

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008778.D
 Acq On : 29 Nov 2018 21:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Quant Time: Nov 30 05:01:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	154479	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142366	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69972	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49758	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.59	69	34277	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.14	63	85996	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	3.96	46	113657	47.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.96%
24) Chloroform-d	4.41	84	98638	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.09	65	47811	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.10	84	206265	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	60036	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.36	98	194431	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.67	79	20811	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	86019	47.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39346	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	65576	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	65970	4.827 ug/L	99
3) Chloromethane	1.25	50	49891	4.875 ug/L	100
5) Vinyl chloride	1.32	62	51430	5.051 ug/L	100
6) Bromomethane	1.54	94	32100	5.025 ug/L	100
8) Chloroethane	1.60	64	27056	4.642 ug/L	95
9) Trichlorofluoromethane	1.78	101	78855	5.185 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	42855	4.925 ug/L	98
12) 1,1-Dichloroethene	2.15	96	37704	4.963 ug/L	91
13) Acetone	2.22	43	55361	46.406 ug/L	100
14) Carbon disulfide	2.32	76	110821	5.026 ug/L	98
15) Methyl Acetate	2.47	43	14376	4.503 ug/L	98
16) Methylene chloride	2.54	84	39015	4.554 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	90514	4.838 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	40961	4.906 ug/L	97
19) 1,1-Dichloroethane	3.23	63	93753	5.053 ug/L	99
21) 2-Butanone	4.05	43	115025	48.099 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	56970	4.857 ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
 Data File : VV008778.D
 Acq On : 29 Nov 2018 21:18
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Quant Time: Nov 30 05:01:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 04:55:05 2018
 Response via : Initial Calibration

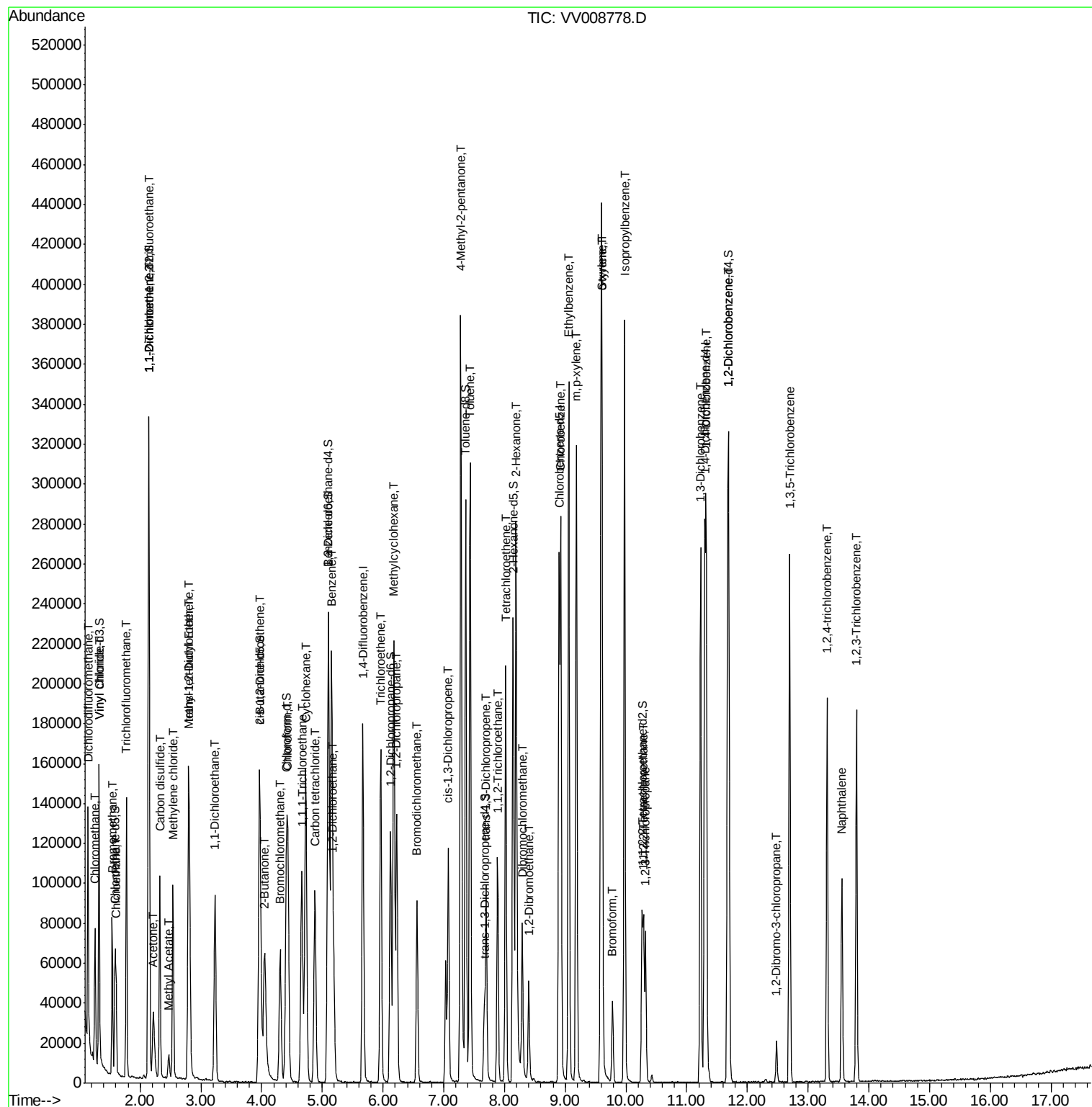
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	23515	4.886	ug/L	96
25) Chloroform	4.43	83	96659	4.793	ug/L	99
27) 1,2-Dichloroethane	5.19	62	58819	5.076	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	82150	4.944	ug/L	98
30) Cyclohexane	4.73	56	85038	4.859	ug/L	99
31) Carbon tetrachloride	4.88	117	72031	5.008	ug/L	98
33) Benzene	5.15	78	212845	4.986	ug/L	100
34) Trichloroethene	5.96	95	58059	4.891	ug/L	96
35) Methylcyclohexane	6.18	83	91716	4.872	ug/L	99
37) 1,2-Dichloropropane	6.23	63	52978	4.992	ug/L	100
38) Bromodichloromethane	6.56	83	59007	4.869	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	69663	4.998	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	266437	48.508	ug/L	99
42) Toluene	7.43	91	226455	5.068	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	53680	4.886	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	34759	4.937	ug/L	96
47) Tetrachloroethene	8.02	164	45569	4.964	ug/L	98
48) 2-Hexanone	8.19	43	185817	48.189	ug/L	99
49) Dibromochloromethane	8.29	129	38456	5.016	ug/L	100
50) 1,2-Dibromoethane	8.40	107	32591	4.932	ug/L	98
51) Chlorobenzene	8.93	112	145158	4.935	ug/L	99
52) Ethylbenzene	9.06	91	241992	5.005	ug/L	99
53) m,p-xylene	9.18	106	92273	5.089	ug/L	96
54) o-xylene	9.59	106	89041	5.090	ug/L	97
55) Styrene	9.61	104	150509	5.175	ug/L	99
56) Isopropylbenzene	9.98	105	242445	5.088	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	37769	5.030	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	29529	4.849	ug/L	99
61) Bromoform	9.78	173	18335	4.833	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	111005	4.820	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	112046	4.918	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	101676	4.680	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	5481	5.122	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	80975	4.791	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	60279	4.834	ug/L	97
69) Naphthalene	13.56	128	83822	4.597	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	56528	4.859	ug/L	98

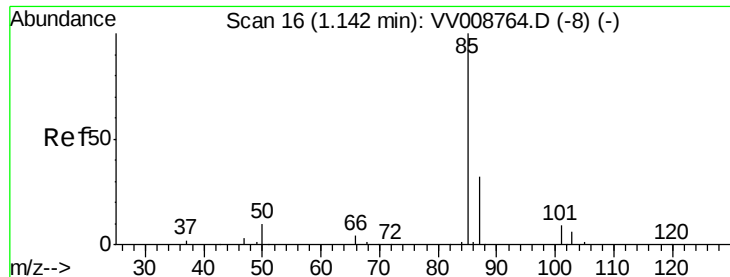
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
Data File : VV008778.D
Acq On : 29 Nov 2018 21:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Quant Time: Nov 30 05:01:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 30 04:55:05 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.827 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

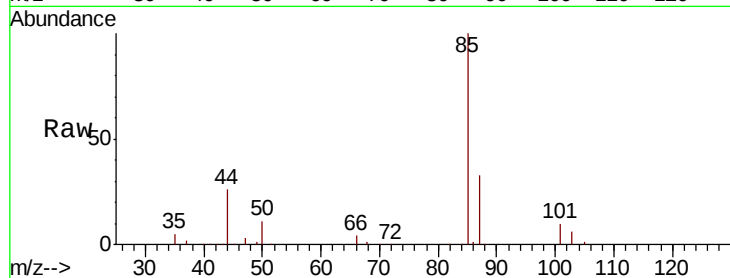
VSTD00570

Tgt Ion: 85 Resp: 65970

Ion Ratio Lower Upper

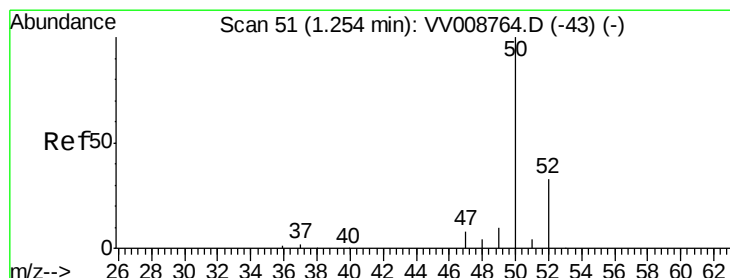
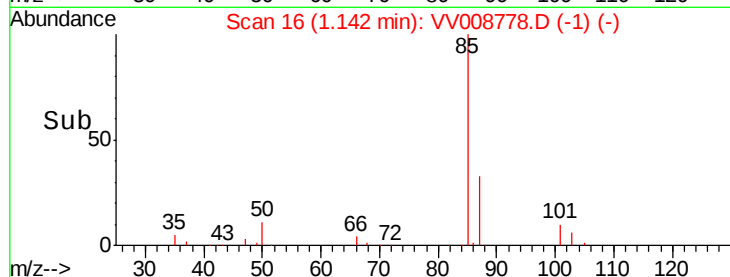
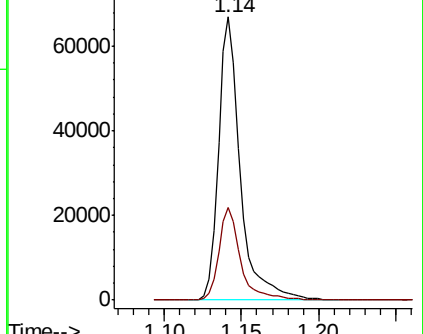
85 100

87 32.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV008764.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008764.D (-8) (-)



#3

Chloromethane

Concen: 4.875 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008778.D

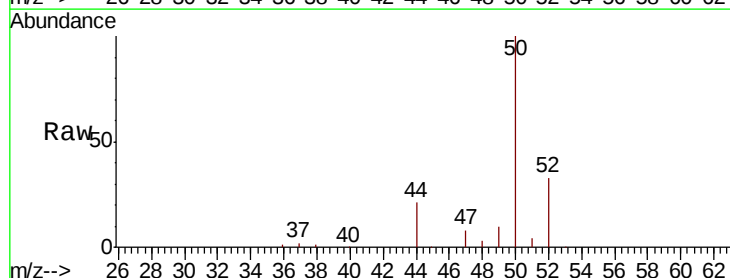
Acq: 29 Nov 2018 21:18

Tgt Ion: 50 Resp: 49891

Ion Ratio Lower Upper

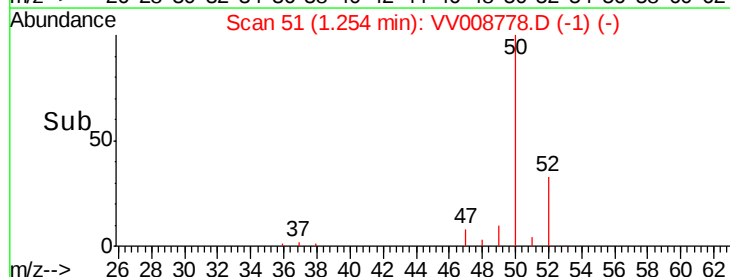
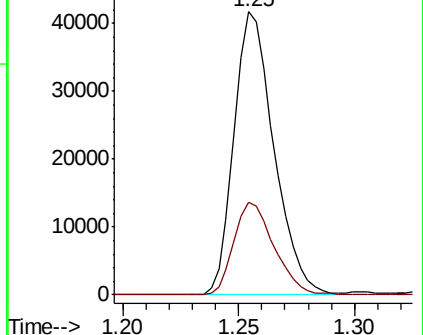
50 100

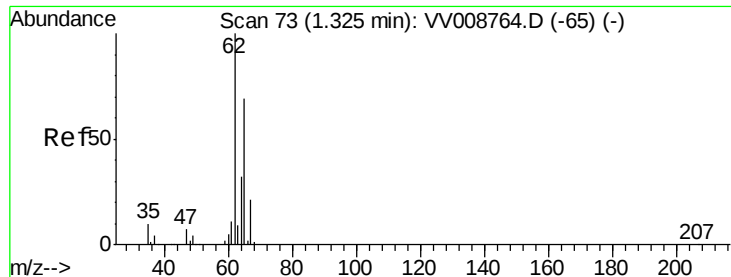
52 32.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV008764.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008764.D (-43) (-)





#5

Vinyl chloride

Concen: 5.051 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

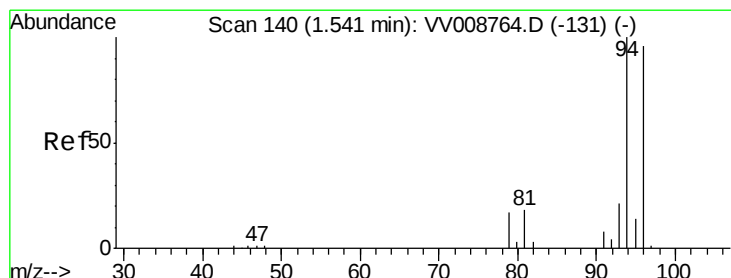
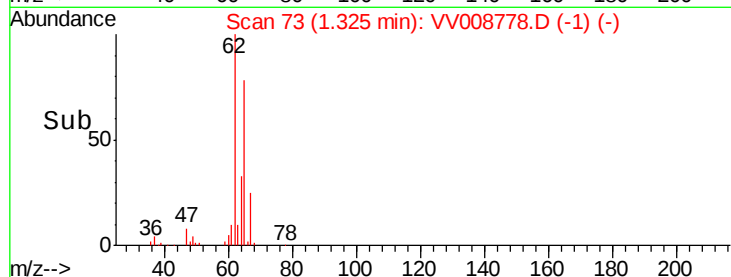
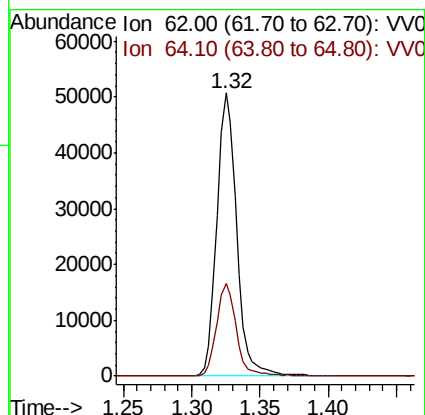
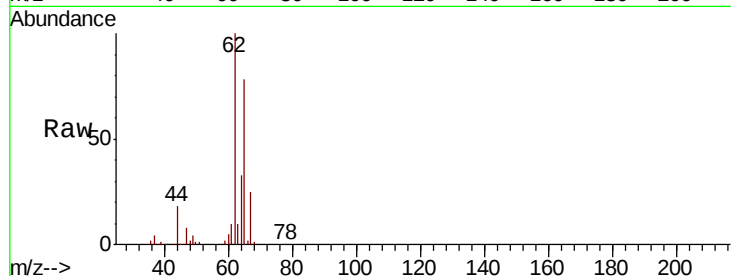
VSTD00570

Tgt Ion: 62 Resp: 51430

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.1



#6

Bromomethane

Concen: 5.025 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV008778.D

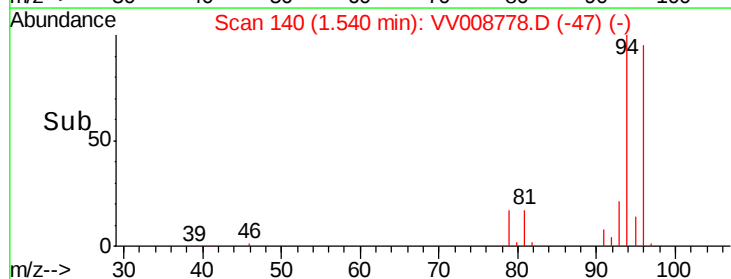
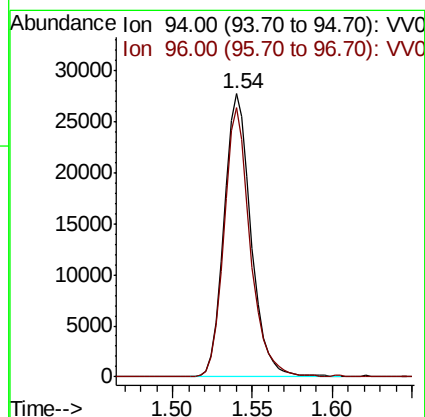
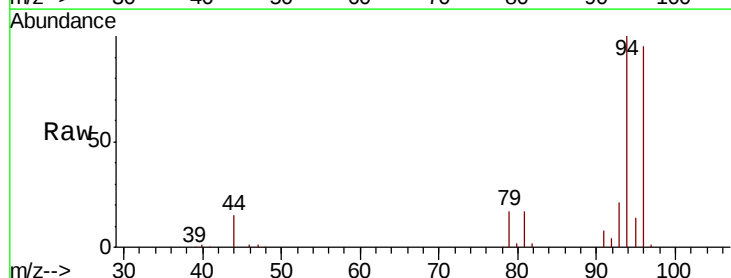
Acq: 29 Nov 2018 21:18

