

Data File : VU027130.D
Acq On : 25 Sep 2018 13:45
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Quant Time: Sep 26 02:27:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 02:22:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	190874	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180917	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85373	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81690	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.22%
7) Chloroethane-d5	1.68	69	65147	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.98%
11) 1,1-Dichloroethene-d2	2.27	63	155359	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.20%
21) 2-Butanone-d5	4.18	46	138347	100.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.20%
24) Chloroform-d	4.65	84	137521	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
26) 1,2-Dichloroethane-d4	5.31	65	92645	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.34	84	273869	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.32%
36) 1,2-Dichloropropane-d6	6.33	67	96510	50.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.16%
41) Toluene-d8	7.57	98	243544	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%
43) trans-1,3-Dichloropropene-	7.85	79	44504	52.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.46%
47) 2-Hexanone-d5	8.31	63	97033	105.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127371	49.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	84169	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	92049	49.380 ug/L	100
3) Chloromethane	1.33	50	116709	49.261 ug/L	99
5) Vinyl chloride	1.40	62	106339	47.821 ug/L	99
6) Bromomethane	1.62	94	47222	49.844 ug/L	96
8) Chloroethane	1.70	64	63627	49.119 ug/L	99
9) Trichlorofluoromethane	1.88	101	116478	49.182 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	66980	49.271 ug/L	100
12) 1,1-Dichloroethene	2.28	96	60484	48.037 ug/L	90
13) Acetone	2.32	43	123401	96.776 ug/L	99
14) Carbon disulfide	2.48	76	208749	47.634 ug/L	100
15) Methyl Acetate	2.61	43	108725	46.928 ug/L	99
16) Methylene chloride	2.70	84	77368	47.822 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	66731	48.613 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	238089	49.777 ug/L	99
19) 1,1-Dichloroethane	3.45	63	151078	47.889 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	76568	49.561 ug/L	98
22) 2-Butanone	4.26	43	165998	99.799 ug/L	99

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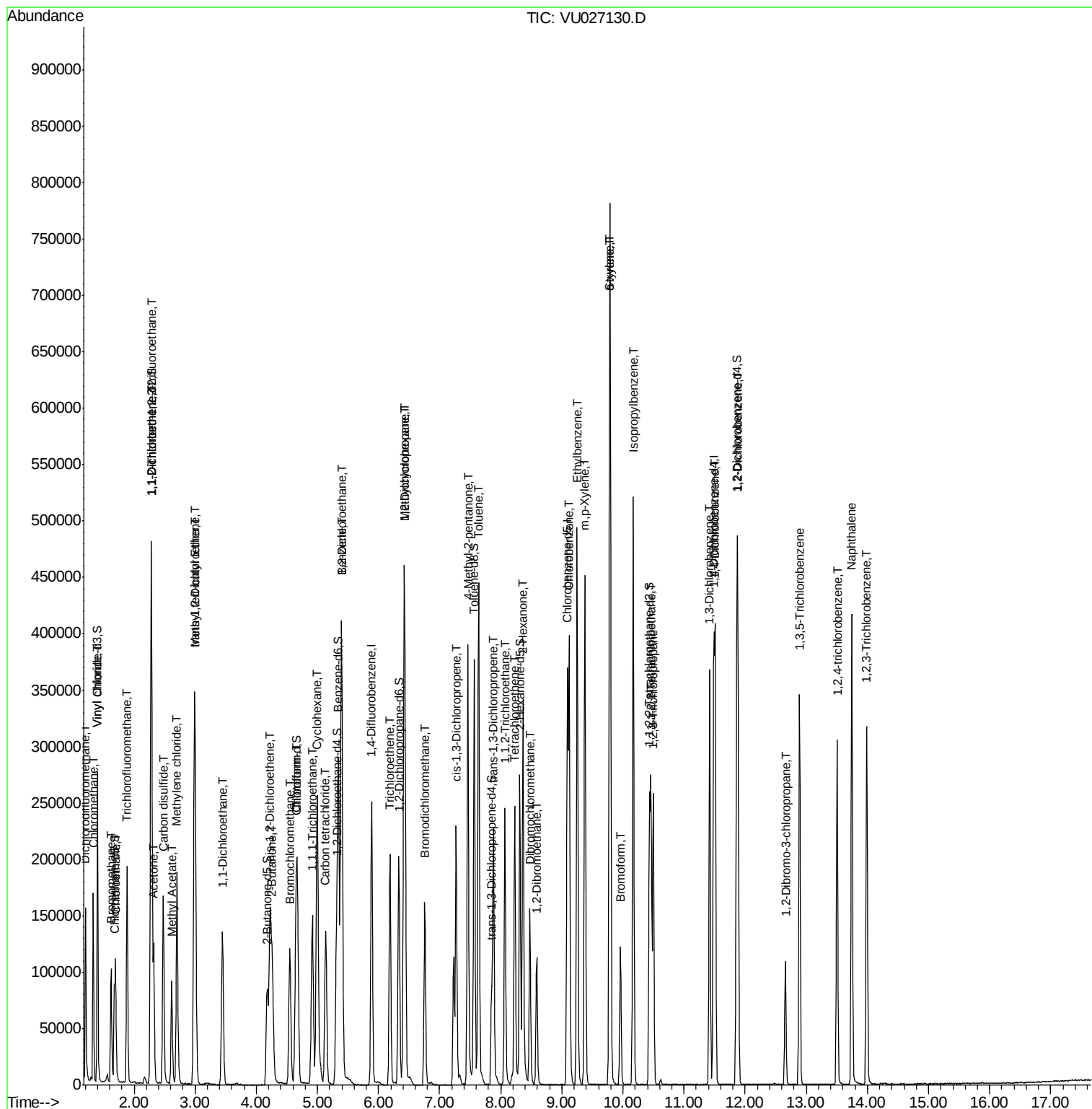
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35049	48.244	ug/L	96
25) Chloroform	4.67	83	140711	47.564	ug/L	99
27) 1,2-Dichloroethane	5.40	62	119812	48.810	ug/L	100
29) Cyclohexane	5.00	56	141870	53.336	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	112453	49.661	ug/L	100
31) Carbon tetrachloride	5.13	117	95954	50.015	ug/L	99
33) Benzene	5.39	78	309487	50.982	ug/L	100
34) Trichloroethene	6.19	95	71058	50.173	ug/L	99
35) Methylcyclohexane	6.42	83	124220	52.033	ug/L	99
37) 1,2-Dichloropropane	6.43	63	92617	49.751	ug/L	100
38) Bromodichloromethane	6.76	83	104017	49.189	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	131515	52.498	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	282913	103.592	ug/L	99
42) Toluene	7.64	91	312500	52.193	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	124514	51.430	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	73514	49.842	ug/L	98
46) Tetrachloroethene	8.23	164	51800	51.001	ug/L	98
48) 2-Hexanone	8.36	43	230750	103.543	ug/L	98
49) Dibromochloromethane	8.48	129	76135	50.592	ug/L	99
50) 1,2-Dibromoethane	8.59	107	74572	49.231	ug/L	98
51) Chlorobenzene	9.12	112	187448	49.492	ug/L	100
52) Ethylbenzene	9.25	91	337234	51.581	ug/L	99
53) m,p-Xylene	9.38	106	122457	52.608	ug/L	98
54) o-xylene	9.78	106	121894	53.458	ug/L	95
55) Styrene	9.79	104	210328	53.799	ug/L	99
56) Isopropylbenzene	10.17	105	318800	53.553	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	132056	49.096	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	106105	48.823	ug/L	99
61) Bromoform	9.96	173	51830	47.276	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	129145	48.658	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	135762	48.210	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	138320	48.252	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	28022	48.171	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	97787	50.471	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	85252	51.722	ug/L	99
69) Naphthalene	13.75	128	299175	53.454	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	92404	51.030	ug/L	99

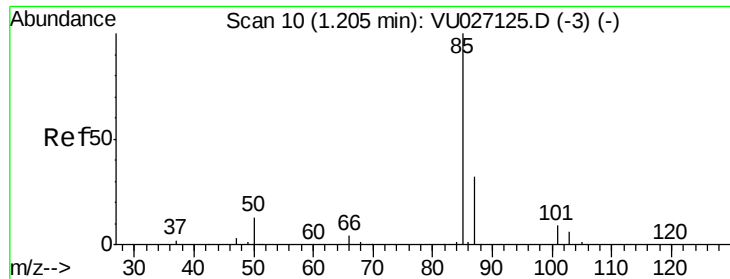
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.380 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

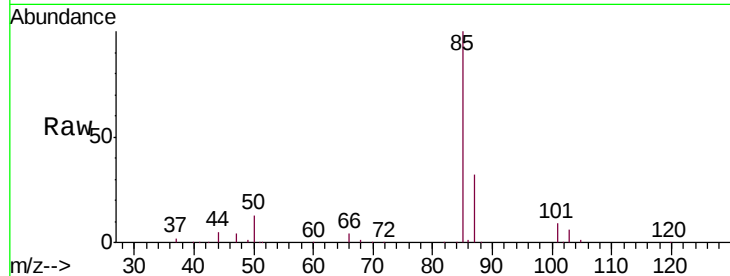
BFB45

Tgt Ion: 85 Resp: 92049

Ion Ratio Lower Upper

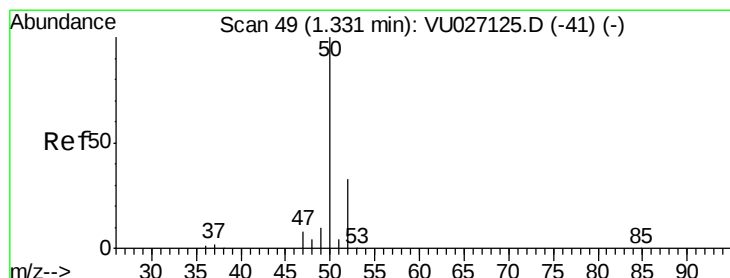
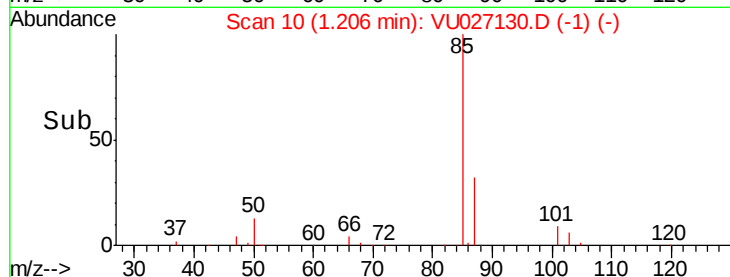
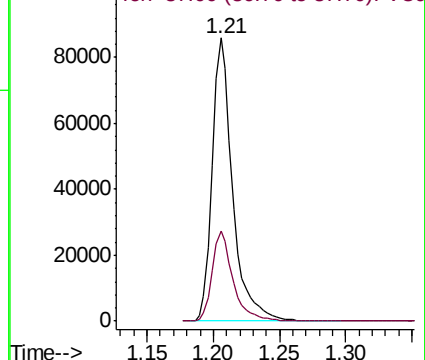
85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU027125.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU027125.D (-3) (-)



#3

Chloromethane

Concen: 49.261 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027130.D

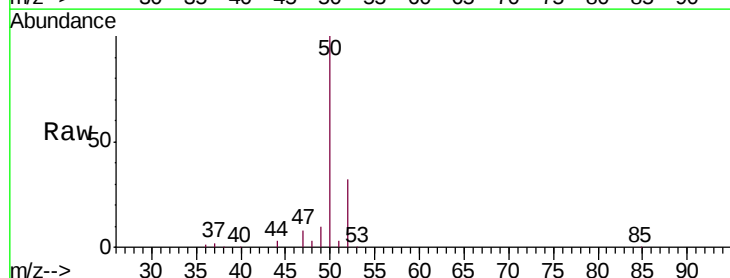
Acq: 25 Sep 2018 13:45

Tgt Ion: 50 Resp: 116709

Ion Ratio Lower Upper

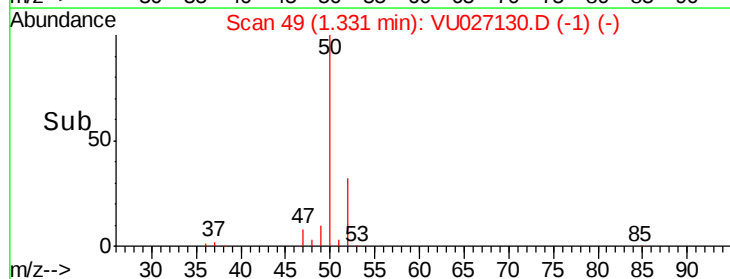
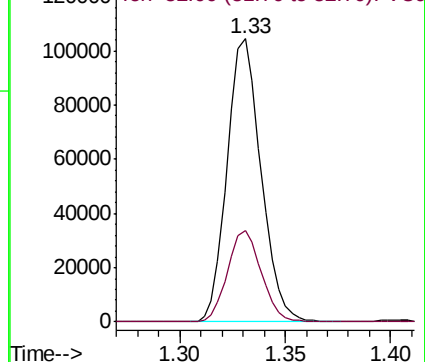
50 100

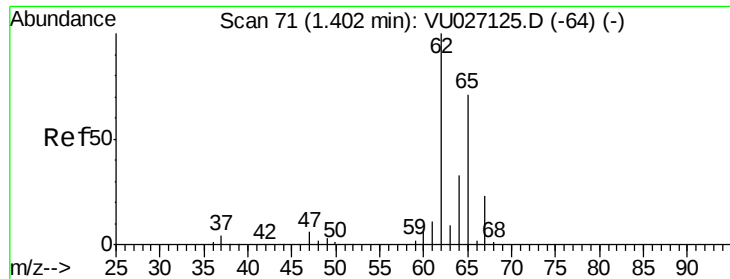
52 32.3 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU027125.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VU027125.D (-41) (-)





#5

Vinyl chloride

Concen: 47.821 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

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ClientSampleId :

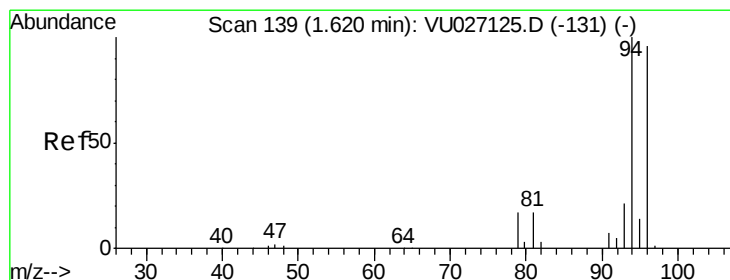
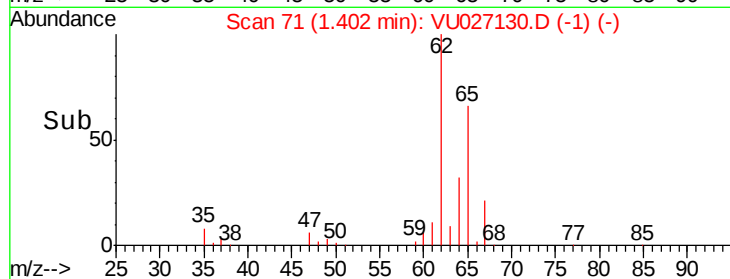
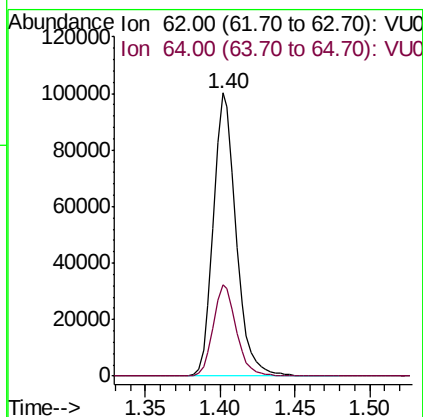
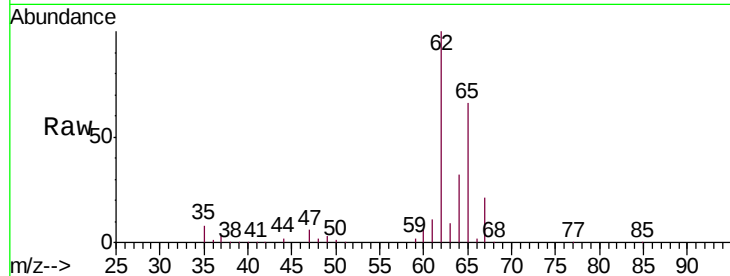
BFB45

Tgt Ion: 62 Resp: 106339

Ion Ratio Lower Upper

62 100

64 32.2 22.8 42.4



#6

Bromomethane

Concen: 49.844 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU027130.D

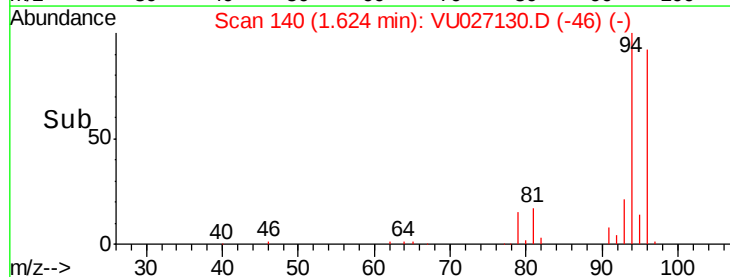
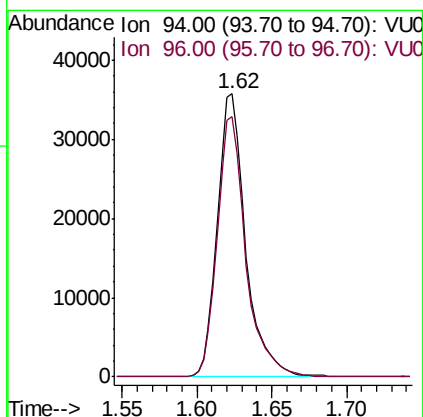
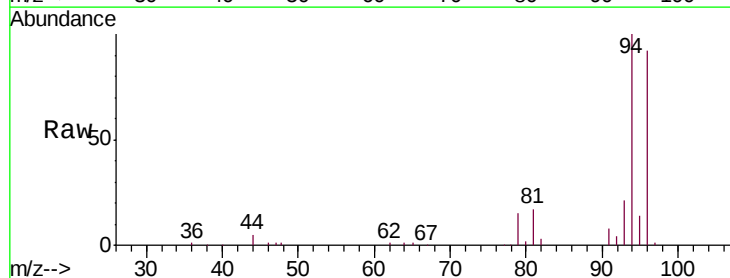
Acq: 25 Sep 2018 13:45

