

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120518\
 Data File : VU028468.D
 Acq On : 05 Dec 2018 09:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Dec 06 01:30:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	378661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	625213	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	585580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	288856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	291639	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	4.88	113	223538	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
50) Toluene-d8	7.56	98	879430	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	10.30	95	326671	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	242158	47.672	ug/l	99
3) Chloromethane	1.33	50	433065	43.984	ug/l	99
4) Vinyl Chloride	1.40	62	332756	48.303	ug/l	99
5) Bromomethane	1.61	94	132235	49.630	ug/l	97
6) Chloroethane	1.69	64	195814	49.398	ug/l	95
7) Trichlorofluoromethane	1.88	101	359533	50.244	ug/l	98
8) Diethyl Ether	2.10	74	173370	52.119	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.28	101	227955	54.686	ug/l	94
10) Methyl Iodide	2.41	142	194792	49.555	ug/l	96
11) Tert butyl alcohol	2.83	59	349740	243.265	ug/l	98
12) 1,1-Dichloroethene	2.28	96	220243	54.445	ug/l	88
13) Acrolein	2.19	56	291241	227.864	ug/l	99
14) Allyl chloride	2.59	41	443538	41.966	ug/l	96
15) Acrylonitrile	2.93	53	873708	229.743	ug/l	99
16) Acetone	2.32	43	921038	237.919	ug/l	96
17) Carbon Disulfide	2.48	76	706369	45.493	ug/l	99
18) Methyl Acetate	2.61	43	488264	45.300	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	822652	49.603	ug/l	98
20) Methylene Chloride	2.70	84	268939	49.253	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	238349	50.805	ug/l	94
22) Diisopropyl ether	3.57	45	935913	44.978	ug/l	98
23) Vinyl Acetate	3.52	43	3880016	224.330	ug/l	97
24) 1,1-Dichloroethane	3.44	63	493693	48.122	ug/l	99
25) 2-Butanone	4.26	43	1253681	225.967	ug/l	94
26) 2,2-Dichloropropane	4.22	77	406398	49.879	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	280388	50.536	ug/l	92
28) Bromochloromethane	4.55	49	232236	45.272	ug/l #	85
29) Tetrahydrofuran	4.63	42	788967	219.025	ug/l	92
30) Chloroform	4.67	83	455634	48.116	ug/l	98
31) Cyclohexane	4.99	56	469577	44.546	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	378517	49.815	ug/l	98
36) 1,1-Dichloropropene	5.13	75	350499	51.230	ug/l	97
37) Ethyl Acetate	4.38	43	443540	47.572	ug/l	97
38) Carbon Tetrachloride	5.13	117	300013	53.400	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	440078	54.557	ug/l	93
40) Benzene	5.39	78	1081181	53.357	ug/l	99
41) Methacrylonitrile	4.54	41	247841	47.866	ug/l	92
42) 1,2-Dichloroethane	5.40	62	365523	50.073	ug/l	95
43) Isopropyl Acetate	5.55	43	726642	49.182	ug/l	96
44) Trichloroethene	6.18	130	252521	58.138	ug/l	97
45) 1,2-Dichloropropane	6.43	63	305028	51.404	ug/l	97
46) Dibromomethane	6.56	93	183700	53.895	ug/l	95
47) Bromodichloromethane	6.76	83	352620	52.012	ug/l	99
48) Methyl methacrylate	6.62	41	365665	47.513	ug/l	95
49) 1,4-Dioxane	6.61	88	145961	1187.184	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	2230510	236.375	ug/l	94
52) Toluene	7.64	92	653249	55.984	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	428268	52.828	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	454146	52.291	ug/l	95
55) 1,1,2-Trichloroethane	8.06	97	258285	53.186	ug/l	98
56) Ethyl methacrylate	8.02	69	447984	54.225	ug/l	94
57) 1,3-Dichloropropane	8.24	76	468316	52.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1123502	253.295	ug/l	96
59) 2-Hexanone	8.36	43	1784002	244.070	ug/l	95
60) Dibromochloromethane	8.48	129	257235	55.695	ug/l	99
61) 1,2-Dibromoethane	8.58	107	278451	55.984	ug/l	98
64) Tetrachloroethene	8.22	164	215764	56.015	ug/l	98
65) Chlorobenzene	9.12	112	688023	56.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	232119	55.693	ug/l	99
67) Ethyl Benzene	9.25	91	1261681	55.093	ug/l	99
68) m/p-Xylenes	9.37	106	930717	112.913	ug/l	97
69) o-Xylene	9.78	106	453956	55.400	ug/l	99
70) Styrene	9.79	104	757353	57.309	ug/l	98
71) Bromoform	9.96	173	200059	57.108	ug/l #	99
73) Isopropylbenzene	10.16	105	1209965	53.858	ug/l	100
74) N-amyl acetate	10.01	43	641692	45.589	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	459031	49.687	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	541337	67.581	ug/l	78
77) Bromobenzene	10.45	156	291640	55.093	ug/l	92
78) n-propylbenzene	10.58	91	1486605	53.640	ug/l	98
79) 2-Chlorotoluene	10.66	91	861024	52.701	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	1011991	53.454	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	542643	179.825	ug/l #	100
82) 4-Chlorotoluene	10.77	91	996284	52.927	ug/l	99
83) tert-Butylbenzene	11.10	119	983732	55.741	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1034287	53.937	ug/l	98
85) sec-Butylbenzene	11.32	105	1239899	54.091	ug/l	100
86) p-Isopropyltoluene	11.48	119	1063788	56.440	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	530127	54.907	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	533337	54.888	ug/l	98
89) n-Butylbenzene	11.89	91	1030102	55.377	ug/l	98
90) Hexachloroethane	12.14	117	159135	54.080	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	536835	55.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98739	48.049	ug/l	88

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

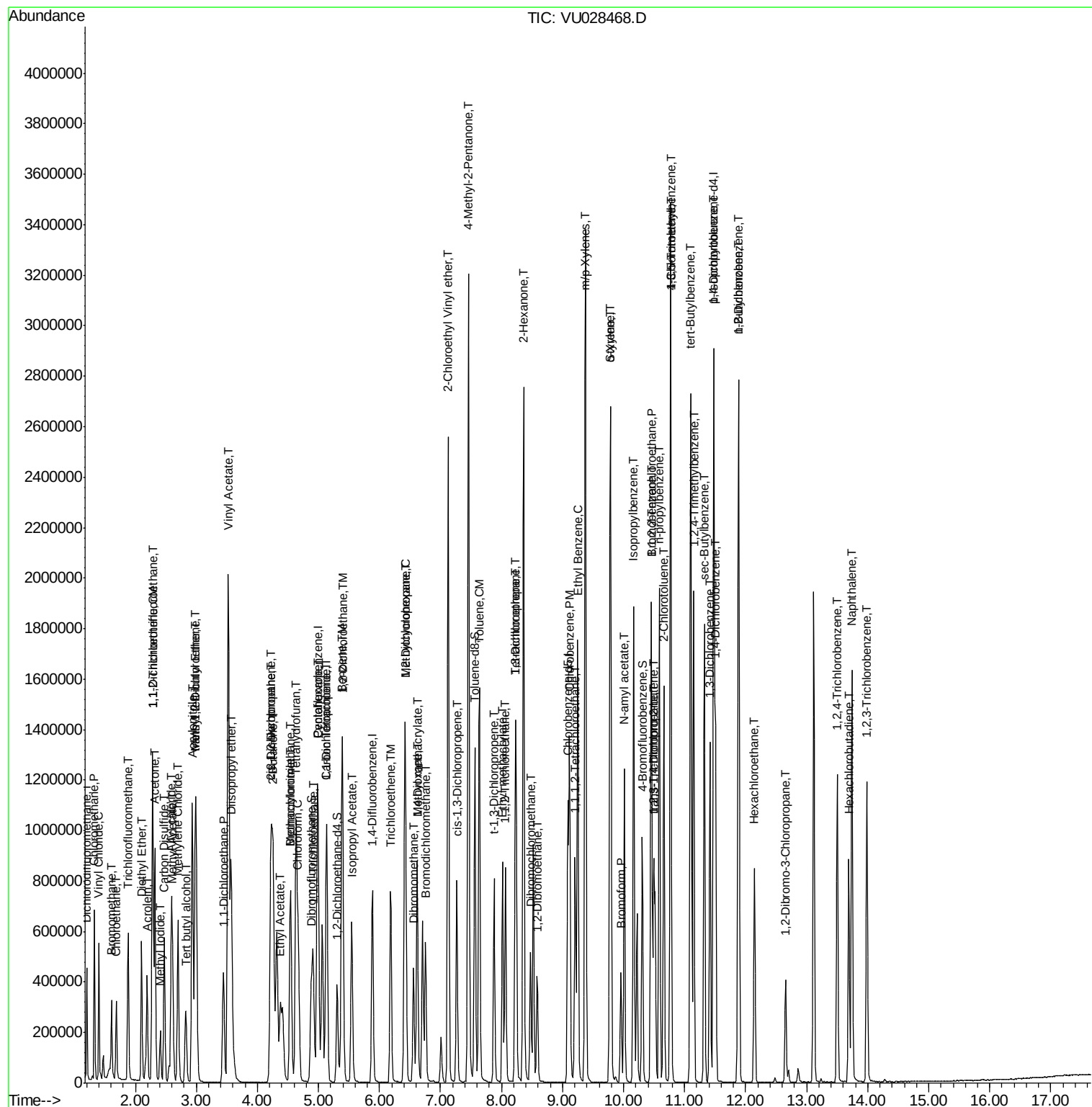
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	369432	58.590	ug/l	98
94) Hexachlorobutadiene	13.69	225	167045	56.105	ug/l	98
95) Naphthalene	13.74	128	1275994	52.345	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	371385	58.237	ug/l	100

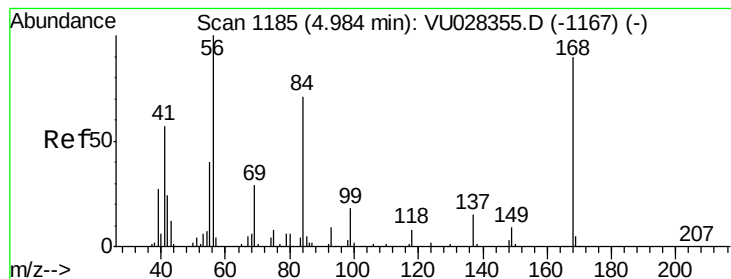
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampled :

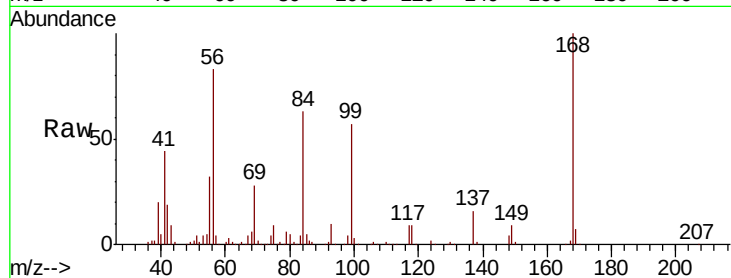
BFB

Tot Ion:168 Resp: 378661

Ion Ratio Lower Upper

168 100

99 56.2 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

150000

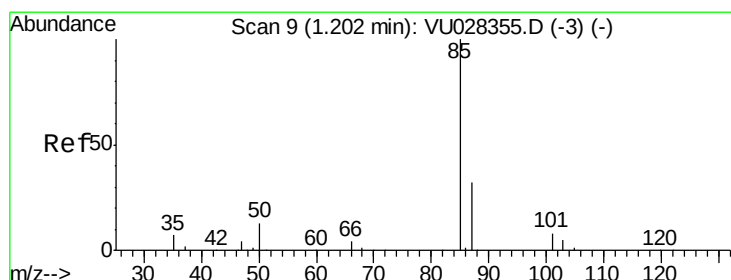
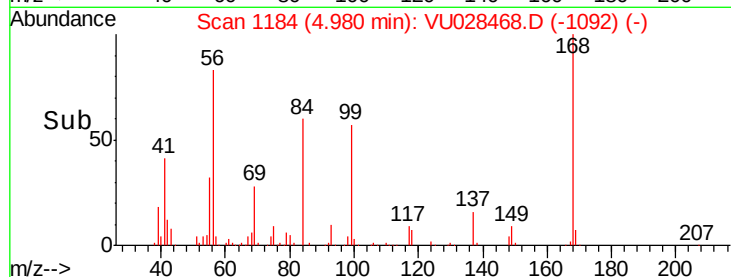
100000

50000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.672 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028468.D

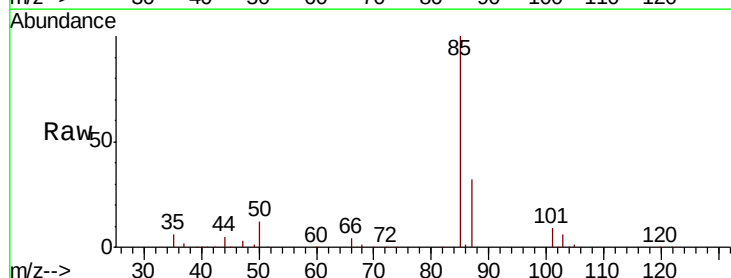
Acq: 05 Dec 2018 09:55

Tgt Ion: 85 Resp: 242158

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

250000

200000

150000

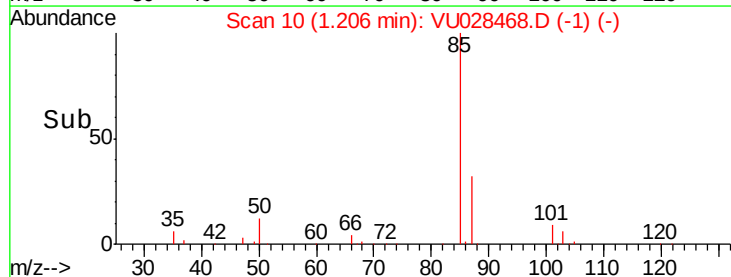
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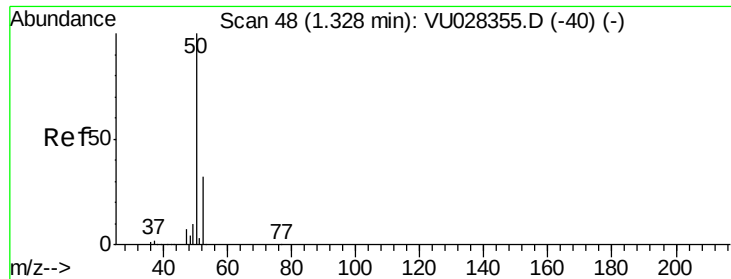
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.984 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

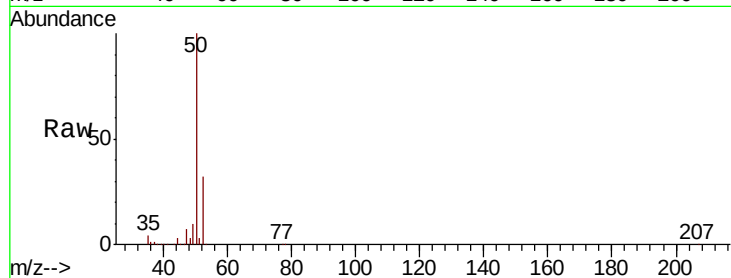
BFB

Tot Ion: 50 Resp: 433065

Ion Ratio Lower Upper

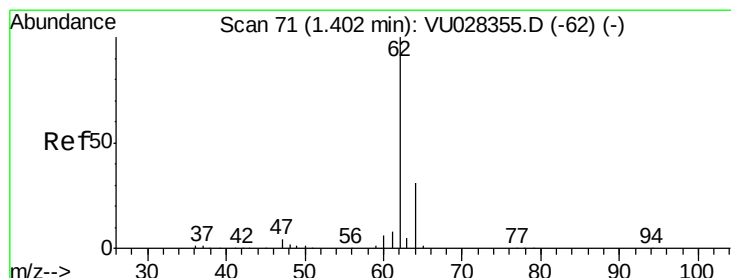
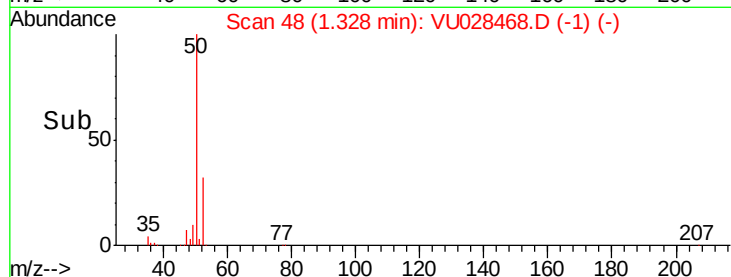
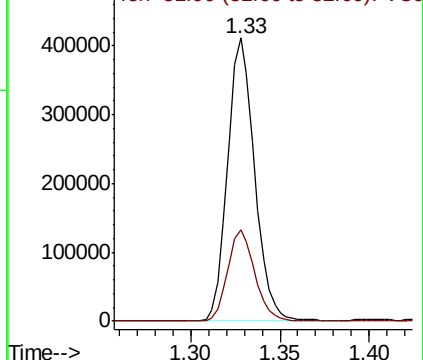
50 100

52 32.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028468.D

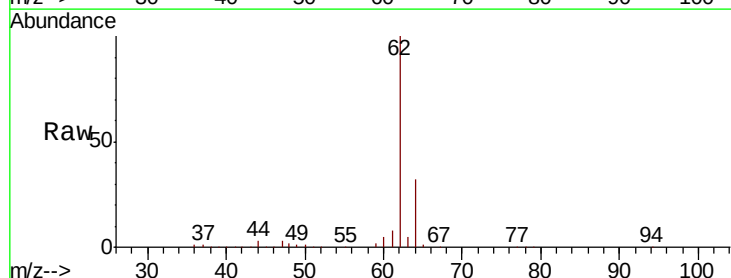
Acq: 05 Dec 2018 09:55

Tgt Ion: 62 Resp: 332756

Ion Ratio Lower Upper

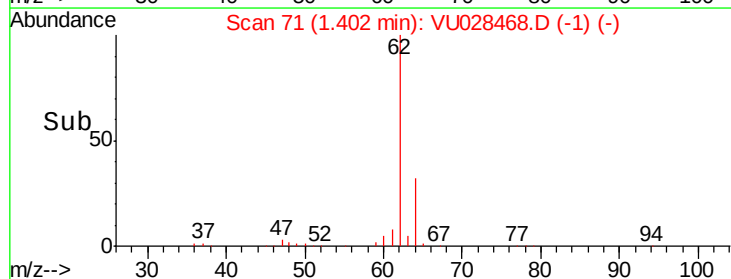
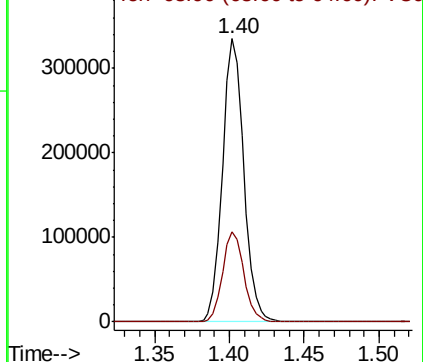
62 100

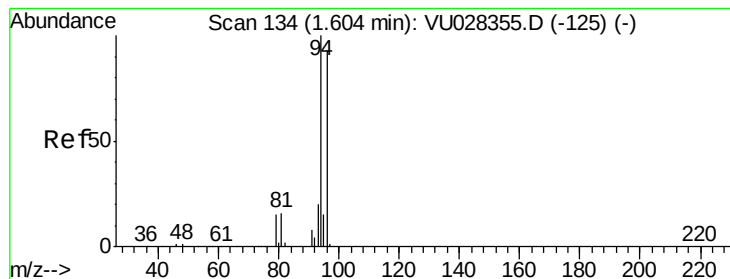
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 49.630 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

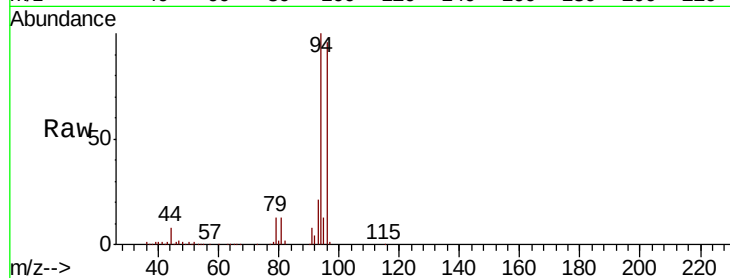
BFB

Tot Ion: 94 Resp: 132235

Ion Ratio Lower Upper

94 100

96 96.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

120000

100000

80000

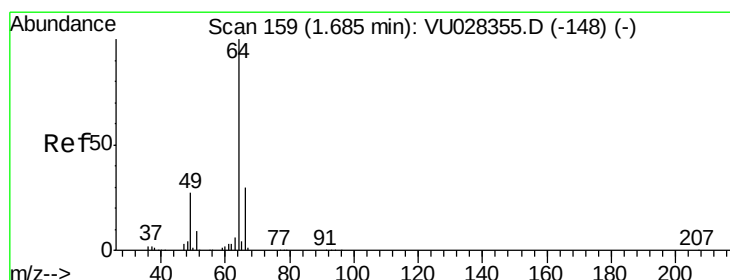
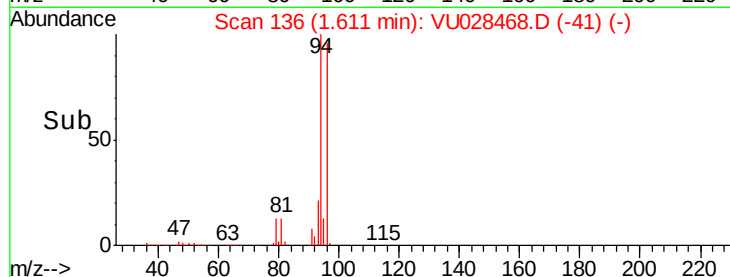
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.398 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU028468.D

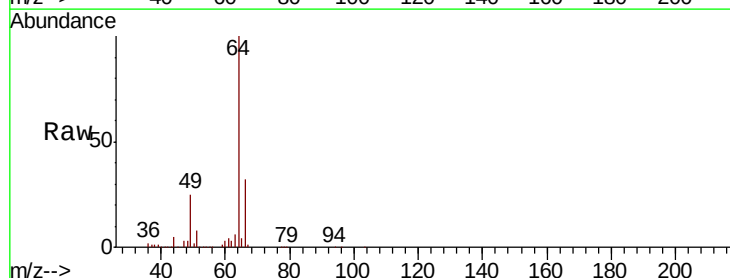
Acq: 05 Dec 2018 09:55

Tgt Ion: 64 Resp: 195814

Ion Ratio Lower Upper

64 100

66 32.1 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

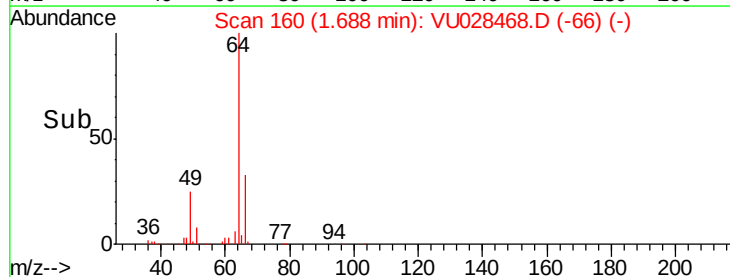
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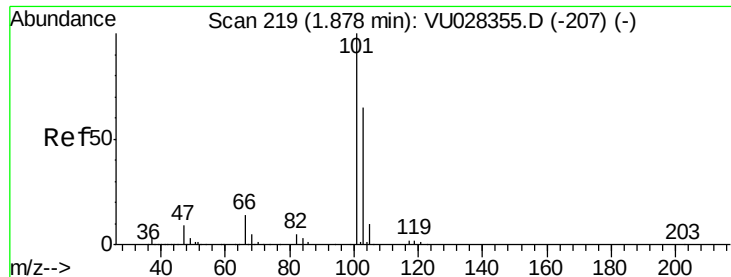
100000

50000

0

Time-->



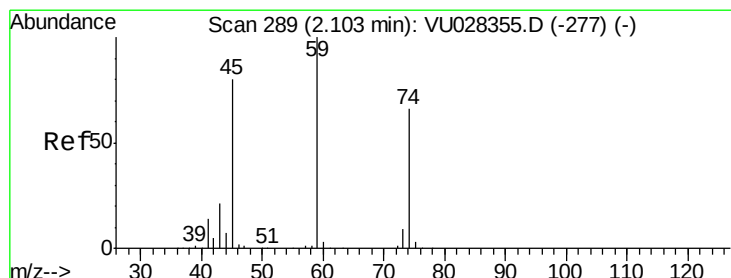
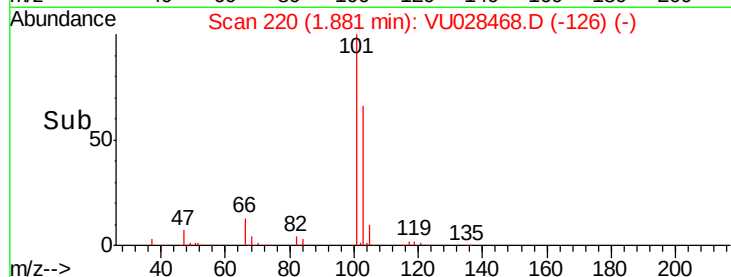
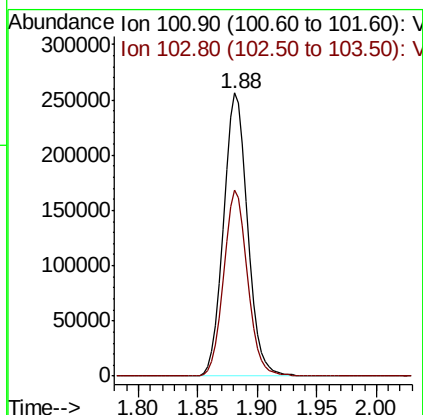
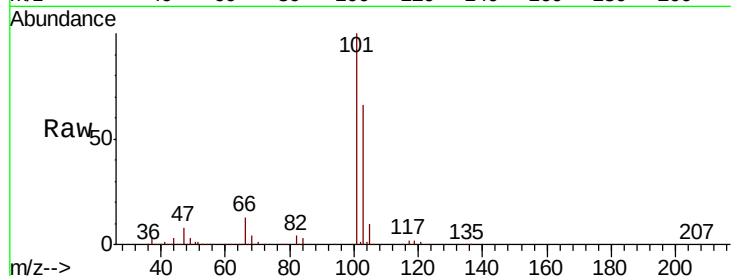


#7

Trichlorofluoromethane
 Concen: 50.244 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

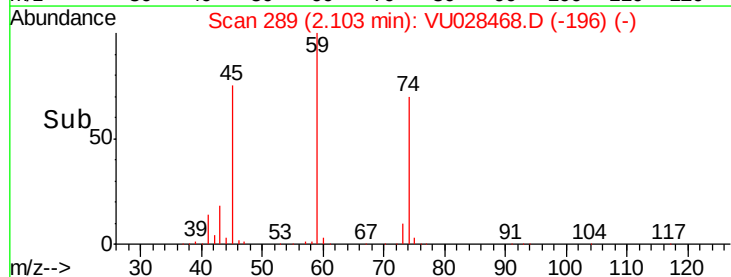
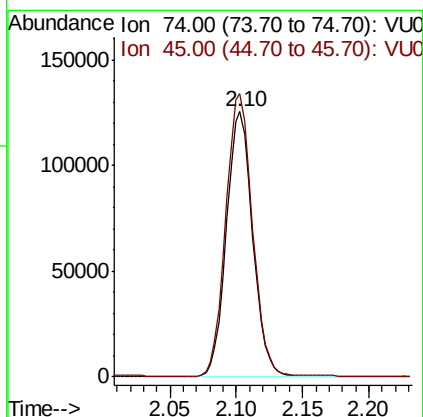
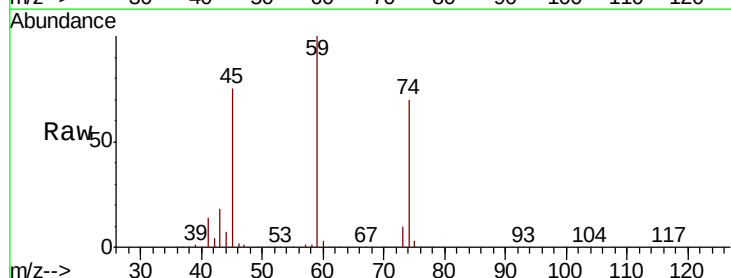
Tot Ion:101 Resp: 359533
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.6 77.4

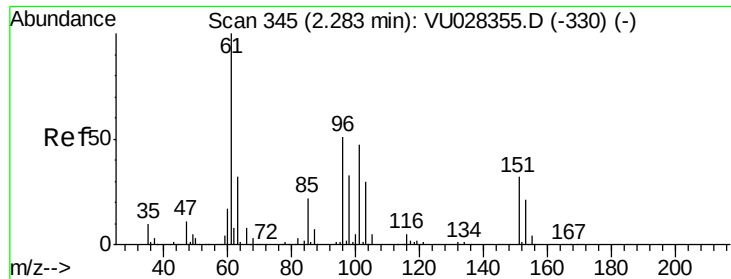


#8

Diethyl Ether
 Concen: 52.119 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 74 Resp: 173370
 Ion Ratio Lower Upper
 74 100
 45 108.3 63.0 189.1

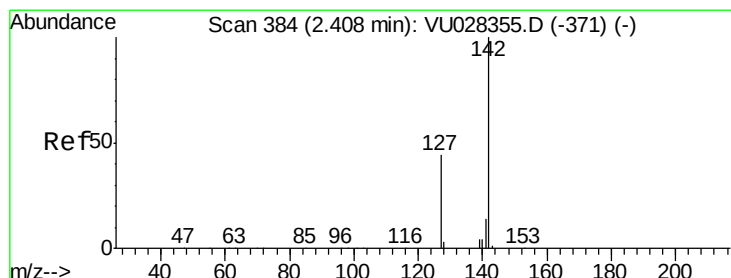
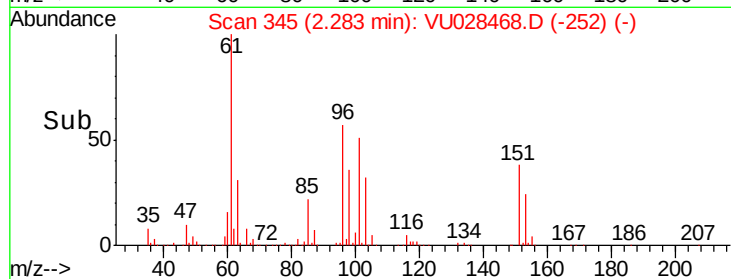
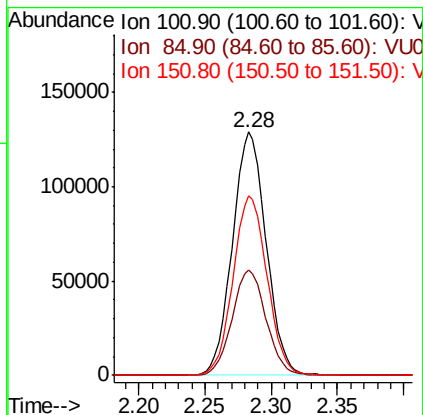
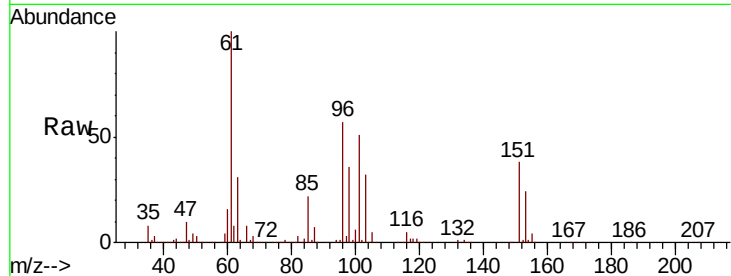




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.686 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

