

Data File : VU029978.D
Acq On : 11 Mar 2019 19:56
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB31

Quant Time: Mar 12 07:04:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 06:36:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	554302	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	533683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	278954	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	186557	50.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.76%
7) Chloroethane-d5	1.68	69	152150	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.82%
11) 1,1-Dichloroethene-d2	2.27	63	333235	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
21) 2-Butanone-d5	4.17	46	288863	105.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.16%
24) Chloroform-d	4.65	84	337194	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
26) 1,2-Dichloroethane-d4	5.31	65	190973	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
32) Benzene-d6	5.34	84	711968	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.66%
36) 1,2-Dichloropropane-d6	6.33	67	215224	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.38%
41) Toluene-d8	7.56	98	671400	52.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.38%
43) trans-1,3-Dichloropropene-	7.85	79	108963	53.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.00%
47) 2-Hexanone-d5	8.31	63	253140	107.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	331251	51.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	276332	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	174003	49.681 ug/L	99
3) Chloromethane	1.33	50	191871	49.656 ug/L	99
5) Vinyl chloride	1.40	62	210255	49.639 ug/L	99
6) Bromomethane	1.62	94	137706	52.481 ug/L	97
8) Chloroethane	1.70	64	128656	46.343 ug/L	96
9) Trichlorofluoromethane	1.88	101	283903	49.978 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	181787	49.920 ug/L	98
12) 1,1-Dichloroethene	2.28	96	173251	49.867 ug/L	98
13) Acetone	2.32	43	260085	80.977 ug/L	98
14) Carbon disulfide	2.48	76	554241	51.470 ug/L	99
15) Methyl Acetate	2.61	43	215365	51.900 ug/L	100
16) Methylene chloride	2.70	84	200932	48.979 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	190752	50.417 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	568007	50.619 ug/L	100
19) 1,1-Dichloroethane	3.44	63	322135	49.589 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	214483	49.796 ug/L	100
22) 2-Butanone	4.26	43	343438	93.924 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	110897	49.704	ug/L	99
25) Chloroform	4.67	83	335507	49.209	ug/L	98
27) 1,2-Dichloroethane	5.40	62	239526	48.865	ug/L	99
29) Cyclohexane	4.99	56	296535	50.378	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	288783	49.566	ug/L	99
31) Carbon tetrachloride	5.13	117	259205	50.383	ug/L	100
33) Benzene	5.39	78	768275	50.307	ug/L	100
34) Trichloroethene	6.18	95	204539	51.103	ug/L	99
35) Methylcyclohexane	6.41	83	331574	51.087	ug/L	99
37) 1,2-Dichloropropane	6.43	63	201843	50.247	ug/L	100
38) Bromodichloromethane	6.75	83	254679	50.984	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	320721	51.305	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	563311	103.857	ug/L	99
42) Toluene	7.63	91	846826	51.001	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	293497	51.421	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	202325	50.364	ug/L	99
46) Tetrachloroethene	8.22	164	177194	50.588	ug/L	99
48) 2-Hexanone	8.36	43	462871	100.033	ug/L	98
49) Dibromochloromethane	8.47	129	226912	50.555	ug/L	99
50) 1,2-Dibromoethane	8.58	107	224321	50.659	ug/L	98
51) Chlorobenzene	9.12	112	561826	50.189	ug/L	99
52) Ethylbenzene	9.25	91	933263	51.057	ug/L	100
53) m,p-Xylene	9.37	106	365300	51.655	ug/L	98
54) o-xylene	9.77	106	359630	51.773	ug/L	99
55) Styrene	9.79	104	616932	52.160	ug/L	99
56) Isopropylbenzene	10.16	105	931078	51.200	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	349399	50.674	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	266114	50.867	ug/L	100
61) Bromoform	9.95	173	179982	51.834	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	460306	51.096	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	470418	51.354	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	461691	50.915	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	76812	52.127	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	357390	51.112	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	337014	52.691	ug/L	100
69) Naphthalene	13.74	128	1148092	55.248	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	351338	52.877	ug/L	99

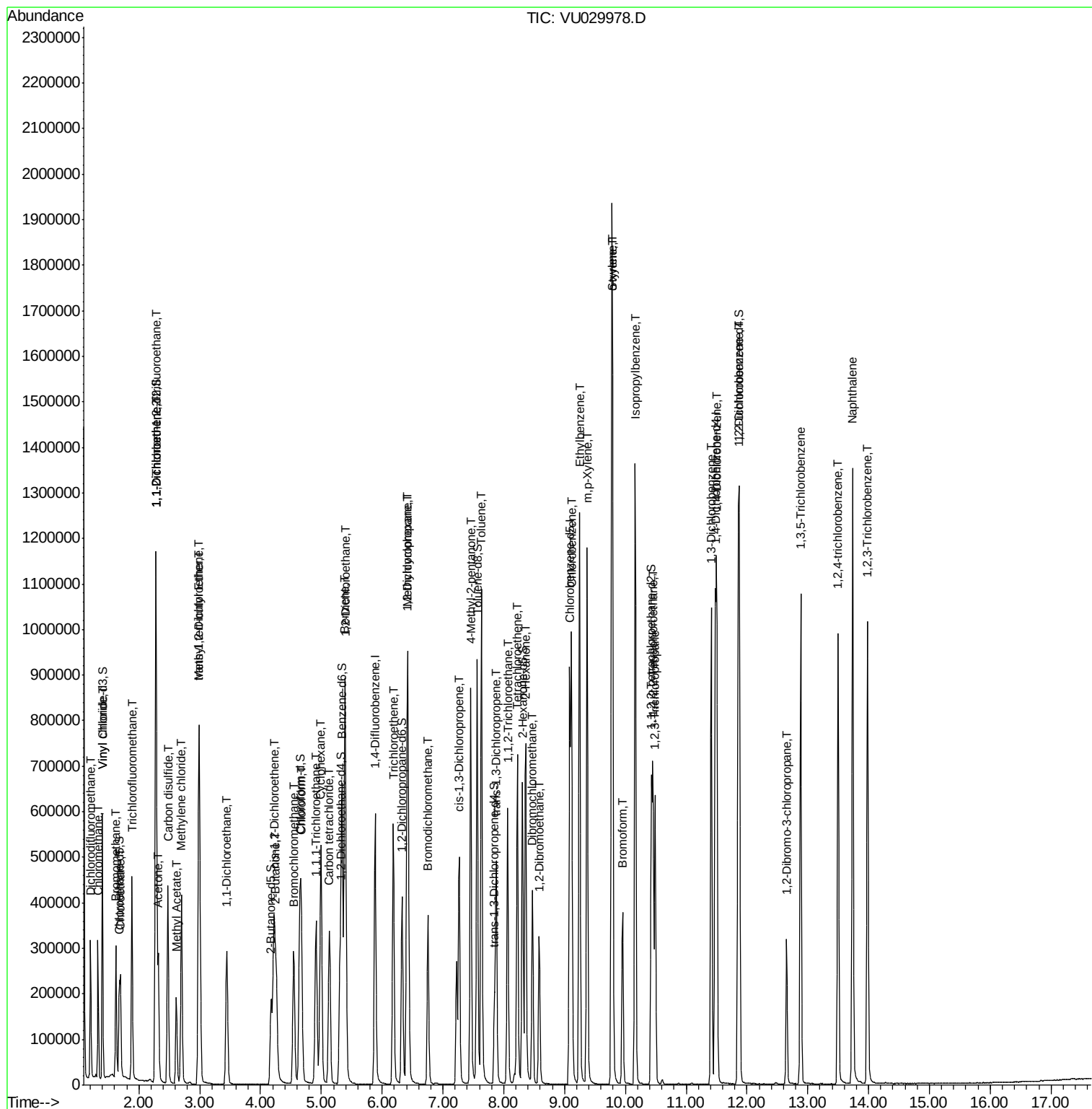
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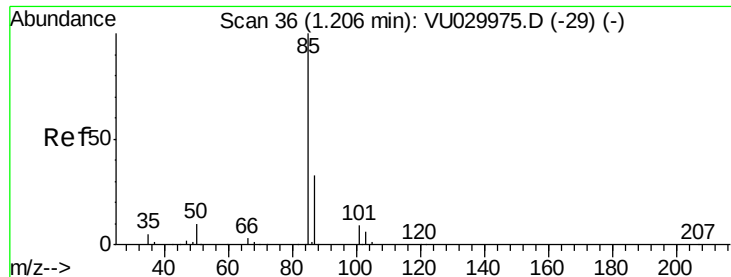
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#2

Dichlorodifluoromethane

Concen: 49.681 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

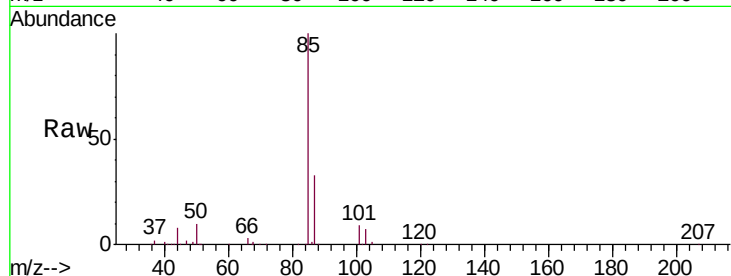
BFB31

Tgt Ion: 85 Resp: 174003

Ion Ratio Lower Upper

85 100

87 32.6 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

200000

150000

100000

50000

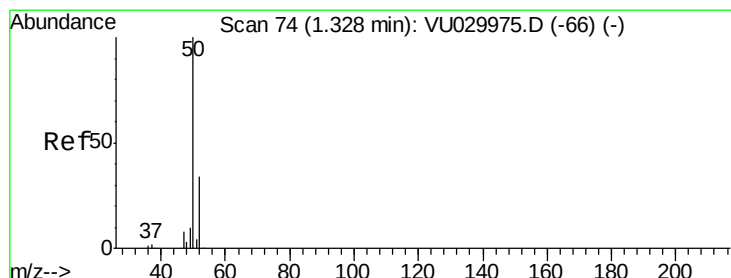
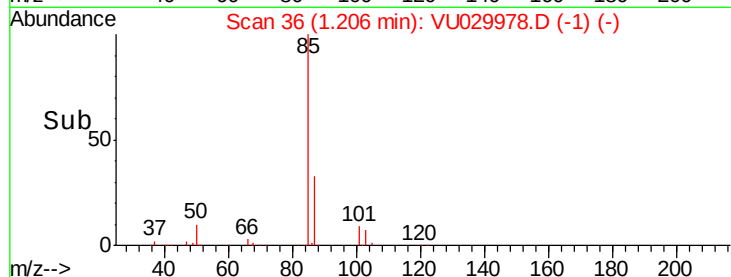
0

1.21

1.20

1.25

Time-->



#3

Chloromethane

Concen: 49.656 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029978.D

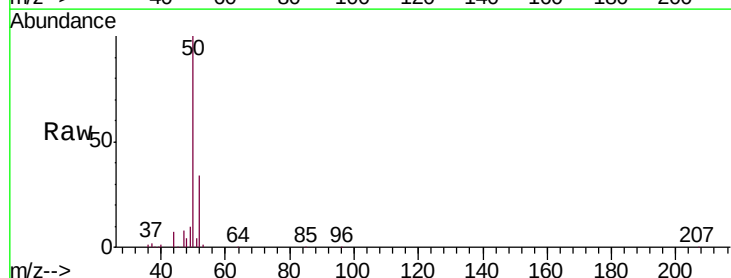
Acq: 11 Mar 2019 19:56

Tgt Ion: 50 Resp: 191871

Ion Ratio Lower Upper

50 100

52 33.9 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

200000

150000

100000

50000

0

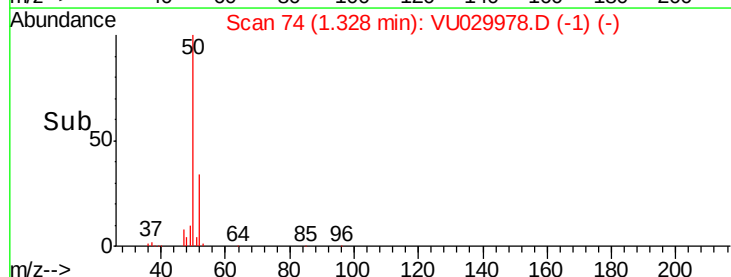
1.33

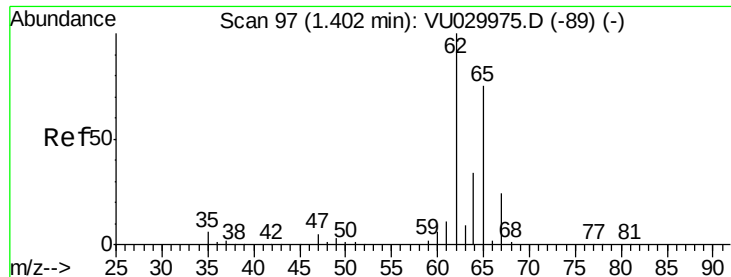
1.30

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 49.639 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

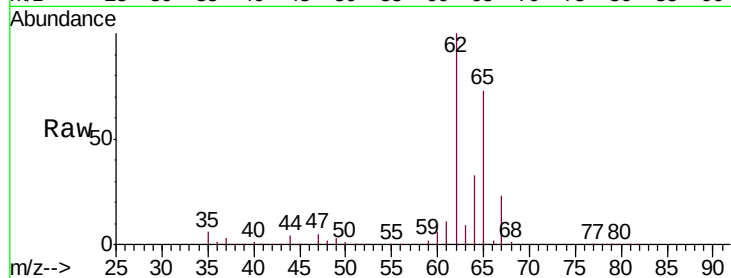
BFB31

Tgt Ion: 62 Resp: 210255

Ion Ratio Lower Upper

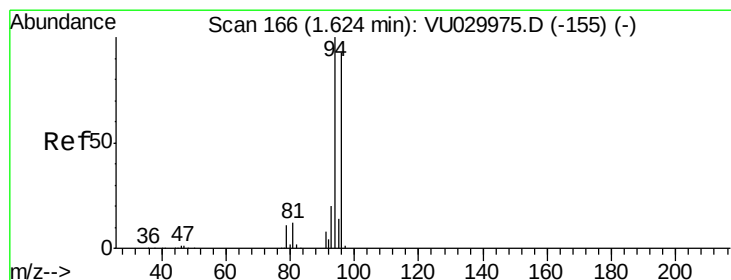
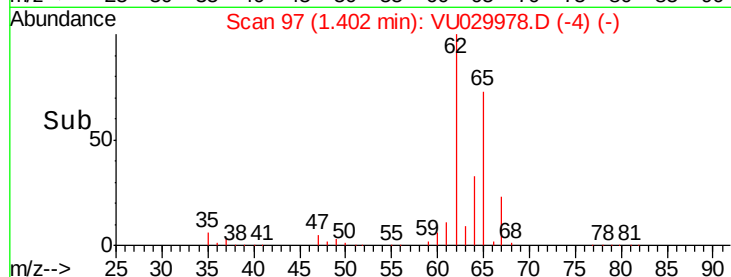
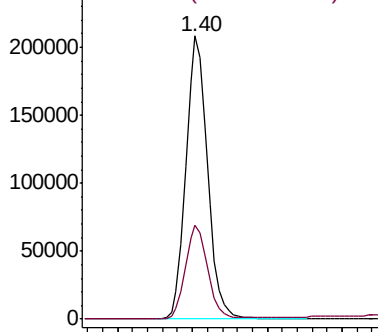
62 100

64 33.2 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 52.481 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029978.D

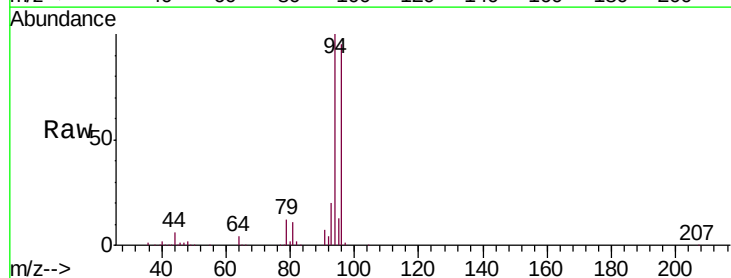
Acq: 11 Mar 2019 19:56

Tgt Ion: 94 Resp: 137706

Ion Ratio Lower Upper

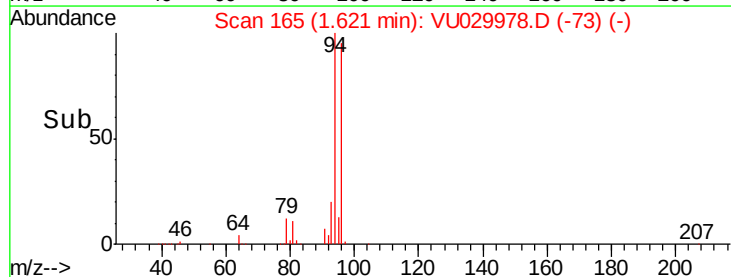
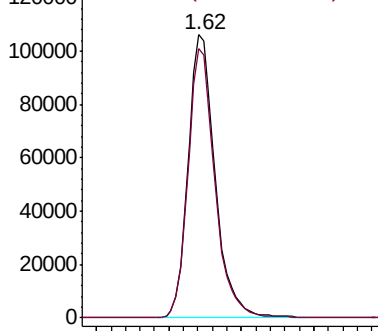
94 100

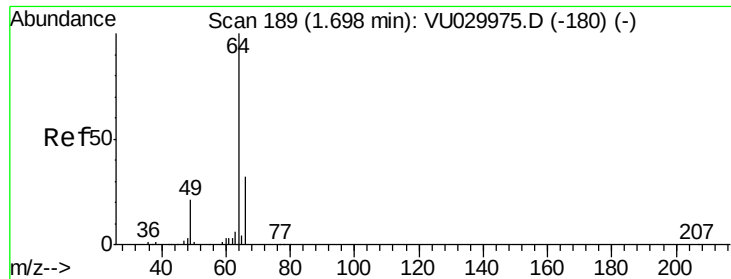
96 95.2 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

