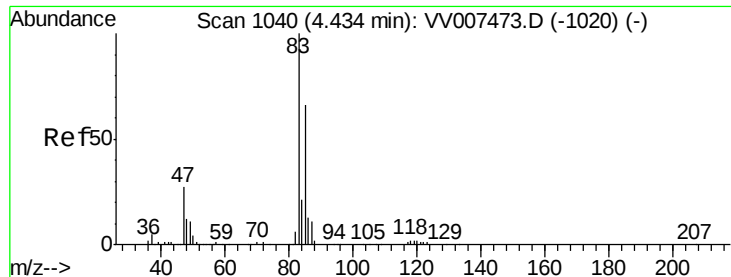
130 124.9 89.5 166.1

51 43.5 32.7 49.1



Abundance Ion 127.90 (127.60 to 128.60): VV007476.D (-907) (-)





#25

Chloroform

Concen: 5.033 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

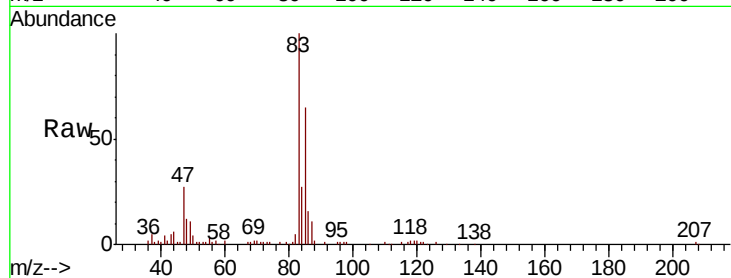
VICV69

Tot Ion: 83 Resp: 69179

Ion Ratio Lower Upper

83 100

85 65.0 46.6 86.6



Abundance Ion 83.05 (82.75 to 83.75): VV007476.D (-947) (-)

Ion 85.00 (84.70 to 85.70): VV007476.D (-947) (-)

4.43

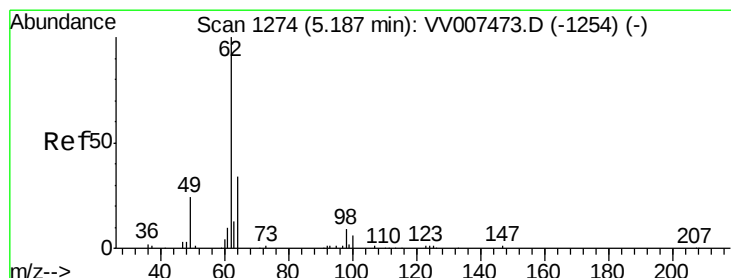
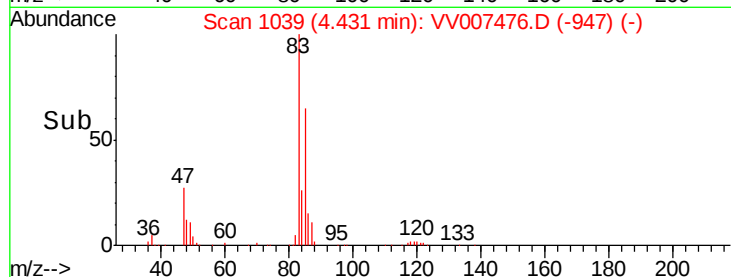
30000

20000

10000

0

Time--> 4.30 4.40 4.50



#27

1,2-Dichloroethane

Concen: 4.990 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VV007476.D

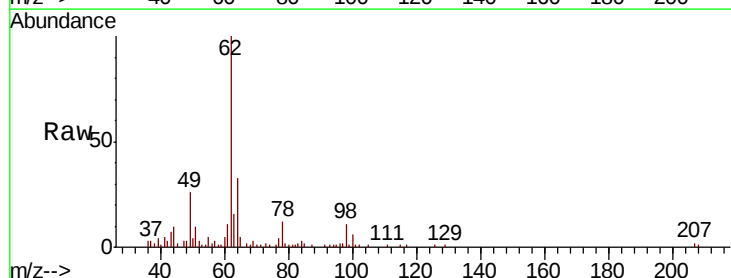
Acq: 12 Sep 2018 14:48

Tgt Ion: 62 Resp: 42908

Ion Ratio Lower Upper

62 100

98 10.9 9.5 14.3



Abundance Ion 62.00 (61.70 to 62.70): VV007476.D (-1181) (-)

Ion 98.05 (97.75 to 98.75): VV007476.D (-1181) (-)

5.19

20000

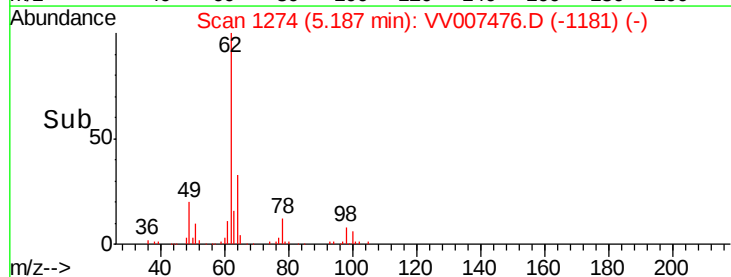
15000

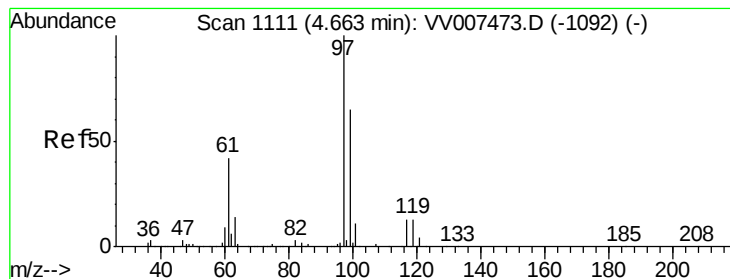
10000

5000

0

Time--> 5.10 5.20 5.30





#29

1,1,1-Trichloroethane

Concen: 4.947 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

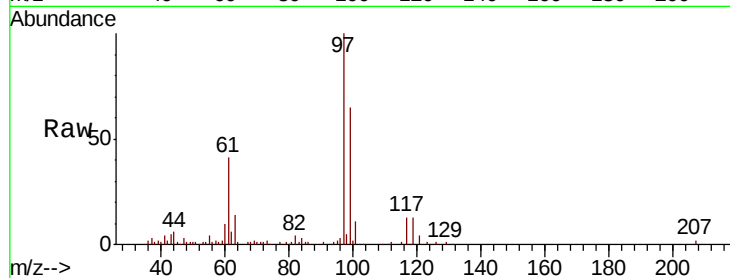
Tot Ion: 97 Resp: 66631

Ion Ratio Lower Upper

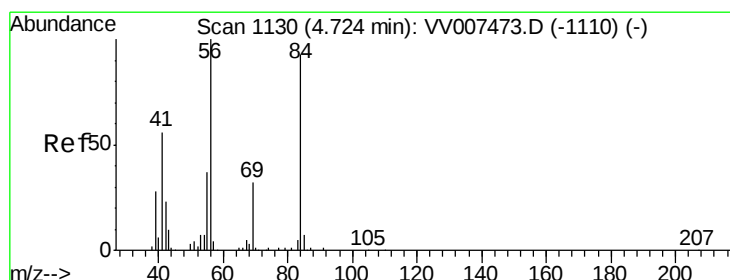
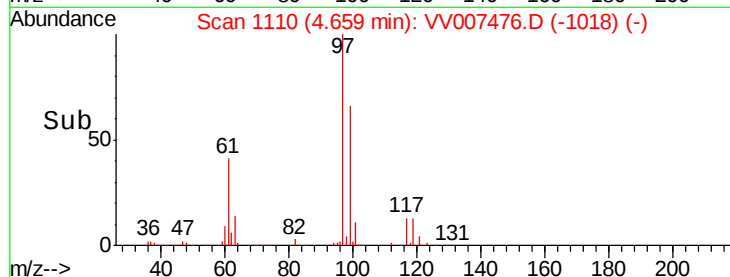
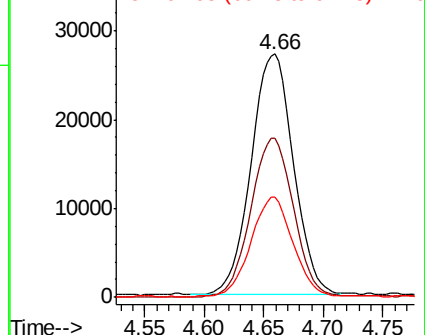
97 100

99 67.3 51.2 76.8

61 41.9 33.4 50.2



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.055 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

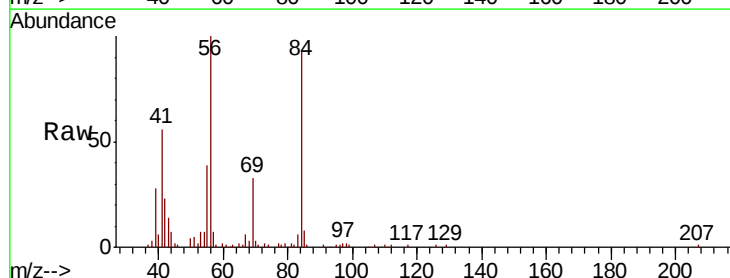
Tgt Ion: 56 Resp: 60331

Ion Ratio Lower Upper

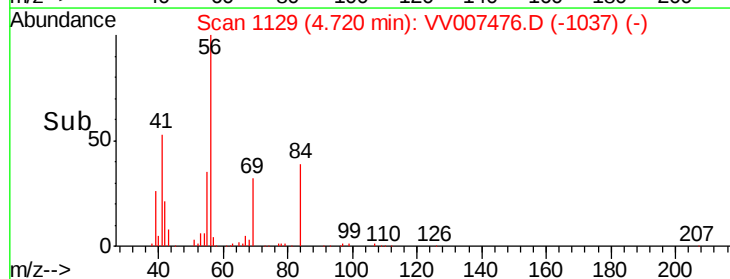
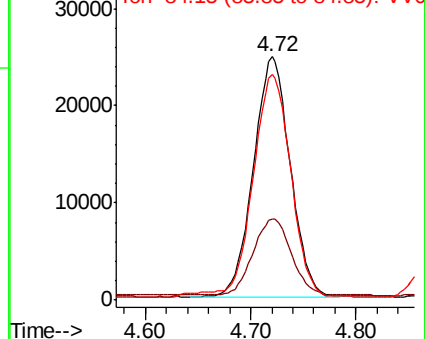
56 100