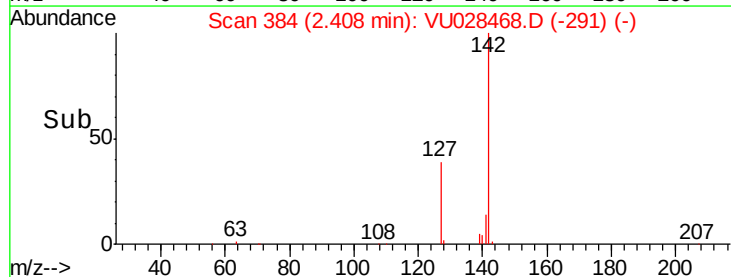
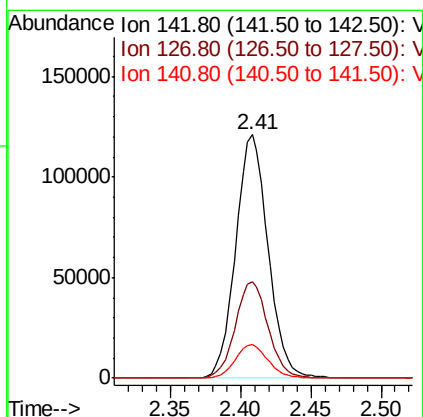
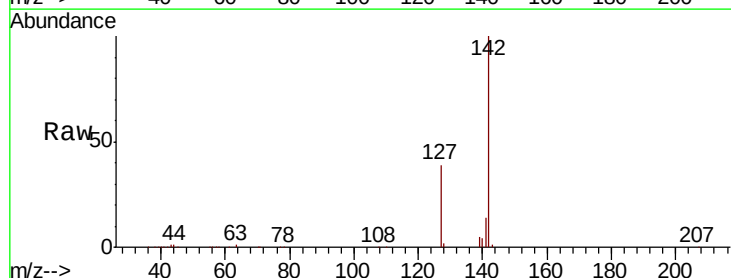
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

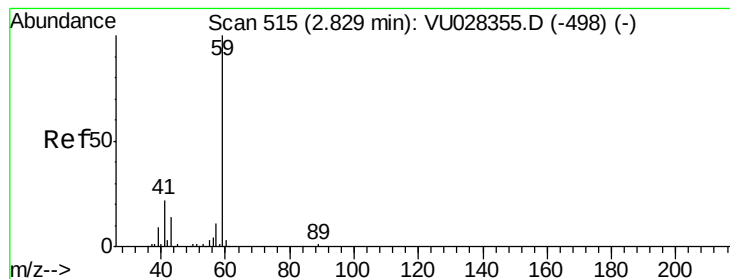
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	37.2	55.8
151	74.3	55.4	83.0



#10
 Methyl Iodide
 Concen: 49.555 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.2	35.0	52.6
141	14.0	11.2	16.8





#11

Tert butyl alcohol

Concen: 243.265 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

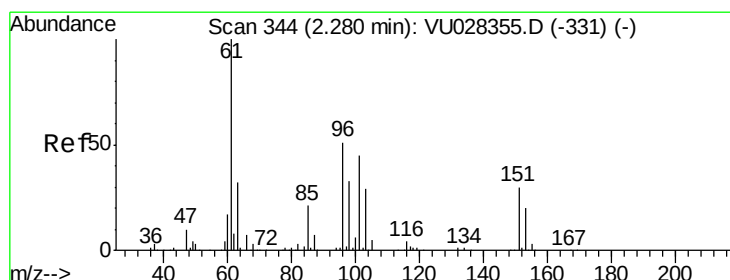
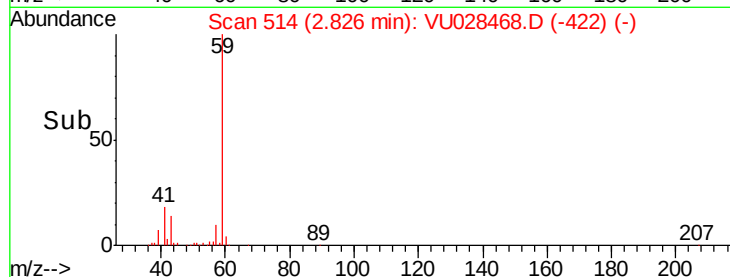
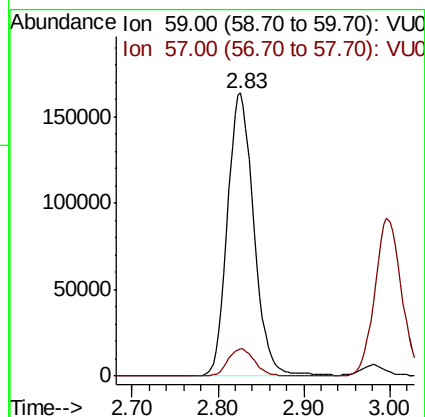
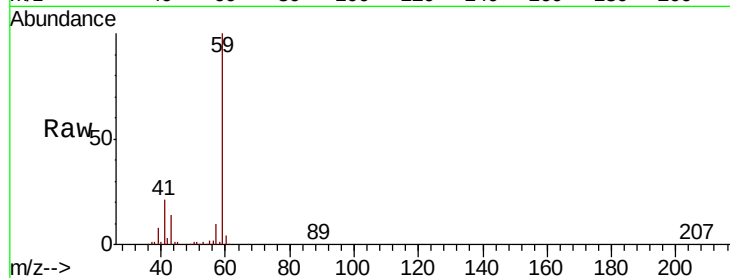
BFB

Tot Ion: 59 Resp: 349740

Ion Ratio Lower Upper

59 100

57 9.7 8.3 12.5



#12

1,1-Dichloroethene

Concen: 54.445 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

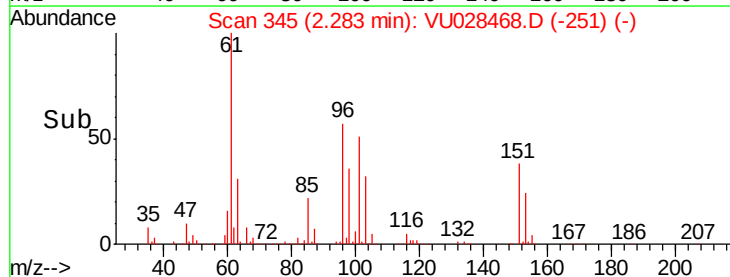
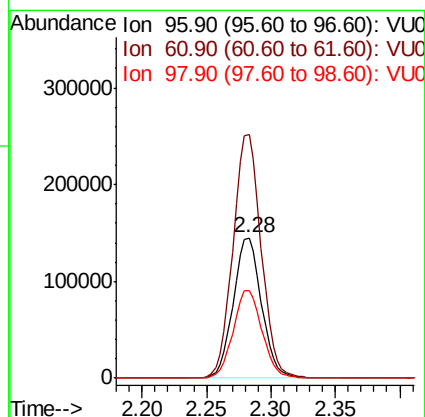
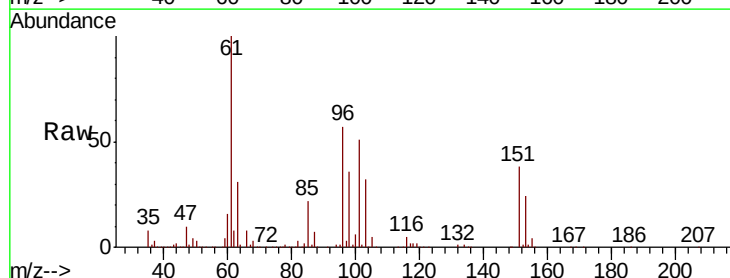
Tgt Ion: 96 Resp: 220243

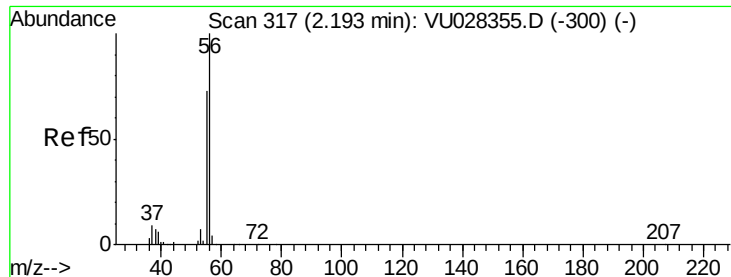
Ion Ratio Lower Upper

96 100

61 173.9 158.1 237.1

98 62.8 51.4 77.2

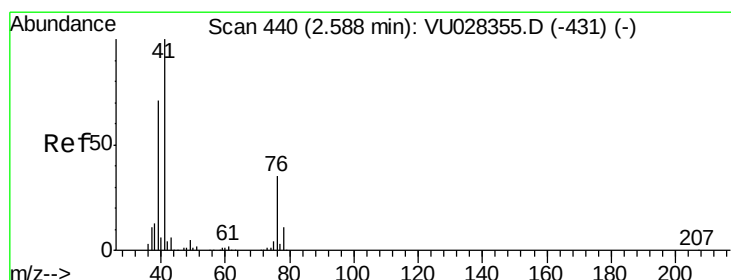
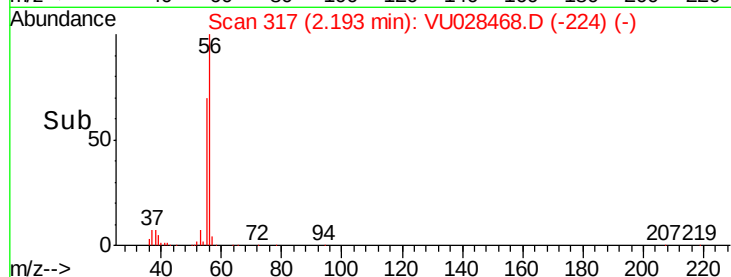
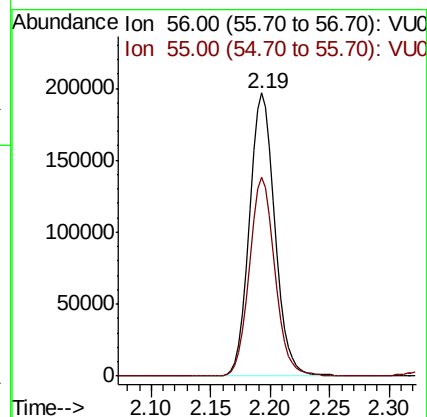
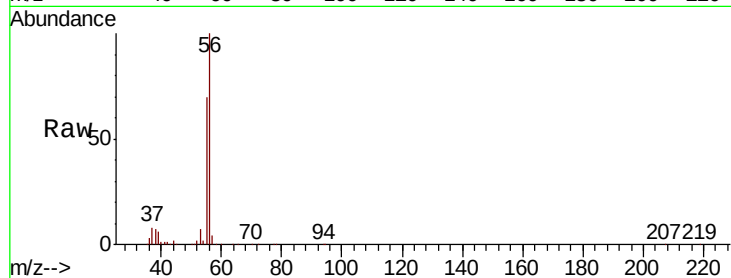




#13
Acrolein
Concen: 227.864 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

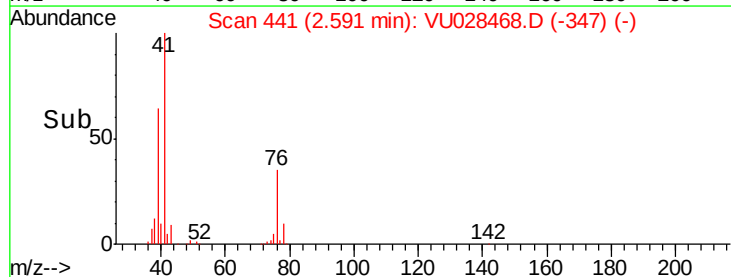
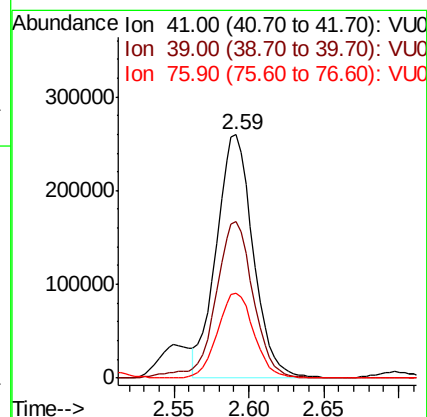
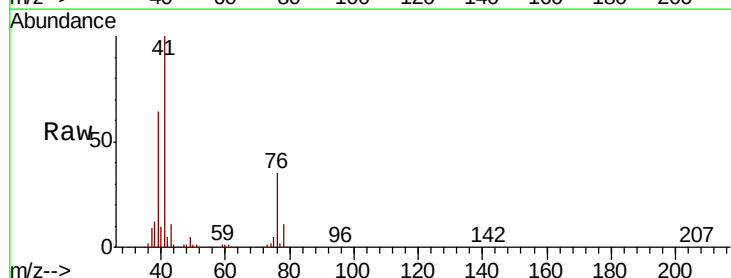
Instrument :
MSVOA_U
ClientSampleId :
BFB

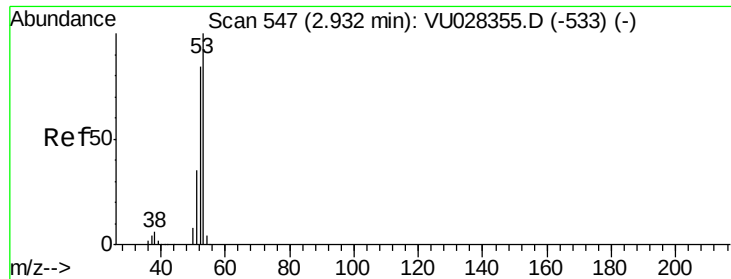
Tot Ion: 56 Resp: 291241
Ion Ratio Lower Upper
56 100
55 70.3 56.6 85.0



#14
Allyl chloride
Concen: 41.966 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 41 Resp: 443538
Ion Ratio Lower Upper
41 100
39 66.1 51.6 77.4
76 34.7 24.4 36.6





#15

Acrylonitrile

Concen: 229.743 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

BFB

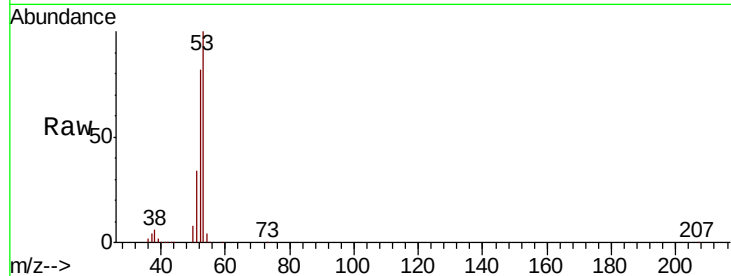
Tot Ion: 53 Resp: 873708

Ion Ratio Lower Upper

53 100

52 82.8 65.7 98.5

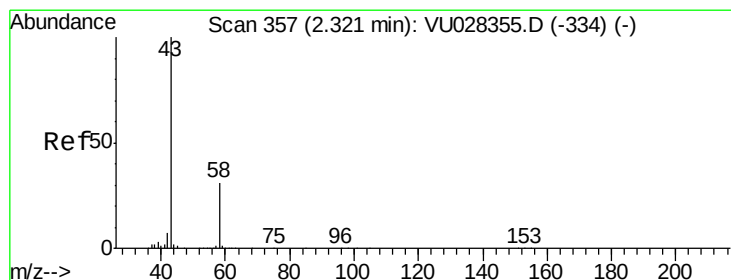
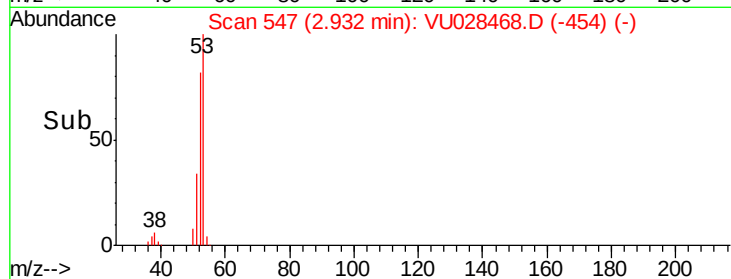
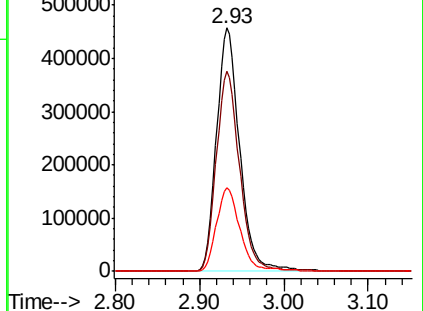
51 35.1 27.8 41.6



Abundance Ion 53.00 (52.70 to 53.70): VU028468.D (-533) (-)

Ion 52.00 (51.70 to 52.70): VU028468.D (-533) (-)

Ion 51.00 (50.70 to 51.70): VU028468.D (-533) (-)



#16

Acetone

Concen: 237.919 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028468.D

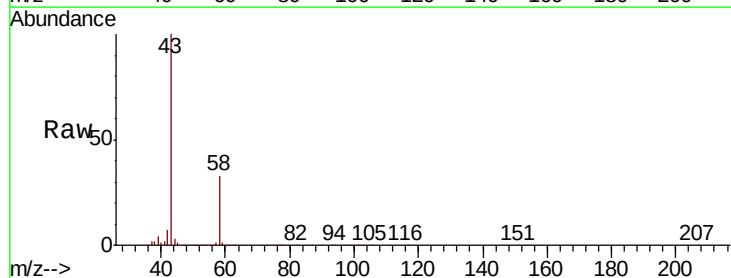
Acq: 05 Dec 2018 09:55

Tgt Ion: 43 Resp: 921038

Ion Ratio Lower Upper

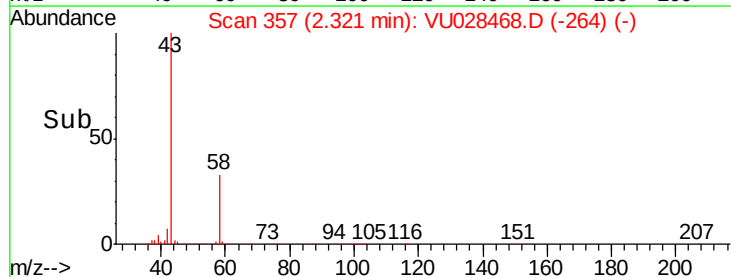
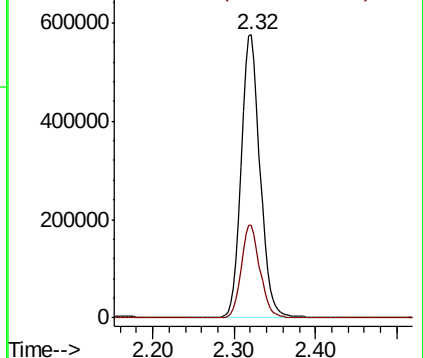
43 100

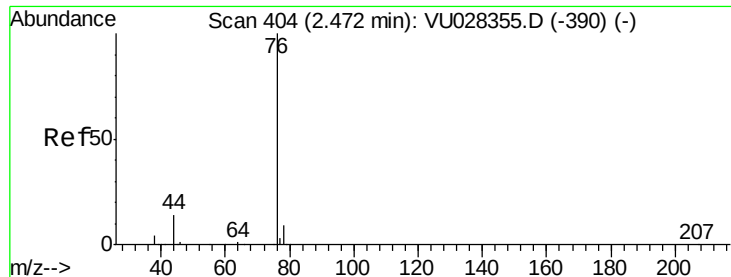
58 32.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU028468.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU028468.D (-264) (-)

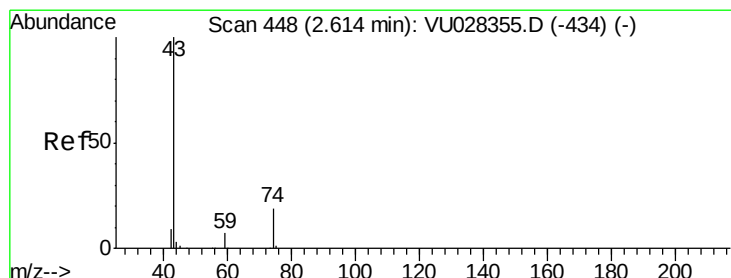
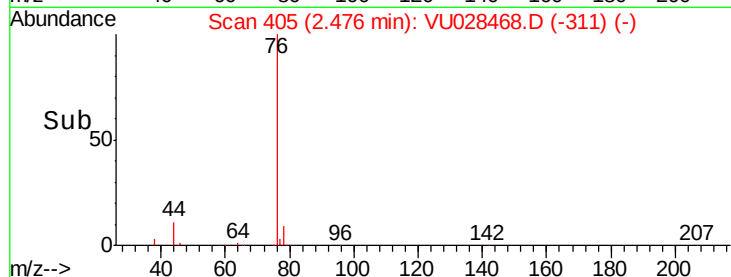
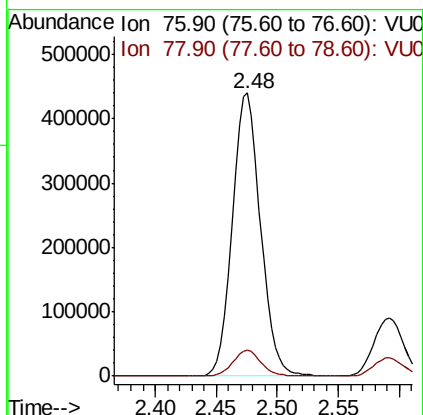
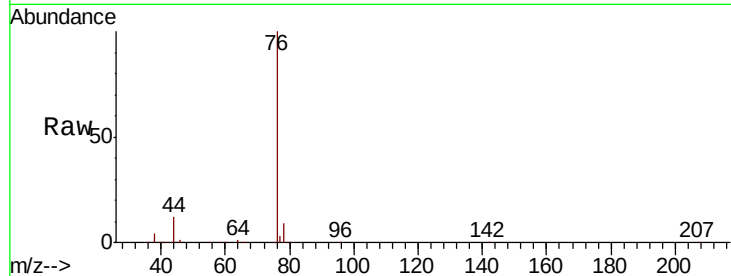




#17
Carbon Disulfide
Concen: 45.493 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

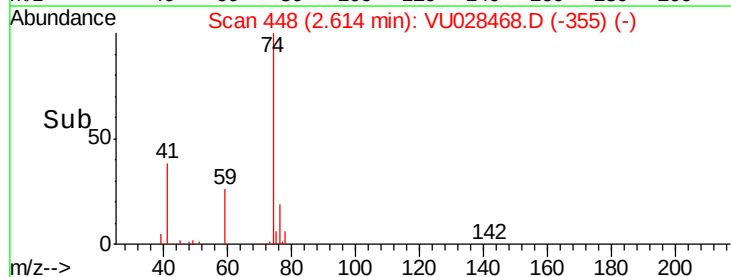
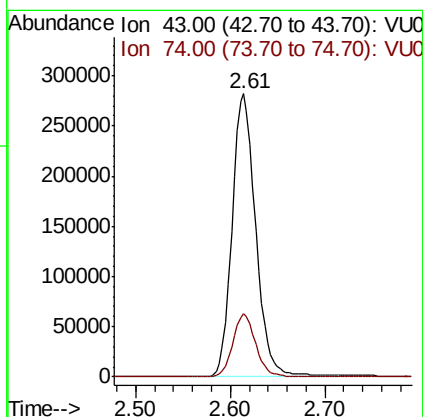
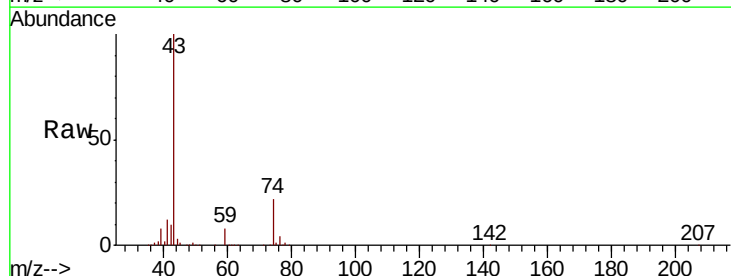
Instrument :
MSVOA_U
ClientSampled :
BFB

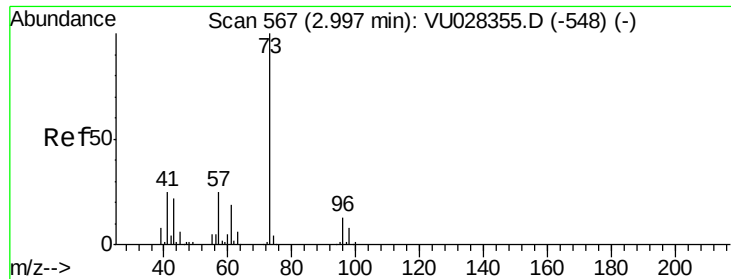
Tot Ion: 76 Resp: 706369
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 45.300 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 43 Resp: 488264
Ion Ratio Lower Upper
43 100
74 21.7 15.3 22.9

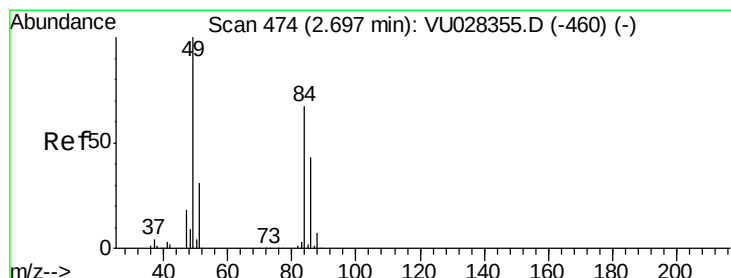
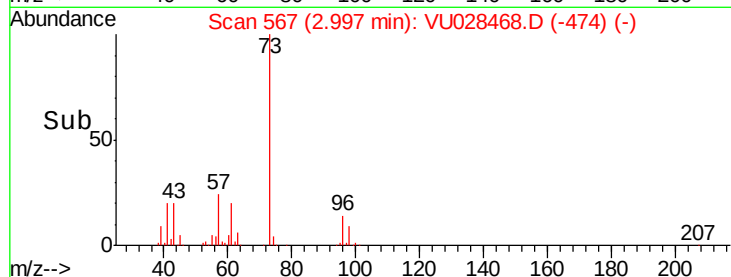
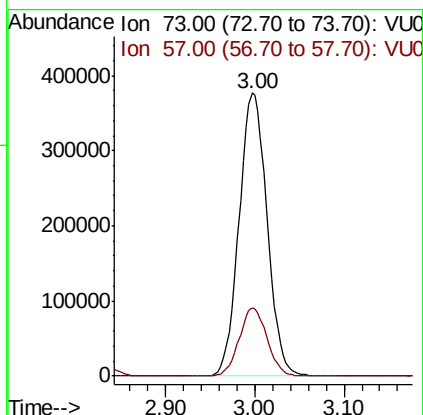
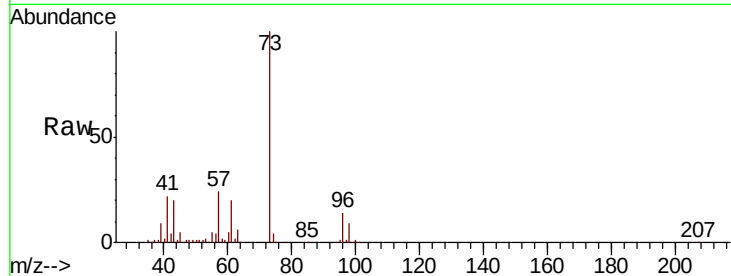




#19
Methyl tert-butyl Ether
Concen: 49.603 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

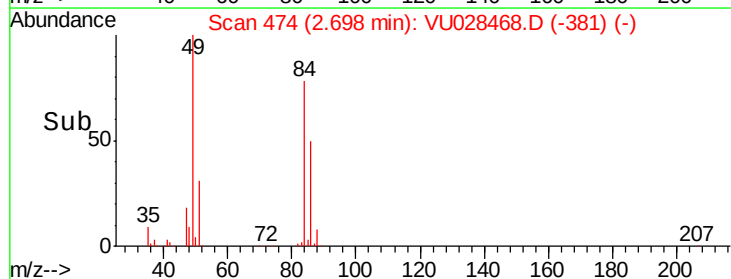
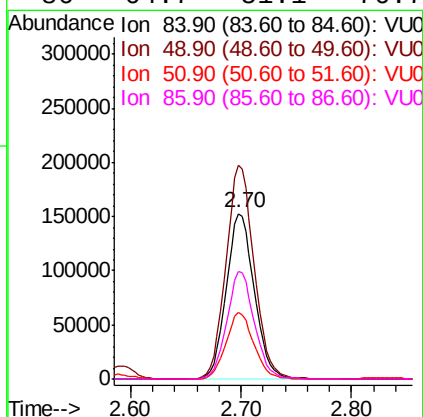
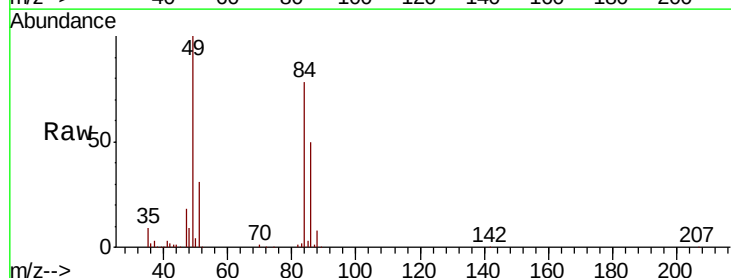
Instrument :
MSVOA_U
ClientSampled :
BFB

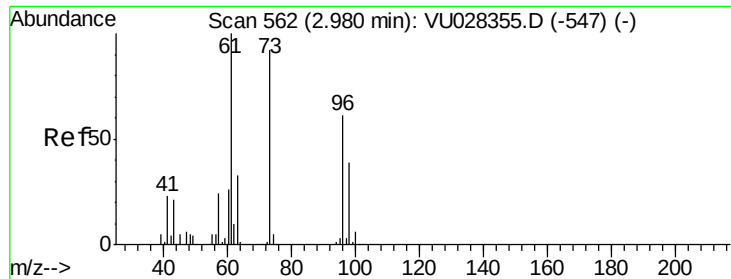
Tot Ion: 73 Resp: 822652
Ion Ratio Lower Upper
73 100
57 24.2 20.1 30.1



#20
Methylene Chloride
Concen: 49.253 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 84 Resp: 268939
Ion Ratio Lower Upper
84 100
49 129.0 120.0 180.0
51 40.1 36.9 55.3
86 64.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.805 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

BFB

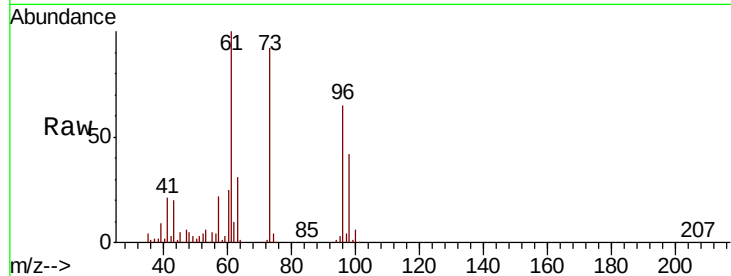
Tot Ion: 96 Resp: 238349

Ion Ratio Lower Upper

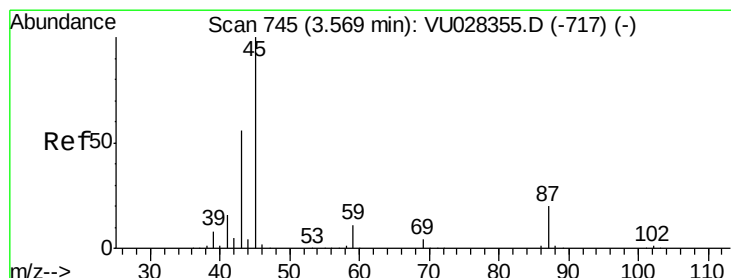
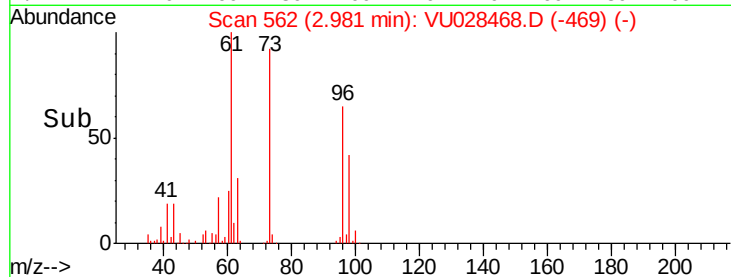
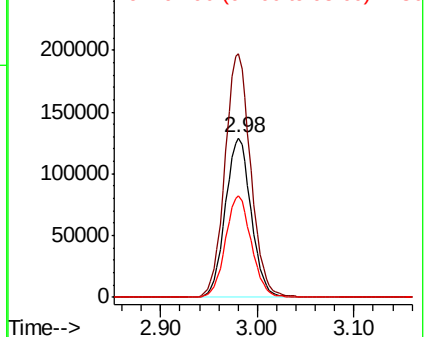
96 100

61 152.9 131.1 196.7

98 63.6 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 44.978 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion: 45 Resp: 935913

