

Data File : VV008165.D
Acq On : 08 Oct 2018 21:07
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Quant Time: Oct 09 03:40:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 09 03:37:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	93217	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26901	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.59	69	22026	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.14	63	52148	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	3.96	46	66400	48.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.48%
24) Chloroform-d	4.41	84	58329	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.09	65	27609	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.10	84	109189	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.12	67	33763	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	110515	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.67	79	12249	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.14	63	46694	46.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24473	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	41006	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	33231	5.258	ug/L 98
3) Chloromethane	1.25	50	27854	5.229	ug/L 98
5) Vinyl chloride	1.32	62	30492	5.141	ug/L 97
6) Bromomethane	1.54	94	17149	6.104	ug/L 100
8) Chloroethane	1.60	64	18798	4.743	ug/L 96
9) Trichlorofluoromethane	1.77	101	51789	5.098	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	30673	5.077	ug/L 98
12) 1,1-Dichloroethene	2.14	96	25614	5.072	ug/L 94
13) Acetone	2.21	43	42027	45.059	ug/L 99
14) Carbon disulfide	2.32	76	60674	4.721	ug/L 98
15) Methyl Acetate	2.47	43	11149	5.035	ug/L 98
16) Methylene chloride	2.54	84	28558	4.661	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	65249	5.155	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	27920	5.065	ug/L 97
19) 1,1-Dichloroethane	3.23	63	55107	5.251	ug/L 98
21) 2-Butanone	4.05	43	75297	50.043	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	32008	5.149	ug/L 96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 09 03:37:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	14912	5.283	ug/L	99
25) Chloroform	4.43	83	60161	5.327	ug/L	98
27) 1,2-Dichloroethane	5.19	62	34000	5.124	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	52309	5.245	ug/L	99
30) Cyclohexane	4.73	56	40900	4.938	ug/L	99
31) Carbon tetrachloride	4.88	117	45874	5.119	ug/L	100
33) Benzene	5.15	78	120793	5.331	ug/L	100
34) Trichloroethene	5.96	95	32702	4.946	ug/L	99
35) Methylcyclohexane	6.18	83	45293	4.903	ug/L	98
37) 1,2-Dichloropropane	6.23	63	32370	5.295	ug/L	100
38) Bromodichloromethane	6.56	83	38850	5.194	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	39935	5.094	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	180518	52.098	ug/L	99
42) Toluene	7.43	91	132680	5.512	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	32893	5.159	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	22889	5.337	ug/L	98
47) Tetrachloroethene	8.02	164	29883	5.060	ug/L	98
48) 2-Hexanone	8.19	43	134025	56.976	ug/L	99
49) Dibromochloromethane	8.30	129	27335	5.109	ug/L	97
50) 1,2-Dibromoethane	8.40	107	21072	5.412	ug/L	97
51) Chlorobenzene	8.93	112	90045	5.349	ug/L	99
52) Ethylbenzene	9.06	91	137935	5.250	ug/L	100
53) m,p-xylene	9.19	106	54263	5.448	ug/L	94
54) o-xylene	9.59	106	51626	5.429	ug/L	97
55) Styrene	9.61	104	89114	5.503	ug/L	99
56) Isopropylbenzene	9.98	105	140520	5.373	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25692	5.168	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	19111	5.354	ug/L	96
61) Bromoform	9.78	173	15158	5.275	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	71978	5.181	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	73314	5.176	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	69951	5.211	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3511	5.008	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	61209	5.170	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	44457	5.034	ug/L	99
69) Naphthalene	13.56	128	53550	4.749	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	43308	5.156	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

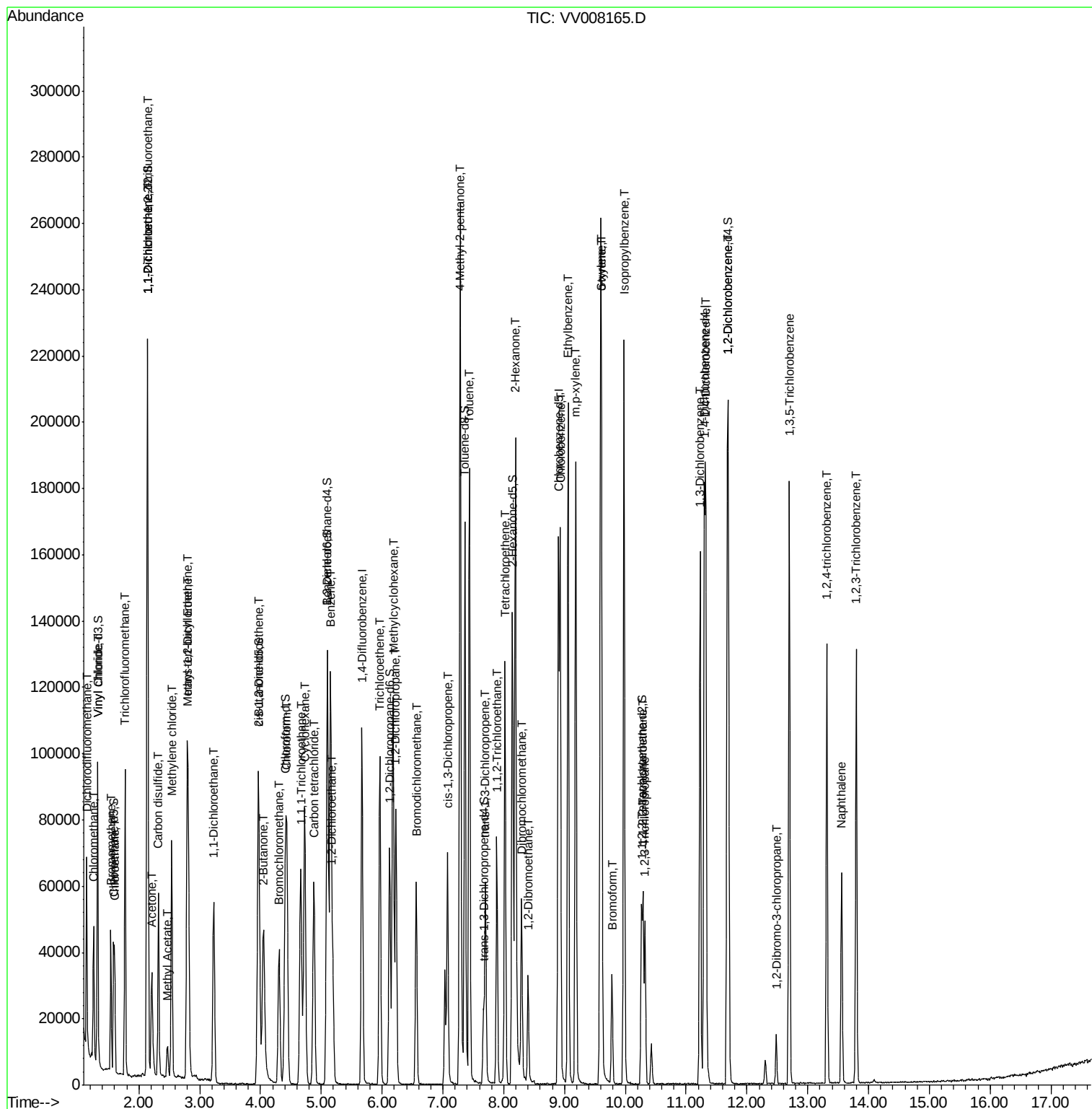
Quant Time: Oct 09 03:40:31 2018

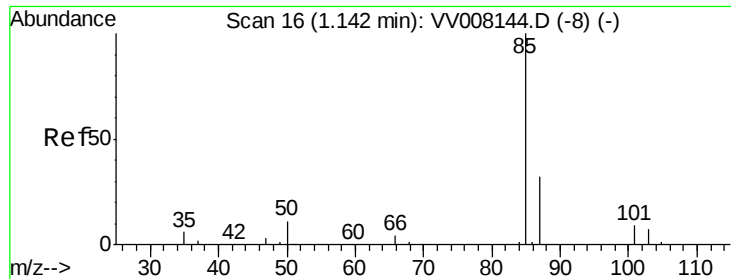
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR100518WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.258 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

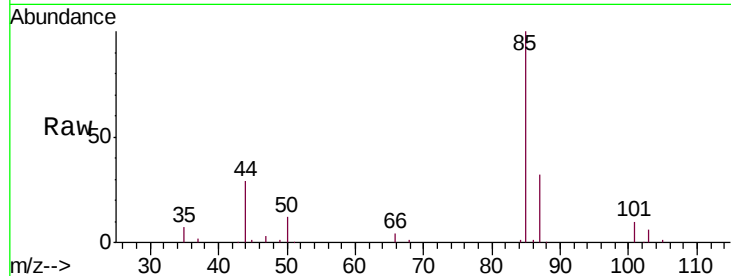
VSTD00579

Tgt Ion: 85 Resp: 33231

Ion Ratio Lower Upper

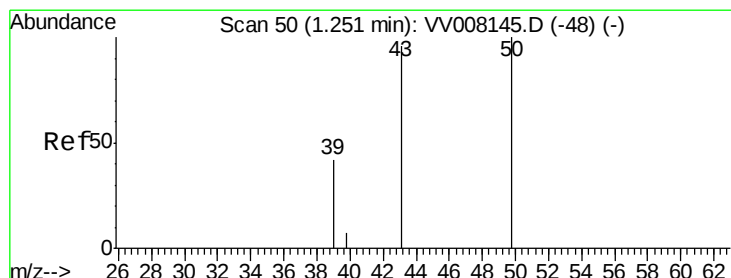
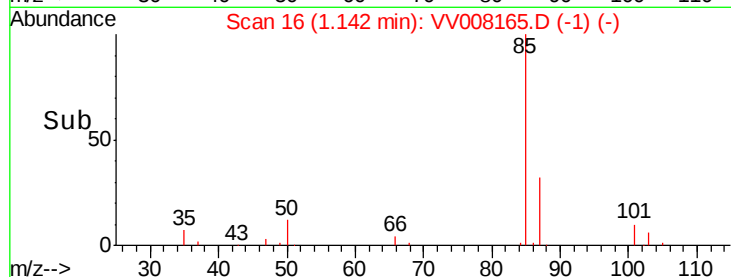
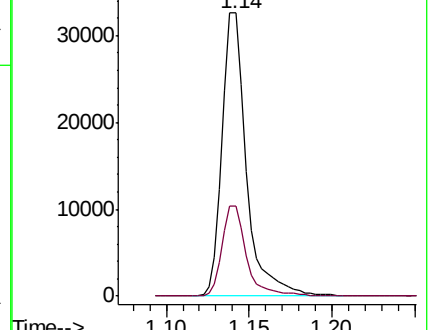
85 100

87 31.8 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV008144.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008144.D (-8) (-)



#3

Chloromethane

Concen: 5.229 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008165.D

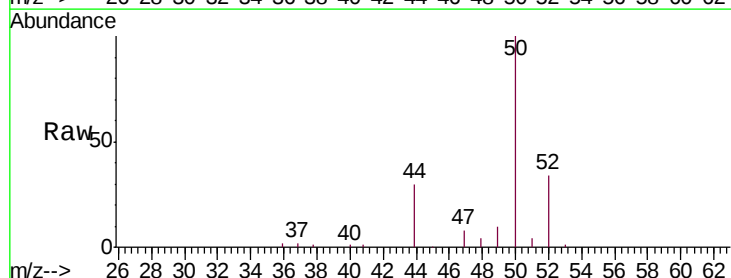
Acq: 08 Oct 2018 21:07

Tgt Ion: 50 Resp: 27854

Ion Ratio Lower Upper

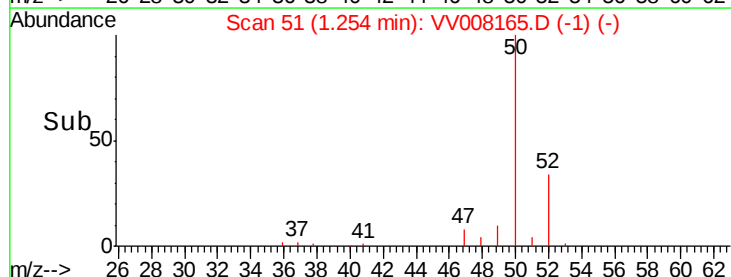
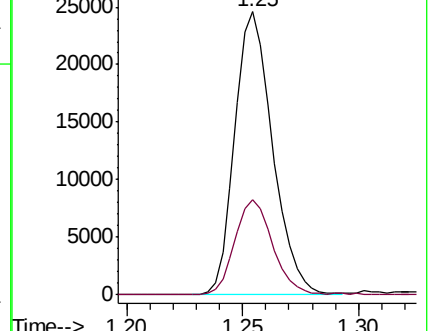
50 100

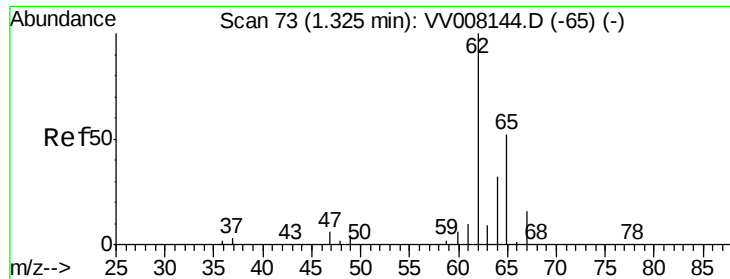
52 33.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008145.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VV008145.D (-48) (-)





#5

Vinyl chloride

Concen: 5.141 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

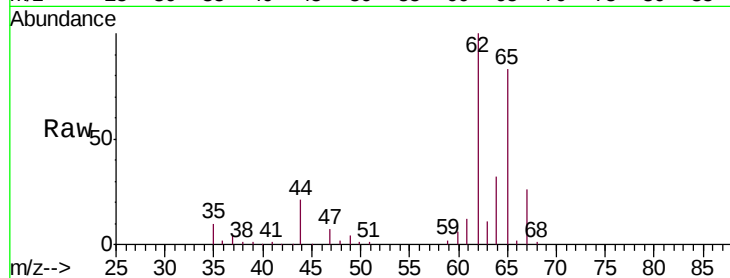
VSTD00579

Tgt Ion: 62 Resp: 30492

Ion Ratio Lower Upper

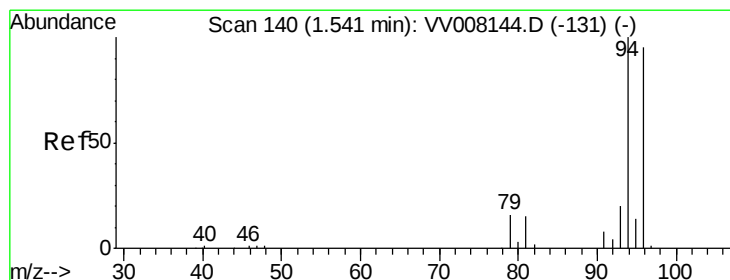
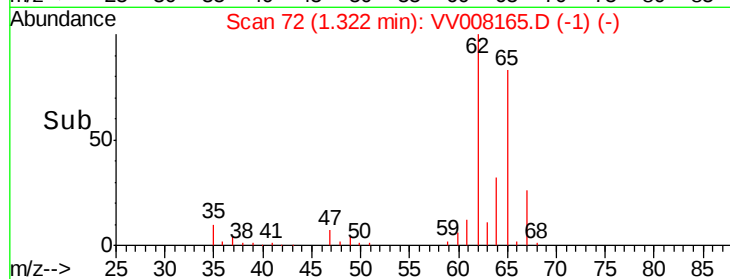
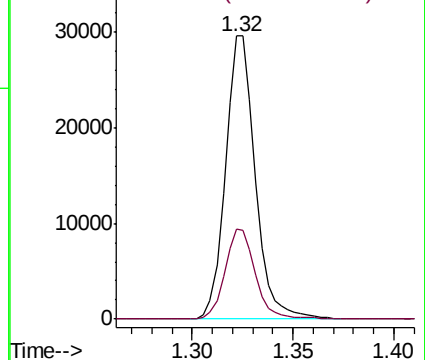
62 100

64 31.8 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.104 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008165.D

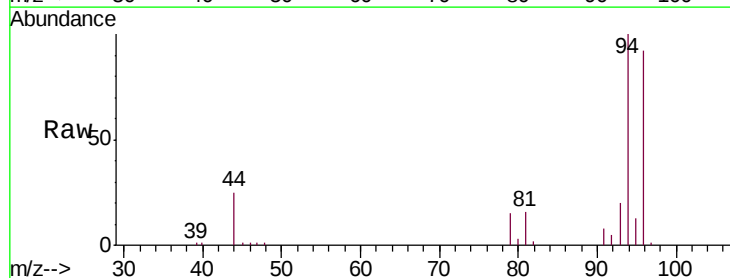
Acq: 08 Oct 2018 21:07

Tgt Ion: 94 Resp: 17149

Ion Ratio Lower Upper

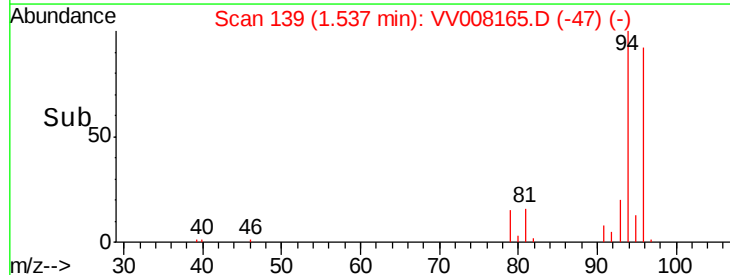
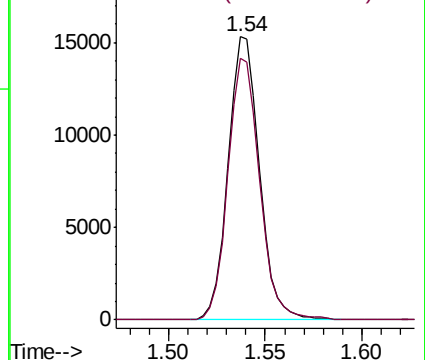
94 100

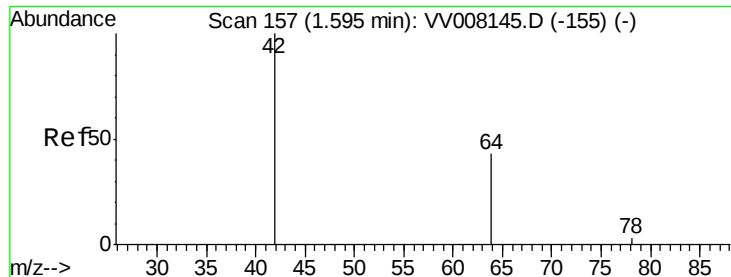
96 92.3 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

