

Data File : VU027879.D
Acq On : 30 Oct 2018 18:39
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Quant Time: Oct 31 02:21:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	74695	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	72708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37180	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29855	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.68	69	22677	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.28	63	55745	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	4.20	46	90859	52.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.38%
24) Chloroform-d	4.65	84	54577	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.31	65	31550	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.34	84	99833	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.33	67	35045	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.57	98	94871	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.85	79	13606	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.31	63	76752	51.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	26250	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	35063	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	37320	5.075 ug/L	99
3) Chloromethane	1.33	50	37351	5.122 ug/L	98
5) Vinyl chloride	1.40	62	37246	5.130 ug/L	100
6) Bromomethane	1.63	94	13496	5.658 ug/L	94
8) Chloroethane	1.70	64	20734	4.873 ug/L	97
9) Trichlorofluoromethane	1.89	101	49064	5.090 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	24131	4.906 ug/L	97
12) 1,1-Dichloroethene	2.29	96	23708	5.110 ug/L	93
13) Acetone	2.33	43	52070	47.447 ug/L	94
14) Carbon disulfide	2.48	76	76932	4.642 ug/L	98
15) Methyl Acetate	2.62	43	15149	5.157 ug/L	98
16) Methylene chloride	2.70	84	25577	4.907 ug/L	99
17) Methyl tert-butyl Ether	3.01	73	70016	5.062 ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	24879	5.045 ug/L	99
19) 1,1-Dichloroethane	3.45	63	52349	5.028 ug/L	97
21) 2-Butanone	4.28	43	93985	49.258 ug/L	100
22) cis-1,2-Dichloroethene	4.23	96	28591	5.016 ug/L	96

Data File : VU027879.D
Acq On : 30 Oct 2018 18:39
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Quant Time: Oct 31 02:21:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration

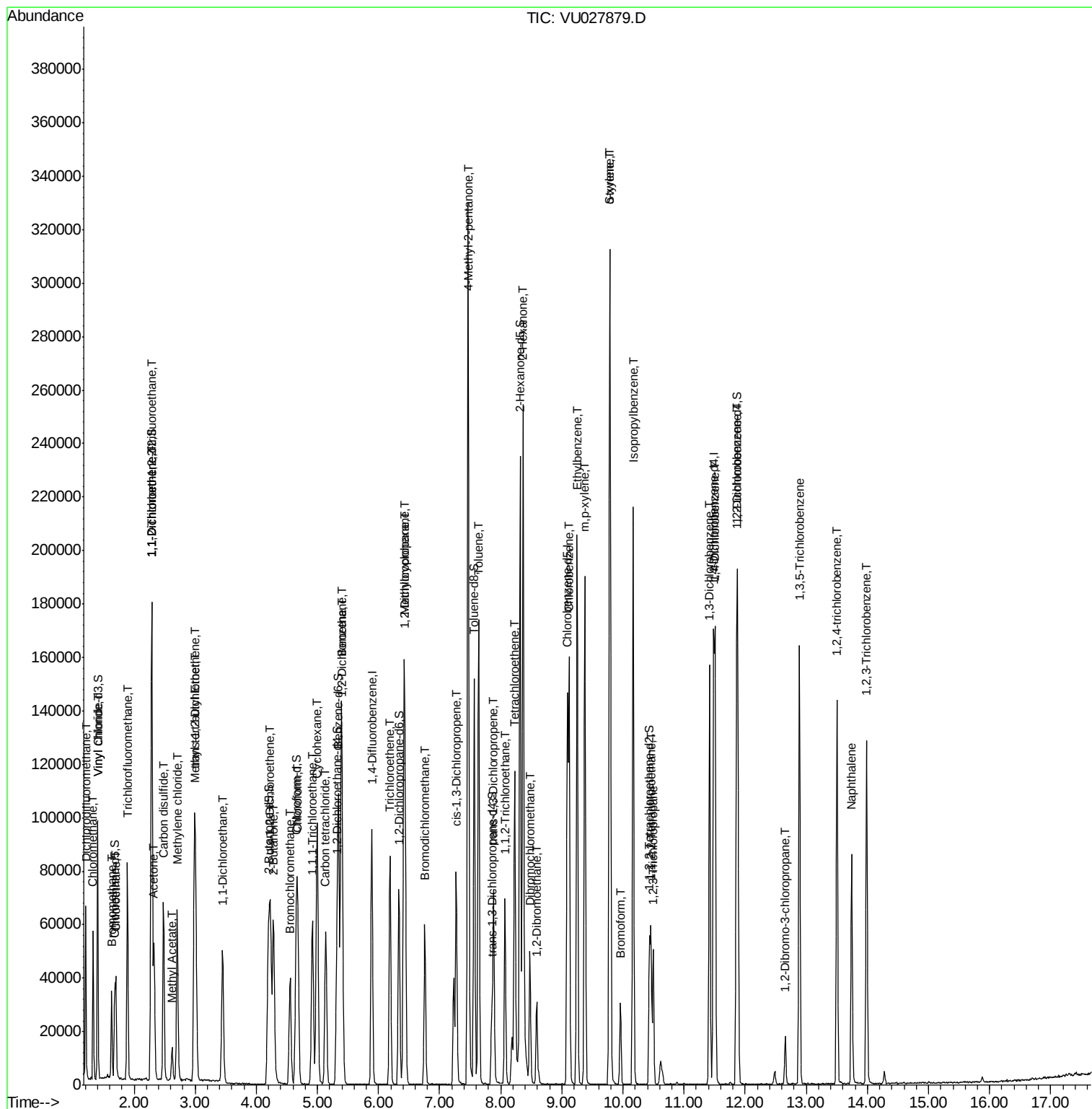
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	12085	5.116	ug/L	94
25) Chloroform	4.68	83	54158	5.131	ug/L	97
27) 1,2-Dichloroethane	5.41	62	37620	5.108	ug/L #	94
29) 1,1,1-Trichloroethane	4.92	97	47738	5.088	ug/L	99
30) Cyclohexane	5.00	56	53566	4.859	ug/L	98
31) Carbon tetrachloride	5.13	117	41062	5.100	ug/L	99
33) Benzene	5.39	78	115565	5.019	ug/L	100
34) Trichloroethene	6.19	95	30531	5.094	ug/L	96
35) Methylcyclohexane	6.41	83	50770	4.980	ug/L	96
37) 1,2-Dichloropropane	6.44	63	32721	4.988	ug/L	99
38) Bromodichloromethane	6.76	83	38581	5.031	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	45994	4.892	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	235147	50.743	ug/L	99
42) Toluene	7.64	91	120989	5.023	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	39316	4.875	ug/L	93
45) 1,1,2-Trichloroethane	8.07	97	20119	4.987	ug/L	95
47) Tetrachloroethene	8.22	164	23338	5.069	ug/L	93
48) 2-Hexanone	8.37	43	168969	50.578	ug/L	98
49) Dibromochloromethane	8.48	129	24448	5.017	ug/L	98
50) 1,2-Dibromoethane	8.59	107	19390	5.023	ug/L	98
51) Chlorobenzene	9.12	112	73532	4.920	ug/L	98
52) Ethylbenzene	9.25	91	139063	5.063	ug/L	94
53) m,p-xylene	9.38	106	49951	5.016	ug/L	99
54) o-xylene	9.78	106	49862	5.097	ug/L	99
55) Styrene	9.79	104	82708	5.044	ug/L	100
56) Isopropylbenzene	10.17	105	134415	5.044	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	27066	5.144	ug/L #	97
59) 1,2,3-Trichloropropane	10.49	75	19633	4.938	ug/L	99
61) Bromoform	9.96	173	13380	4.892	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	60636	5.071	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	59205	4.953	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	56944	5.043	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4517	5.105	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.89	180	48128	5.001	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	42876	5.239	ug/L	99
69) Naphthalene	13.74	128	67385	5.295	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	38334	5.143	ug/L	97

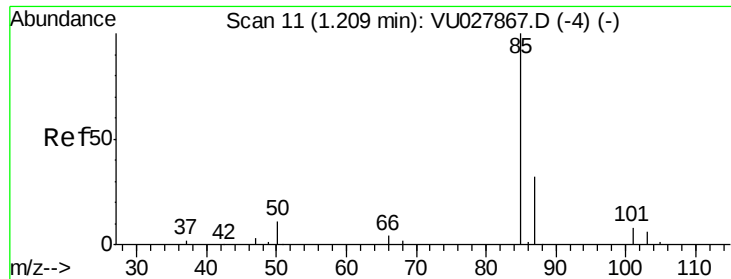
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027879.D
Acq On : 30 Oct 2018 18:39
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Quant Time: Oct 31 02:21:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 31 02:11:32 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.075 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

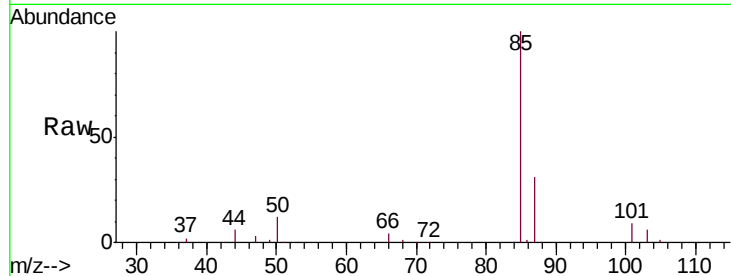
VSTD00549

Tgt Ion: 85 Resp: 37320

Ion Ratio Lower Upper

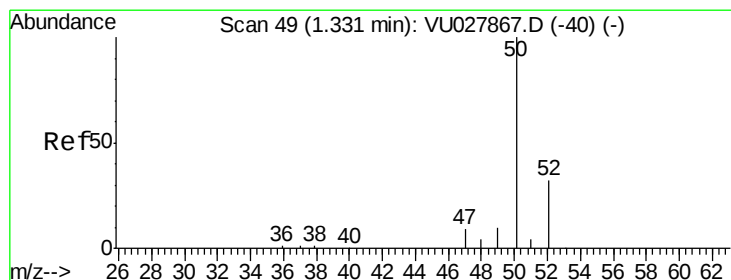
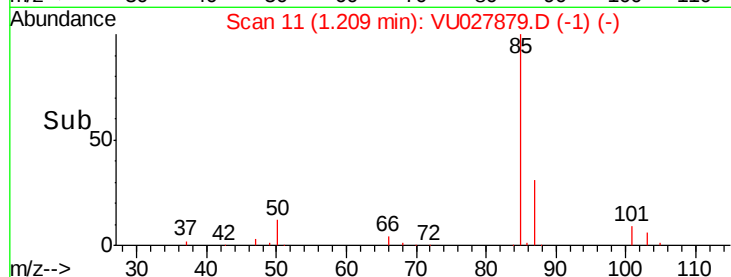
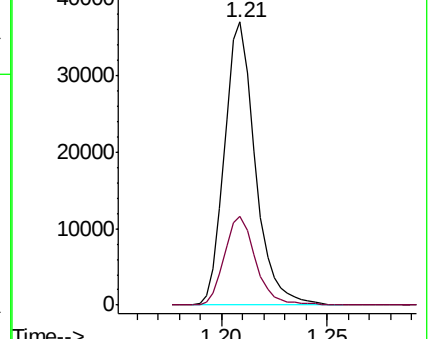
85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.122 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027879.D

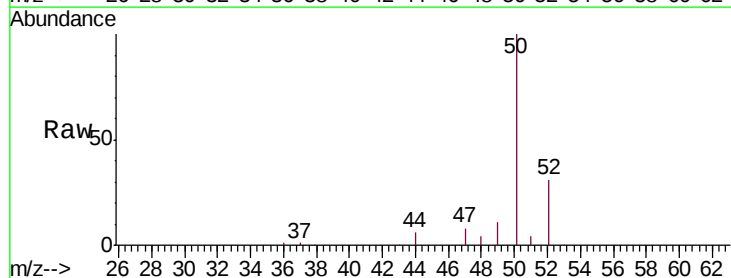
Acq: 30 Oct 2018 18:39

Tgt Ion: 50 Resp: 37351

Ion Ratio Lower Upper

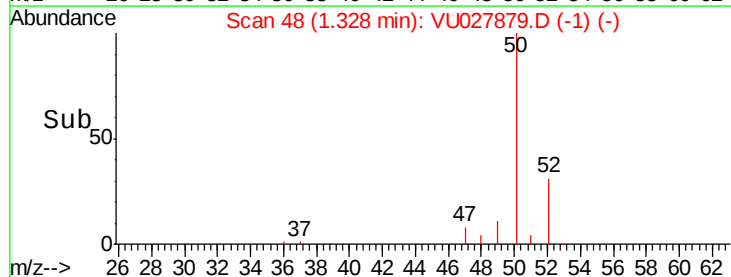
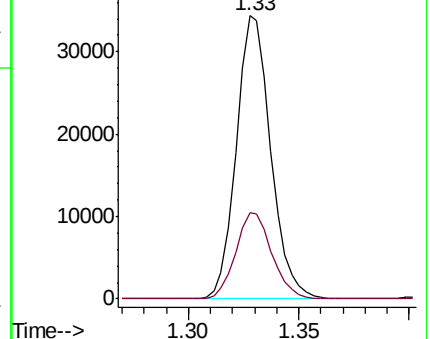
50 100

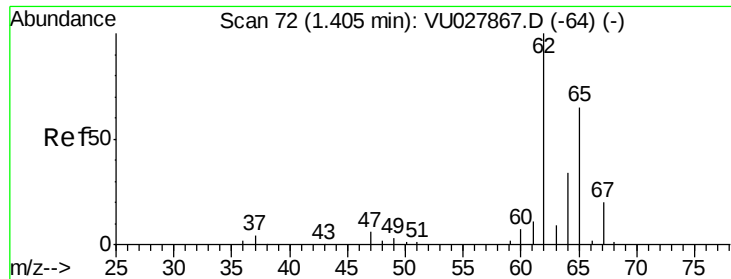
52 30.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.130 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

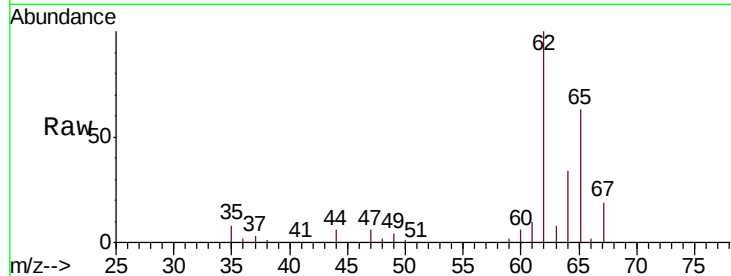
VSTD00549

Tgt Ion: 62 Resp: 37246

Ion Ratio Lower Upper

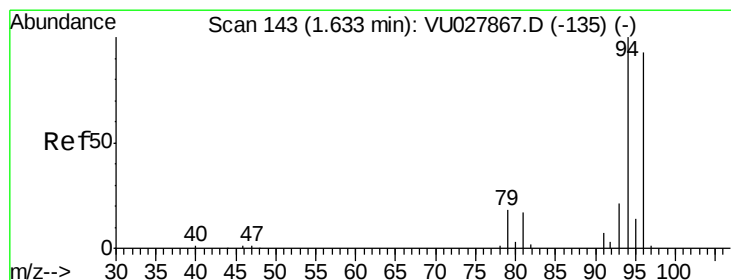
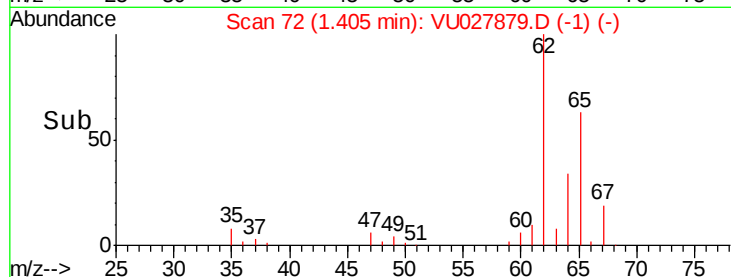
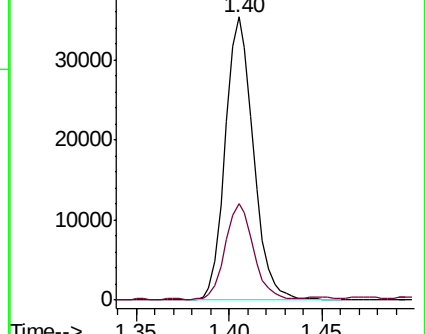
62 100

64 34.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.658 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU027879.D

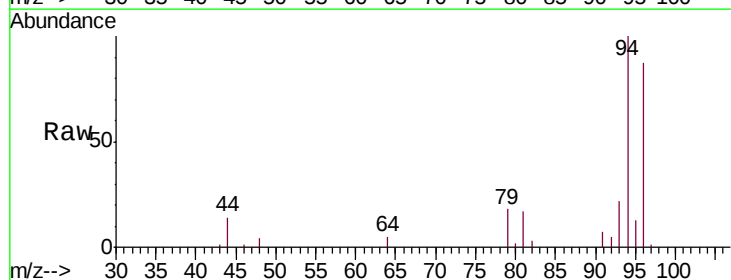
Acq: 30 Oct 2018 18:39

Tgt Ion: 94 Resp: 13496

Ion Ratio Lower Upper

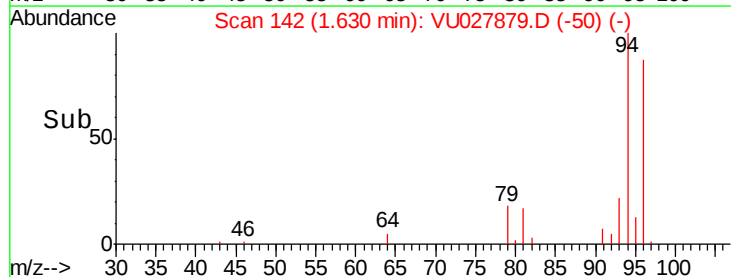
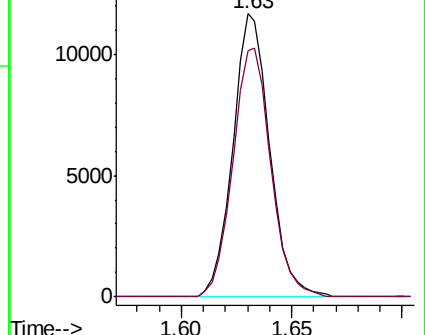
94 100

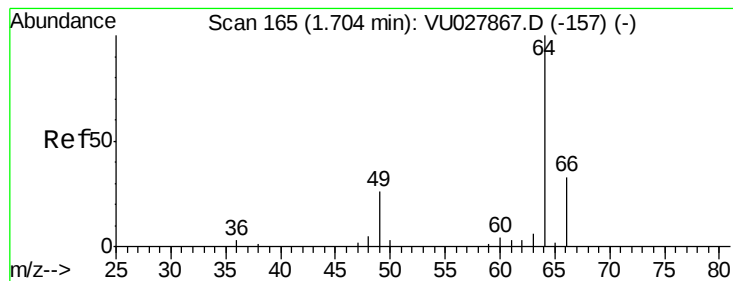
96 87.0 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.873 ug/L

