

Data File : VU036583.D
Acq On : 29 Jan 2020 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB44

Quant Time: Jan 30 02:45:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jan 29 11:29:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	294759	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	273763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133433	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	108827	49.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.58%
7) Chloroethane-d5	1.93	69	92551	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.72%
11) 1,1-Dichloroethene-d2	2.60	63	177124	49.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.24%
21) 2-Butanone-d5	4.67	46	127677	97.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.43%
24) Chloroform-d	5.11	84	179279	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
26) 1,2-Dichloroethane-d4	5.74	65	108828	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
32) Benzene-d6	5.77	84	390747	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
36) 1,2-Dichloropropane-d6	6.73	67	118448	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.72%
41) Toluene-d8	7.93	98	376660	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%
43) trans-1,3-Dichloropropene-	8.21	79	57872	50.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.42%
47) 2-Hexanone-d5	8.66	63	110974	99.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	172663	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	12.21	152	138959	48.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	114467	50.982	ug/L 99
3) Chloromethane	1.54	50	113607	47.531	ug/L 99
5) Vinyl chloride	1.62	62	126807	49.755	ug/L 99
6) Bromomethane	1.87	94	78928	52.786	ug/L 99
8) Chloroethane	1.95	64	74974	48.812	ug/L 99
9) Trichlorofluoromethane	2.16	101	150933	50.359	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	96355	51.723	ug/L 100
12) 1,1-Dichloroethene	2.61	96	92102	50.273	ug/L 97
13) Acetone	2.66	43	110889	87.418	ug/L 98
14) Carbon disulfide	2.82	76	273684	49.443	ug/L 99
15) Methyl Acetate	2.98	43	96258	48.533	ug/L 100
16) Methylene chloride	3.08	84	106233	47.807	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	97991	49.791	ug/L 96
18) Methyl tert-butyl Ether	3.41	73	304778	48.356	ug/L 99
19) 1,1-Dichloroethane	3.92	63	170908	48.707	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	109623	49.002	ug/L 98
22) 2-Butanone	4.75	43	145393	95.394	ug/L 100

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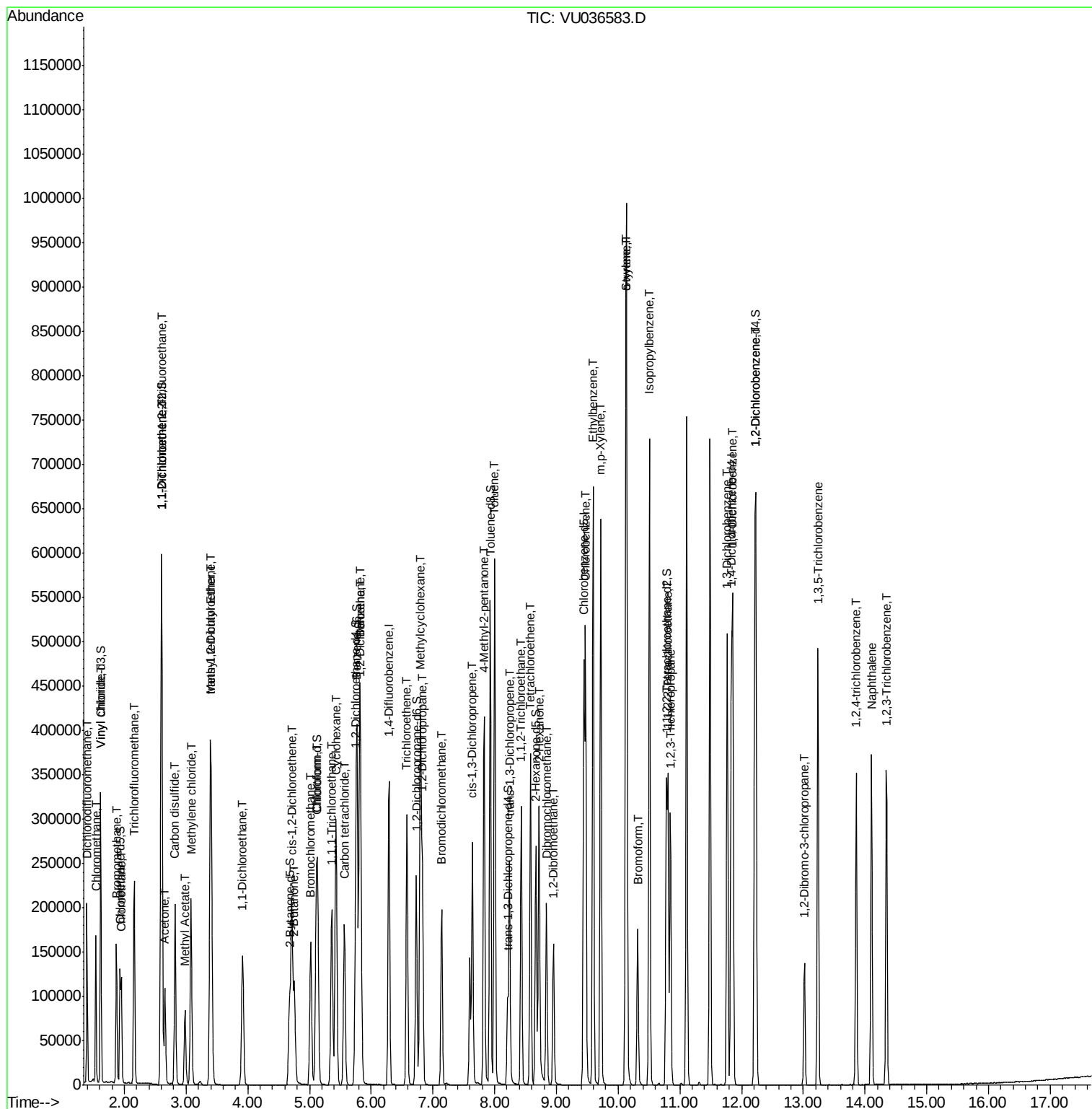
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	55877	48.078	ug/L	99
25) Chloroform	5.13	83	175010	48.634	ug/L	97
27) 1,2-Dichloroethane	5.83	62	129212	47.983	ug/L	99
29) Cyclohexane	5.43	56	159523	50.923	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	145055	50.470	ug/L	100
31) Carbon tetrachloride	5.56	117	125436	50.802	ug/L	98
33) Benzene	5.82	78	408969	49.966	ug/L	100
34) Trichloroethene	6.58	95	105799	50.219	ug/L	100
35) Methylcyclohexane	6.80	83	182276	51.874	ug/L	99
37) 1,2-Dichloropropane	6.83	63	104284	50.130	ug/L	100
38) Bromodichloromethane	7.14	83	130632	49.979	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	164224	48.999	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	256368	95.997	ug/L	100
42) Toluene	8.00	91	449209	50.492	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	147177	50.041	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	101821	48.797	ug/L	99
46) Tetrachloroethene	8.58	164	86715	50.667	ug/L	97
48) 2-Hexanone	8.72	43	198858	98.993	ug/L	97
49) Dibromochloromethane	8.84	129	109660	49.646	ug/L	99
50) 1,2-Dibromoethane	8.95	107	109592	48.724	ug/L	99
51) Chlorobenzene	9.47	112	289594	49.882	ug/L	100
52) Ethylbenzene	9.60	91	488864	50.162	ug/L	99
53) m,p-Xylene	9.72	106	194063	51.054	ug/L	98
54) o-xylene	10.12	106	188361	49.679	ug/L	100
55) Styrene	10.14	104	311701	50.658	ug/L	100
56) Isopropylbenzene	10.51	105	487343	50.554	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	174593	48.533	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	134980	47.999	ug/L	100
61) Bromoform	10.32	173	82798	46.659	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	219777	48.541	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	216037	48.466	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	218565	47.628	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	35169	47.999	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	157658	50.701	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	113530	51.233	ug/L	98
69) Naphthalene	14.10	128	304654	47.510	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	114853	50.293	ug/L	99