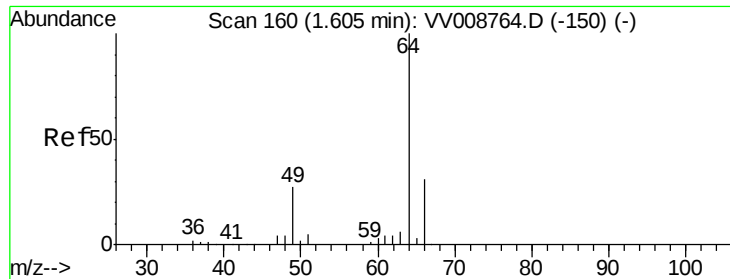
Tgt Ion: 94 Resp: 32100

Ion Ratio Lower Upper

94 100

96 95.3 67.0 124.4





#8

Chloroethane

Concen: 4.642 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

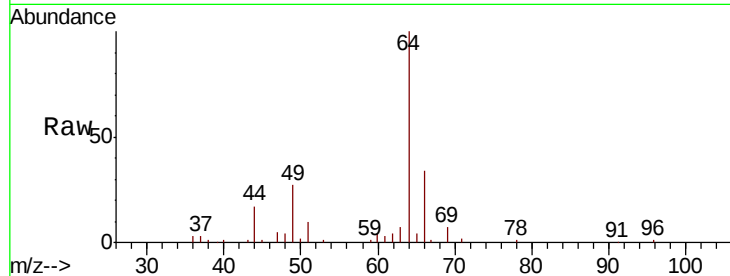
VSTD00570

Tgt Ion: 64 Resp: 27056

Ion Ratio Lower Upper

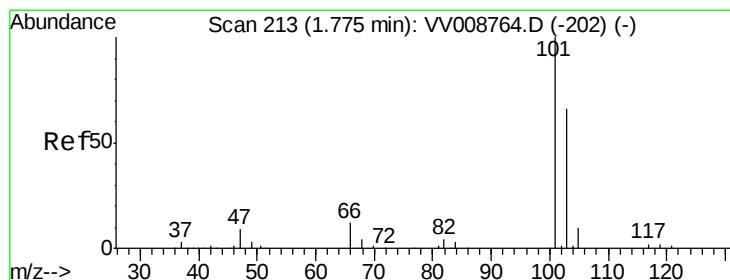
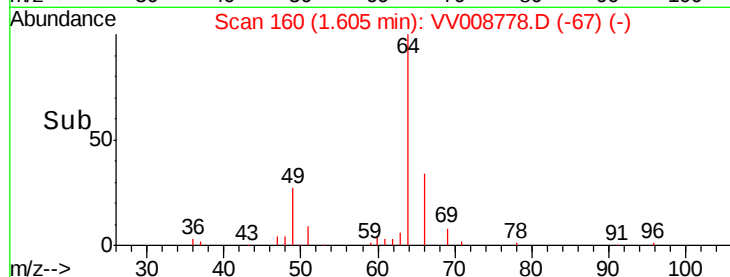
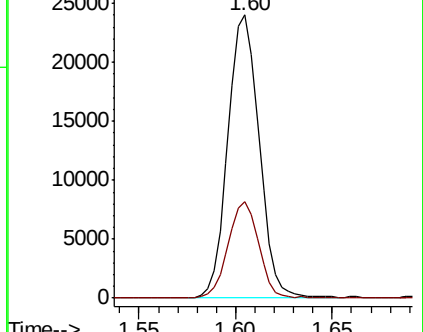
64 100

66 34.0 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV008778.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008778.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 5.185 ug/L

RT: 1.78 min Scan# 213

Delta R.T. -0.00 min

Lab File: VV008778.D

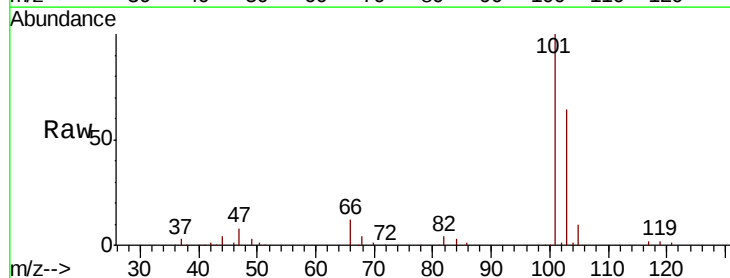
Acq: 29 Nov 2018 21:18

Tgt Ion: 101 Resp: 78855

Ion Ratio Lower Upper

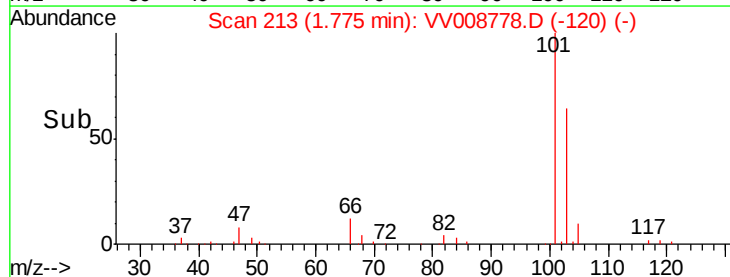
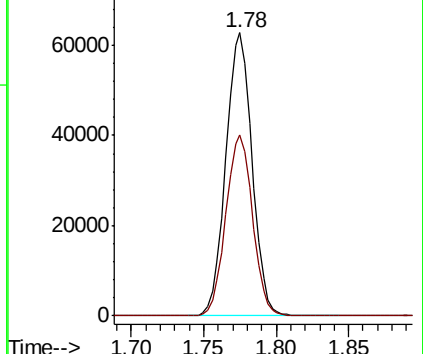
101 100

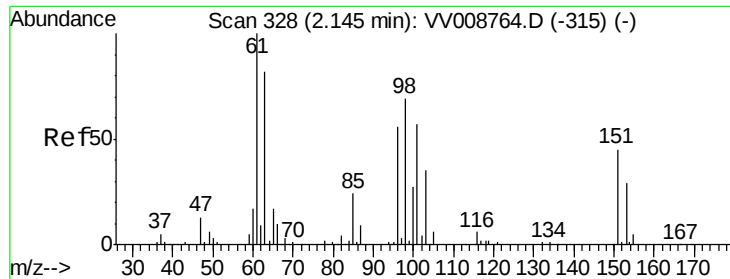
103 64.9 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV008778.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008778.D (-202) (-)





#10

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

Concen: 4.925 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

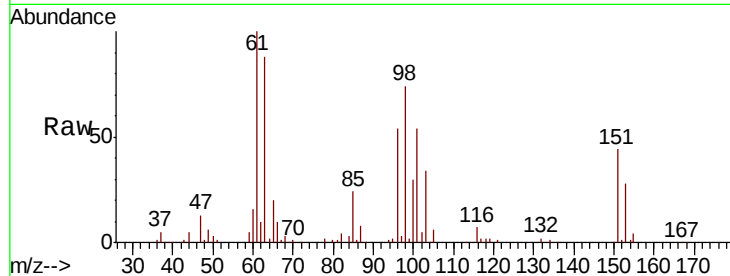
Tgt Ion:101 Resp: 42855

Ion Ratio Lower Upper

101 100

85 43.5 33.1 49.7

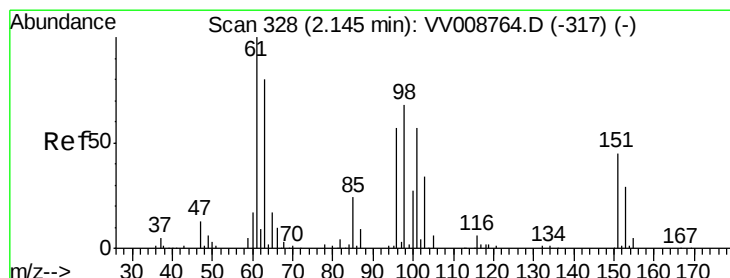
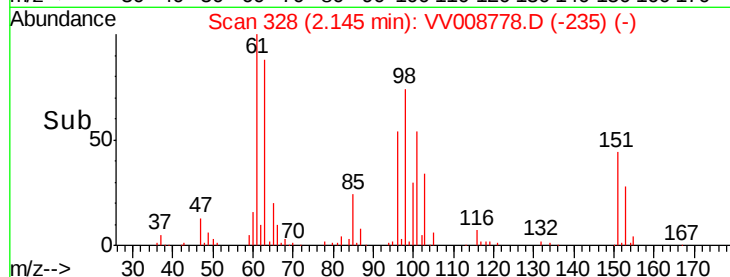
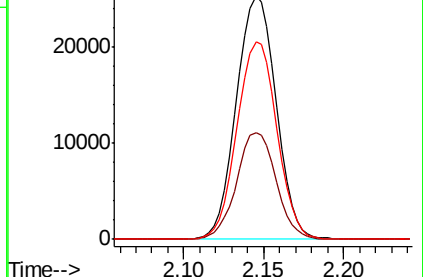
151 81.4 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008778.D (-235) (-)

Ion 85.00 (84.70 to 85.70): VV008778.D (-235) (-)

Ion 151.00 (150.70 to 151.70): VV008778.D (-235) (-)



#12

1,1-Dichloroethene

Concen: 4.963 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

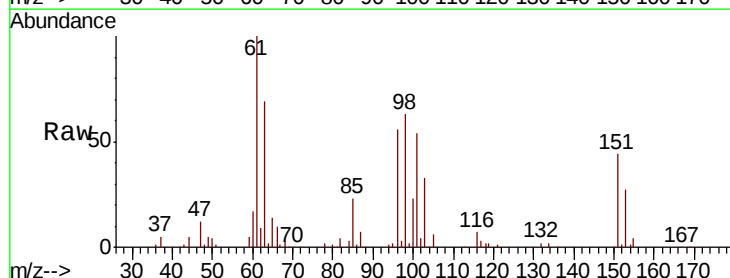
Tgt Ion: 96 Resp: 37704

Ion Ratio Lower Upper

96 100

61 179.2 124.3 230.8

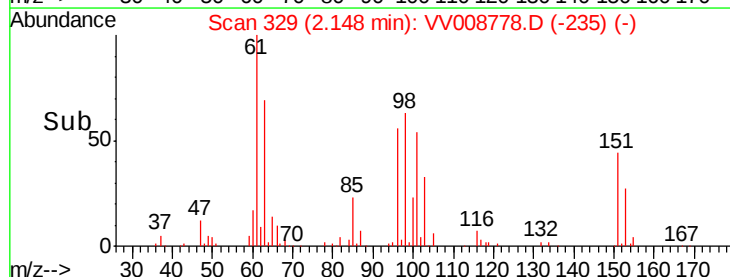
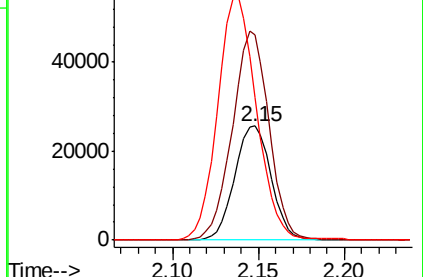
63 124.2 102.6 190.5

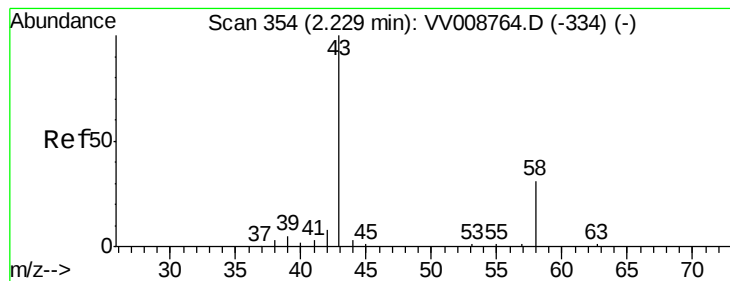


Abundance Ion 96.00 (95.70 to 96.70): VV008778.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV008778.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV008778.D (-235) (-)





#13

Acetone

Concen: 46.406 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

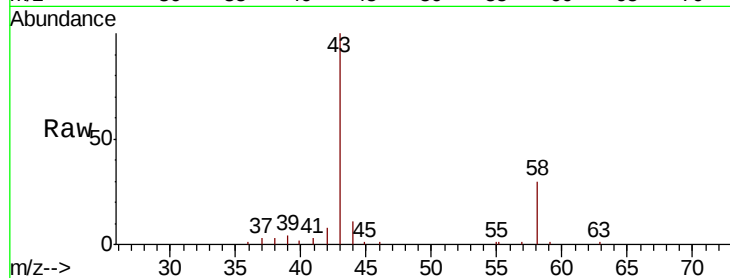
VSTD00570

Tgt Ion: 43 Resp: 55361

Ion Ratio Lower Upper

43 100

58 30.0 0.0 59.8

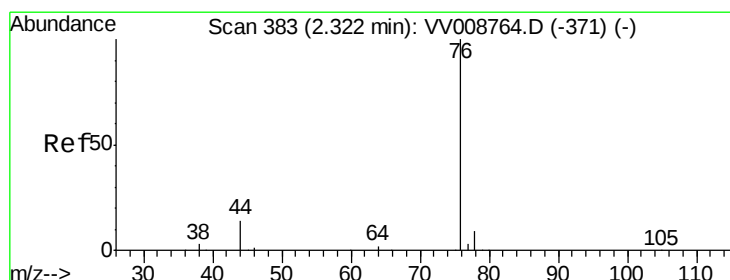
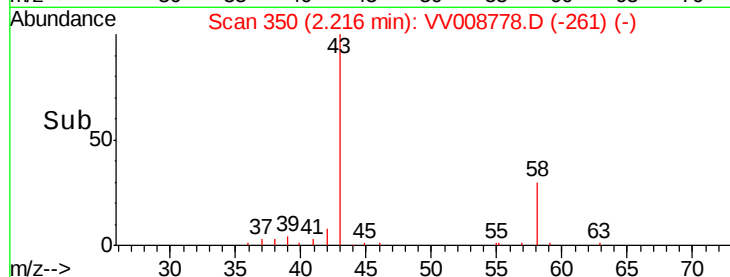


Abundance Ion 43.05 (42.75 to 43.75): VV008764.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV008764.D (-334) (-)

2.22

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.026 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV008778.D

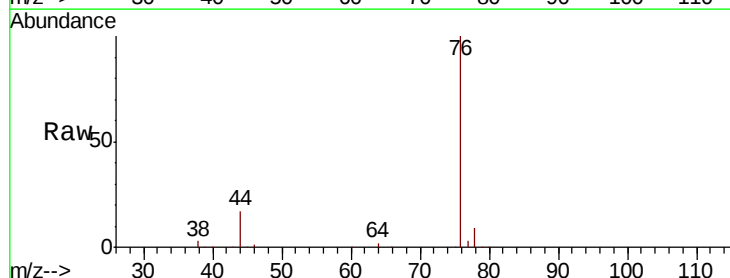
Acq: 29 Nov 2018 21:18

Tgt Ion: 76 Resp: 110821

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

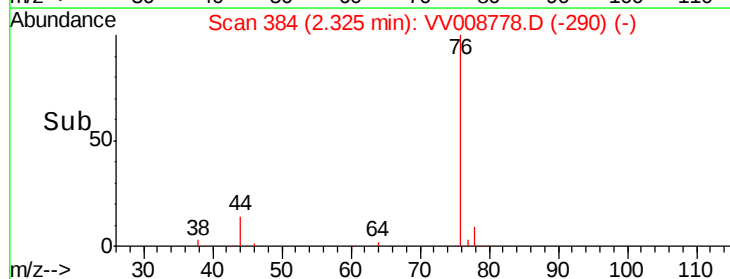


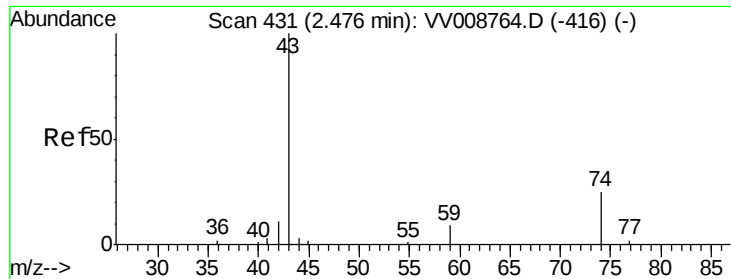
Abundance Ion 76.05 (75.75 to 76.75): VV008764.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008764.D (-371) (-)

2.32

Time--> 2.25 2.30 2.35 2.40 2.45

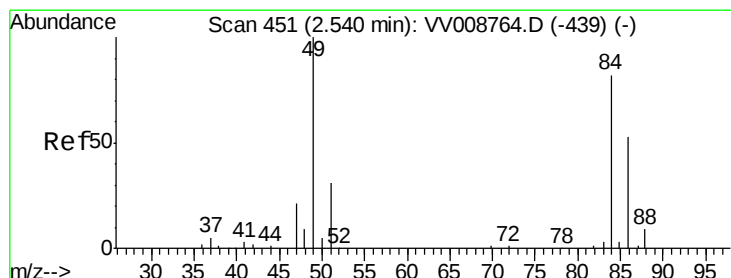
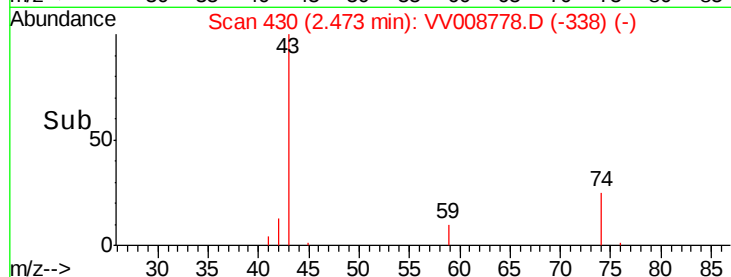
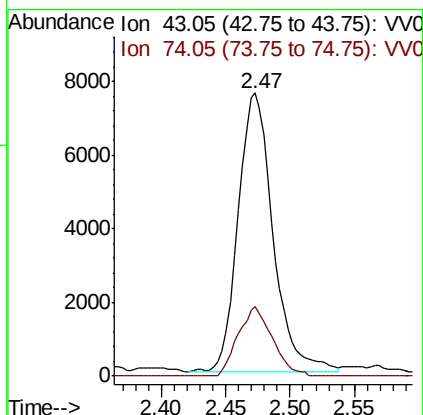
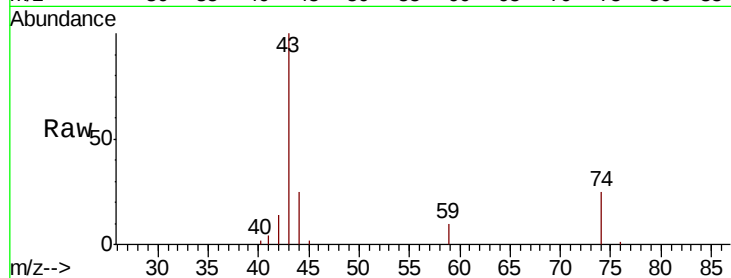




#15
Methyl Acetate
Concen: 4.503 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