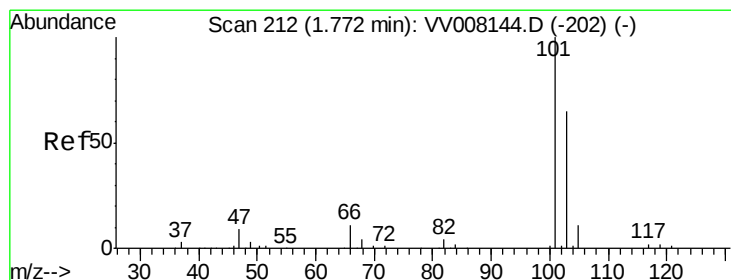
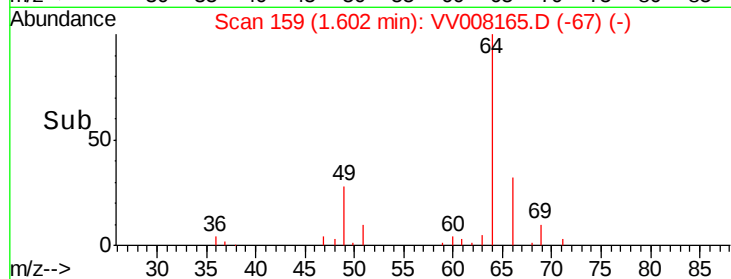
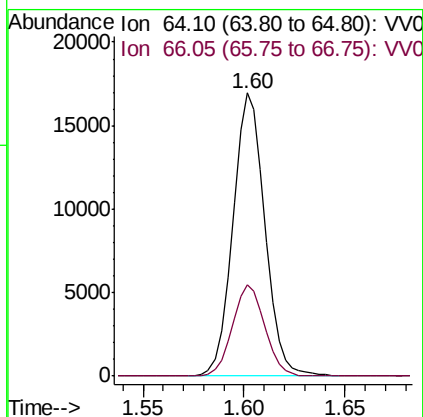
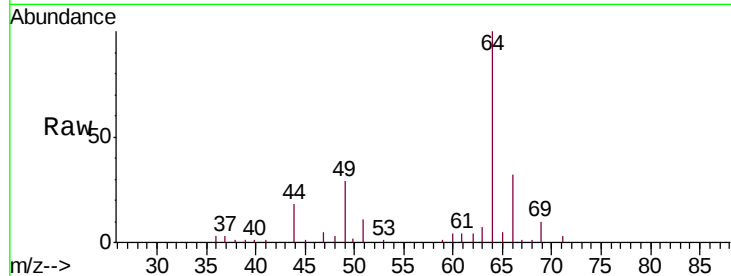




#8
Chloroethane
Concen: 4.743 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

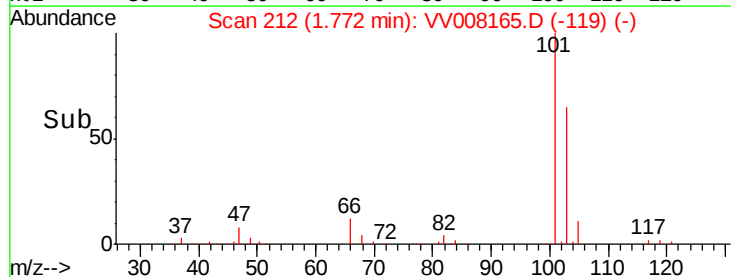
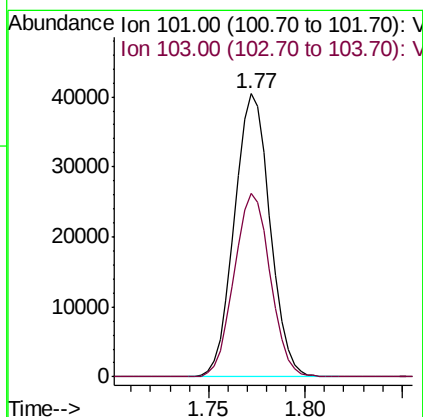
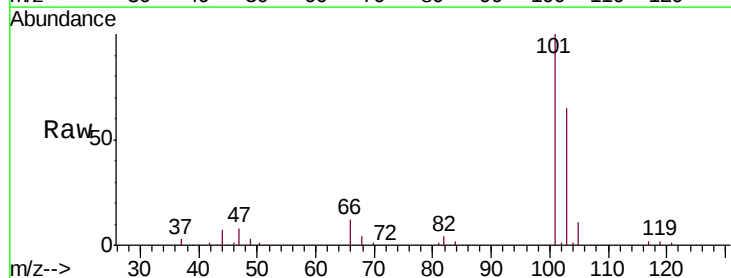
Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

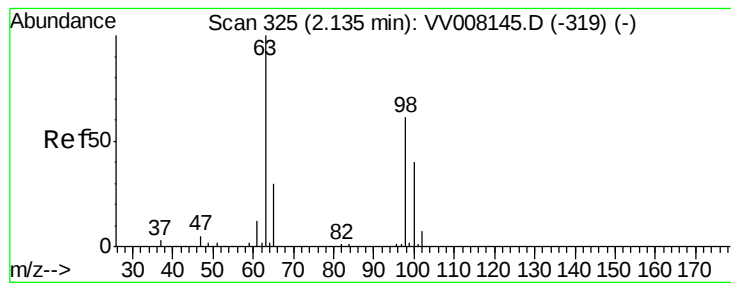
Tgt Ion: 64 Resp: 18798
Ion Ratio Lower Upper
64 100
66 32.1 24.1 44.8



#9
Trichlorofluoromethane
Concen: 5.098 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 101 Resp: 51789
Ion Ratio Lower Upper
101 100
103 65.7 53.1 79.7





#10

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

Concen: 5.077 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

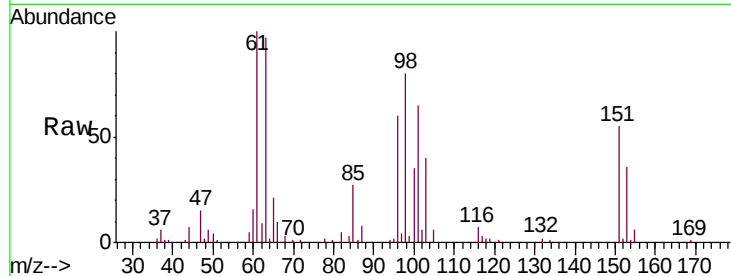
Tgt Ion: 101 Resp: 30673

Ion Ratio Lower Upper

101 100

85 42.3 35.4 53.0

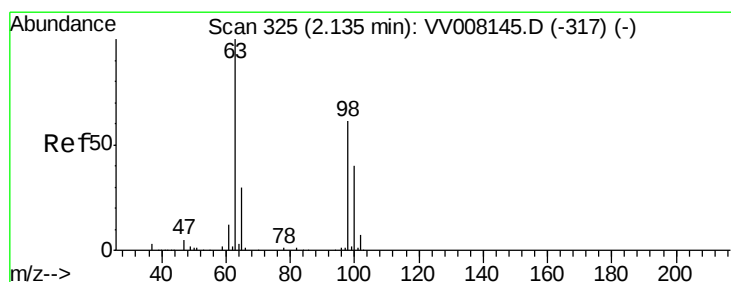
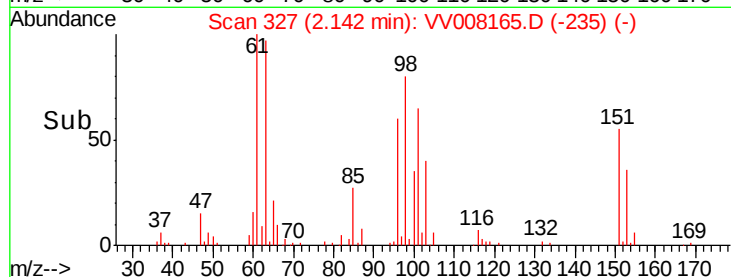
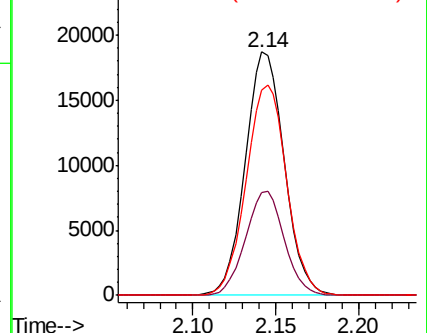
151 89.5 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): VV008165.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV008165.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV008165.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 5.072 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

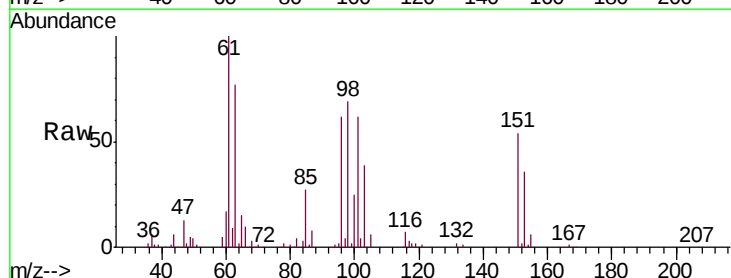
Tgt Ion: 96 Resp: 25614

Ion Ratio Lower Upper

96 100

61 162.6 114.7 213.1

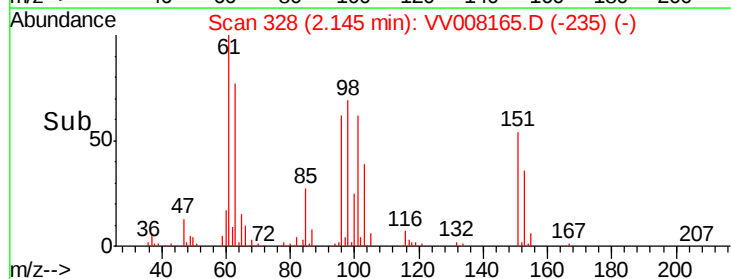
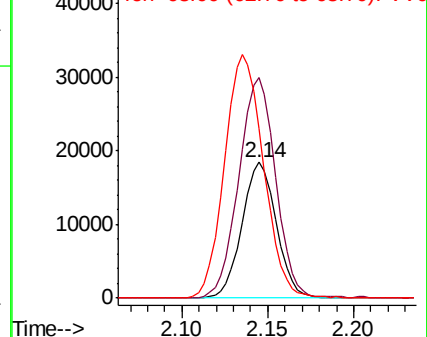
63 124.6 96.9 179.9

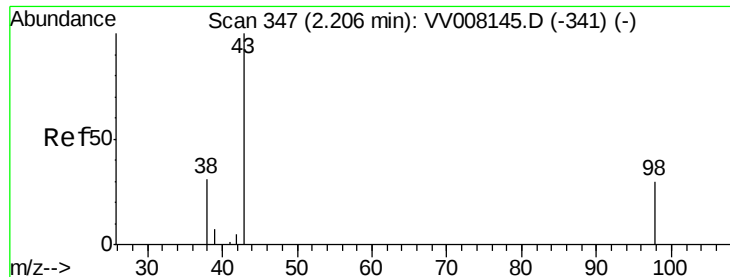


Abundance Ion 96.00 (95.70 to 96.70): VV008165.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008165.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008165.D (-235) (-)





#13

Acetone

Concen: 45.059 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

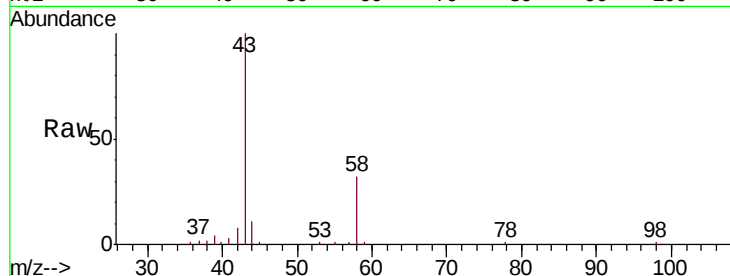
VSTD00579

Tgt Ion: 43 Resp: 42027

Ion Ratio Lower Upper

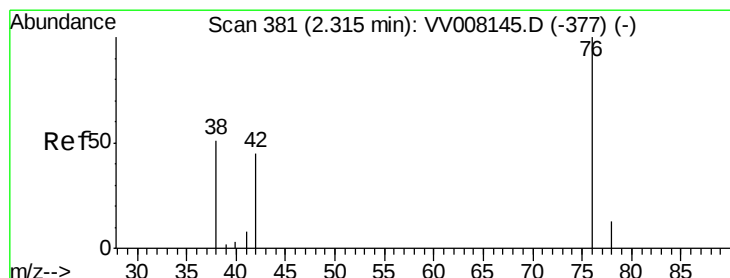
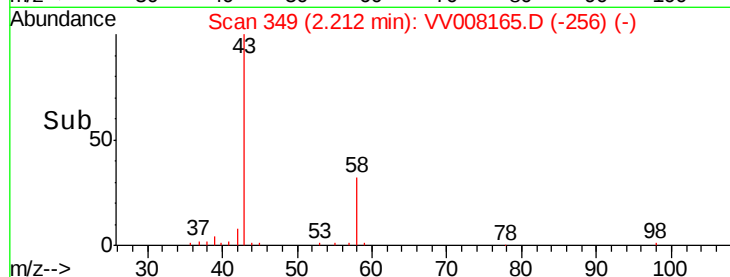
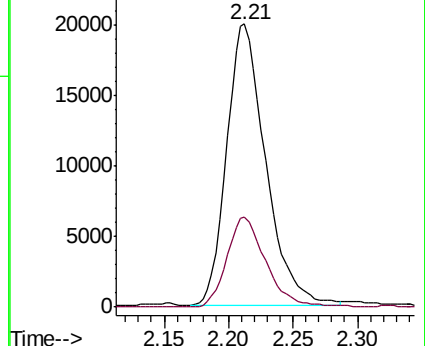
43 100

58 31.9 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008145.D (-341) (-)

Ion 58.05 (57.75 to 58.75): VV008145.D (-341) (-)



#14

Carbon disulfide

Concen: 4.721 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008165.D

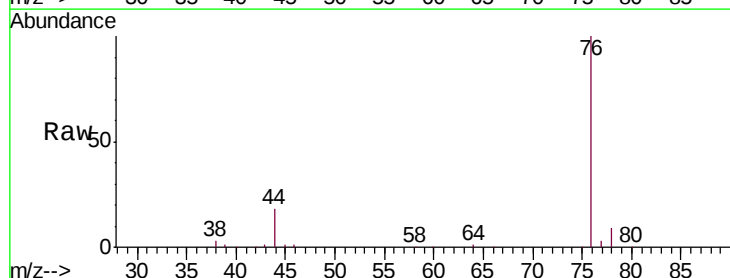
Acq: 08 Oct 2018 21:07

Tgt Ion: 76 Resp: 60674

Ion Ratio Lower Upper

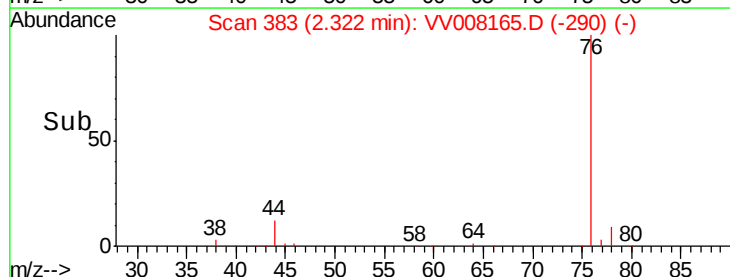
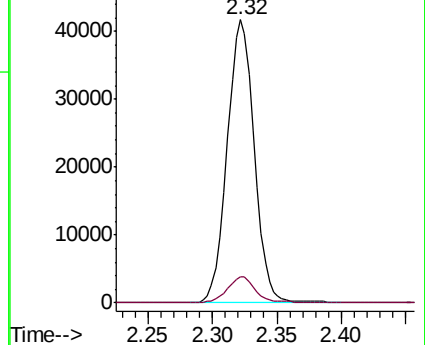
76 100

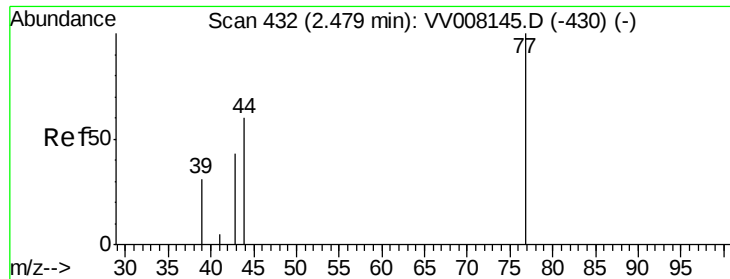
78 9.3 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008145.D (-377) (-)

Ion 78.00 (77.70 to 78.70): VV008145.D (-377) (-)

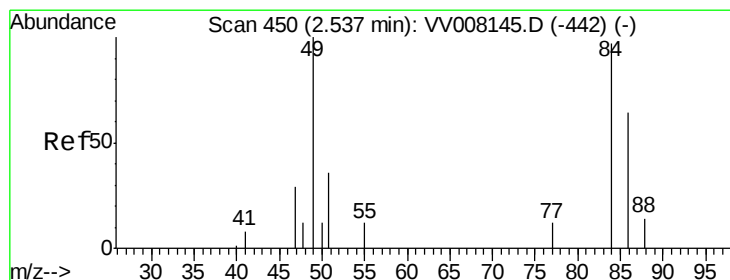
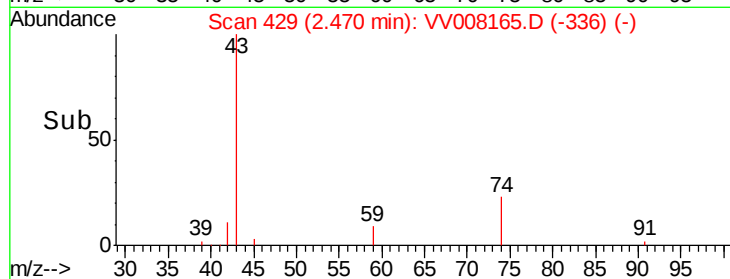
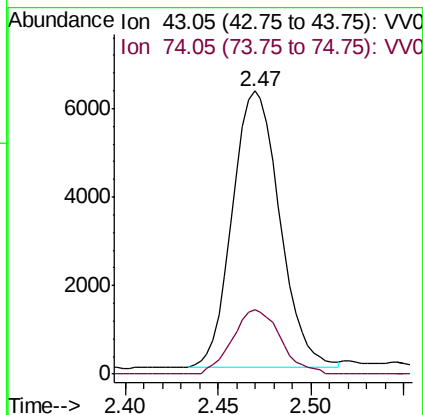
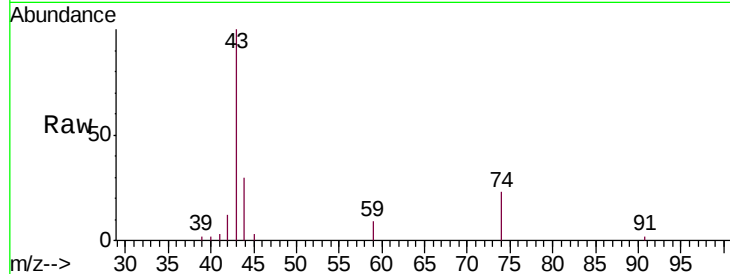




#15
Methyl Acetate
Concen: 5.035 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