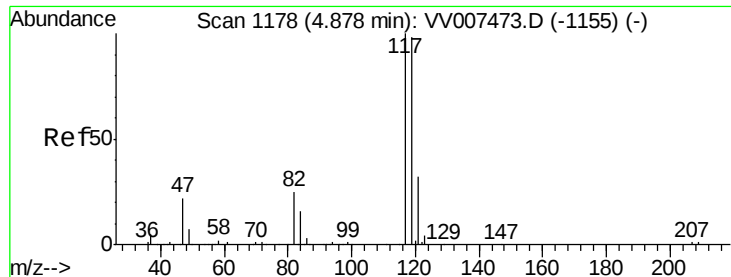
69 32.7 26.6 39.8

84 95.0 73.8 110.8



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

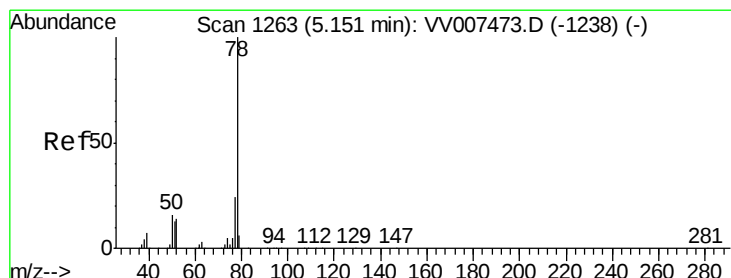
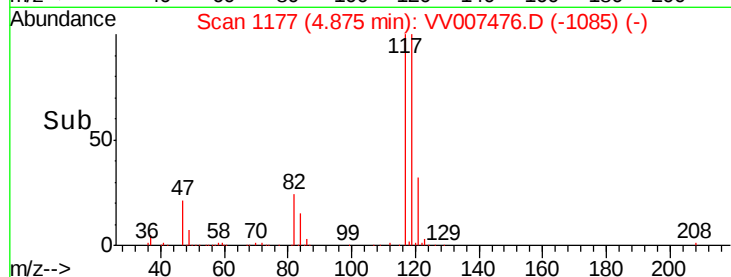
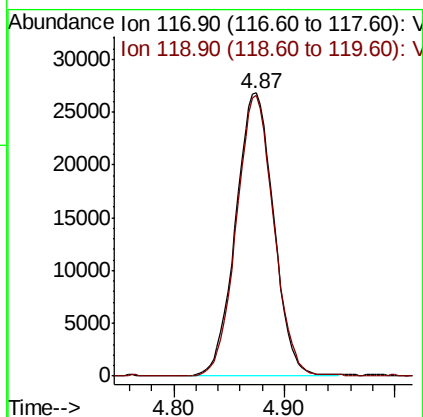
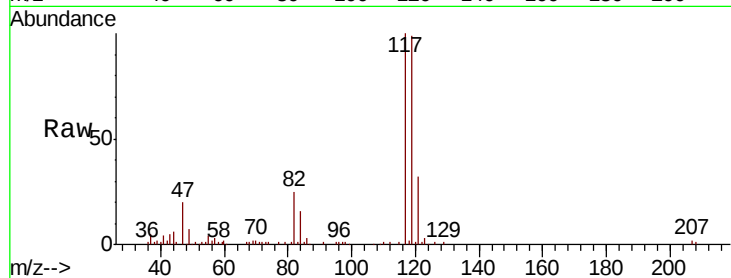




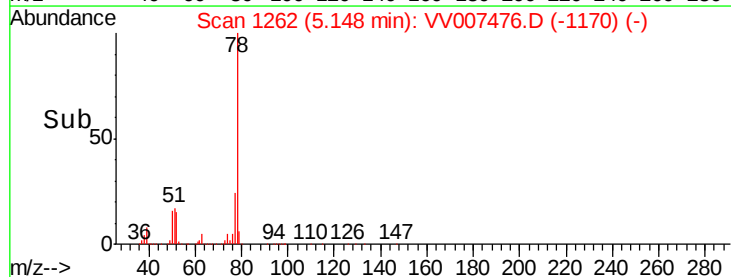
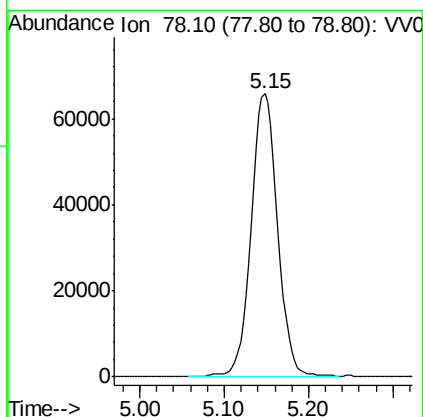
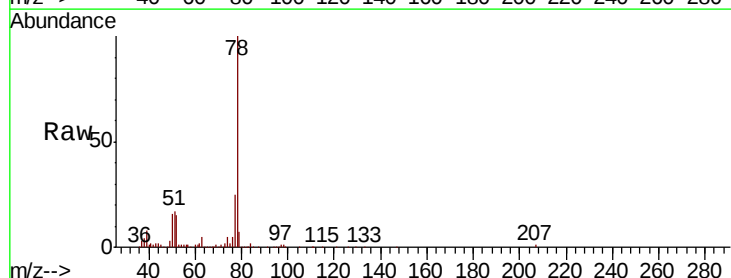
#31
Carbon tetrachloride
Concen: 5.143 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

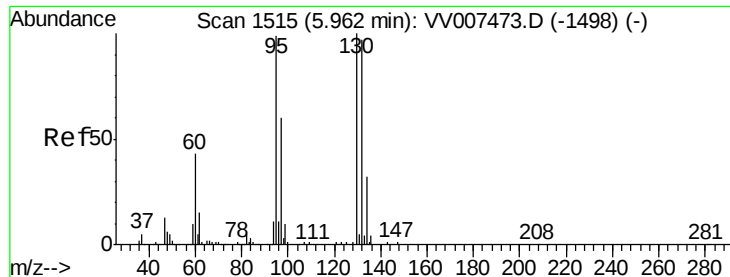
Instrument :
MSVOA_V
ClientSampleId :
VICV69

Tot Ion:117 Resp: 63917
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.2



#33
Benzene
Concen: 5.020 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48
Tgt Ion: 78 Resp: 143070





#34

Trichloroethene

Concen: 5.144 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

Tot Ion: 95 Resp: 44212

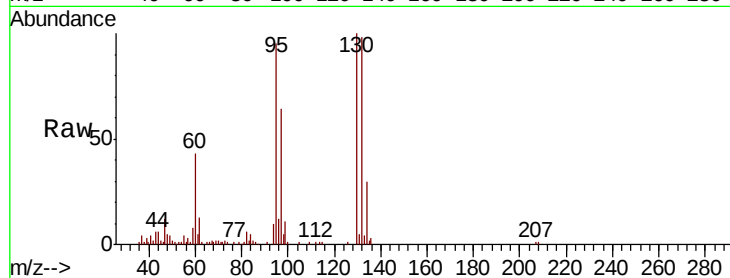
Ion Ratio Lower Upper

95 100

97 67.1 42.8 79.4

132 103.0 67.6 125.6

130 105.6 69.6 129.2

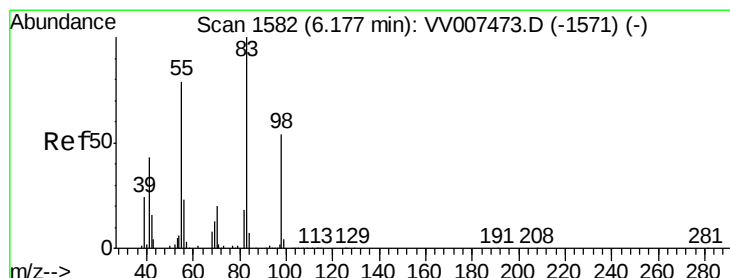
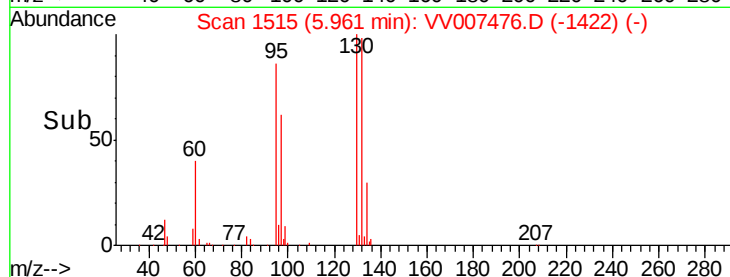
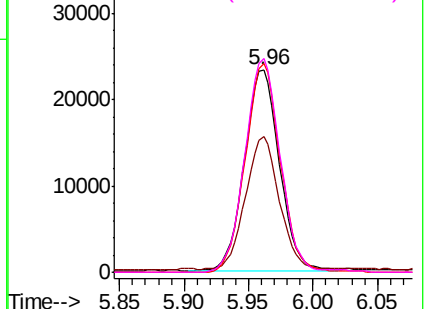


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.163 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

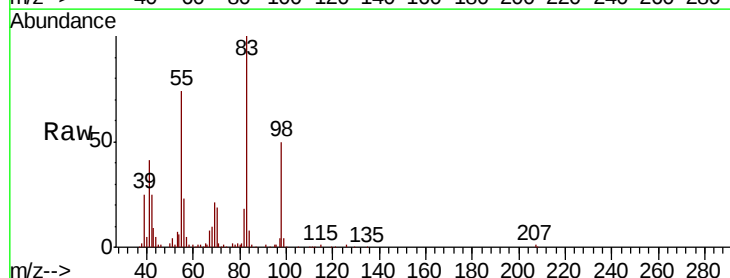
Tgt Ion: 83 Resp: 68843

Ion Ratio Lower Upper

83 100

55 72.7 57.4 86.0

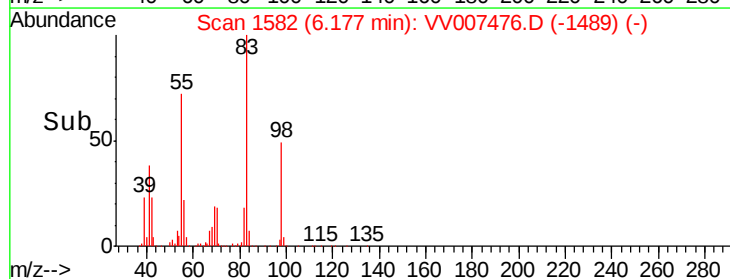
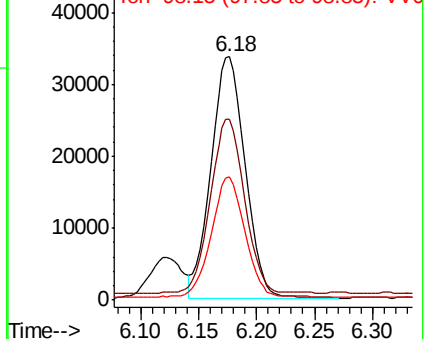
98 49.3 38.8 58.2

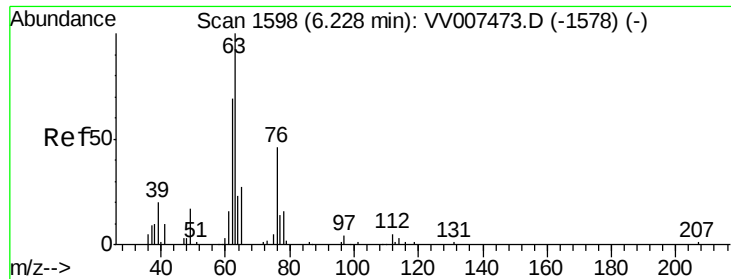


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.743 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

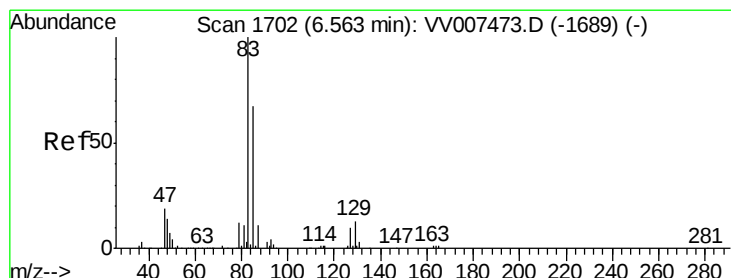
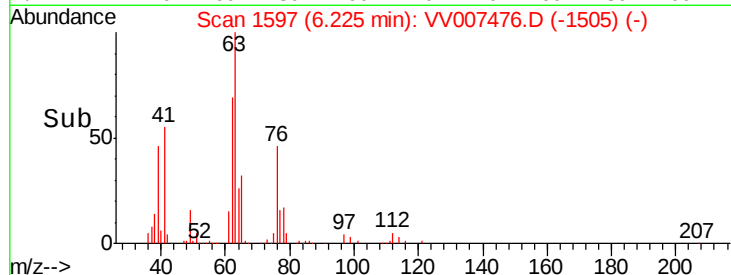
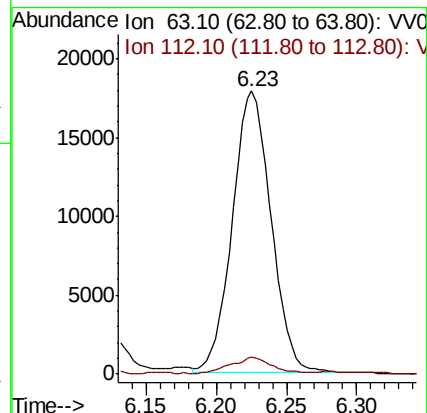
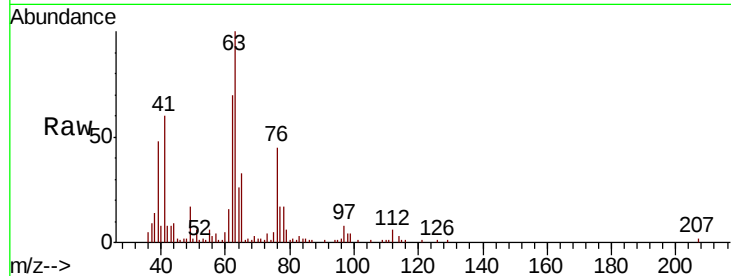
VICV69