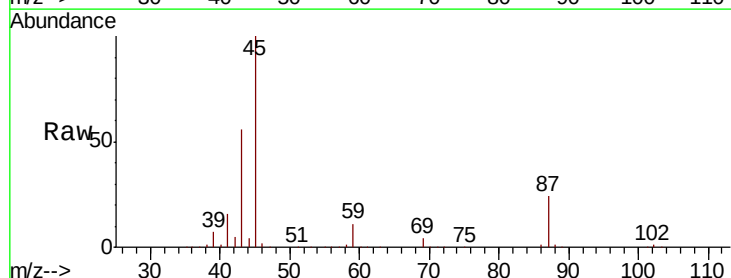
Ion Ratio Lower Upper

45 100

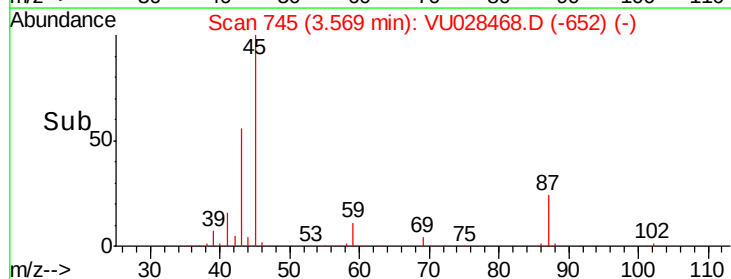
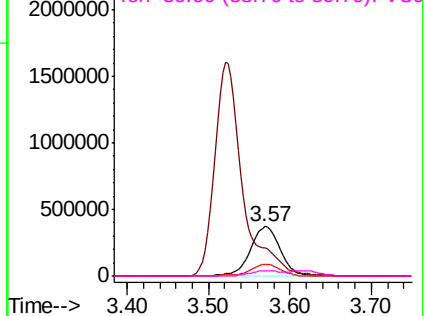
43 55.5 44.8 67.2

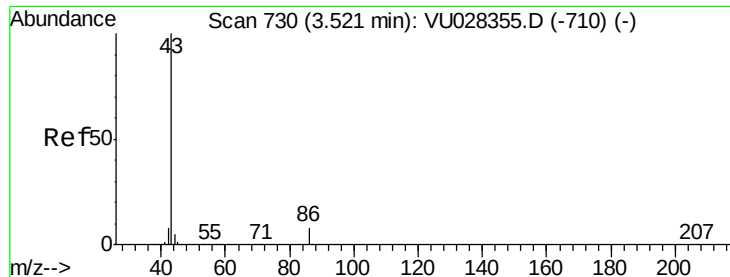
87 24.0 16.3 24.5

59 11.4 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 224.330 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

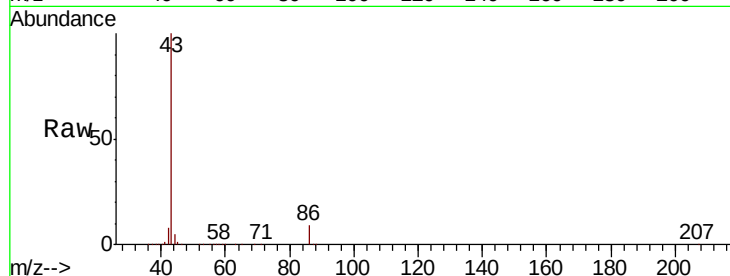
BFB

Tot Ion: 43 Resp: 3880016

Ion Ratio Lower Upper

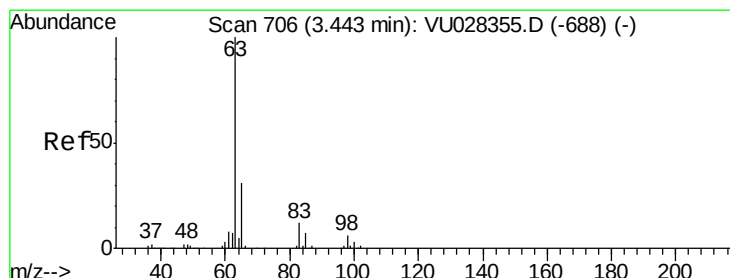
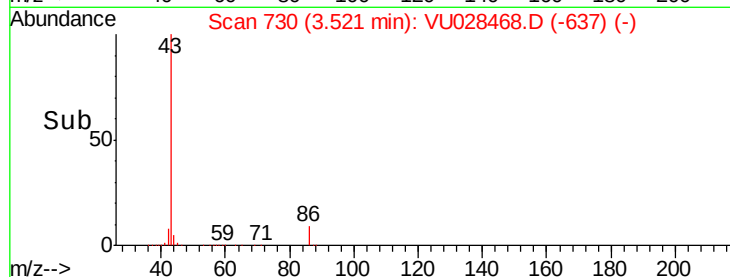
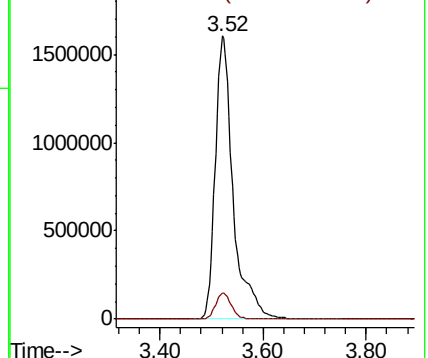
43 100

86 9.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-710) (-)

Ion 86.00 (85.70 to 86.70): VU028355.D (-710) (-)



#24

1,1-Dichloroethane

Concen: 48.122 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

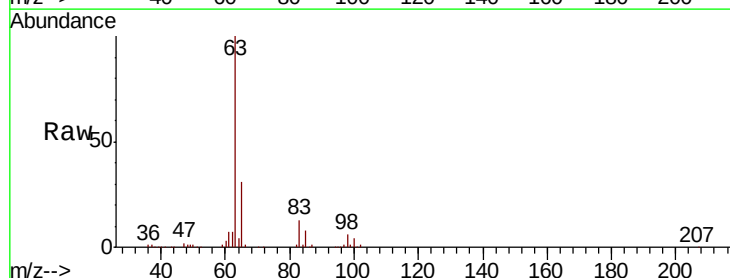
Tgt Ion: 63 Resp: 493693

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

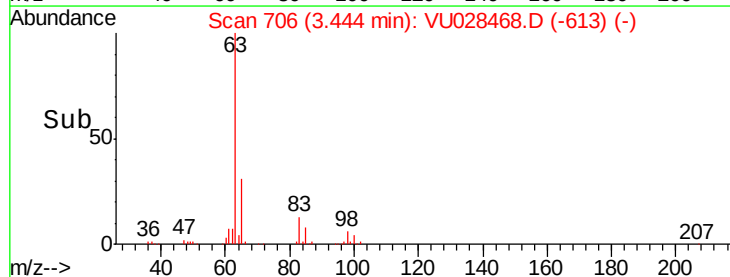
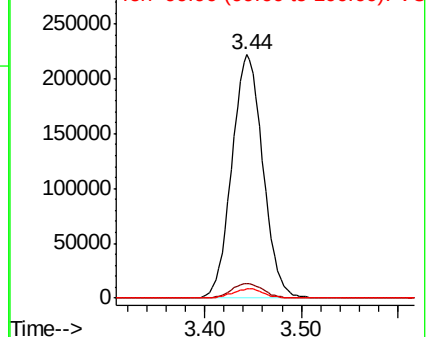
100 3.8 1.7 5.1

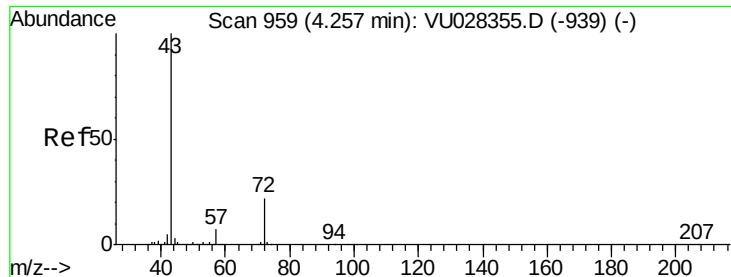


Abundance Ion 62.90 (62.60 to 63.60): VU028355.D (-688) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-688) (-)

Ion 99.90 (99.60 to 100.60): VU028355.D (-688) (-)

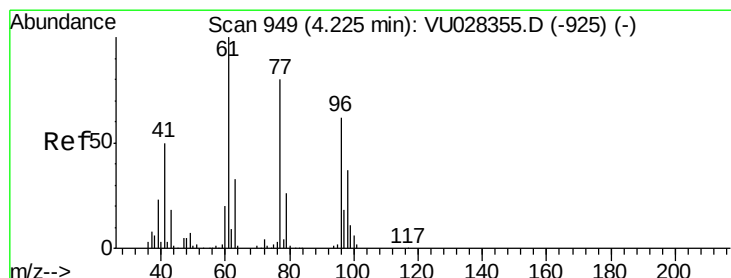
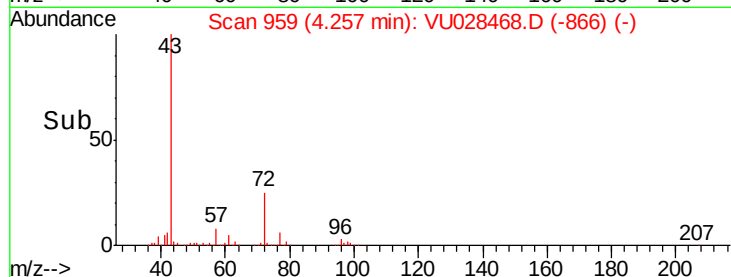
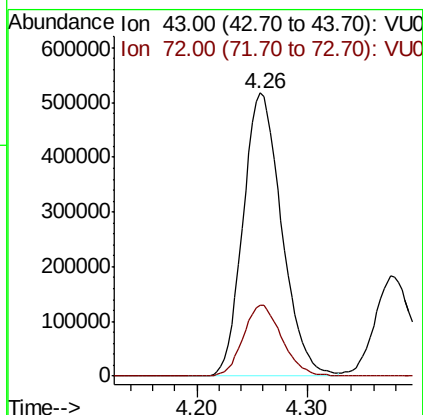
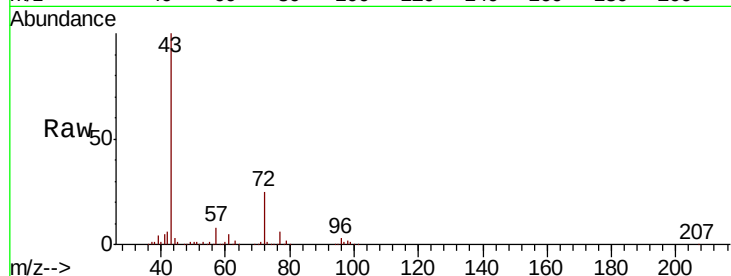




#25
 2-Butanone
 Concen: 225.967 ug/l
 RT: 4.26 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

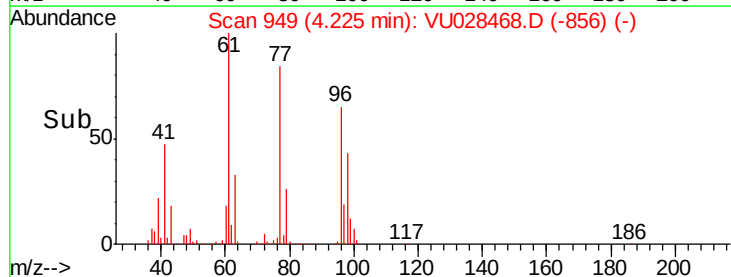
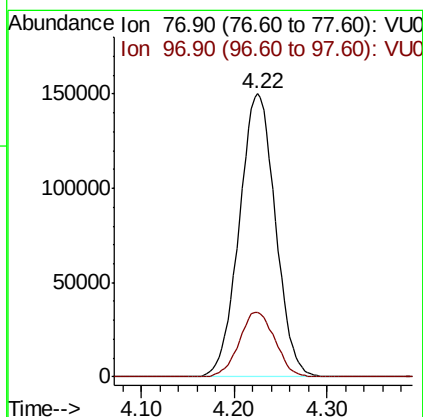
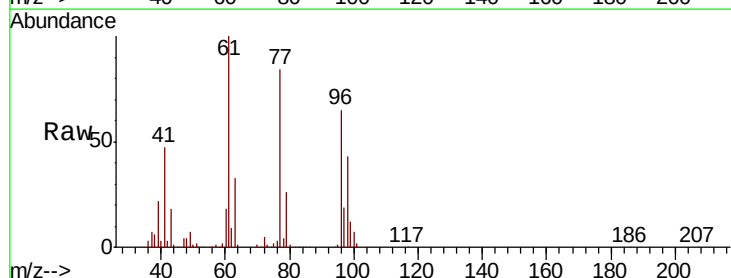
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

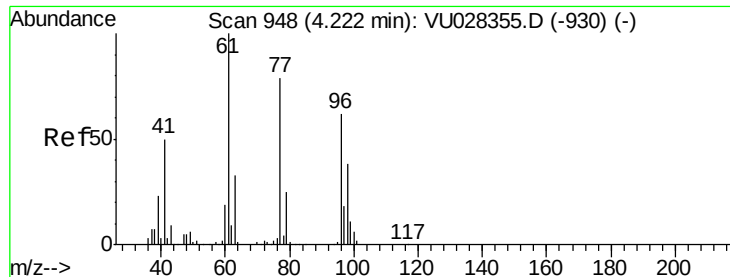
Tot Ion: 43 Resp: 1253681
 Ion Ratio Lower Upper
 43 100
 72 25.1 17.7 26.5



#26
 2,2-Dichloropropane
 Concen: 49.879 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 77 Resp: 406398
 Ion Ratio Lower Upper
 77 100
 97 22.7 10.7 32.1



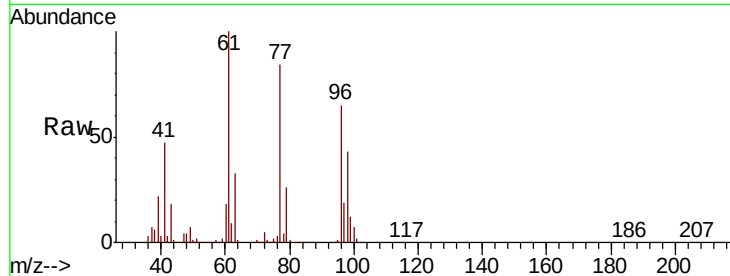


#27

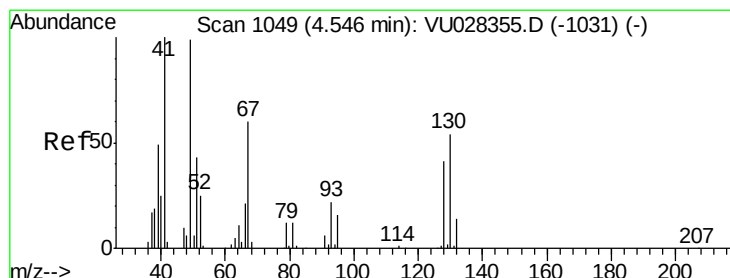
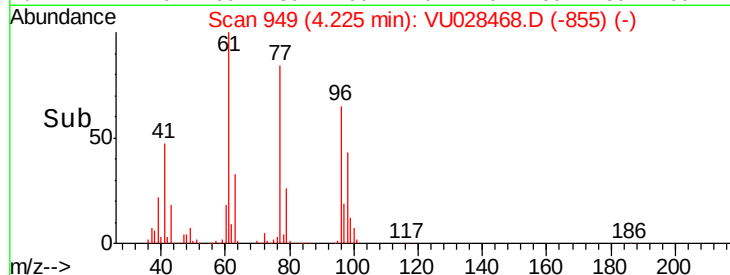
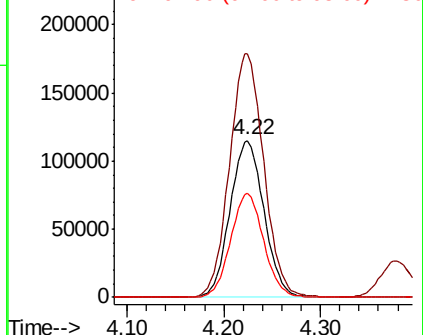
cis-1,2-Dichloroethene
 Concen: 50.536 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tot Ion	96	Resp	280388
Ion Ratio	Lower	Upper	
96	100		
61	156.6	0.0	342.0
98	64.7	0.0	126.4



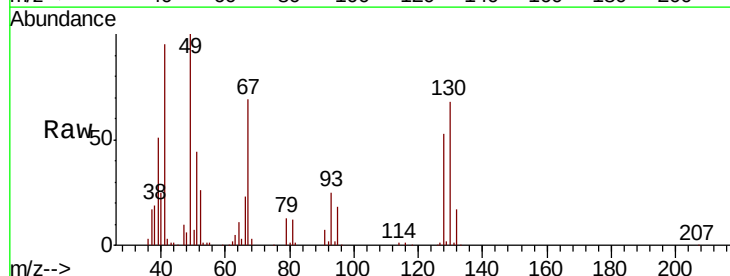
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



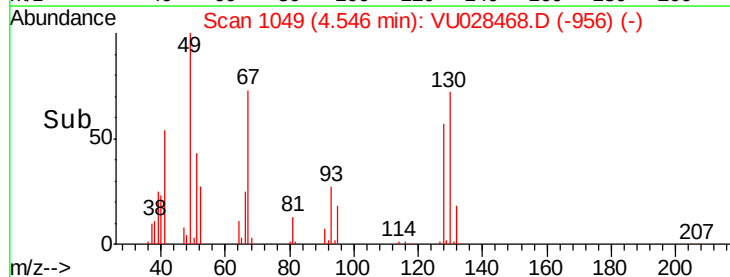
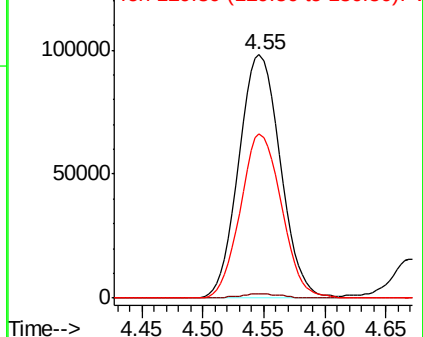
#28

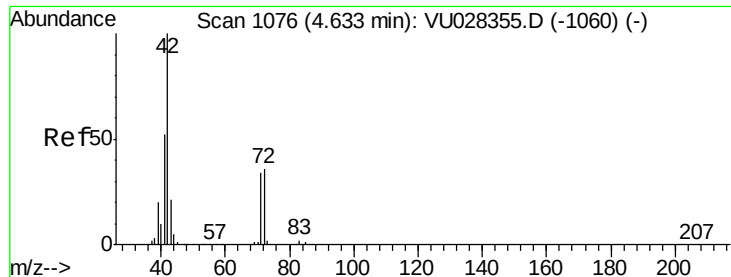
Bromochloromethane
 Concen: 45.272 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	49	Resp	232236
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
49	100		
129	1.8	0.0	2.6
130	66.9	44.5	66.7#



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 219.025 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

BFB

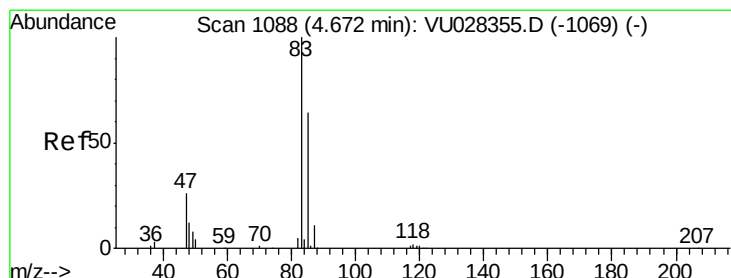
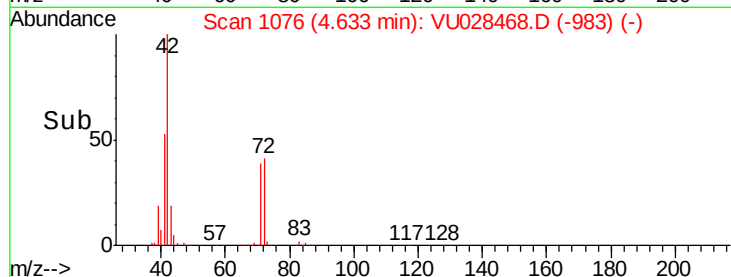
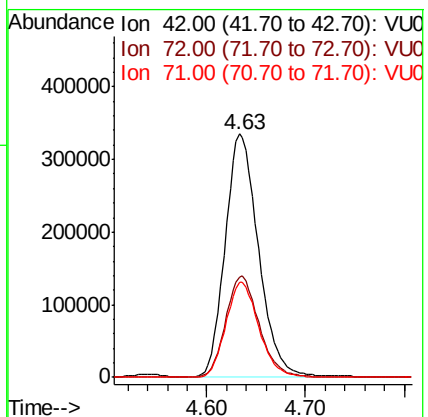
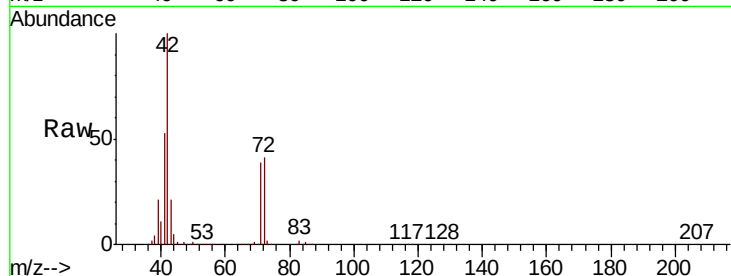
Tot Ion: 42 Resp: 788967

Ion Ratio Lower Upper

42 100

72 41.9 29.5 44.3

71 39.0 27.7 41.5



#30

Chloroform

Concen: 48.116 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028468.D

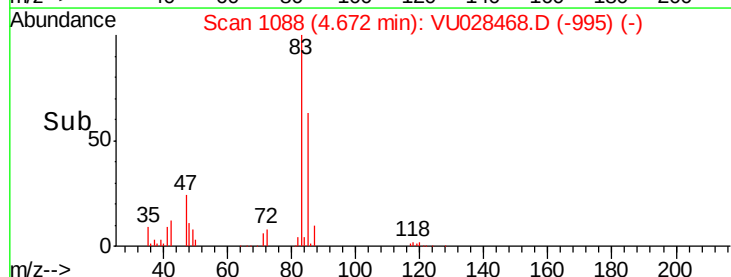
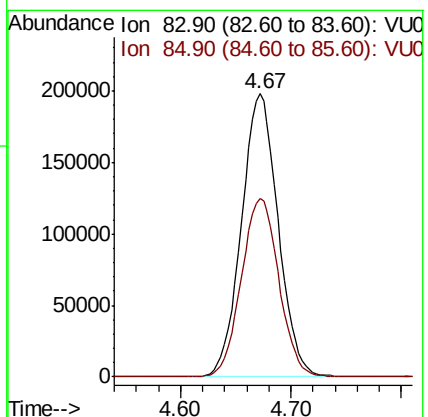
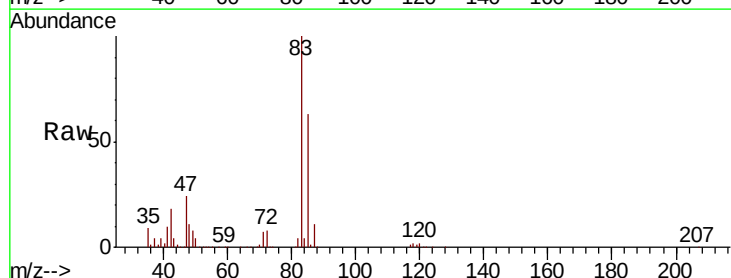
Acq: 05 Dec 2018 09:55

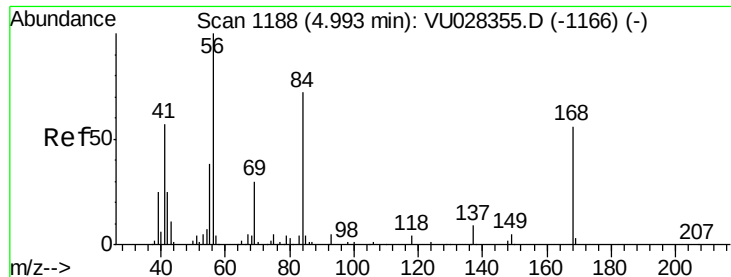
Tgt Ion: 83 Resp: 455634

Ion Ratio Lower Upper

83 100

85 62.8 51.2 76.8

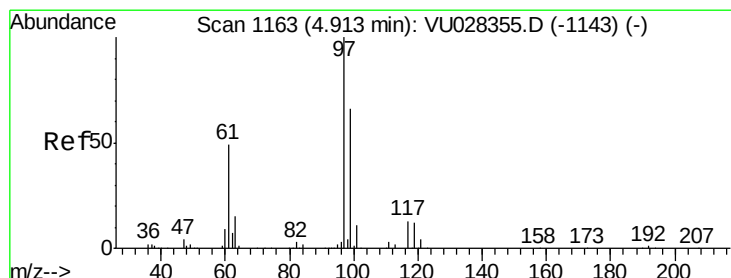
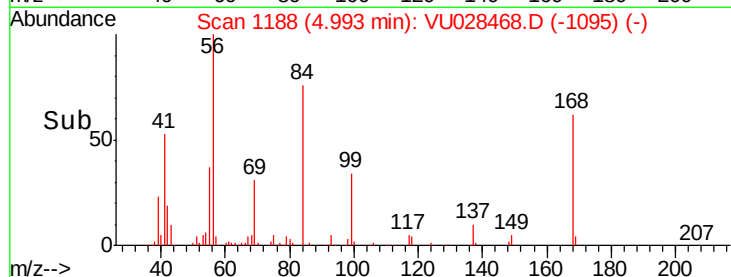
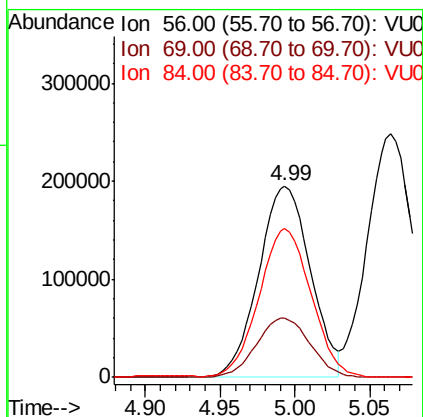
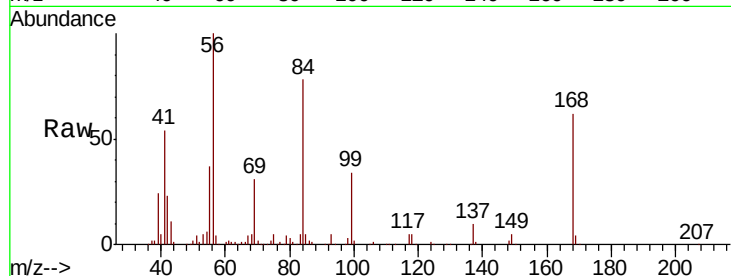




#31
Cyclohexane
Concen: 44.546 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

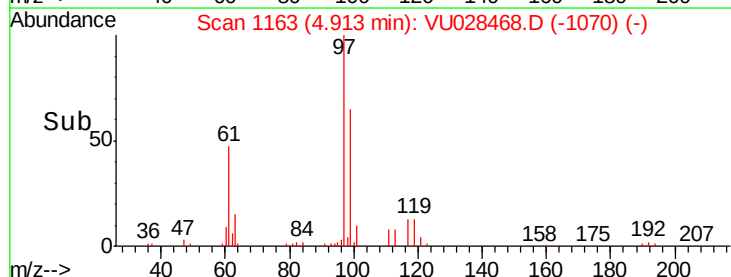
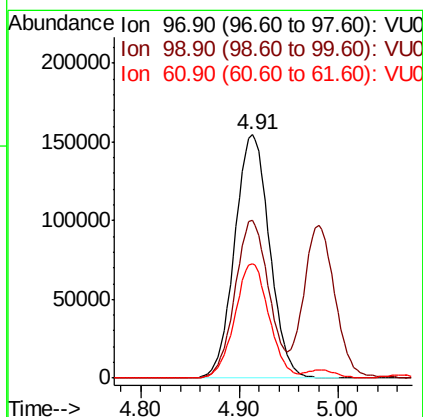
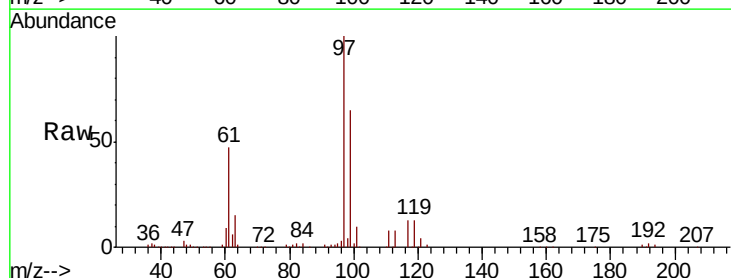
Instrument :
MSVOA_U
ClientSampled :
BFB

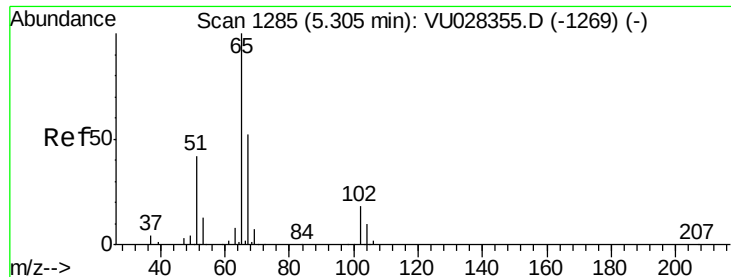
Tot Ion: 56 Resp: 469577
Ion Ratio Lower Upper
56 100
69 31.0 23.7 35.5
84 76.9 57.3 85.9



#32
1,1,1-Trichloroethane
Concen: 49.815 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 97 Resp: 378517
Ion Ratio Lower Upper
97 100
99 63.4 50.8 76.2
61 46.2 39.1 58.7

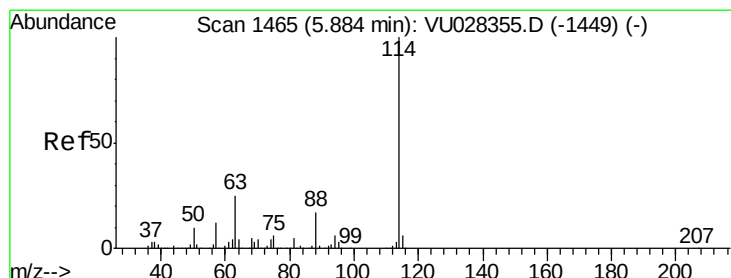
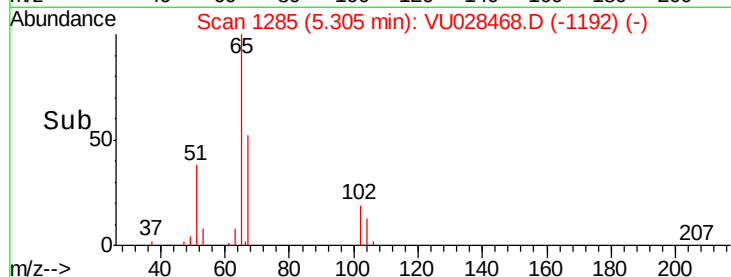
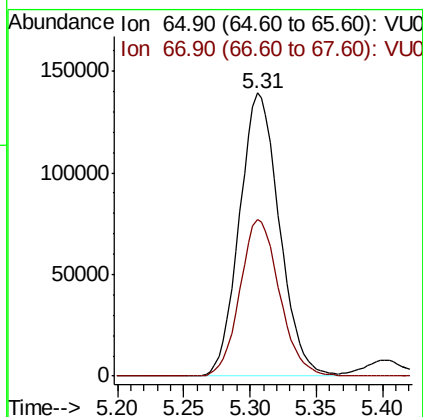
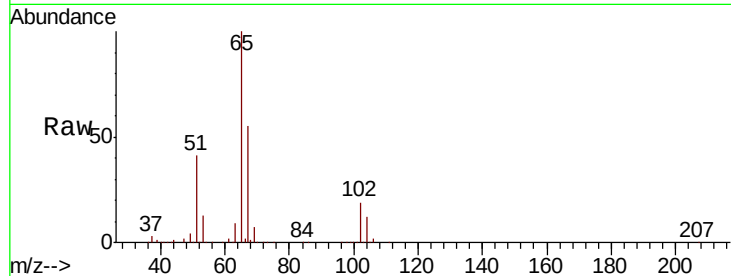




#33
 1,2-Dichloroethane-d4
 Concen: 46.084 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

