

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061818\
 Data File : VV006345.D
 Acq On : 18 Jun 2018 18:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Jun 19 02:04:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 19 02:03:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	343762	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	314420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	155030	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90495	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.58	69	68493	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	173291	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	3.96	46	191576	48.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.12%
24) Chloroform-d	4.41	84	163116	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.09	65	77826	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.10	84	334636	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.12	67	99528	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	7.36	98	321840	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.67	79	36532	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	8.14	63	175209	39.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	67378	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	118512	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	106865	4.082	ug/L 99
3) Chloromethane	1.26	50	130041	5.939	ug/L 99
5) Vinyl chloride	1.32	62	143719	5.421	ug/L 99
6) Bromomethane	1.54	94	74061	5.259	ug/L 97
8) Chloroethane	1.60	64	79794	5.384	ug/L 99
9) Trichlorofluoromethane	1.77	101	181892	5.288	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	113400	5.342	ug/L 99
12) 1,1-Dichloroethene	2.14	96	105834	5.365	ug/L 86
13) Acetone	2.21	43	139201	64.438	ug/L 95
14) Carbon disulfide	2.32	76	298130	4.511	ug/L 100
15) Methyl Acetate	2.47	43	37622	5.852	ug/L 97
16) Methylene chloride	2.54	84	110839	5.089	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	250887	5.140	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	116408	5.408	ug/L 96
19) 1,1-Dichloroethane	3.23	63	193658	5.350	ug/L 100
21) 2-Butanone	4.04	43	224972	57.245	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	122427	5.257	ug/L # 98

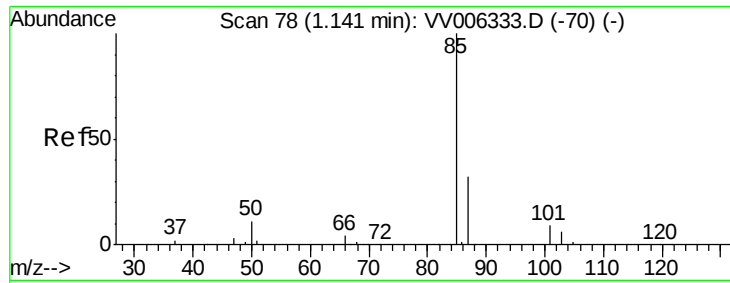
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061818\
 Data File : VV006345.D
 Acq On : 18 Jun 2018 18:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Quant Time: Jun 19 02:04:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 19 02:03:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49153	5.262	ug/L	97
25) Chloroform	4.43	83	199749	5.343	ug/L	98
27) 1,2-Dichloroethane	5.19	62	113600	5.292	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	168943	4.864	ug/L	100
30) Cyclohexane	4.73	56	176712	4.946	ug/L	98
31) Carbon tetrachloride	4.88	117	141836	4.629	ug/L	99
33) Benzene	5.15	78	452482	5.220	ug/L	100
34) Trichloroethene	5.96	95	125902	5.321	ug/L	97
35) Methylcyclohexane	6.18	83	209729	5.157	ug/L	99
37) 1,2-Dichloropropane	6.23	63	107574	5.180	ug/L	100
38) Bromodichloromethane	6.56	83	125442	4.536	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	155180	4.584	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	538292	50.114	ug/L	99
42) Toluene	7.44	91	492204	5.144	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	121997	4.443	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	76611	5.212	ug/L	99
47) Tetrachloroethene	8.02	164	102246	5.399	ug/L	99
48) 2-Hexanone	8.19	43	385838	51.110	ug/L	98
49) Dibromochloromethane	8.30	129	80291	4.338	ug/L	99
50) 1,2-Dibromoethane	8.40	107	70425	5.142	ug/L	99
51) Chlorobenzene	8.93	112	323483	5.266	ug/L	100
52) Ethylbenzene	9.06	91	547099	5.132	ug/L	99
53) m,p-xylene	9.19	106	213245	5.127	ug/L	100
54) o-xylene	9.59	106	206093	5.067	ug/L	100
55) Styrene	9.61	104	344092	5.143	ug/L	98
56) Isopropylbenzene	9.98	105	545293	5.091	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	74317	4.414	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60261	5.150	ug/L	100
61) Bromoform	9.78	173	39625	3.767	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	250380	5.126	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	251658	5.209	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	234903	5.213	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9943	3.357	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	195810	5.209	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	151551	5.214	ug/L	100
69) Naphthalene	13.56	128	234057	4.786	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	141568	5.301	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.082 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

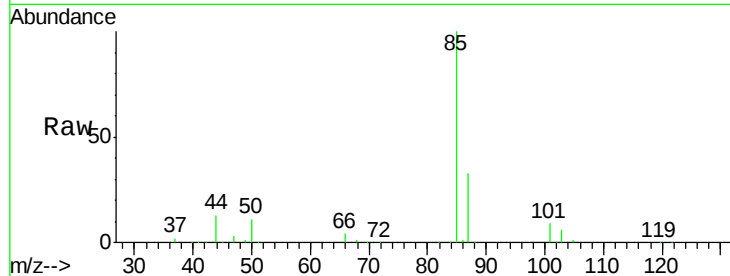
VSTD00571

Tgt Ion: 85 Resp: 106865

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV006333.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006333.D (-70) (-)

1.14

120000

100000

80000

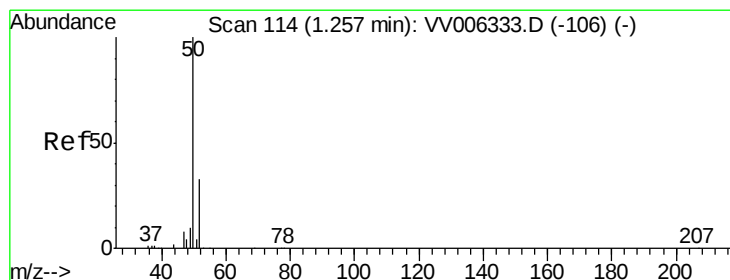
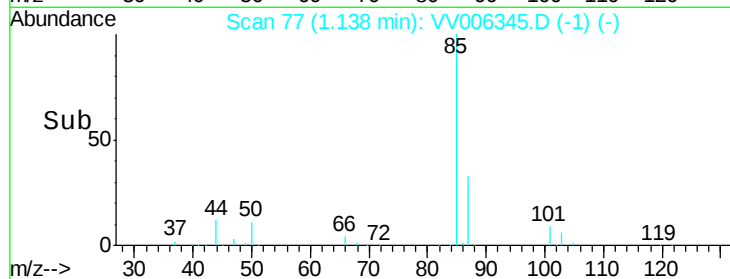
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.939 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006345.D

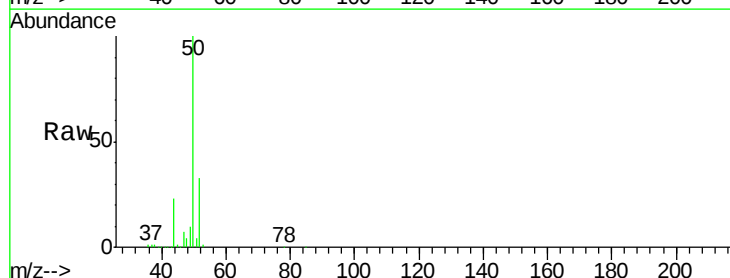
Acq: 18 Jun 2018 18:42

Tgt Ion: 50 Resp: 130041

Ion Ratio Lower Upper

50 100

52 33.5 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV006333.D (-106) (-)

Ion 52.05 (51.75 to 52.75): VV006333.D (-106) (-)

1.26

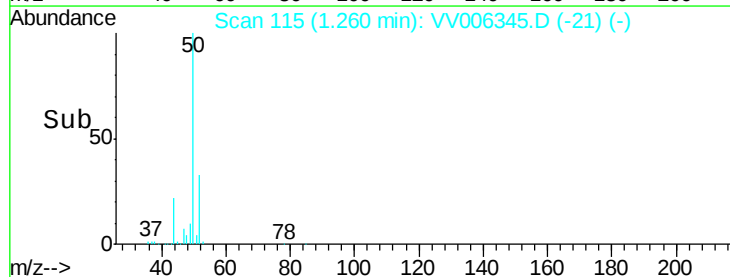
60000

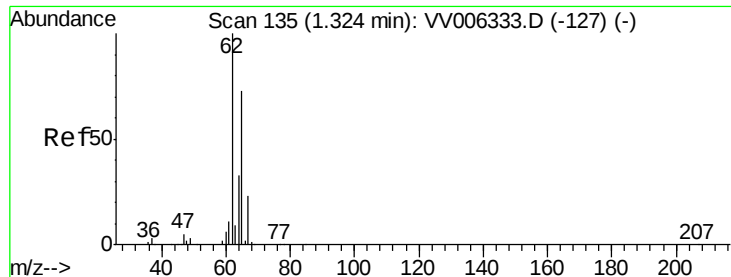
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.421 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

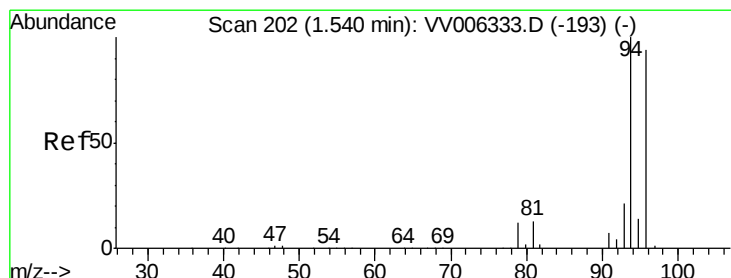
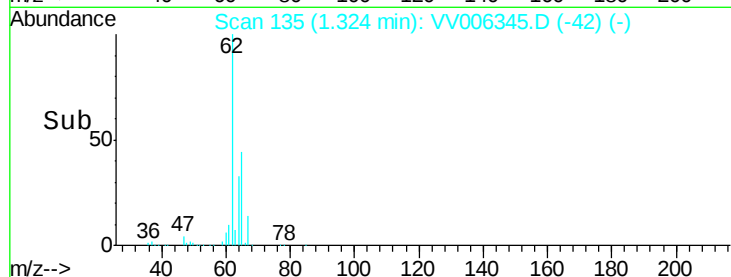
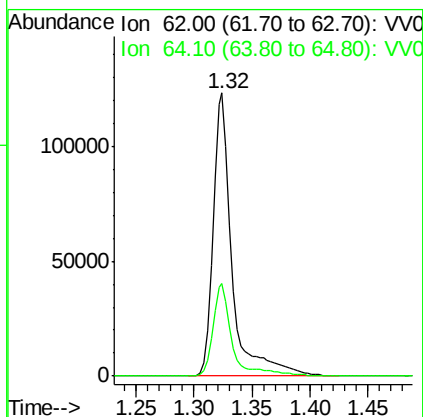
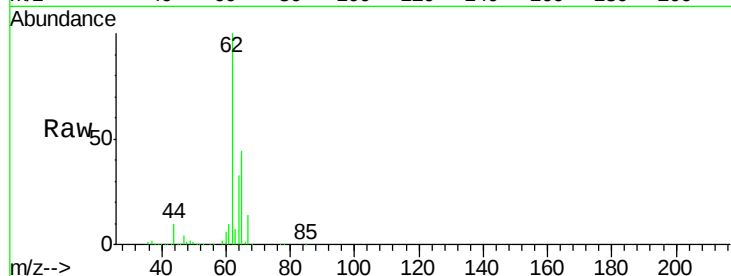
VSTD00571

Tgt Ion: 62 Resp: 143719

Ion Ratio Lower Upper

62 100

64 32.5 23.1 42.9



#6

Bromomethane

Concen: 5.259 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006345.D

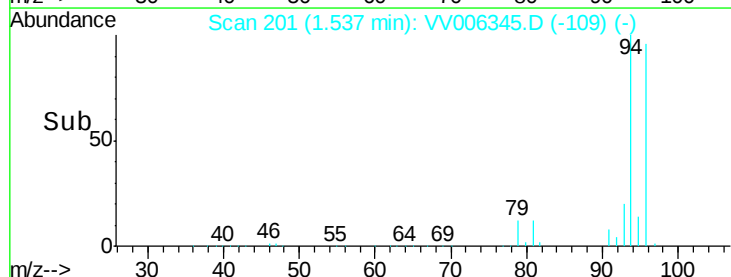
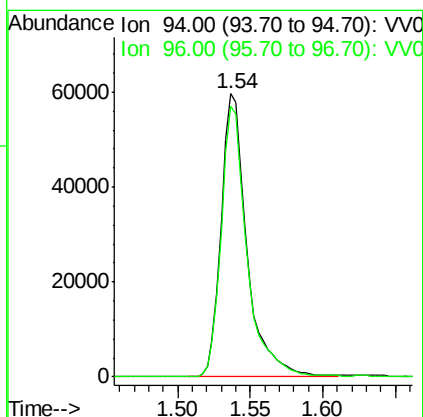
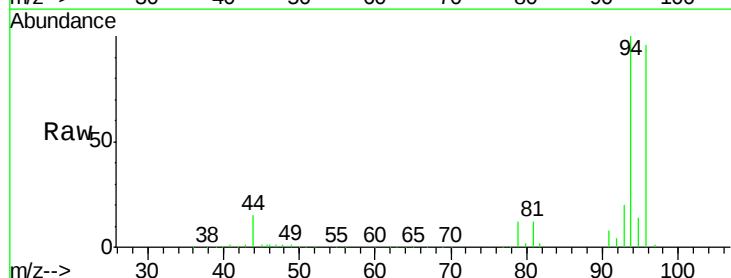
Acq: 18 Jun 2018 18:42

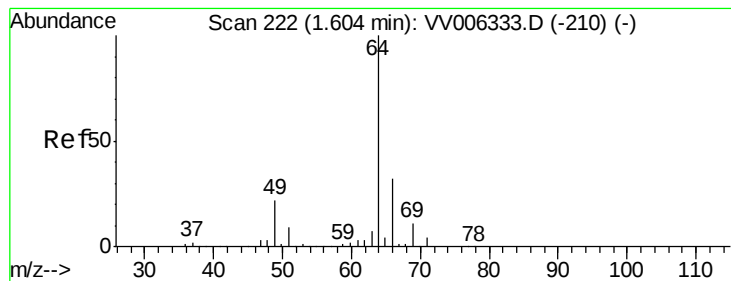
Tgt Ion: 94 Resp: 74061

Ion Ratio Lower Upper

94 100

96 95.8 68.9 127.9





#8

Chloroethane

Concen: 5.384 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

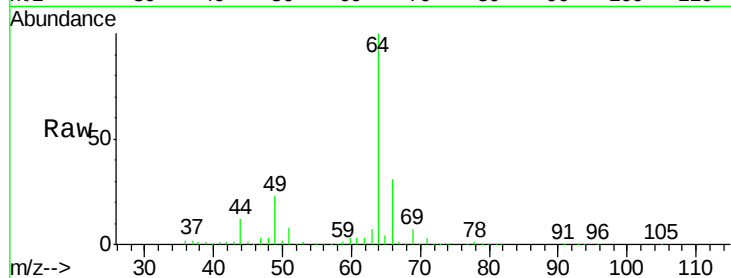
VSTD00571

Tgt Ion: 64 Resp: 79794

Ion Ratio Lower Upper

64 100

66 31.3 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV006333.D (-210) (-)

Ion 66.05 (65.75 to 66.75): VV006333.D (-210) (-)

1.60

60000

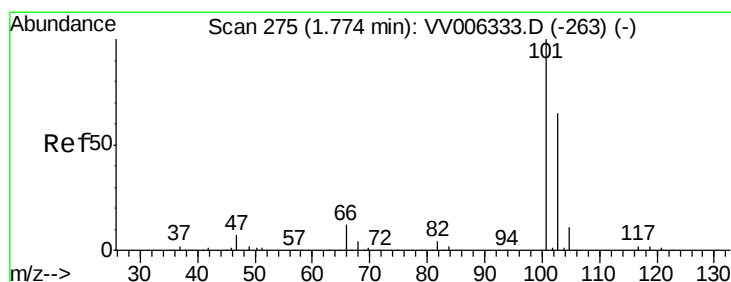
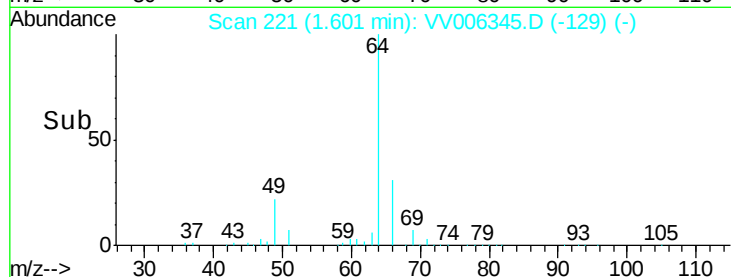
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.288 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.01 min

Lab File: VV006345.D

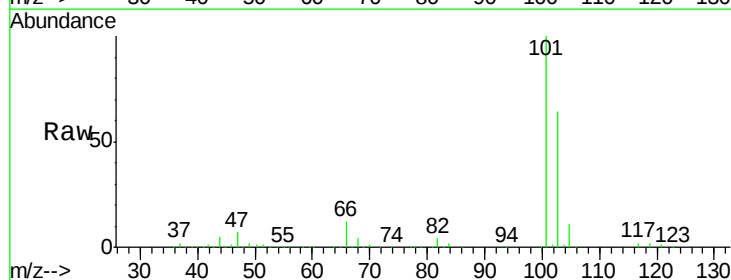
Acq: 18 Jun 2018 18:42

Tgt Ion: 101 Resp: 181892

Ion Ratio Lower Upper

101 100

103 63.8 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV006333.D (-263) (-)

Ion 103.00 (102.70 to 103.70): VV006333.D (-263) (-)

