

Data File : VU033038.D
Acq On : 25 Jun 2019 08:35
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB60

Quant Time: Jun 26 07:05:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186208	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185070	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96979	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53902	42.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.72%
7) Chloroethane-d5	1.67	69	47272	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.16%
11) 1,1-Dichloroethene-d2	2.27	63	123537	48.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.38%
21) 2-Butanone-d5	4.17	46	117850	111.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.26%
24) Chloroform-d	4.64	84	128858	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.18%
26) 1,2-Dichloroethane-d4	5.30	65	85749	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.08%
32) Benzene-d6	5.33	84	235471	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.32	67	78525	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.18%
41) Toluene-d8	7.56	98	222266	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.84	79	39588	49.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.04%
47) 2-Hexanone-d5	8.31	63	72863	101.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.54%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119874	50.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	95857	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	101307	53.860	ug/L 100
3) Chloromethane	1.32	50	83457	48.955	ug/L 100
5) Vinyl chloride	1.40	62	85801	50.742	ug/L 100
6) Bromomethane	1.62	94	54096	54.368	ug/L 94
8) Chloroethane	1.69	64	50005	51.374	ug/L 100
9) Trichlorofluoromethane	1.88	101	123350	51.997	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	65327	52.501	ug/L 98
12) 1,1-Dichloroethene	2.28	96	58352	49.763	ug/L 96
13) Acetone	2.32	43	140300	95.900	ug/L 96
14) Carbon disulfide	2.47	76	178426	48.088	ug/L 99
15) Methyl Acetate	2.61	43	91599	55.235	ug/L 98
16) Methylene chloride	2.69	84	71731	52.132	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	64313	50.576	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	216581	53.050	ug/L 98
19) 1,1-Dichloroethane	3.44	63	130478	53.822	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	73134	52.794	ug/L 95
22) 2-Butanone	4.25	43	154176	101.676	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38473	53.238	ug/L	97
25) Chloroform	4.67	83	135062	54.025	ug/L	98
27) 1,2-Dichloroethane	5.40	62	115690	56.331	ug/L	98
29) Cyclohexane	4.99	56	109924	50.868	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	118387	52.505	ug/L	98
31) Carbon tetrachloride	5.13	117	107558	52.427	ug/L	100
33) Benzene	5.38	78	278653	52.266	ug/L	100
34) Trichloroethene	6.18	95	74239	52.117	ug/L	98
35) Methylcyclohexane	6.41	83	117132	53.197	ug/L	99
37) 1,2-Dichloropropane	6.42	63	77148	52.753	ug/L	100
38) Bromodichloromethane	6.75	83	102777	52.265	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	121861	53.485	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	252080	107.965	ug/L	98
42) Toluene	7.63	91	305565	52.973	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	112089	52.377	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	72461	53.234	ug/L	99
46) Tetrachloroethene	8.22	164	61444	52.640	ug/L	98
48) 2-Hexanone	8.36	43	213062	103.426	ug/L	99
49) Dibromochloromethane	8.47	129	84429	51.451	ug/L	99
50) 1,2-Dibromoethane	8.58	107	77798	51.465	ug/L	99
51) Chlorobenzene	9.11	112	196697	51.819	ug/L	98
52) Ethylbenzene	9.24	91	337499	52.858	ug/L	100
53) m,p-Xylene	9.37	106	125762	52.205	ug/L	95
54) o-xylene	9.77	106	126536	53.786	ug/L	98
55) Styrene	9.78	104	214982	52.675	ug/L	95
56) Isopropylbenzene	10.16	105	332057	52.374	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	127992	51.965	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	102784	52.665	ug/L	100
61) Bromoform	9.95	173	64148	50.657	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	155500	51.585	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	160089	51.418	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	163456	53.107	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30804	52.459	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	125040	51.625	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	105809	50.769	ug/L	99
69) Naphthalene	13.74	128	302462	47.201	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	108299	49.087	ug/L	99

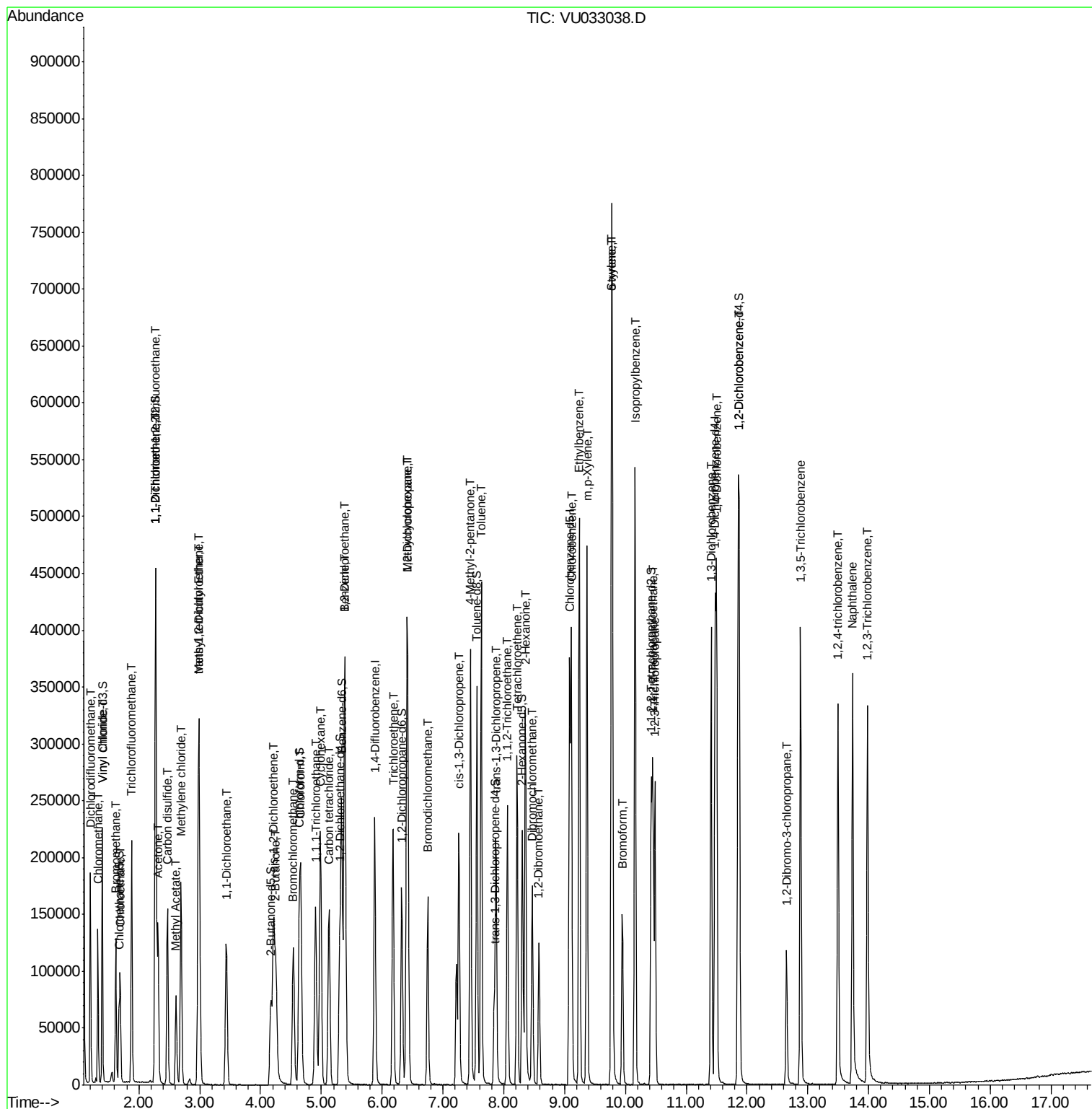
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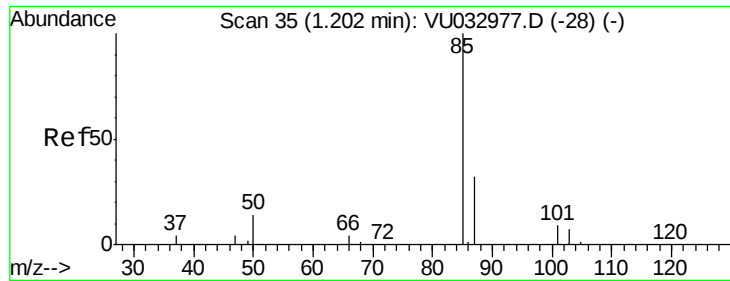
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#2

Dichlorodifluoromethane

Concen: 53.860 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

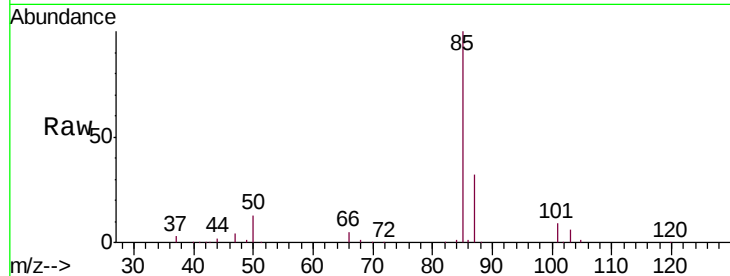
BFB60

Tgt Ion: 85 Resp: 101307

Ion Ratio Lower Upper

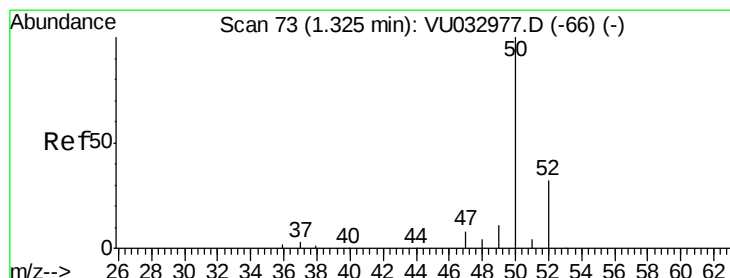
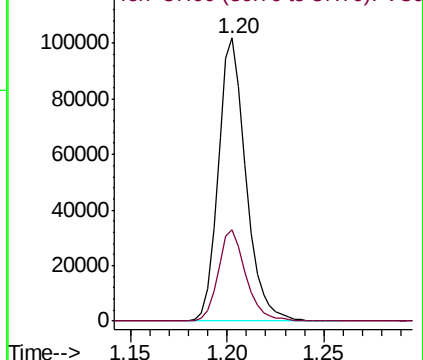
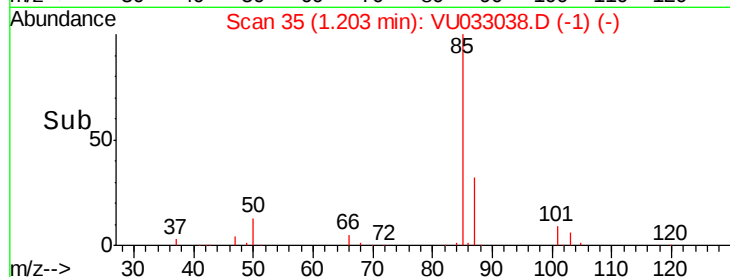
85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033038.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033038.D (-1) (-)



#3

Chloromethane

Concen: 48.955 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033038.D

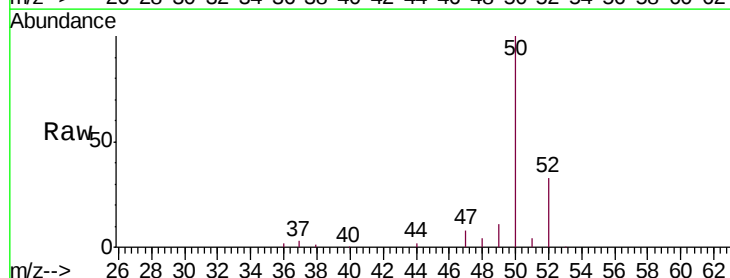
Acq: 25 Jun 2019 08:35

Tgt Ion: 50 Resp: 83457

Ion Ratio Lower Upper

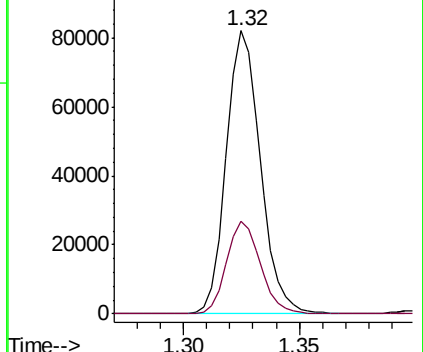
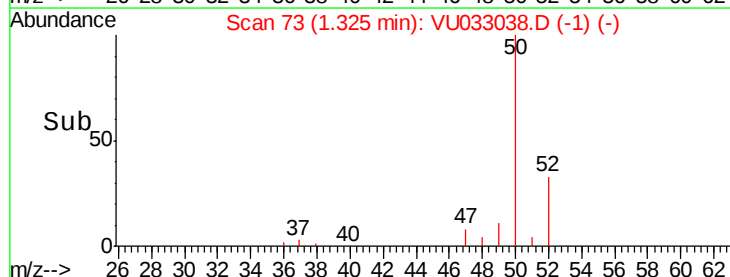
50 100

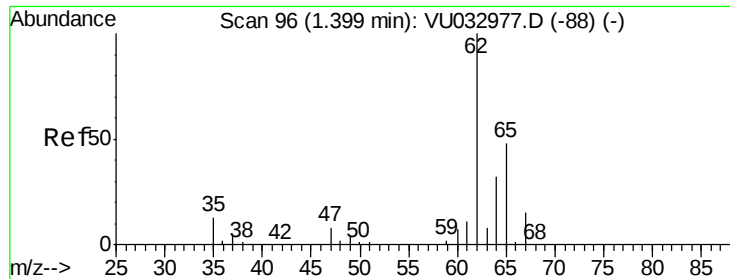
52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033038.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033038.D (-1) (-)





#5

Vinyl chloride

Concen: 50.742 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

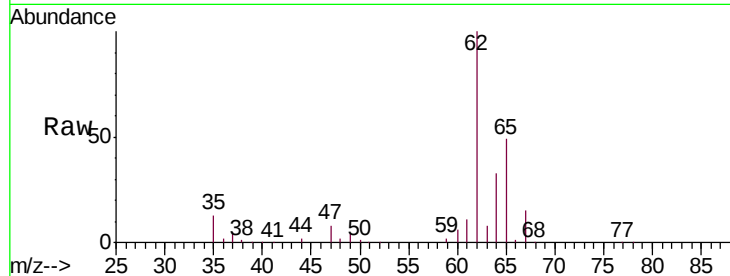
BFB60

Tgt Ion: 62 Resp: 85801

Ion Ratio Lower Upper

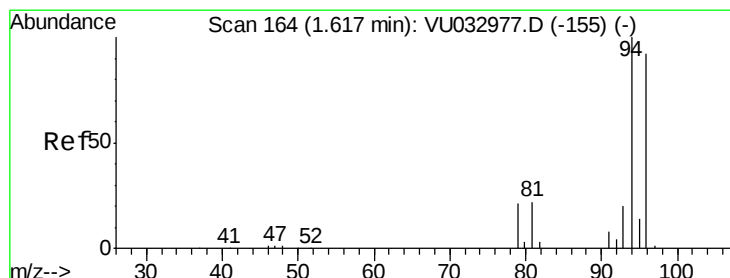
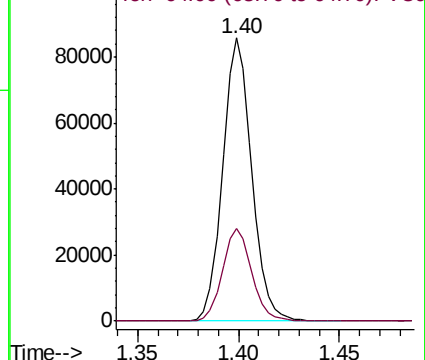
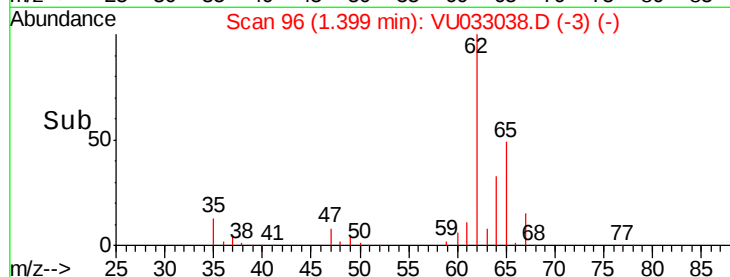
62 100

64 32.9 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033038.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU033038.D (-3) (-)



#6

Bromomethane

Concen: 54.368 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033038.D

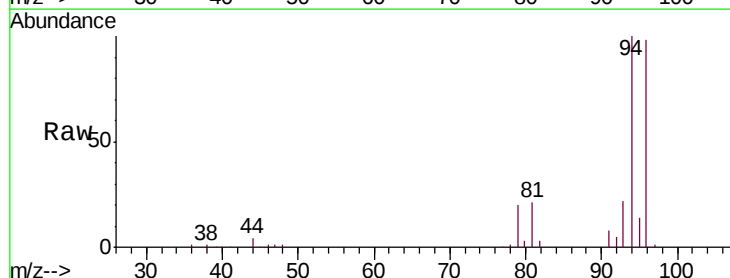
Acq: 25 Jun 2019 08:35

Tgt Ion: 94 Resp: 54096

Ion Ratio Lower Upper

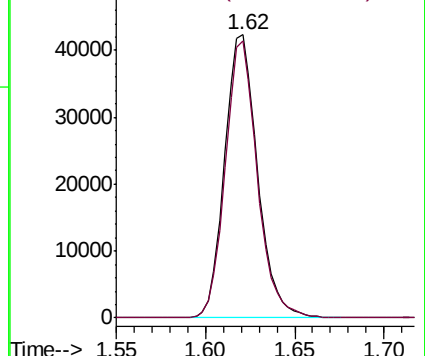
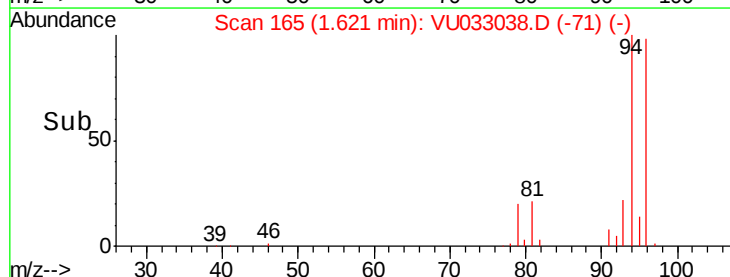
94 100

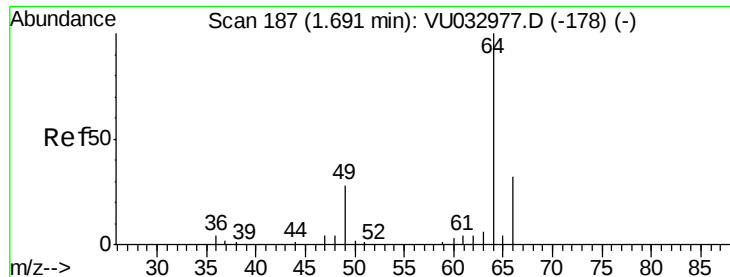
96 97.9 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU033038.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU033038.D (-71) (-)