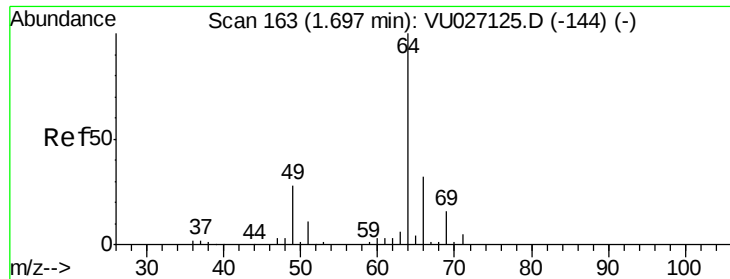
Tgt Ion: 94 Resp: 47222

Ion Ratio Lower Upper

94 100

96 91.8 67.1 124.5





#8

Chloroethane

Concen: 49.119 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

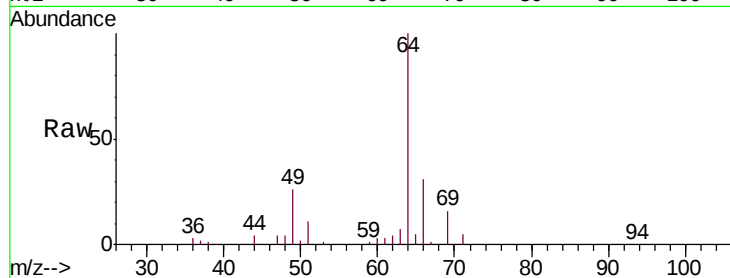
BFB45

Tgt Ion: 64 Resp: 63627

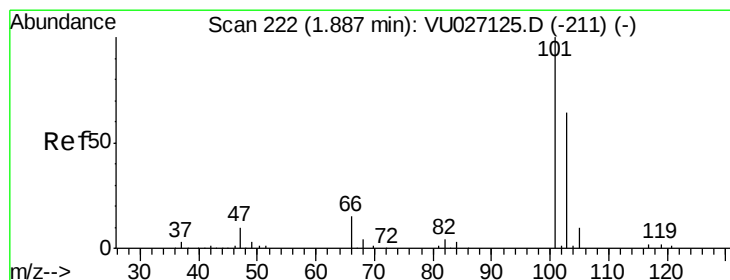
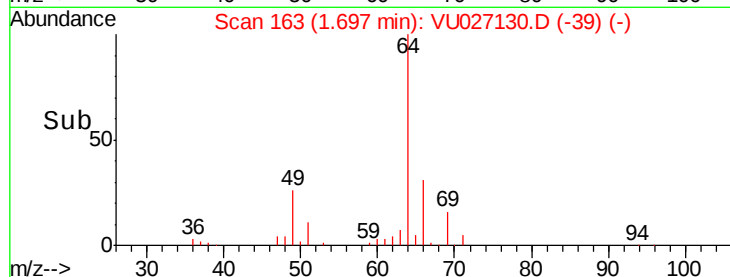
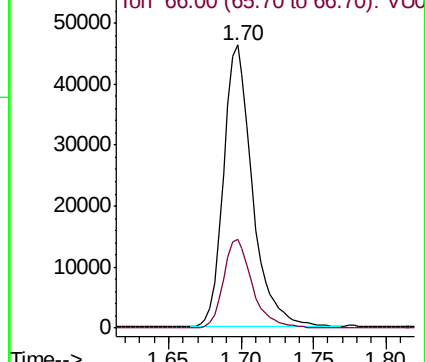
Ion Ratio Lower Upper

64 100

66 31.4 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU027125.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 49.182 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU027130.D

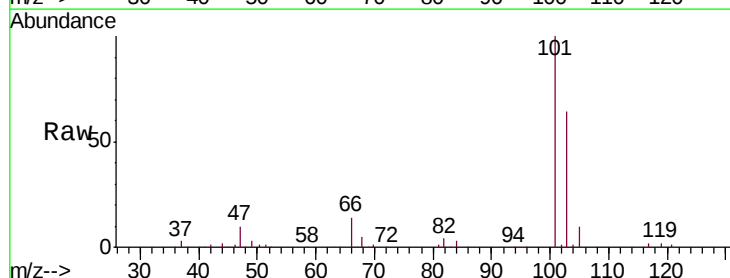
Acq: 25 Sep 2018 13:45

Tgt Ion: 101 Resp: 116478

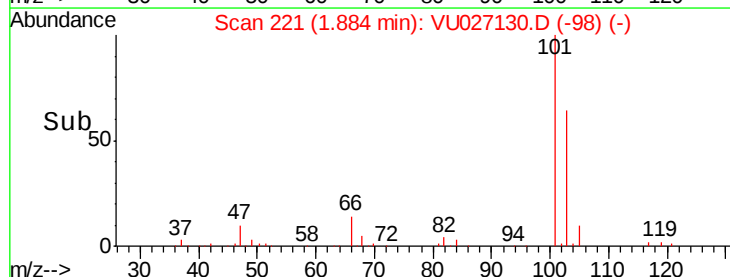
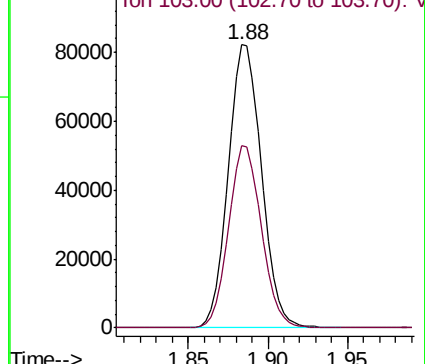
Ion Ratio Lower Upper

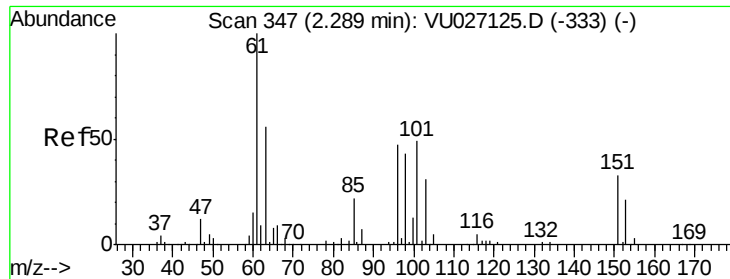
101 100

103 63.6 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU027125.D (-211) (-)





#10

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

Concen: 49.271 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027130.D

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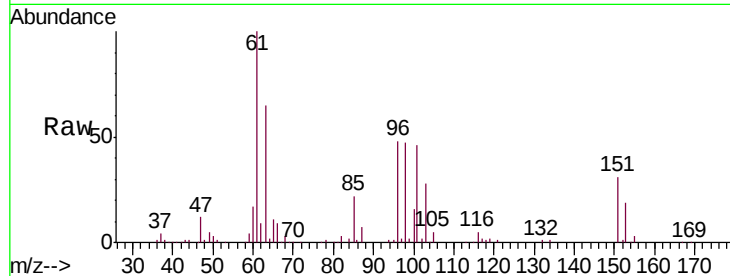
Tgt Ion:101 Resp: 66980

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.6

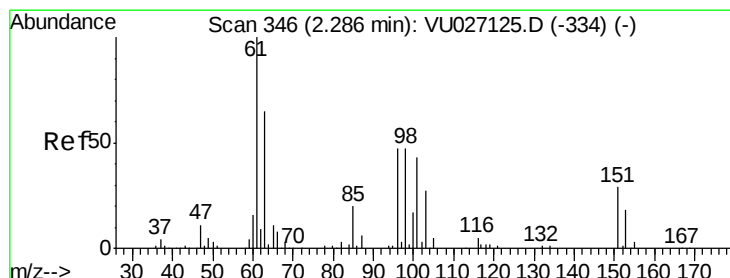
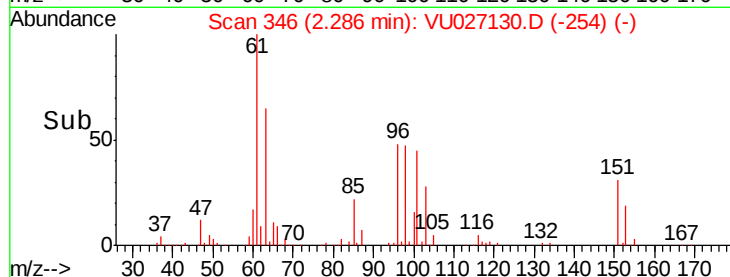
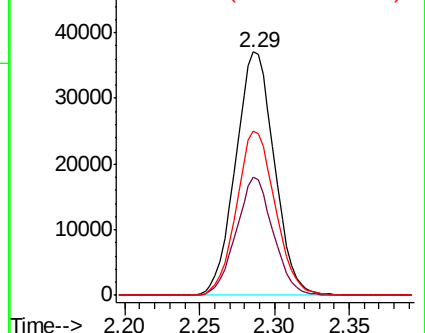
151 67.2 53.5 80.3



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: 48.037 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

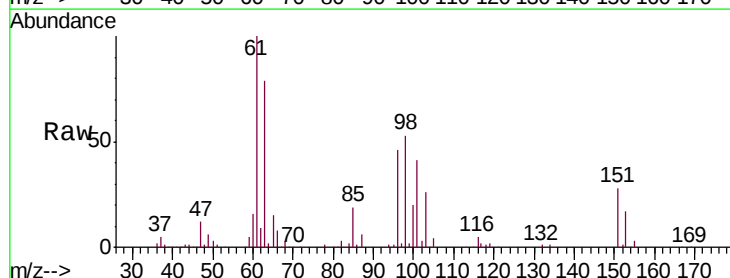
Tgt Ion: 96 Resp: 60484

Ion Ratio Lower Upper

96 100

61 219.0 150.0 278.6

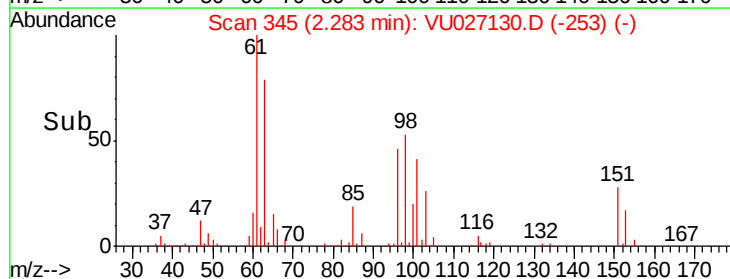
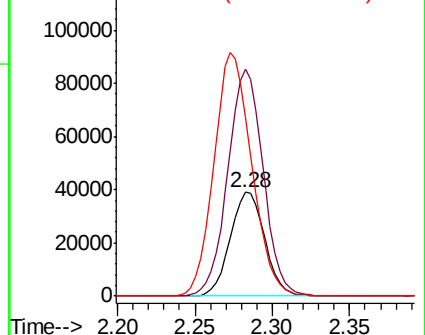
63 172.2 101.8 189.0

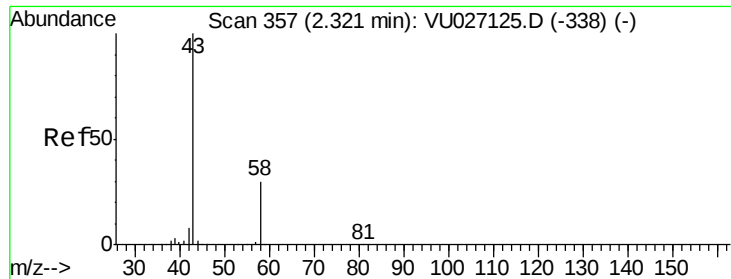


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.776 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027130.D

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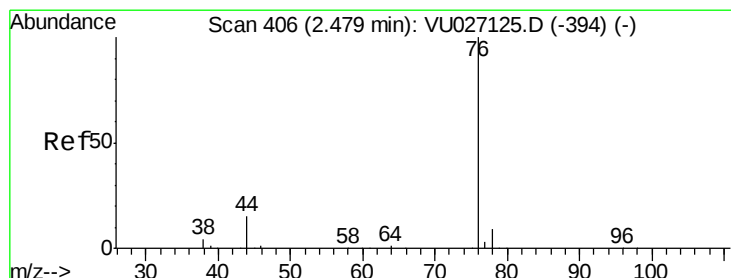
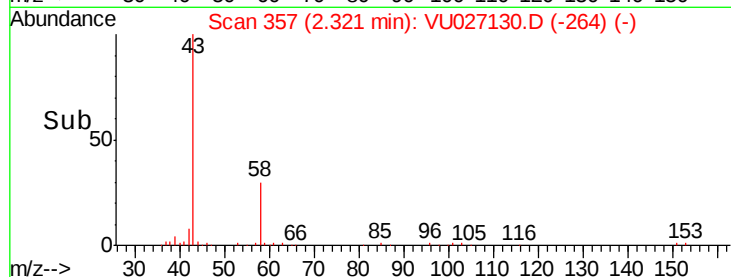
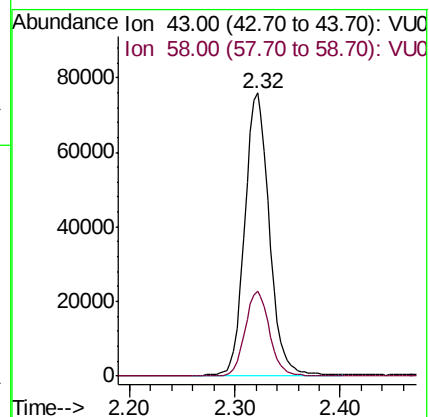
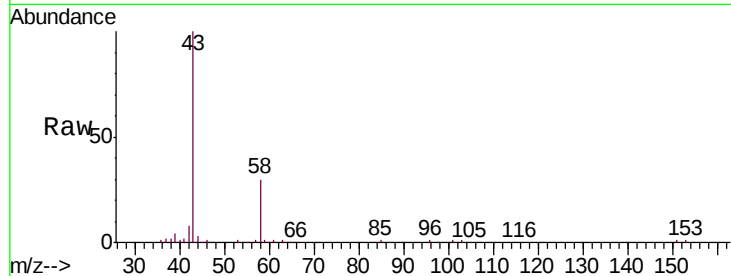
BFB45

Tgt Ion: 43 Resp: 123401

Ion Ratio Lower Upper

43 100

58 29.1 0.0 59.6



#14

Carbon disulfide

Concen: 47.634 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027130.D

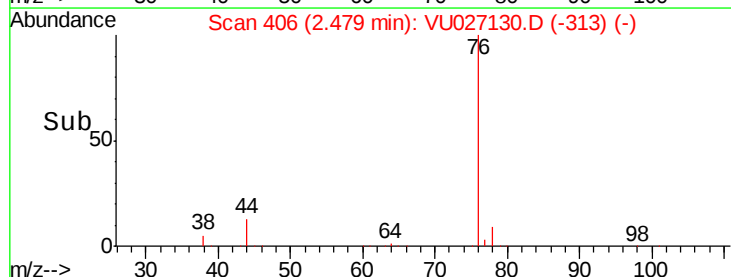
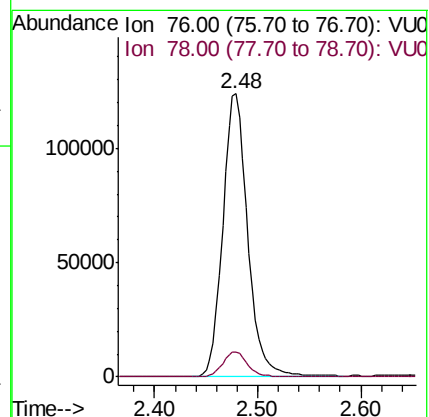
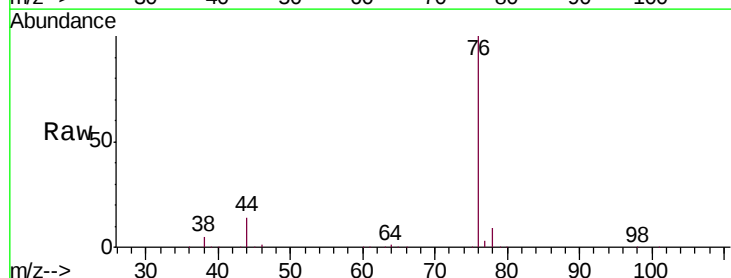
Acq: 25 Sep 2018 13:45

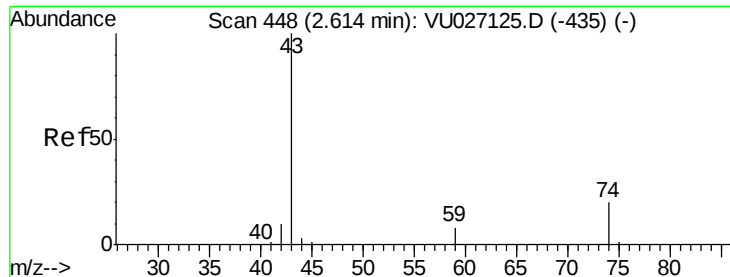
Tgt Ion: 76 Resp: 208749

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

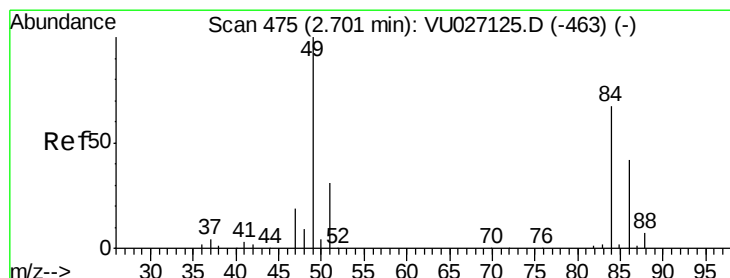
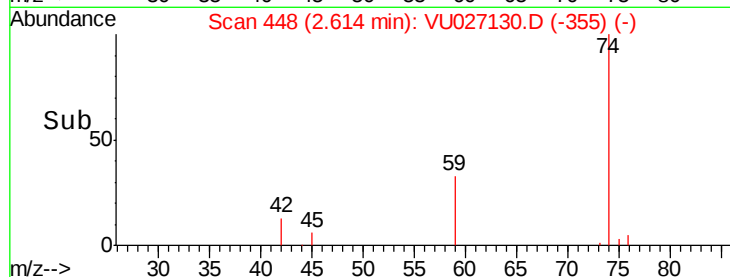
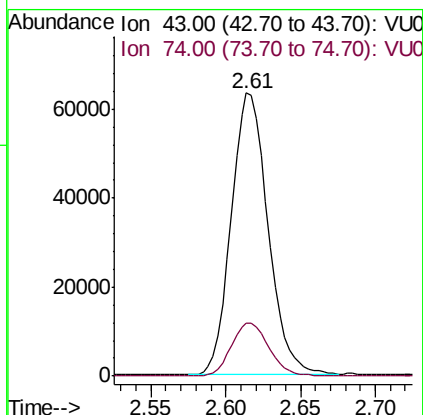
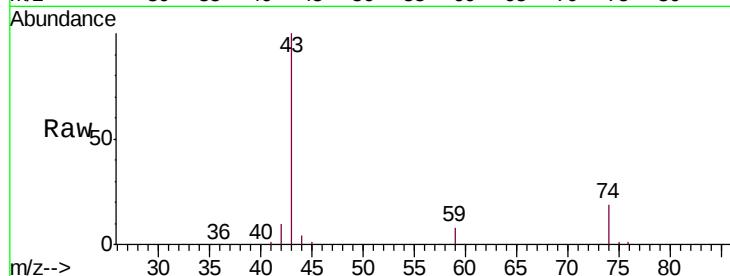




#15
Methyl Acetate
Concen: 46.928 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