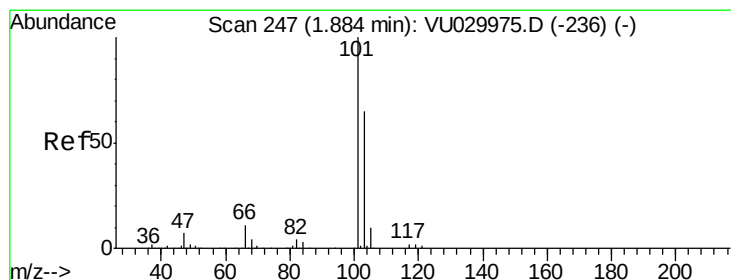
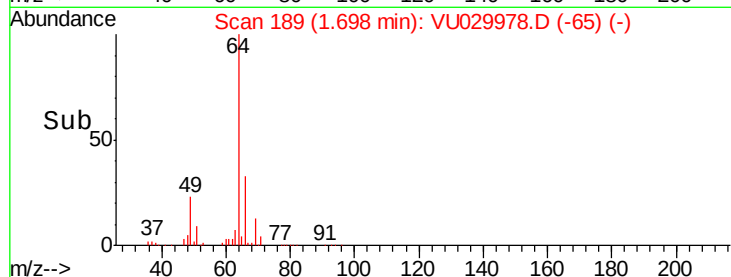
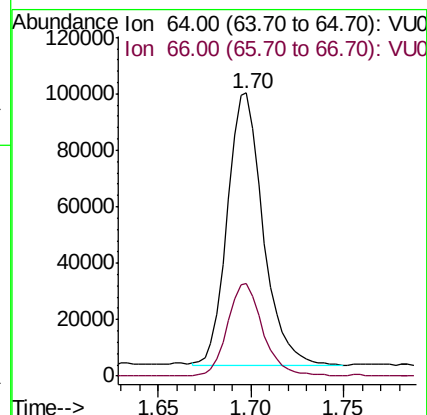
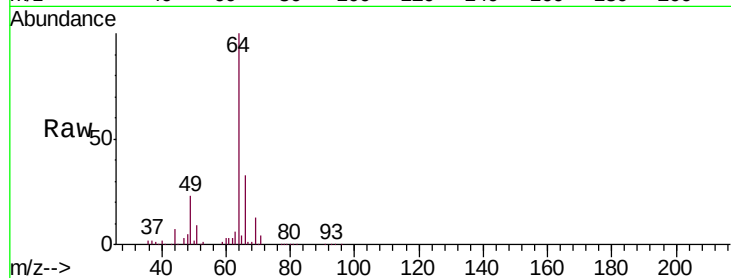




#8
Chloroethane
Concen: 46.343 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

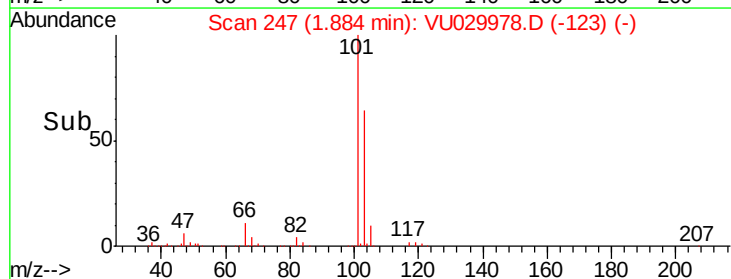
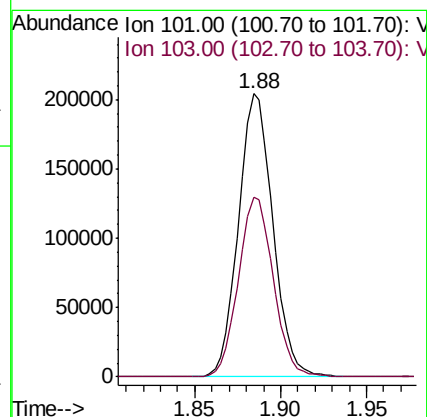
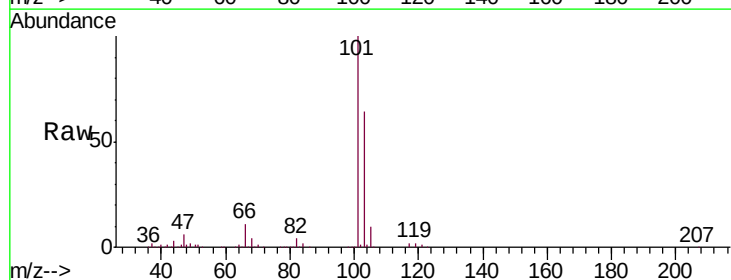
Instrument :
MSVOA_U
ClientSampleId :
BFB31

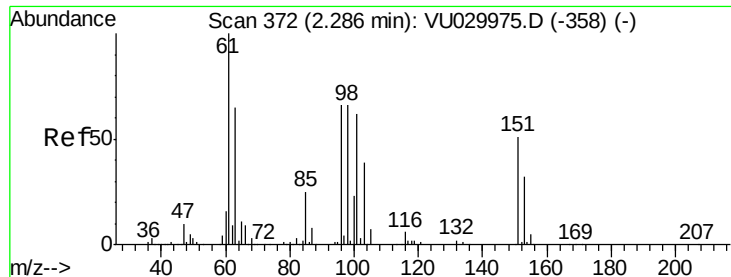
Tgt Ion: 64 Resp: 128656
Ion Ratio Lower Upper
64 100
66 32.8 21.3 39.6



#9
Trichlorofluoromethane
Concen: 49.978 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Tgt Ion: 101 Resp: 283903
Ion Ratio Lower Upper
101 100
103 64.4 52.5 78.7





#10

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

Concen: 49.920 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

BFB31

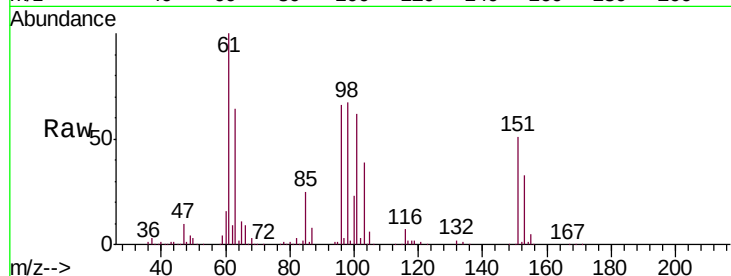
Tgt Ion:101 Resp: 181787

Ion Ratio Lower Upper

101 100

85 40.4 33.0 49.4

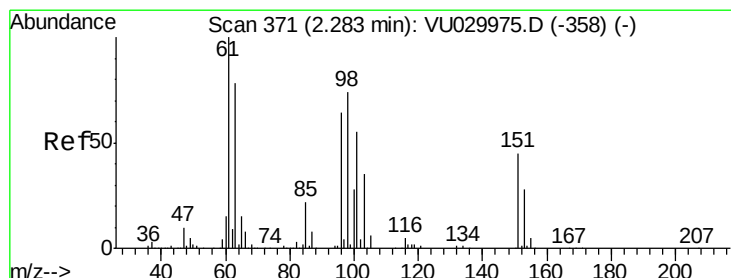
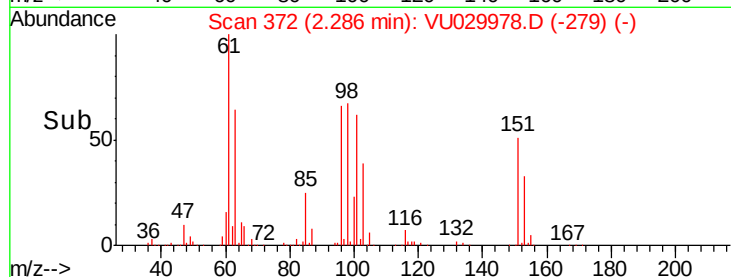
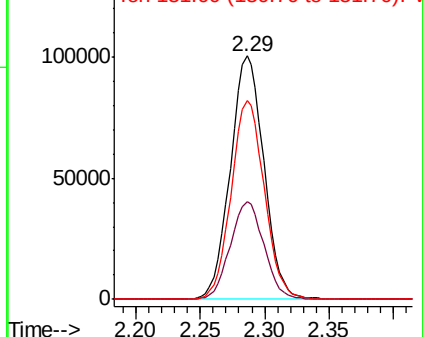
151 80.7 66.1 99.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.867 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

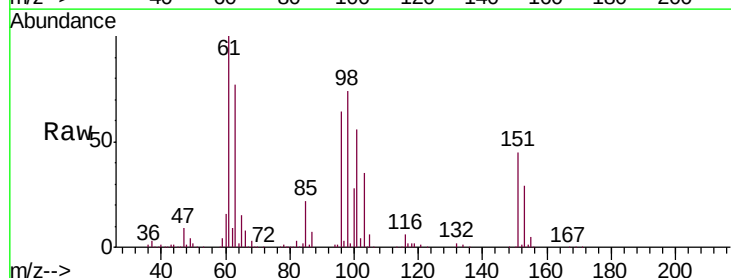
Tgt Ion: 96 Resp: 173251

Ion Ratio Lower Upper

96 100

61 155.5 110.4 205.0

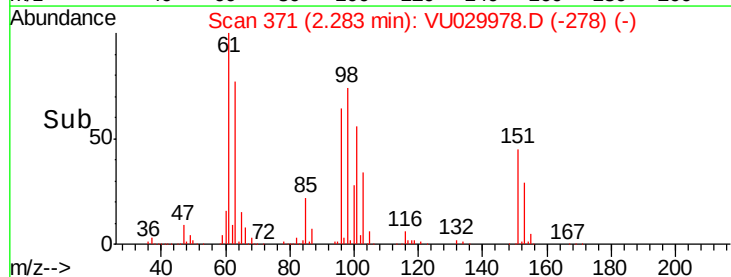
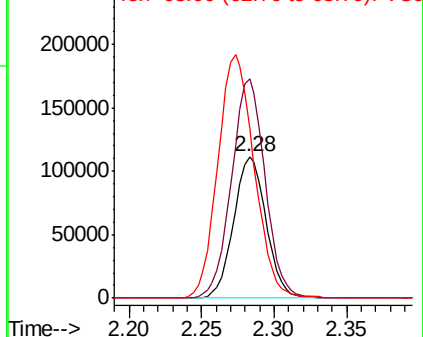
63 119.7 86.5 160.7

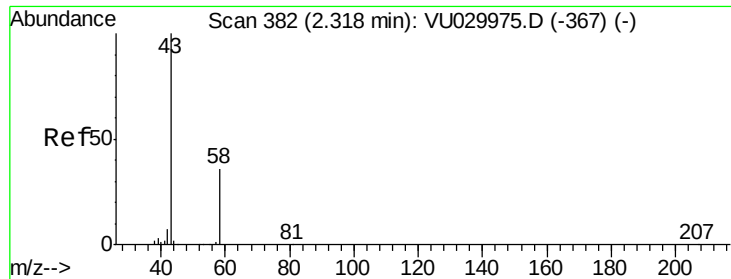


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.977 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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ClientSampleId :

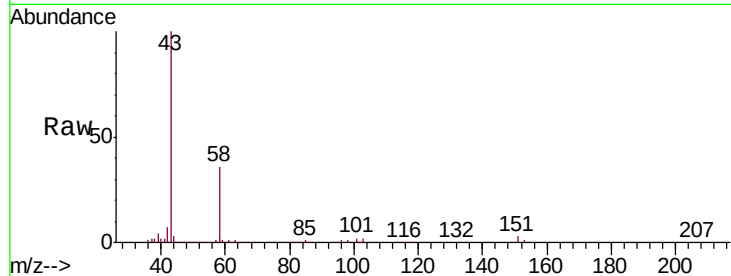
BFB31

Tgt Ion: 43 Resp: 260085

Ion Ratio Lower Upper

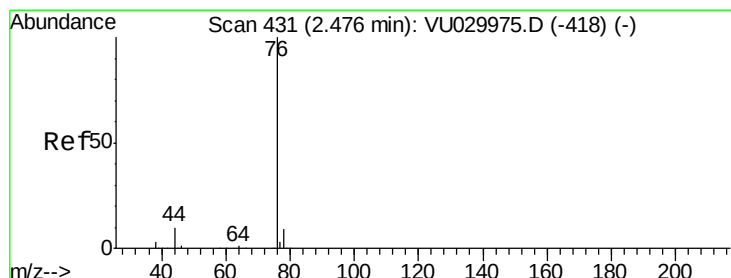
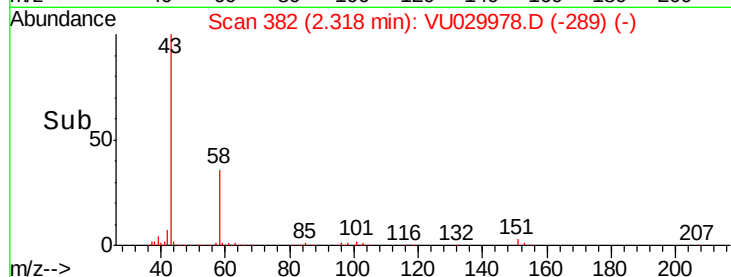
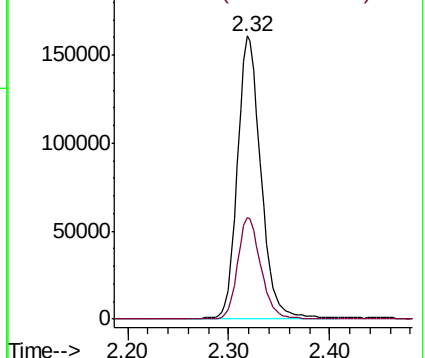
43 100

58 35.6 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU029975.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VU029975.D (-367) (-)



#14

Carbon disulfide

Concen: 51.470 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029978.D

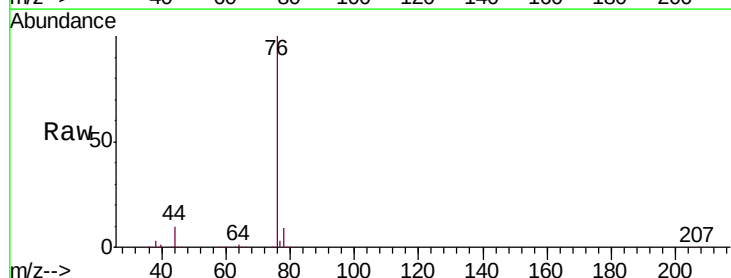
Acq: 11 Mar 2019 19:56

Tgt Ion: 76 Resp: 554241

Ion Ratio Lower Upper

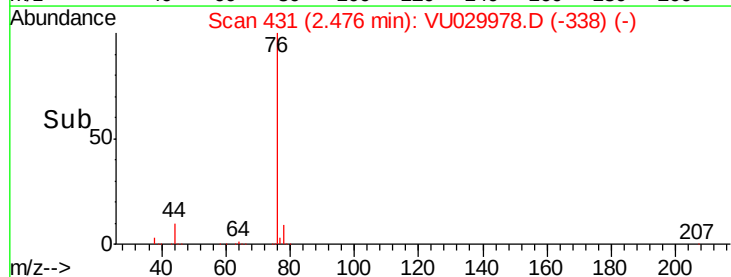
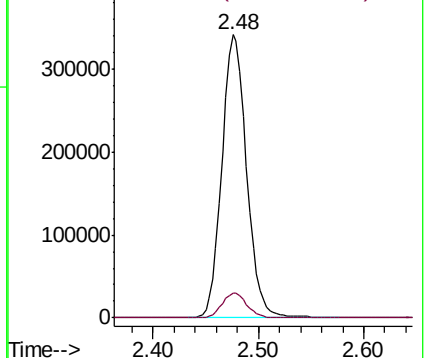
76 100

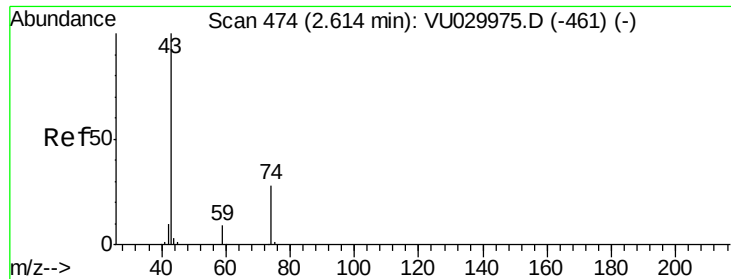
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU029975.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029975.D (-418) (-)

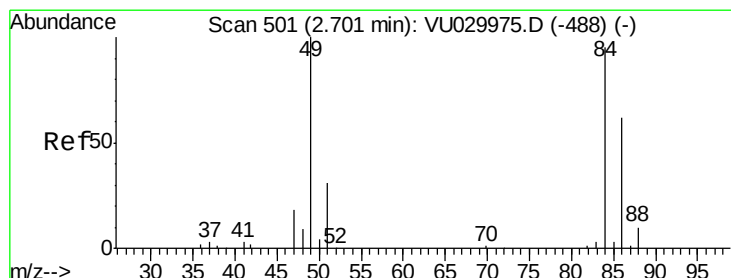
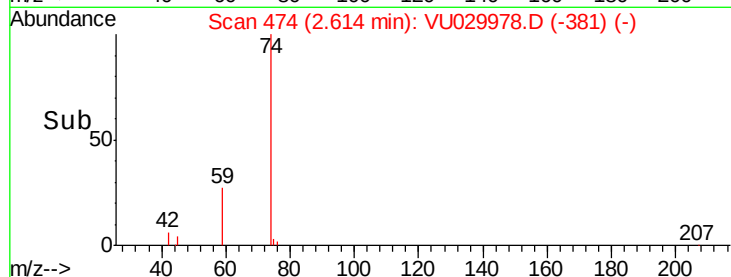
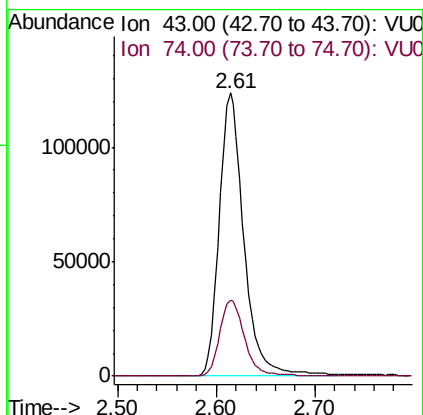
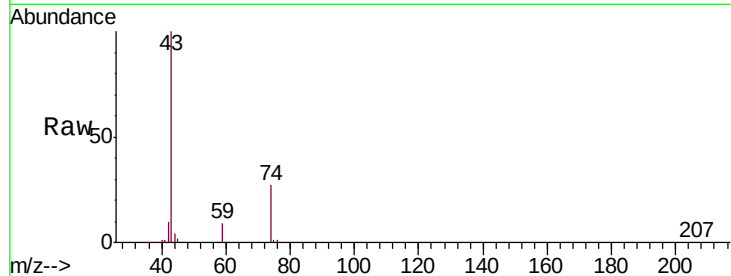




#15
Methyl Acetate
Concen: 51.900 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