RT: 1.70 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

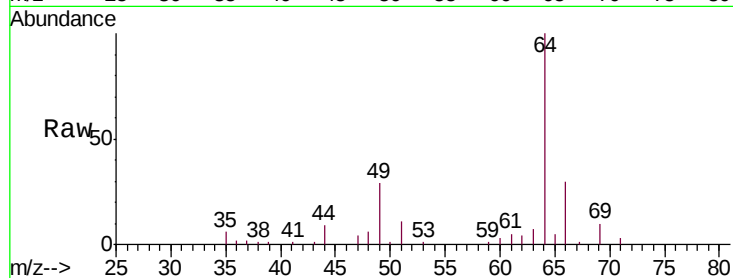
VSTD00549

Tgt Ion: 64 Resp: 20734

Ion Ratio Lower Upper

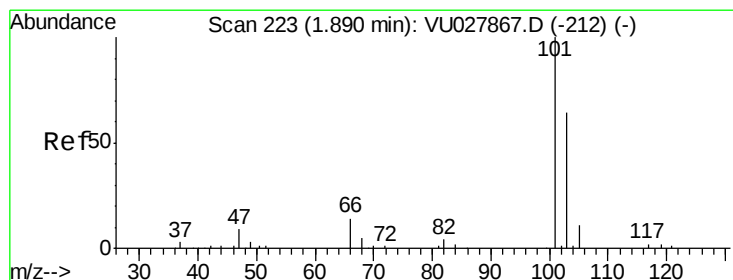
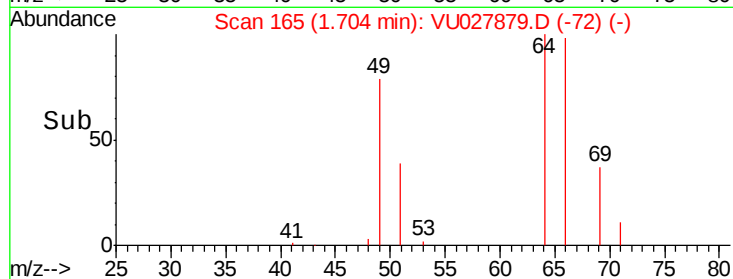
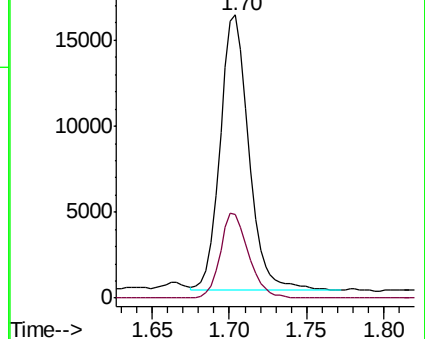
64 100

66 29.5 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU027867.D (-157) (-)

Ion 66.05 (65.75 to 66.75): VU027867.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 5.090 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027879.D

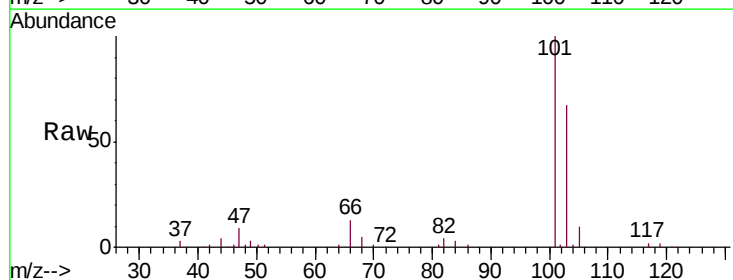
Acq: 30 Oct 2018 18:39

Tgt Ion: 101 Resp: 49064

Ion Ratio Lower Upper

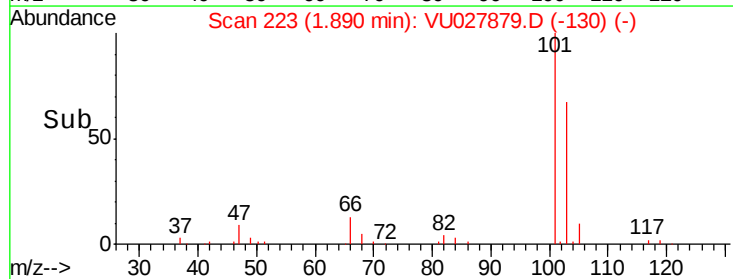
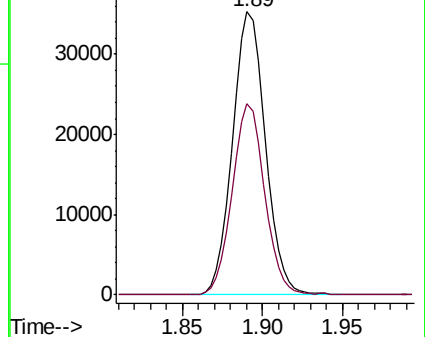
101 100

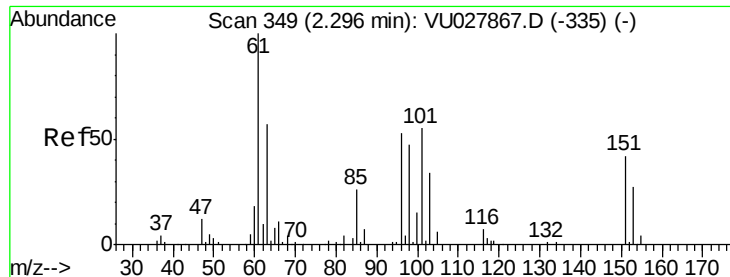
103 66.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU027867.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027867.D (-212) (-)





#10

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

Concen: 4.906 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

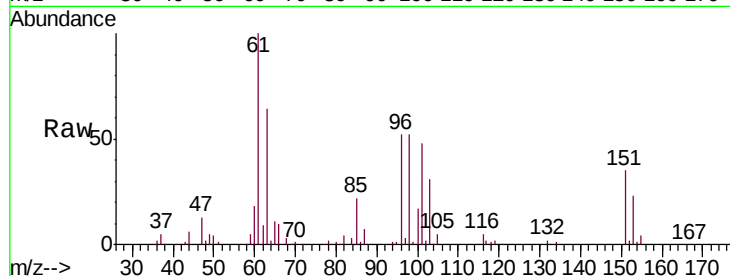
Tgt Ion: 101 Resp: 24131

Ion Ratio Lower Upper

101 100

85 47.9 37.1 55.7

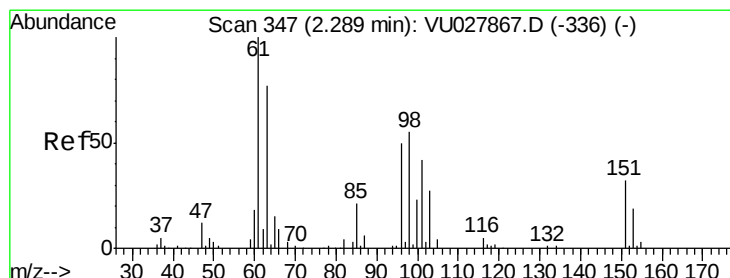
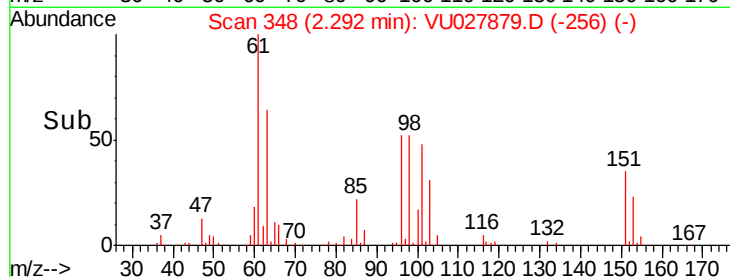
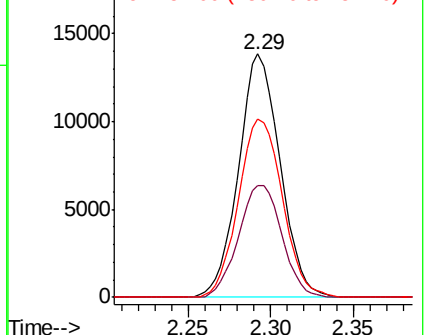
151 77.6 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.110 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

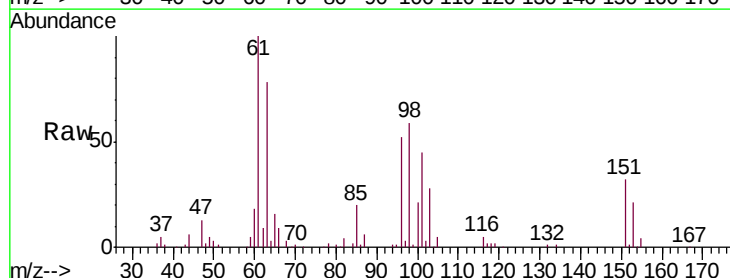
Tgt Ion: 96 Resp: 23708

Ion Ratio Lower Upper

96 100

61 193.1 141.1 262.1

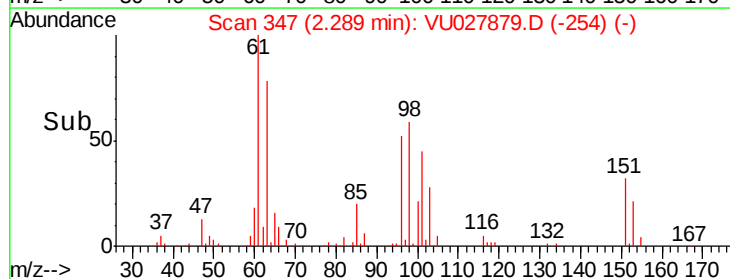
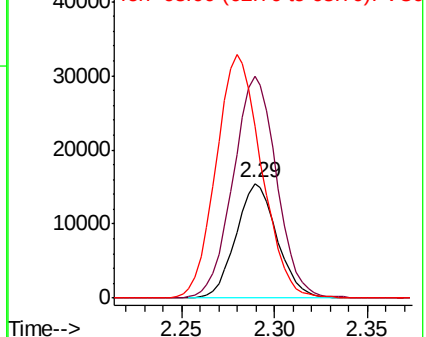
63 150.5 113.0 209.9

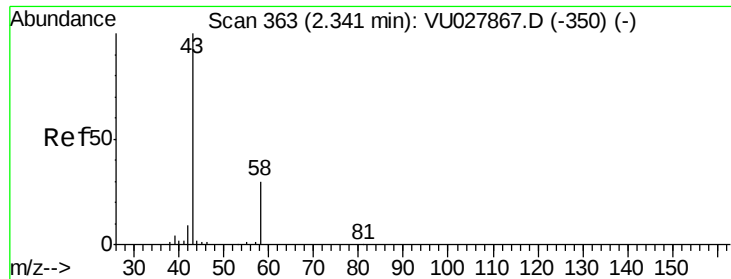


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.447 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.01 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

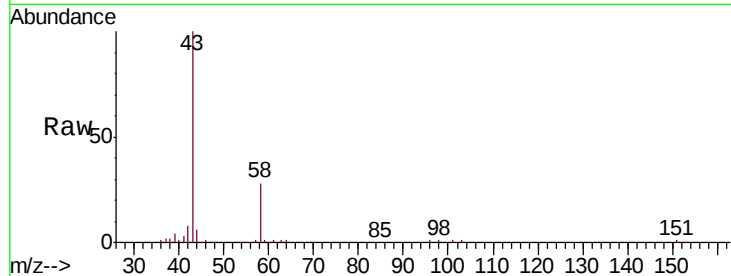
VSTD00549

Tgt Ion: 43 Resp: 52070

Ion Ratio Lower Upper

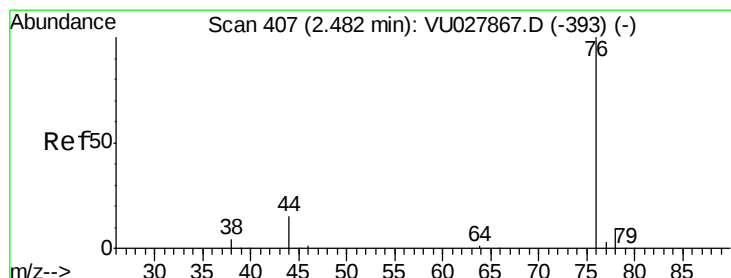
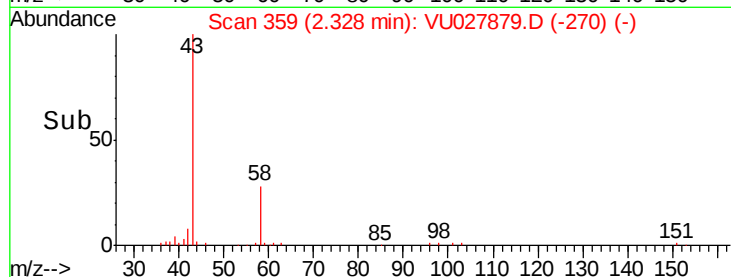
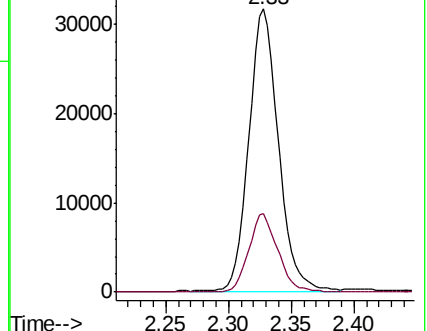
43 100

58 27.3 0.0 61.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.642 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU027879.D

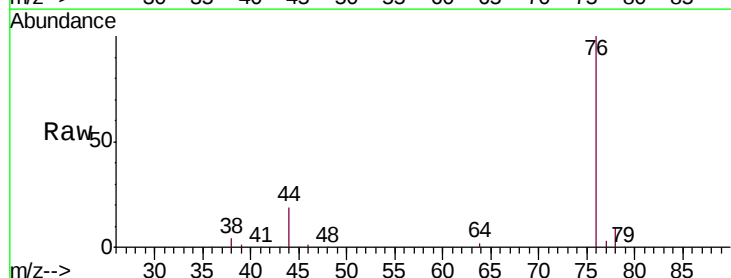
Acq: 30 Oct 2018 18:39

Tgt Ion: 76 Resp: 76932

Ion Ratio Lower Upper

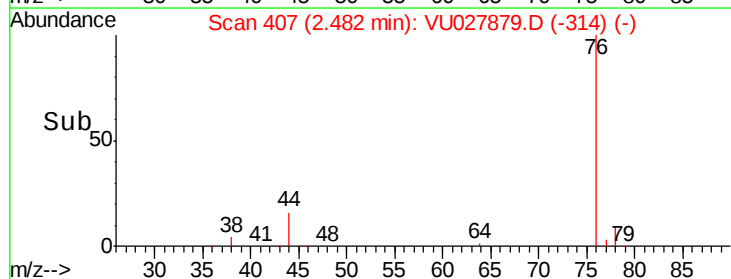
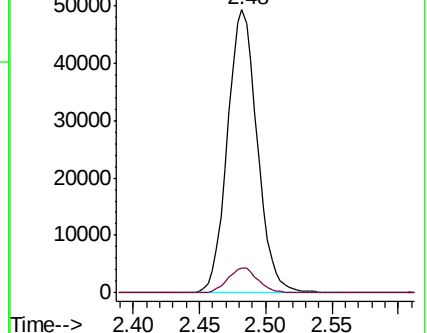
76 100

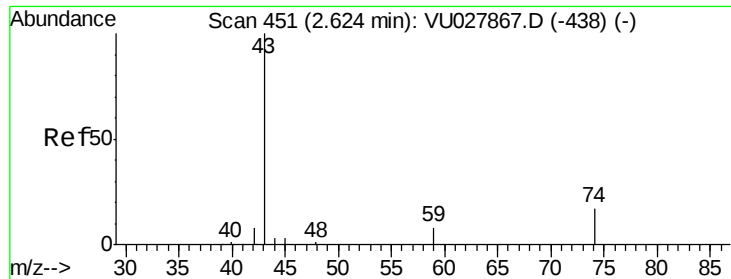
78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

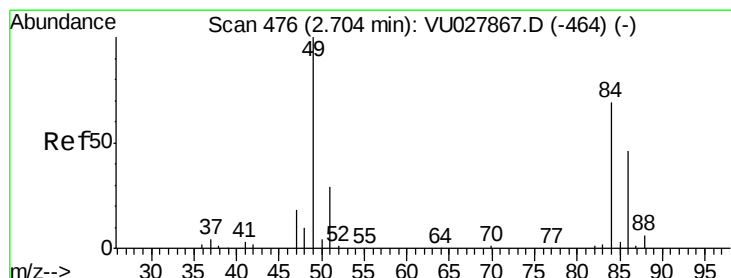
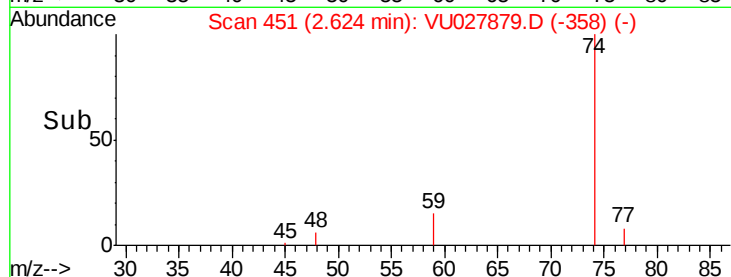
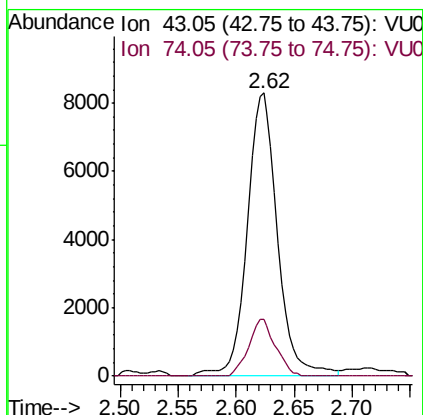
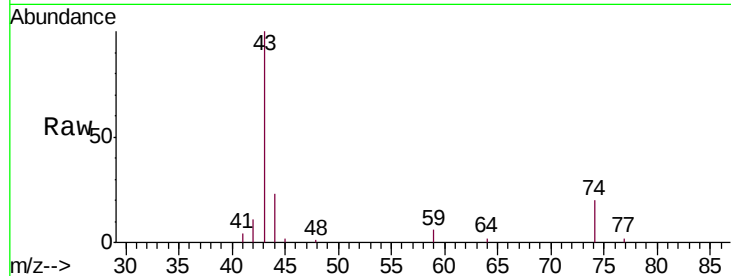




#15
Methyl Acetate
Concen: 5.157 ug/L
RT: 2.62 min Scan# 451
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