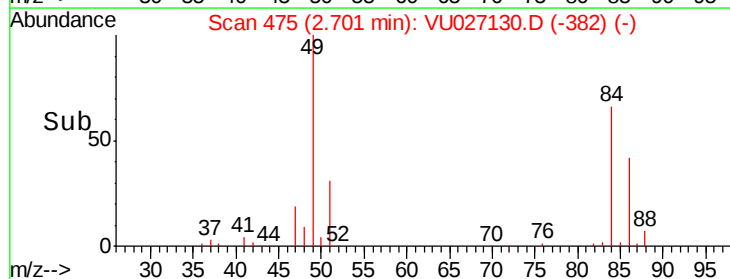
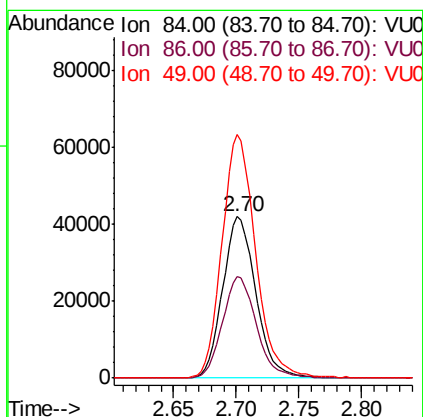
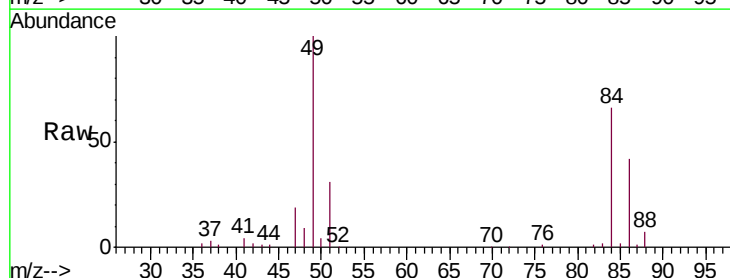
Instrument :
MSVOA_U
ClientSampleId :
BFB45

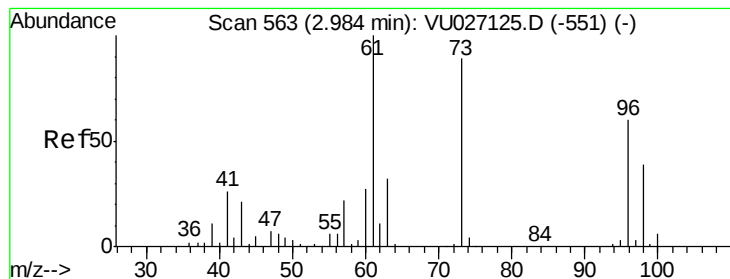
Tgt Ion: 43 Resp: 108725
Ion Ratio Lower Upper
43 100
74 19.4 15.9 23.9



#16
Methylene chloride
Concen: 47.822 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Tgt Ion: 84 Resp: 77368
Ion Ratio Lower Upper
84 100
86 62.9 43.8 81.3
49 151.0 104.4 194.0





#17

trans-1,2-Dichloroethene

Concen: 48.613 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

BFB45

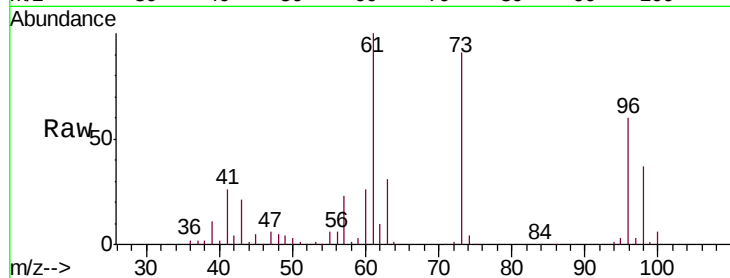
Tgt Ion: 96 Resp: 66731

Ion Ratio Lower Upper

96 100

61 166.2 117.2 217.8

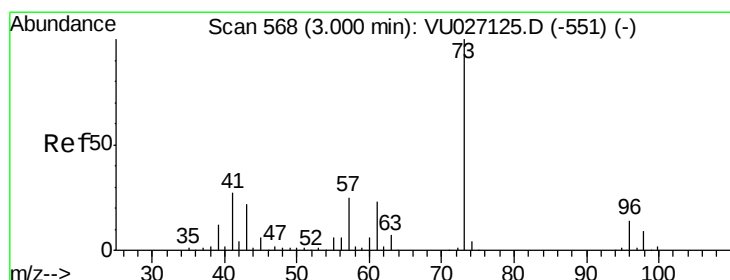
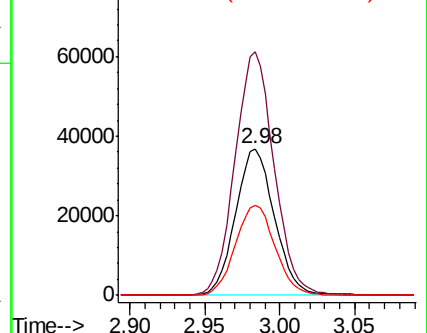
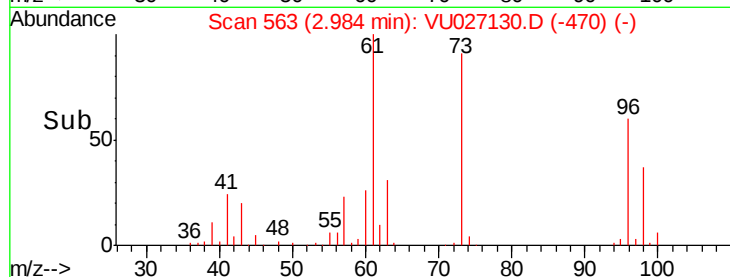
98 61.7 45.3 84.1



Abundance Ion 96.00 (95.70 to 96.70): VU027130.D (-470) (-)

Ion 61.00 (60.70 to 61.70): VU027130.D (-470) (-)

Ion 98.00 (97.70 to 98.70): VU027130.D (-470) (-)



#18

Methyl tert-butyl Ether

Concen: 49.777 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

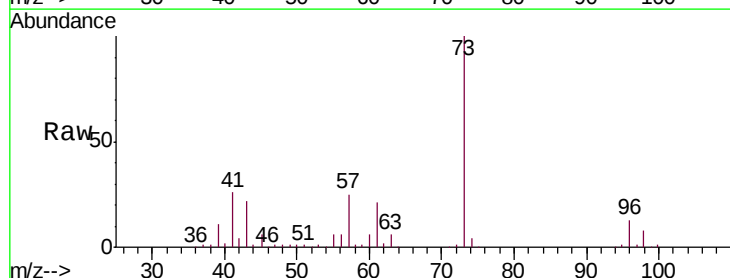
Tgt Ion: 73 Resp: 238089

Ion Ratio Lower Upper

73 100

43 22.1 17.9 26.9

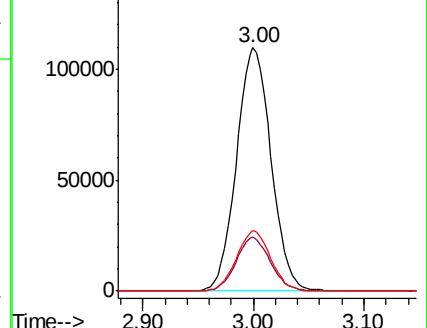
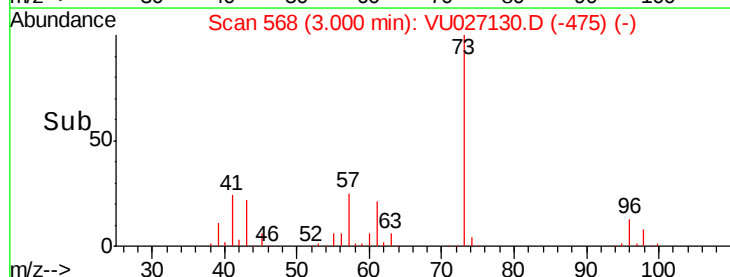
57 24.4 20.0 30.0

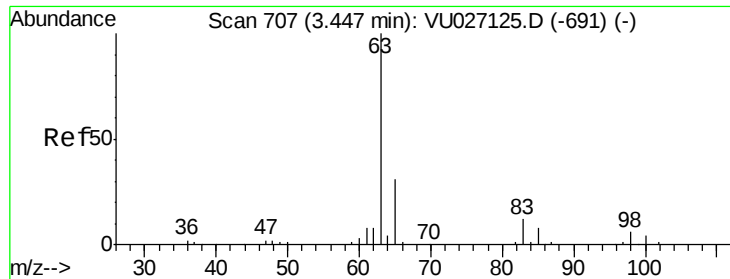


Abundance Ion 73.00 (72.70 to 73.70): VU027130.D (-475) (-)

Ion 43.00 (42.70 to 43.70): VU027130.D (-475) (-)

Ion 57.00 (56.70 to 57.70): VU027130.D (-475) (-)

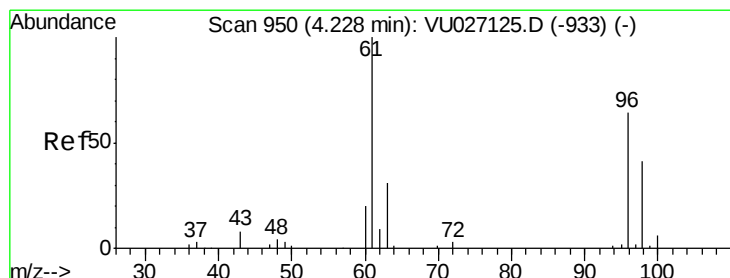
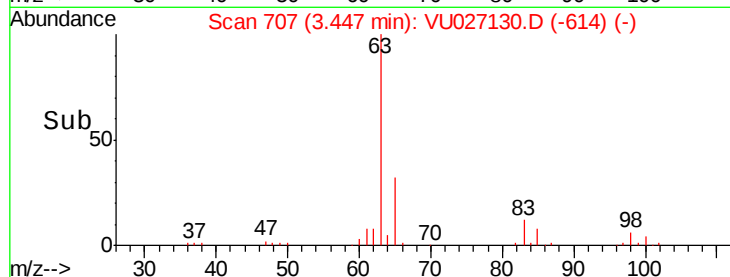
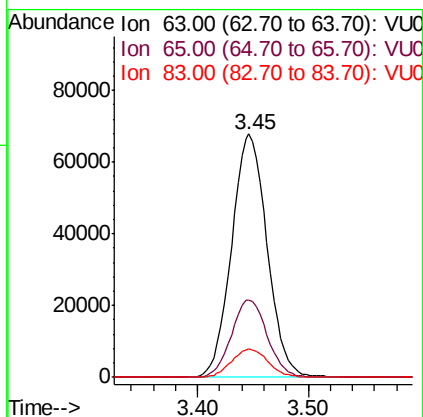
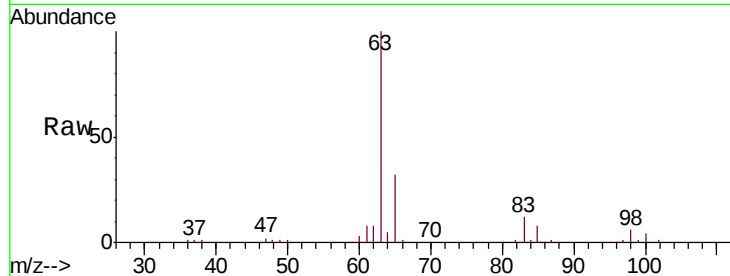




#19
 1,1-Dichloroethane
 Concen: 47.889 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

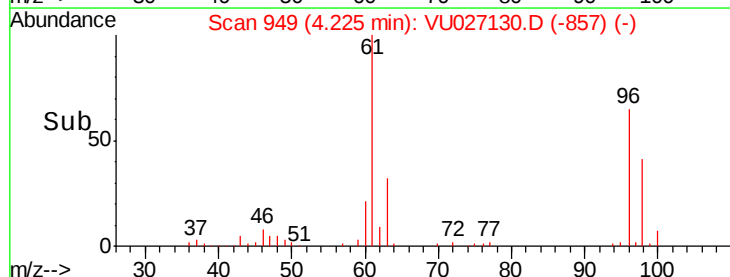
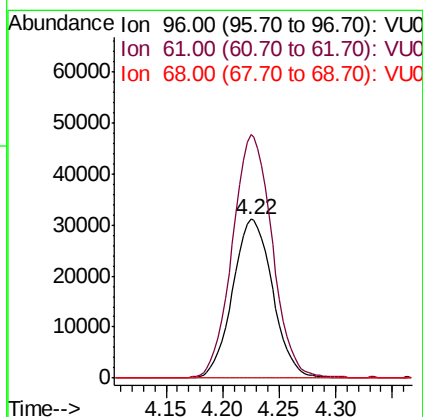
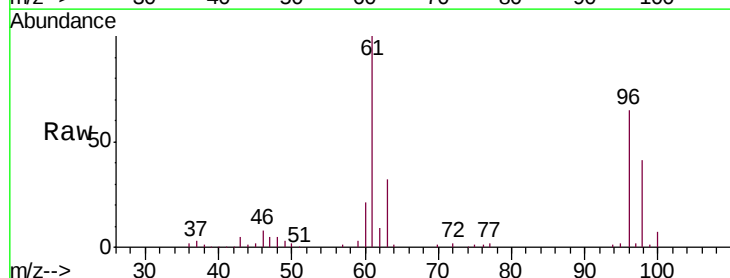
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

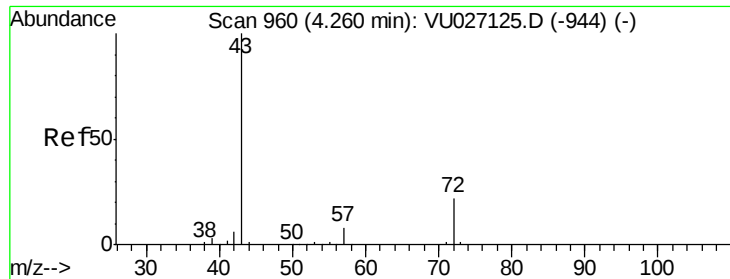
Tgt Ion: 63 Resp: 151078
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 40.8
 83 11.6 8.4 15.6



#20
 cis-1,2-Dichloroethene
 Concen: 49.561 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion: 96 Resp: 76568
 Ion Ratio Lower Upper
 96 100
 61 153.4 109.6 203.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.799 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampled :

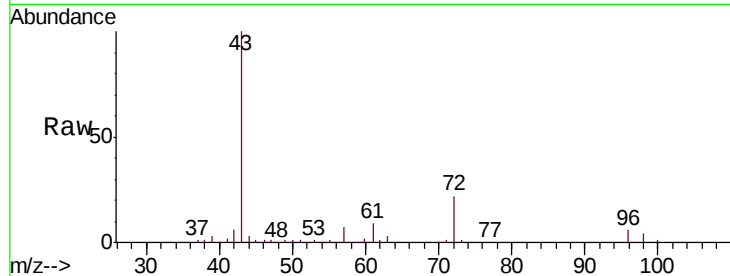
BFB45

Tgt Ion: 43 Resp: 165998

Ion Ratio Lower Upper

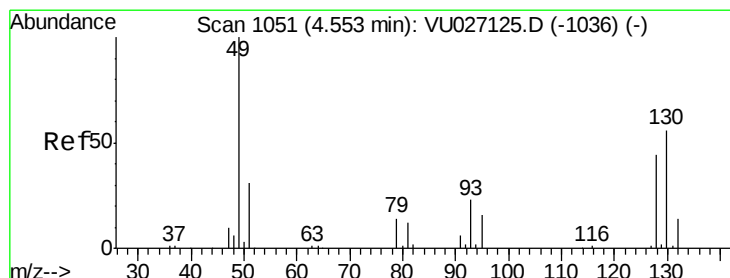
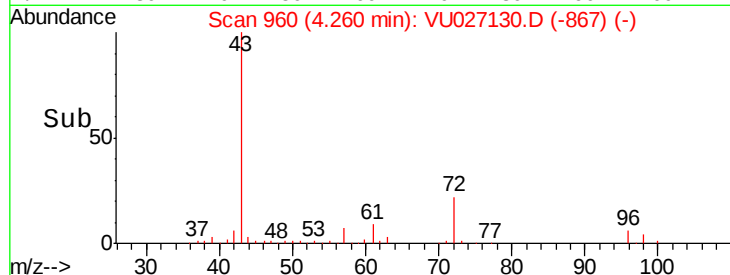
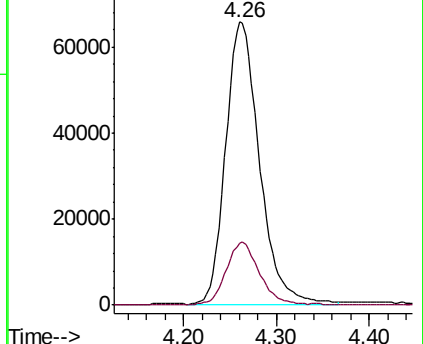
43 100

72 22.2 11.3 33.9



Abundance Ion 43.00 (42.70 to 43.70): VU027130.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU027130.D (-867) (-)



#23

Bromochloromethane

Concen: 48.244 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Tgt Ion: 128 Resp: 35049

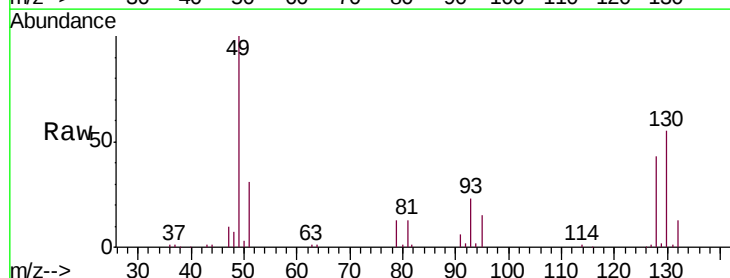
Ion Ratio Lower Upper

128 100

49 234.6 159.0 295.4

130 129.9 88.6 164.6

51 73.2 56.2 84.2

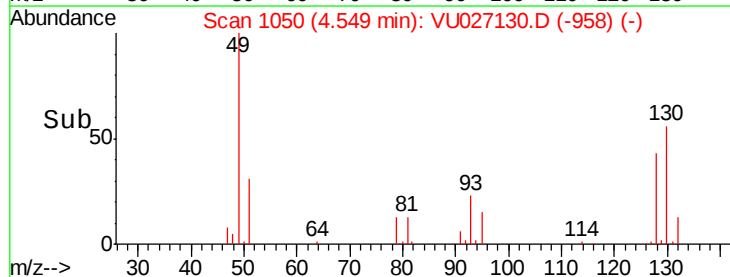
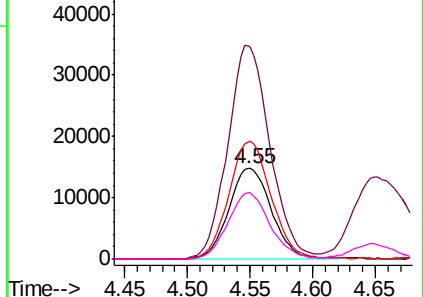


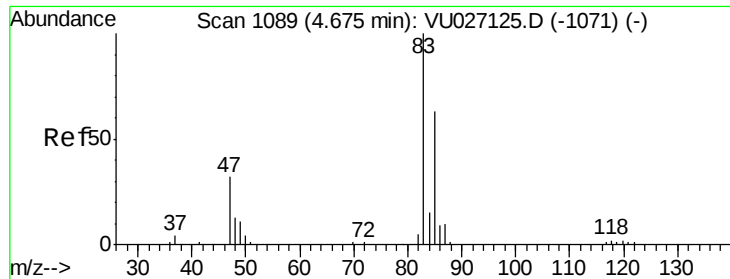
Abundance Ion 128.00 (127.70 to 128.70): VU027130.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU027130.D (-958) (-)