#8

Chloroethane

Concen: 51.374 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

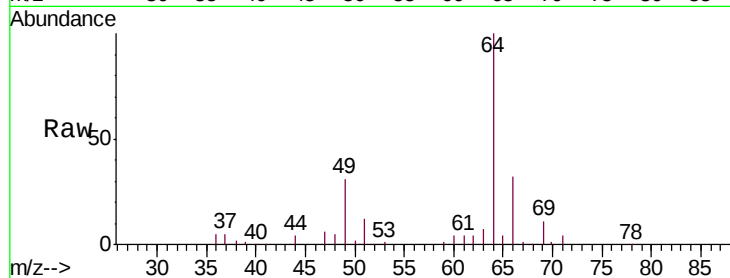
BFB60

Tgt Ion: 64 Resp: 50005

Ion Ratio Lower Upper

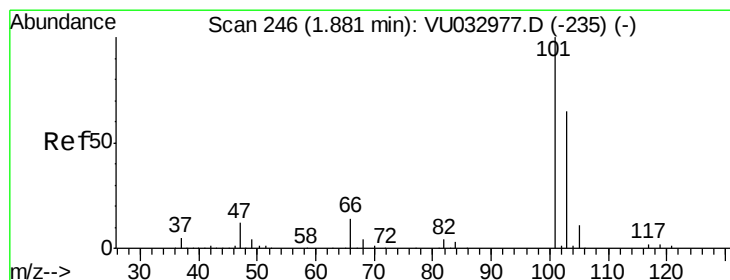
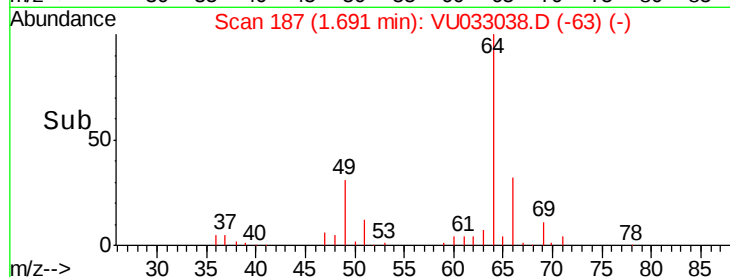
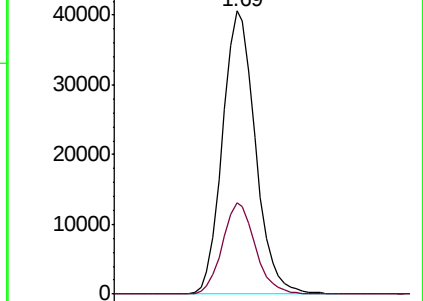
64 100

66 32.3 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU033038.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033038.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 51.997 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU033038.D

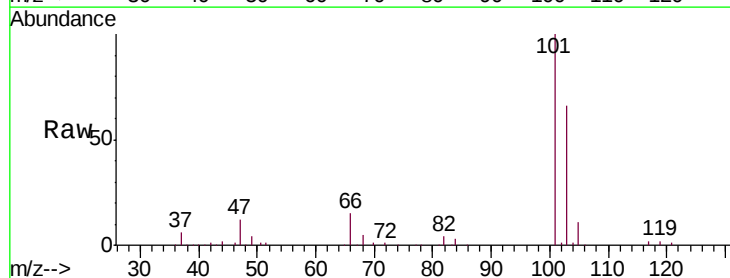
Acq: 25 Jun 2019 08:35

Tgt Ion: 101 Resp: 123350

Ion Ratio Lower Upper

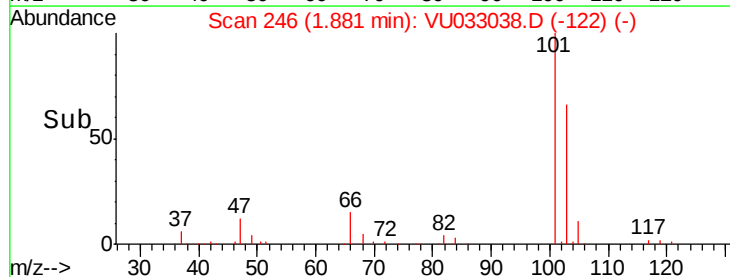
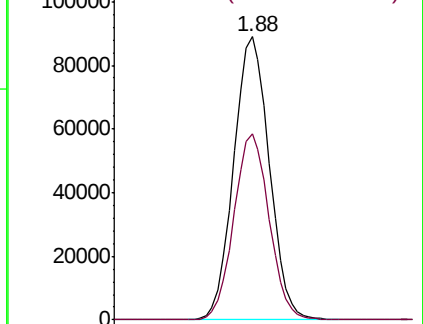
101 100

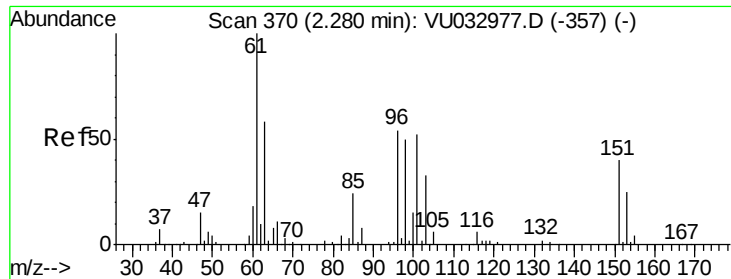
103 65.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033038.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU033038.D (-235) (-)





#10

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

Concen: 52.501 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

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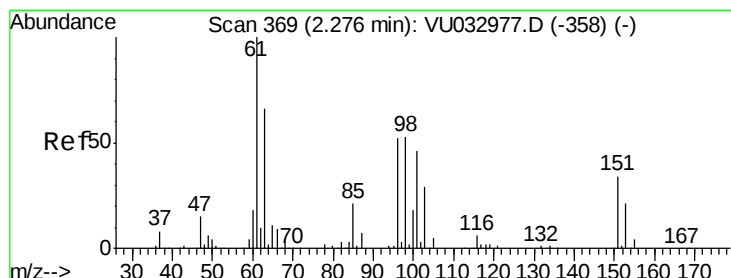
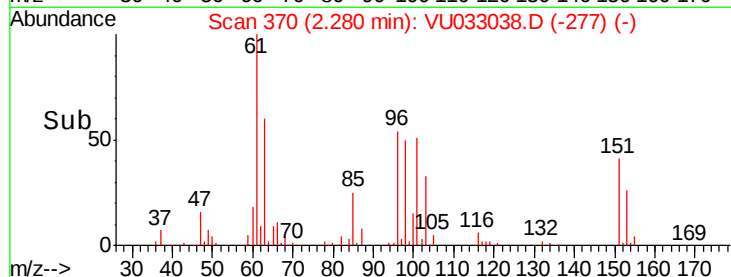
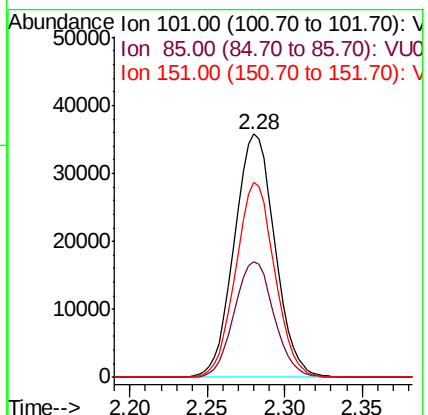
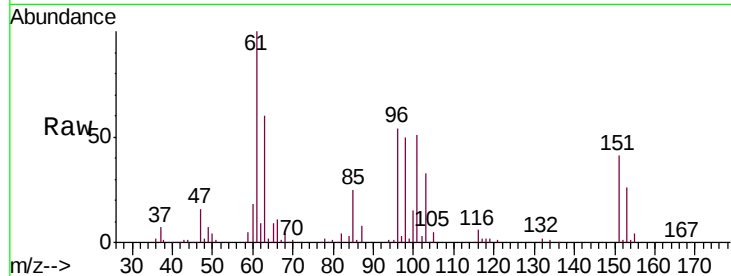
Tgt Ion:101 Resp: 65327

Ion Ratio Lower Upper

101 100

85 46.5 36.8 55.2

151 77.0 63.6 95.4



#12

1,1-Dichloroethene

Concen: 49.763 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

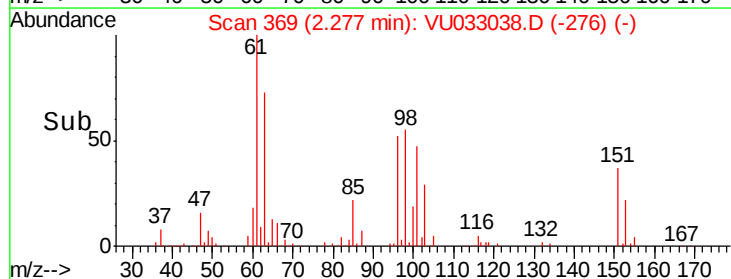
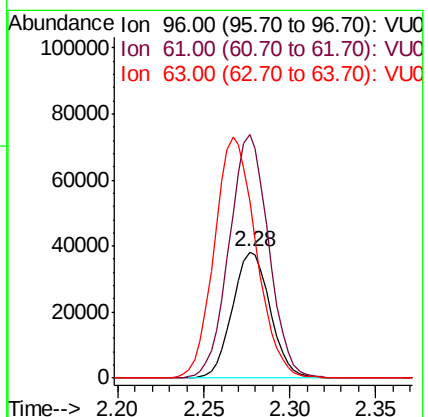
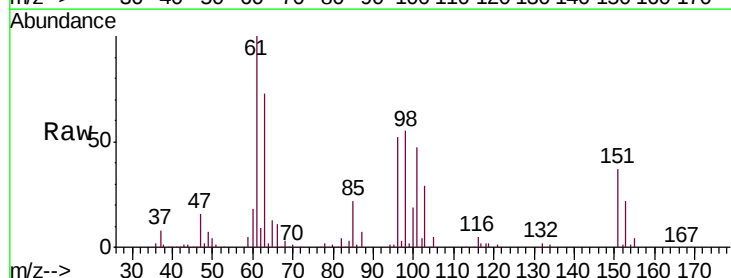
Tgt Ion: 96 Resp: 58352

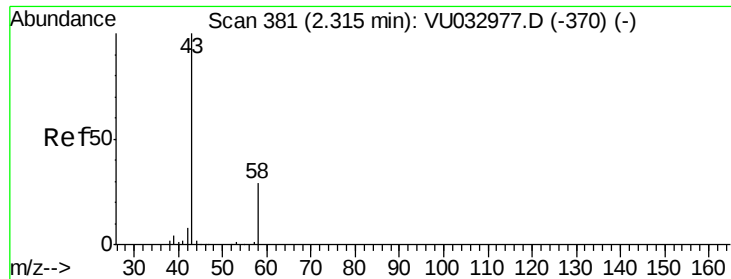
Ion Ratio Lower Upper

96 100

61 193.2 131.0 243.4

63 140.5 101.0 187.6





#13

Acetone

Concen: 95.900 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

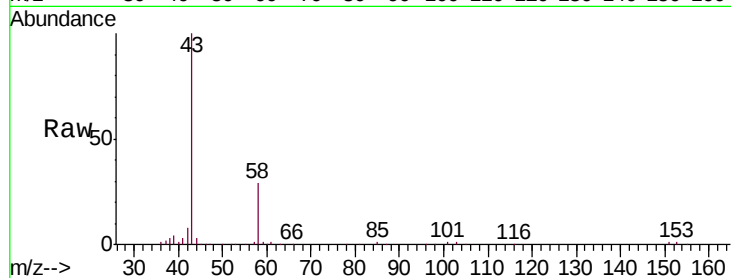
BFB60

Tgt Ion: 43 Resp: 140300

Ion Ratio Lower Upper

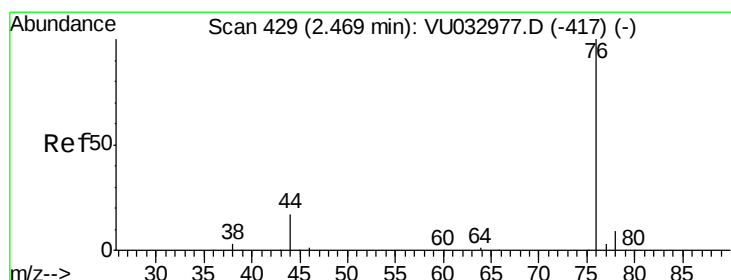
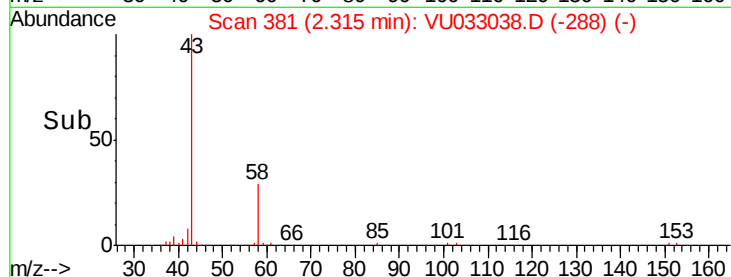
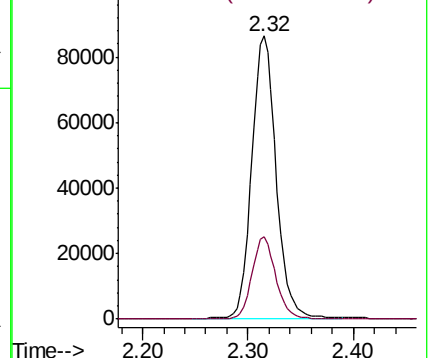
43 100

58 28.2 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU033038.D (-288) (-)



#14

Carbon disulfide

Concen: 48.088 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033038.D

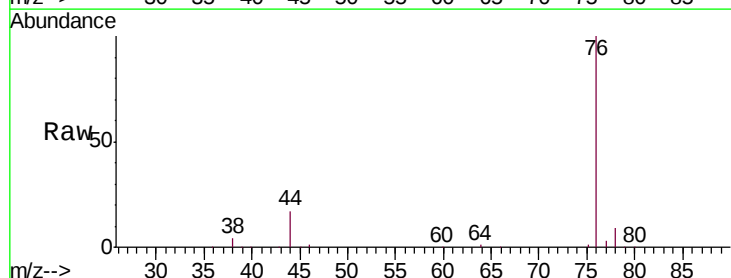
Acq: 25 Jun 2019 08:35

Tgt Ion: 76 Resp: 178426

Ion Ratio Lower Upper

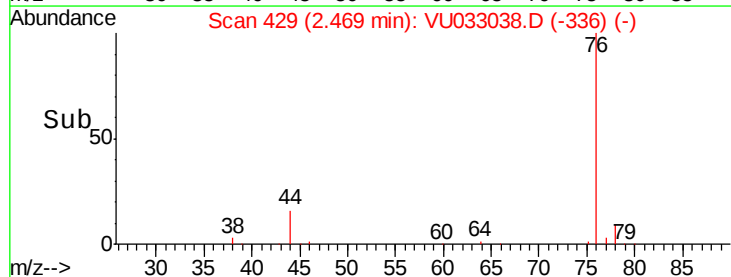
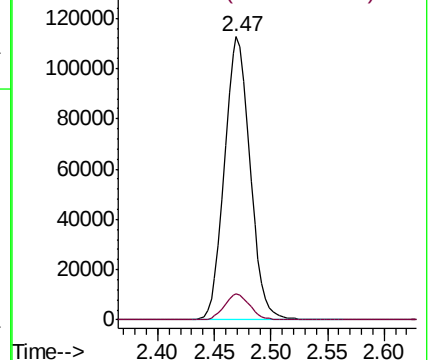
76 100

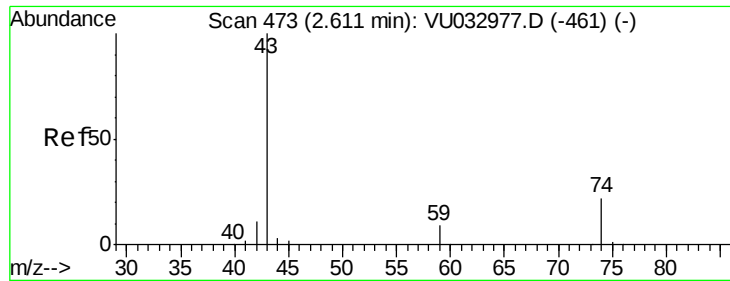
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU033038.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU033038.D (-336) (-)





#15

Methyl Acetate

Concen: 55.235 ug/L

RT: 2.61 min Scan# 472

Delta R.T. -0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

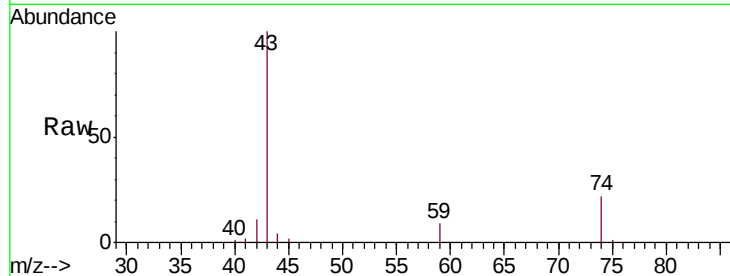
BFB60

Tgt Ion: 43 Resp: 91599

Ion Ratio Lower Upper

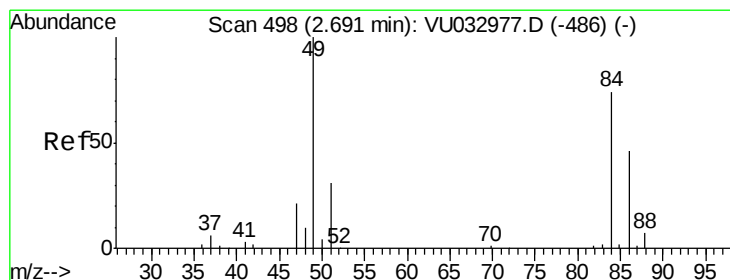
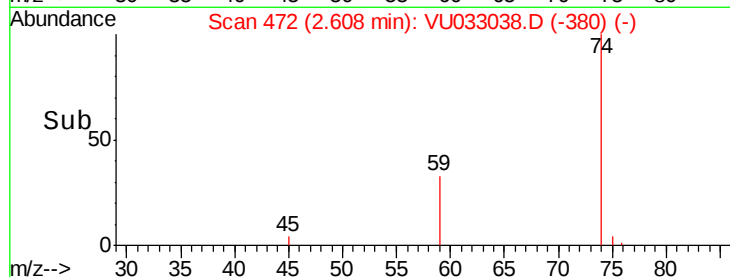
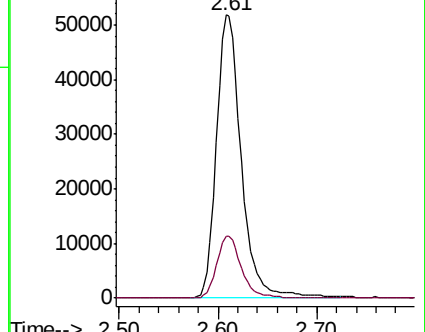
43 100

74 21.6 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-380) (-)

Ion 74.00 (73.70 to 74.70): VU033038.D (-380) (-)



