

Data File : VU029046.D
Acq On : 07 Jan 2019 09:32
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB67

Quant Time: Jan 08 01:36:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 28 00:46:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212948	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	205699	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82949	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.67	69	62727	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.14%
11) 1,1-Dichloroethene-d2	2.27	63	138508	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
21) 2-Butanone-d5	4.17	46	112231	93.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.83%
24) Chloroform-d	4.64	84	130943	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.31	65	78917	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
32) Benzene-d6	5.34	84	279247	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.33	67	92851	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.06%
41) Toluene-d8	7.56	98	257851	48.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.92%
43) trans-1,3-Dichloropropene-	7.85	79	42636	48.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.40%
47) 2-Hexanone-d5	8.31	63	80878	86.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	130263	47.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	95509	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	77678	44.735	ug/L 99
3) Chloromethane	1.33	50	94009	39.815	ug/L 99
5) Vinyl chloride	1.40	62	94351	45.233	ug/L 98
6) Bromomethane	1.61	94	41430	46.628	ug/L 94
8) Chloroethane	1.69	64	53952	45.314	ug/L 97
9) Trichlorofluoromethane	1.88	101	99420	46.610	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66232	47.991	ug/L 99
12) 1,1-Dichloroethene	2.28	96	61976	45.392	ug/L 94
13) Acetone	2.32	43	125428	102.900	ug/L 98
14) Carbon disulfide	2.47	76	203309	42.640	ug/L 100
15) Methyl Acetate	2.61	43	86375	45.452	ug/L 98
16) Methylene chloride	2.70	84	78568	46.662	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	68288	46.164	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	215612	47.401	ug/L 99
19) 1,1-Dichloroethane	3.44	63	134603	46.810	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	80831	48.238	ug/L 93
22) 2-Butanone	4.26	43	149696	100.851	ug/L 98

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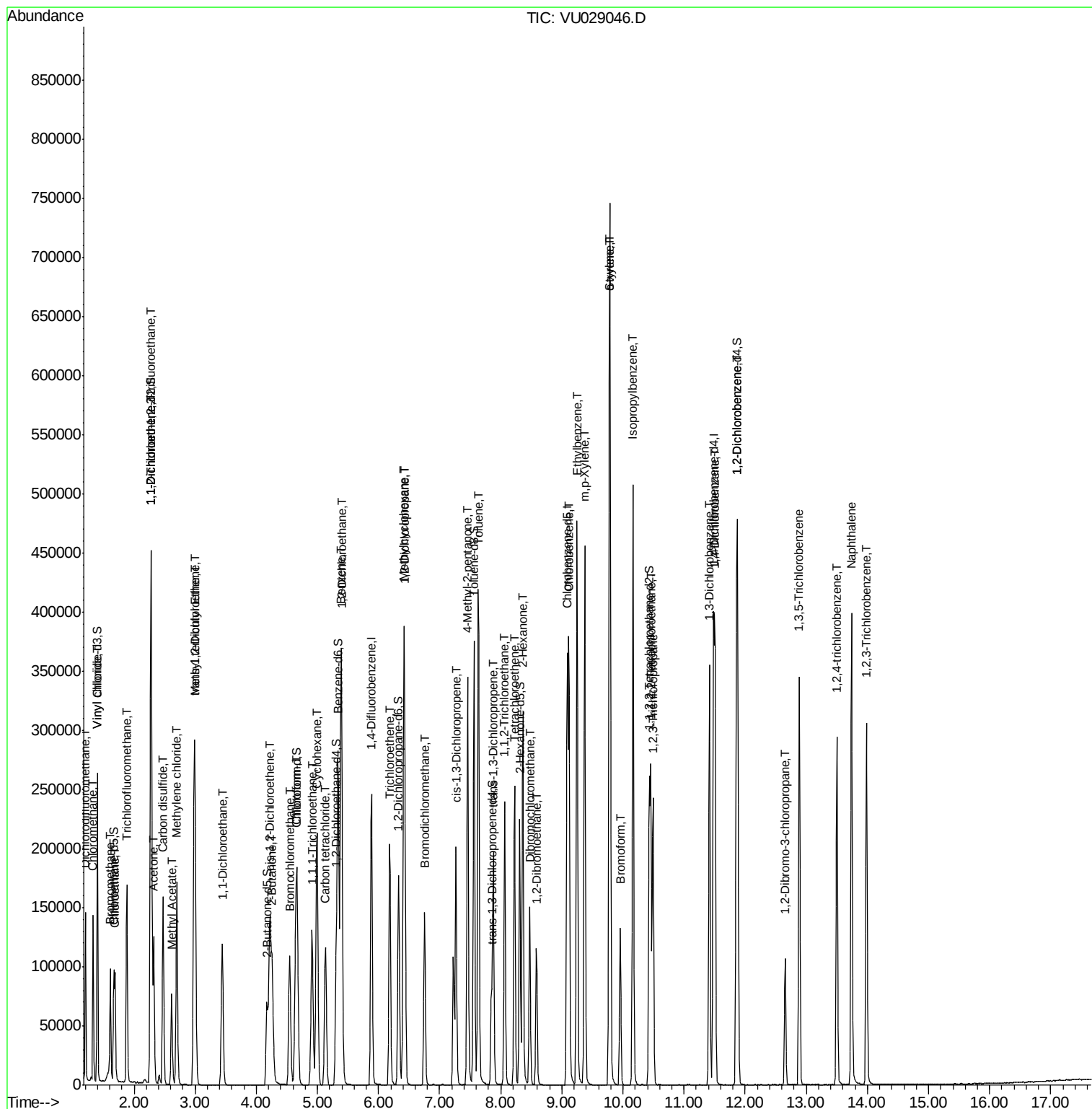
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38178	47.793	ug/L	93
25) Chloroform	4.67	83	128487	46.946	ug/L	100
27) 1,2-Dichloroethane	5.40	62	96818	47.599	ug/L	100
29) Cyclohexane	4.99	56	119758	43.743	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	103074	47.343	ug/L	99
31) Carbon tetrachloride	5.13	117	86008	48.988	ug/L	99
33) Benzene	5.39	78	308881	47.167	ug/L	100
34) Trichloroethene	6.18	95	74258	46.969	ug/L	97
35) Methylcyclohexane	6.41	83	121108	45.992	ug/L	99
37) 1,2-Dichloropropane	6.43	63	87031	47.542	ug/L	99
38) Bromodichloromethane	6.76	83	98597	48.637	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	123528	47.332	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	230196	93.556	ug/L	99
42) Toluene	7.63	91	318199	47.933	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	112323	48.282	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	75758	48.402	ug/L	98
46) Tetrachloroethene	8.22	164	59558	48.912	ug/L	97
48) 2-Hexanone	8.36	43	194281	96.203	ug/L	98
49) Dibromochloromethane	8.48	129	78536	50.375	ug/L	99
50) 1,2-Dibromoethane	8.58	107	80153	49.220	ug/L	99
51) Chlorobenzene	9.12	112	202515	48.405	ug/L	99
52) Ethylbenzene	9.25	91	343236	48.120	ug/L	99
53) m,p-Xylene	9.37	106	128988	48.902	ug/L	97
54) o-xylene	9.78	106	129371	48.937	ug/L	97
55) Styrene	9.79	104	221783	49.534	ug/L	100
56) Isopropylbenzene	10.16	105	328110	48.925	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	136224	47.909	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	104015	47.614	ug/L	100
61) Bromoform	9.95	173	62098	51.081	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	150876	48.432	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	154107	48.015	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	158596	48.803	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	27363	48.814	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	112267	48.878	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	97257	50.565	ug/L	99
69) Naphthalene	13.74	128	322372	48.275	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	101392	48.887	ug/L	99

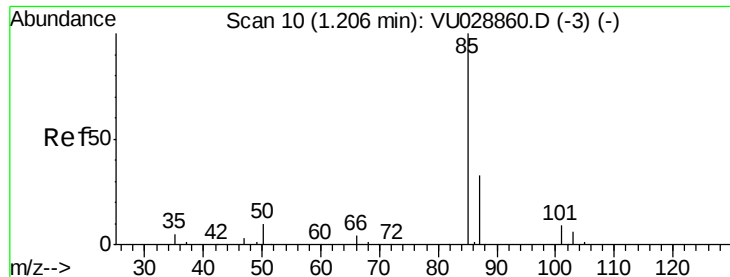
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.735 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

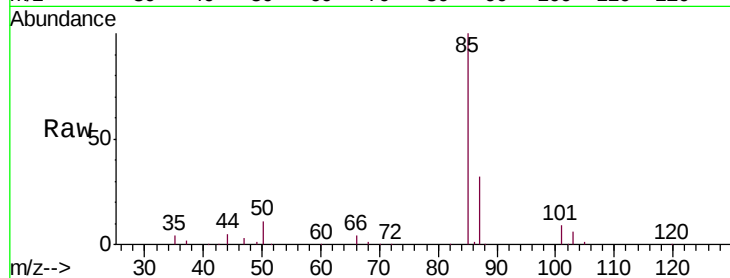
BFB67

Tgt Ion: 85 Resp: 77678

Ion Ratio Lower Upper

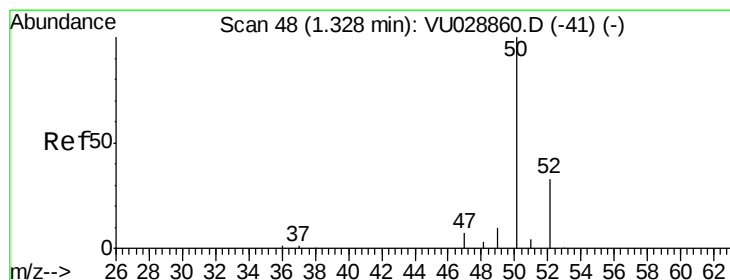
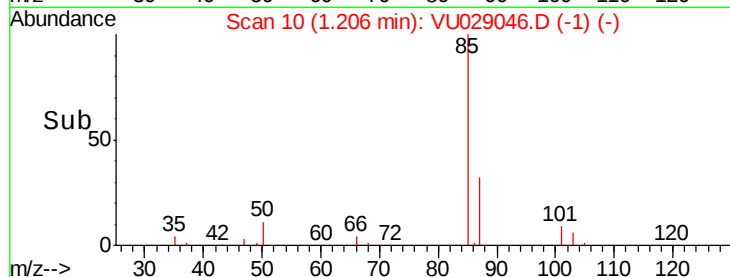
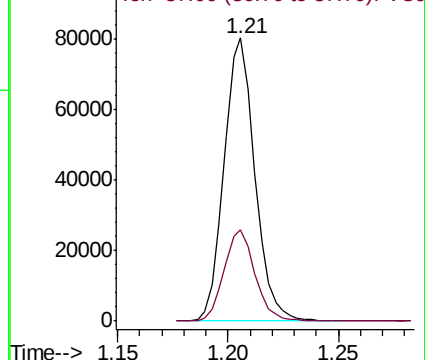
85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 39.815 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029046.D

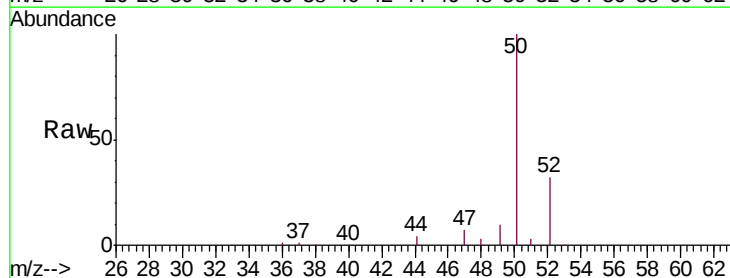
Acq: 07 Jan 2019 09:32

Tgt Ion: 50 Resp: 94009

Ion Ratio Lower Upper

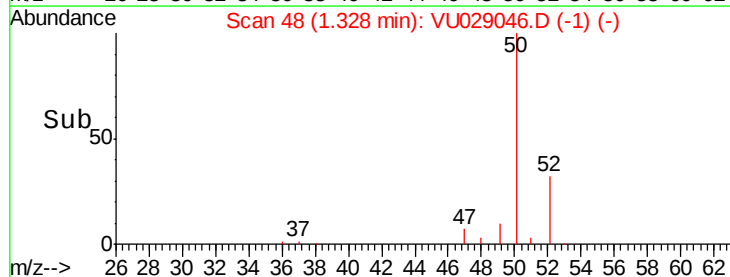
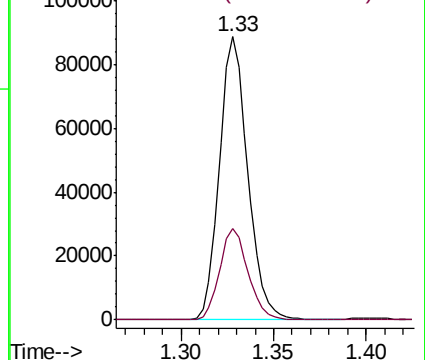
50 100

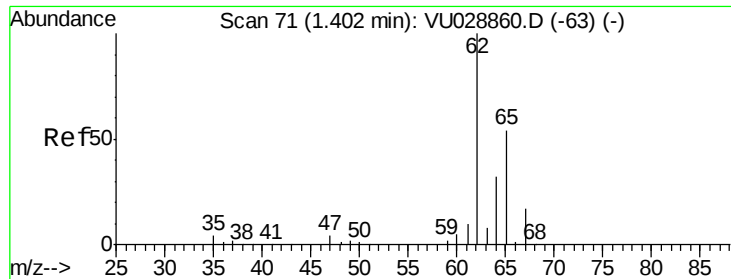
52 32.4 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 45.233 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

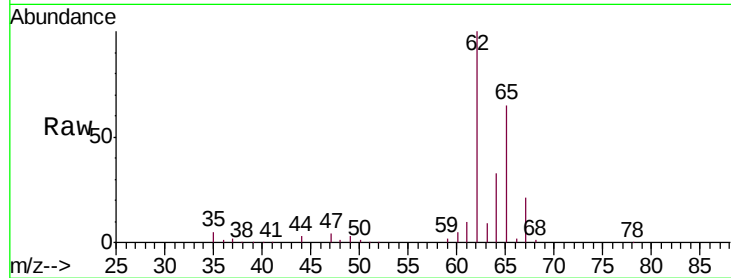
BFB67

Tgt Ion: 62 Resp: 94351

Ion Ratio Lower Upper

62 100

64 32.8 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

100000

80000

60000

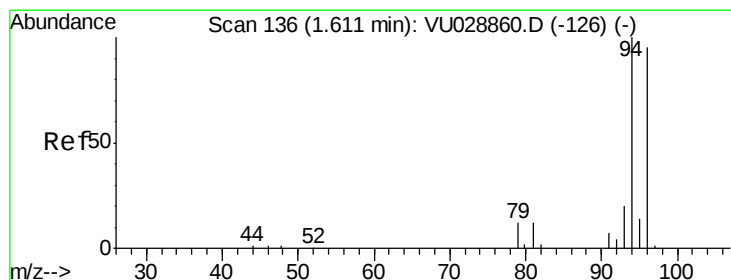
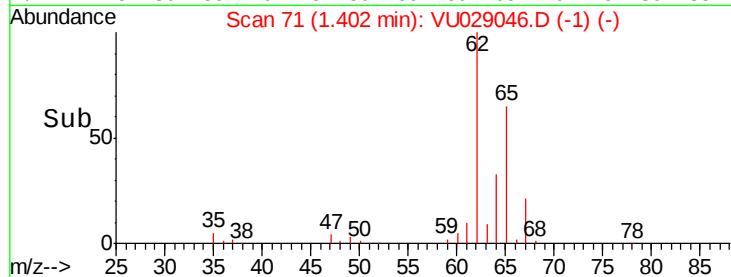
40000

20000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 46.628 ug/L

RT: 1.61 min Scan# 136

Delta R.T. 0.00 min

Lab File: VU029046.D

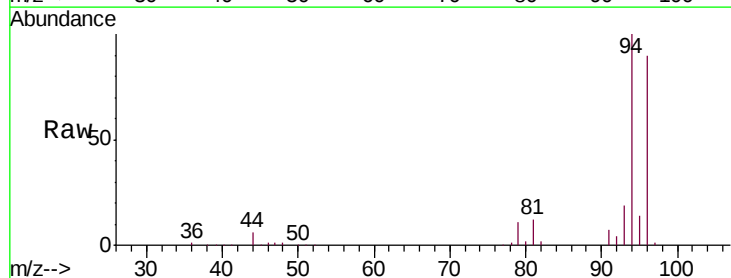
Acq: 07 Jan 2019 09:32

Tgt Ion: 94 Resp: 41430

Ion Ratio Lower Upper

94 100

96 90.4 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

40000

30000

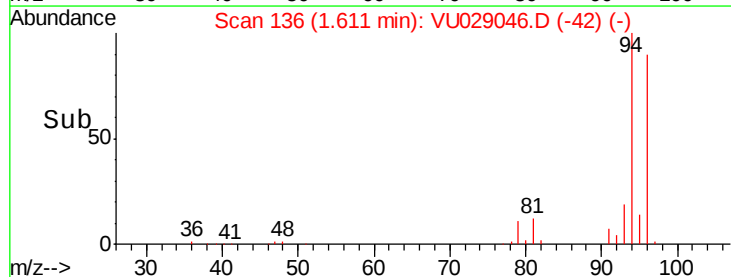
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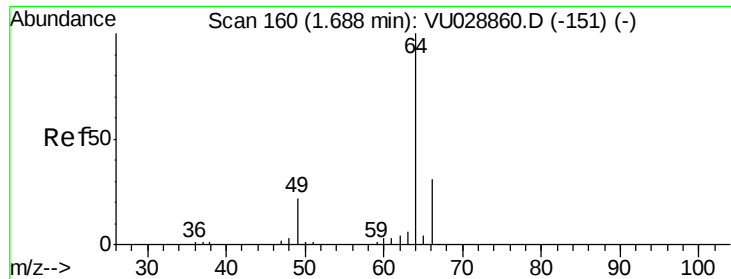
10000