1.77

150000

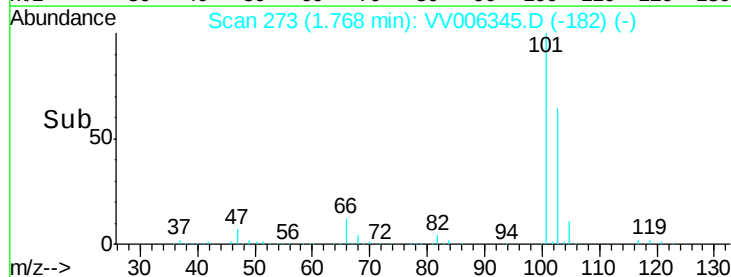
100000

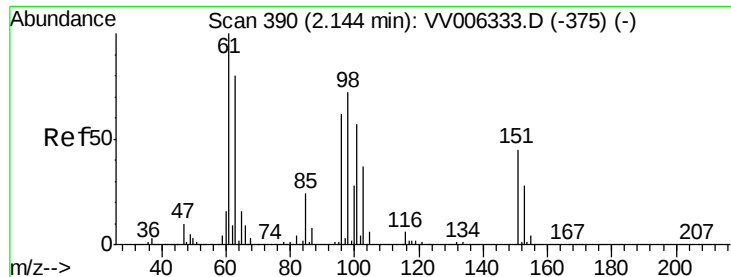
50000

0

1.70 1.80 1.90

Time-->





#10

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

Concen: 5.342 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

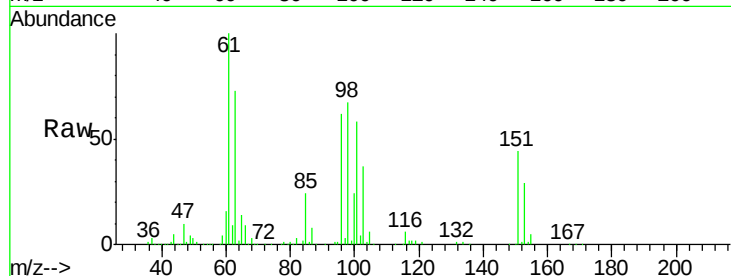
Tgt Ion: 101 Resp: 113400

Ion Ratio Lower Upper

101 100

85 41.2 32.6 49.0

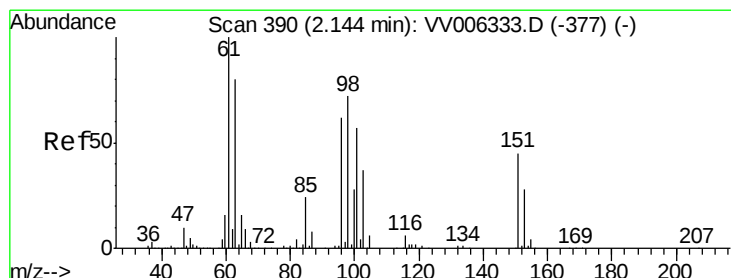
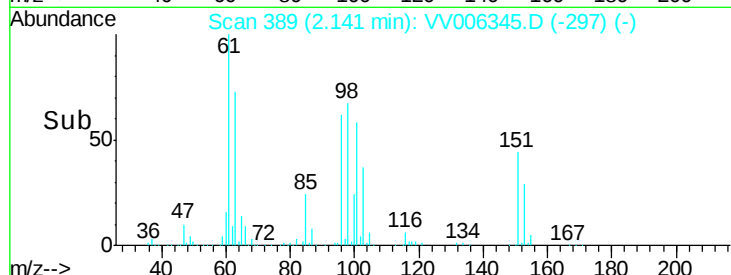
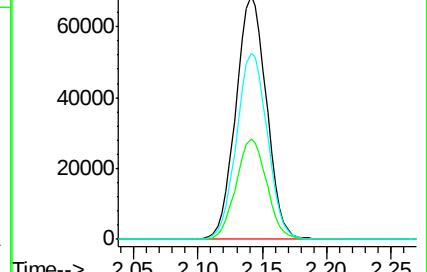
151 77.1 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV006333.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006333.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006333.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.365 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

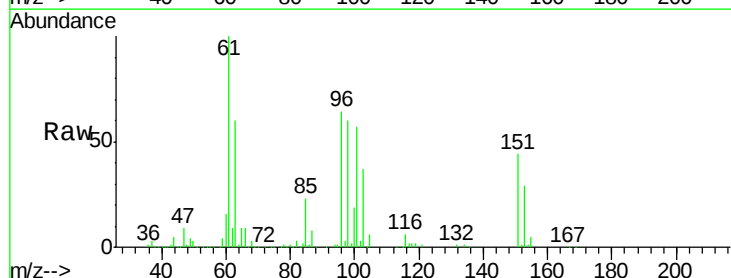
Tgt Ion: 96 Resp: 105834

Ion Ratio Lower Upper

96 100

61 155.3 114.2 212.2

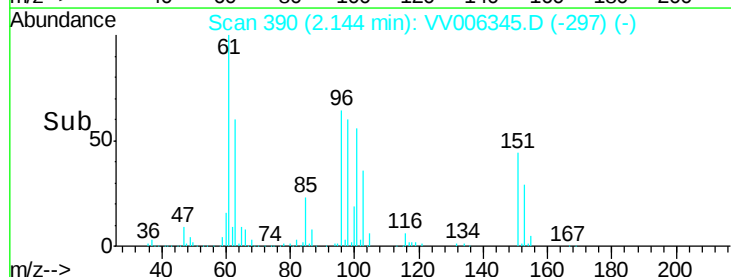
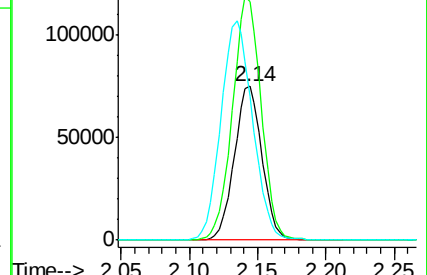
63 93.8 85.0 157.8

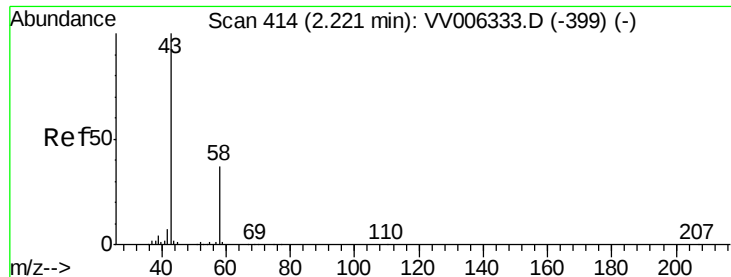


Abundance Ion 96.00 (95.70 to 96.70): VV006333.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV006333.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV006333.D (-377) (-)





#13

Acetone

Concen: 64.438 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.02 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampled :

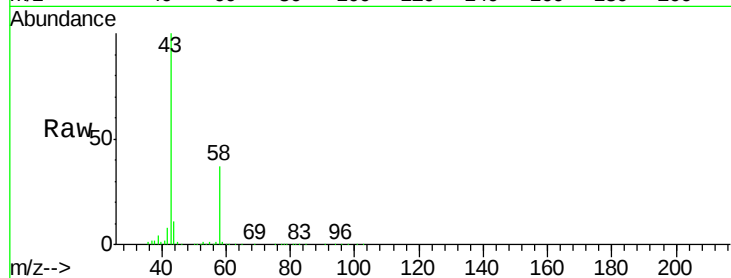
VSTD00571

Tgt Ion: 43 Resp: 139201

Ion Ratio Lower Upper

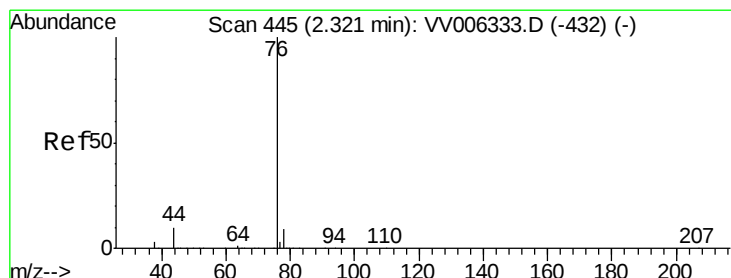
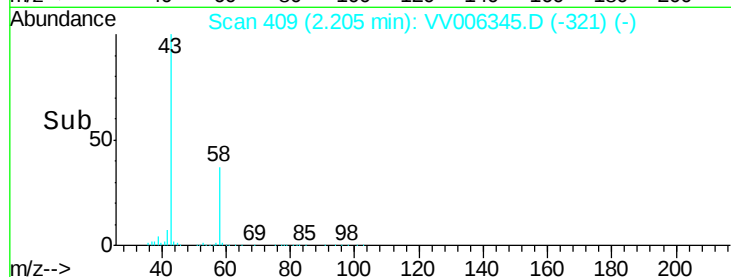
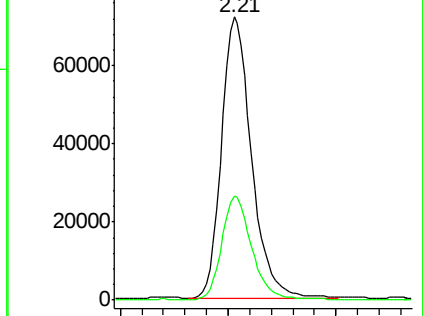
43 100

58 36.8 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.511 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006345.D

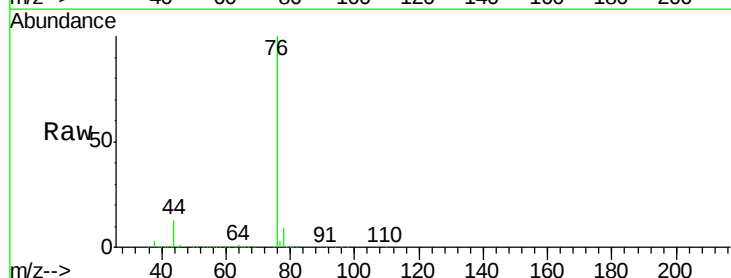
Acq: 18 Jun 2018 18:42

Tgt Ion: 76 Resp: 298130

Ion Ratio Lower Upper

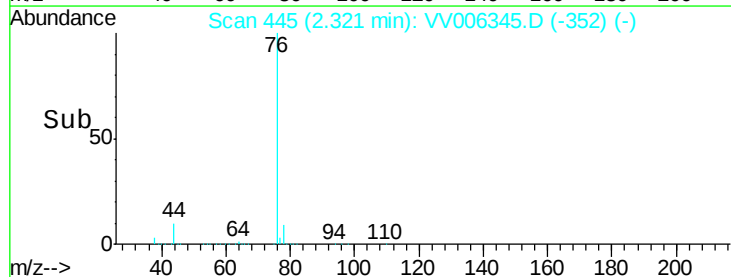
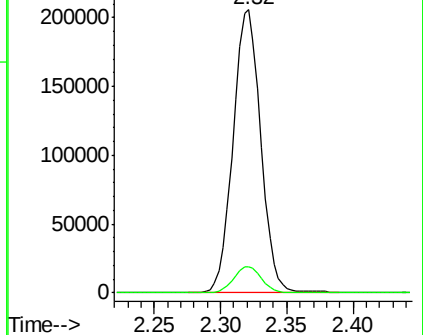
76 100

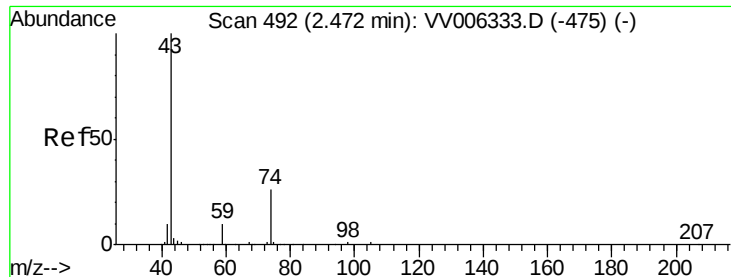
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

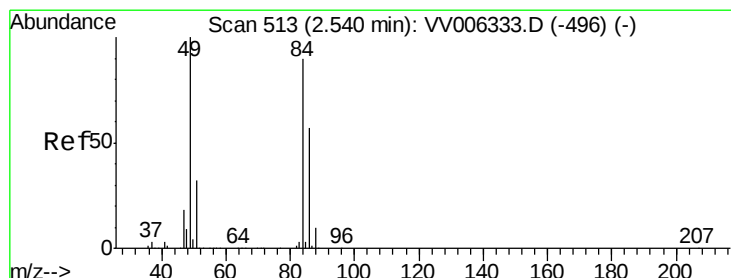
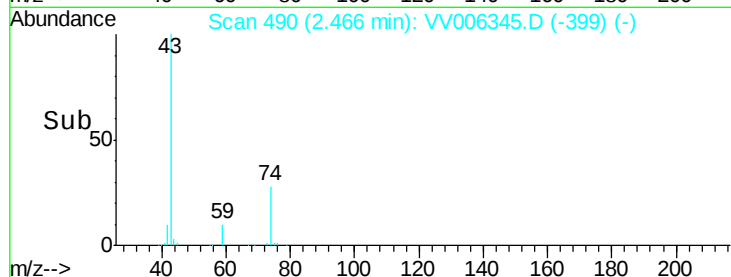
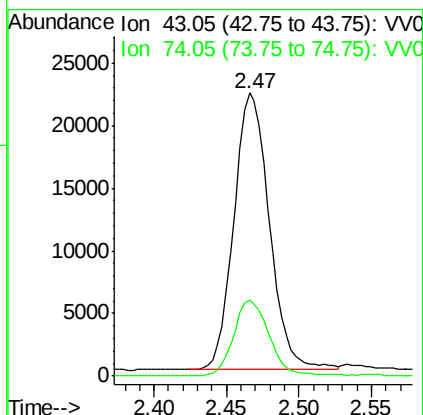
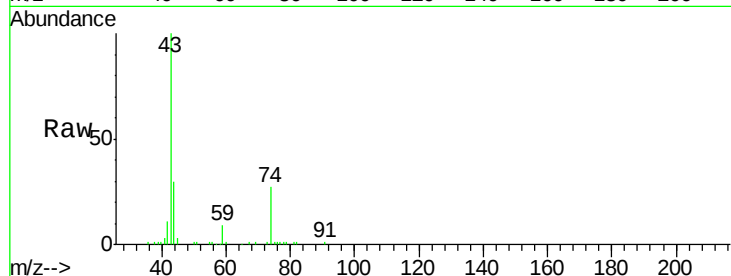




#15
Methyl Acetate
Concen: 5.852 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.01 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

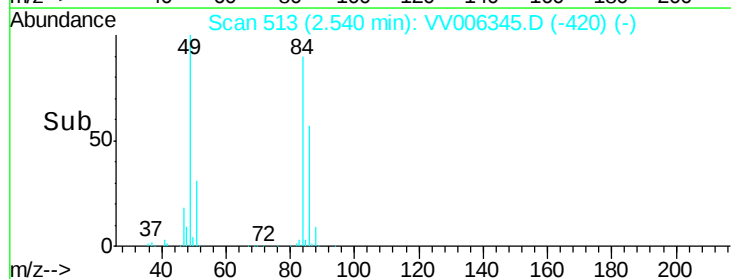
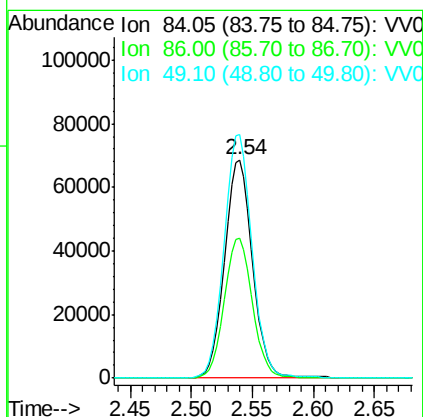
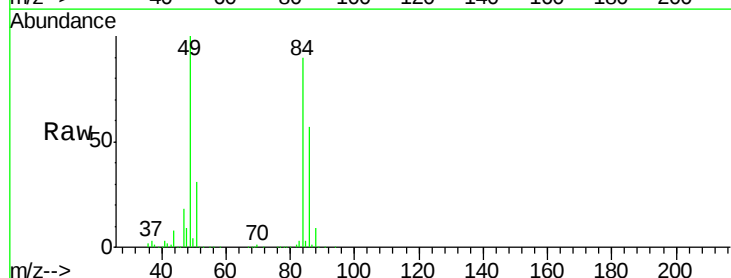
Instrument :
MSVOA_V
ClientSampled :
VSTD00571

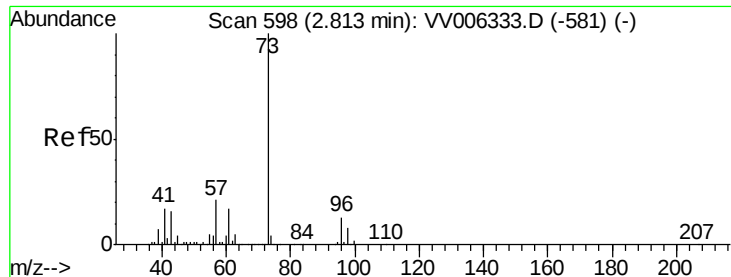
Tgt Ion: 43 Resp: 37622
Ion Ratio Lower Upper
43 100
74 27.5 23.4 35.0



#16
Methylene chloride
Concen: 5.089 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

Tgt Ion: 84 Resp: 110839
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.0
49 111.5 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.140 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