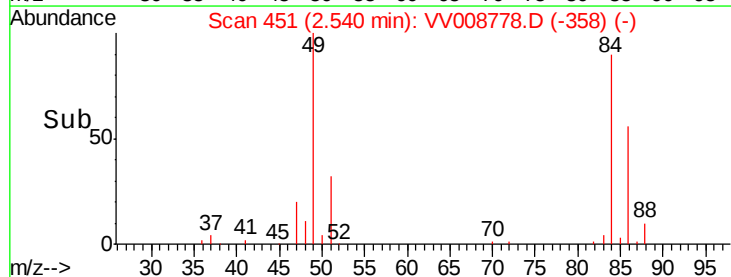
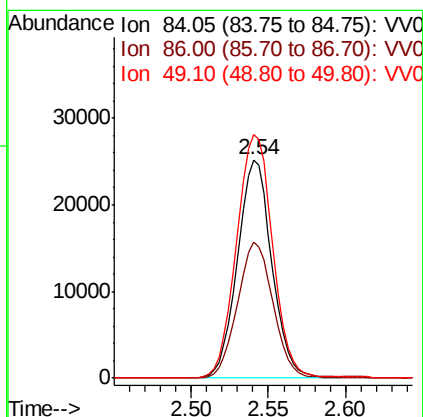
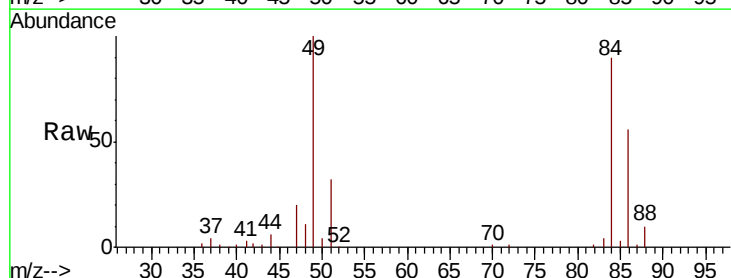
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

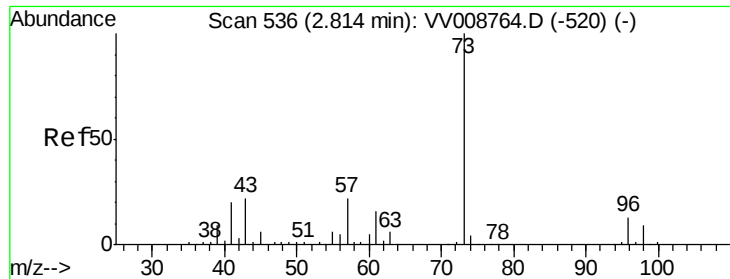
Tgt Ion: 43 Resp: 14376
Ion Ratio Lower Upper
43 100
74 24.2 20.0 30.0



#16
Methylene chloride
Concen: 4.554 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 84 Resp: 39015
Ion Ratio Lower Upper
84 100
86 62.2 45.8 85.2
49 111.6 85.9 159.5

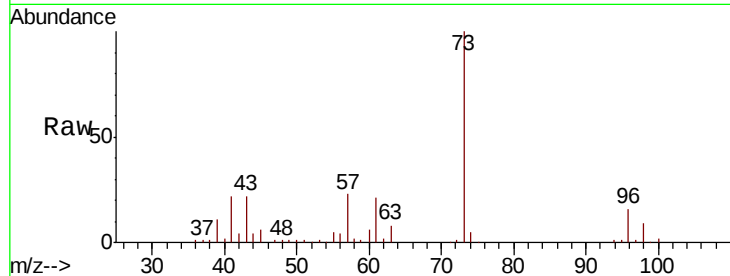




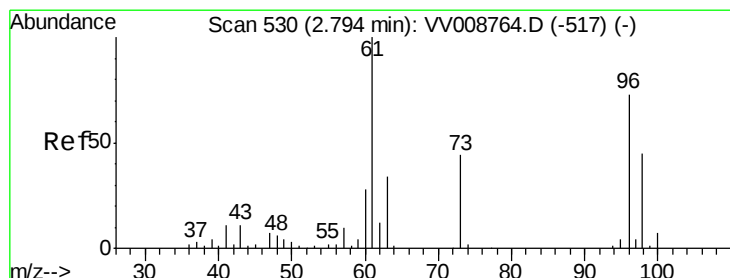
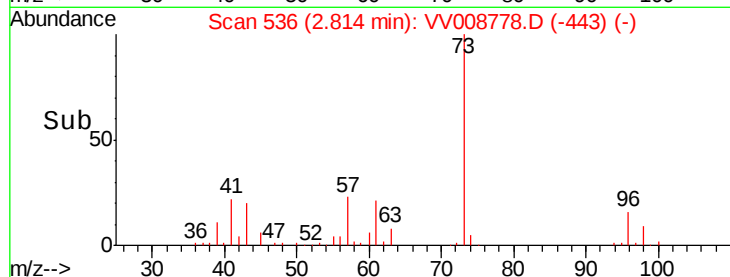
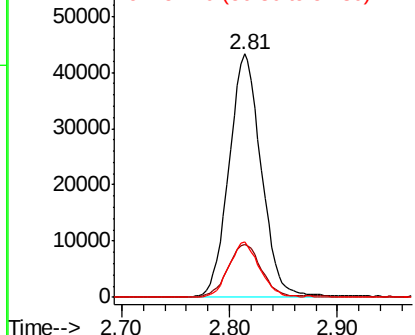
#17
Methyl tert-butyl Ether
Concen: 4.838 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion: 73 Resp: 90514
Ion Ratio Lower Upper
73 100
43 21.7 18.0 27.0
57 21.6 17.2 25.8

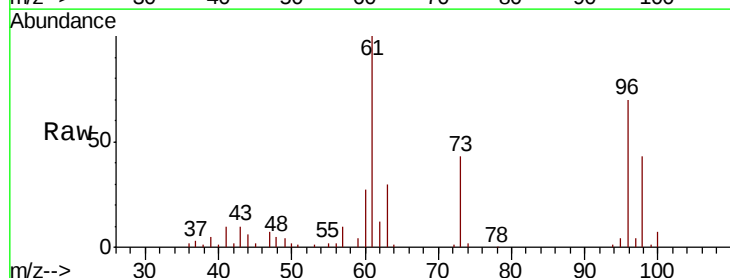


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

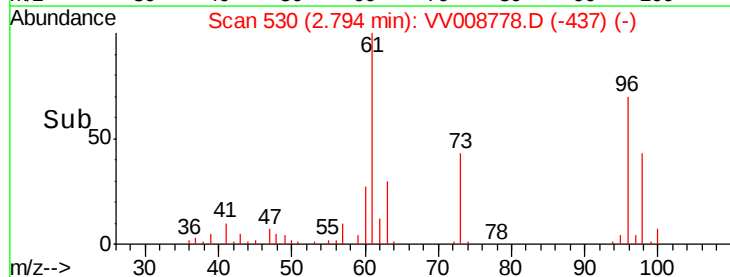
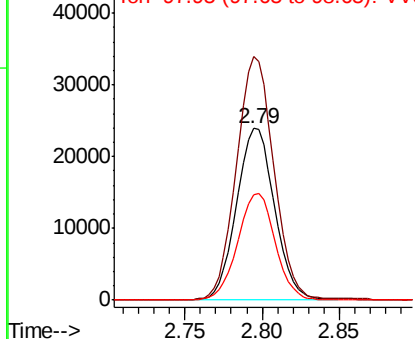


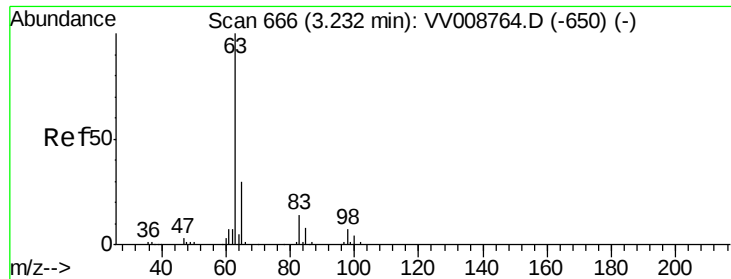
#18
trans-1,2-Dichloroethene
Concen: 4.906 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 96 Resp: 40961
Ion Ratio Lower Upper
96 100
61 141.8 95.8 177.8
98 61.7 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

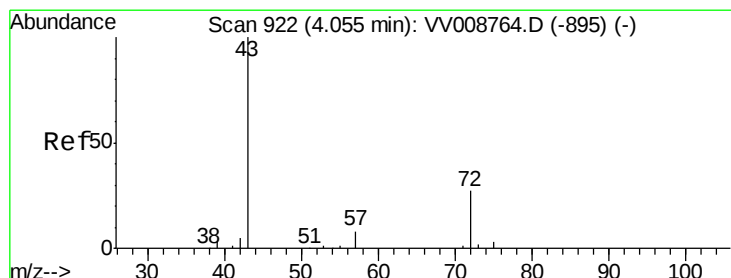
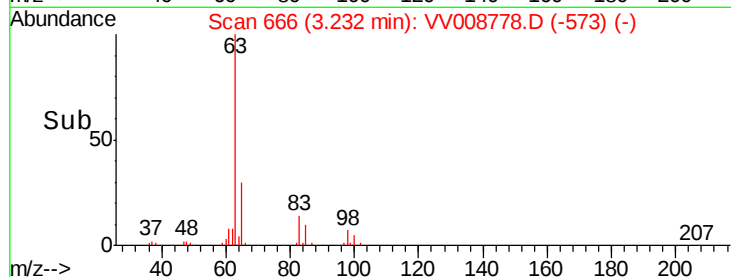
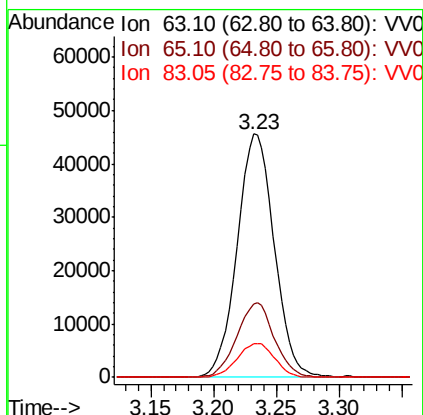
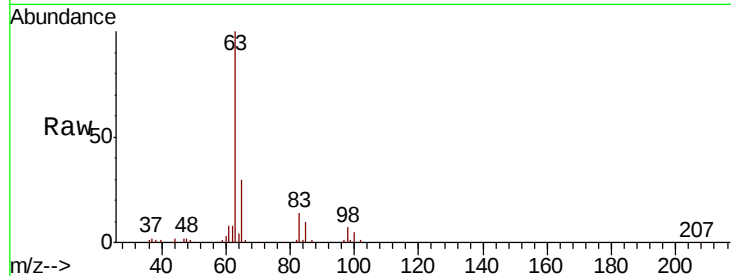




#19
 1,1-Dichloroethane
 Concen: 5.053 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

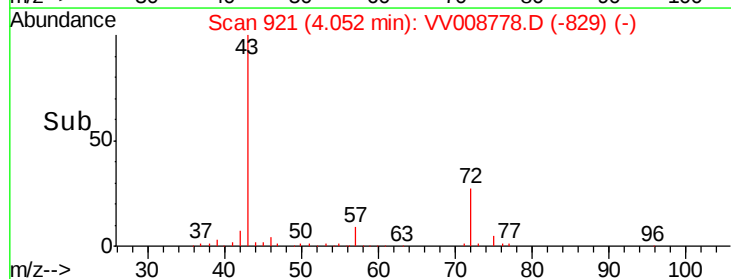
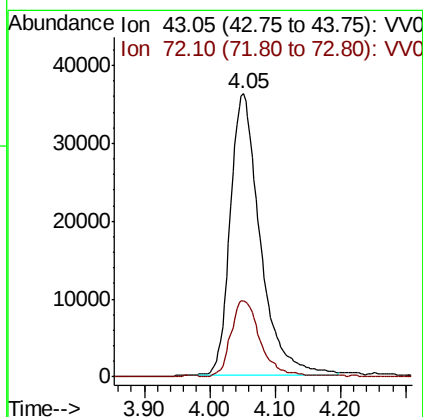
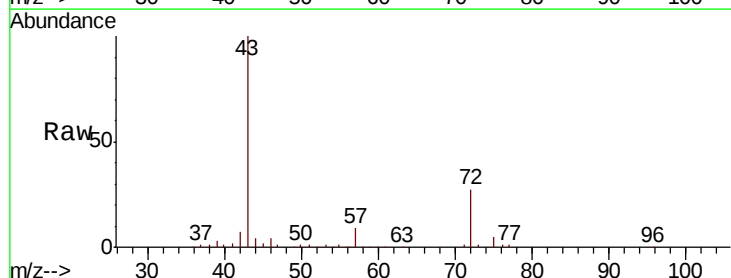
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

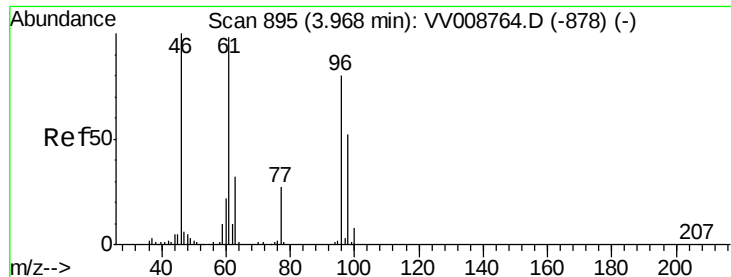
Tgt Ion: 63 Resp: 93753
 Ion Ratio Lower Upper
 63 100
 65 30.0 21.3 39.6
 83 13.6 9.9 18.5



#21
 2-Butanone
 Concen: 48.099 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion: 43 Resp: 115025
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.6 40.8



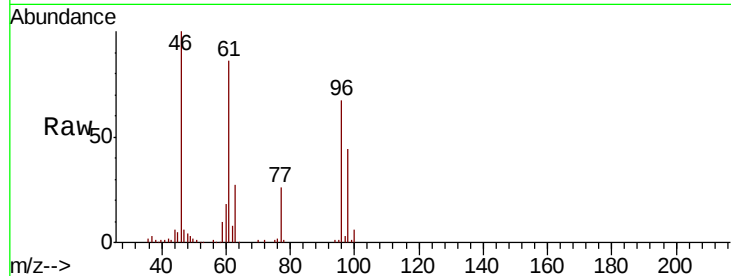


#22

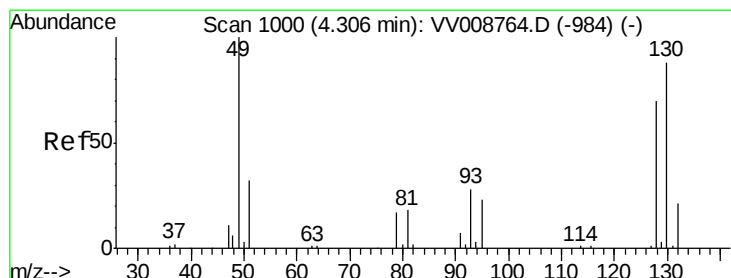
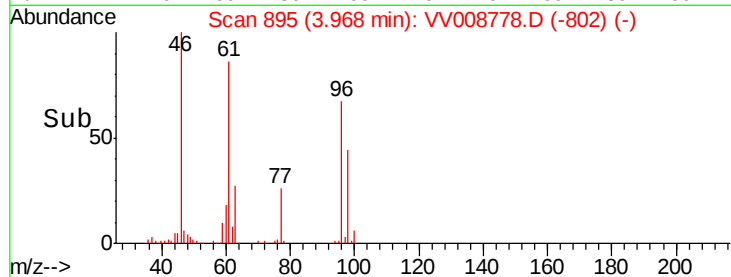
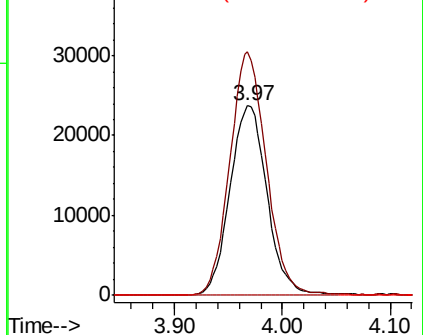
cis-1,2-Dichloroethene
 Concen: 4.857 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Tgt Ion: 96 Resp: 56970
 Ion Ratio Lower Upper
 96 100
 61 128.5 85.9 159.5
 68 0.0 0.0 0.0



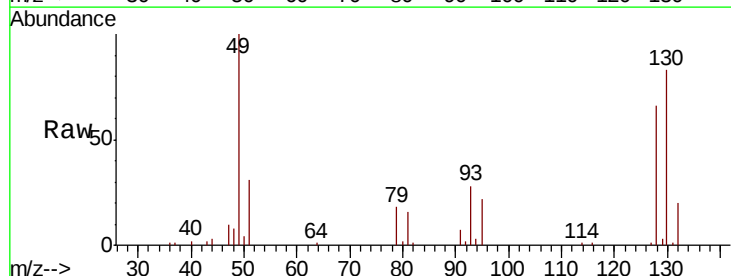
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



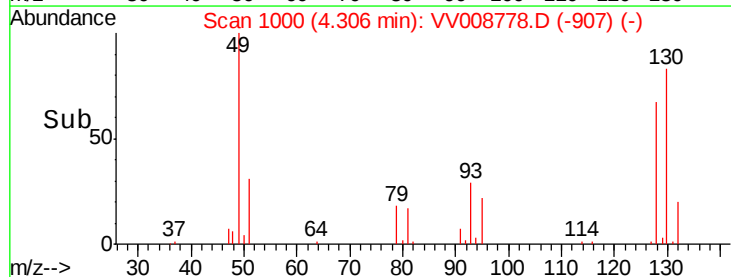
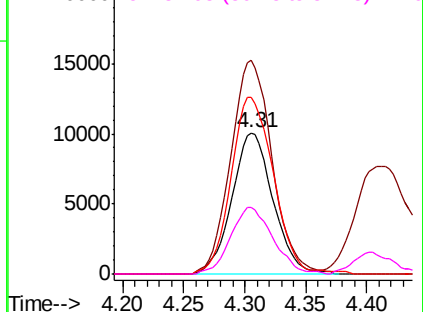
#23

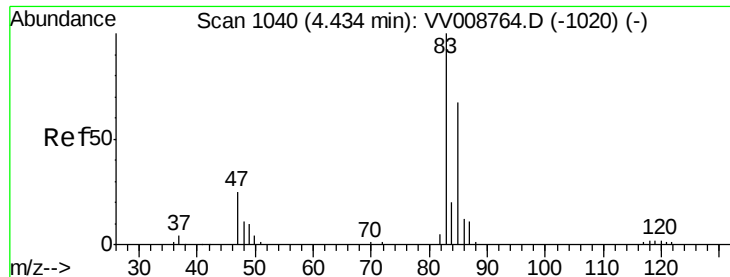
Bromochloromethane
 Concen: 4.886 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion: 128 Resp: 23515
 Ion Ratio Lower Upper
 128 100
 49 151.2 100.4 186.4
 130 125.0 88.5 164.4
 51 47.5 37.1 55.7