0

Time-->

1.55 1.60 1.65





#8

Chloroethane

Concen: 45.314 ug/L

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

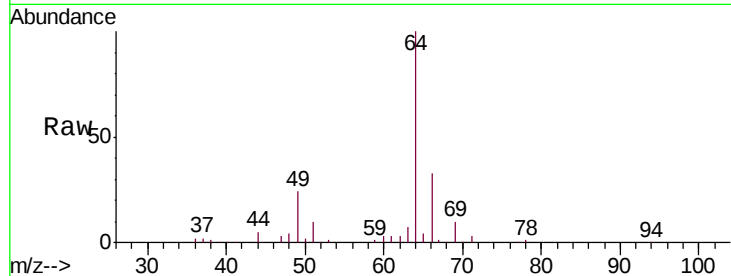
BFB67

Tgt Ion: 64 Resp: 53952

Ion Ratio Lower Upper

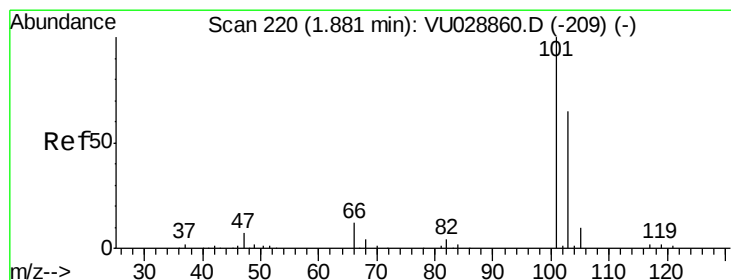
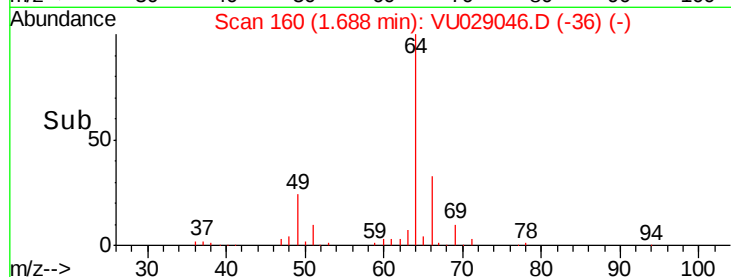
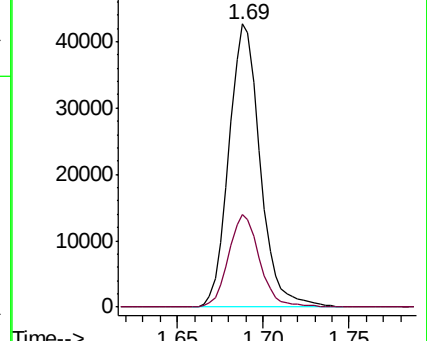
64 100

66 32.6 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU028860.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VU028860.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 46.610 ug/L

RT: 1.88 min Scan# 220

Delta R.T. 0.00 min

Lab File: VU029046.D

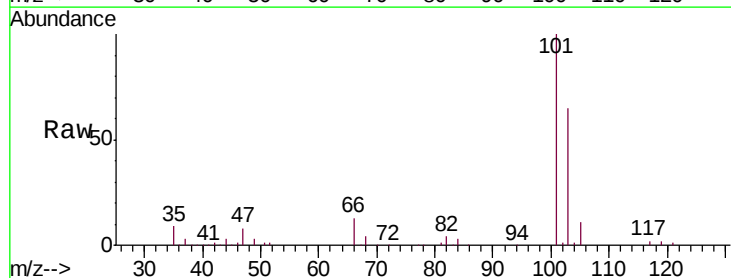
Acq: 07 Jan 2019 09:32

Tgt Ion: 101 Resp: 99420

Ion Ratio Lower Upper

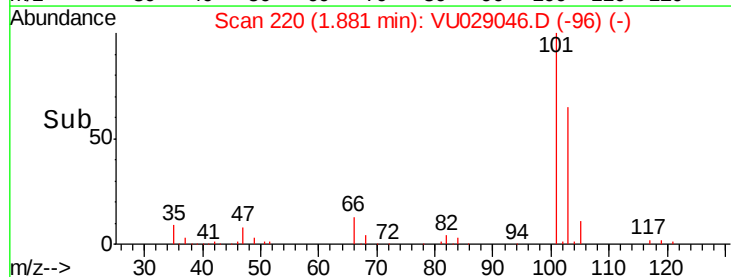
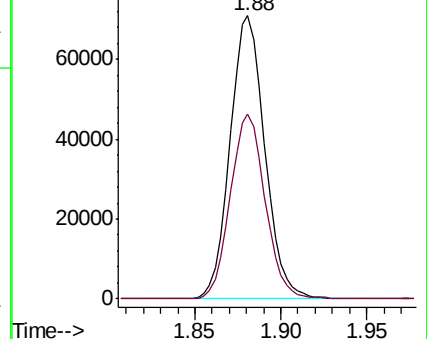
101 100

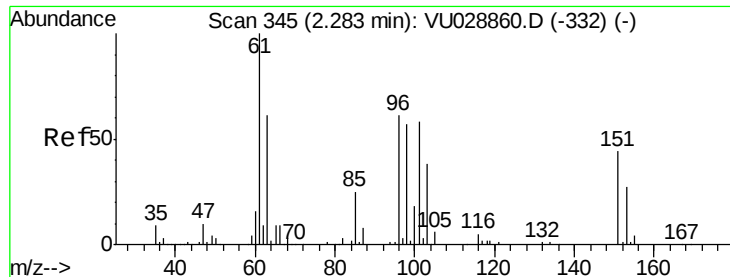
103 65.4 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU028860.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VU028860.D (-209) (-)





#10

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

Concen: 47.991 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

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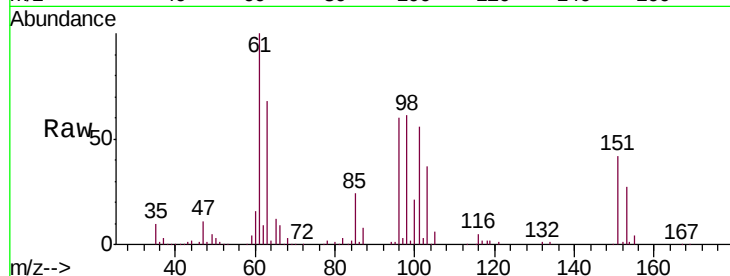
Tgt Ion: 101 Resp: 66232

Ion Ratio Lower Upper

101 100

85 42.6 33.8 50.6

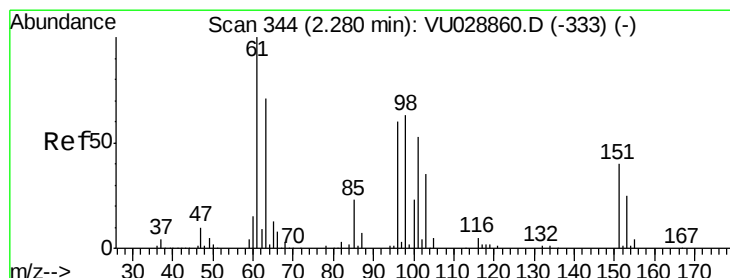
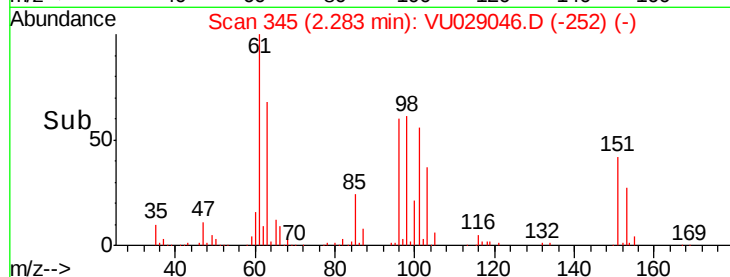
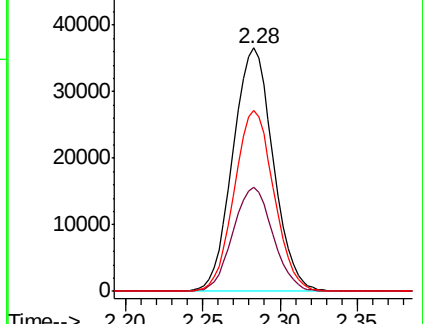
151 73.2 59.4 89.0



Abundance Ion 101.00 (100.70 to 101.70): VU028860.D (-332) (-)

Ion 85.00 (84.70 to 85.70): VU028860.D (-332) (-)

Ion 151.00 (150.70 to 151.70): VU028860.D (-332) (-)



#12

1,1-Dichloroethene

Concen: 45.392 ug/L

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

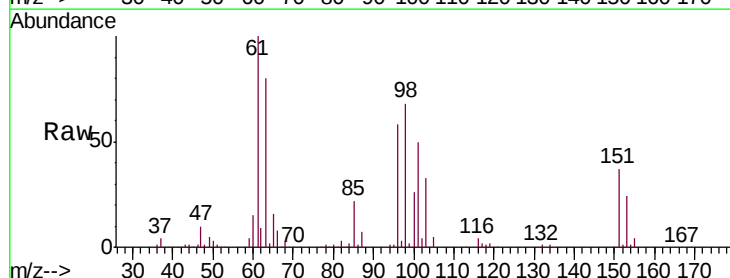
Tgt Ion: 96 Resp: 61976

Ion Ratio Lower Upper

96 100

61 171.9 119.3 221.5

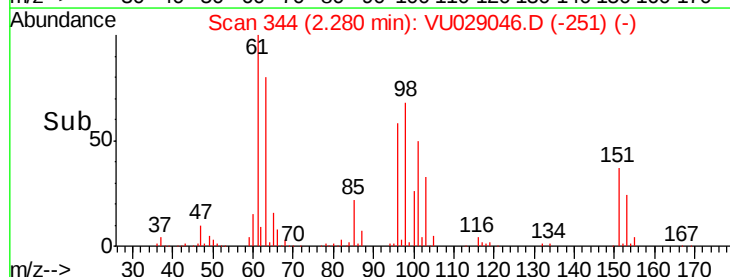
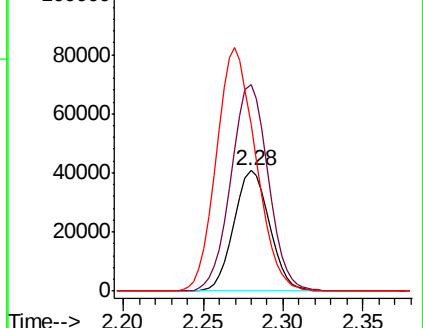
63 138.0 107.4 199.6

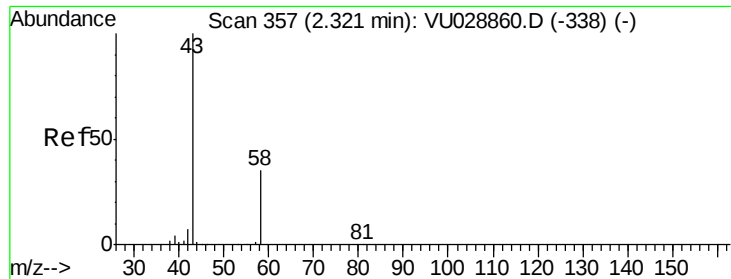


Abundance Ion 96.00 (95.70 to 96.70): VU028860.D (-333) (-)

Ion 61.00 (60.70 to 61.70): VU028860.D (-333) (-)

Ion 63.00 (62.70 to 63.70): VU028860.D (-333) (-)





#13

Acetone

Concen: 102.900 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

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MSVOA_U

ClientSampleId :

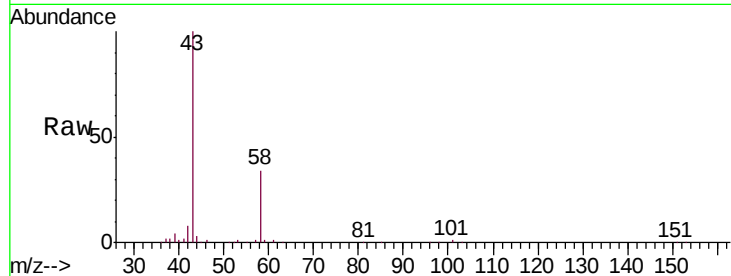
BFB67

Tgt Ion: 43 Resp: 125428

Ion Ratio Lower Upper

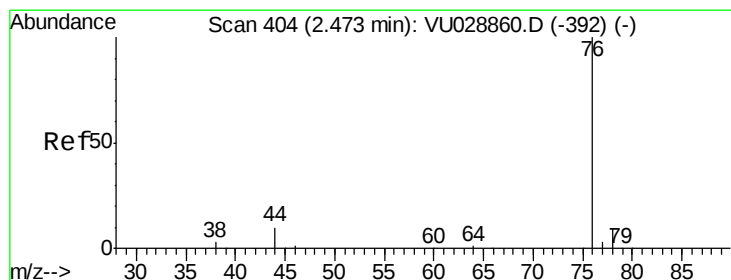
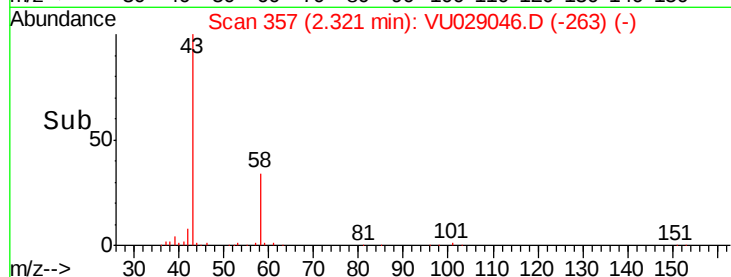
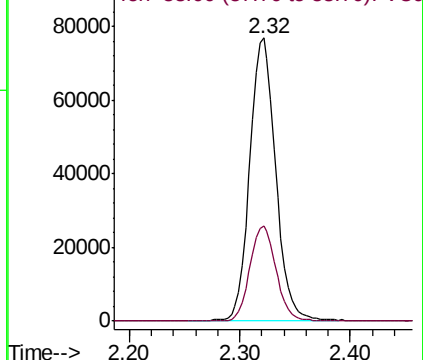
43 100

58 33.9 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028860.D (-338) (-)

Ion 58.00 (57.70 to 58.70): VU028860.D (-338) (-)



#14

Carbon disulfide

Concen: 42.640 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU029046.D

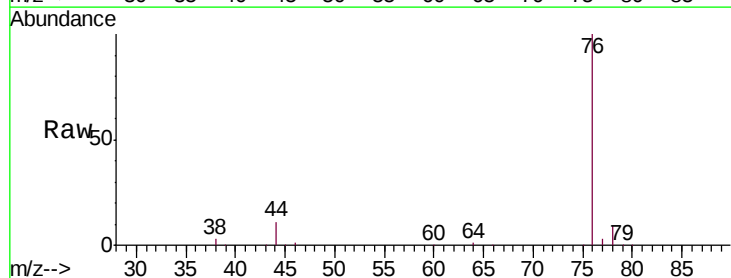
Acq: 07 Jan 2019 09:32

Tgt Ion: 76 Resp: 203309

Ion Ratio Lower Upper

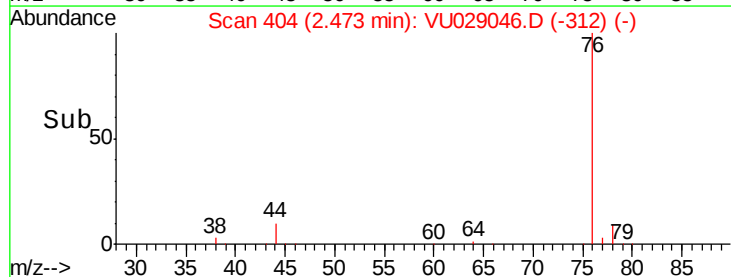
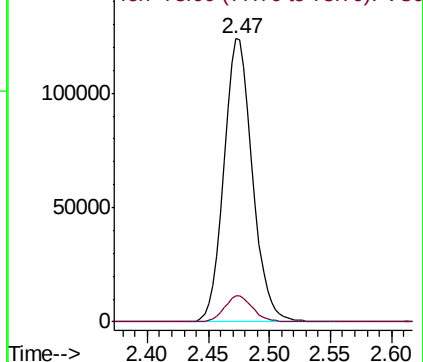
76 100

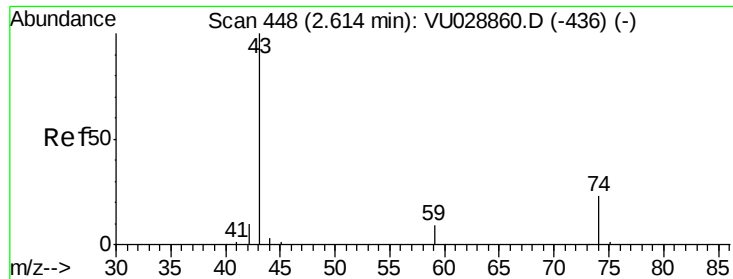
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU028860.D (-392) (-)

Ion 78.00 (77.70 to 78.70): VU028860.D (-392) (-)

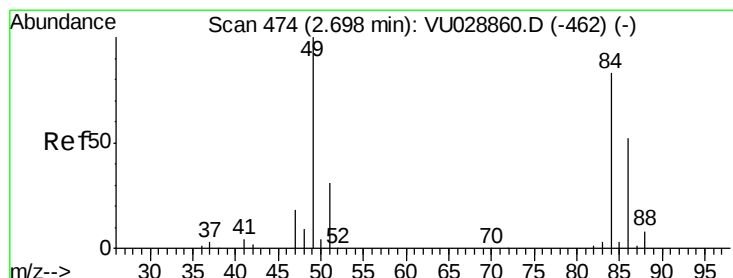
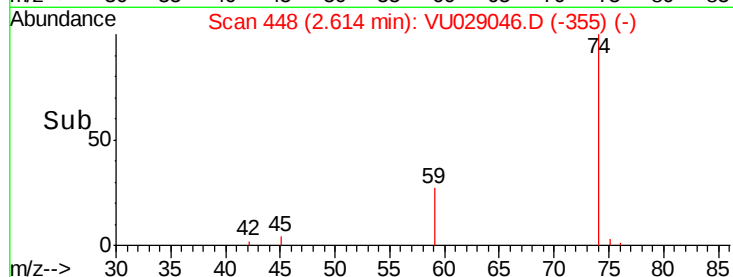
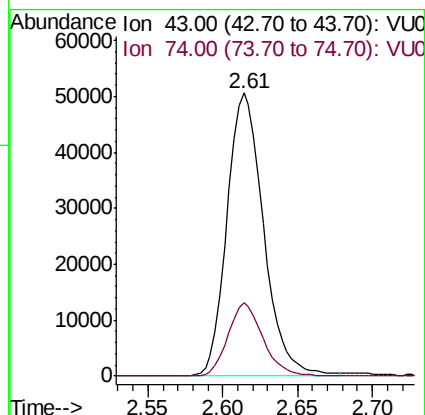
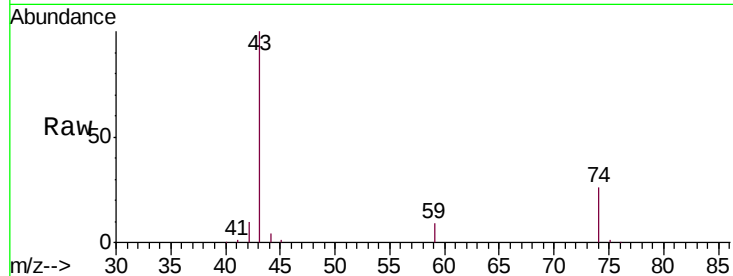




#15
Methyl Acetate
Concen: 45.452 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