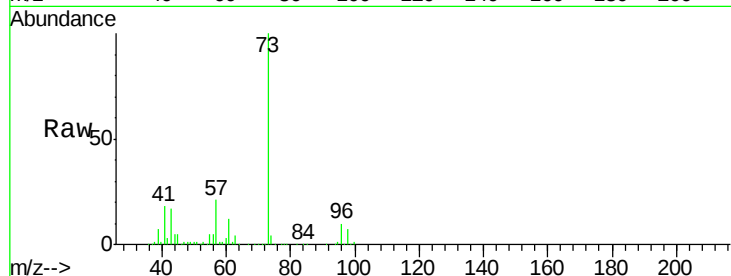
Tgt Ion: 73 Resp: 250887

Ion Ratio Lower Upper

73 100

43 16.5 14.2 21.4

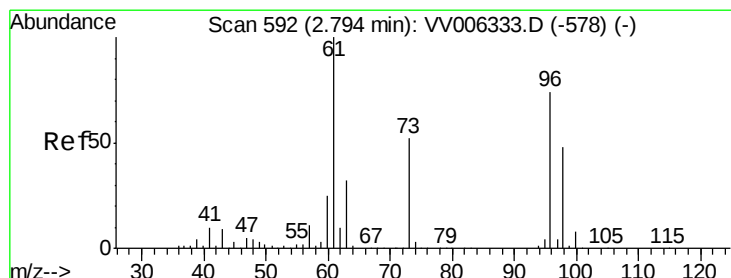
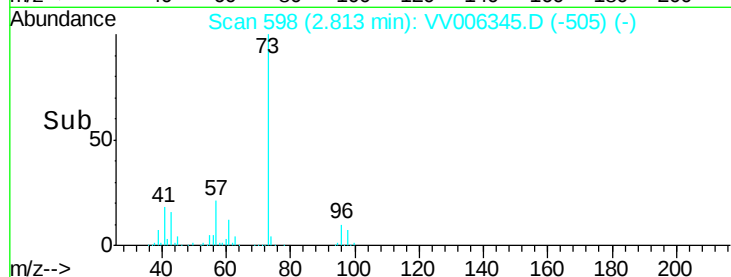
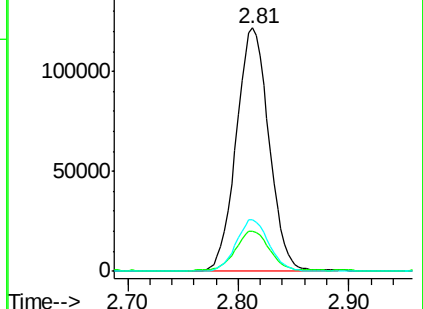
57 21.1 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV006333.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV006333.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV006333.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.408 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

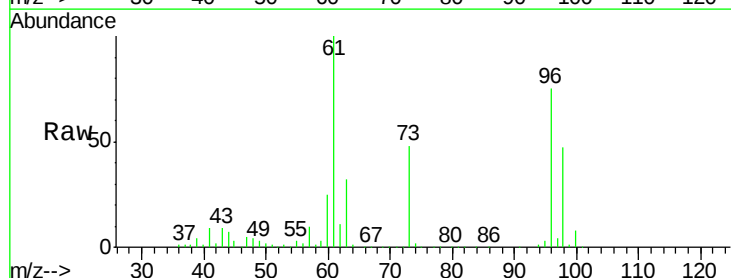
Tgt Ion: 96 Resp: 116408

Ion Ratio Lower Upper

96 100

61 132.6 96.3 178.9

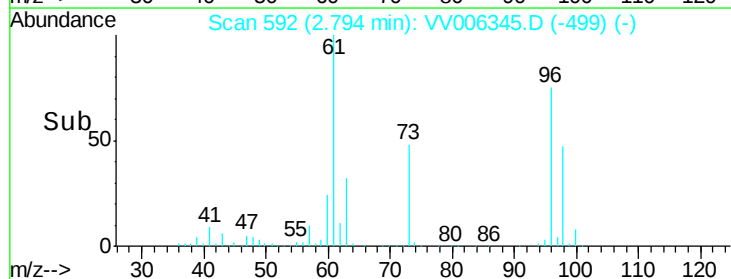
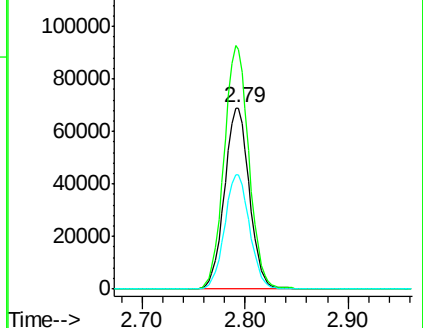
98 63.0 45.4 84.2

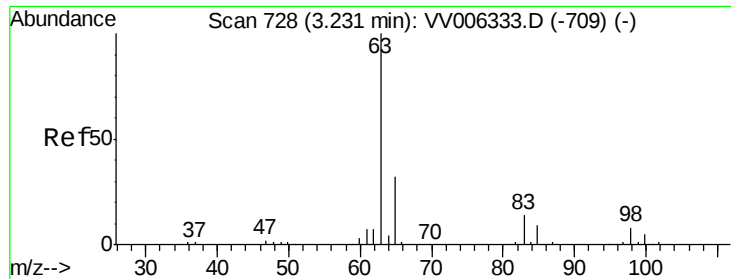


Abundance Ion 96.00 (95.70 to 96.70): VV006333.D (-578) (-)

Ion 61.05 (60.75 to 61.75): VV006333.D (-578) (-)

Ion 97.95 (97.65 to 98.65): VV006333.D (-578) (-)

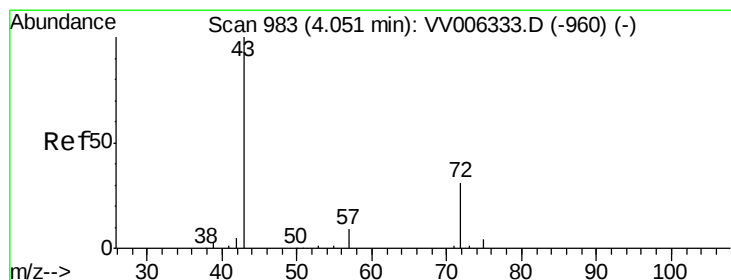
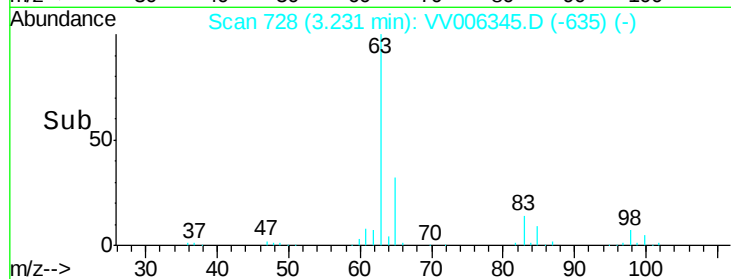
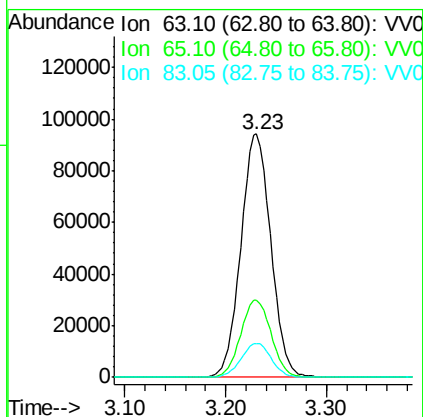
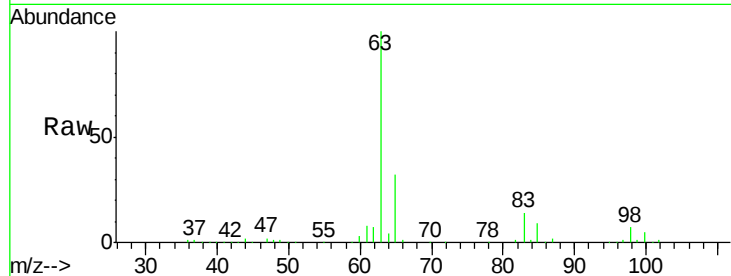




#19
 1,1-Dichloroethane
 Concen: 5.350 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

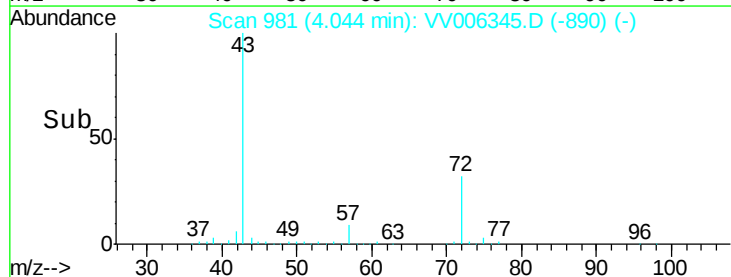
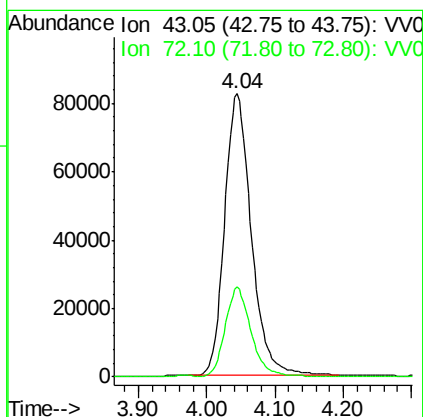
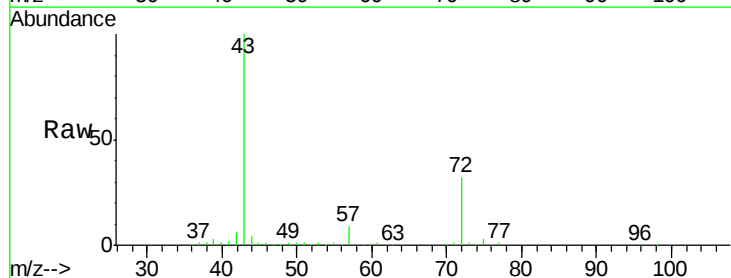
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

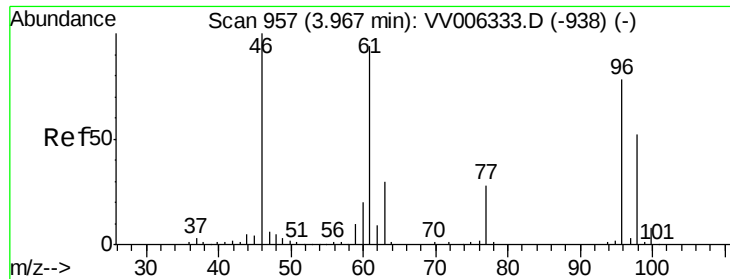
Tgt Ion: 63 Resp: 193658
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 14.0 10.0 18.6



#21
 2-Butanone
 Concen: 57.245 ug/L
 RT: 4.04 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 43 Resp: 224972
 Ion Ratio Lower Upper
 43 100
 72 30.6 13.8 41.3

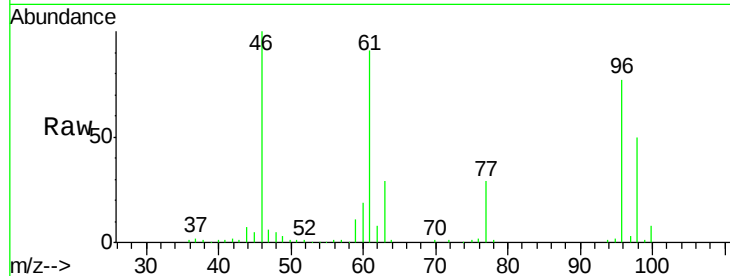




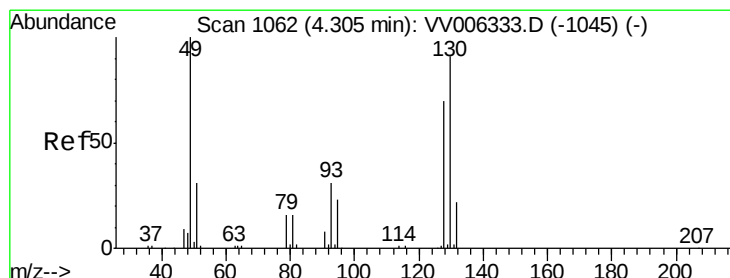
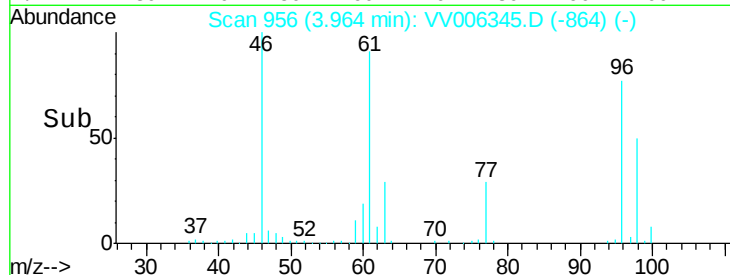
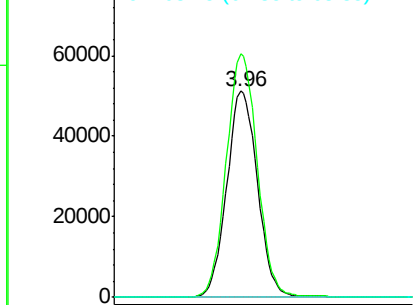
#22
 cis-1,2-Dichloroethene
 Concen: 5.257 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 96 Resp: 122427
 Ion Ratio Lower Upper
 96 100
 61 118.0 84.1 156.3
 68 0.0 0.3 0.5#



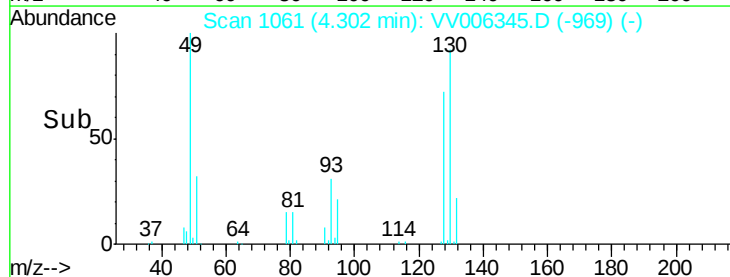
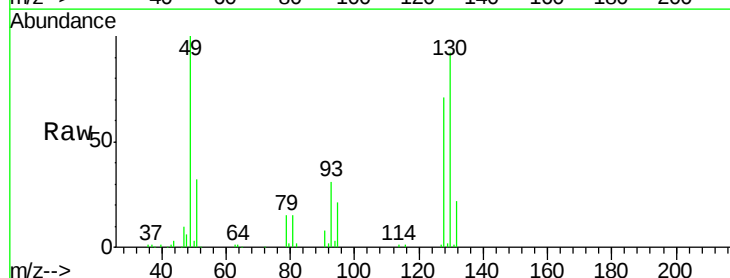
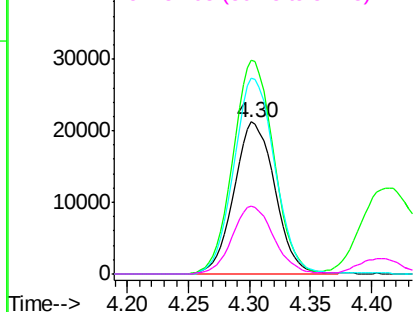
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

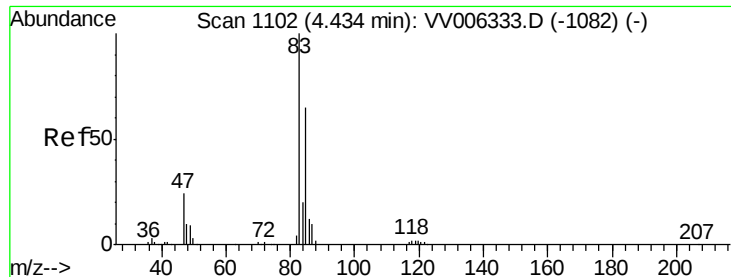


#23
 Bromochloromethane
 Concen: 5.262 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 128 Resp: 49153
 Ion Ratio Lower Upper
 128 100
 49 140.5 97.1 180.3
 130 129.2 86.6 160.8
 51 44.8 35.9 53.9

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





#25

Chloroform

Concen: 5.343 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

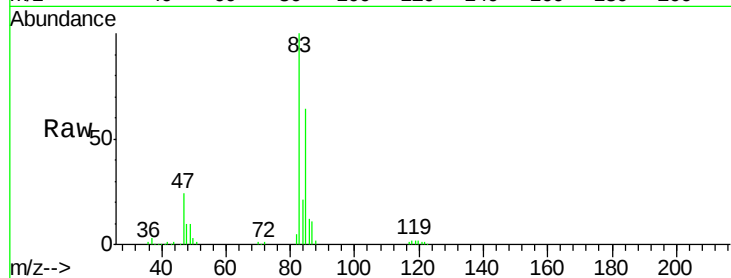
VSTD00571

Tgt Ion: 83 Resp: 199749

Ion Ratio Lower Upper

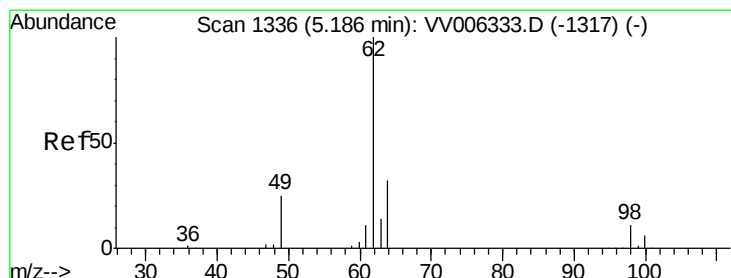
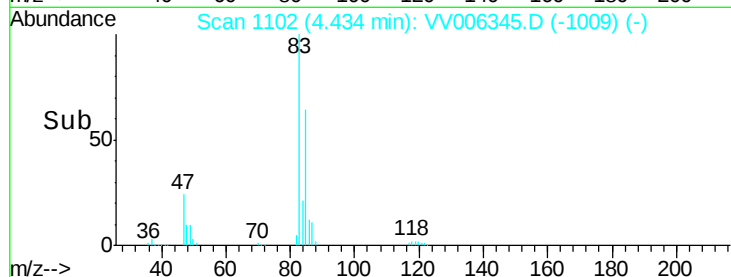
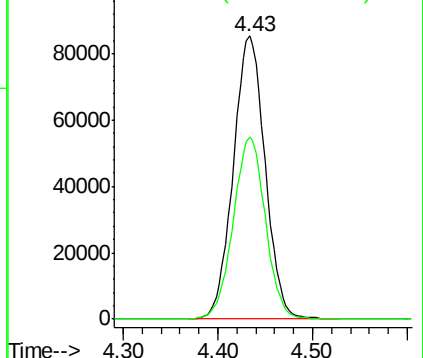
83 100

85 64.4 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 5.292 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV006345.D