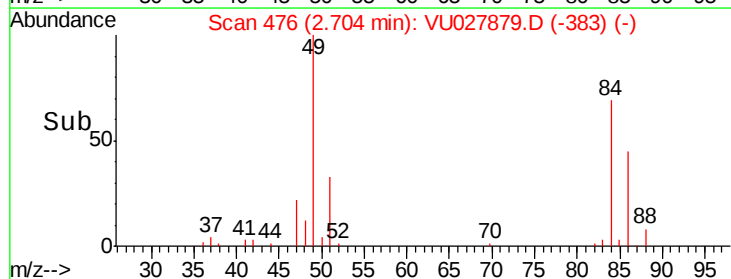
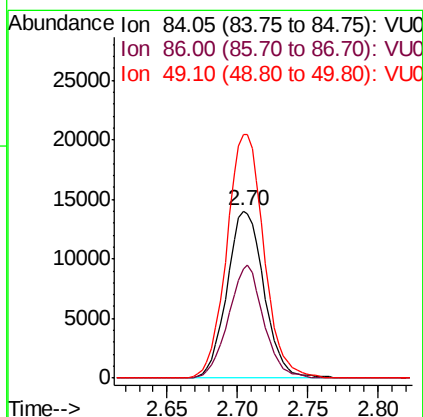
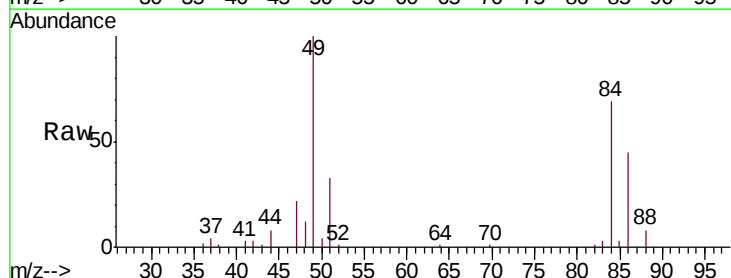
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

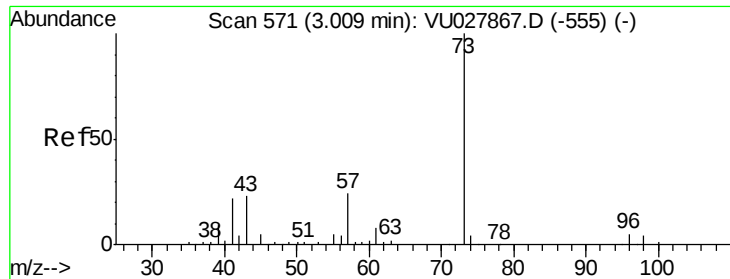
Tgt Ion: 43 Resp: 15149
Ion Ratio Lower Upper
43 100
74 17.8 14.9 22.3



#16
Methylene chloride
Concen: 4.907 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion: 84 Resp: 25577
Ion Ratio Lower Upper
84 100
86 65.5 46.7 86.7
49 145.2 101.3 188.1

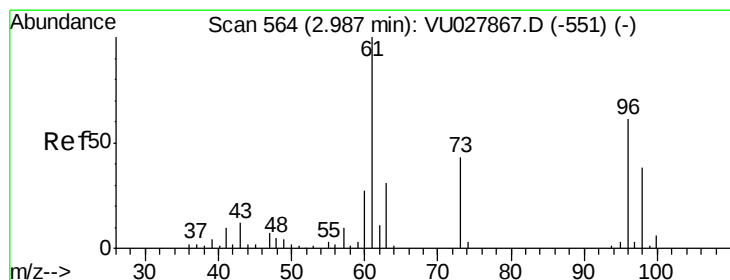
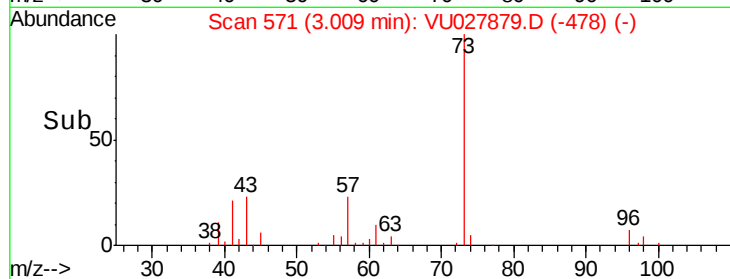
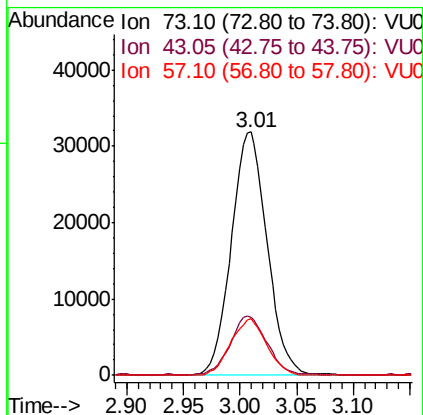
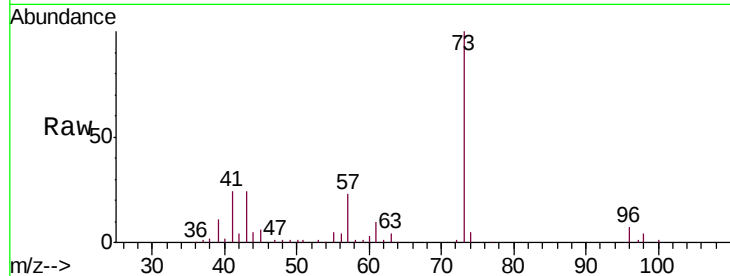




#17
Methyl tert-butyl Ether
Concen: 5.062 ug/L
RT: 3.01 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

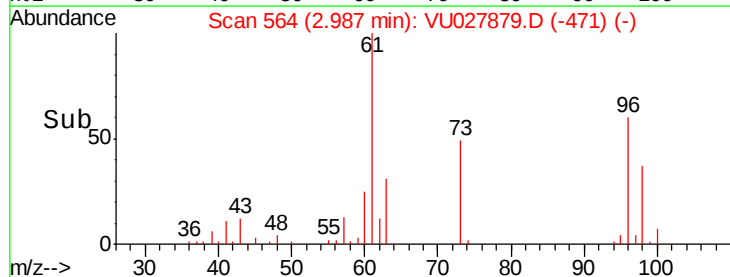
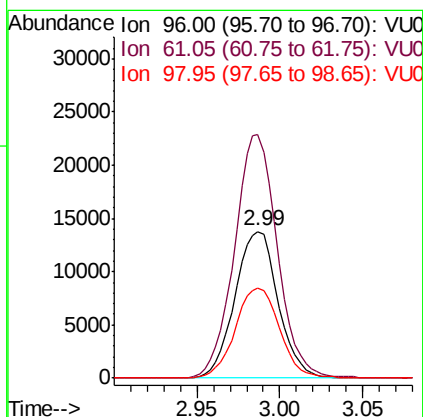
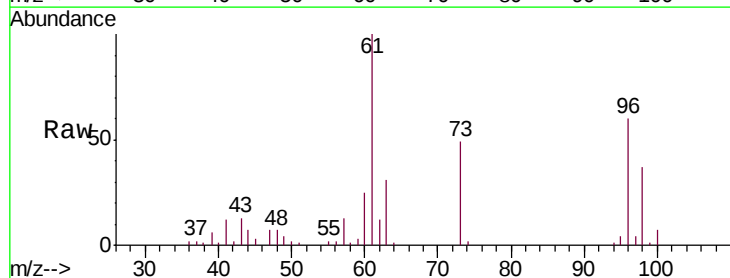
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

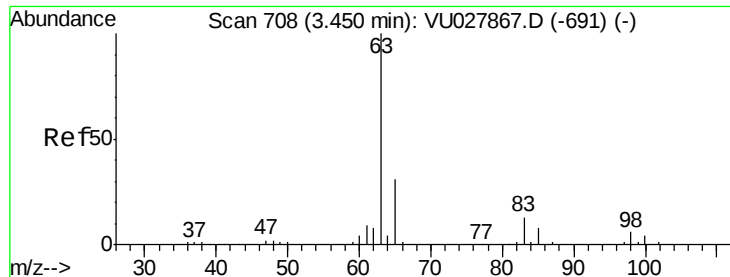
Tgt Ion: 73 Resp: 70016
Ion Ratio Lower Upper
73 100
43 25.3 18.7 28.1
57 23.4 18.7 28.1



#18
trans-1,2-Dichloroethene
Concen: 5.045 ug/L
RT: 2.99 min Scan# 564
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion: 96 Resp: 24879
Ion Ratio Lower Upper
96 100
61 165.8 115.2 214.0
98 61.1 44.0 81.8

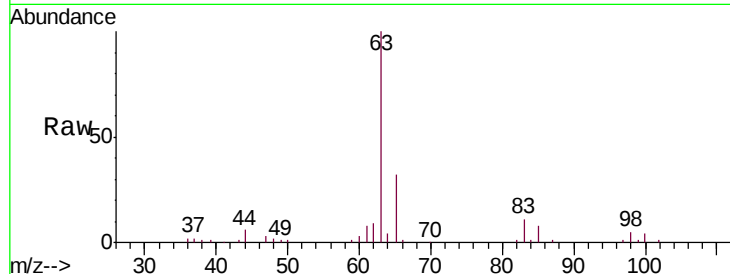




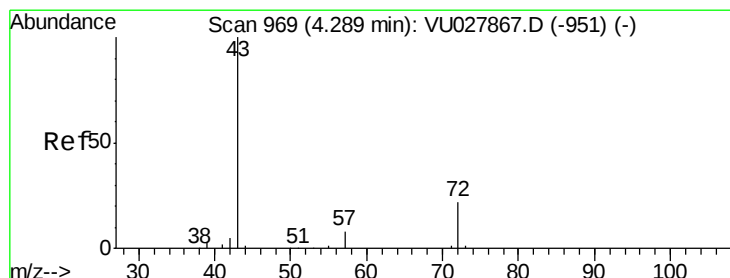
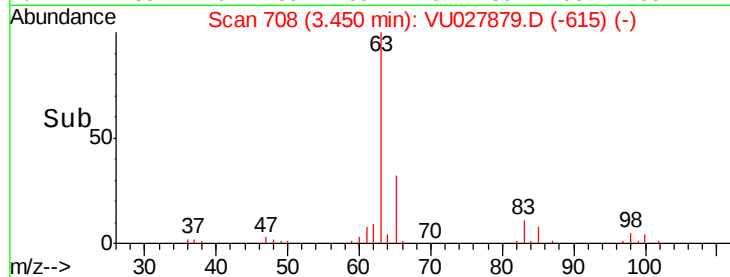
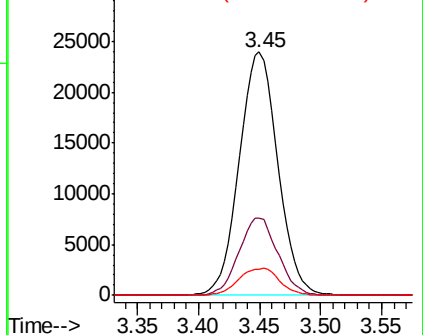
#19
 1,1-Dichloroethane
 Concen: 5.028 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion: 63 Resp: 52349
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.8 40.4
 83 10.8 9.4 17.4

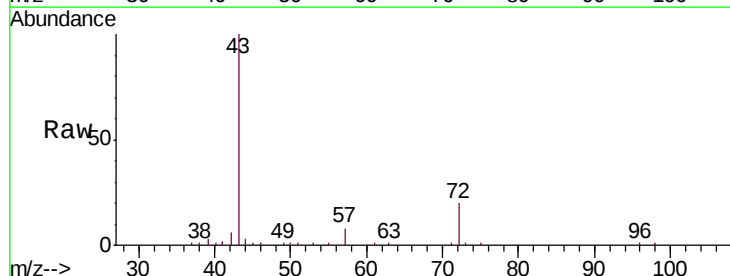


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

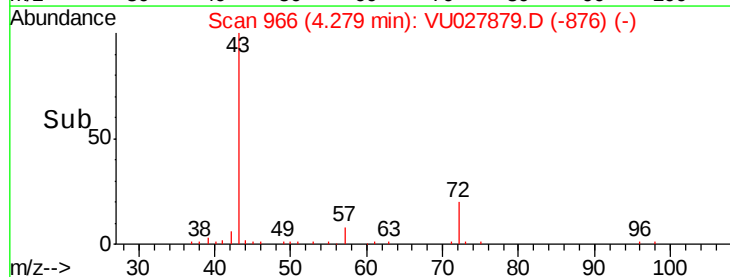
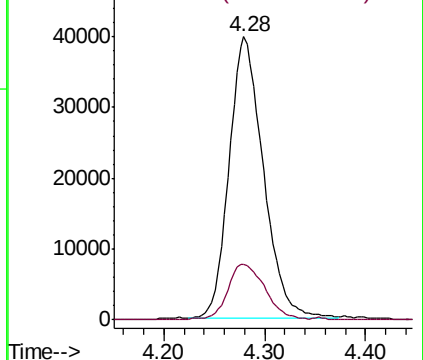


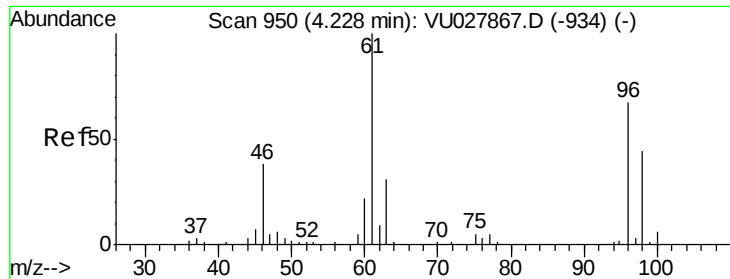
#21
 2-Butanone
 Concen: 49.258 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Tgt Ion: 43 Resp: 93985
 Ion Ratio Lower Upper
 43 100
 72 21.7 10.9 32.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



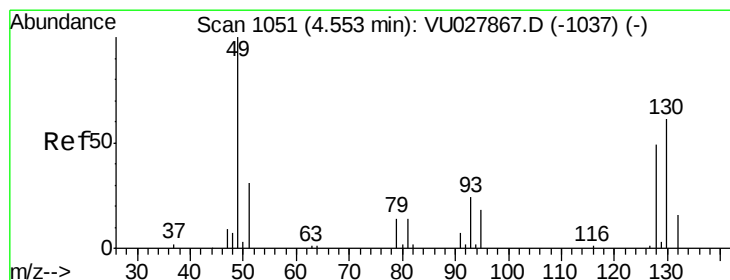
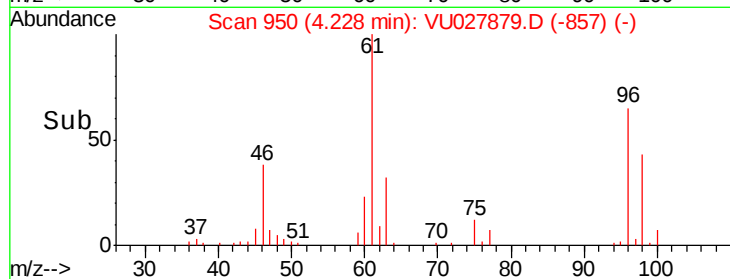
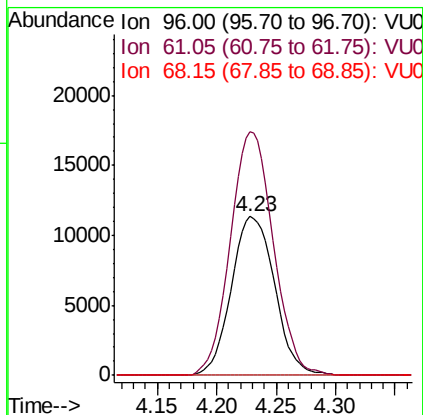
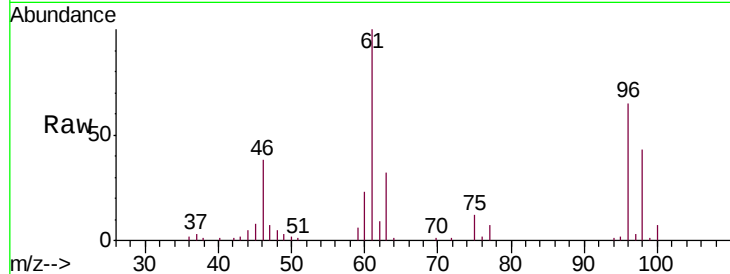


#22

cis-1,2-Dichloroethene
 Concen: 5.016 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

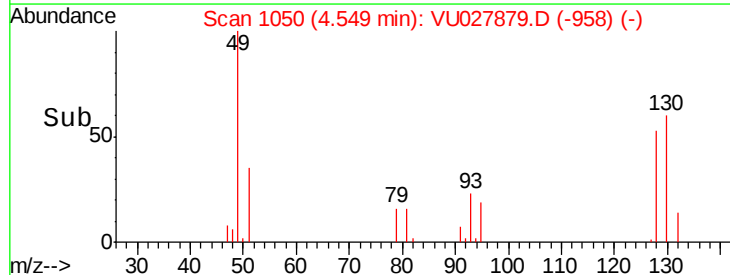
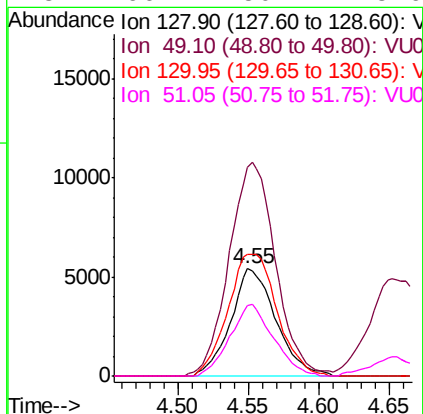
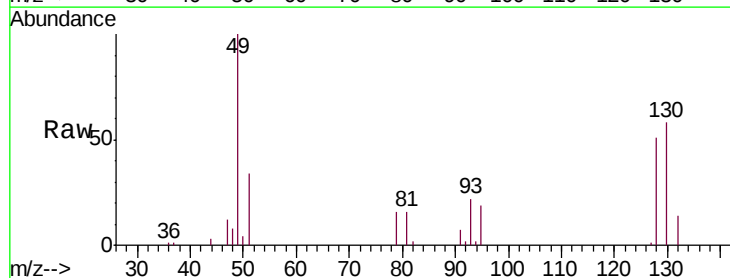
Tgt Ion: 96 Resp: 28591
 Ion Ratio Lower Upper
 96 100
 61 153.4 104.0 193.2
 68 0.0 0.0 0.0

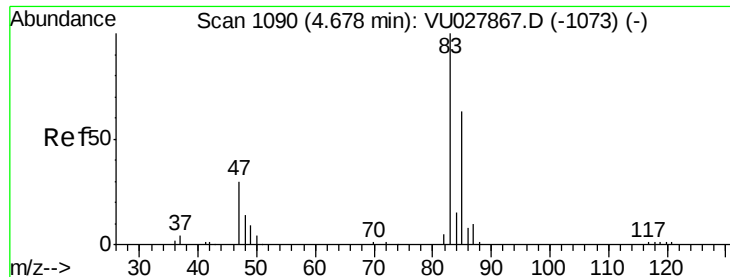


#23

Bromochloromethane
 Concen: 5.116 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Tgt Ion: 128 Resp: 12085
 Ion Ratio Lower Upper
 128 100
 49 195.3 142.0 263.8
 130 114.0 86.1 159.9
 51 66.1 50.4 75.6