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

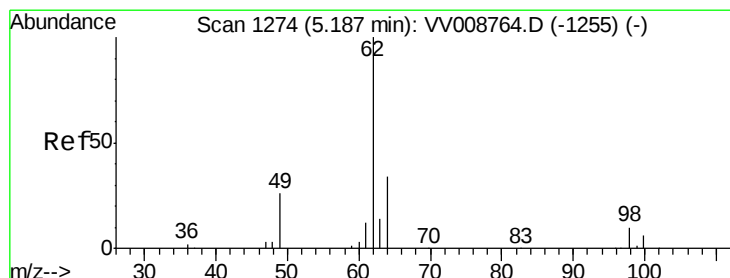
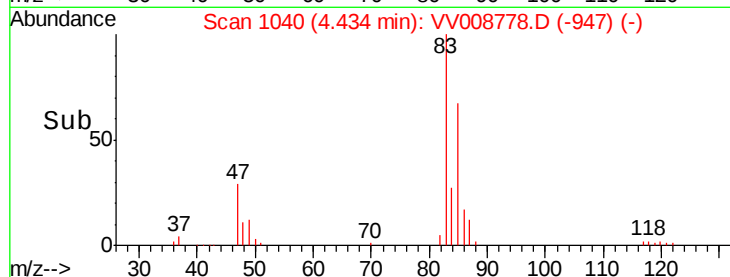
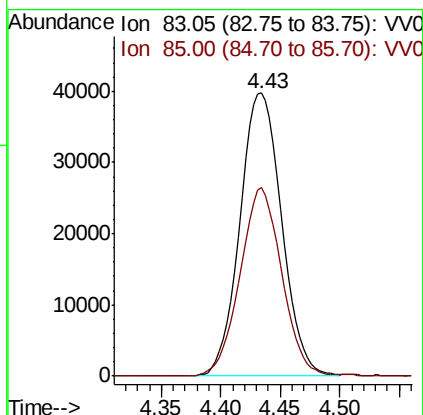
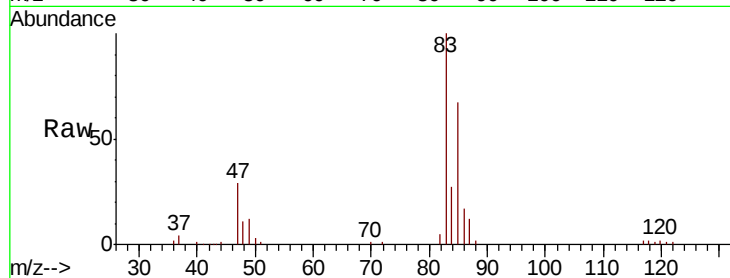




#25
Chloroform
Concen: 4.793 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

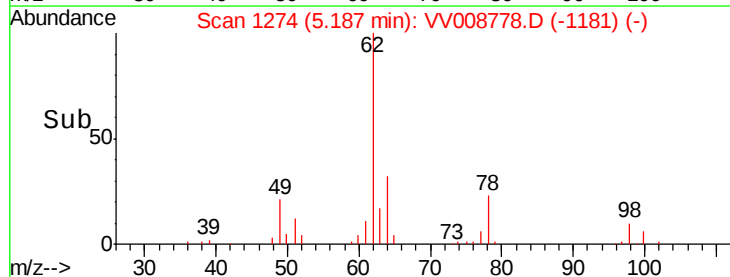
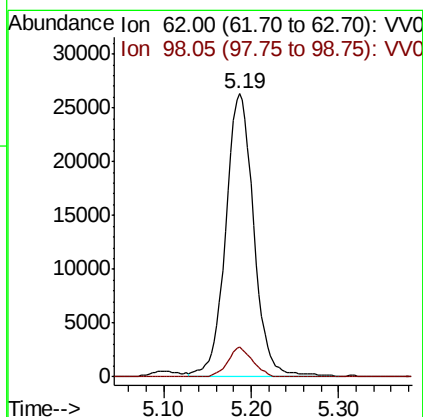
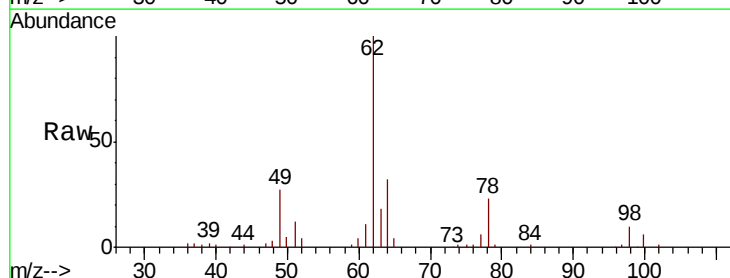
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

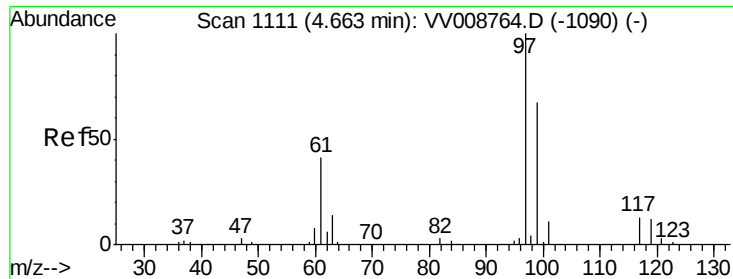
Tgt Ion: 83 Resp: 96659
Ion Ratio Lower Upper
83 100
85 66.6 47.0 87.4



#27
1,2-Dichloroethane
Concen: 5.076 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 62 Resp: 58819
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5

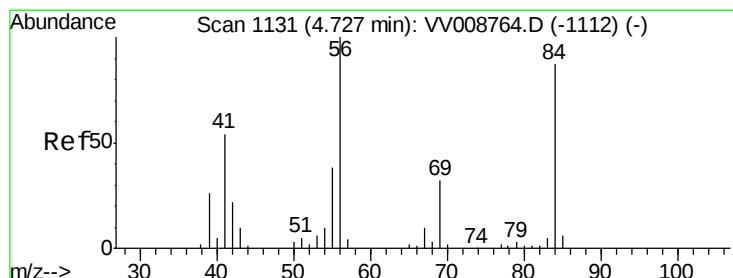
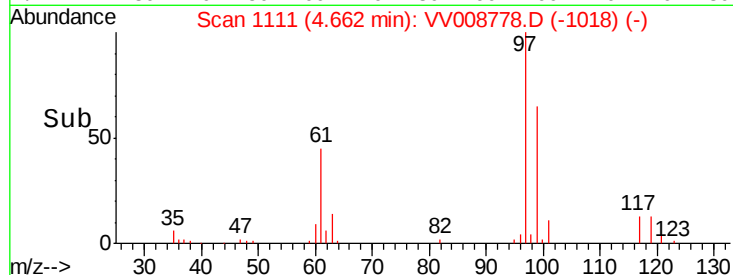
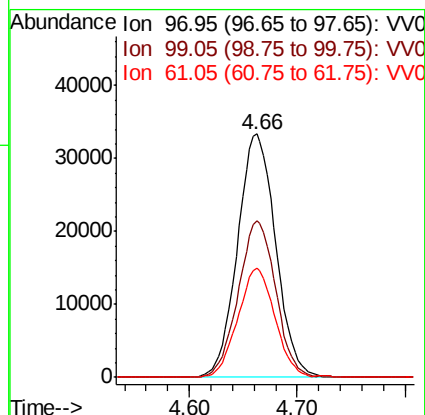
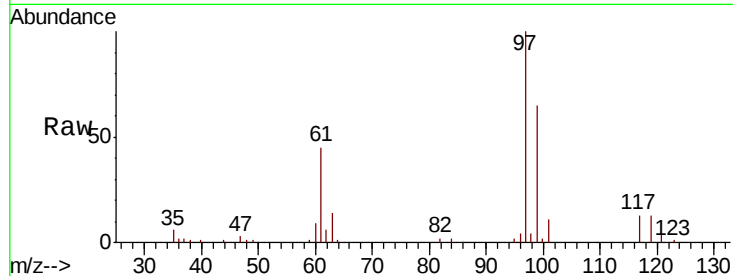




#29
 1,1,1-Trichloroethane
 Concen: 4.944 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

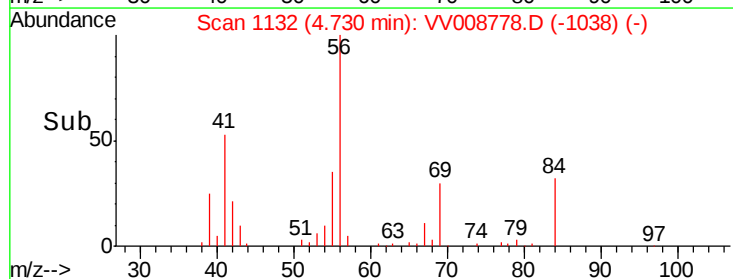
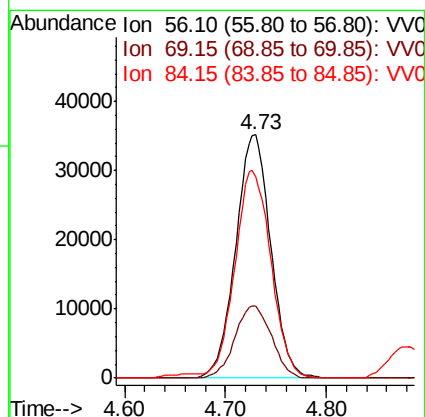
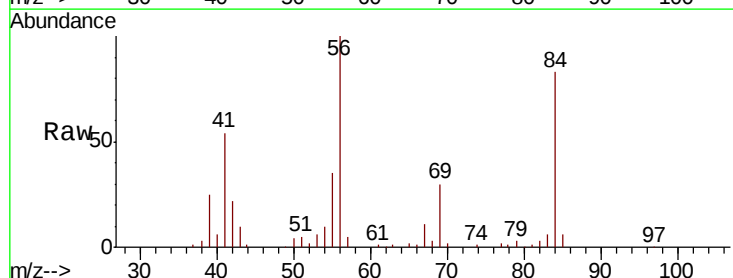
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

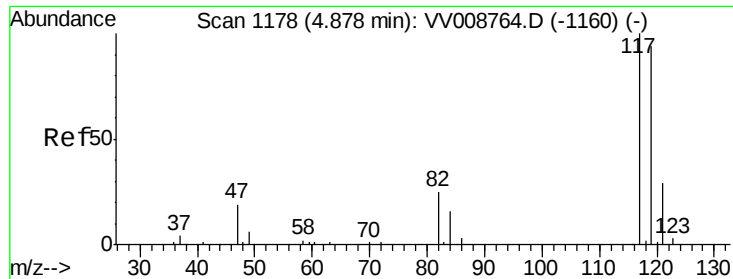
Tgt Ion: 97 Resp: 82150
 Ion Ratio Lower Upper
 97 100
 99 62.9 52.1 78.1
 61 43.4 33.9 50.9



#30
 Cyclohexane
 Concen: 4.859 ug/L
 RT: 4.73 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion: 56 Resp: 85038
 Ion Ratio Lower Upper
 56 100
 69 30.9 25.1 37.7
 84 87.7 70.8 106.2





#31

Carbon tetrachloride

Concen: 5.008 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

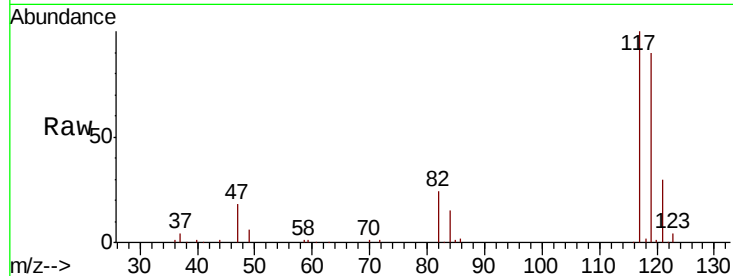
VSTD00570

Tgt Ion:117 Resp: 72031

Ion Ratio Lower Upper

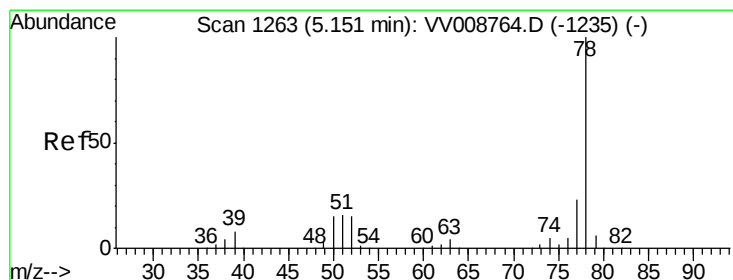
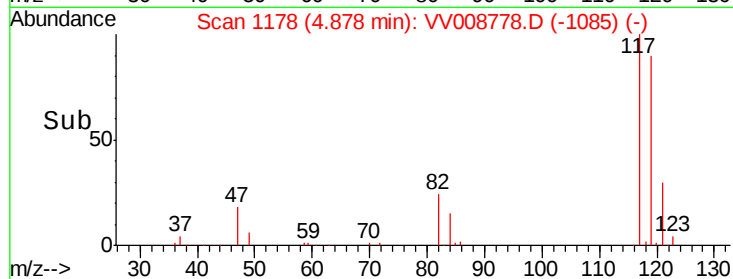
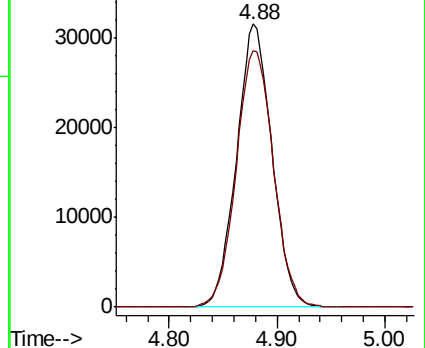
117 100

119 95.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.986 ug/L

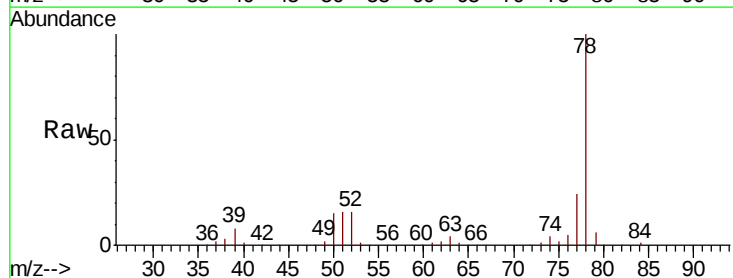
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

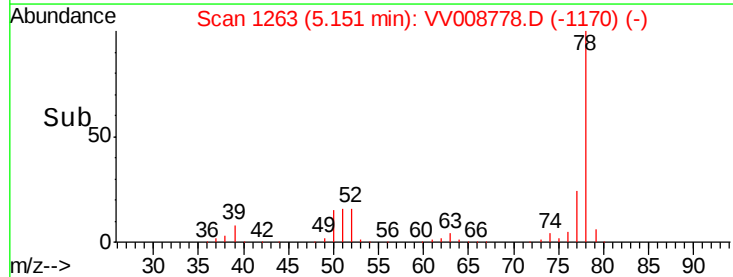
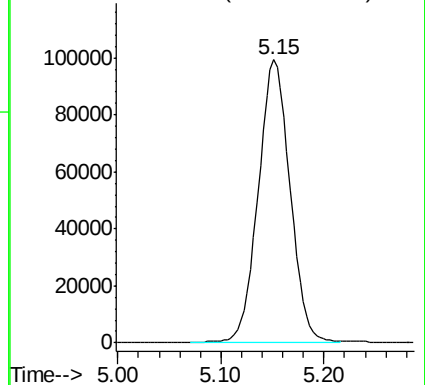
Lab File: VV008778.D

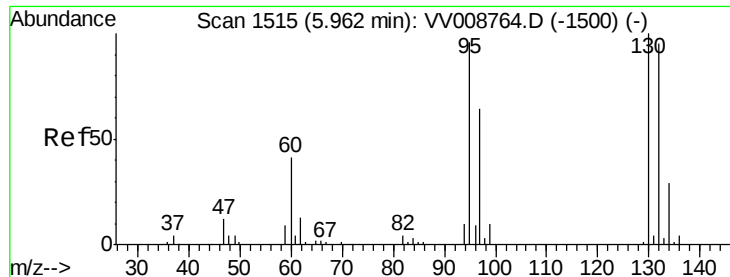
Acq: 29 Nov 2018 21:18

Tgt Ion: 78 Resp: 212845



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.891 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

Tgt Ion: 95 Resp: 58059

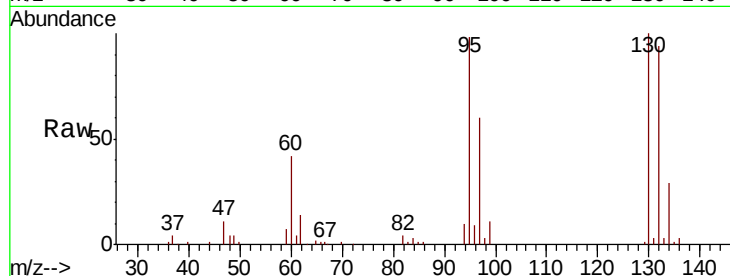
Ion Ratio Lower Upper

95 100

97 61.6 46.5 86.3

132 95.6 69.4 128.8

130 102.0 73.1 135.8



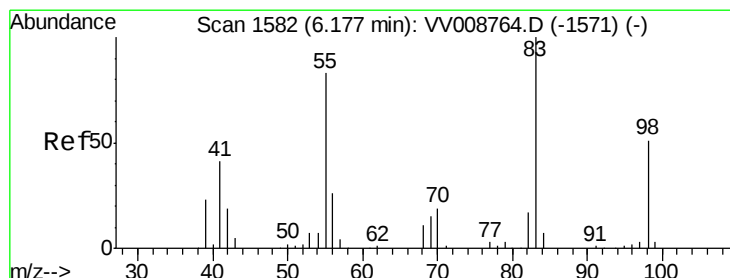
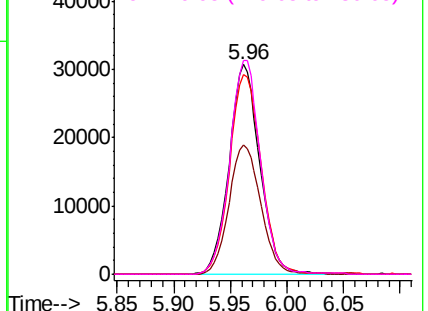
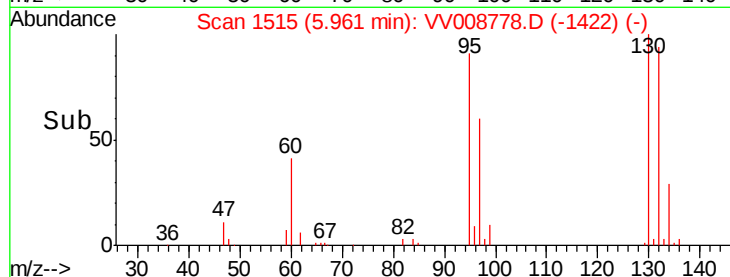
Abundance

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: 4.872 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

