

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071818\
 Data File : VV006628.D
 Acq On : 18 Jul 2018 11:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Jul 19 02:35:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 15:32:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	268446	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	247420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123550	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117825	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.58	69	86266	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	205973	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	3.95	46	185329	51.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.14%
24) Chloroform-d	4.40	84	199243	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.09	65	97427	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	414983	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	130687	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	379075	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.67	79	46229	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.14	63	248378	50.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.38%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	102336	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	139694	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	103676	3.802 ug/L	# 79
3) Chloromethane	1.26	50	179706	5.935 ug/L	99
5) Vinyl chloride	1.32	62	158004	4.898 ug/L	99
6) Bromomethane	1.52	94	59475	4.638 ug/L	97
8) Chloroethane	1.59	64	91814	5.068 ug/L	100
9) Trichlorofluoromethane	1.77	101	181236	5.132 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	113078	5.358 ug/L	99
12) 1,1-Dichloroethene	2.14	96	107598	5.004 ug/L	97
13) Acetone	2.19	43	166603	46.444 ug/L	100
14) Carbon disulfide	2.32	76	345243	5.212 ug/L	99
15) Methyl Acetate	2.46	43	49295	4.449 ug/L	99
16) Methylene chloride	2.54	84	127467	4.741 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	266011	4.797 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	118731	5.023 ug/L	99
19) 1,1-Dichloroethane	3.23	63	212459	4.829 ug/L	99
21) 2-Butanone	4.03	43	292674	46.580 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	125129	5.046 ug/L	99

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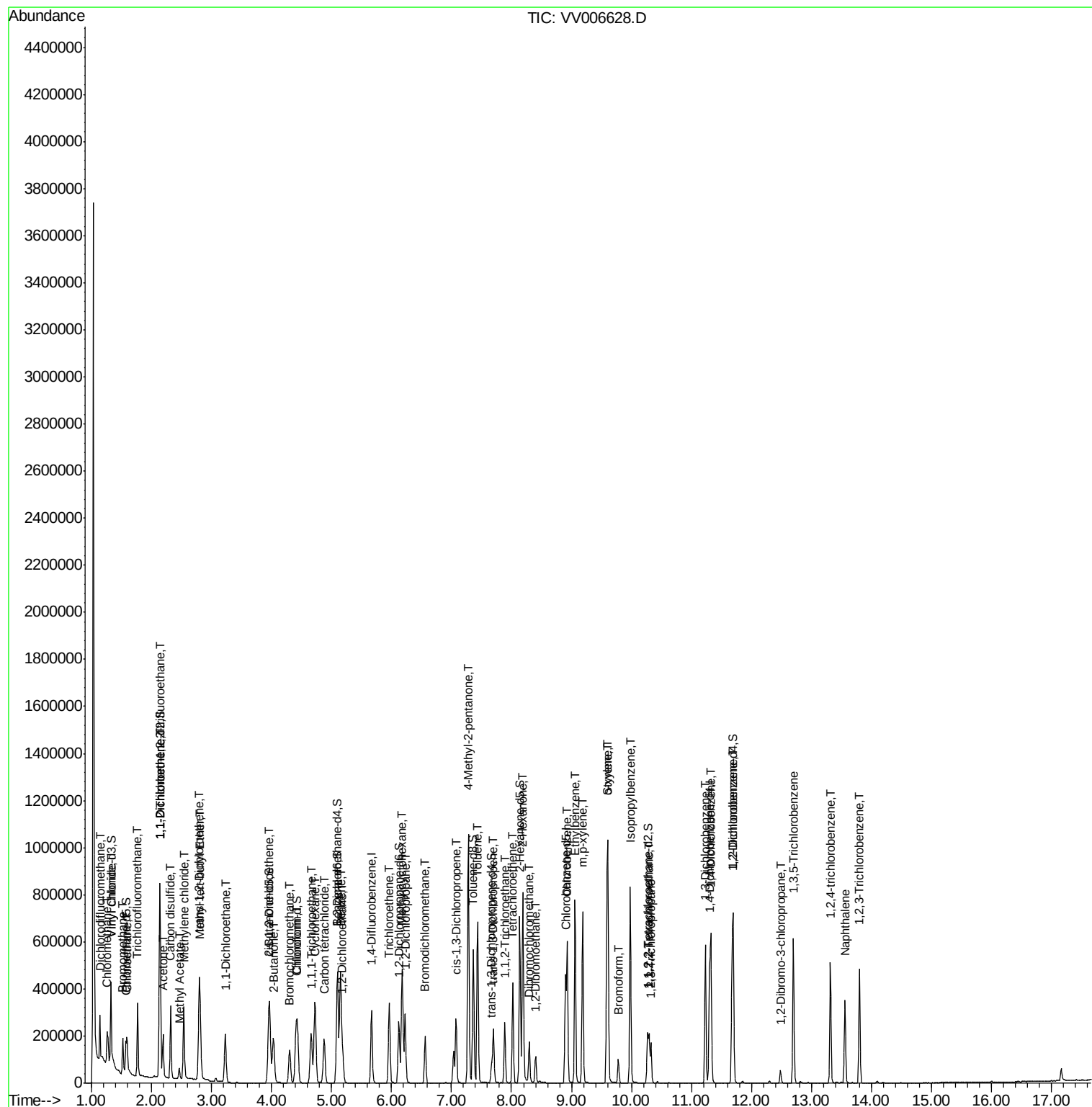
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49260	4.876	ug/L	98
25) Chloroform	4.43	83	204985	4.988	ug/L	99
27) 1,2-Dichloroethane	5.19	62	118721	4.873	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	167644	5.163	ug/L	100
30) Cyclohexane	4.73	56	190018	5.485	ug/L	100
31) Carbon tetrachloride	4.88	117	142579	5.297	ug/L	100
33) Benzene	5.15	78	478138	5.110	ug/L	100
34) Trichloroethene	5.96	95	119544	5.208	ug/L	99
35) Methylcyclohexane	6.18	83	207354	5.714	ug/L	100
37) 1,2-Dichloropropane	6.23	63	120857	5.123	ug/L	100
38) Bromodichloromethane	6.56	83	133657	5.038	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	165104	5.289	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	664722	48.899	ug/L	99
42) Toluene	7.43	91	501664	5.261	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	129001	5.325	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	81419	4.917	ug/L	97
47) Tetrachloroethene	8.02	164	98123	5.354	ug/L	99
48) 2-Hexanone	8.19	43	471742	48.644	ug/L	100
49) Dibromochloromethane	8.30	129	86416	5.147	ug/L	100
50) 1,2-Dibromoethane	8.40	107	72049	4.889	ug/L	96
51) Chlorobenzene	8.93	112	320236	5.164	ug/L	99
52) Ethylbenzene	9.06	91	545042	5.408	ug/L	99
53) m,p-xylene	9.19	106	209410	5.408	ug/L	99
54) o-xylene	9.59	106	203707	5.404	ug/L	99
55) Styrene	9.61	104	348958	5.396	ug/L	99
56) Isopropylbenzene	9.98	105	538884	5.587	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	100370	4.898	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	70988	4.833	ug/L	99
61) Bromoform	9.78	173	44251	4.836	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	243146	5.129	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	246406	5.094	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	231088	4.945	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13561	4.618	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	193181	5.284	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	157795	5.198	ug/L	100
69) Naphthalene	13.56	128	276483	4.907	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	146465	5.073	ug/L	99

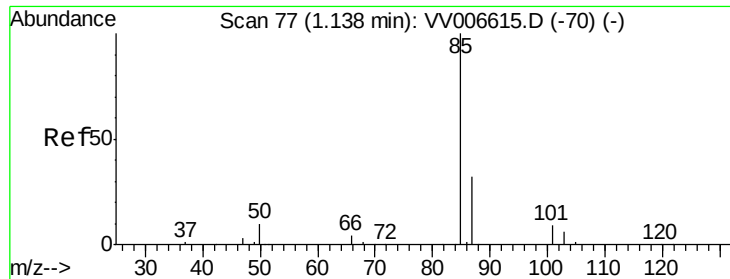
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

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#2

Dichlorodifluoromethane

Concen: 3.802 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

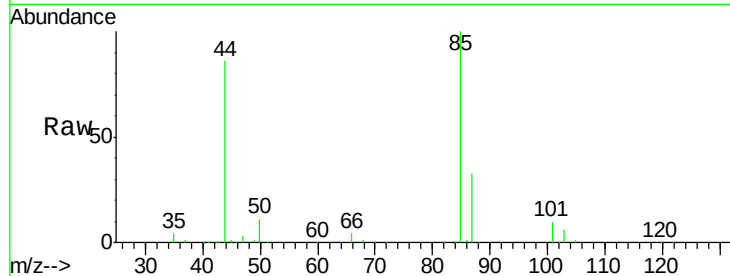
VSTD00562

Tgt Ion: 85 Resp: 103676

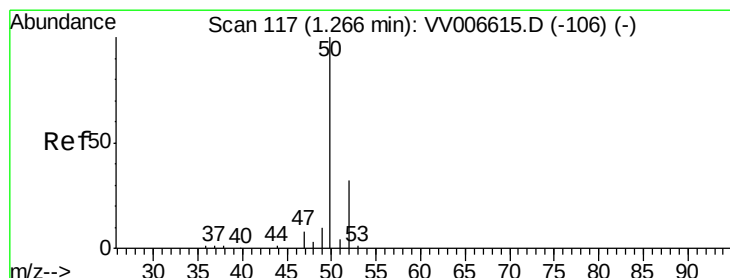
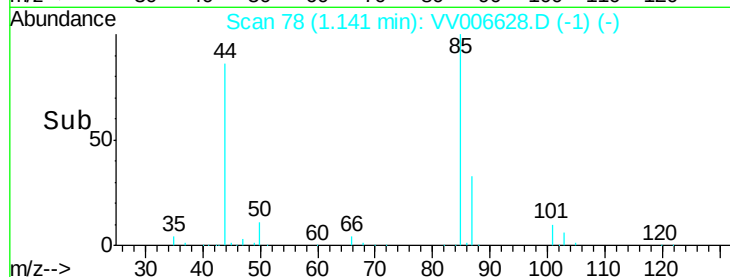
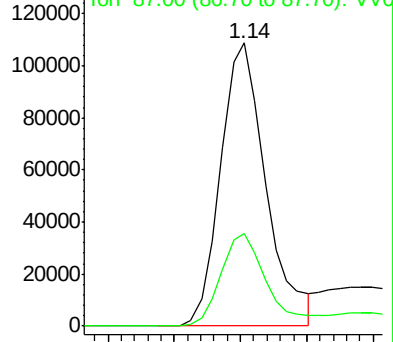
Ion Ratio Lower Upper

85 100

87 33.2 18.3 27.5#



Abundance Ion 85.00 (84.70 to 85.70): VV006615.D (-70) (-)



#3

Chloromethane

Concen: 5.935 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.01 min

Lab File: VV006628.D

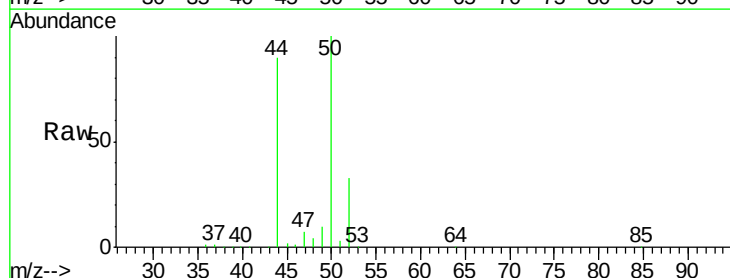
Acq: 18 Jul 2018 11:54

Tgt Ion: 50 Resp: 179706

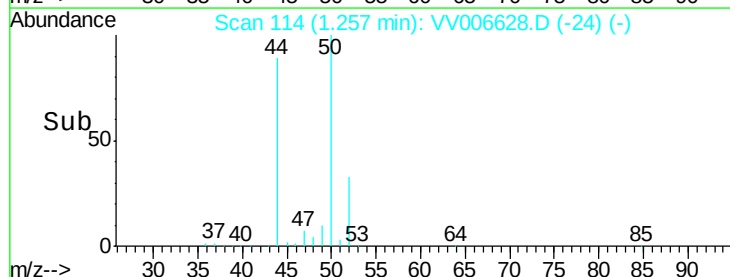
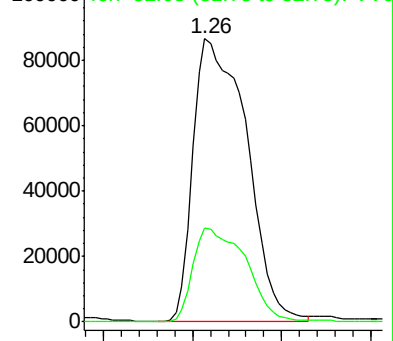
Ion Ratio Lower Upper

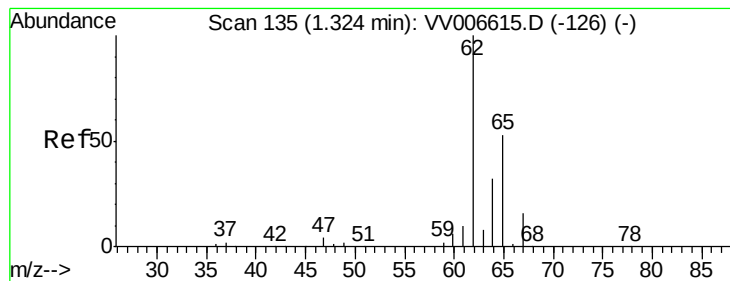
50 100

52 33.0 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV006615.D (-106) (-)





#5

Vinyl chloride

Concen: 4.898 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

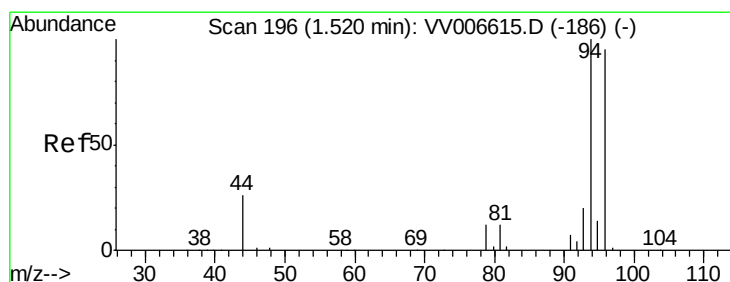
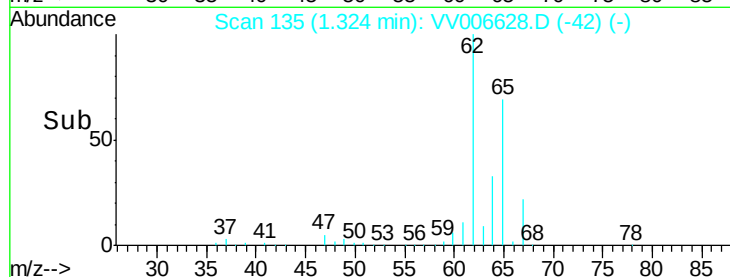
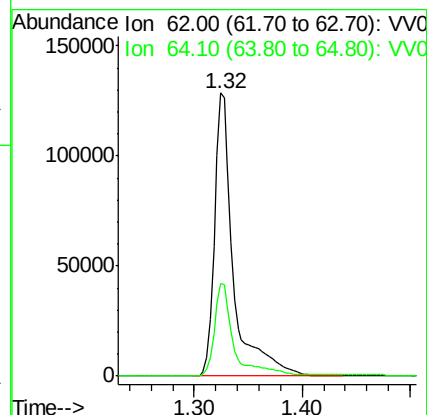
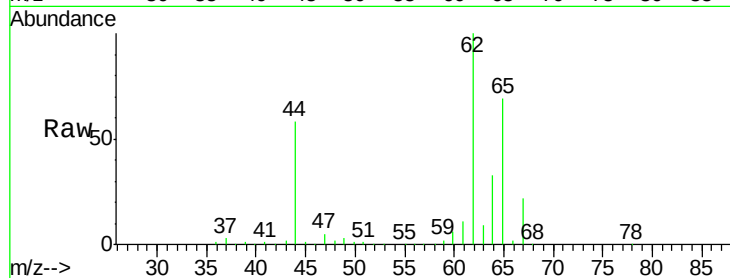
VSTD00562

Tgt Ion: 62 Resp: 158004

Ion Ratio Lower Upper

62 100

64 32.7 22.6 42.0



#6

Bromomethane

Concen: 4.638 ug/L

RT: 1.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VV006628.D

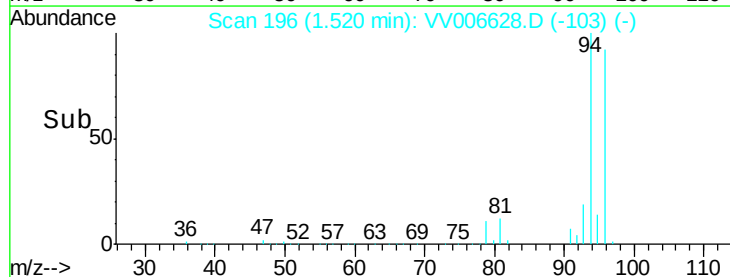
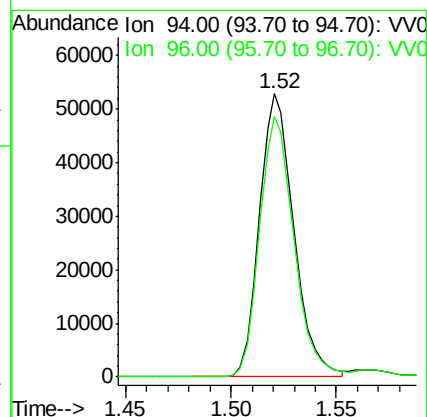
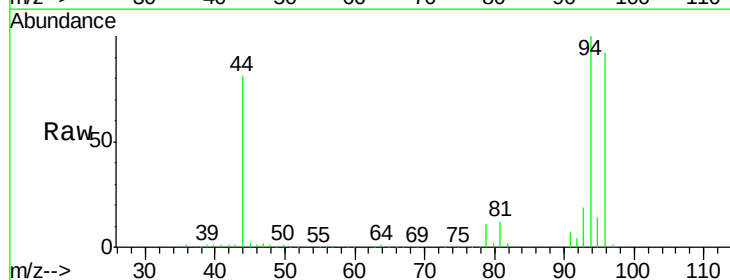
Acq: 18 Jul 2018 11:54