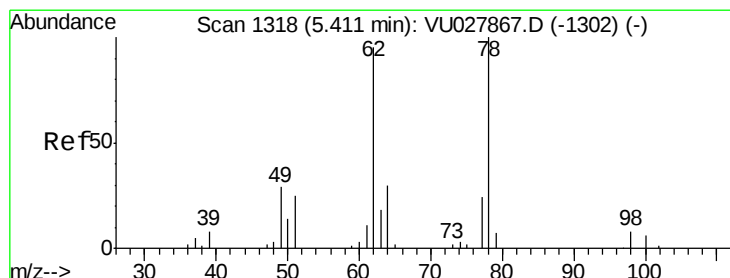
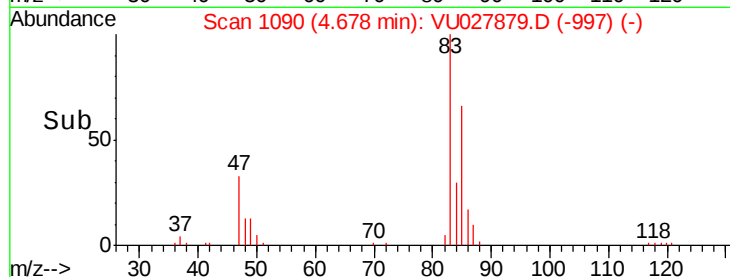
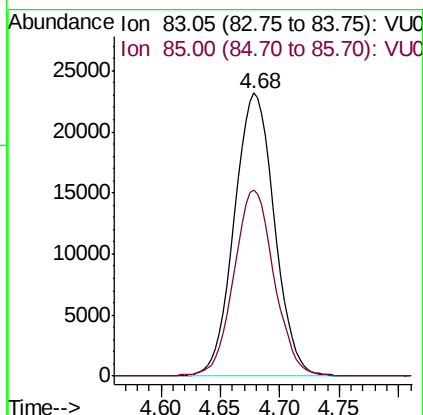
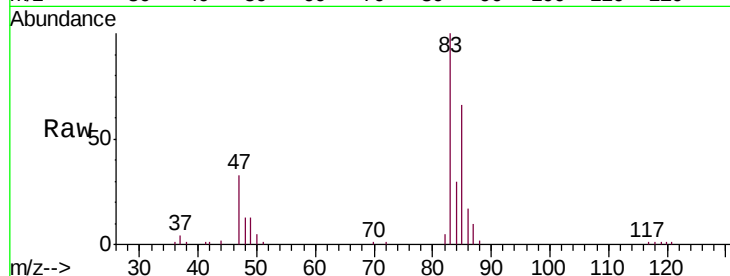




#25
Chloroform
Concen: 5.131 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

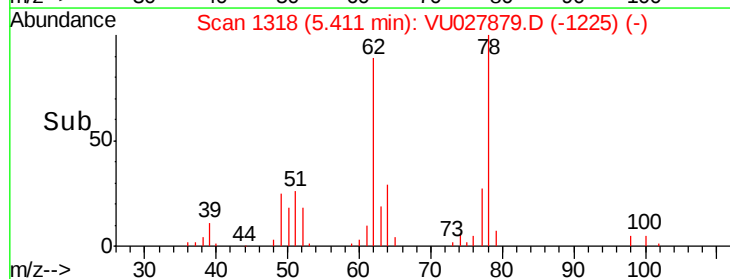
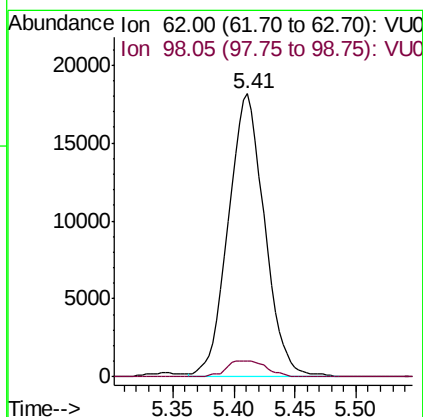
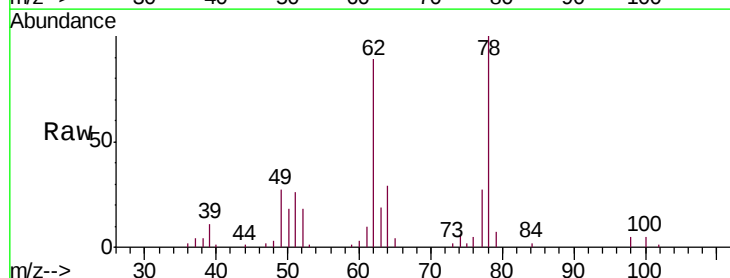
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

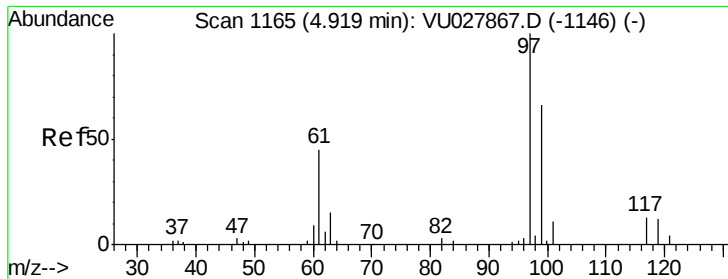
Tgt Ion: 83 Resp: 54158
Ion Ratio Lower Upper
83 100
85 65.5 44.0 81.8



#27
1,2-Dichloroethane
Concen: 5.108 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion: 62 Resp: 37620
Ion Ratio Lower Upper
62 100
98 5.8 6.3 9.5#

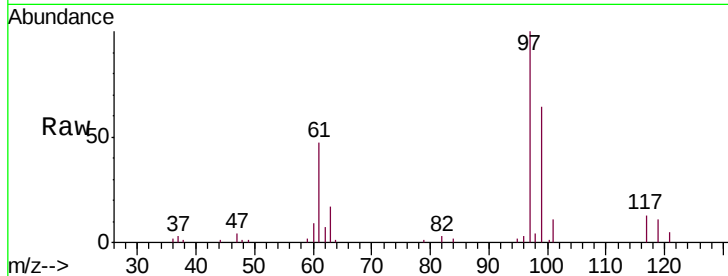




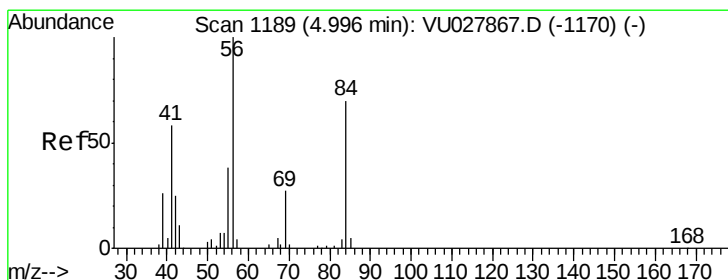
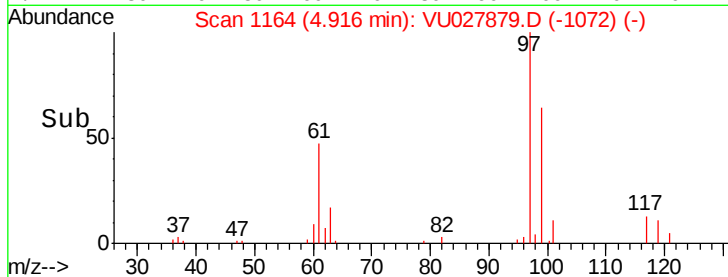
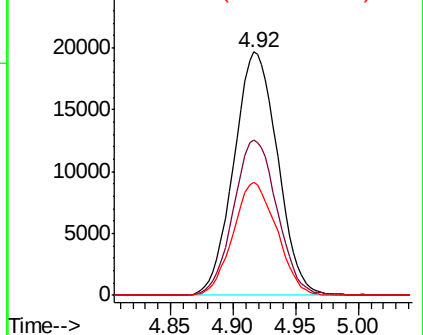
#29
 1,1,1-Trichloroethane
 Concen: 5.088 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion: 97 Resp: 47738
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.6 76.0
 61 46.2 35.8 53.6

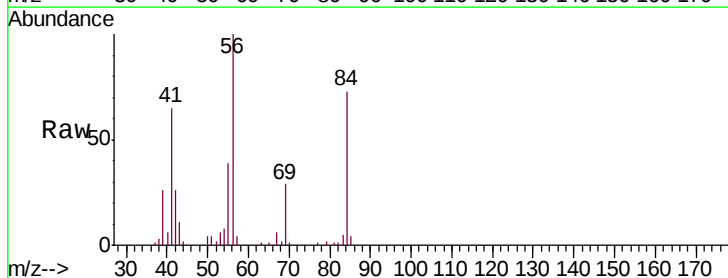


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

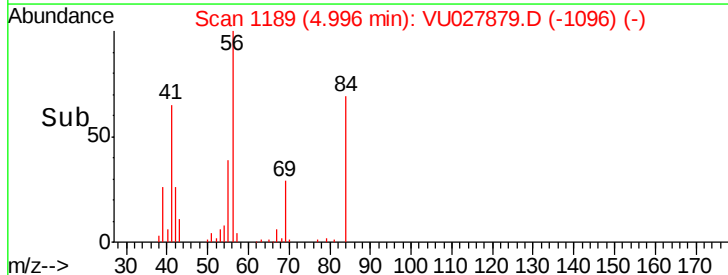
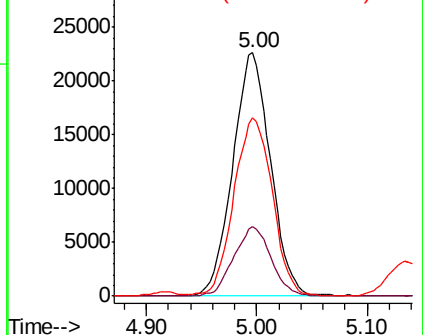


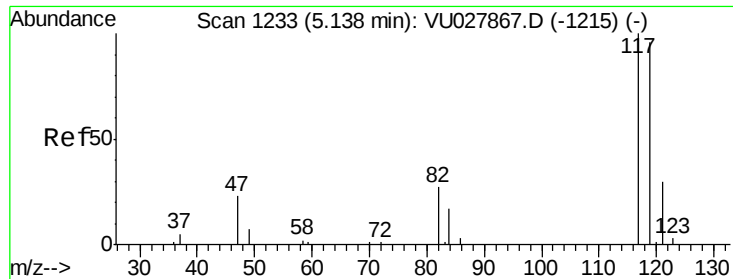
#30
 Cyclohexane
 Concen: 4.859 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Tgt Ion: 56 Resp: 53566
 Ion Ratio Lower Upper
 56 100
 69 28.1 22.7 34.1
 84 74.8 58.1 87.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

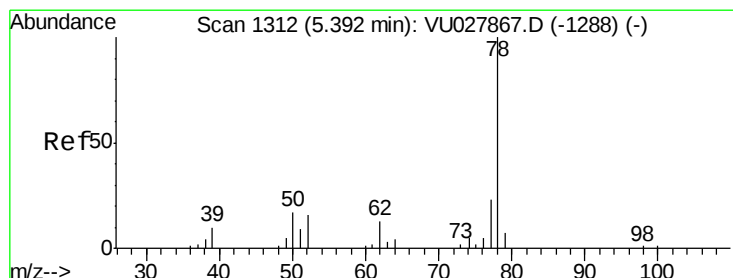
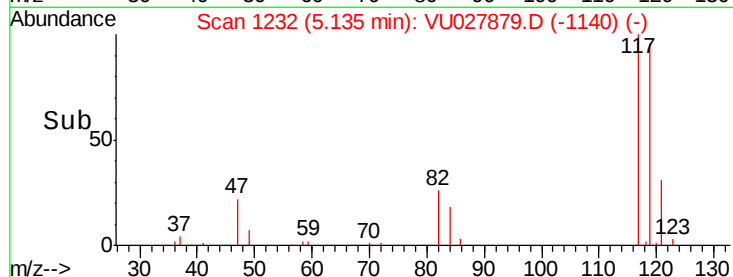
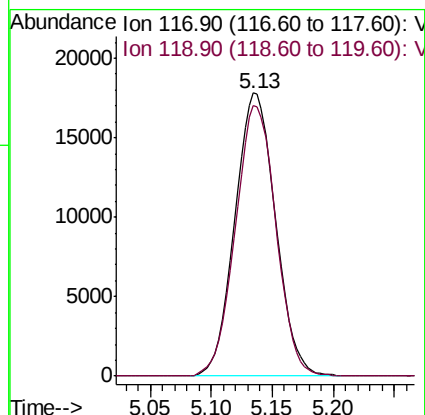
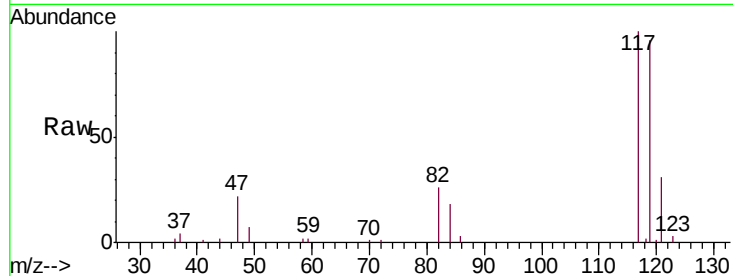




#31
Carbon tetrachloride
Concen: 5.100 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

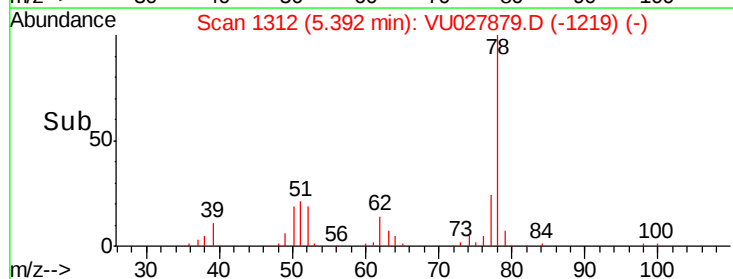
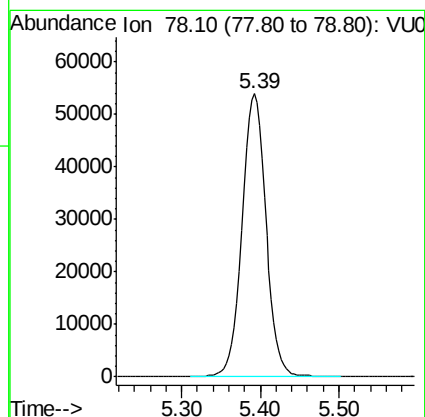
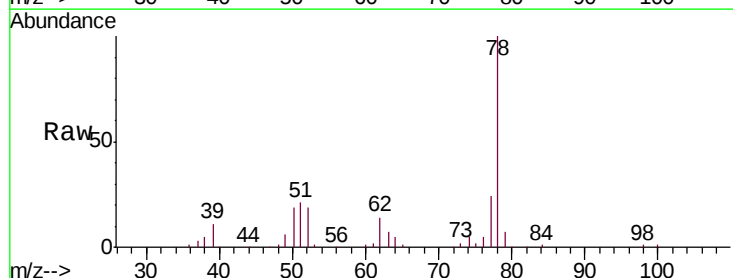
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

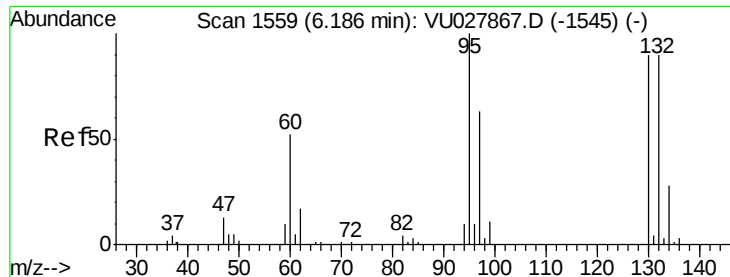
Tgt Ion:117 Resp: 41062
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7



#33
Benzene
Concen: 5.019 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion: 78 Resp: 115565





#34

Trichloroethene

Concen: 5.094 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

Tgt Ion: 95 Resp: 30531

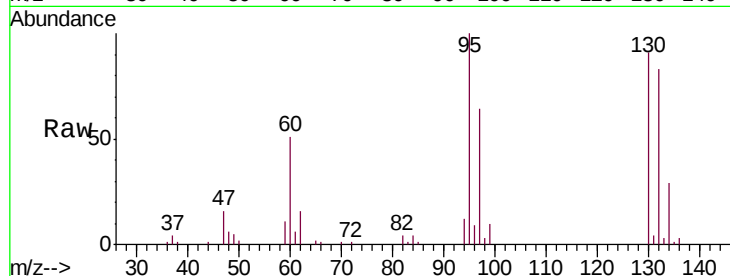
Ion Ratio Lower Upper

95 100

97 64.0 44.0 81.6

132 83.4 63.3 117.5

130 91.2 63.1 117.3

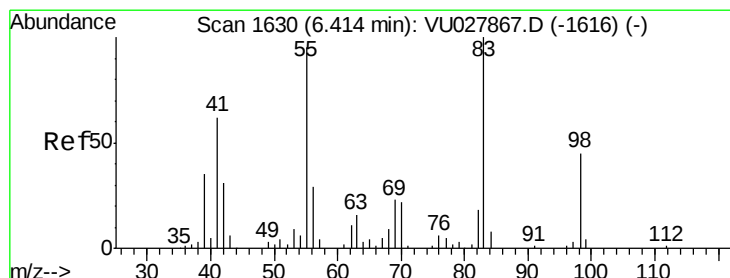
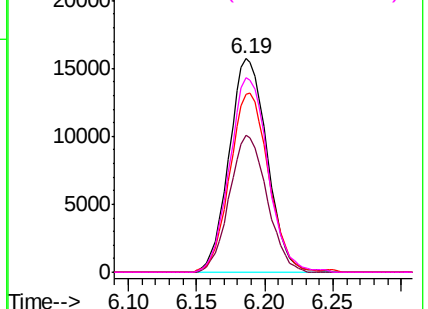
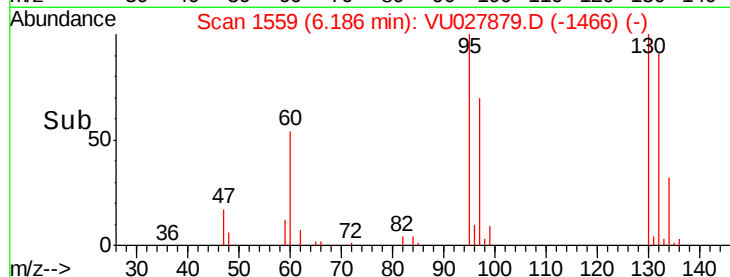


Abundance Ion 95.00 (94.70 to 95.70): VU027867.D (-1545) (-)

Ion 96.95 (96.65 to 97.65): VU027867.D (-1545) (-)

Ion 131.95 (131.65 to 132.65): VU027867.D (-1545) (-)

Ion 129.95 (129.65 to 130.65): VU027867.D (-1545) (-)