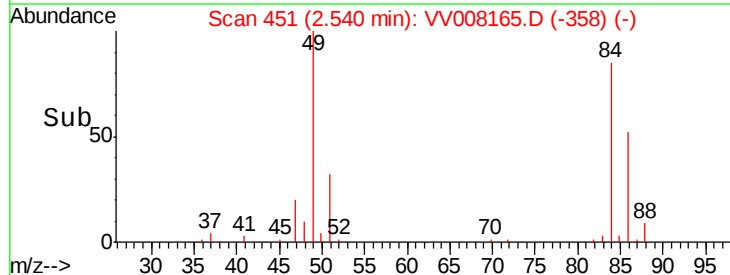
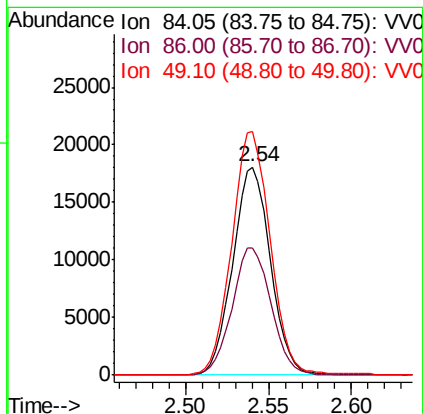
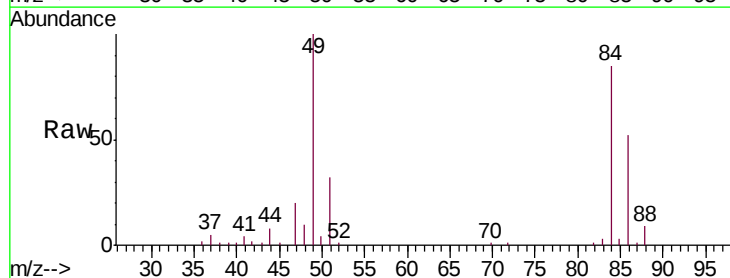
Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

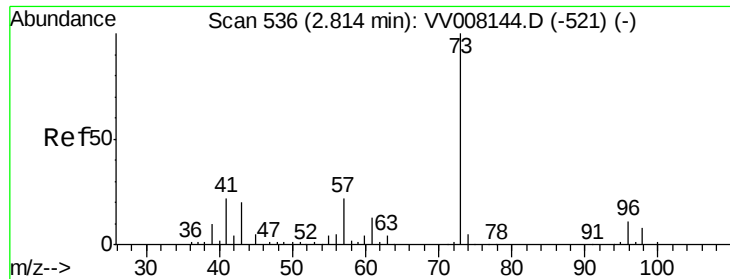
Tgt Ion: 43 Resp: 11149
Ion Ratio Lower Upper
43 100
74 23.6 18.1 27.1



#16
Methylene chloride
Concen: 4.661 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 84 Resp: 28558
Ion Ratio Lower Upper
84 100
86 61.4 45.3 84.1
49 117.2 83.0 154.1

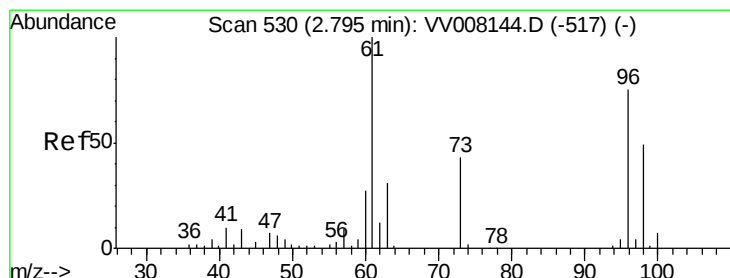
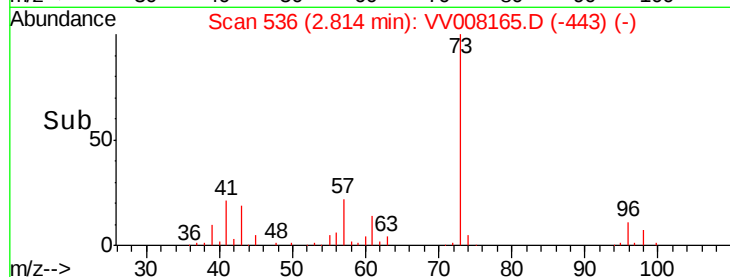
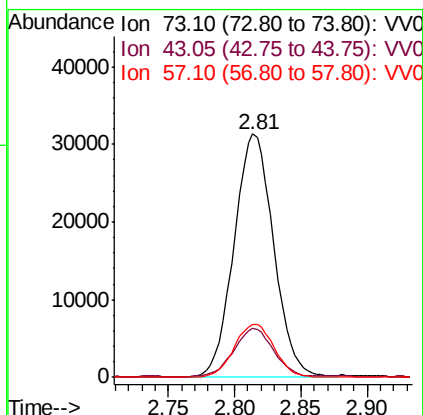
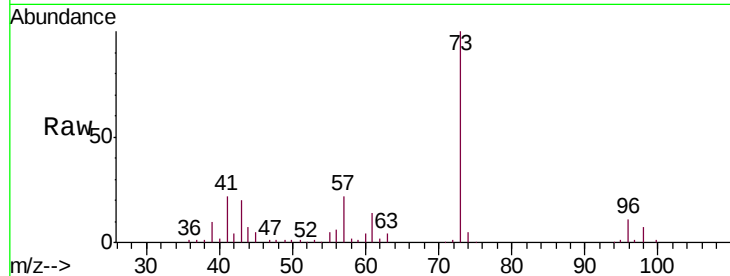




#17
Methyl tert-butyl Ether
Concen: 5.155 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

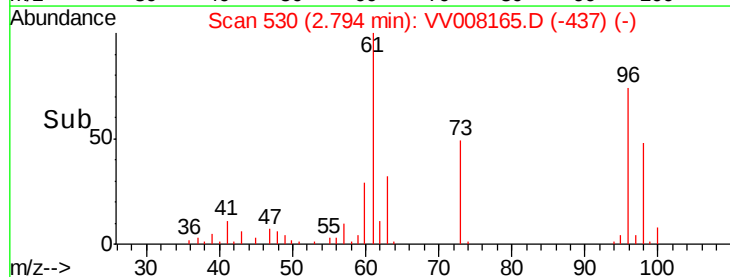
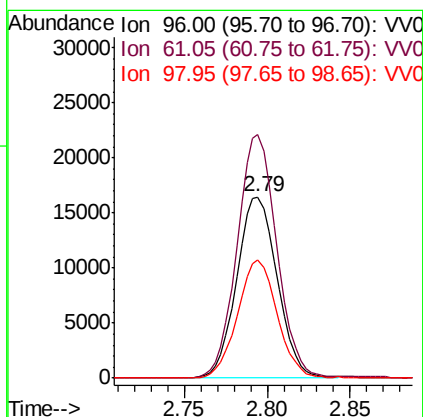
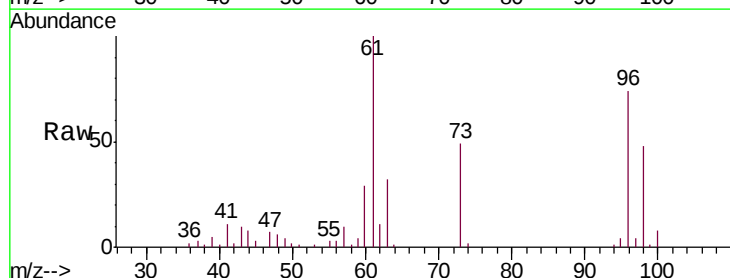
Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

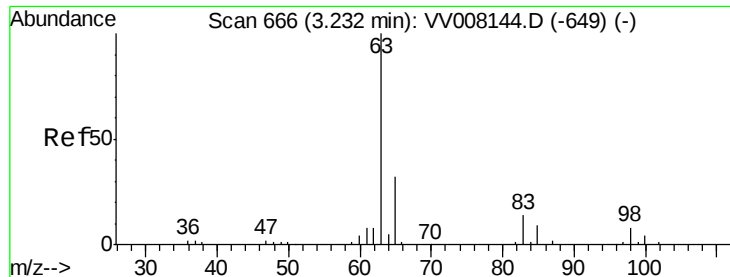
Tgt Ion: 73 Resp: 65249
Ion Ratio Lower Upper
73 100
43 20.8 17.0 25.4
57 22.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.065 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 96 Resp: 27920
Ion Ratio Lower Upper
96 100
61 134.5 91.6 170.2
98 65.0 44.4 82.5

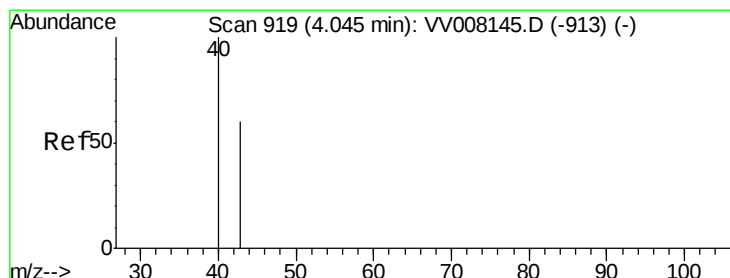
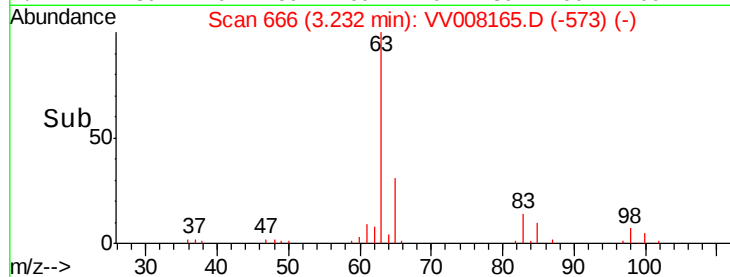
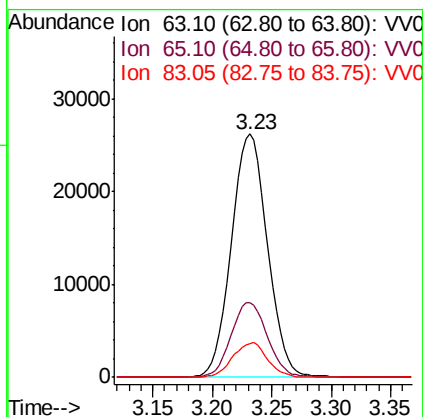
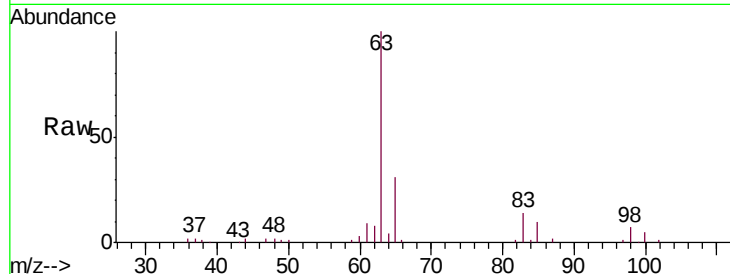




#19
 1,1-Dichloroethane
 Concen: 5.251 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

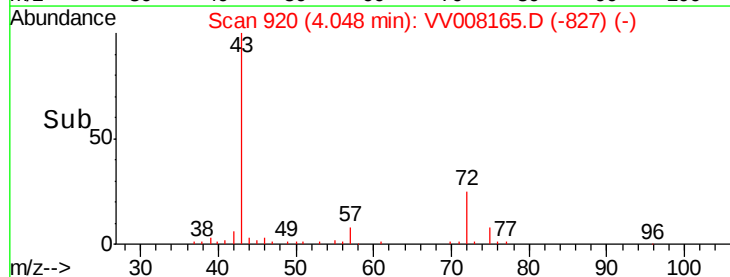
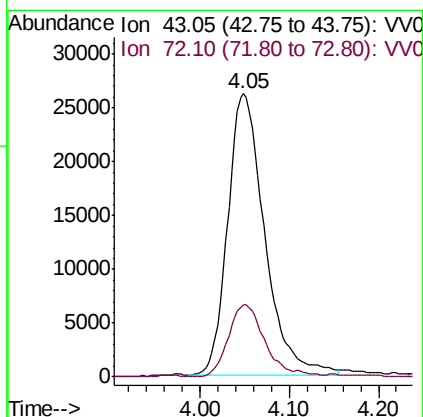
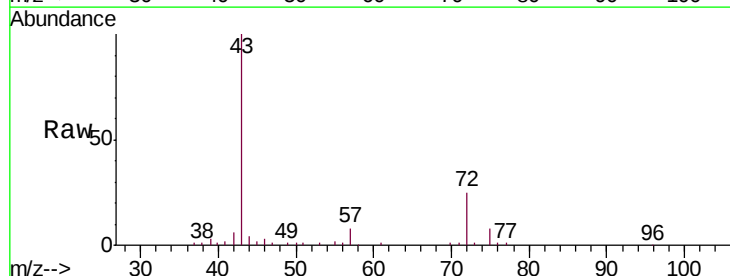
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

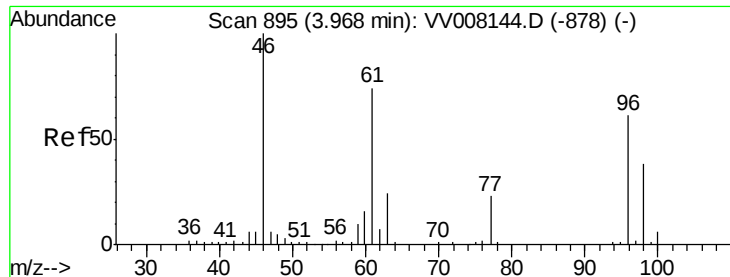
Tgt Ion: 63 Resp: 55107
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.4 41.6
 83 14.1 9.6 17.8



#21
 2-Butanone
 Concen: 50.043 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion: 43 Resp: 75297
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.9 38.6



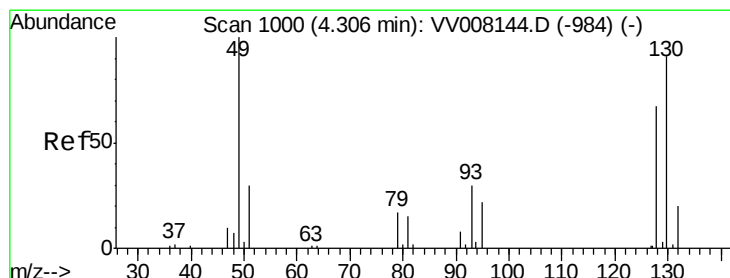
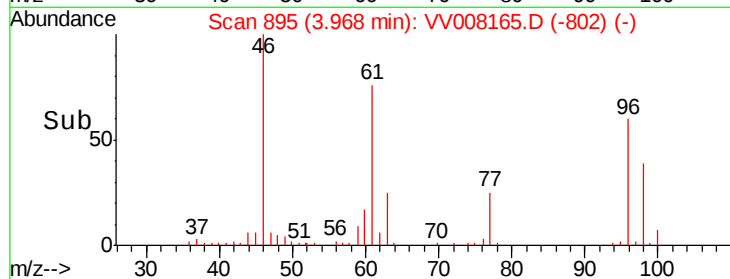
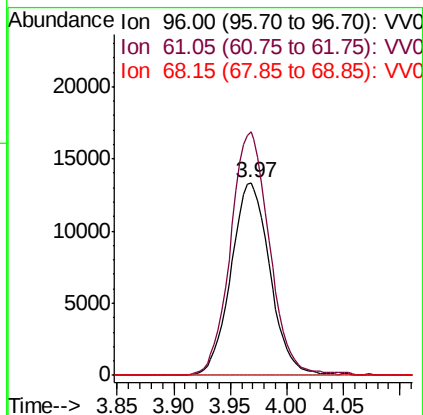
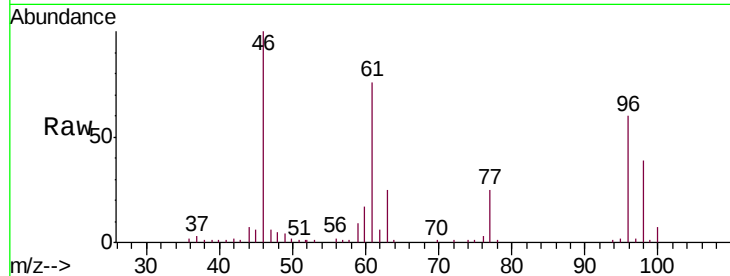


#22

cis-1,2-Dichloroethene
Concen: 5.149 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

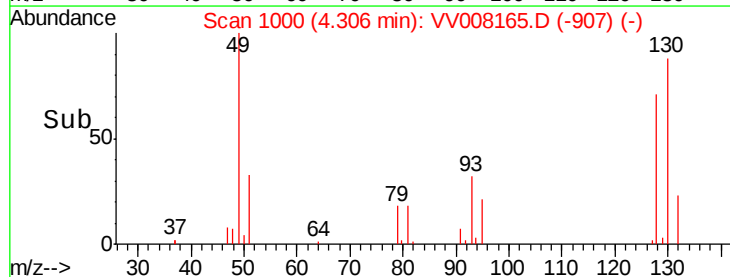
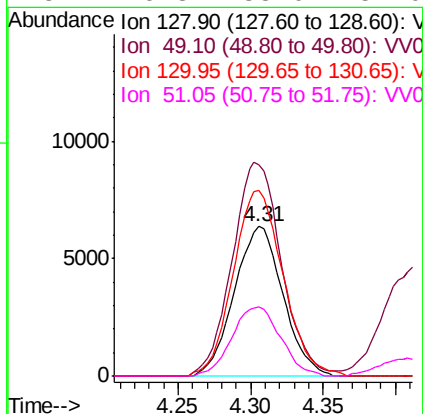
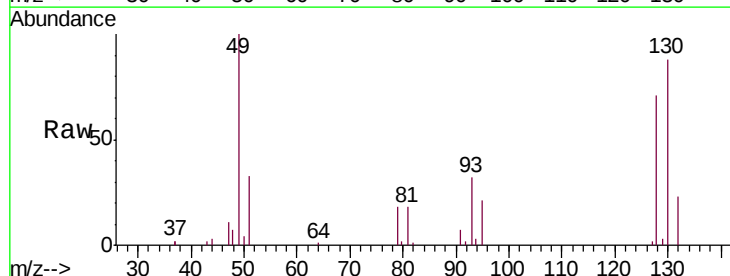
Tgt Ion: 96 Resp: 32008
Ion Ratio Lower Upper
96 100
61 126.5 85.1 158.1
68 0.0 0.0 0.0

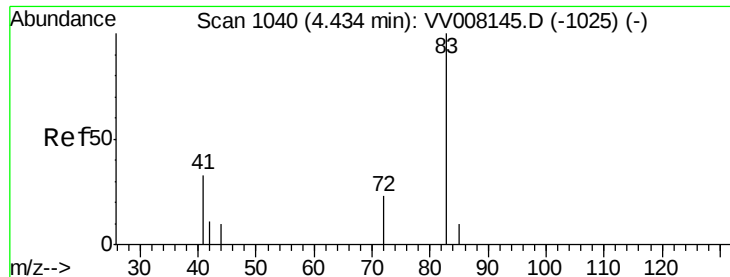


#23

Bromochloromethane
Concen: 5.283 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 128 Resp: 14912
Ion Ratio Lower Upper
128 100
49 141.6 99.8 185.3
130 124.2 85.5 158.7
51 46.3 38.0 57.0