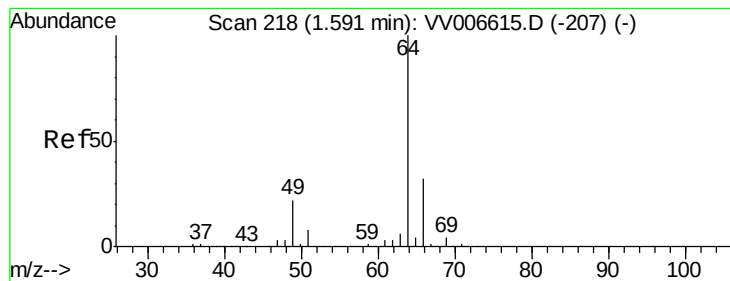
Tgt Ion: 94 Resp: 59475

Ion Ratio Lower Upper

94 100

96 91.9 66.2 123.0





#8

Chloroethane

Concen: 5.068 ug/L

RT: 1.59 min Scan# 219

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

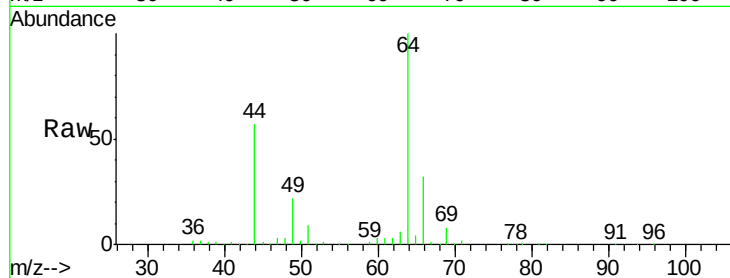
VSTD00562

Tgt Ion: 64 Resp: 91814

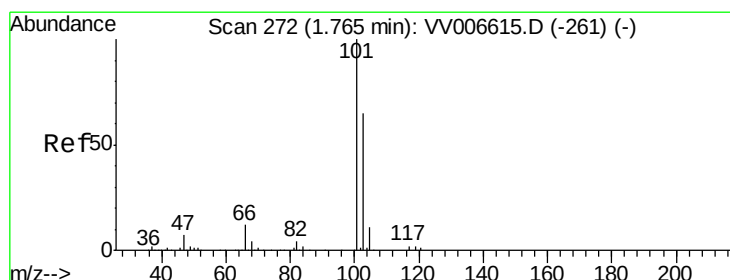
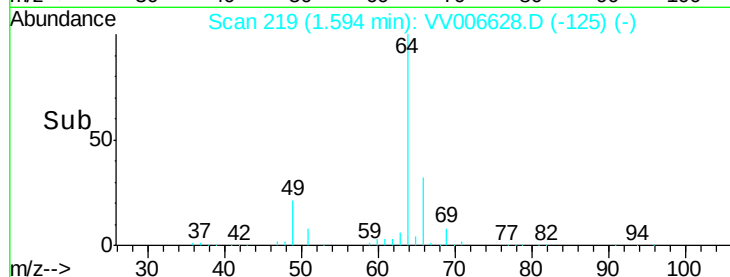
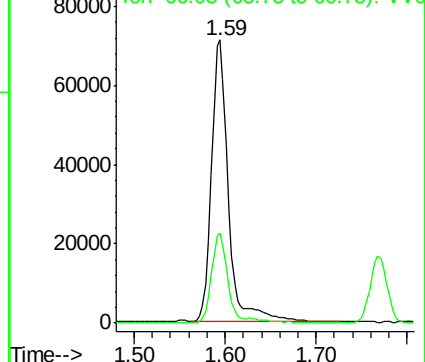
Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV006628.D (-125) (-)



#9

Trichlorofluoromethane

Concen: 5.132 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006628.D

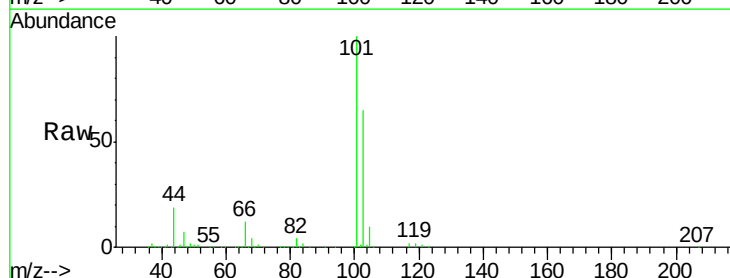
Acq: 18 Jul 2018 11:54

Tgt Ion: 101 Resp: 181236

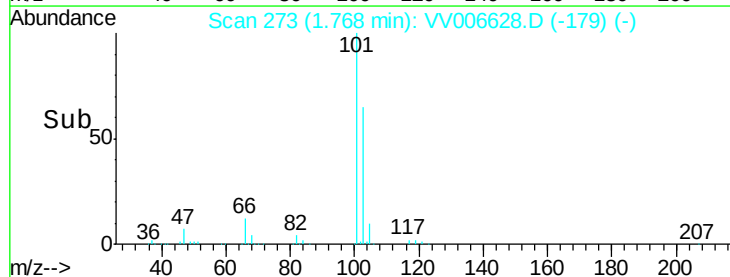
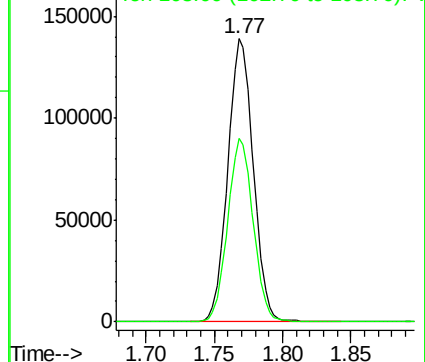
Ion Ratio Lower Upper

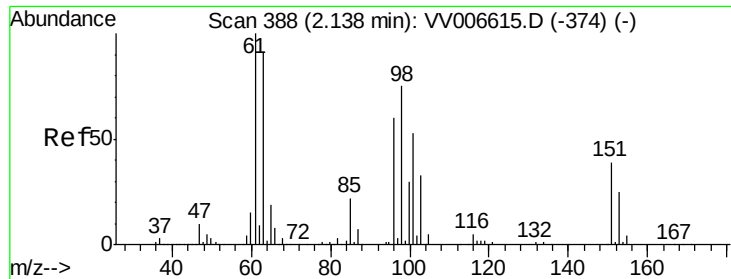
101 100

103 65.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006628.D (-179) (-)





#10

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

Concen: 5.358 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

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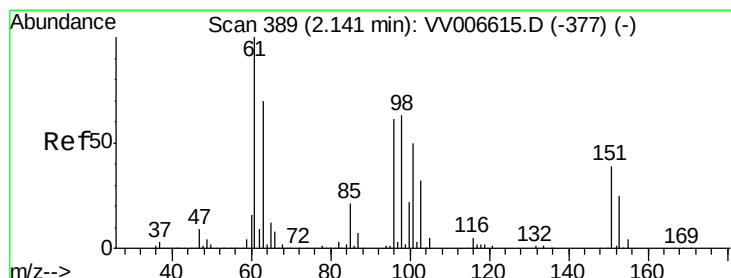
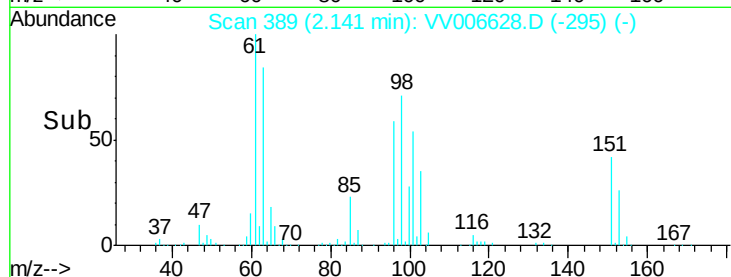
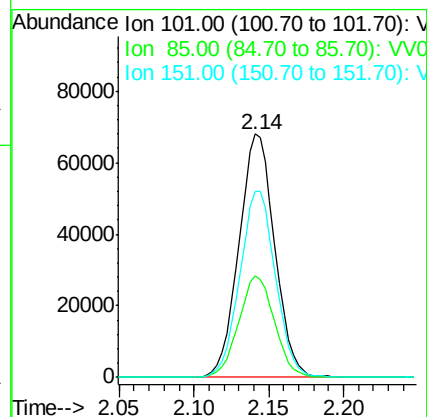
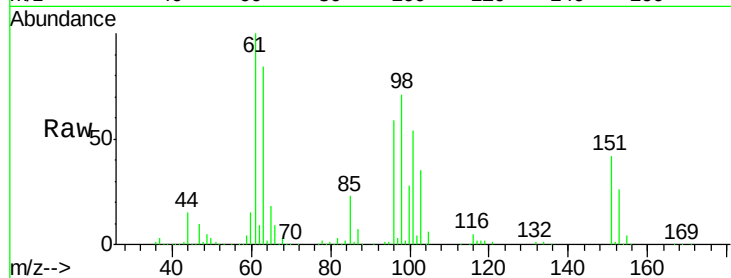
Tgt Ion: 101 Resp: 113078

Ion Ratio Lower Upper

101 100

85 41.7 33.9 50.9

151 76.5 60.5 90.7



#12

1,1-Dichloroethene

Concen: 5.004 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

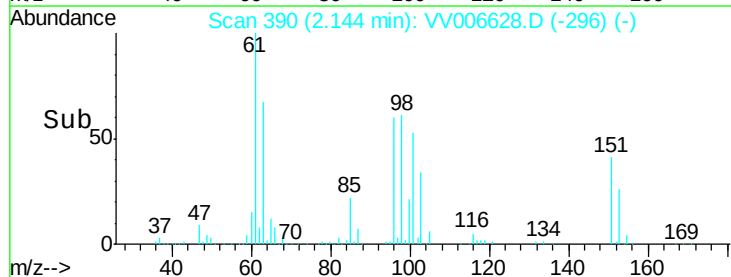
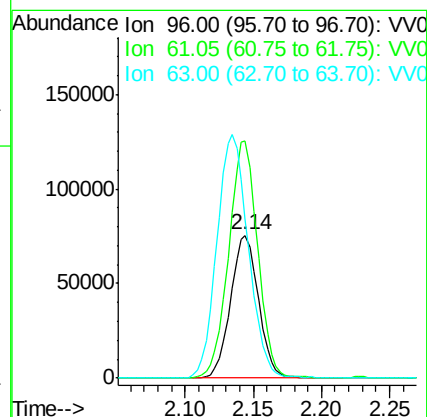
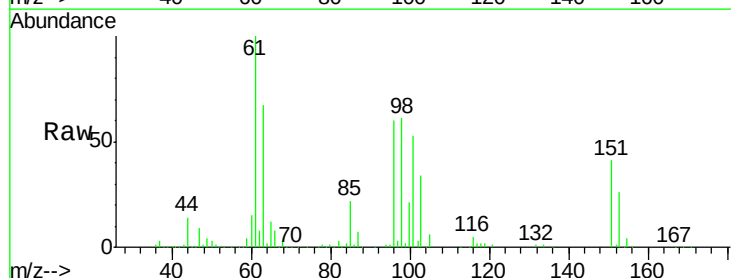
Tgt Ion: 96 Resp: 107598

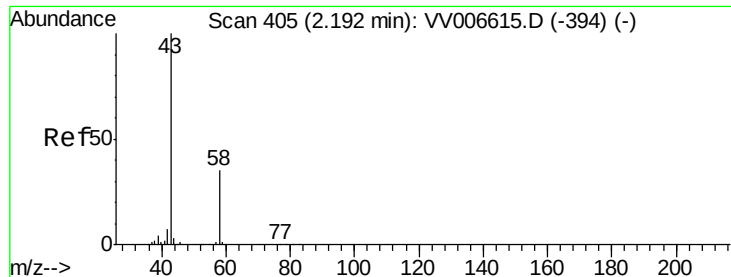
Ion Ratio Lower Upper

96 100

61 166.5 114.9 213.5

63 111.3 81.9 152.1





#13

Acetone

Concen: 46.444 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

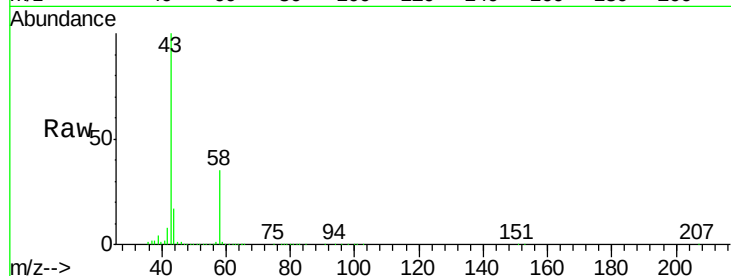
VSTD00562

Tgt Ion: 43 Resp: 166603

Ion Ratio Lower Upper

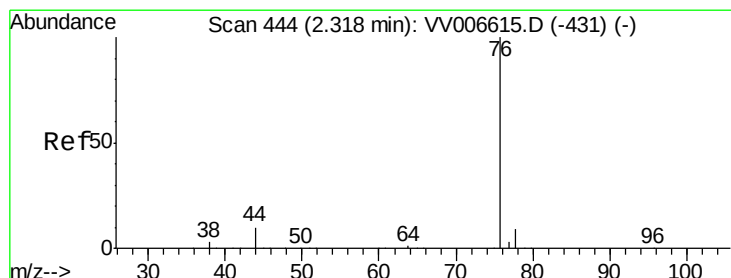
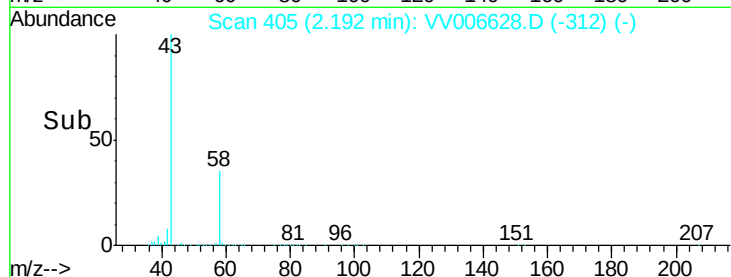
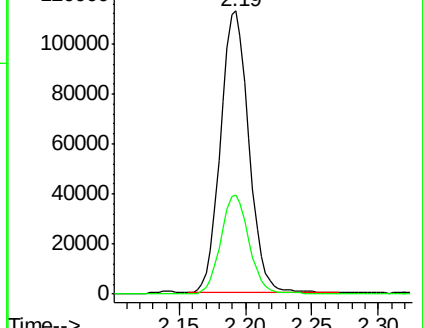
43 100

58 35.6 0.0 70.8



Abundance Ion 43.05 (42.75 to 43.75): VV006615.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VV006615.D (-394) (-)



#14

Carbon disulfide

Concen: 5.212 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006628.D

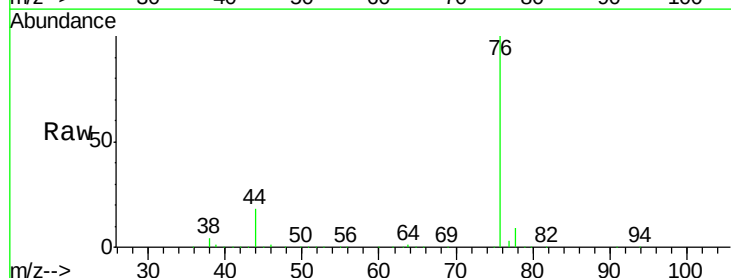
Acq: 18 Jul 2018 11:54

Tgt Ion: 76 Resp: 345243

Ion Ratio Lower Upper

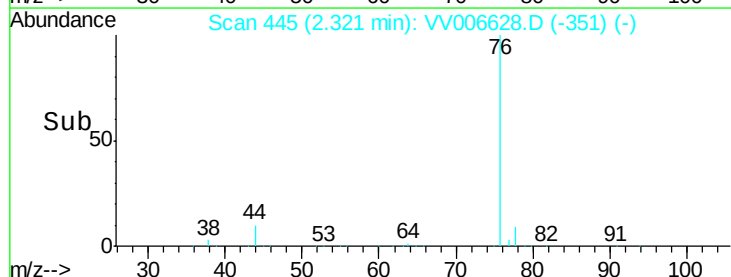
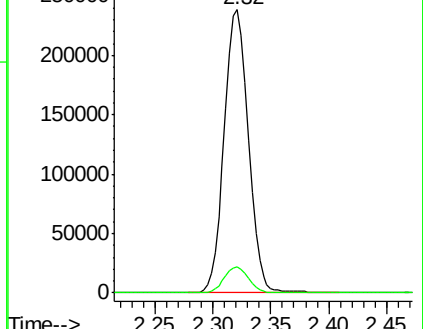
76 100

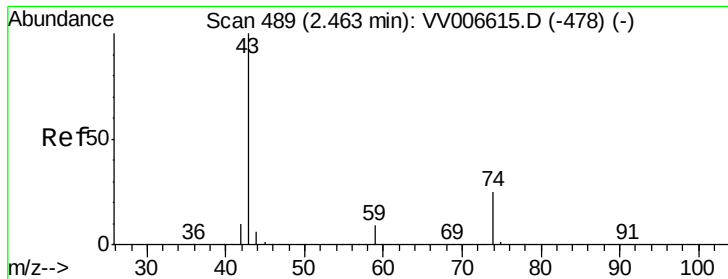
78 9.2 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV006615.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV006615.D (-431) (-)

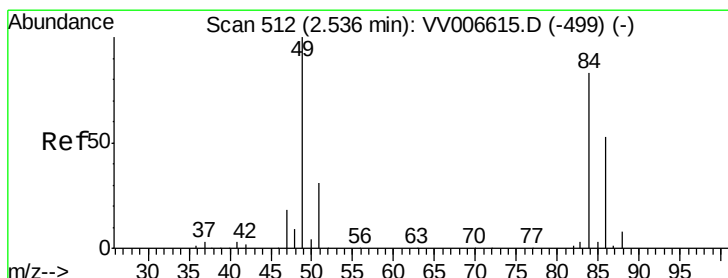
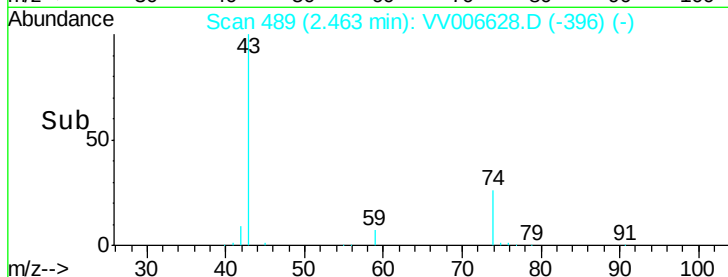
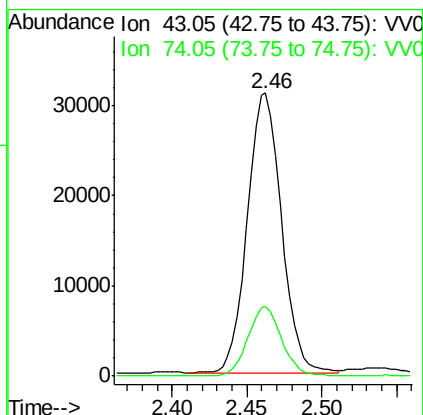
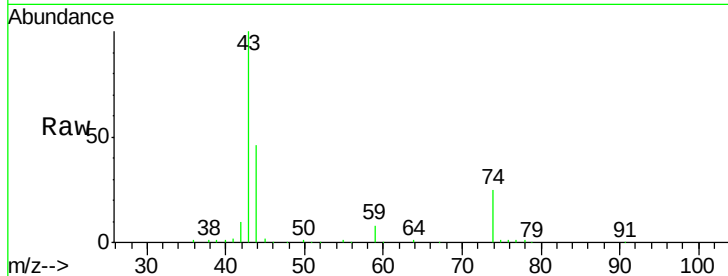