#35

Methylcyclohexane

Concen: 4.980 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

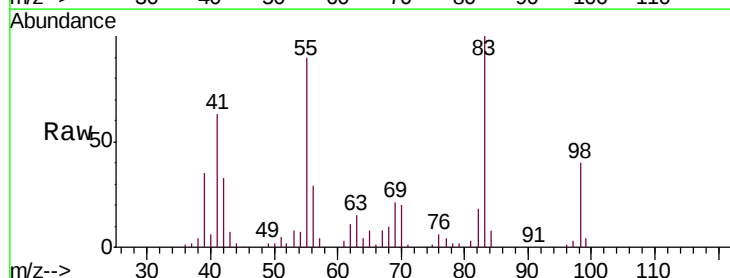
Tgt Ion: 83 Resp: 50770

Ion Ratio Lower Upper

83 100

55 88.3 73.4 110.0

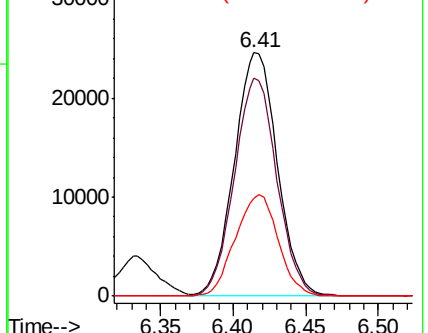
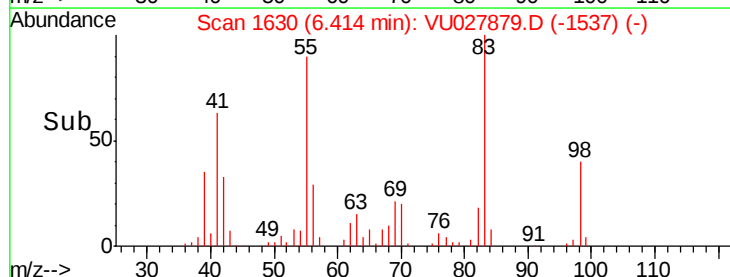
98 41.3 35.3 52.9

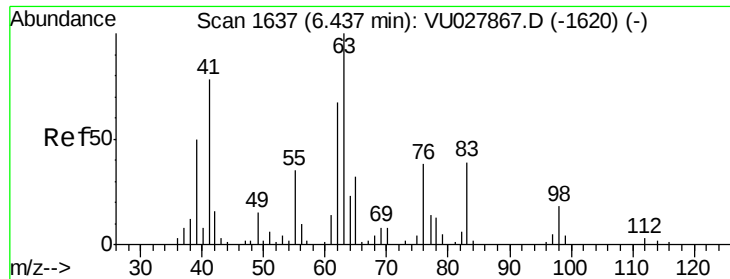


Abundance Ion 83.15 (82.85 to 83.85): VU027867.D (-1616) (-)

Ion 55.10 (54.80 to 55.80): VU027867.D (-1616) (-)

Ion 98.15 (97.85 to 98.85): VU027867.D (-1616) (-)

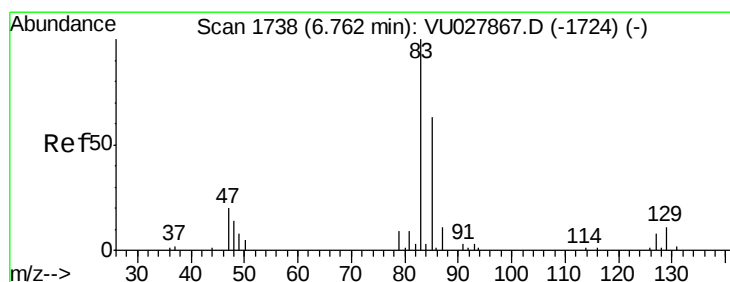
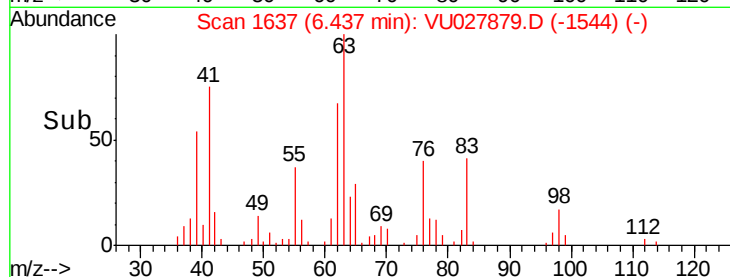
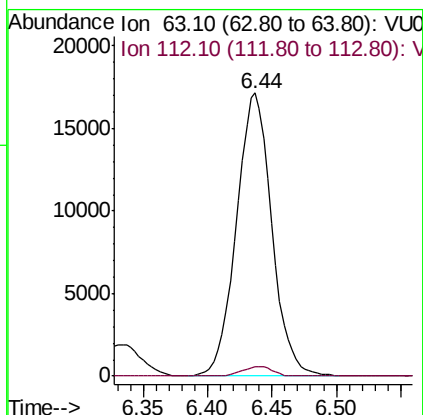
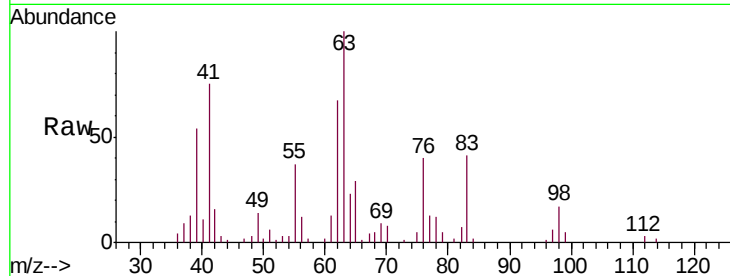




#37
 1,2-Dichloropropane
 Concen: 4.988 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

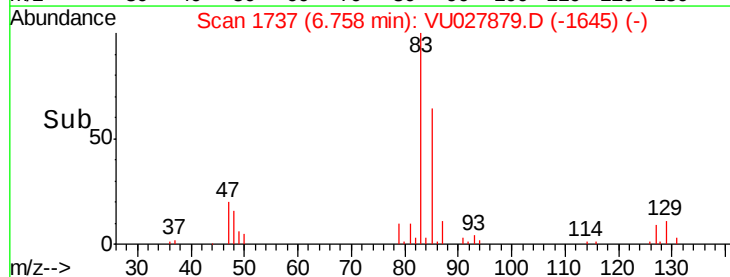
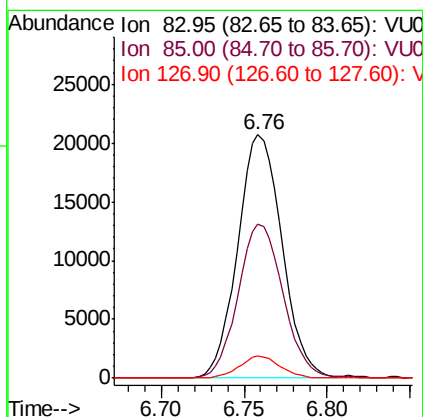
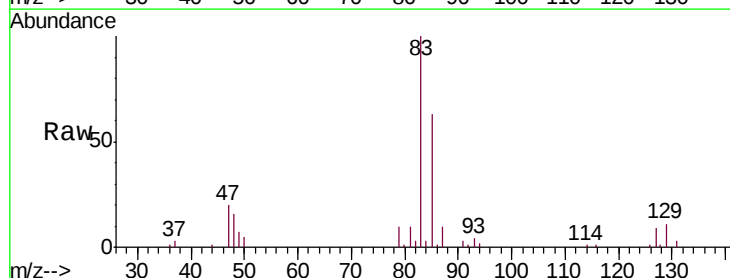
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

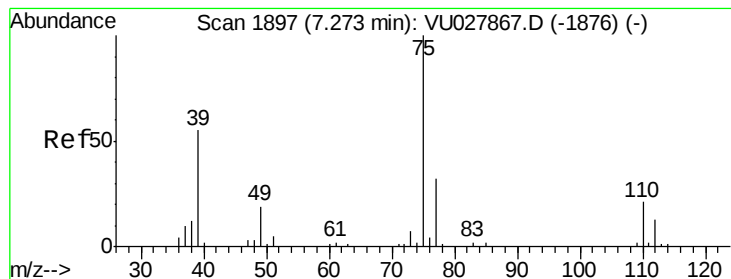
Tgt Ion: 63 Resp: 32721
 Ion Ratio Lower Upper
 63 100
 112 2.7 2.6 3.8



#38
 Bromodichloromethane
 Concen: 5.031 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Tgt Ion: 83 Resp: 38581
 Ion Ratio Lower Upper
 83 100
 85 63.0 43.8 81.4
 127 8.9 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 4.892 ug/L

RT: 7.27 min Scan# 1897

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

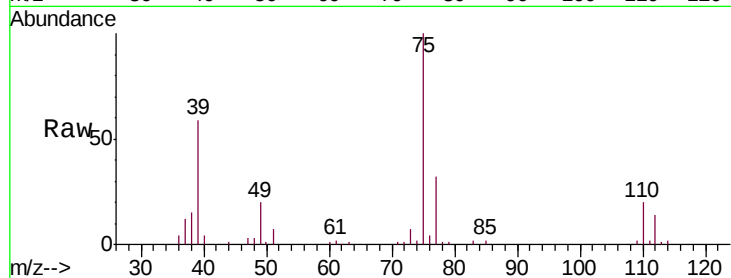
VSTD00549

Tgt Ion: 75 Resp: 45994

Ion Ratio Lower Upper

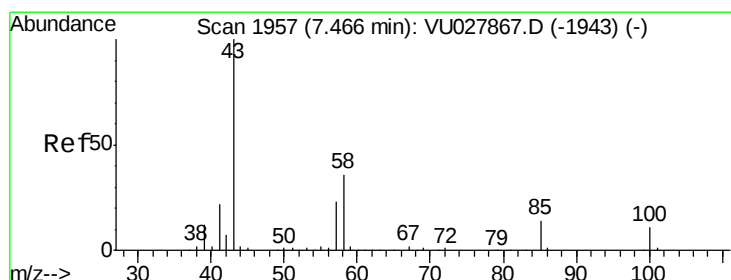
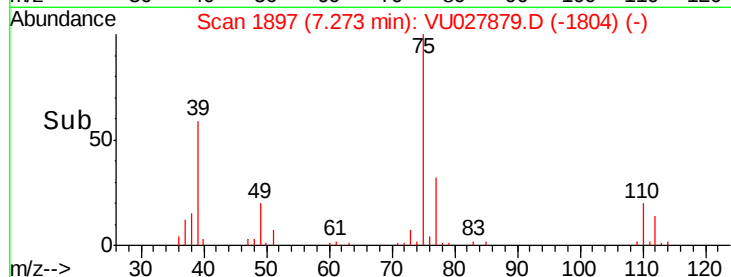
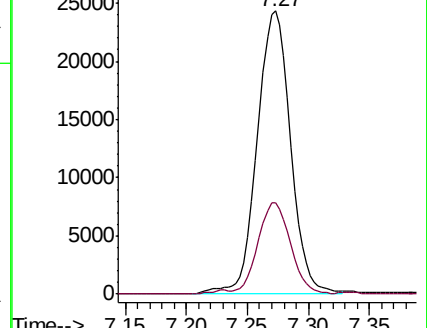
75 100

77 32.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU027867.D (-1876) (-)

Ion 77.05 (76.75 to 77.75): VU027867.D (-1876) (-)



#40

4-Methyl-2-pentanone

Concen: 50.743 ug/L

RT: 7.47 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

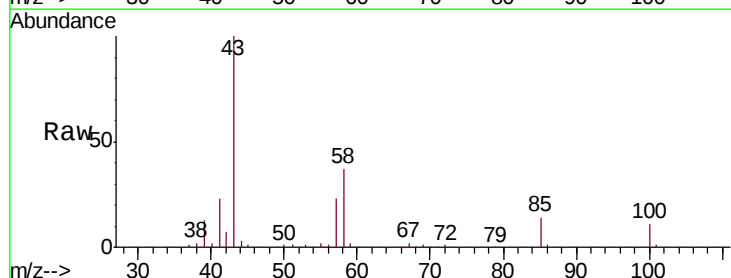
Tgt Ion: 43 Resp: 235147

Ion Ratio Lower Upper

43 100

58 36.4 28.5 42.7

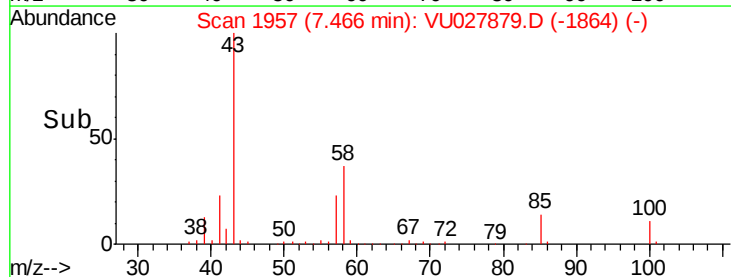
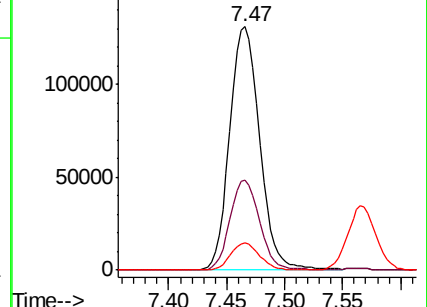
100 10.8 8.8 13.2

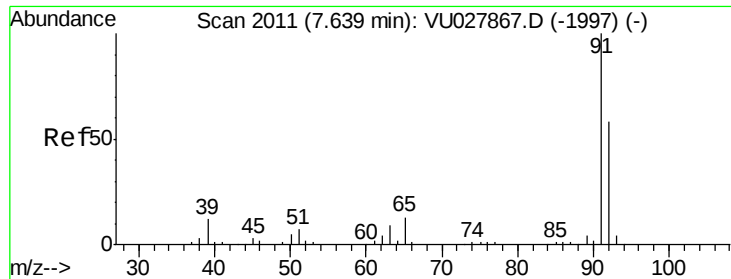


Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-1943) (-)

Ion 58.05 (57.75 to 58.75): VU027867.D (-1943) (-)

Ion 100.15 (99.85 to 100.85): VU027867.D (-1943) (-)





#42

Toluene

Concen: 5.023 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

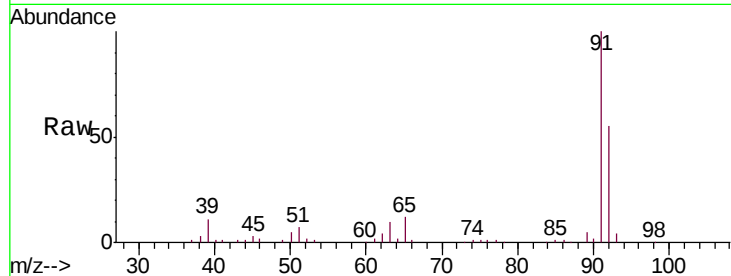
VSTD00549

Tgt Ion: 91 Resp: 120989

Ion Ratio Lower Upper

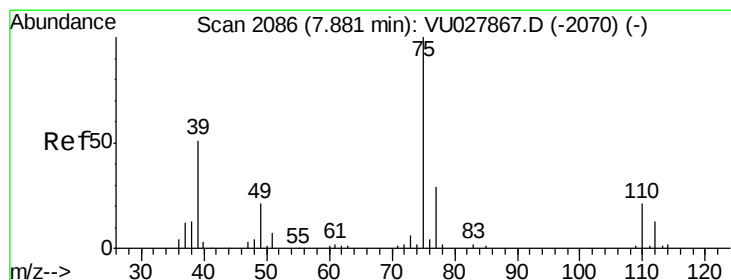
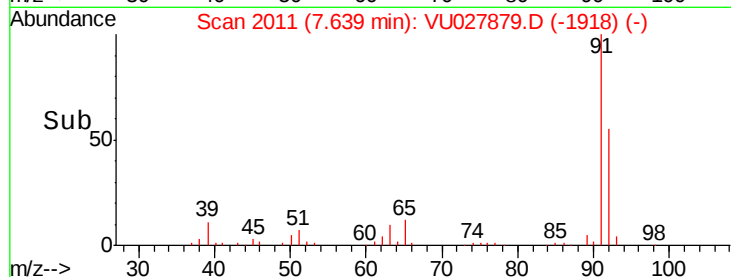
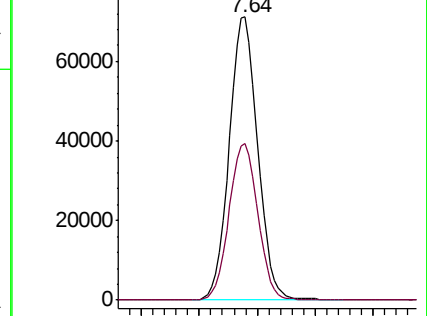
91 100

92 55.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.875 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027879.D

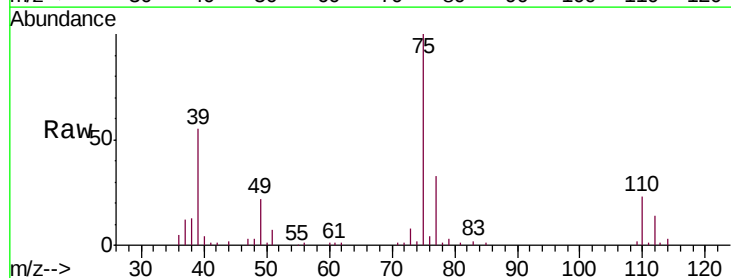
Acq: 30 Oct 2018 18:39

Tgt Ion: 75 Resp: 39316

Ion Ratio Lower Upper

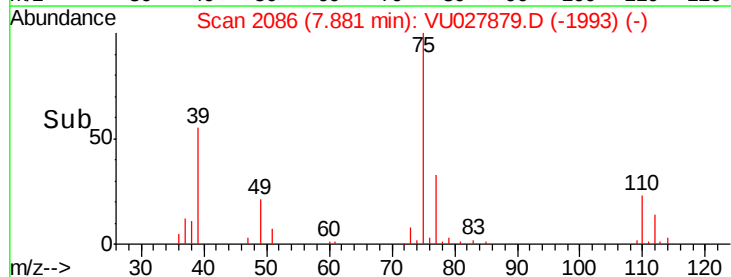
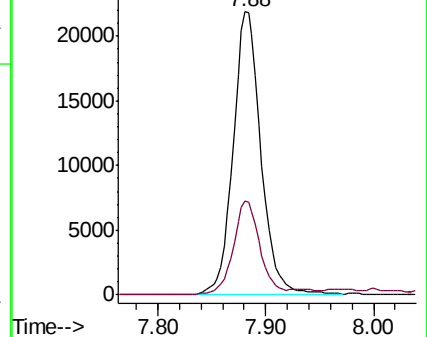
75 100

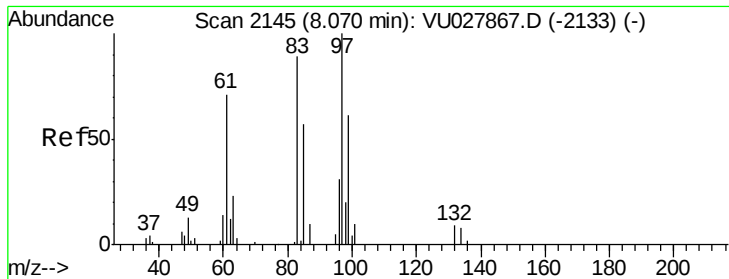
77 33.2 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 4.987 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