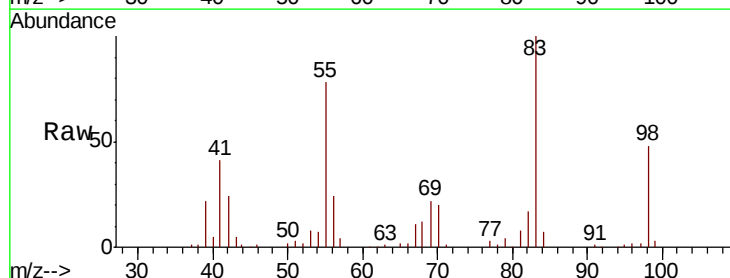
Tgt Ion: 83 Resp: 91716

Ion Ratio Lower Upper

83 100

55 76.0 60.1 90.1

98 47.0 37.4 56.2

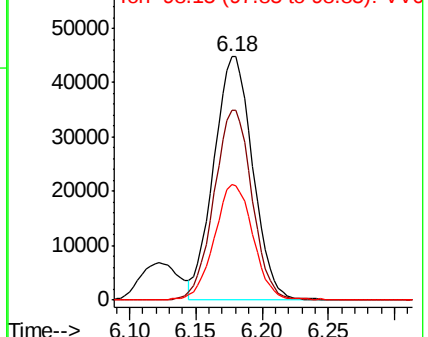
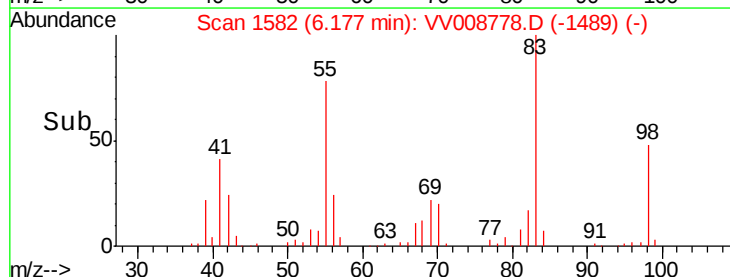


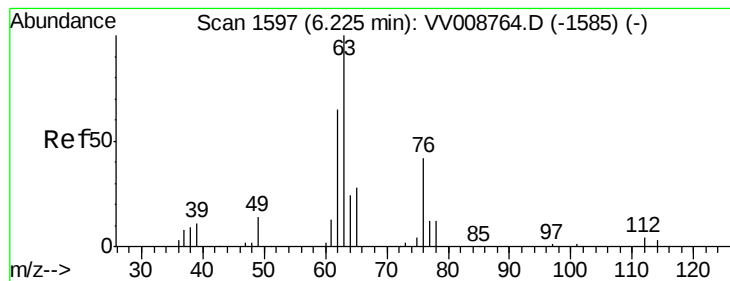
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.992 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

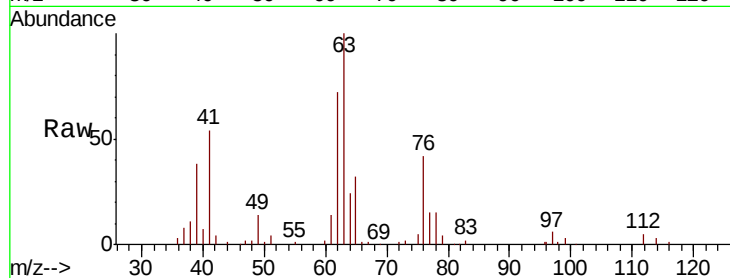
VSTD00570

Tgt Ion: 63 Resp: 52978

Ion Ratio Lower Upper

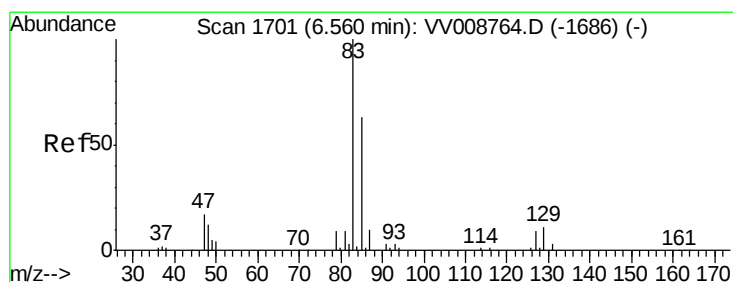
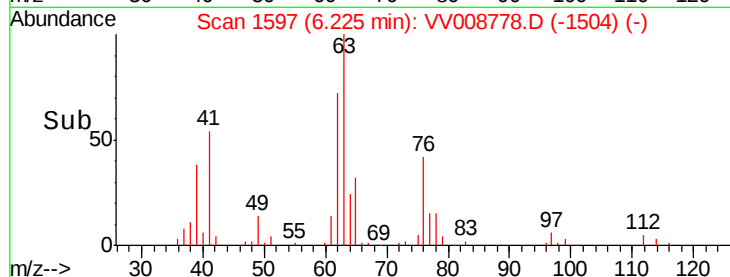
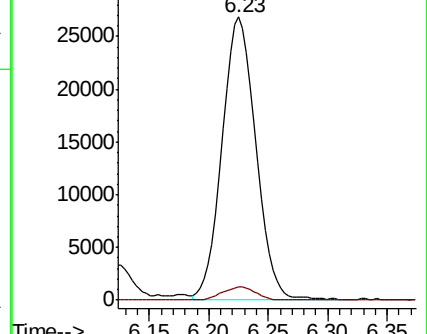
63 100

112 4.5 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV008764.D (-1585) (-)

Ion 112.10 (111.80 to 112.80): VV008764.D (-1585) (-)



#38

Bromodichloromethane

Concen: 4.869 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

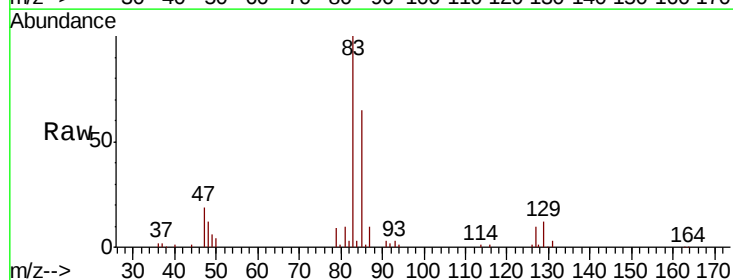
Tgt Ion: 83 Resp: 59007

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4

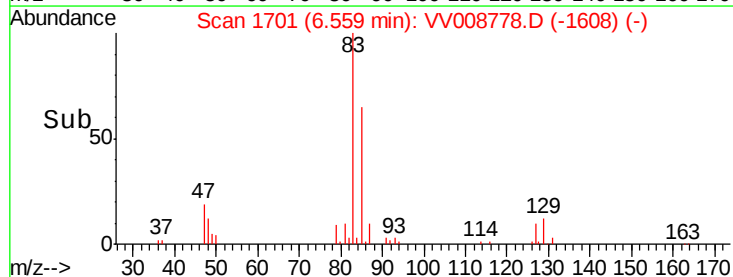
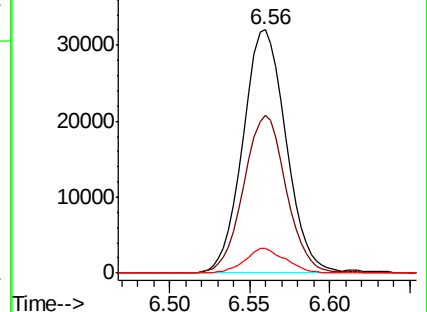
127 10.2 6.9 10.3

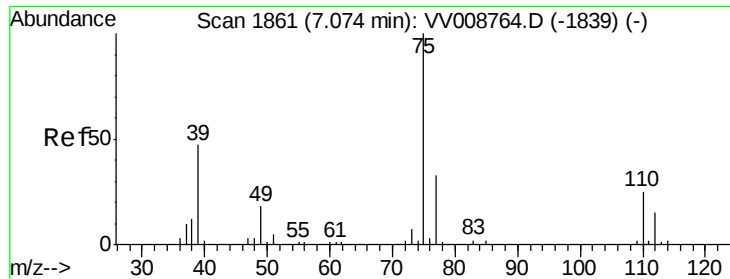


Abundance Ion 82.95 (82.65 to 83.65): VV008764.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008764.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV008764.D (-1686) (-)

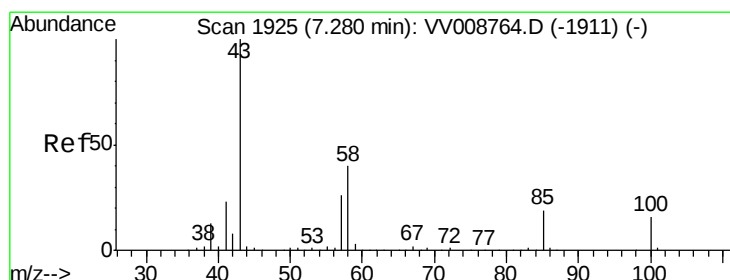
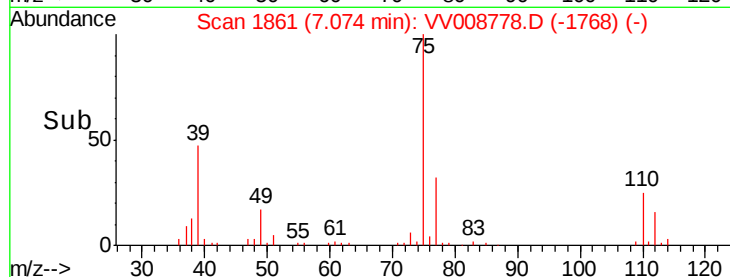
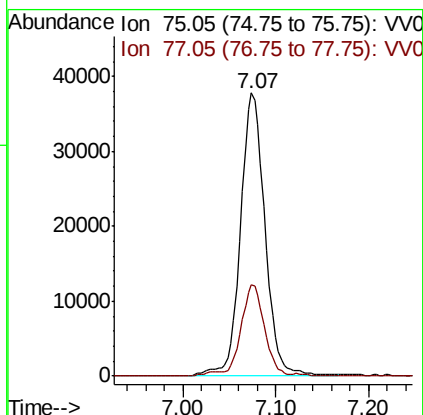
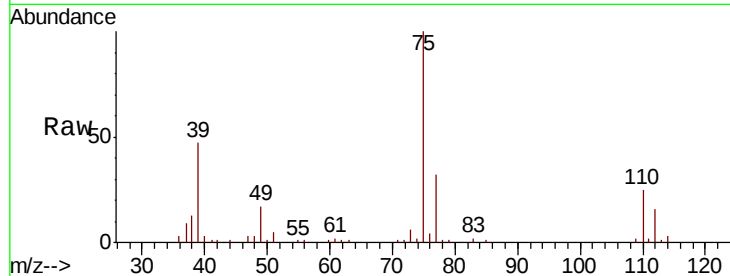




#39
 cis-1,3-Dichloropropene
 Concen: 4.998 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

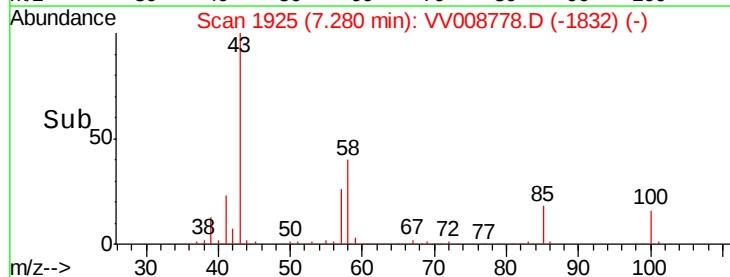
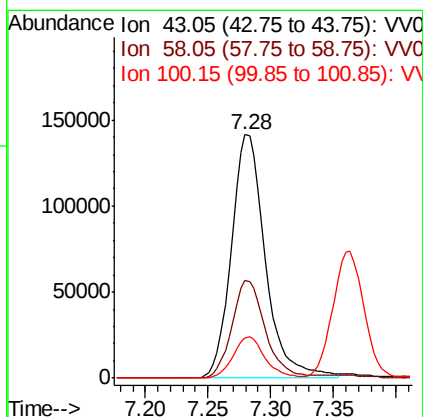
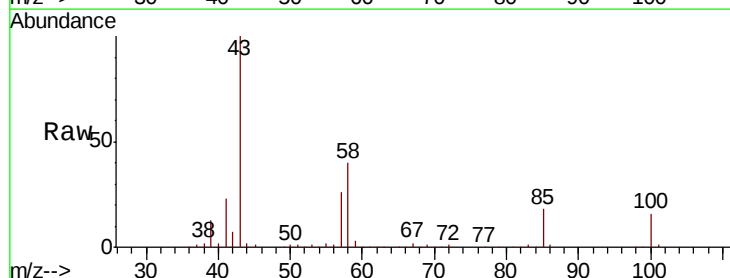
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

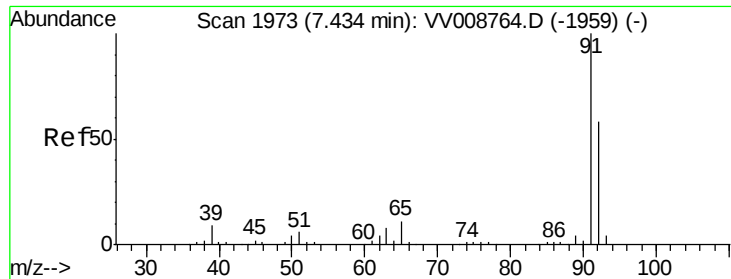
Tgt Ion: 75 Resp: 69663
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 48.508 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion: 43 Resp: 266437
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.3 46.9
 100 16.0 12.6 19.0





#42

Toluene

Concen: 5.068 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

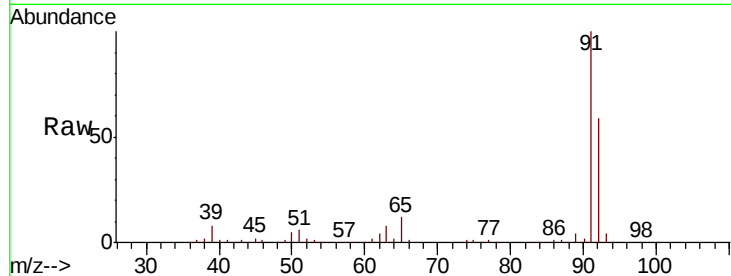
VSTD00570

Tgt Ion: 91 Resp: 226455

Ion Ratio Lower Upper

91 100

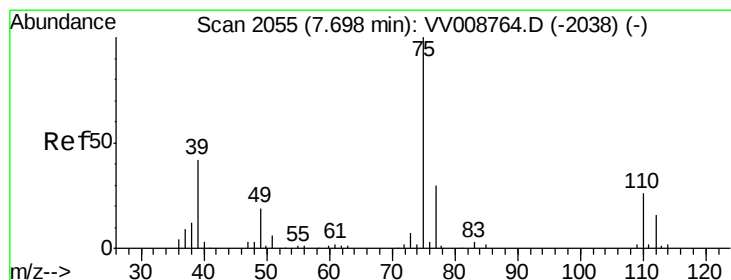
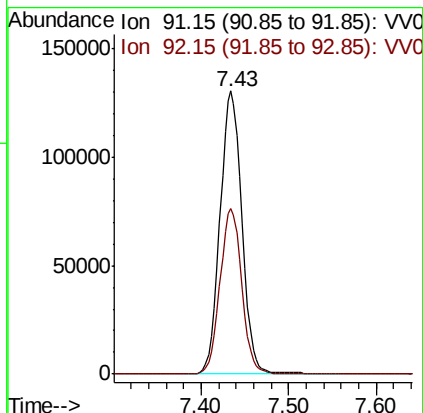
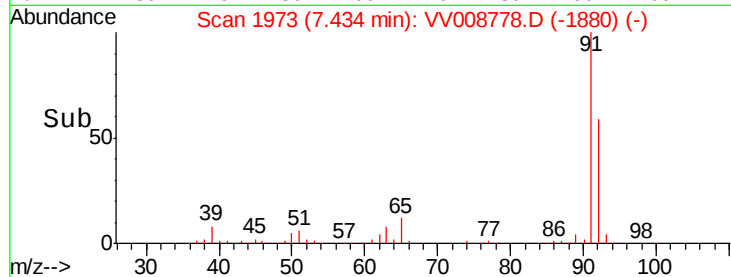
92 58.7 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV008764.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008778.D (-1880) (-)

7.43



#44

trans-1,3-Dichloropropene

Concen: 4.886 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008778.D

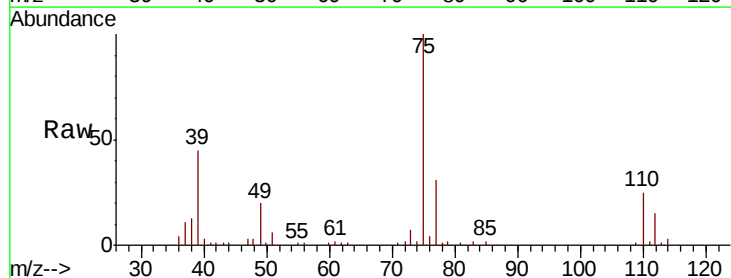
Acq: 29 Nov 2018 21:18

Tgt Ion: 75 Resp: 53680

Ion Ratio Lower Upper

75 100

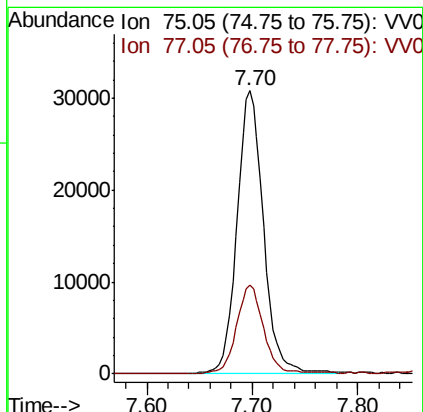
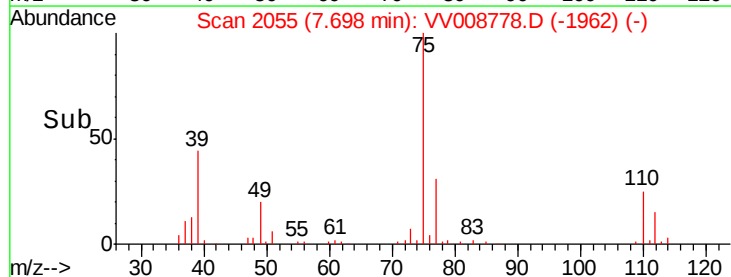
77 31.4 21.3 39.5

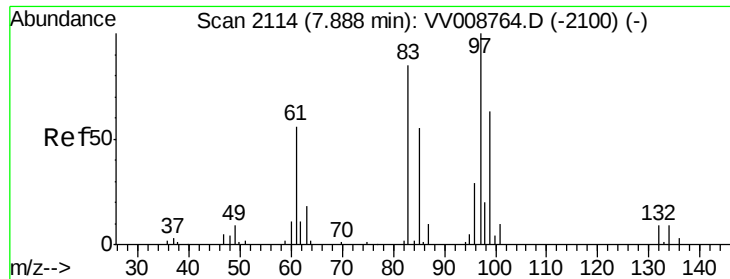


Abundance Ion 75.05 (74.75 to 75.75): VV008764.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008778.D (-1962) (-)