#15
Methyl Acetate
Concen: 4.449 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

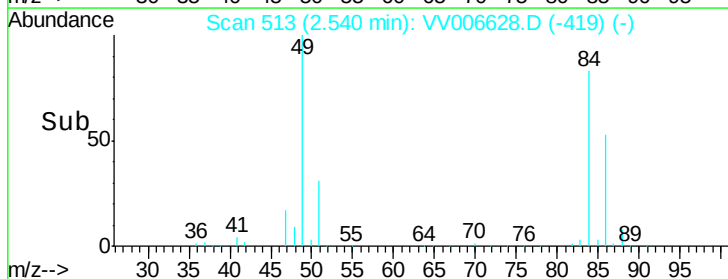
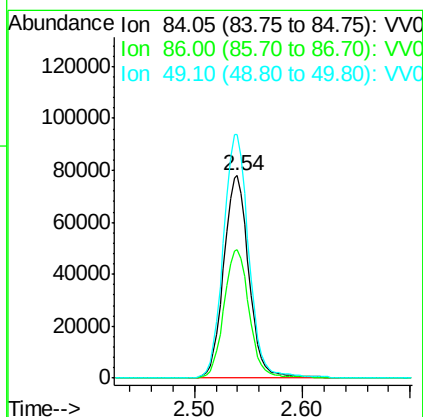
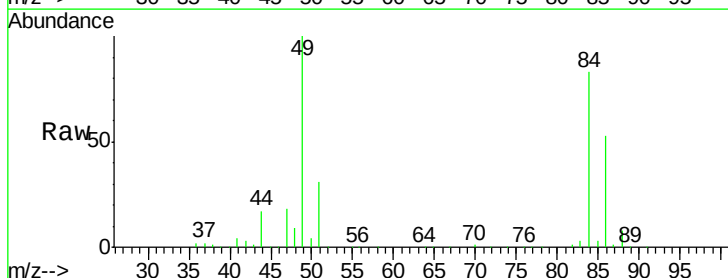
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

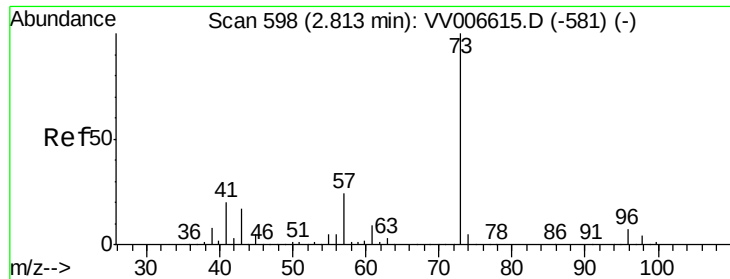
Tgt Ion: 43 Resp: 49295
Ion Ratio Lower Upper
43 100
74 24.6 20.2 30.4



#16
Methylene chloride
Concen: 4.741 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Tgt Ion: 84 Resp: 127467
Ion Ratio Lower Upper
84 100
86 63.6 45.2 84.0
49 120.1 84.5 156.9

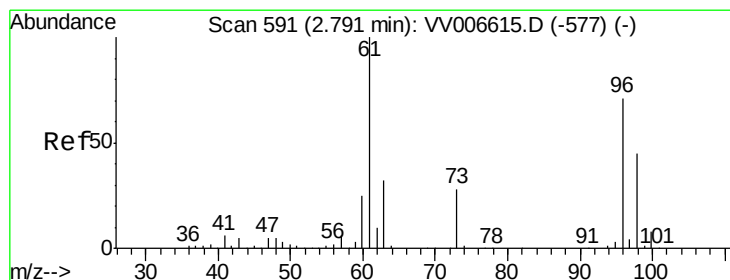
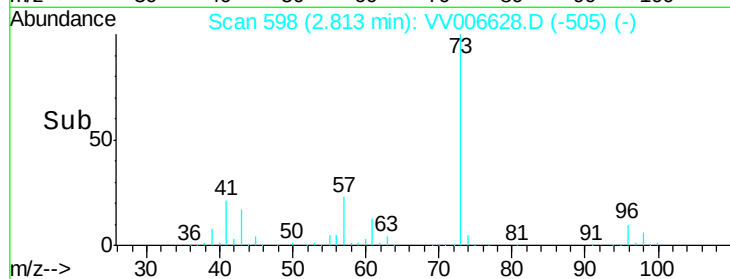
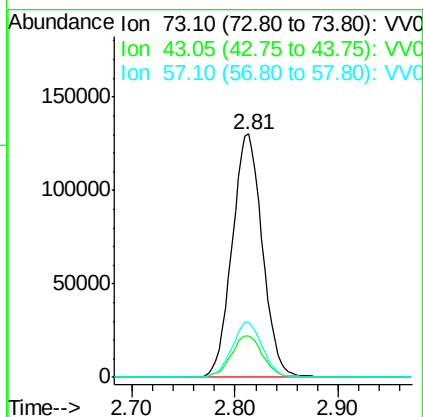
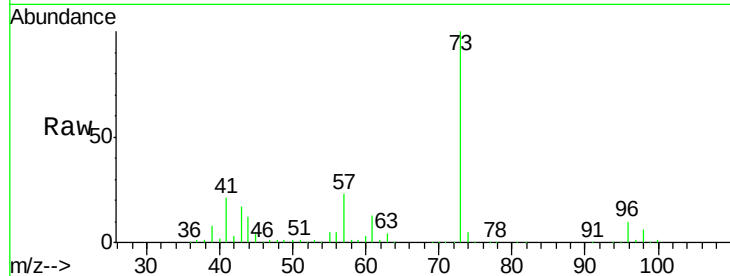




#17
Methyl tert-butyl Ether
Concen: 4.797 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

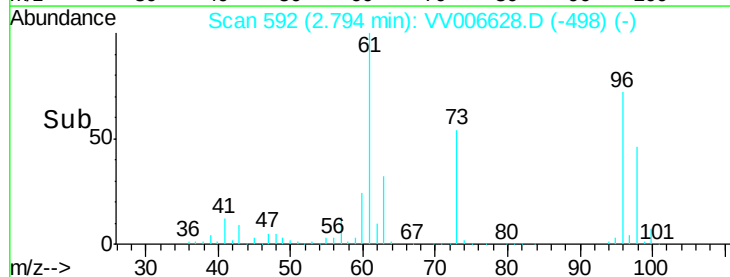
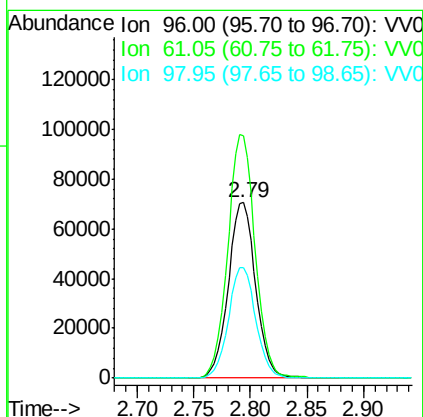
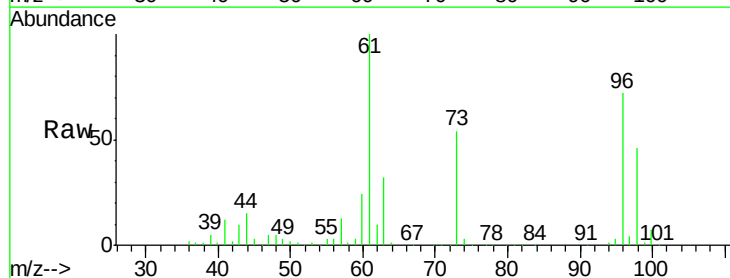
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

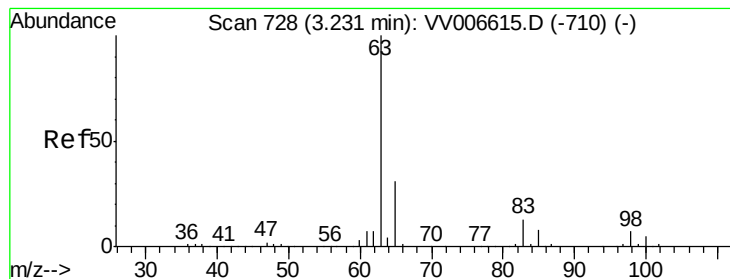
Tgt Ion: 73 Resp: 266011
Ion Ratio Lower Upper
73 100
43 17.2 13.7 20.5
57 22.9 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 5.023 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Tgt Ion: 96 Resp: 118731
Ion Ratio Lower Upper
96 100
61 138.2 98.1 182.1
98 63.2 44.4 82.4





#19

1,1-Dichloroethane

Concen: 4.829 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

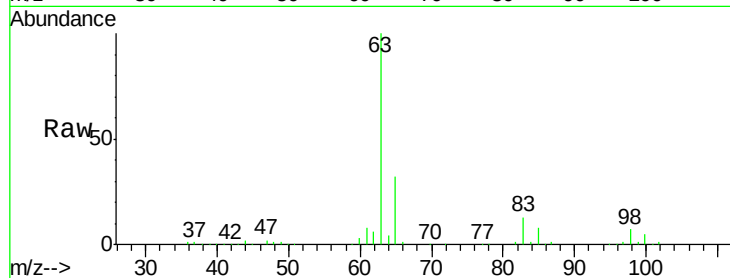
Tgt Ion: 63 Resp: 212459

Ion Ratio Lower Upper

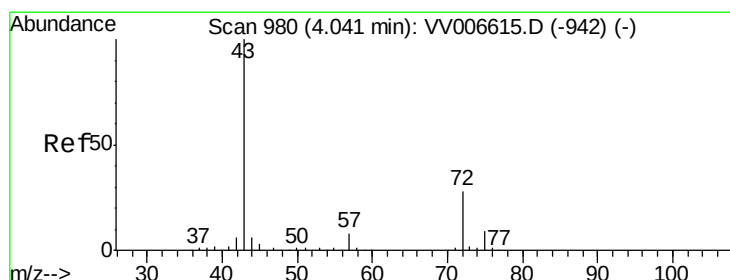
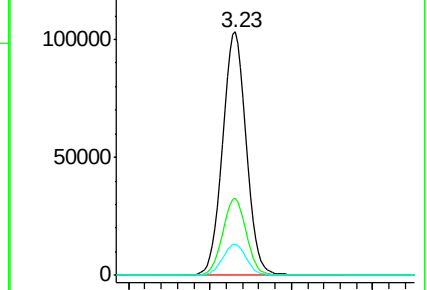
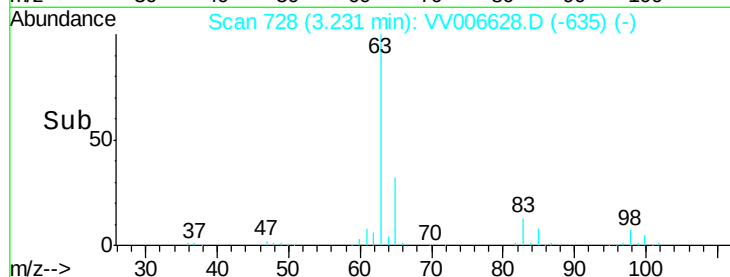
63 100

65 31.5 21.7 40.3

83 12.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV006628.D (-635) (-)



#21

2-Butanone

Concen: 46.580 ug/L

RT: 4.03 min Scan# 977

Delta R.T. -0.01 min

Lab File: VV006628.D

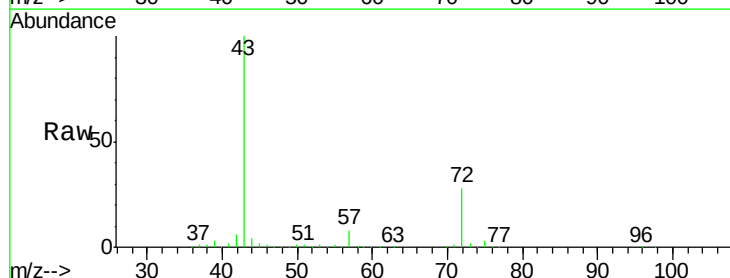
Acq: 18 Jul 2018 11:54

Tgt Ion: 43 Resp: 292674

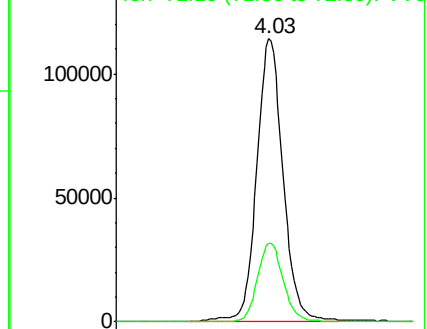
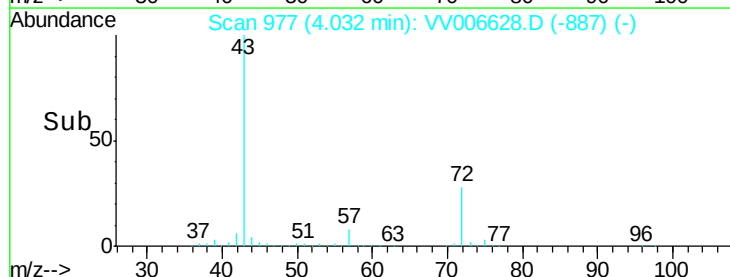
Ion Ratio Lower Upper

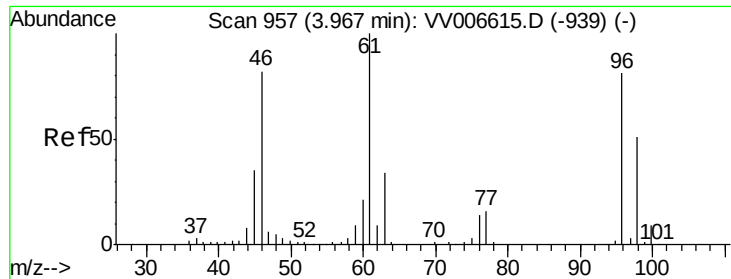
43 100

72 26.4 13.4 40.1



Abundance Ion 43.05 (42.75 to 43.75): VV006628.D (-887) (-)



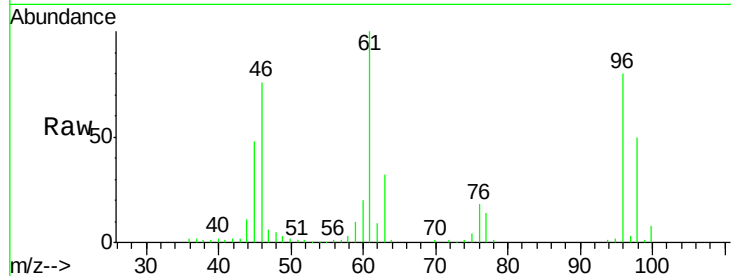


#22

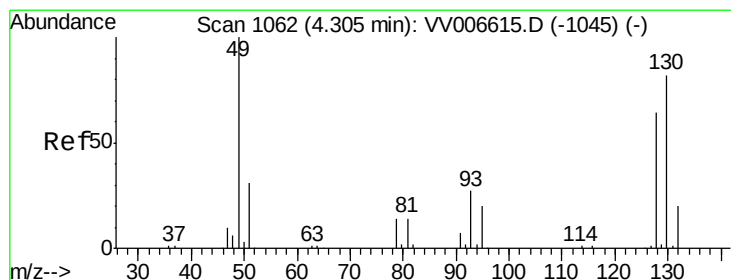
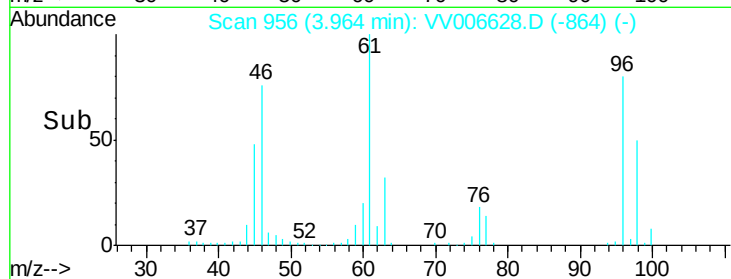
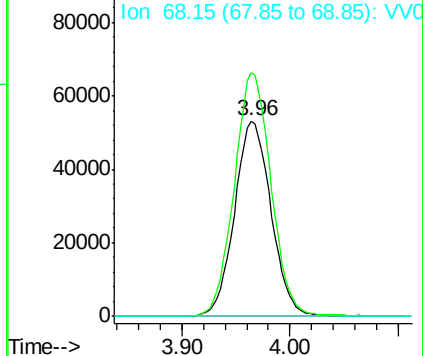
cis-1,2-Dichloroethene
 Concen: 5.046 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion: 96 Resp: 125129
 Ion Ratio Lower Upper
 96 100
 61 124.7 86.2 160.2
 68 0.0 0.0 0.0



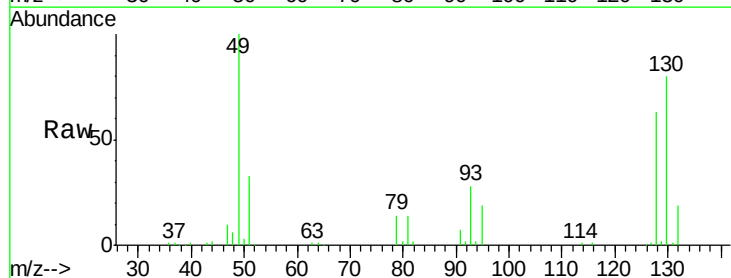
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



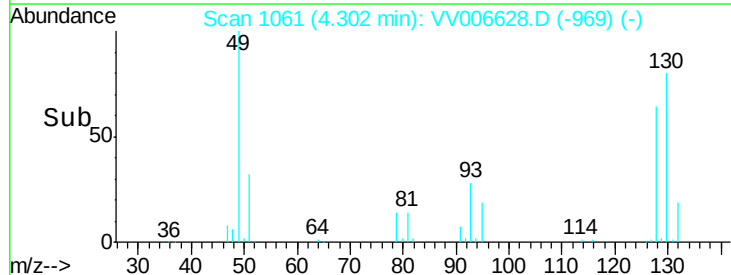
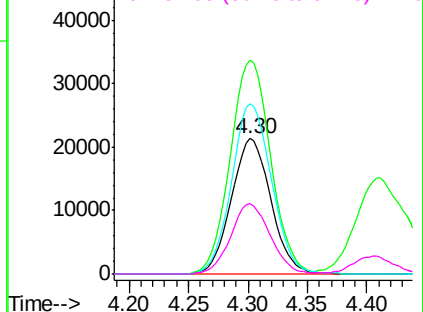
#23