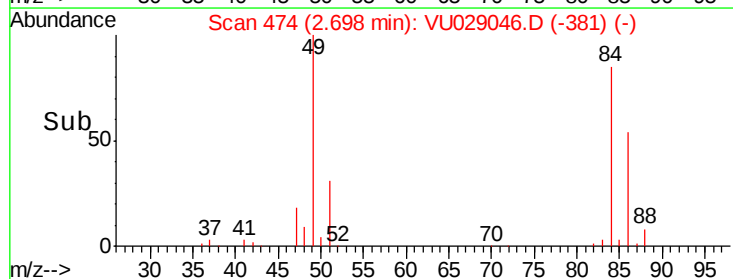
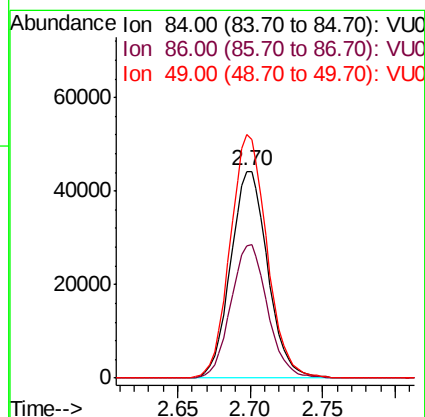
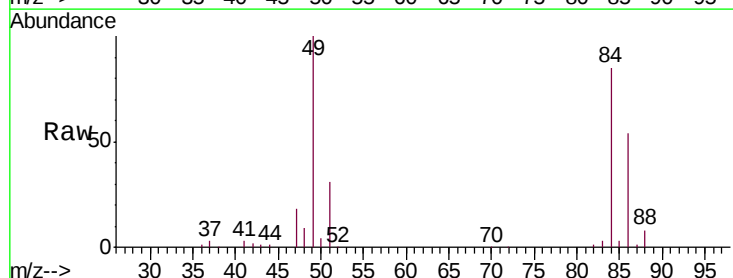
Instrument :
MSVOA_U
ClientSampleId :
BFB67

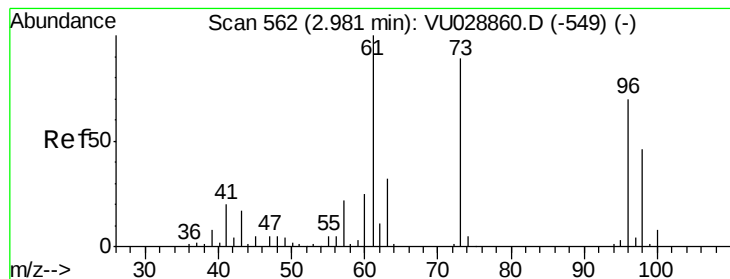
Tgt Ion: 43 Resp: 86375
Ion Ratio Lower Upper
43 100
74 24.6 19.0 28.4



#16
Methylene chloride
Concen: 46.662 ug/L
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Tgt Ion: 84 Resp: 78568
Ion Ratio Lower Upper
84 100
86 63.9 44.9 83.3
49 117.6 83.9 155.7





#17

trans-1,2-Dichloroethene

Concen: 46.164 ug/L

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

BFB67

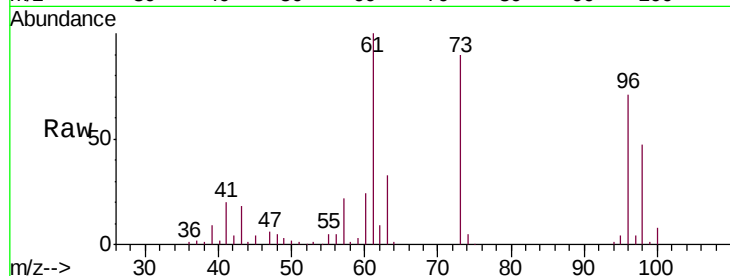
Tgt Ion: 96 Resp: 68288

Ion Ratio Lower Upper

96 100

61 141.2 97.9 181.7

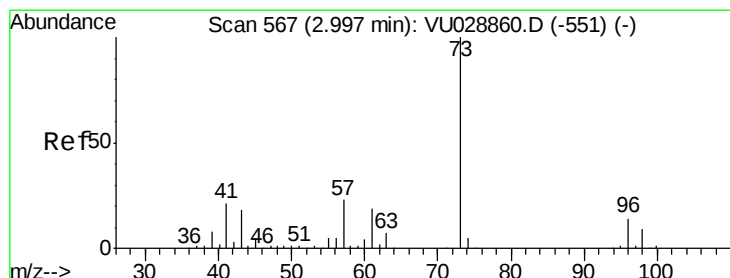
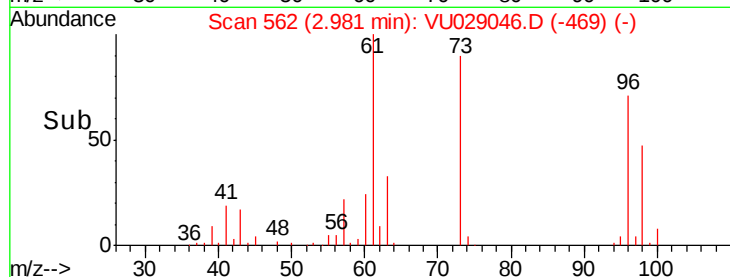
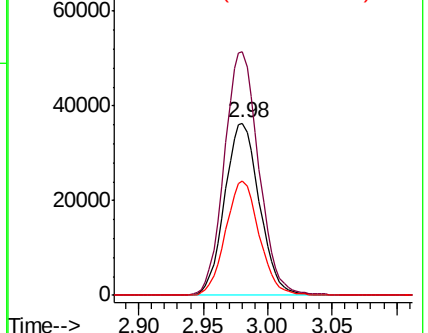
98 66.5 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VU028860.D (-549) (-)

Ion 61.00 (60.70 to 61.70): VU028860.D (-549) (-)

Ion 98.00 (97.70 to 98.70): VU028860.D (-549) (-)



#18

Methyl tert-butyl Ether

Concen: 47.401 ug/L

RT: 3.00 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

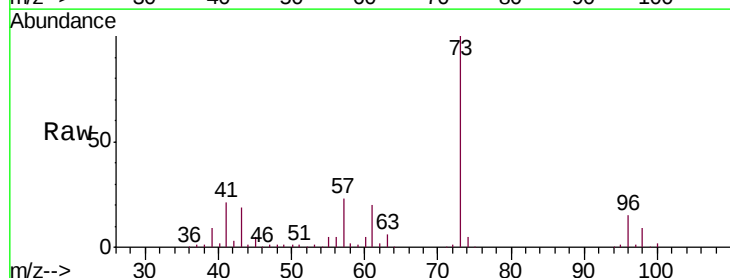
Tgt Ion: 73 Resp: 215612

Ion Ratio Lower Upper

73 100

43 18.8 15.3 22.9

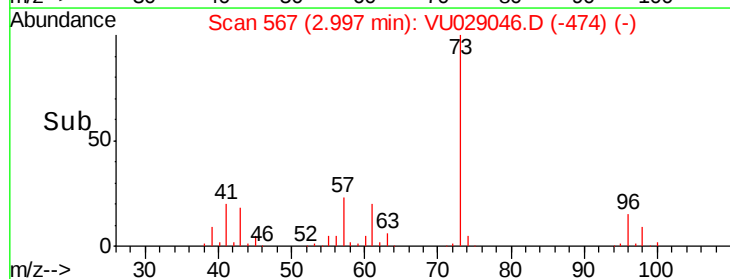
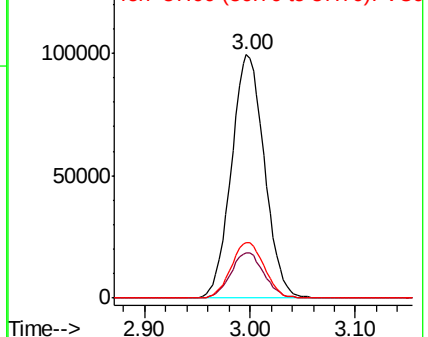
57 23.0 19.0 28.4

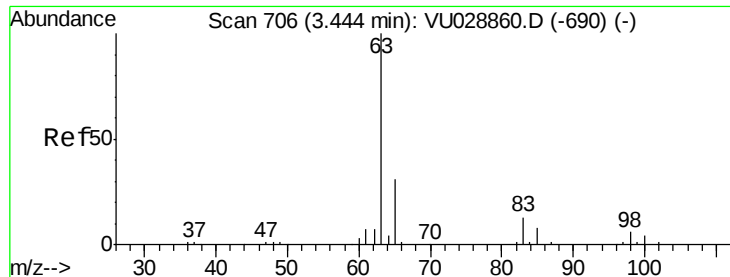


Abundance Ion 73.00 (72.70 to 73.70): VU028860.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VU028860.D (-551) (-)

Ion 57.00 (56.70 to 57.70): VU028860.D (-551) (-)

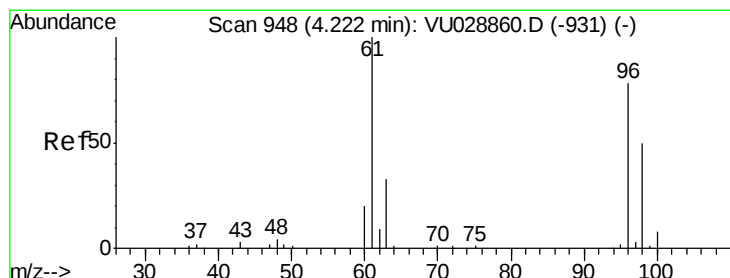
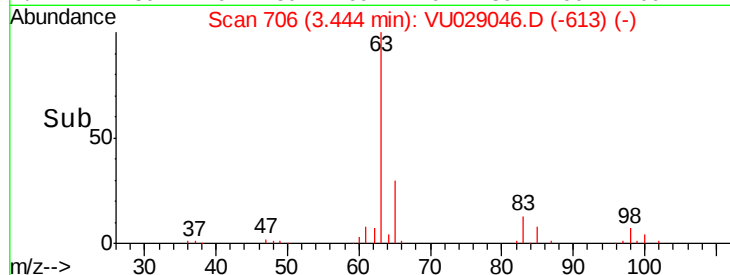
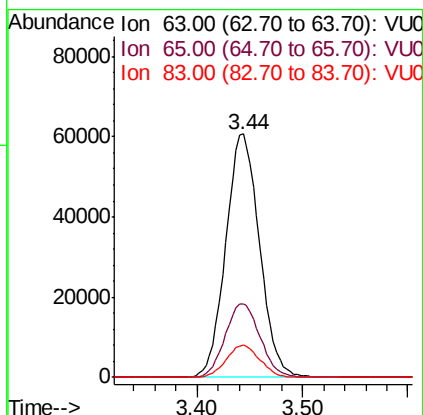
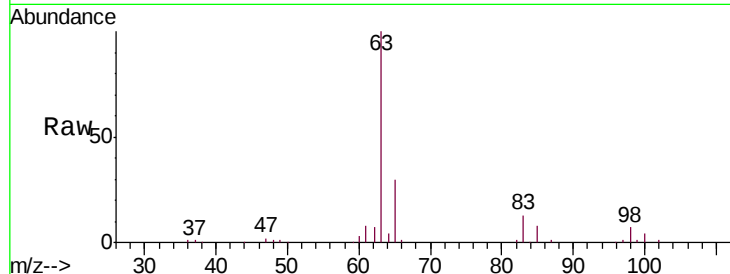




#19
 1,1-Dichloroethane
 Concen: 46.810 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

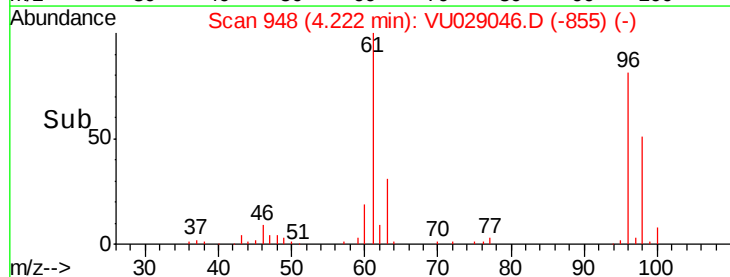
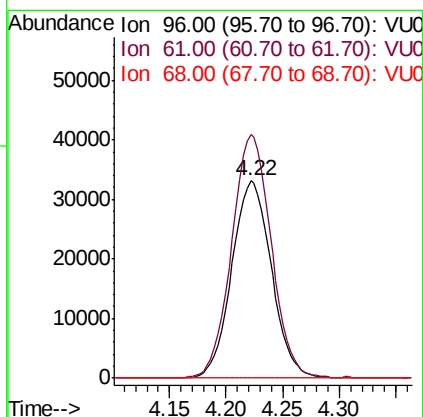
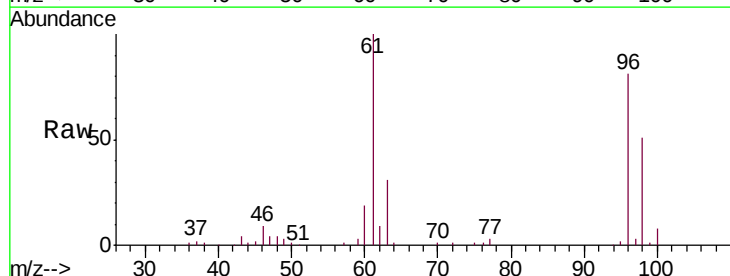
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB67

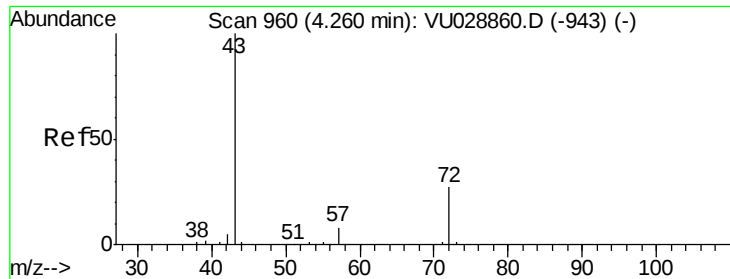
Tgt Ion: 63 Resp: 134603
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.7 42.1
 83 13.1 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.238 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

Tgt Ion: 96 Resp: 80831
 Ion Ratio Lower Upper
 96 100
 61 123.6 92.1 171.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.851 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

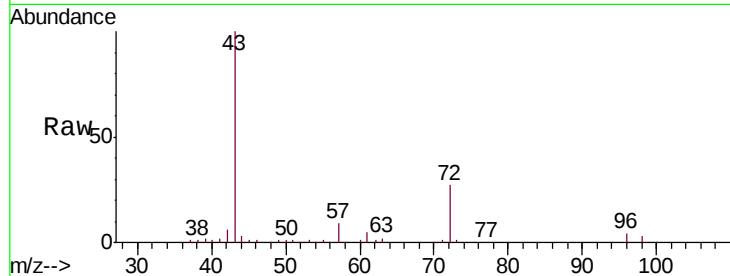
BFB67

Tgt Ion: 43 Resp: 149696

Ion Ratio Lower Upper

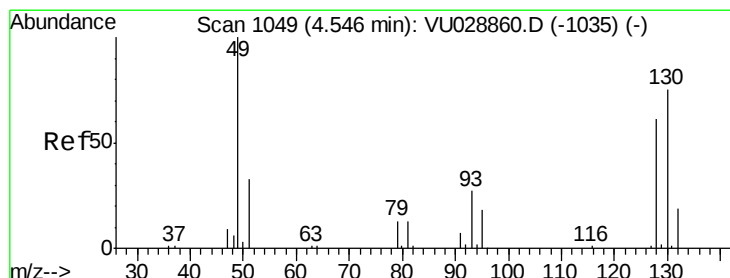
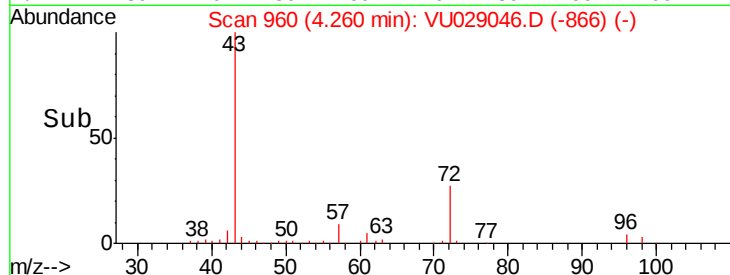
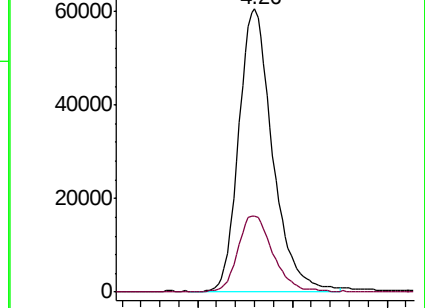
43 100

72 28.3 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VU028860.D (-943) (-)

Ion 72.00 (71.70 to 72.70): VU028860.D (-943) (-)



#23

Bromochloromethane

Concen: 47.793 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Tgt Ion: 128 Resp: 38178

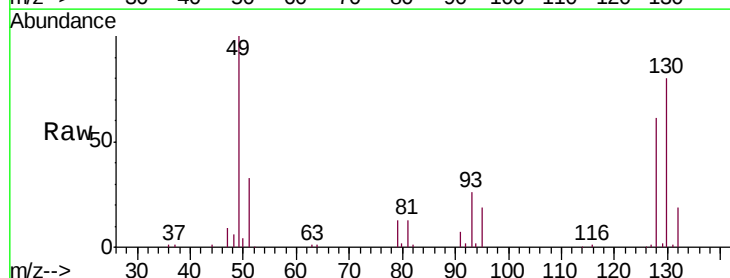
Ion Ratio Lower Upper

128 100

49 163.6 123.0 228.4

130 130.3 86.5 160.7

51 53.4 44.1 66.1

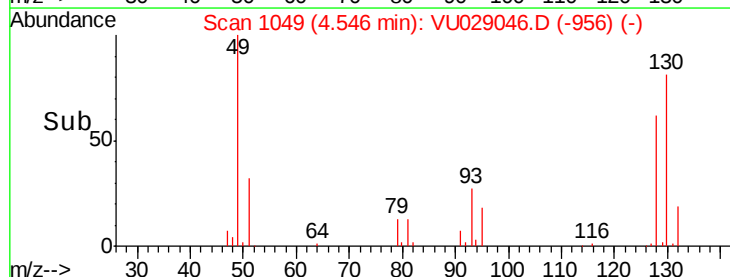
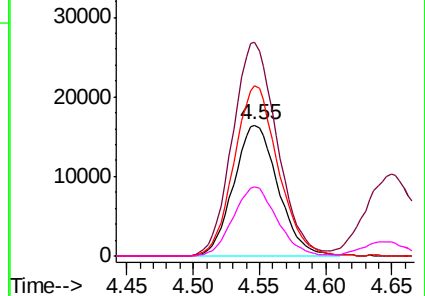


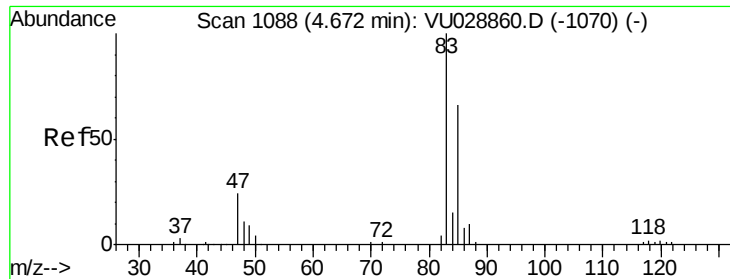
Abundance Ion 128.00 (127.70 to 128.70): VU028860.D (-1035) (-)