Ion 130.00 (129.70 to 130.70): VU027130.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU027130.D (-958) (-)

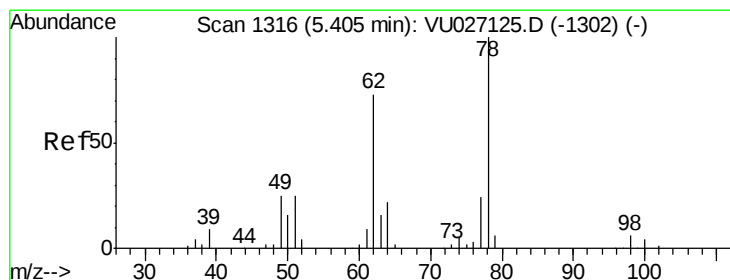
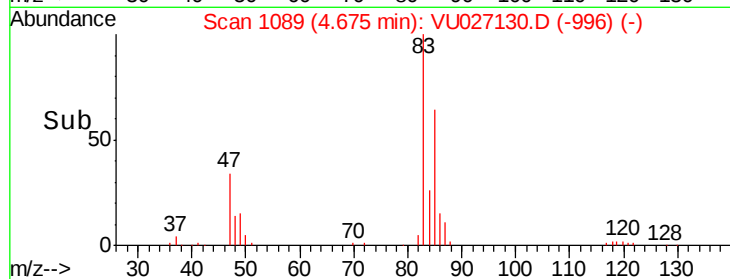
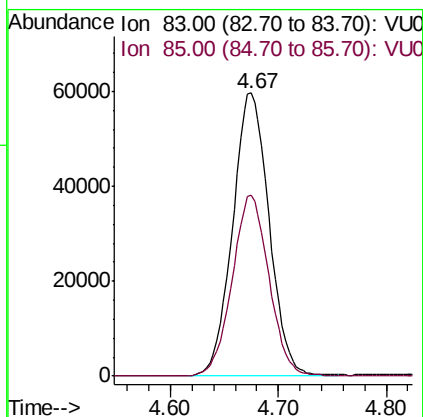
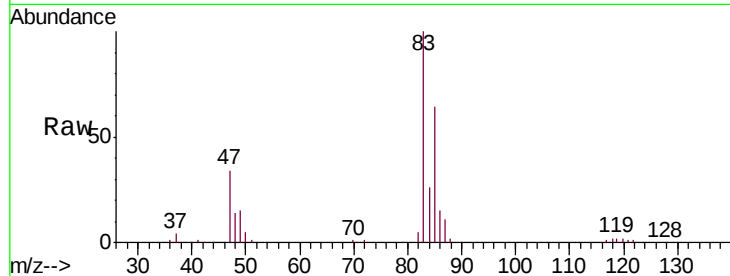




#25
Chloroform
Concen: 47.564 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

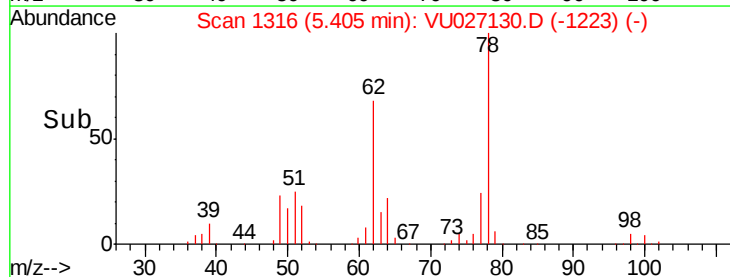
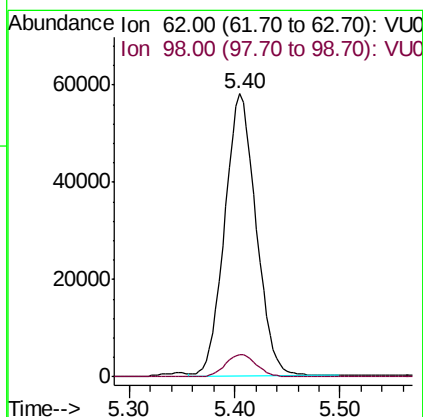
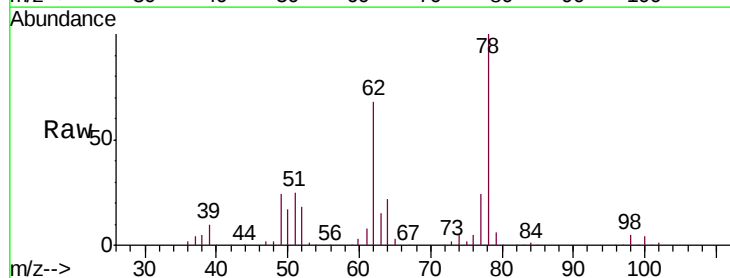
Instrument :
MSVOA_U
ClientSampleId :
BFB45

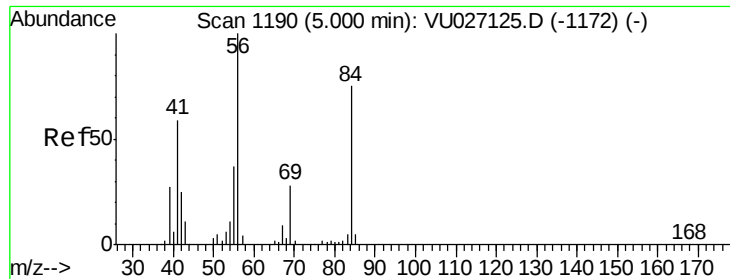
Tgt Ion: 83 Resp: 140711
Ion Ratio Lower Upper
83 100
85 63.9 44.0 81.6



#27
1,2-Dichloroethane
Concen: 48.810 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Tgt Ion: 62 Resp: 119812
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6

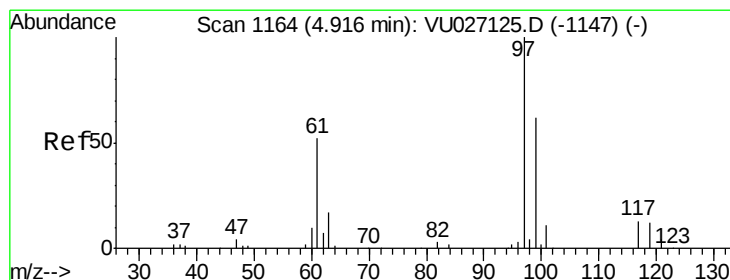
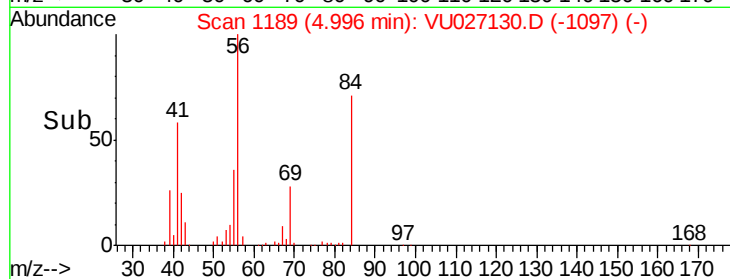
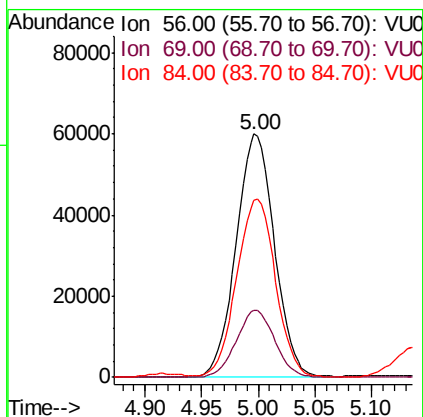
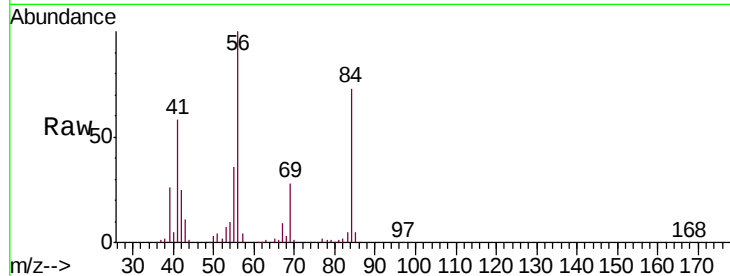




#29
Cyclohexane
Concen: 53.336 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

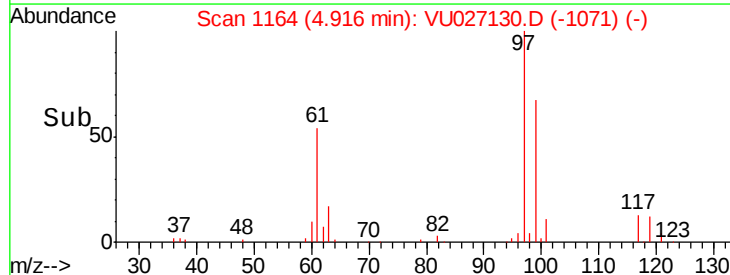
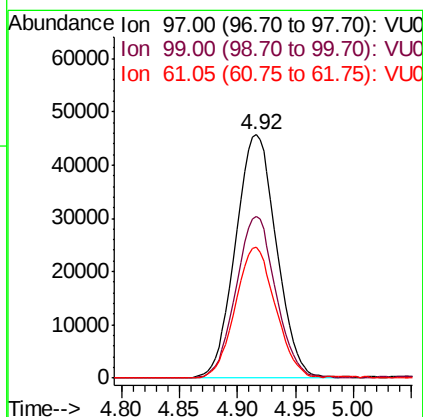
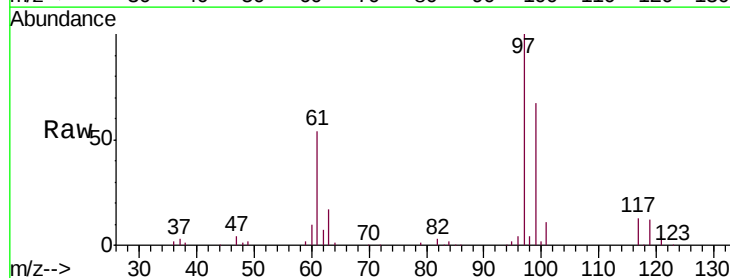
Instrument :
MSVOA_U
ClientSampleId :
BFB45

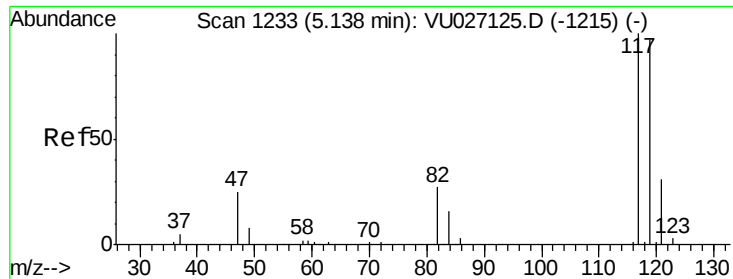
Tgt Ion: 56 Resp: 141870
Ion Ratio Lower Upper
56 100
69 27.5 22.3 33.5
84 73.5 59.8 89.8



#30
1,1,1-Trichloroethane
Concen: 49.661 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Tgt Ion: 97 Resp: 112453
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 52.5 42.3 63.5





#31

Carbon tetrachloride

Concen: 50.015 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

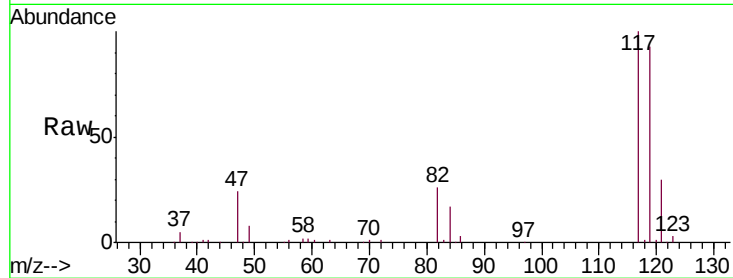
BFB45

Tgt Ion:117 Resp: 95954

Ion Ratio Lower Upper

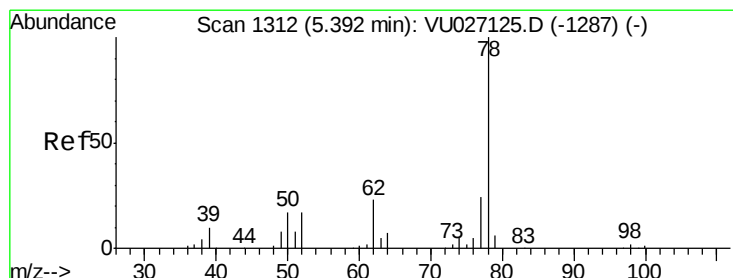
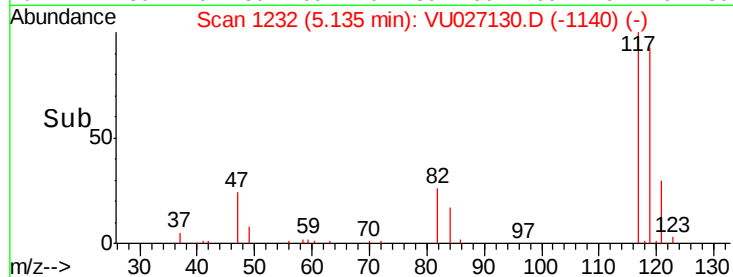
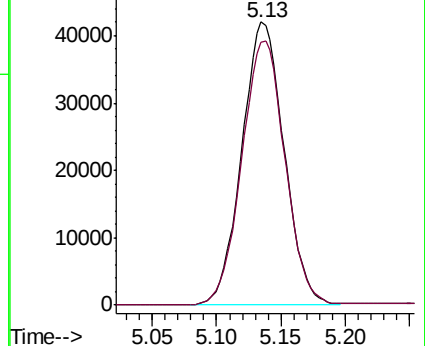
117 100

119 95.6 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.982 ug/L

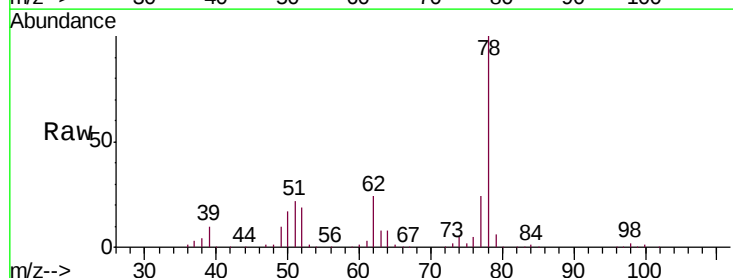
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

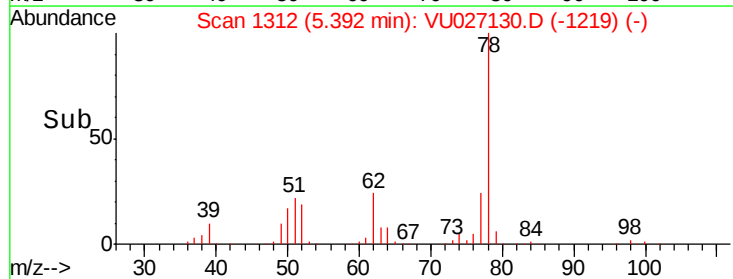
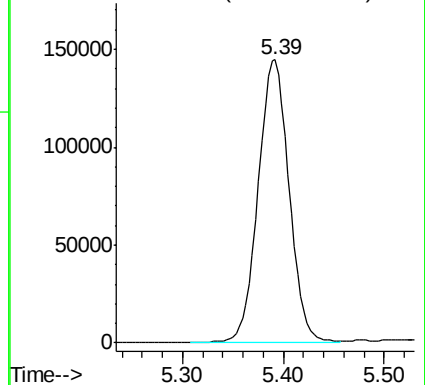
Lab File: VU027130.D

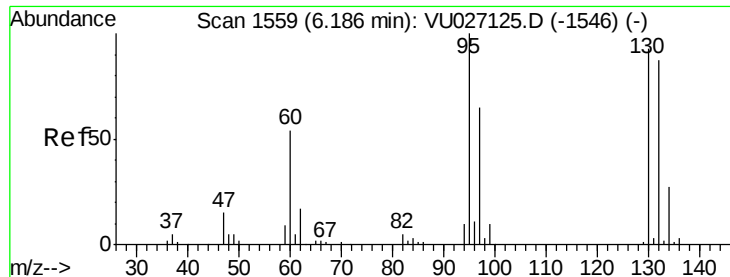
Acq: 25 Sep 2018 13:45

Tgt Ion: 78 Resp: 309487



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.173 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

BFB45

Tgt Ion: 95 Resp: 71058

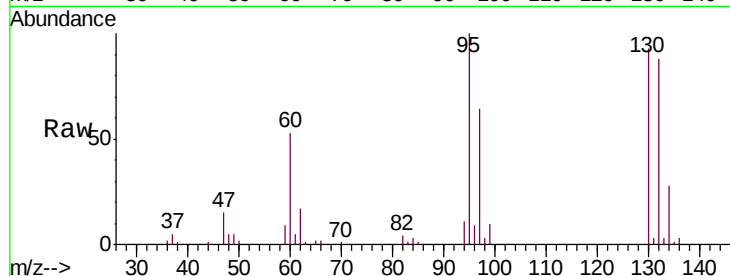
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 88.3 61.1 113.5

130 92.8 65.0 120.6

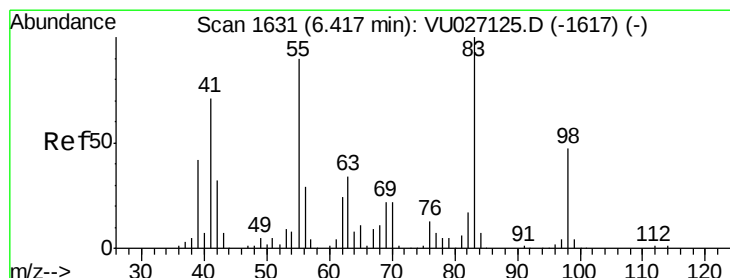
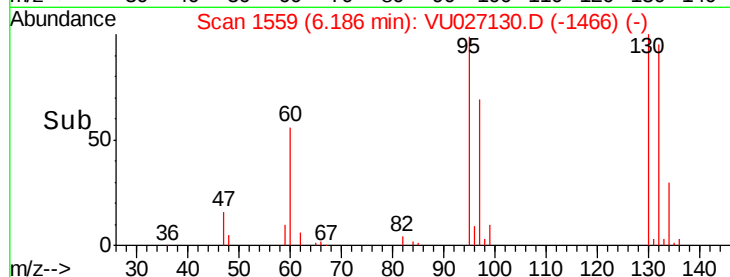
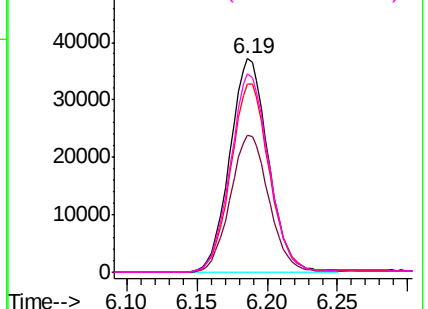