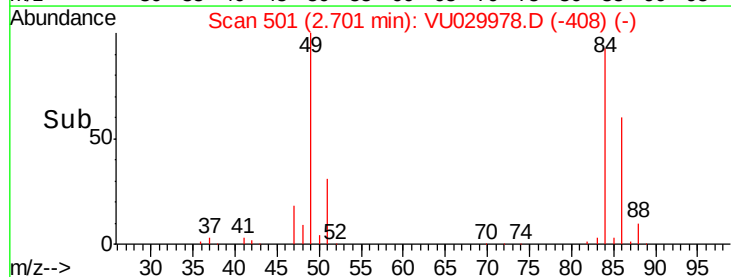
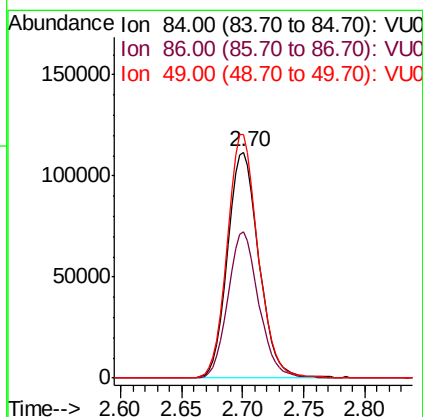
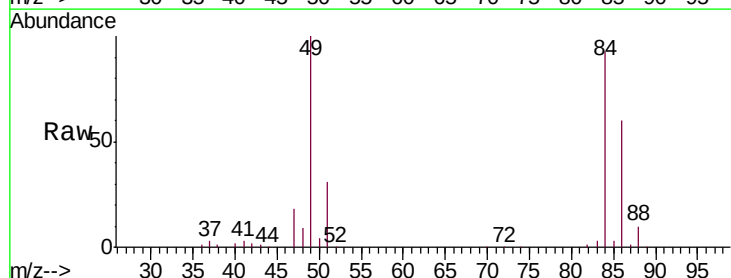
Instrument :
MSVOA_U
ClientSampled :
BFB31

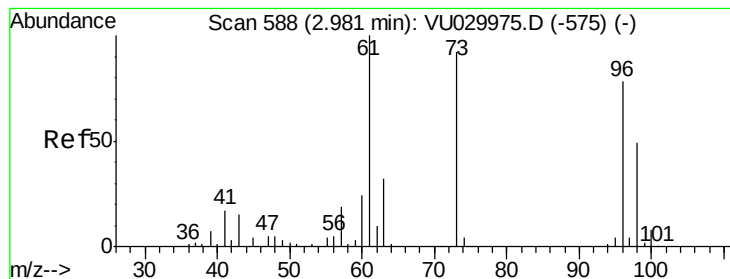
Tgt Ion: 43 Resp: 215365
Ion Ratio Lower Upper
43 100
74 27.5 21.9 32.9



#16
Methylene chloride
Concen: 48.979 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Tgt Ion: 84 Resp: 200932
Ion Ratio Lower Upper
84 100
86 64.8 45.2 84.0
49 107.7 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 50.417 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

BFB31

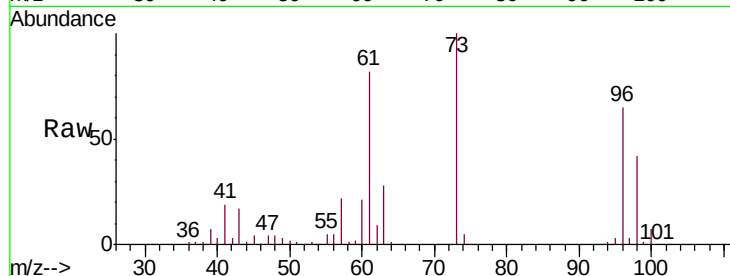
Tgt Ion: 96 Resp: 190752

Ion Ratio Lower Upper

96 100

61 126.7 89.4 166.0

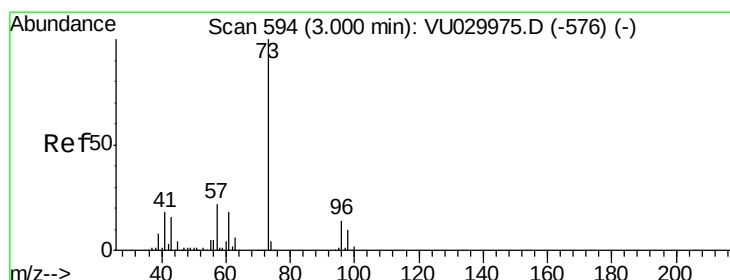
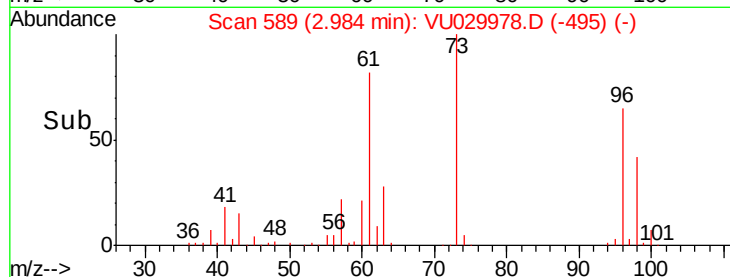
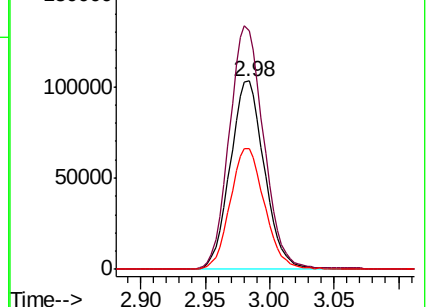
98 64.0 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.619 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

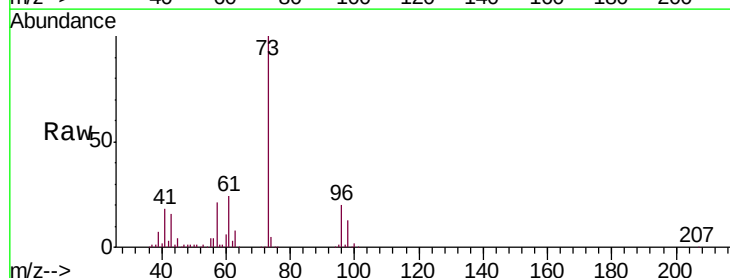
Tgt Ion: 73 Resp: 568007

Ion Ratio Lower Upper

73 100

43 15.9 13.1 19.7

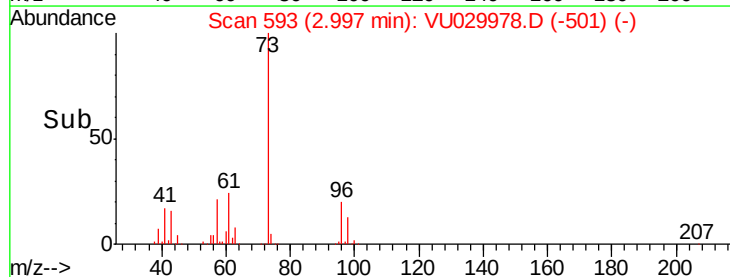
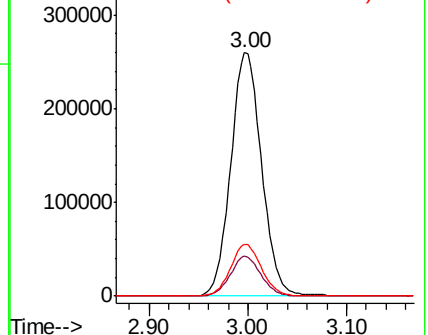
57 21.4 17.1 25.7

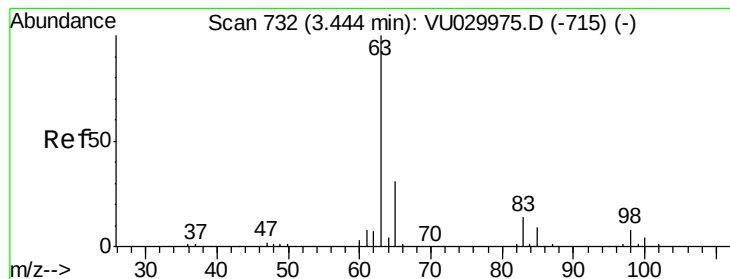


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.589 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

BFB31

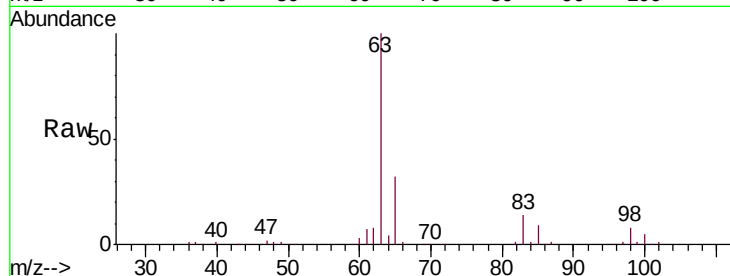
Tgt Ion: 63 Resp: 322135

Ion Ratio Lower Upper

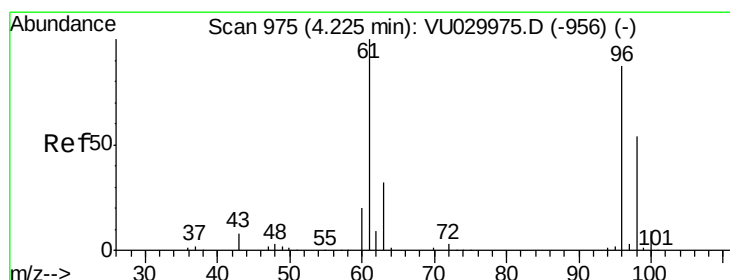
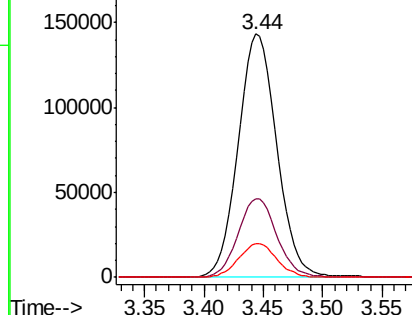
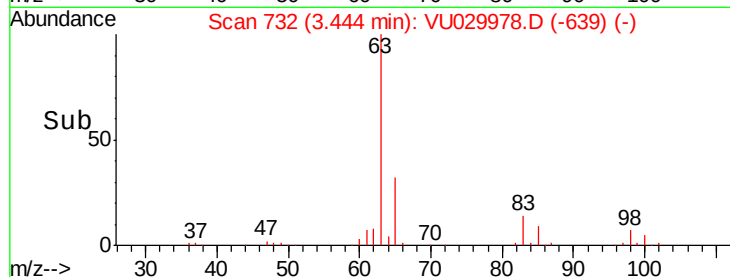
63 100

65 32.2 22.0 41.0

83 14.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 49.796 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

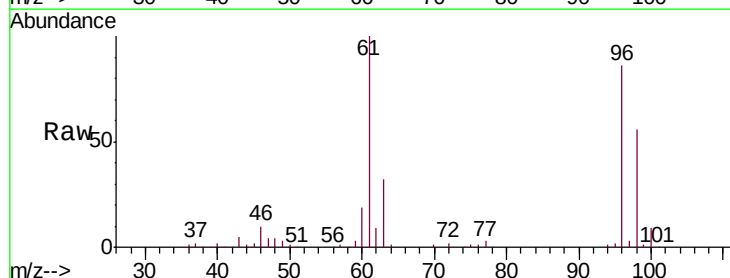
Tgt Ion: 96 Resp: 214483

Ion Ratio Lower Upper

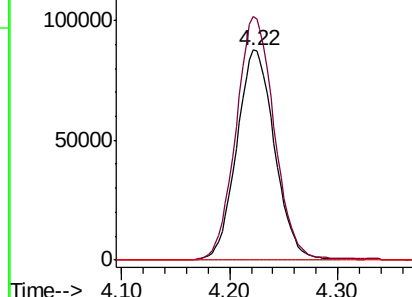
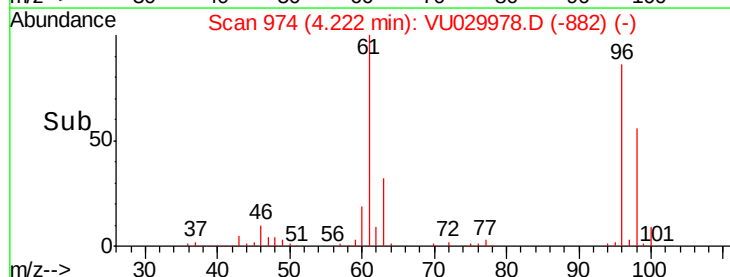
96 100

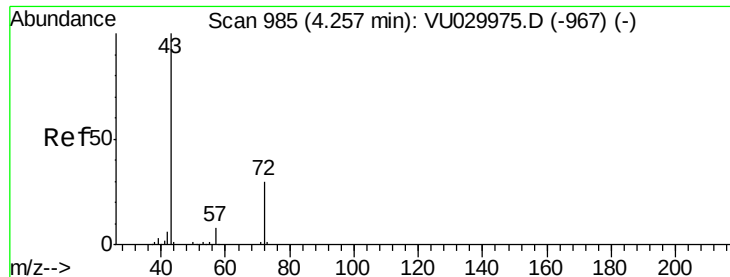
61 115.8 80.8 150.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 93.924 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampled :

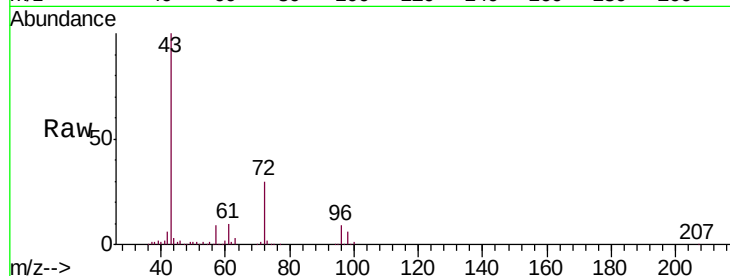
BFB31

Tgt Ion: 43 Resp: 343438

Ion Ratio Lower Upper

43 100

72 30.4 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU029975.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU029975.D (-967) (-)

4.26

150000

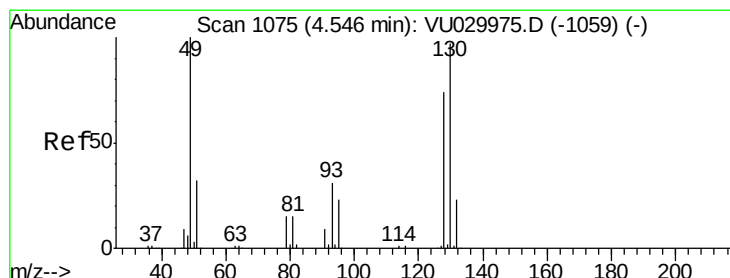
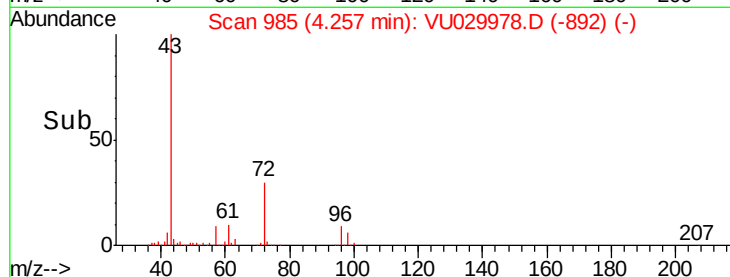
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 49.704 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Tgt Ion: 128 Resp: 110897

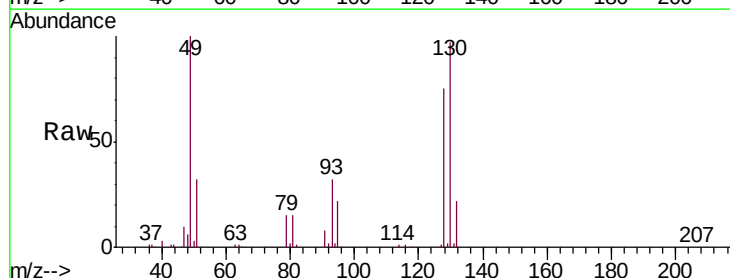
Ion Ratio Lower Upper

128 100

49 132.7 94.5 175.5

130 129.2 91.4 169.8

51 43.0 34.2 51.2



Abundance Ion 128.00 (127.70 to 128.70): VU029978.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VU029978.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VU029978.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VU029978.D (-982) (-)

100000

80000

60000

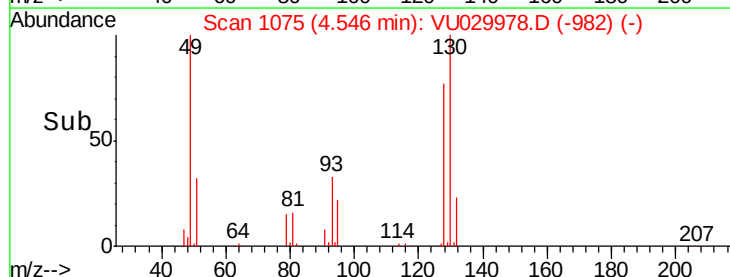
40000

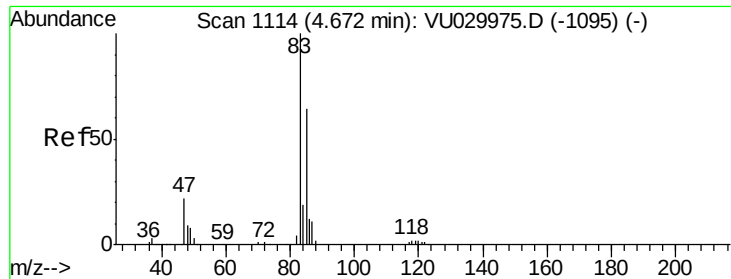
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->

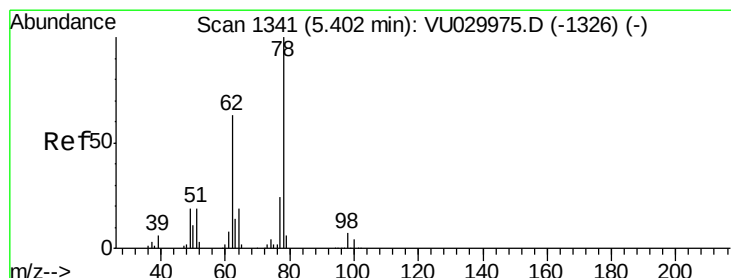
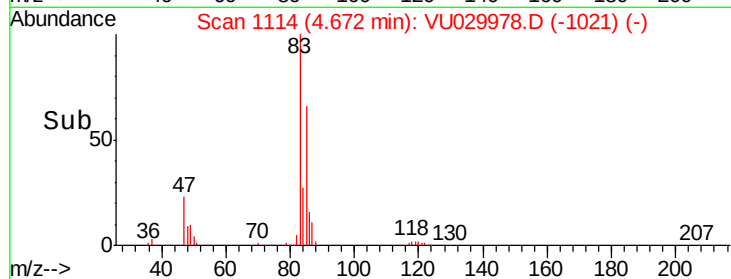
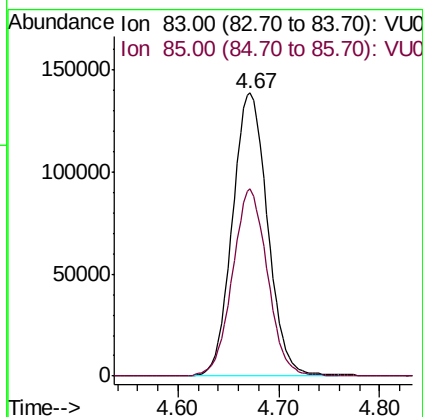
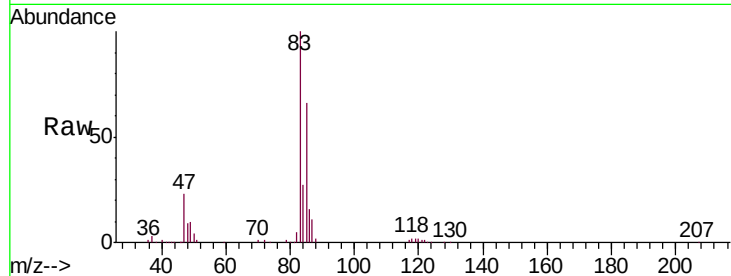