Ion 49.00 (48.70 to 49.70): VU028860.D (-1035) (-)

Ion 130.00 (129.70 to 130.70): VU028860.D (-1035) (-)

Ion 51.00 (50.70 to 51.70): VU028860.D (-1035) (-)

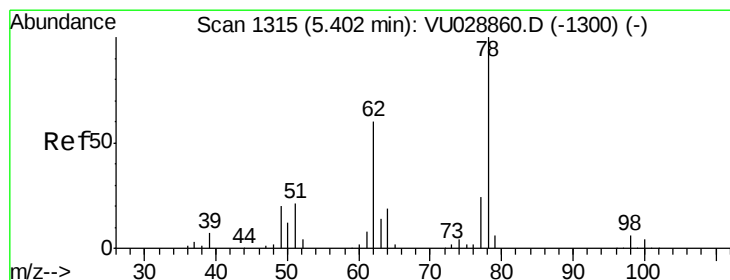
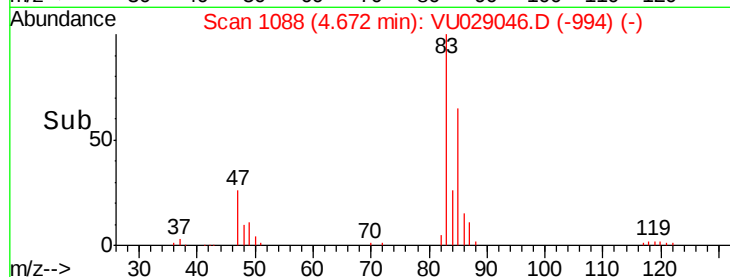
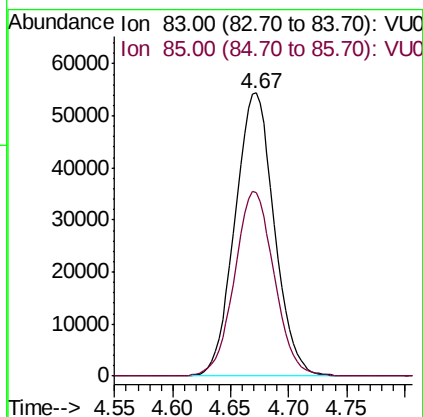
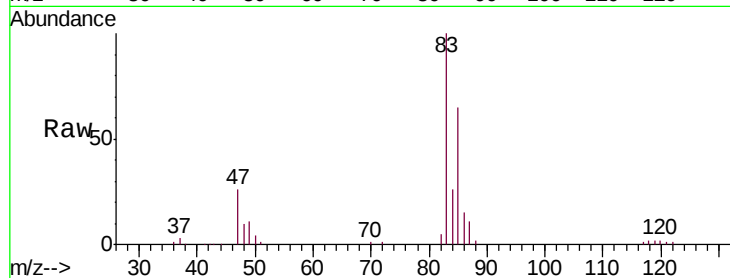




#25
Chloroform
Concen: 46.946 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

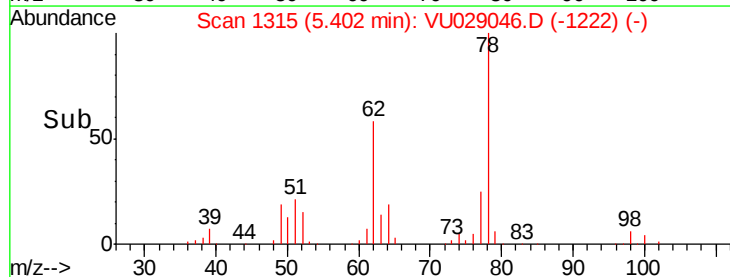
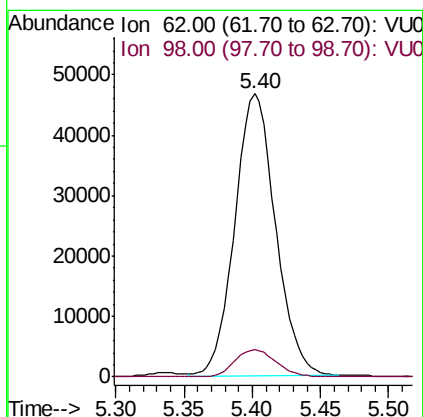
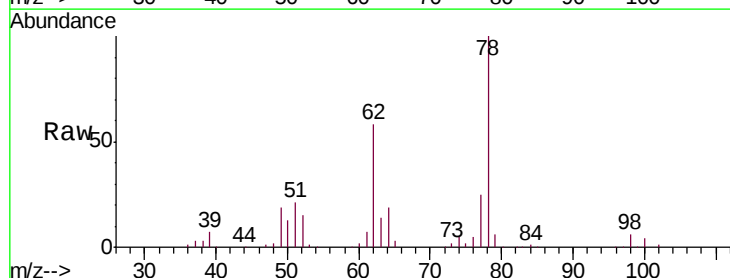
Instrument :
MSVOA_U
ClientSampleId :
BFB67

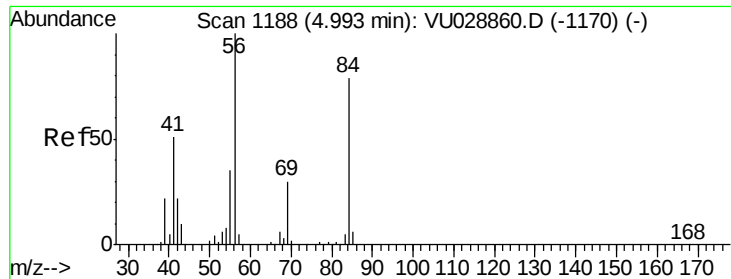
Tgt Ion: 83 Resp: 128487
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 47.599 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Tgt Ion: 62 Resp: 96818
Ion Ratio Lower Upper
62 100
98 9.5 7.5 11.3

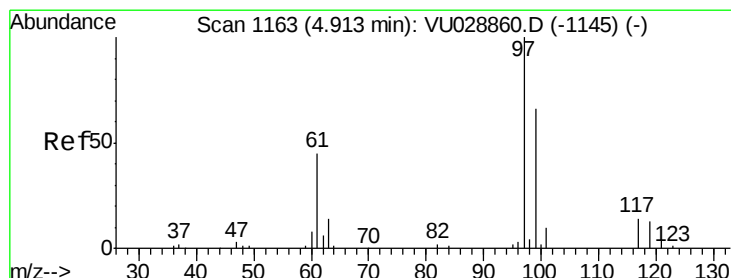
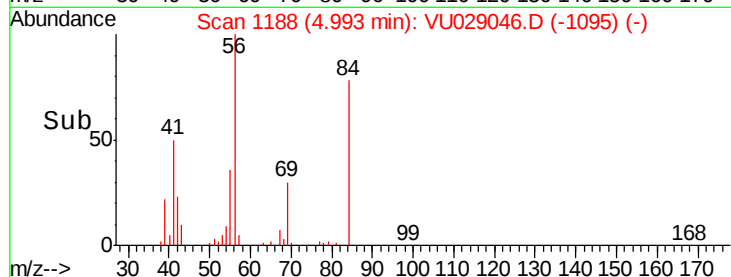
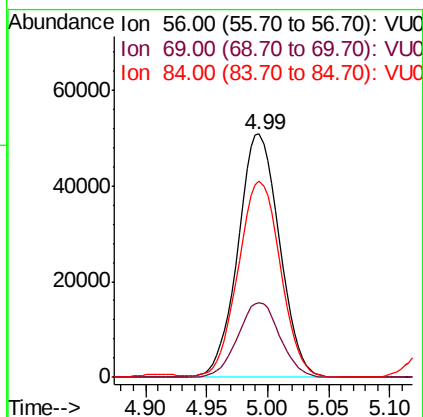
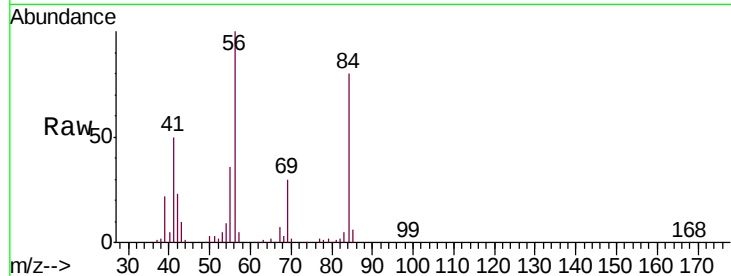




#29
Cyclohexane
Concen: 43.743 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

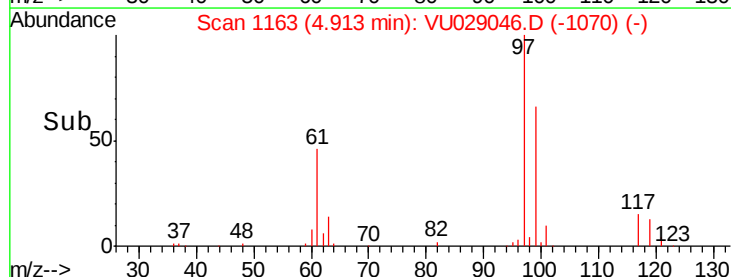
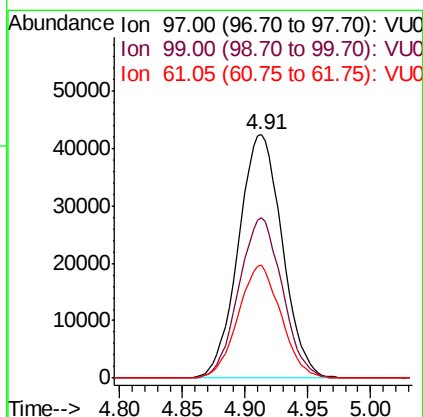
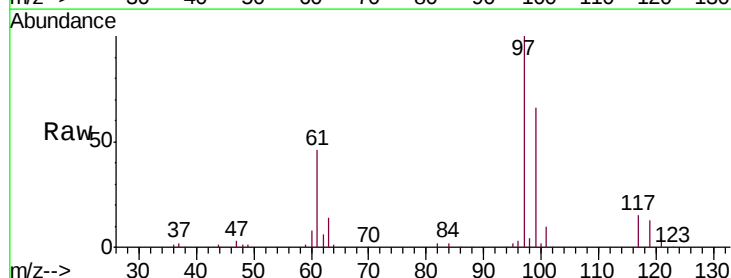
Instrument :
MSVOA_U
ClientSampleId :
BFB67

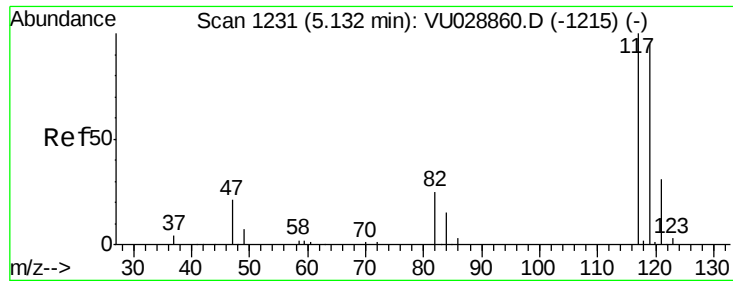
Tgt Ion: 56 Resp: 119758
Ion Ratio Lower Upper
56 100
69 31.0 23.8 35.8
84 82.3 63.8 95.8



#30
1,1,1-Trichloroethane
Concen: 47.343 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Tgt Ion: 97 Resp: 103074
Ion Ratio Lower Upper
97 100
99 65.2 51.2 76.8
61 45.5 36.1 54.1





#31

Carbon tetrachloride

Concen: 48.988 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

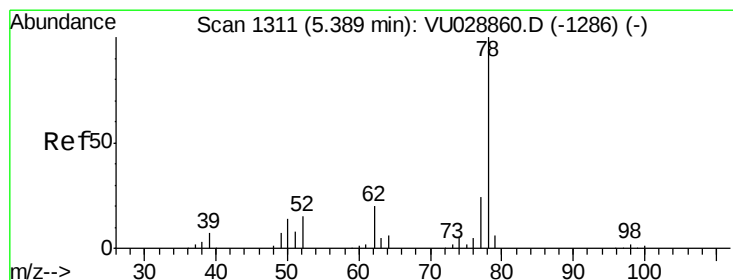
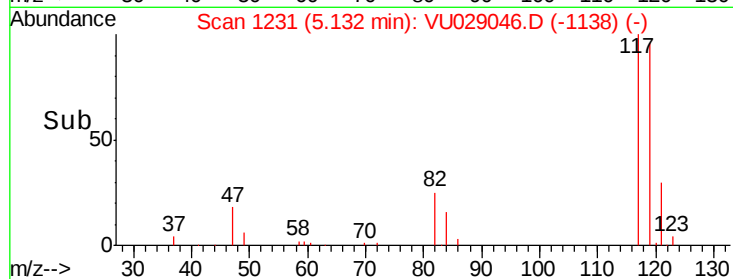
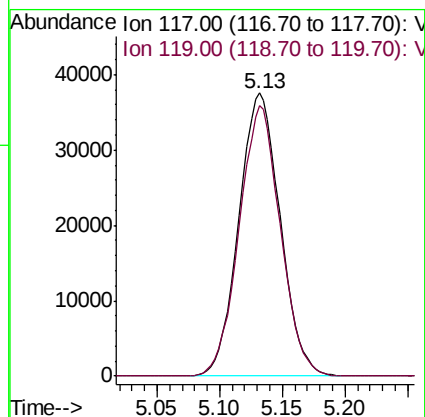
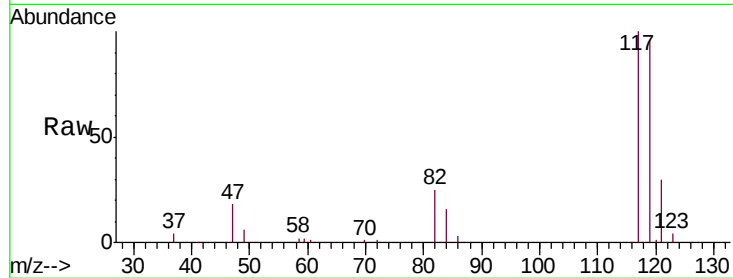
BFB67

Tgt Ion:117 Resp: 86008

Ion Ratio Lower Upper

117 100

119 95.2 77.0 115.6



#33

Benzene

Concen: 47.167 ug/L

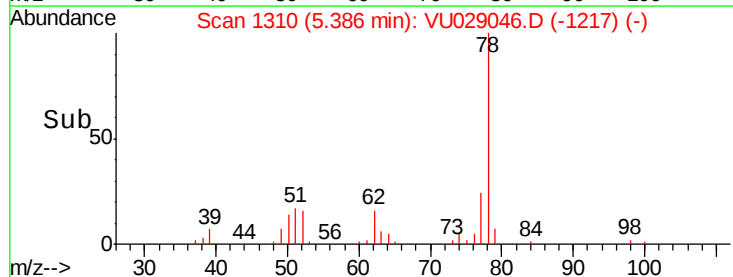
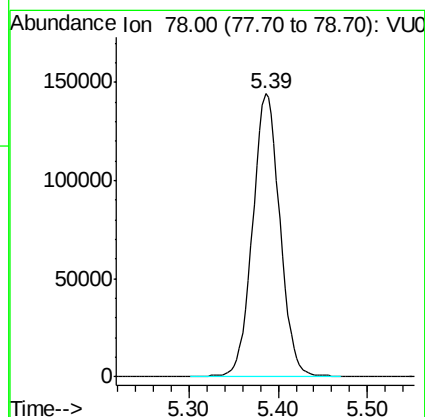
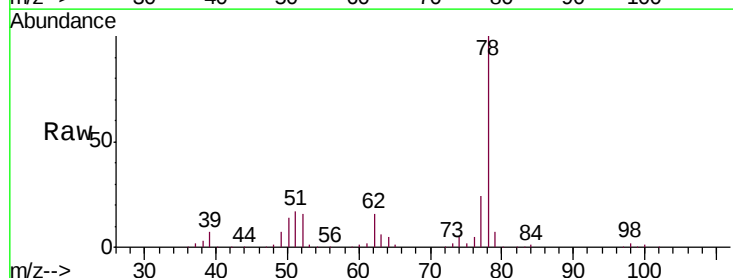
RT: 5.39 min Scan# 1310

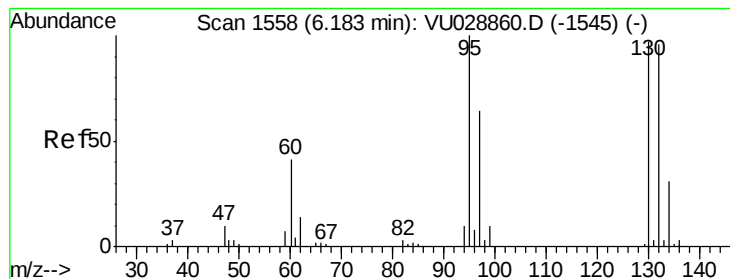
Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Tgt Ion: 78 Resp: 308881





#34

Trichloroethene

Concen: 46.969 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

BFB67

Tgt Ion: 95 Resp: 74258

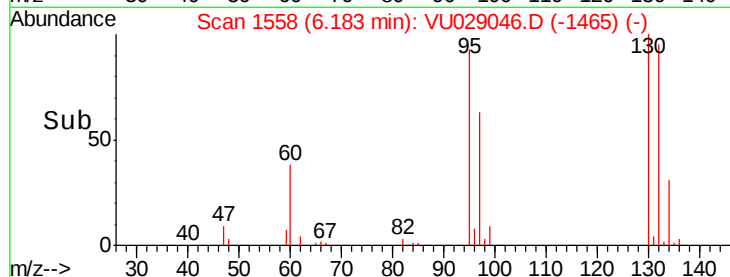
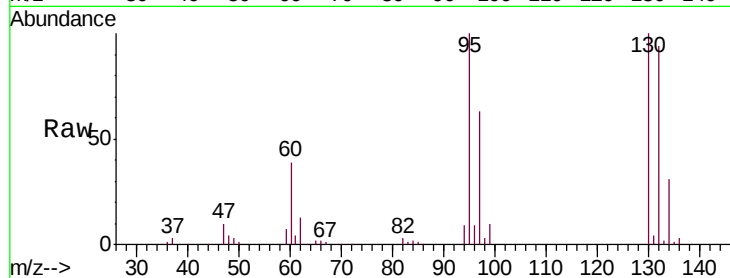
Ion Ratio Lower Upper

95 100

97 62.6 43.3 80.3

132 94.4 64.2 119.2

130 99.5 67.1 124.7

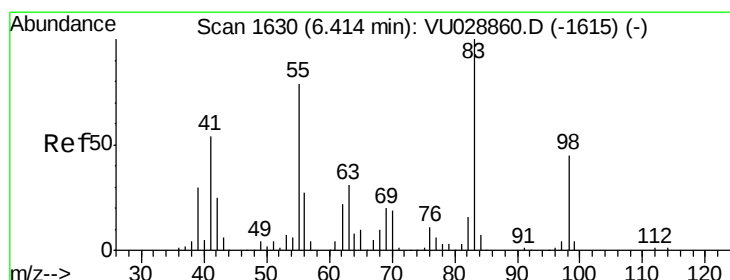
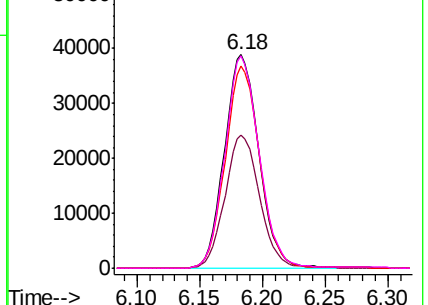