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 52.033 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

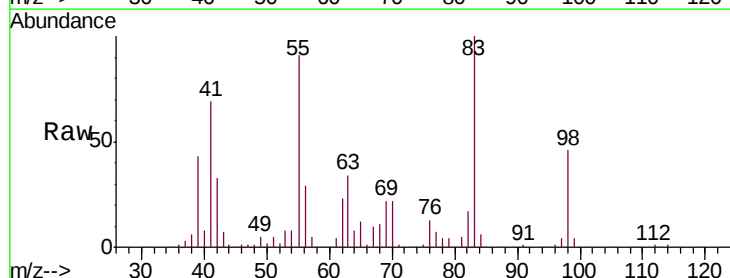
Tgt Ion: 83 Resp: 124220

Ion Ratio Lower Upper

83 100

55 92.1 73.2 109.8

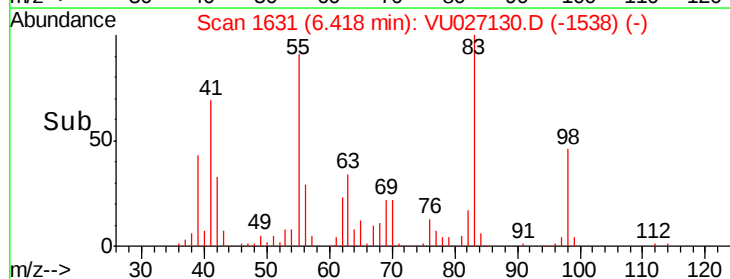
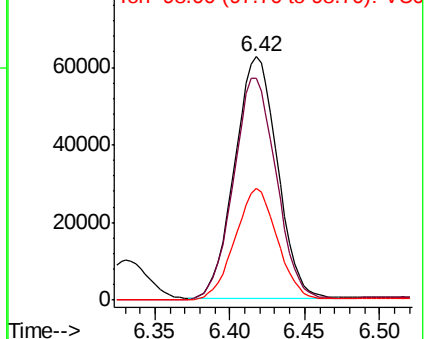
98 45.8 37.0 55.6

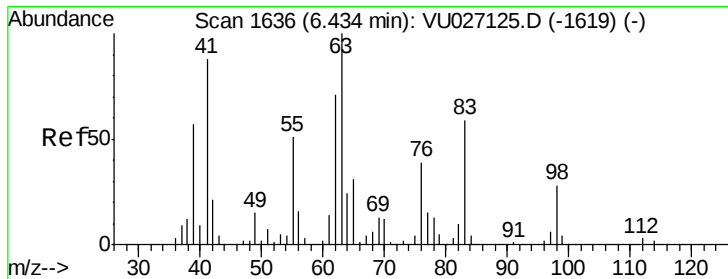


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

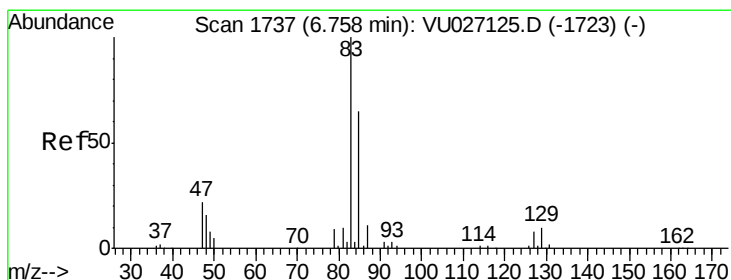
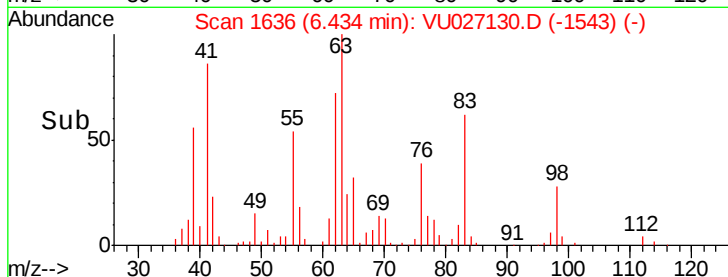
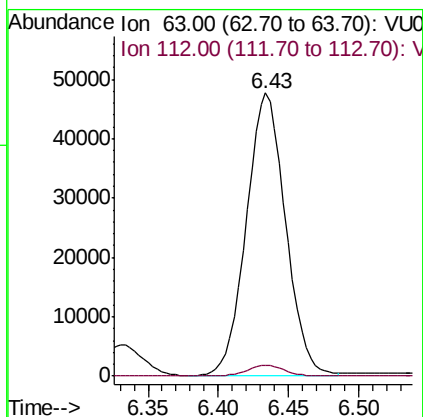
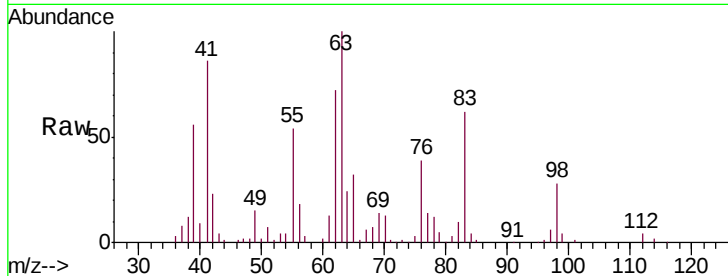




#37
 1,2-Dichloropropane
 Concen: 49.751 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

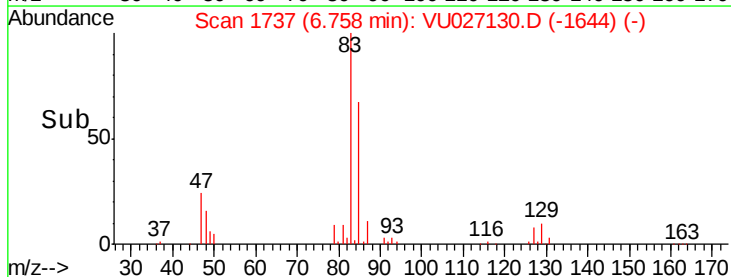
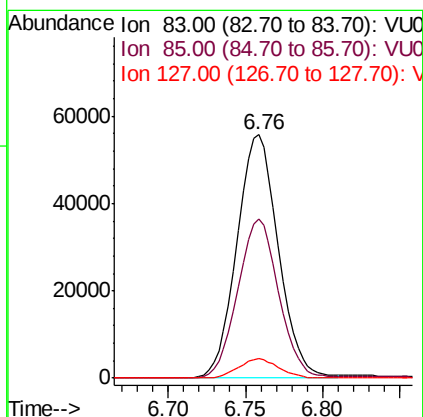
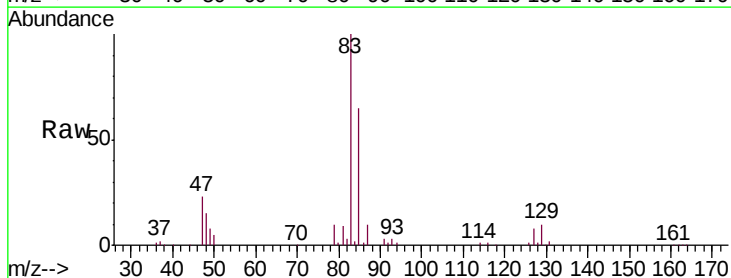
Instrument :
 MSVOA_U
 ClientSampled :
 BFB45

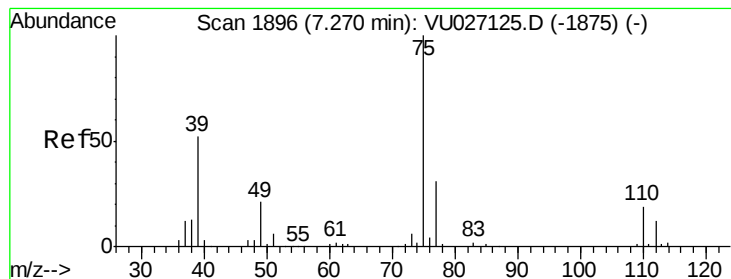
Tgt Ion: 63 Resp: 92617
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 49.189 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion: 83 Resp: 104017
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.3 84.1
 127 7.9 6.6 9.8



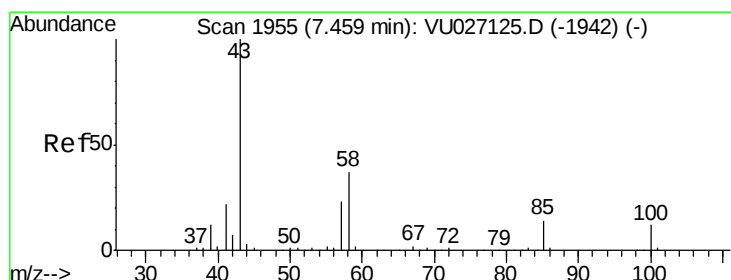
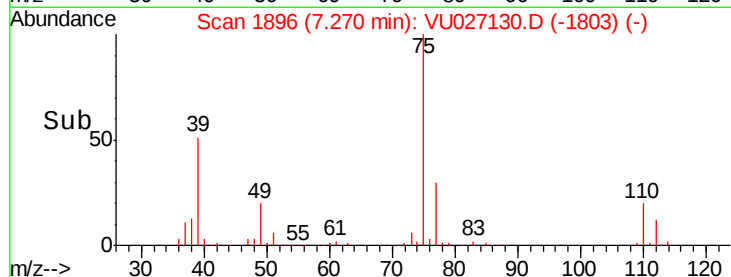
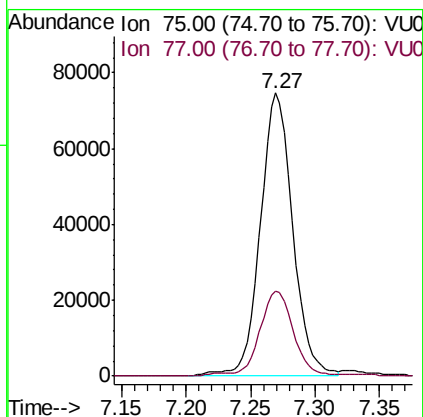
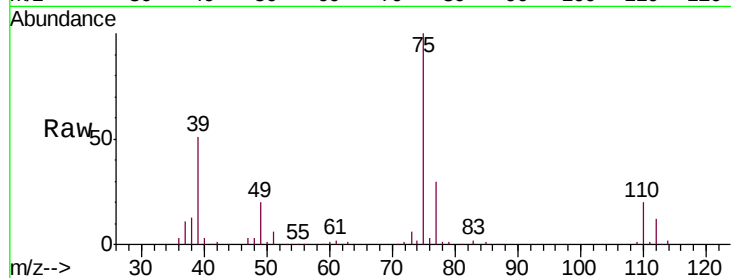


#39

cis-1,3-Dichloropropene
 Concen: 52.498 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

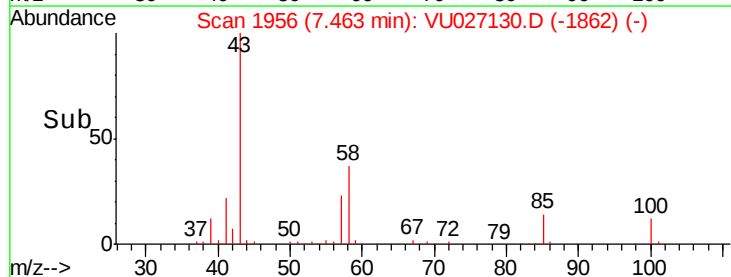
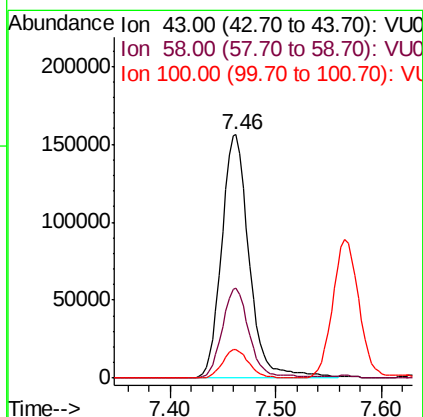
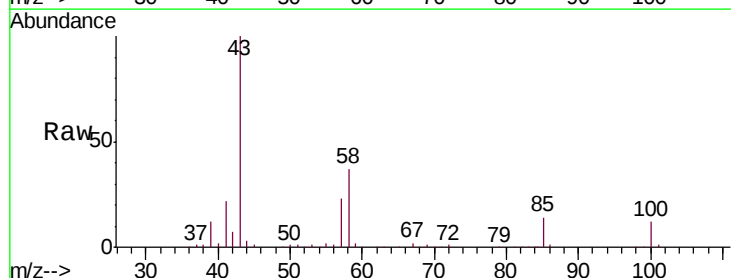
Tgt Ion: 75 Resp: 131515
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.5 39.9

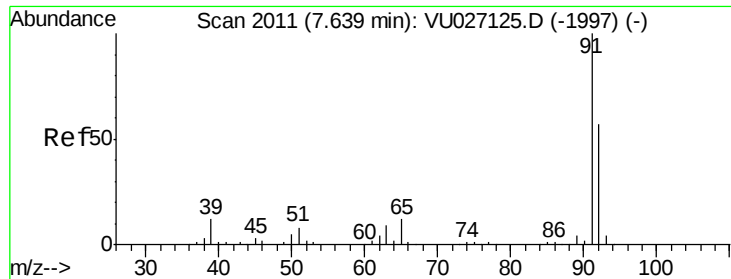


#40

4-Methyl-2-pentanone
 Concen: 103.592 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion: 43 Resp: 282913
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.0 43.6
 100 11.4 9.4 14.0





#42

Toluene

Concen: 52.193 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

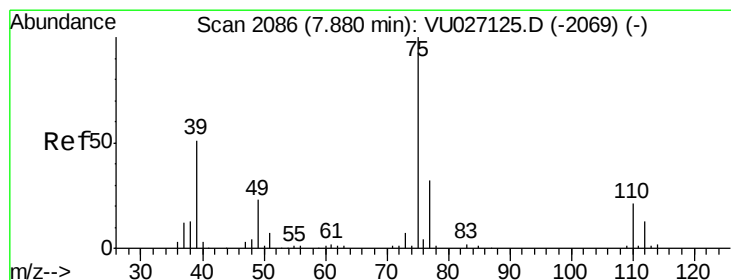
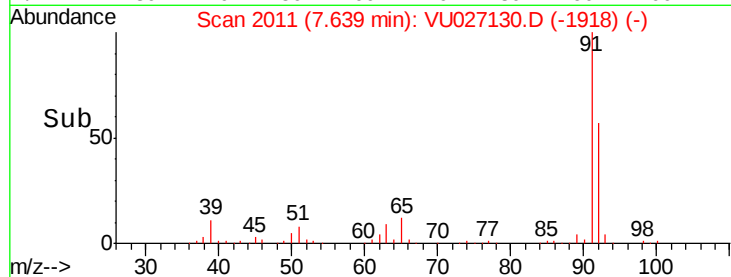
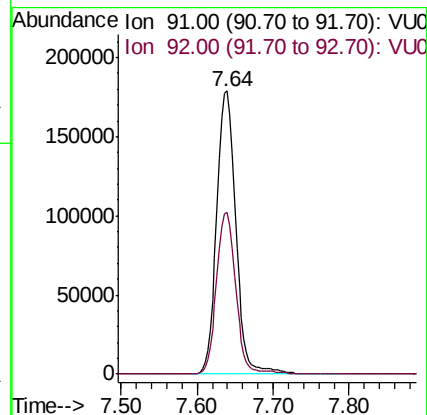
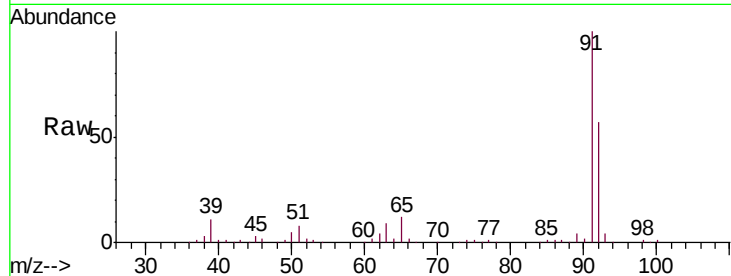
BFB45

Tgt Ion: 91 Resp: 312500

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 51.430 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027130.D

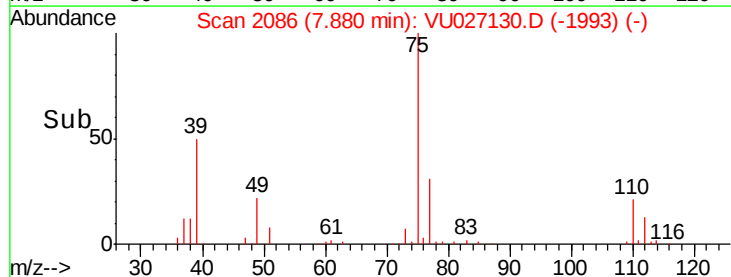
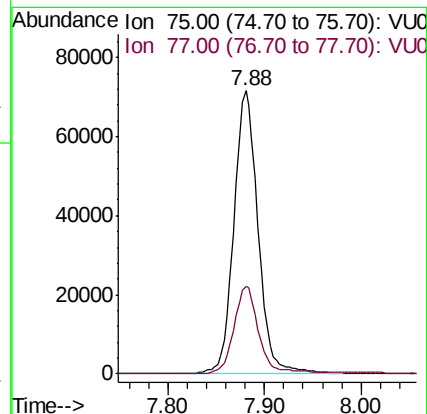
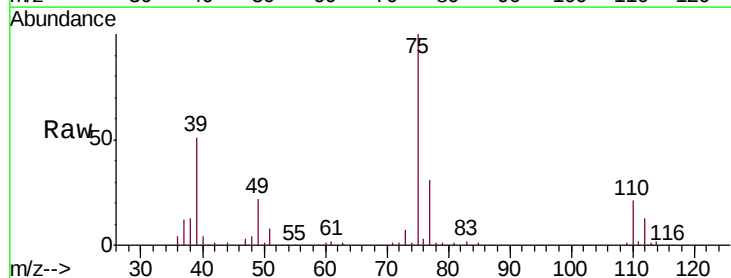
Acq: 25 Sep 2018 13:45