Tot Ion: 63 Resp: 34237

Ion Ratio Lower Upper

63 100

112 6.5 3.7 5.5#



#38

Bromodichloromethane

Concen: 5.058 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

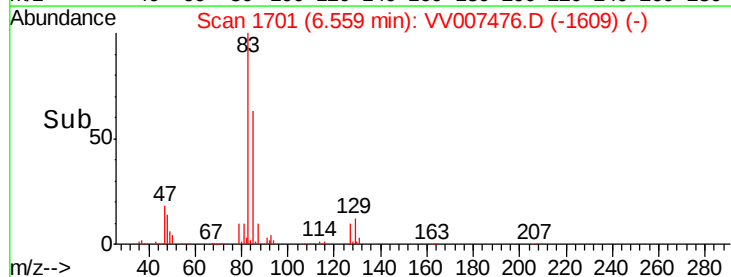
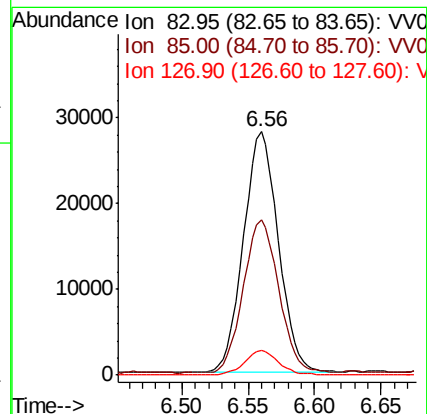
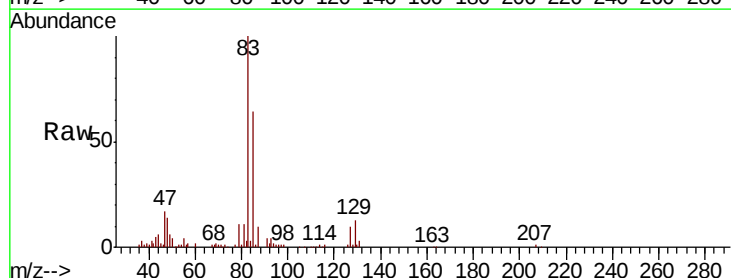
Tgt Ion: 83 Resp: 51665

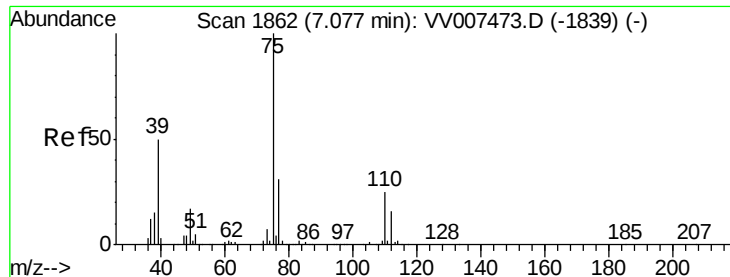
Ion Ratio Lower Upper

83 100

85 63.6 47.0 87.2

127 10.0 7.8 11.6

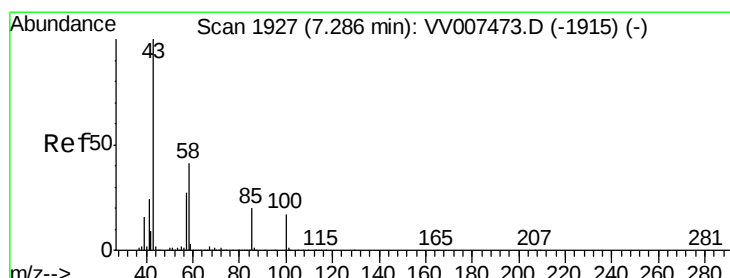
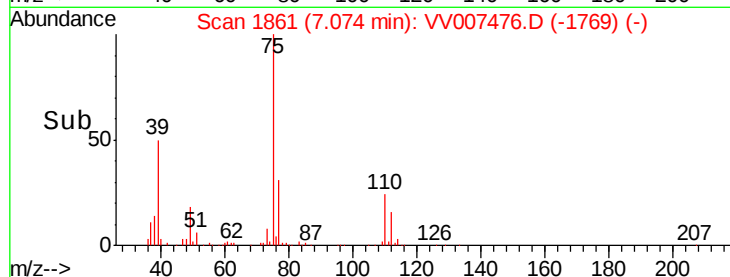
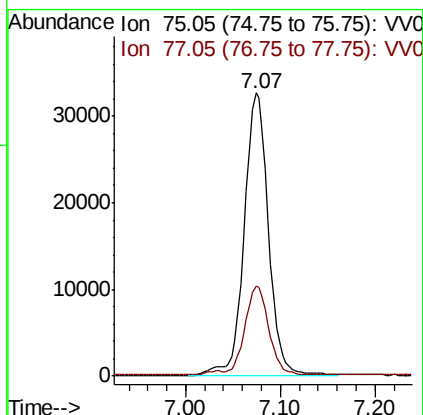
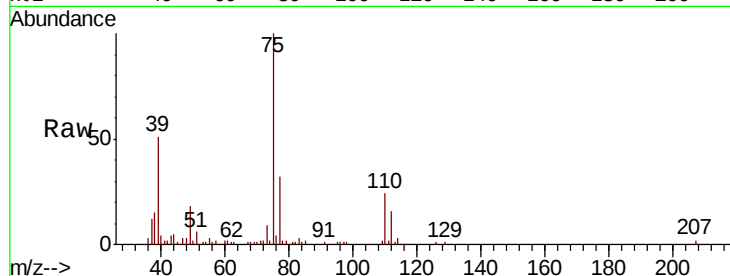




#39
 cis-1,3-Dichloropropene
 Concen: 5.052 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

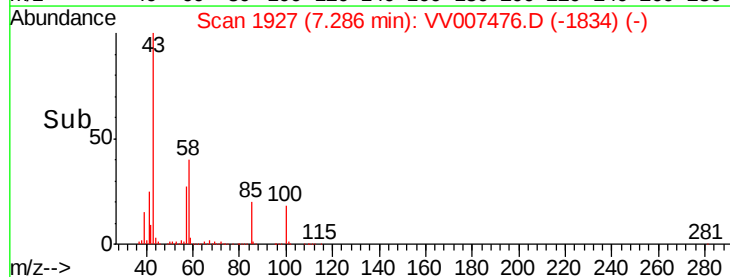
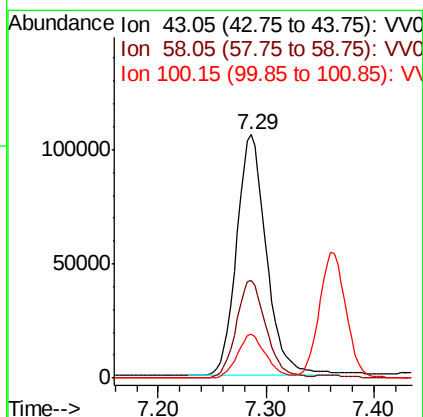
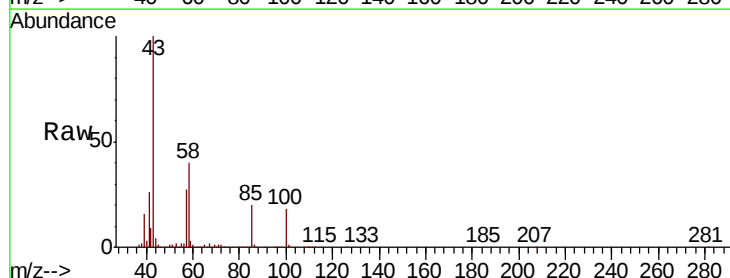
Instrument :
 MSVOA_V
 ClientSampled :
 VICV69

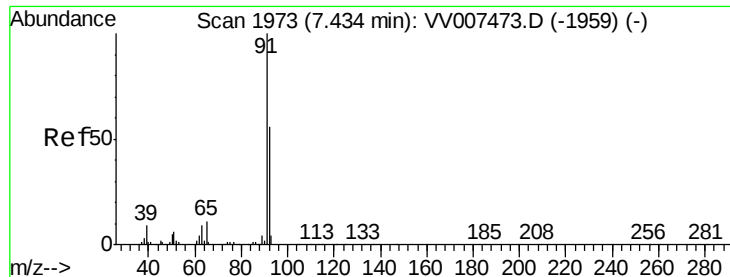
Tot Ion: 75 Resp: 58681
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 49.277 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

Tgt Ion: 43 Resp: 202559
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.2 48.2
 100 17.6 13.6 20.4





#42

Toluene

Concen: 5.036 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

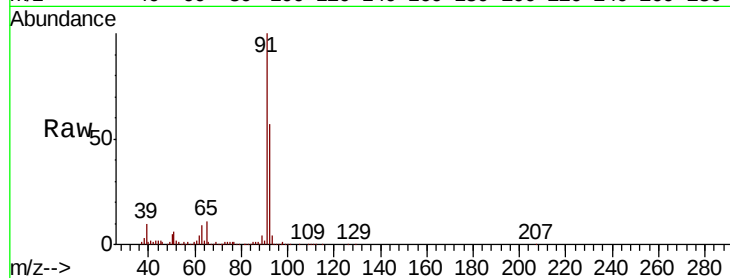
VICV69

Tot Ion: 91 Resp: 158947

Ion Ratio Lower Upper

91 100

92 56.6 38.9 72.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

100000

80000

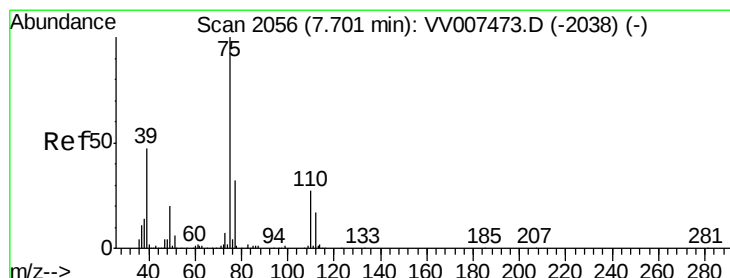
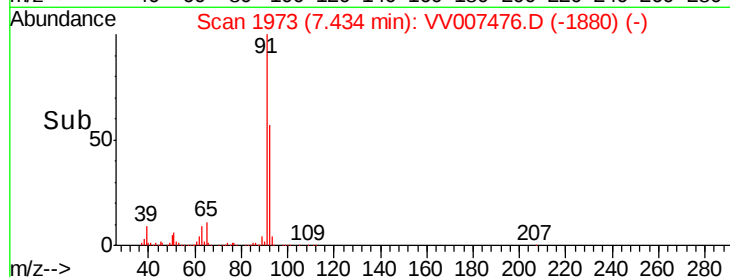
60000

40000

20000

0

Time--> 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.940 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007476.D