#25
Chloroform
Concen: 49.209 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

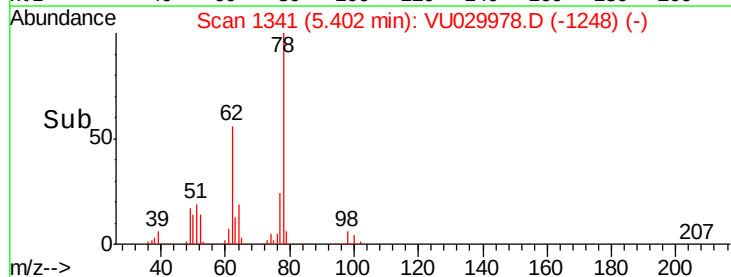
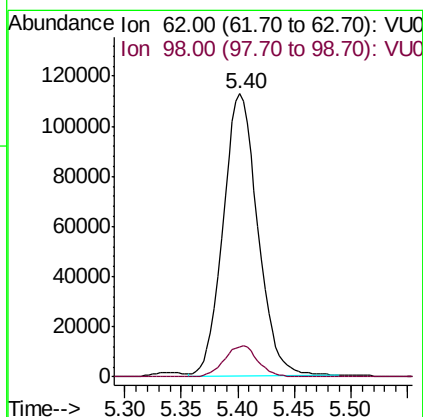
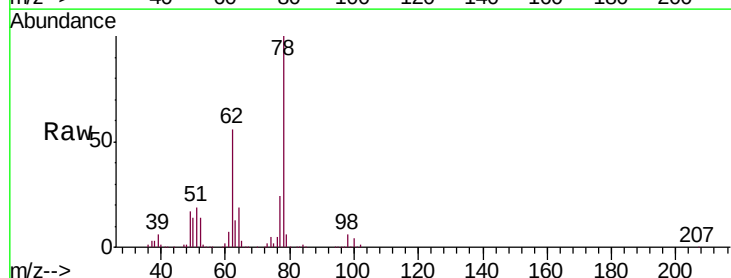
Instrument :
MSVOA_U
ClientSampleId :
BFB31

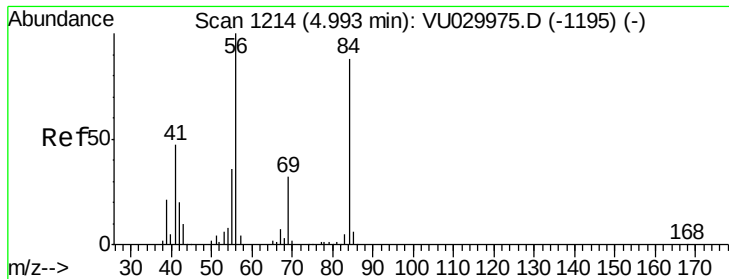
Tgt Ion: 83 Resp: 335507
Ion Ratio Lower Upper
83 100
85 66.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 48.865 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Tgt Ion: 62 Resp: 239526
Ion Ratio Lower Upper
62 100
98 10.7 8.8 13.2

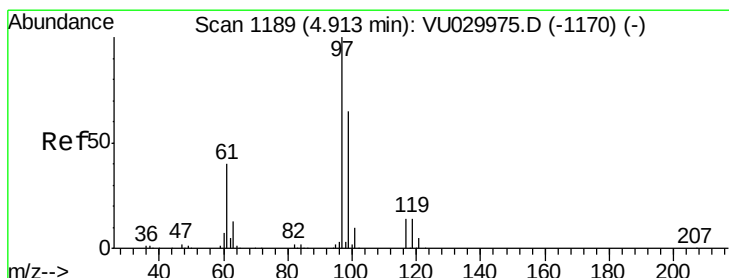
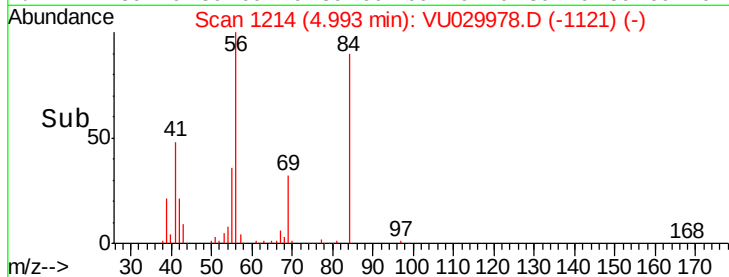
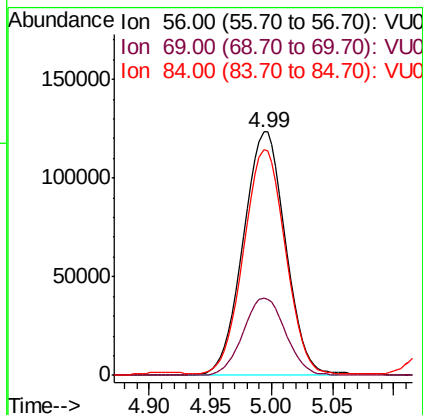
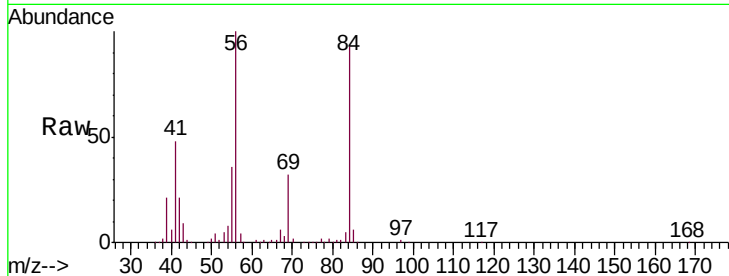




#29
Cyclohexane
Concen: 50.378 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

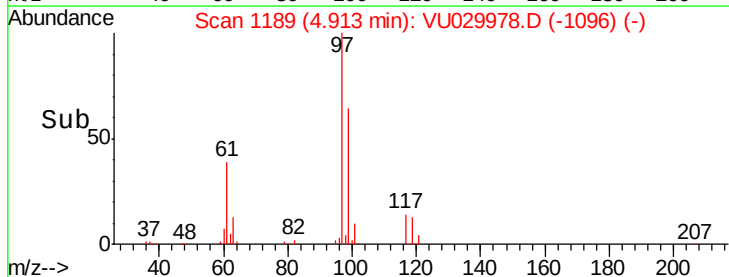
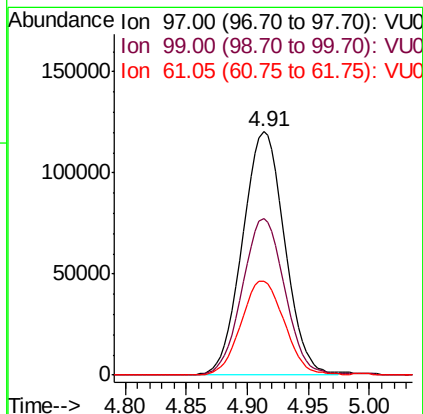
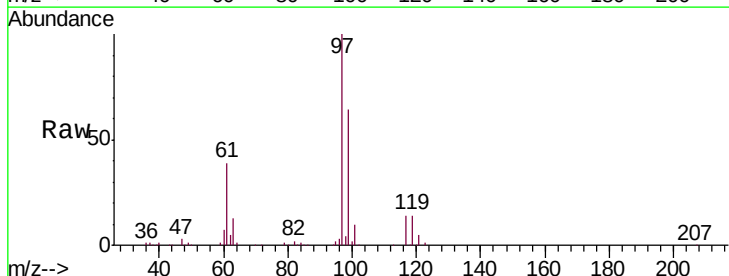
Instrument :
MSVOA_U
ClientSampleId :
BFB31

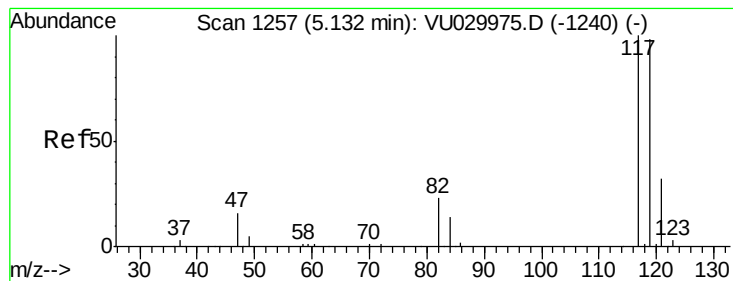
Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.3	37.9
84	91.2	73.5	110.3



#30
1,1,1-Trichloroethane
Concen: 49.566 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	39.8	32.2	48.4





#31

Carbon tetrachloride

Concen: 50.383 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

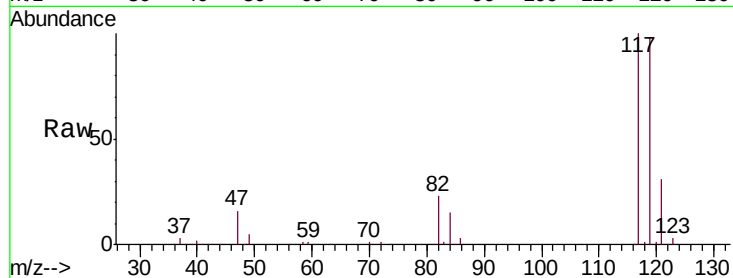
BFB31

Tgt Ion:117 Resp: 259205

Ion Ratio Lower Upper

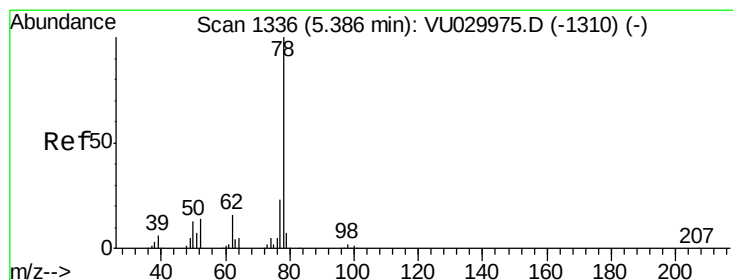
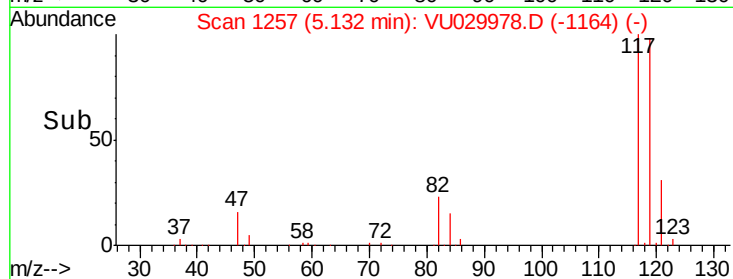
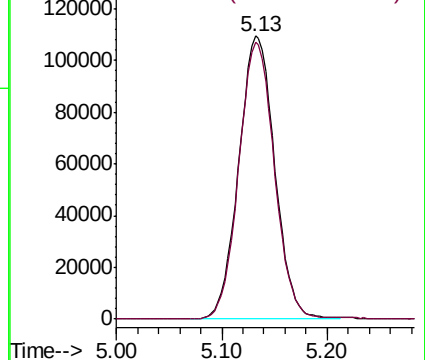
117 100

119 96.8 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.307 ug/L

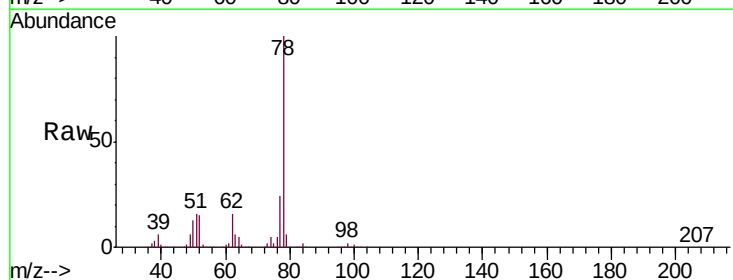
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

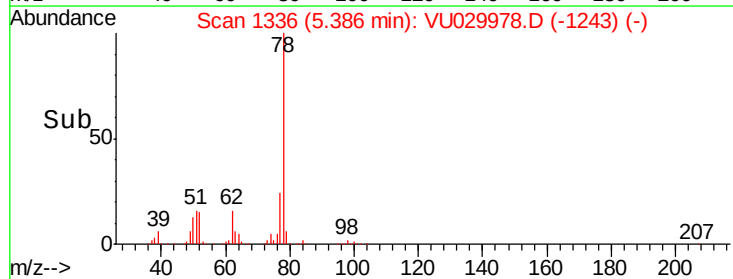
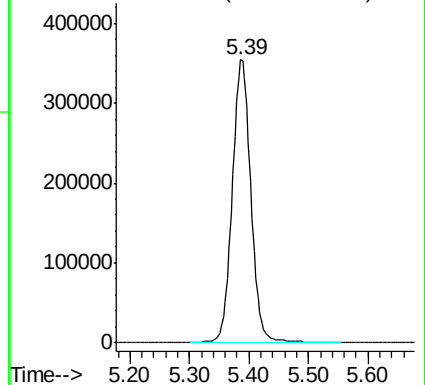
Lab File: VU029978.D

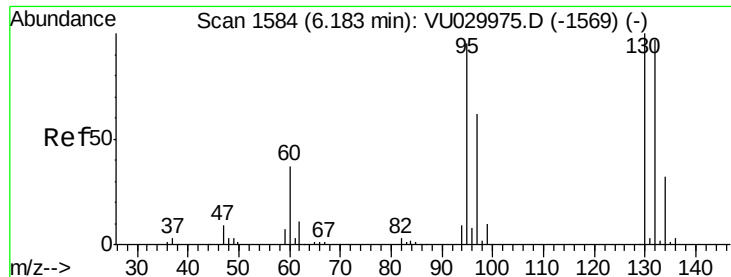
Acq: 11 Mar 2019 19:56

Tgt Ion: 78 Resp: 768275



Abundance Ion 78.00 (77.70 to 78.70): VU0

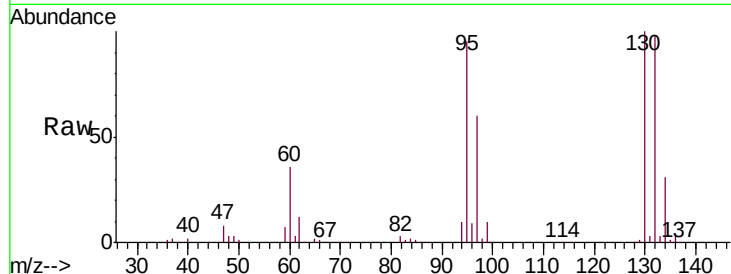




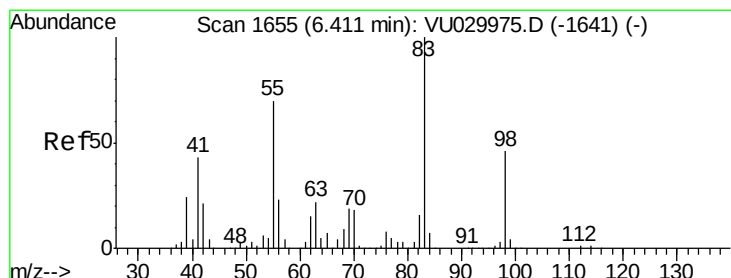
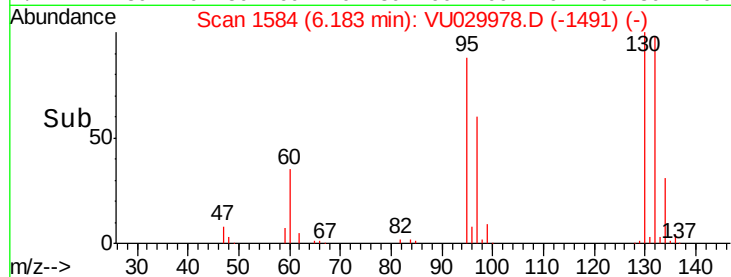
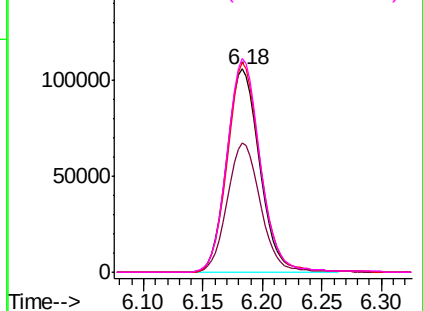
#34
 Trichloroethene
 Concen: 51.103 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

Tgt Ion: 95 Resp: 204539
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.5 84.5
 132 103.1 71.5 132.7
 130 105.2 73.5 136.5

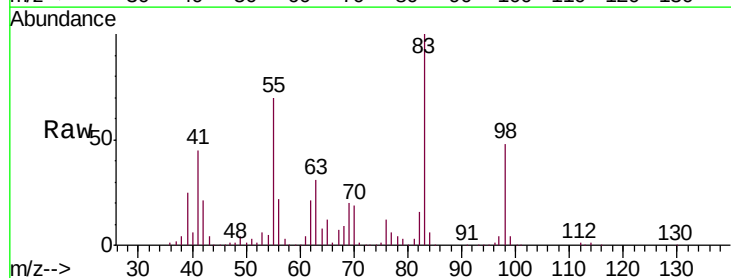


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

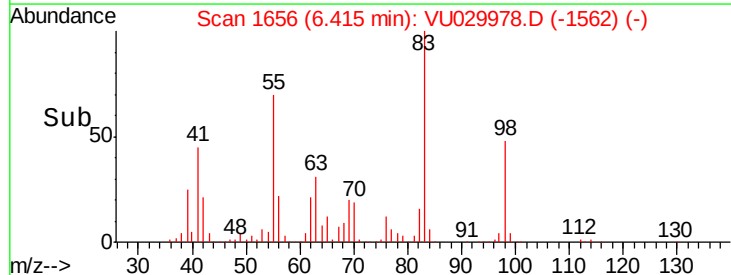
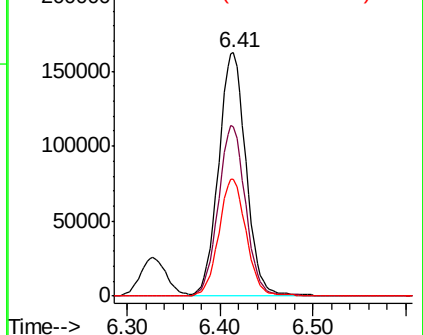