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 45.992 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

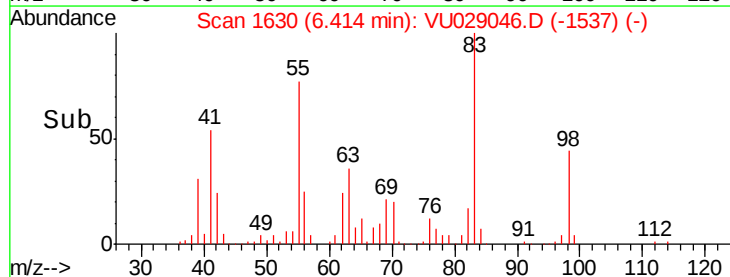
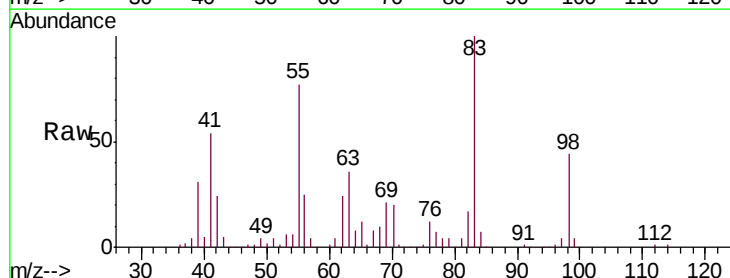
Tgt Ion: 83 Resp: 121108

Ion Ratio Lower Upper

83 100

55 78.6 63.7 95.5

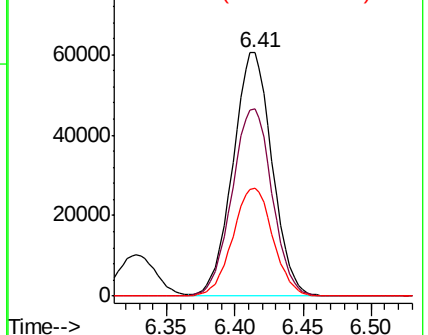
98 45.2 35.6 53.4

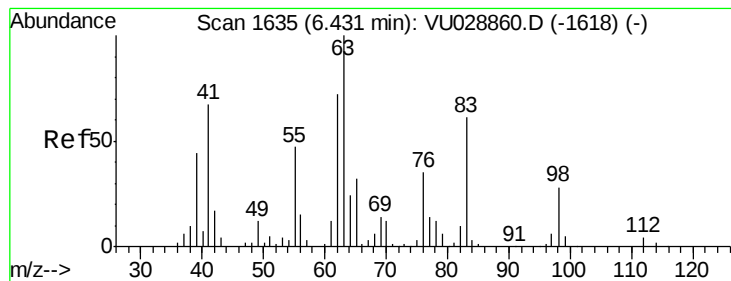


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 47.542 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

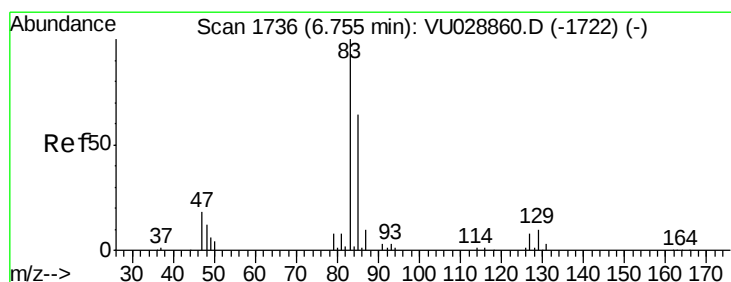
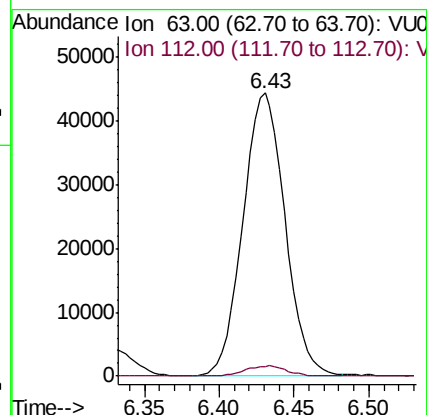
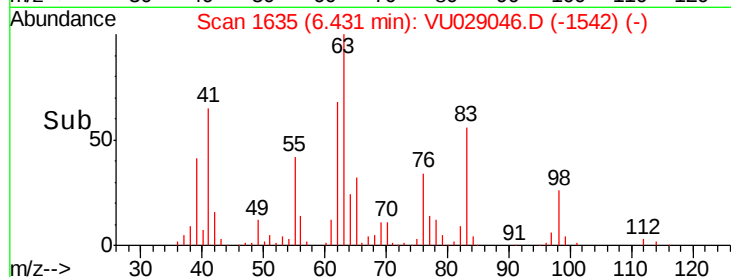
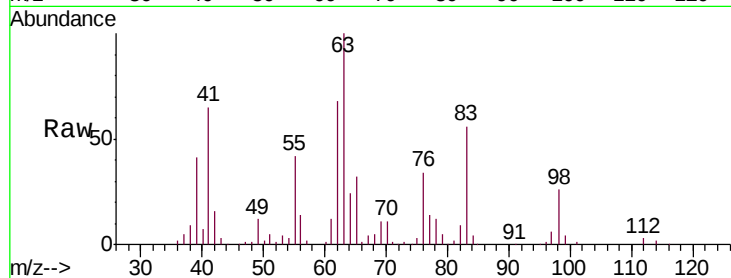
BFB67

Tgt Ion: 63 Resp: 87031

Ion Ratio Lower Upper

63 100

112 3.6 2.7 4.1



#38

Bromodichloromethane

Concen: 48.637 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

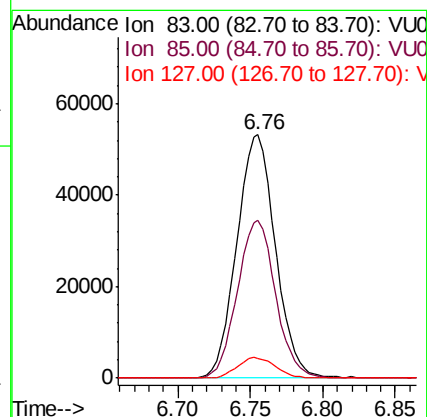
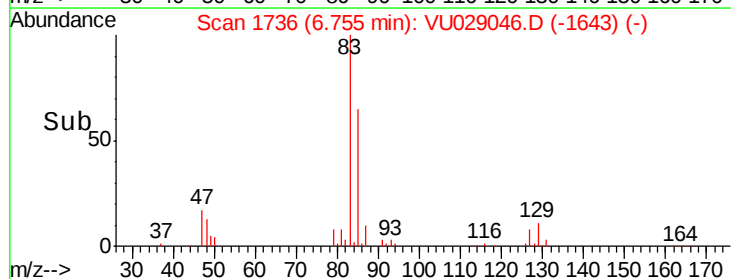
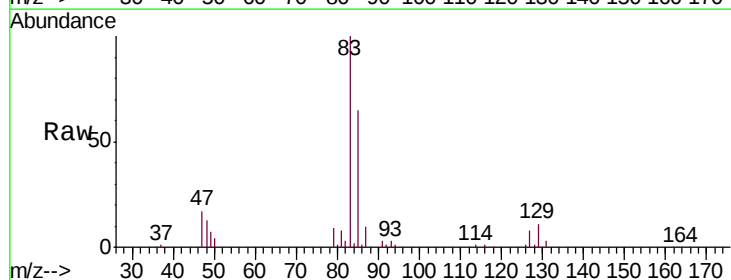
Tgt Ion: 83 Resp: 98597

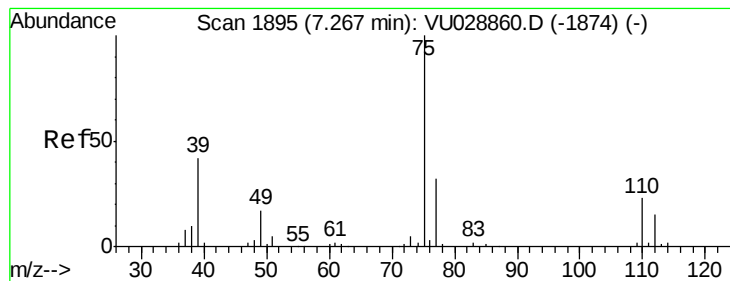
Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

127 8.2 6.2 9.2



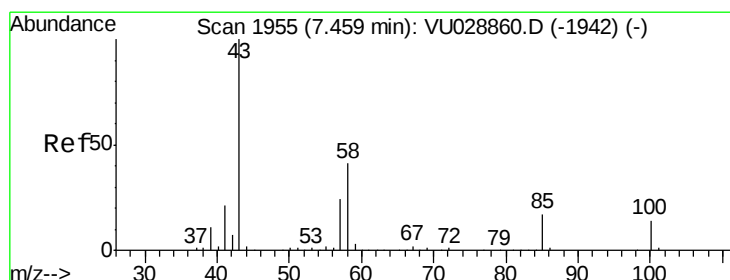
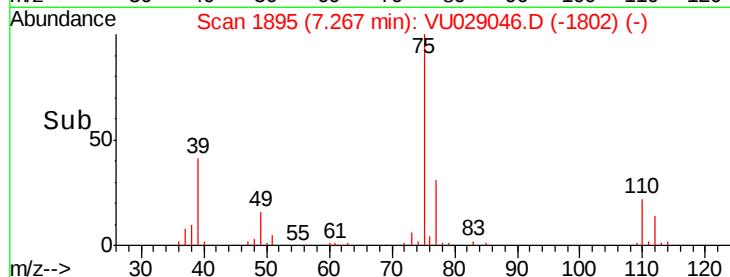
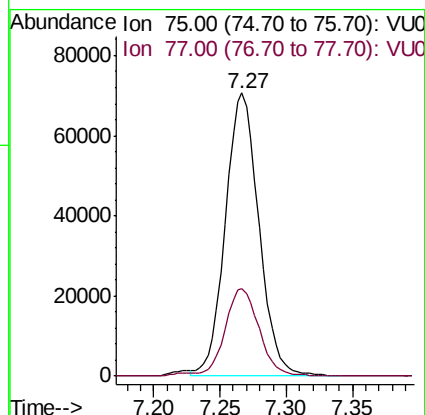
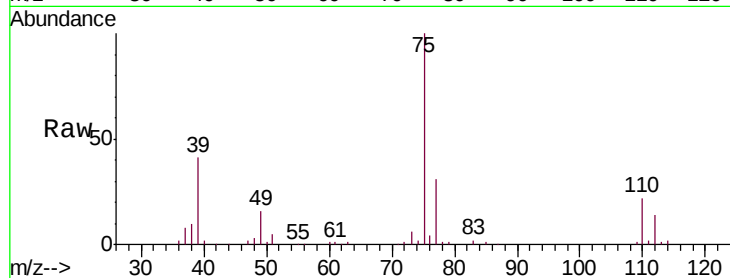


#39

cis-1,3-Dichloropropene
Concen: 47.332 ug/L
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Instrument :
MSVOA_U
ClientSampleId :
BFB67

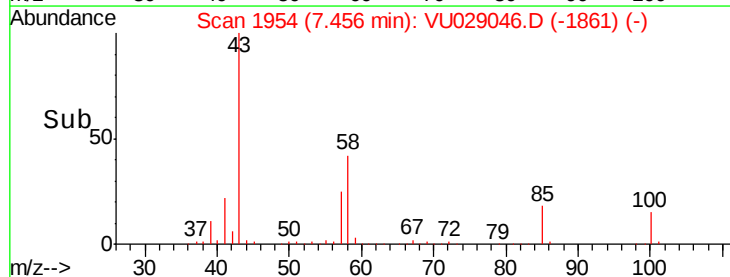
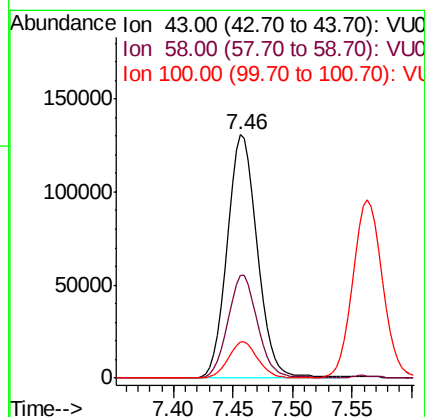
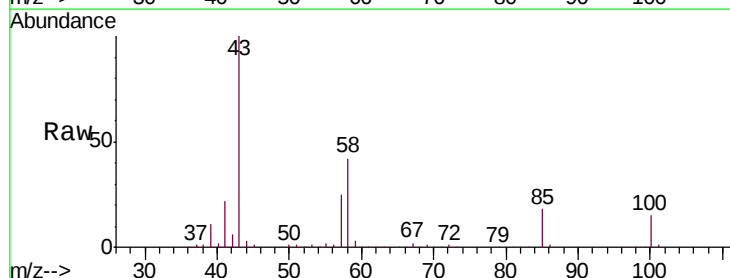
Tgt Ion: 75 Resp: 123528
Ion Ratio Lower Upper
75 100
77 31.0 21.8 40.6

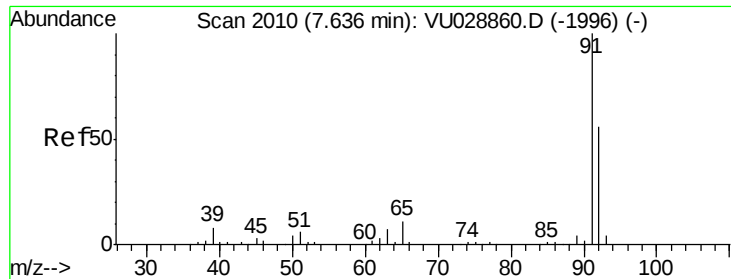


#40

4-Methyl-2-pentanone
Concen: 93.556 ug/L
RT: 7.46 min Scan# 1954
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Tgt Ion: 43 Resp: 230196
Ion Ratio Lower Upper
43 100
58 41.8 33.1 49.7
100 14.5 11.5 17.3





#42

Toluene

Concen: 47.933 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

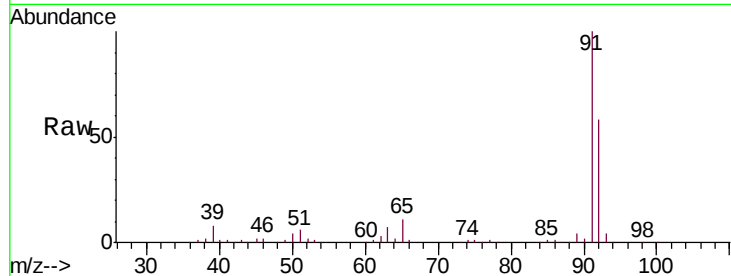
BFB67

Tgt Ion: 91 Resp: 318199

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU028860.D (-1996) (-)

Ion 92.00 (91.70 to 92.70): VU028860.D (-1996) (-)

7.63

200000

150000

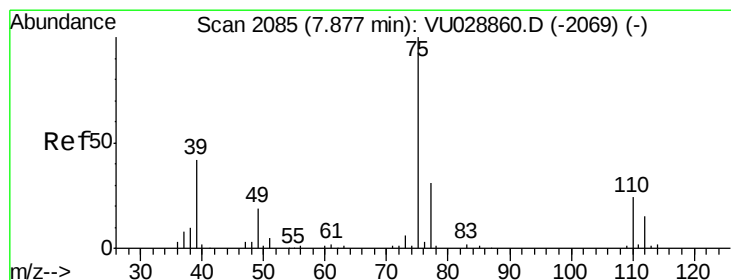
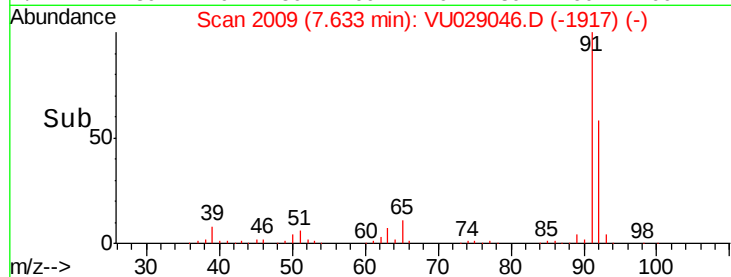
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.282 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029046.D

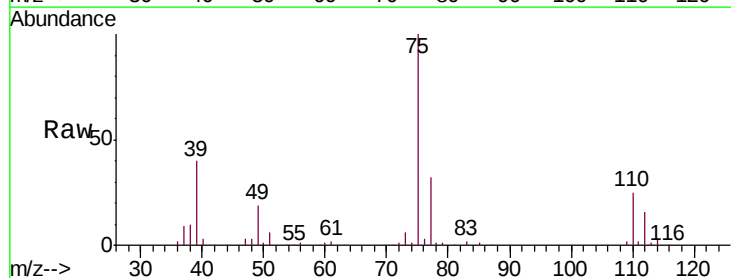
Acq: 07 Jan 2019 09:32

Tgt Ion: 75 Resp: 112323

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028860.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU028860.D (-2069) (-)