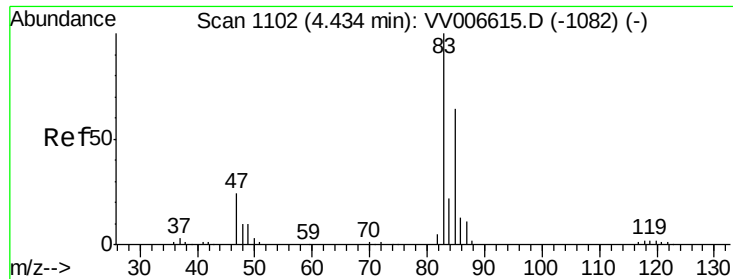
Bromochloromethane
 Concen: 4.876 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion: 128 Resp: 49260
 Ion Ratio Lower Upper
 128 100
 49 157.6 108.6 201.6
 130 126.0 89.4 166.0
 51 51.5 38.2 57.4



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

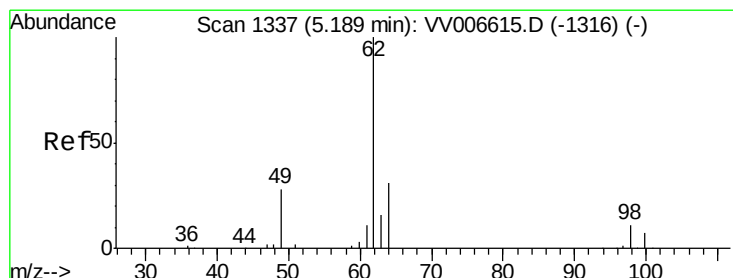
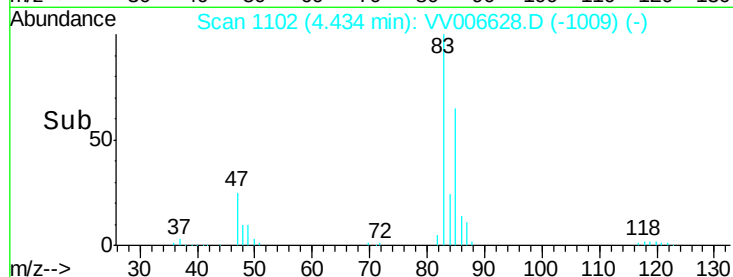
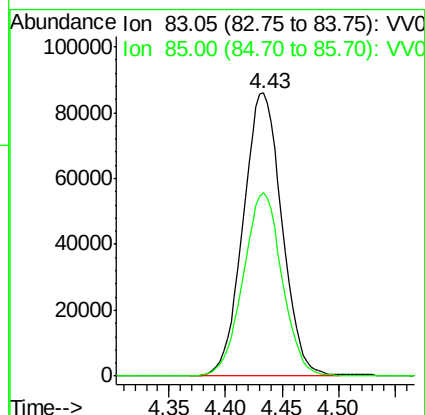
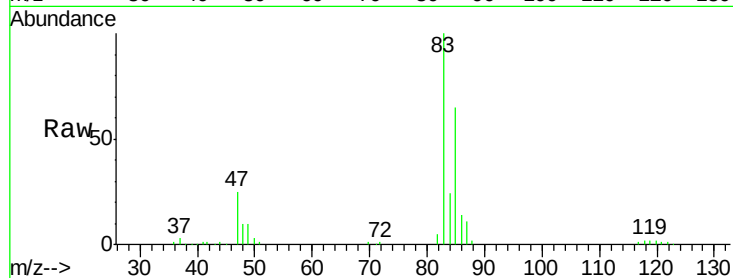




#25
Chloroform
Concen: 4.988 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

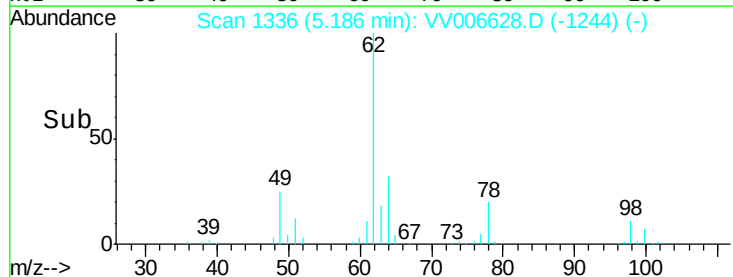
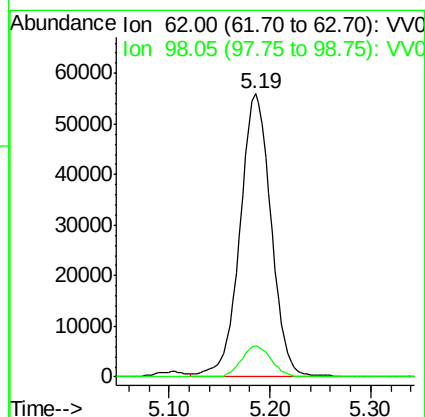
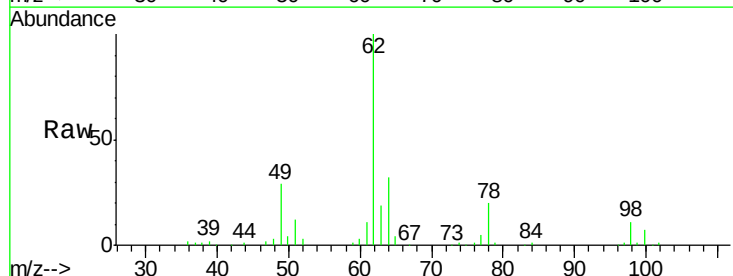
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

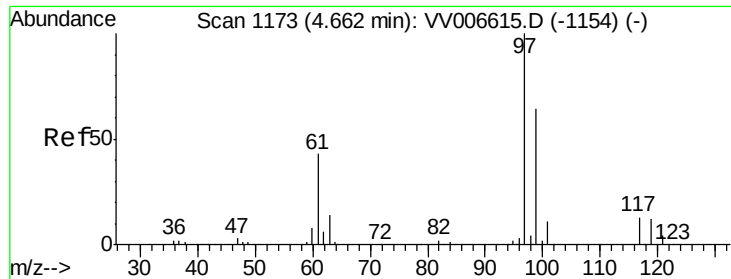
Tgt Ion: 83 Resp: 204985
Ion Ratio Lower Upper
83 100
85 64.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.873 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Tgt Ion: 62 Resp: 118721
Ion Ratio Lower Upper
62 100
98 11.0 8.4 12.6

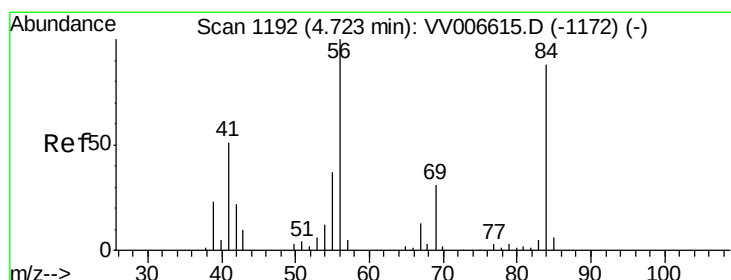
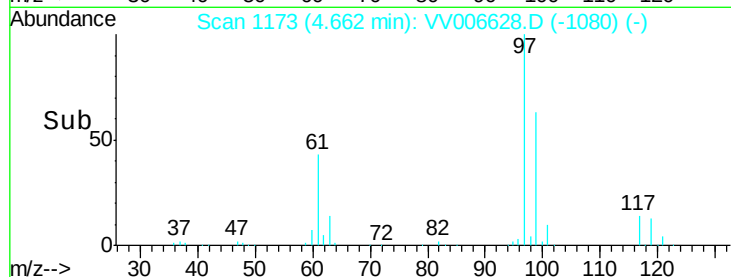
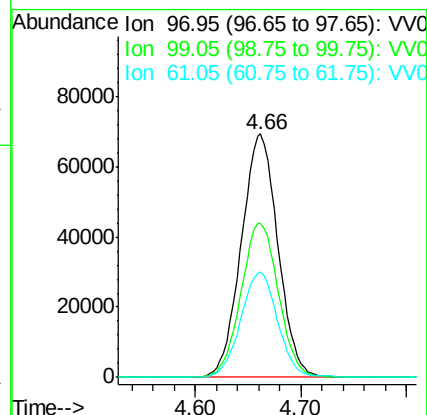
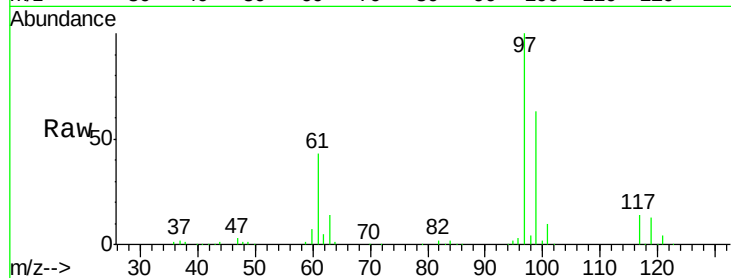




#29
 1,1,1-Trichloroethane
 Concen: 5.163 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

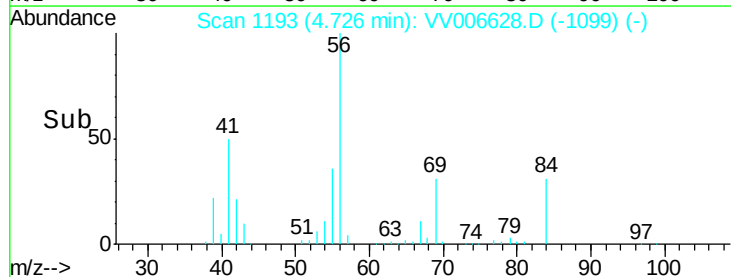
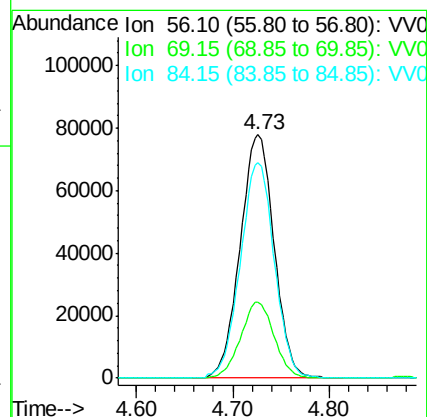
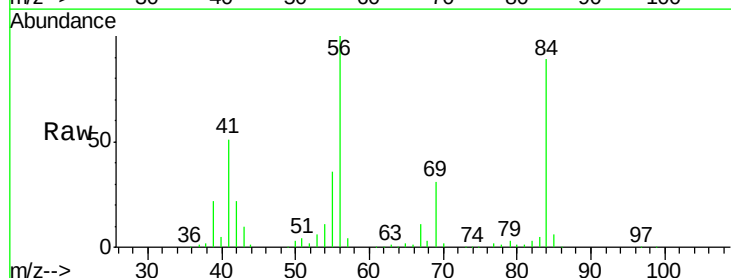
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

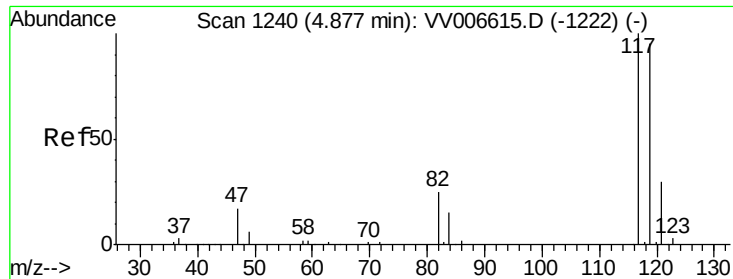
Tgt Ion: 97 Resp: 167644
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.6 77.4
 61 43.7 34.7 52.1



#30
 Cyclohexane
 Concen: 5.485 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion: 56 Resp: 190018
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.9 37.3
 84 88.7 71.3 106.9





#31

Carbon tetrachloride

Concen: 5.297 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

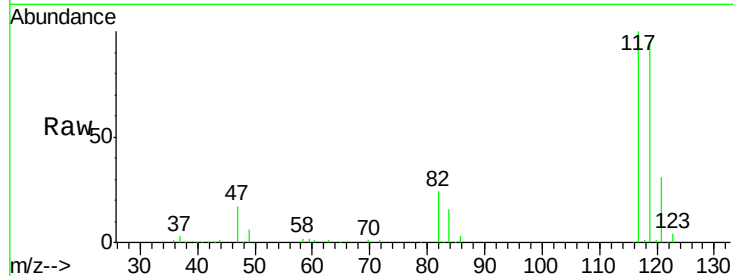
VSTD00562

Tgt Ion:117 Resp: 142579

Ion Ratio Lower Upper

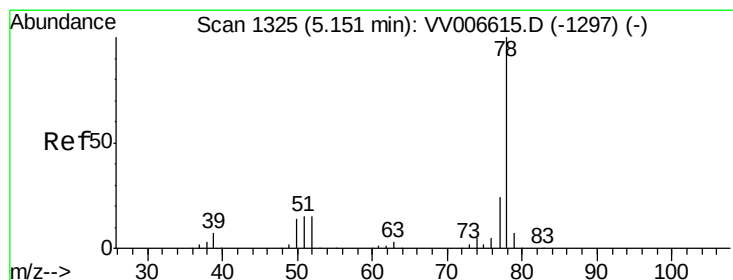
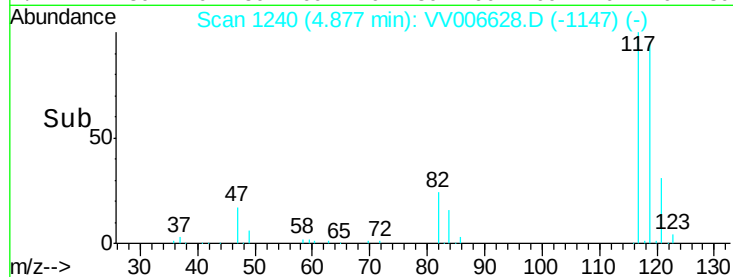
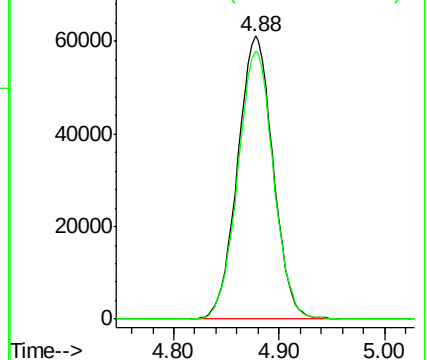
117 100

119 95.3 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.110 ug/L

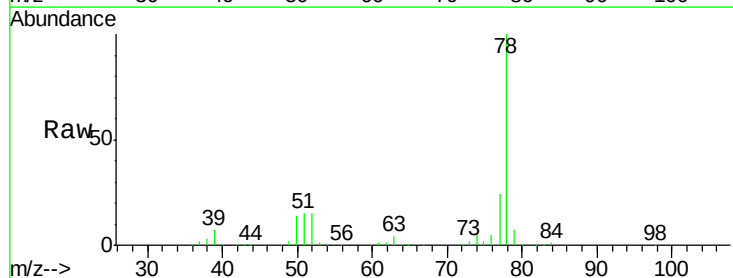
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

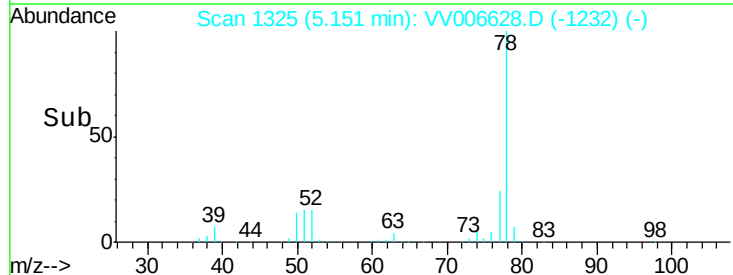
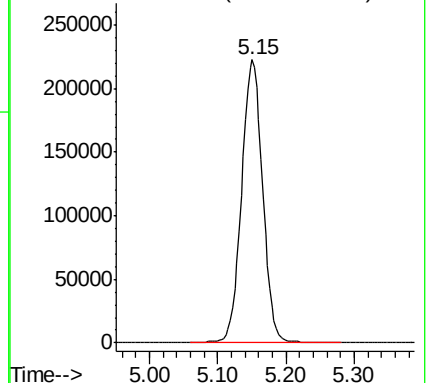
Lab File: VV006628.D

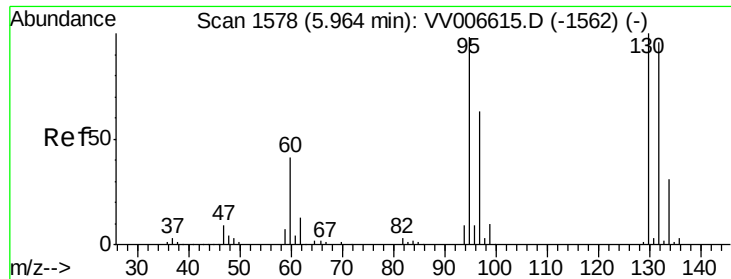
Acq: 18 Jul 2018 11:54

Tgt Ion: 78 Resp: 478138



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.208 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 95 Resp: 119544

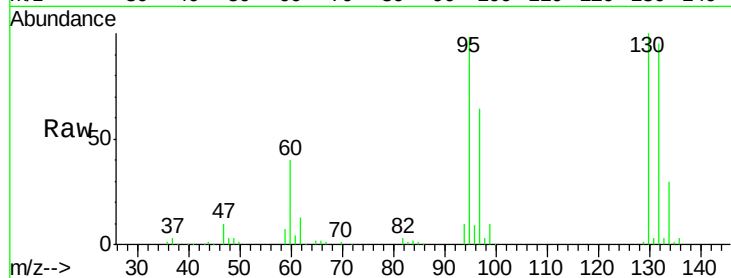
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.7

132 97.6 69.0 128.2

130 102.3 71.7 133.1

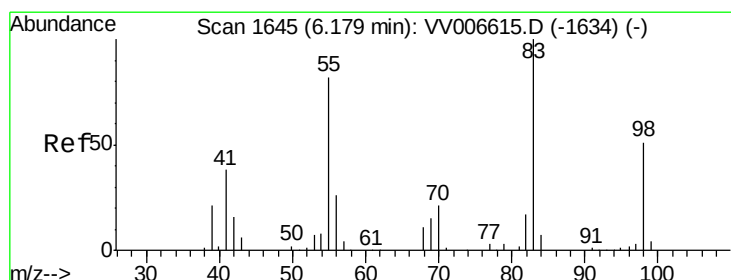
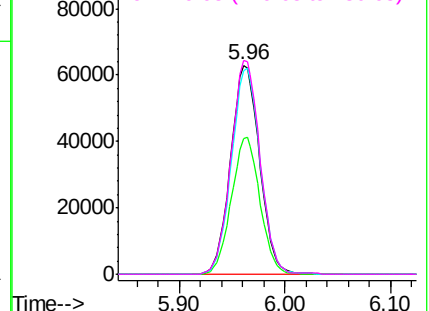
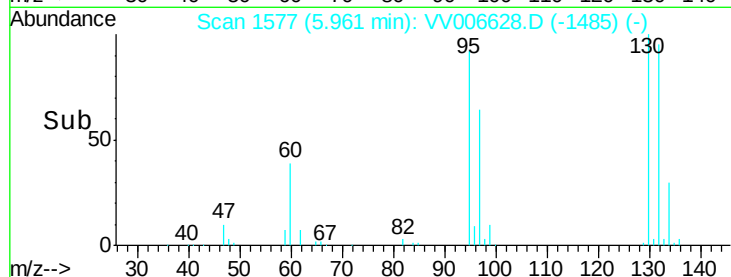