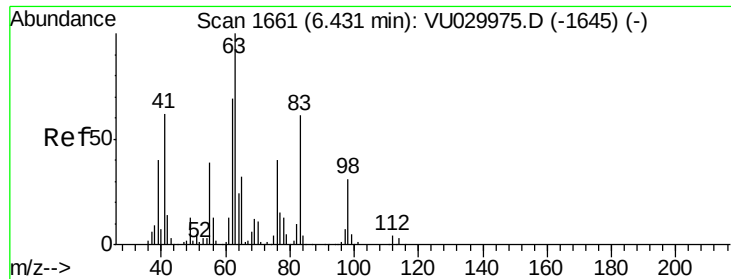
#35
 Methylcyclohexane
 Concen: 51.087 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion: 83 Resp: 331574
 Ion Ratio Lower Upper
 83 100
 55 70.1 56.6 84.8
 98 47.6 37.8 56.6



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

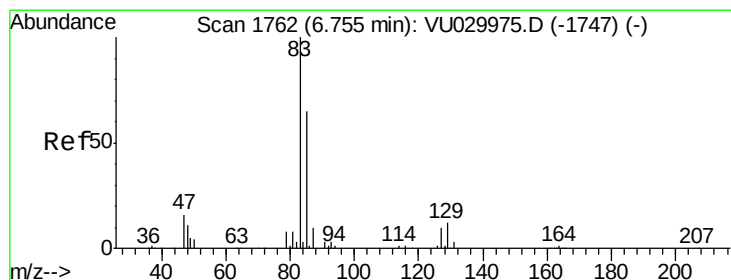
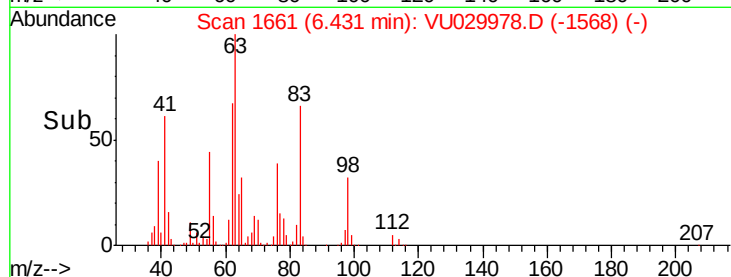
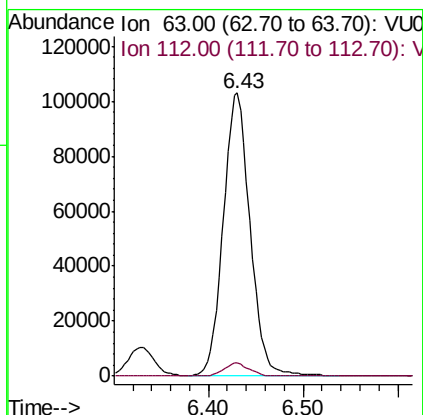
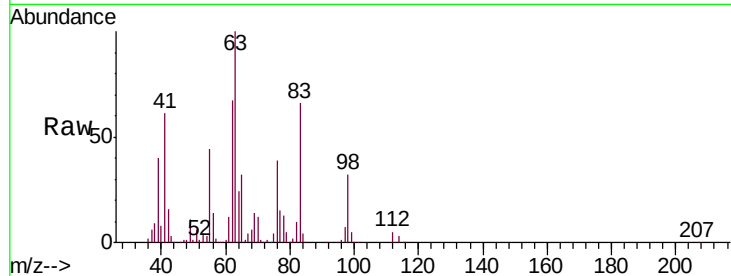




#37
 1,2-Dichloropropane
 Concen: 50.247 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

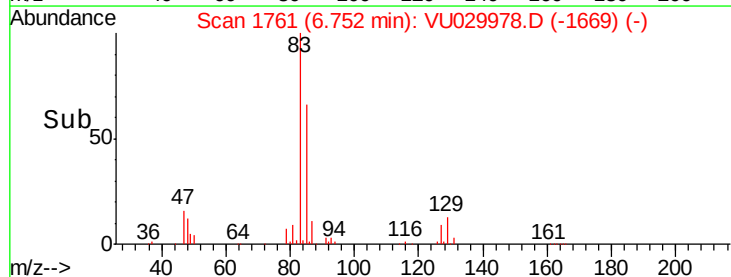
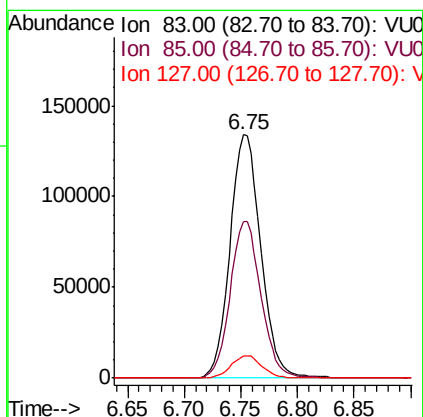
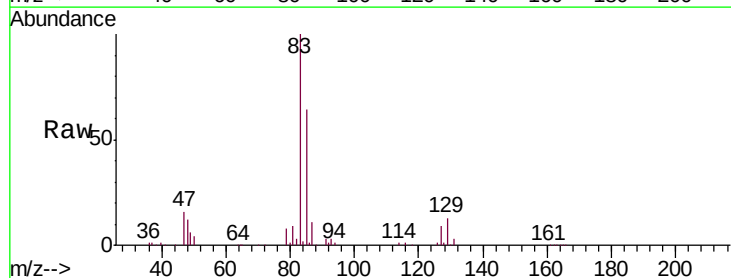
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

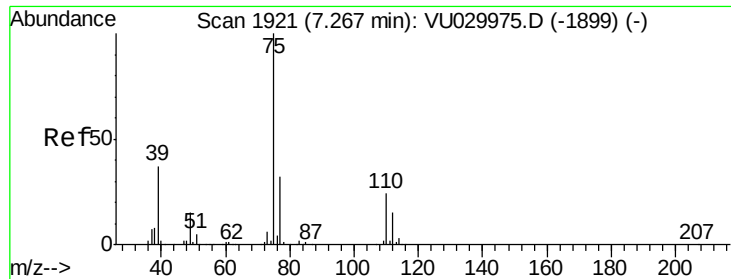
Tgt Ion: 63 Resp: 201843
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.984 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion: 83 Resp: 254679
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.7 84.9
 127 8.9 7.7 11.5

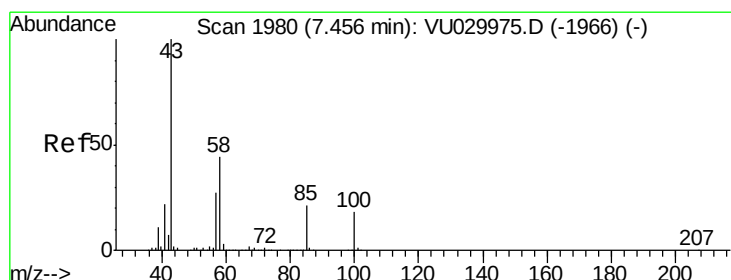
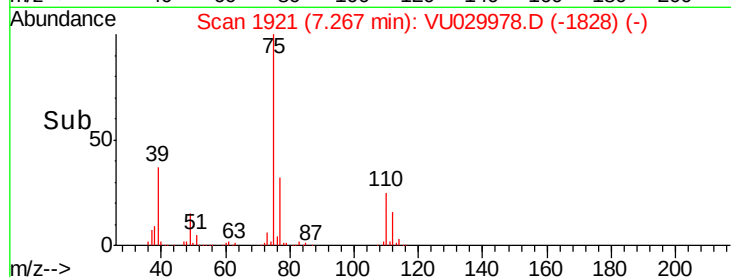
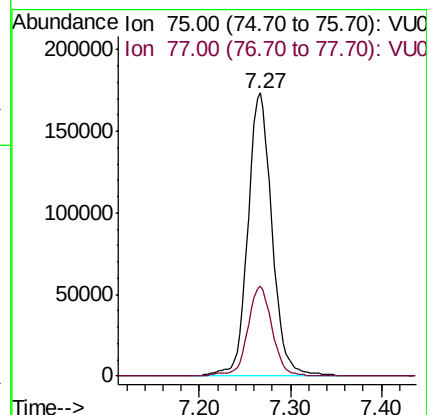
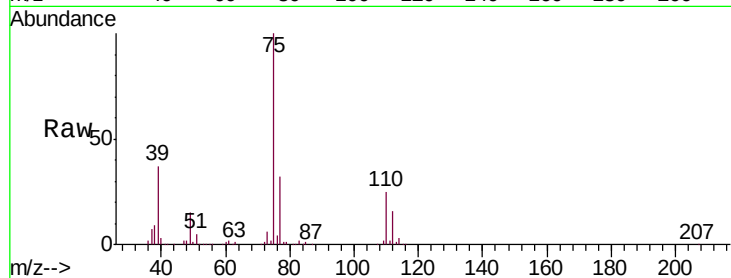




#39
 cis-1,3-Dichloropropene
 Concen: 51.305 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

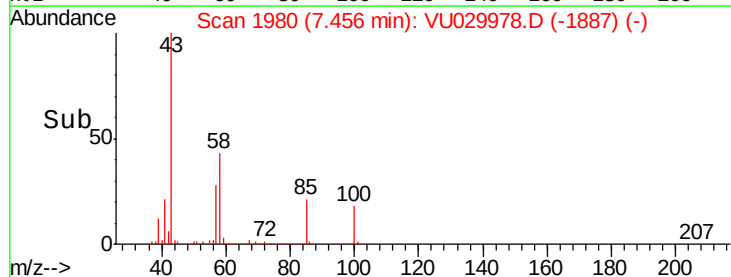
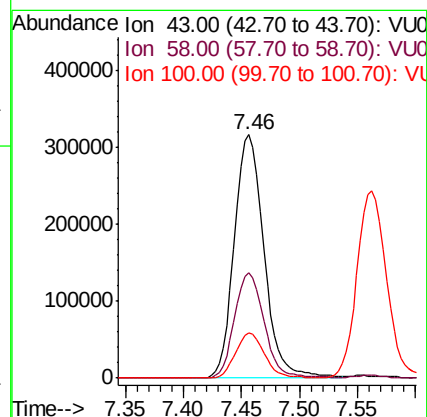
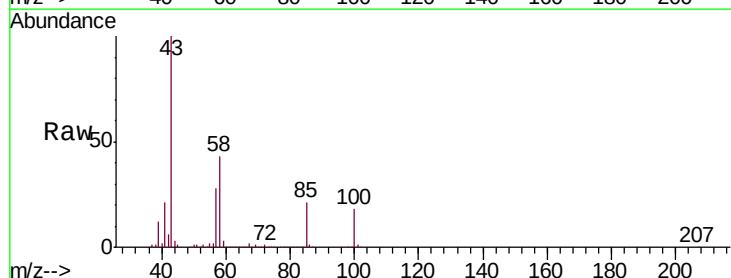
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

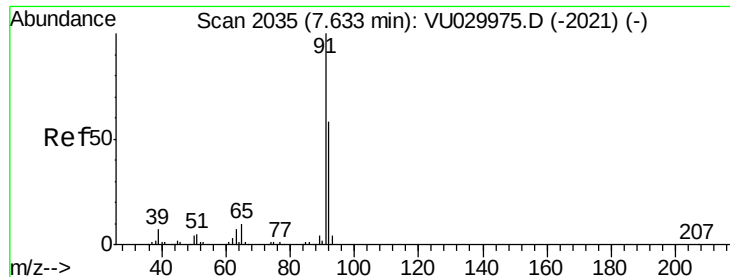
Tgt Ion: 75 Resp: 320721
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 103.857 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion: 43 Resp: 563311
 Ion Ratio Lower Upper
 43 100
 58 43.4 35.1 52.7
 100 18.2 14.4 21.6





#42

Toluene

Concen: 51.001 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

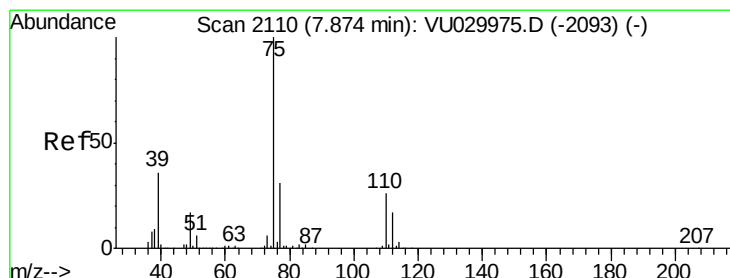
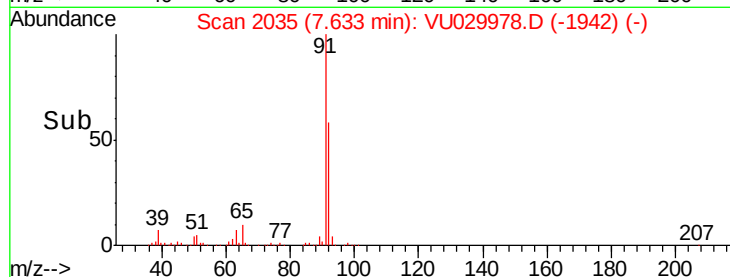
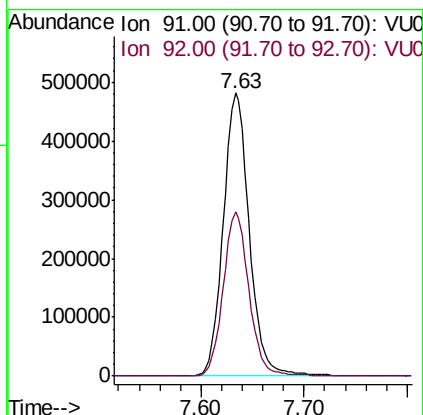
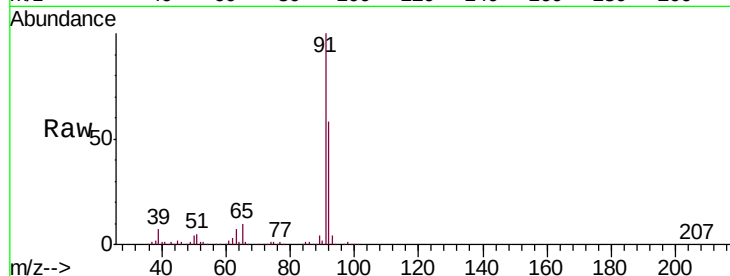
BFB31

Tgt Ion: 91 Resp: 846826

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 51.421 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029978.D

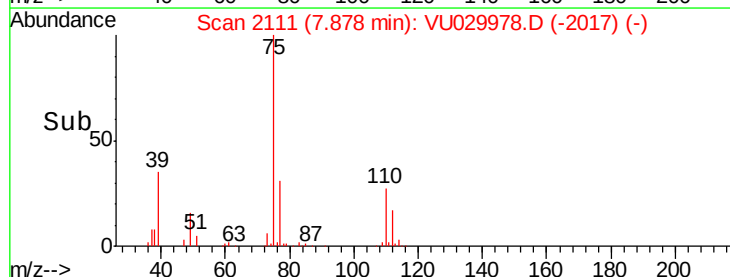
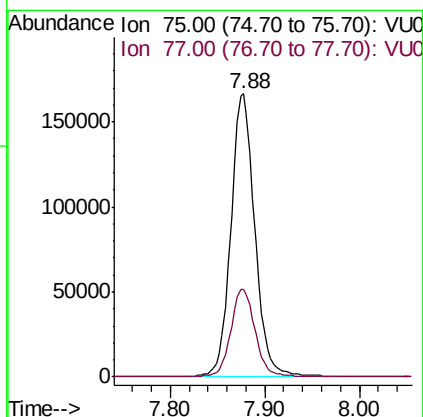
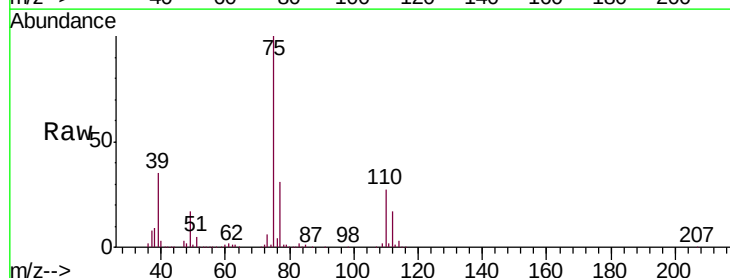
Acq: 11 Mar 2019 19:56

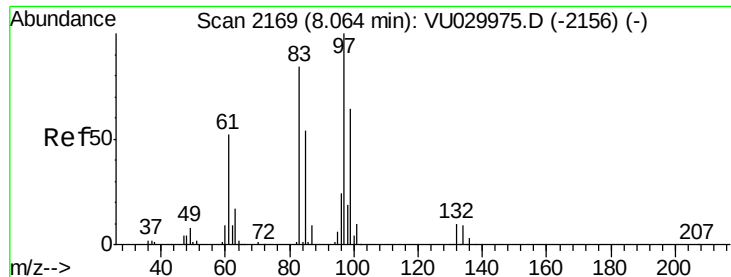
Tgt Ion: 75 Resp: 293497

Ion Ratio Lower Upper

75 100

77 31.0 21.9 40.7

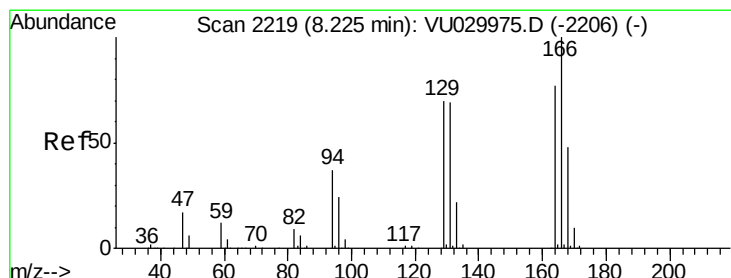
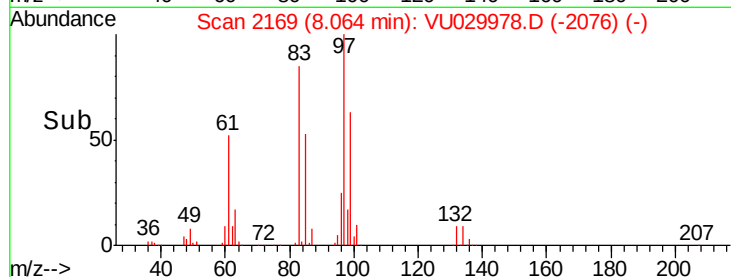
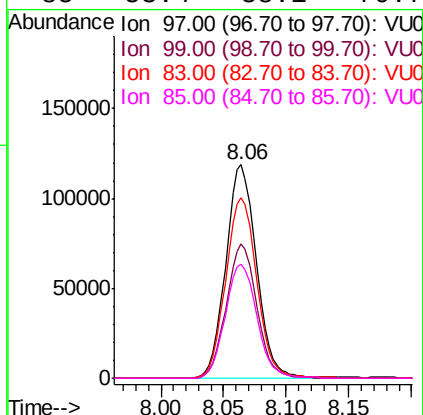
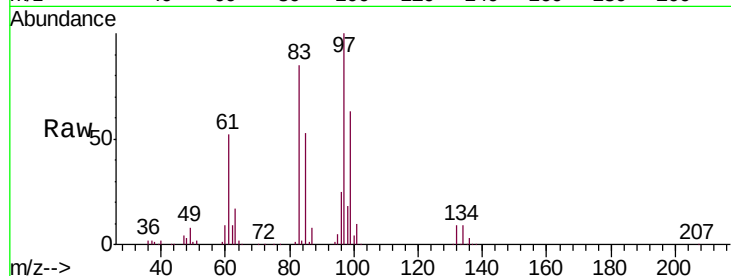