#16

Methylene chloride

Concen: 52.132 ug/L

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

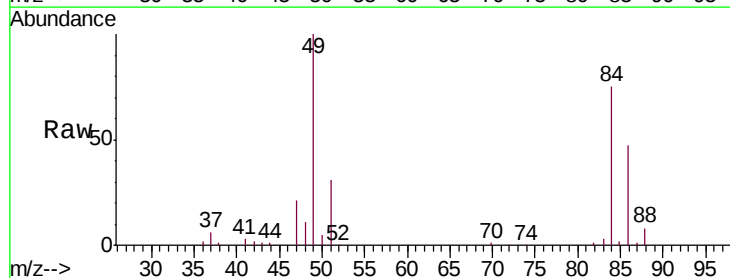
Tgt Ion: 84 Resp: 71731

Ion Ratio Lower Upper

84 100

86 62.6 45.5 84.5

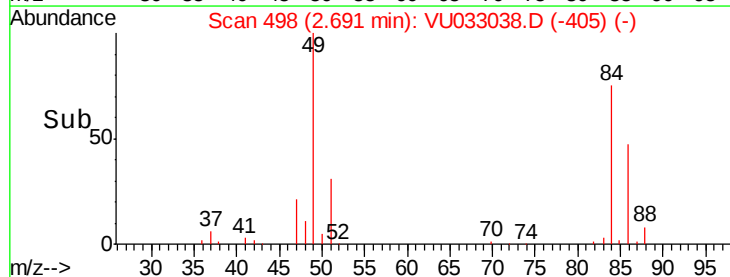
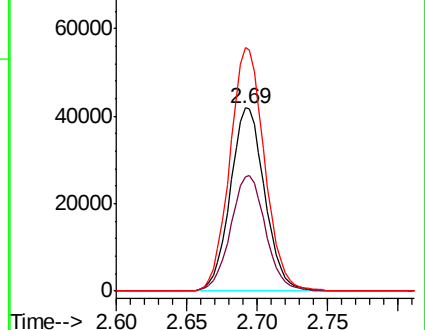
49 133.0 92.1 171.1

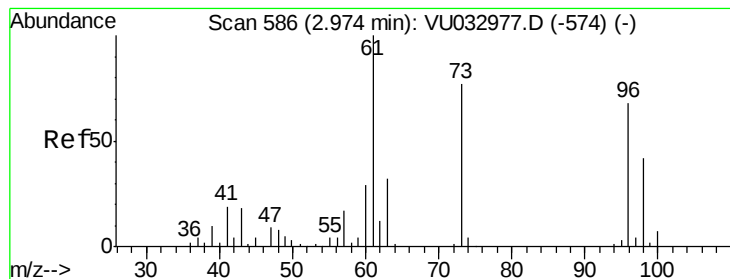


Abundance Ion 84.00 (83.70 to 84.70): VU033038.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU033038.D (-405) (-)

Ion 49.00 (48.70 to 49.70): VU033038.D (-405) (-)





#17

trans-1,2-Dichloroethene

Concen: 50.576 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

BFB60

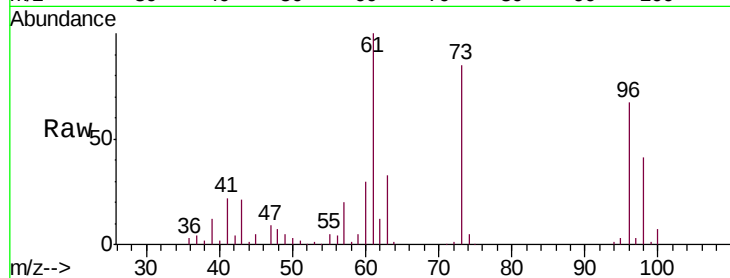
Tgt Ion: 96 Resp: 64313

Ion Ratio Lower Upper

96 100

61 149.9 100.9 187.5

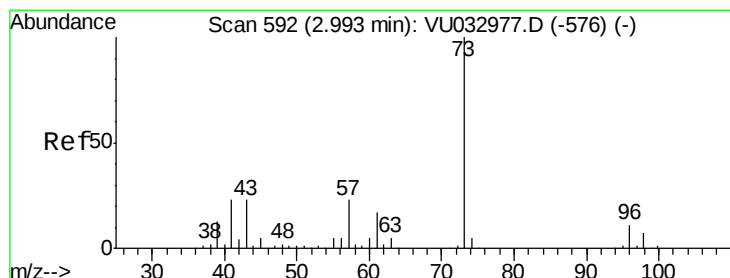
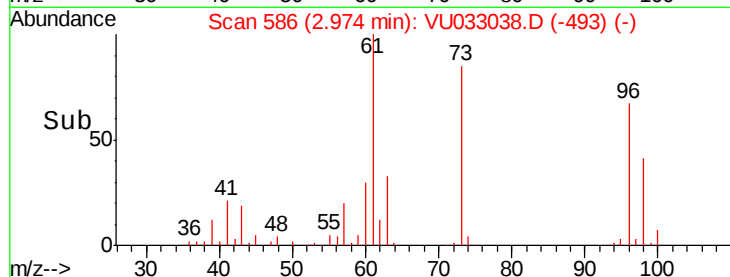
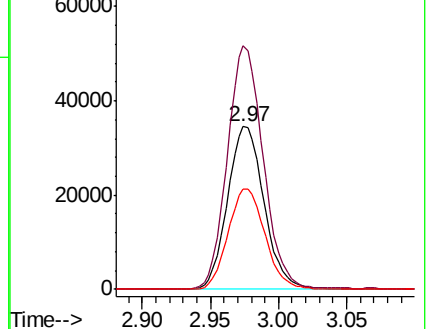
98 61.8 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU033038.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU033038.D (-493) (-)



#18

Methyl tert-butyl Ether

Concen: 53.050 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

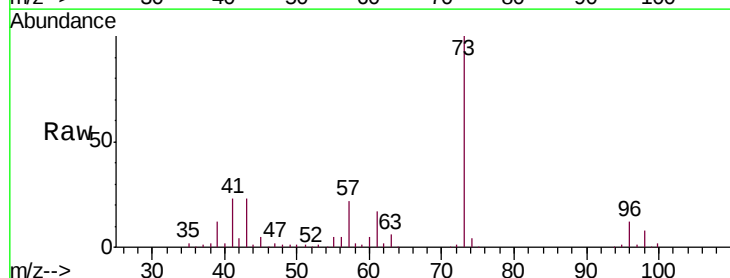
Tgt Ion: 73 Resp: 216581

Ion Ratio Lower Upper

73 100

43 23.6 17.8 26.8

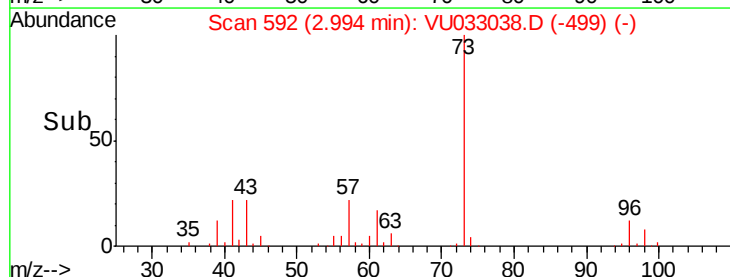
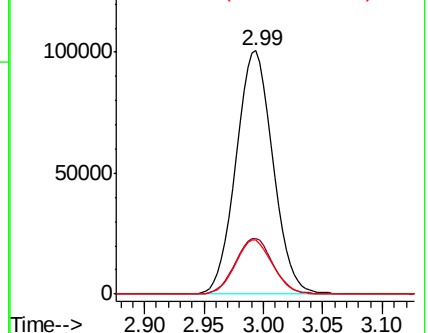
57 22.4 17.8 26.6

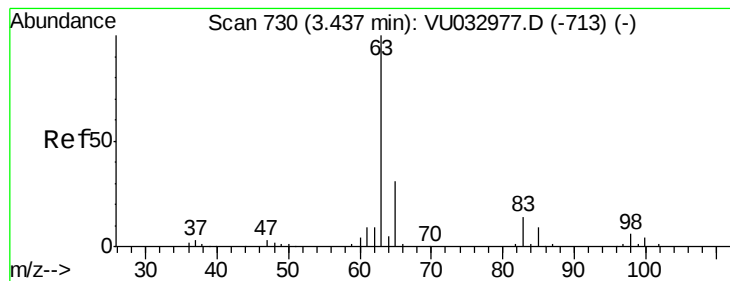


Abundance Ion 73.00 (72.70 to 73.70): VU033038.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU033038.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU033038.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 53.822 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

BFB60

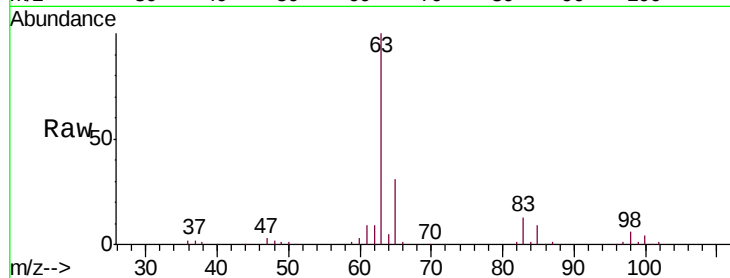
Tgt Ion: 63 Resp: 130478

Ion Ratio Lower Upper

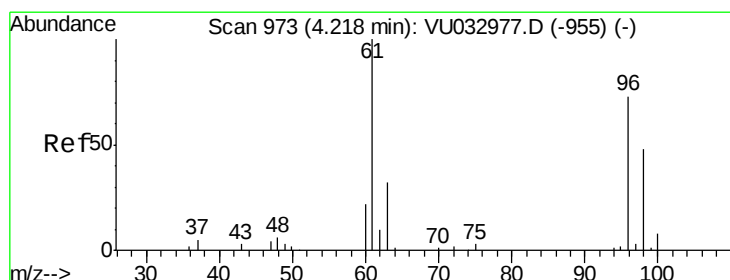
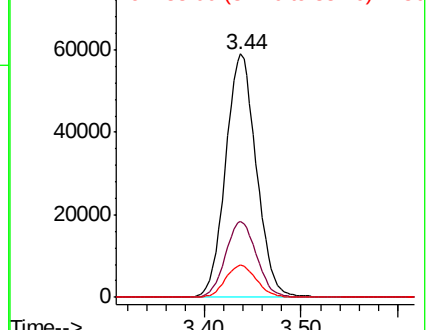
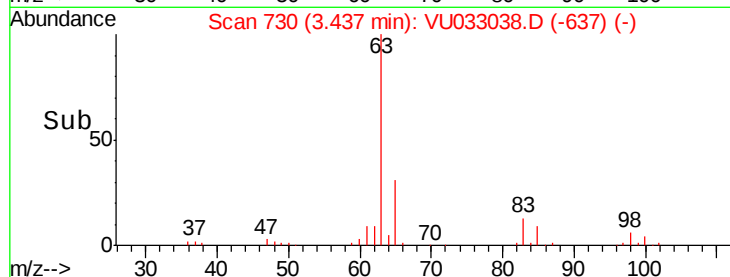
63 100

65 31.4 22.0 41.0

83 13.1 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VU033038.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.794 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

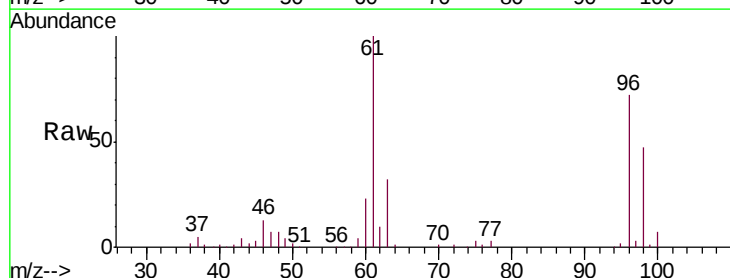
Tgt Ion: 96 Resp: 73134

Ion Ratio Lower Upper

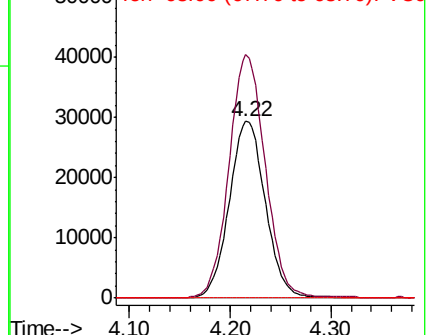
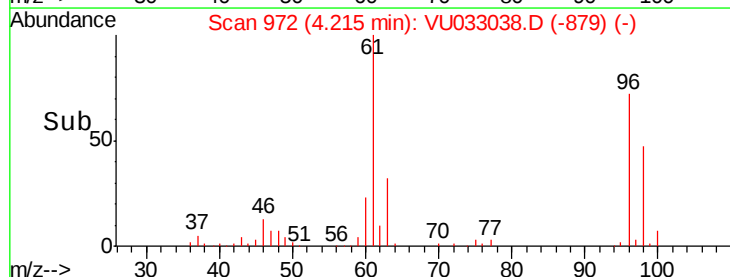
96 100

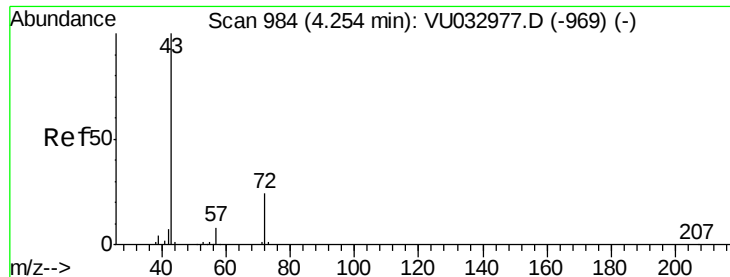
61 138.0 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033038.D (-879) (-)





#22

2-Butanone

Concen: 101.676 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

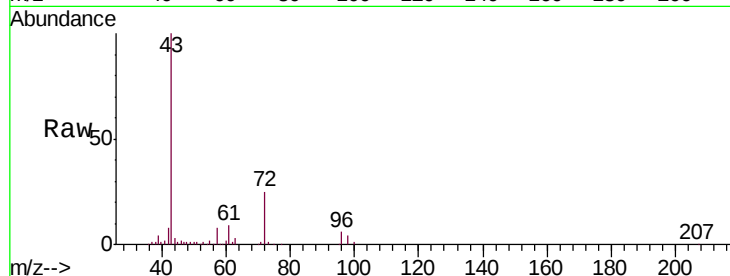
BFB60

Tgt Ion: 43 Resp: 154176

Ion Ratio Lower Upper

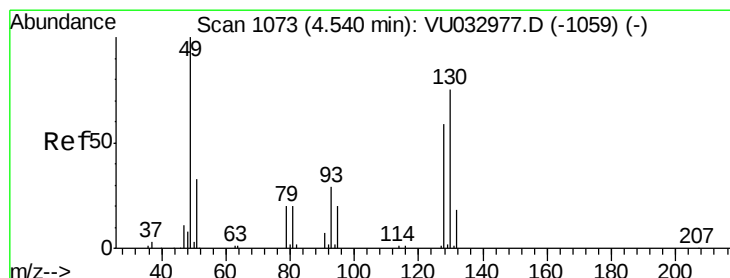
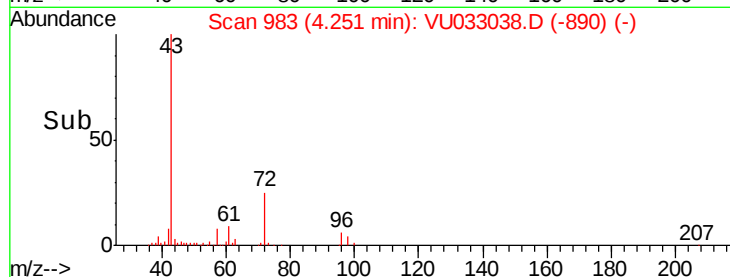
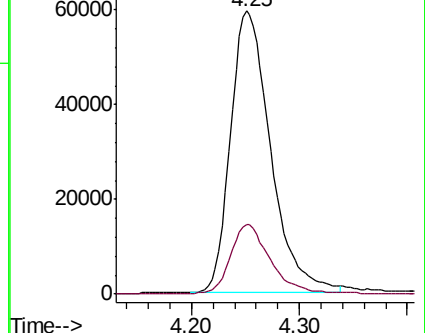
43 100

72 24.8 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033038.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VU033038.D (-890) (-)



#23

Bromochloromethane

Concen: 53.238 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Tgt Ion: 128 Resp: 38473

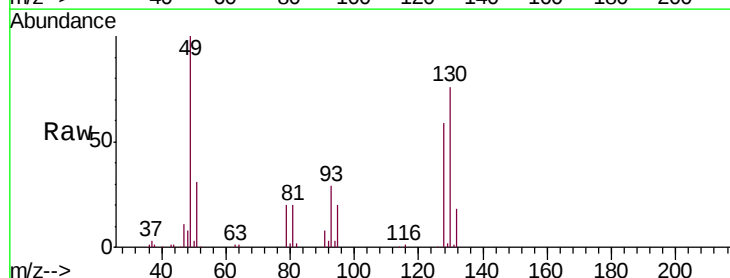
Ion Ratio Lower Upper

128 100

49 169.8 114.7 212.9

130 128.6 89.4 166.0

51 53.4 42.0 63.0

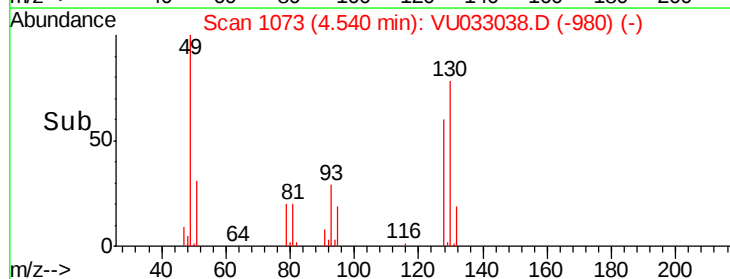
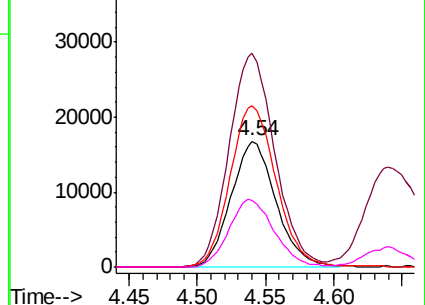


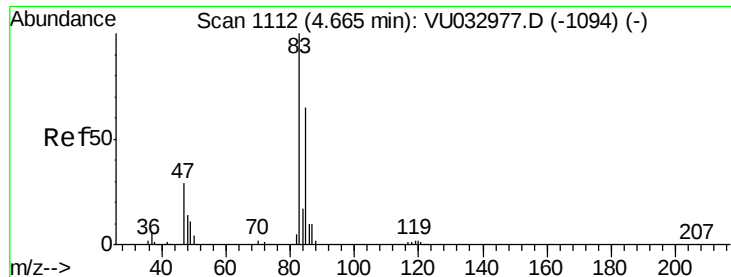
Abundance Ion 128.00 (127.70 to 128.70): VU033038.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VU033038.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VU033038.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VU033038.D (-980) (-)