Abundance Ion 95.00 (94.70 to 95.70): VV006628.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006628.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006628.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006628.D (-1485) (-)



#35

Methylcyclohexane

Concen: 5.714 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

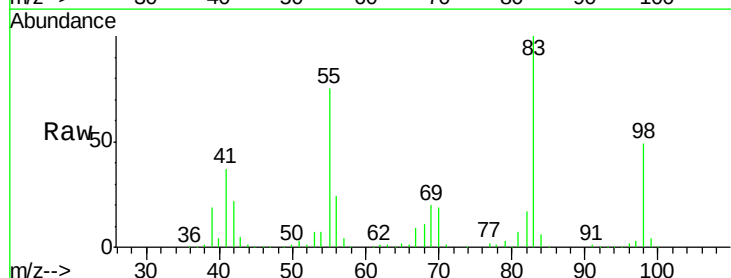
Tgt Ion: 83 Resp: 207354

Ion Ratio Lower Upper

83 100

55 75.5 60.7 91.1

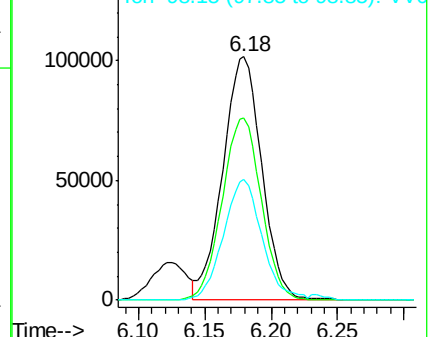
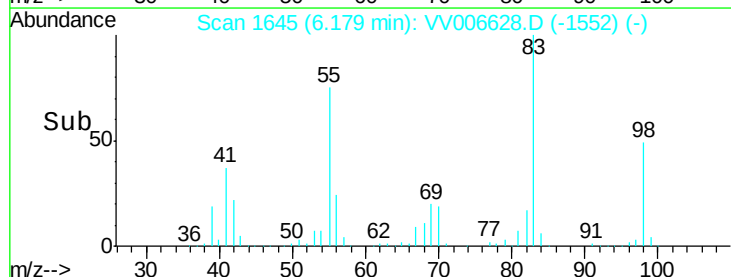
98 49.2 39.1 58.7

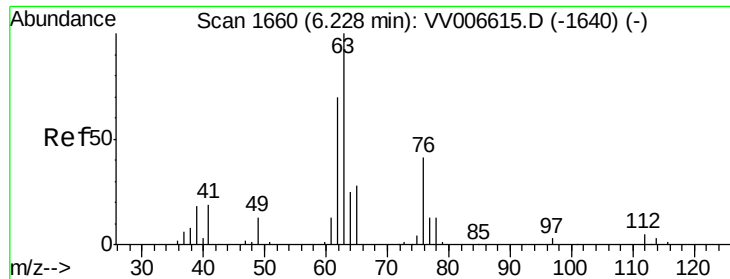


Abundance Ion 83.15 (82.85 to 83.85): VV006628.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006628.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006628.D (-1552) (-)

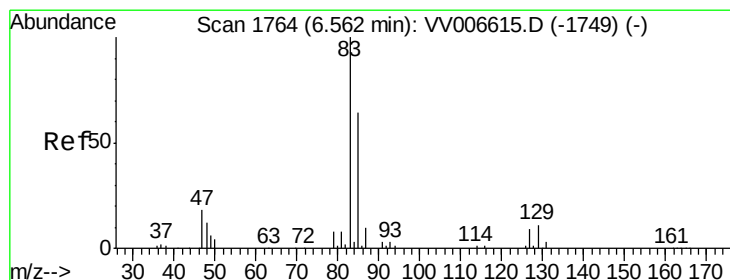
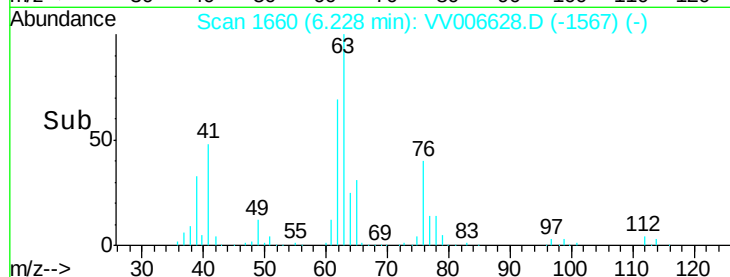
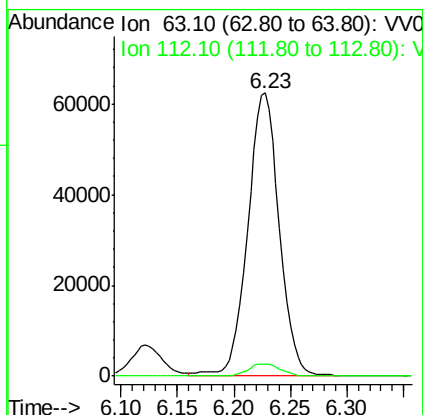
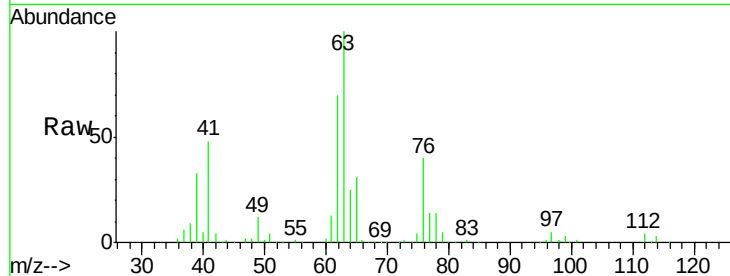




#37
 1,2-Dichloropropane
 Concen: 5.123 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

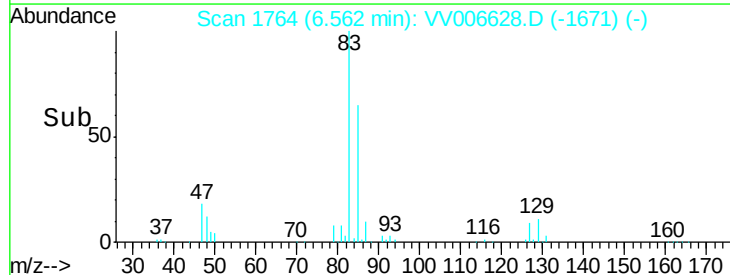
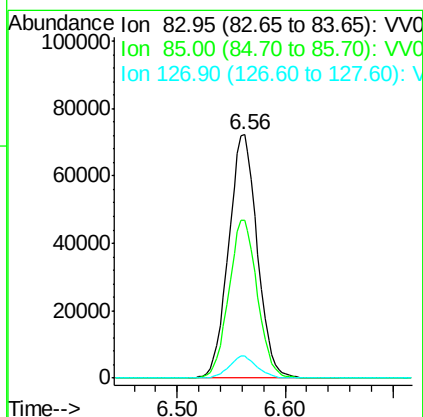
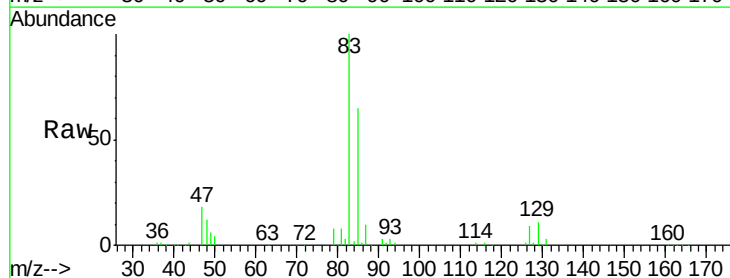
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

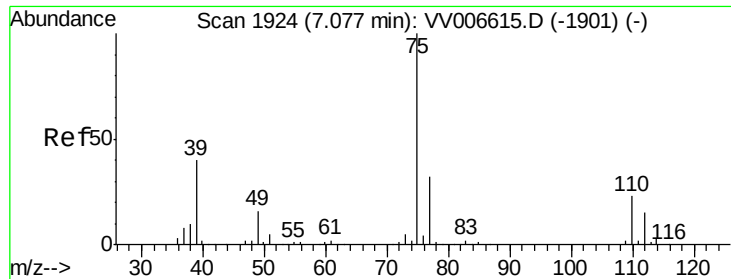
Tgt Ion: 63 Resp: 120857
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.038 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion: 83 Resp: 133657
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.7 83.1
 127 8.9 6.8 10.2

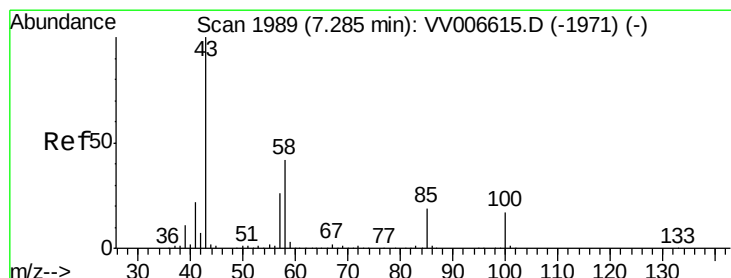
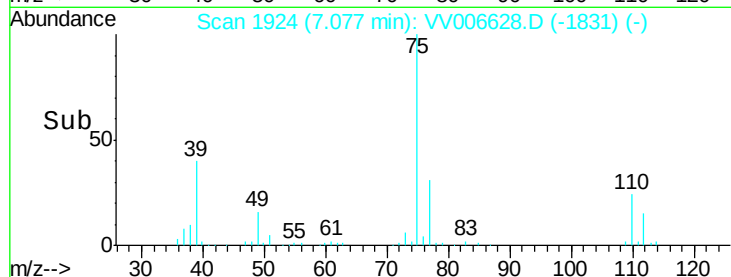
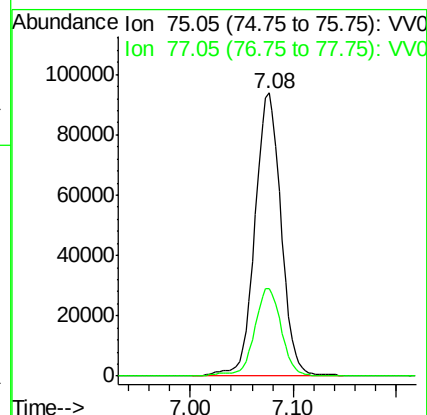
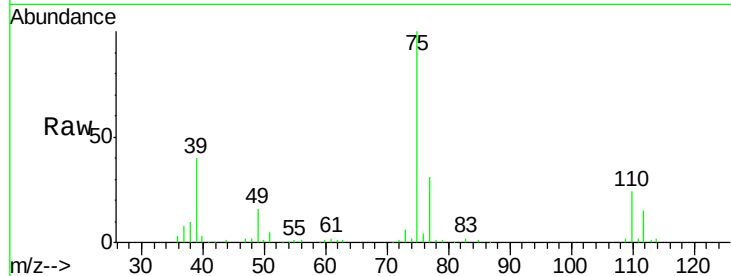




#39
 cis-1,3-Dichloropropene
 Concen: 5.289 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

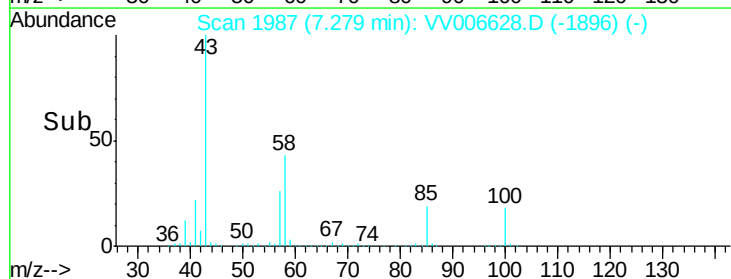
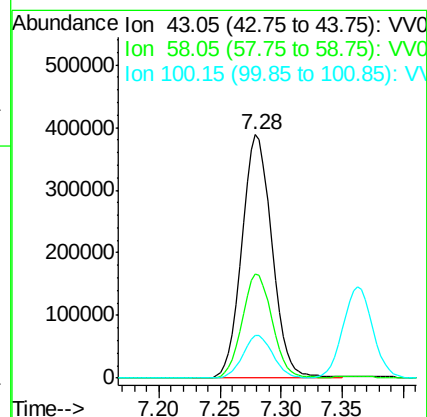
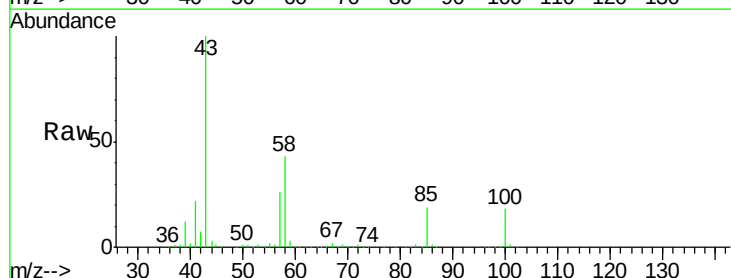
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

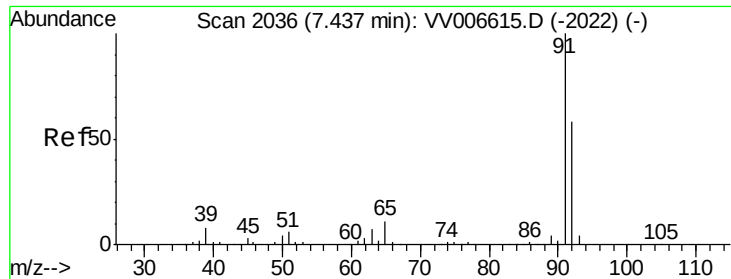
Tgt Ion: 75 Resp: 165104
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 48.899 ug/L
 RT: 7.28 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion: 43 Resp: 664722
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.2 49.8
 100 17.4 13.5 20.3





#42

Toluene

Concen: 5.261 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

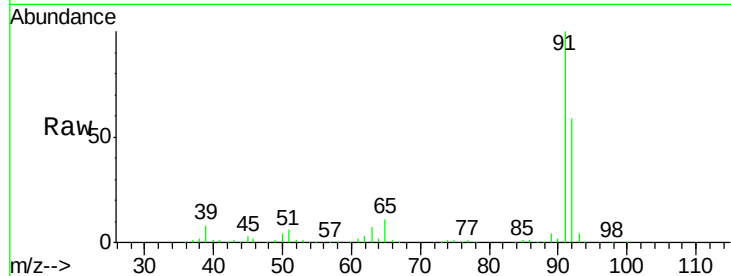
VSTD00562

Tgt Ion: 91 Resp: 501664

Ion Ratio Lower Upper

91 100

92 58.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV006615.D (-2022) (-)

Ion 92.15 (91.85 to 92.85): VV006615.D (-2022) (-)

7.43

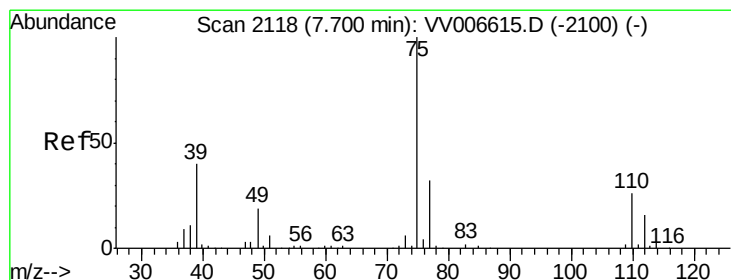
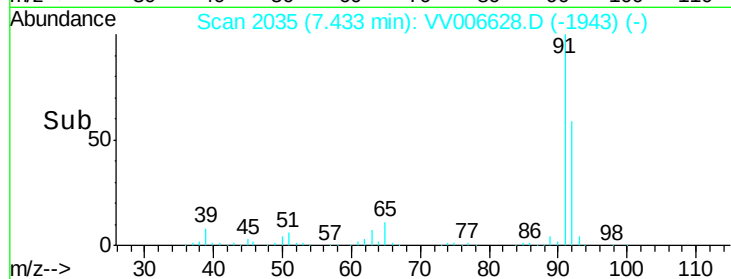
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.325 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006628.D

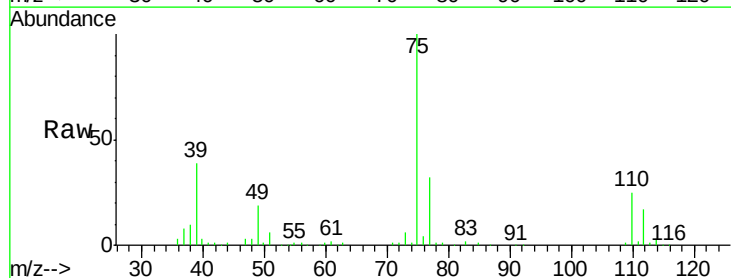
Acq: 18 Jul 2018 11:54

Tgt Ion: 75 Resp: 129001

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV006615.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006615.D (-2100) (-)

7.70

80000

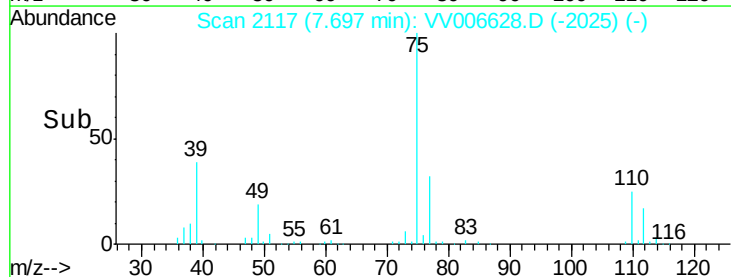
60000

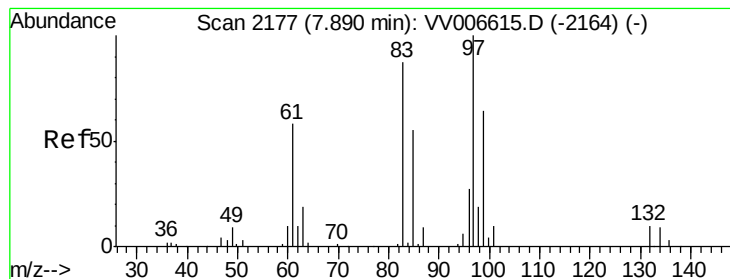
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.917 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 97 Resp: 81419