#45
 1,1,2-Trichloroethane
 Concen: 50.364 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

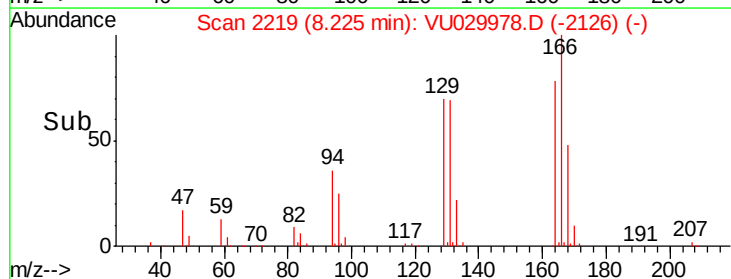
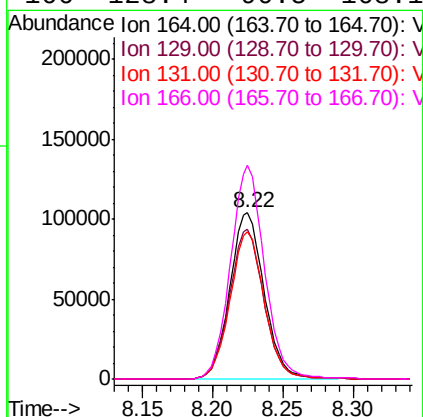
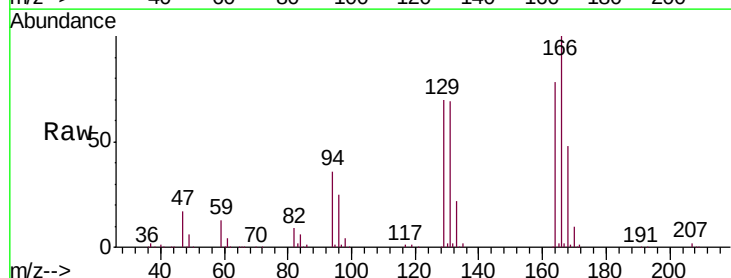
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

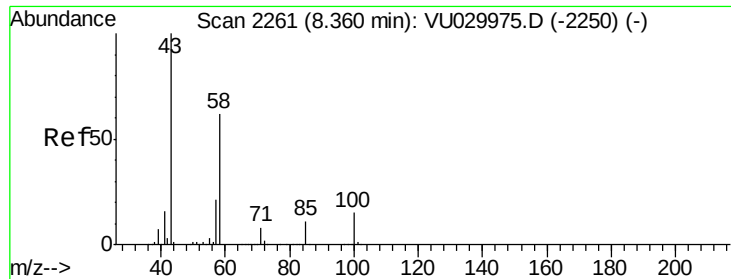
Tgt Ion:	97	Resp:	202325
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.7	82.9
83	84.8	58.6	108.8
85	53.4	38.1	70.7



#46
 Tetrachloroethene
 Concen: 50.588 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion:	164	Resp:	177194
Ion	Ratio	Lower	Upper
164	100		
129	89.7	63.3	117.7
131	88.6	62.0	115.2
166	128.4	90.5	168.1

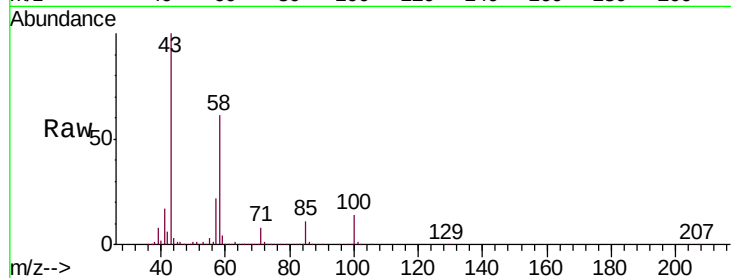




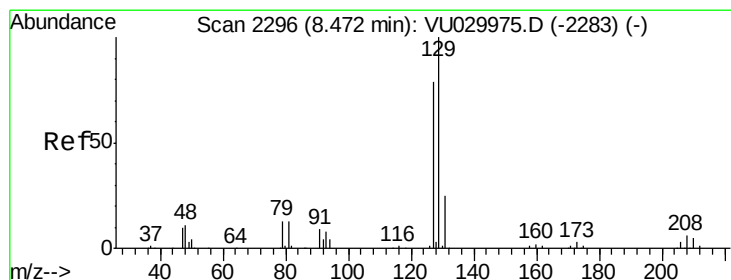
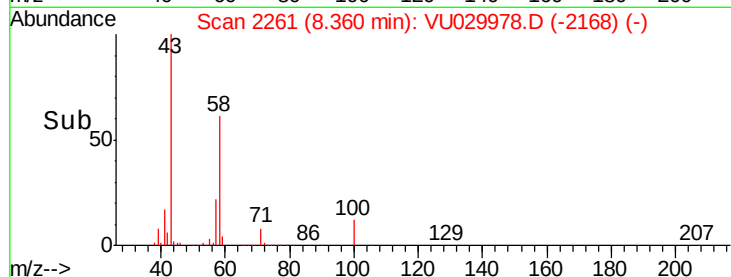
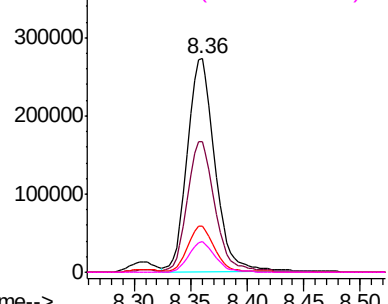
#48
2-Hexanone
Concen: 100.033 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Instrument :
MSVOA_U
ClientSampleId :
BFB31

Tgt Ion:	43	Resp:	462871
Ion	Ratio	Lower	Upper
43	100		
58	61.9	48.6	72.8
57	21.4	16.1	24.1
100	13.9	11.6	17.4

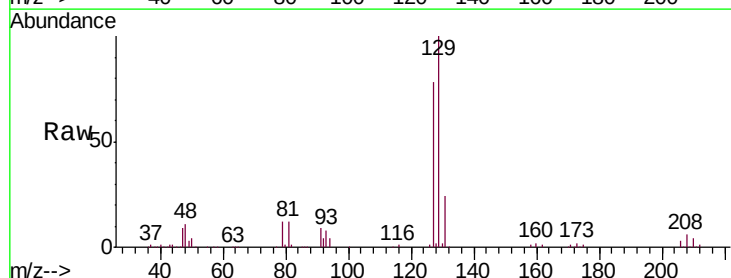


Abundance Ion 43.00 (42.70 to 43.70): VU029975.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU029975.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU029975.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU029975.D (-2250) (-)

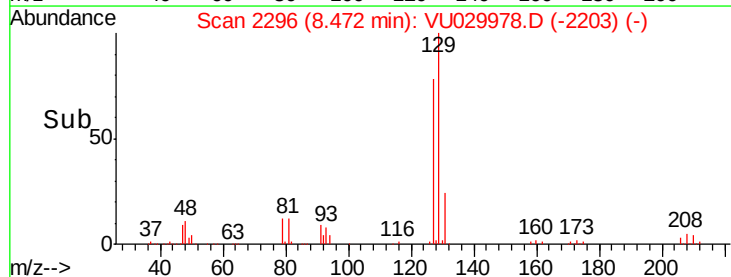
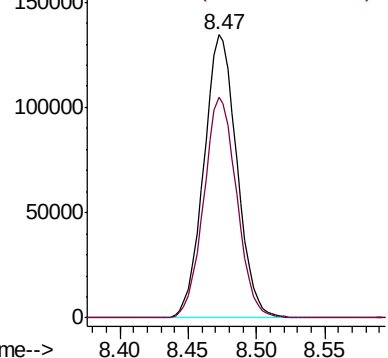


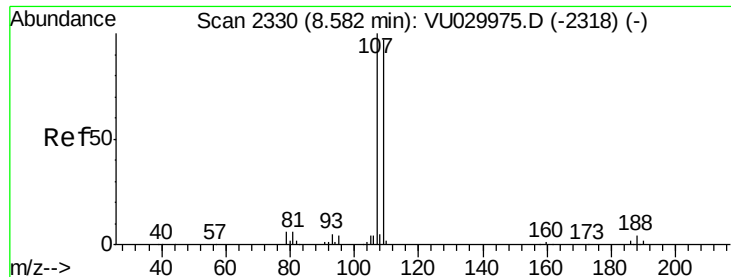
#49
Dibromochloromethane
Concen: 50.555 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Tgt Ion:	129	Resp:	226912
Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): VU029975.D (-2283) (-)
Ion 127.00 (126.70 to 127.70): VU029975.D (-2283) (-)

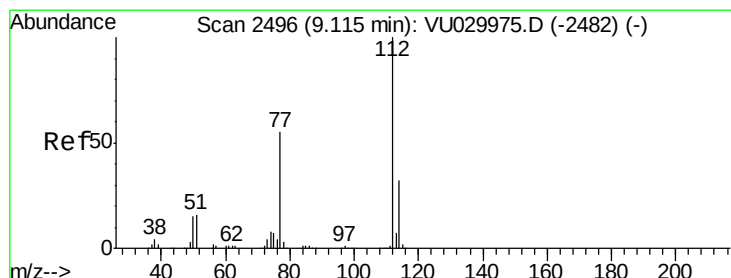
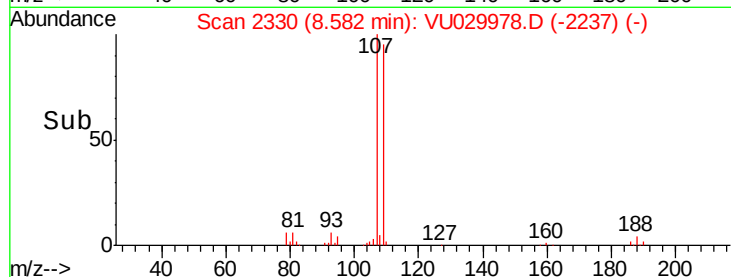
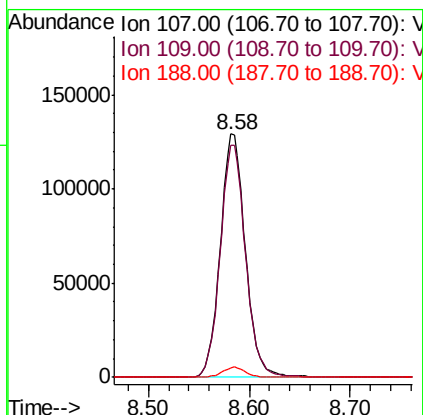
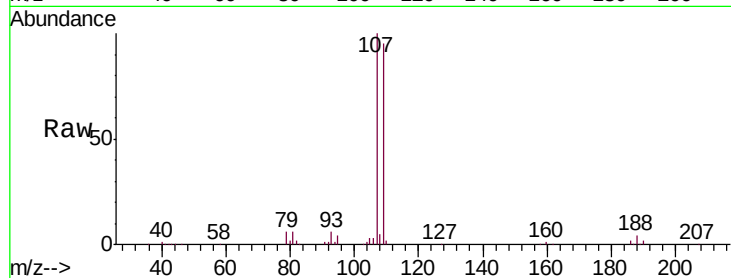




#50
1,2-Dibromoethane
Concen: 50.659 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

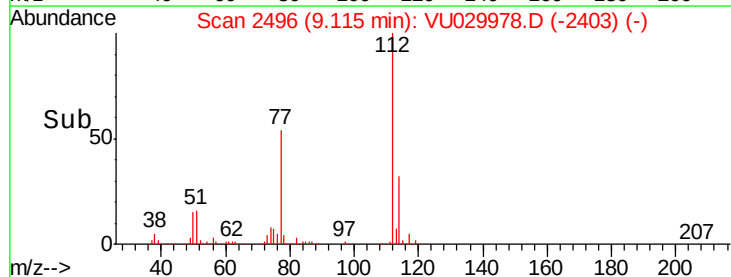
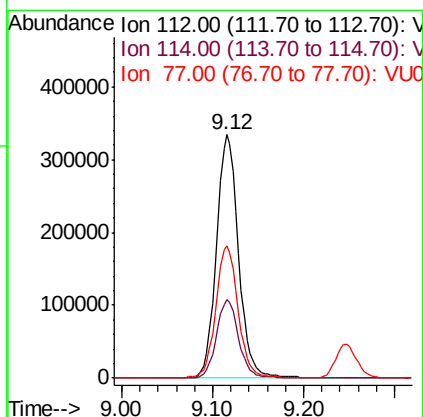
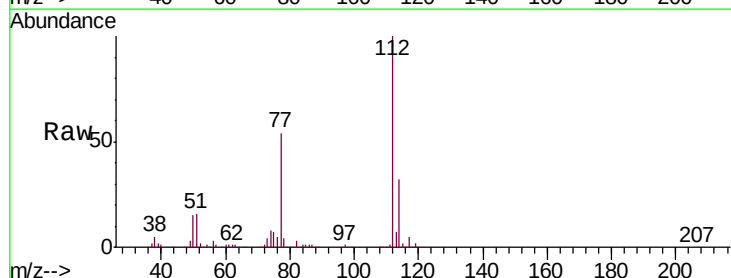
Instrument :
MSVOA_U
ClientSampleId :
BFB31

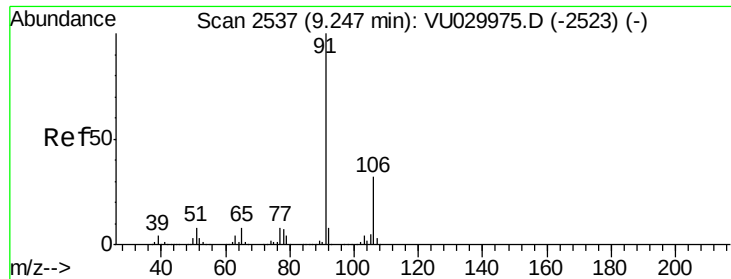
Tgt Ion:107 Resp: 224321
Ion Ratio Lower Upper
107 100
109 95.2 67.8 126.0
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 50.189 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029978.D
Acq: 11 Mar 2019 19:56

Tgt Ion:112 Resp: 561826
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 54.4 44.6 66.8





#52

Ethylbenzene

Concen: 51.057 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

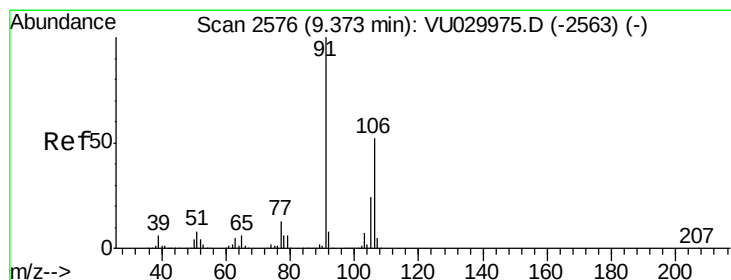
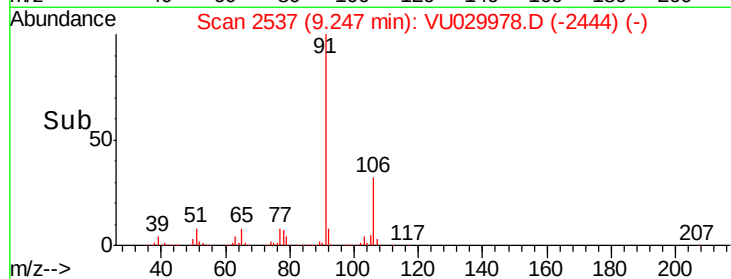
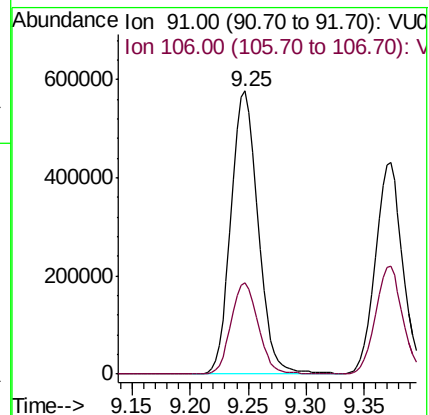
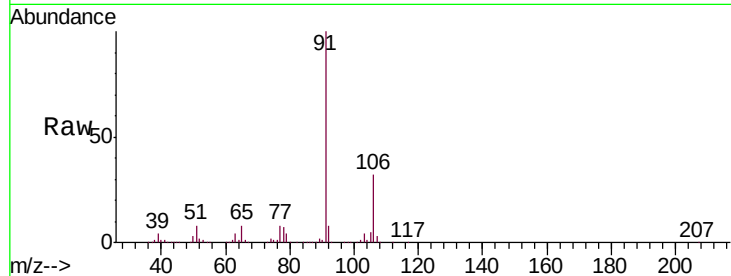
BFB31