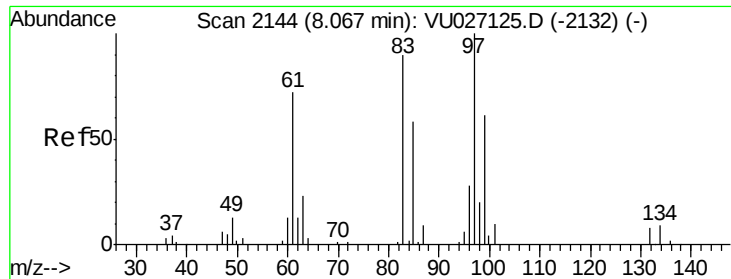
Tgt Ion: 75 Resp: 124514

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5

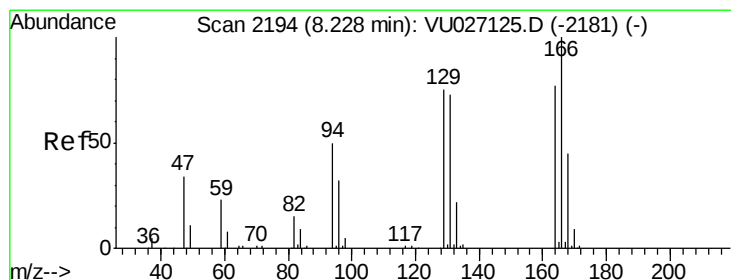
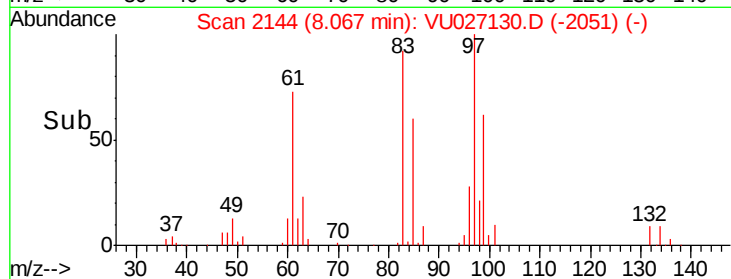
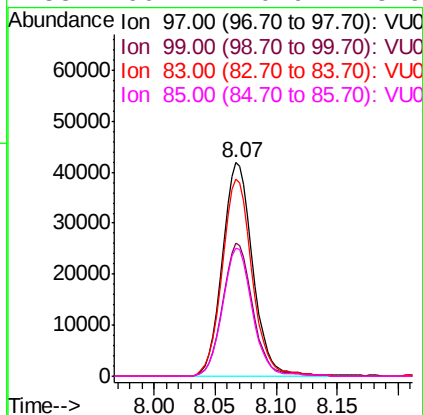
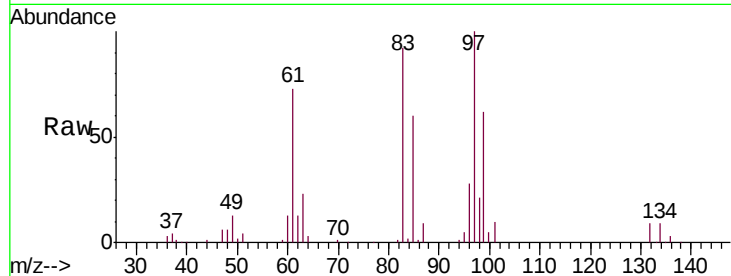




#45
 1,1,2-Trichloroethane
 Concen: 49.842 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

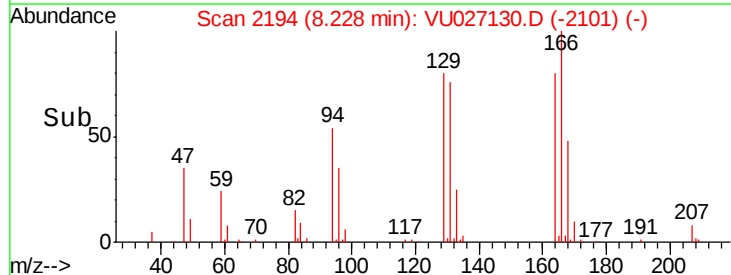
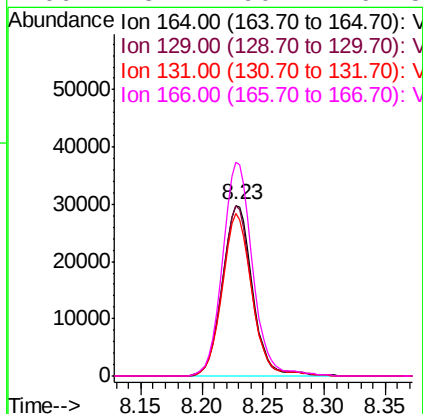
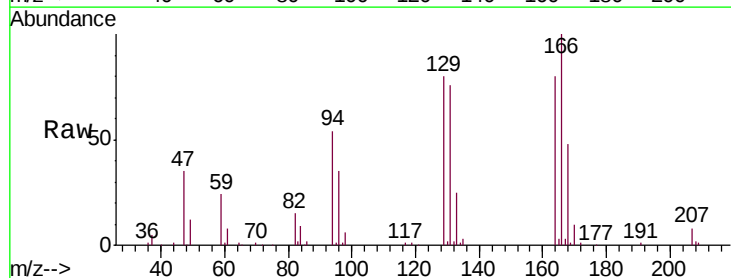
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

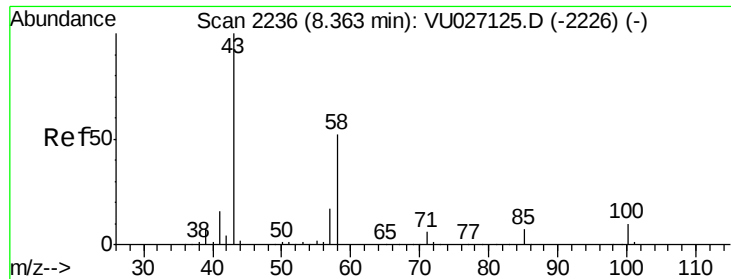
Tgt Ion:	97	Resp:	73514
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.8	79.4
83	92.5	63.2	117.4
85	60.1	40.9	75.9



#46
 Tetrachloroethene
 Concen: 51.001 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion:	164	Resp:	51800
Ion	Ratio	Lower	Upper
164	100		
129	100.0	67.8	125.8
131	95.3	66.4	123.2
166	125.4	90.4	167.8

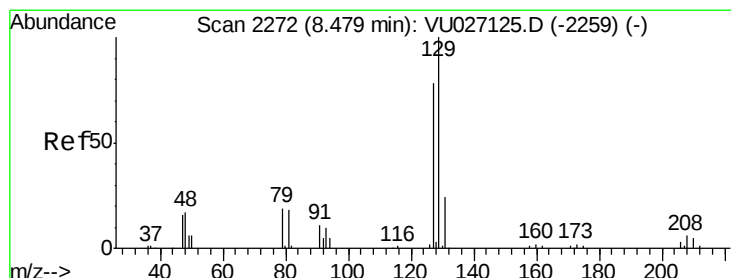
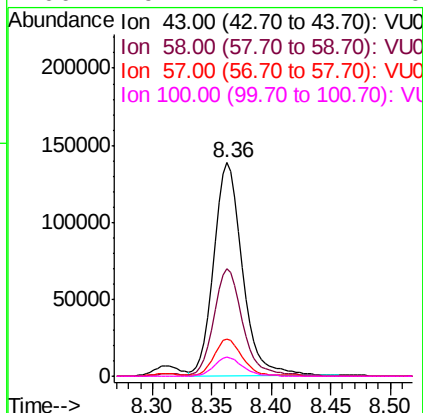
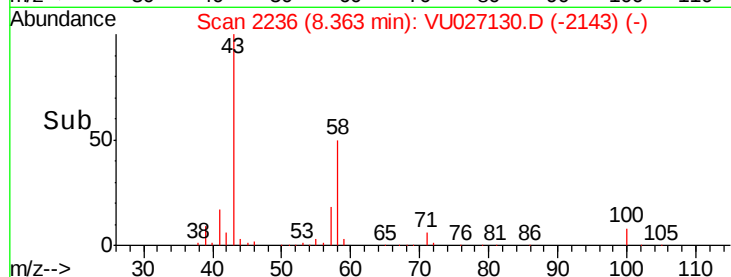
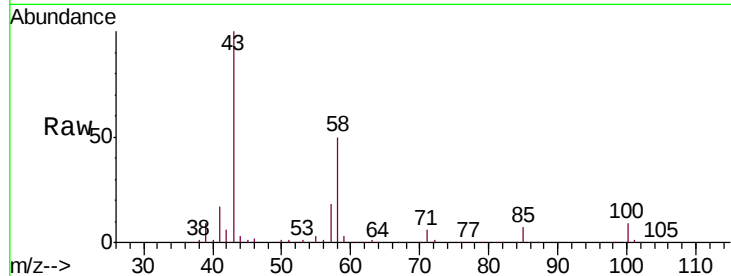




#48
2-Hexanone
Concen: 103.543 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

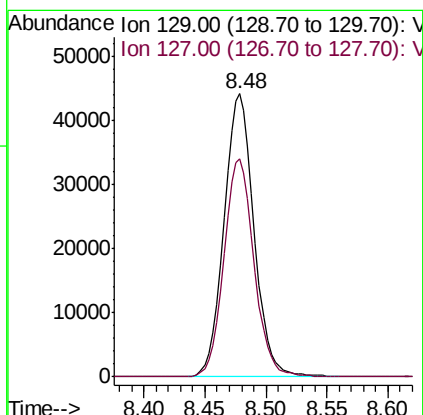
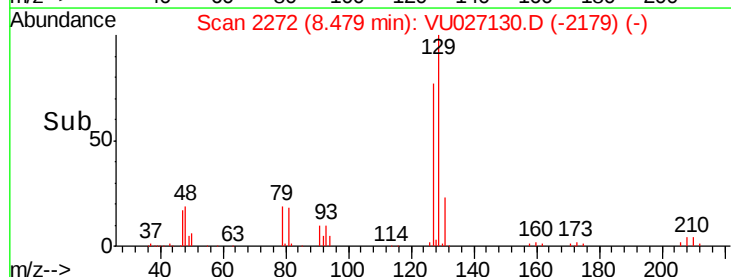
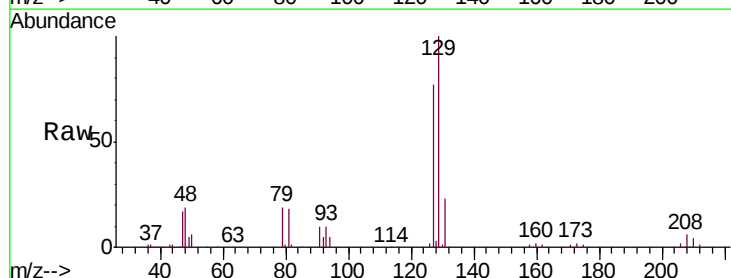
Instrument :
MSVOA_U
ClientSampleId :
BFB45

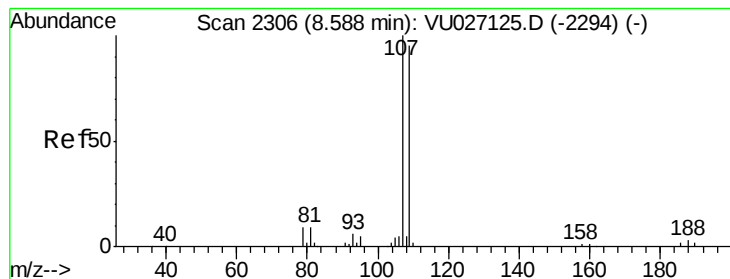
Tgt Ion: 43 Resp: 230750
Ion Ratio Lower Upper
43 100
58 51.0 41.9 62.9
57 17.8 13.8 20.8
100 9.1 7.4 11.0



#49
Dibromochloromethane
Concen: 50.592 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Tgt Ion: 129 Resp: 76135
Ion Ratio Lower Upper
129 100
127 77.0 54.7 101.5





#50

1,2-Dibromoethane

Concen: 49.231 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

BFB45

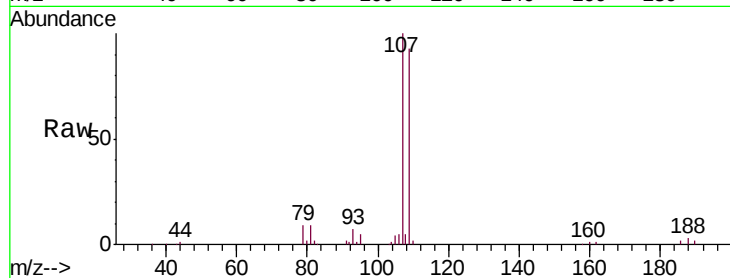
Tgt Ion:107 Resp: 74572

Ion Ratio Lower Upper

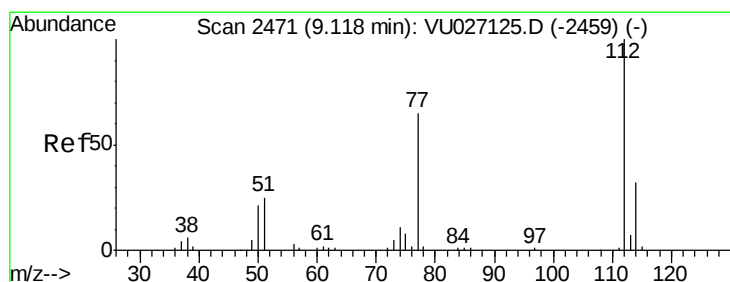
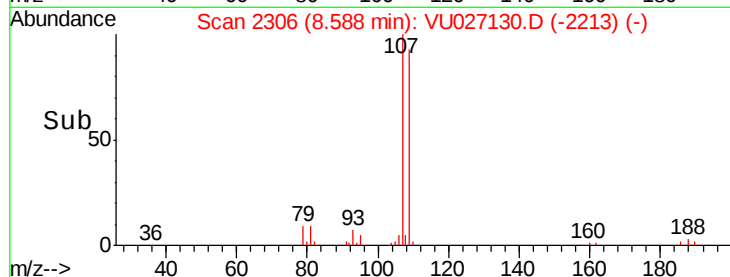
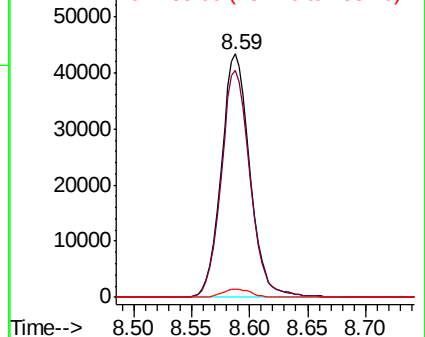
107 100

109 93.3 66.8 124.0

188 3.4 2.7 4.1



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.492 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

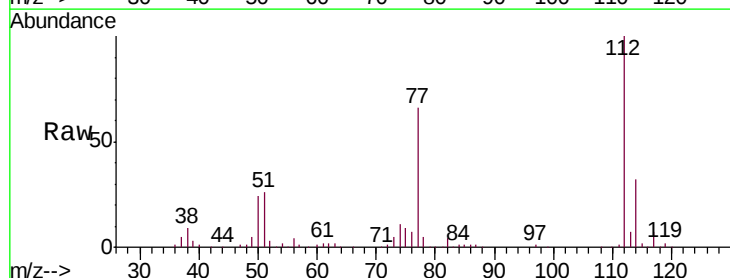
Tgt Ion:112 Resp: 187448

Ion Ratio Lower Upper

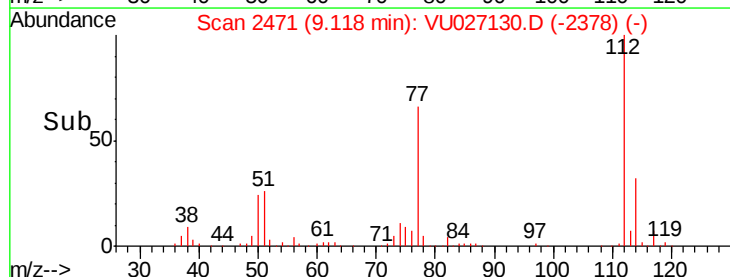
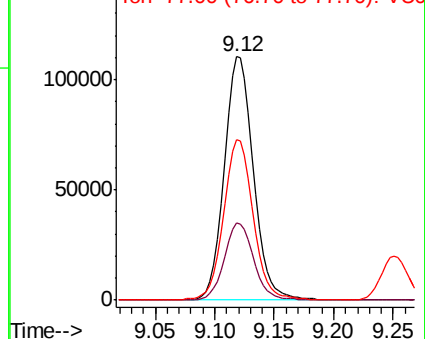
112 100

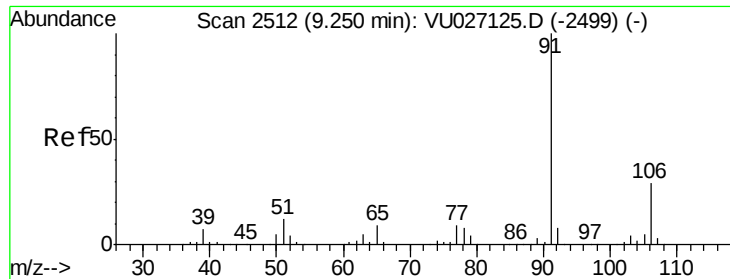
114 31.5 22.2 41.2

77 66.1 52.9 79.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

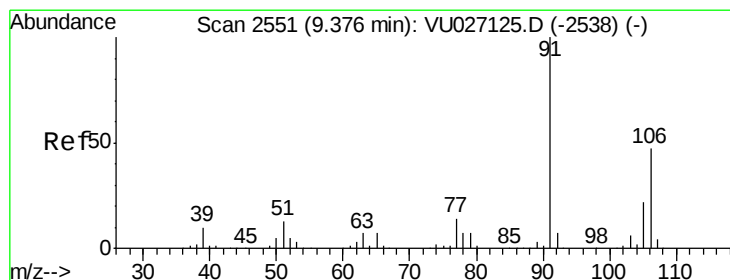
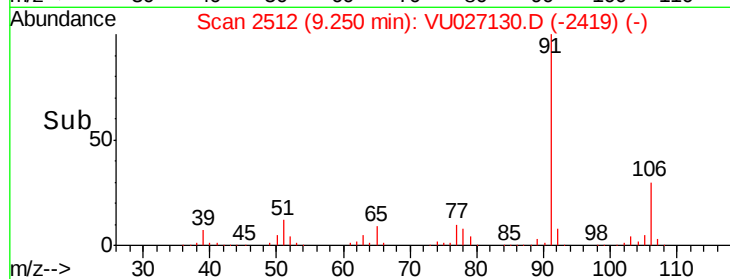
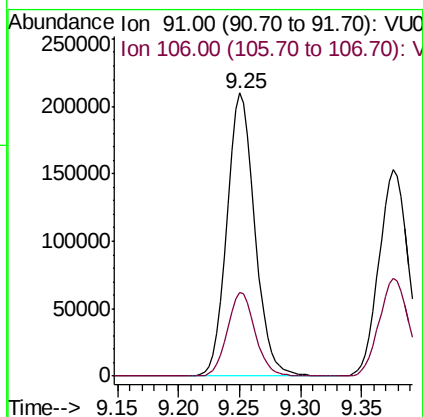
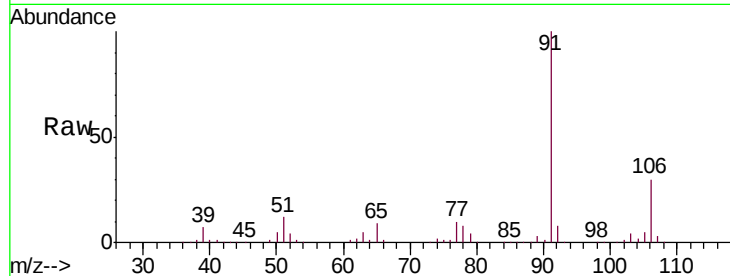




#52
Ethylbenzene
Concen: 51.581 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