#25

Chloroform

Concen: 54.025 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

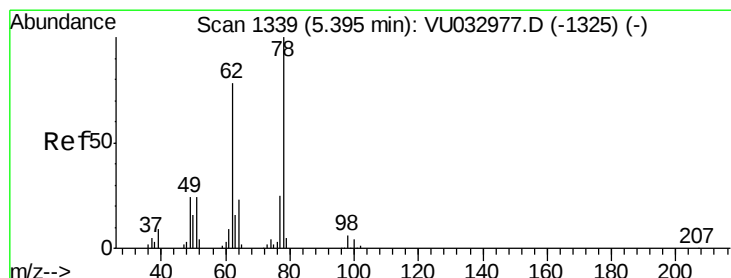
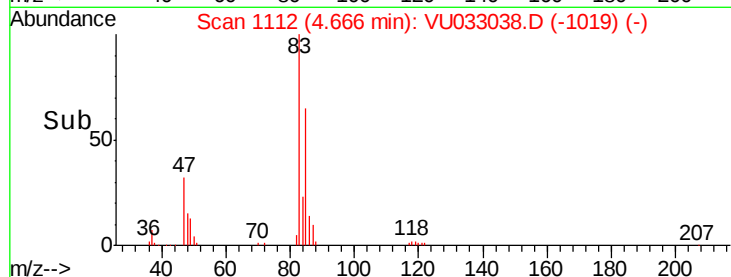
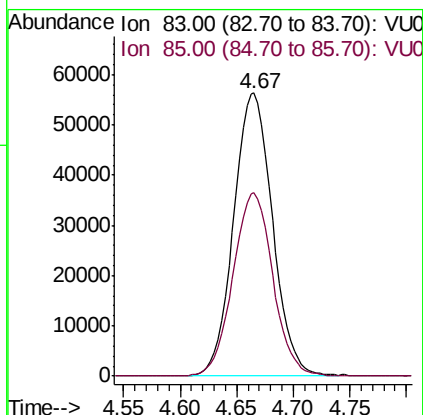
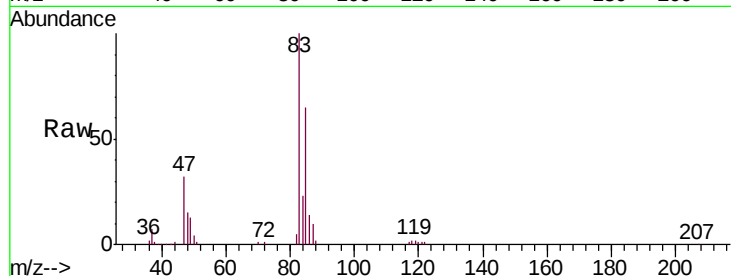
BFB60

Tgt Ion: 83 Resp: 135062

Ion Ratio Lower Upper

83 100

85 64.8 44.2 82.2



#27

1,2-Dichloroethane

Concen: 56.331 ug/L

RT: 5.40 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VU033038.D

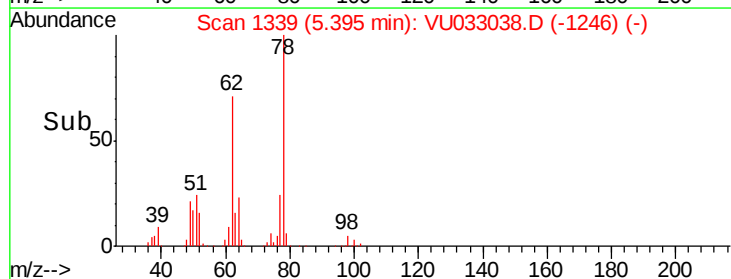
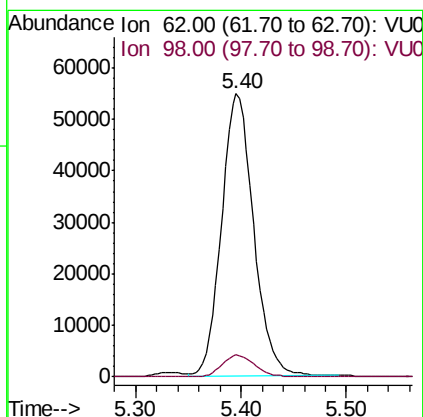
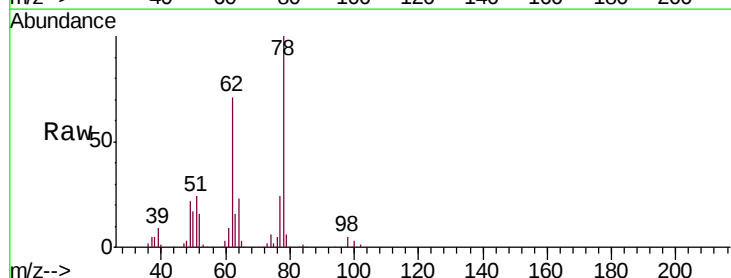
Acq: 25 Jun 2019 08:35

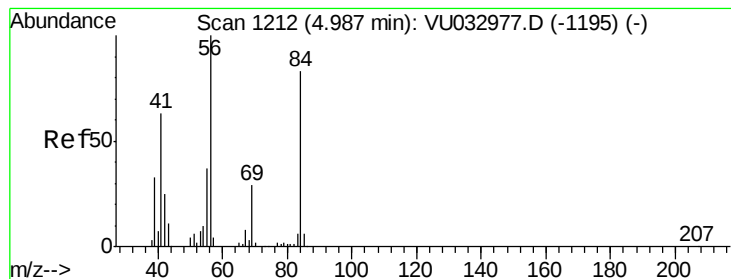
Tgt Ion: 62 Resp: 115690

Ion Ratio Lower Upper

62 100

98 7.7 6.6 10.0





#29

Cyclohexane

Concen: 50.868 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

BFB60

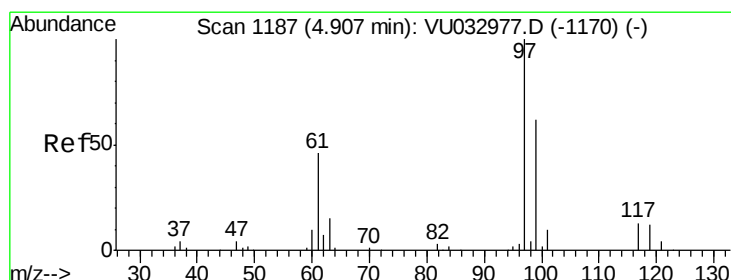
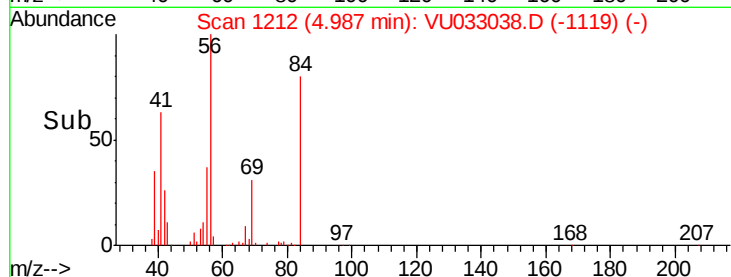
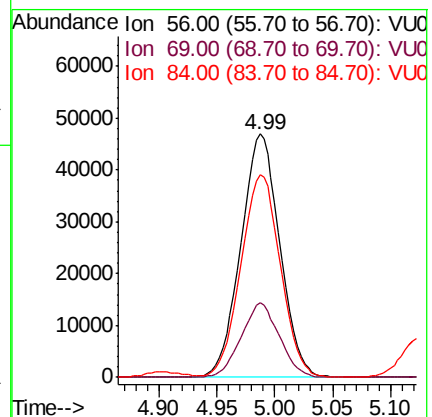
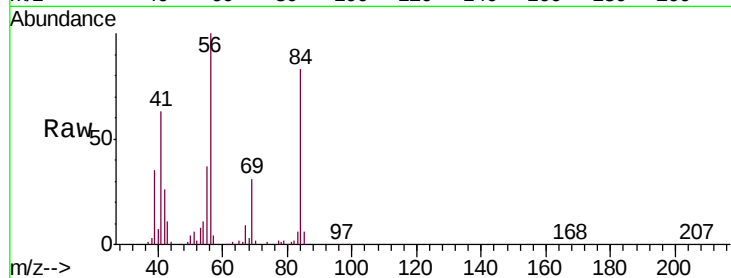
Tgt Ion: 56 Resp: 109924

Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.4

84 84.6 68.0 102.0



#30

1,1,1-Trichloroethane

Concen: 52.505 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

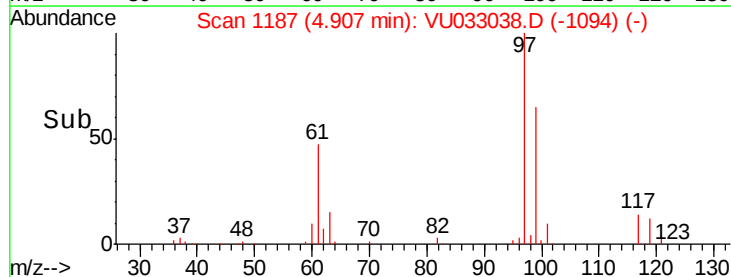
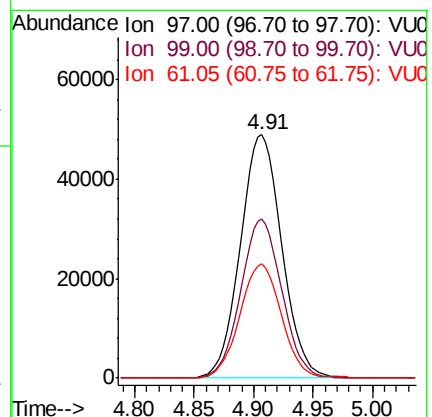
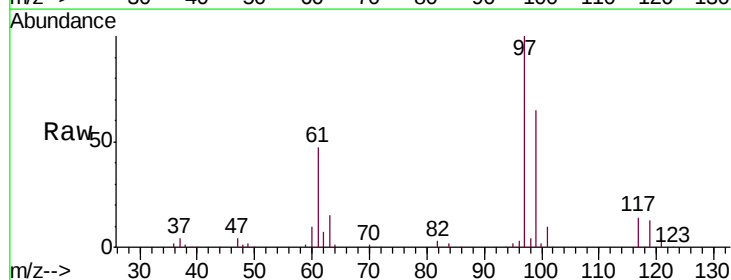
Tgt Ion: 97 Resp: 118387

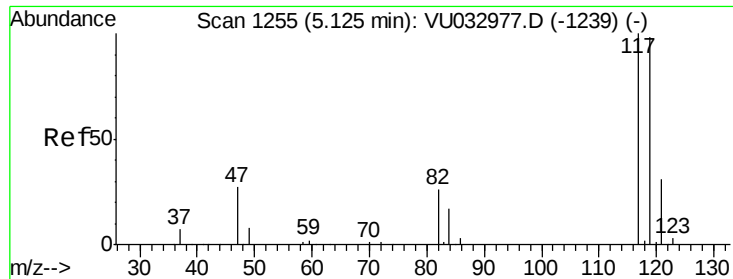
Ion Ratio Lower Upper

97 100

99 64.8 50.7 76.1

61 47.0 36.7 55.1





#31

Carbon tetrachloride

Concen: 52.427 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampled :

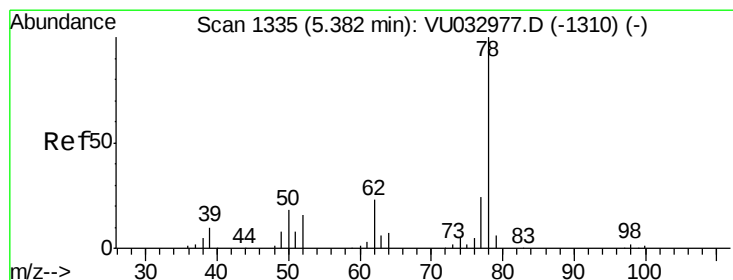
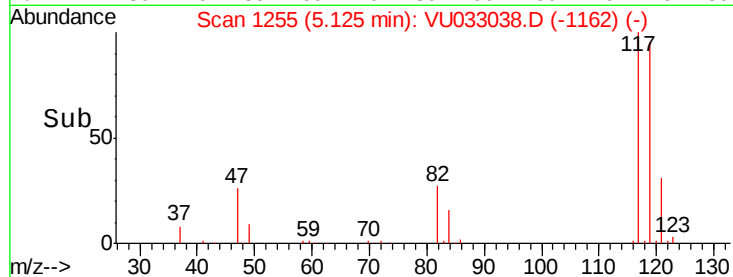
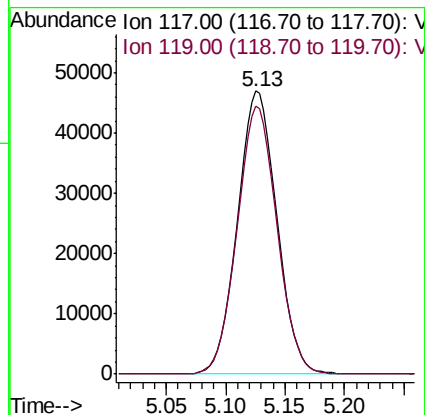
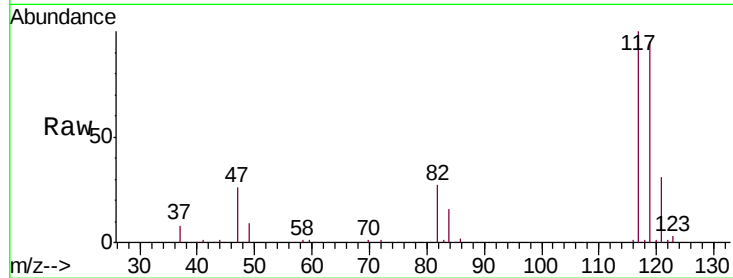
BFB60

Tgt Ion:117 Resp: 107558

Ion Ratio Lower Upper

117 100

119 95.6 76.3 114.5



#33

Benzene

Concen: 52.266 ug/L

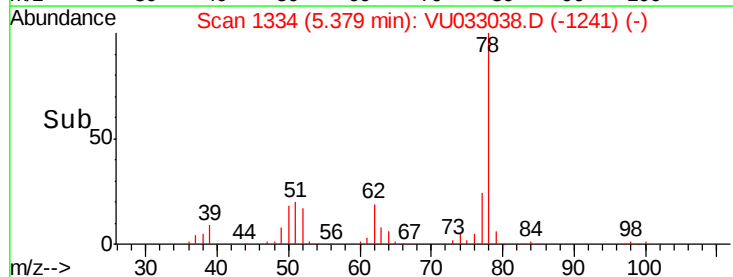
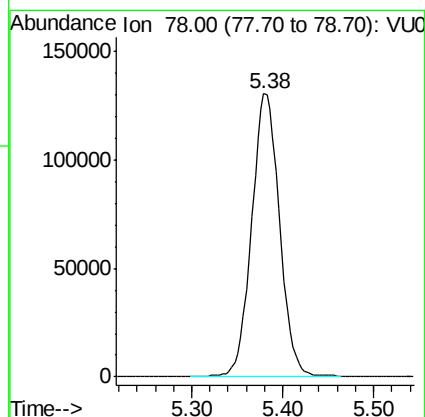
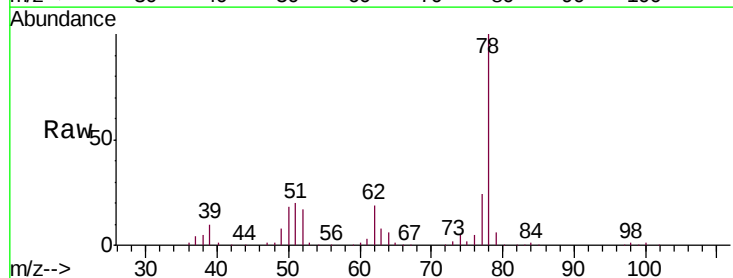
RT: 5.38 min Scan# 1334

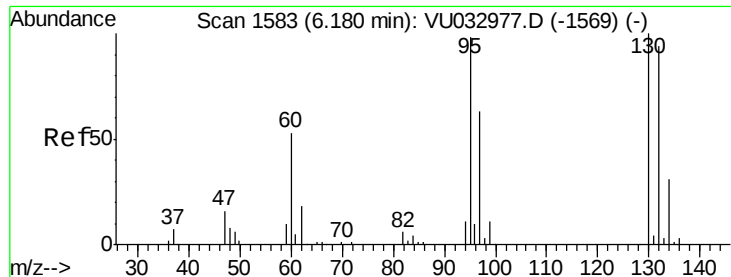
Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Tgt Ion: 78 Resp: 278653

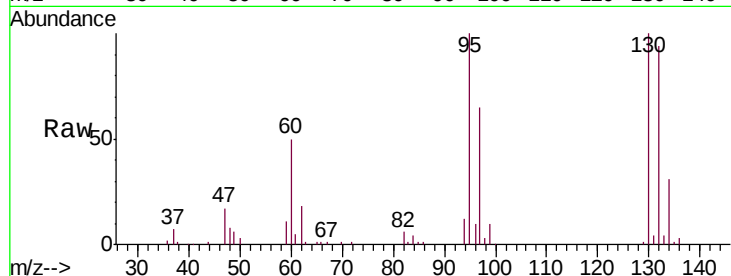




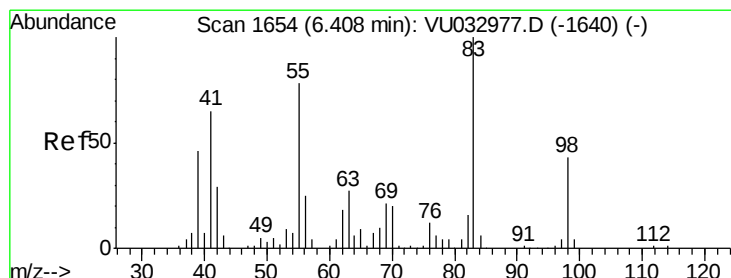
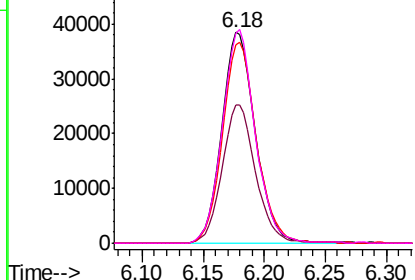
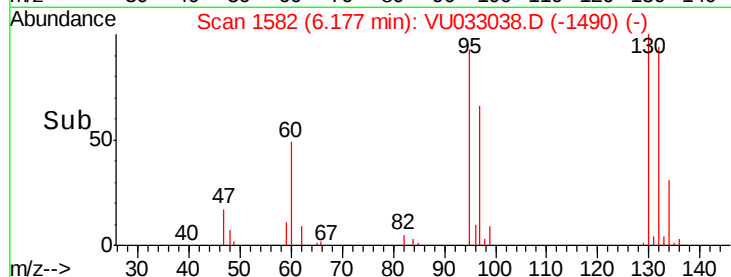
#34
 Trichloroethene
 Concen: 52.117 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB60

Tgt Ion: 95 Resp: 74239
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.9 85.3
 132 93.9 68.5 127.3
 130 99.5 70.8 131.4