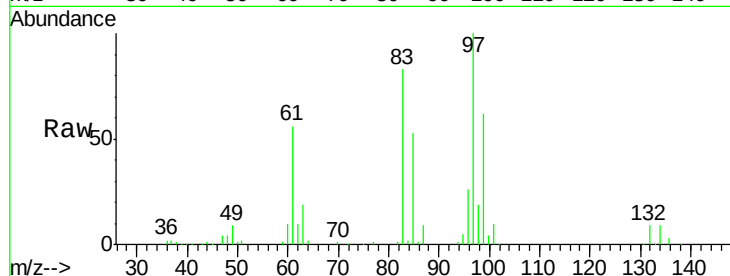
Ion Ratio Lower Upper

97 100

99 61.9 44.9 83.3

83 83.5 61.1 113.5

85 52.7 38.4 71.4

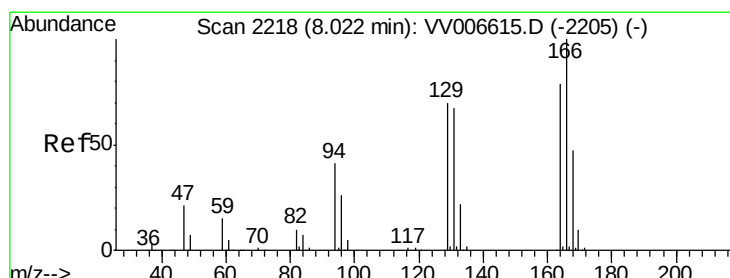
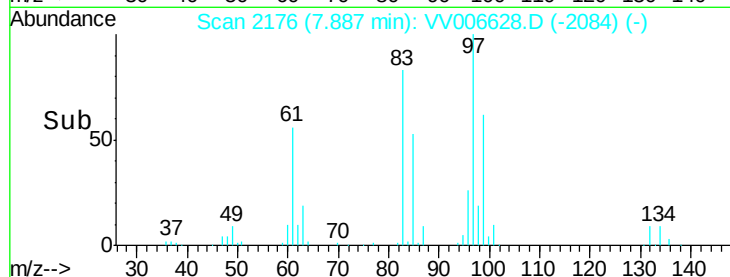
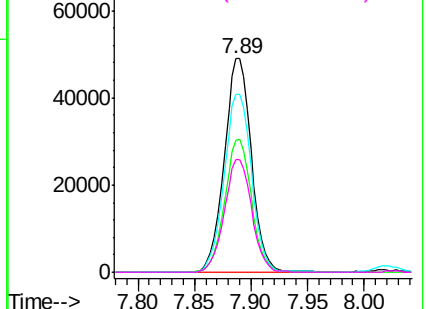


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.354 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Tgt Ion: 164 Resp: 98123

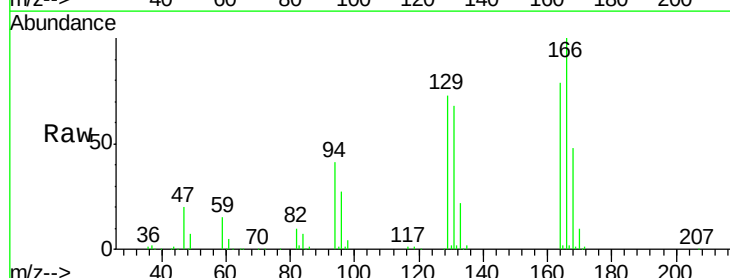
Ion Ratio Lower Upper

164 100

129 92.4 62.7 116.5

131 86.7 60.0 111.4

166 127.1 89.0 165.4

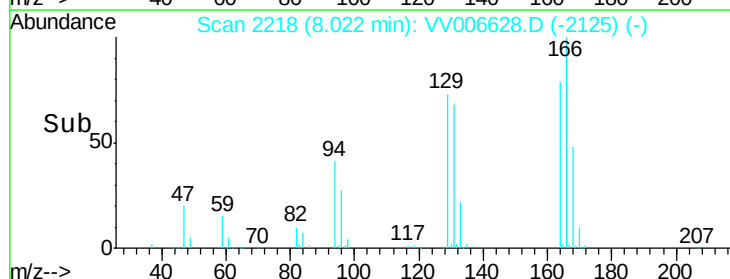
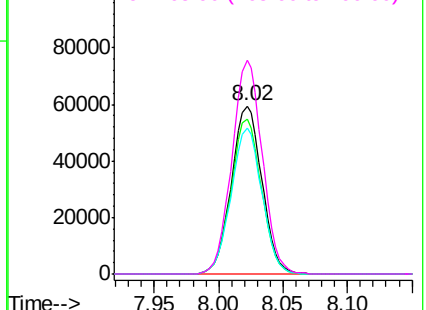


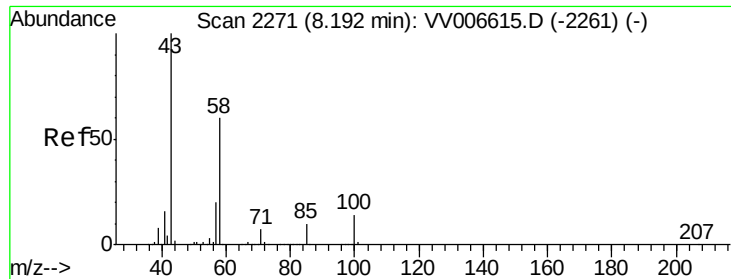
Abundance Ion 163.90 (163.60 to 164.60): V

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

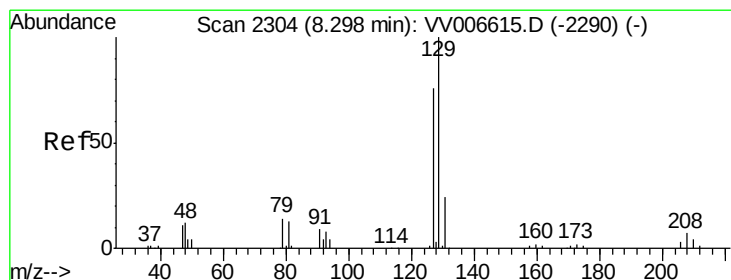
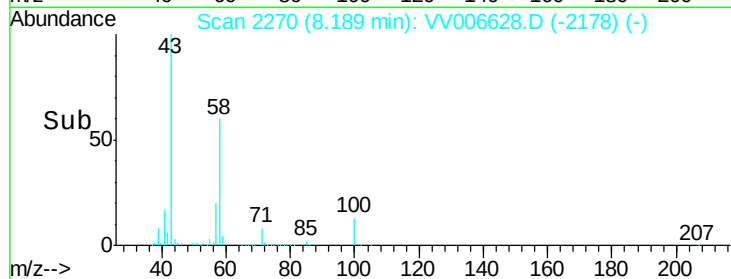
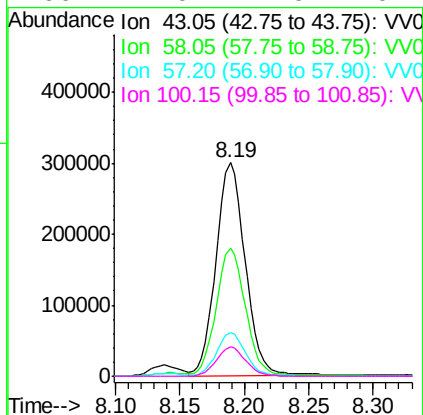
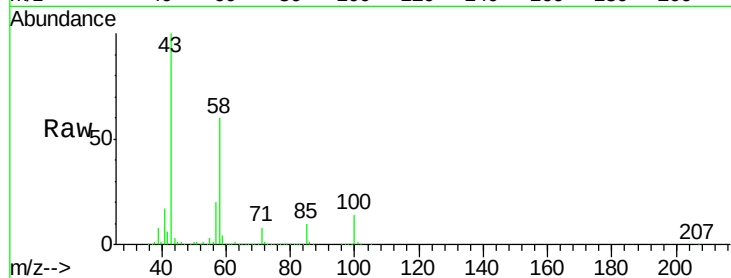




#48
2-Hexanone
Concen: 48.644 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

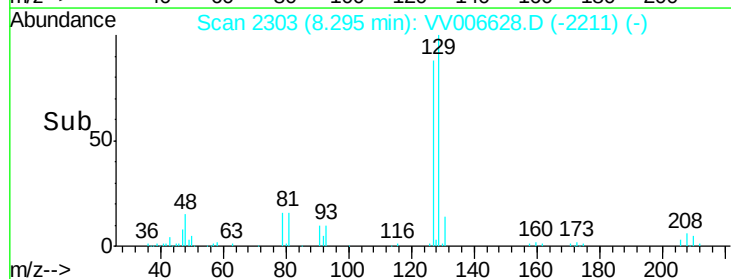
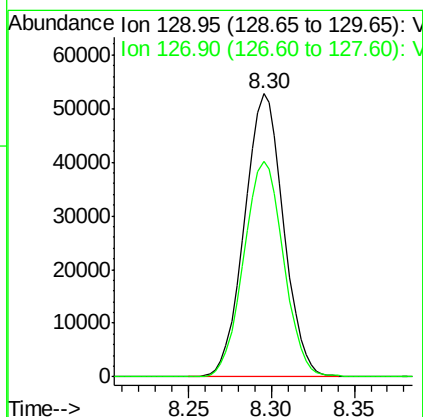
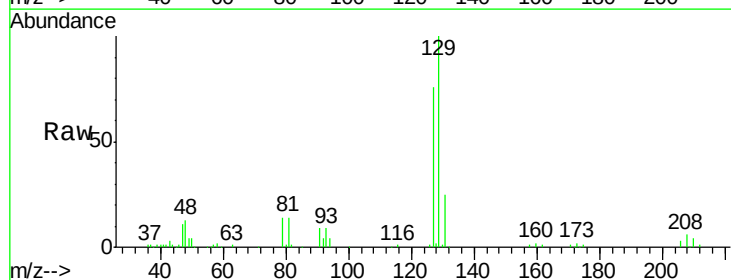
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

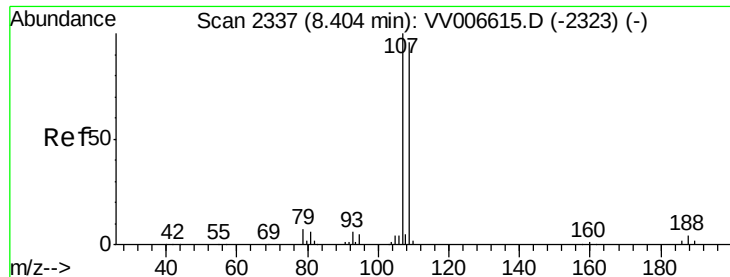
Tgt Ion:	43	Resp:	471742
Ion	Ratio	Lower	Upper
43	100		
58	60.1	48.2	72.4
57	20.6	16.2	24.4
100	14.0	11.0	16.4



#49
Dibromochloromethane
Concen: 5.147 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Tgt Ion:	129	Resp:	86416
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.2	98.8

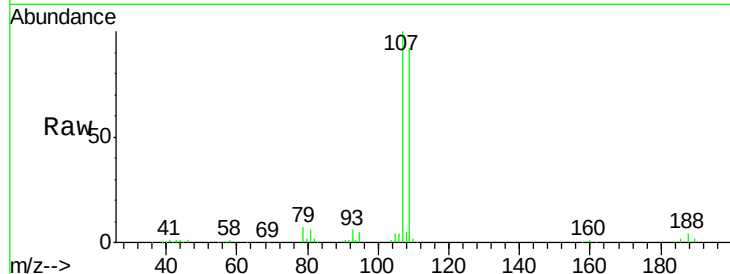




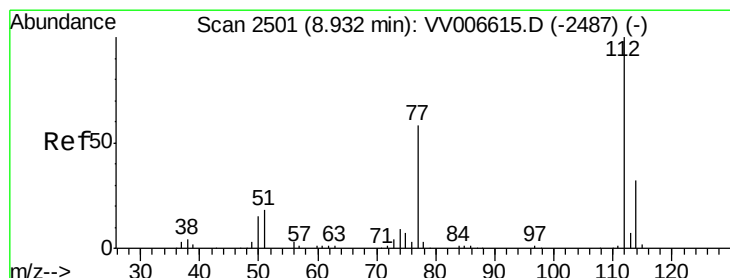
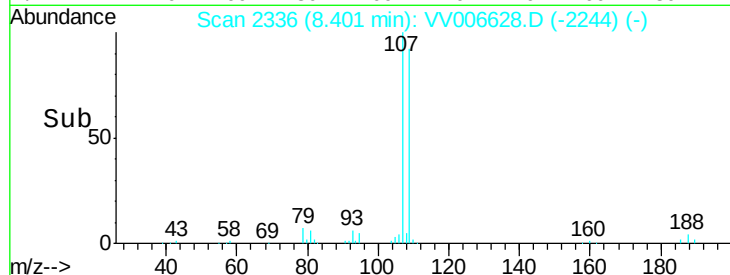
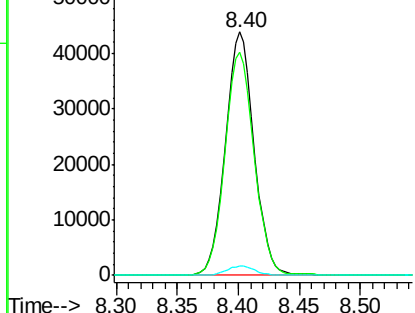
#50
1,2-Dibromoethane
Concen: 4.889 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:107 Resp: 72049
Ion Ratio Lower Upper
107 100
109 91.7 67.1 124.5
188 3.8 3.3 4.9

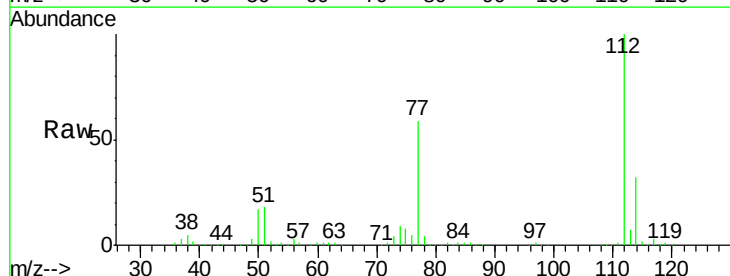


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

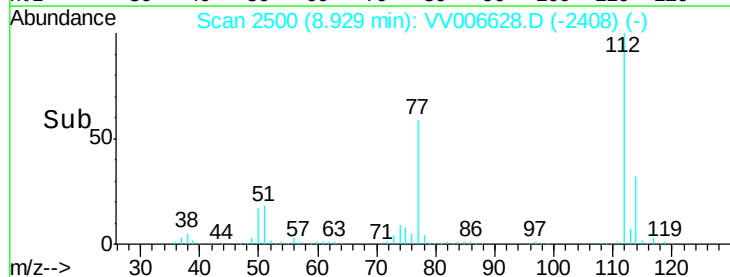
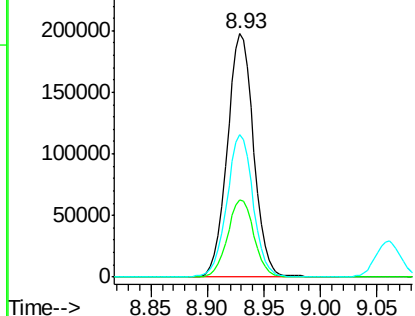


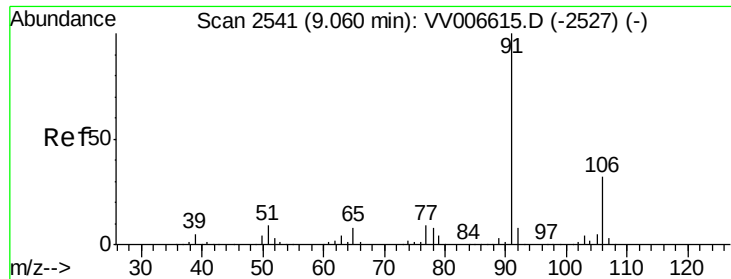
#51
Chlorobenzene
Concen: 5.164 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Tgt Ion:112 Resp: 320236
Ion Ratio Lower Upper
112 100
114 32.0 22.6 42.0
77 58.6 46.2 69.4



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: 5.408 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

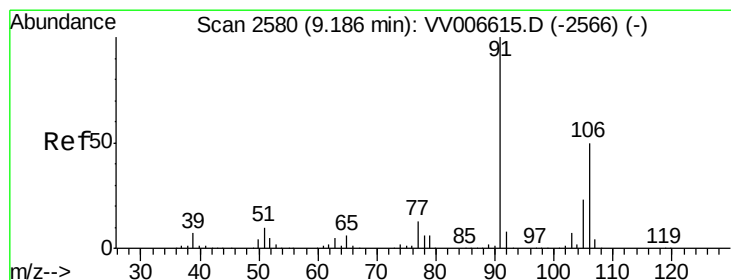
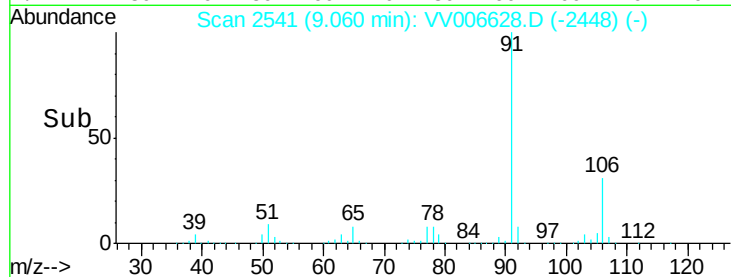
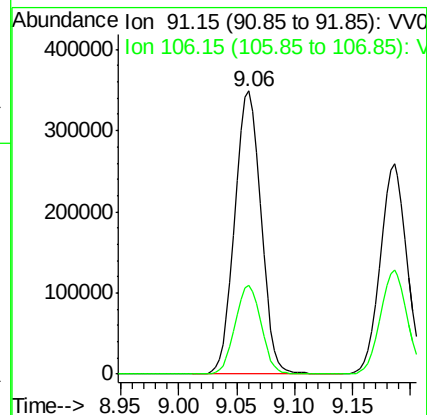
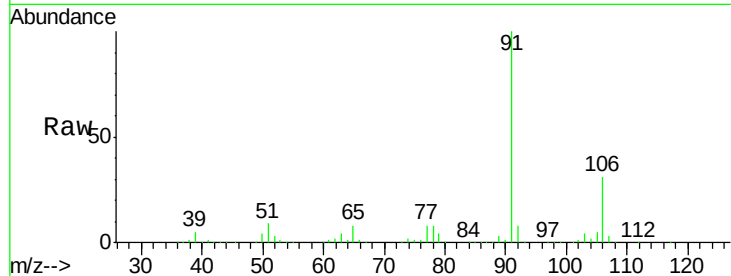
VSTD00562