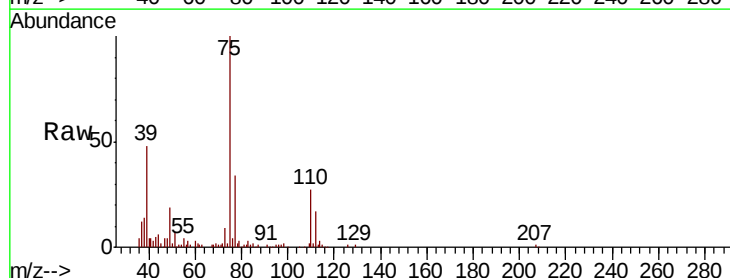
Acq: 12 Sep 2018 14:48

Tgt Ion: 75 Resp: 48171

Ion Ratio Lower Upper

75 100

77 33.7 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

30000

25000

20000

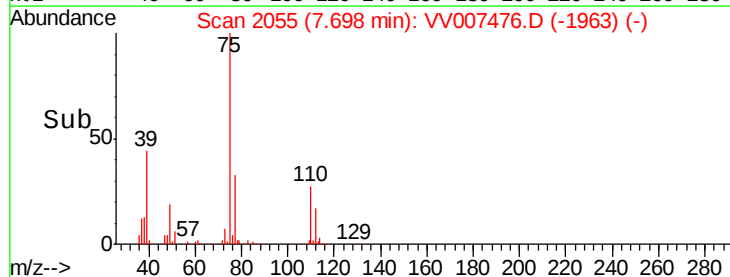
15000

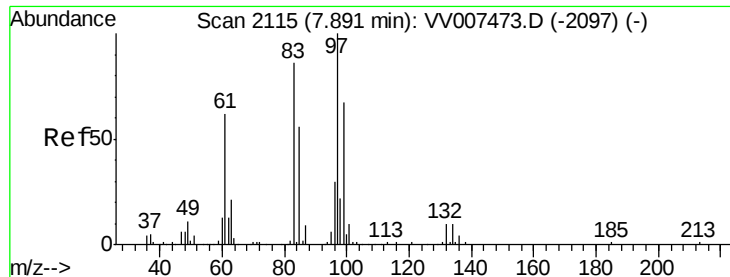
10000

5000

0

Time--> 7.60 7.70 7.80

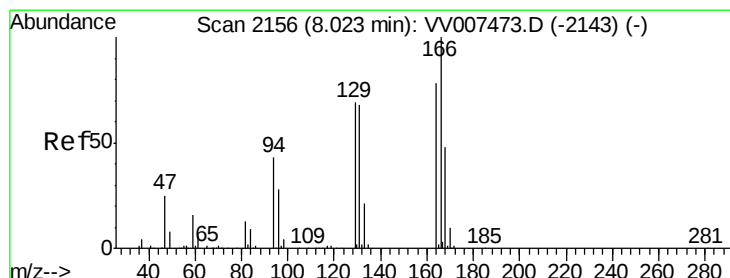
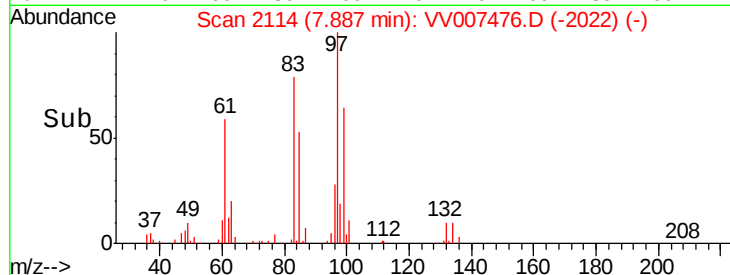
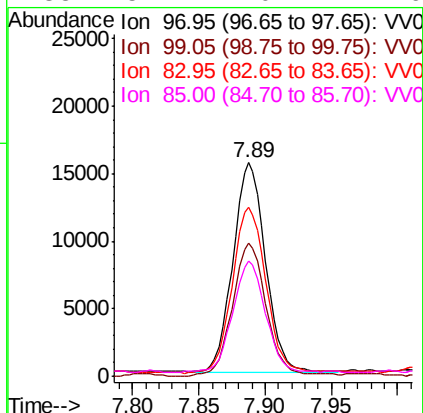
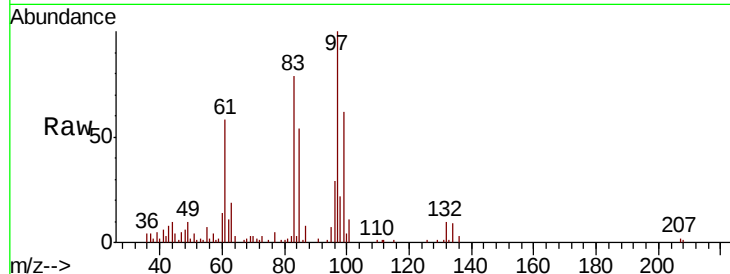




#45
 1,1,2-Trichloroethane
 Concen: 4.799 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

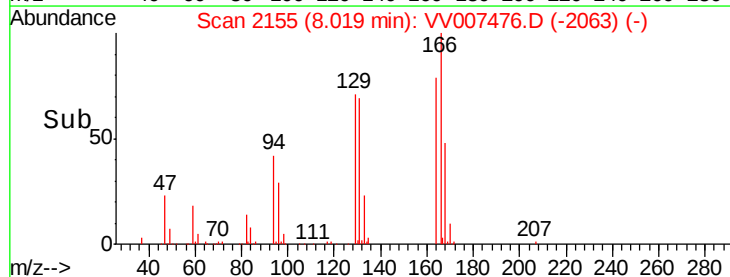
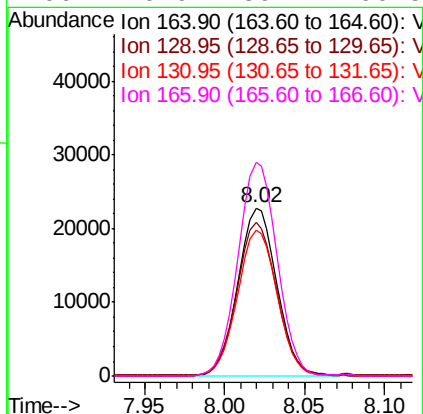
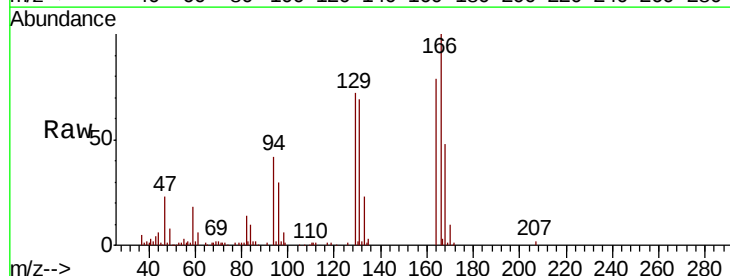
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

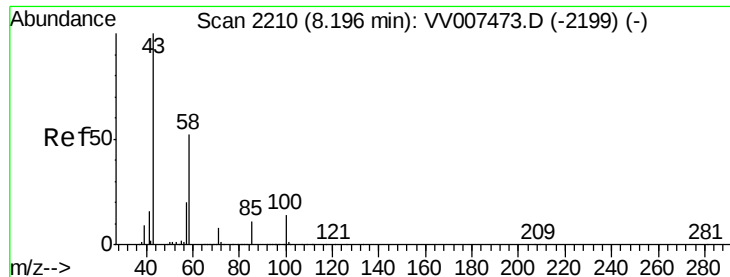
Tot Ion:	97	Resp:	26222
Ion	Ratio	Lower	Upper
97	100		
99	62.5	46.2	85.8
83	79.1	60.5	112.3
85	54.1	40.2	74.6



#47
 Tetrachloroethene
 Concen: 5.140 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

Tgt Ion:	164	Resp:	37789
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.7	116.5
131	86.9	60.5	112.5
166	126.9	89.7	166.5

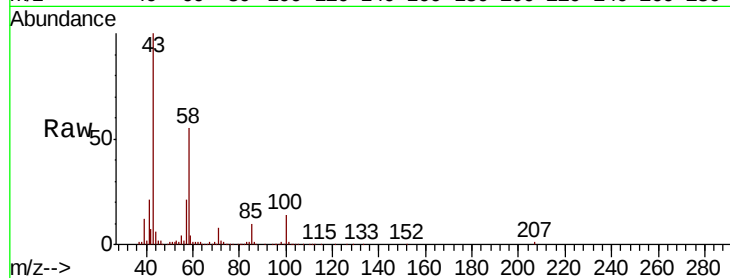




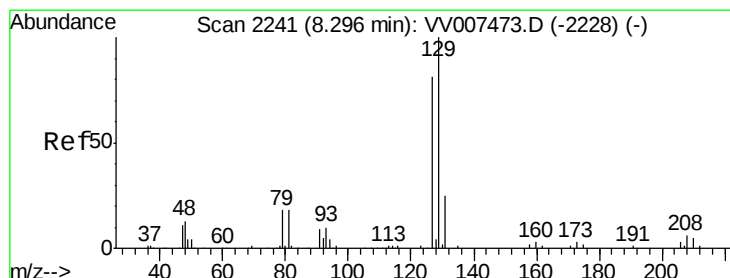
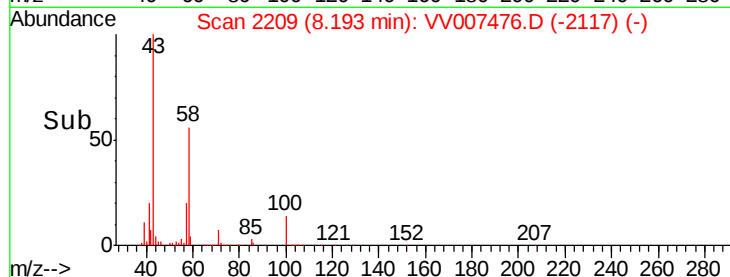
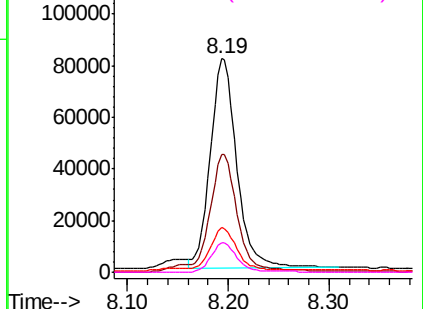
#48
2-Hexanone
Concen: 49.586 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

Instrument :
MSVOA_V
ClientSampleId :
VICV69

Tot Ion: 43 Resp: 148372
Ion Ratio Lower Upper
43 100
58 60.5 47.9 71.9
57 19.9 16.2 24.2
100 13.9 11.0 16.4

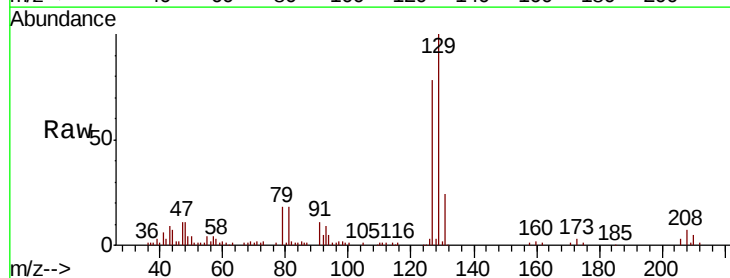


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

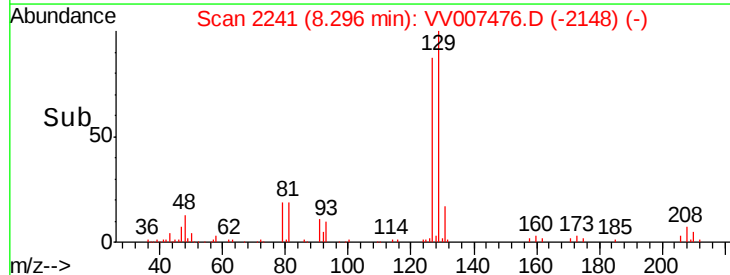
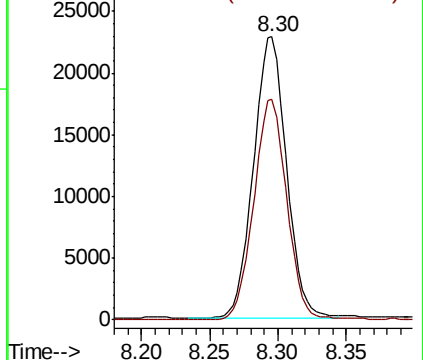