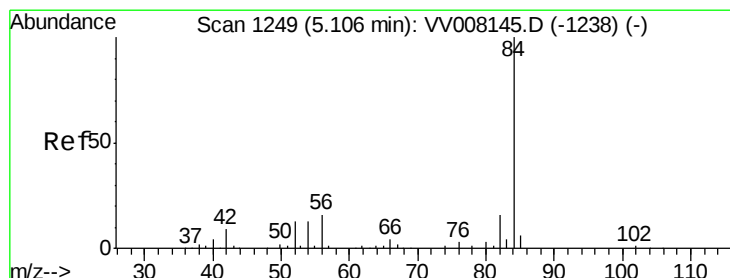
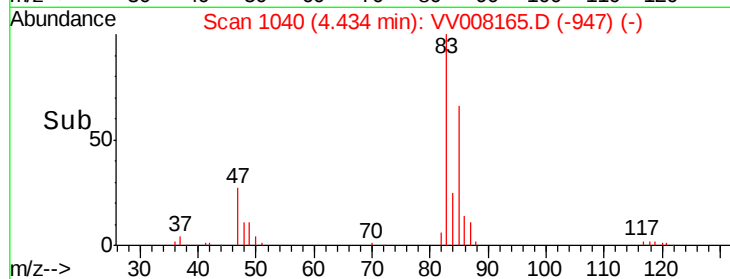
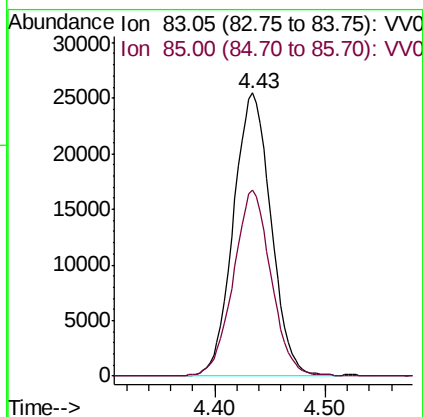
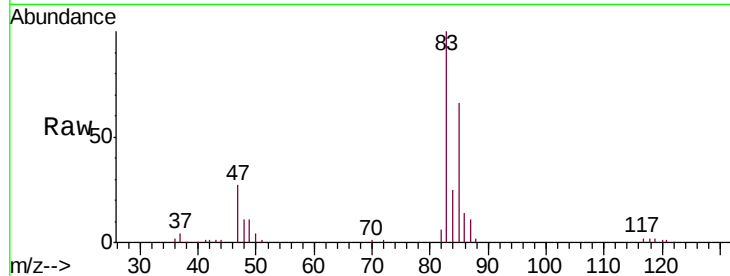




#25
Chloroform
Concen: 5.327 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

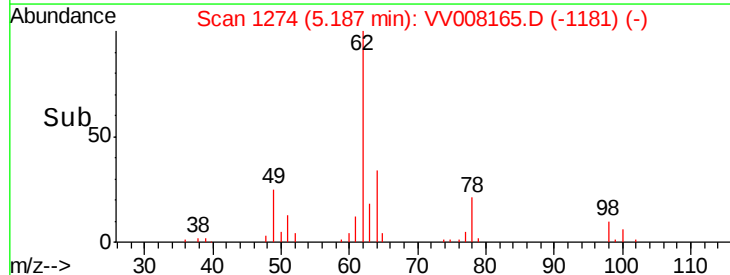
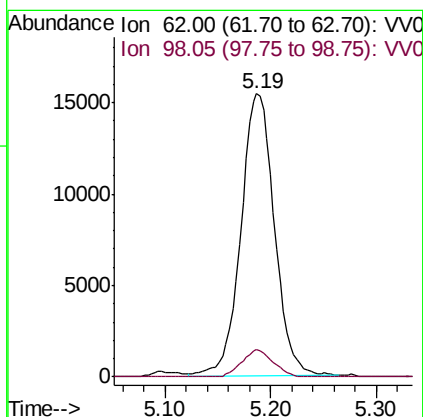
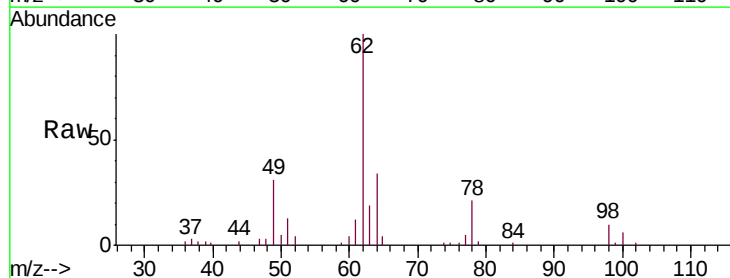
Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

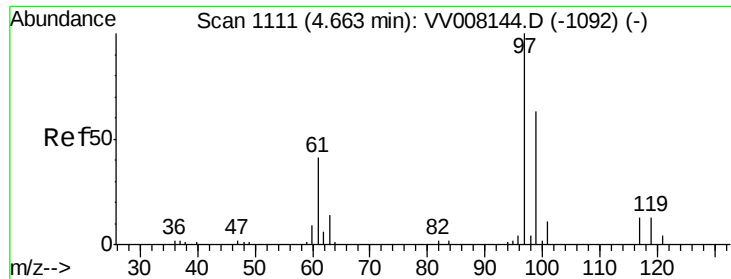
Tgt Ion: 83 Resp: 60161
Ion Ratio Lower Upper
83 100
85 65.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.124 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 62 Resp: 34000
Ion Ratio Lower Upper
62 100
98 9.6 7.3 10.9

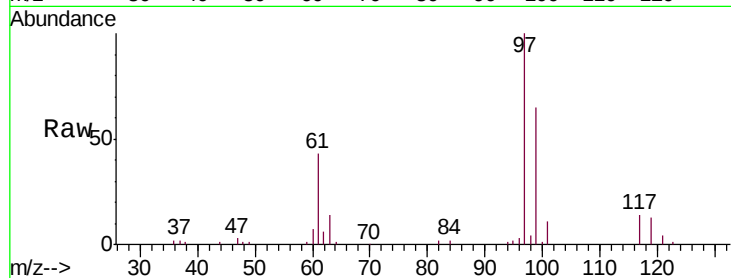




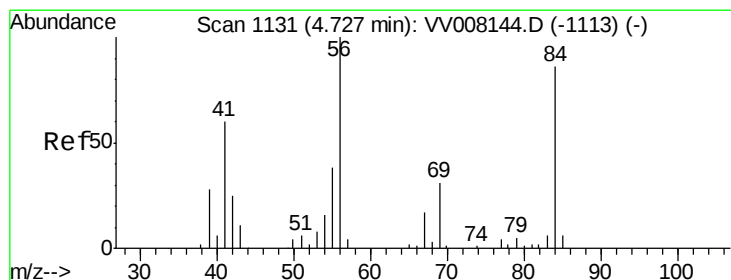
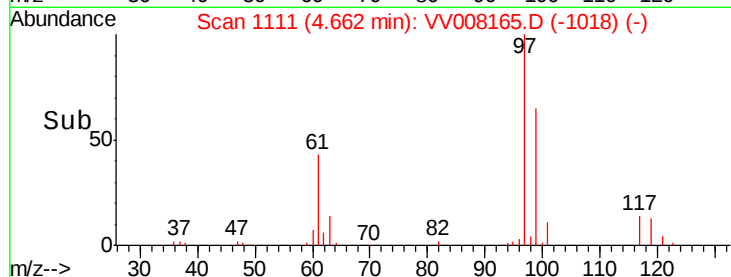
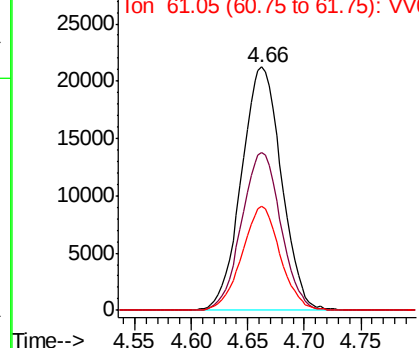
#29
 1,1,1-Trichloroethane
 Concen: 5.245 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tgt Ion: 97 Resp: 52309
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.0 76.4
 61 40.7 34.0 51.0

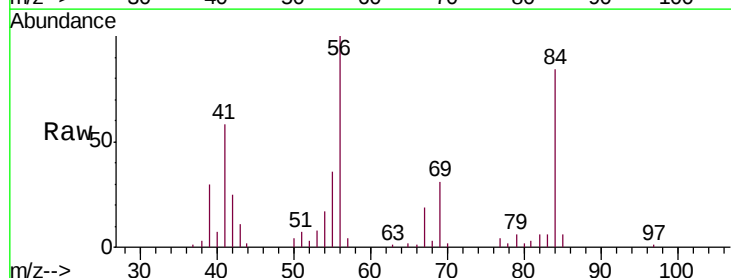


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

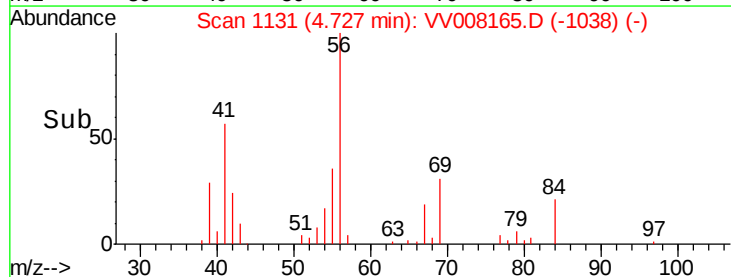
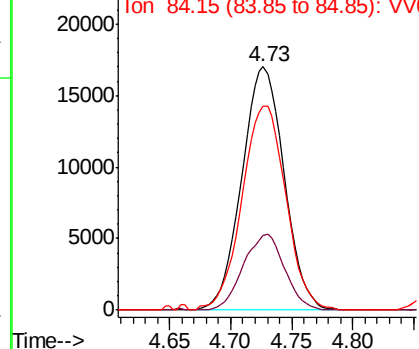


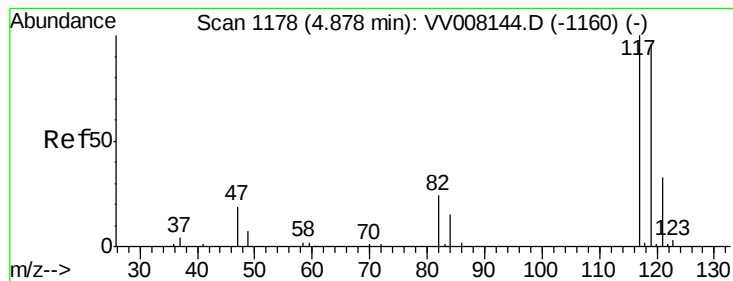
#30
 Cyclohexane
 Concen: 4.938 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion: 56 Resp: 40900
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 36.8
 84 86.9 70.7 106.1



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: 5.119 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

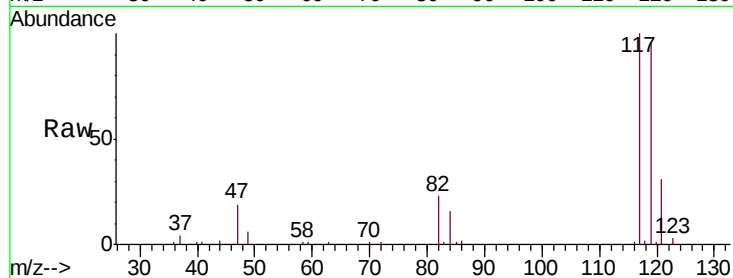
VSTD00579

Tgt Ion:117 Resp: 45874

Ion Ratio Lower Upper

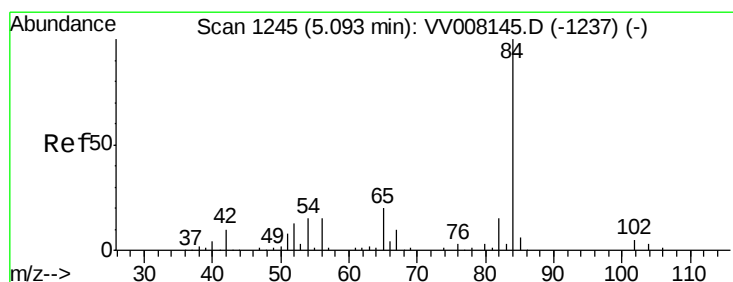
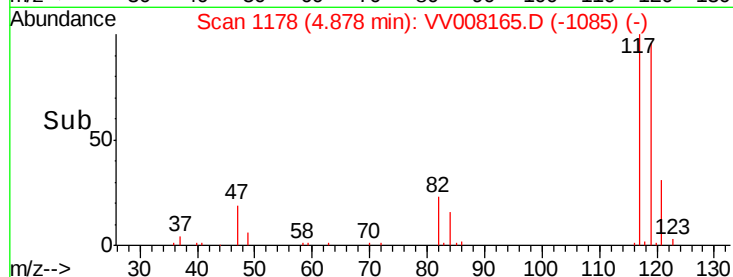
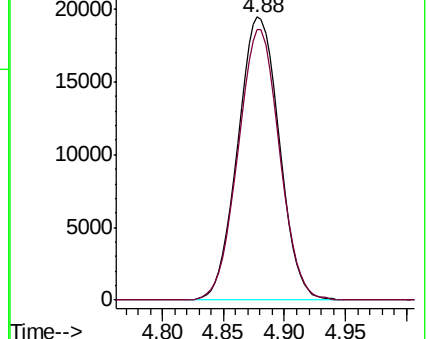
117 100

119 95.3 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.331 ug/L

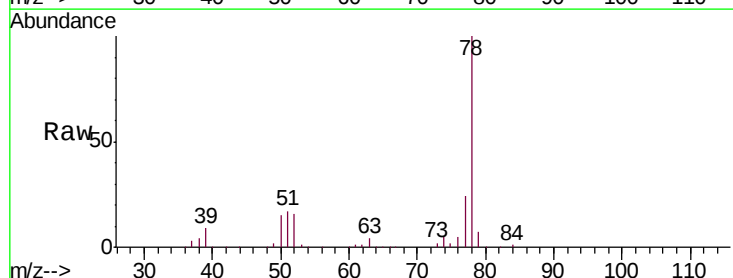
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

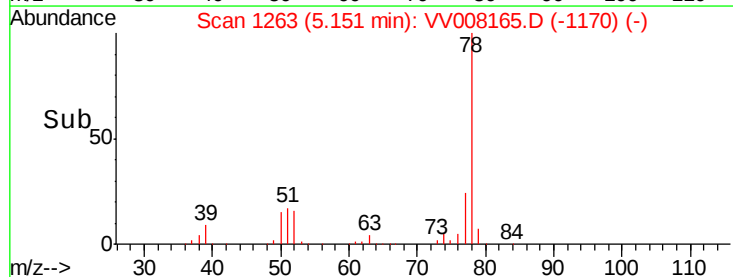
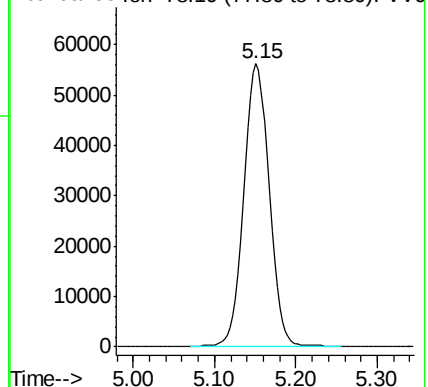
Lab File: VV008165.D

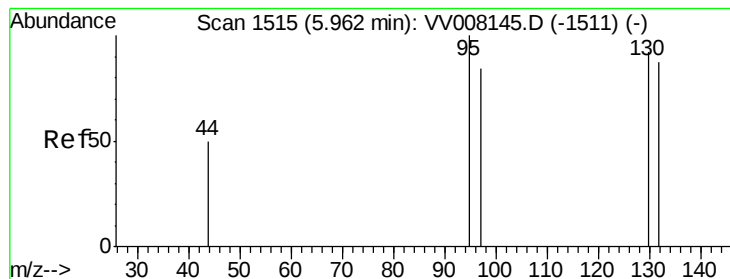
Acq: 08 Oct 2018 21:07

Tgt Ion: 78 Resp: 120793



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.946 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

Tgt Ion: 95 Resp: 32702

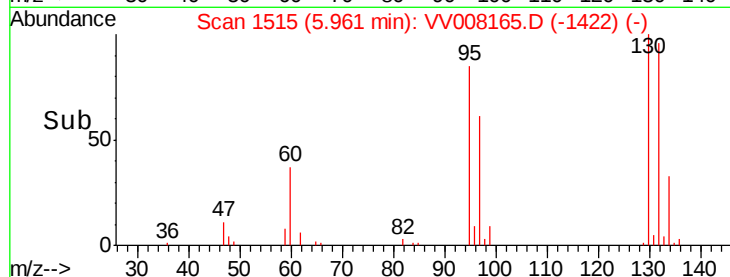
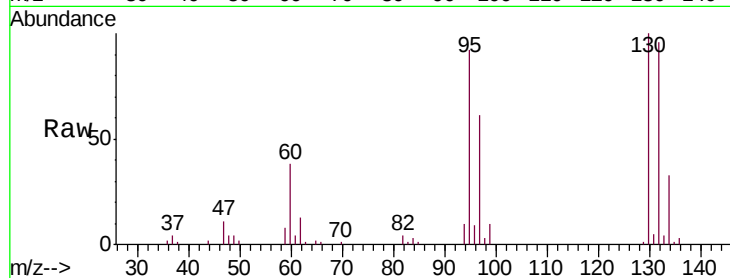
Ion Ratio Lower Upper

95 100

97 67.1 44.9 83.5

132 104.7 73.6 136.6

130 109.2 76.2 141.6



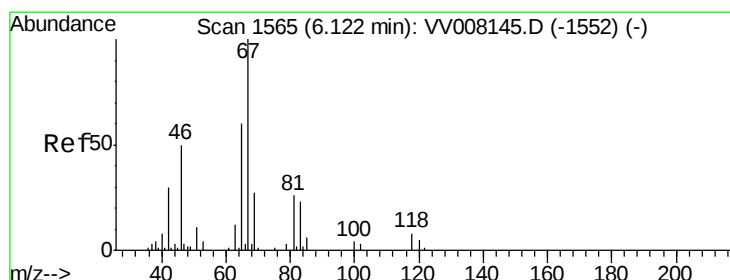
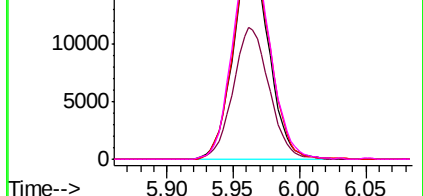
Abundance Ion 95.00 (94.70 to 95.70): VV008145.D (-1511) (-)

Ion 96.95 (96.65 to 97.65): VV008145.D (-1511) (-)

Ion 131.95 (131.65 to 132.65): VV008145.D (-1511) (-)

Ion 129.95 (129.65 to 130.65): VV008145.D (-1511) (-)