7.70

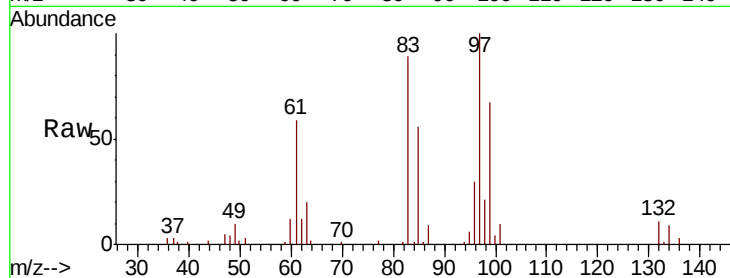




#45
 1,1,2-Trichloroethane
 Concen: 4.937 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Tgt Ion:	97	Resp:	34759
Ion	Ratio	Lower	Upper
97	100		
99	67.1	44.2	82.2
83	89.2	59.6	110.6
85	55.6	38.8	72.0



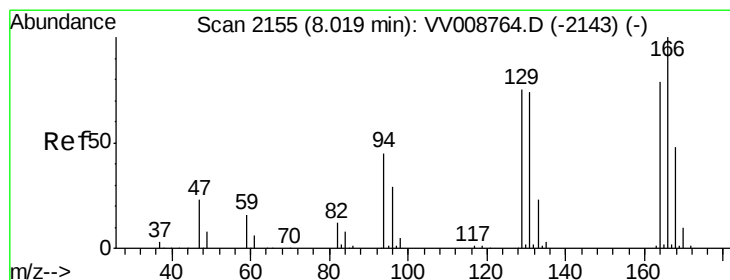
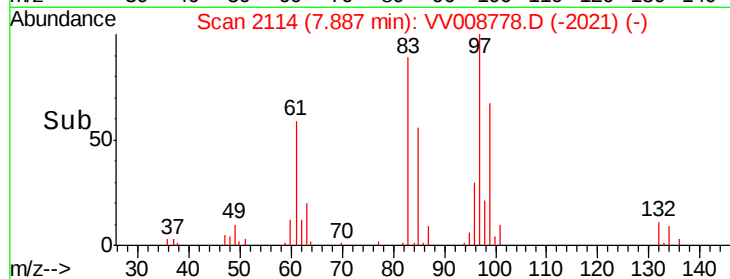
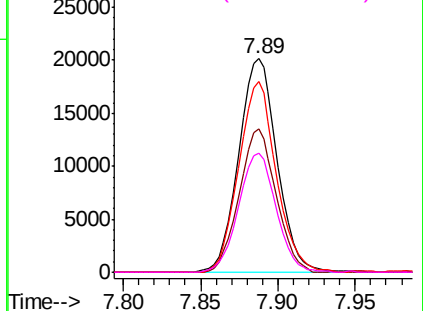
Abundance

Ion 96.95 (96.65 to 97.65): VV008778.D (-2021) (-)

Ion 99.05 (98.75 to 99.75): VV008778.D (-2021) (-)

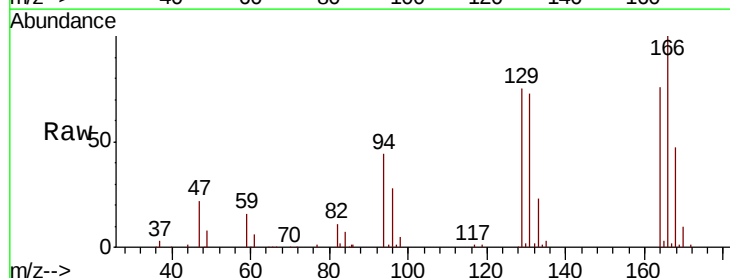
Ion 82.95 (82.65 to 83.65): VV008778.D (-2021) (-)

Ion 85.00 (84.70 to 85.70): VV008778.D (-2021) (-)



#47
 Tetrachloroethene
 Concen: 4.964 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion:	164	Resp:	45569
Ion	Ratio	Lower	Upper
164	100		
129	98.7	67.5	125.3
131	95.6	65.9	122.5
166	131.2	89.2	165.6



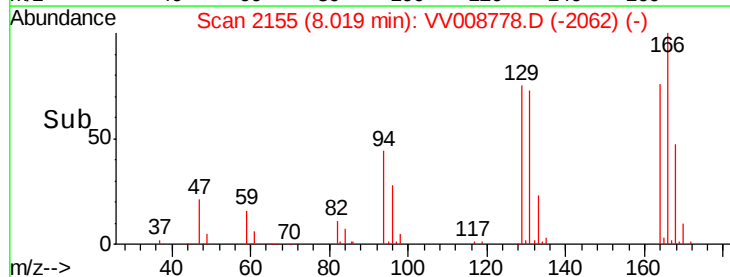
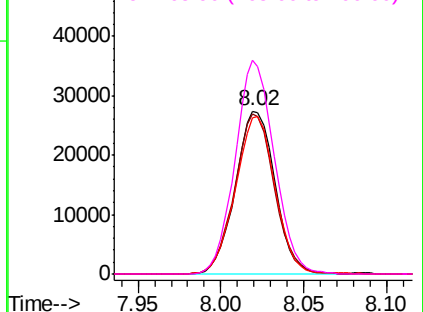
Abundance

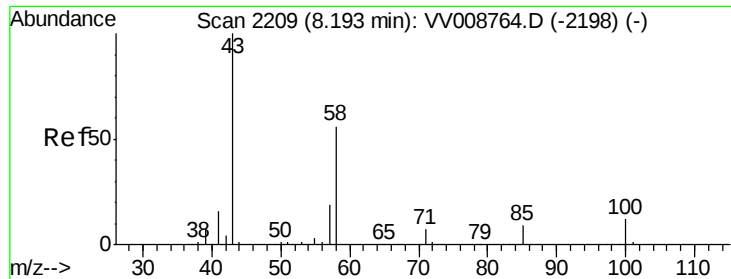
Ion 163.90 (163.60 to 164.60): VV008778.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV008778.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV008778.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV008778.D (-2062) (-)

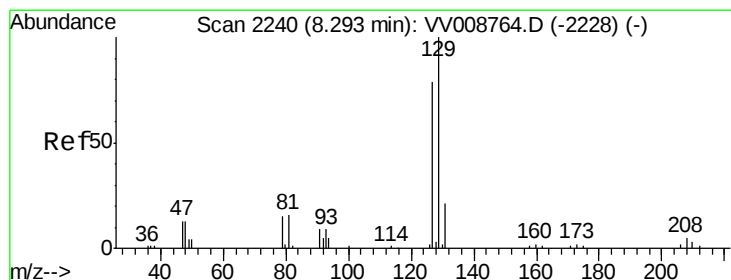
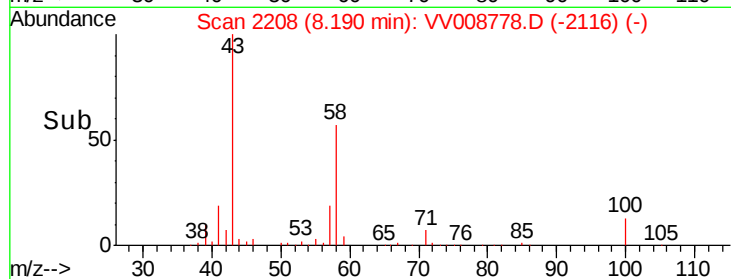
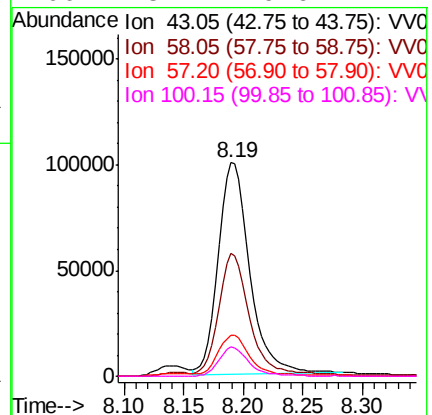
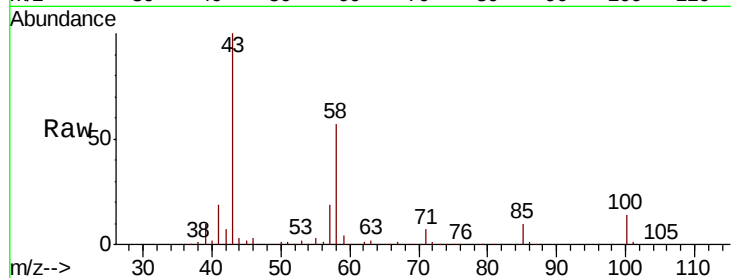




#48
2-Hexanone
Concen: 48.189 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

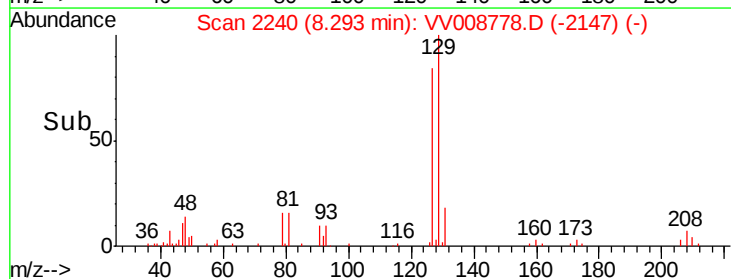
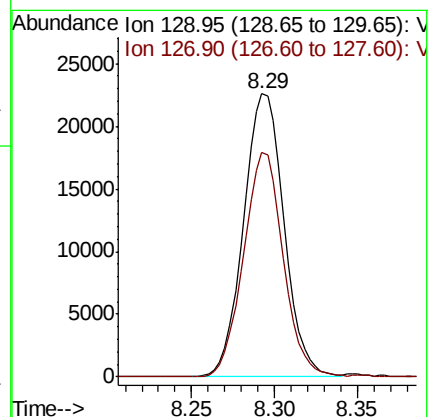
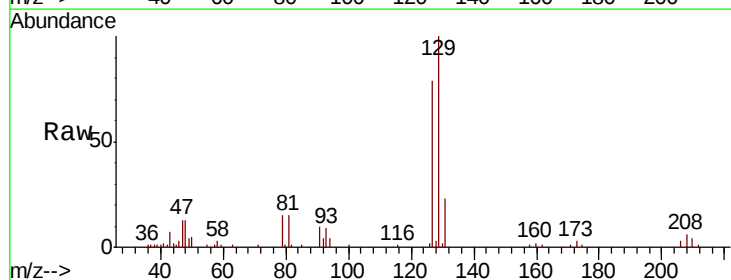
Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

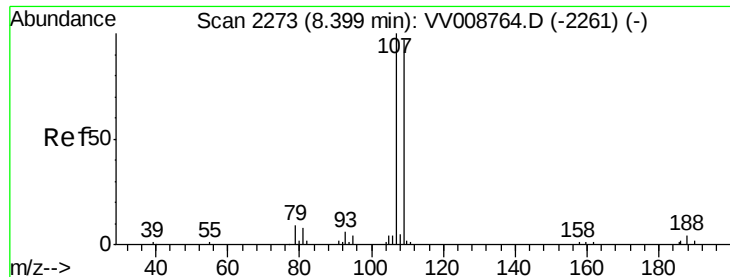
Tgt Ion: 43 Resp: 185817
Ion Ratio Lower Upper
43 100
58 56.7 44.5 66.7
57 19.0 15.2 22.8
100 13.2 9.6 14.4



#49
Dibromochloromethane
Concen: 5.016 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 129 Resp: 38456
Ion Ratio Lower Upper
129 100
127 79.4 55.3 102.7

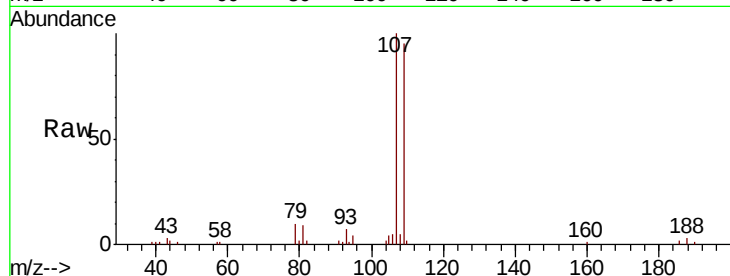




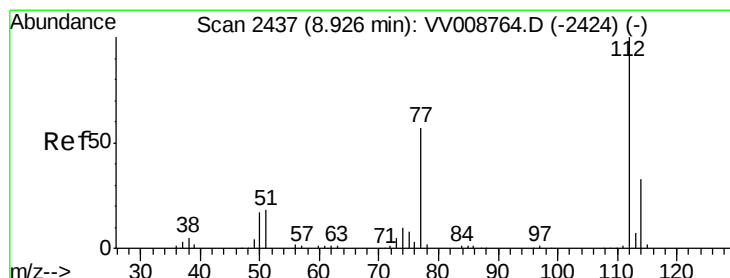
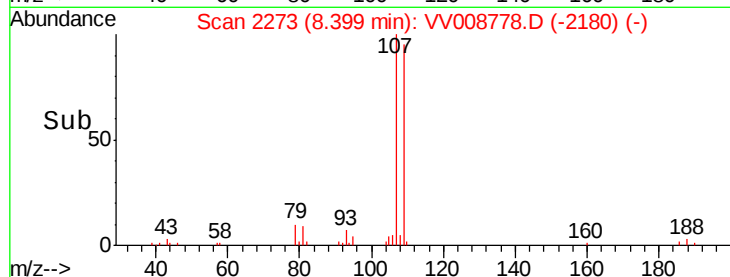
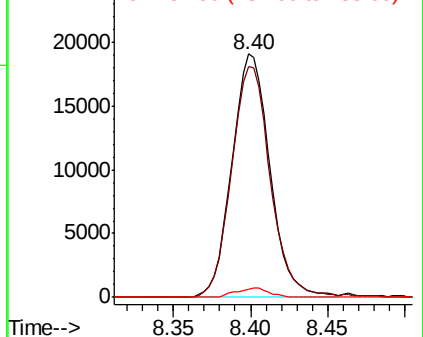
#50
1,2-Dibromoethane
Concen: 4.932 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion:107 Resp: 32591
Ion Ratio Lower Upper
107 100
109 94.9 67.8 126.0
188 3.5 3.1 4.7

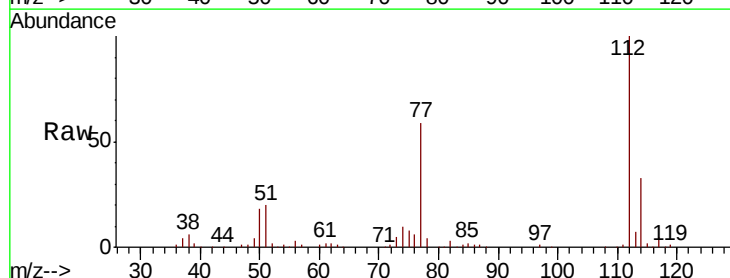


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

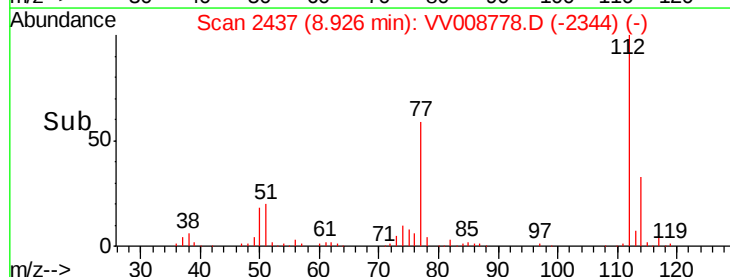
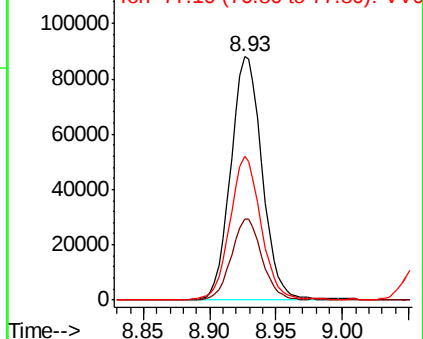


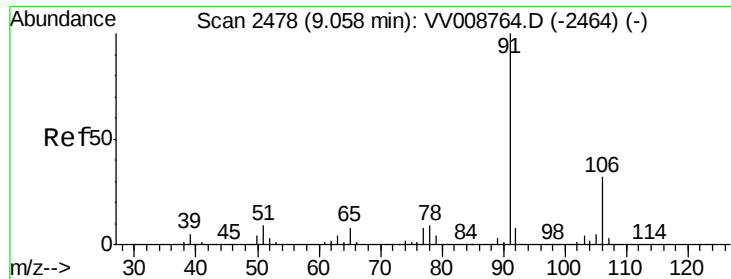
#51
Chlorobenzene
Concen: 4.935 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:112 Resp: 145158
Ion Ratio Lower Upper
112 100
114 33.2 22.8 42.4
77 58.8 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: 5.005 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

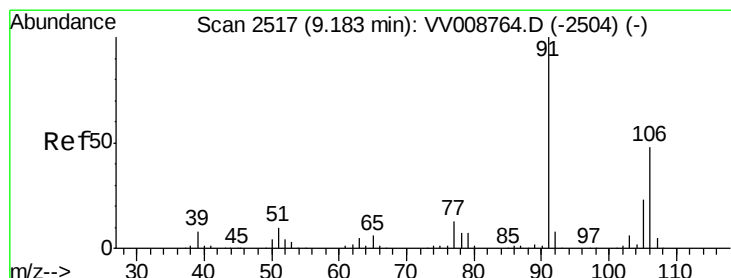
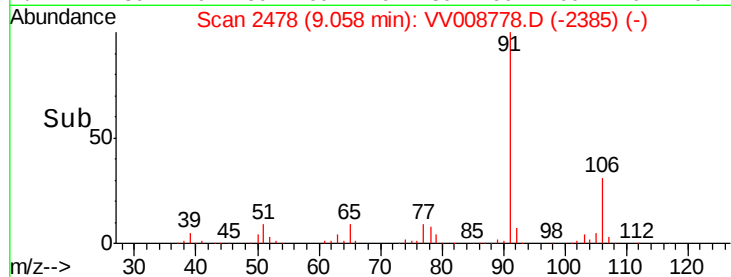
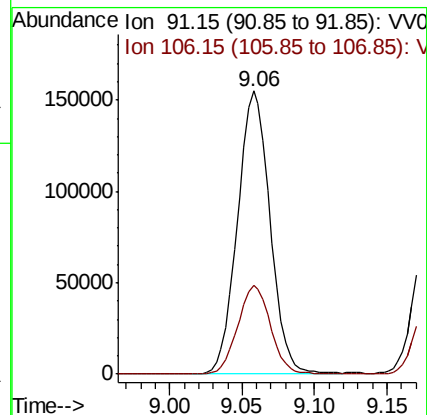
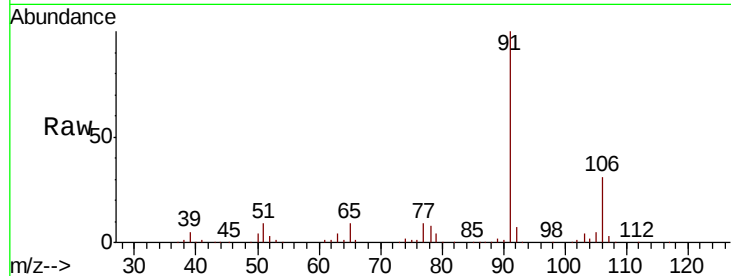
VSTD00570