Tgt Ion: 97 Resp: 20119

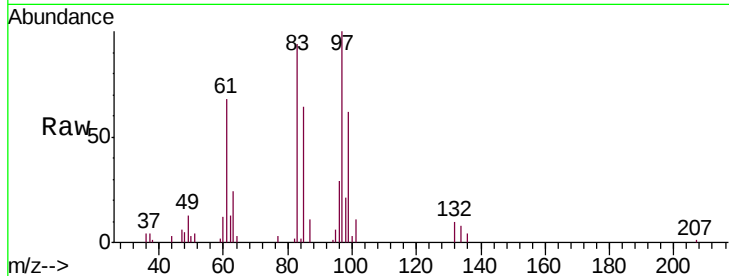
Ion Ratio Lower Upper

97 100

99 62.5 42.9 79.7

83 93.8 62.2 115.6

85 63.7 40.2 74.6

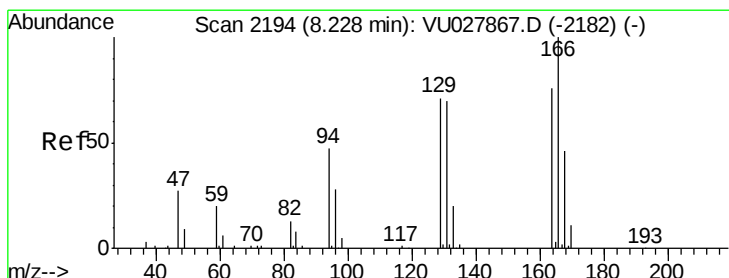
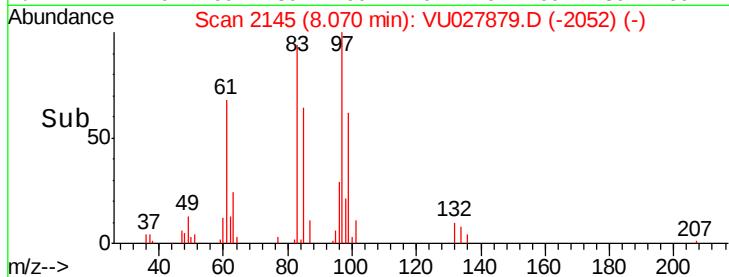
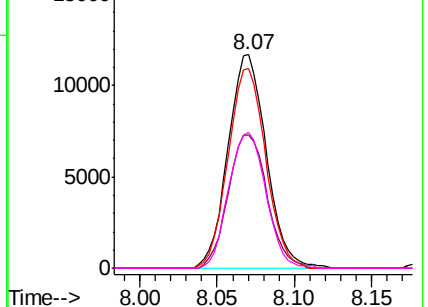


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.069 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Tgt Ion: 164 Resp: 23338

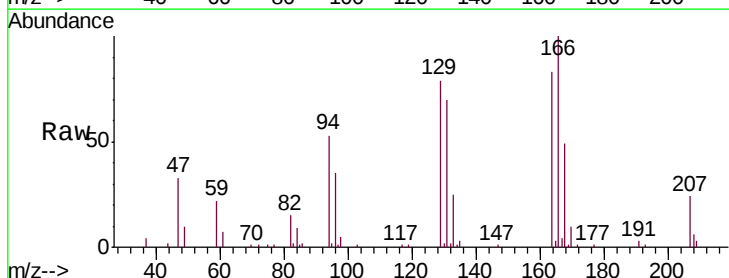
Ion Ratio Lower Upper

164 100

129 95.9 64.9 120.5

131 85.2 64.3 119.5

166 120.9 91.8 170.4

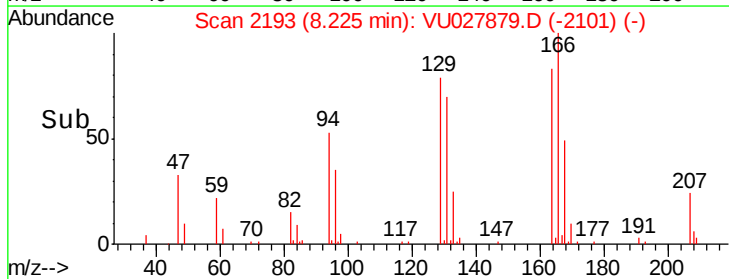
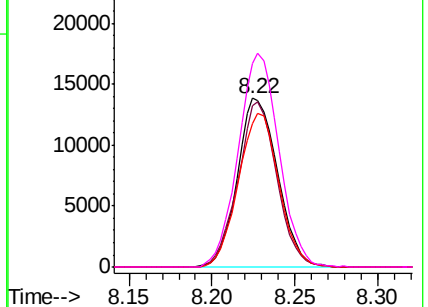


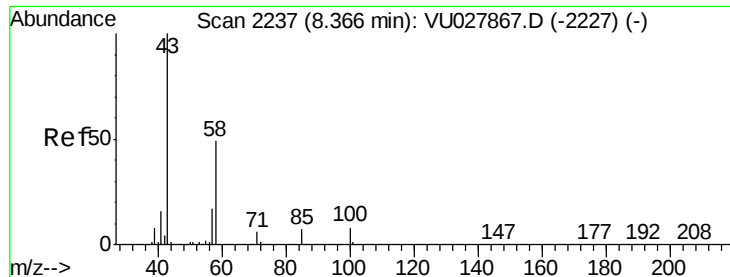
Abundance Ion 163.90 (163.60 to 164.60): V

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

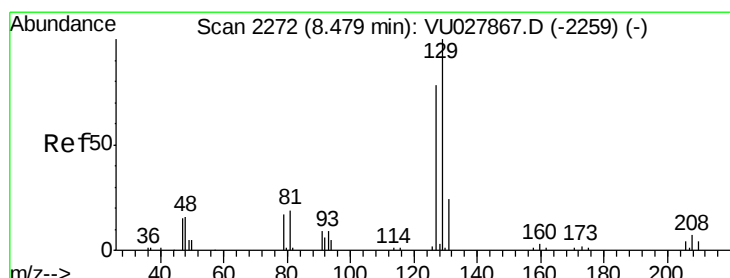
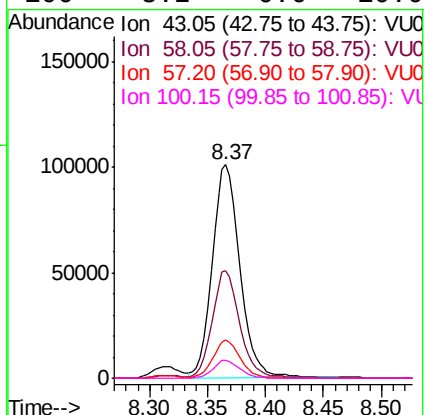
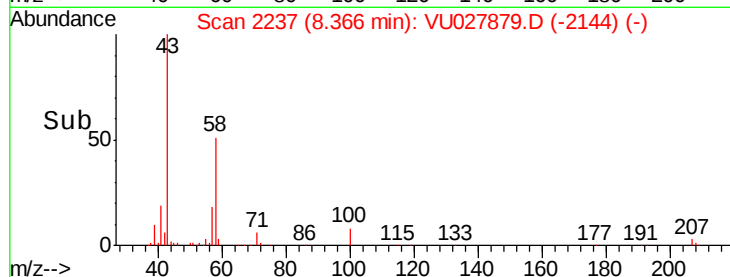
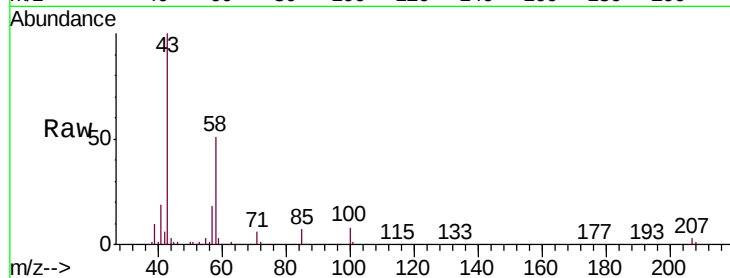




#48
2-Hexanone
Concen: 50.578 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

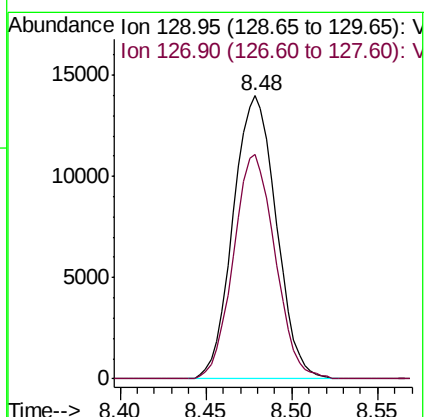
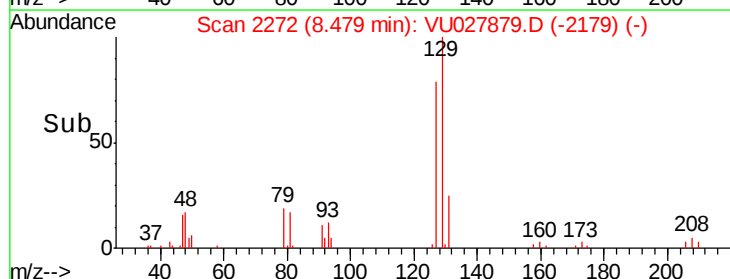
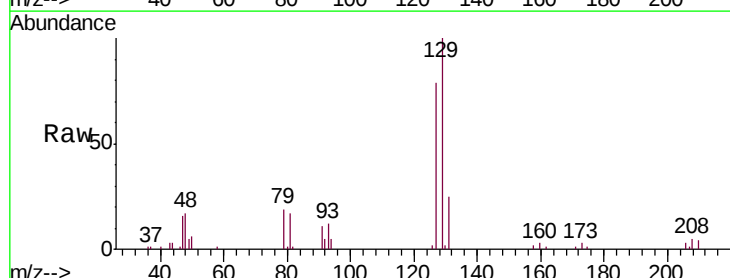
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

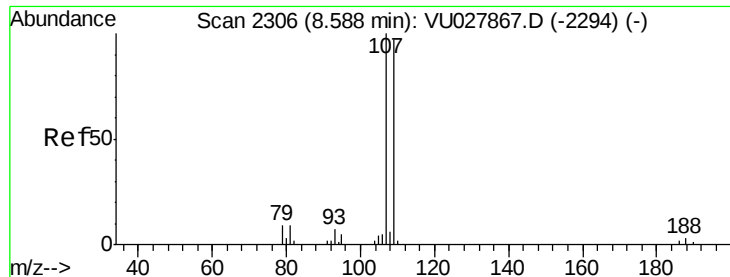
Tgt Ion: 43 Resp: 168969
Ion Ratio Lower Upper
43 100
58 50.4 38.9 58.3
57 17.7 13.3 19.9
100 8.2 6.6 10.0



#49
Dibromochloromethane
Concen: 5.017 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion: 129 Resp: 24448
Ion Ratio Lower Upper
129 100
127 79.2 54.5 101.1

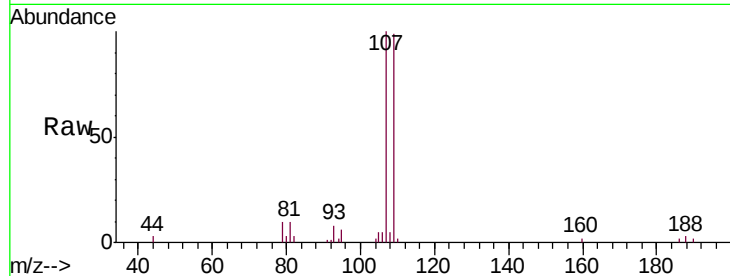




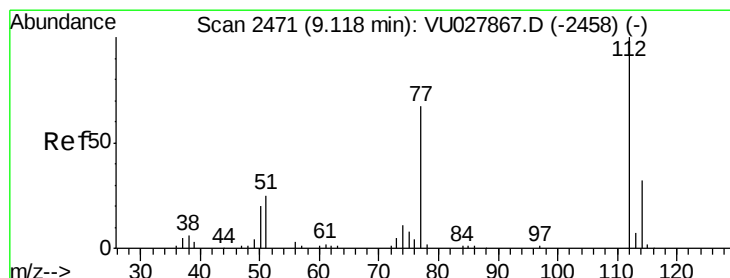
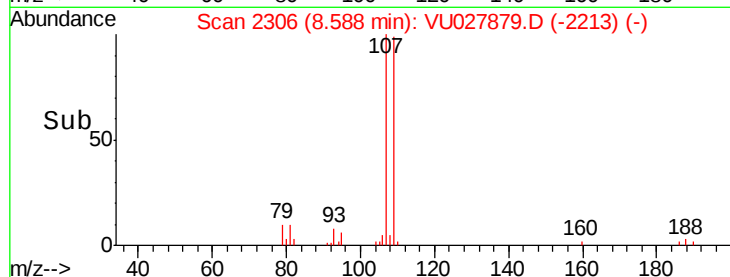
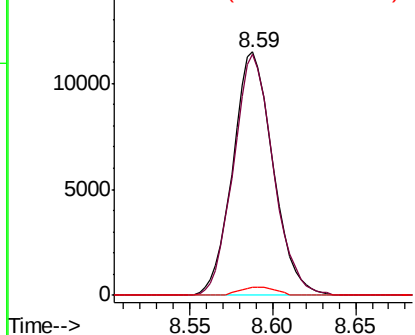
#50
1,2-Dibromoethane
Concen: 5.023 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Tgt Ion:107 Resp: 19390
Ion Ratio Lower Upper
107 100
109 99.0 68.0 126.4
188 3.2 2.7 4.1

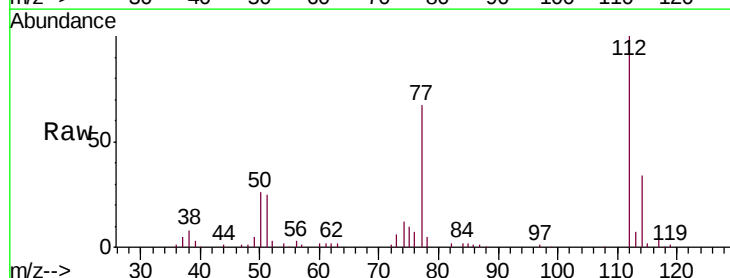


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

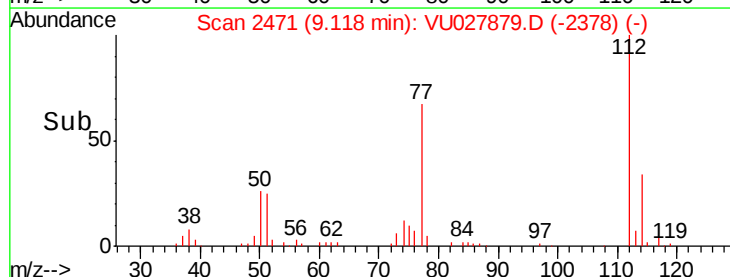
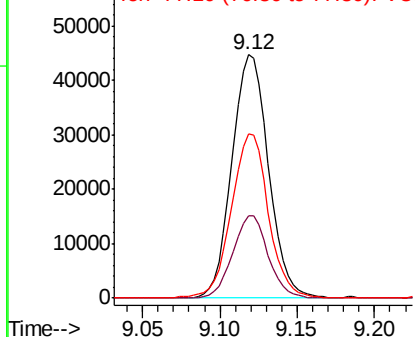


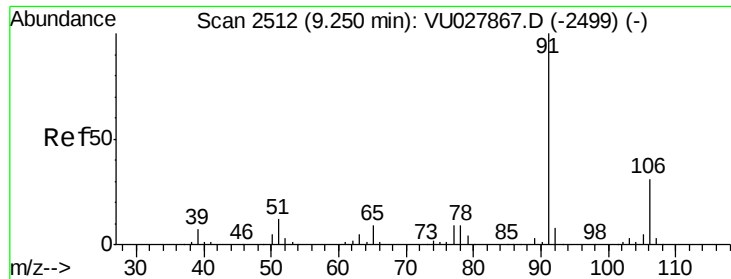
#51
Chlorobenzene
Concen: 4.920 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion:112 Resp: 73532
Ion Ratio Lower Upper
112 100
114 33.8 22.0 41.0
77 67.3 54.3 81.5



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

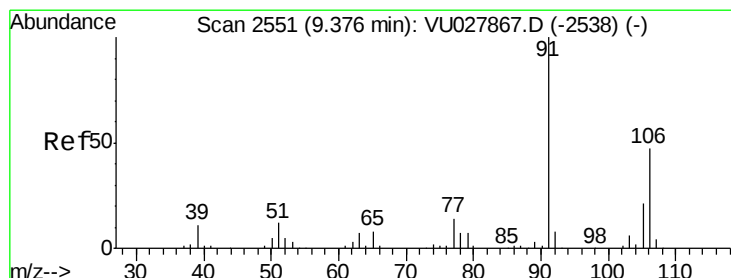
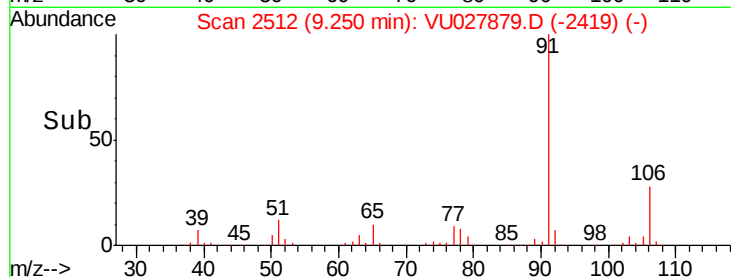
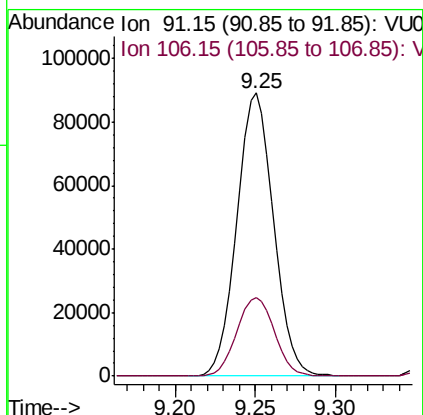
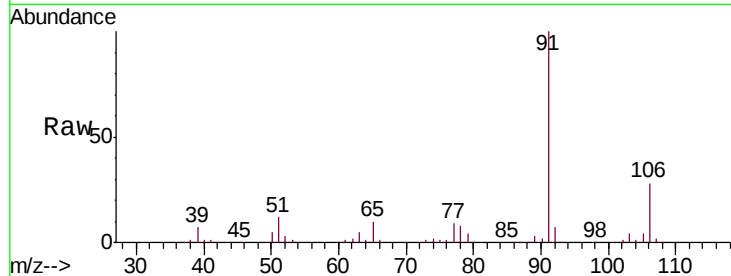




#52
Ethylbenzene
Concen: 5.063 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