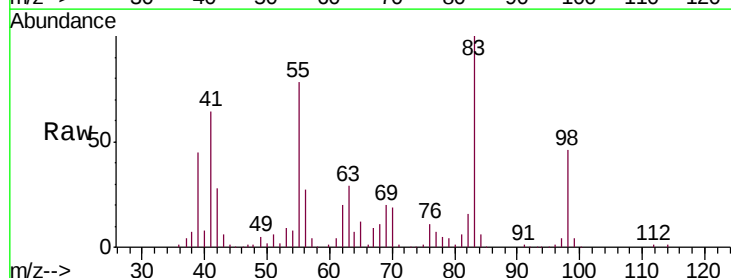


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

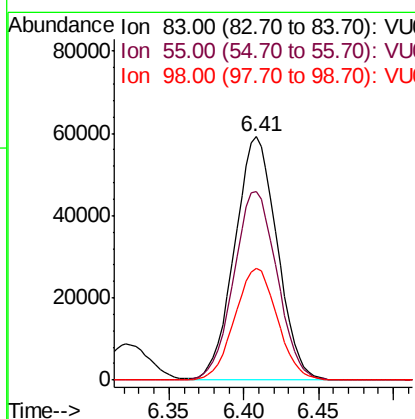
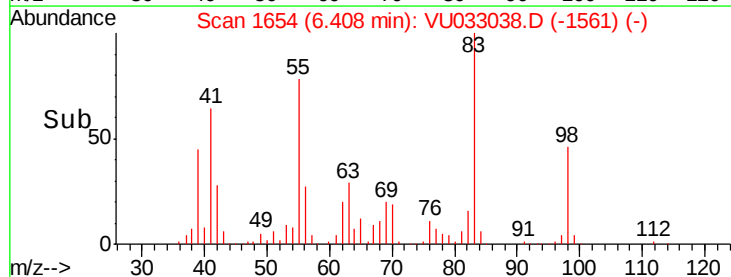


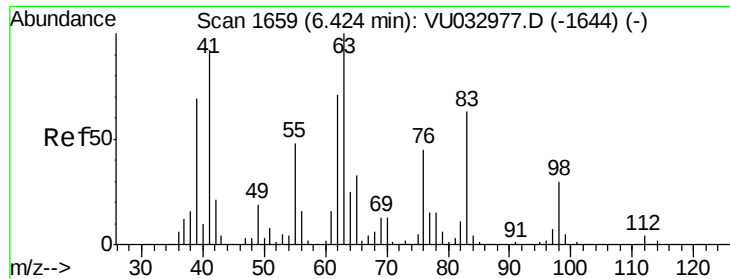
#35
 Methylcyclohexane
 Concen: 53.197 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Tgt Ion: 83 Resp: 117132
 Ion Ratio Lower Upper
 83 100
 55 79.0 62.6 94.0
 98 46.1 37.4 56.0



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

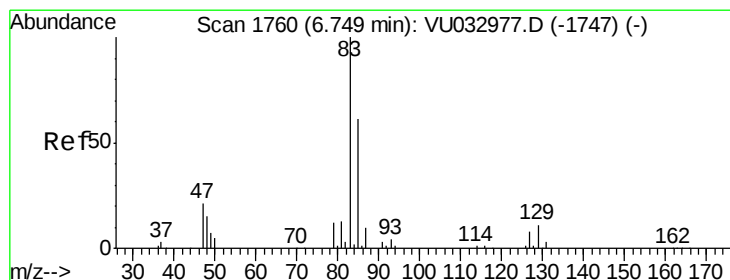
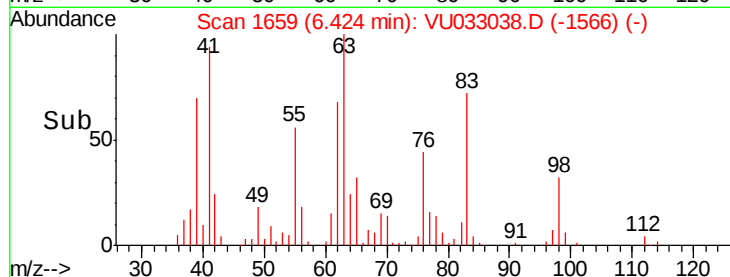
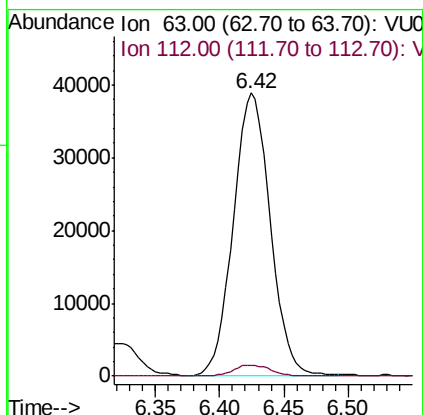
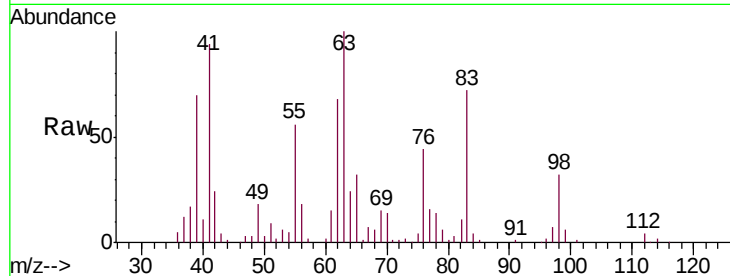




#37
 1,2-Dichloropropane
 Concen: 52.753 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

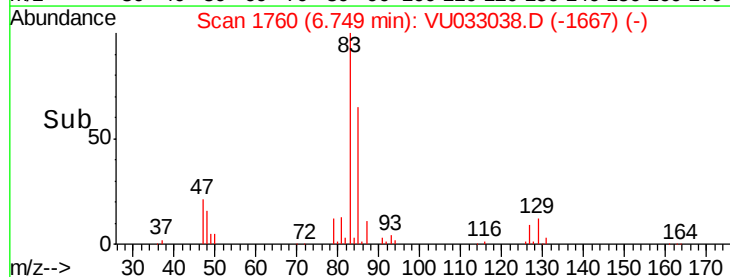
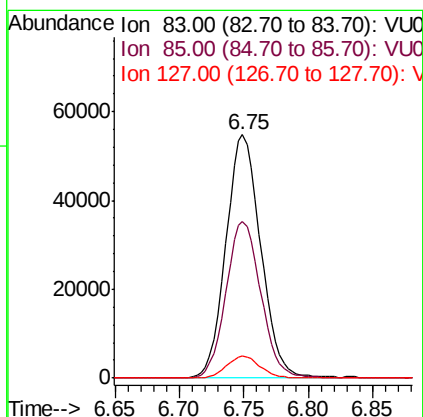
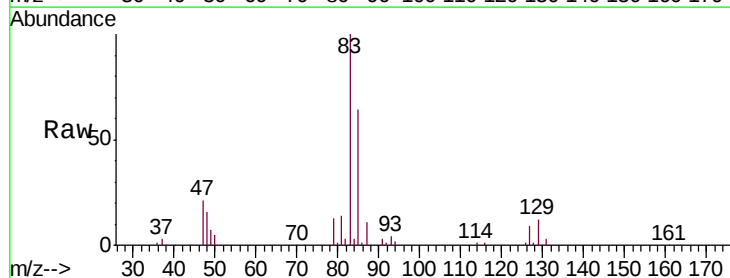
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB60

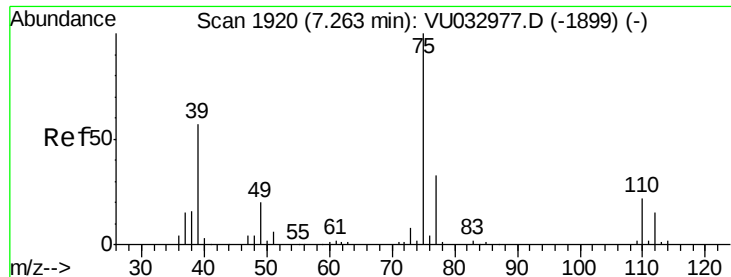
Tgt Ion: 63 Resp: 77148
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 52.265 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Tgt Ion: 83 Resp: 102777
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.0 83.6
 127 9.2 7.0 10.6

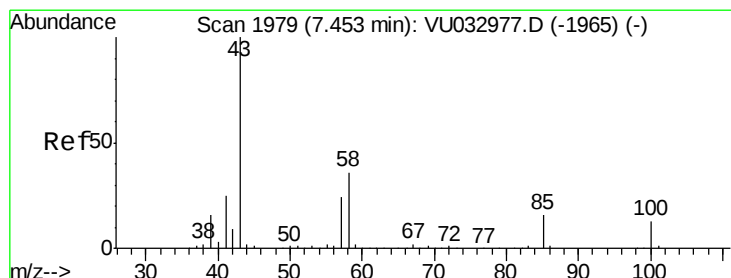
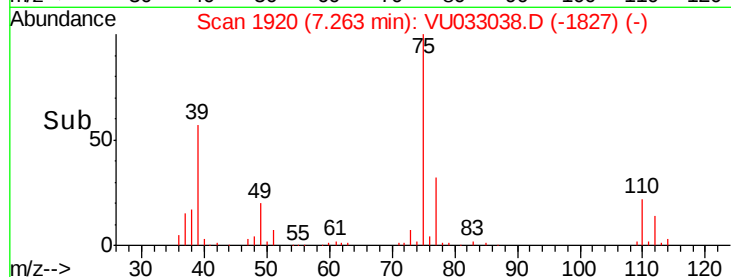
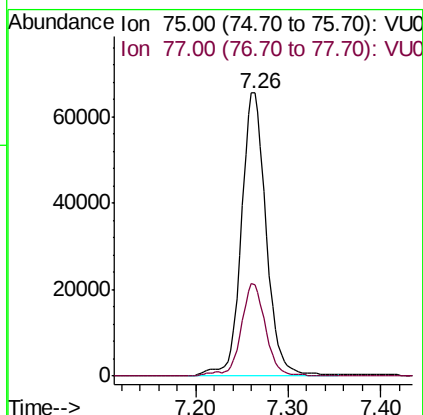
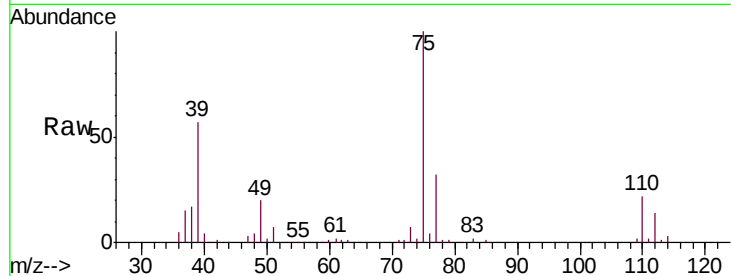




#39
 cis-1,3-Dichloropropene
 Concen: 53.485 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

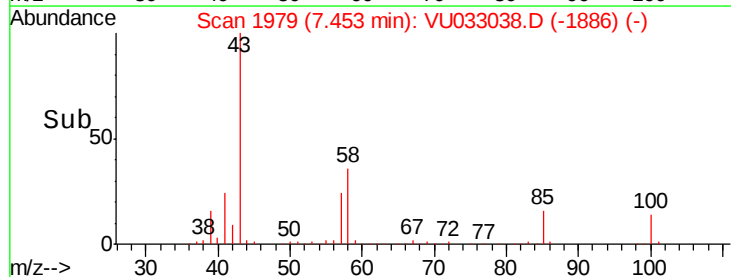
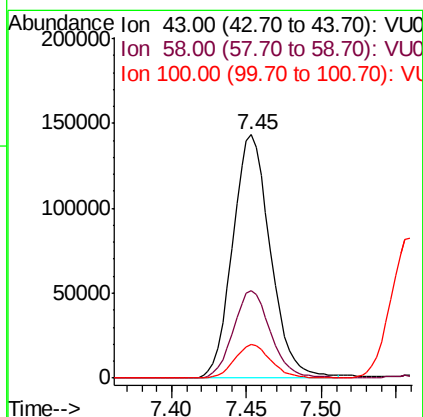
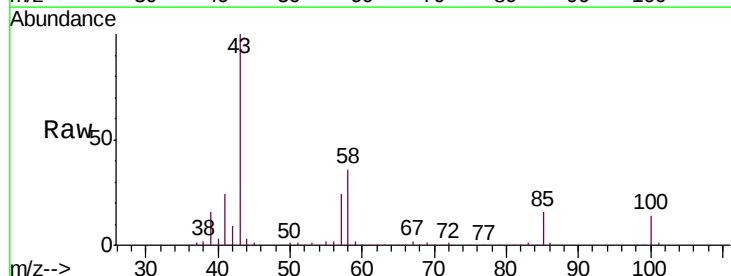
Instrument :
 MSVOA_U
 ClientSampled :
 BFB60

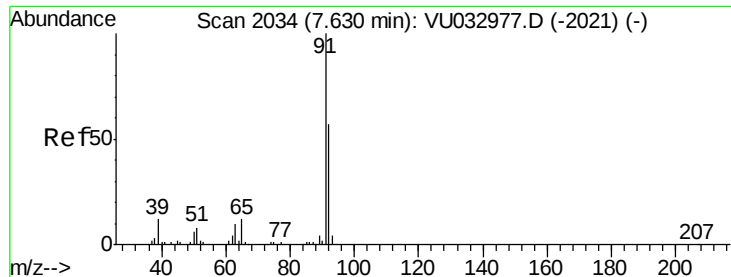
Tgt Ion: 75 Resp: 121861
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 107.965 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Tgt Ion: 43 Resp: 252080
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.4 44.2
 100 13.3 11.2 16.8





#42

Toluene

Concen: 52.973 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

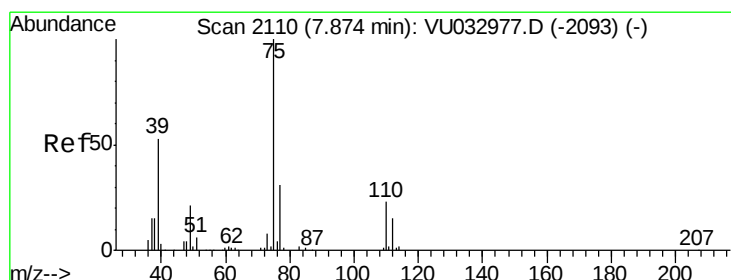
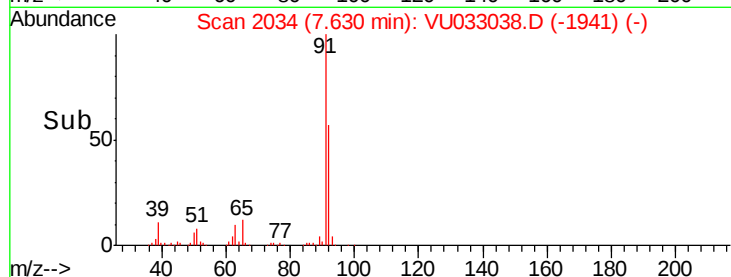
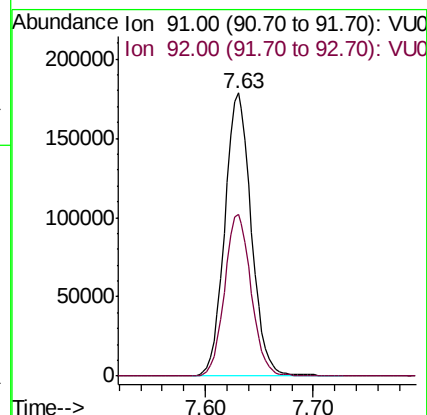
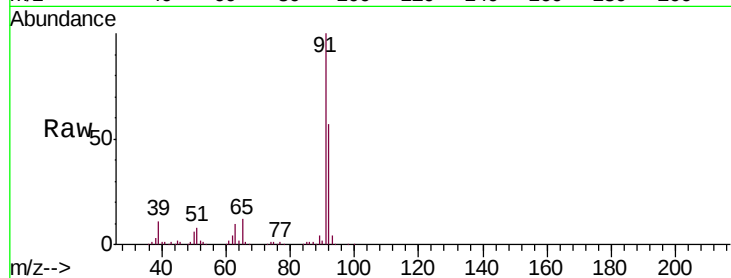
BFB60

Tgt Ion: 91 Resp: 305565

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 52.377 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. -0.00 min

Lab File: VU033038.D

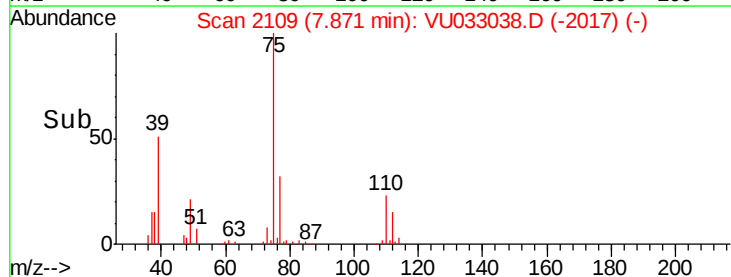
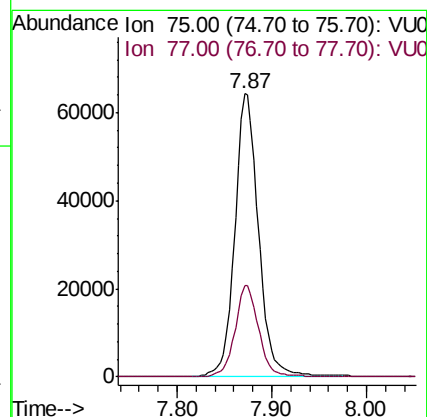
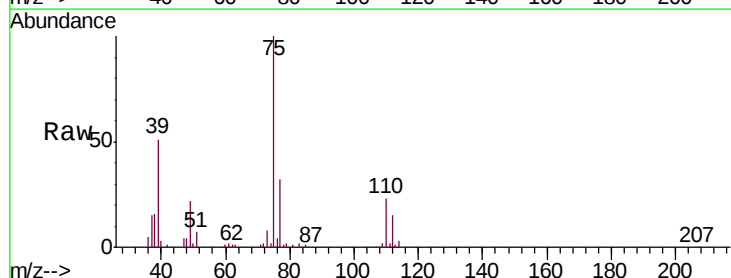
Acq: 25 Jun 2019 08:35

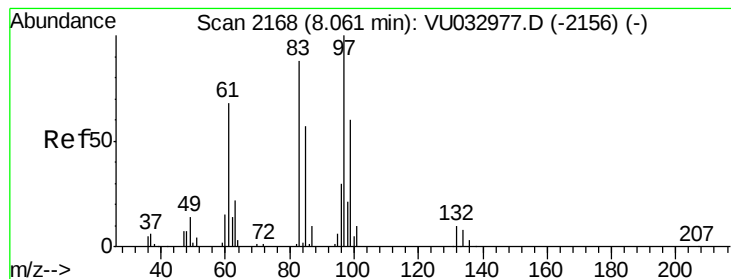
Tgt Ion: 75 Resp: 112089

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 53.234 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