Time-->



#35

Methylcyclohexane

Concen: 4.903 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

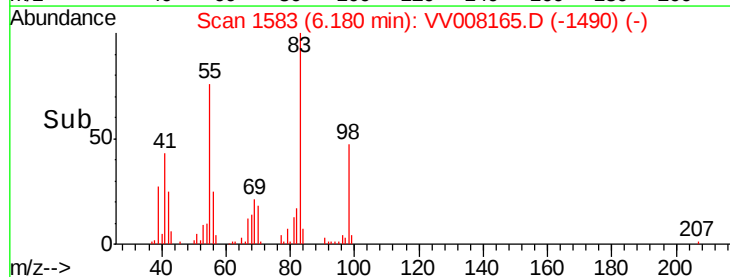
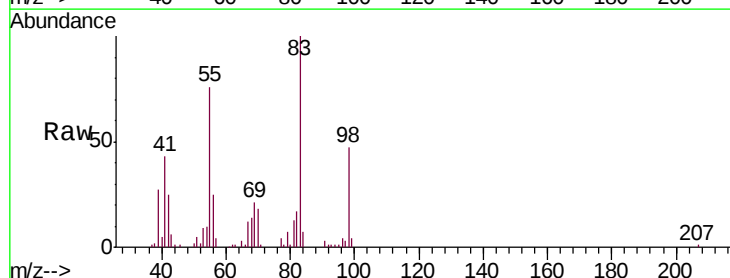
Tgt Ion: 83 Resp: 45293

Ion Ratio Lower Upper

83 100

55 78.0 63.6 95.4

98 46.3 38.3 57.5

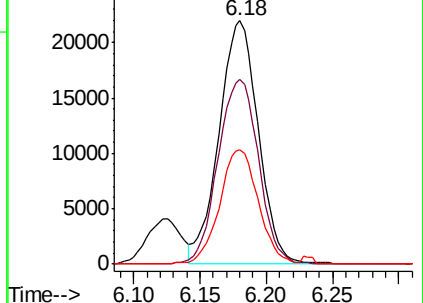


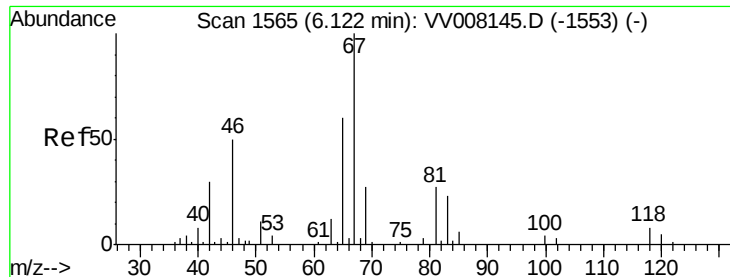
Abundance Ion 83.15 (82.85 to 83.85): VV008145.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV008145.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV008145.D (-1552) (-)

Time-->

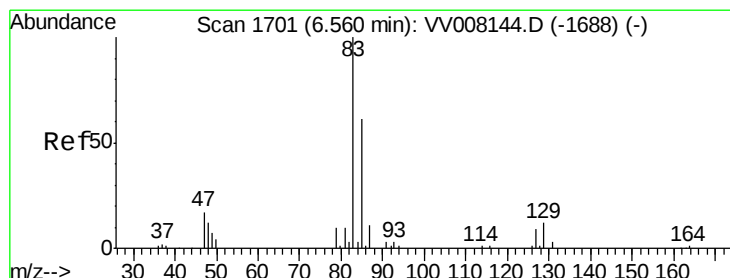
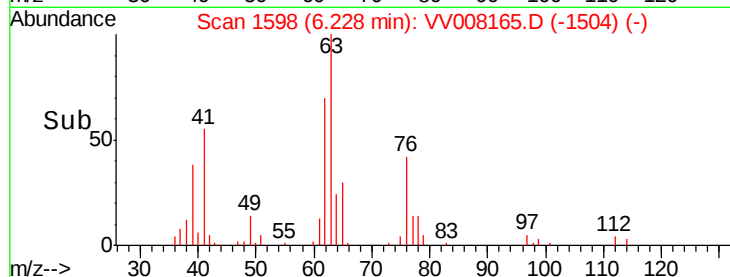
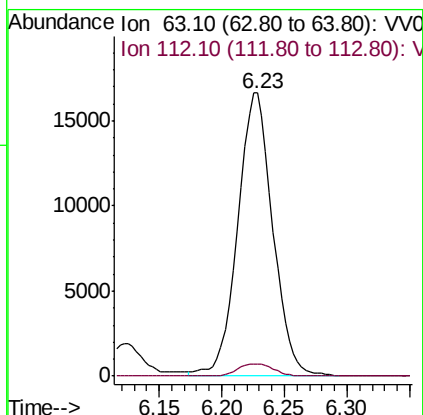
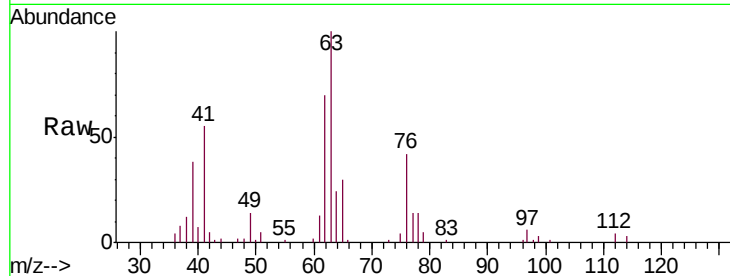




#37
 1,2-Dichloropropane
 Concen: 5.295 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

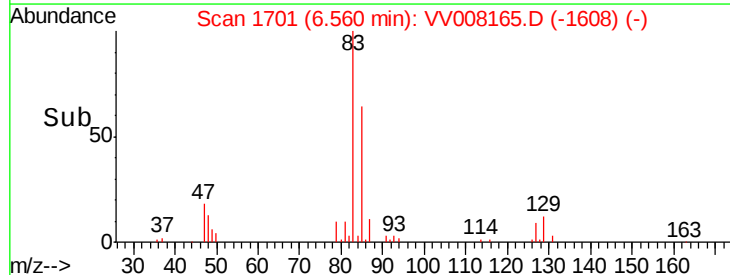
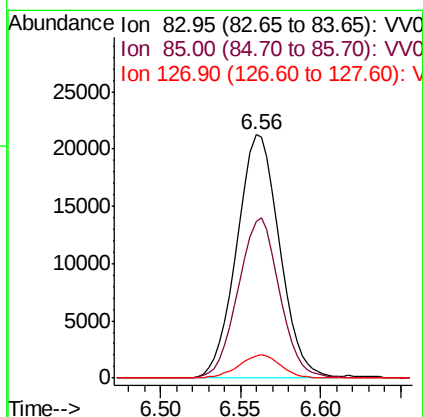
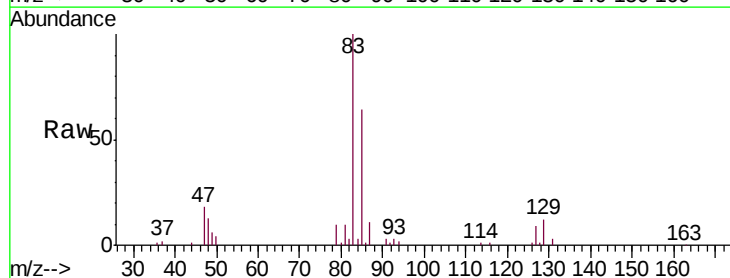
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

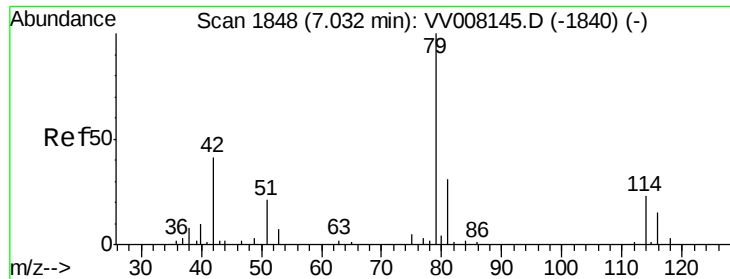
Tgt Ion: 63 Resp: 32370
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.194 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion: 83 Resp: 38850
 Ion Ratio Lower Upper
 83 100
 85 64.4 42.5 78.9
 127 9.2 7.7 11.5

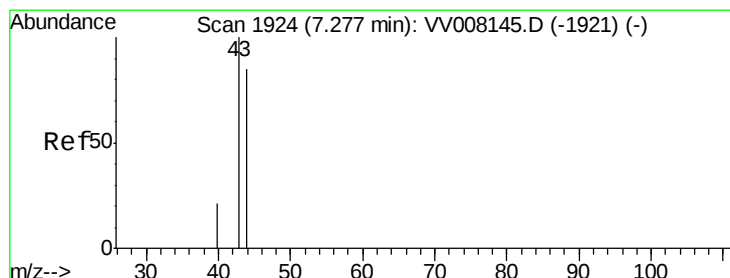
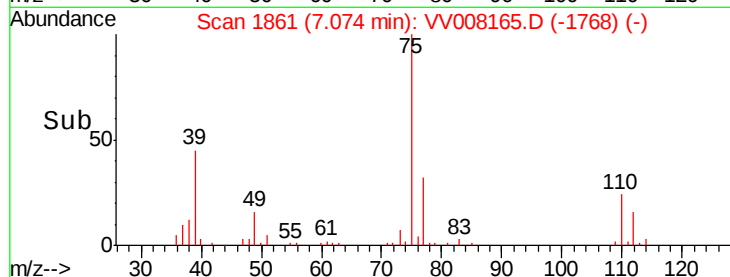
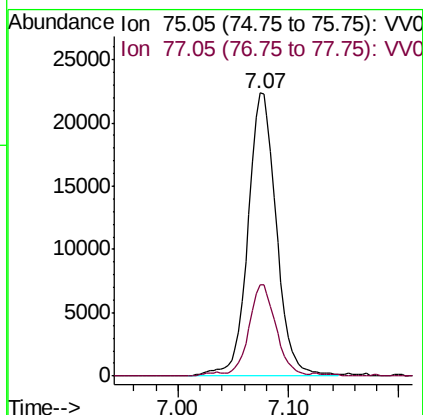
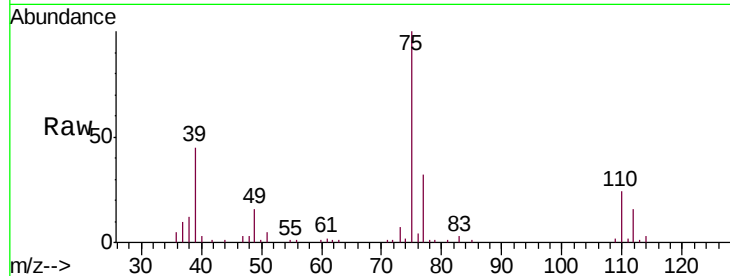




#39
 cis-1,3-Dichloropropene
 Concen: 5.094 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

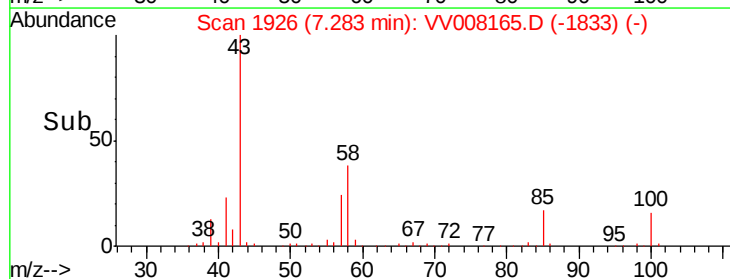
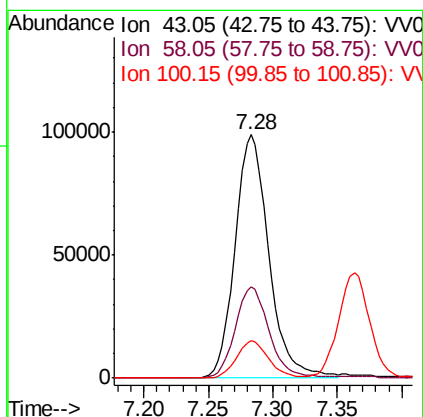
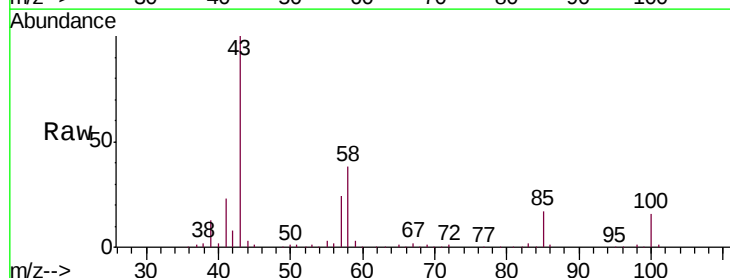
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

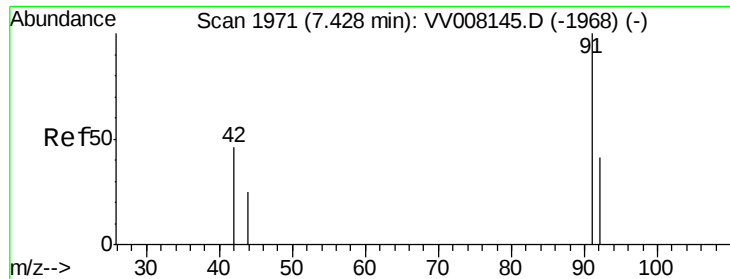
Tgt Ion: 75 Resp: 39935
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 52.098 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion: 43 Resp: 180518
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.8 44.8
 100 14.7 11.6 17.4





#42

Toluene

Concen: 5.512 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

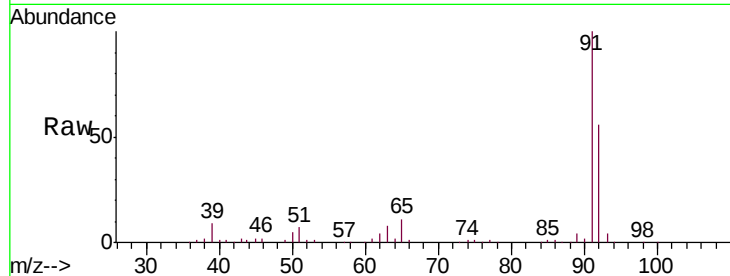
VSTD00579

Tgt Ion: 91 Resp: 132680

Ion Ratio Lower Upper

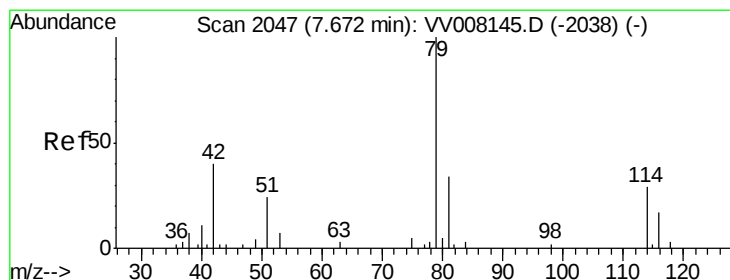
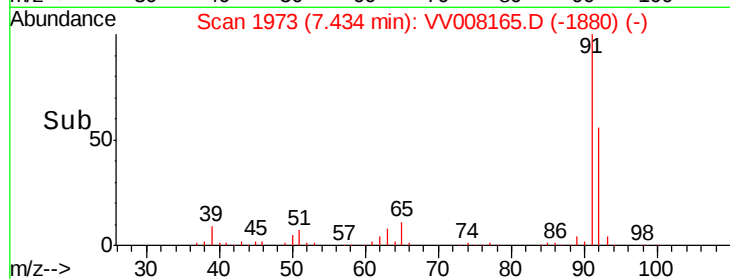
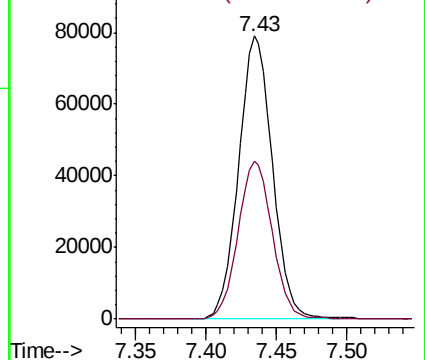
91 100

92 55.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008145.D (-1968) (-)

Ion 92.15 (91.85 to 92.85): VV008145.D (-1968) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008165.D

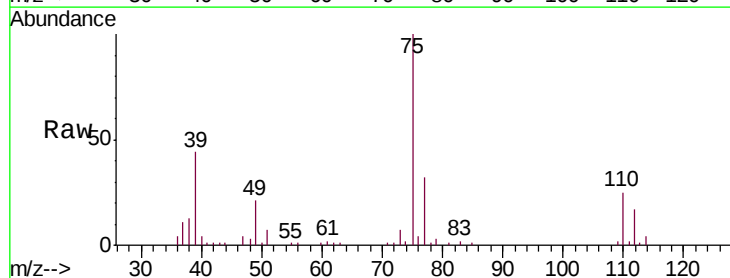
Acq: 08 Oct 2018 21:07

Tgt Ion: 75 Resp: 32893

Ion Ratio Lower Upper

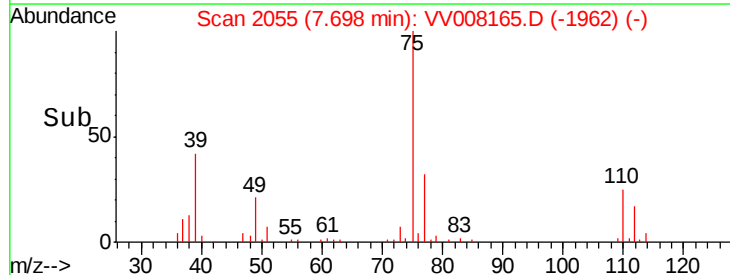
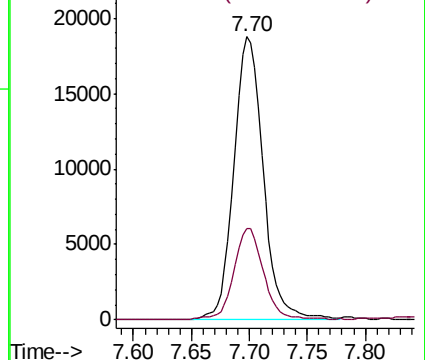
75 100

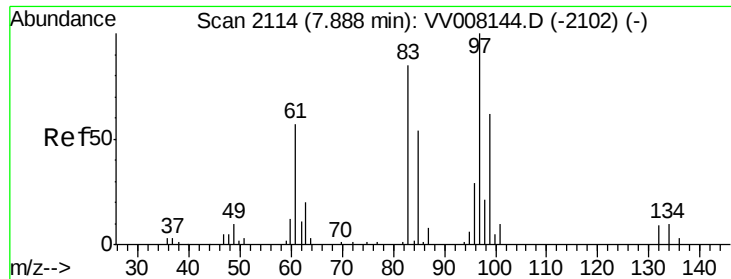
77 32.4 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008145.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008145.D (-2038) (-)