Tgt Ion: 91 Resp: 241992

Ion Ratio Lower Upper

91 100

106 31.2 22.4 41.6



#53

m,p-xylene

Concen: 5.089 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008778.D

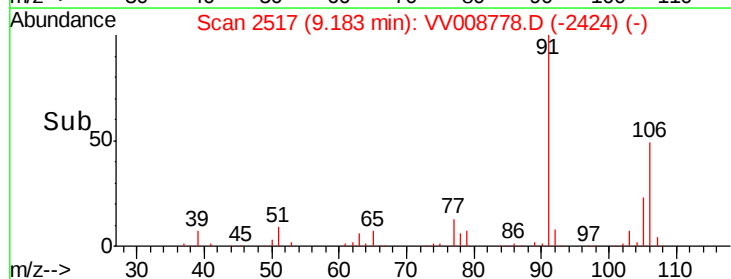
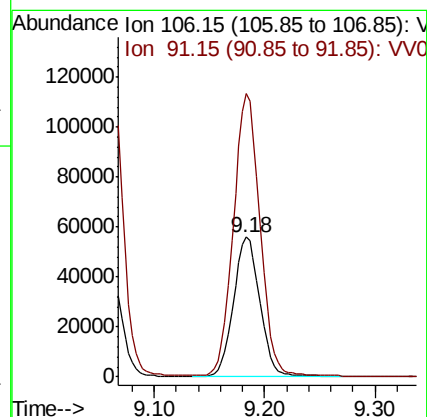
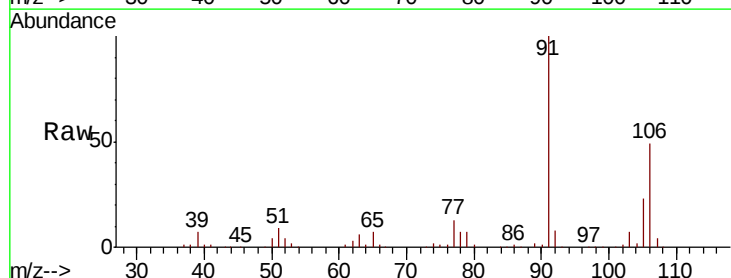
Acq: 29 Nov 2018 21:18

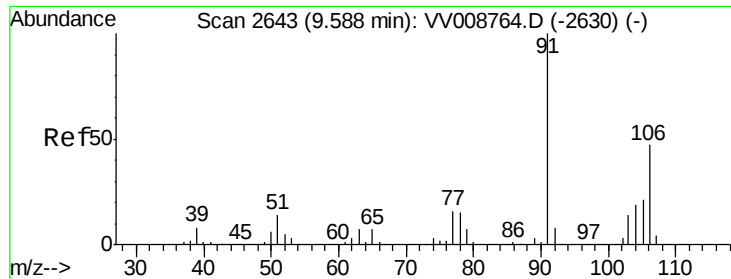
Tgt Ion: 106 Resp: 92273

Ion Ratio Lower Upper

106 100

91 202.4 145.5 270.3

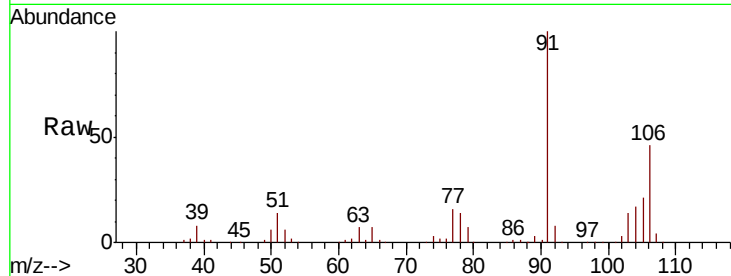




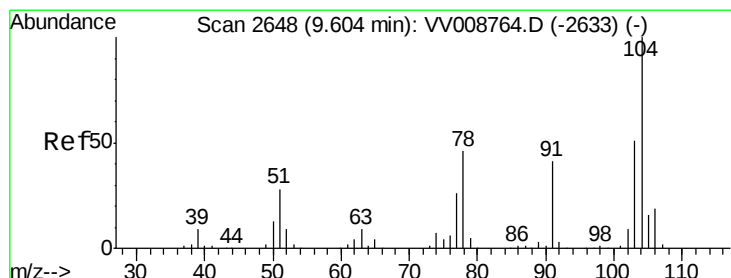
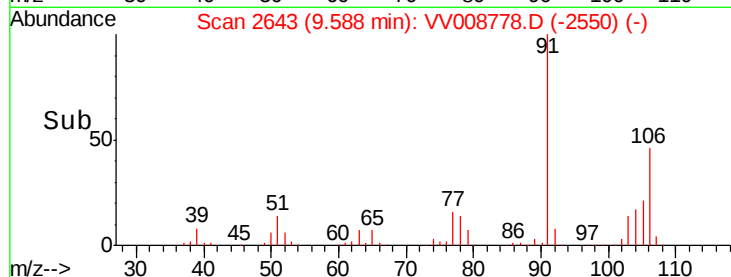
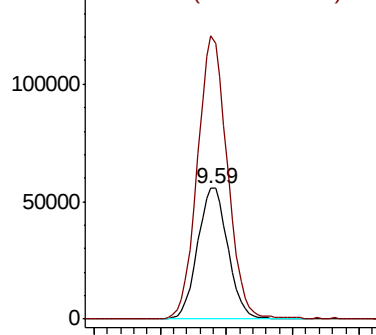
#54
o-xylene
Concen: 5.090 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00570

Tgt Ion:106 Resp: 89041
Ion Ratio Lower Upper
106 100
91 216.4 148.7 276.1

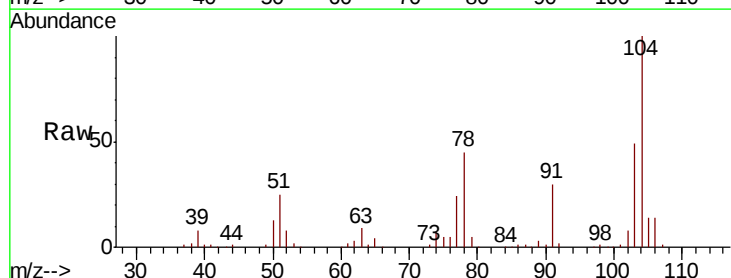


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

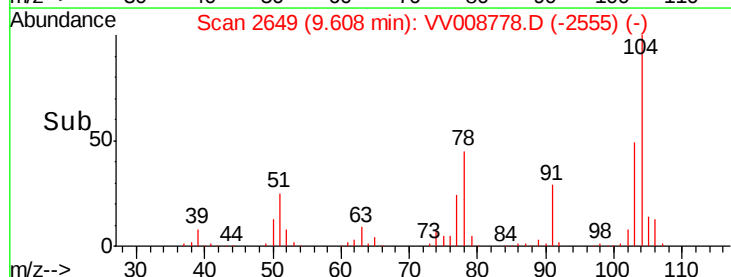
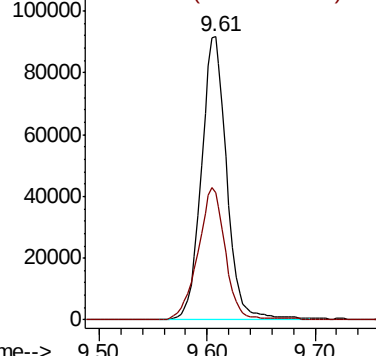


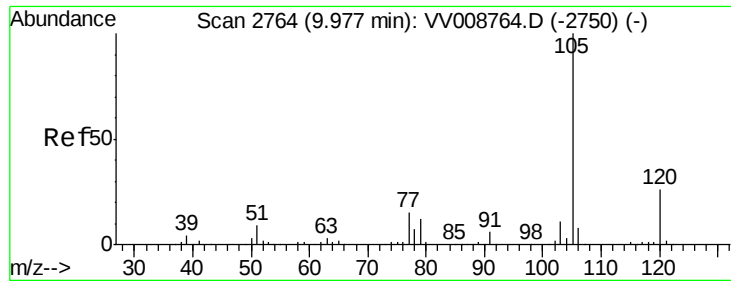
#55
Styrene
Concen: 5.175 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:104 Resp: 150509
Ion Ratio Lower Upper
104 100
78 45.1 32.2 59.8



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





#56

Isopropylbenzene

Concen: 5.088 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

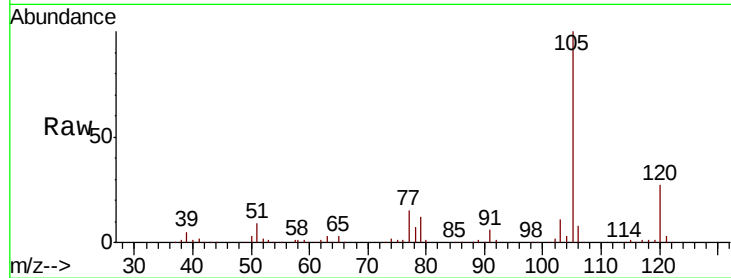
Tgt Ion: 105 Resp: 242445

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

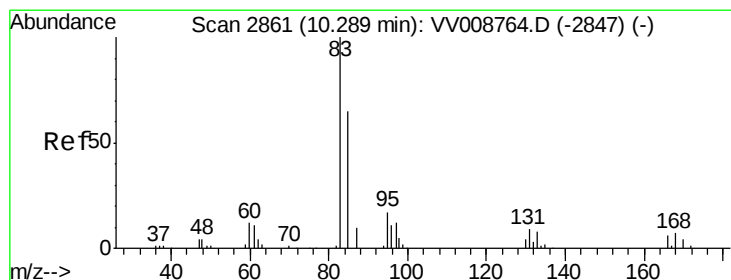
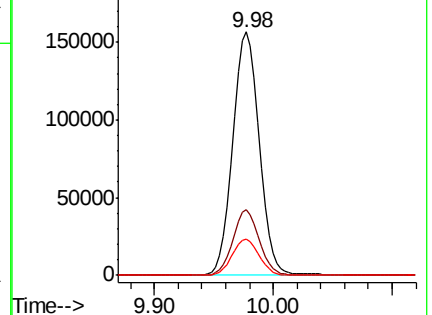
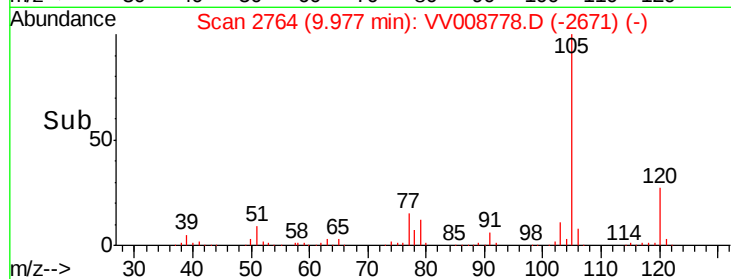
77 15.1 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.030 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

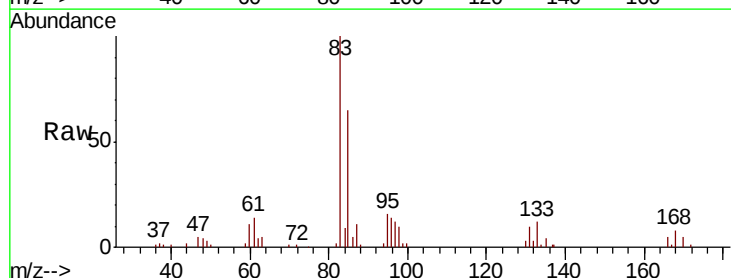
Tgt Ion: 83 Resp: 37769

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.8

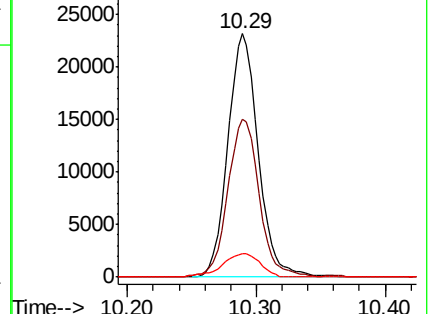
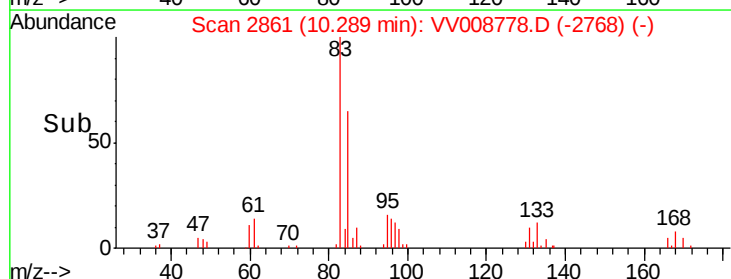
131 9.7 7.3 10.9

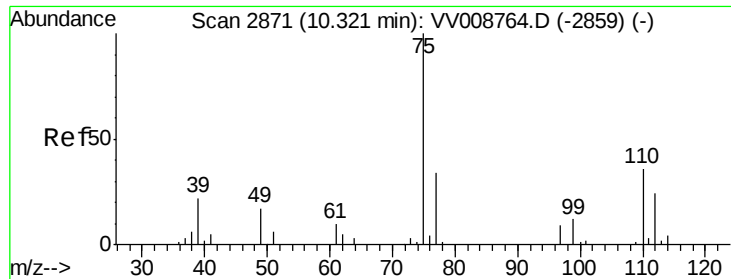


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

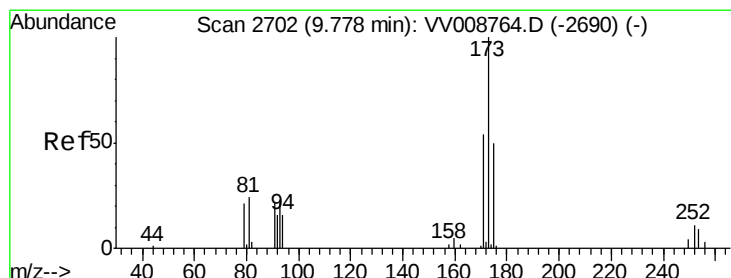
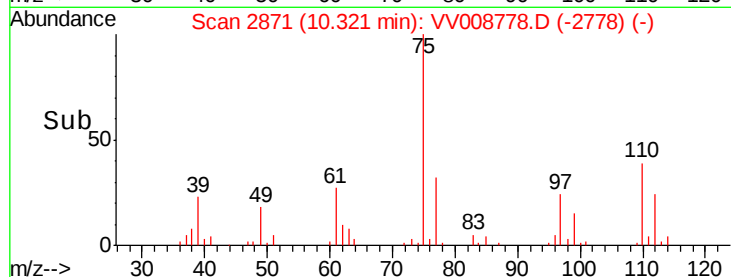
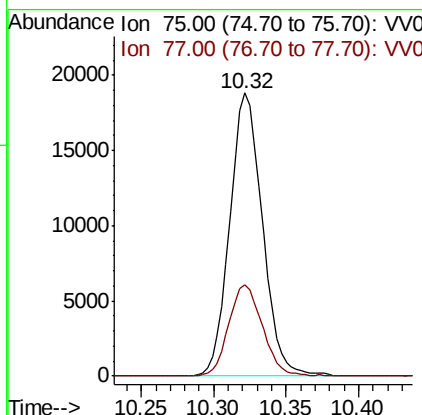
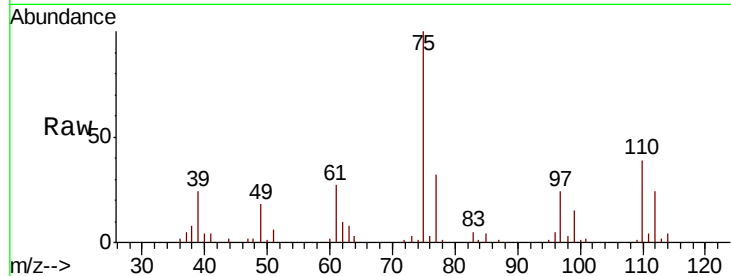




#59
 1,2,3-Trichloropropane
 Concen: 4.849 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

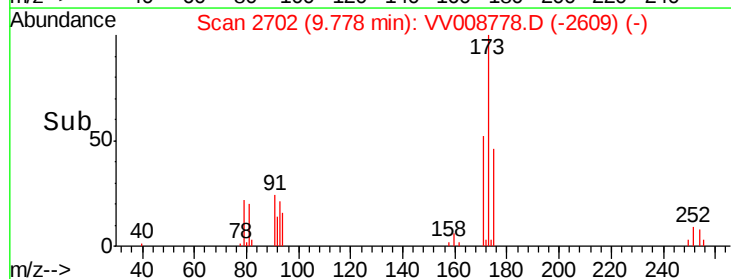
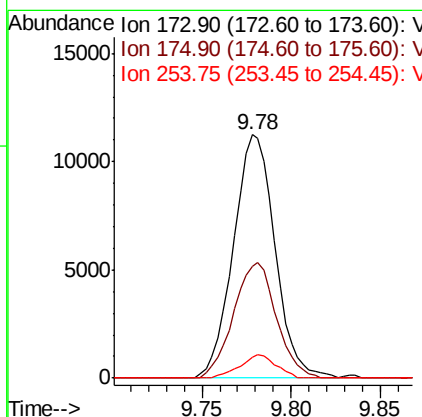
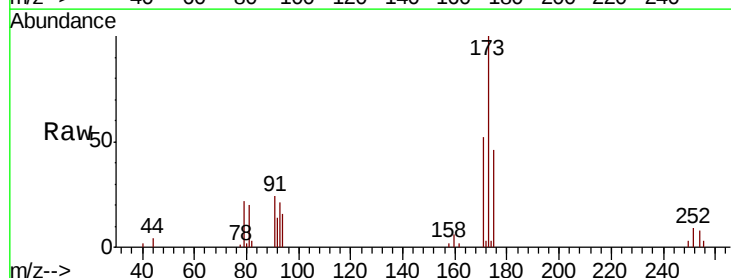
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

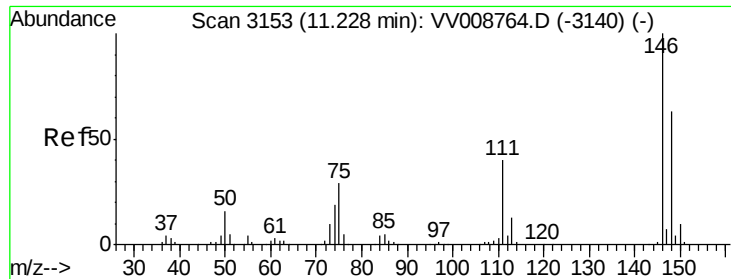
Tgt Ion: 75 Resp: 29529
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.9 40.3



#61
 Bromoform
 Concen: 4.833 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion: 173 Resp: 18335
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.6 59.4
 254 8.3 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 4.820 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