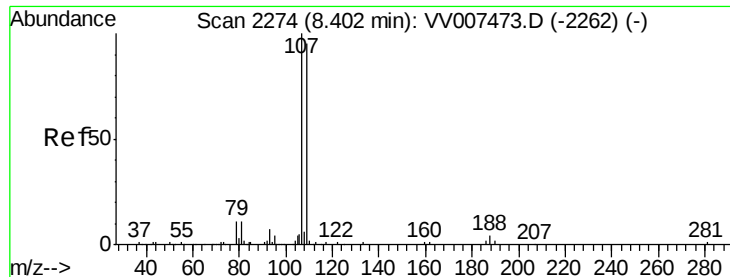
#49
Dibromochloromethane
Concen: 5.075 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007476.D
Acq: 12 Sep 2018 14:48

Tgt Ion: 129 Resp: 38370
Ion Ratio Lower Upper
129 100
127 77.9 56.3 104.5



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

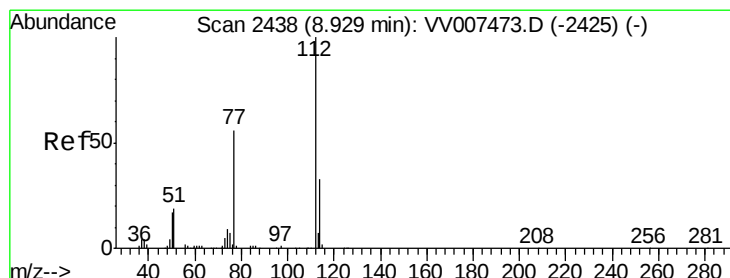
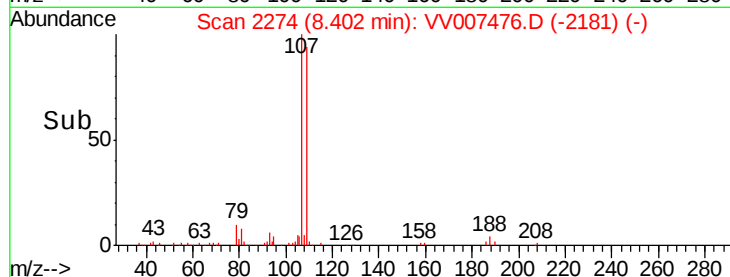
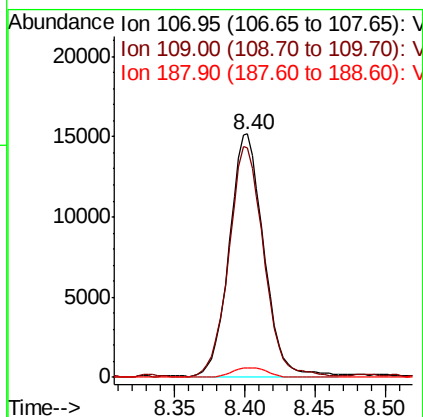
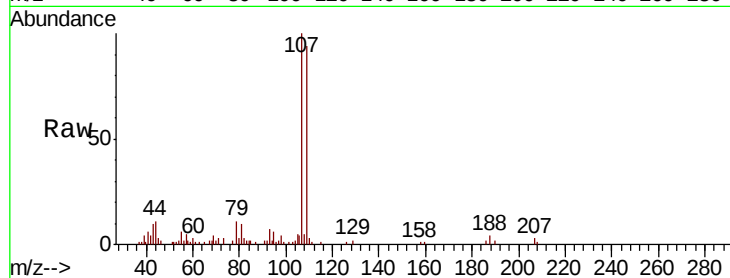




#50
 1,2-Dibromoethane
 Concen: 4.918 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

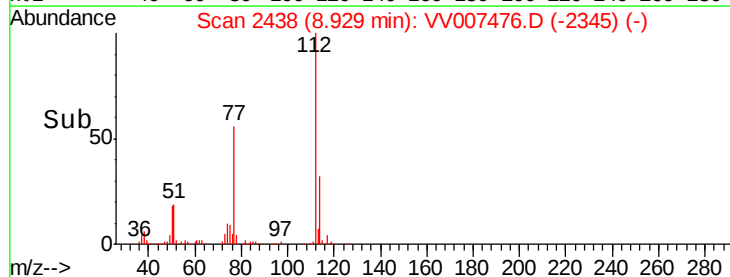
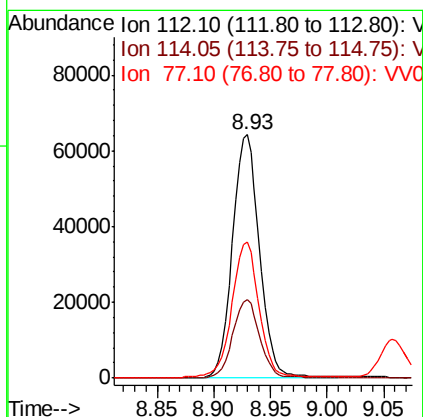
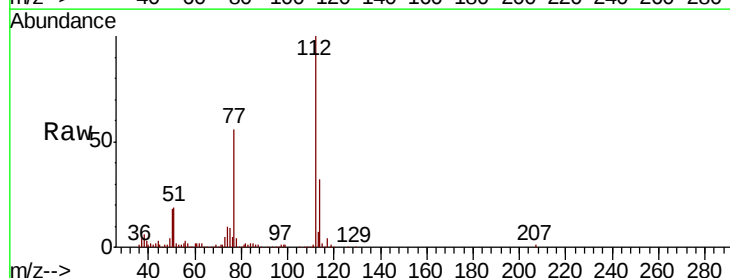
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

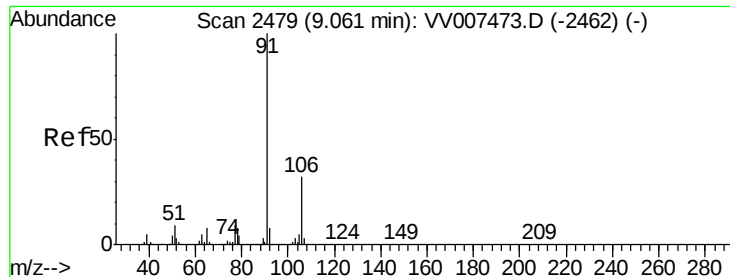
Tot Ion:107 Resp: 26220
 Ion Ratio Lower Upper
 107 100
 109 94.1 67.1 124.5
 188 3.7 3.2 4.8



#51
 Chlorobenzene
 Concen: 5.007 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

Tgt Ion:112 Resp: 107353
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.8 42.4
 77 55.8 45.4 68.0





#52

Ethylbenzene

Concen: 5.020 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampled :

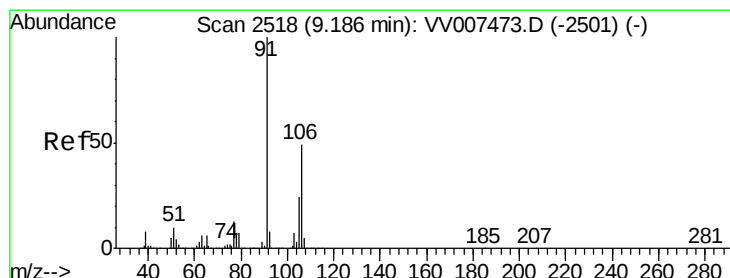
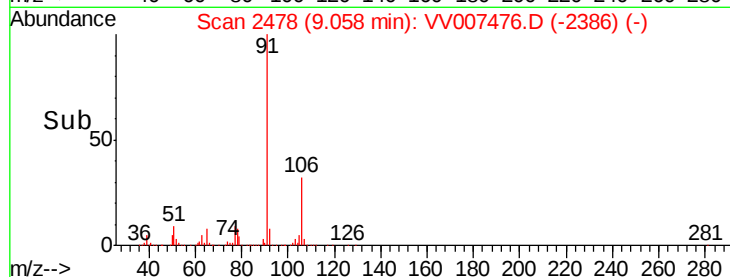
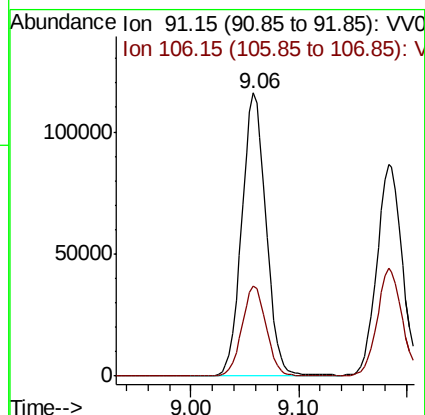
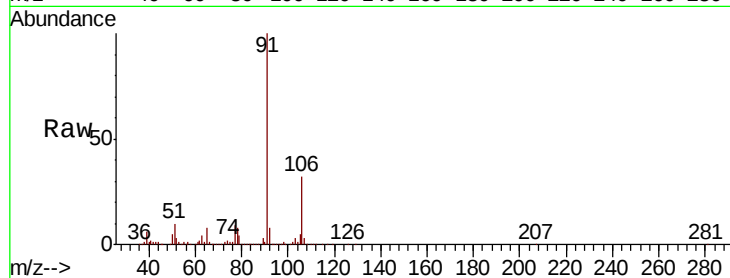
VICV69

Tot Ion: 91 Resp: 180594

Ion Ratio Lower Upper

91 100

106 31.7 22.7 42.1



#53

m,p-xylene

Concen: 4.966 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007476.D

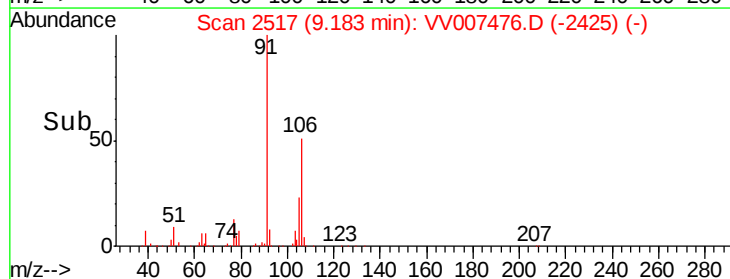
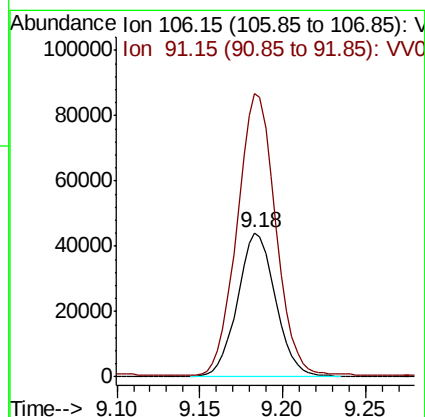
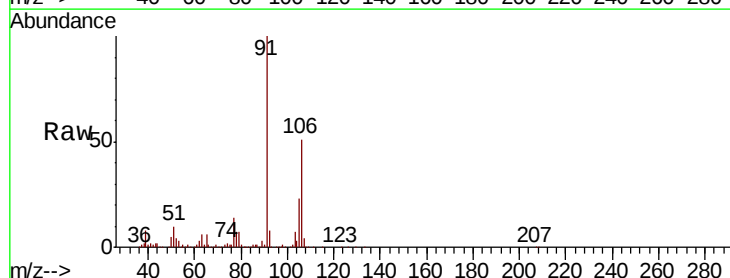
Acq: 12 Sep 2018 14:48