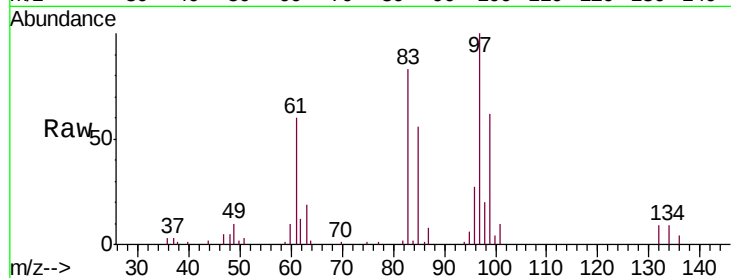




#45
 1,1,2-Trichloroethane
 Concen: 5.337 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tgt Ion:	97	Resp:	22889
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.6	79.0
83	83.0	57.5	106.7
85	55.8	36.5	67.7



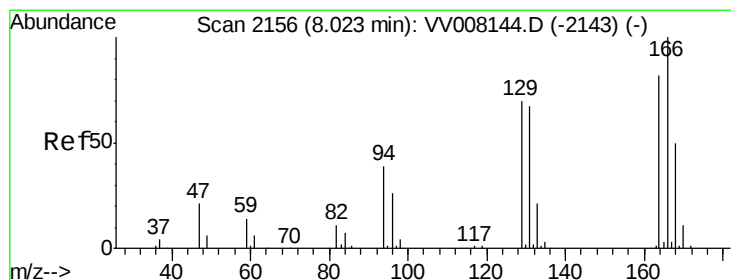
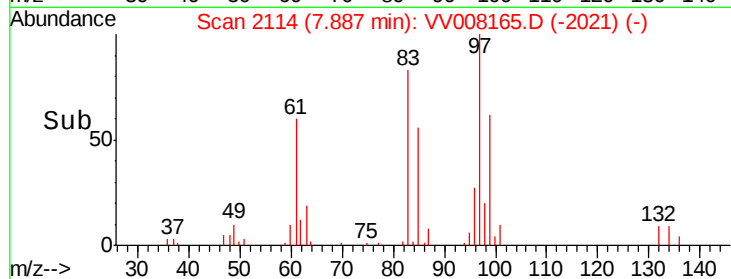
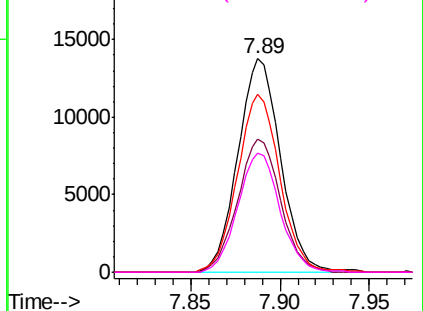
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

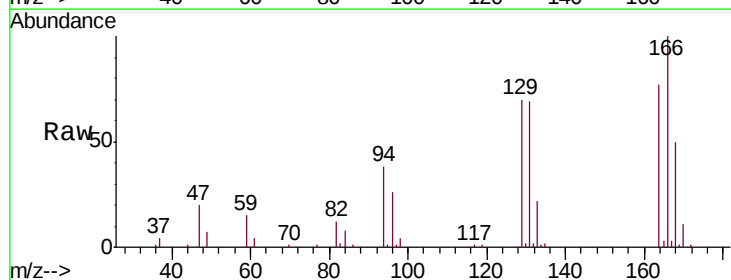
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.060 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion:	164	Resp:	29883
Ion	Ratio	Lower	Upper
164	100		
129	90.6	62.2	115.4
131	88.9	60.5	112.5
166	129.2	92.1	171.1



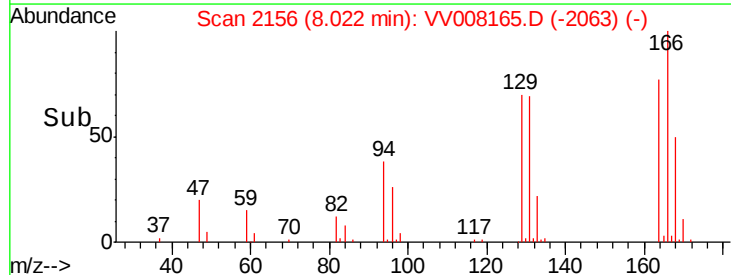
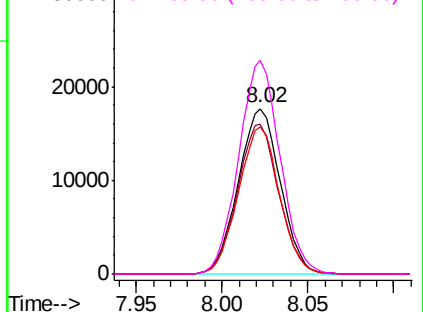
Abundance

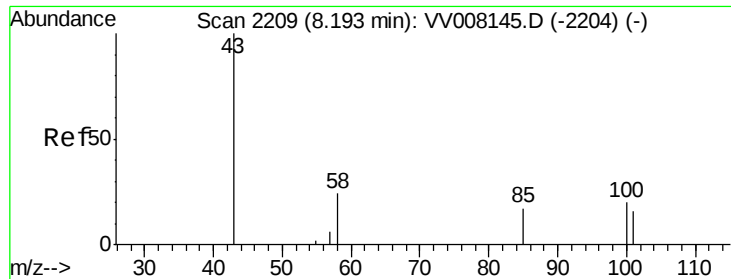
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

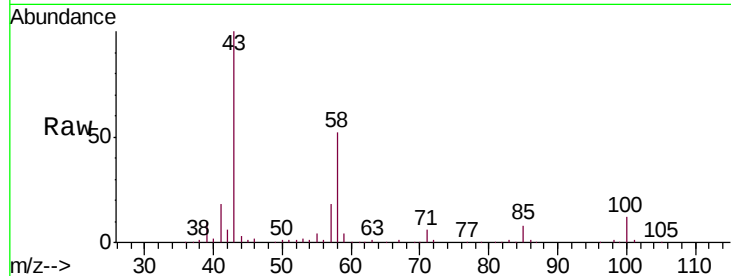




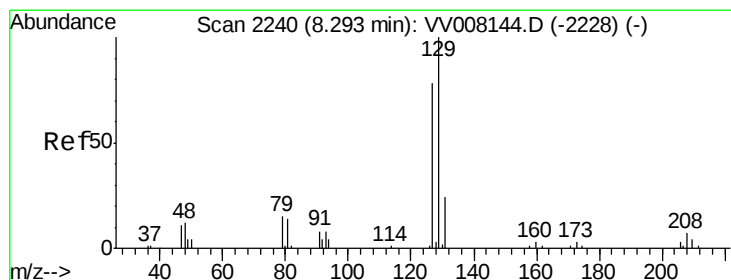
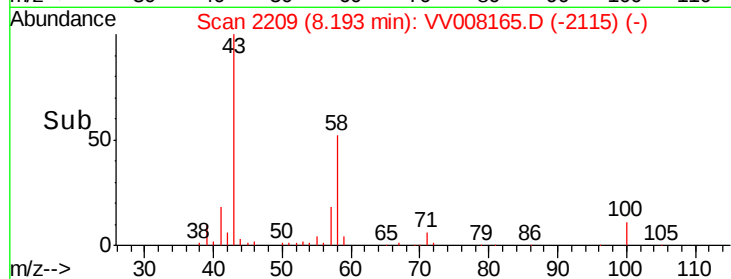
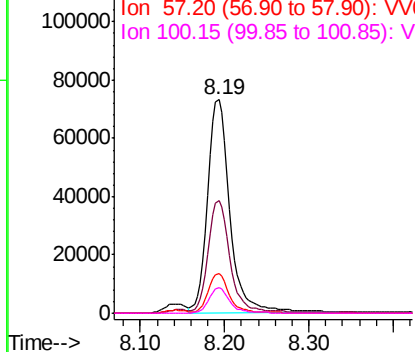
#48
2-Hexanone
Concen: 56.976 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

Tgt Ion: 43 Resp: 134025
Ion Ratio Lower Upper
43 100
58 50.9 40.5 60.7
57 17.6 14.6 22.0
100 11.4 9.3 13.9

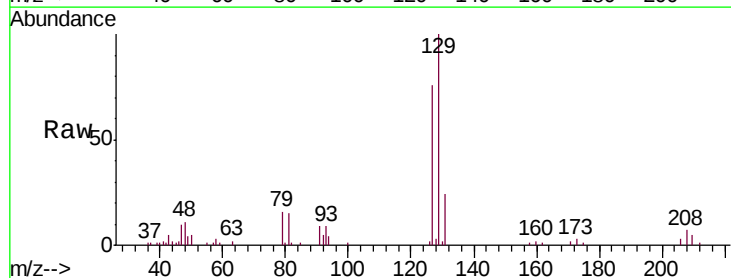


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

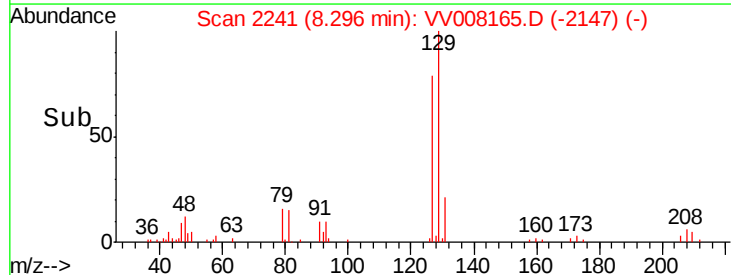
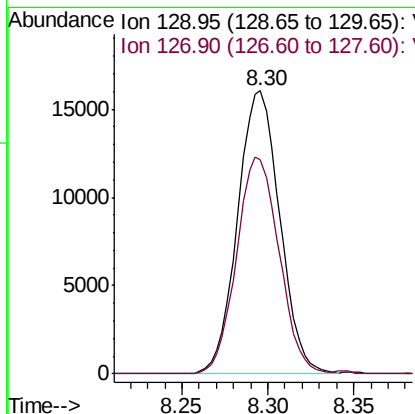


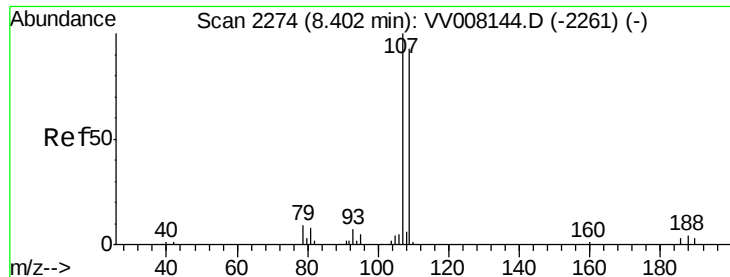
#49
Dibromochloromethane
Concen: 5.109 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 129 Resp: 27335
Ion Ratio Lower Upper
129 100
127 75.6 54.5 101.3



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





#50

1,2-Dibromoethane

Concen: 5.412 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

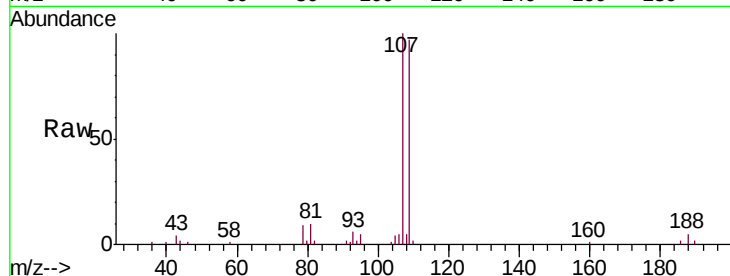
Tgt Ion:107 Resp: 21072

Ion Ratio Lower Upper

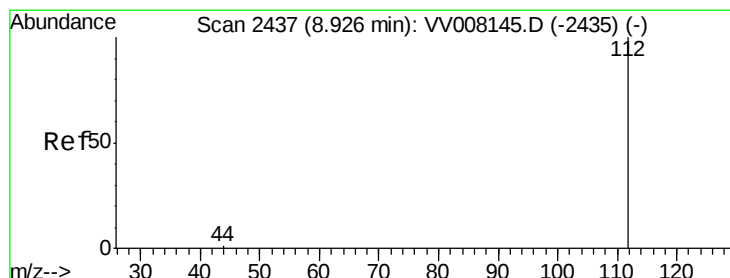
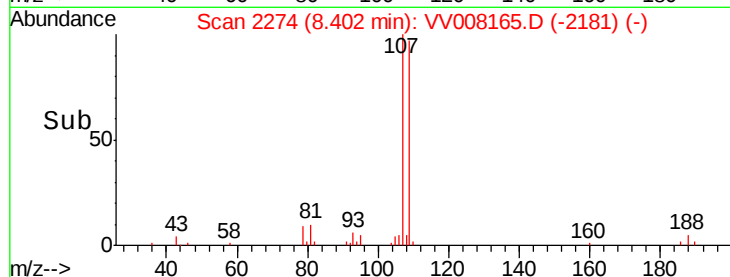
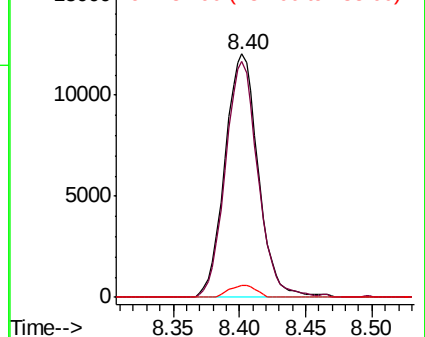
107 100

109 96.9 65.5 121.6

188 4.7 3.5 5.3



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



#51

Chlorobenzene

Concen: 5.349 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

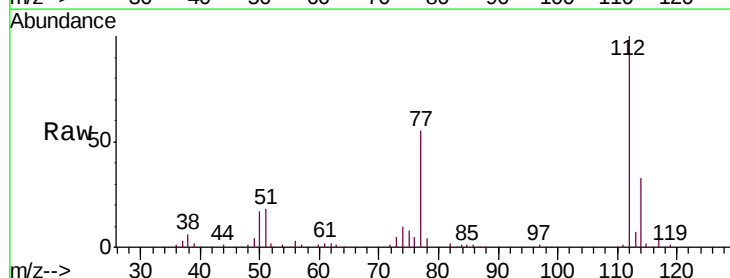
Tgt Ion:112 Resp: 90045

Ion Ratio Lower Upper

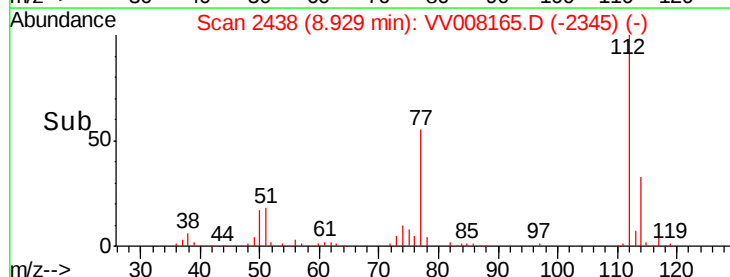
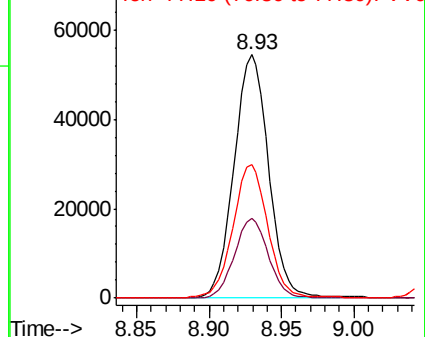
112 100

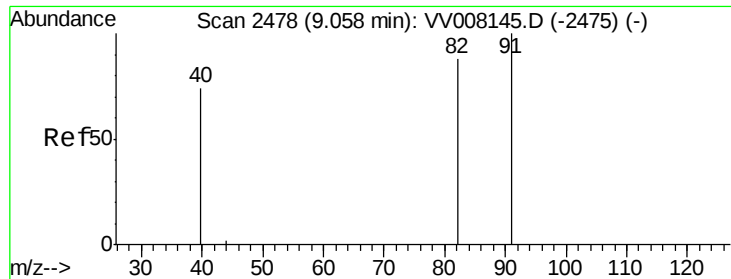
114 32.5 22.8 42.4

77 55.1 44.6 66.8



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

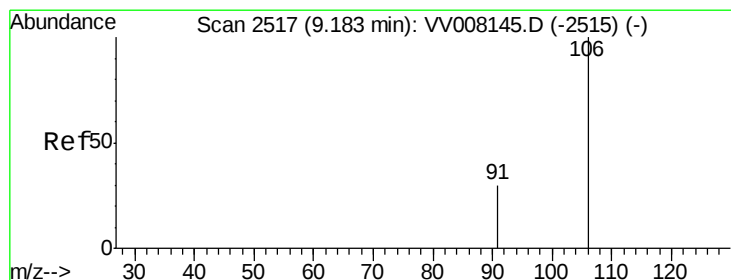
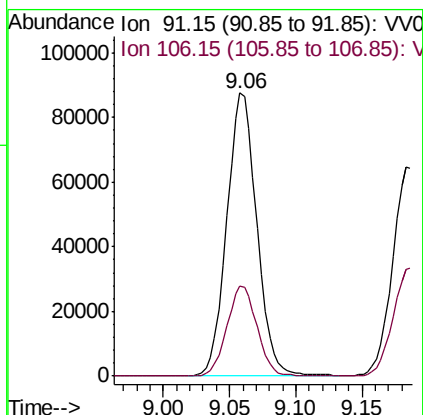
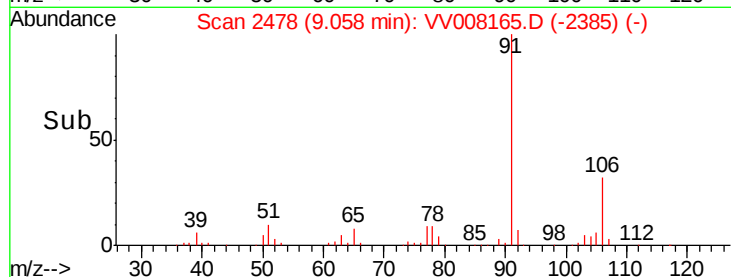
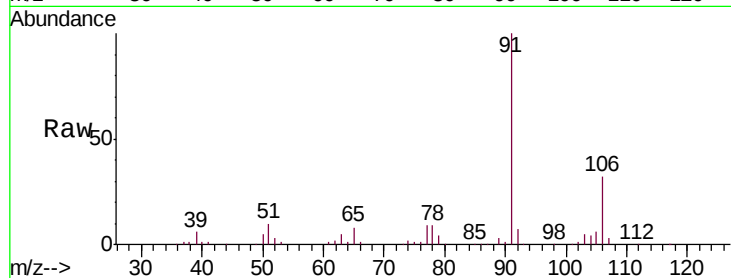




#52
Ethylbenzene
Concen: 5.250 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