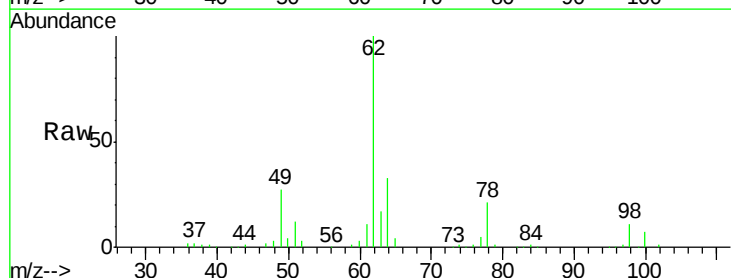
Acq: 18 Jun 2018 18:42

Tgt Ion: 62 Resp: 113600

Ion Ratio Lower Upper

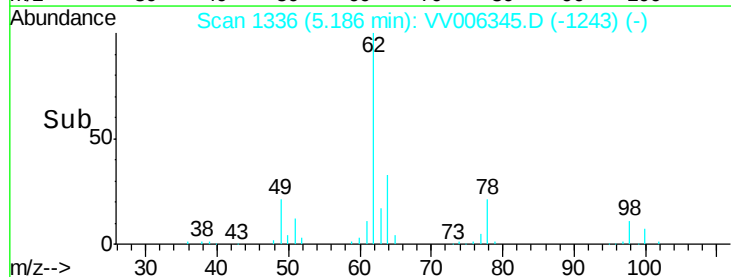
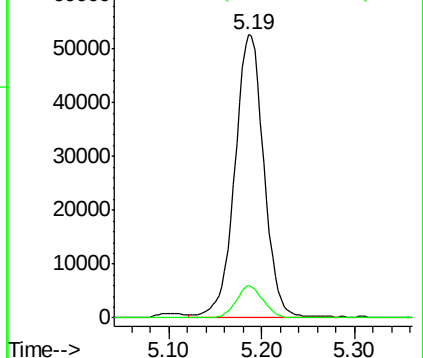
62 100

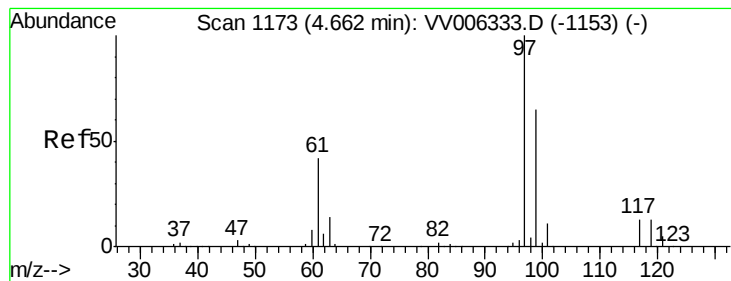
98 11.4 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 4.864 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

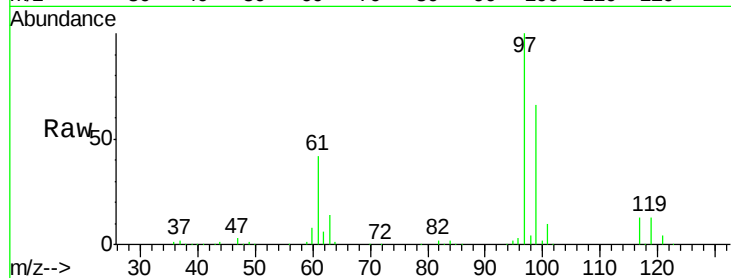
Tgt Ion: 97 Resp: 168943

Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

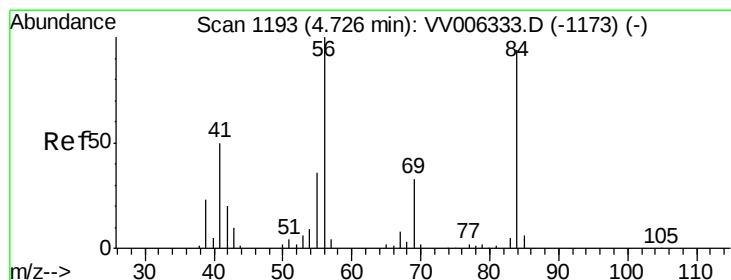
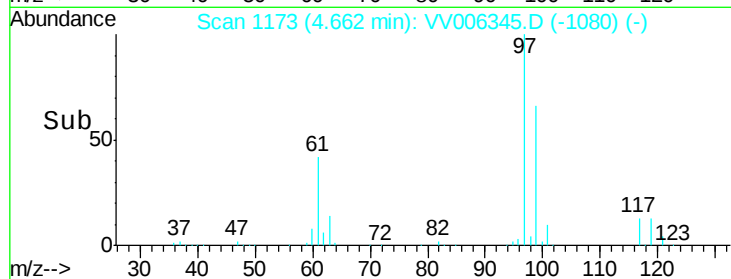
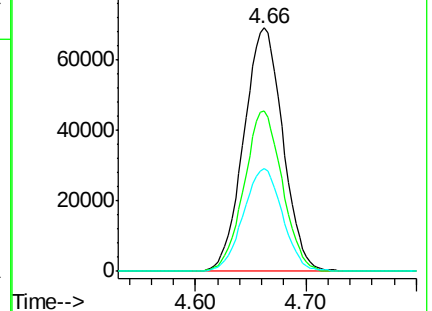
61 42.4 33.7 50.5



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: 4.946 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

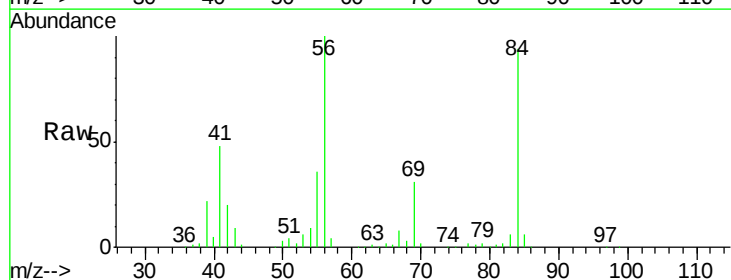
Tgt Ion: 56 Resp: 176712

Ion Ratio Lower Upper

56 100

69 32.3 26.4 39.6

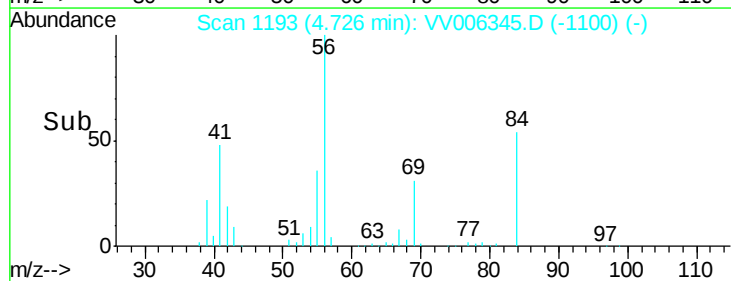
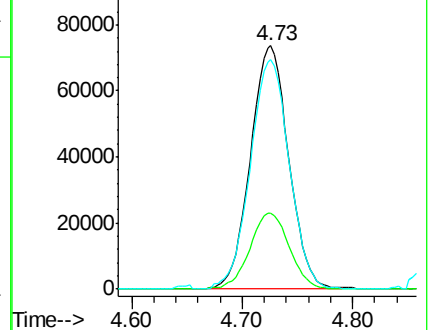
84 96.2 78.9 118.3

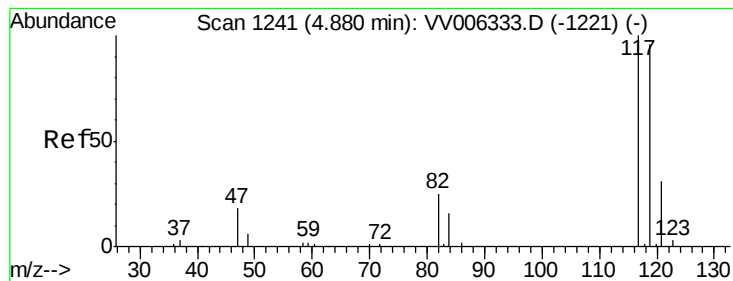


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.629 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

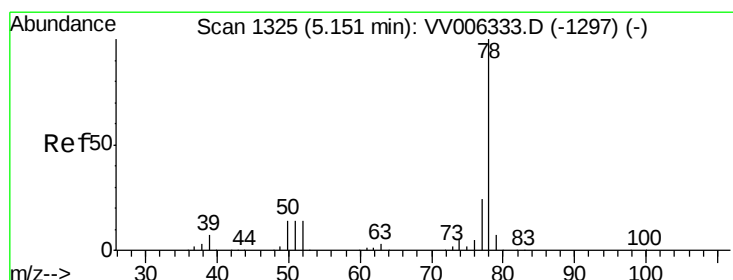
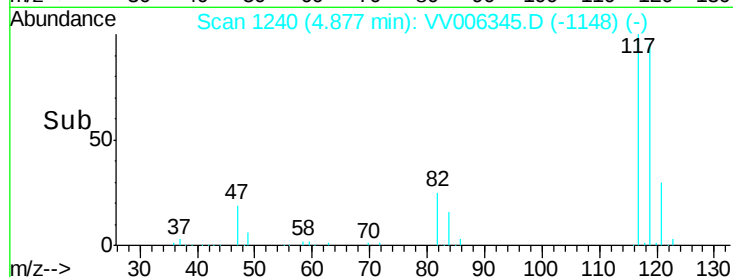
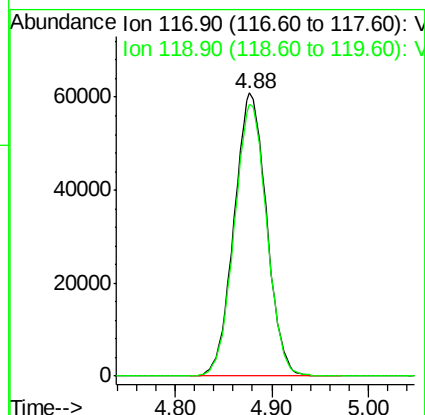
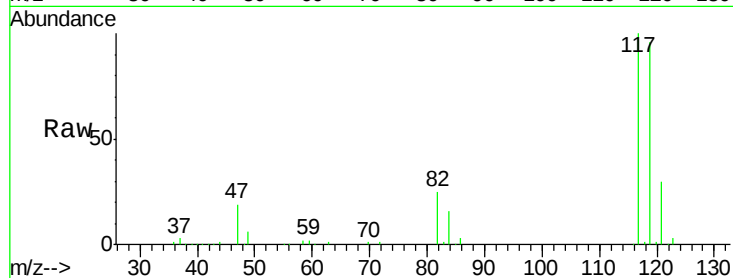
VSTD00571

Tgt Ion:117 Resp: 141836

Ion Ratio Lower Upper

117 100

119 96.3 76.1 114.1



#33

Benzene

Concen: 5.220 ug/L

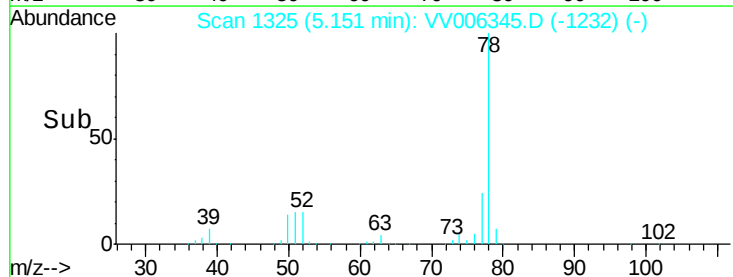
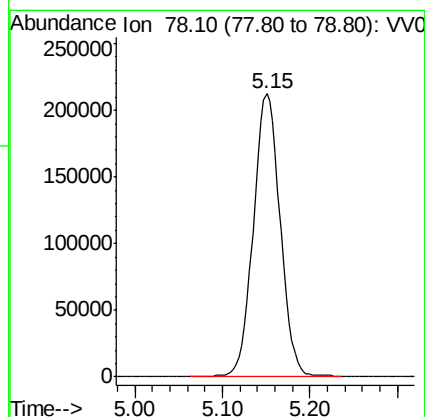
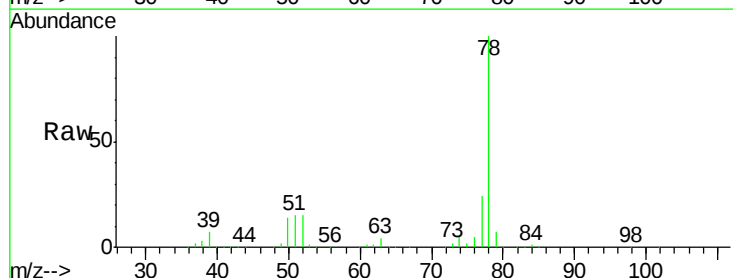
RT: 5.15 min Scan# 1325

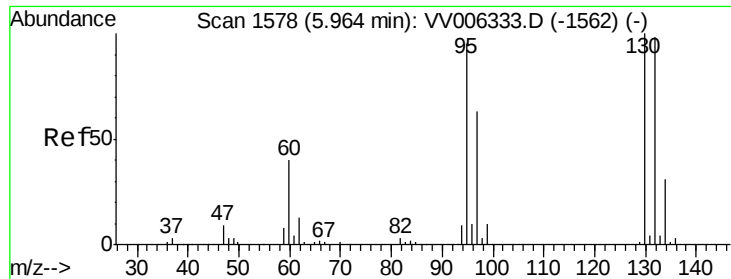
Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Tgt Ion: 78 Resp: 452482

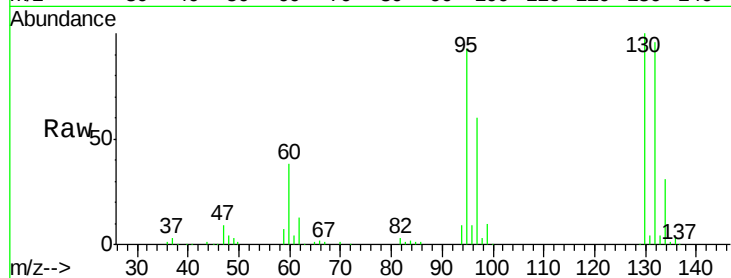




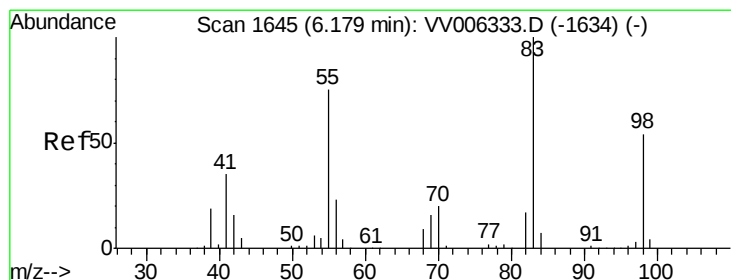
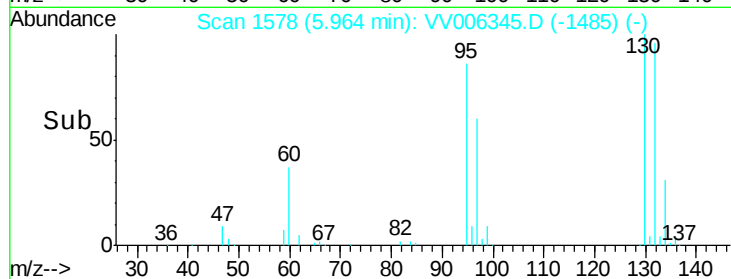
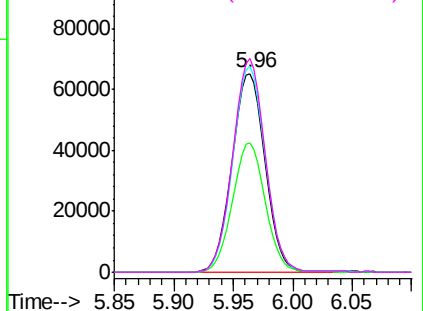
#34
 Trichloroethene
 Concen: 5.321 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 95 Resp: 125902
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.1 83.9
 132 103.5 69.0 128.1
 130 107.3 72.8 135.2

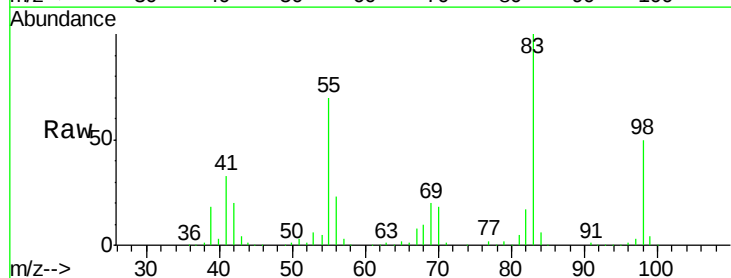


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

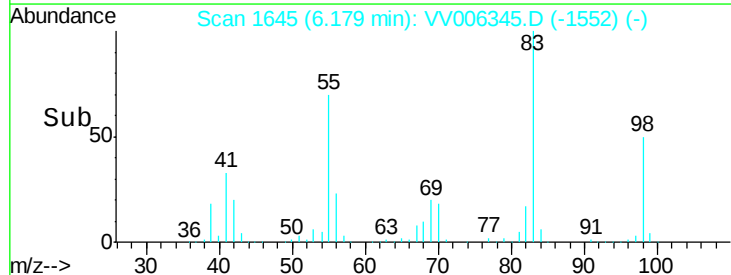
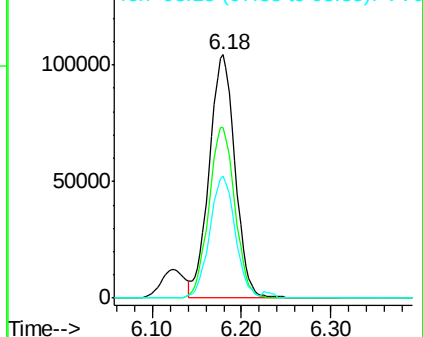


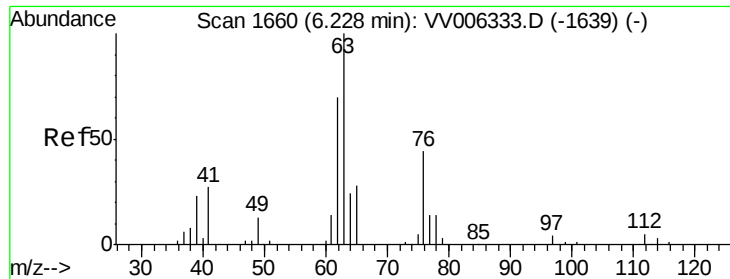
#35
 Methylcyclohexane
 Concen: 5.157 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 83 Resp: 209729
 Ion Ratio Lower Upper
 83 100
 55 70.3 57.5 86.3
 98 49.4 39.8 59.8