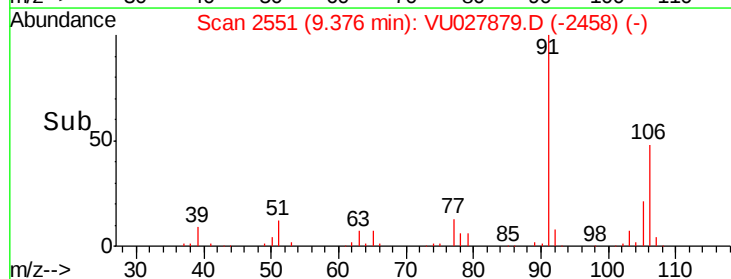
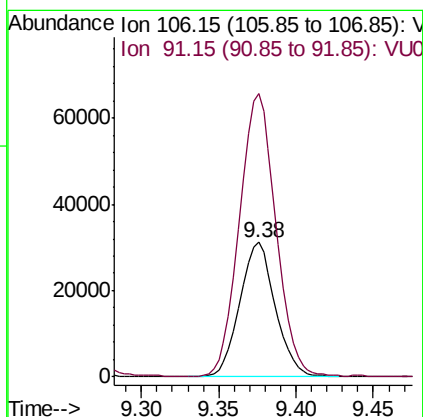
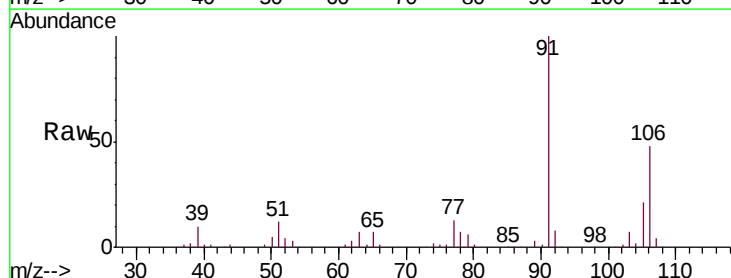
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

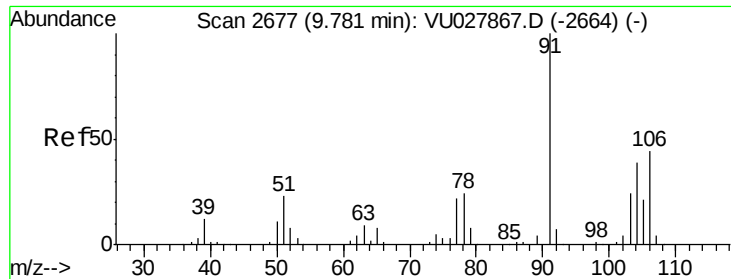
Tgt Ion: 91 Resp: 139063
Ion Ratio Lower Upper
91 100
106 27.6 21.5 39.9



#53
m,p-xylene
Concen: 5.016 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion: 106 Resp: 49951
Ion Ratio Lower Upper
106 100
91 210.5 148.7 276.1

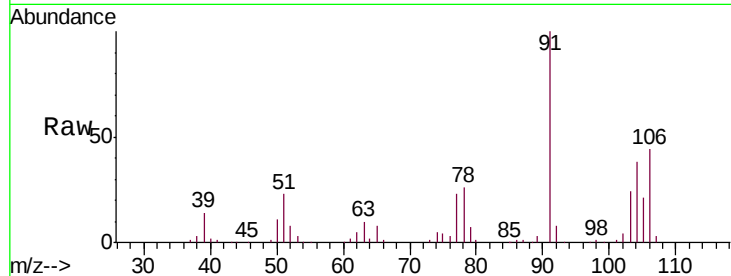




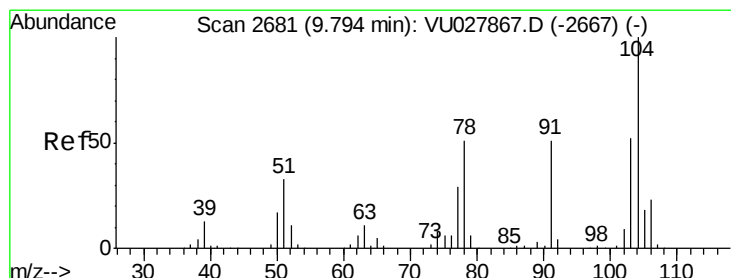
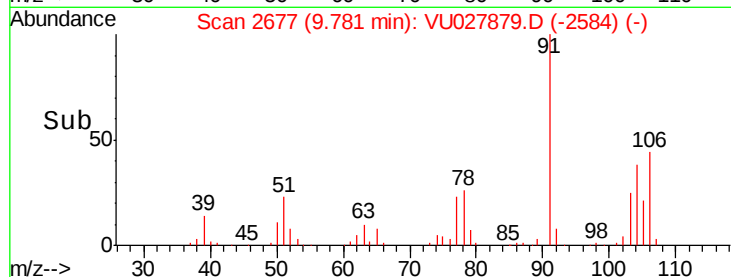
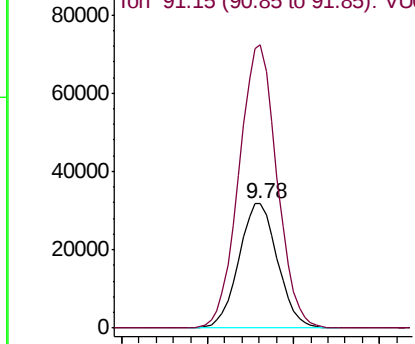
#54
o-xylene
Concen: 5.097 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Tgt Ion:106 Resp: 49862
Ion Ratio Lower Upper
106 100
91 227.3 158.3 293.9

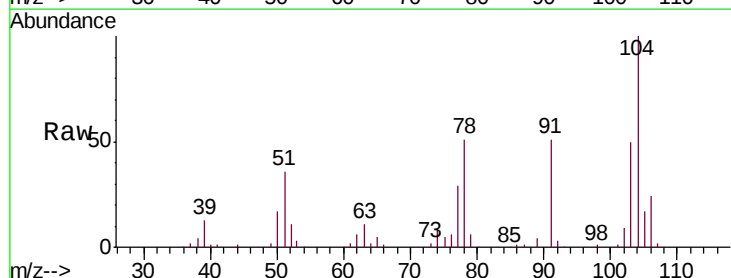


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

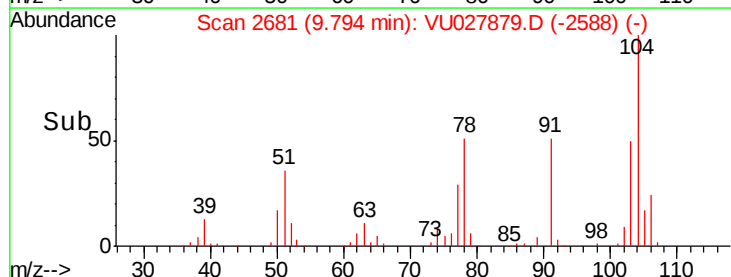
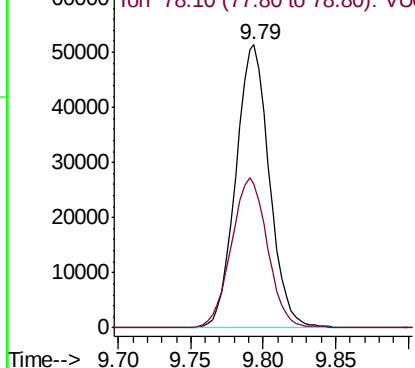


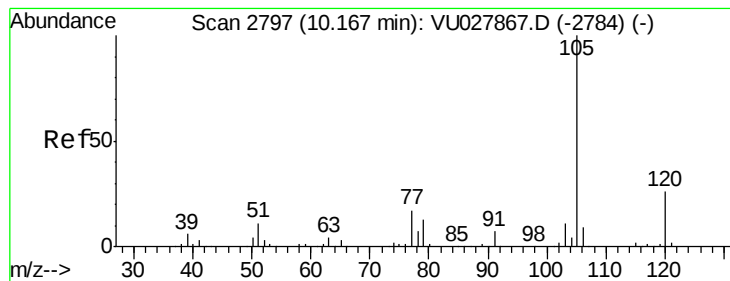
#55
Styrene
Concen: 5.044 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027879.D
Acq: 30 Oct 2018 18:39

Tgt Ion:104 Resp: 82708
Ion Ratio Lower Upper
104 100
78 51.0 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.044 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

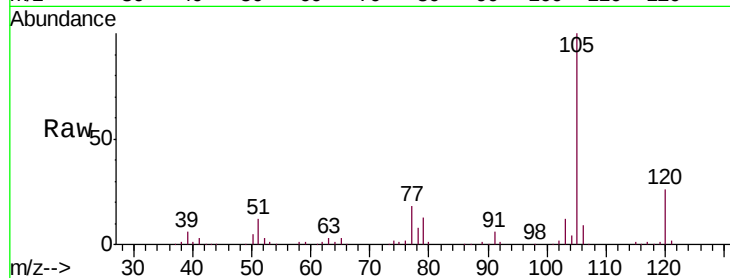
Tgt Ion: 105 Resp: 134415

Ion Ratio Lower Upper

105 100

120 25.6 20.2 30.2

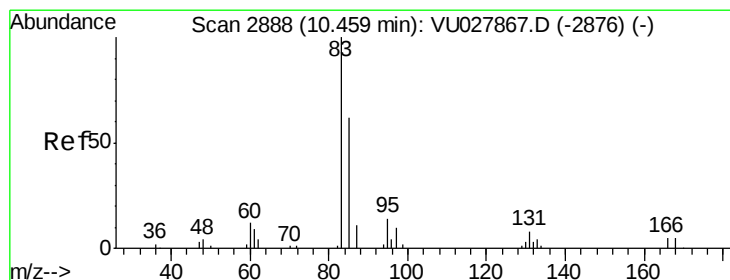
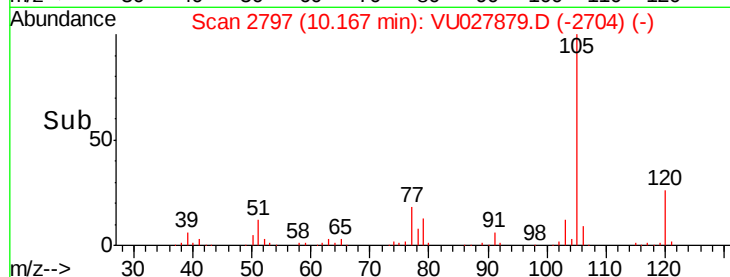
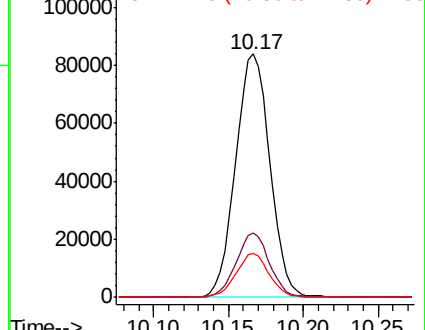
77 17.3 13.4 20.2



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: 5.144 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

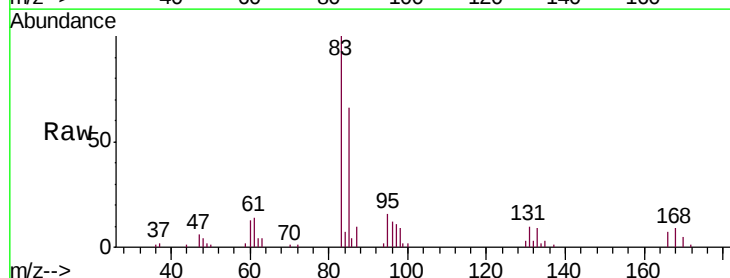
Tgt Ion: 83 Resp: 27066

Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.4

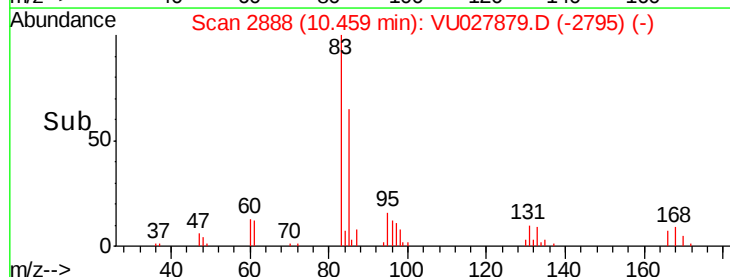
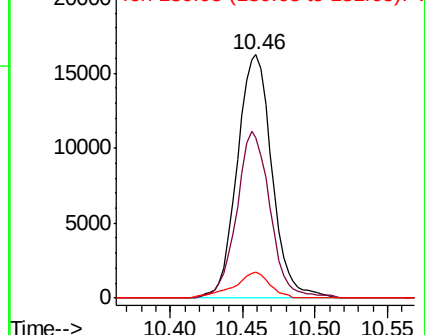
131 10.5 6.8 10.2#

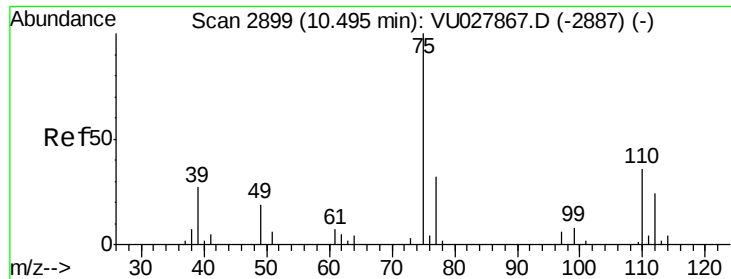


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

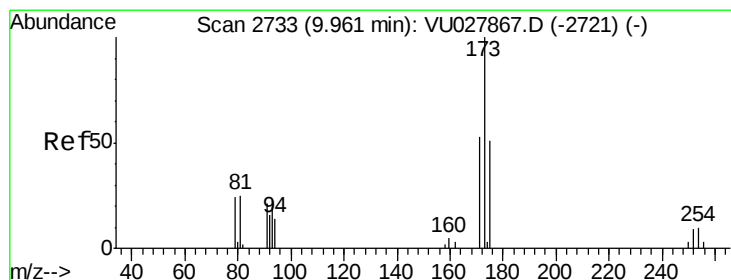
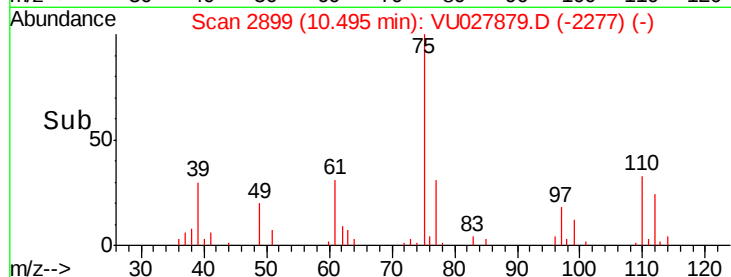
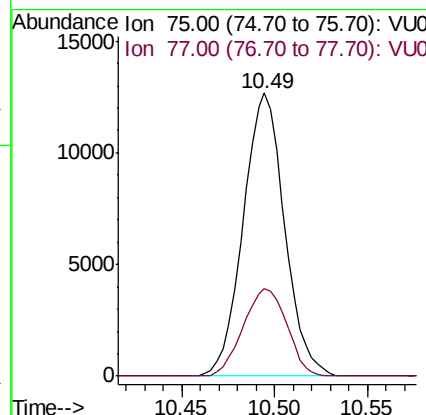
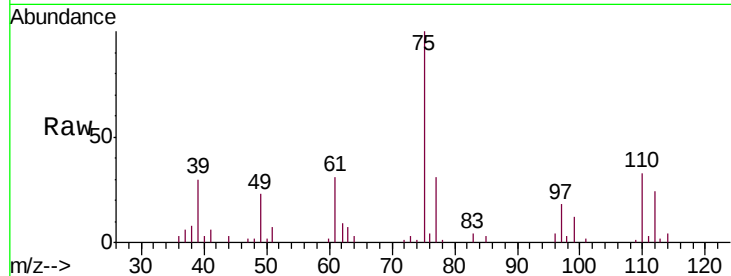




#59
 1,2,3-Trichloropropane
 Concen: 4.938 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

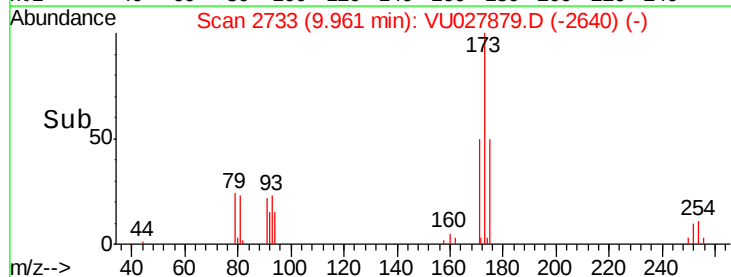
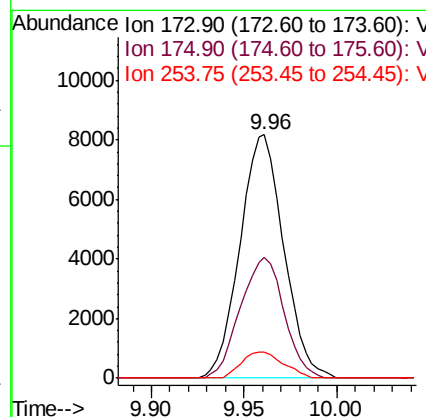
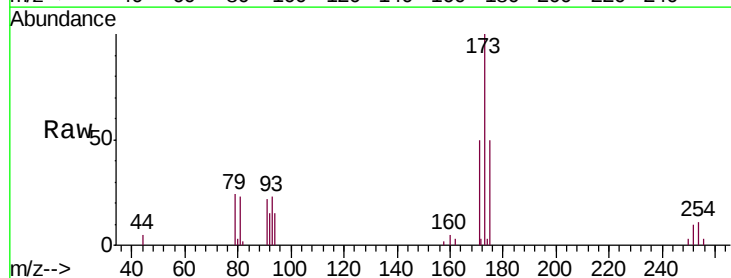
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

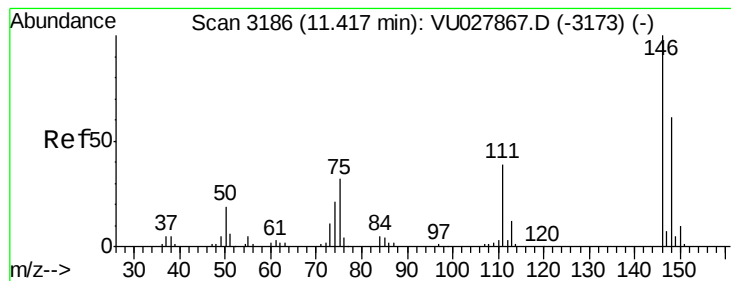
Tgt Ion: 75 Resp: 19633
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.6



#61
 Bromoform
 Concen: 4.892 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Tgt Ion: 173 Resp: 13380
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.3 57.5
 254 10.4 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 5.071 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