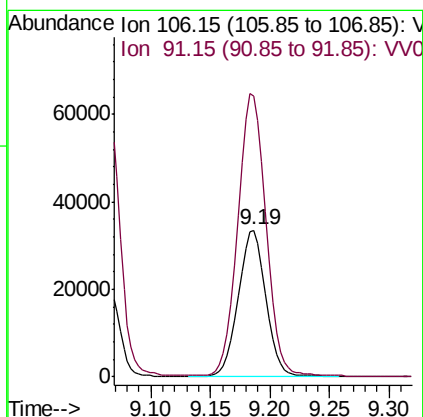
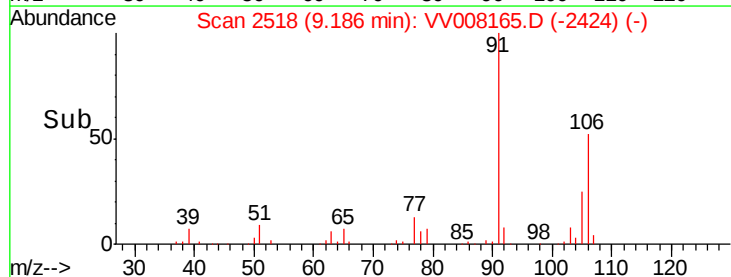
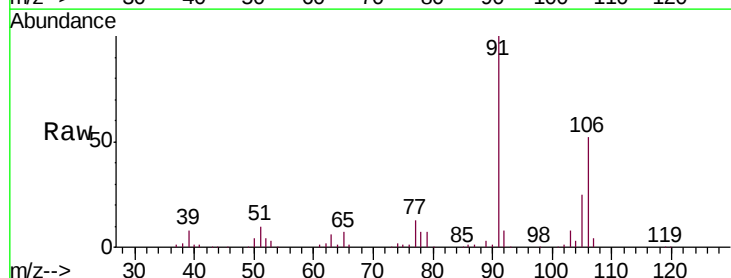
Instrument :
MSVOA_V
ClientSampleId :
VSTD00579

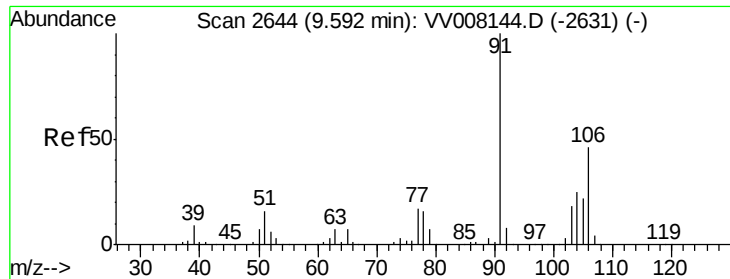
Tgt Ion: 91 Resp: 137935
Ion Ratio Lower Upper
91 100
106 32.0 22.3 41.5



#53
m,p-xylene
Concen: 5.448 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV008165.D
Acq: 08 Oct 2018 21:07

Tgt Ion: 106 Resp: 54263
Ion Ratio Lower Upper
106 100
91 191.9 140.8 261.4





#54

o-xylene

Concen: 5.429 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

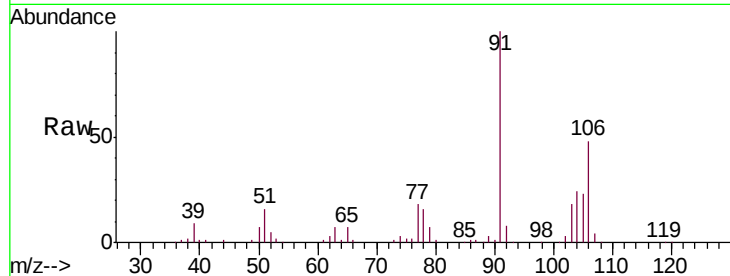
VSTD00579

Tgt Ion:106 Resp: 51626

Ion Ratio Lower Upper

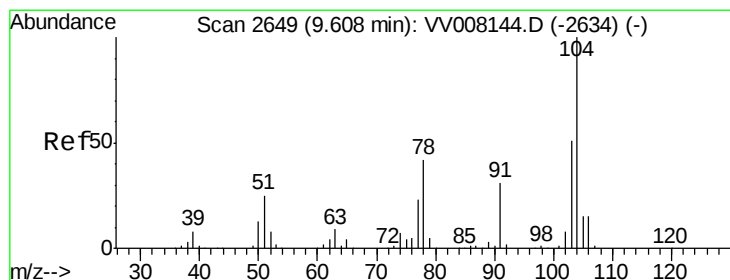
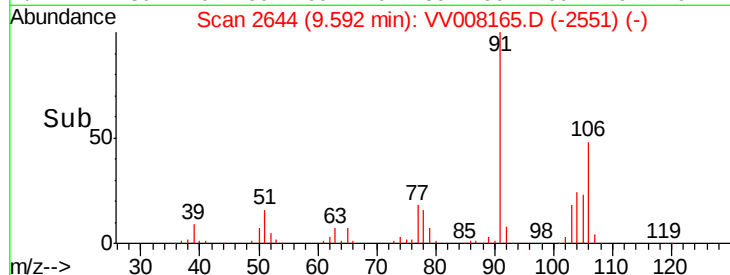
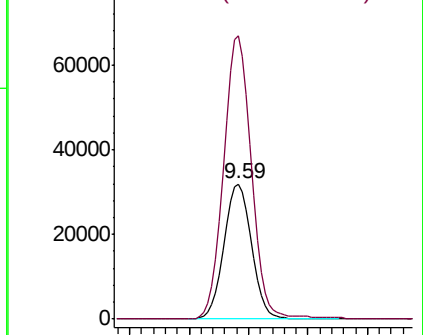
106 100

91 208.9 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.503 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008165.D

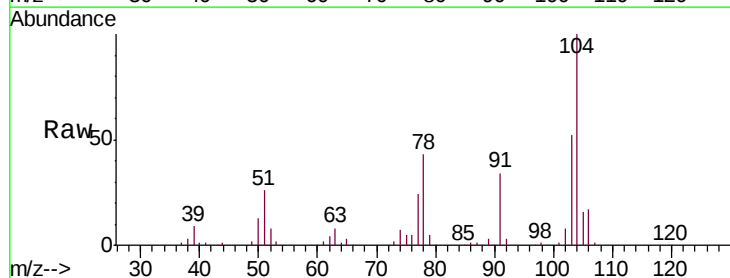
Acq: 08 Oct 2018 21:07

Tgt Ion:104 Resp: 89114

Ion Ratio Lower Upper

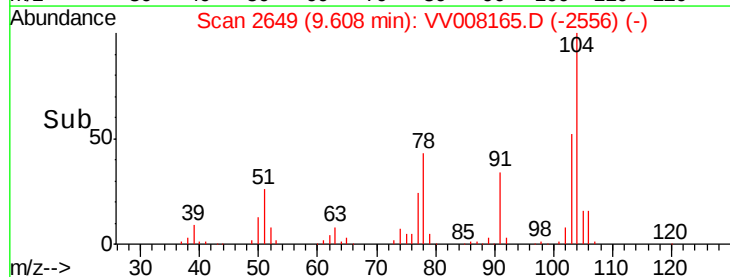
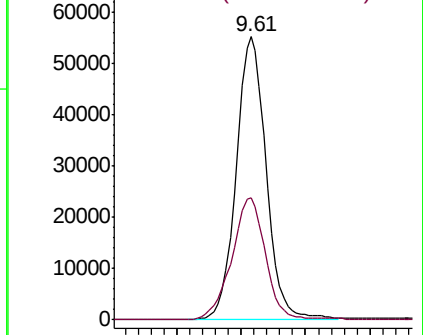
104 100

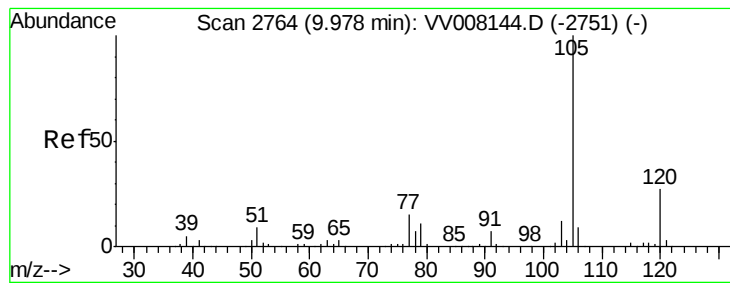
78 43.1 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.373 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampled :

VSTD00579

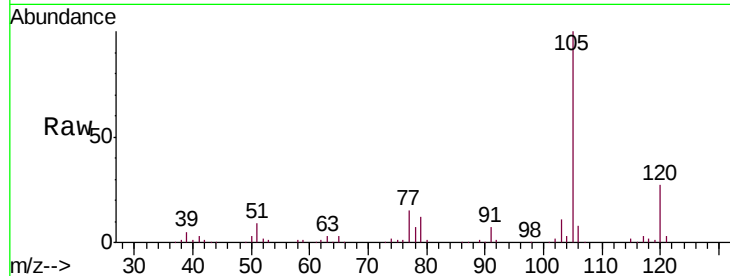
Tgt Ion: 105 Resp: 140520

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

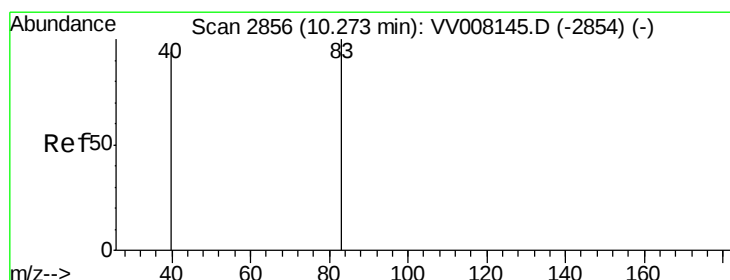
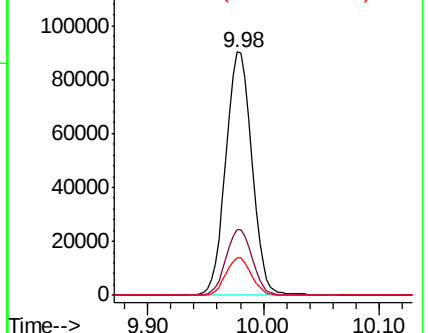
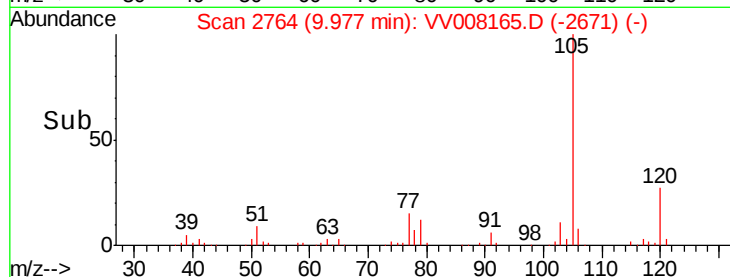
77 15.2 12.2 18.4



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: 5.168 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

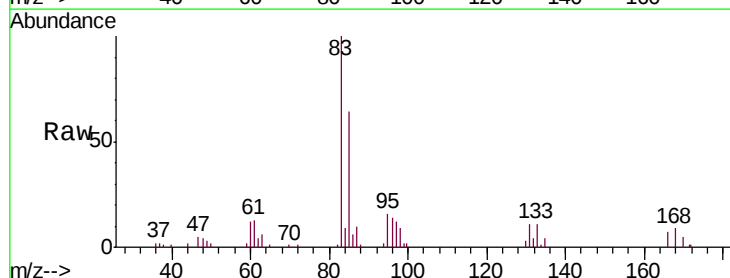
Tgt Ion: 83 Resp: 25692

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

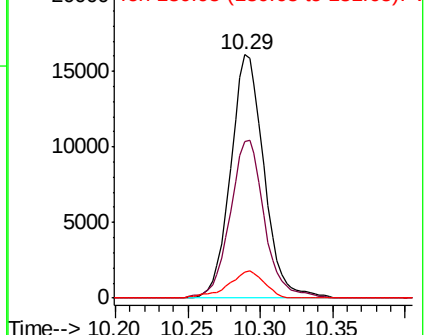
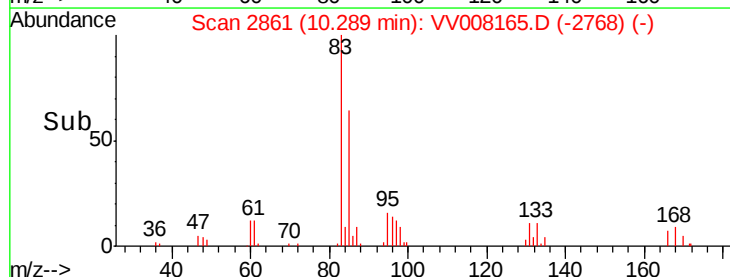
131 10.6 8.8 13.2

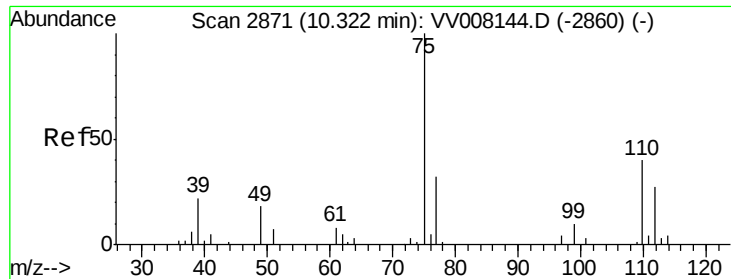


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

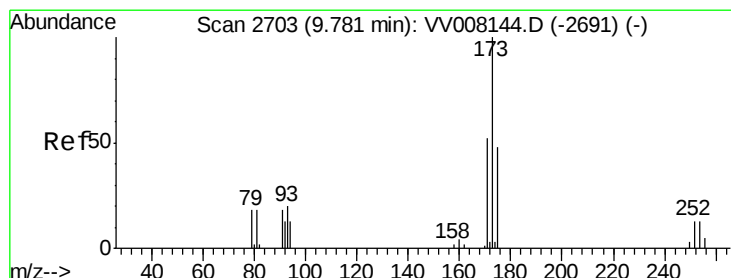
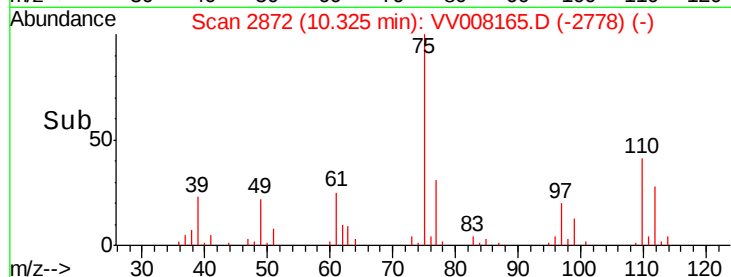
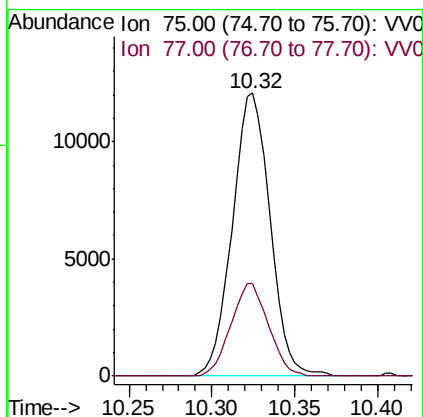
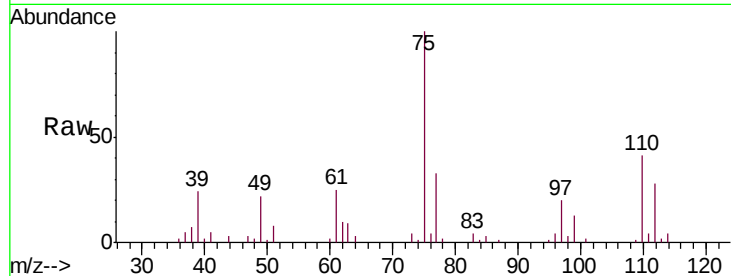




#59
 1,2,3-Trichloropropane
 Concen: 5.354 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

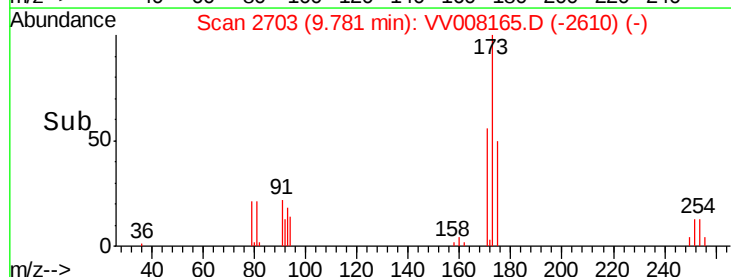
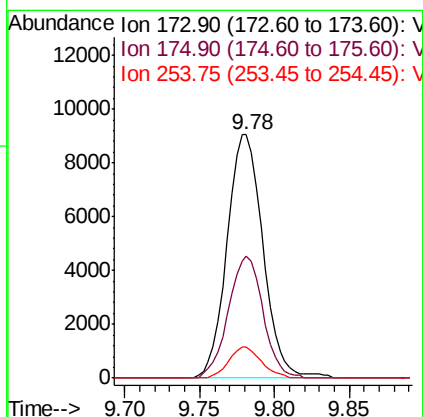
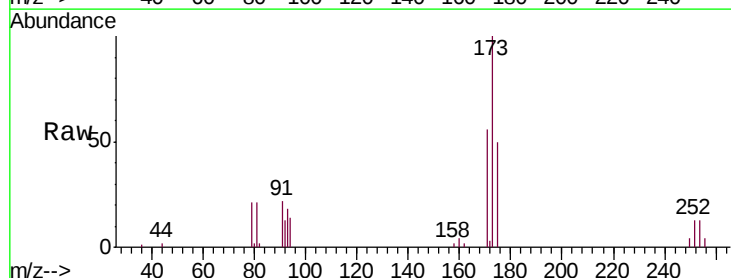
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00579

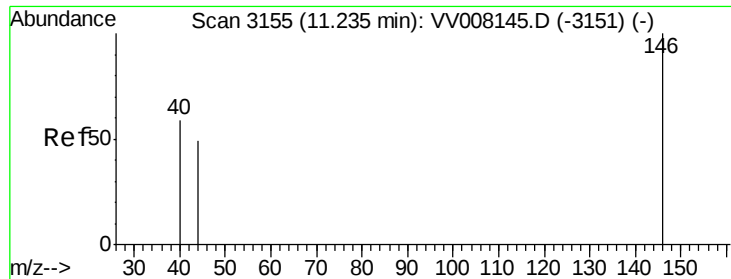
Tgt Ion: 75 Resp: 19111
 Ion Ratio Lower Upper
 75 100
 77 32.4 27.8 41.6



#61
 Bromoform
 Concen: 5.275 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion: 173 Resp: 15158
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.8 59.8
 254 11.6 9.4 14.0