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

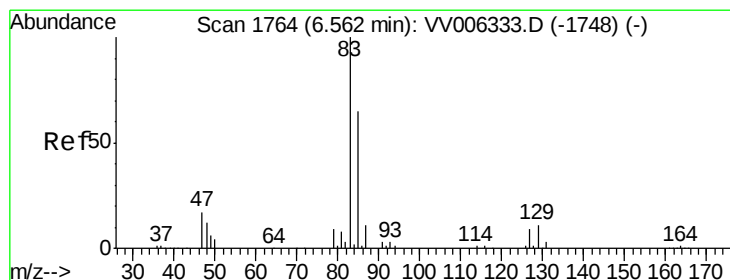
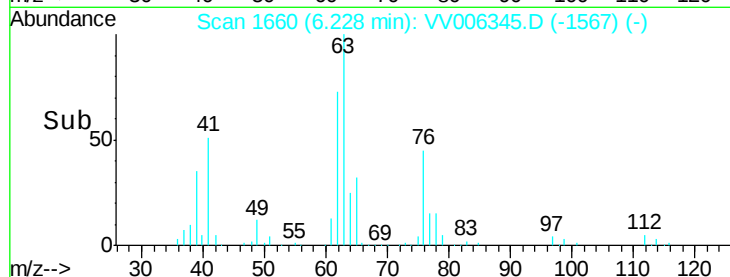
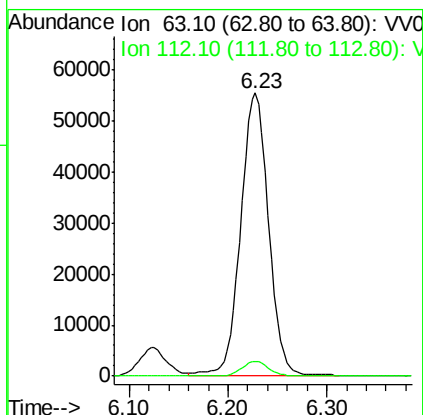
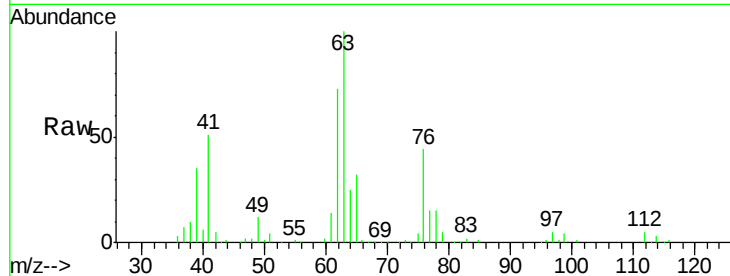




#37
 1,2-Dichloropropane
 Concen: 5.180 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

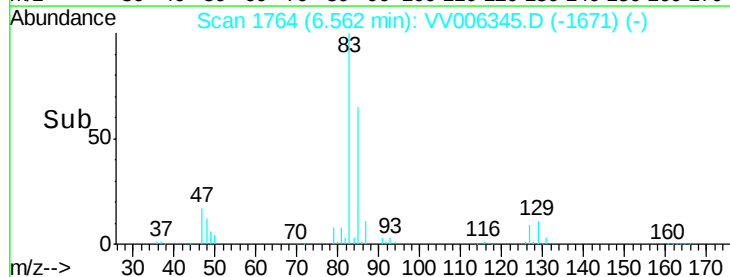
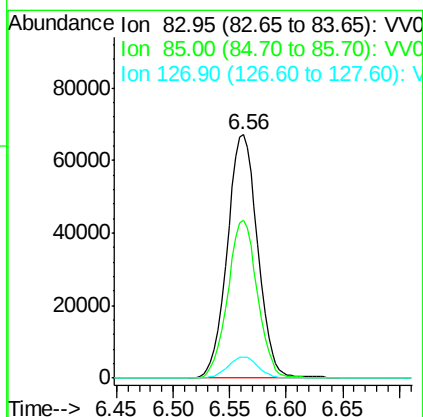
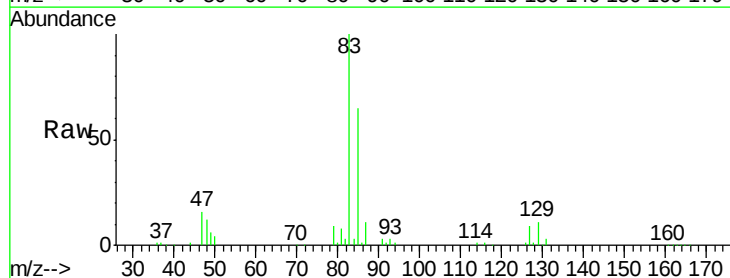
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

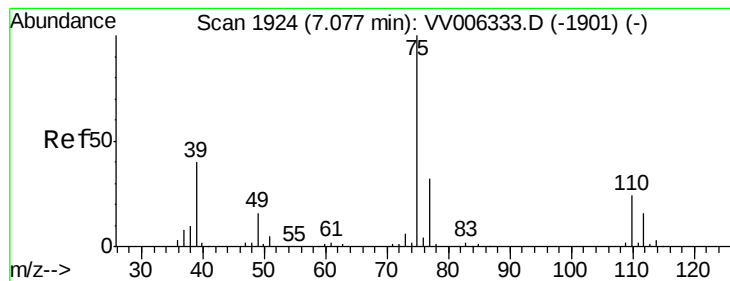
Tgt Ion: 63 Resp: 107574
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.536 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 83 Resp: 125442
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.9 83.5
 127 8.7 7.0 10.4



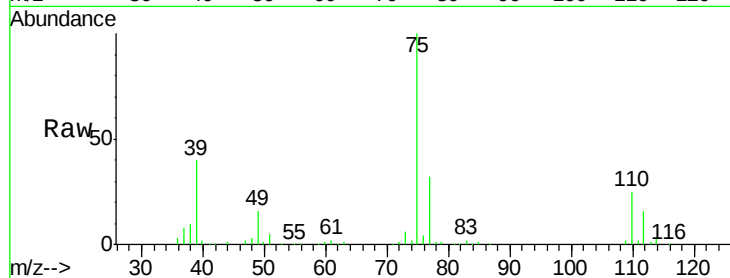


#39

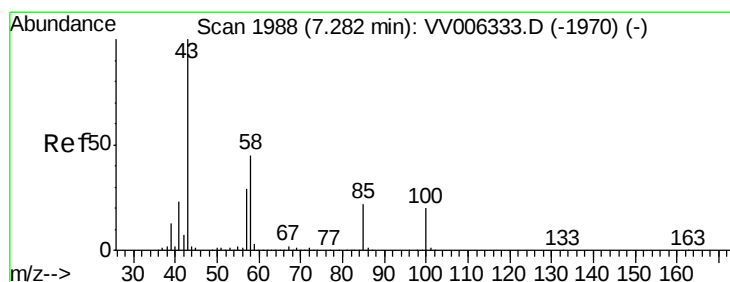
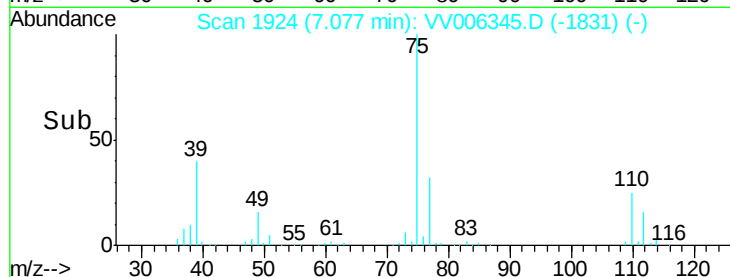
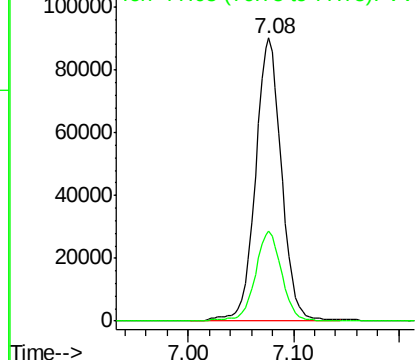
cis-1,3-Dichloropropene
 Concen: 4.584 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 75 Resp: 155180
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.7



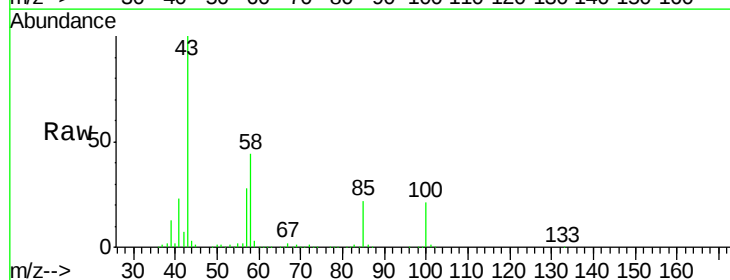
Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0



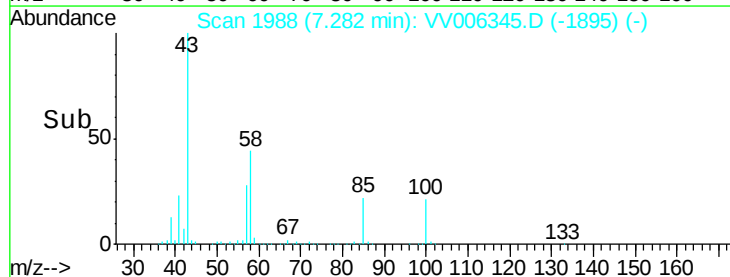
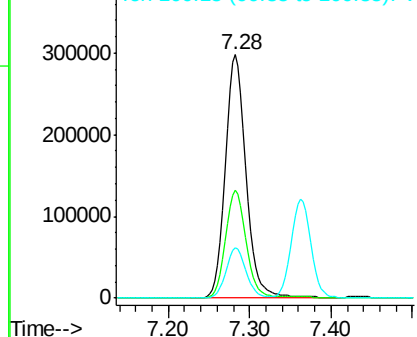
#40

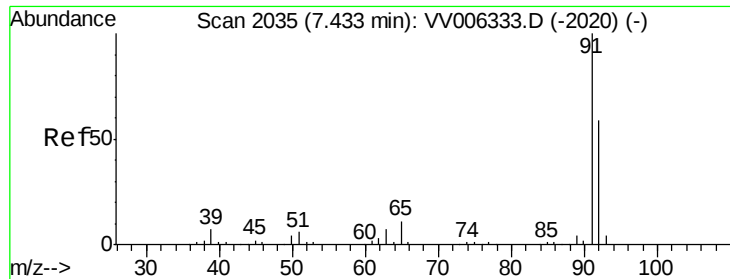
4-Methyl-2-pentanone
 Concen: 50.114 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 43 Resp: 538292
 Ion Ratio Lower Upper
 43 100
 58 44.2 36.0 54.0
 100 20.0 15.4 23.2



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





#42

Toluene

Concen: 5.144 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

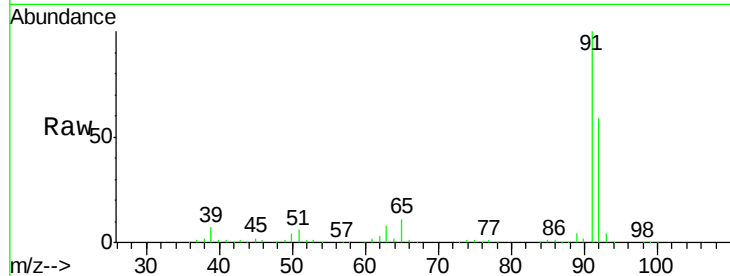
VSTD00571

Tgt Ion: 91 Resp: 492204

Ion Ratio Lower Upper

91 100

92 58.9 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

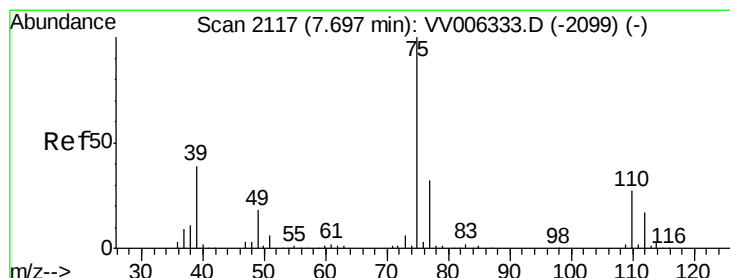
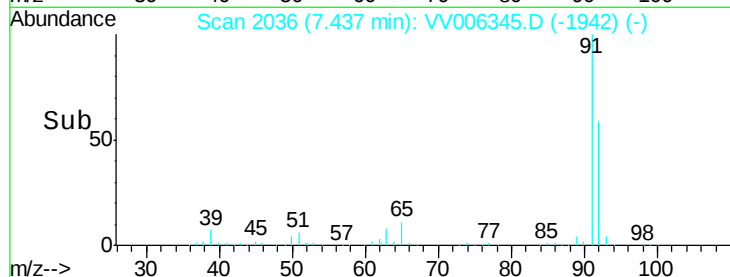
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.443 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006345.D

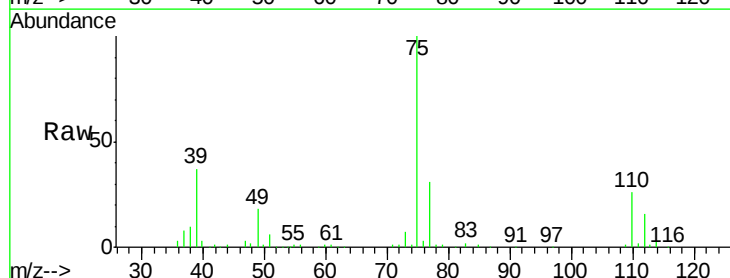
Acq: 18 Jun 2018 18:42

Tgt Ion: 75 Resp: 121997

Ion Ratio Lower Upper

75 100

77 31.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

80000

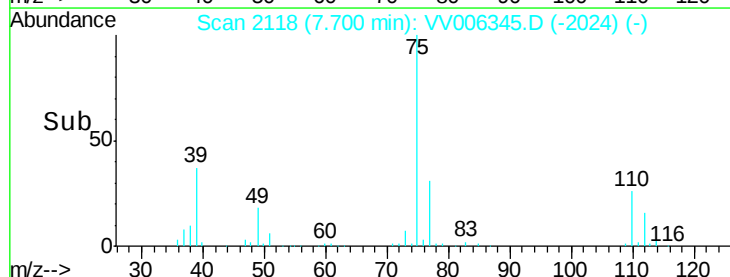
60000

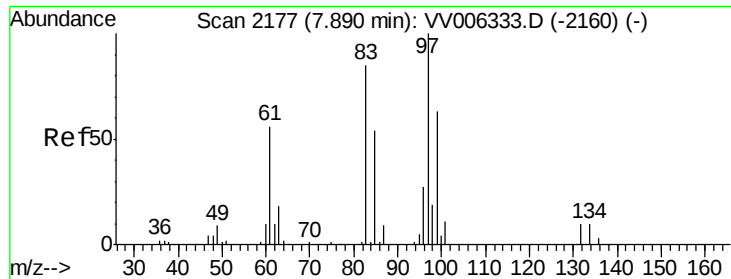
40000

20000

0

Time-->

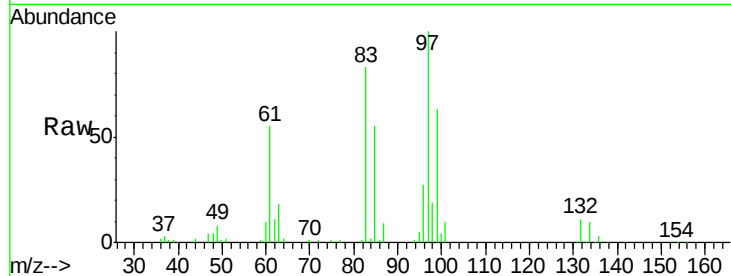




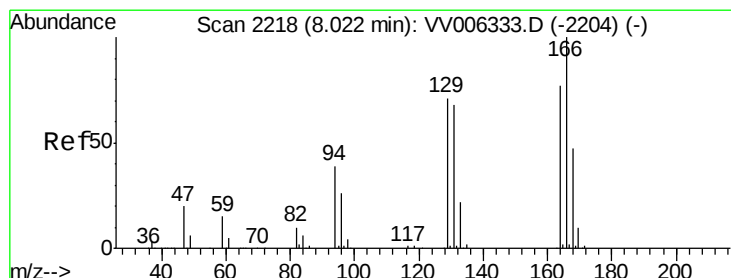
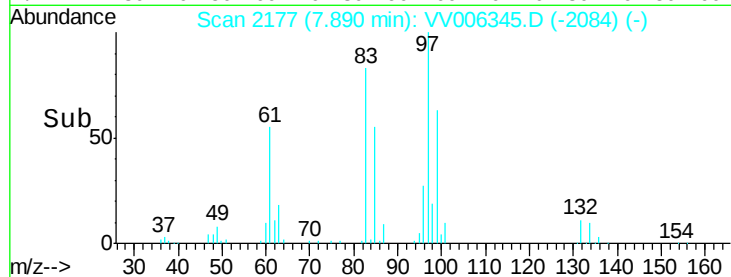
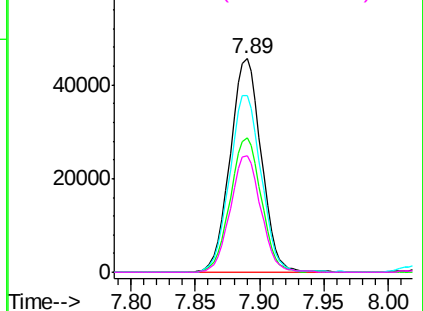
#45
 1,1,2-Trichloroethane
 Concen: 5.212 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:	97	Resp:	76611
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.3
83	82.9	58.2	108.2
85	54.7	39.3	73.1

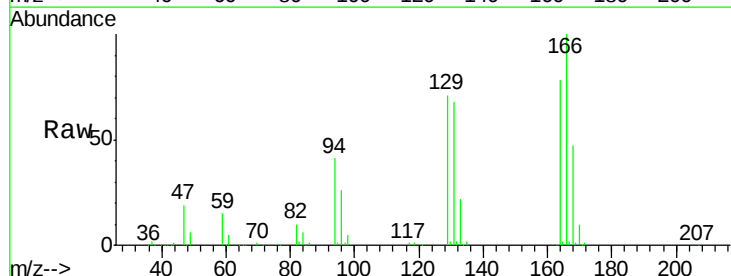


Abundance Ion 96.95 (96.65 to 97.65): VV006345.D (-2084) (-)