Tgt Ion: 91 Resp: 545042

Ion Ratio Lower Upper

91 100

106 31.4 22.2 41.2



#53

m,p-xylene

Concen: 5.408 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006628.D

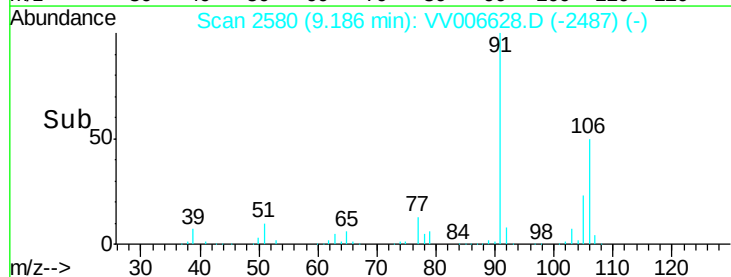
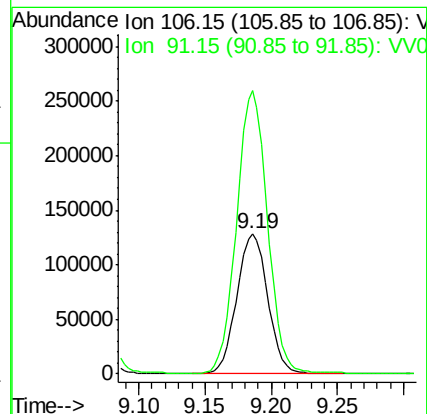
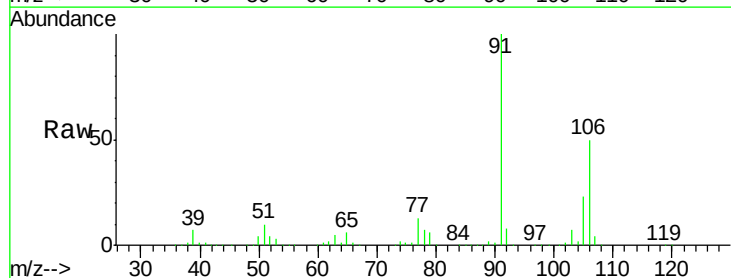
Acq: 18 Jul 2018 11:54

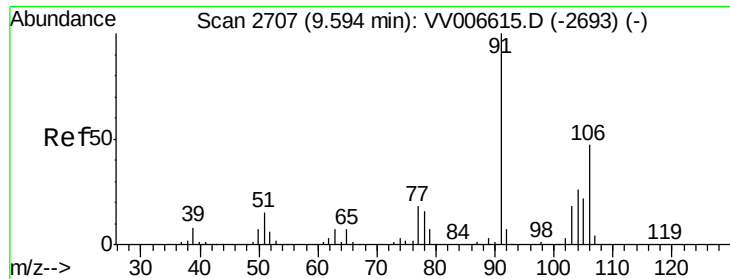
Tgt Ion: 106 Resp: 209410

Ion Ratio Lower Upper

106 100

91 201.7 140.3 260.5

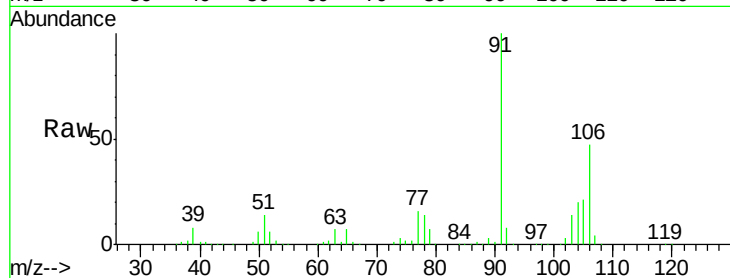




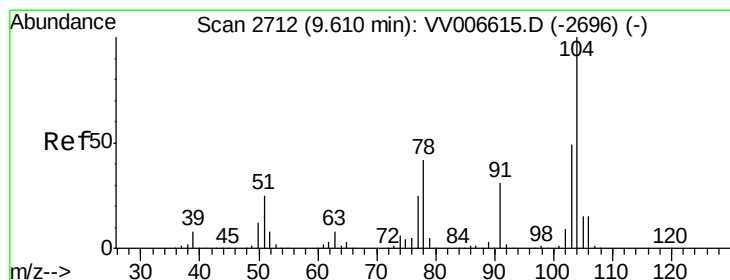
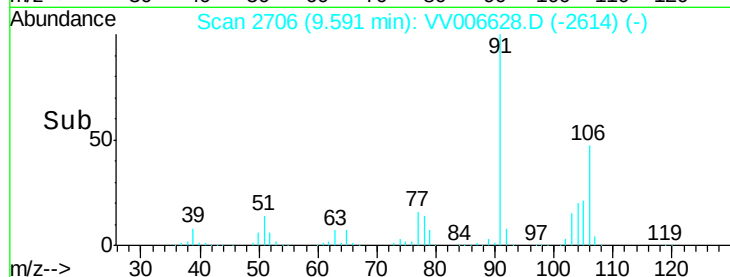
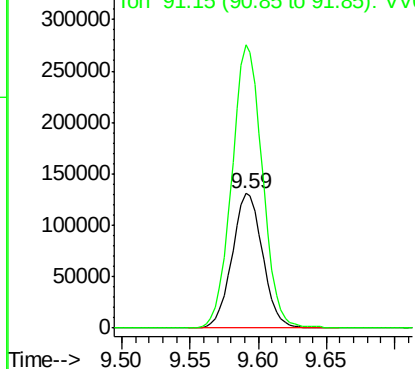
#54
o-xylene
Concen: 5.404 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:106 Resp: 203707
Ion Ratio Lower Upper
106 100
91 210.7 149.0 276.6

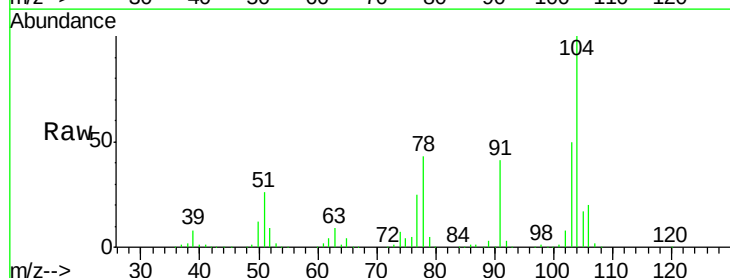


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

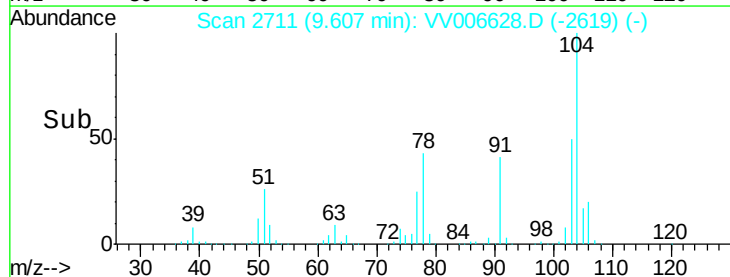
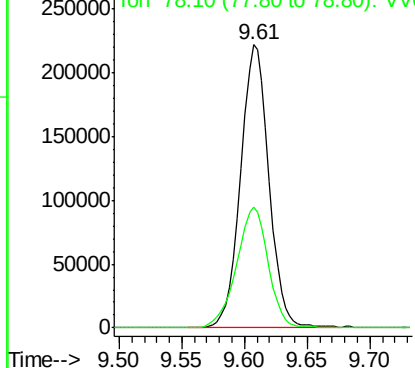


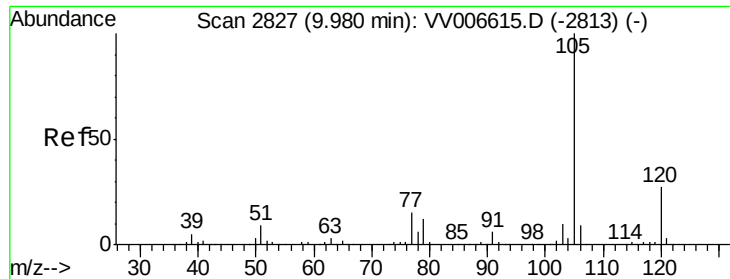
#55
Styrene
Concen: 5.396 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: VV006628.D
Acq: 18 Jul 2018 11:54

Tgt Ion:104 Resp: 348958
Ion Ratio Lower Upper
104 100
78 42.9 29.6 55.0



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





#56

Isopropylbenzene

Concen: 5.587 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

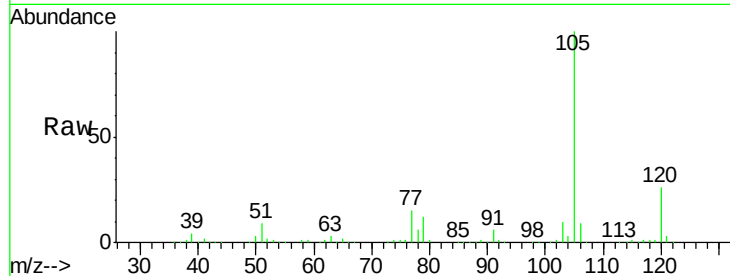
Tgt Ion: 105 Resp: 538884

Ion Ratio Lower Upper

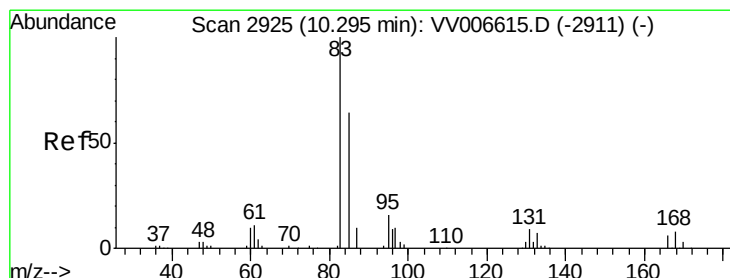
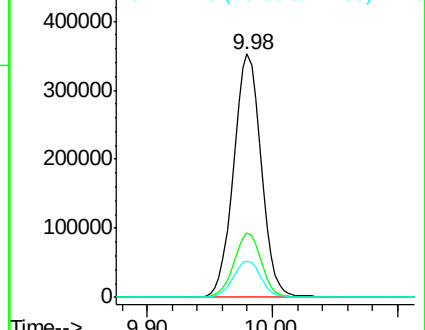
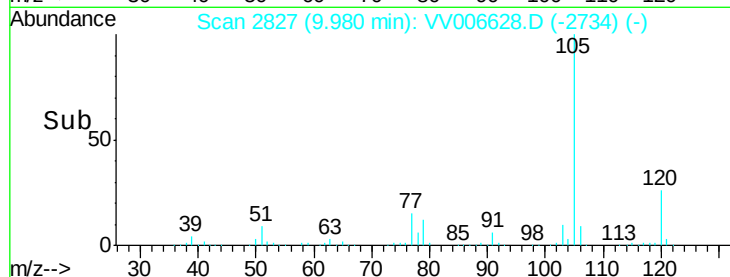
105 100

120 26.4 21.4 32.2

77 15.0 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): VV006628.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.898 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

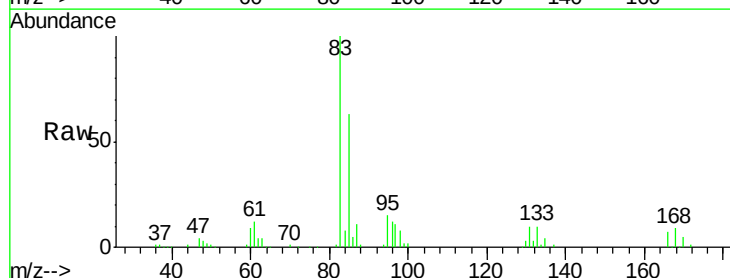
Tgt Ion: 83 Resp: 100370

Ion Ratio Lower Upper

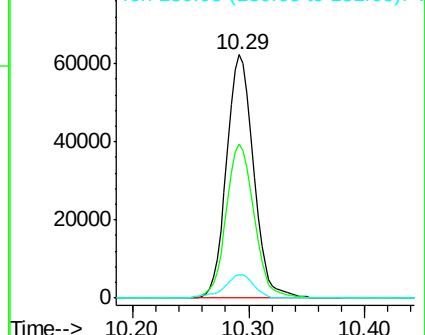
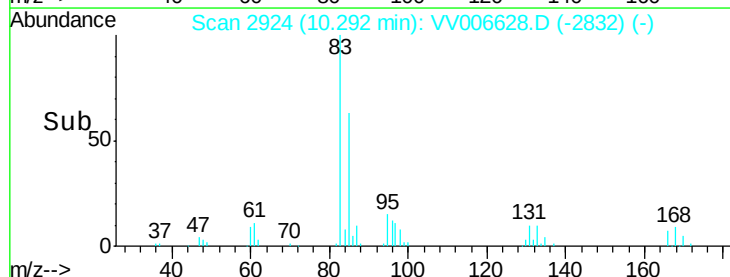
83 100

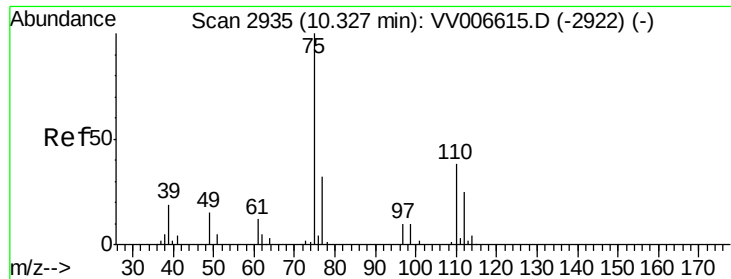
85 63.2 45.3 84.1

131 9.8 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV006628.D (-2832) (-)





#59

1,2,3-Trichloropropane

Concen: 4.833 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

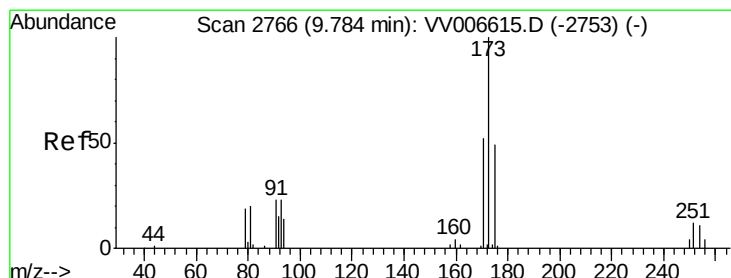
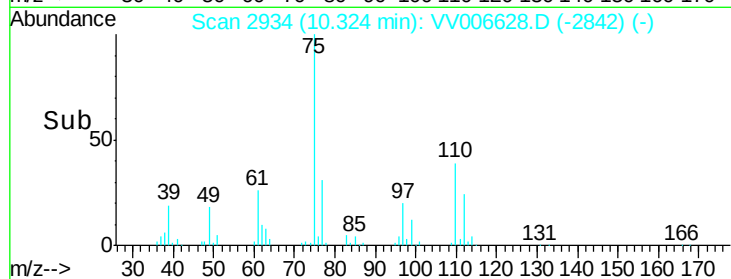
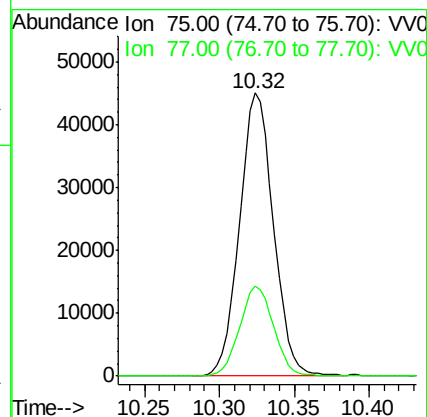
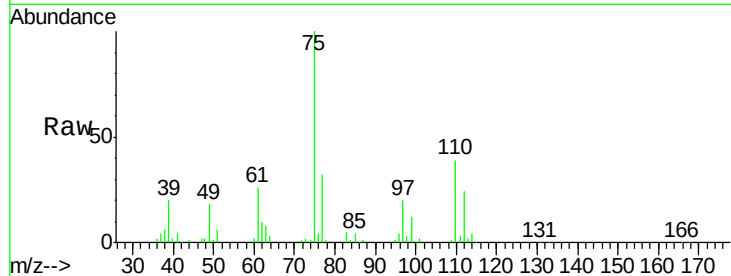
VSTD00562

Tgt Ion: 75 Resp: 70988

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#61

Bromoform

Concen: 4.836 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

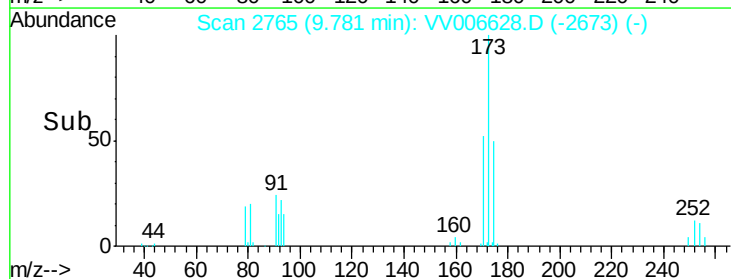
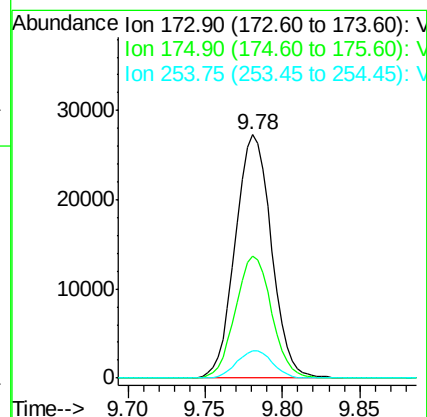
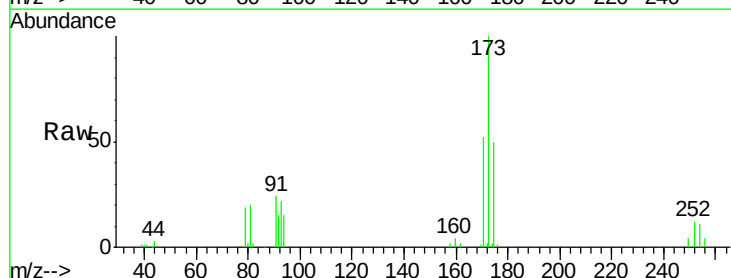
Tgt Ion: 173 Resp: 44251