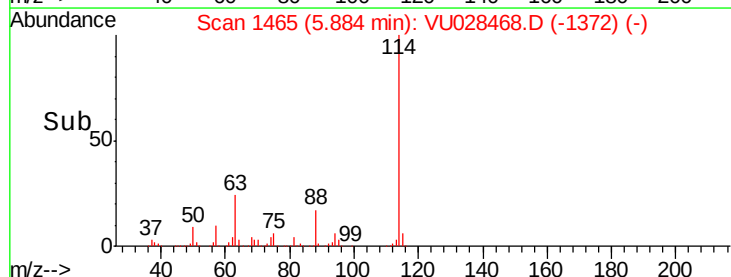
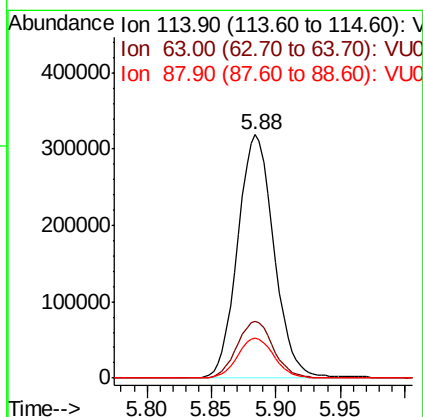
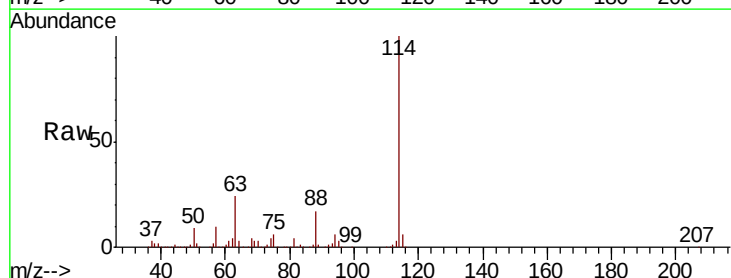
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

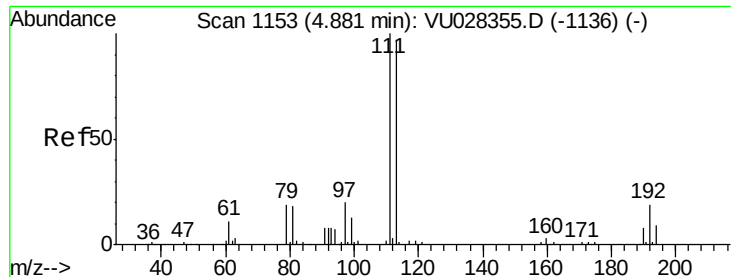
Tot Ion: 65 Resp: 291639
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 114 Resp: 625213
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 50.0
 88 16.6 0.0 34.4

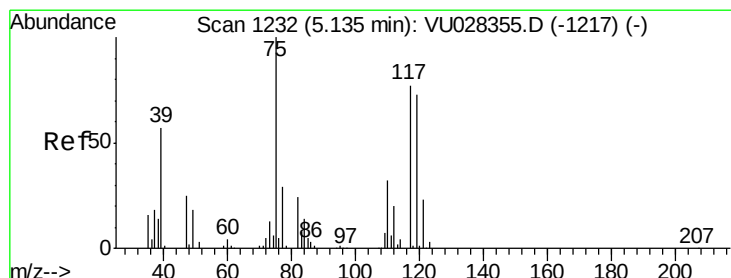
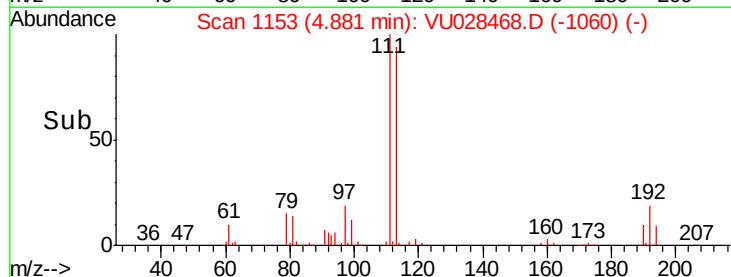
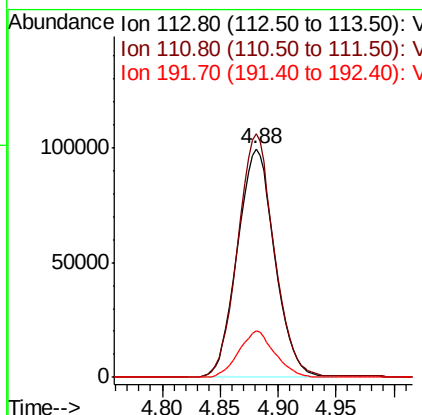
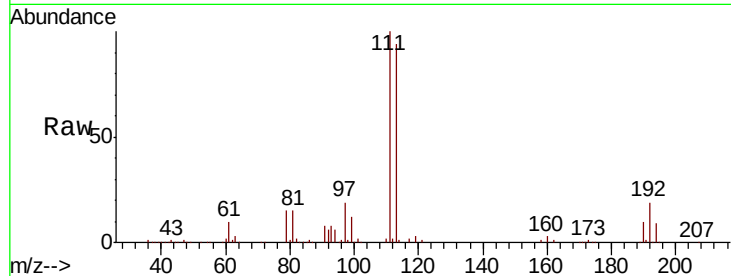




#35
 Dibromofluoromethane
 Concen: 53.768 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

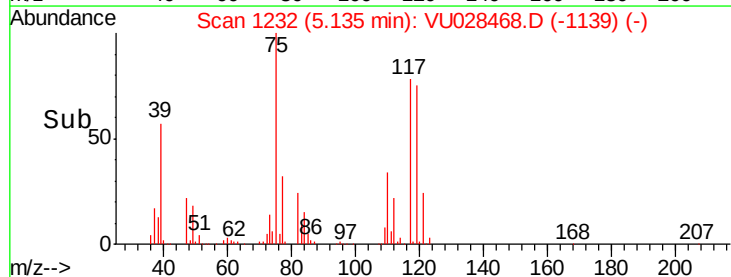
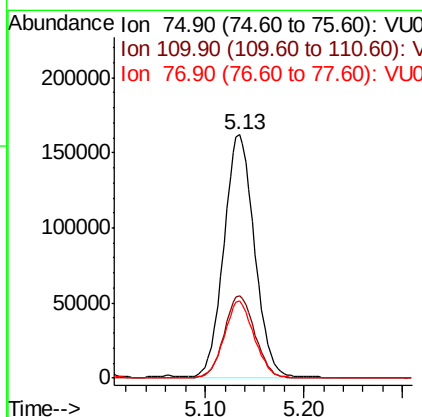
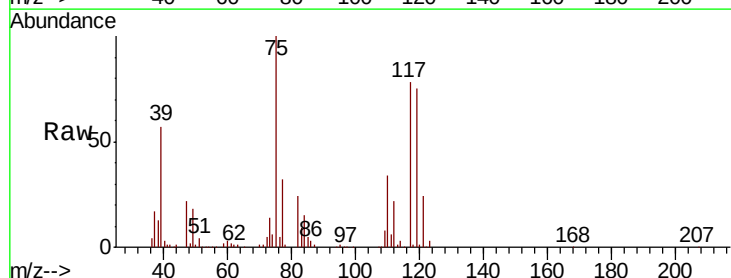
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

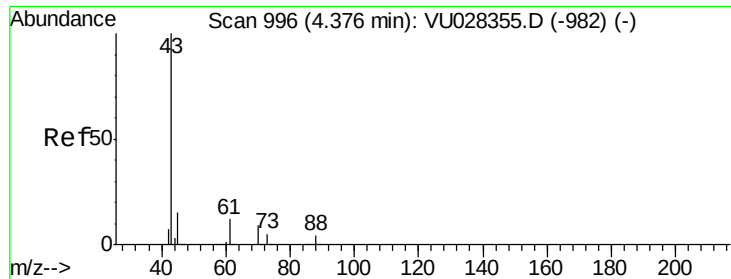
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.6	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 51.230 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	15.8	47.4
77	31.2	24.6	36.8

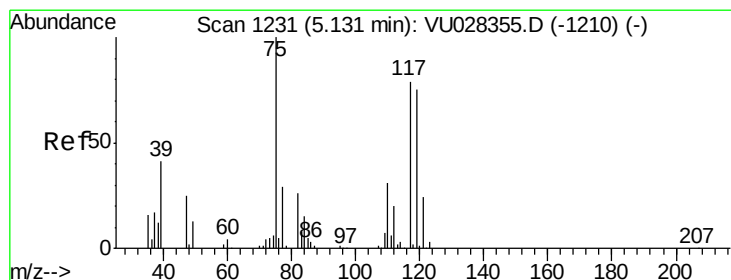
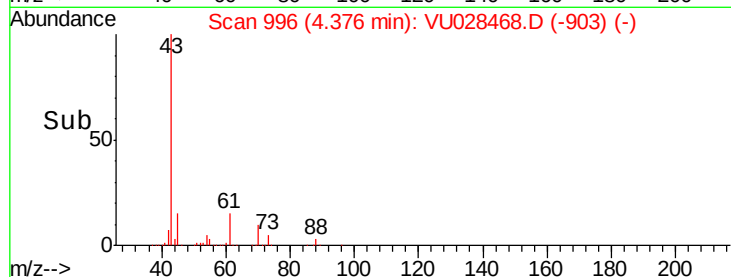
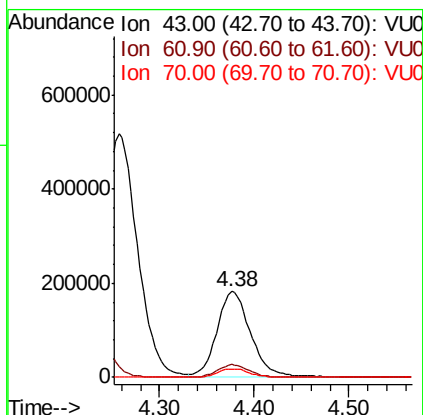
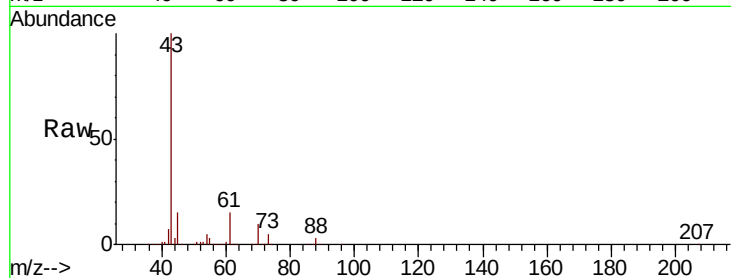




#37
Ethyl Acetate
Concen: 47.572 ug/l
RT: 4.38 min Scan# 996
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

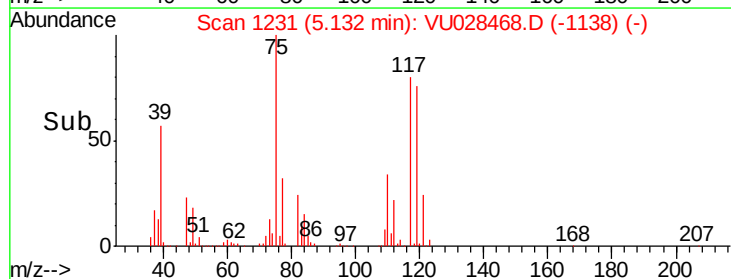
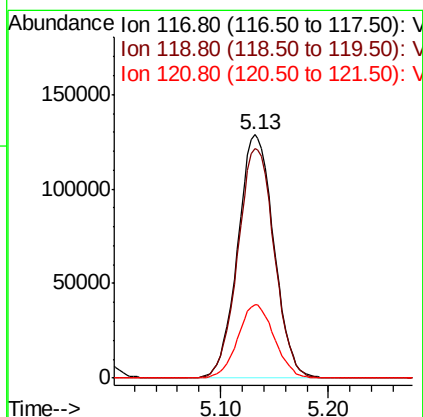
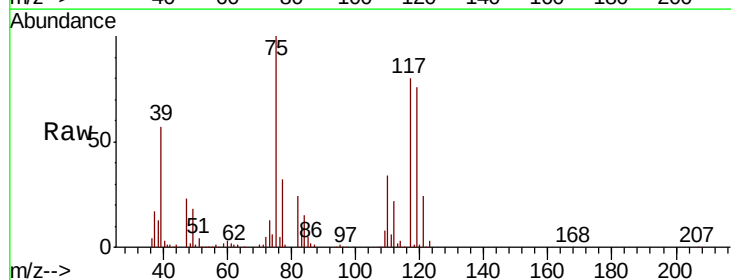
Instrument :
MSVOA_U
ClientSampleId :
BFB

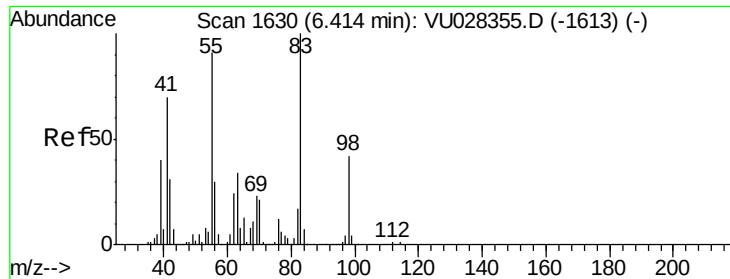
Tot Ion: 43 Resp: 443540
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.4
70 10.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 53.400 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 117 Resp: 300013
Ion Ratio Lower Upper
117 100
119 94.4 76.3 114.5
121 30.0 24.7 37.1

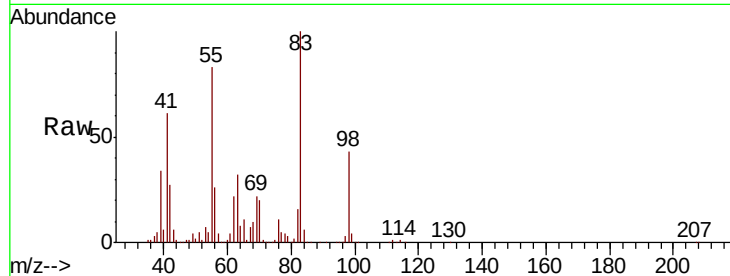




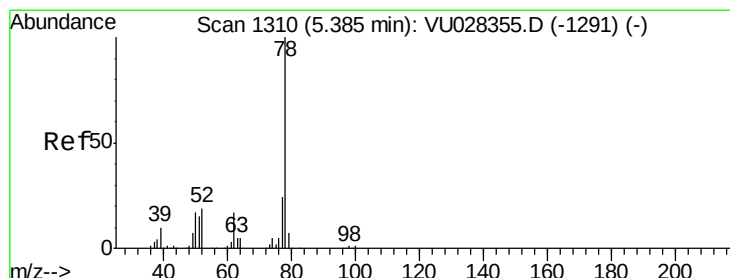
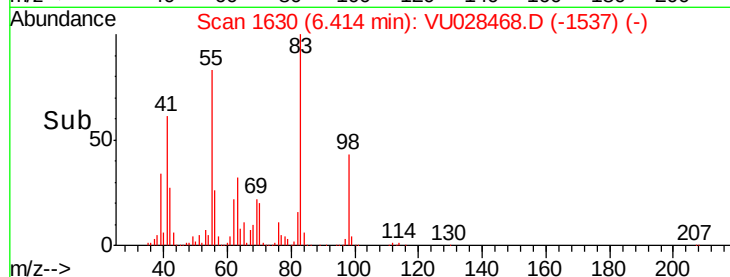
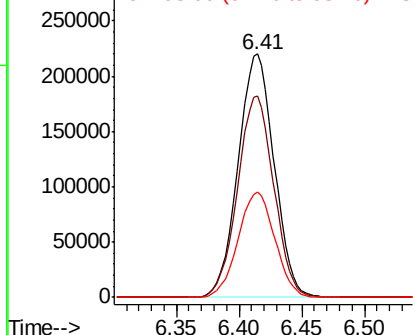
#39
Methylvlcyclohexane
Concen: 54.557 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampled :
BFB

Tot Ion: 83 Resp: 440078
Ion Ratio Lower Upper
83 100
55 82.5 73.1 109.7
98 43.4 33.9 50.9

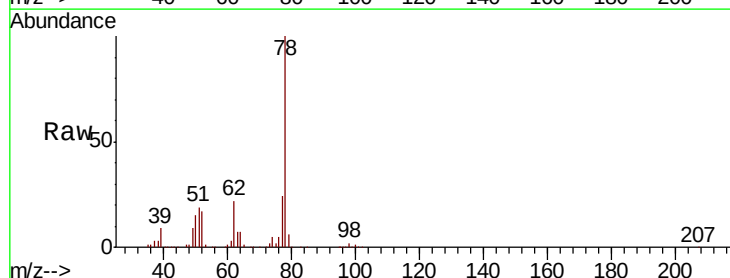


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

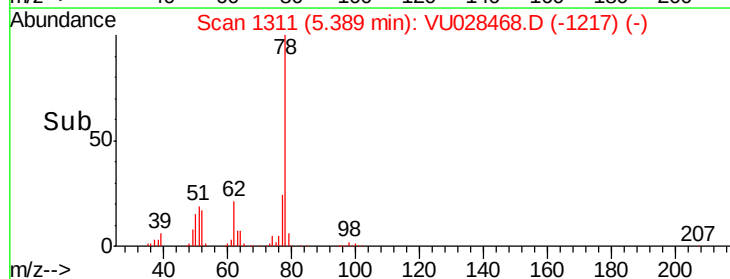
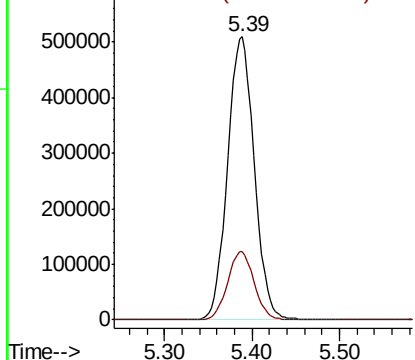


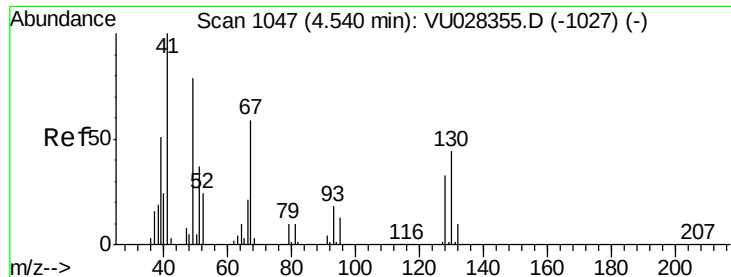
#40
Benzene
Concen: 53.357 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 78 Resp: 1081181
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

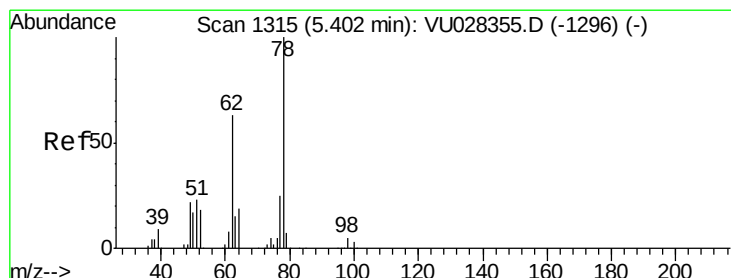
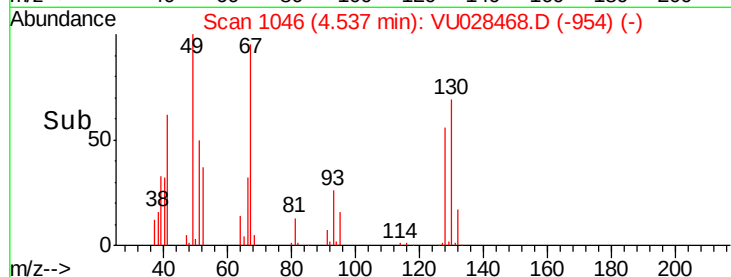
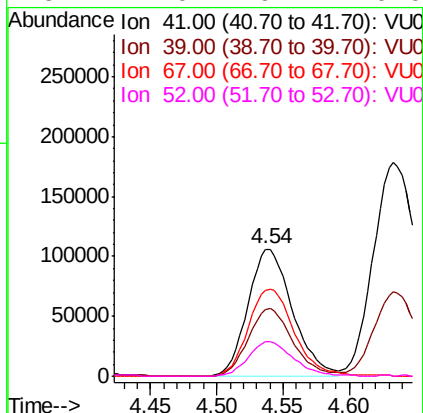
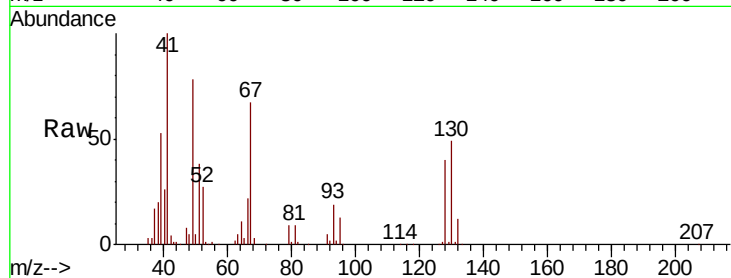




#41
Methacrylonitrile
Concen: 47.866 ug/l
RT: 4.54 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

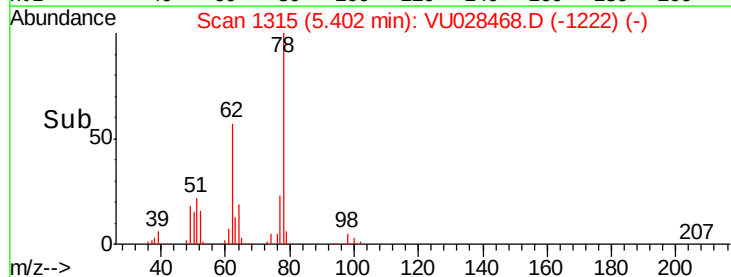
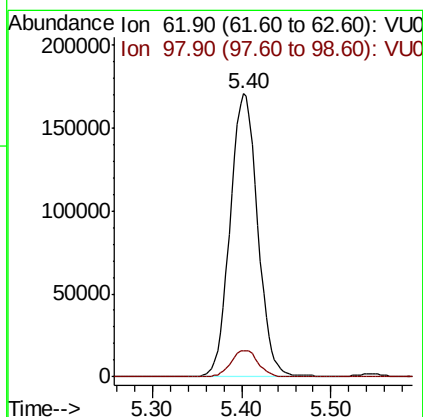
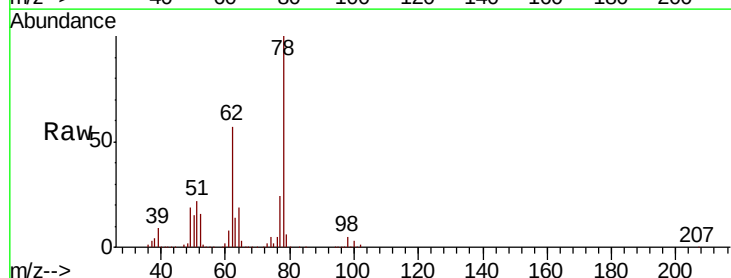
Instrument :
MSVOA_U
ClientSampleId :
BFB

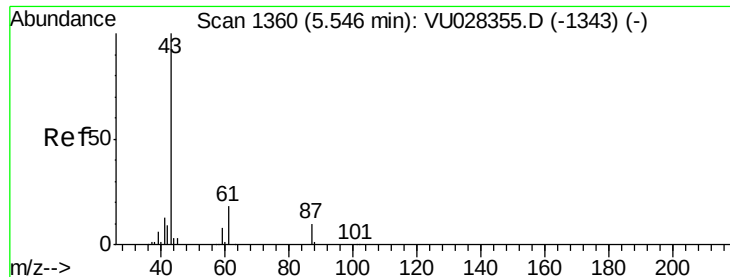
Tot Ion:	41	Resp:	247841
Ion	Ratio	Lower	Upper
41	100		
39	53.1	41.3	61.9
67	71.4	48.6	73.0
52	27.0	19.4	29.0



#42
1,2-Dichloroethane
Concen: 50.073 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:	62	Resp:	365523
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.4





#43

Isopropyl Acetate

Concen: 49.182 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

BFB

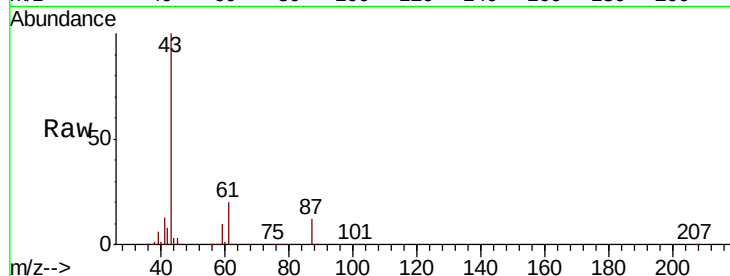
Tot Ion: 43 Resp: 726642

Ion Ratio Lower Upper

43 100

61 20.1 14.5 21.7

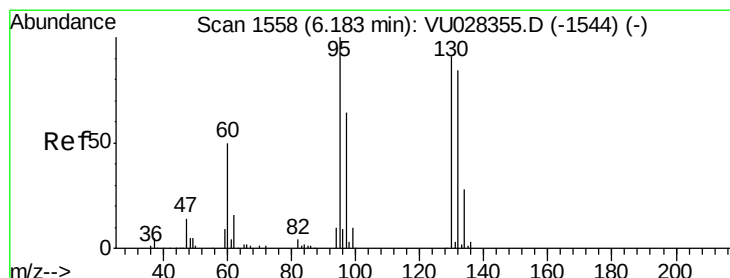
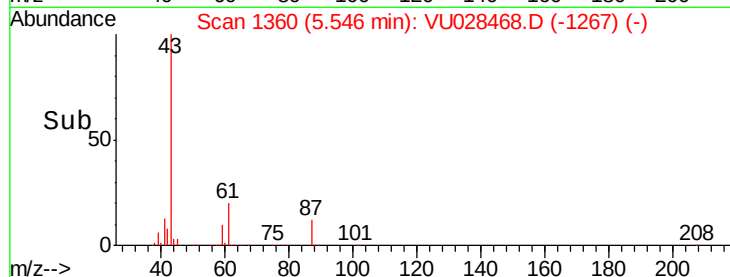
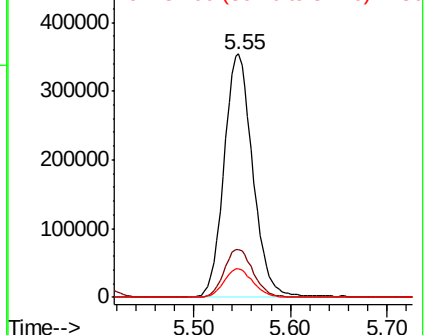
87 11.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028355.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-1343) (-)



#44

Trichloroethene

Concen: 58.138 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028468.D

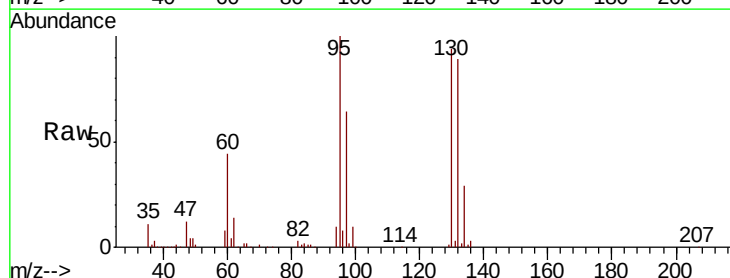
Acq: 05 Dec 2018 09:55

Tgt Ion:130 Resp: 252521

Ion Ratio Lower Upper

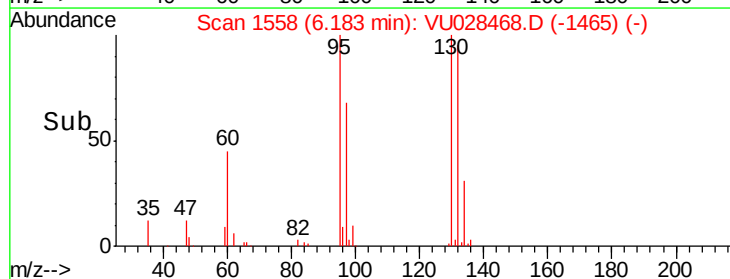
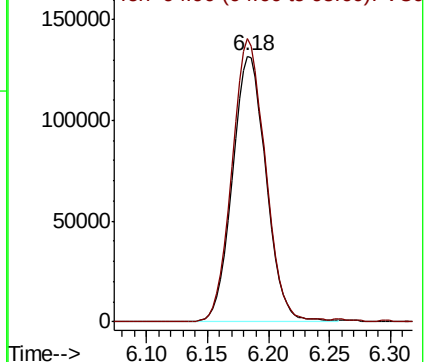
130 100

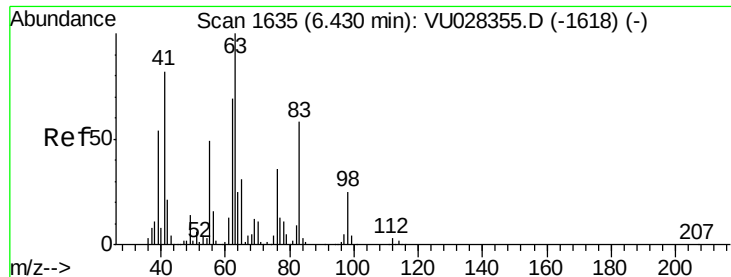
95 106.6 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)

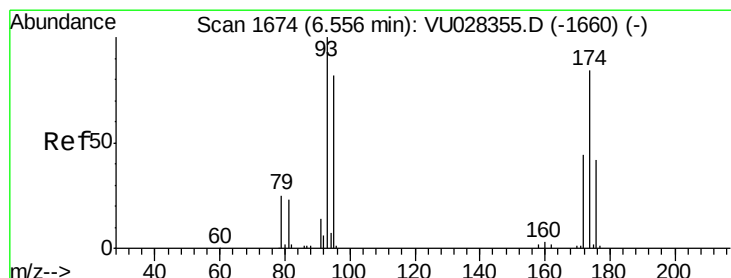
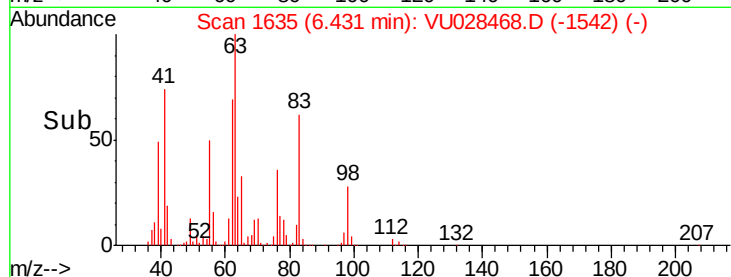
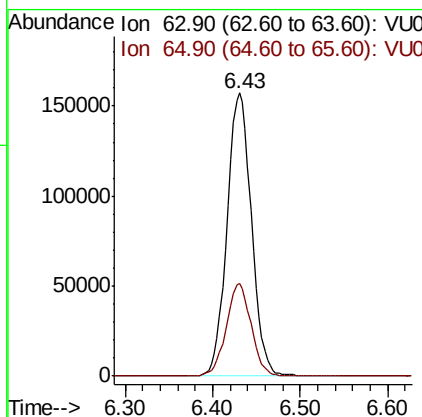
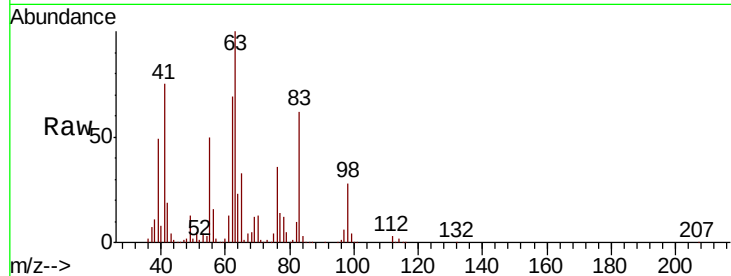




#45
 1,2-Dichloropropane
 Concen: 51.404 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