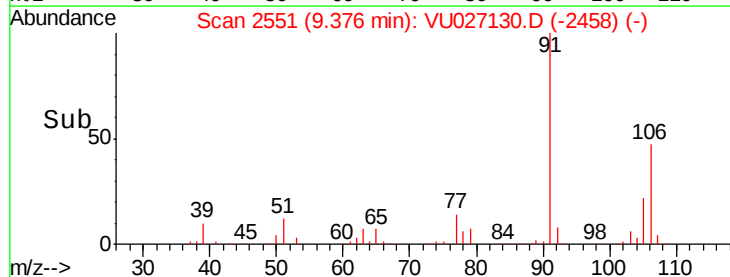
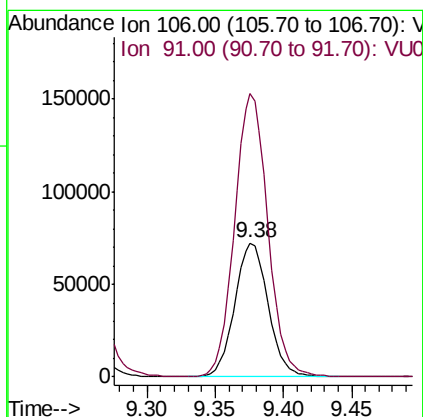
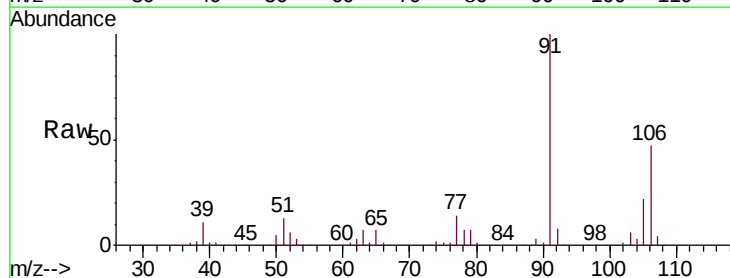
Instrument :
MSVOA_U
ClientSampleId :
BFB45

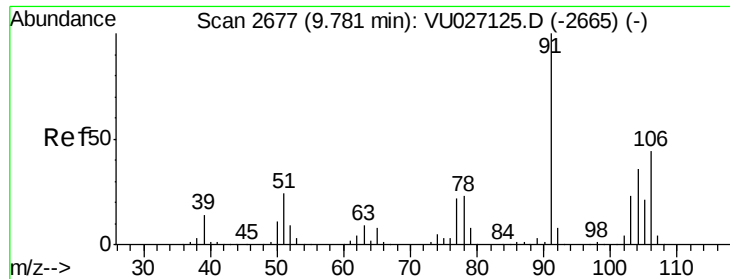
Tgt Ion: 91 Resp: 337234
Ion Ratio Lower Upper
91 100
106 29.5 20.2 37.4



#53
m,p-Xylene
Concen: 52.608 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Tgt Ion: 106 Resp: 122457
Ion Ratio Lower Upper
106 100
91 210.9 149.4 277.5

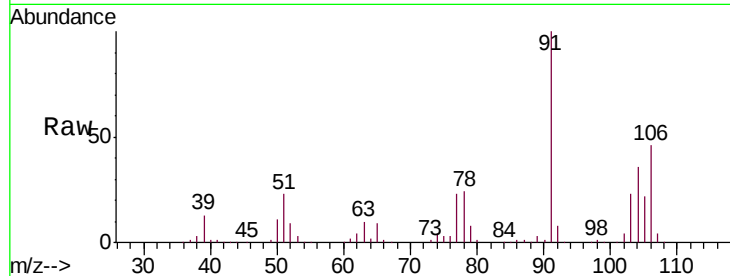




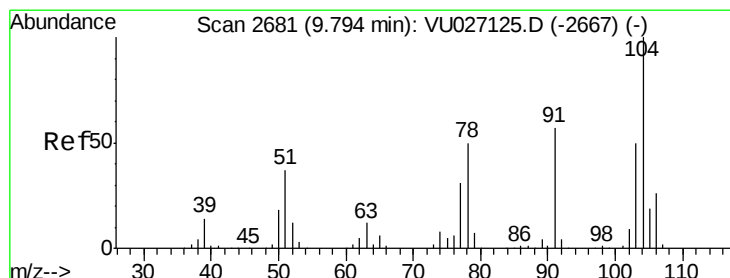
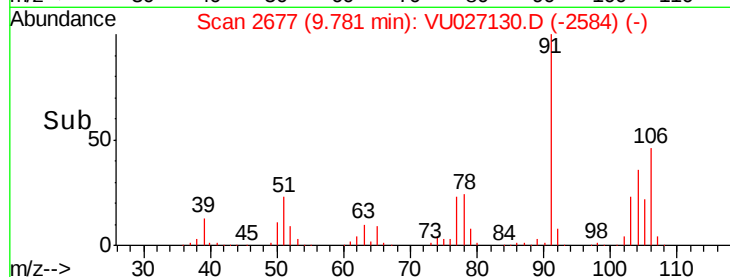
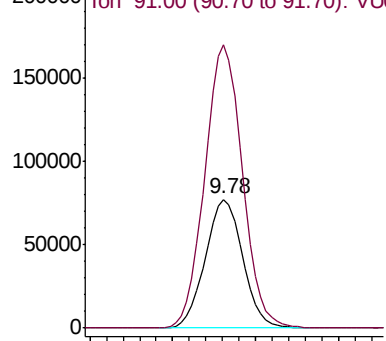
#54
o-xylene
Concen: 53.458 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Instrument :
MSVOA_U
ClientSampleId :
BFB45

Tgt Ion:106 Resp: 121894
Ion Ratio Lower Upper
106 100
91 219.7 159.4 296.0

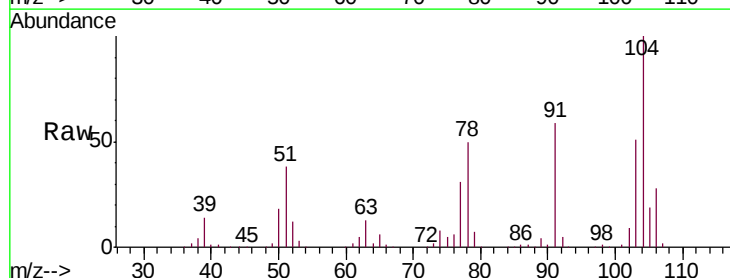


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

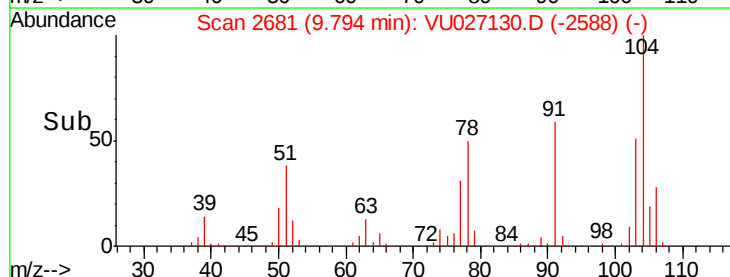
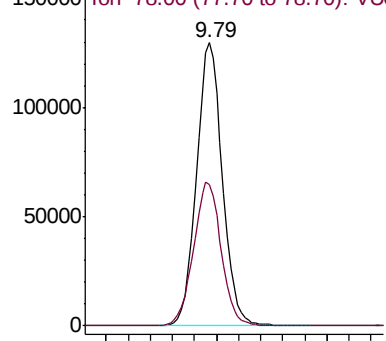


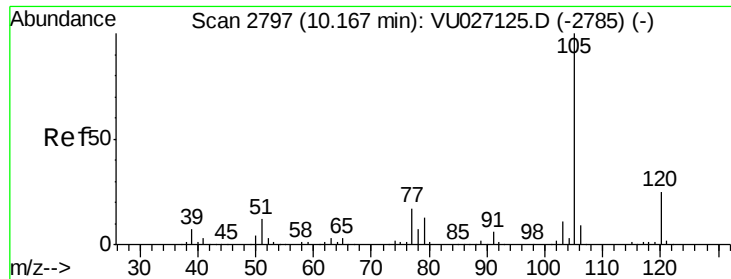
#55
Styrene
Concen: 53.799 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027130.D
Acq: 25 Sep 2018 13:45

Tgt Ion:104 Resp: 210328
Ion Ratio Lower Upper
104 100
78 50.1 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.553 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampled :

BFB45

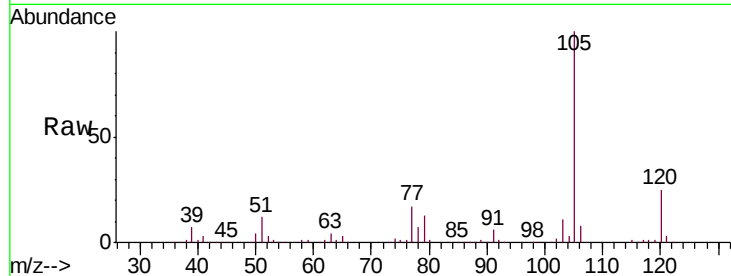
Tgt Ion: 105 Resp: 318800

Ion Ratio Lower Upper

105 100

120 25.1 20.3 30.5

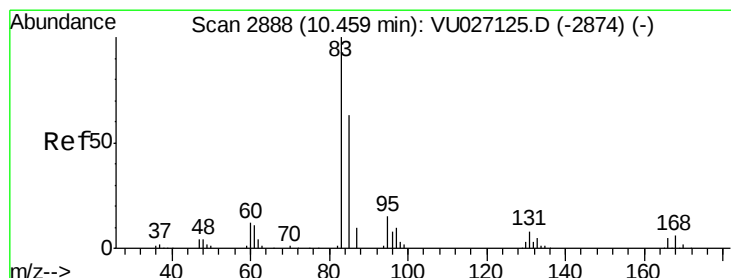
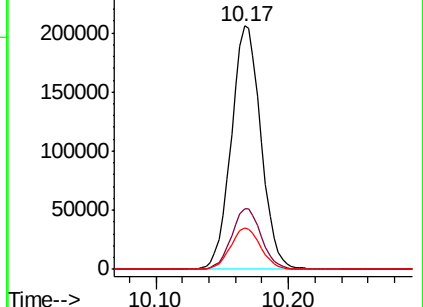
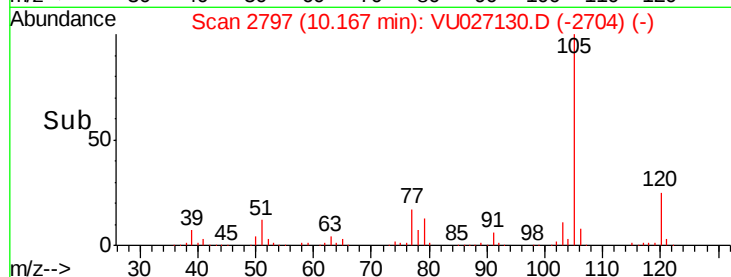
77 17.2 13.9 20.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.096 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

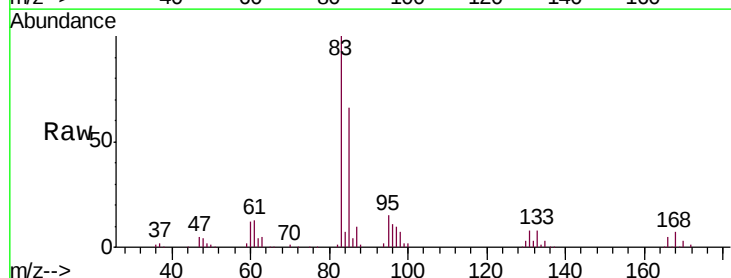
Tgt Ion: 83 Resp: 132056

Ion Ratio Lower Upper

83 100

85 65.5 44.1 81.9

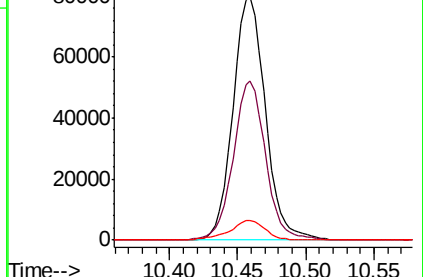
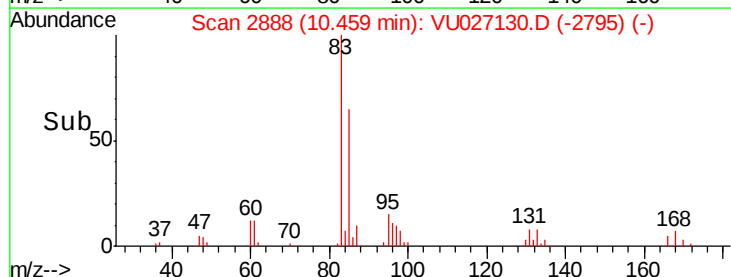
131 8.1 6.8 10.2

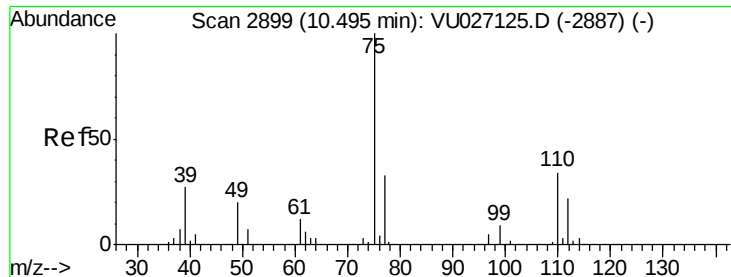


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.823 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

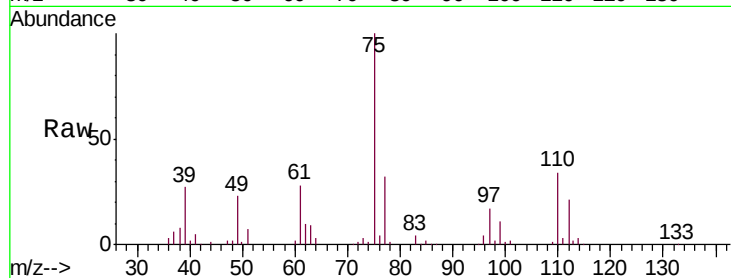
BFB45

Tgt Ion: 75 Resp: 106105

Ion Ratio Lower Upper

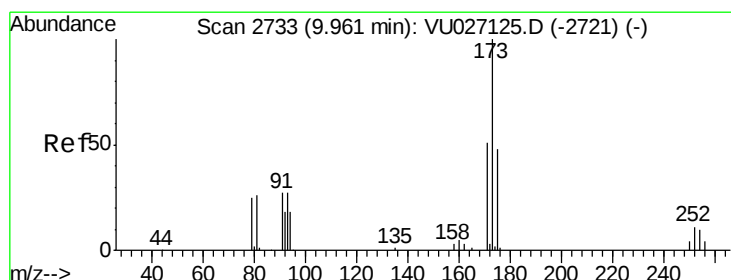
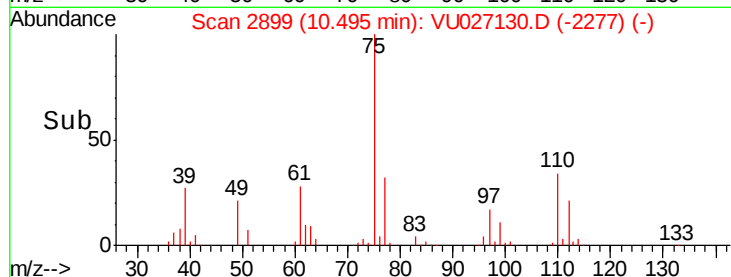
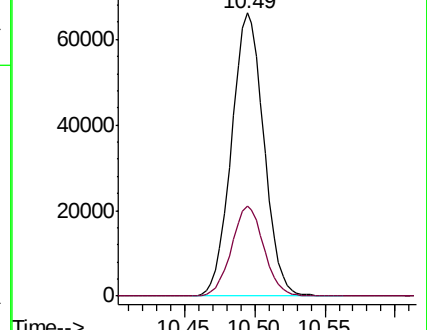
75 100

77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU027125.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027125.D (-2887) (-)



#61

Bromoform

Concen: 47.276 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

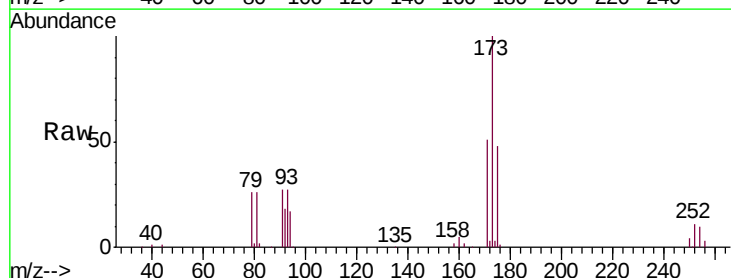
Tgt Ion: 173 Resp: 51830

Ion Ratio Lower Upper

173 100

175 48.0 38.1 57.1

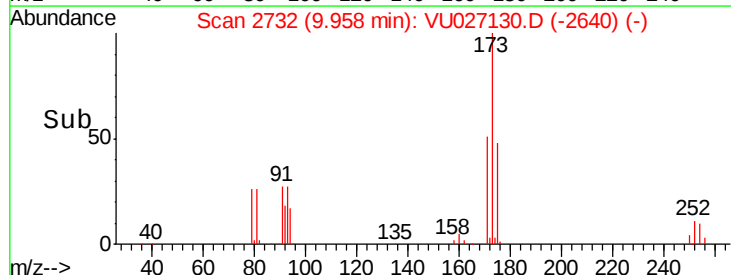
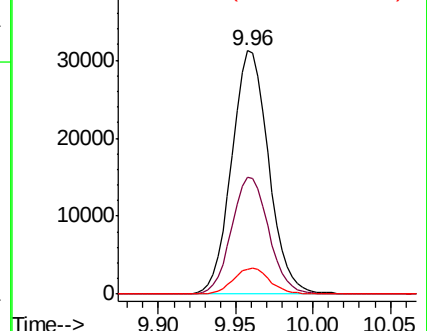
254 10.5 8.0 12.0

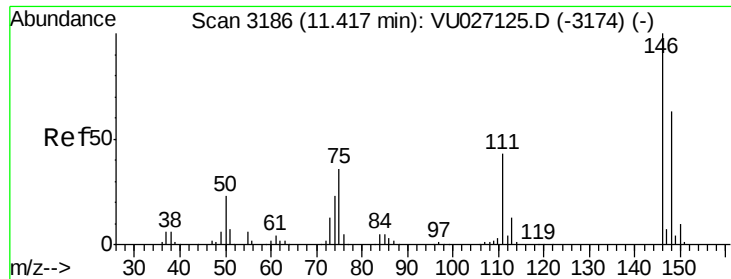


Abundance Ion 173.00 (172.70 to 173.70): VU027125.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU027125.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027125.D (-2721) (-)