Tgt Ion: 91 Resp: 933263

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#53

m,p-Xylene

Concen: 51.655 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029978.D

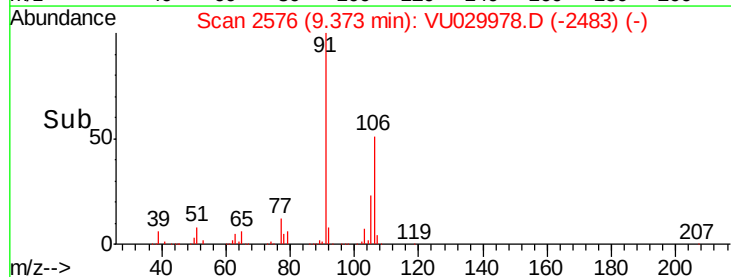
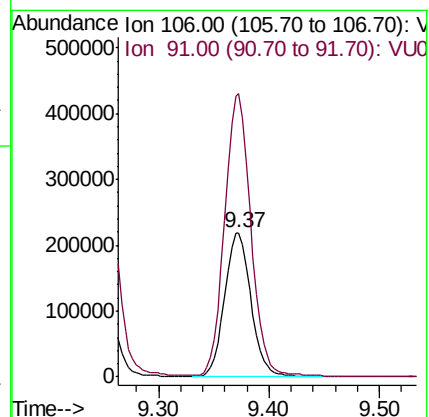
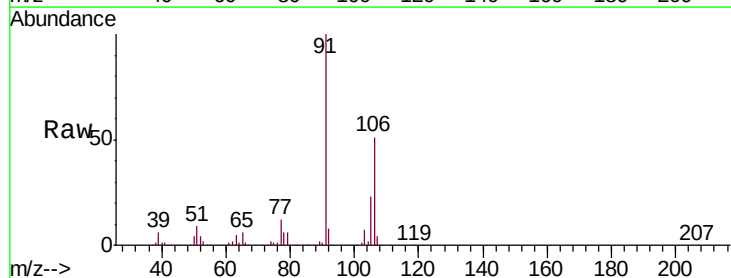
Acq: 11 Mar 2019 19:56

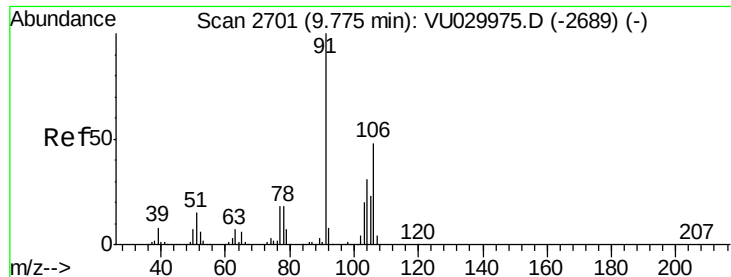
Tgt Ion: 106 Resp: 365300

Ion Ratio Lower Upper

106 100

91 196.1 135.1 250.9





#54

o-xylene

Concen: 51.773 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

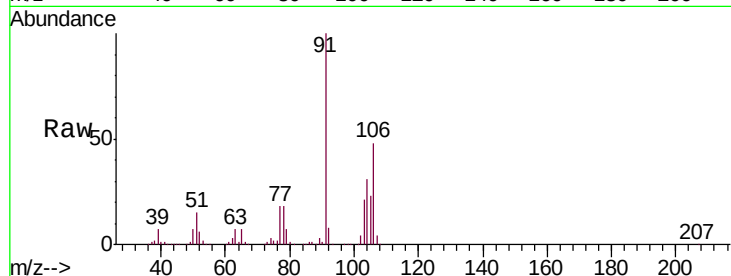
BFB31

Tgt Ion:106 Resp: 359630

Ion Ratio Lower Upper

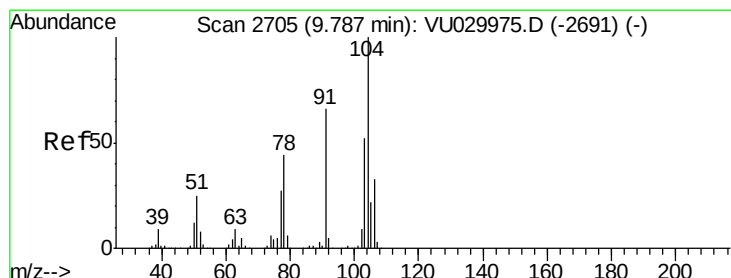
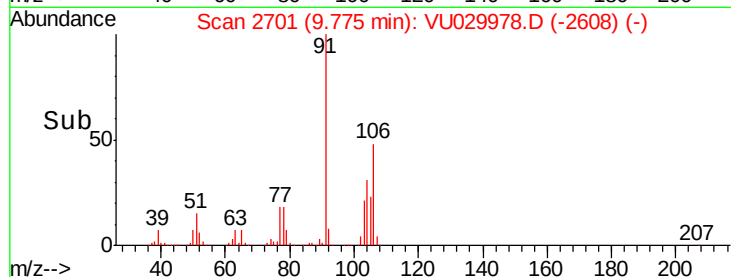
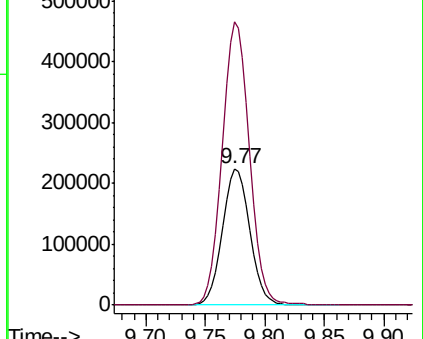
106 100

91 207.7 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.160 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029978.D

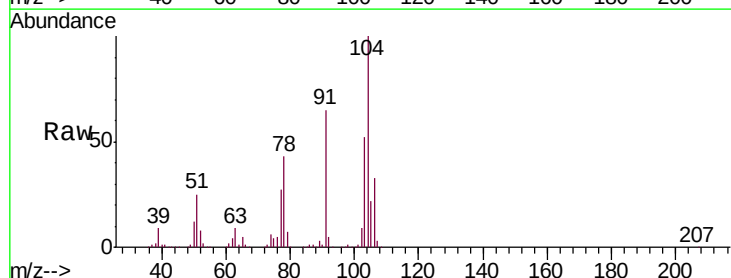
Acq: 11 Mar 2019 19:56

Tgt Ion:104 Resp: 616932

Ion Ratio Lower Upper

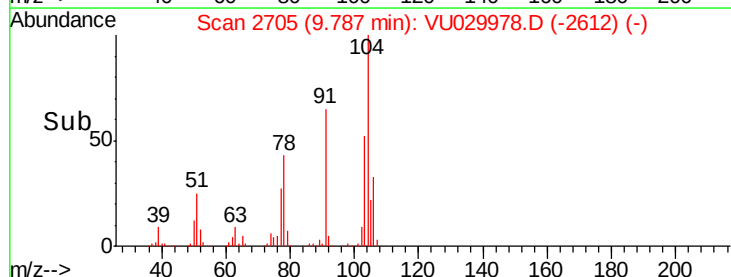
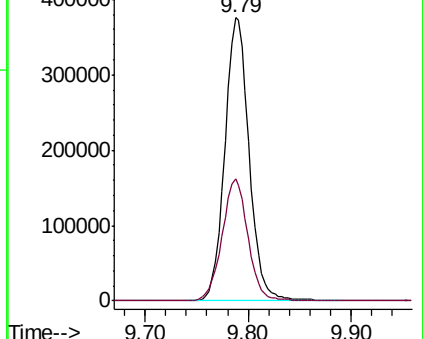
104 100

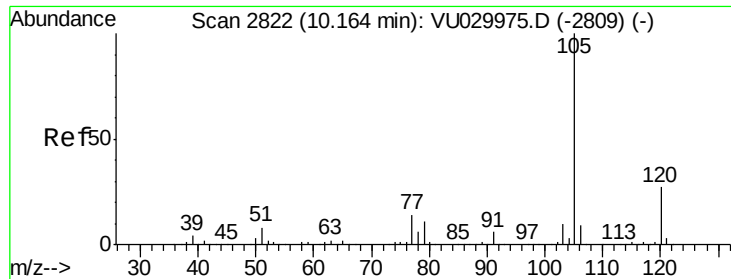
78 43.0 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.200 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

BFB31

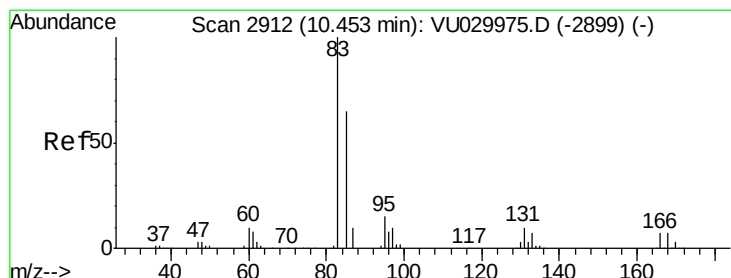
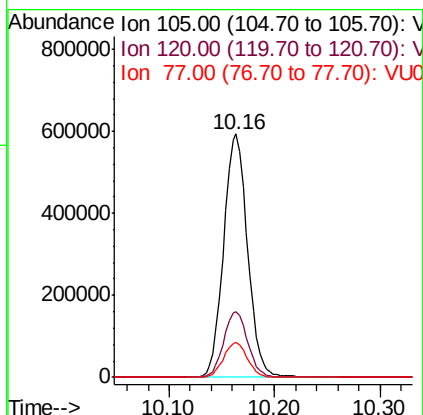
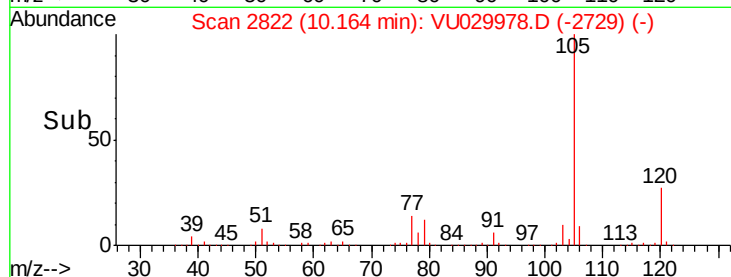
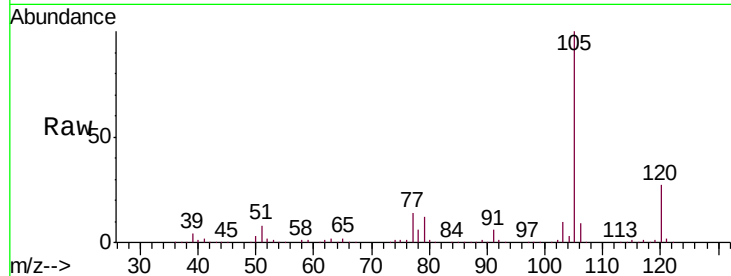
Tgt Ion: 105 Resp: 931078

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

77 14.3 11.1 16.7



#58

1,1,2,2-Tetrachloroethane

Concen: 50.674 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

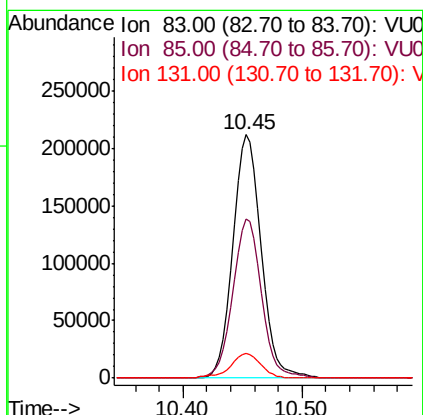
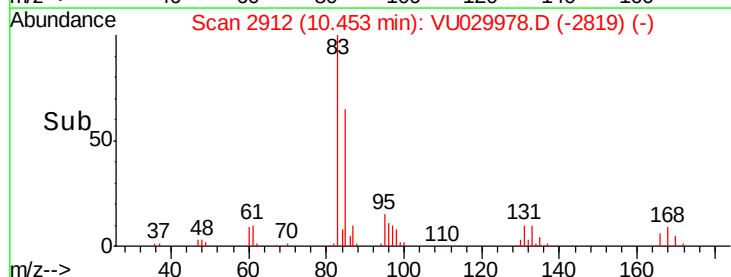
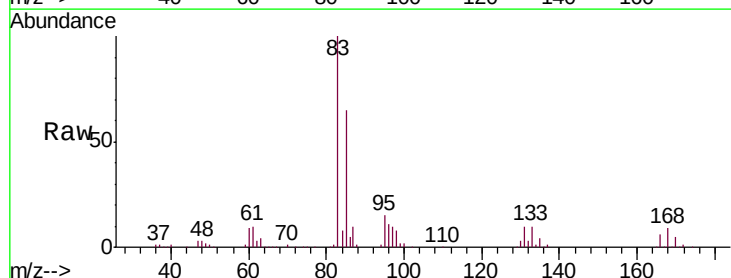
Tgt Ion: 83 Resp: 349399

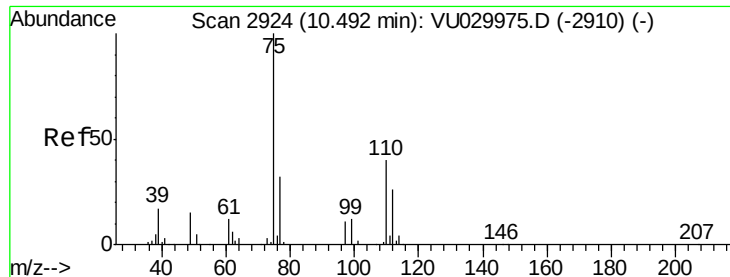
Ion Ratio Lower Upper

83 100

85 65.3 45.9 85.3

131 10.0 8.5 12.7

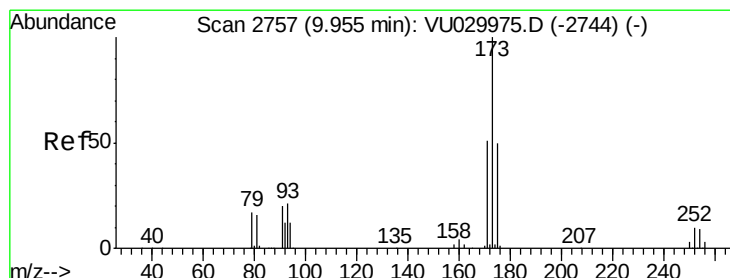
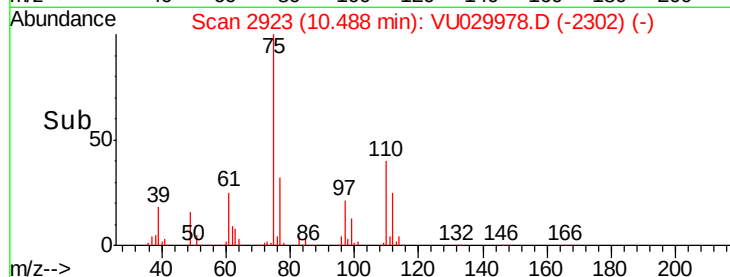
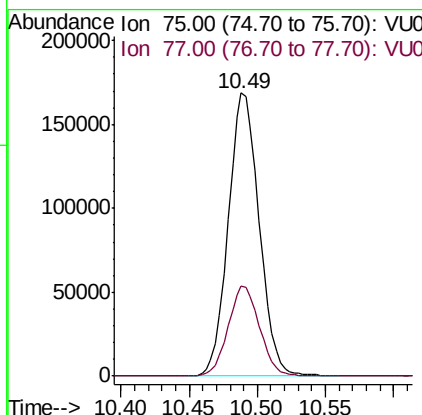
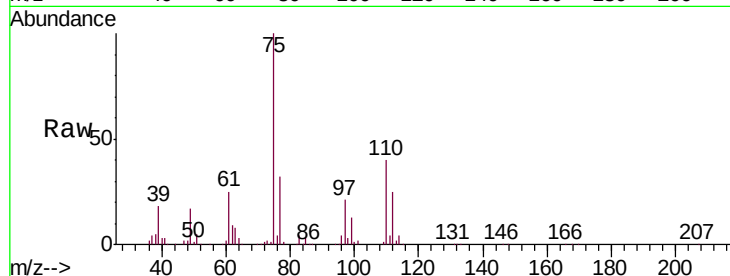




#59
 1,2,3-Trichloropropane
 Concen: 50.867 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

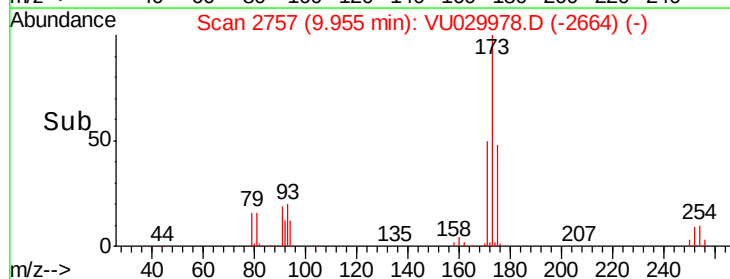
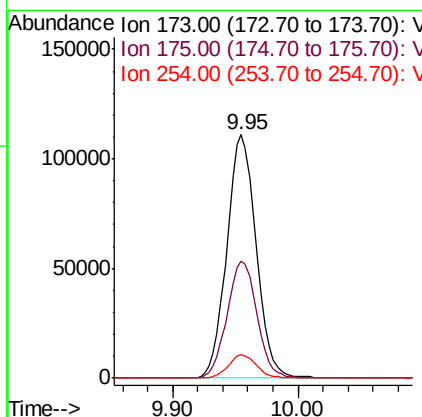
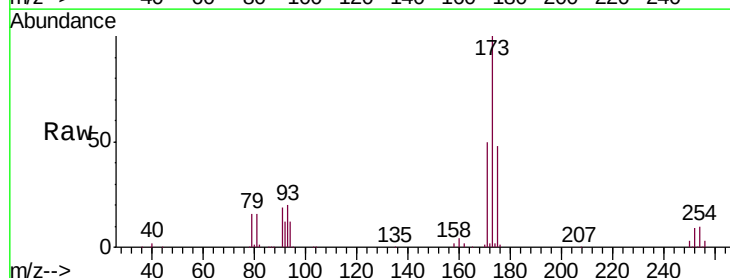
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

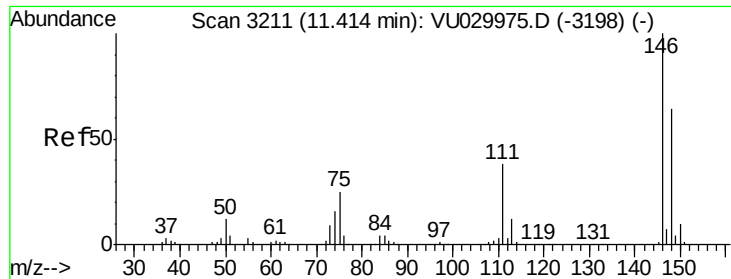
Tgt Ion: 75 Resp: 266114
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8



#61
 Bromoform
 Concen: 51.834 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion: 173 Resp: 179982
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.6
 254 9.3 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 51.096 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