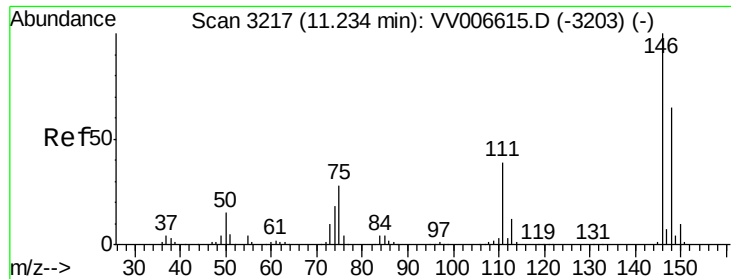
Ion Ratio Lower Upper

173 100

175 50.2 39.0 58.6

254 11.2 8.7 13.1

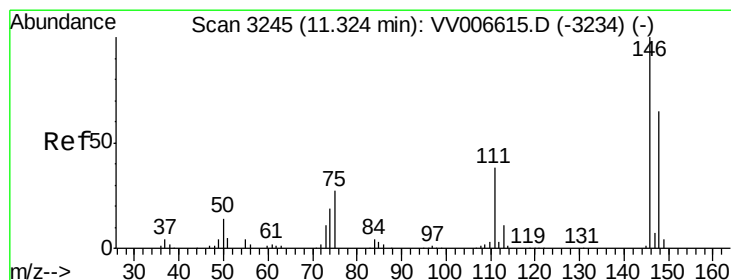
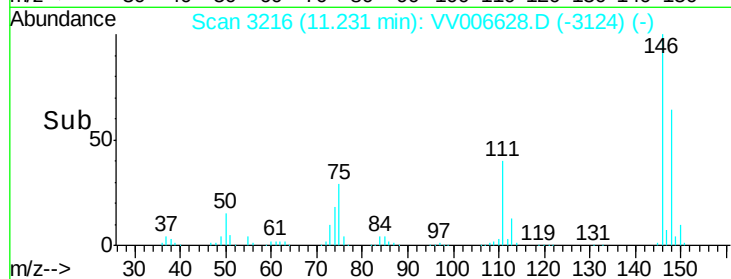
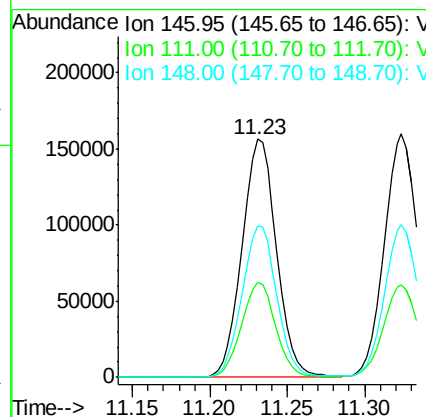
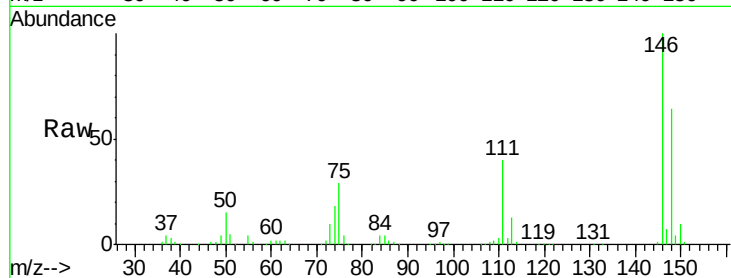




#62
 1,3-Dichlorobenzene
 Concen: 5.129 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

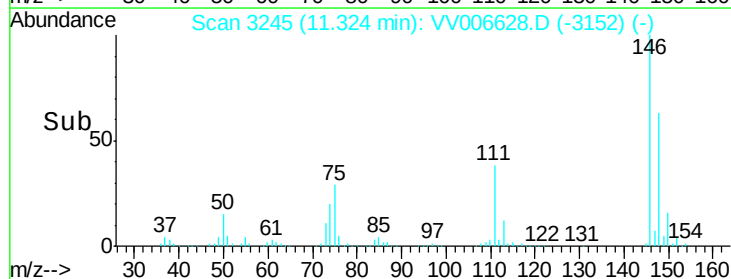
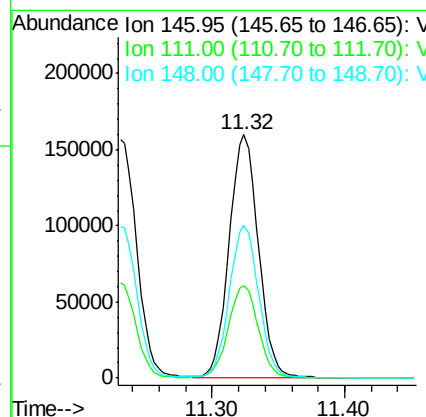
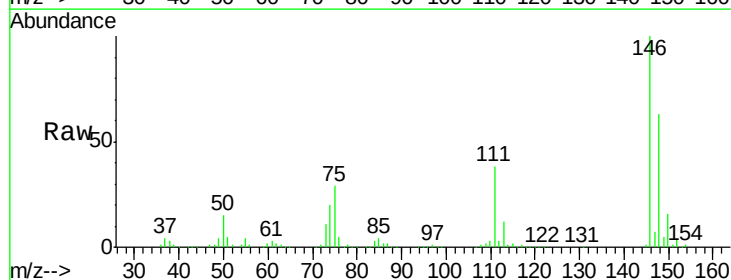
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

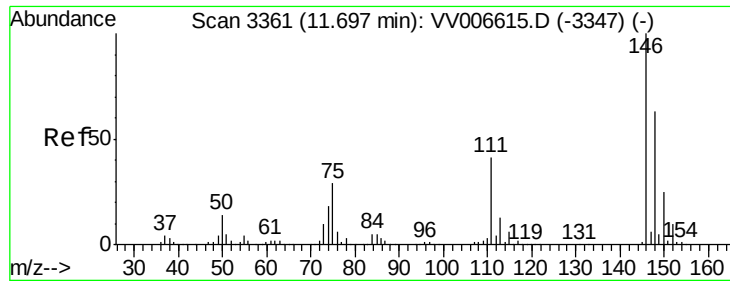
Tgt Ion:146 Resp: 243146
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.4 51.0
 148 63.5 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.094 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion:146 Resp: 246406
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 62.8 45.7 84.9

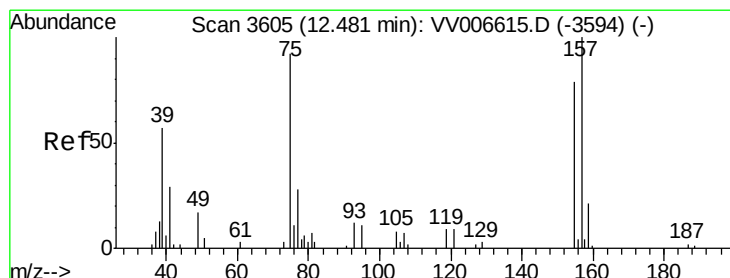
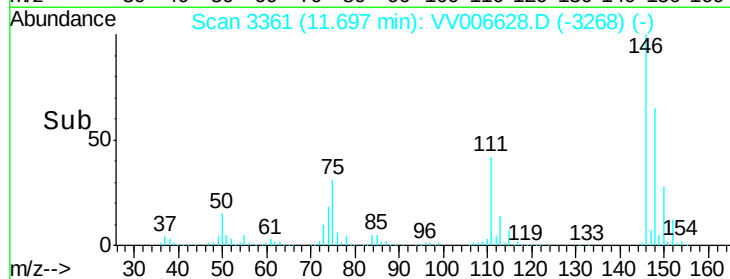
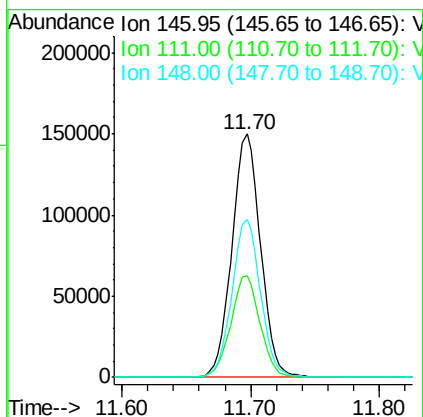
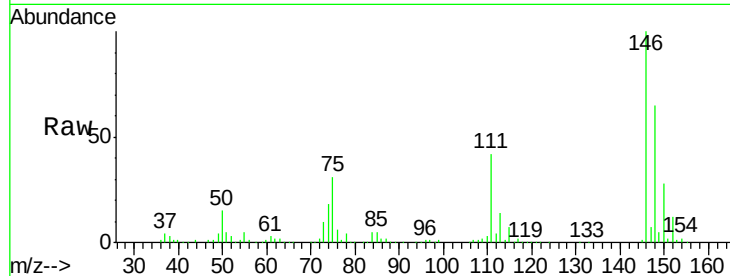




#65
 1,2-Dichlorobenzene
 Concen: 4.945 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

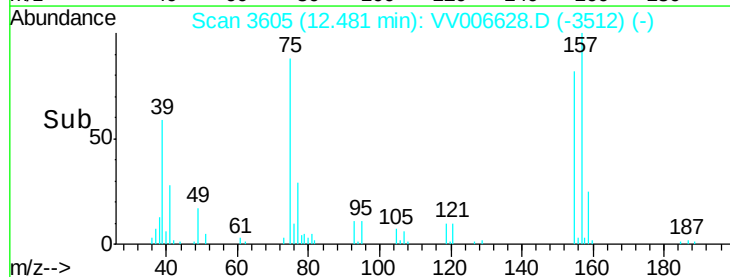
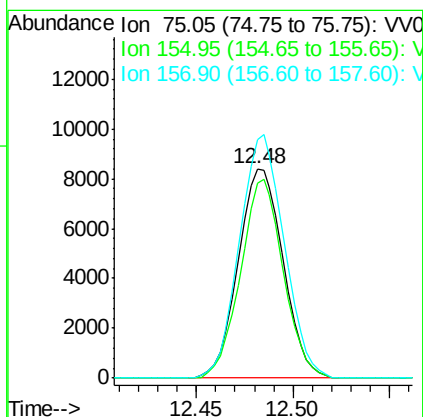
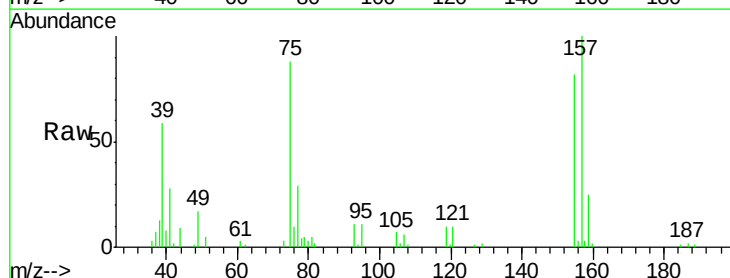
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

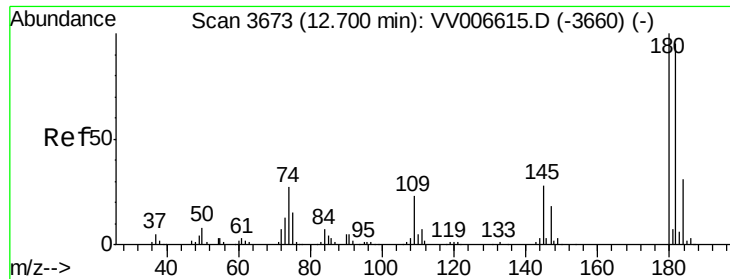
Tgt Ion: 146 Resp: 231088
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.6 48.8
 148 65.1 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.618 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion: 75 Resp: 13561
 Ion Ratio Lower Upper
 75 100
 155 93.3 68.9 103.3
 157 114.1 87.0 130.6

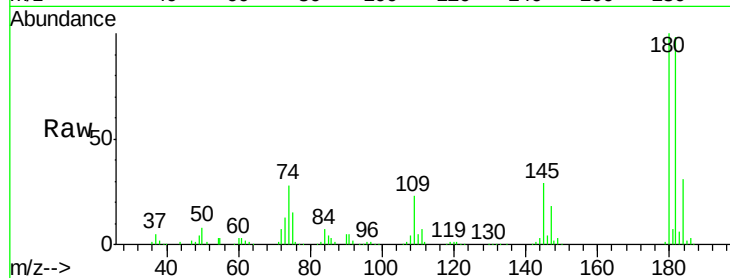




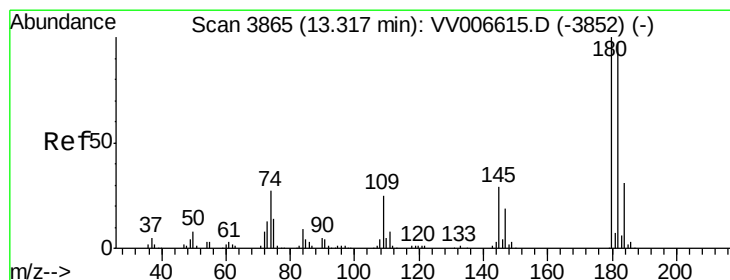
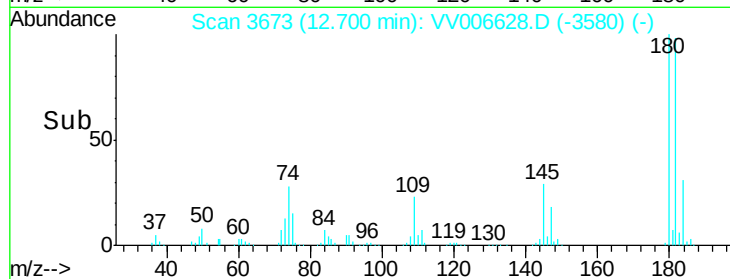
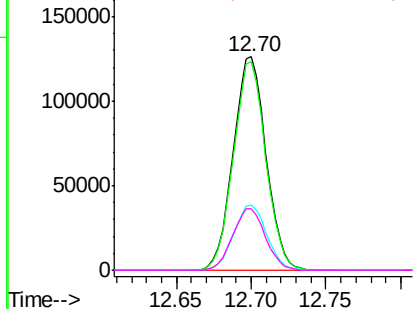
#67
 1,3,5-Trichlorobenzene
 Concen: 5.284 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.2
184	30.6	24.3	36.5
145	28.8	23.0	34.4

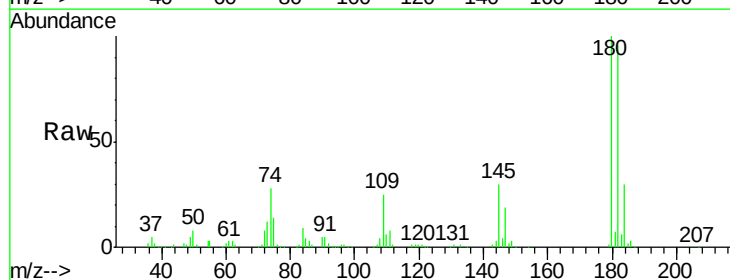


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

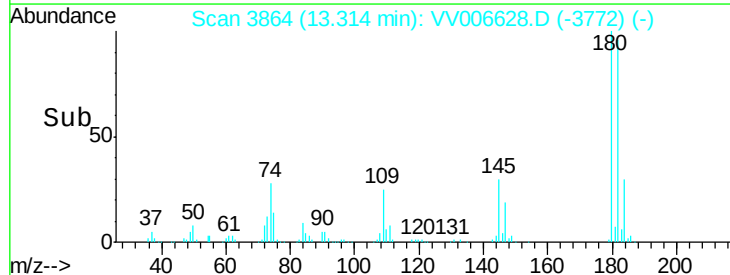
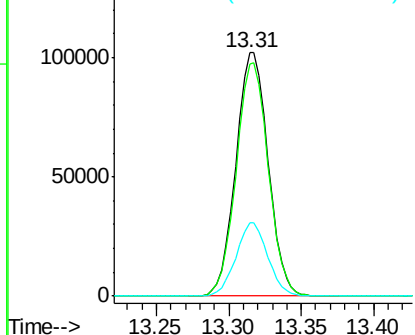


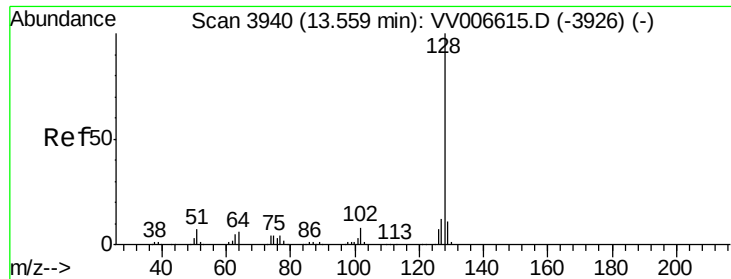
#68
 1,2,4-trichlorobenzene
 Concen: 5.198 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006628.D
 Acq: 18 Jul 2018 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	29.4	23.4	35.0



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: 4.907 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

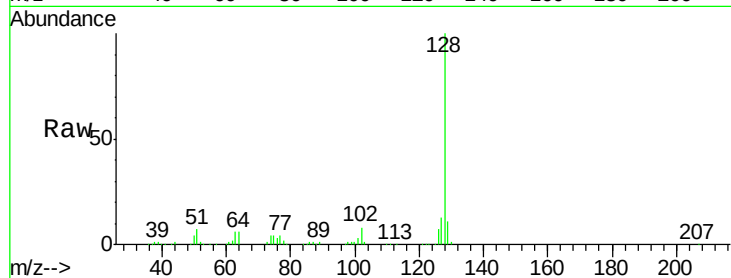
Tgt Ion:128 Resp: 276483

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

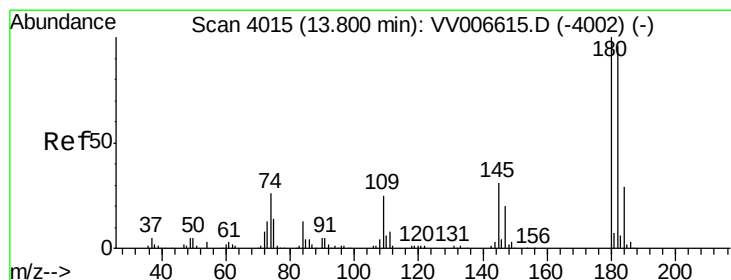
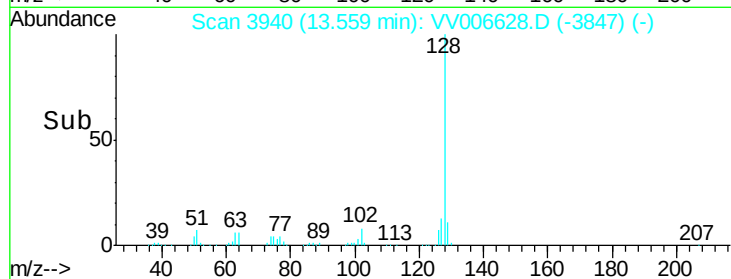
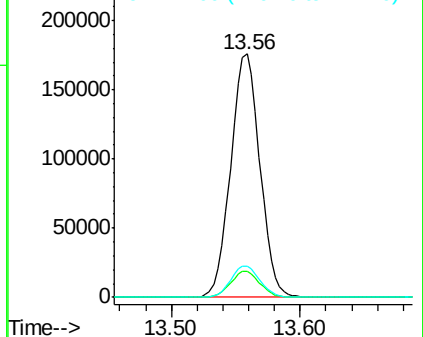
127 12.9 10.1 15.1



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: 5.073 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006628.D

Acq: 18 Jul 2018 11:54

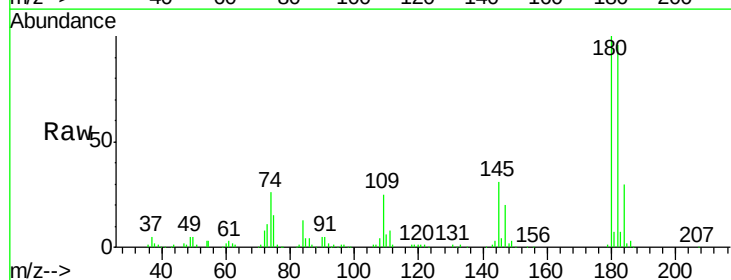
Tgt Ion:180 Resp: 146465

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.2

145 31.5 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