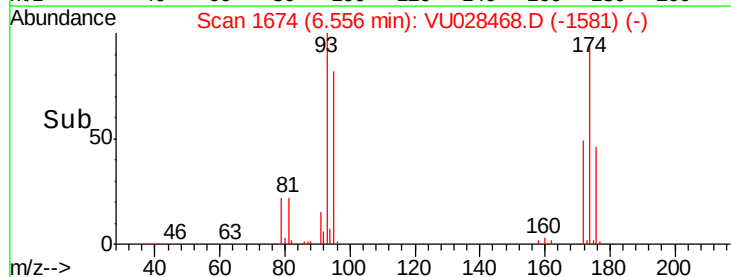
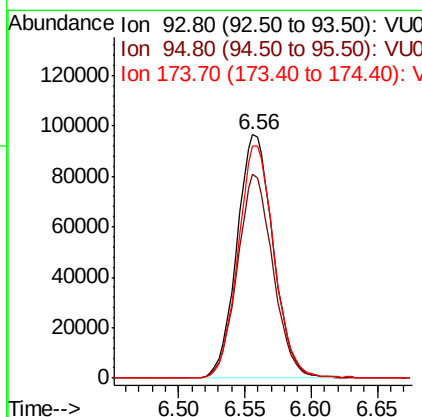
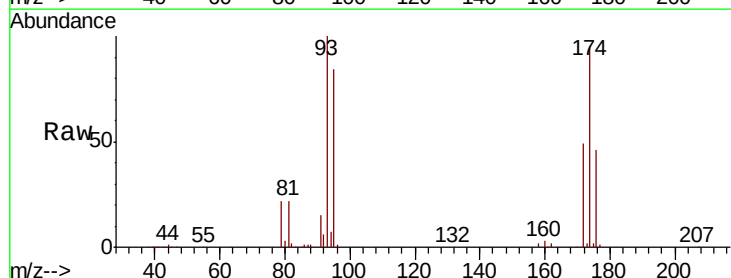
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

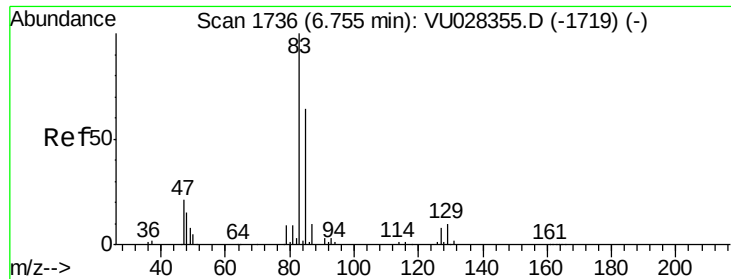
Tot Ion: 63 Resp: 305028
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.1 37.7



#46
 Dibromomethane
 Concen: 53.895 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 93 Resp: 183700
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.1 97.7
 174 95.1 69.9 104.9

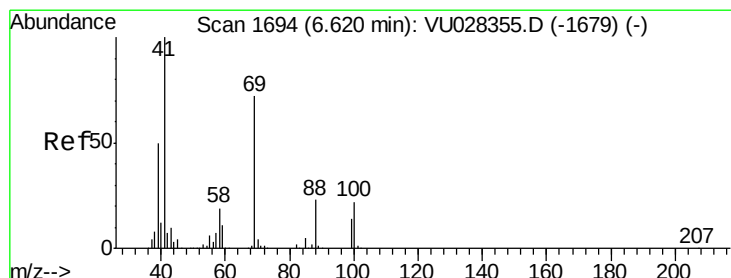
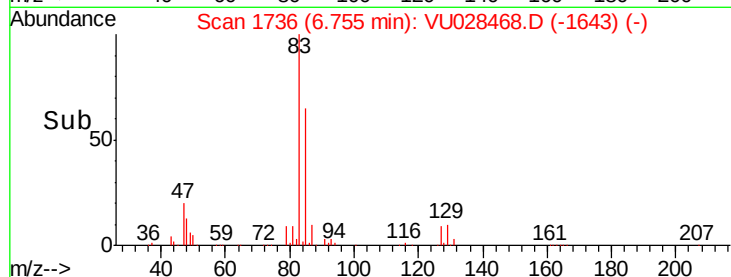
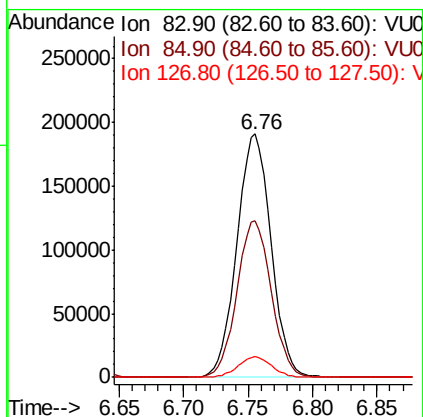
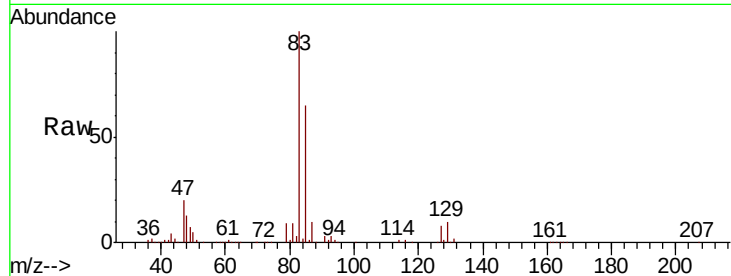




#47
Bromodichloromethane
Concen: 52.012 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

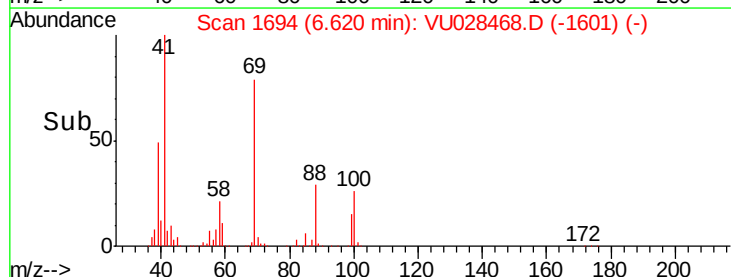
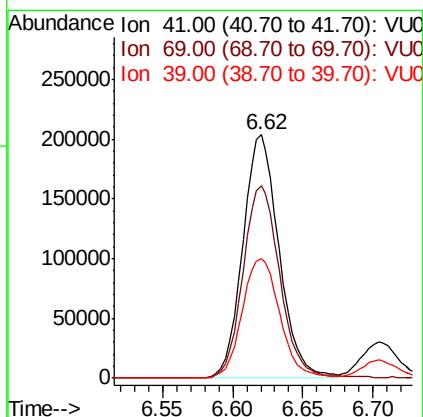
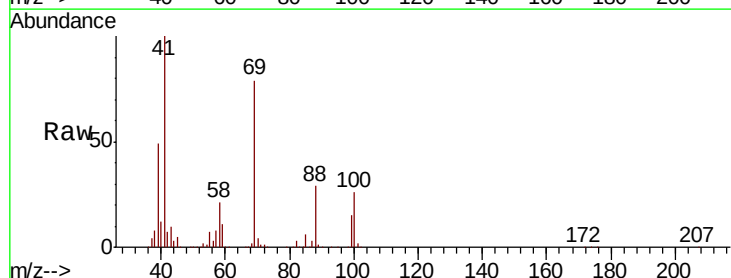
Instrument :
MSVOA_U
ClientSampleId :
BFB

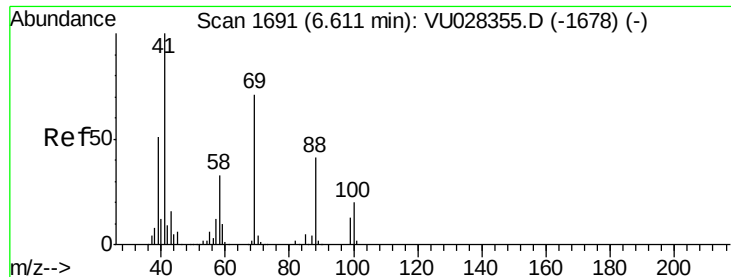
Tot Ion: 83 Resp: 352620
Ion Ratio Lower Upper
83 100
85 64.6 50.9 76.3
127 8.5 6.2 9.4



#48
Methyl methacrylate
Concen: 47.513 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 41 Resp: 365665
Ion Ratio Lower Upper
41 100
69 80.9 59.0 88.4
39 50.8 40.5 60.7

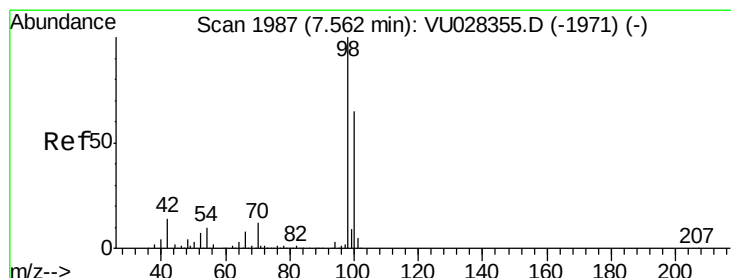
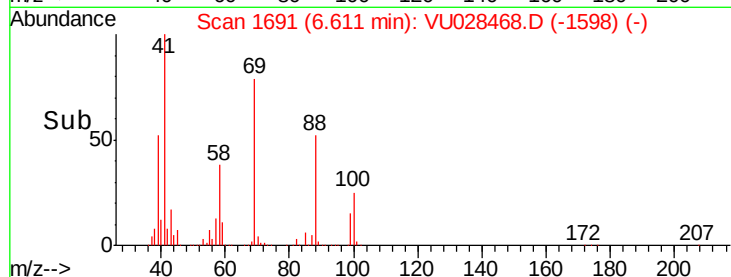
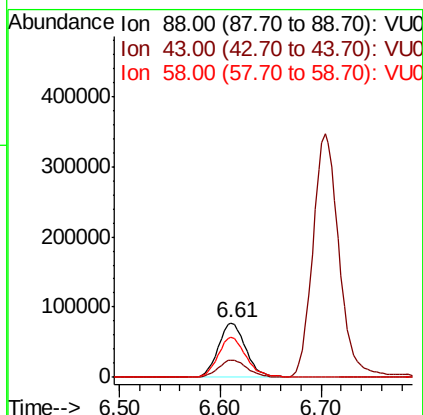
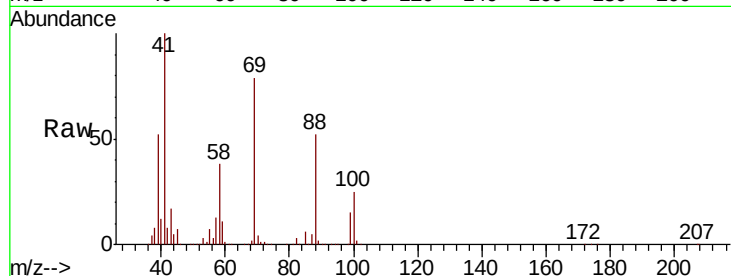




#49
1,4-Dioxane
Concen: 1187.184 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

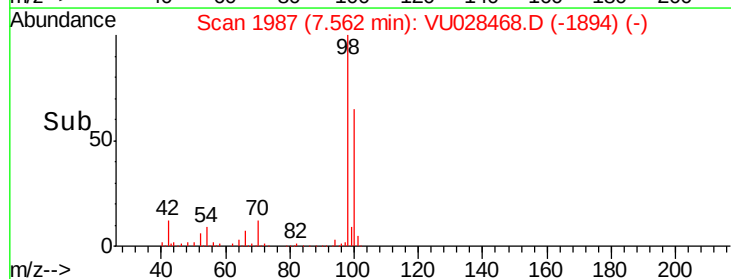
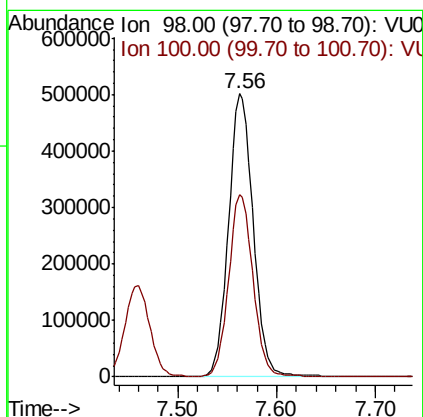
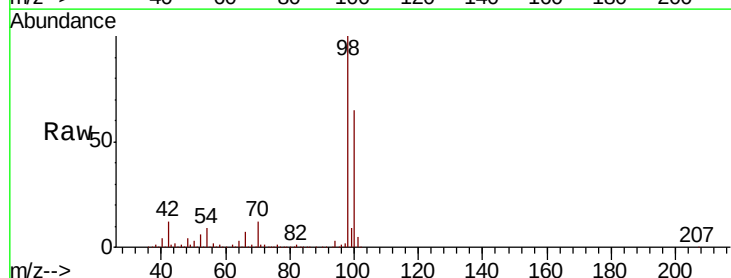
Instrument :
MSVOA_U
ClientSampleId :
BFB

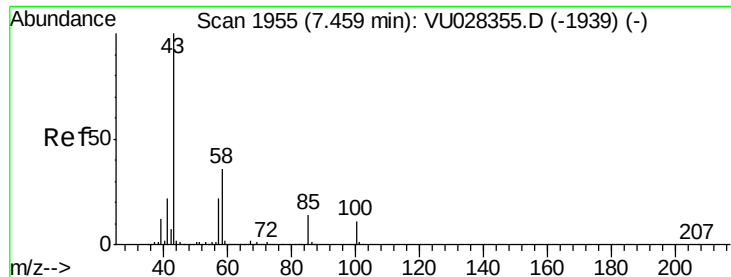
Tot Ion: 88 Resp: 145961
Ion Ratio Lower Upper
88 100
43 33.7 32.6 48.8
58 75.8 68.7 103.1



#50
Toluene-d8
Concen: 52.893 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 98 Resp: 879430
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2

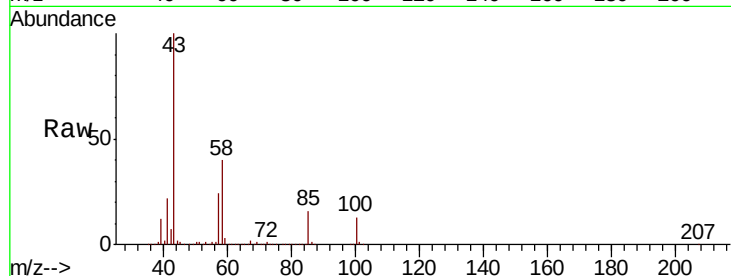




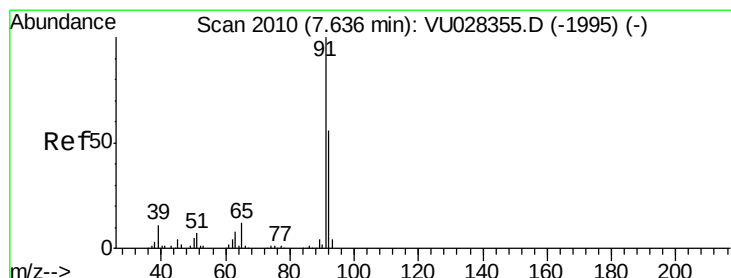
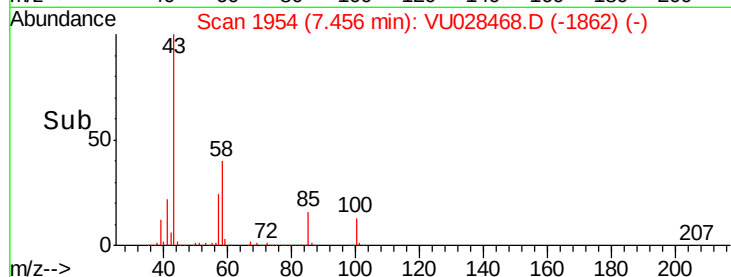
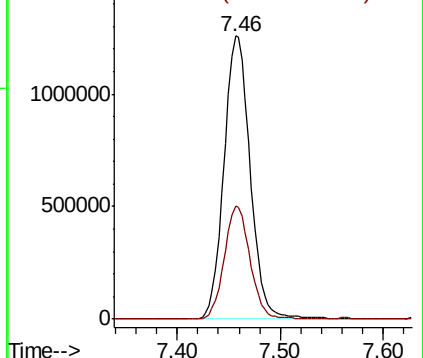
#51
 4-Methyl-2-Pentanone
 Concen: 236.375 ug/l
 RT: 7.46 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Tot Ion: 43 Resp: 2230510
 Ion Ratio Lower Upper
 43 100
 58 39.3 28.8 43.2

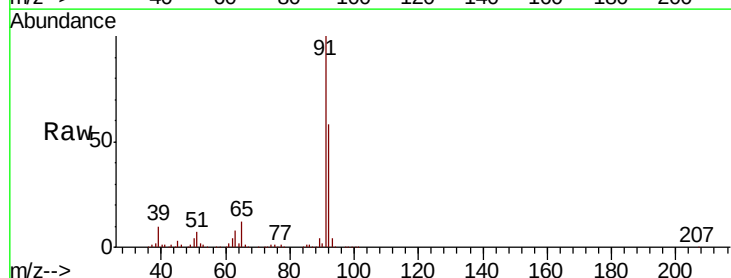


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

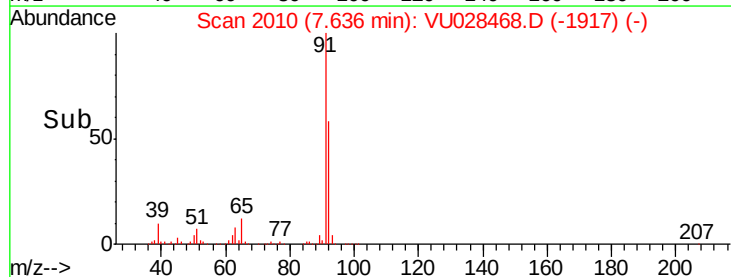
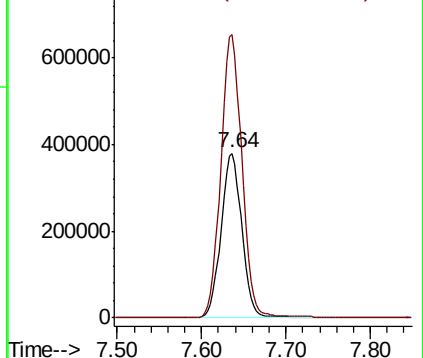


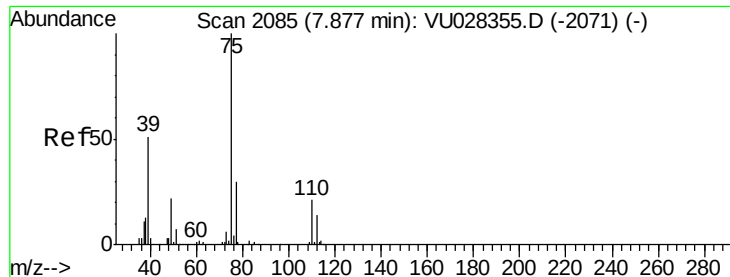
#52
 Toluene
 Concen: 55.984 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 92 Resp: 653249
 Ion Ratio Lower Upper
 92 100
 91 175.0 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0
 Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 52.828 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

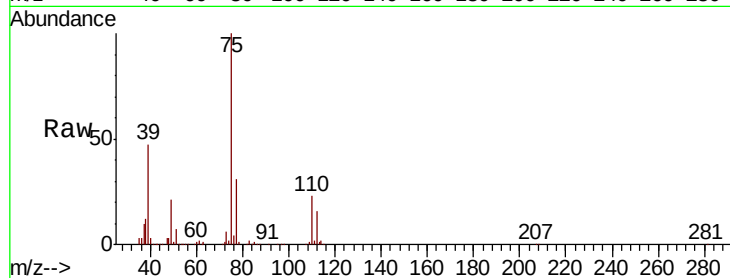
BFB

Tot Ion: 75 Resp: 428268

Ion Ratio Lower Upper

75 100

77 31.1 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-2071) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-2071) (-)

7.88

250000

200000

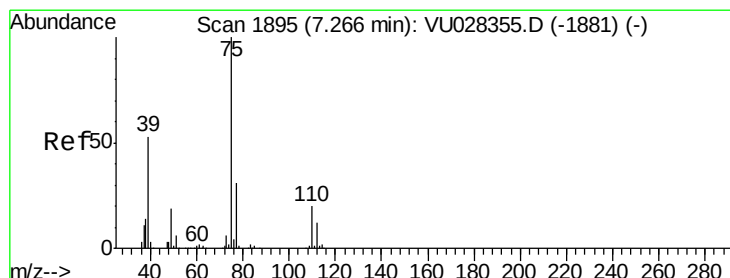
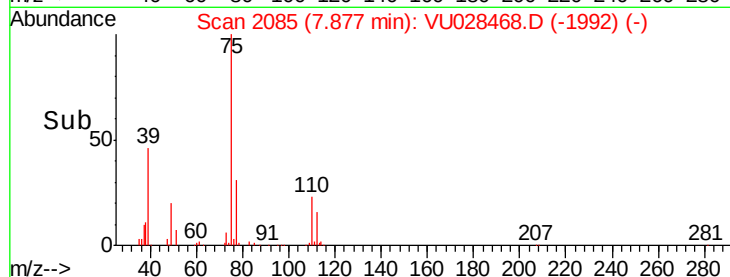
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.291 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

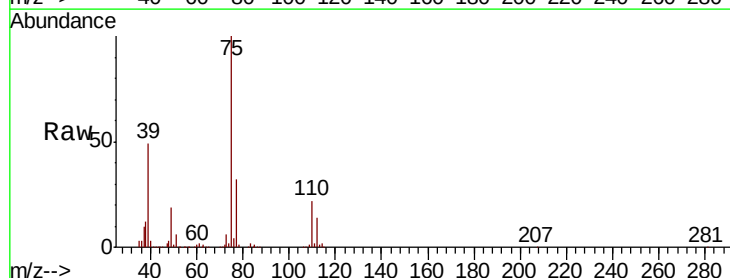
Tgt Ion: 75 Resp: 454146

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

39 49.1 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1881) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1881) (-)

Ion 39.00 (38.70 to 39.70): VU028355.D (-1881) (-)

7.27

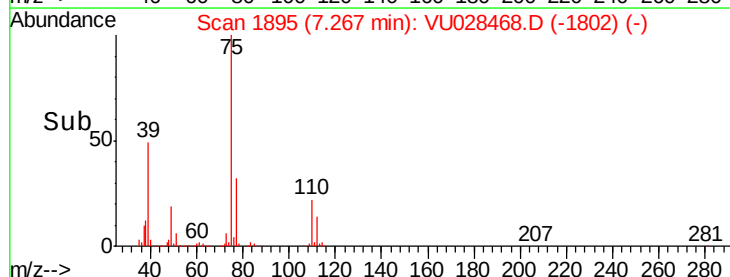
300000

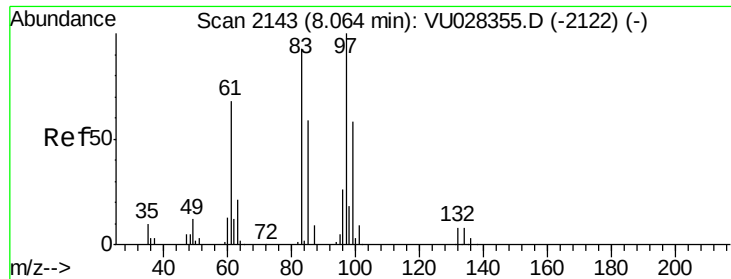
200000

100000

0

Time-->

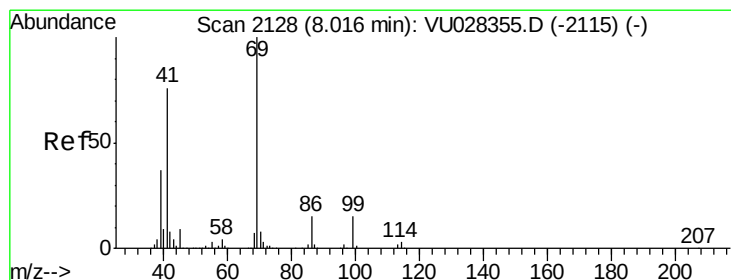
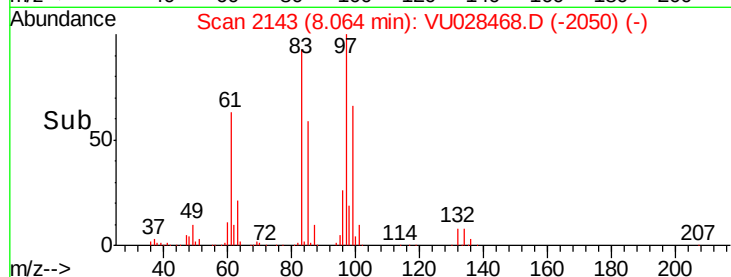
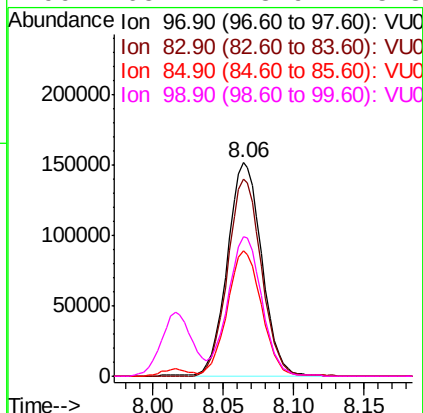
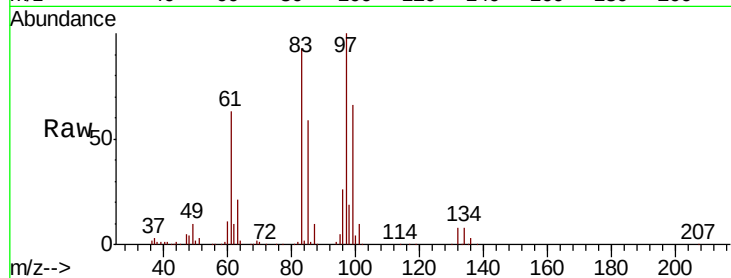




#55
 1,1,2-Trichloroethane
 Concen: 53.186 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

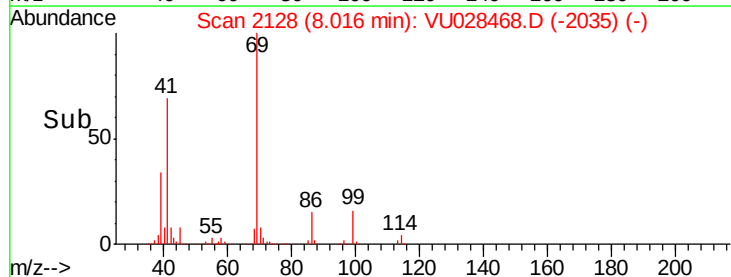
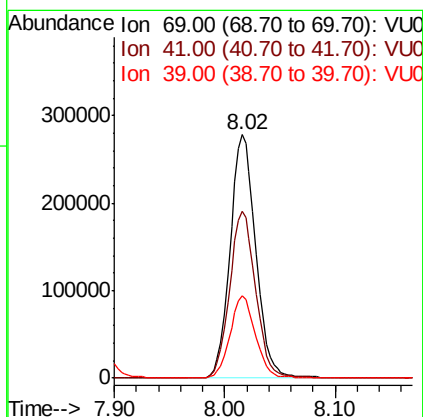
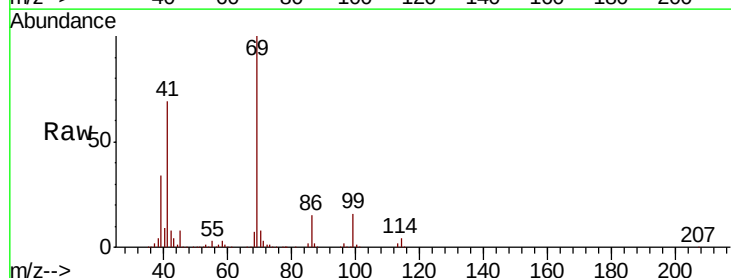
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

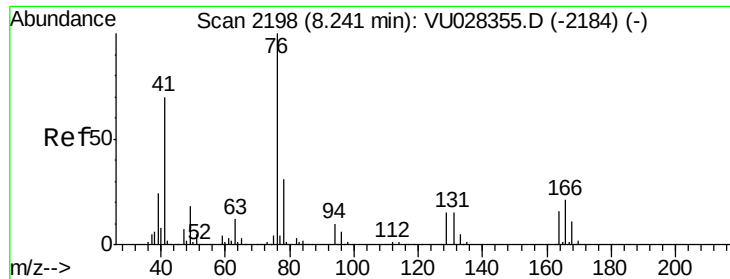
Tot Ion:	97	Resp:	258285
Ion	Ratio	Lower	Upper
97	100		
83	92.6	74.3	111.5
85	58.7	47.2	70.8
99	65.4	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 54.225 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion:	69	Resp:	447984
Ion	Ratio	Lower	Upper
69	100		
41	69.3	60.0	90.0
39	33.2	29.0	43.6

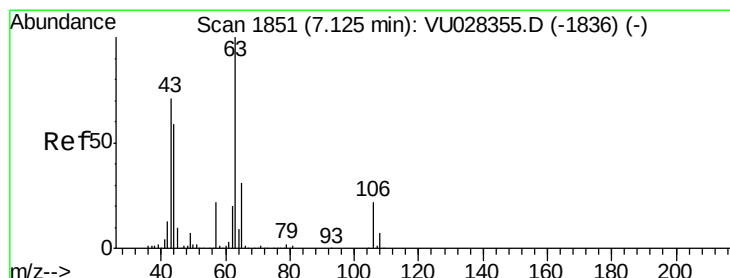
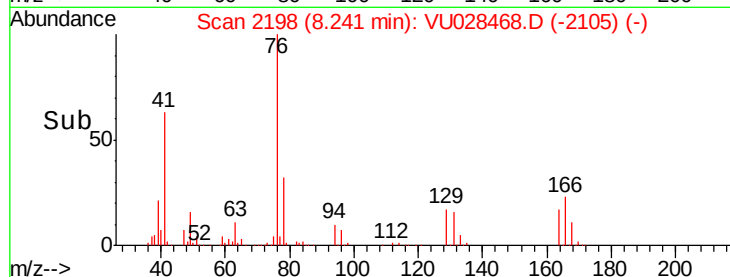
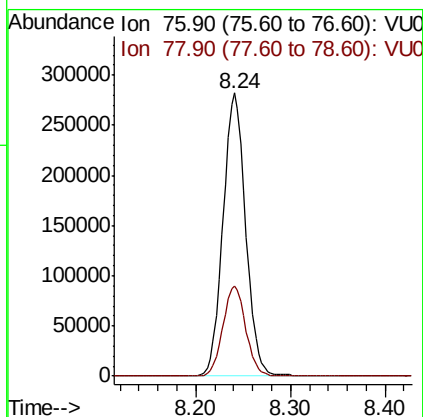
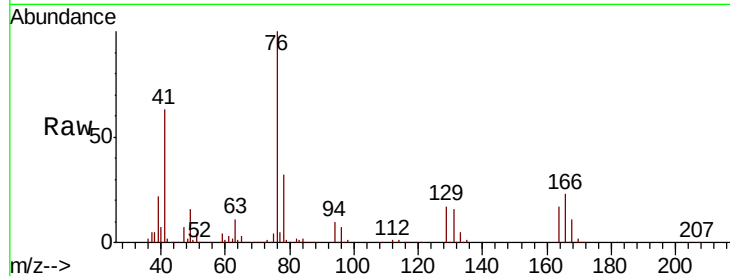




#57
 1,3-Dichloropropane
 Concen: 52.586 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

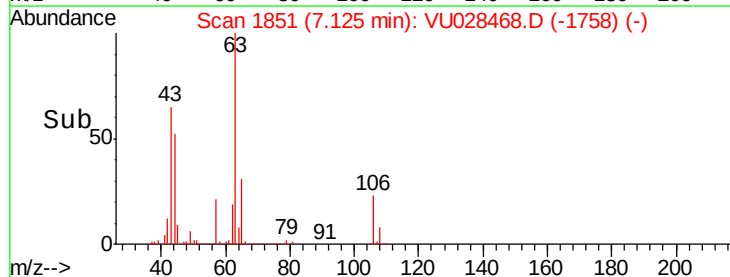
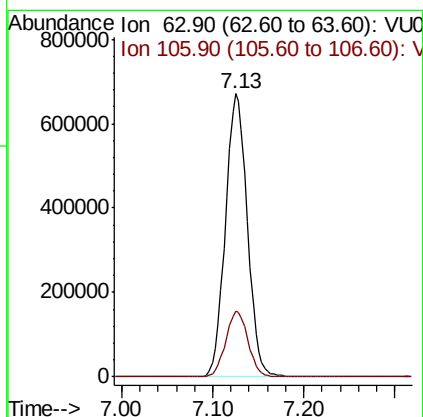
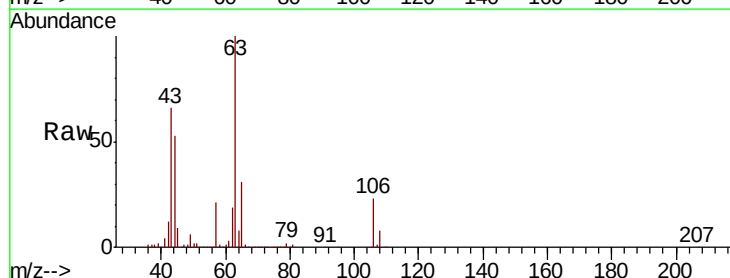
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