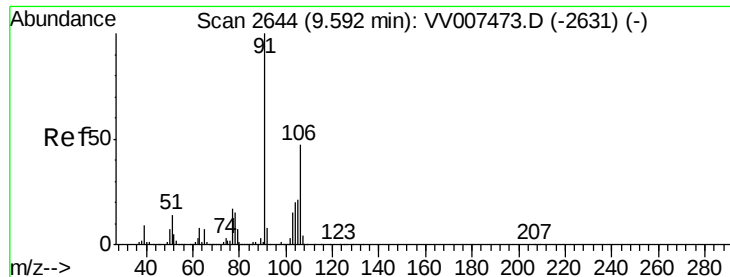
Tgt Ion: 106 Resp: 69486

Ion Ratio Lower Upper

106 100

91 196.5 142.3 264.3





#54

o-xylene

Concen: 4.963 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

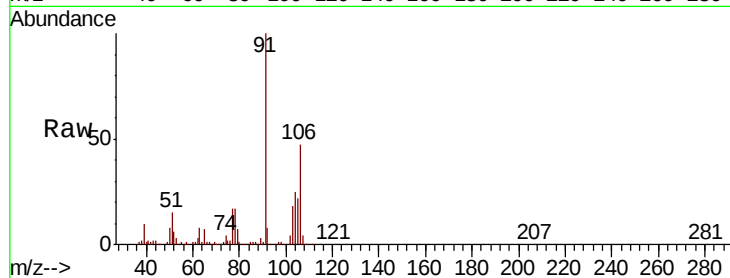
VICV69

Tot Ion:106 Resp: 67799

Ion Ratio Lower Upper

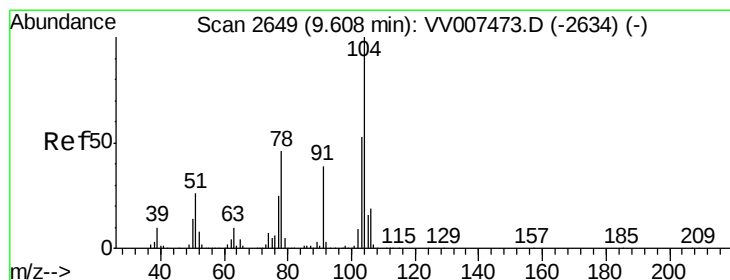
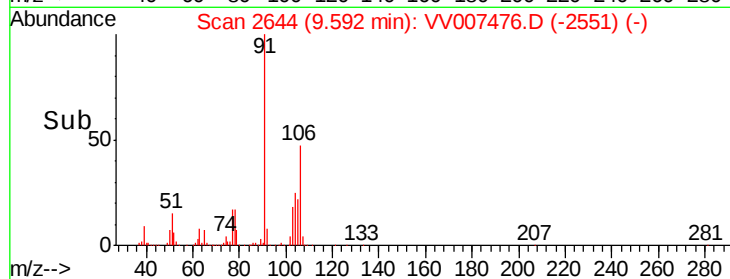
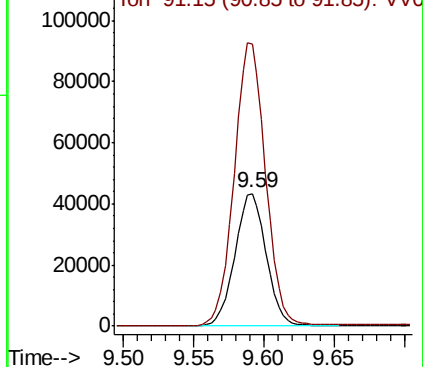
106 100

91 212.0 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.057 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007476.D

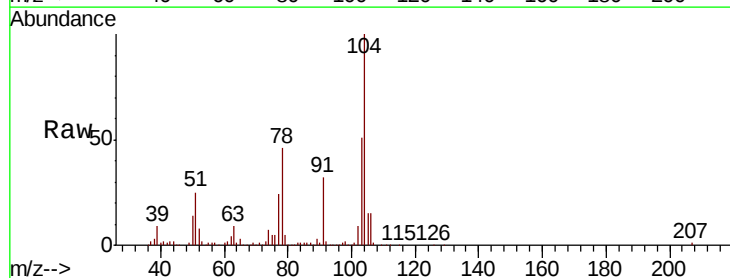
Acq: 12 Sep 2018 14:48

Tgt Ion:104 Resp: 113188

Ion Ratio Lower Upper

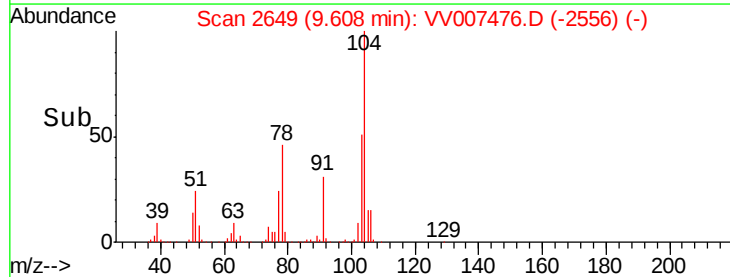
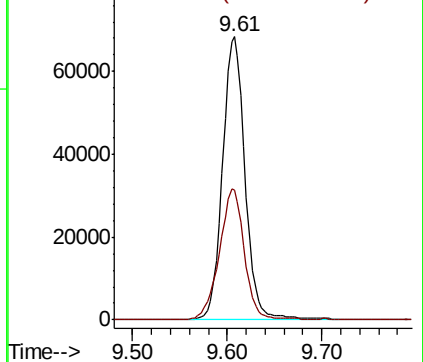
104 100

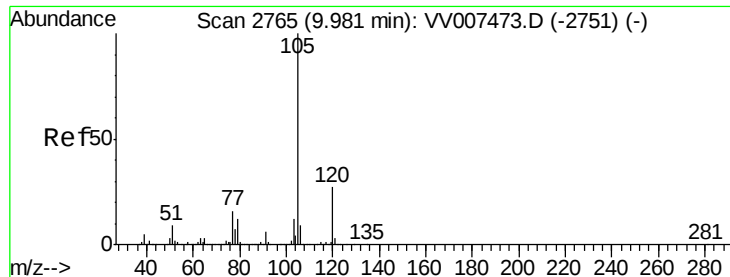
78 45.9 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.035 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

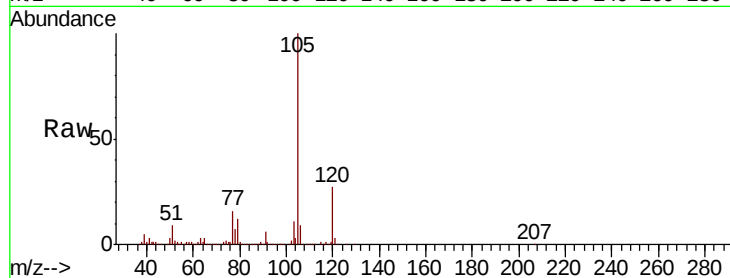
Tot Ion:105 Resp: 185245

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

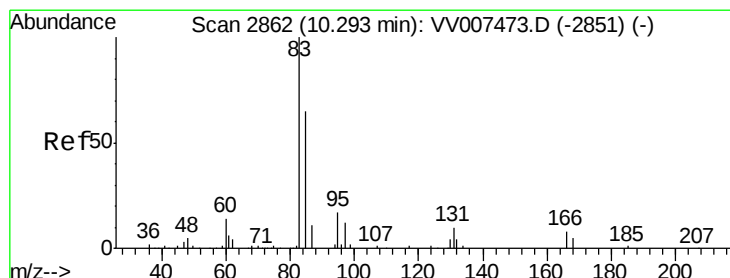
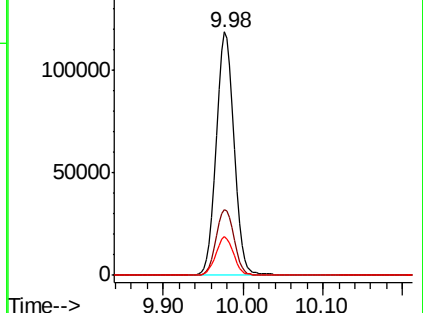
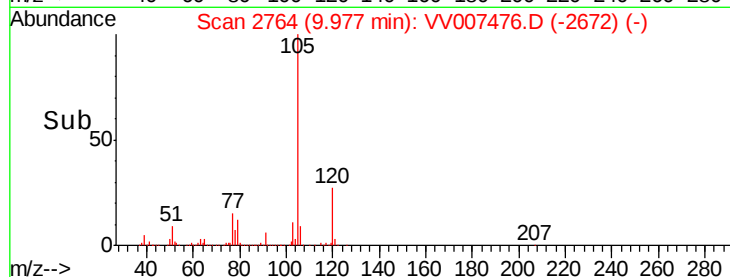
77 15.5 12.6 18.8



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: 4.531 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

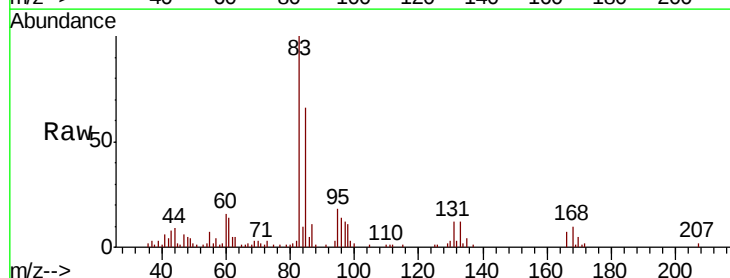
Tgt Ion: 83 Resp: 27153

Ion Ratio Lower Upper

83 100

85 66.5 48.2 89.4

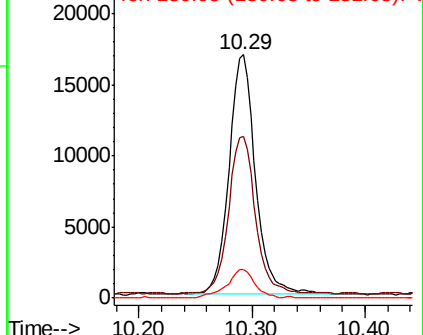
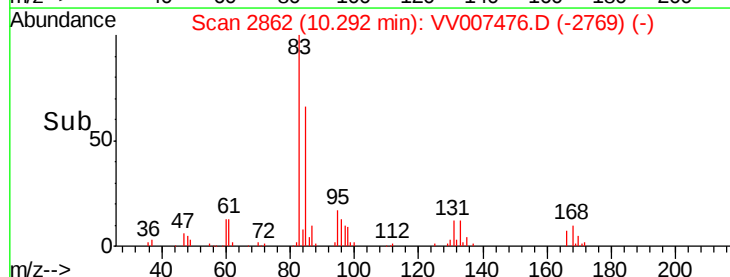
131 12.0 8.9 13.3

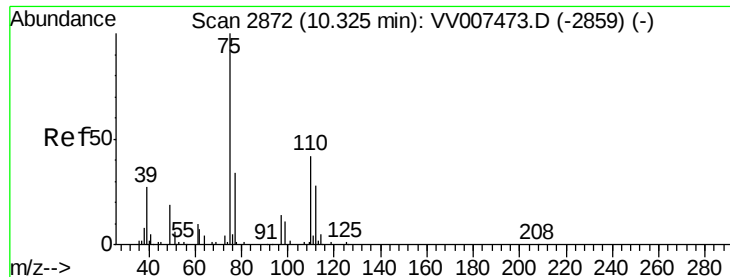


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.752 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampled :

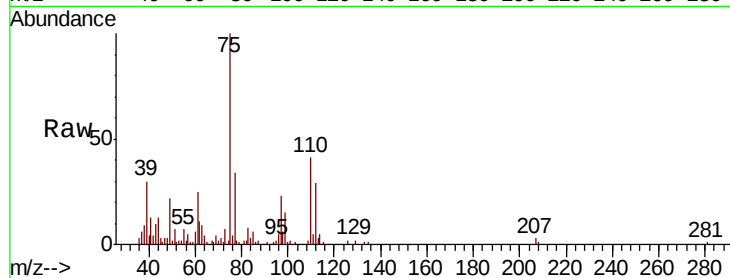
VICV69

Tot Ion: 75 Resp: 21840

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV007476.D (-2779) (-)