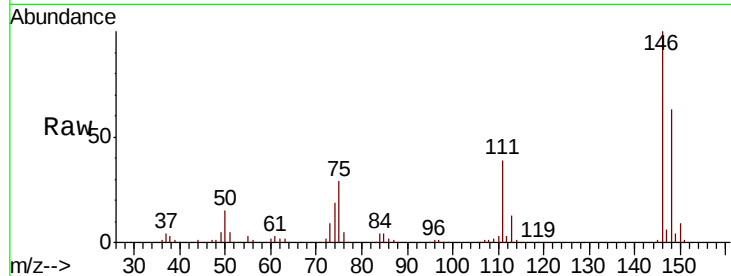
Tgt Ion:146 Resp: 111005

Ion Ratio Lower Upper

146 100

111 38.8 28.1 52.1

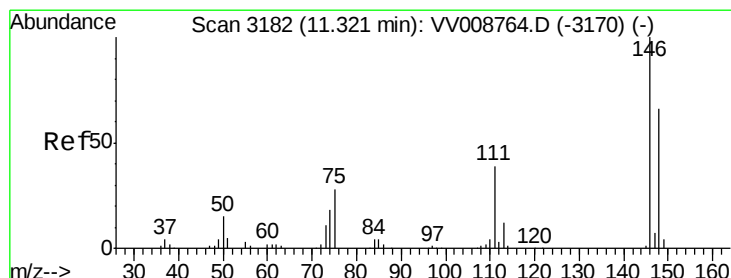
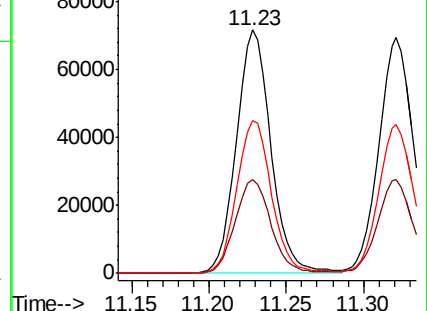
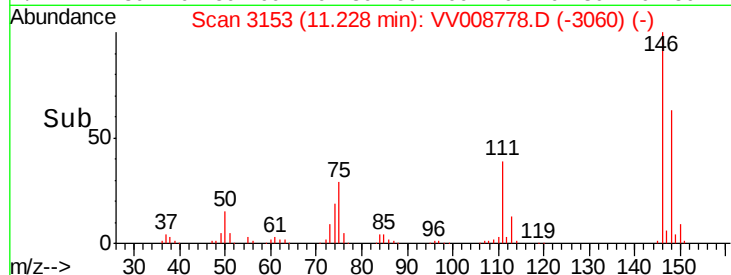
148 62.9 44.4 82.4



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: 4.918 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

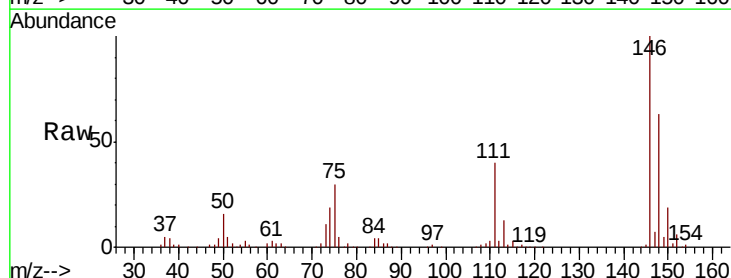
Tgt Ion:146 Resp: 112046

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.4

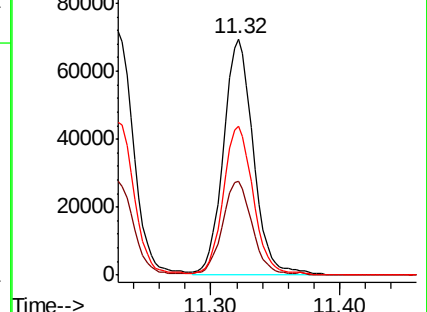
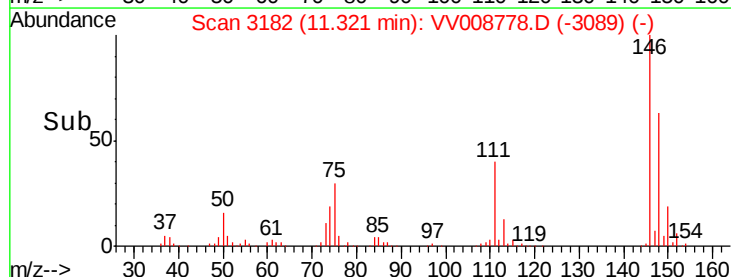
148 62.9 46.5 86.3

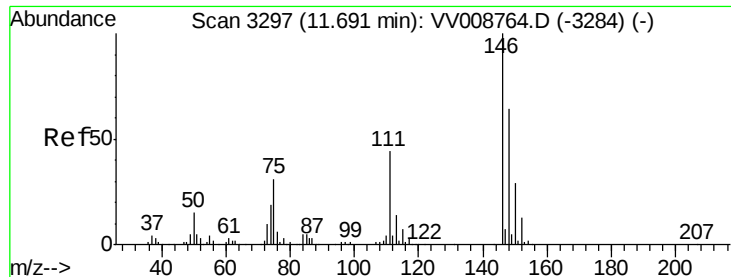


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

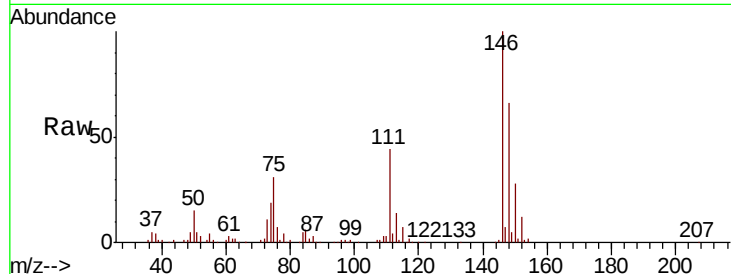




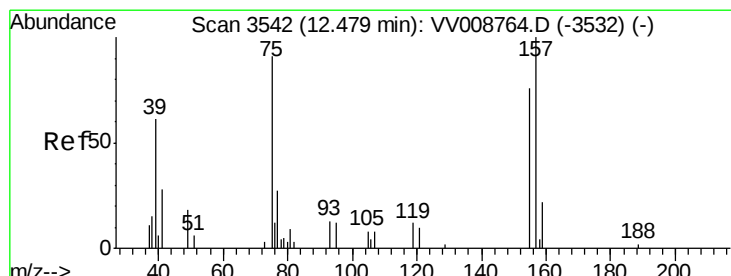
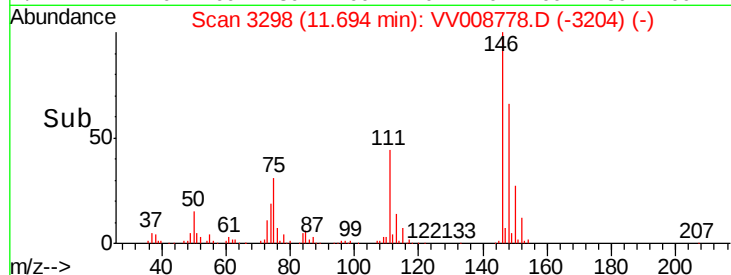
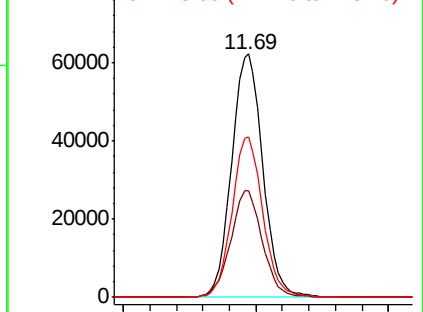
#65
 1,2-Dichlorobenzene
 Concen: 4.680 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Tgt Ion:146 Resp: 101676
 Ion Ratio Lower Upper
 146 100
 111 43.8 34.8 52.2
 148 65.7 51.1 76.7

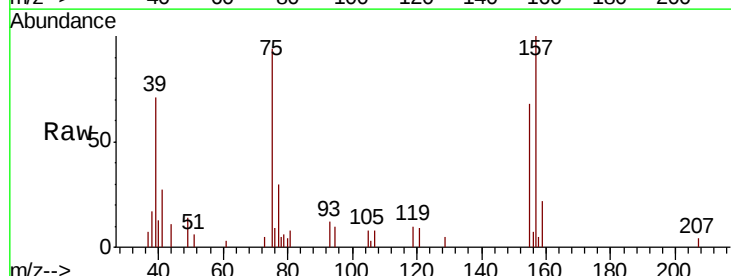


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

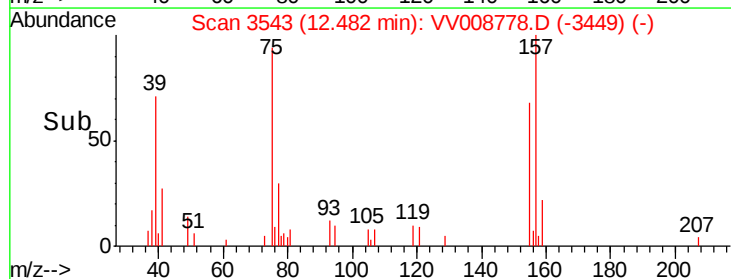
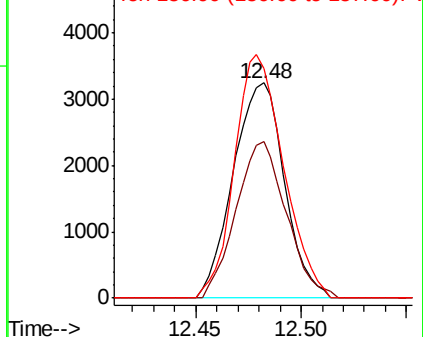


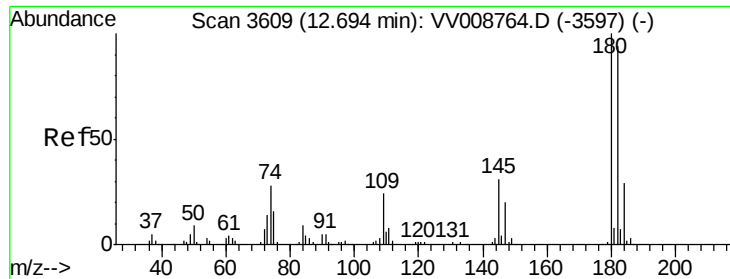
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.122 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion: 75 Resp: 5481
 Ion Ratio Lower Upper
 75 100
 155 72.9 66.7 100.1
 157 106.8 88.0 132.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

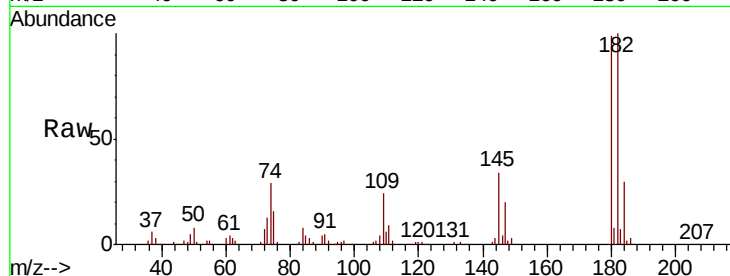




#67
 1,3,5-Trichlorobenzene
 Concen: 4.791 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	74.7	112.1
184	29.9	23.3	34.9
145	31.9	24.2	36.4



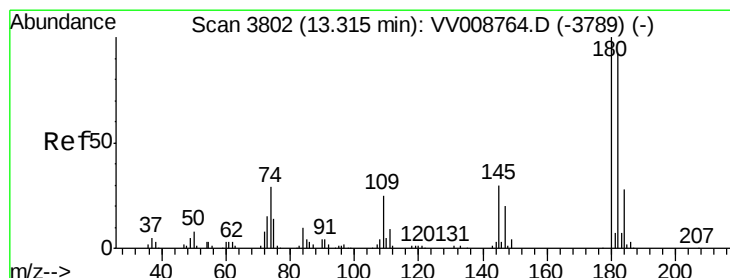
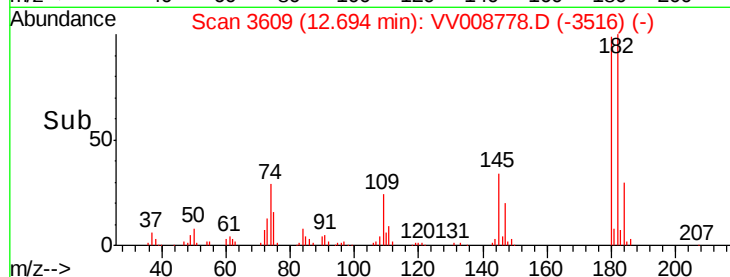
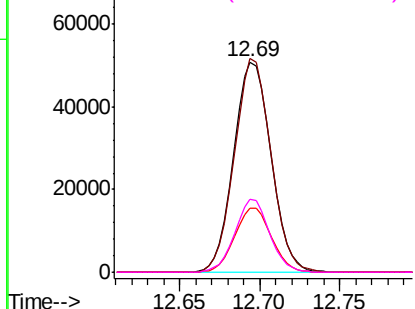
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

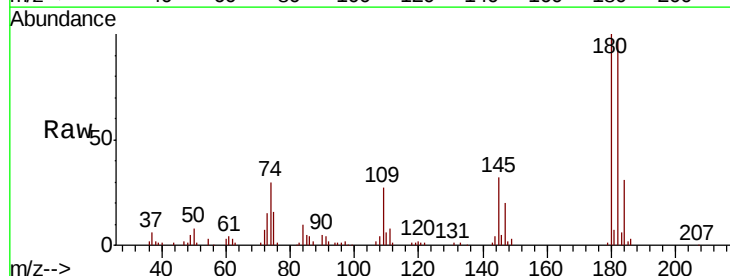
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.834 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008778.D
 Acq: 29 Nov 2018 21:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.2	111.4
145	31.8	24.1	36.1

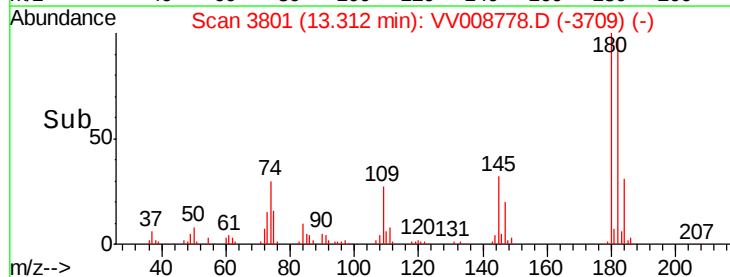
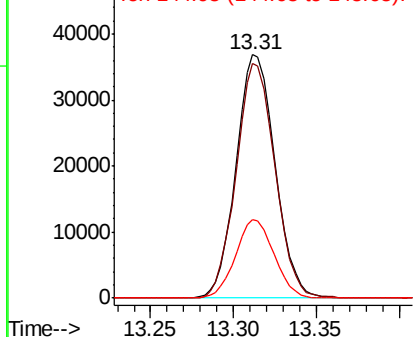


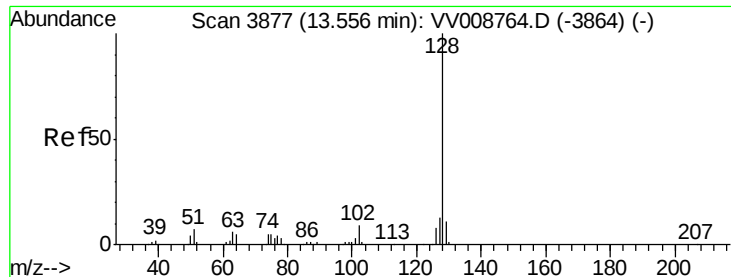
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.597 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00570

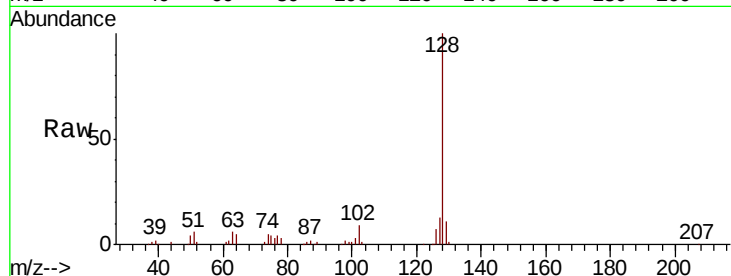
Tgt Ion:128 Resp: 83822

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

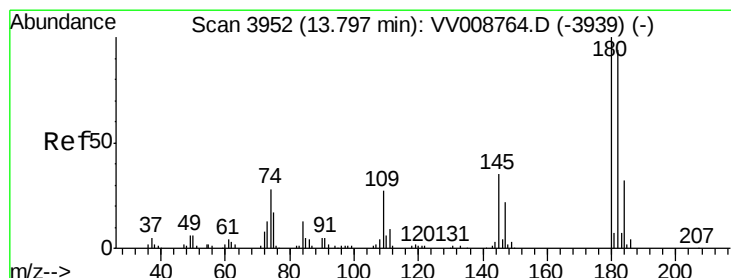
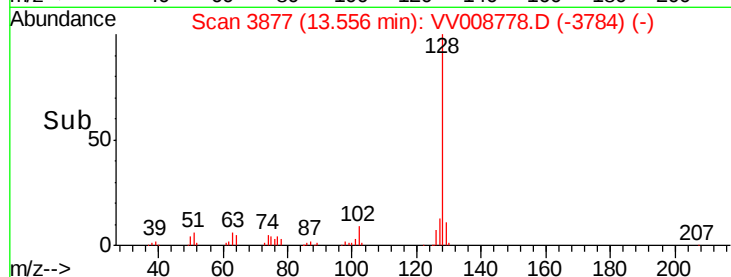
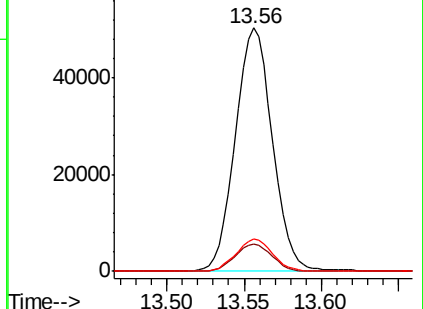
127 13.0 10.1 15.1



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: 4.859 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008778.D

Acq: 29 Nov 2018 21:18

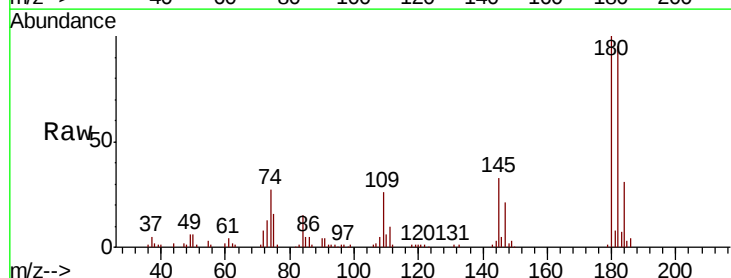
Tgt Ion:180 Resp: 56528

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.4

145 33.1 27.6 41.4



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