BFB60

Tgt Ion: 97 Resp: 72461

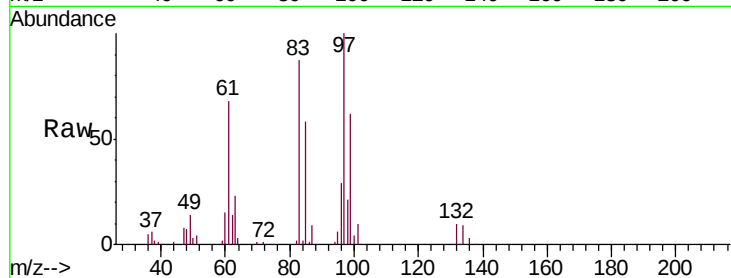
Ion Ratio Lower Upper

97 100

99 62.3 43.1 80.1

83 87.4 61.4 114.0

85 57.8 39.2 72.8

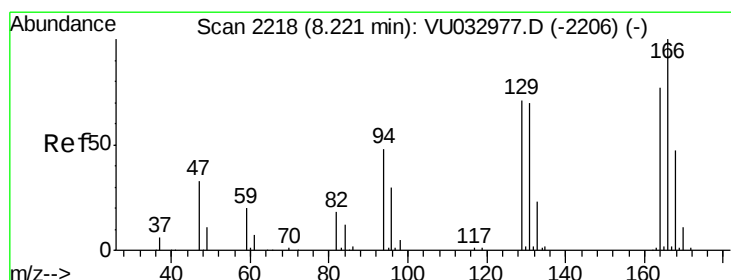
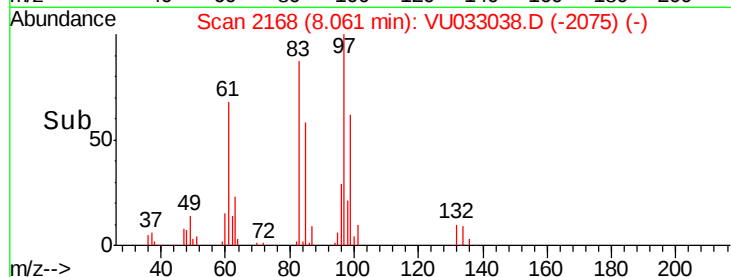
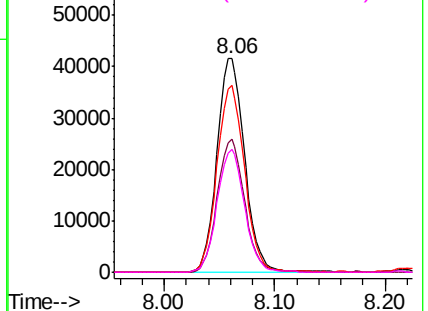


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 52.640 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Tgt Ion: 164 Resp: 61444

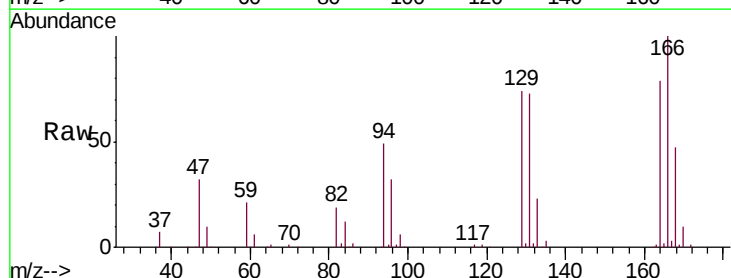
Ion Ratio Lower Upper

164 100

129 92.8 64.8 120.3

131 92.1 64.5 119.7

166 126.2 91.3 169.6

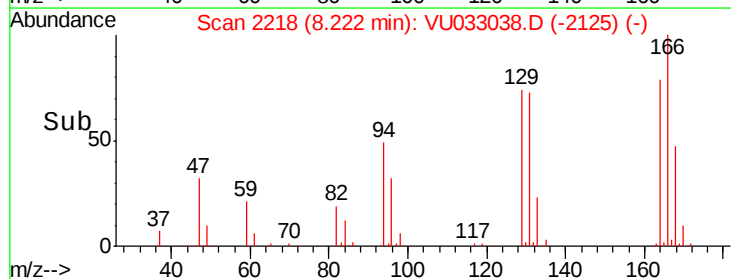
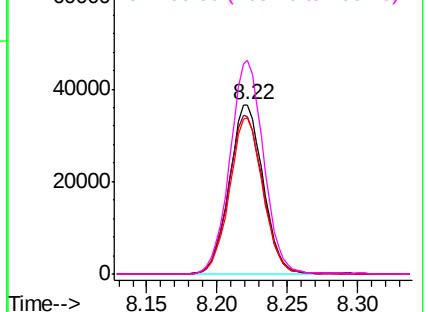


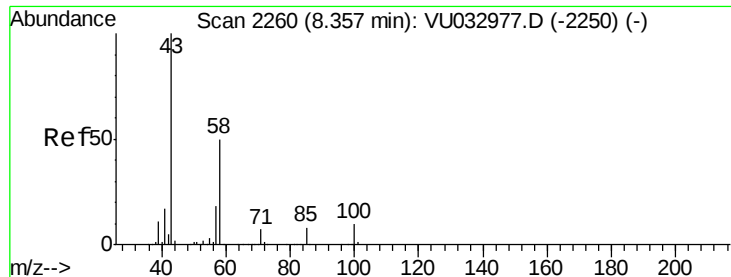
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

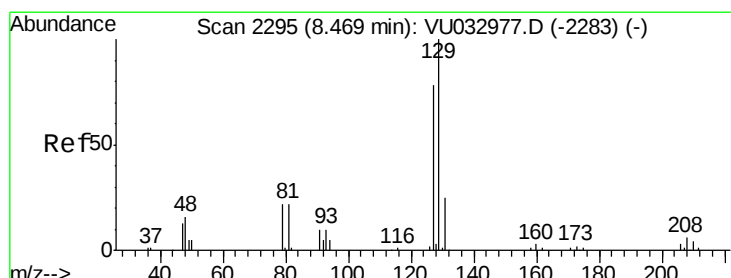
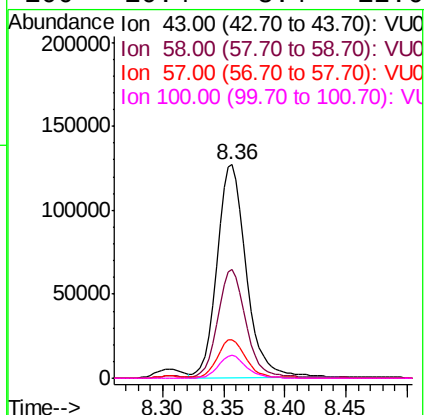
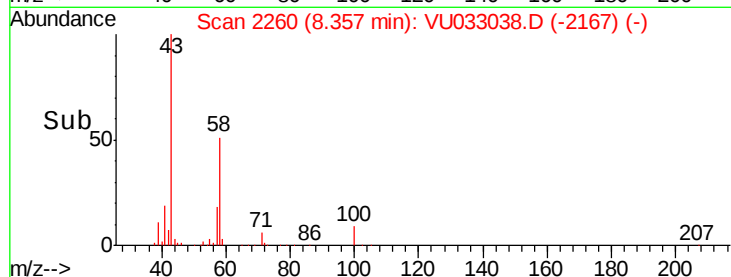
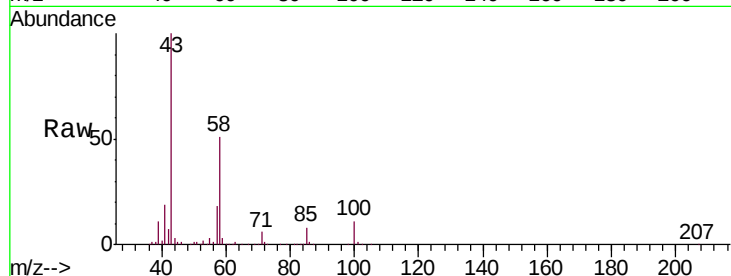




#48
2-Hexanone
Concen: 103.426 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU033038.D
Acq: 25 Jun 2019 08:35

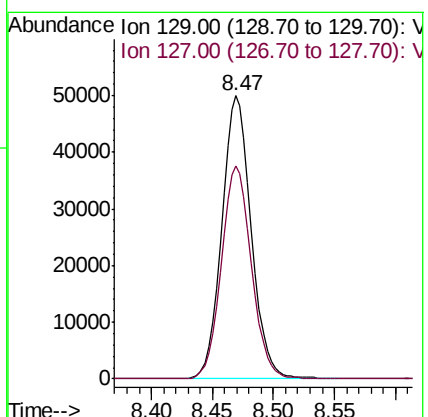
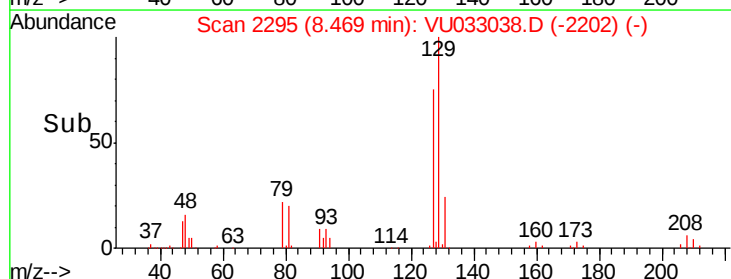
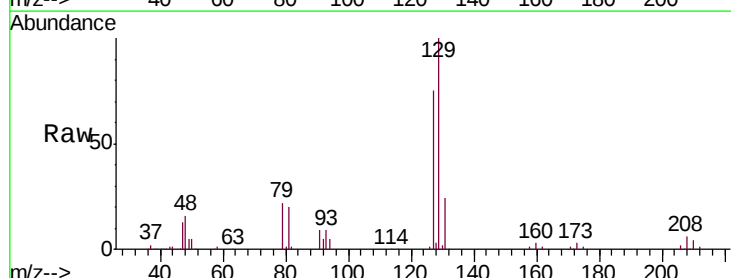
Instrument :
MSVOA_U
ClientSampleId :
BFB60

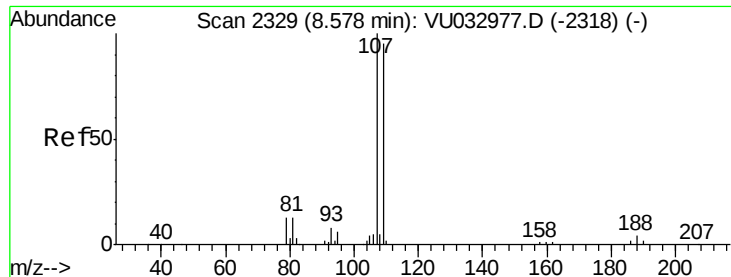
Tgt Ion: 43 Resp: 213062
Ion Ratio Lower Upper
43 100
58 50.9 40.2 60.2
57 17.7 14.2 21.4
100 10.4 8.4 12.6



#49
Dibromochloromethane
Concen: 51.451 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU033038.D
Acq: 25 Jun 2019 08:35

Tgt Ion: 129 Resp: 84429
Ion Ratio Lower Upper
129 100
127 75.4 52.3 97.1

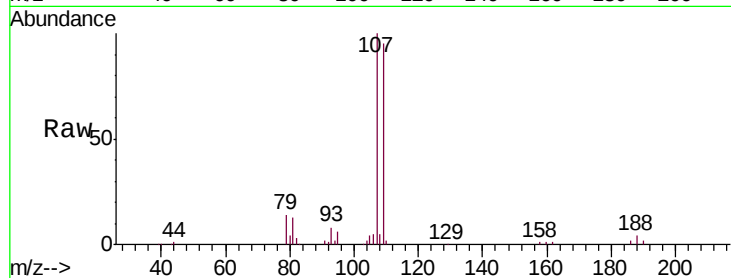




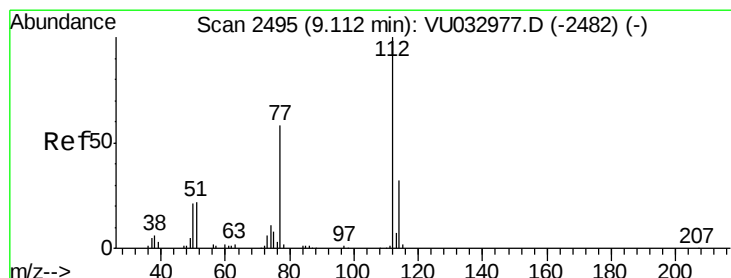
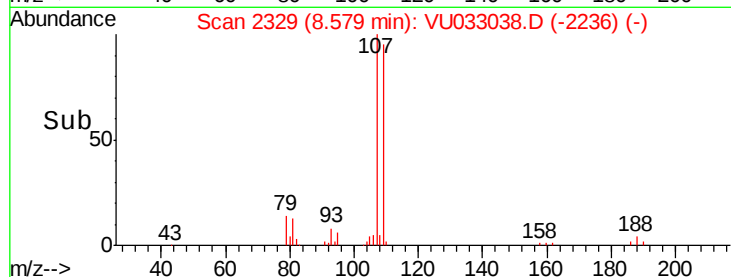
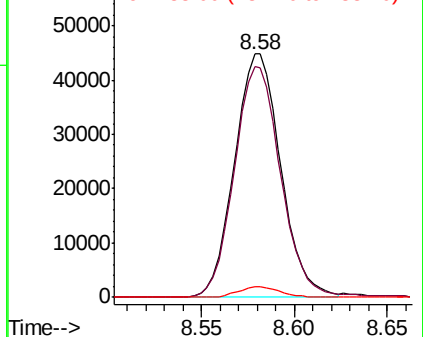
#50
1,2-Dibromoethane
Concen: 51.465 ug/L
RT: 8.58 min Scan# 2329
Delta R.T. 0.00 min
Lab File: VU033038.D
Acq: 25 Jun 2019 08:35

Instrument :
MSVOA_U
ClientSampleId :
BFB60

Tgt Ion:107 Resp: 77798
Ion Ratio Lower Upper
107 100
109 94.6 65.4 121.4
188 4.3 3.1 4.7

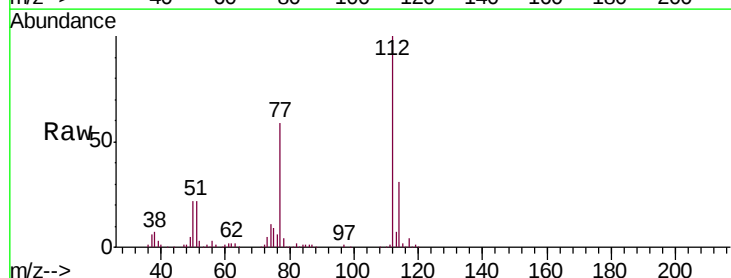


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

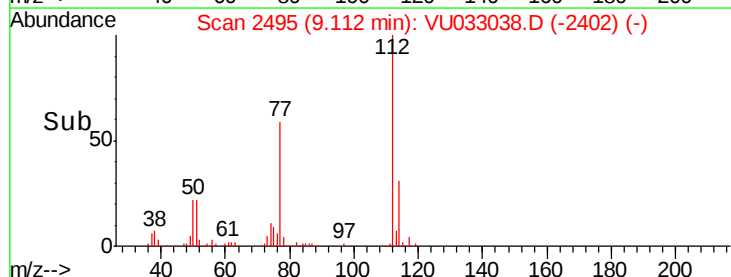
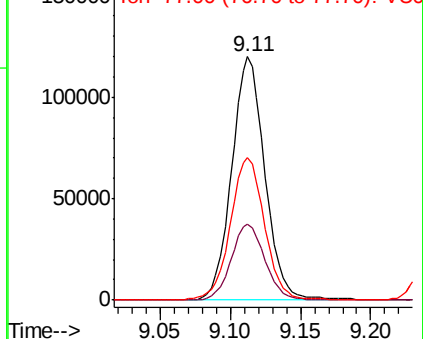


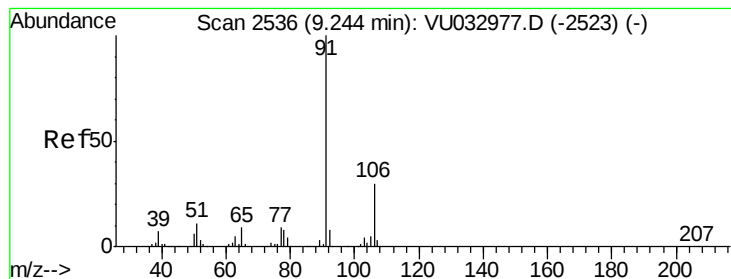
#51
Chlorobenzene
Concen: 51.819 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033038.D
Acq: 25 Jun 2019 08:35

Tgt Ion:112 Resp: 196697
Ion Ratio Lower Upper
112 100
114 31.1 22.8 42.4
77 58.7 46.3 69.5



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





#52

Ethylbenzene

Concen: 52.858 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

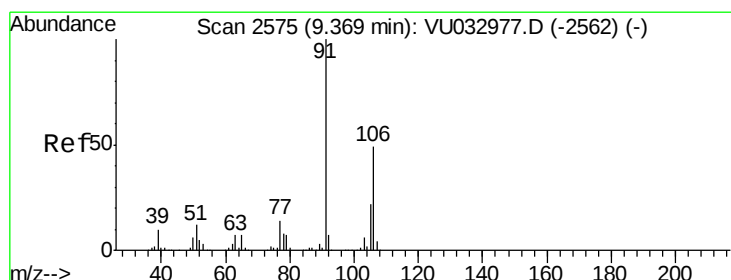
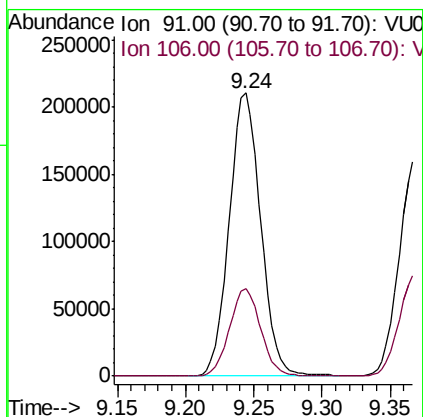
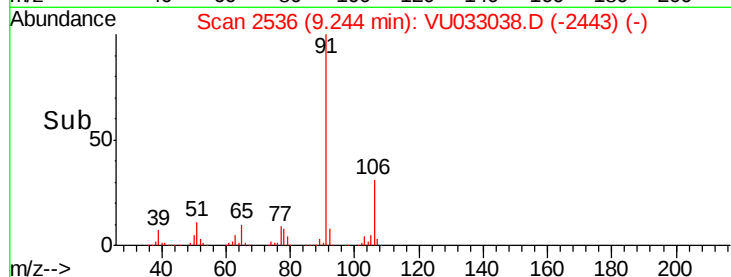
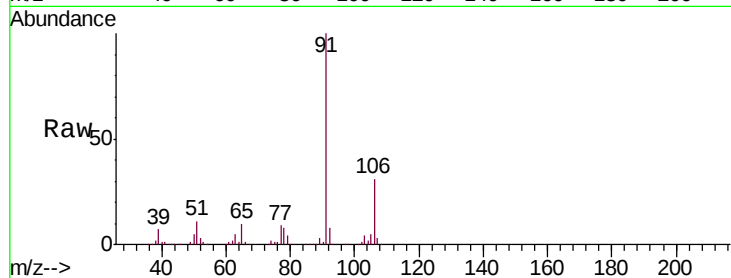
BFB60