Ion 77.00 (76.70 to 77.70): VV007476.D (-2779) (-)

10.32

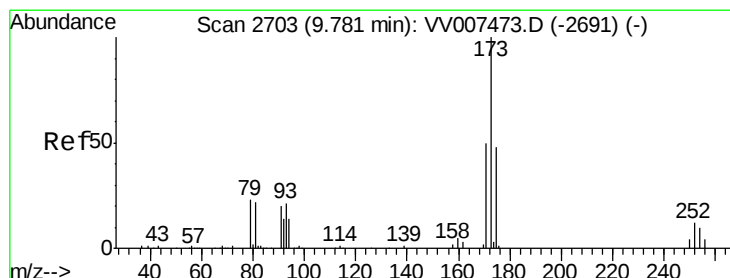
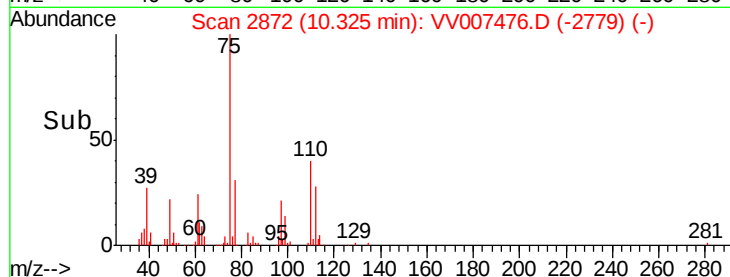
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.067 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

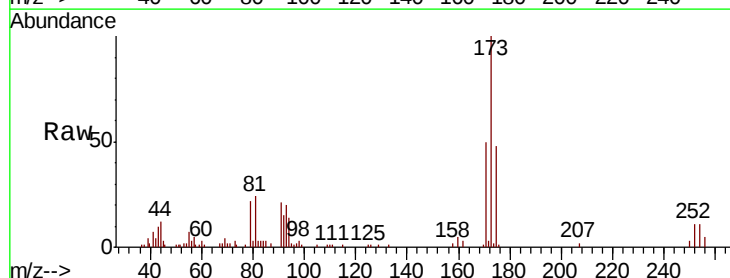
Tgt Ion: 173 Resp: 24027

Ion Ratio Lower Upper

173 100

175 47.7 40.5 60.7

254 11.0 9.2 13.8



Abundance Ion 172.90 (172.60 to 173.60): VV007476.D (-2610) (-)

Ion 174.90 (174.60 to 175.60): VV007476.D (-2610) (-)

Ion 253.75 (253.45 to 254.45): VV007476.D (-2610) (-)

9.78

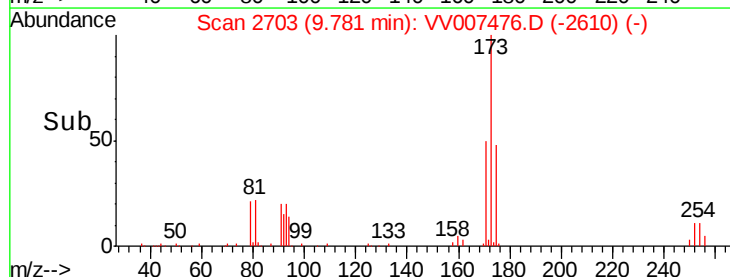
15000

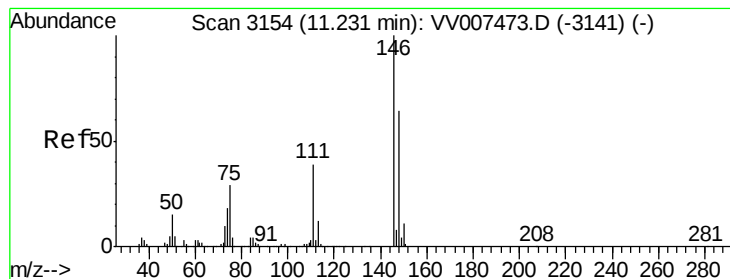
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.072 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampled :

VICV69

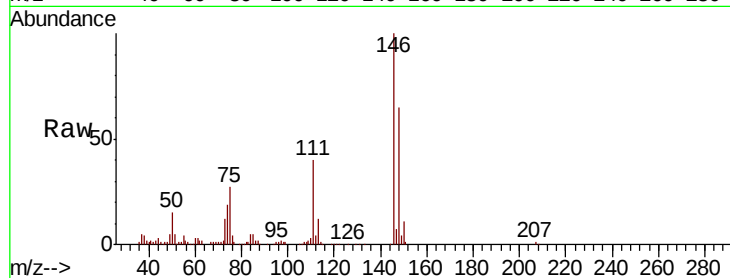
Tot Ion:146 Resp: 88245

Ion Ratio Lower Upper

146 100

111 39.8 27.4 51.0

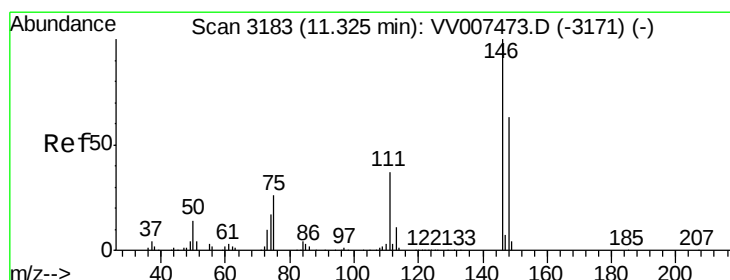
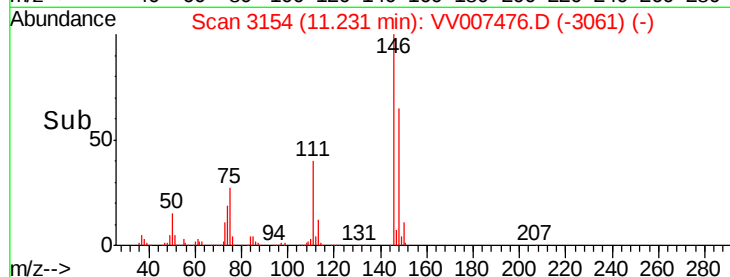
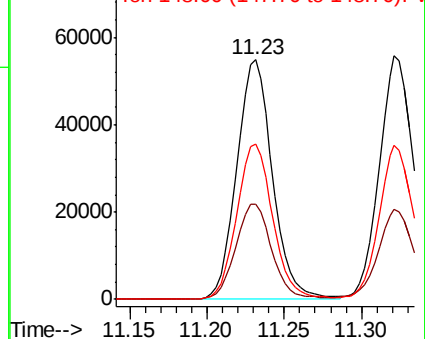
148 65.0 45.1 83.7



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: 5.150 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

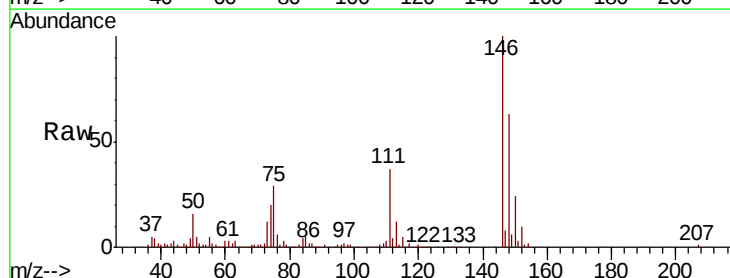
Tgt Ion:146 Resp: 89242

Ion Ratio Lower Upper

146 100

111 37.2 26.6 49.4

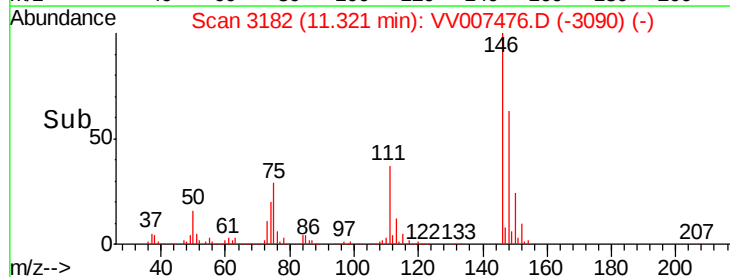
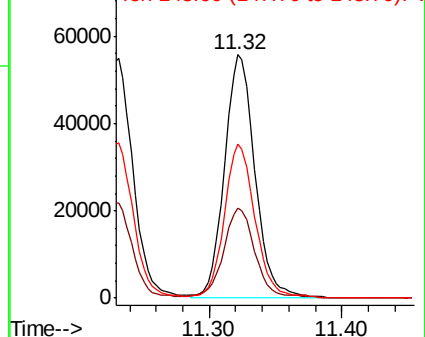
148 63.4 44.2 82.2

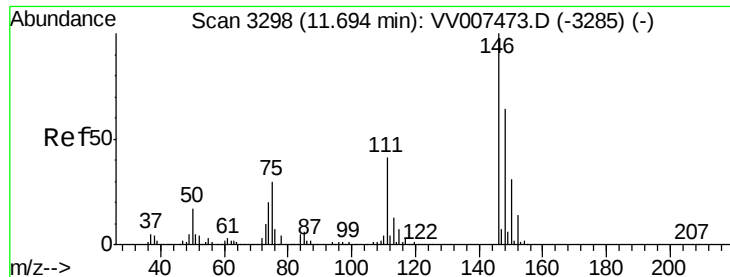


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.023 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

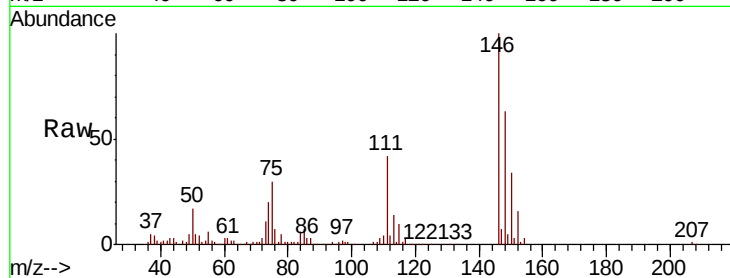
Tot Ion:146 Resp: 82070

Ion Ratio Lower Upper

146 100

111 42.1 33.0 49.4

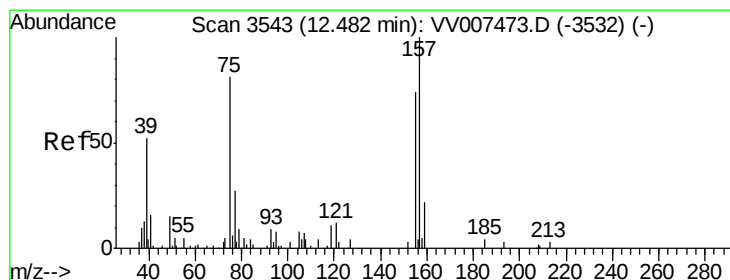
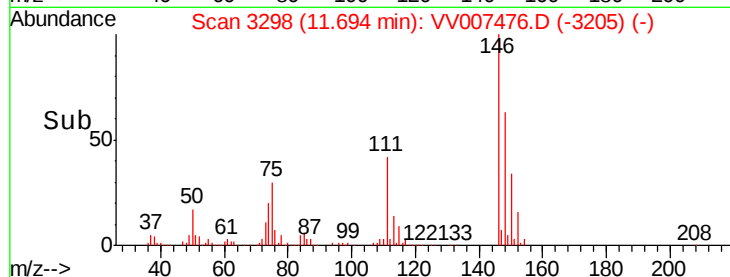
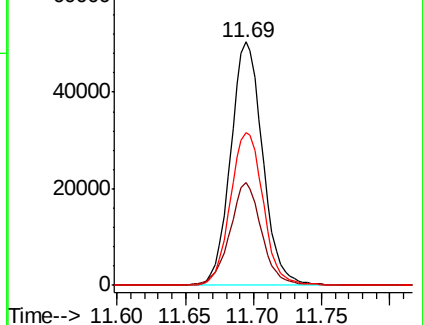
148 62.8 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.880 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