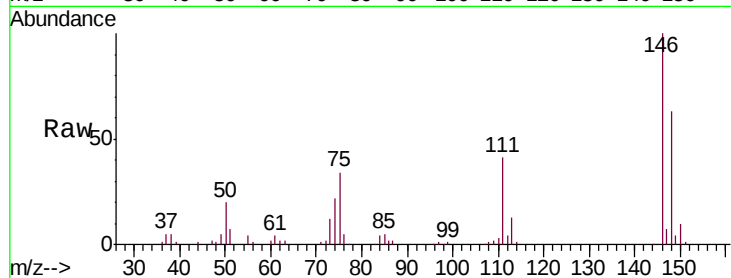
Tgt Ion:146 Resp: 60636

Ion Ratio Lower Upper

146 100

111 40.7 27.4 51.0

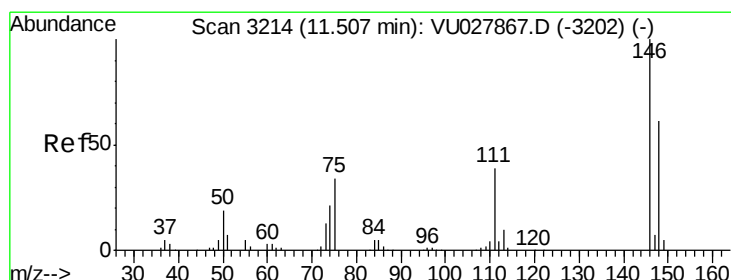
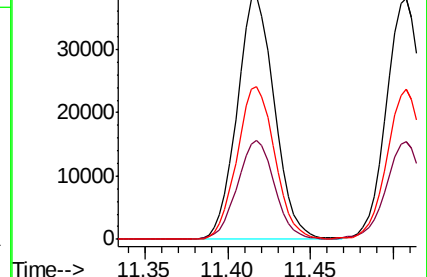
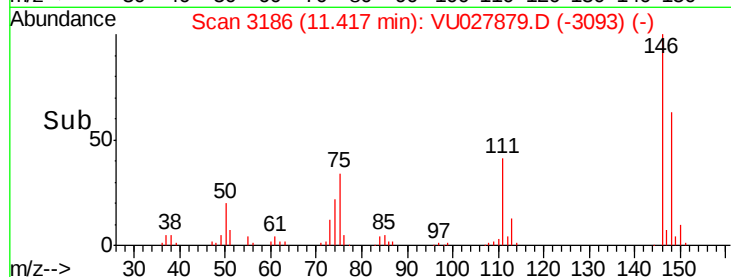
148 62.6 42.6 79.0



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: 4.953 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

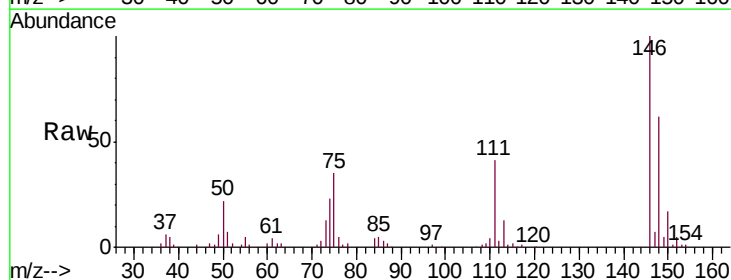
Tgt Ion:146 Resp: 59205

Ion Ratio Lower Upper

146 100

111 40.5 27.4 51.0

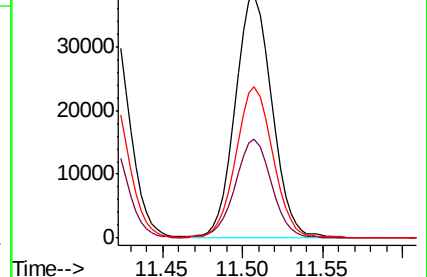
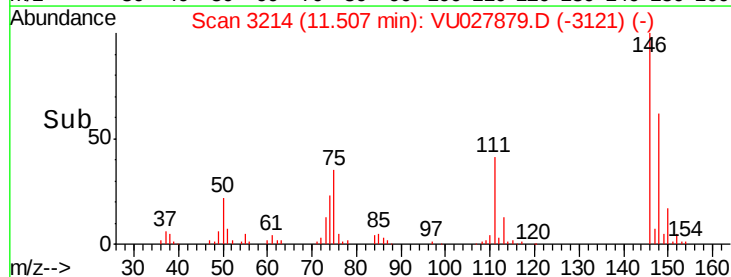
148 62.1 43.1 80.1

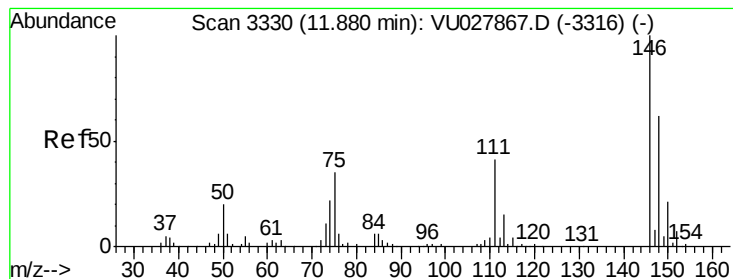


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.043 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

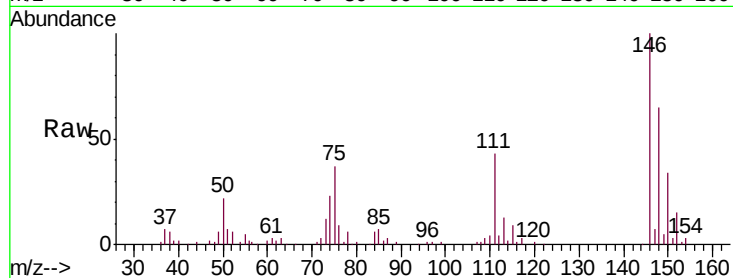
Tgt Ion:146 Resp: 56944

Ion Ratio Lower Upper

146 100

111 43.1 33.0 49.4

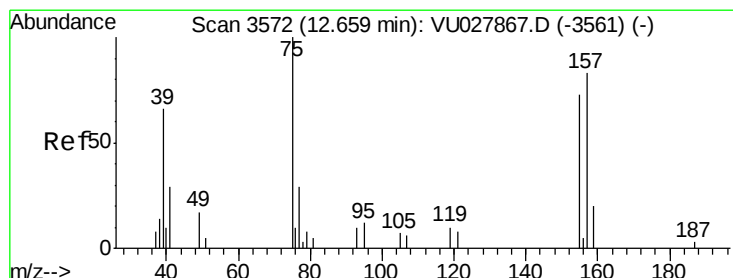
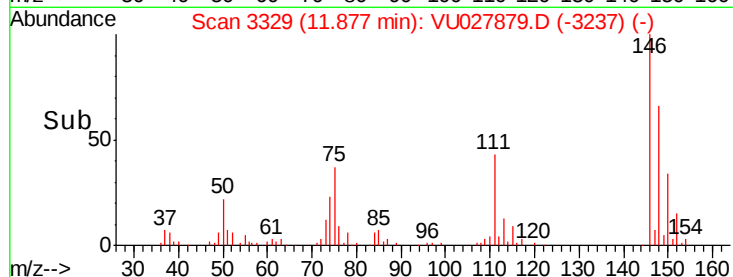
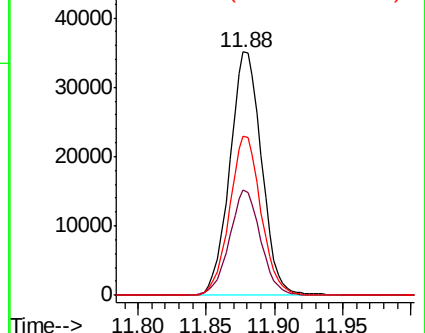
148 65.3 49.2 73.8



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: 5.105 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

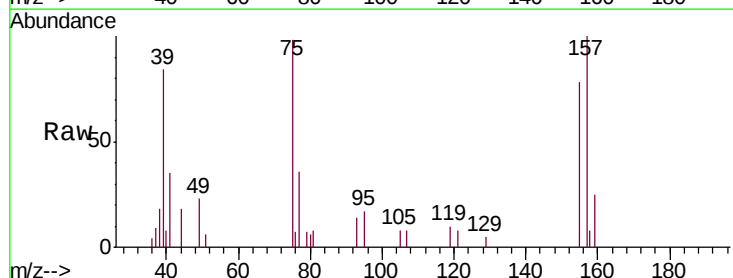
Tgt Ion: 75 Resp: 4517

Ion Ratio Lower Upper

75 100

155 80.2 58.6 87.8

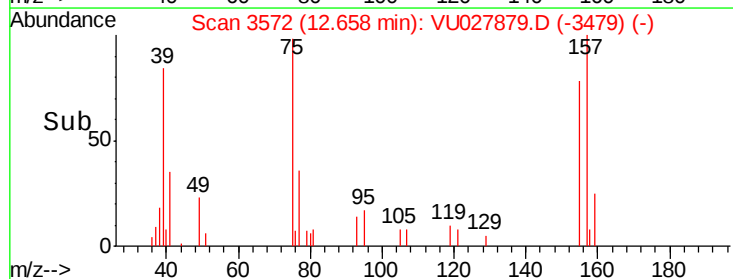
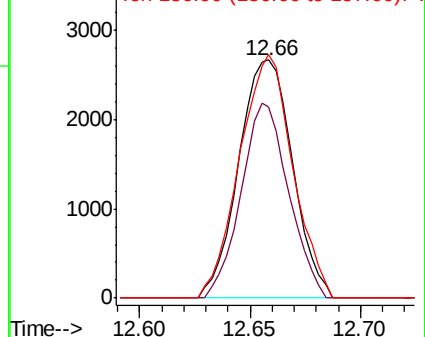
157 102.3 66.7 100.1#

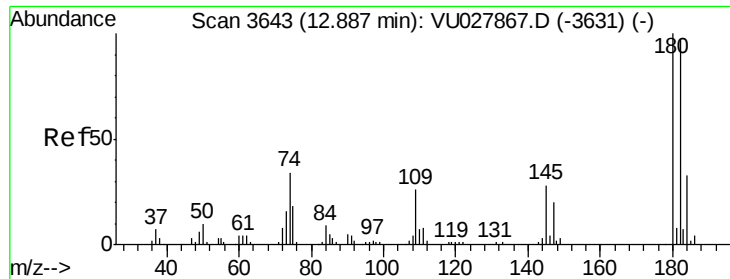


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

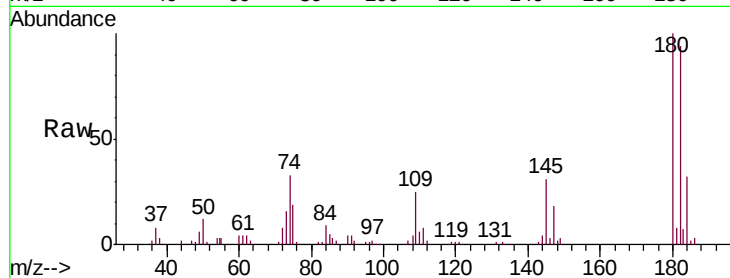




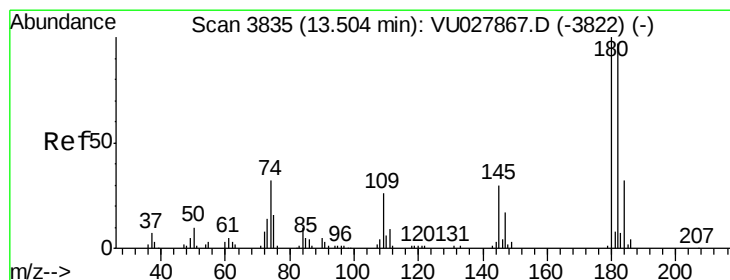
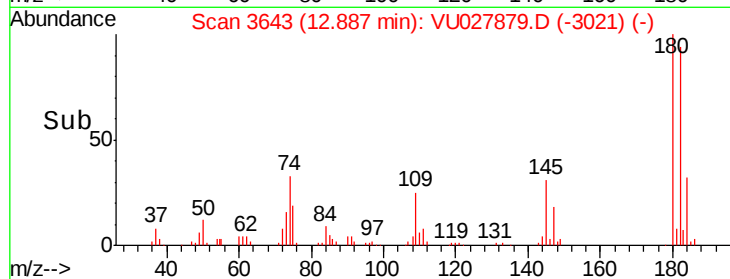
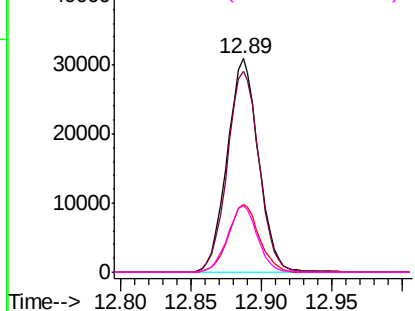
#67
 1,3,5-Trichlorobenzene
 Concen: 5.001 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion:180 Resp: 48128
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.3 115.9
 184 31.0 24.6 37.0
 145 29.6 23.0 34.6

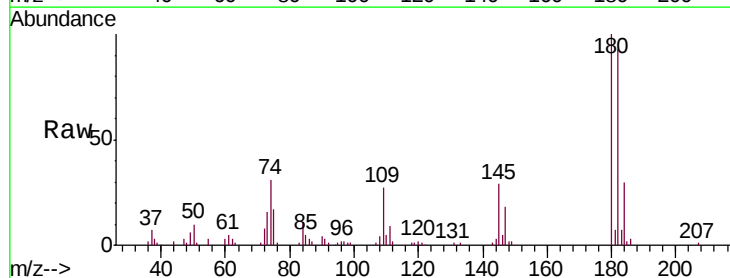


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

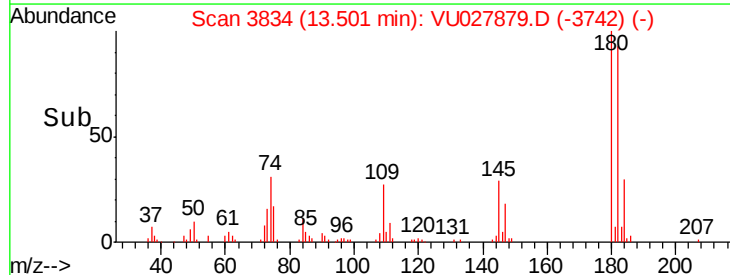
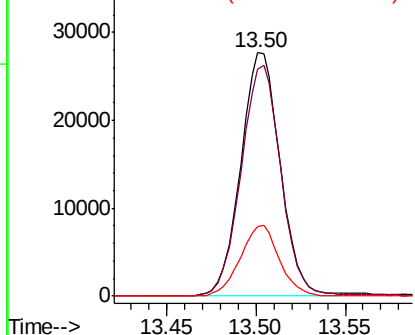


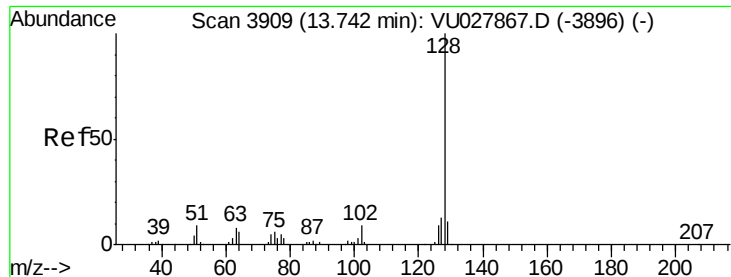
#68
 1,2,4-trichlorobenzene
 Concen: 5.239 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027879.D
 Acq: 30 Oct 2018 18:39

Tgt Ion:180 Resp: 42876
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.8 116.6
 145 28.7 22.9 34.3



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





#69

Naphthalene

Concen: 5.295 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

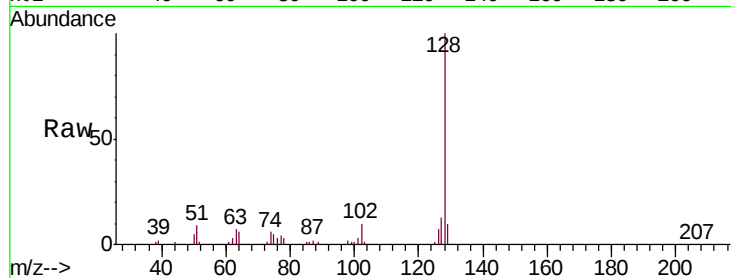
Tgt Ion:128 Resp: 67385

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

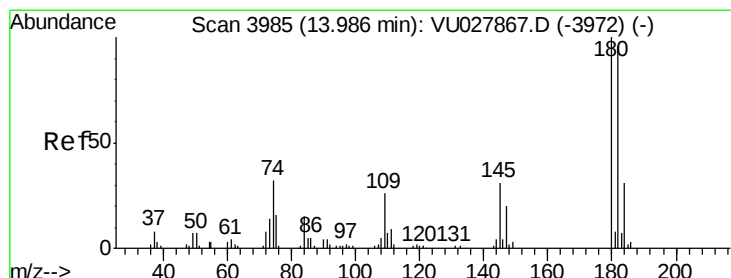
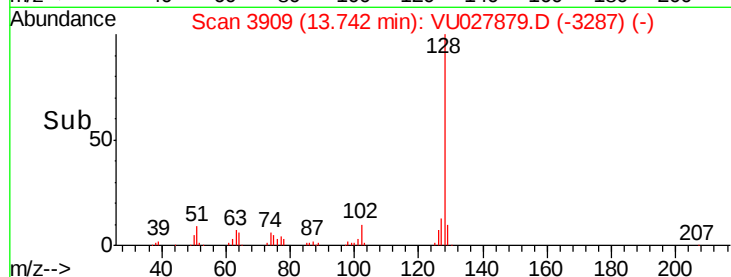
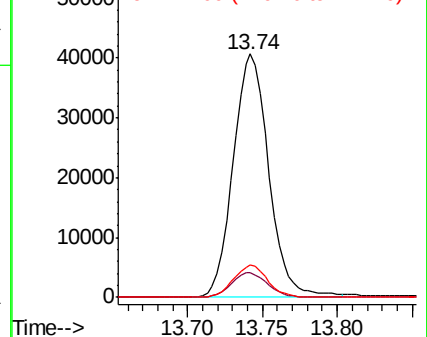
127 12.6 10.5 15.7



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: 5.143 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027879.D

Acq: 30 Oct 2018 18:39

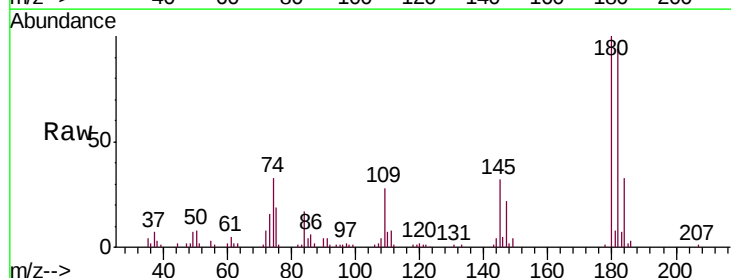
Tgt Ion:180 Resp: 38334

Ion Ratio Lower Upper

180 100

182 95.0 79.4 119.0

145 31.2 25.4 38.0



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