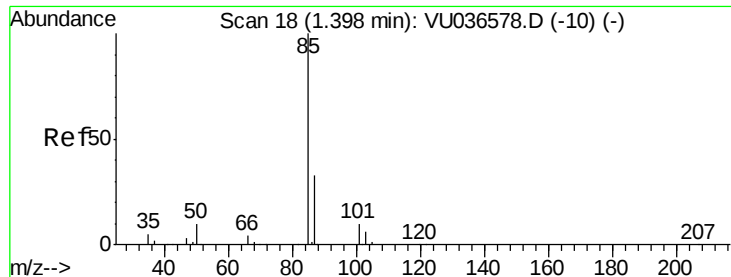
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.982 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

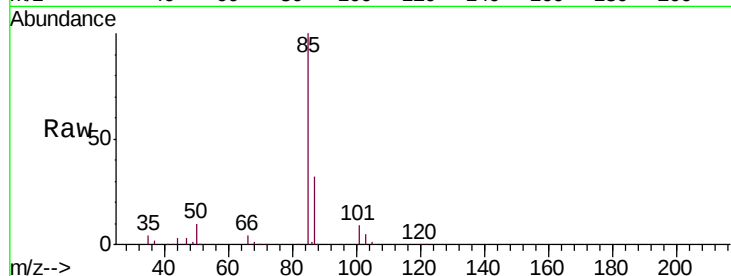
BFB44

Tgt Ion: 85 Resp: 114467

Ion Ratio Lower Upper

85 100

87 31.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU036578.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036578.D (-10) (-)