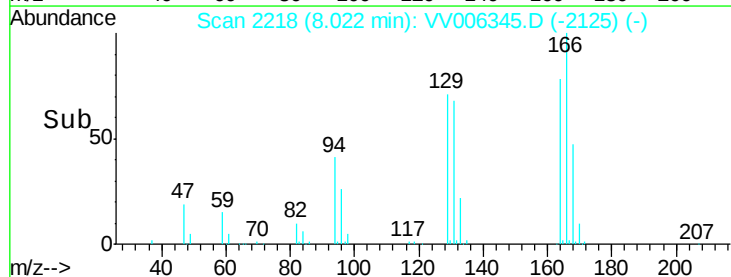
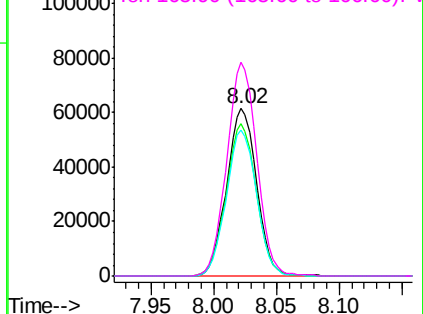


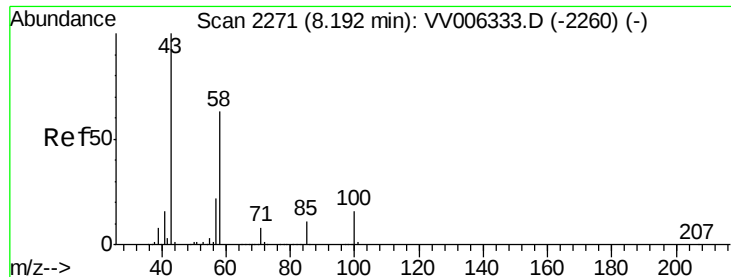
#47
 Tetrachloroethene
 Concen: 5.399 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion:	164	Resp:	102246
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.7	116.5
131	87.3	61.0	113.2
166	127.8	89.5	166.3



Abundance Ion 163.90 (163.60 to 164.60): VV006345.D (-2125) (-)

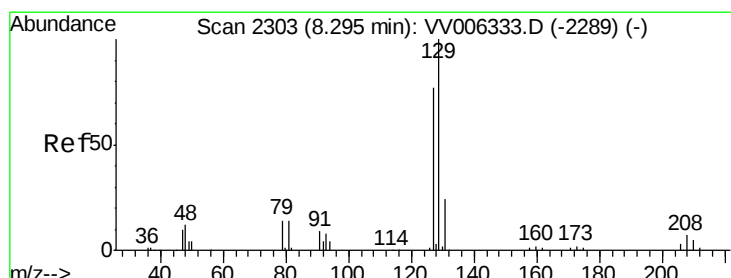
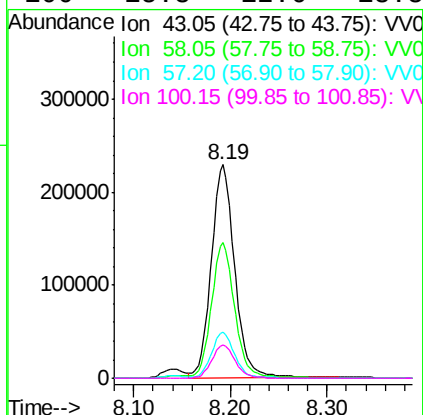
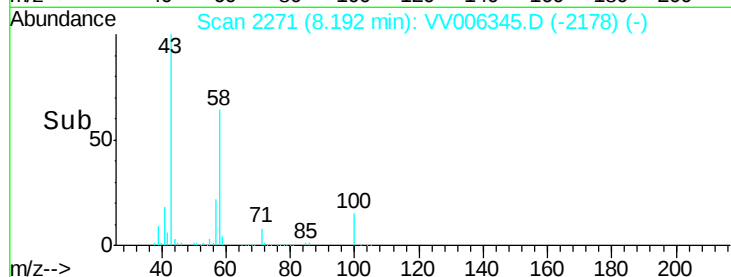
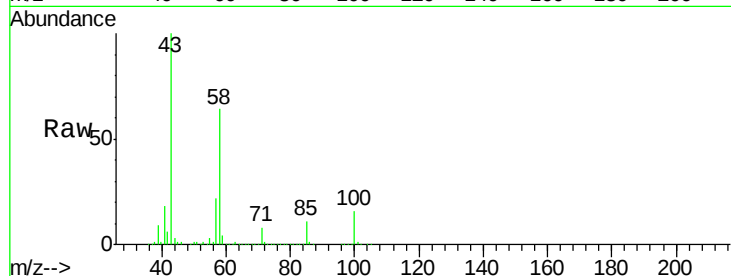




#48
2-Hexanone
Concen: 51.110 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

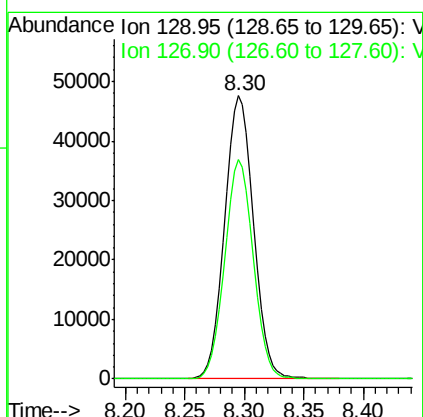
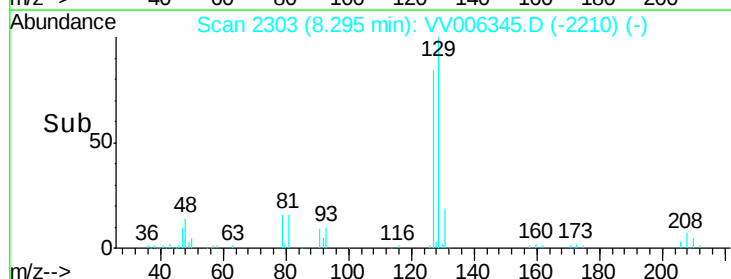
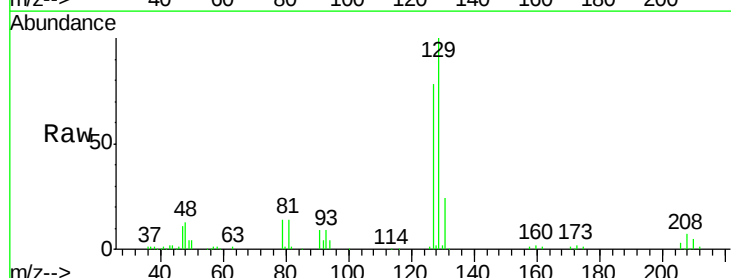
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

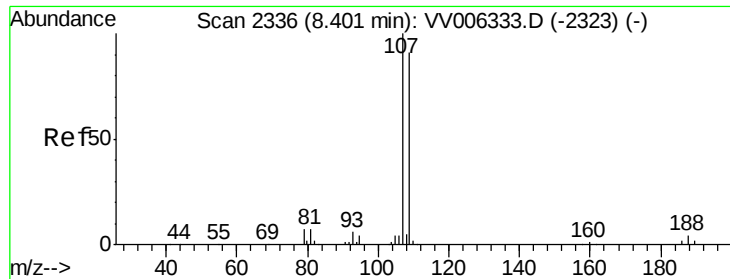
Tgt Ion: 43 Resp: 385838
Ion Ratio Lower Upper
43 100
58 62.7 48.6 72.8
57 21.4 17.5 26.3
100 15.8 12.6 18.8



#49
Dibromochloromethane
Concen: 4.338 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

Tgt Ion: 129 Resp: 80291
Ion Ratio Lower Upper
129 100
127 77.6 55.2 102.4

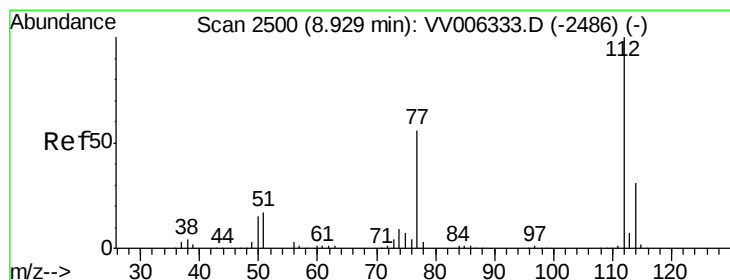
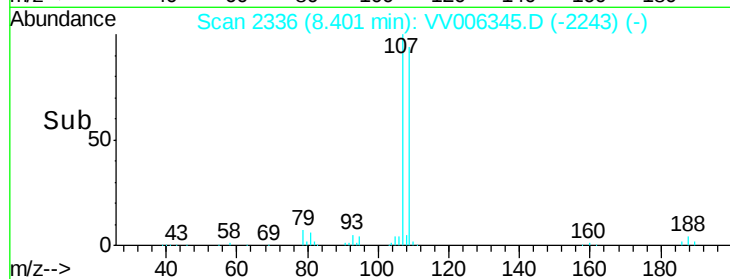
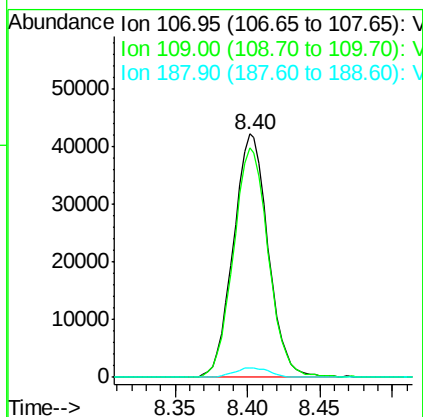
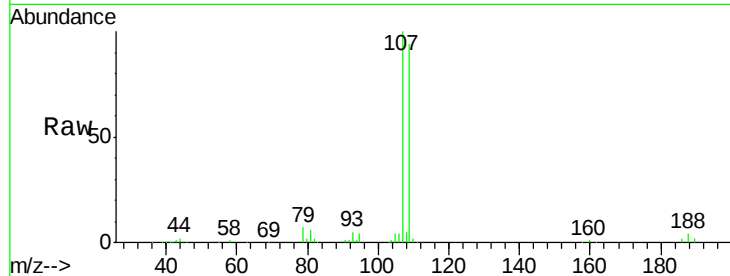




#50
1,2-Dibromoethane
Concen: 5.142 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

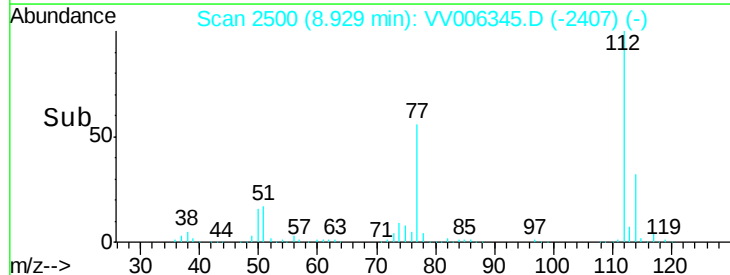
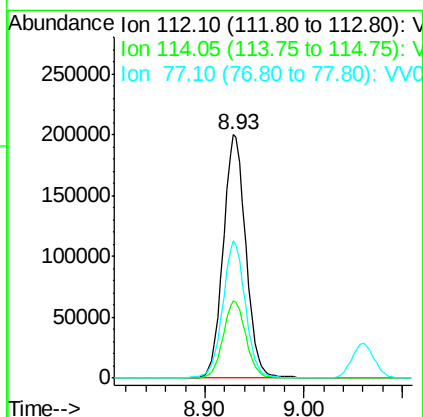
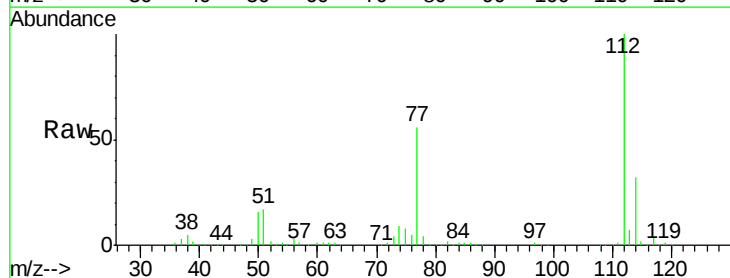
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

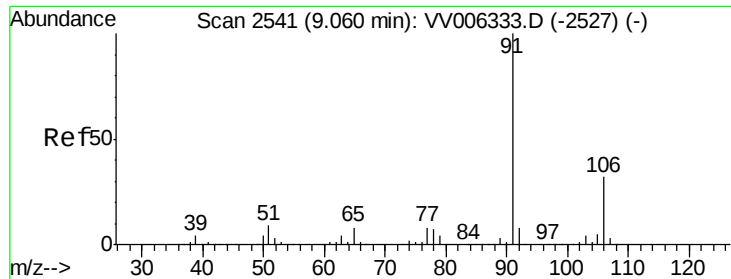
Tgt Ion:107 Resp: 70425
Ion Ratio Lower Upper
107 100
109 94.2 66.8 124.2
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 5.266 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

Tgt Ion:112 Resp: 323483
Ion Ratio Lower Upper
112 100
114 31.7 22.2 41.2
77 56.2 45.2 67.8





#52

Ethylbenzene

Concen: 5.132 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

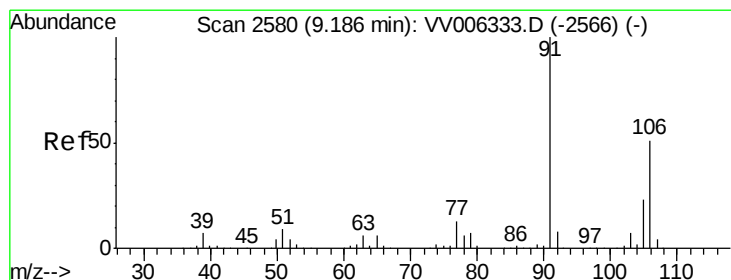
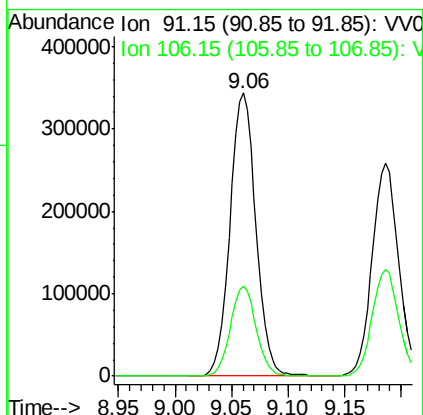
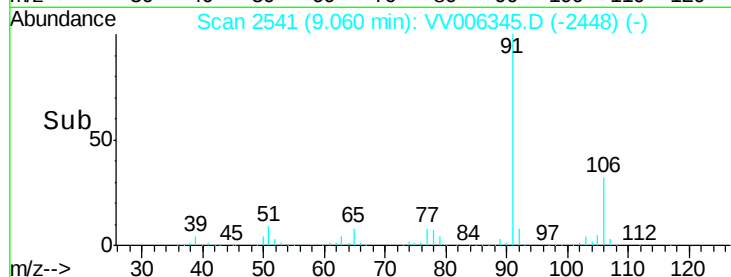
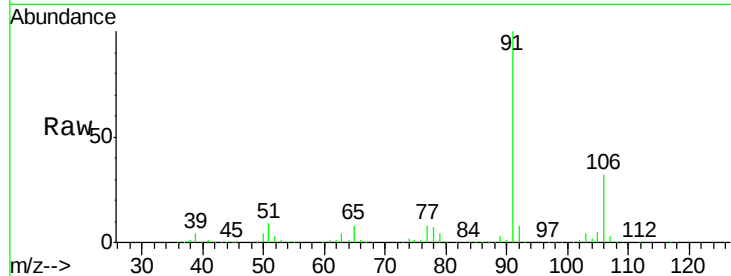
VSTD00571

Tgt Ion: 91 Resp: 547099

Ion Ratio Lower Upper

91 100

106 31.6 21.9 40.7



#53

m,p-xylene

Concen: 5.127 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006345.D

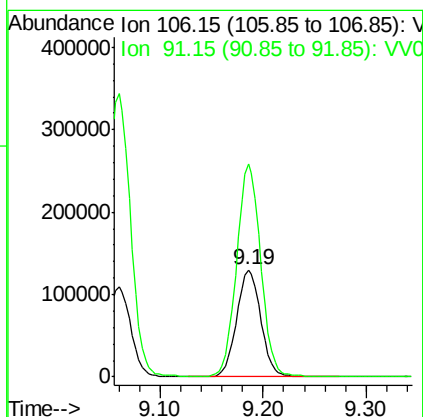
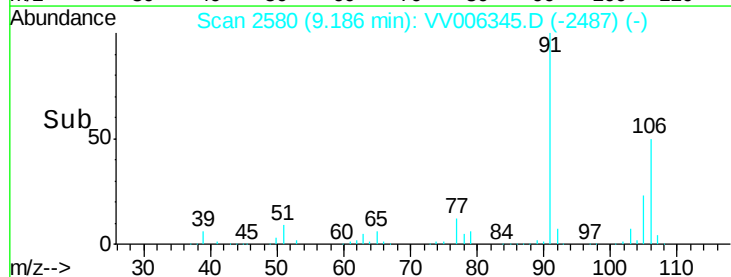
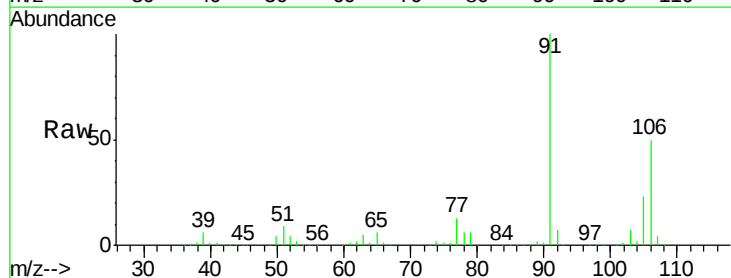
Acq: 18 Jun 2018 18:42