7.88

60000

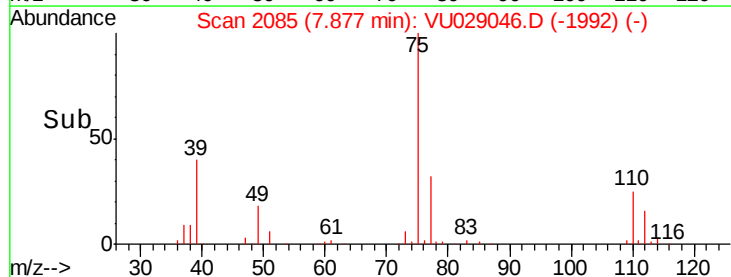
40000

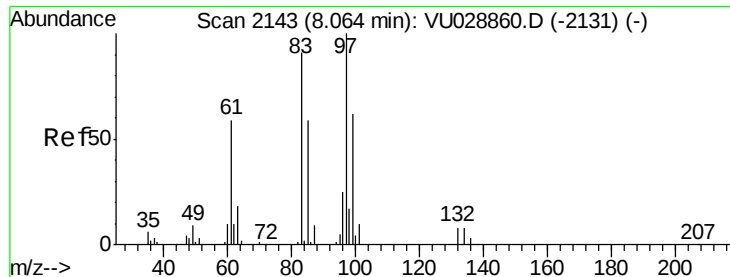
20000

0

7.80 7.85 7.90 7.95 8.00

Time-->

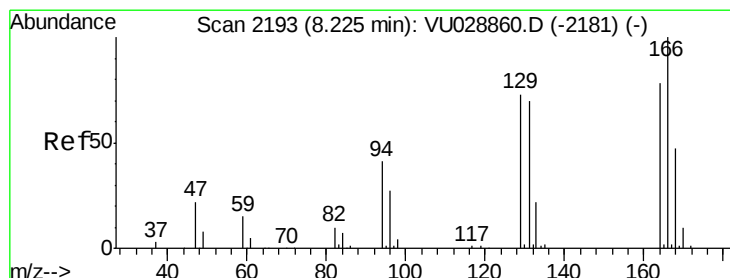
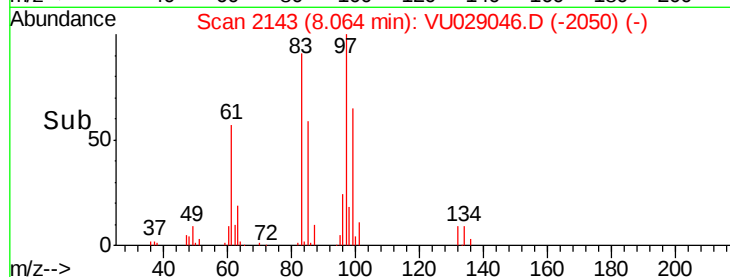
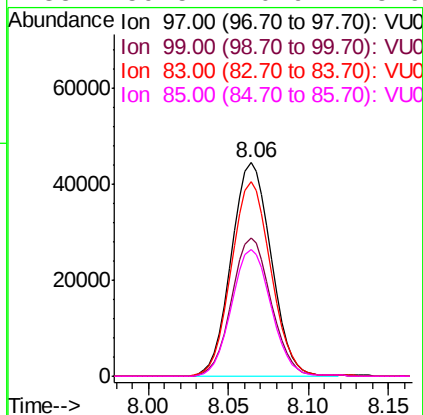
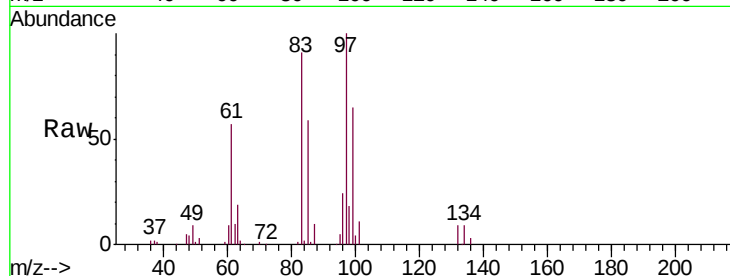




#45
 1,1,2-Trichloroethane
 Concen: 48.402 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

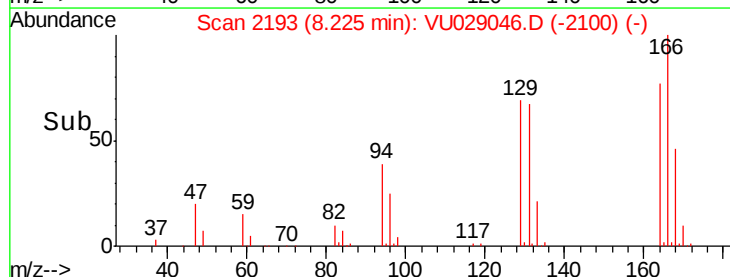
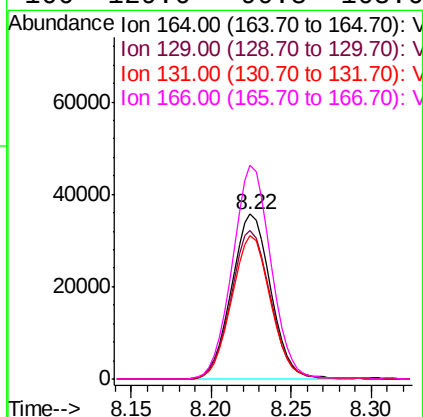
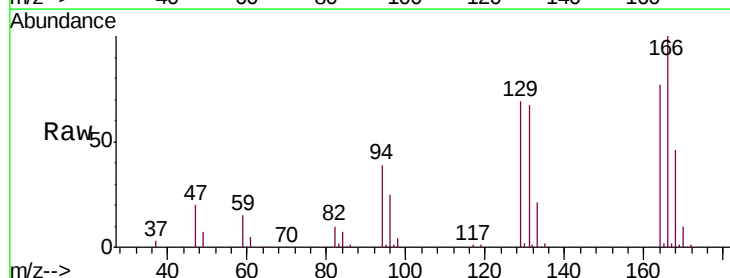
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB67

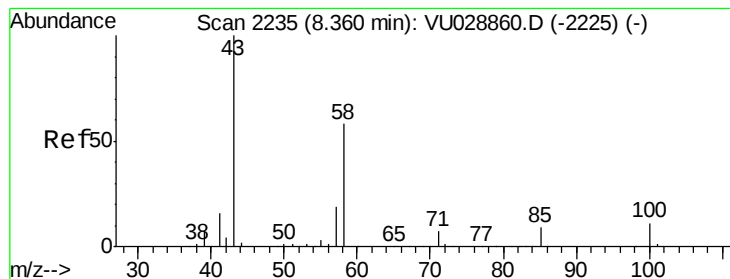
Tgt Ion:	97	Resp:	75758
Ion	Ratio	Lower	Upper
97	100		
99	65.0	44.2	82.2
83	91.0	64.5	119.9
85	59.5	40.9	75.9



#46
 Tetrachloroethene
 Concen: 48.912 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

Tgt Ion:	164	Resp:	59558
Ion	Ratio	Lower	Upper
164	100		
129	90.1	66.8	124.0
131	87.3	64.2	119.2
166	129.6	90.8	168.6





#48

2-Hexanone

Concen: 96.203 ug/L

RT: 8.36 min Scan# 2235

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

BFB67

Tgt Ion: 43 Resp: 194281

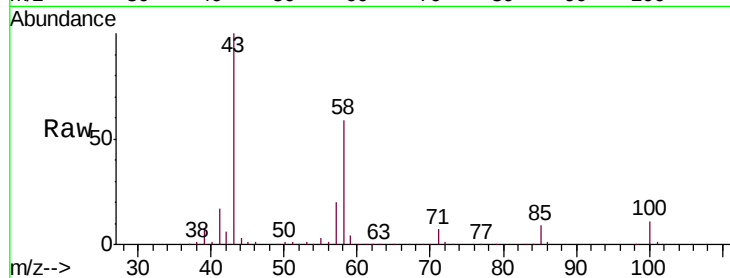
Ion Ratio Lower Upper

43 100

58 59.0 45.9 68.9

57 19.7 15.0 22.4

100 11.4 8.7 13.1

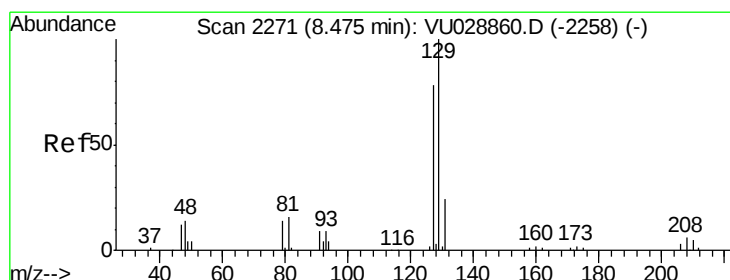
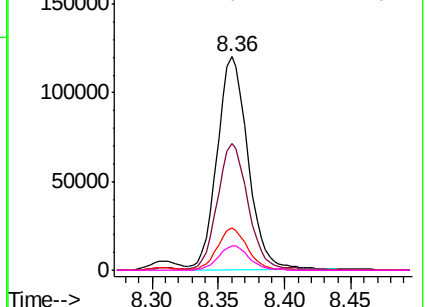
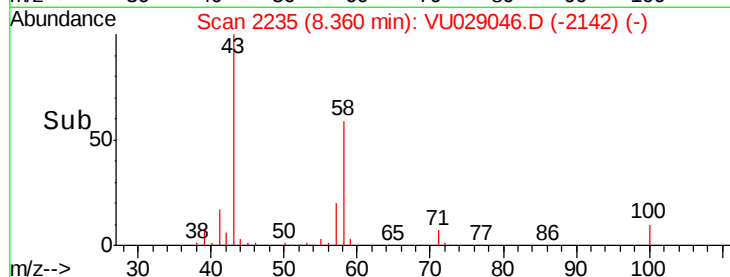


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 50.375 ug/L

RT: 8.48 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VU029046.D

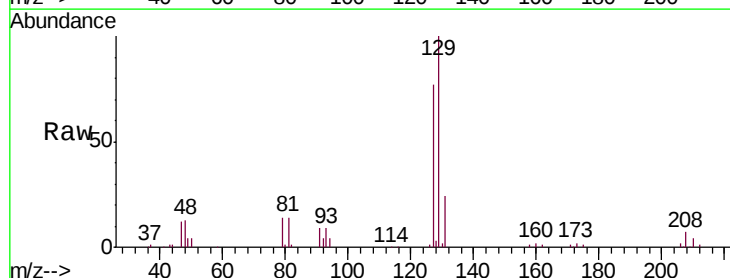
Acq: 07 Jan 2019 09:32

Tgt Ion: 129 Resp: 78536

Ion Ratio Lower Upper

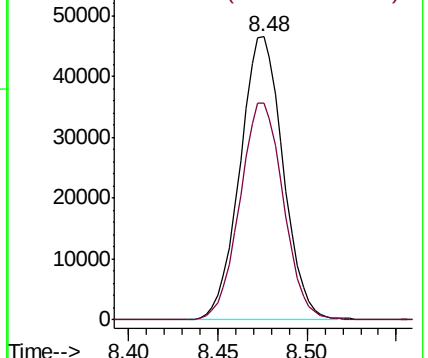
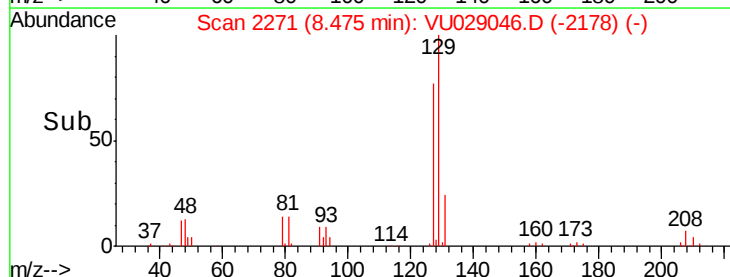
129 100

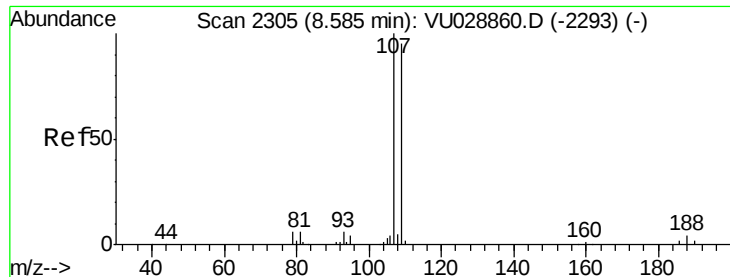
127 76.7 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

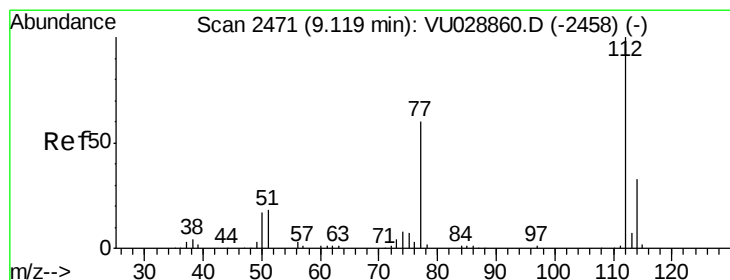
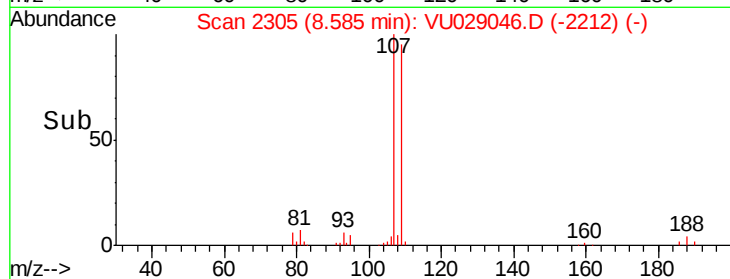
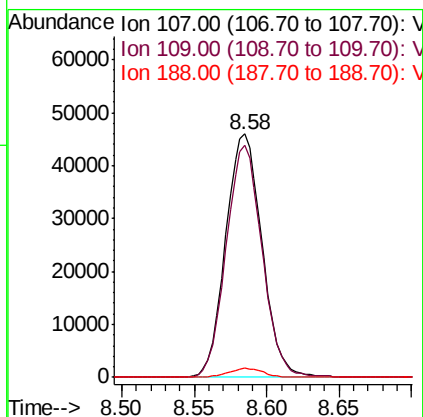
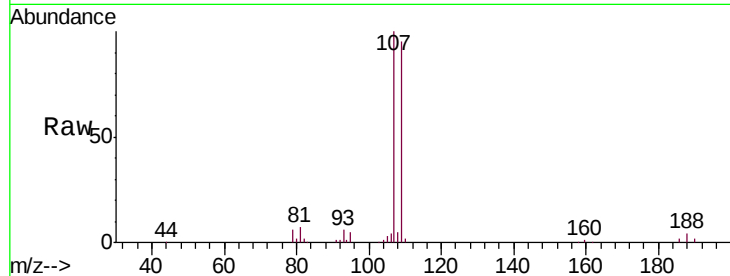




#50
1,2-Dibromoethane
Concen: 49.220 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

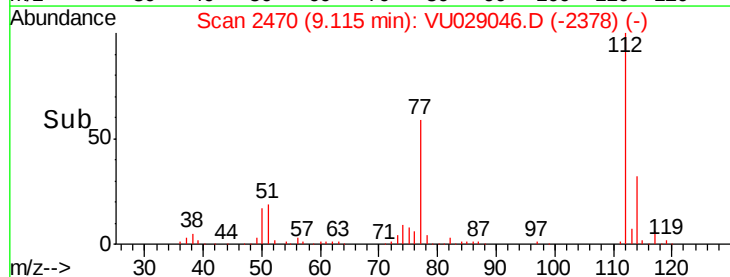
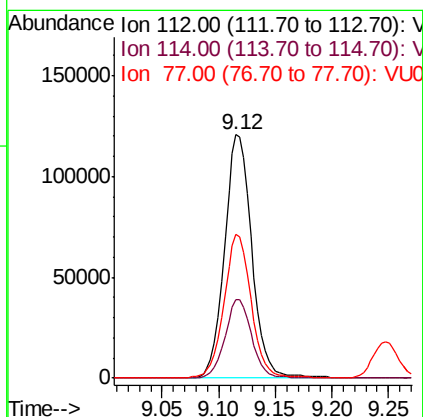
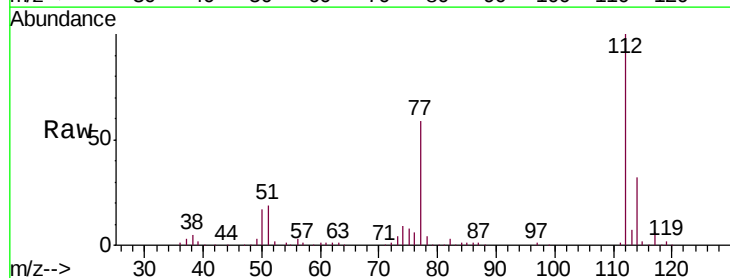
Instrument :
MSVOA_U
ClientSampleId :
BFB67

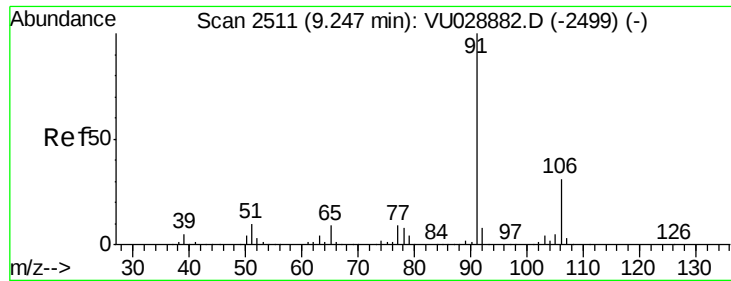
Tgt Ion:107 Resp: 80153
Ion Ratio Lower Upper
107 100
109 95.3 66.0 122.6
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 48.405 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Tgt Ion:112 Resp: 202515
Ion Ratio Lower Upper
112 100
114 32.4 22.2 41.2
77 58.9 47.8 71.8





#52

Ethylbenzene

Concen: 48.120 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

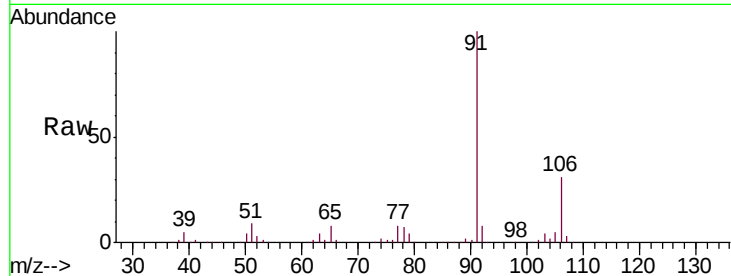
BFB67

Tgt Ion: 91 Resp: 343236

Ion Ratio Lower Upper

91 100

106 30.5 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU028882.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU028882.D (-2499) (-)

9.25

200000

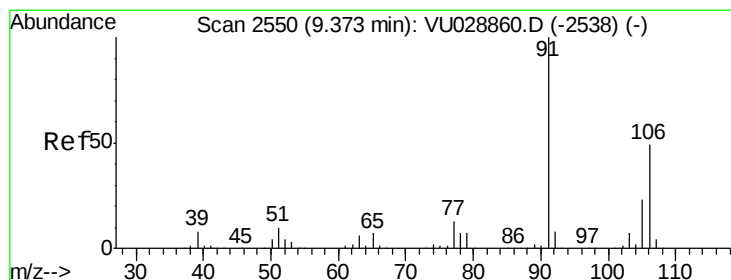
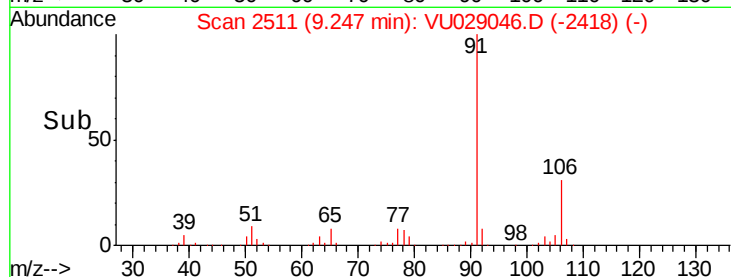
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 48.902 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029046.D