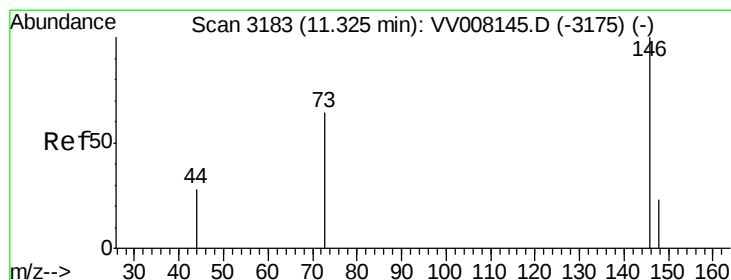
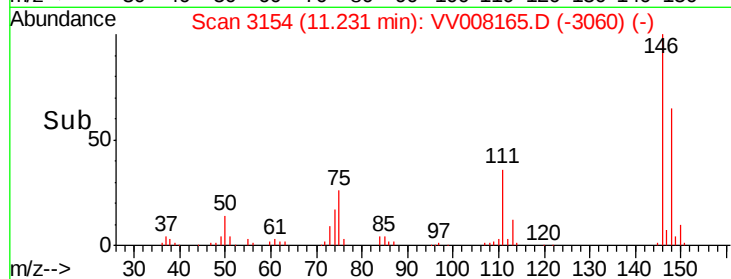
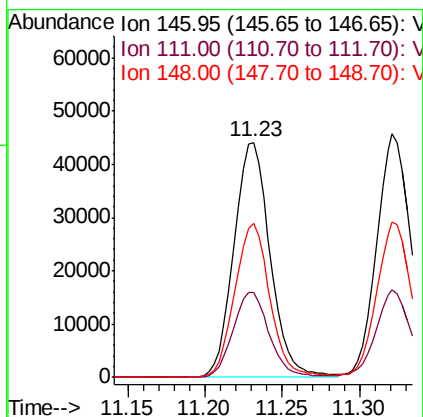
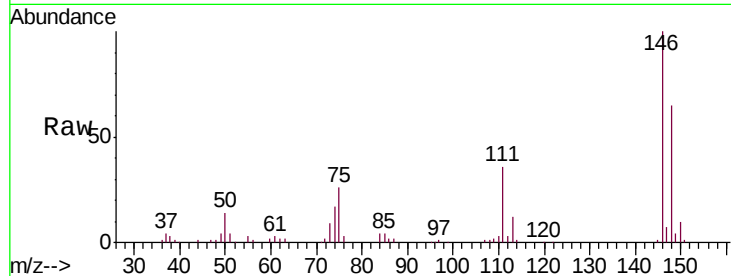




#62
 1,3-Dichlorobenzene
 Concen: 5.181 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

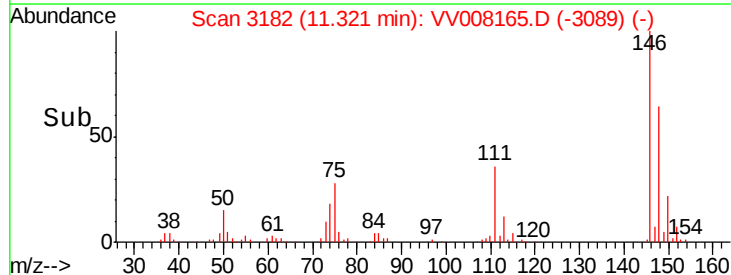
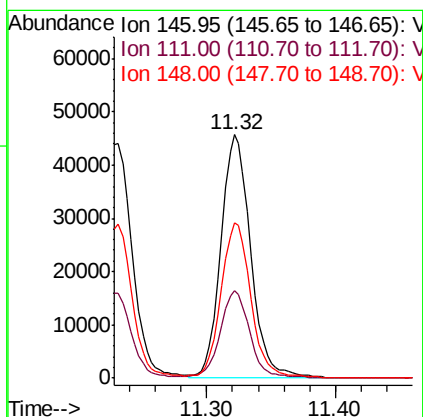
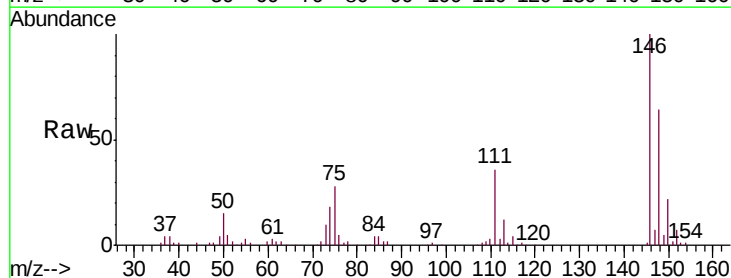
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

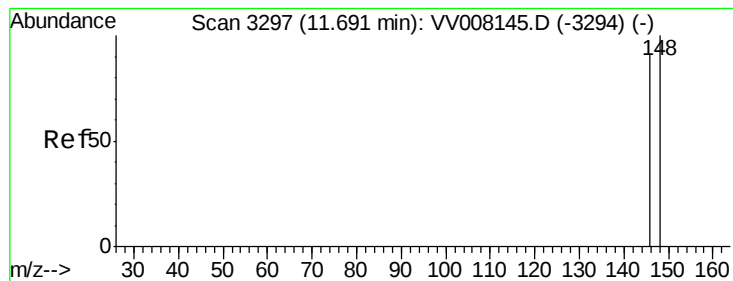
Tgt Ion:146 Resp: 71978
 Ion Ratio Lower Upper
 146 100
 111 35.9 25.8 48.0
 148 65.4 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.176 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion:146 Resp: 73314
 Ion Ratio Lower Upper
 146 100
 111 36.1 24.2 45.0
 148 63.8 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.211 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

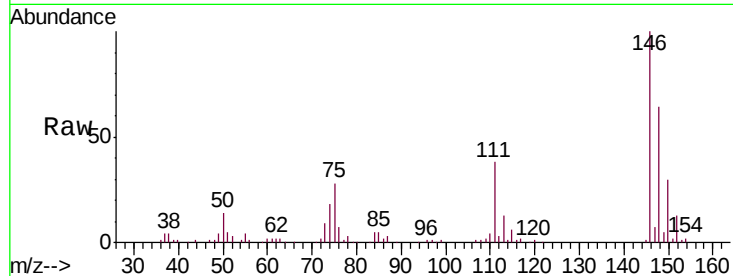
Tgt Ion:146 Resp: 69951

Ion Ratio Lower Upper

146 100

111 38.1 31.8 47.6

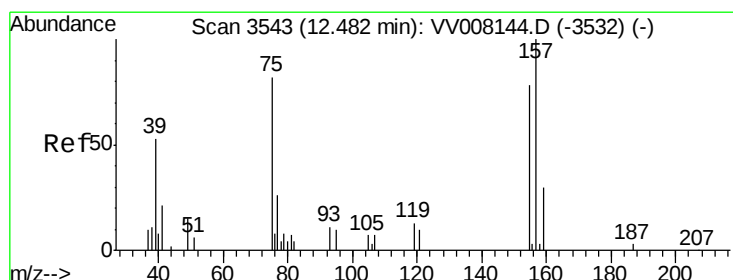
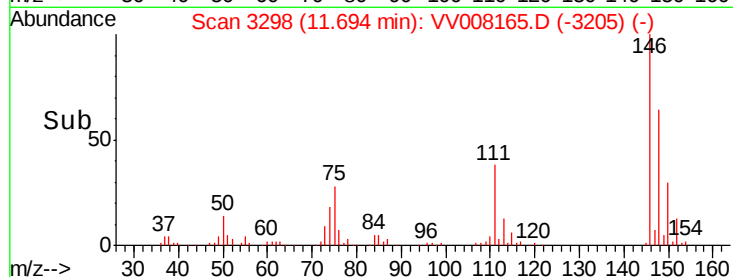
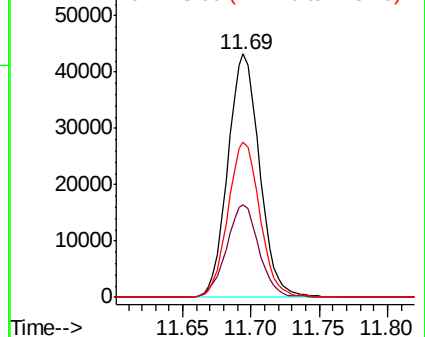
148 63.9 52.2 78.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.008 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

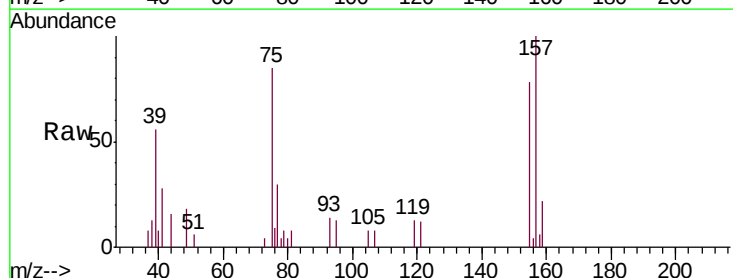
Tgt Ion: 75 Resp: 3511

Ion Ratio Lower Upper

75 100

155 91.9 74.7 112.1

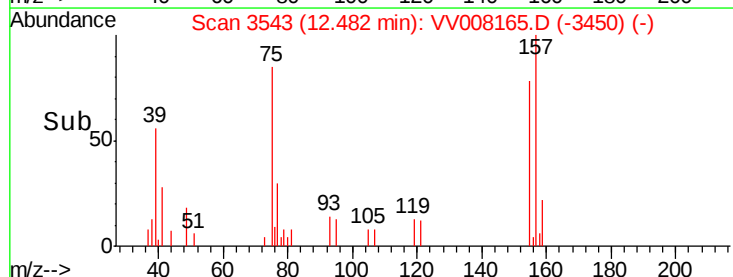
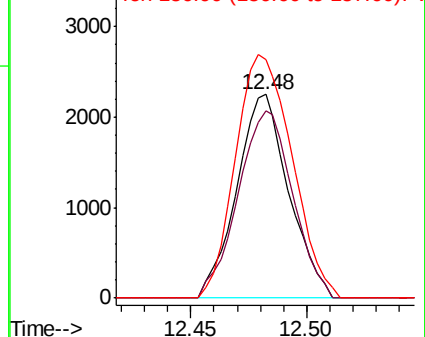
157 117.2 93.1 139.7

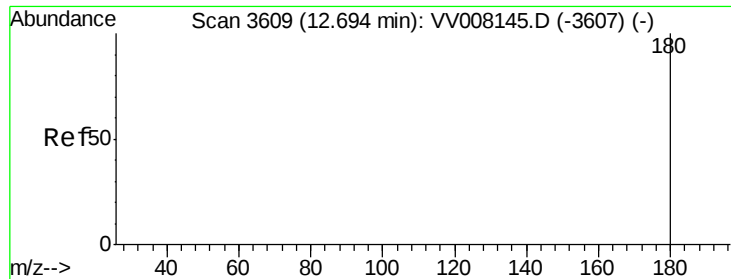


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

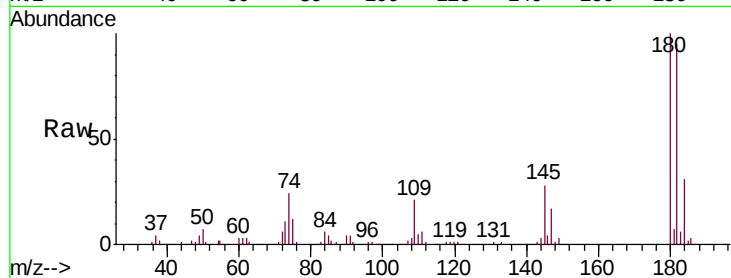




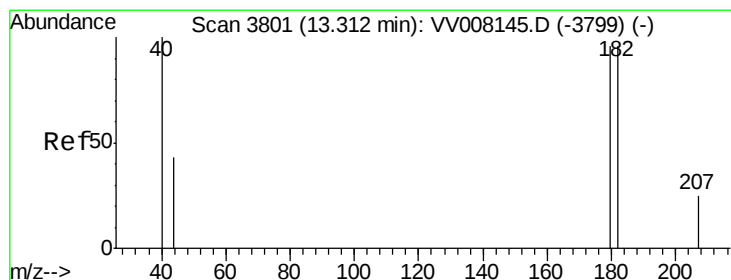
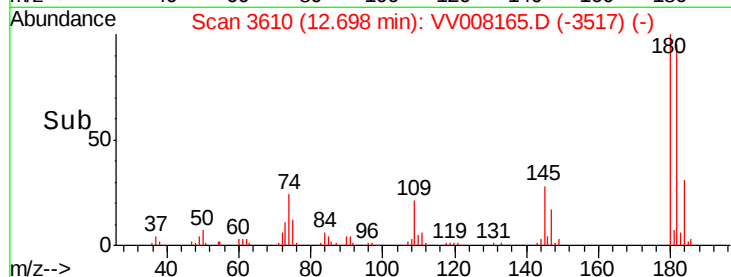
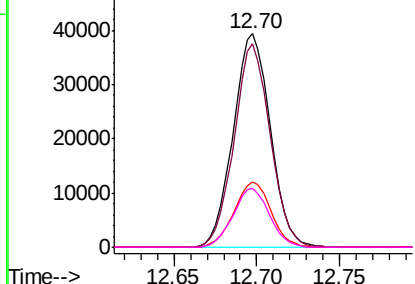
#67
 1,3,5-Trichlorobenzene
 Concen: 5.170 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Tgt Ion:180 Resp: 61209
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.0 115.6
 184 30.5 24.2 36.2
 145 27.2 22.2 33.2

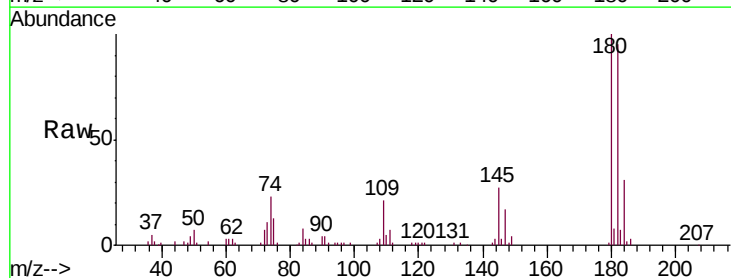


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

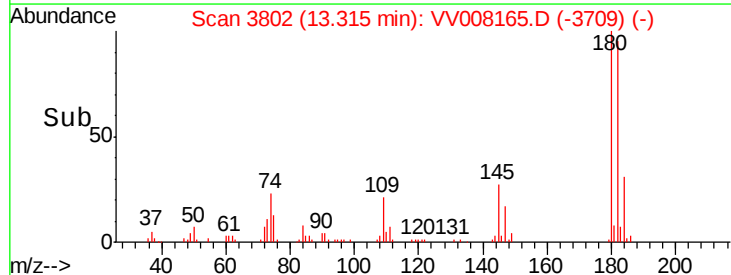
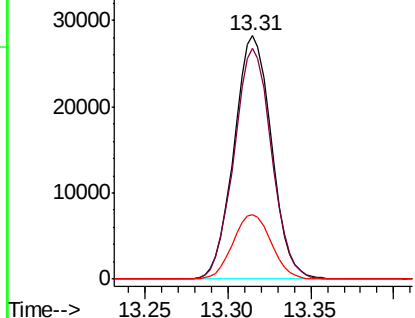


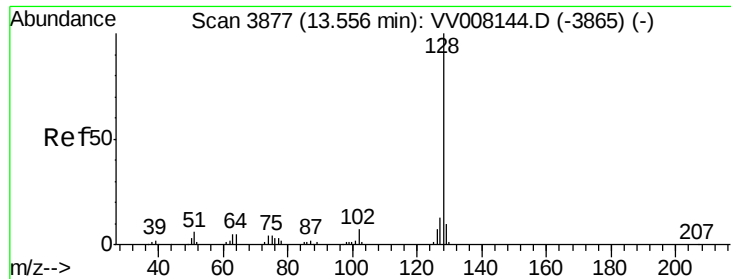
#68
 1,2,4-trichlorobenzene
 Concen: 5.034 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008165.D
 Acq: 08 Oct 2018 21:07

Tgt Ion:180 Resp: 44457
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.6 114.8
 145 27.2 22.1 33.1



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





#69

Naphthalene

Concen: 4.749 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD00579

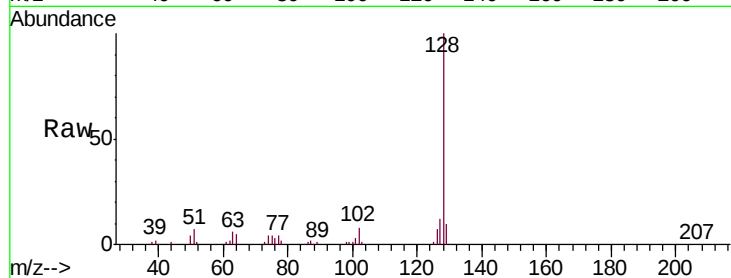
Tgt Ion:128 Resp: 53550

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

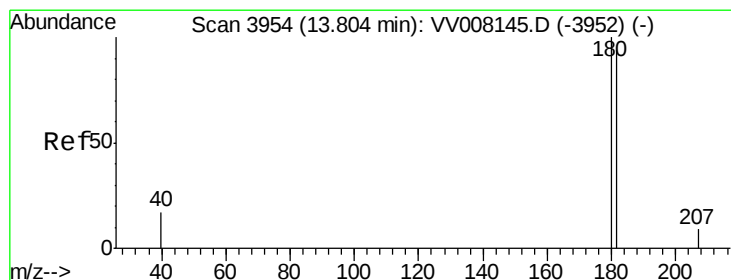
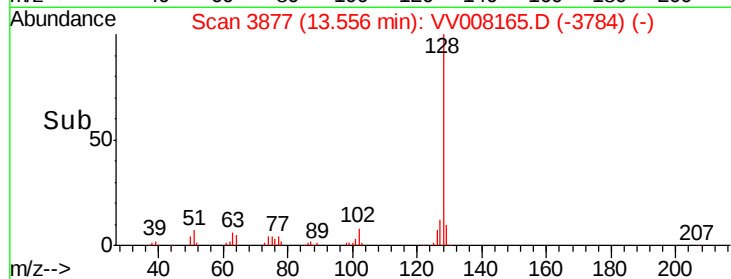
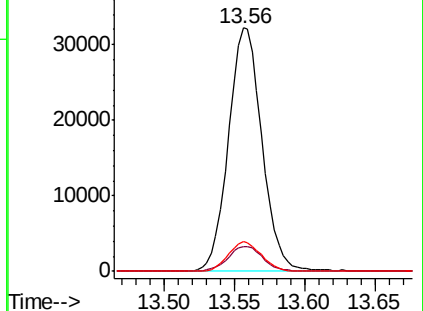
127 12.0 10.2 15.2



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: 5.156 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008165.D

Acq: 08 Oct 2018 21:07

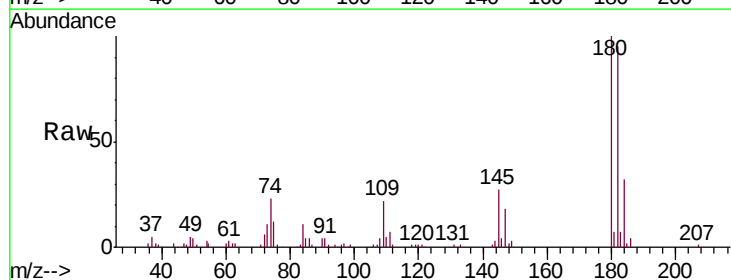
Tgt Ion:180 Resp: 43308

Ion Ratio Lower Upper

180 100

182 94.9 75.1 112.7

145 28.6 23.2 34.8



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