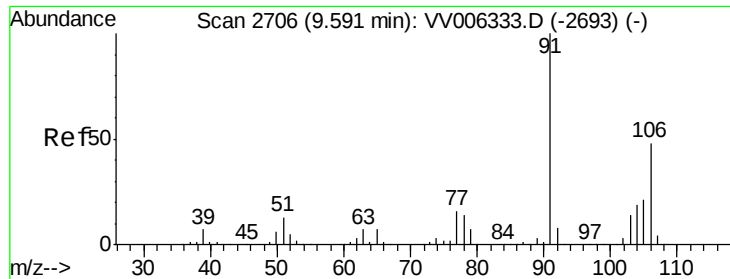
Tgt Ion: 106 Resp: 213245

Ion Ratio Lower Upper

106 100

91 199.2 139.7 259.4

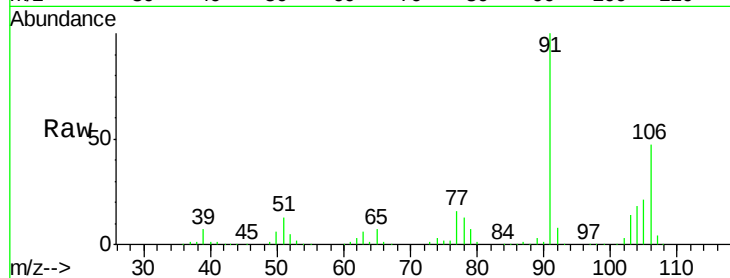




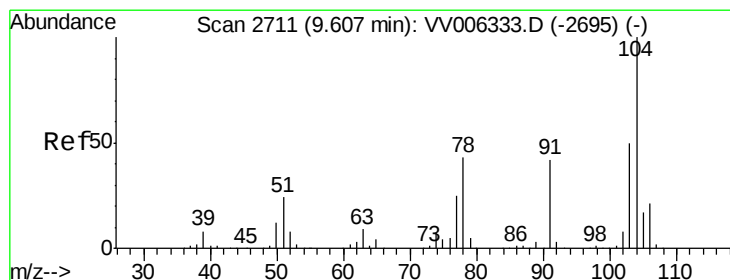
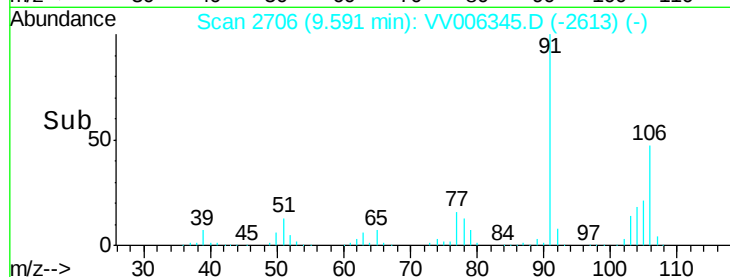
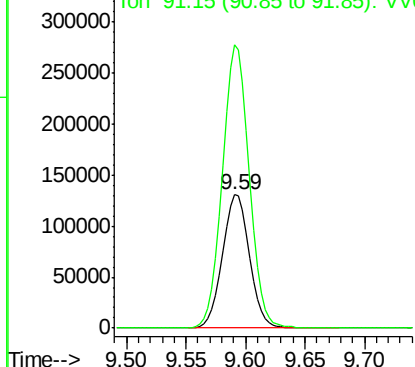
#54
o-xylene
Concen: 5.067 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:106 Resp: 206093
Ion Ratio Lower Upper
106 100
91 212.0 147.9 274.7

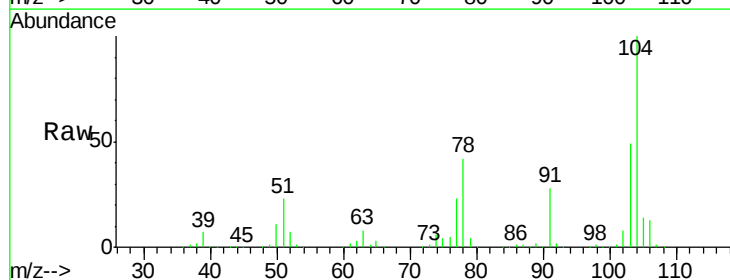


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

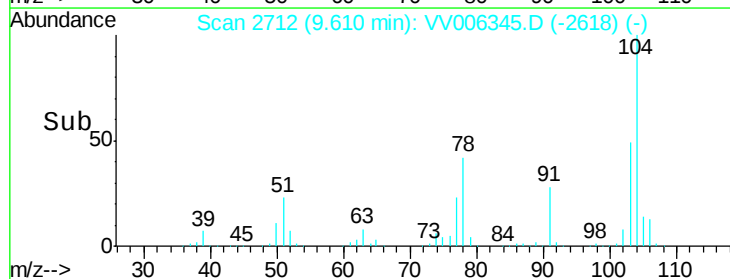
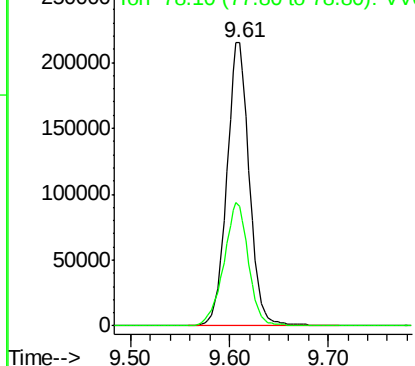


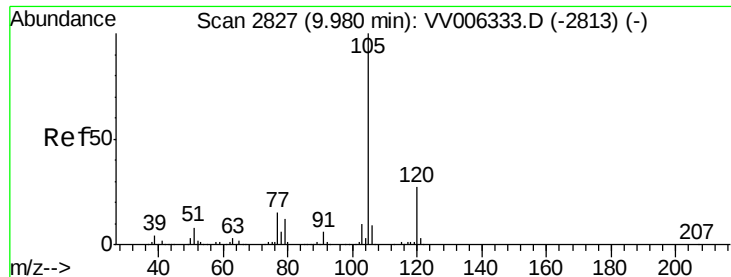
#55
Styrene
Concen: 5.143 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006345.D
Acq: 18 Jun 2018 18:42

Tgt Ion:104 Resp: 344092
Ion Ratio Lower Upper
104 100
78 42.4 30.6 56.8



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





#56

Isopropylbenzene

Concen: 5.091 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

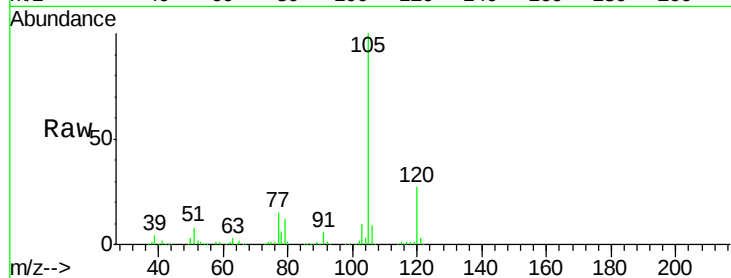
Tgt Ion: 105 Resp: 545293

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

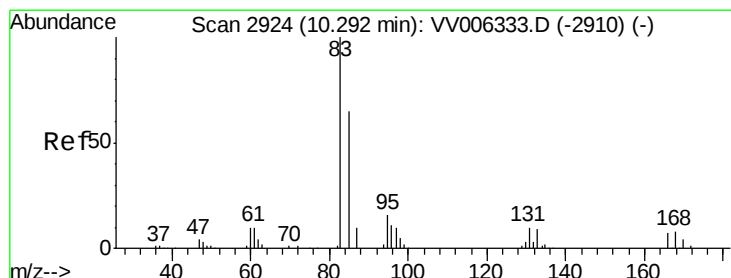
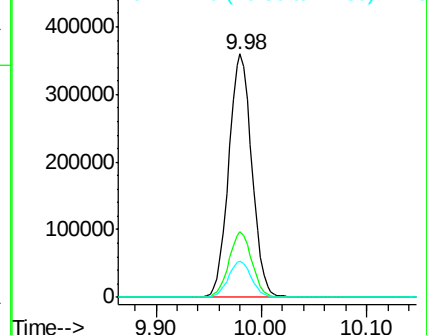
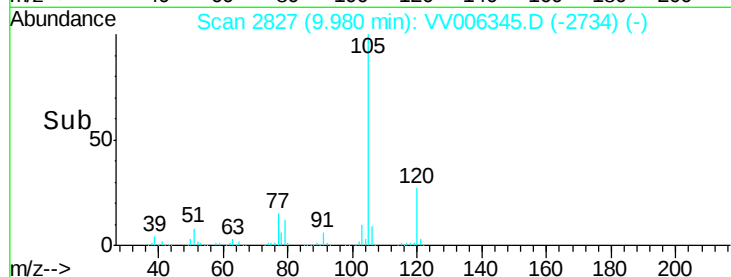
77 14.9 11.9 17.9



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: 4.414 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

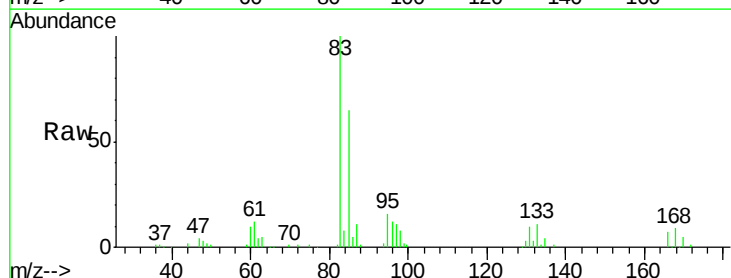
Tgt Ion: 83 Resp: 74317

Ion Ratio Lower Upper

83 100

85 65.2 45.0 83.6

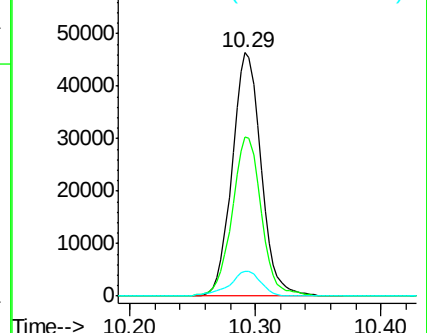
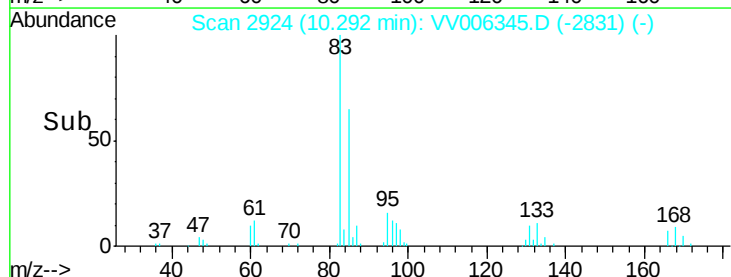
131 10.3 8.3 12.5

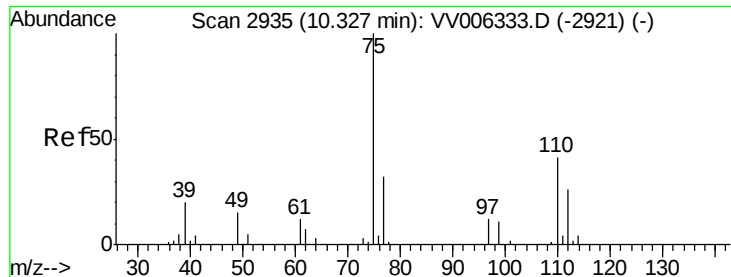


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

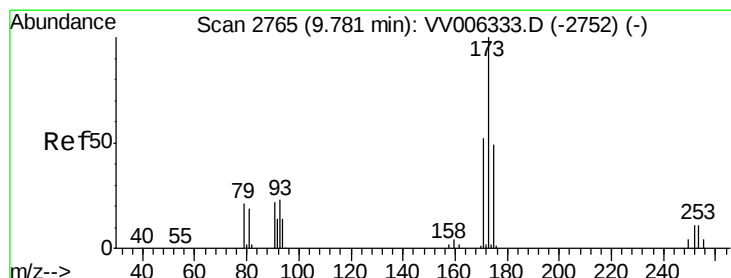
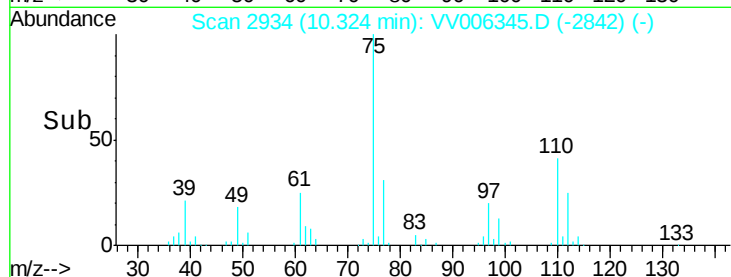
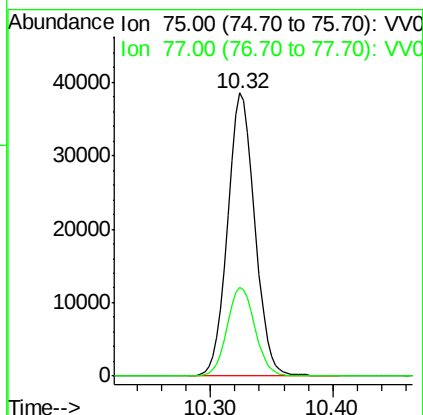
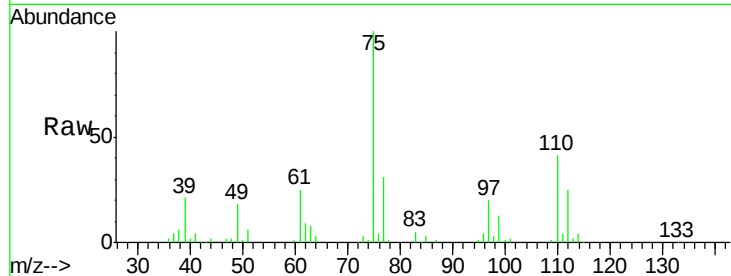




#59
 1,2,3-Trichloropropane
 Concen: 5.150 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

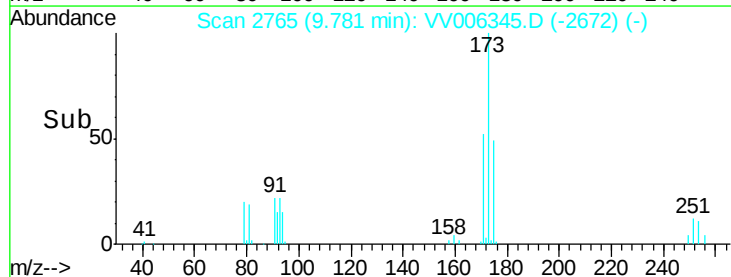
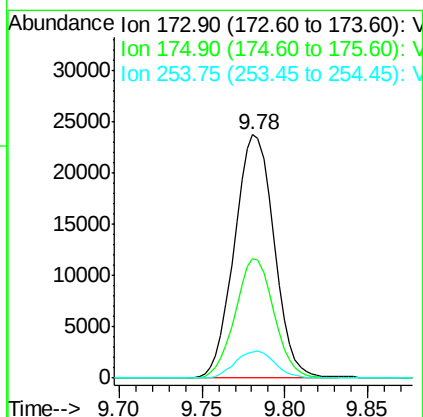
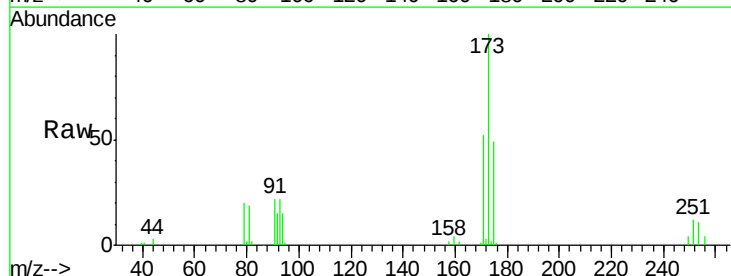
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

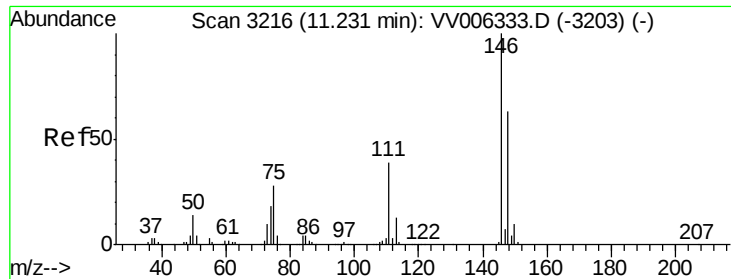
Tgt Ion: 75 Resp: 60261
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#61
 Bromoform
 Concen: 3.767 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 173 Resp: 39625
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.3 58.9
 254 11.1 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.126 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

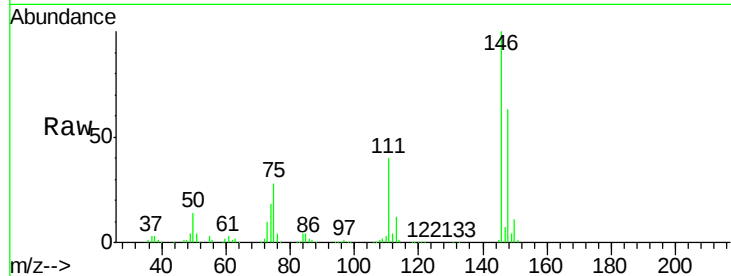
Tgt Ion:146 Resp: 250380

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.2

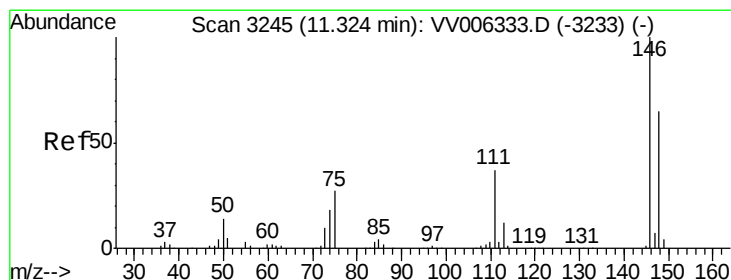
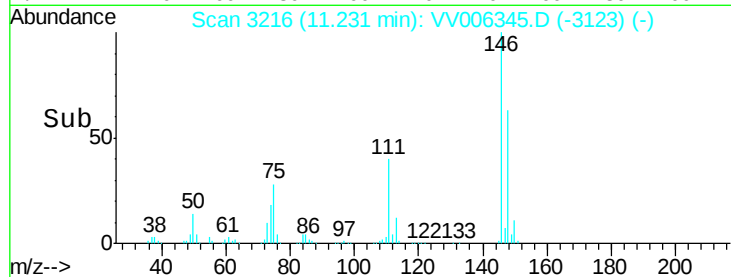
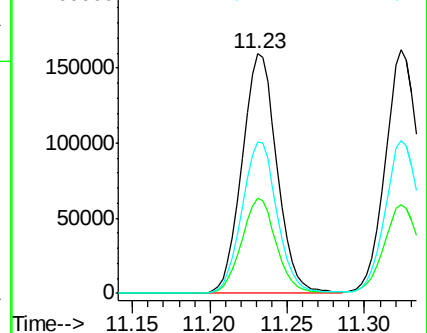
148 63.3 45.1 83.7