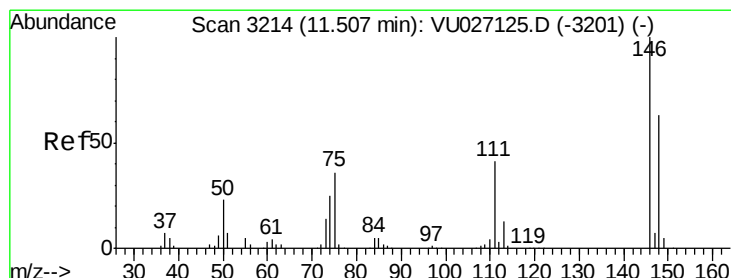
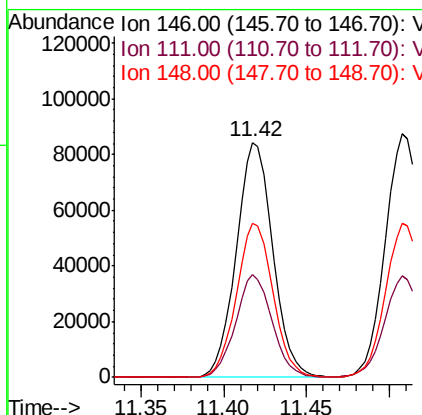
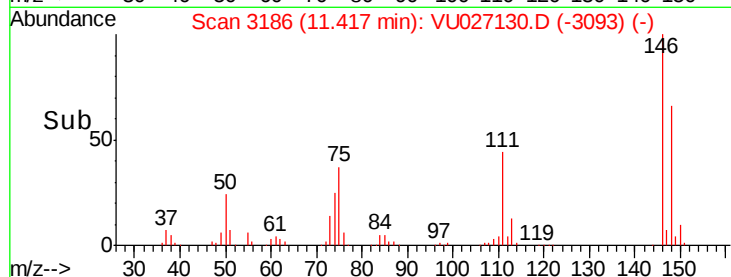
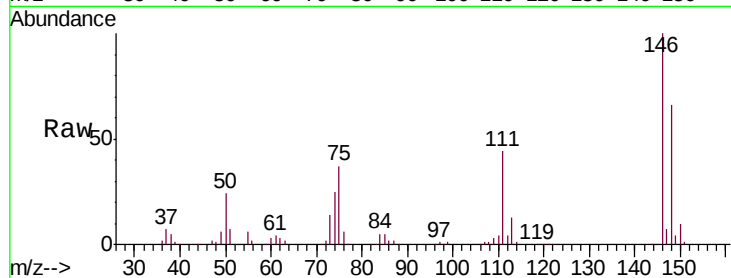




#62
 1,3-Dichlorobenzene
 Concen: 48.658 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

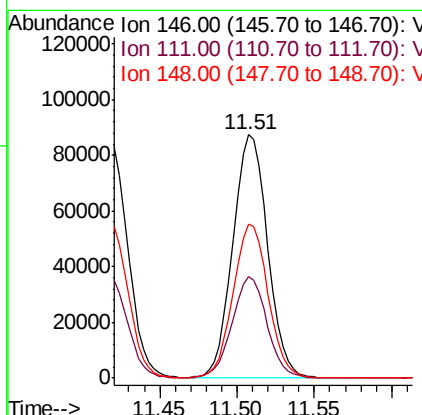
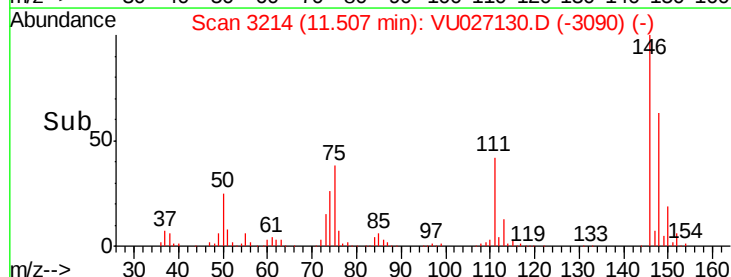
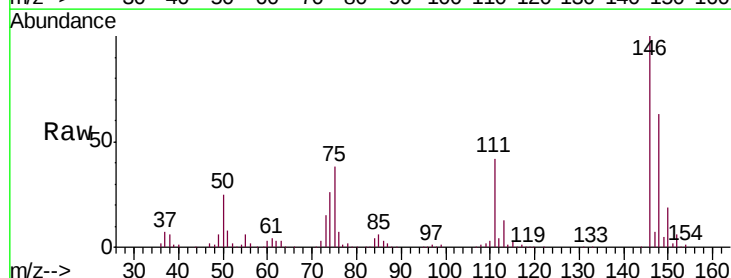
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

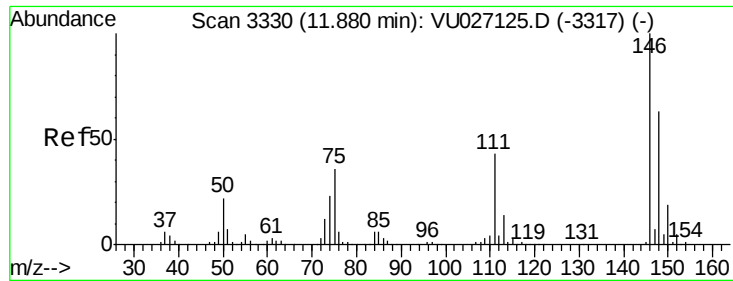
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.0	55.6
148	65.8	43.9	81.5



#63
 1,4-Dichlorobenzene
 Concen: 48.210 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.5	52.9
148	63.1	43.8	81.4

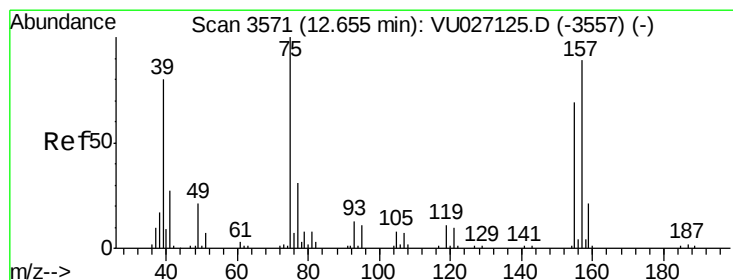
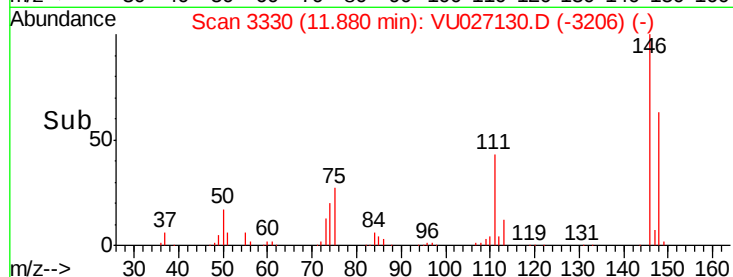
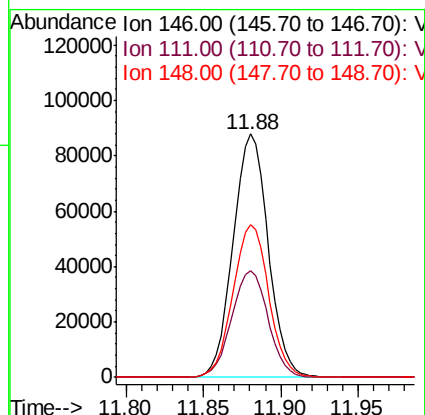
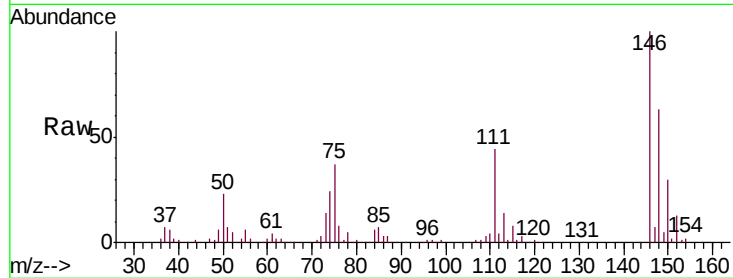




#65
 1,2-Dichlorobenzene
 Concen: 48.252 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

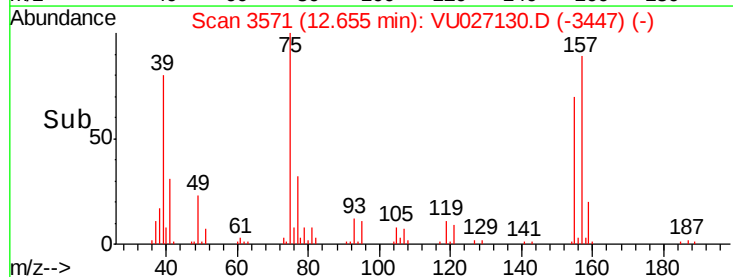
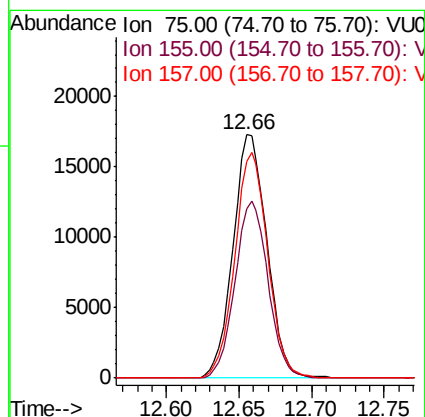
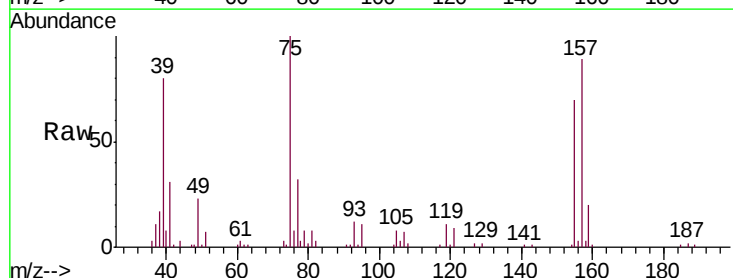
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

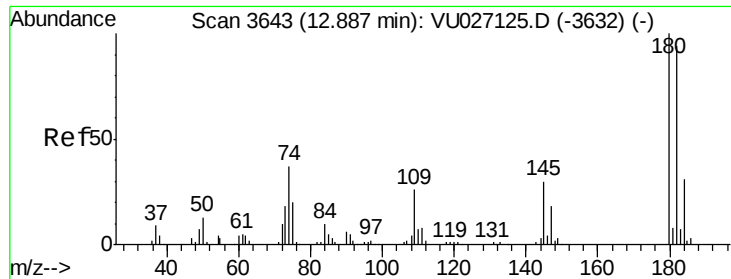
Tgt Ion: 146 Resp: 138320
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.3 51.5
 148 62.7 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.171 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion: 75 Resp: 28022
 Ion Ratio Lower Upper
 75 100
 155 69.5 54.9 82.3
 157 89.3 70.9 106.3

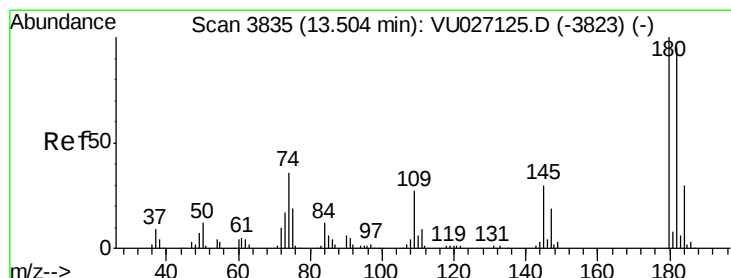
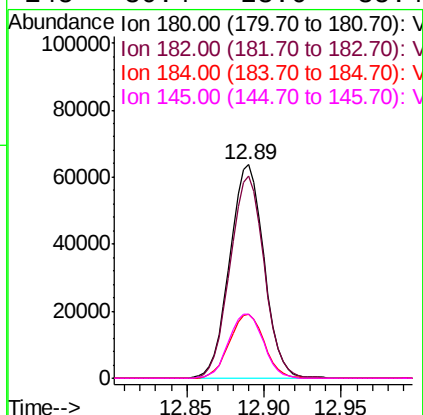
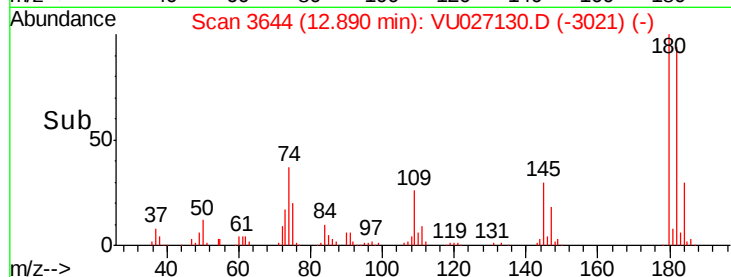
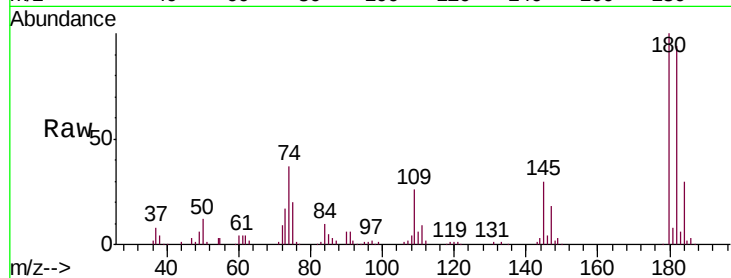




#67
 1,3,5-Trichlorobenzene
 Concen: 50.471 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

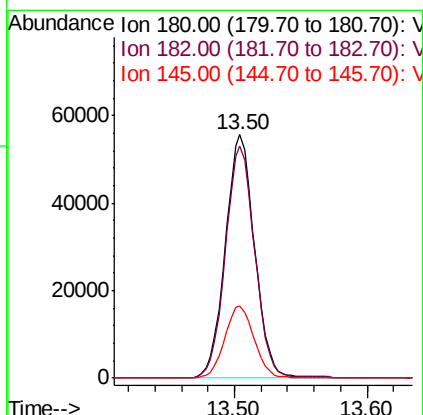
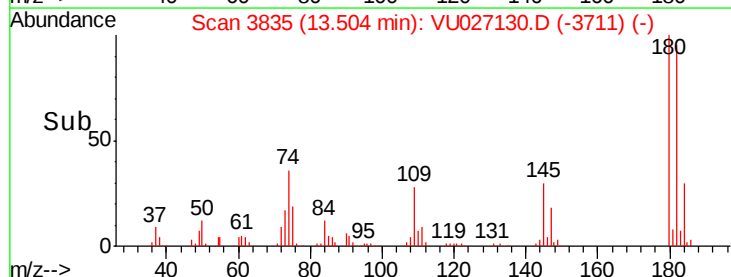
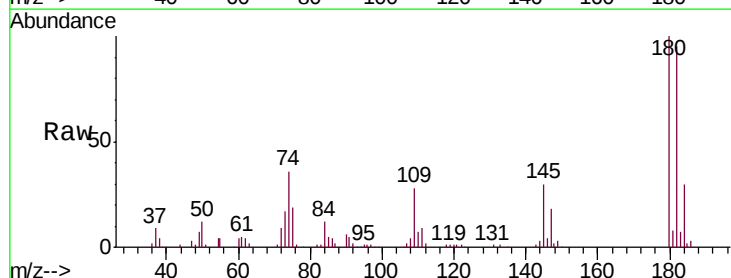
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB45

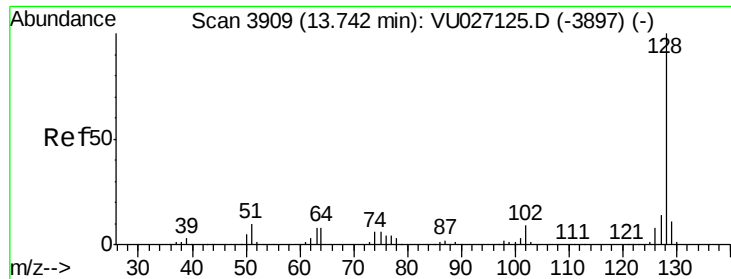
Tgt Ion:180 Resp: 97787
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.3 114.5
 184 30.4 24.6 37.0
 145 30.4 23.6 35.4



#68
 1,2,4-trichlorobenzene
 Concen: 51.722 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027130.D
 Acq: 25 Sep 2018 13:45

Tgt Ion:180 Resp: 85252
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.4 114.6
 145 29.8 24.3 36.5





#69

Naphthalene

Concen: 53.454 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

Instrument :

MSVOA_U

ClientSampleId :

BFB45

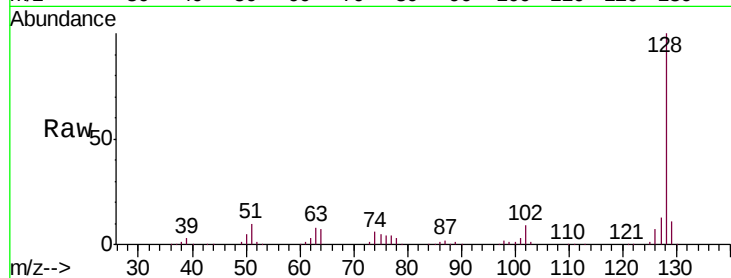
Tgt Ion:128 Resp: 299175

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

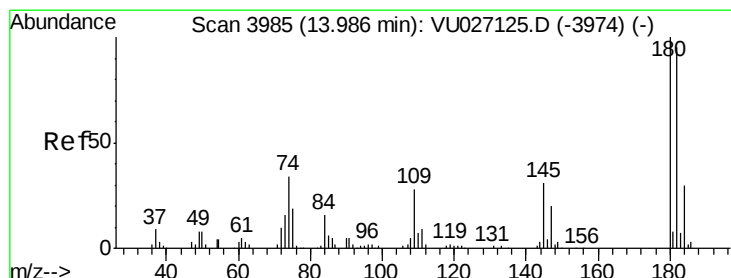
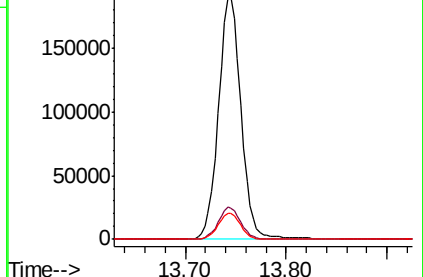
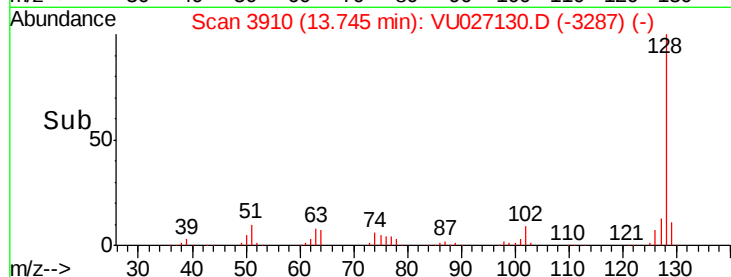
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.030 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027130.D

Acq: 25 Sep 2018 13:45

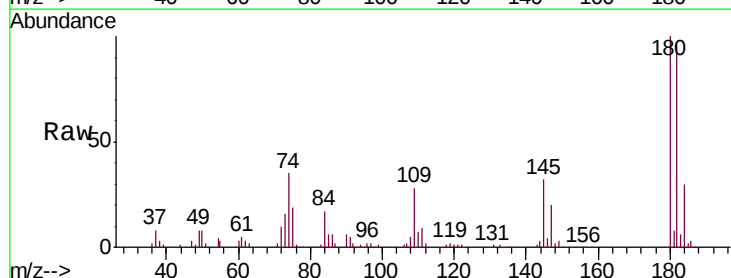
Tgt Ion:180 Resp: 92404

Ion Ratio Lower Upper

180 100

182 97.1 77.0 115.4

145 31.7 25.6 38.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