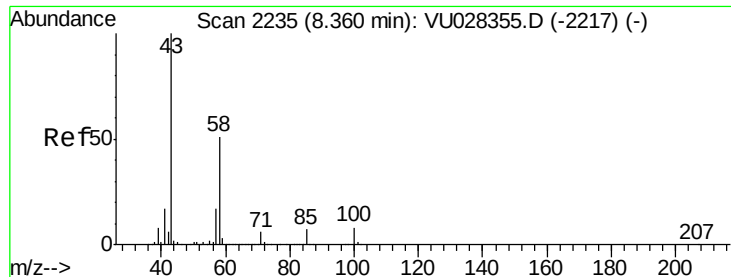
Tot Ion: 76 Resp: 468316
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.295 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 63 Resp: 1123502
 Ion Ratio Lower Upper
 63 100
 106 23.5 17.3 25.9

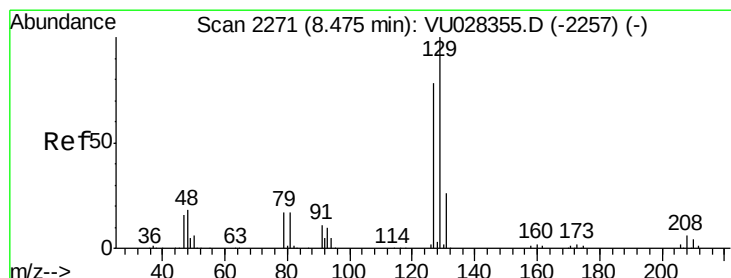
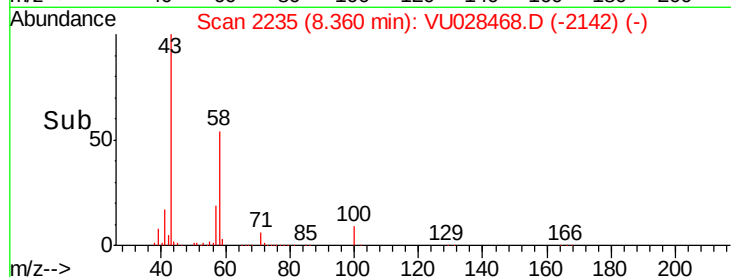
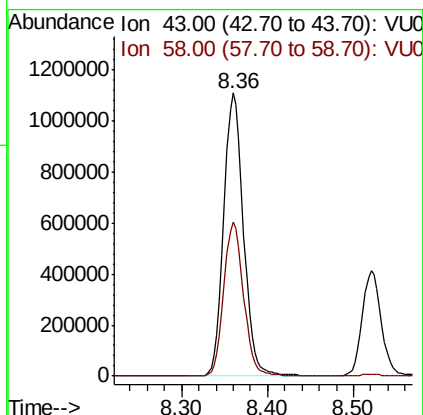
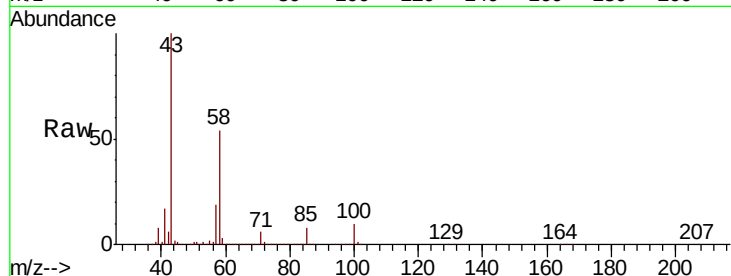




#59
2-Hexanone
Concen: 244.070 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

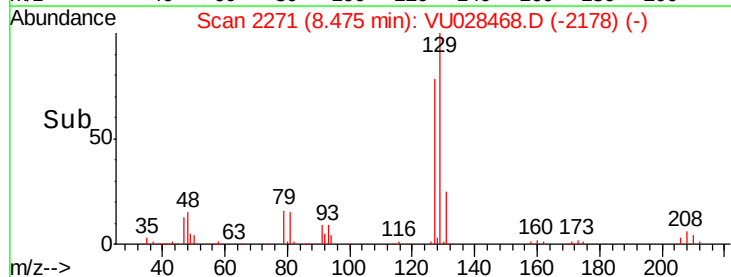
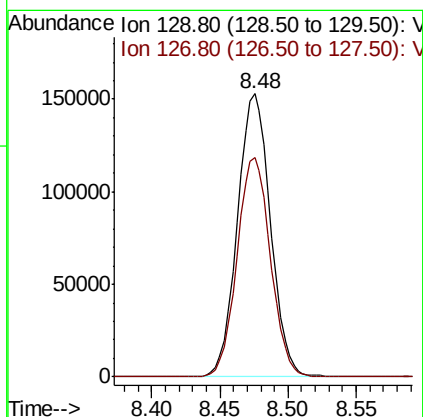
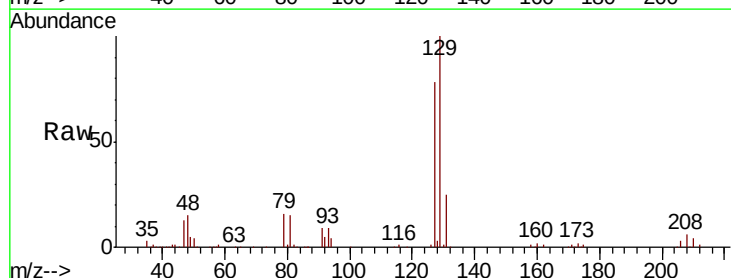
Instrument :
MSVOA_U
ClientSampled :
BFB

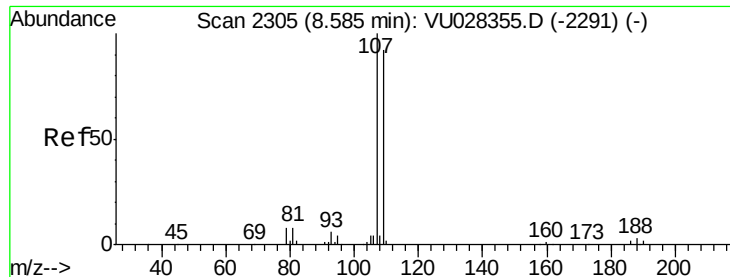
Tot Ion: 43 Resp: 1784002
Ion Ratio Lower Upper
43 100
58 54.5 25.5 76.5



#60
Dibromochloromethane
Concen: 55.695 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 129 Resp: 257235
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

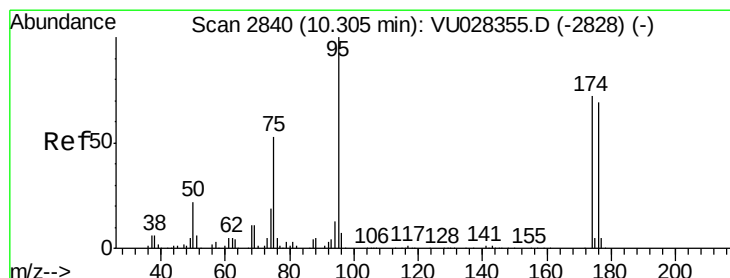
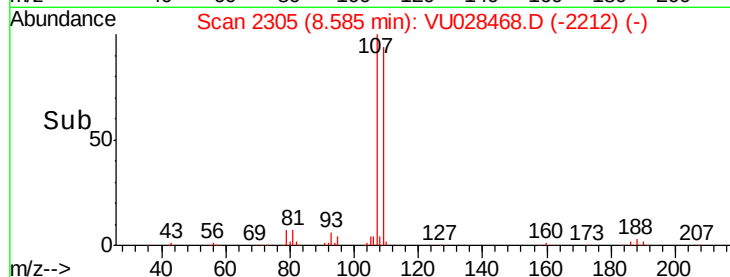
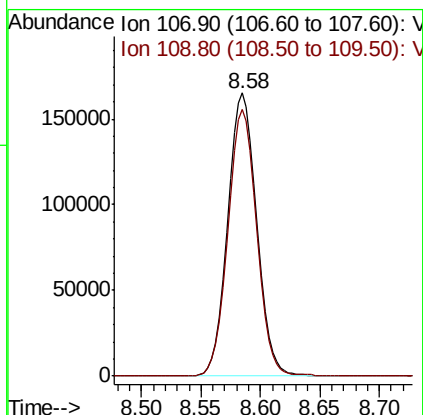
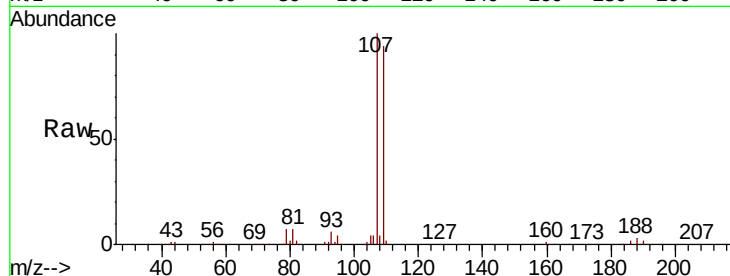




#61
 1,2-Dibromoethane
 Concen: 55.984 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

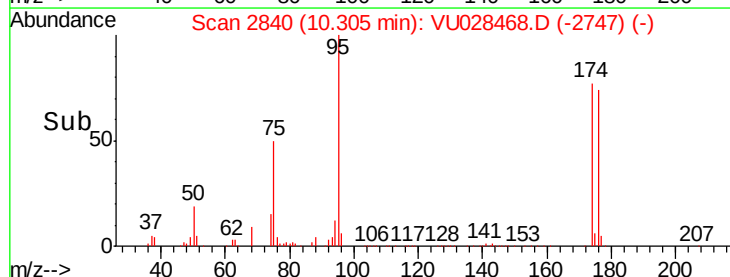
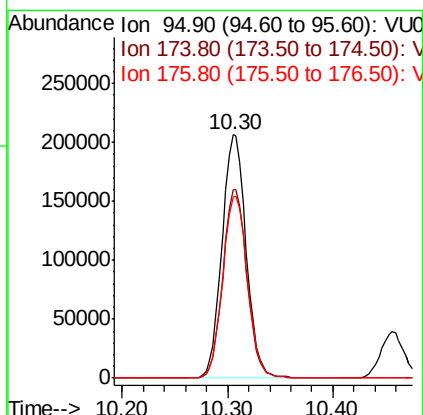
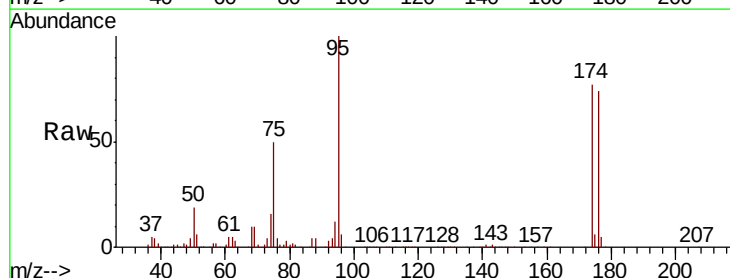
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

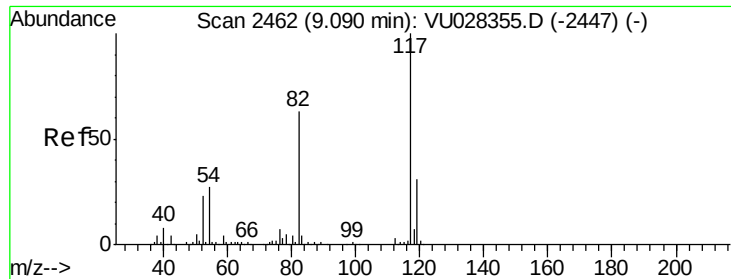
Tot Ion: 107 Resp: 278451
 Ion Ratio Lower Upper
 107 100
 109 93.5 73.2 109.8



#62
 4-Bromofluorobenzene
 Concen: 54.511 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 95 Resp: 326671
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 145.4
 176 76.3 0.0 140.8

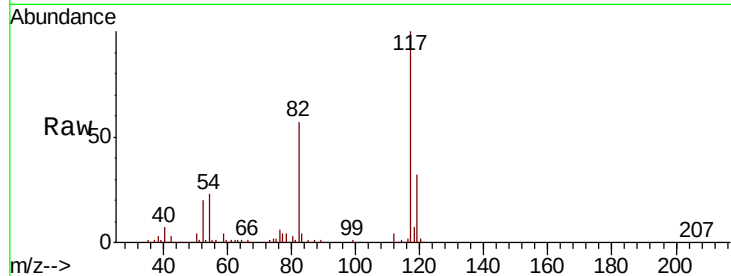




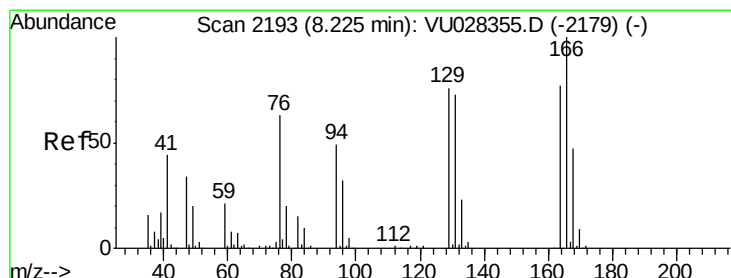
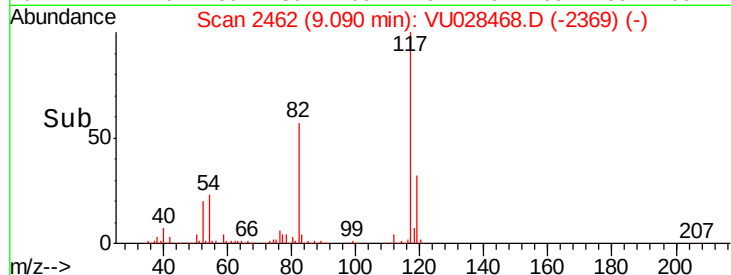
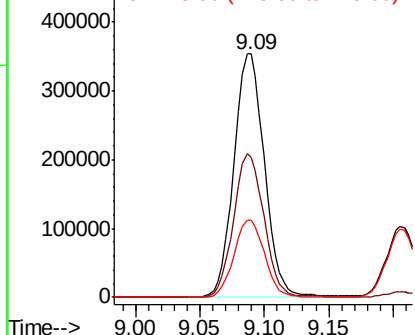
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tot Ion:117 Resp: 585580
Ion Ratio Lower Upper
117 100
82 57.5 50.3 75.5
119 31.6 24.8 37.2

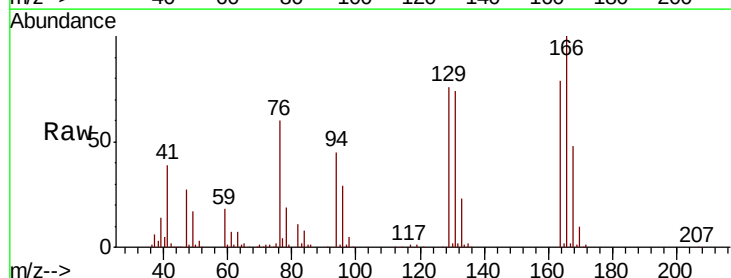


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

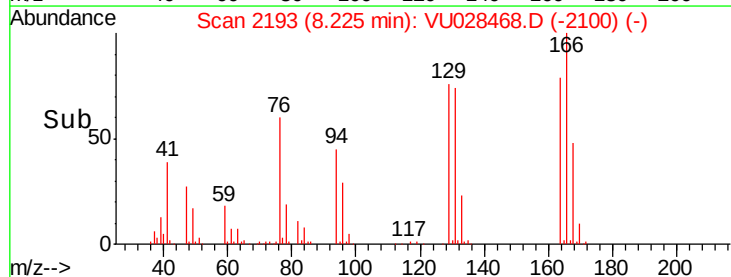
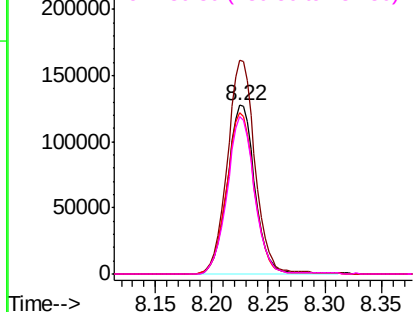


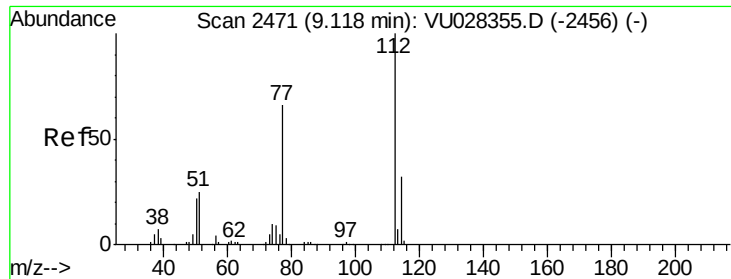
#64
Tetrachloroethene
Concen: 56.015 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:164 Resp: 215764
Ion Ratio Lower Upper
164 100
166 126.8 104.0 156.0
129 96.0 79.2 118.8
131 93.2 75.7 113.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

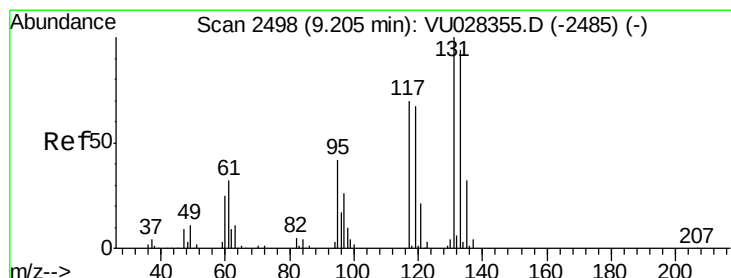
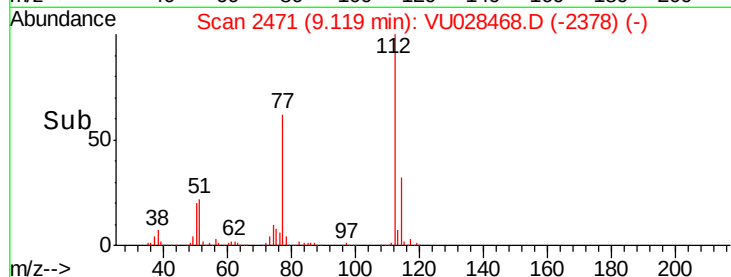
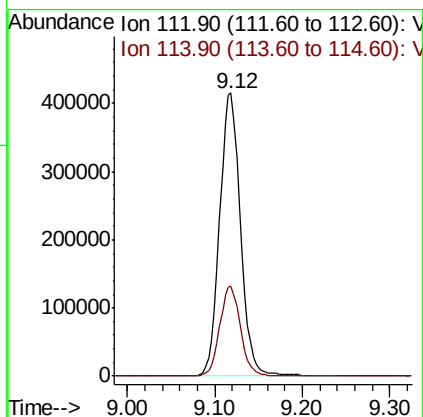
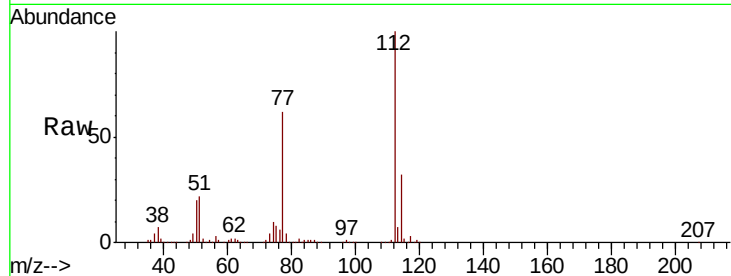




#65
Chlorobenzene
Concen: 56.585 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

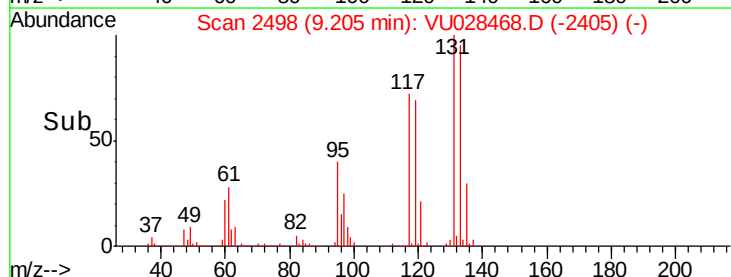
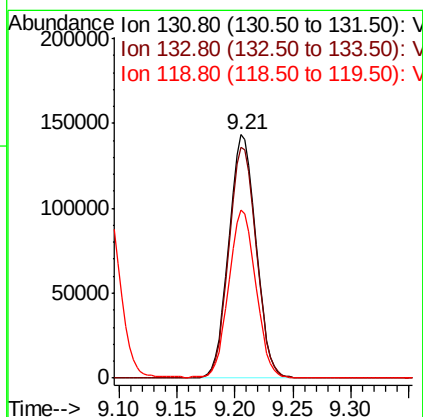
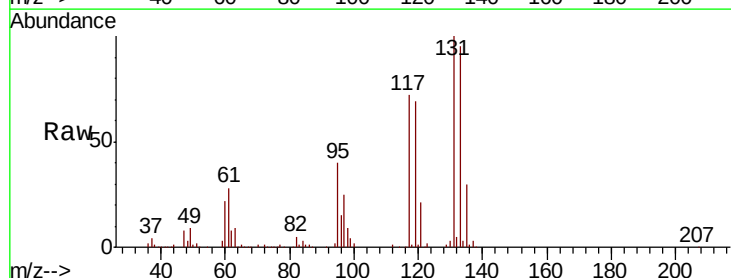
Instrument :
MSVOA_U
ClientSampleId :
BFB

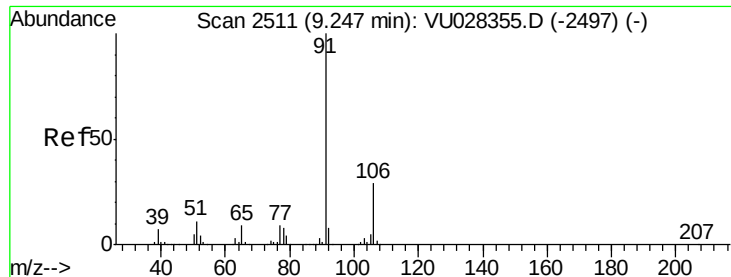
Tot Ion:112 Resp: 688023
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 55.693 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:131 Resp: 232119
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 68.5 34.1 102.2

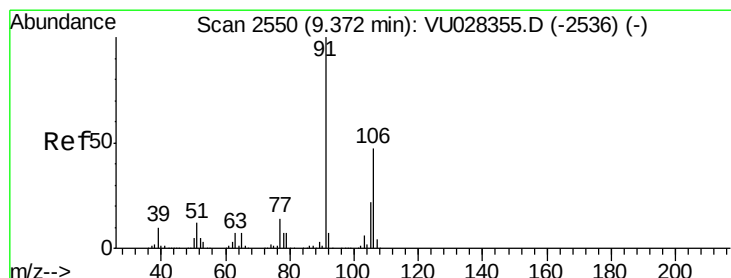
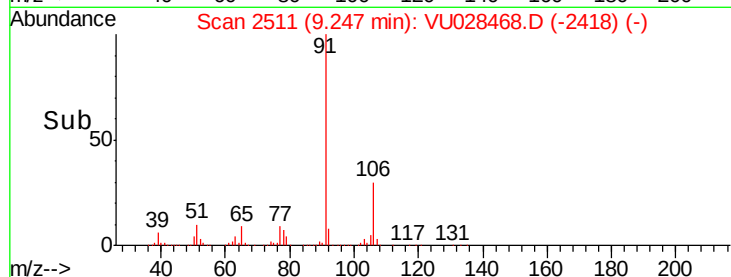
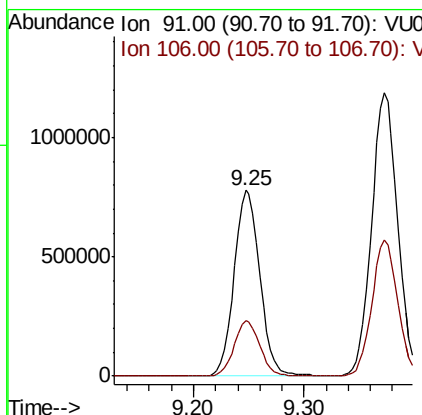
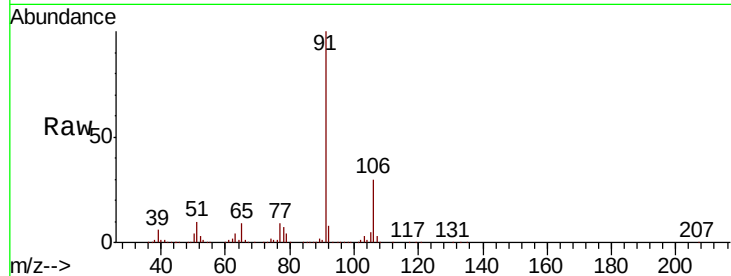




#67
Ethyl Benzene
Concen: 55.093 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

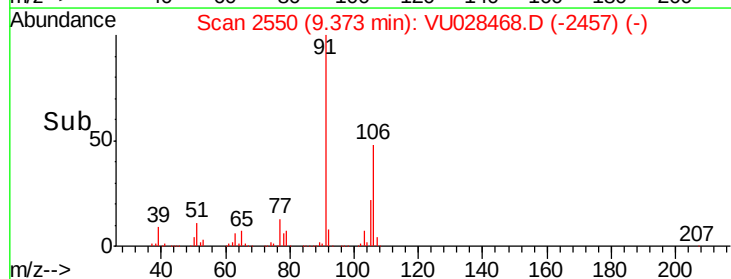
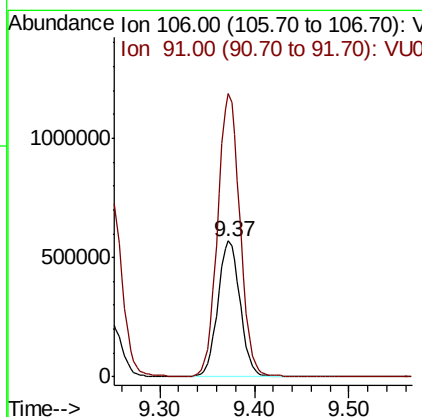
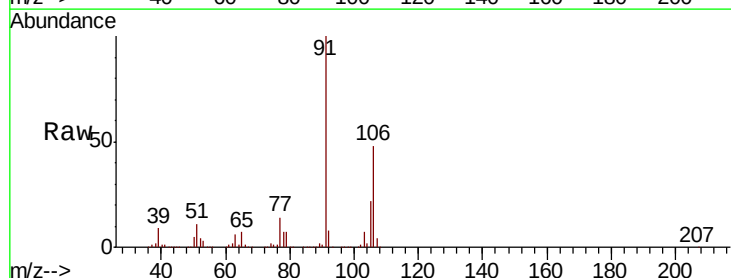
Instrument :
MSVOA_U
ClientSampleId :
BFB

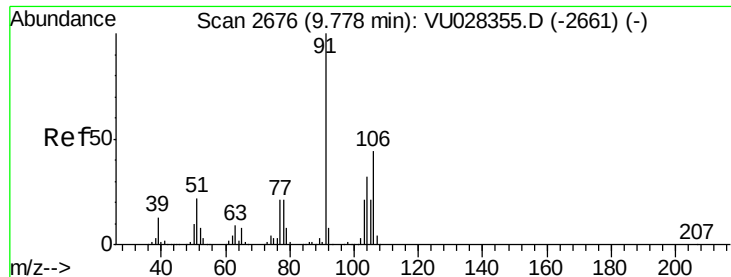
Tot Ion: 91 Resp: 1261681
Ion Ratio Lower Upper
91 100
106 29.6 23.3 34.9



#68
m/p-Xylenes
Concen: 112.913 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 106 Resp: 930717
Ion Ratio Lower Upper
106 100
91 209.3 171.0 256.6

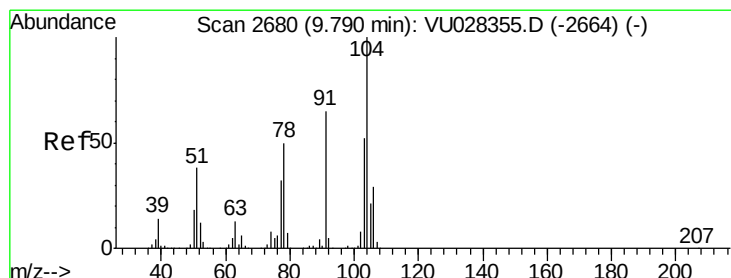
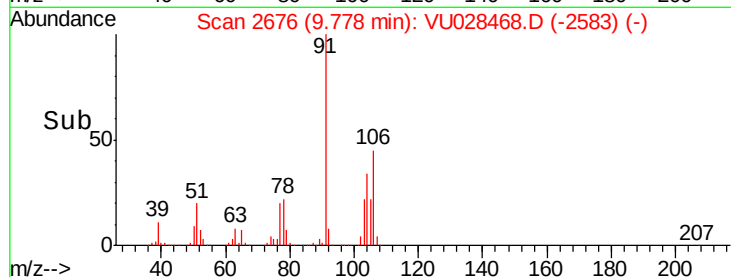
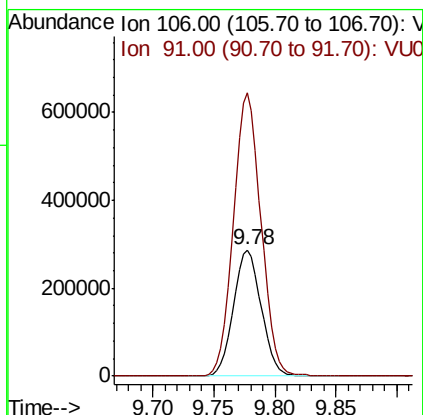
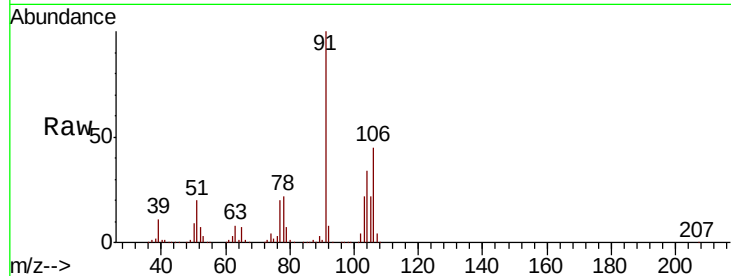




#69
o-Xylene
Concen: 55.400 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

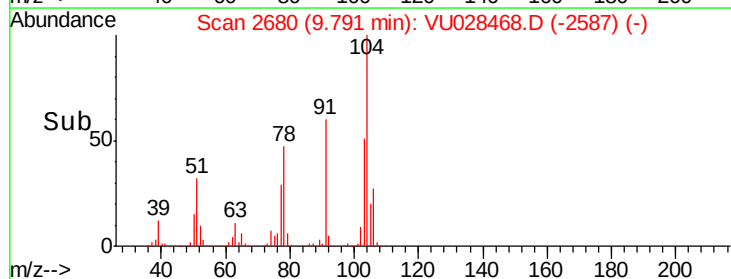
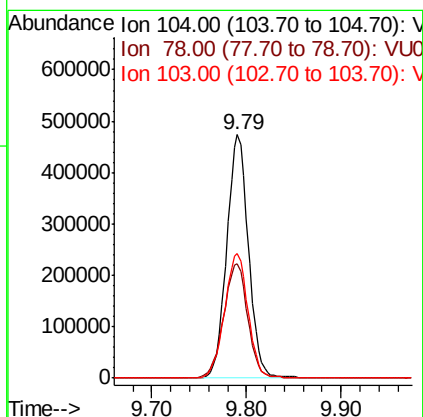
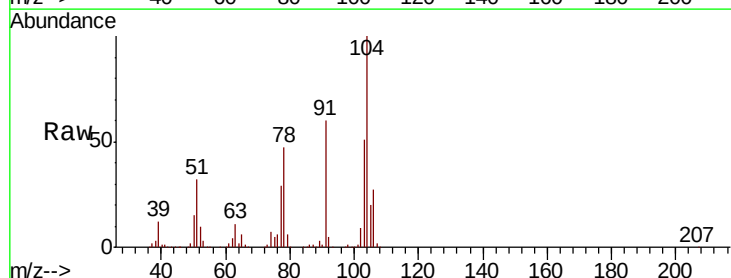
Instrument :
MSVOA_U
ClientSampled :
BFB