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: 5.209 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

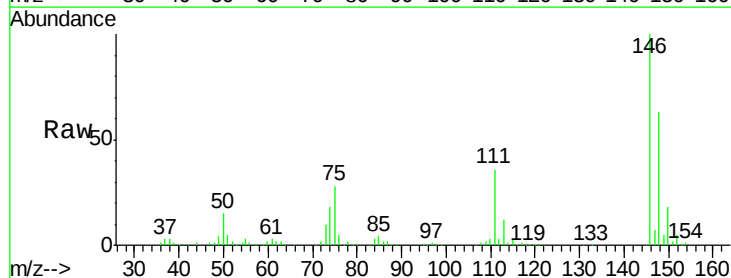
Tgt Ion:146 Resp: 251658

Ion Ratio Lower Upper

146 100

111 36.4 26.9 50.1

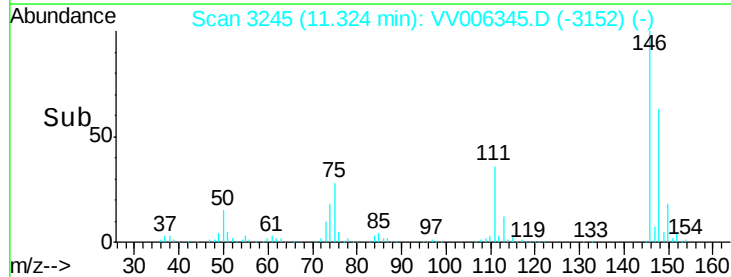
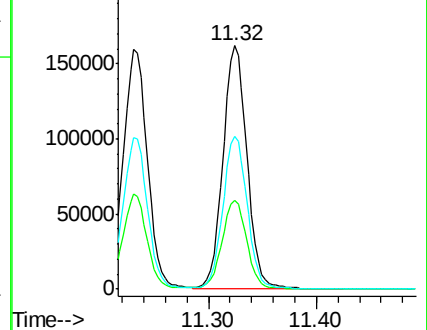
148 62.8 44.8 83.2

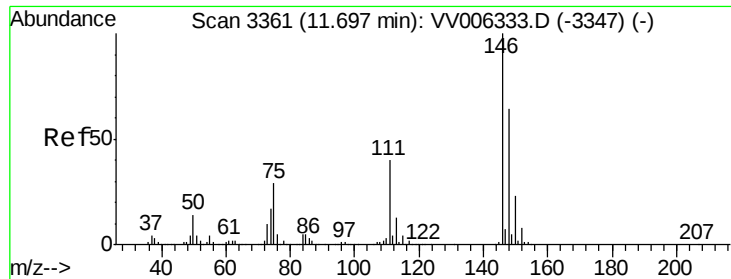


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

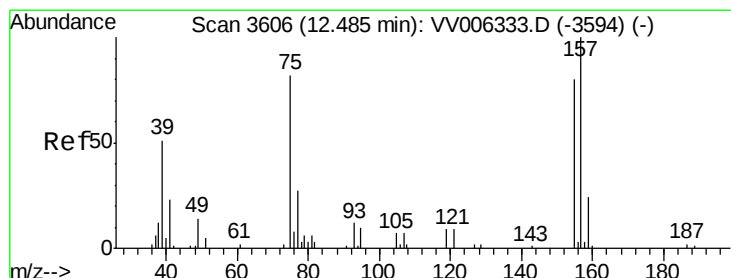
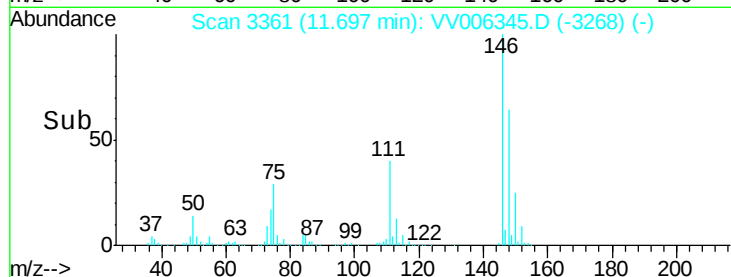
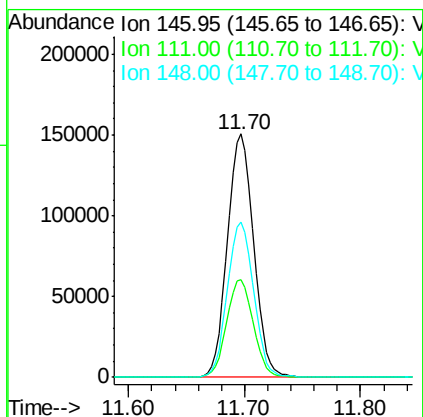
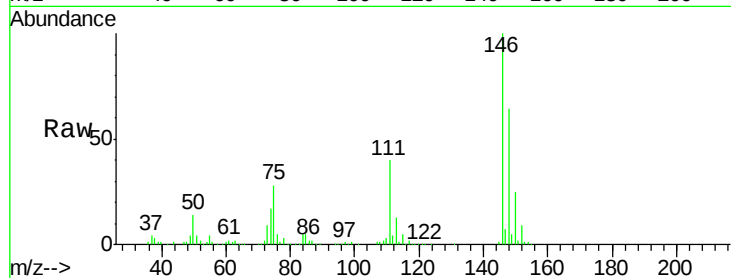




#65
 1,2-Dichlorobenzene
 Concen: 5.213 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

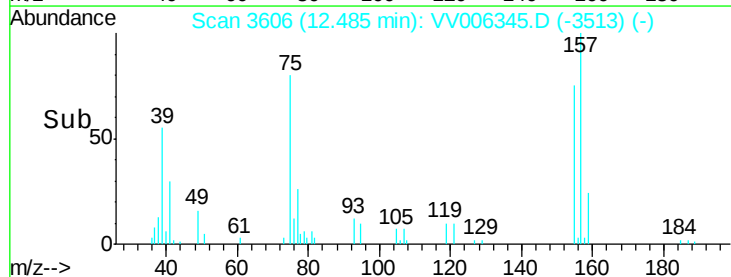
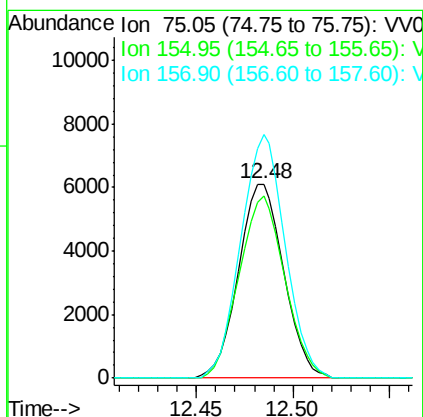
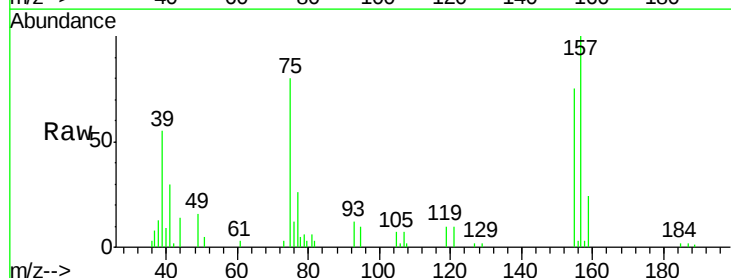
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

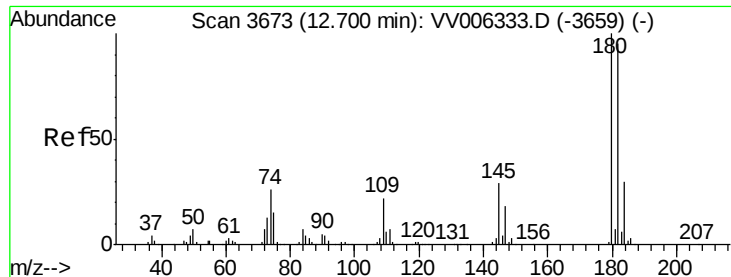
Tgt Ion: 146 Resp: 234903
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.8 49.2
 148 63.7 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.357 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion: 75 Resp: 9943
 Ion Ratio Lower Upper
 75 100
 155 93.7 70.3 105.5
 157 125.4 93.8 140.6

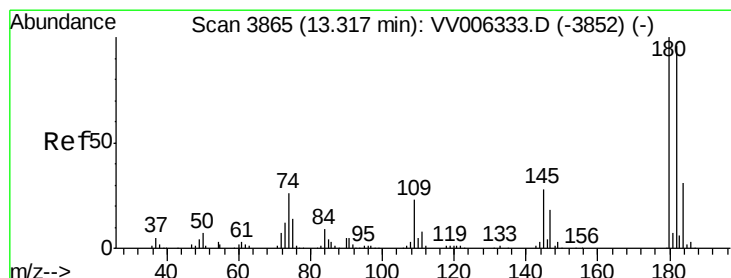
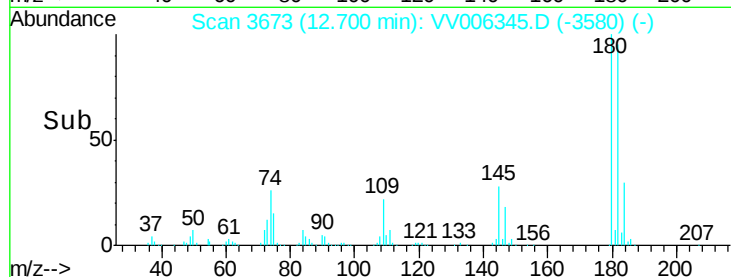
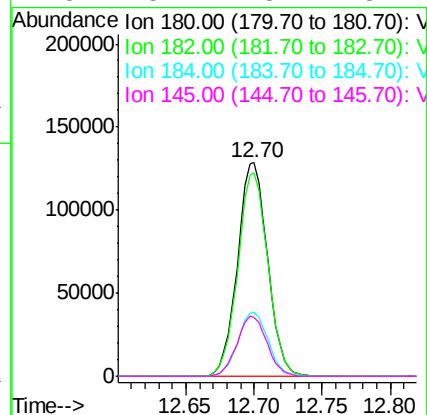
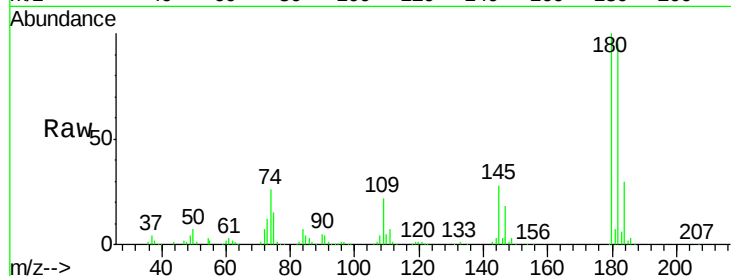




#67
 1,3,5-Trichlorobenzene
 Concen: 5.209 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

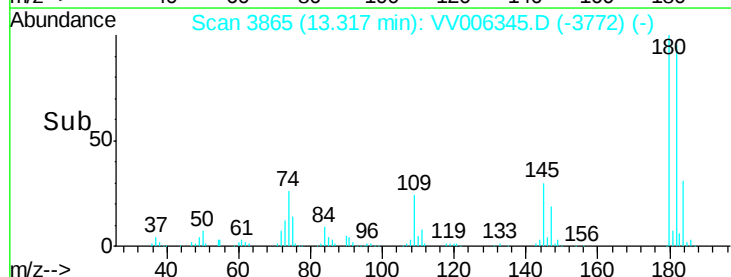
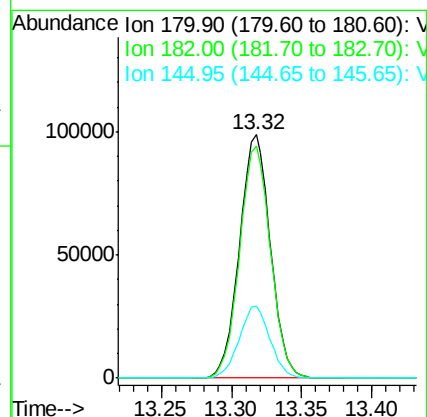
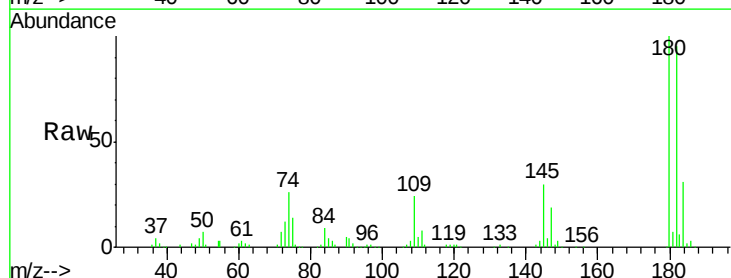
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

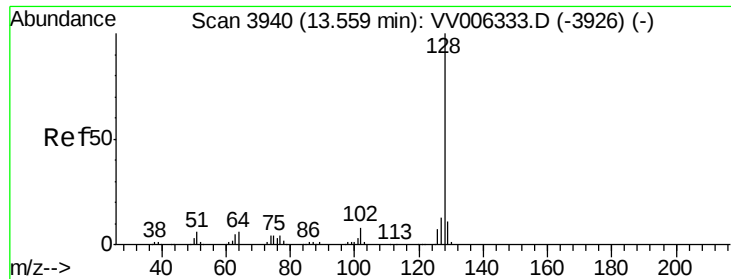
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.4	113.2
184	30.2	24.3	36.5
145	28.2	23.1	34.7



#68
 1,2,4-trichlorobenzene
 Concen: 5.214 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006345.D
 Acq: 18 Jun 2018 18:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
145	29.4	23.7	35.5





#69

Naphthalene

Concen: 4.786 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

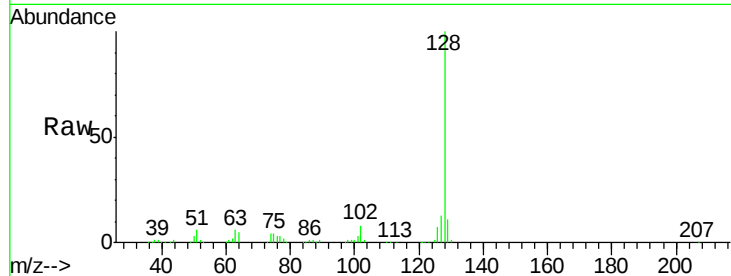
Tgt Ion:128 Resp: 234057

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

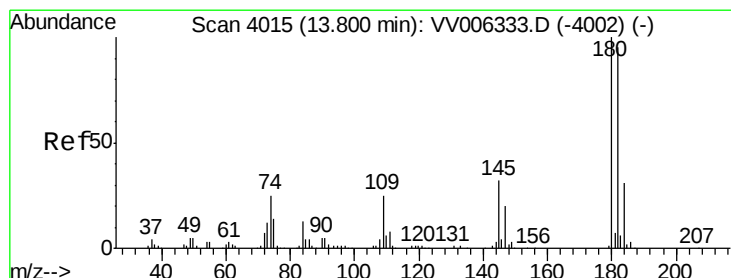
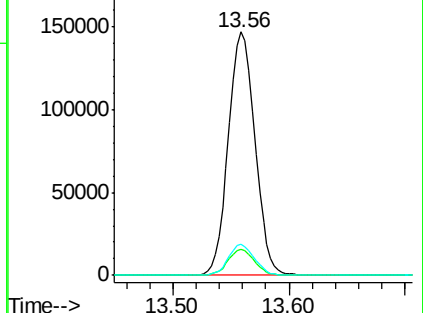
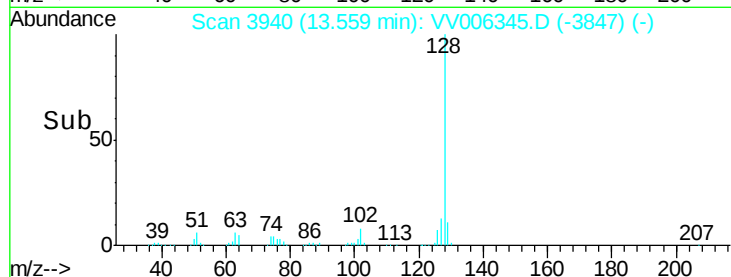
127 12.5 10.1 15.1



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: 5.301 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006345.D

Acq: 18 Jun 2018 18:42

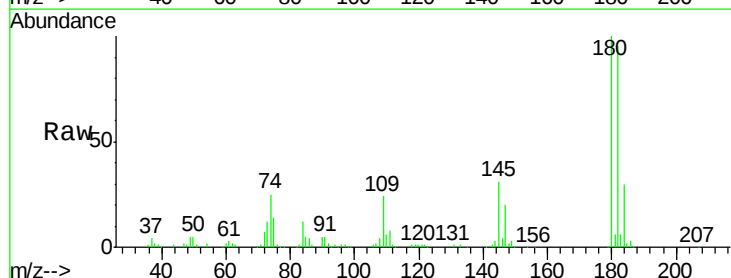
Tgt Ion:180 Resp: 141568

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 30.8 25.0 37.4



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