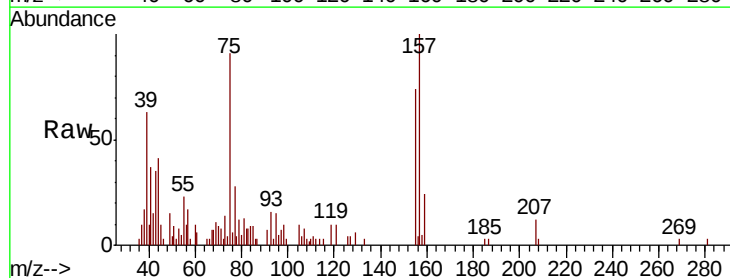
Tgt Ion: 75 Resp: 5929

Ion Ratio Lower Upper

75 100

155 81.6 73.3 109.9

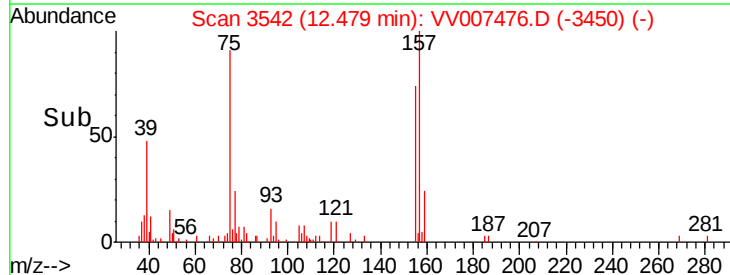
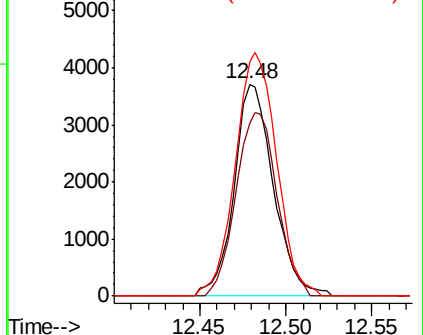
157 110.4 99.4 149.0

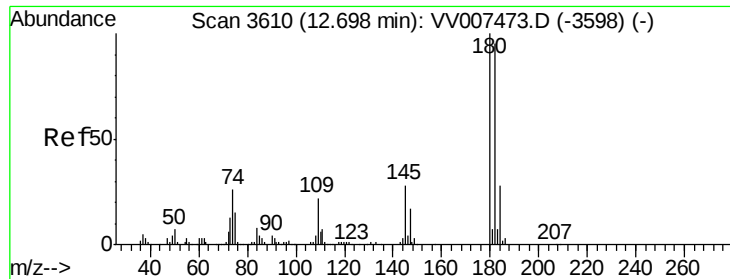


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

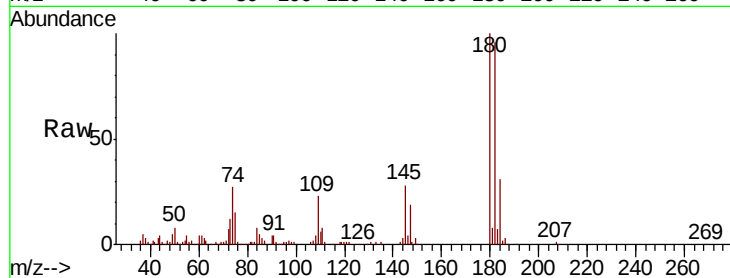




#67
 1,3,5-Trichlorobenzene
 Concen: 5.335 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.4	113.2
184	31.0	23.8	35.8
145	28.7	23.0	34.4



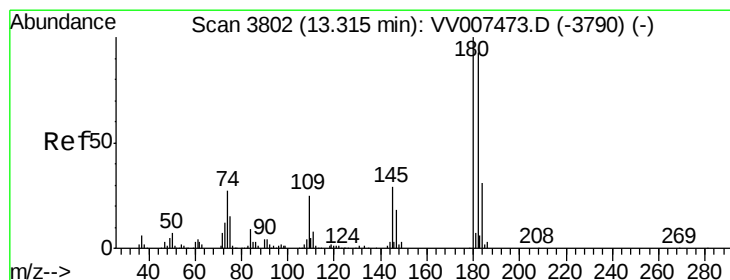
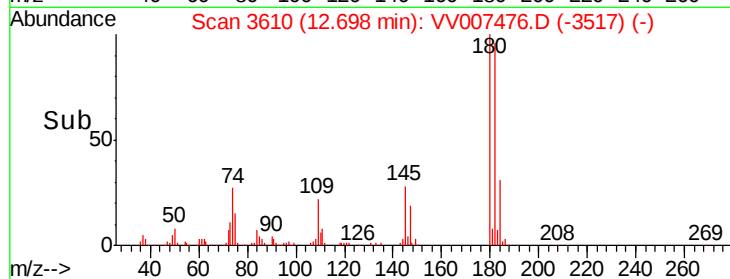
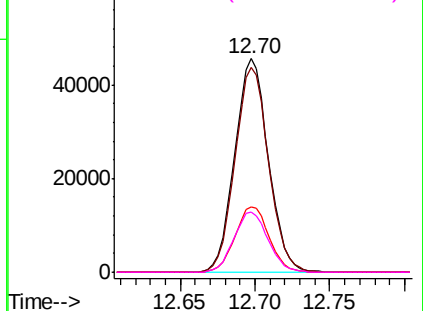
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

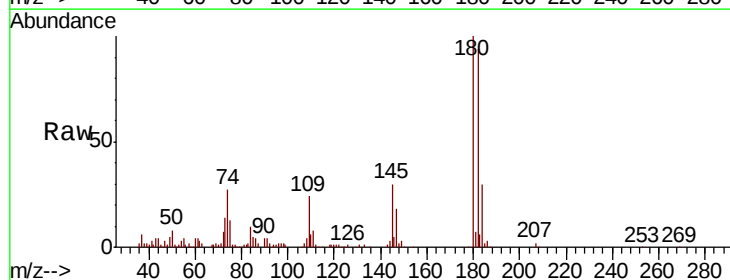
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.680 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007476.D
 Acq: 12 Sep 2018 14:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	29.6	23.3	34.9

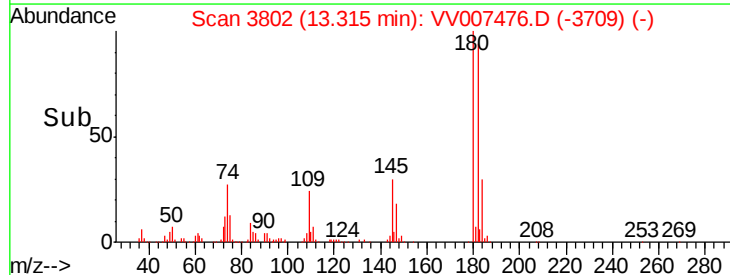
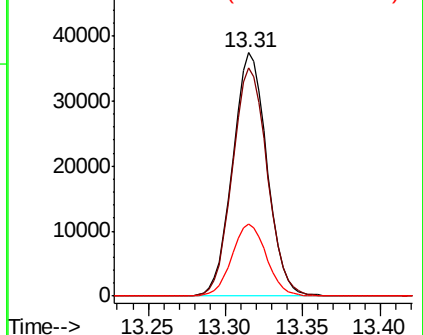


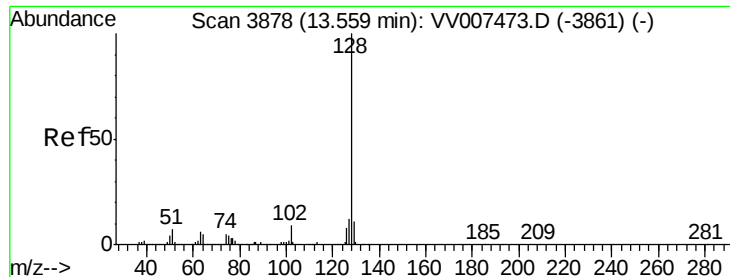
Abundance

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: 5.407 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

Instrument :

MSVOA_V

ClientSampleId :

VICV69

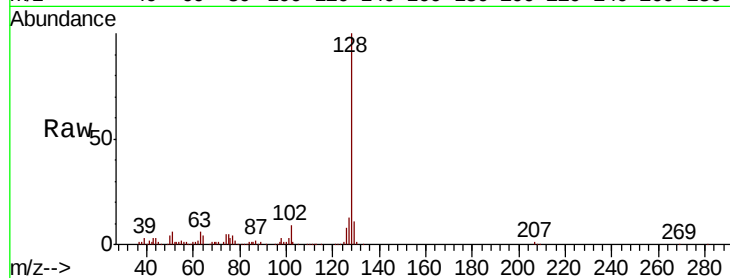
Tot Ion:128 Resp: 85150

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

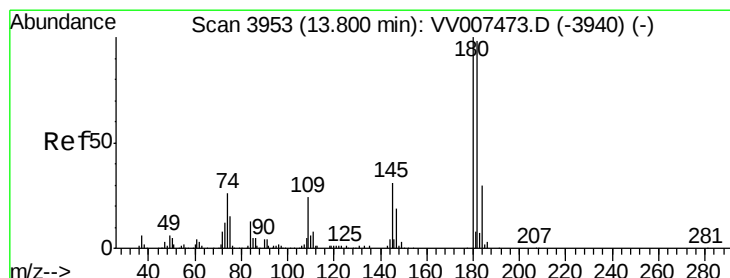
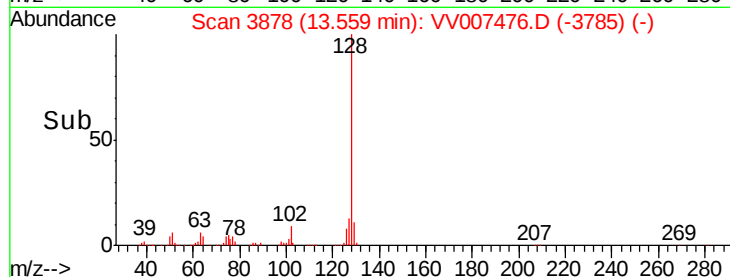
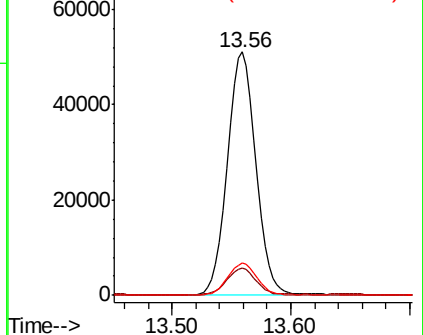
127 13.7 10.8 16.2



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: 5.563 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007476.D

Acq: 12 Sep 2018 14:48

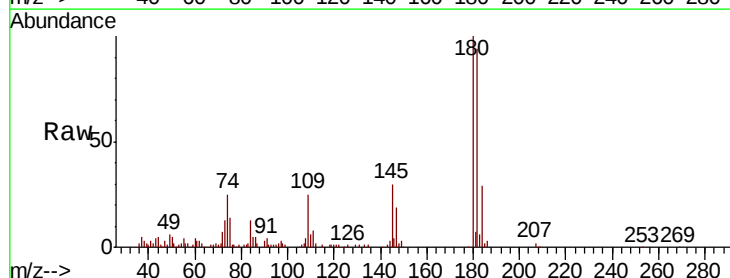
Tgt Ion:180 Resp: 52814

Ion Ratio Lower Upper

180 100

182 93.5 76.4 114.6

145 30.3 25.1 37.7



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