BFB31

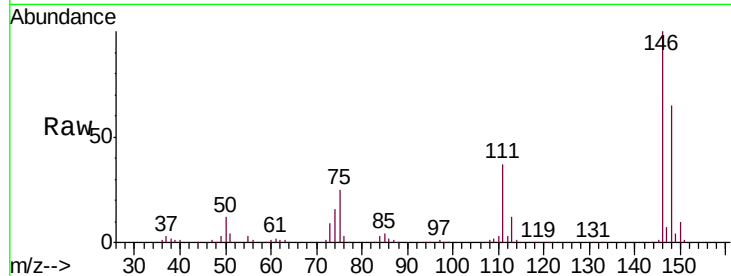
Tgt Ion:146 Resp: 460306

Ion Ratio Lower Upper

146 100

111 37.4 26.7 49.5

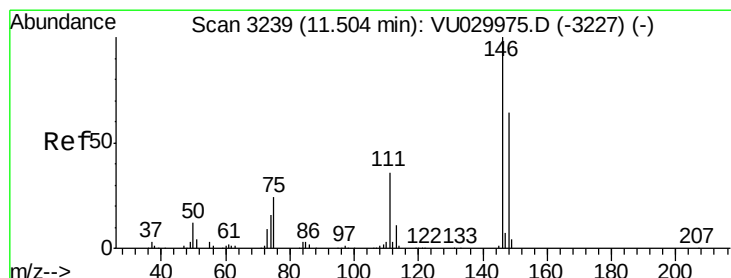
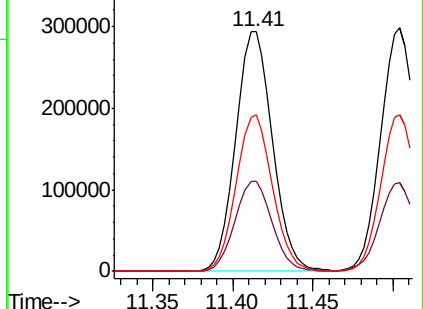
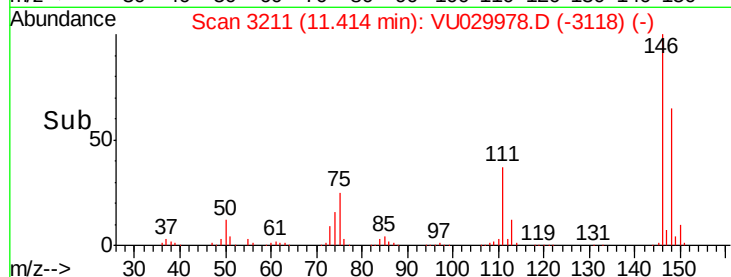
148 65.2 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.354 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

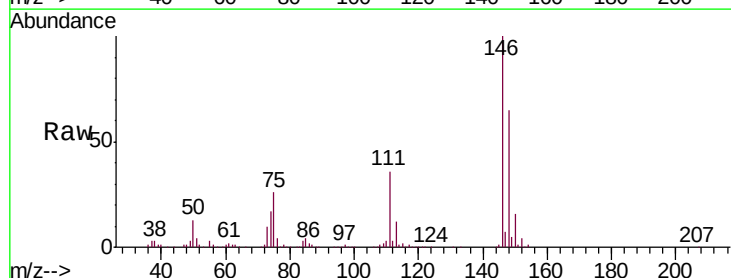
Tgt Ion:146 Resp: 470418

Ion Ratio Lower Upper

146 100

111 36.3 25.5 47.3

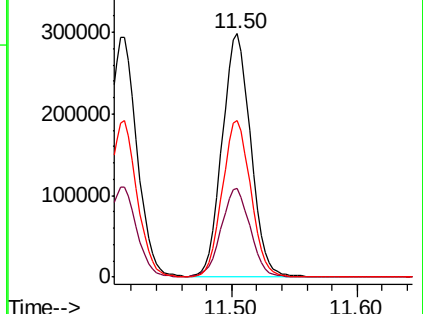
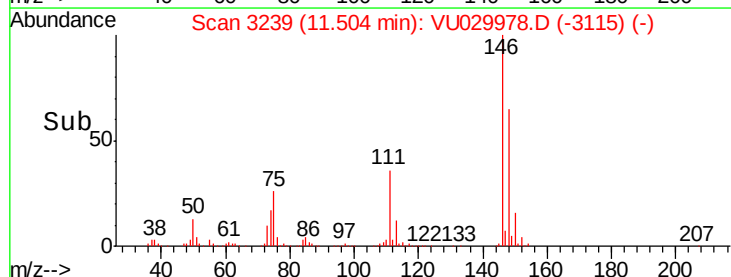
148 64.6 45.0 83.6

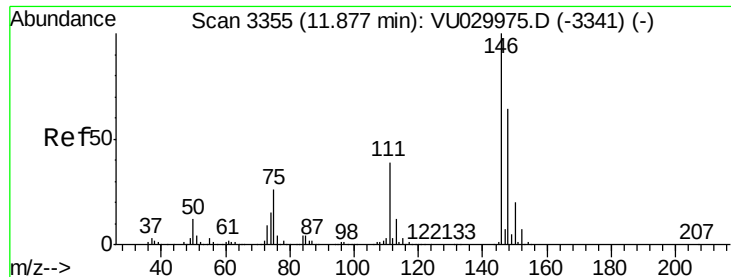


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

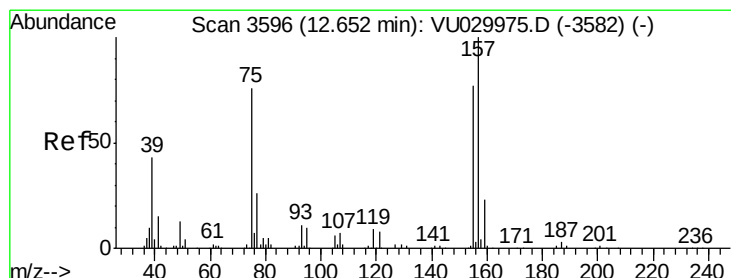
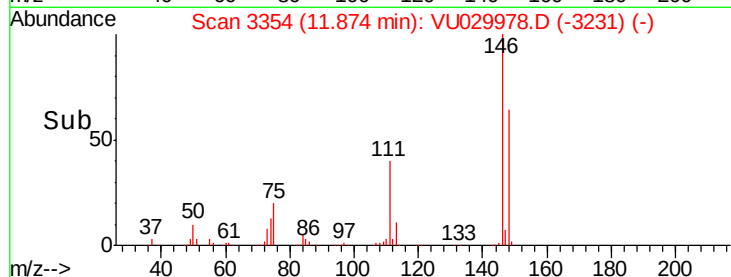
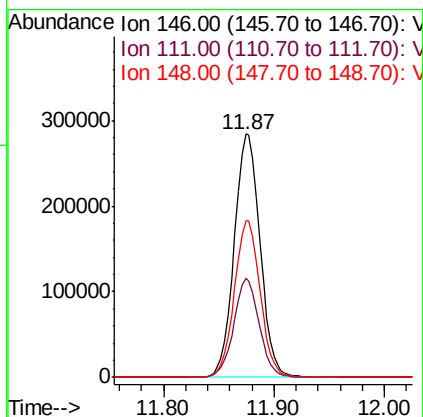
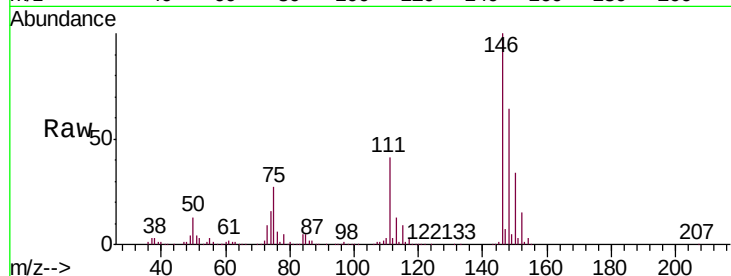




#65
 1,2-Dichlorobenzene
 Concen: 50.915 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

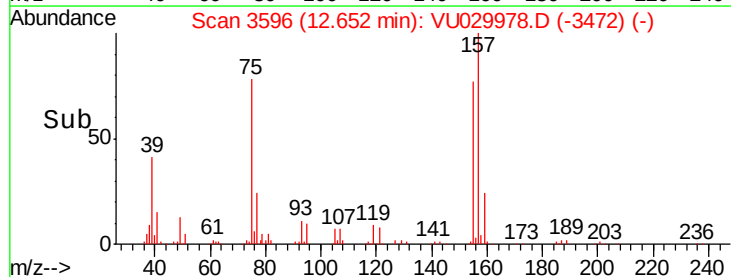
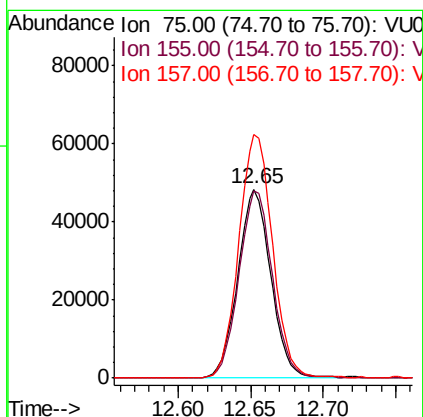
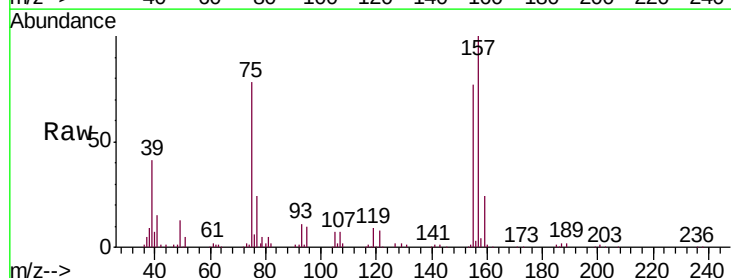
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

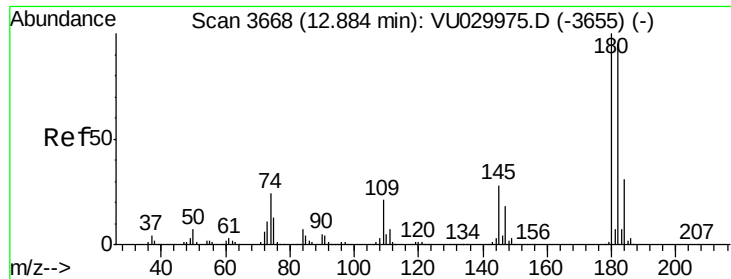
Tgt Ion: 146 Resp: 461691
 Ion Ratio Lower Upper
 146 100
 111 40.7 30.9 46.3
 148 64.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.127 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion: 75 Resp: 76812
 Ion Ratio Lower Upper
 75 100
 155 99.2 80.9 121.3
 157 128.8 104.6 156.8

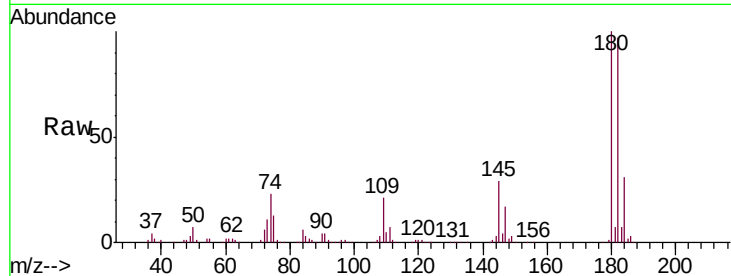




#67
 1,3,5-Trichlorobenzene
 Concen: 51.112 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.3	114.5
184	30.9	24.7	37.1
145	28.7	22.3	33.5



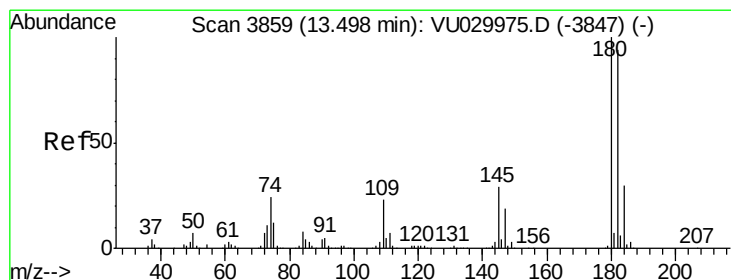
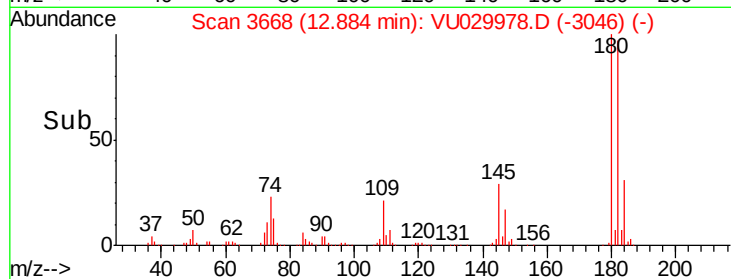
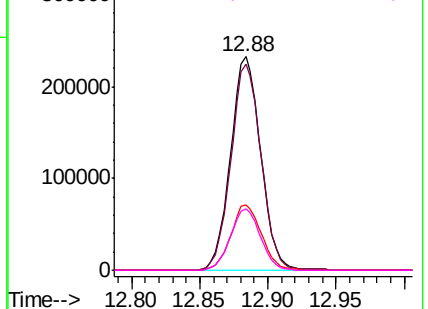
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

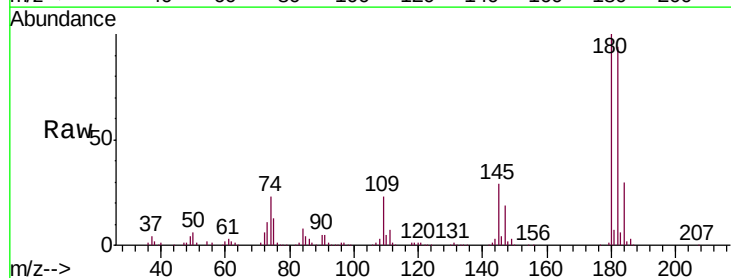
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.691 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029978.D
 Acq: 11 Mar 2019 19:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
145	28.5	23.0	34.4

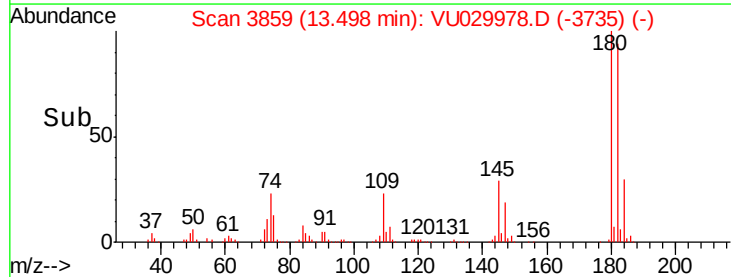
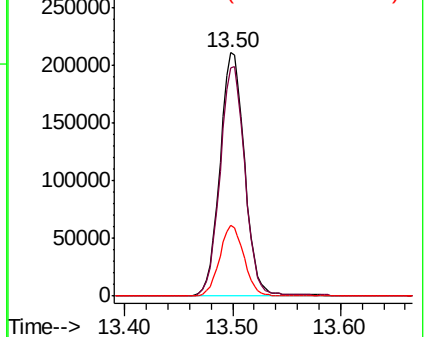


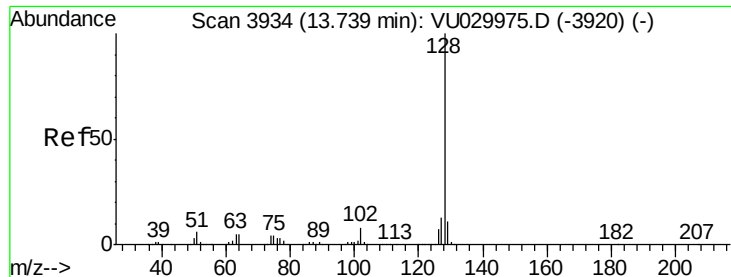
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.248 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

BFB31

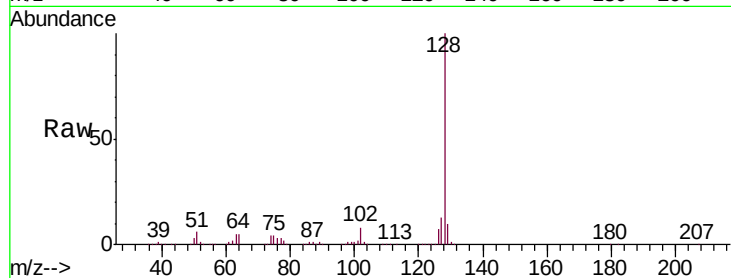
Tgt Ion:128 Resp: 1148092

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

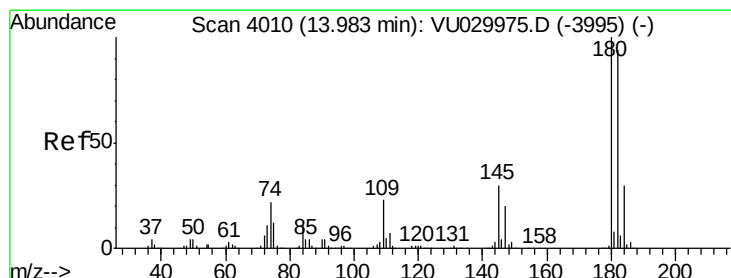
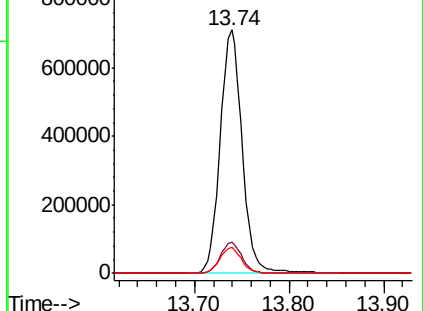
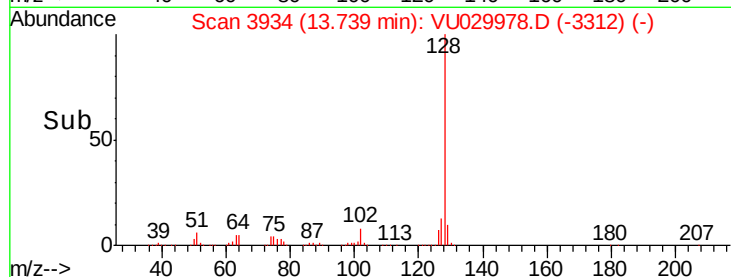
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.877 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029978.D

Acq: 11 Mar 2019 19:56

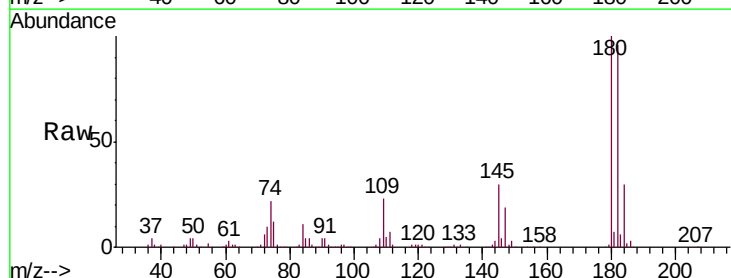
Tgt Ion:180 Resp: 351338

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 30.7 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