Tgt Ion: 91 Resp: 337499

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.4



#53

m,p-Xylene

Concen: 52.205 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033038.D

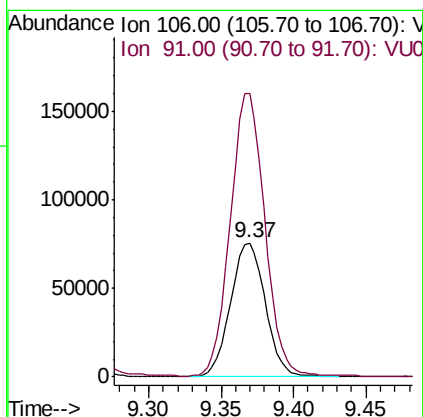
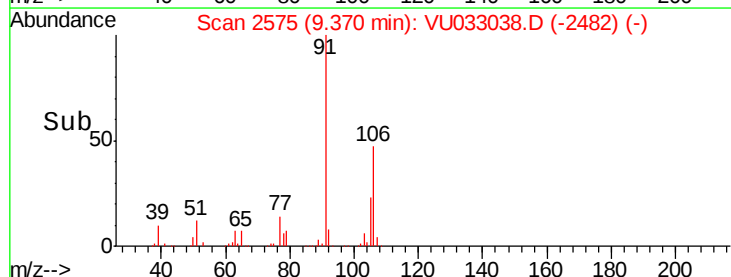
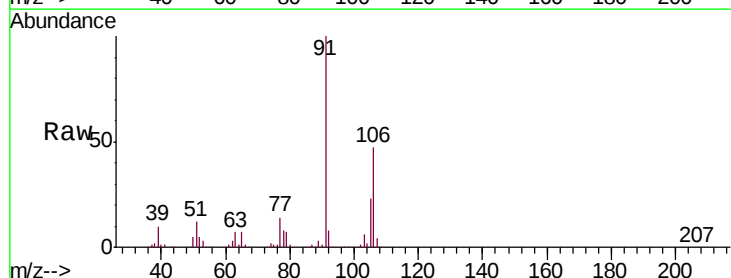
Acq: 25 Jun 2019 08:35

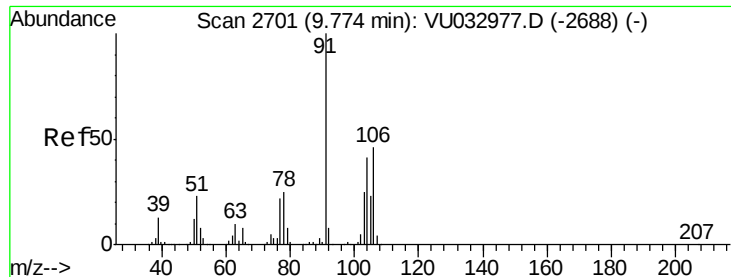
Tgt Ion: 106 Resp: 125762

Ion Ratio Lower Upper

106 100

91 211.3 142.9 265.5





#54

o-xylene

Concen: 53.786 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

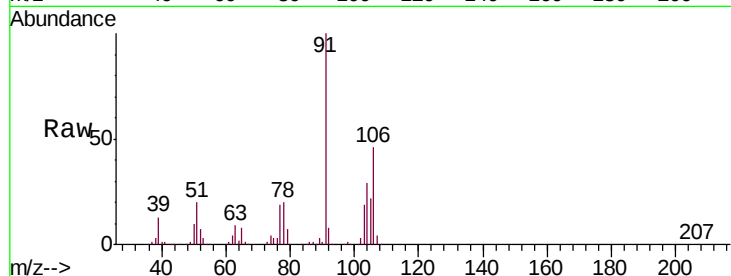
BFB60

Tgt Ion:106 Resp: 126536

Ion Ratio Lower Upper

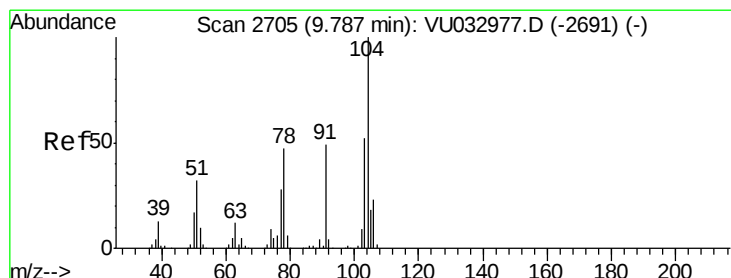
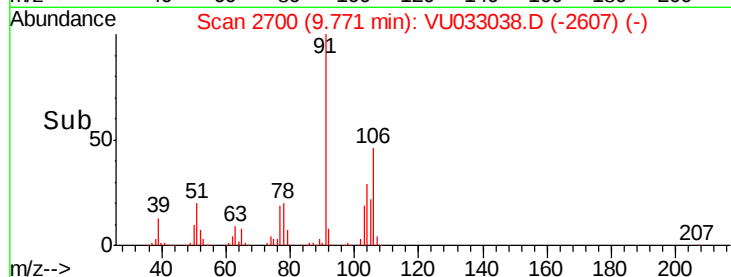
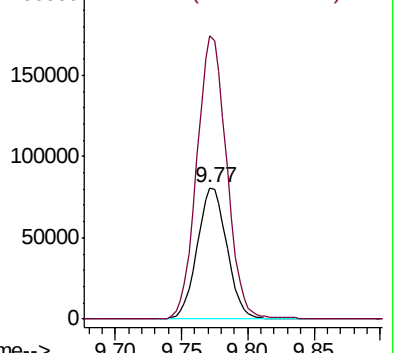
106 100

91 215.7 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.675 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. 0.00 min

Lab File: VU033038.D

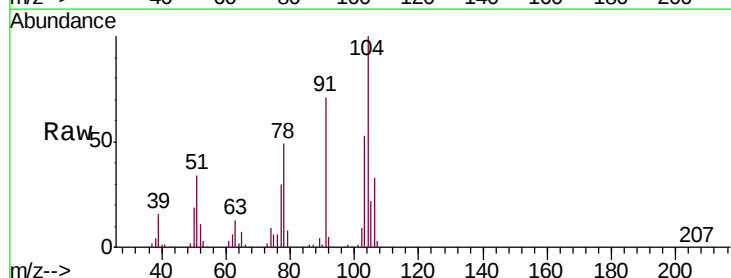
Acq: 25 Jun 2019 08:35

Tgt Ion:104 Resp: 214982

Ion Ratio Lower Upper

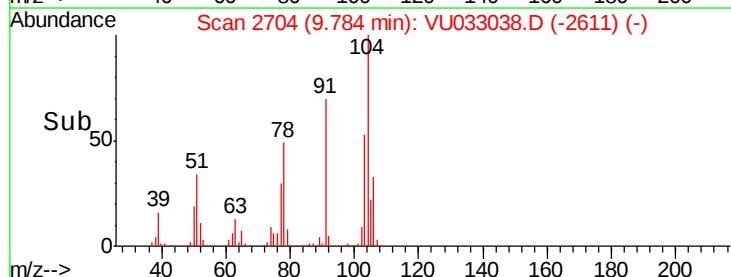
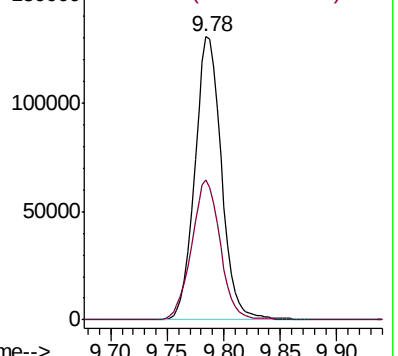
104 100

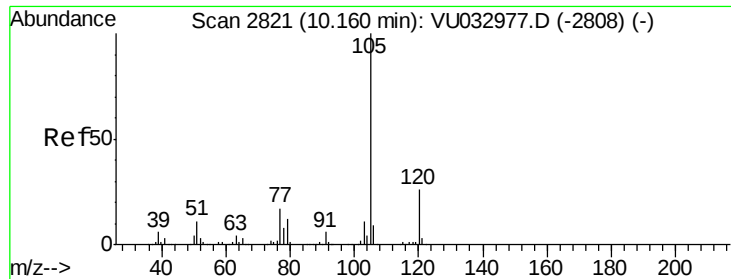
78 49.4 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.374 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampled :

BFB60

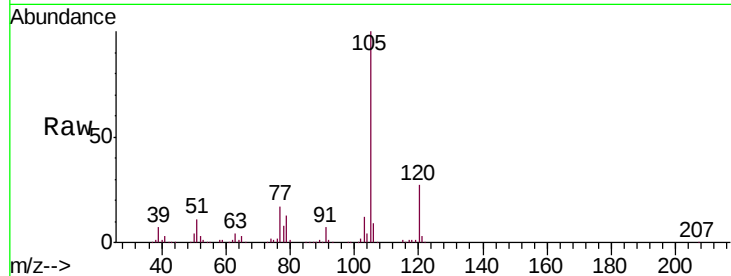
Tgt Ion: 105 Resp: 332057

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.0

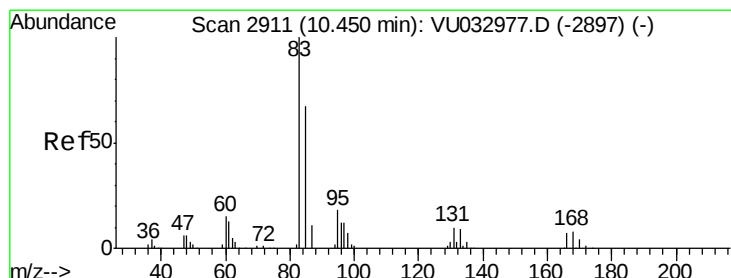
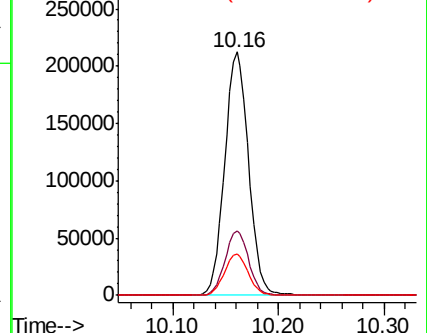
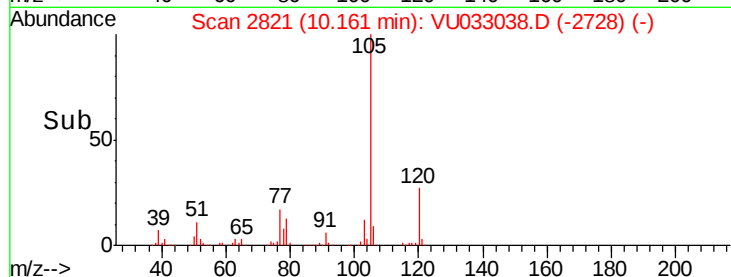
77 16.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.965 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

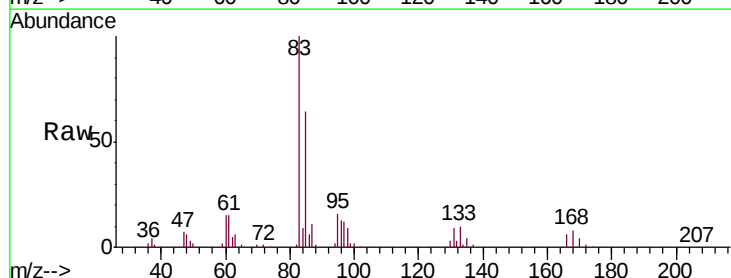
Tgt Ion: 83 Resp: 127992

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2

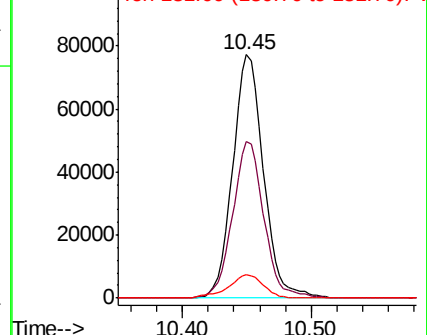
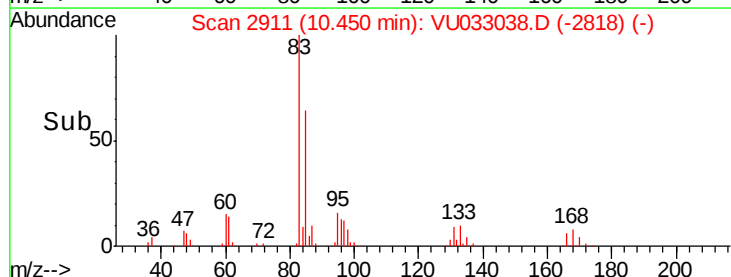
131 9.4 7.8 11.8

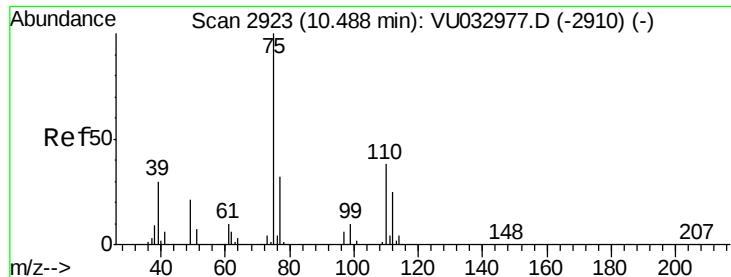


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.665 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

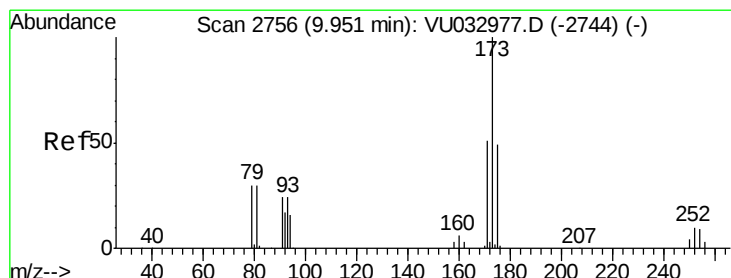
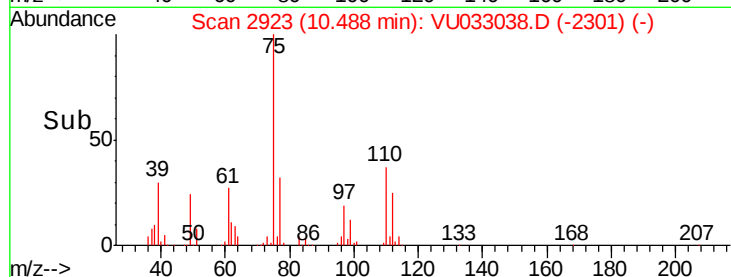
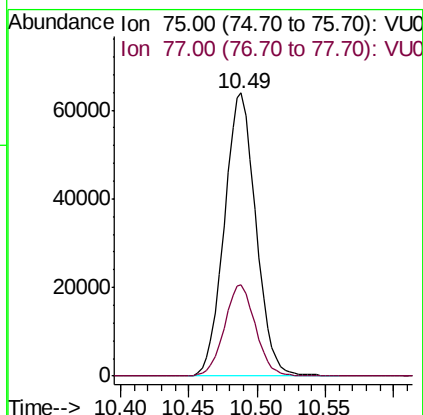
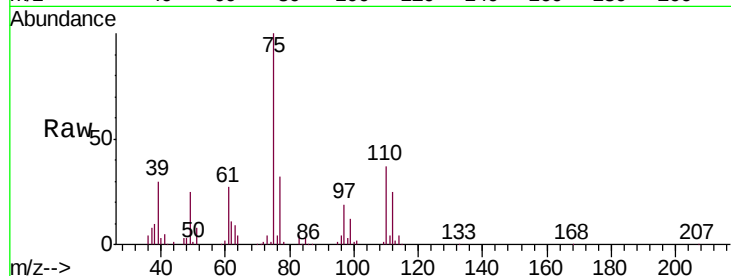
BFB60

Tgt Ion: 75 Resp: 102784

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#61

Bromoform

Concen: 50.657 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

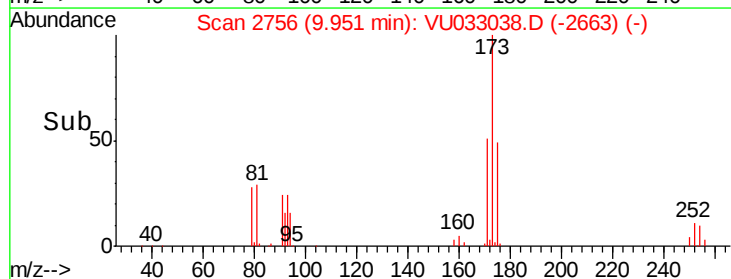
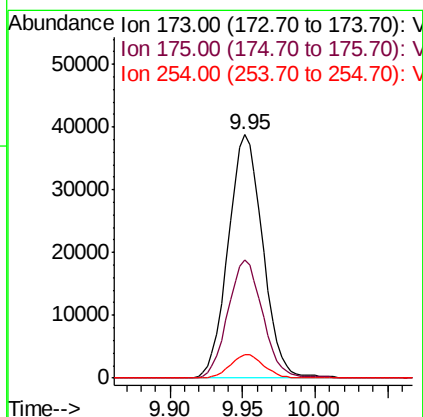
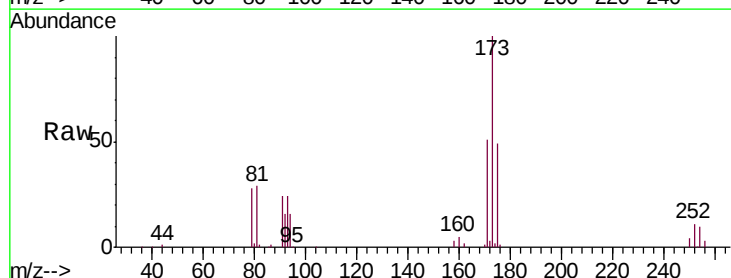
Tgt Ion: 173 Resp: 64148

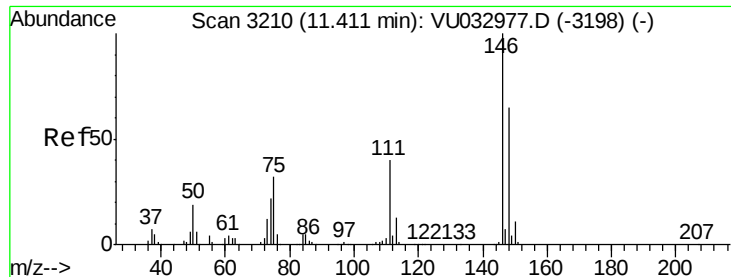
Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 9.4 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 51.585 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampleId :