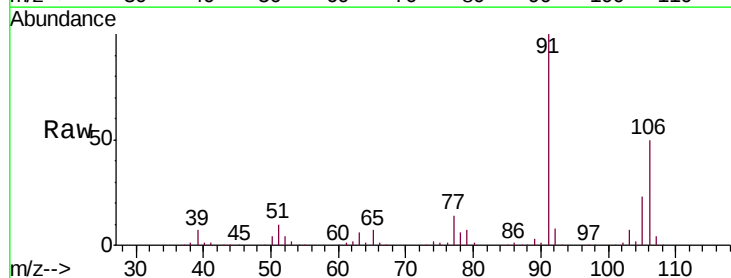
Acq: 07 Jan 2019 09:32

Tgt Ion: 106 Resp: 128988

Ion Ratio Lower Upper

106 100

91 201.3 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU028860.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU028860.D (-2538) (-)

9.37

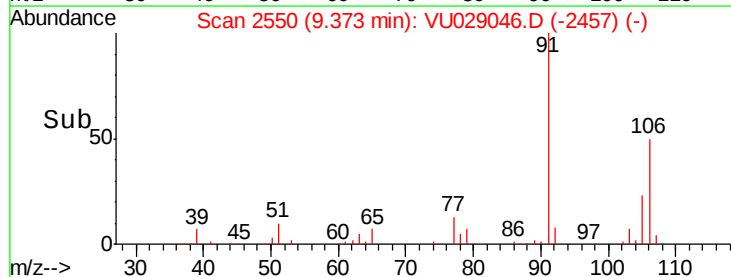
150000

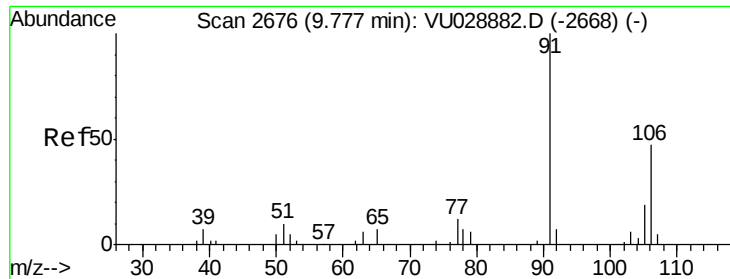
100000

50000

0

Time-->

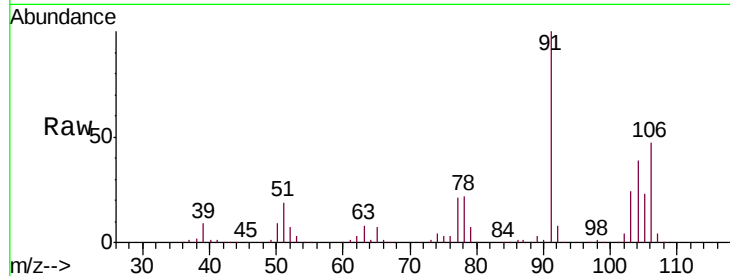




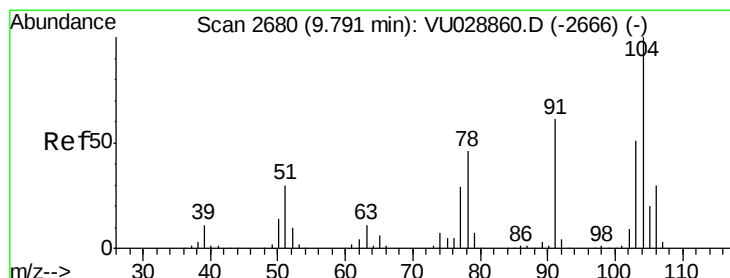
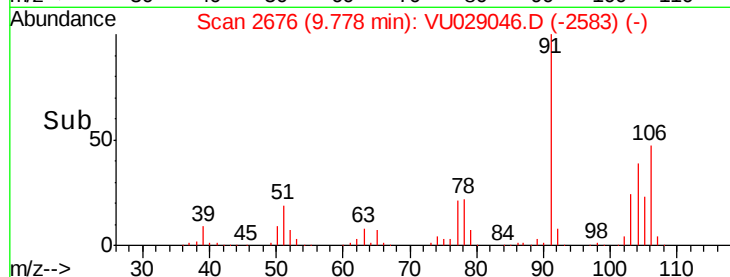
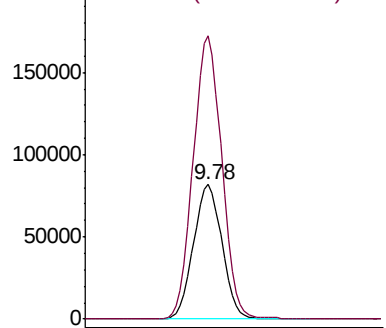
#54
o-xylene
Concen: 48.937 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Instrument :
MSVOA_U
ClientSampleId :
BFB67

Tgt Ion:106 Resp: 129371
Ion Ratio Lower Upper
106 100
91 210.7 150.4 279.4

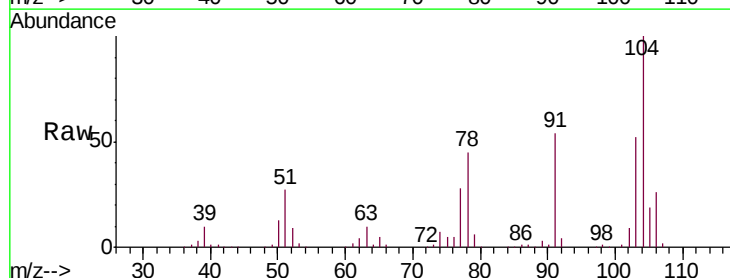


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

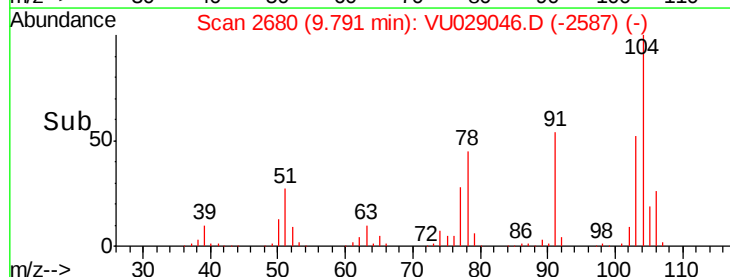
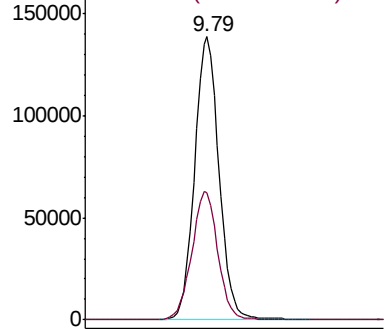


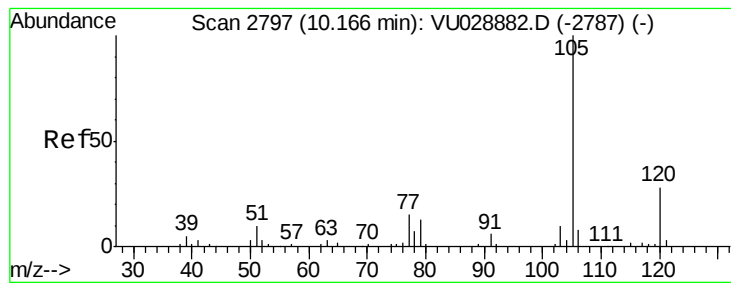
#55
Styrene
Concen: 49.534 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029046.D
Acq: 07 Jan 2019 09:32

Tgt Ion:104 Resp: 221783
Ion Ratio Lower Upper
104 100
78 44.8 31.3 58.1



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





#56

Isopropylbenzene

Concen: 48.925 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampled :

BFB67

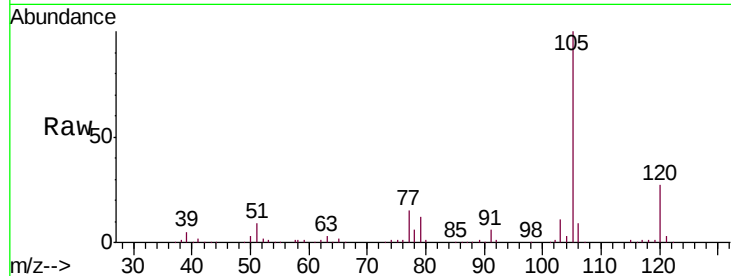
Tgt Ion:105 Resp: 328110

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

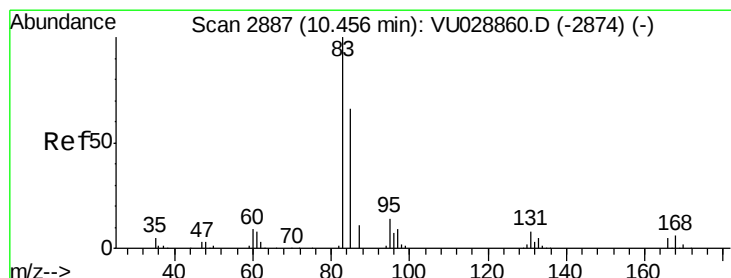
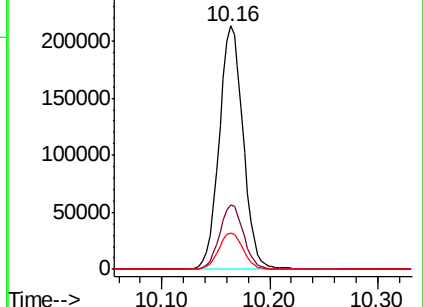
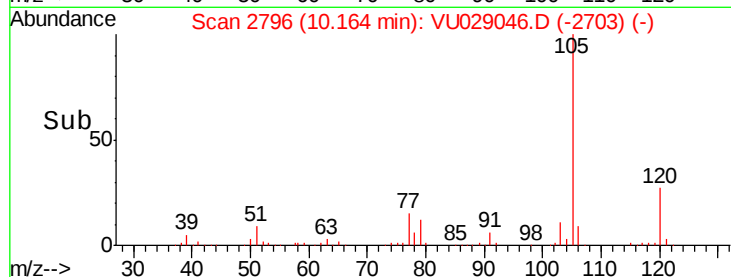
77 15.2 12.3 18.5



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: 47.909 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

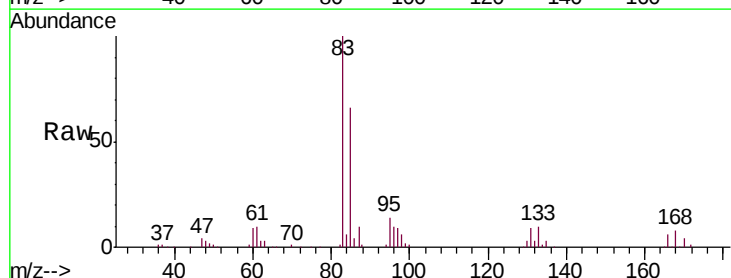
Tgt Ion: 83 Resp: 136224

Ion Ratio Lower Upper

83 100

85 65.8 45.3 84.1

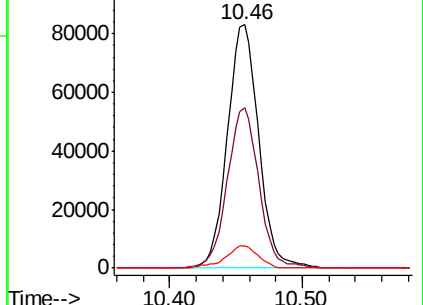
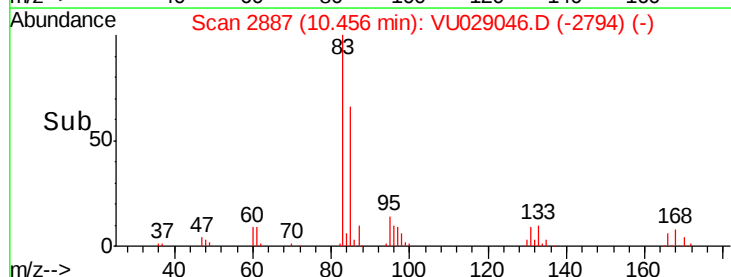
131 9.1 6.7 10.1

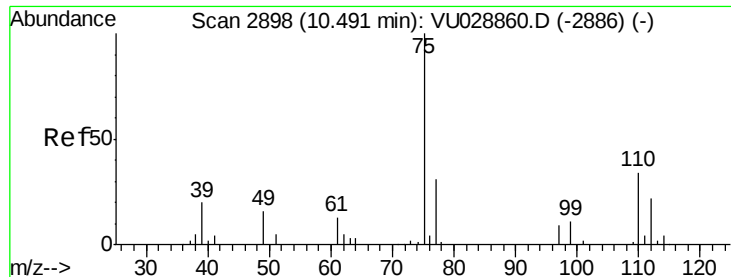


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.614 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

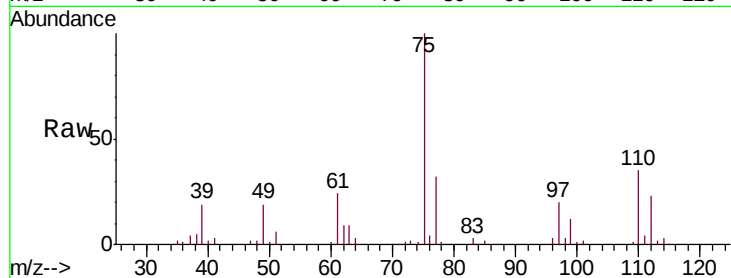
BFB67

Tgt Ion: 75 Resp: 104015

Ion Ratio Lower Upper

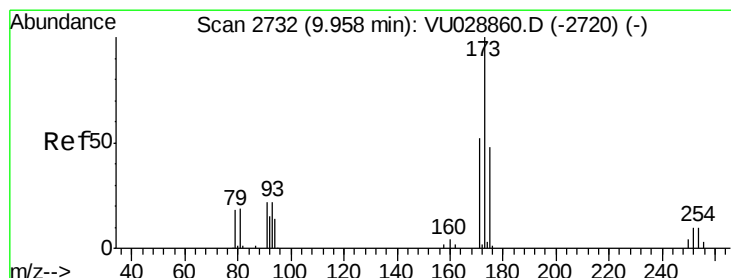
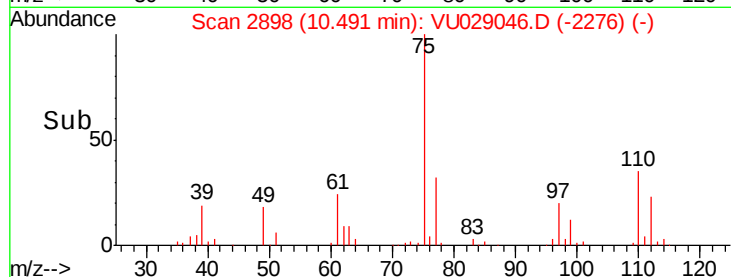
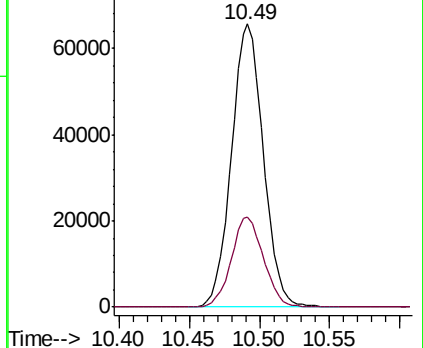
75 100

77 32.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU028860.D (-2886) (-)

Ion 77.00 (76.70 to 77.70): VU028860.D (-2886) (-)



#61

Bromoform

Concen: 51.081 ug/L

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

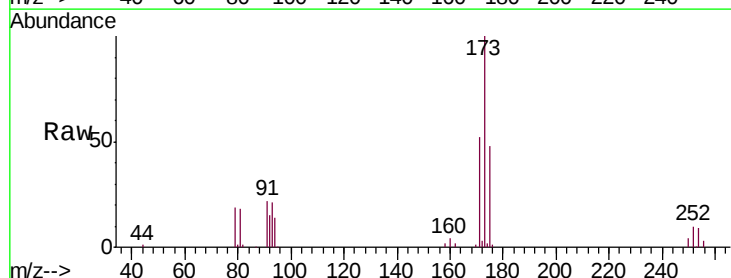
Tgt Ion: 173 Resp: 62098

Ion Ratio Lower Upper

173 100

175 47.1 38.9 58.3

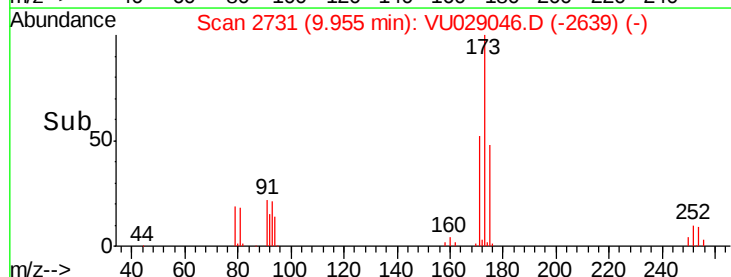
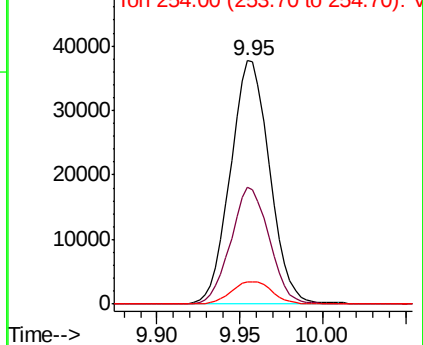
254 9.5 7.8 11.8

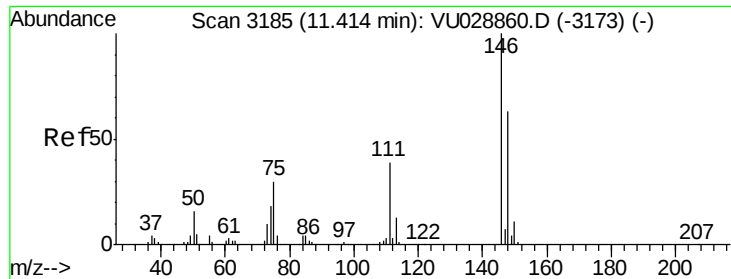


Abundance Ion 173.00 (172.70 to 173.70): VU028860.D (-2720) (-)

Ion 175.00 (174.70 to 175.70): VU028860.D (-2720) (-)

Ion 254.00 (253.70 to 254.70): VU028860.D (-2720) (-)