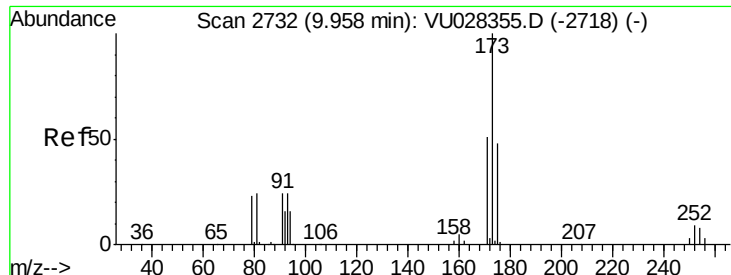
Tot Ion:106 Resp: 453956
Ion Ratio Lower Upper
106 100
91 223.0 112.7 338.0



#70
Styrene
Concen: 57.309 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:104 Resp: 757353
Ion Ratio Lower Upper
104 100
78 52.1 43.3 64.9
103 55.3 44.8 67.2





#71

Bromoform

Concen: 57.108 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

BFB

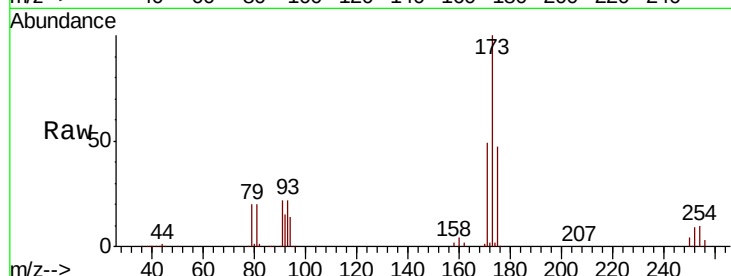
Tot Ion:173 Resp: 200059

Ion Ratio Lower Upper

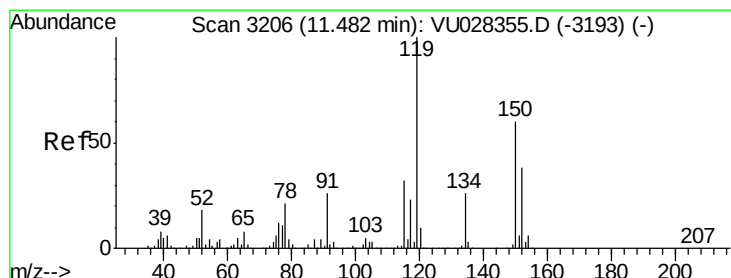
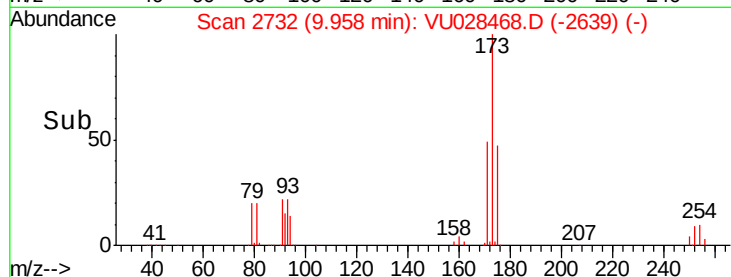
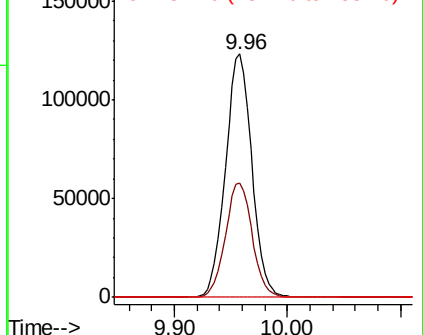
173 100

175 47.7 24.1 72.4

254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

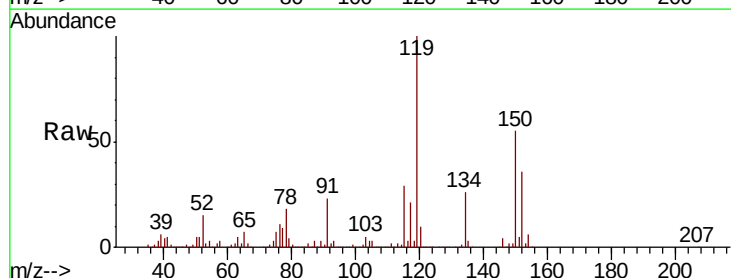
Tgt Ion:152 Resp: 288856

Ion Ratio Lower Upper

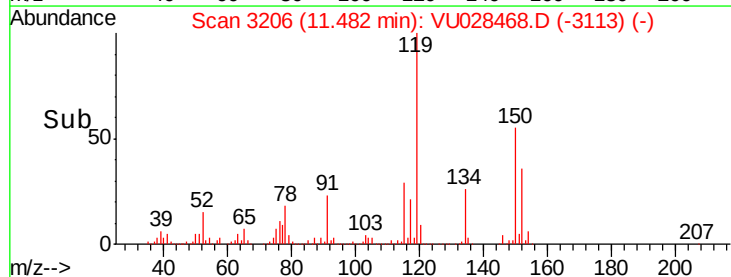
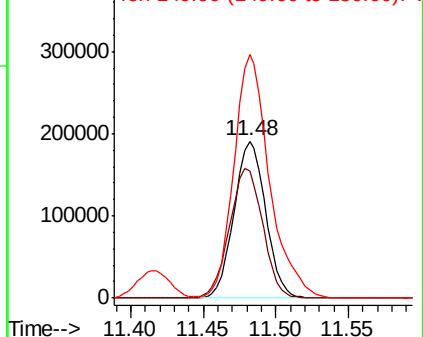
152 100

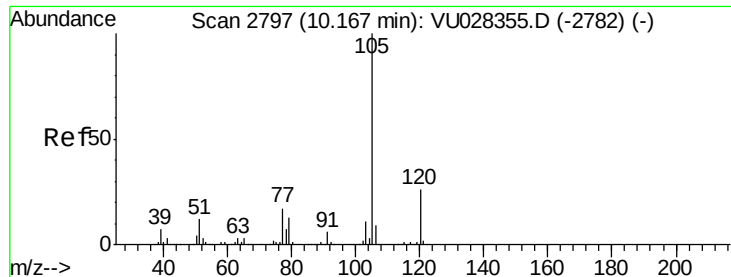
115 87.0 45.0 134.8

150 174.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.858 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

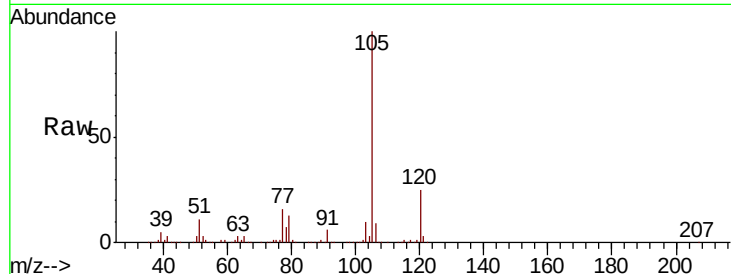
BFB

Tot Ion:105 Resp: 1209965

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

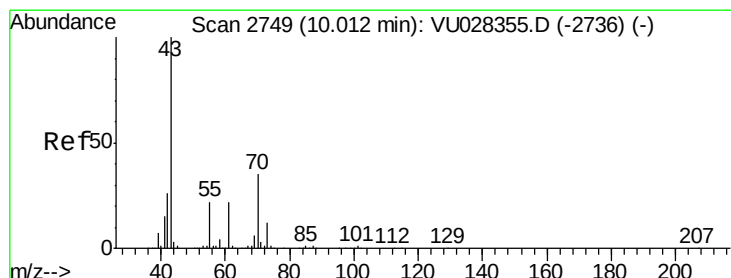
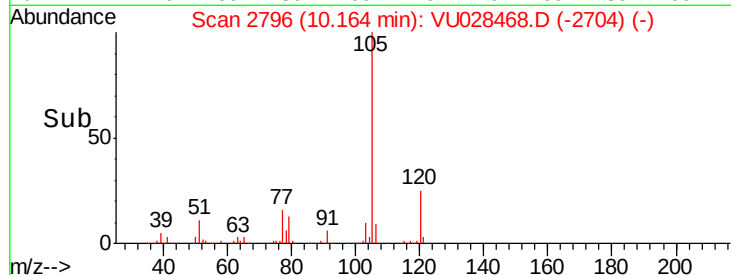
0

10.10

10.16

10.20

Time-->



#74

N-ethyl acetate

Concen: 45.589 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion: 43 Resp: 641692

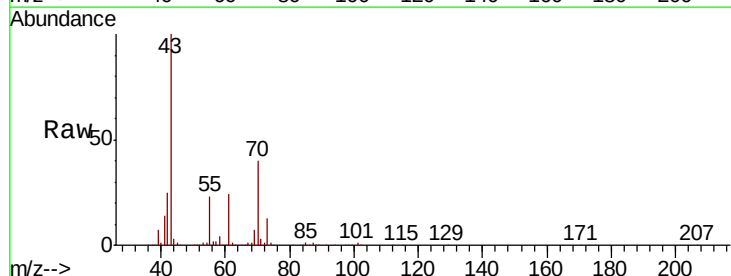
Ion Ratio Lower Upper

43 100

70 39.4 28.4 42.6

55 23.0 18.0 27.0

61 24.1 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

600000

400000

200000

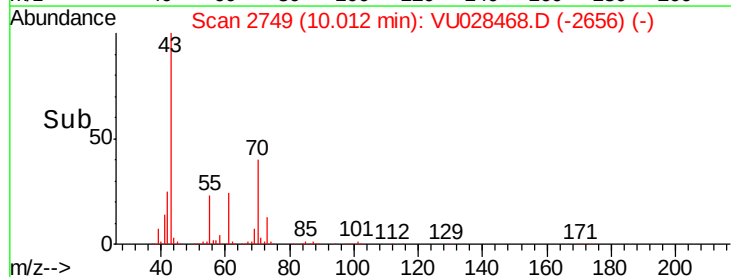
0

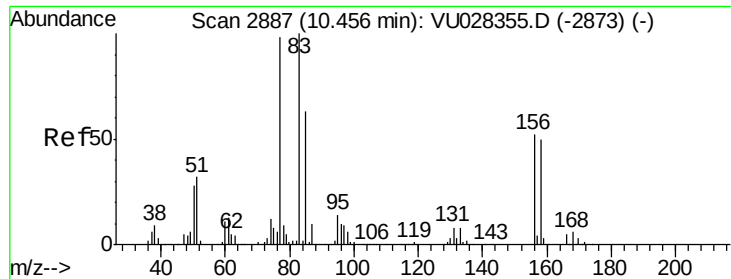
9.90

10.01

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.687 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampled :

BFB

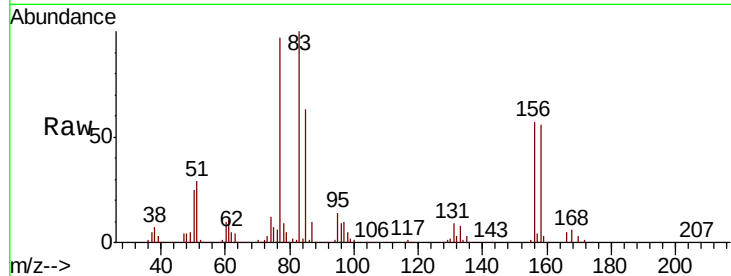
Tot Ion: 83 Resp: 459031

Ion Ratio Lower Upper

83 100

131 8.5 4.0 12.2

85 63.7 31.8 95.4

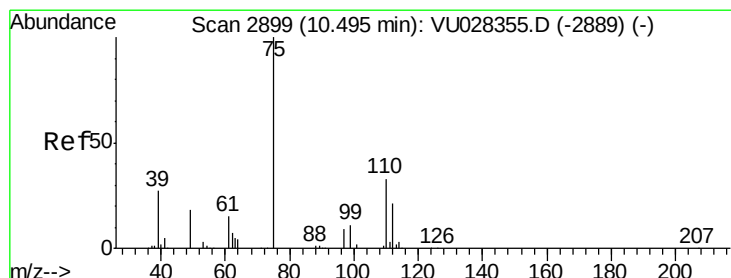
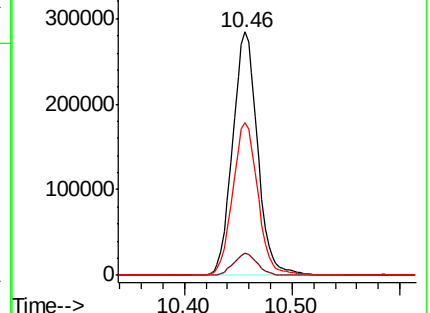
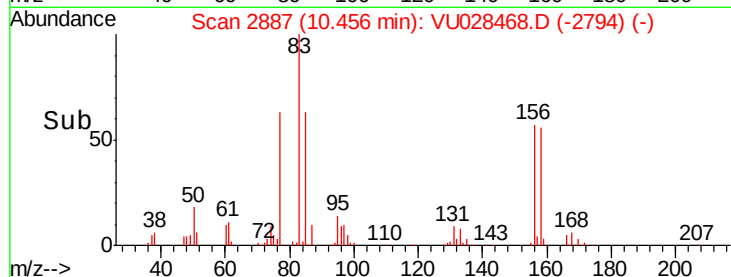


Abundance Ion 82.90 (82.60 to 83.60): VU028355.D (-2873) (-)

Ion 130.80 (130.50 to 131.50): VU028355.D (-2873) (-)

Ion 84.90 (84.60 to 85.60): VU028355.D (-2873) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.581 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028468.D

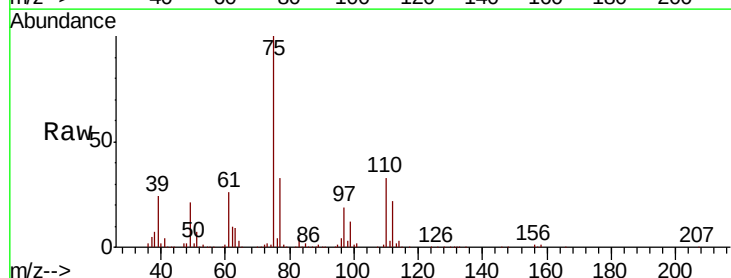
Acq: 05 Dec 2018 09:55

Tgt Ion: 75 Resp: 541337

Ion Ratio Lower Upper

75 100

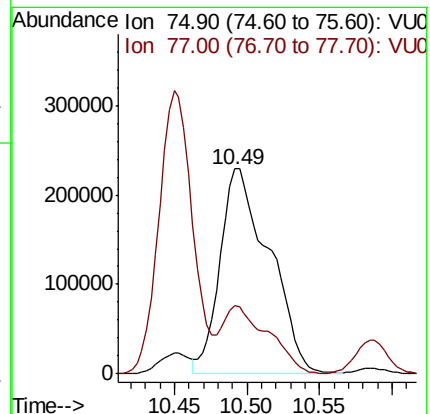
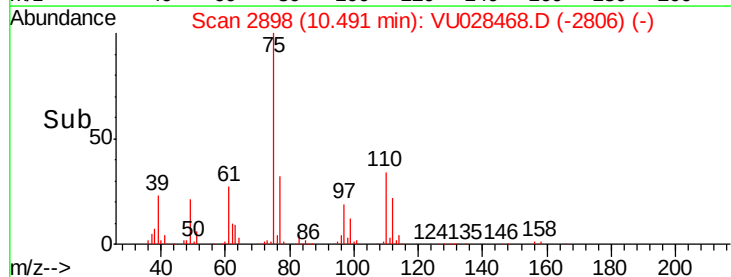
77 30.5 22.4 67.0

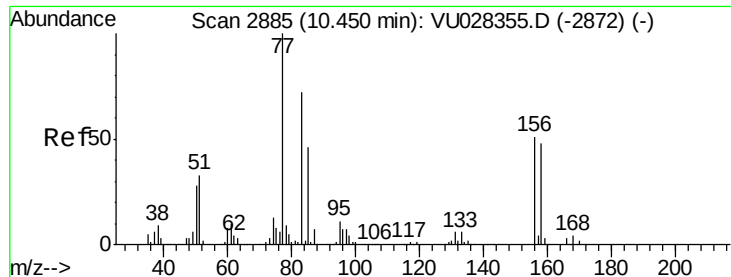


Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028355.D (-2889) (-)

Time-->





#77

Bromobenzene

Concen: 55.093 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampled :

BFB

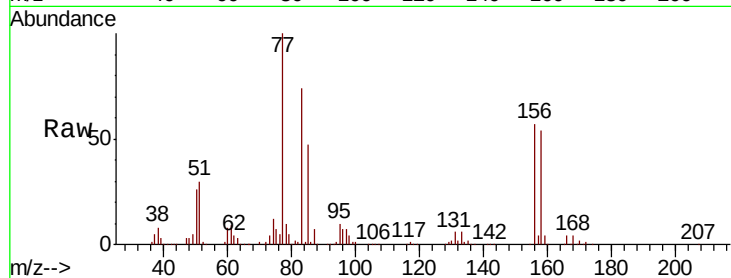
Tot Ion:156 Resp: 291640

Ion Ratio Lower Upper

156 100

77 177.1 97.0 290.9

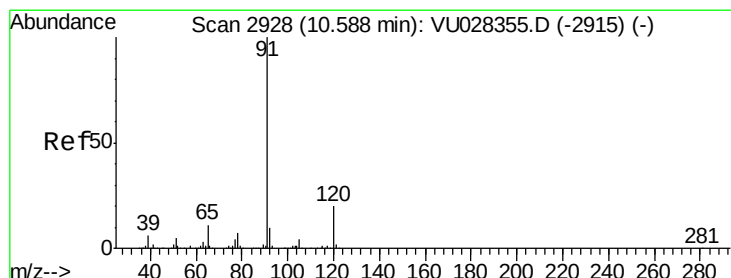
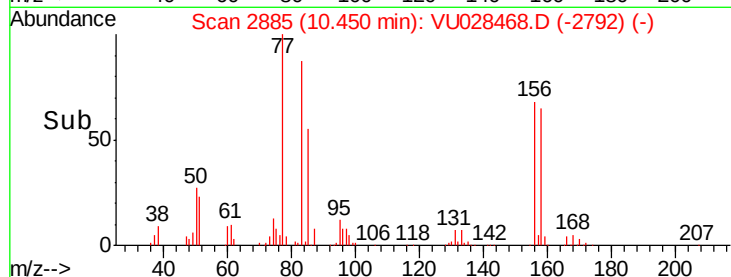
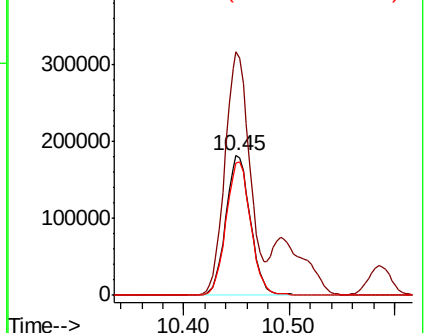
158 95.9 46.8 140.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.640 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028468.D

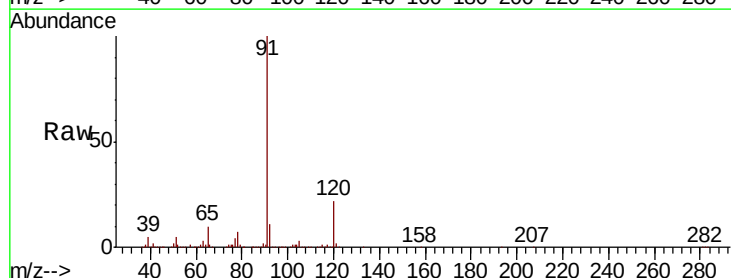
Acq: 05 Dec 2018 09:55

Tgt Ion: 91 Resp: 1486605

Ion Ratio Lower Upper

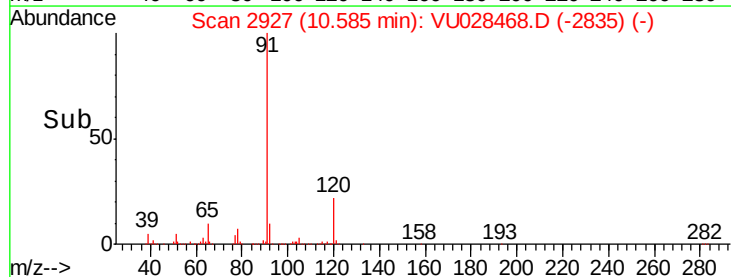
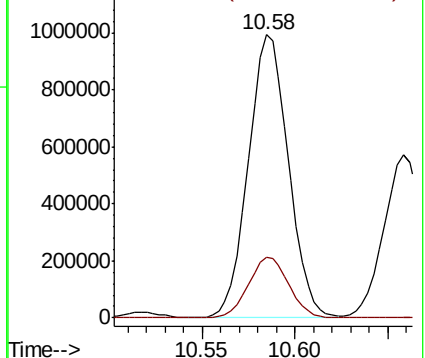
91 100

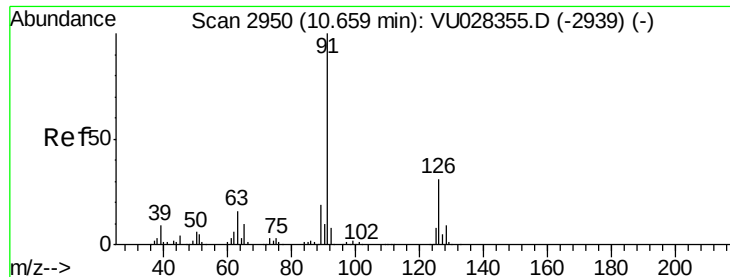
120 21.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.701 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

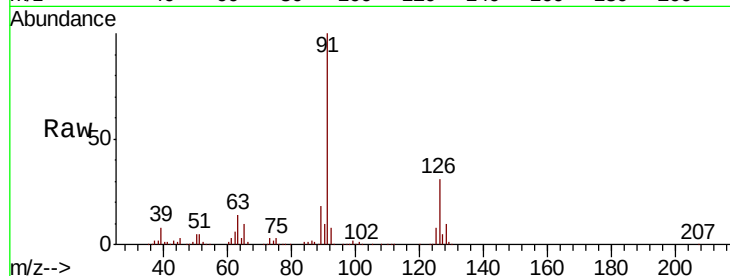
BFB

Tot Ion: 91 Resp: 861024

Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)

1000000

800000

600000

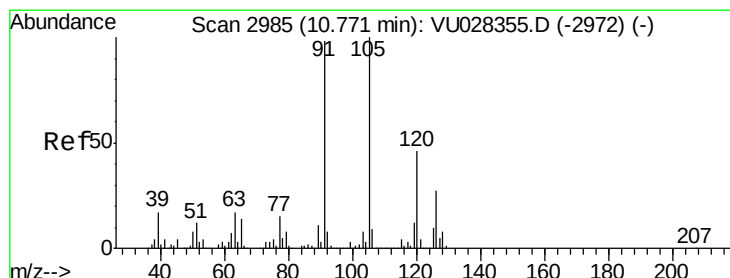
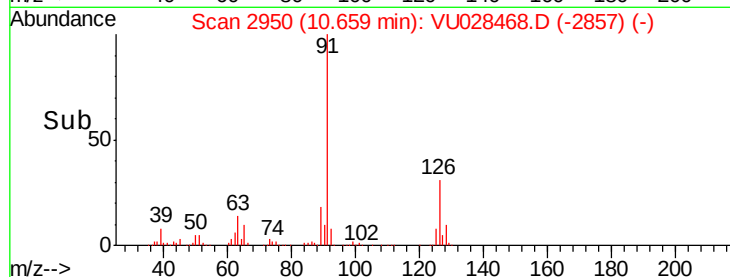
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.454 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028468.D

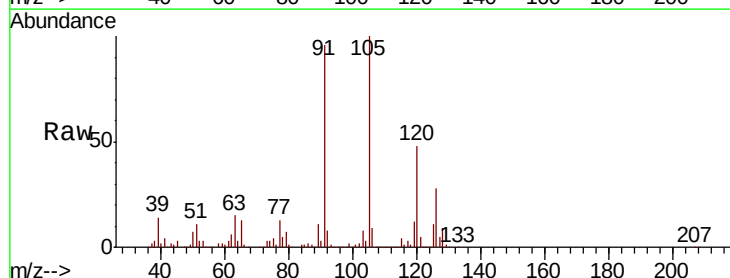
Acq: 05 Dec 2018 09:55

Tgt Ion: 105 Resp: 1011991

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)

800000

600000

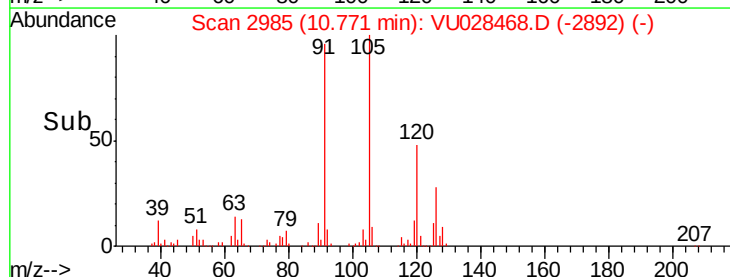
400000

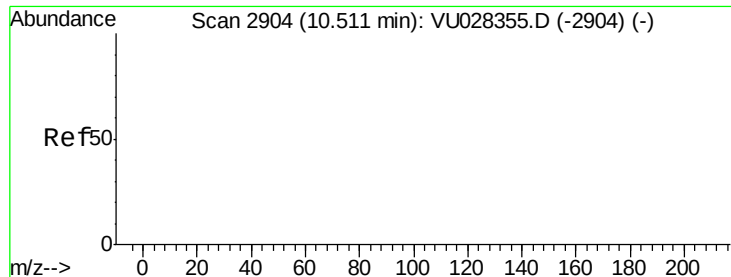
200000

0

10.70 10.80

Time-->

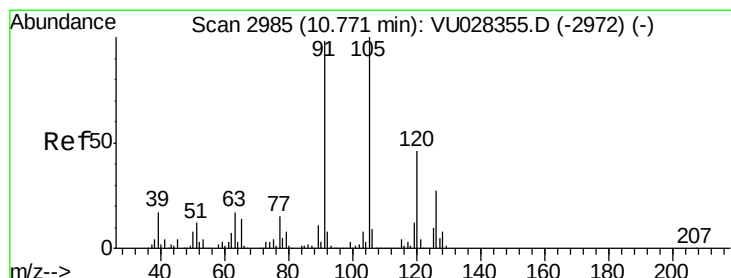
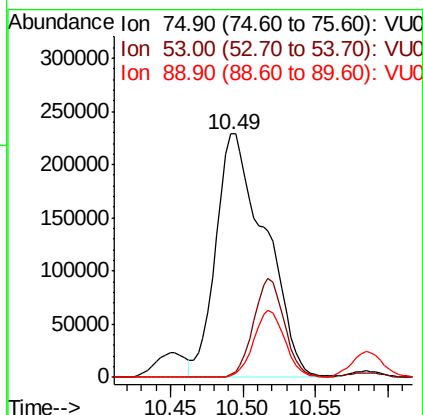
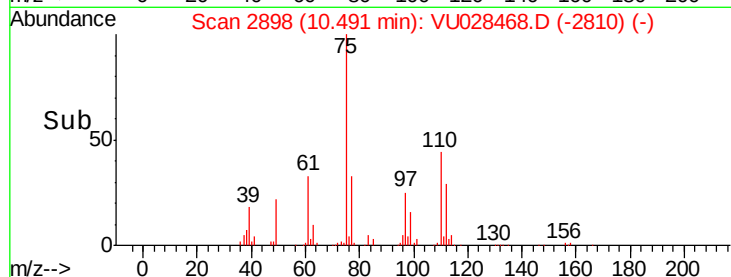
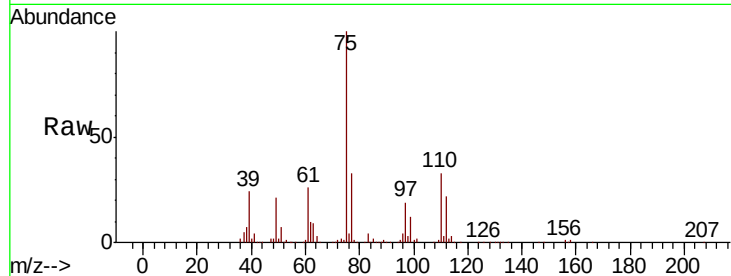




#81
trans-1,4-Dichloro-2-butene
Concen: 179.825 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

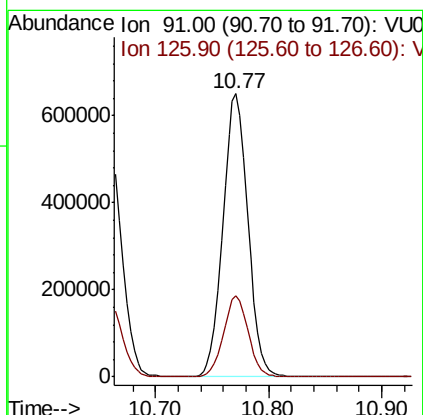
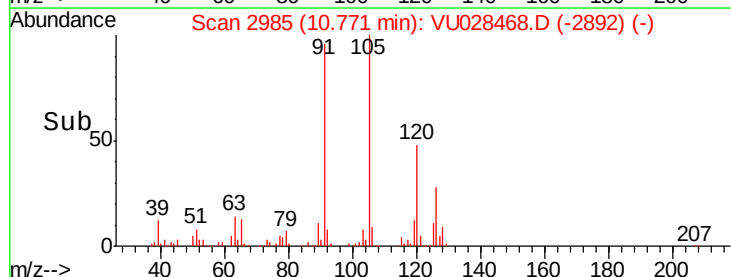
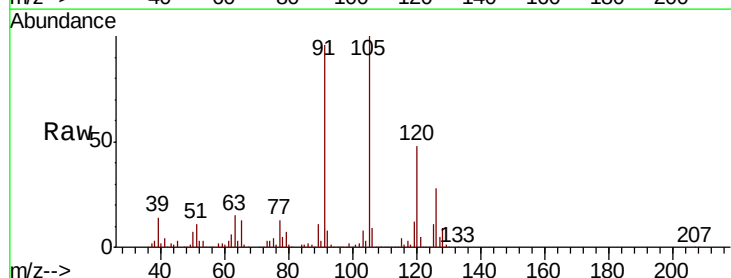
Instrument :
MSVOA_U
ClientSampleId :
BFB

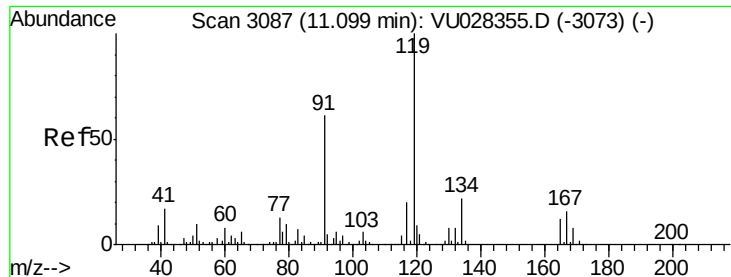
Tot Ion: 75 Resp: 542643
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 52.927 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 91 Resp: 996284
Ion Ratio Lower Upper
91 100
126 28.3 13.9 41.6

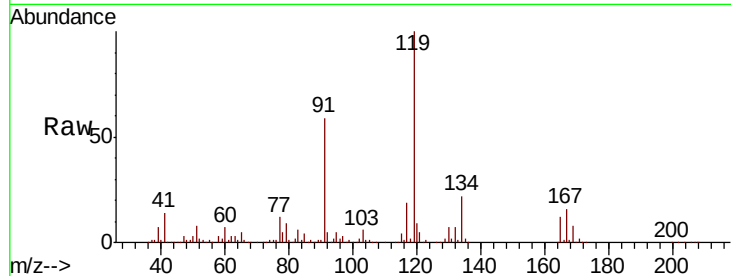




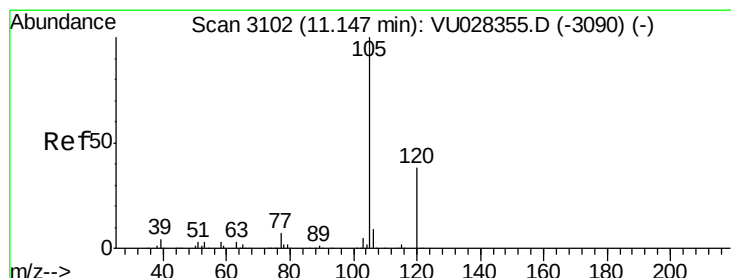
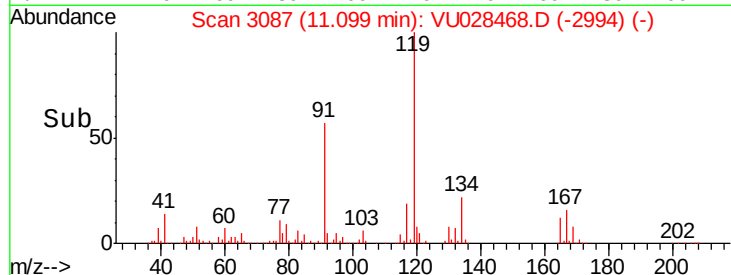
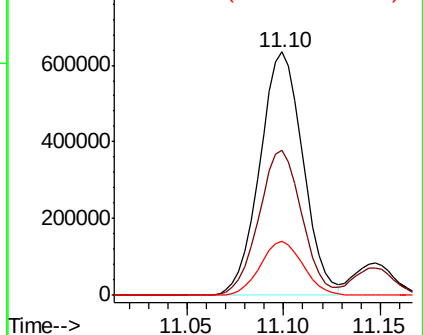
#83
 tert-Butylbenzene
 Concen: 55.741 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampled :
 BFB