BFB60

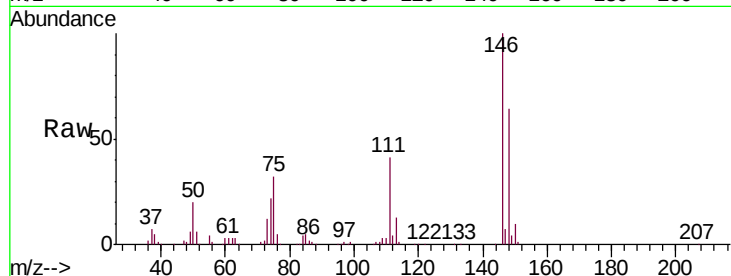
Tgt Ion:146 Resp: 155500

Ion Ratio Lower Upper

146 100

111 40.7 28.4 52.8

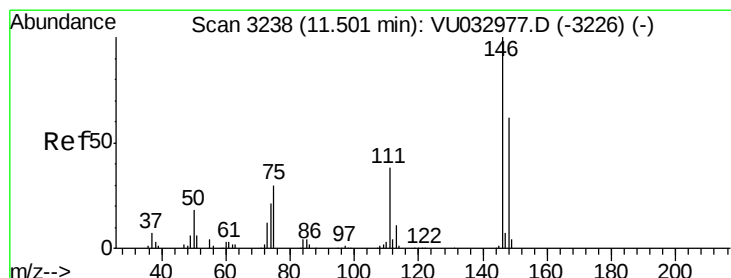
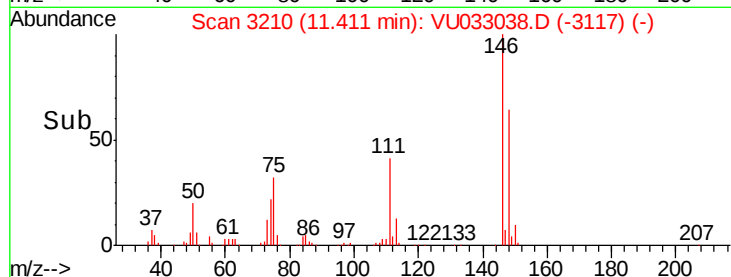
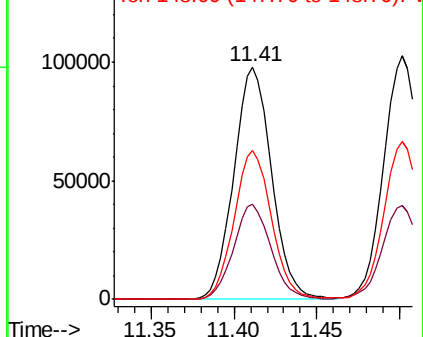
148 63.9 45.5 84.5



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: 51.418 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

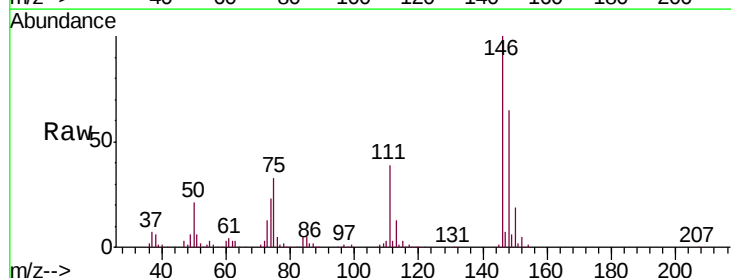
Tgt Ion:146 Resp: 160089

Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

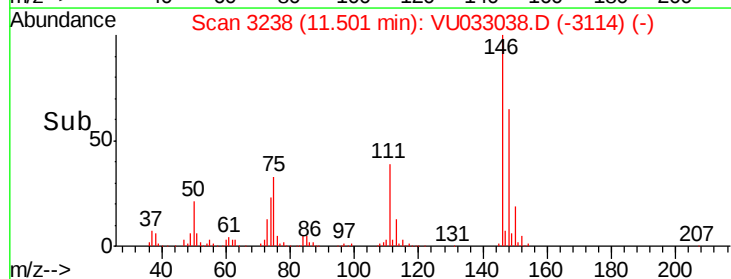
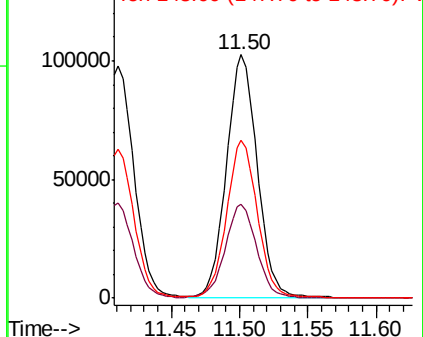
148 64.8 44.7 83.1

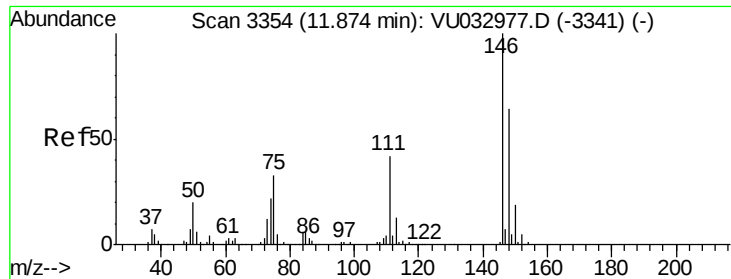


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

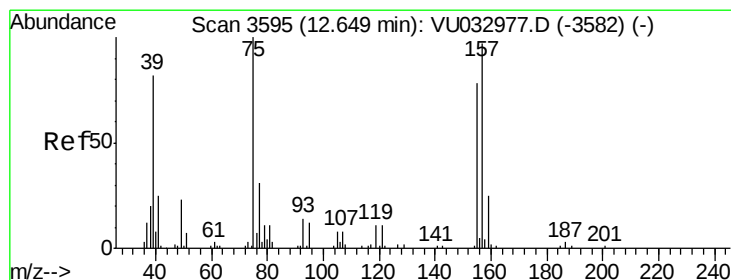
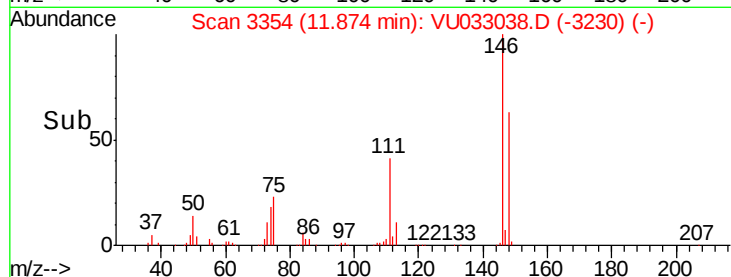
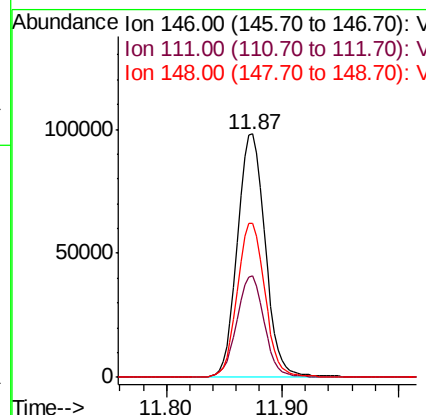
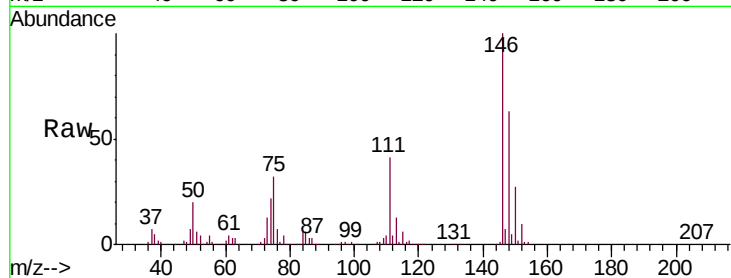




#65
 1,2-Dichlorobenzene
 Concen: 53.107 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

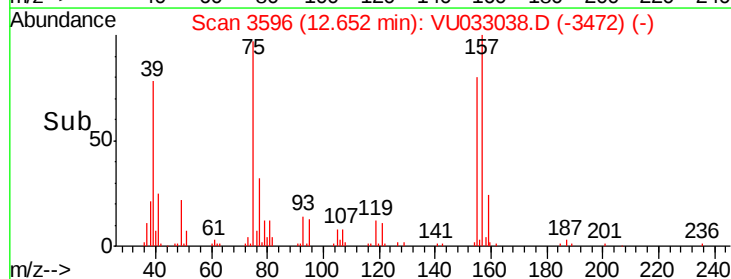
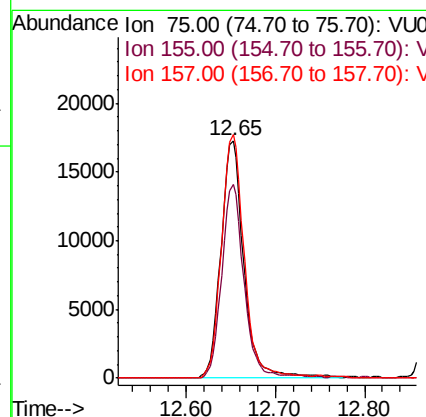
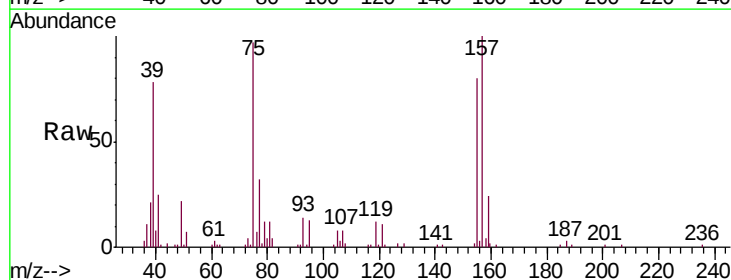
Instrument :
 MSVOA_U
 ClientSampled :
 BFB60

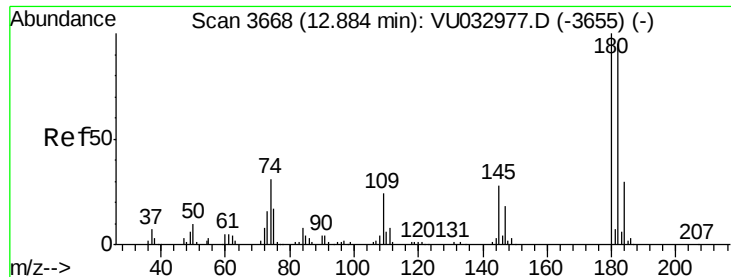
Tgt Ion: 146 Resp: 163456
 Ion Ratio Lower Upper
 146 100
 111 41.5 34.1 51.1
 148 63.1 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.459 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Tgt Ion: 75 Resp: 30804
 Ion Ratio Lower Upper
 75 100
 155 81.7 67.4 101.2
 157 102.6 85.5 128.3

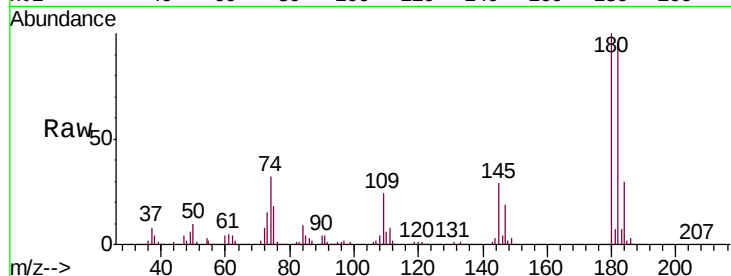




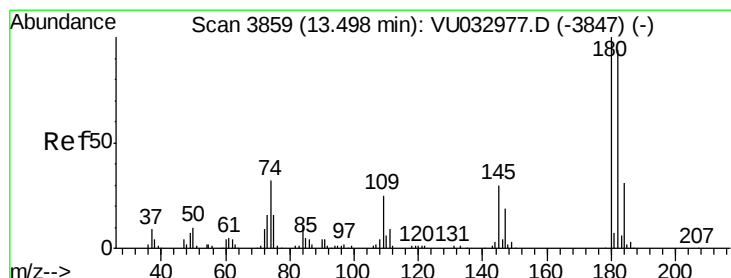
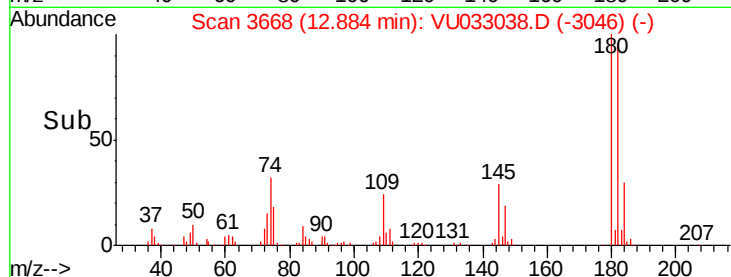
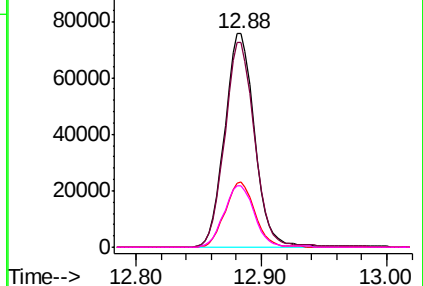
#67
 1,3,5-Trichlorobenzene
 Concen: 51.625 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB60

Tgt Ion:180 Resp: 125040
 Ion Ratio Lower Upper
 180 100
 182 95.6 78.3 117.5
 184 30.0 24.8 37.2
 145 29.4 23.4 35.2

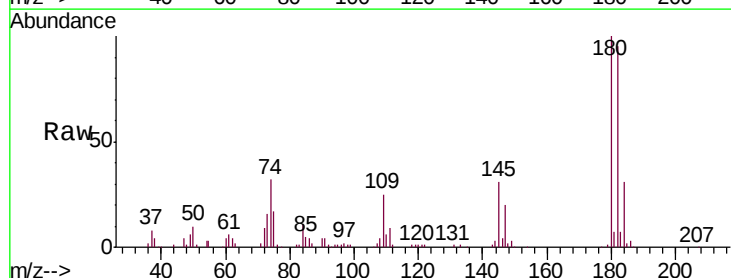


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

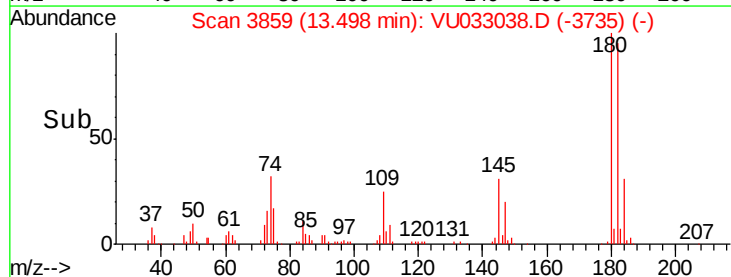
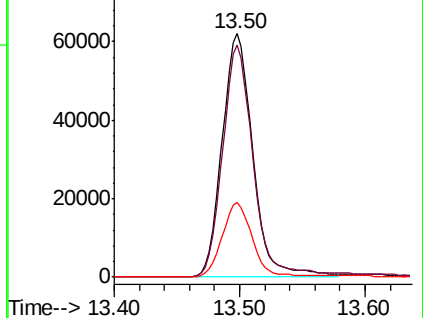


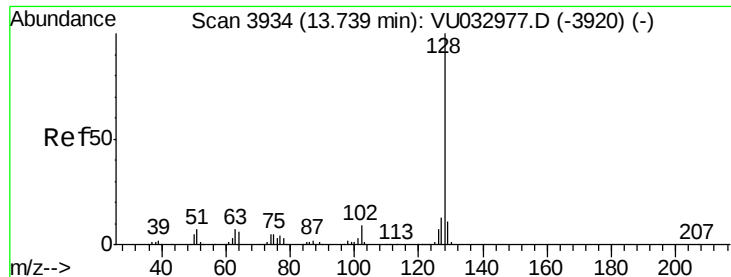
#68
 1,2,4-trichlorobenzene
 Concen: 50.769 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU033038.D
 Acq: 25 Jun 2019 08:35

Tgt Ion:180 Resp: 105809
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.4
 145 29.9 23.8 35.8



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: 47.201 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

Instrument :

MSVOA_U

ClientSampled :

BFB60

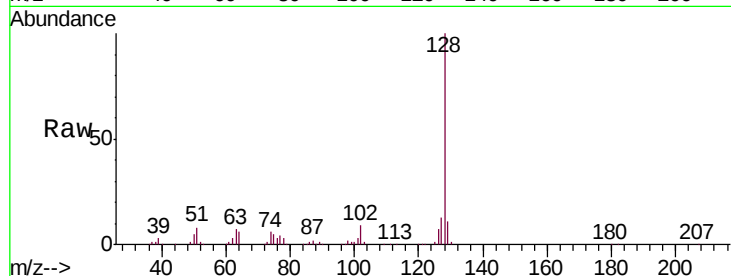
Tgt Ion:128 Resp: 302462

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

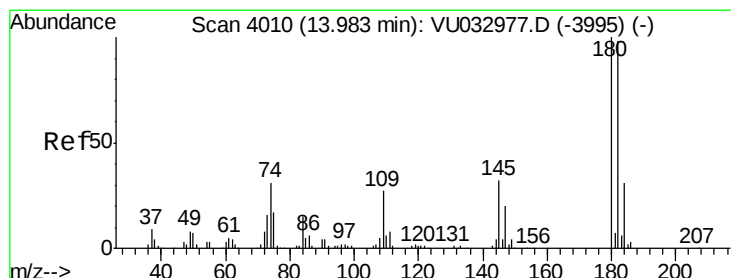
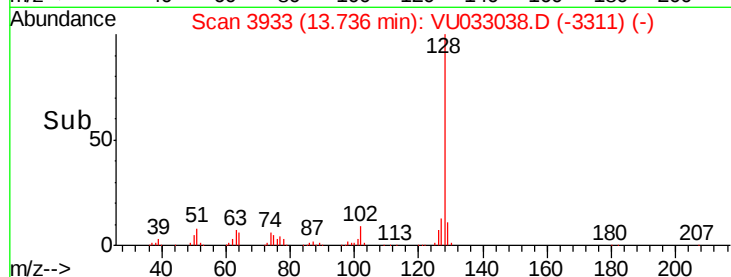
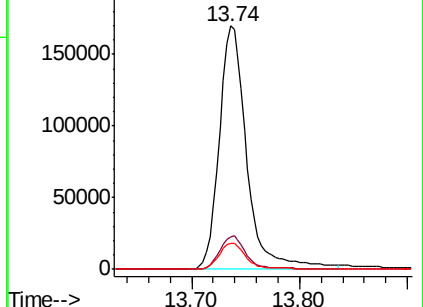
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.087 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033038.D

Acq: 25 Jun 2019 08:35

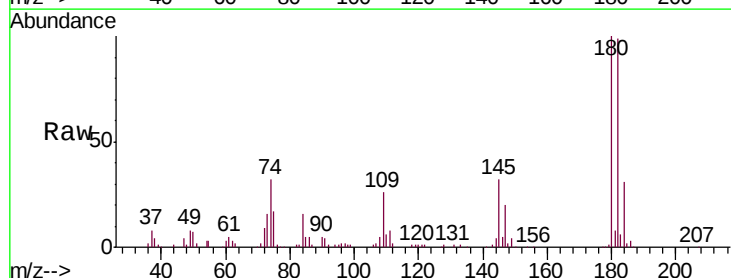
Tgt Ion:180 Resp: 108299

Ion Ratio Lower Upper

180 100

182 96.7 77.0 115.6

145 32.4 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