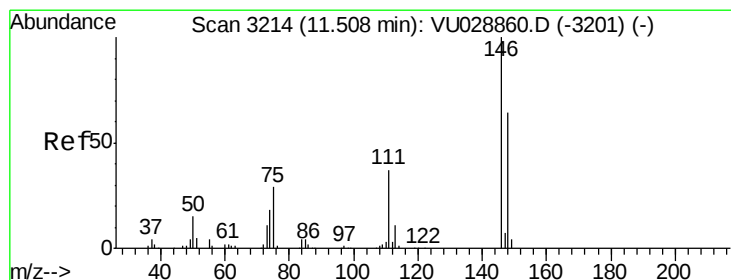
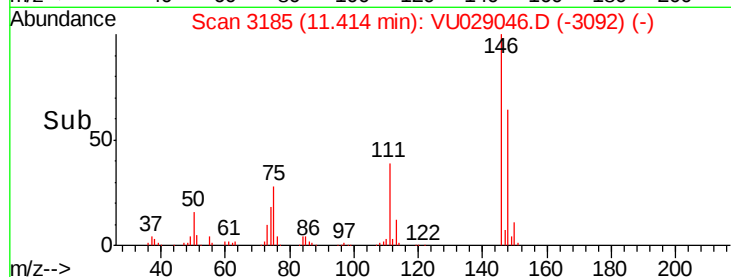
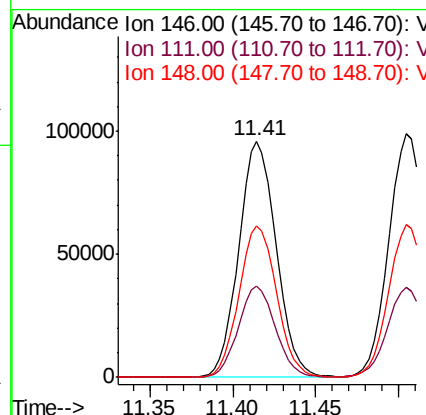
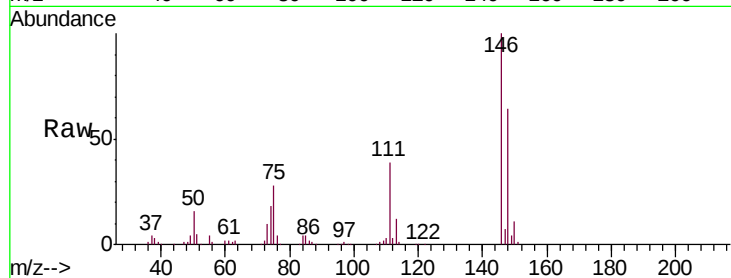




#62
 1,3-Dichlorobenzene
 Concen: 48.432 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

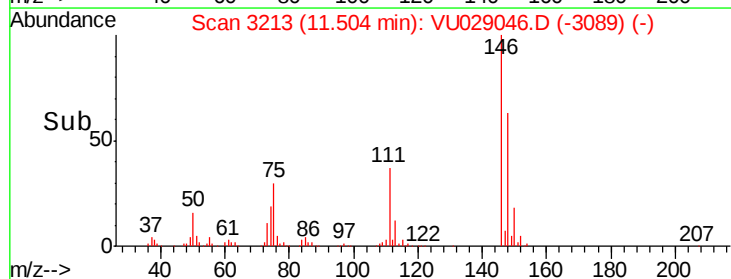
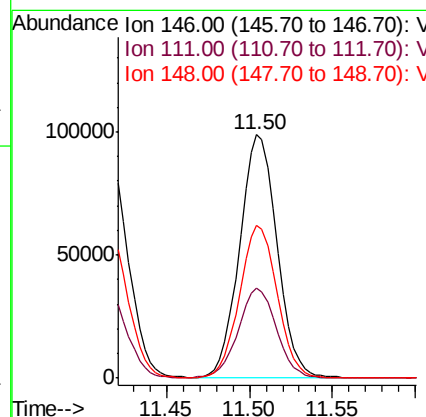
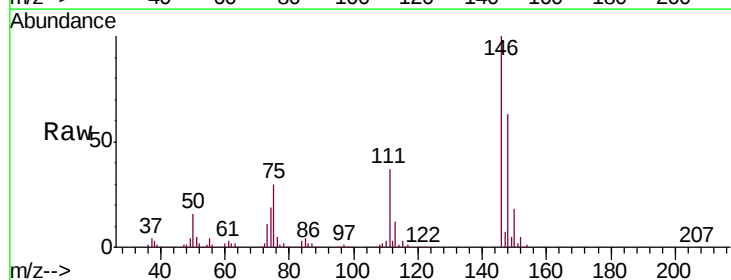
Instrument :
 MSVOA_U
 ClientSampled :
 BFB67

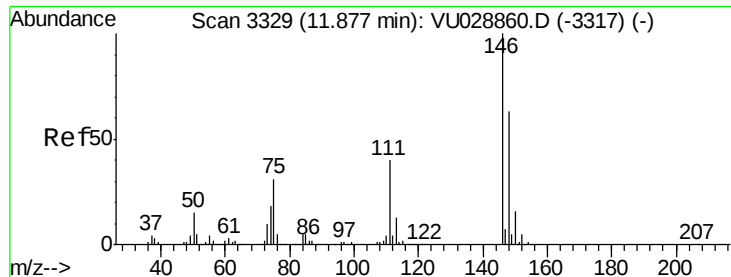
Tgt Ion:146 Resp: 150876
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.4 50.8
 148 64.4 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 48.015 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

Tgt Ion:146 Resp: 154107
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.5 49.1
 148 62.6 45.1 83.9

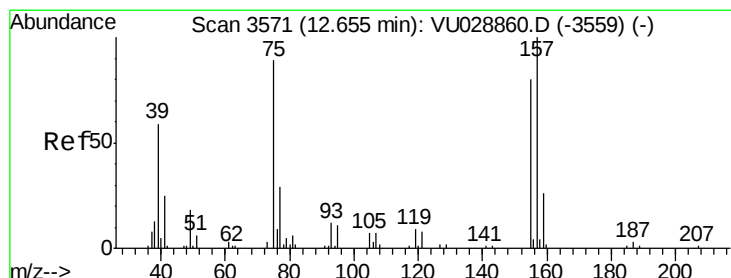
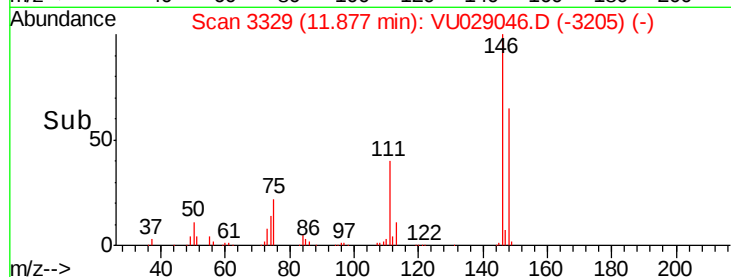
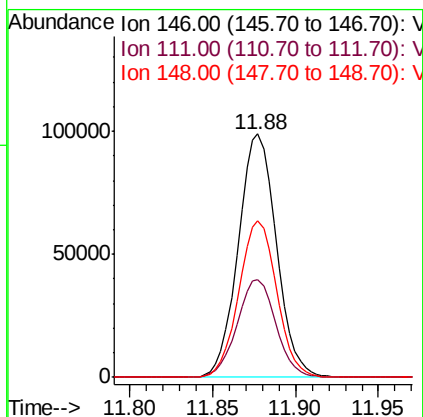
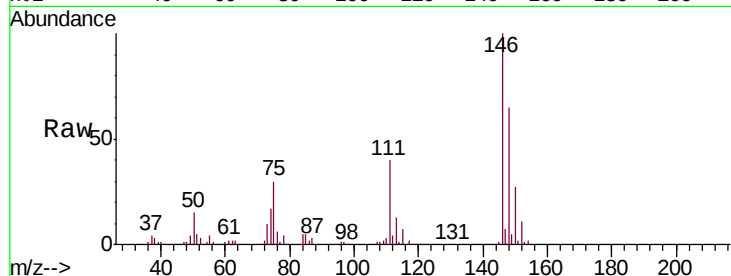




#65
 1,2-Dichlorobenzene
 Concen: 48.803 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

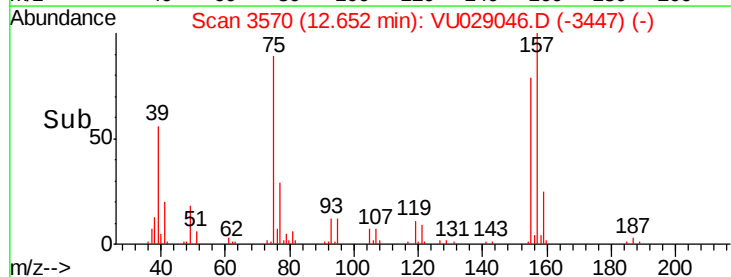
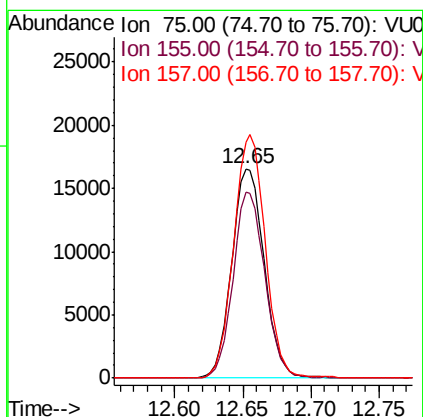
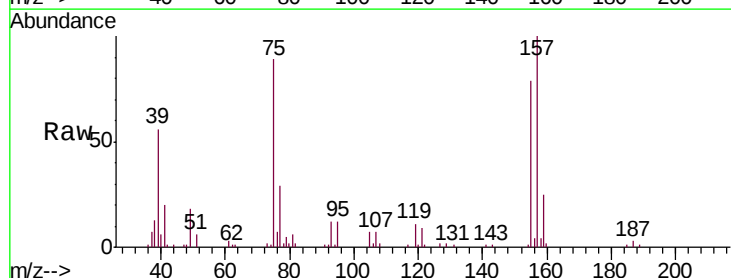
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB67

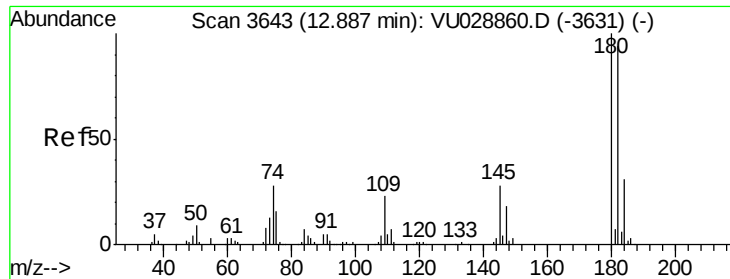
Tgt Ion: 146 Resp: 158596
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.1 48.1
 148 64.5 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.814 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

Tgt Ion: 75 Resp: 27363
 Ion Ratio Lower Upper
 75 100
 155 88.7 71.4 107.2
 157 112.7 89.6 134.4

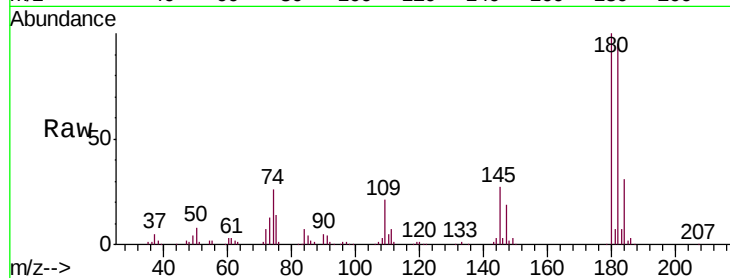




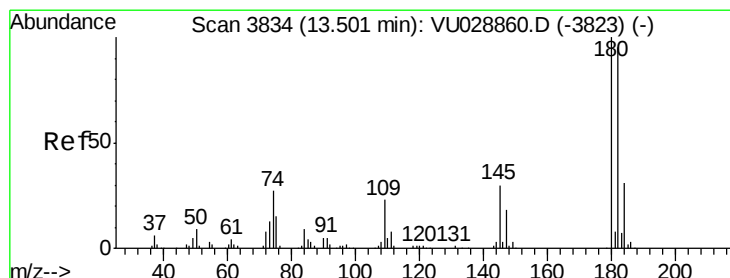
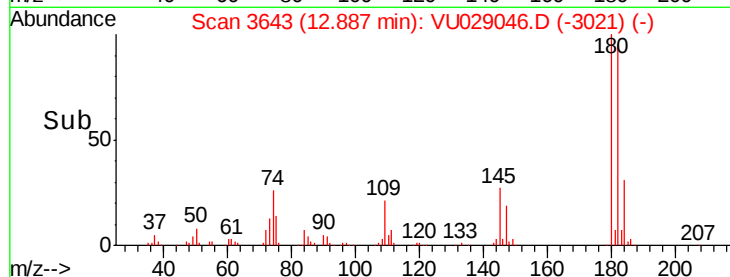
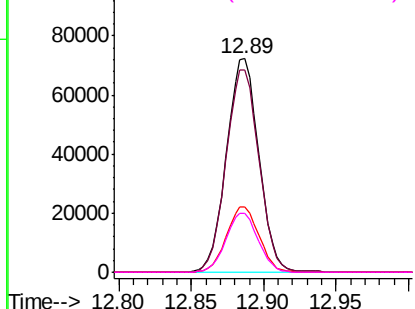
#67
 1,3,5-Trichlorobenzene
 Concen: 48.878 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

Instrument :
 MSVOA_U
 ClientSampled :
 BFB67

Tgt Ion:180 Resp: 112267
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.4 114.6
 184 30.6 24.6 36.8
 145 27.5 22.1 33.1

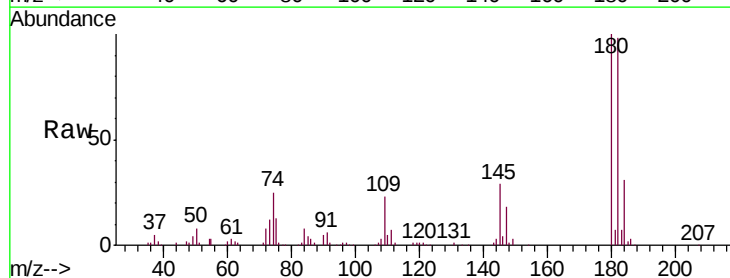


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

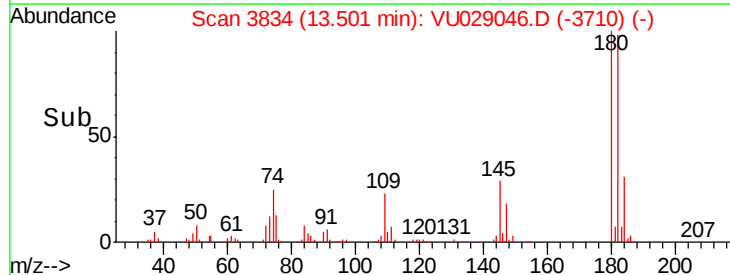
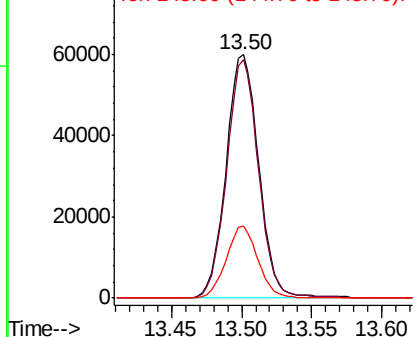


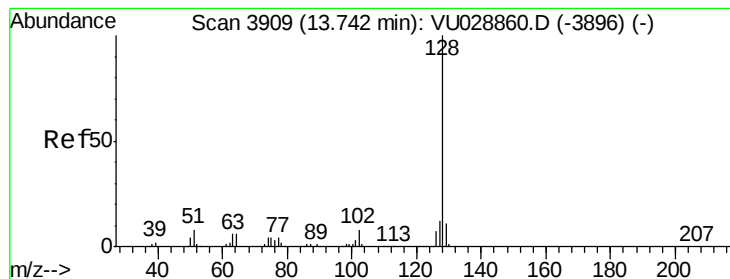
#68
 1,2,4-trichlorobenzene
 Concen: 50.565 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029046.D
 Acq: 07 Jan 2019 09:32

Tgt Ion:180 Resp: 97257
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.4 116.0
 145 28.7 23.5 35.3



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





#69

Naphthalene

Concen: 48.275 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

BFB67

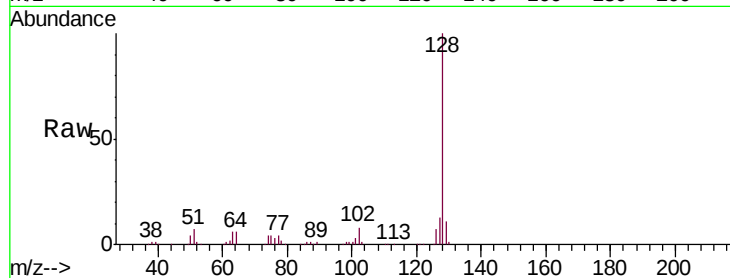
Tgt Ion:128 Resp: 322372

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

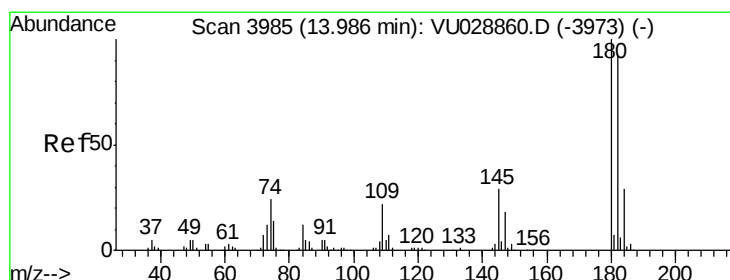
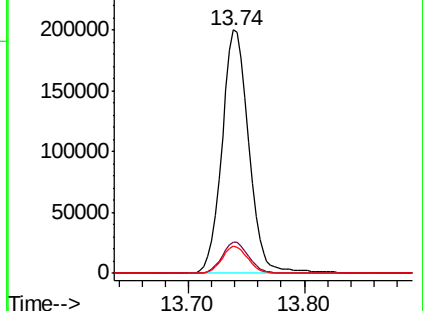
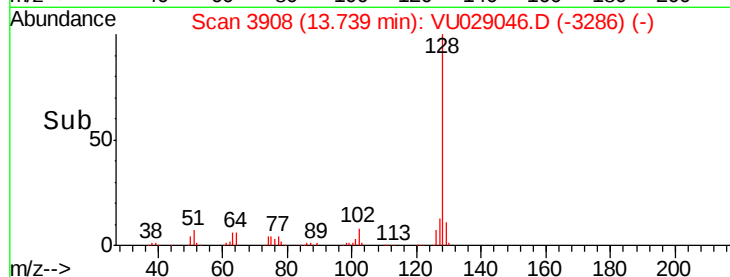
129 10.8 8.7 13.1



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: 48.887 ug/L

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU029046.D

Acq: 07 Jan 2019 09:32

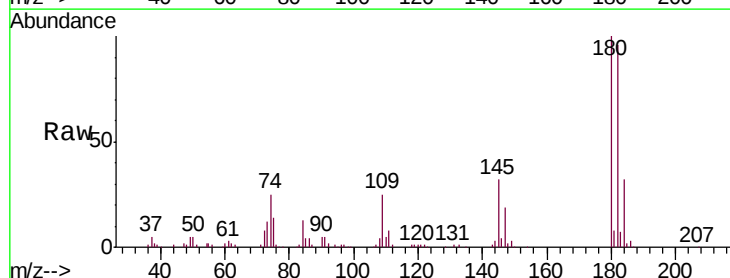
Tgt Ion:180 Resp: 101392

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.8

145 30.4 24.5 36.7



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