Tot Ion:119 Resp: 983732
 Ion Ratio Lower Upper
 119 100
 91 59.5 30.8 92.4
 134 22.1 11.1 33.1

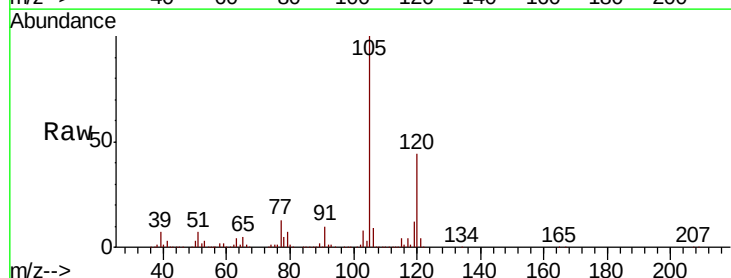


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

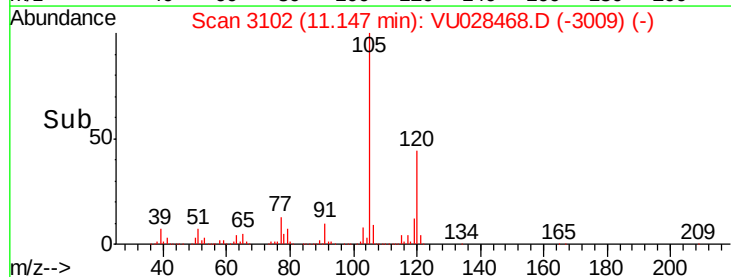
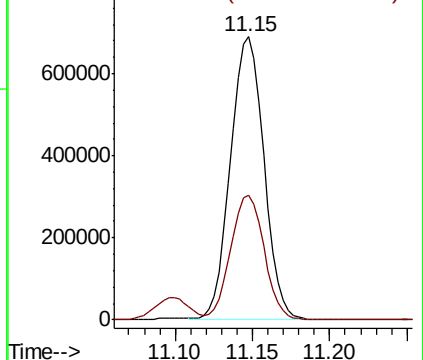


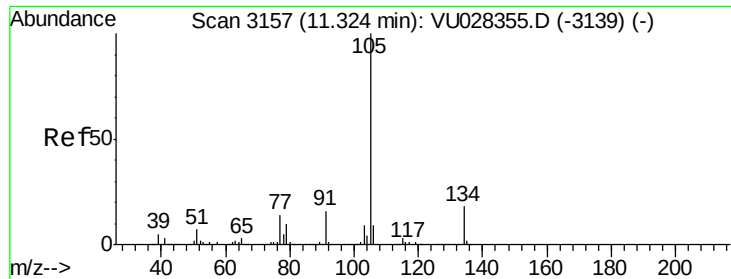
#84
 1,2,4-Trimethylbenzene
 Concen: 53.937 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion:105 Resp: 1034287
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

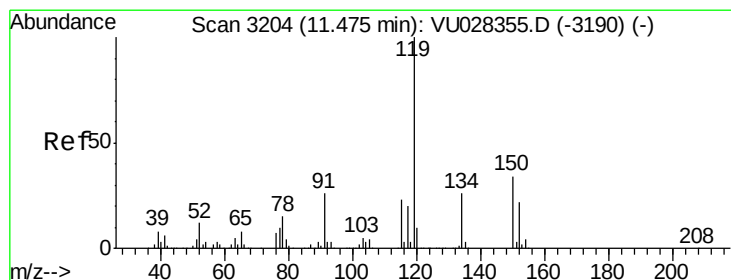
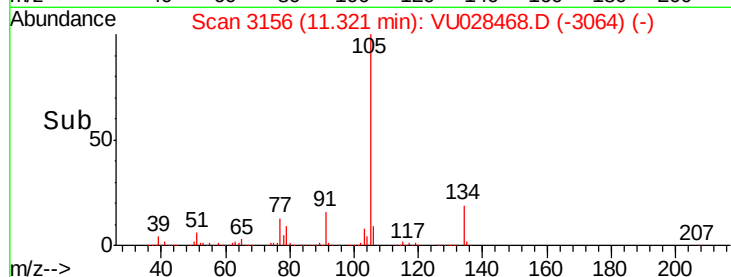
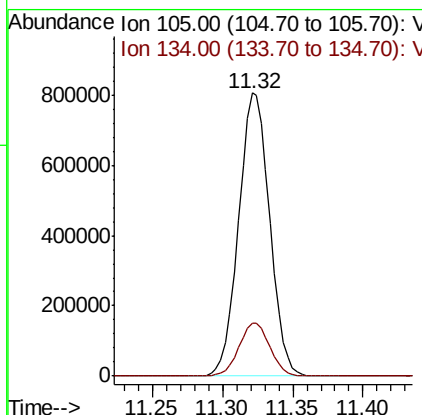
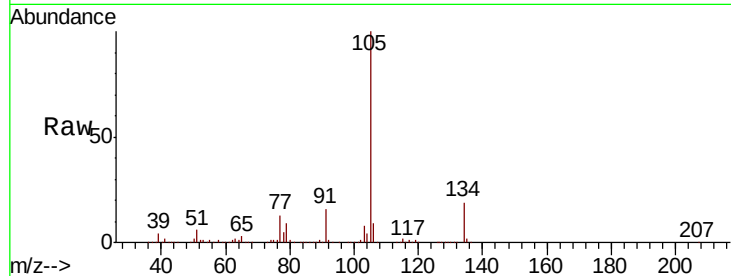




#85
 sec-Butylbenzene
 Concen: 54.091 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

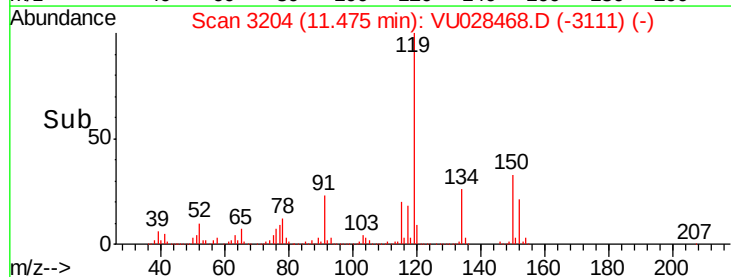
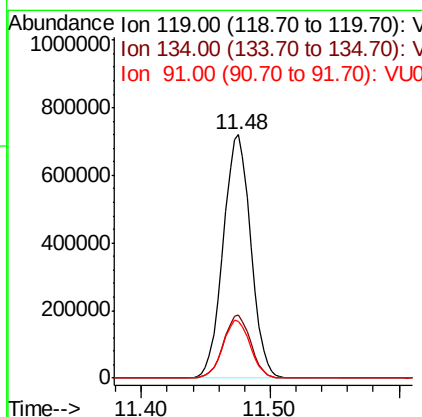
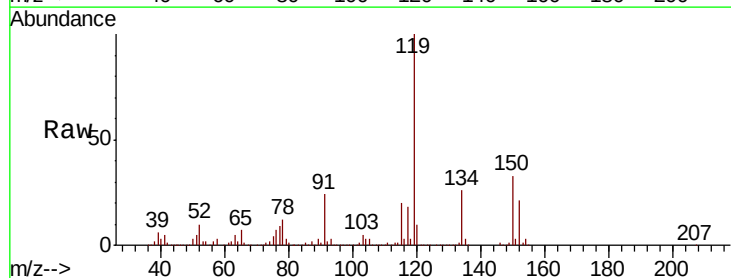
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

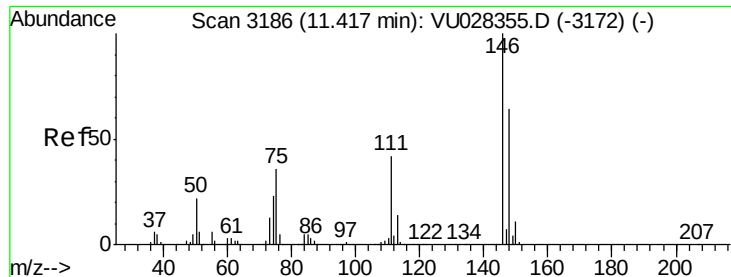
Tot Ion:105 Resp: 1239899
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 56.440 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion:119 Resp: 1063788
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 23.7 13.1 39.1

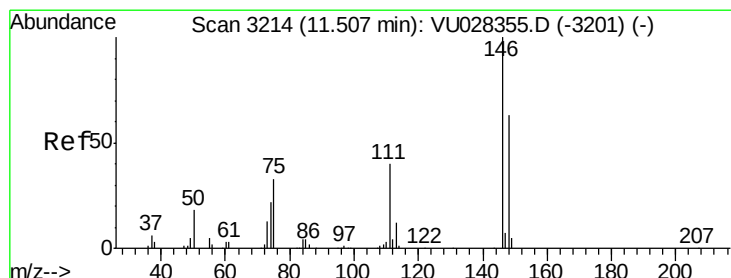
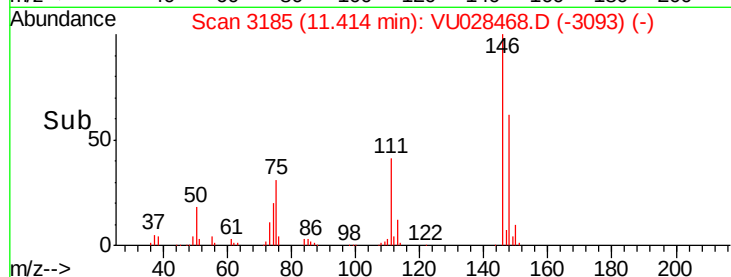
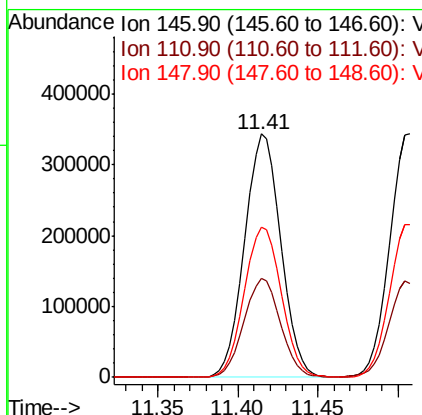
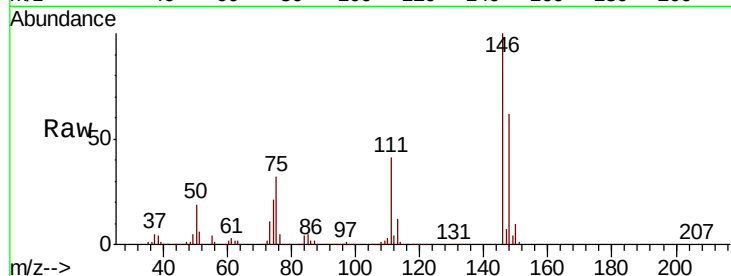




#87
 1,3-Dichlorobenzene
 Concen: 54.907 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

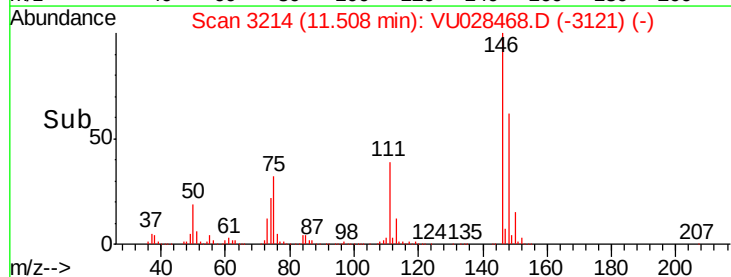
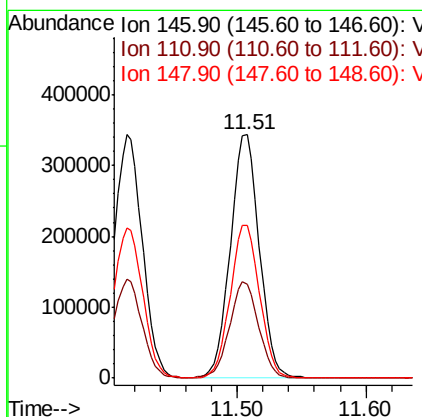
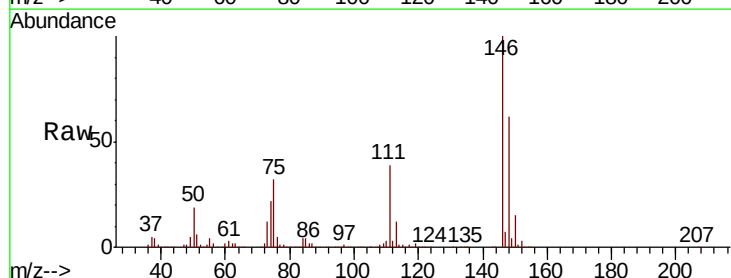
Instrument :
 MSVOA_U
 ClientSampled :
 BFB

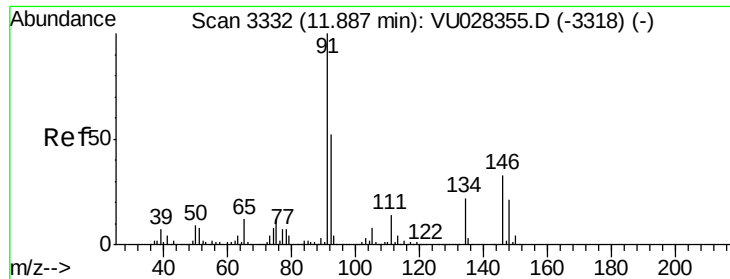
Tot Ion:146 Resp: 530127
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.8 62.4
 148 63.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 54.888 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion:146 Resp: 533337
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.6 61.9
 148 63.6 31.1 93.5

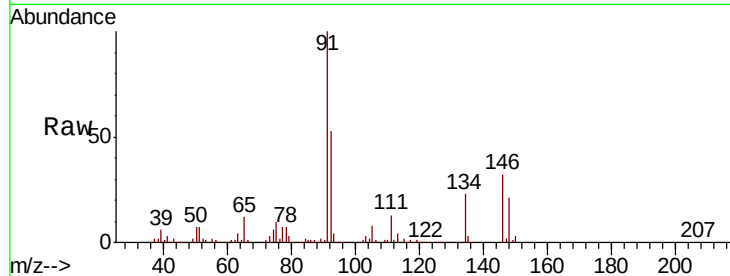




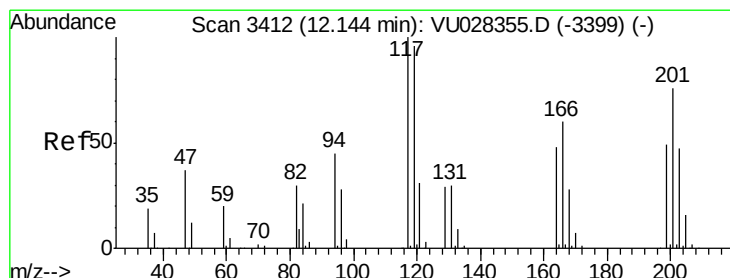
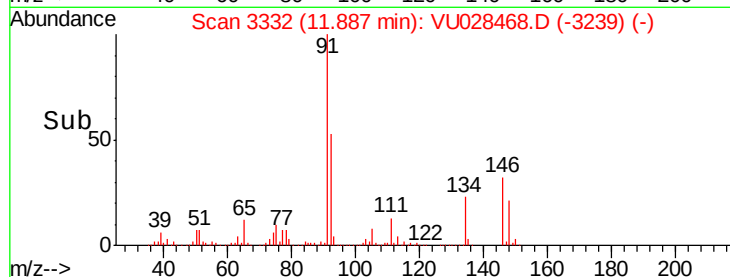
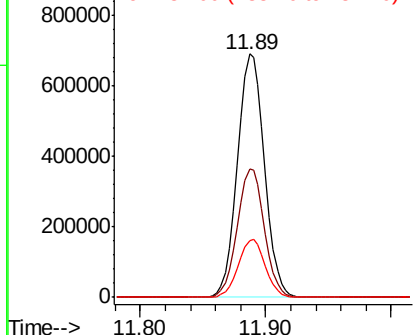
#89
n-Butylbenzene
Concen: 55.377 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tot Ion: 91 Resp: 1030102
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.5
134 23.9 11.1 33.1

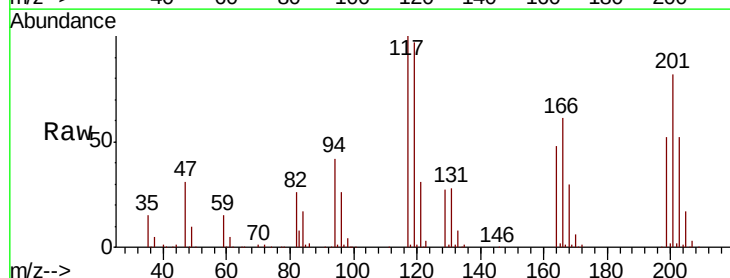


Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V

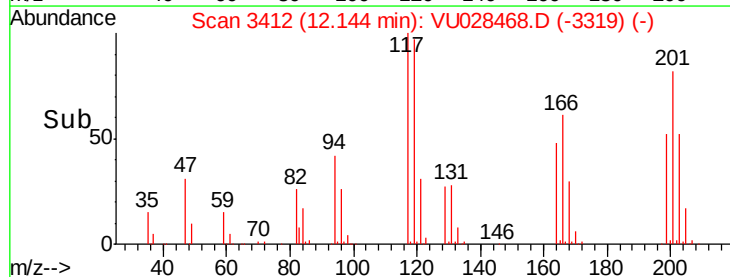
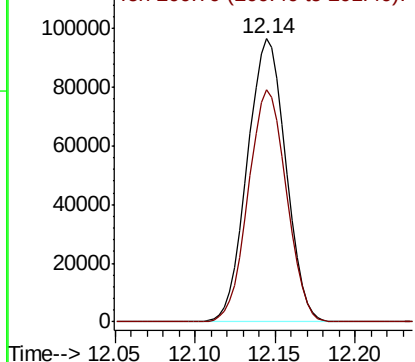


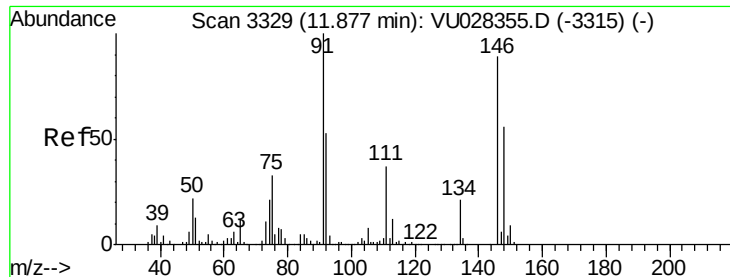
#90
Hexachloroethane
Concen: 54.080 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 117 Resp: 159135
Ion Ratio Lower Upper
117 100
201 81.2 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

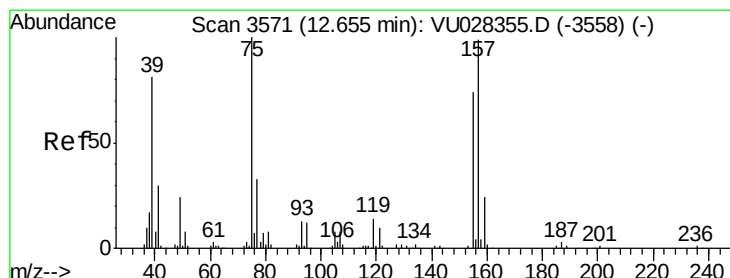
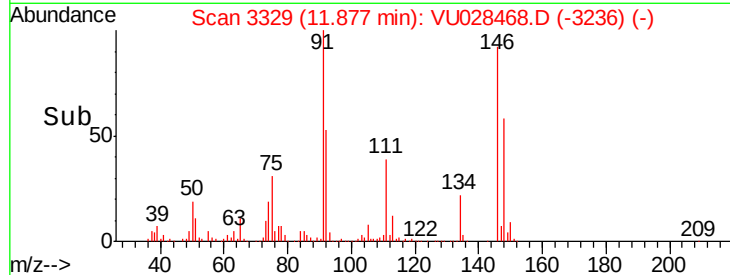
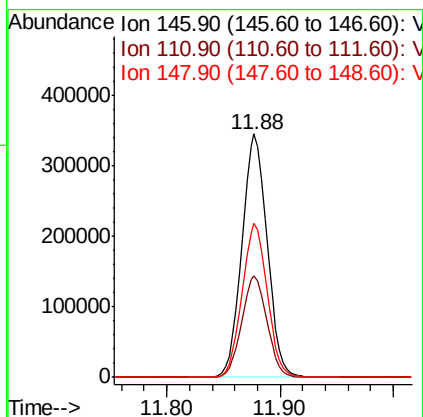
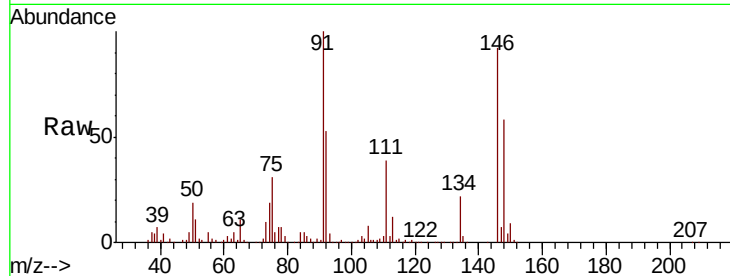




#91
 1,2-Dichlorobenzene
 Concen: 55.729 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

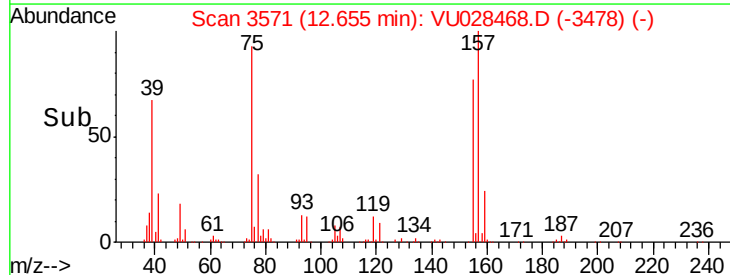
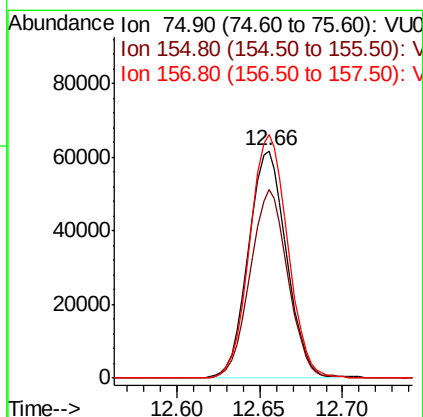
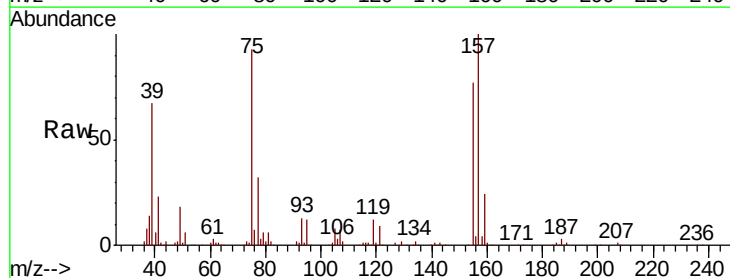
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

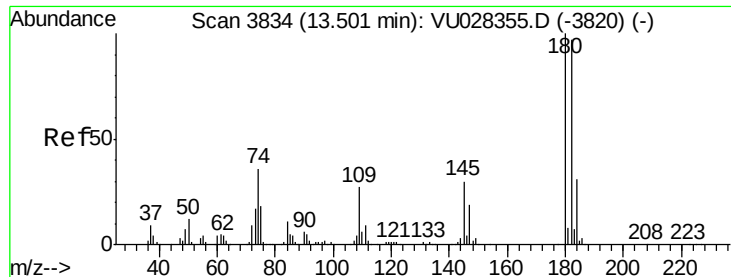
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.4	64.3
148	63.2	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.049 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	36.9	110.7
157	107.0	47.5	142.5





#93

1,2,4-Trichlorobenzene

Concen: 58.590 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

BFB

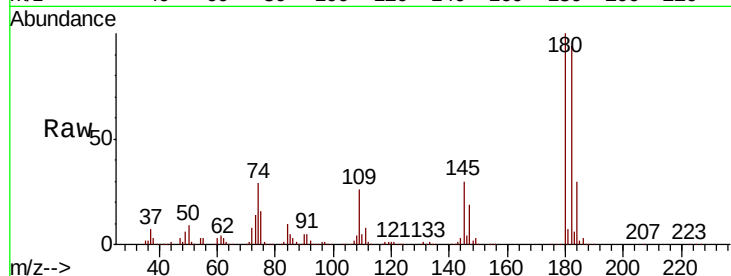
Tot Ion:180 Resp: 369432

Ion Ratio Lower Upper

180 100

182 94.3 48.3 144.9

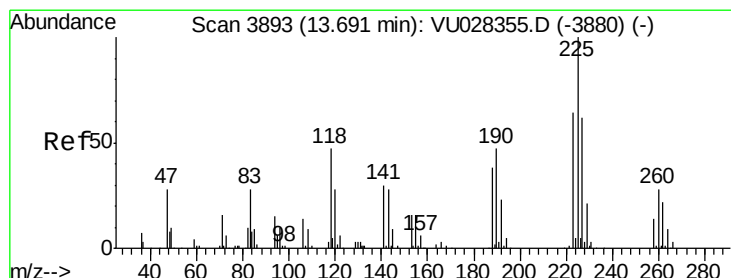
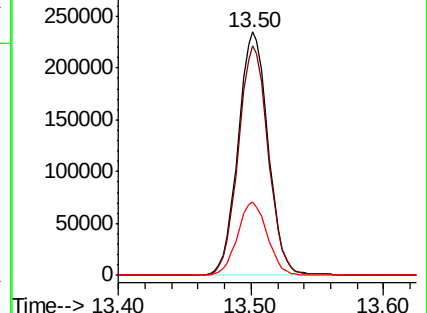
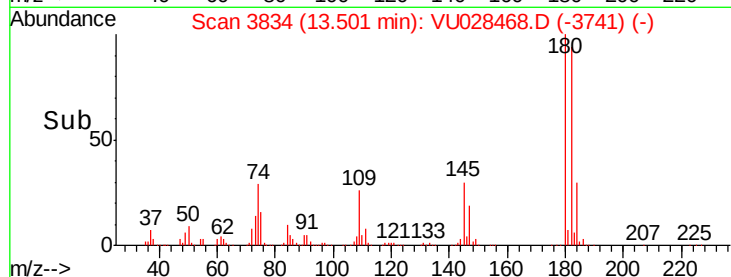
145 29.9 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 56.105 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

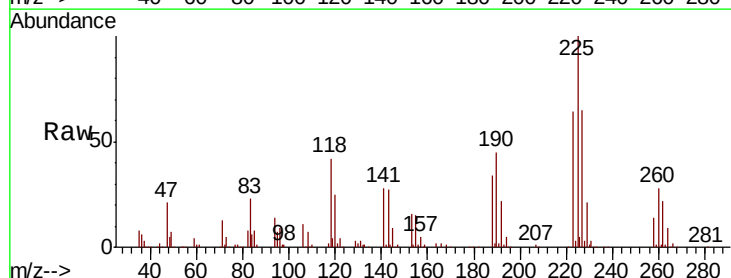
Tgt Ion:225 Resp: 167045

Ion Ratio Lower Upper

225 100

223 63.1 31.6 94.7

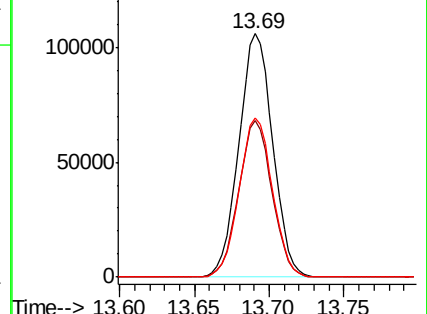
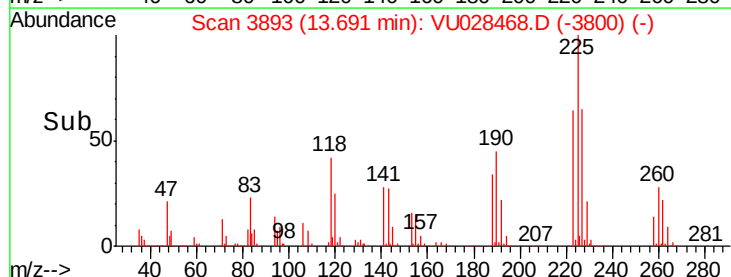
227 64.3 30.8 92.4

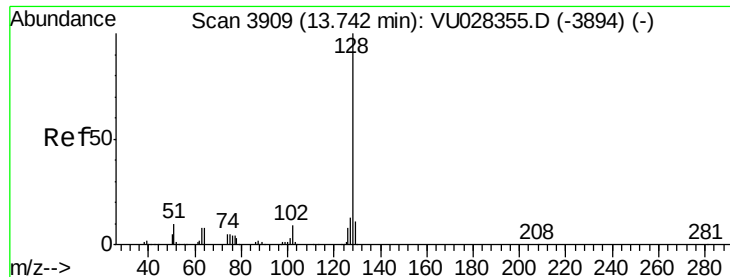


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

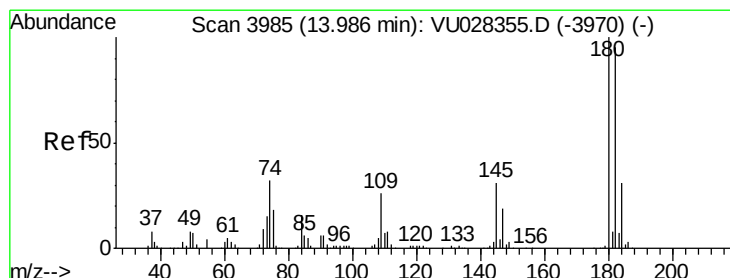
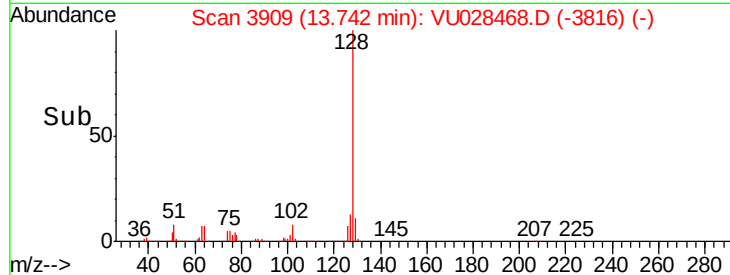
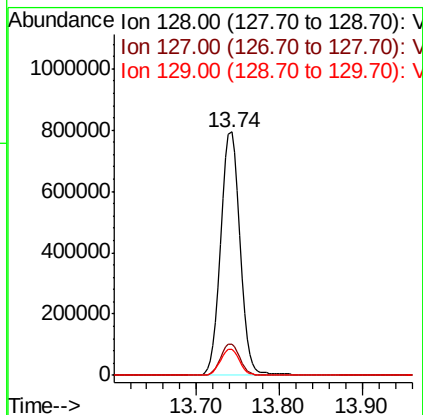
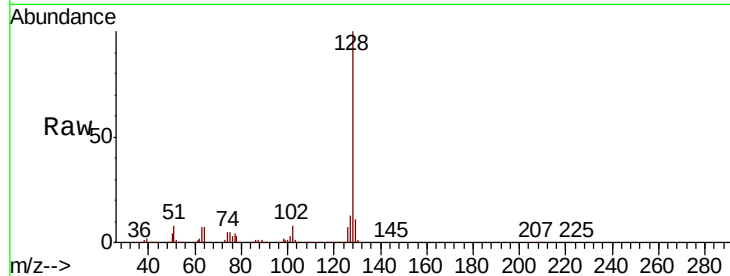




#95
Naphthalene
Concen: 52.345 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampled :
BFB

Tot Ion:128 Resp: 1275994
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 58.237 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:180 Resp: 371385
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 31.7 15.7 47.1