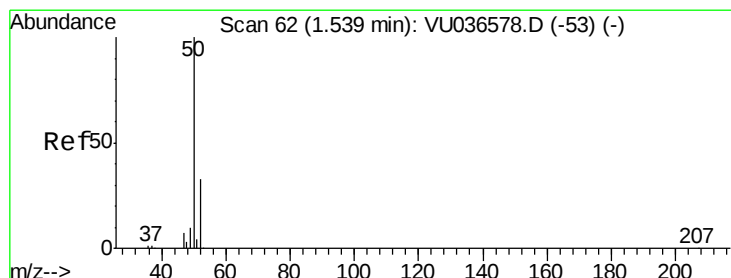
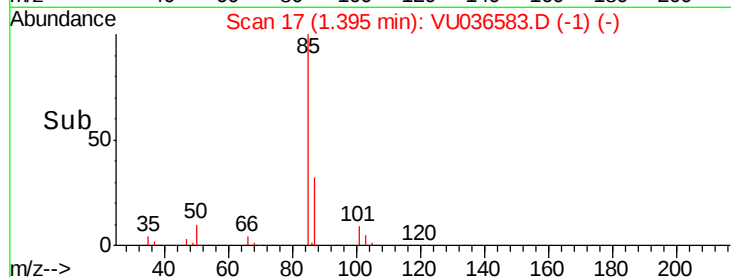
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.531 ug/L

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU036583.D

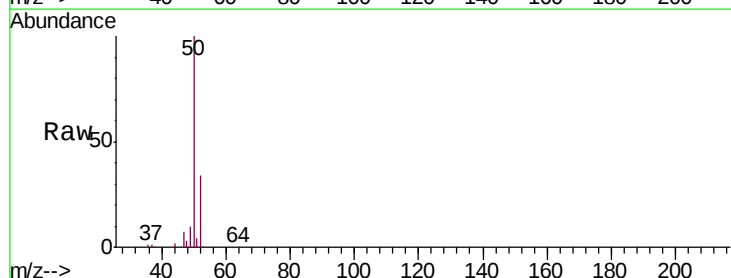
Acq: 29 Jan 2020 10:32

Tgt Ion: 50 Resp: 113607

Ion Ratio Lower Upper

50 100

52 33.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU036578.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036578.D (-53) (-)

1.54

120000

100000

80000

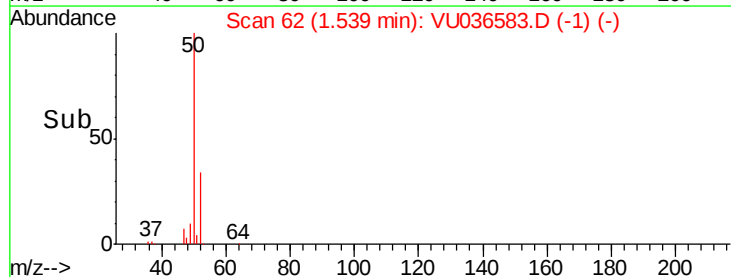
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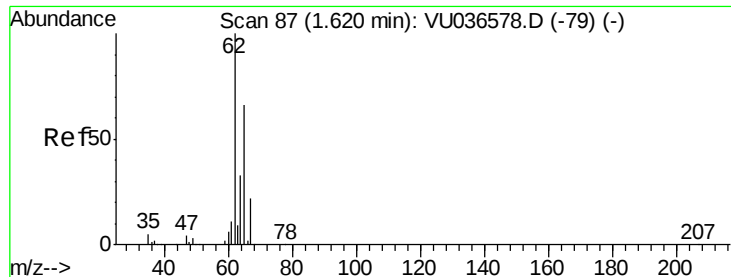
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 49.755 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

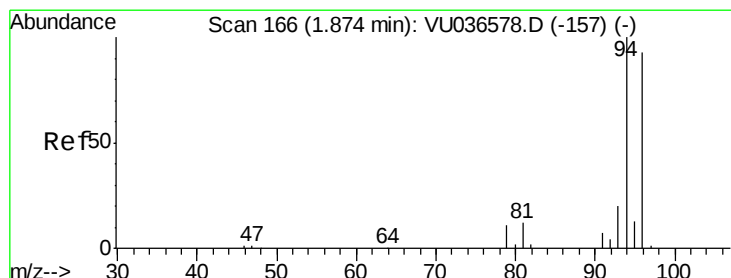
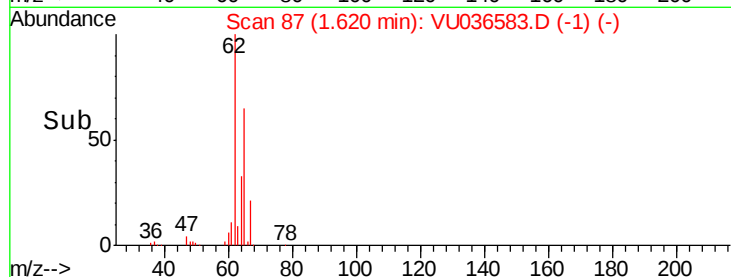
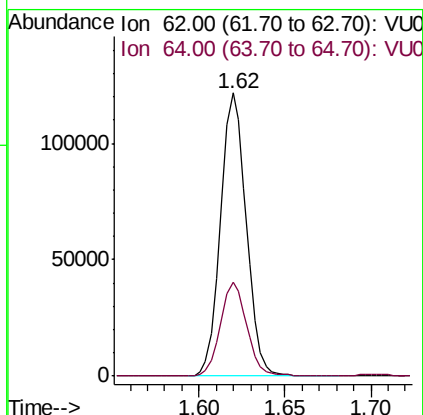
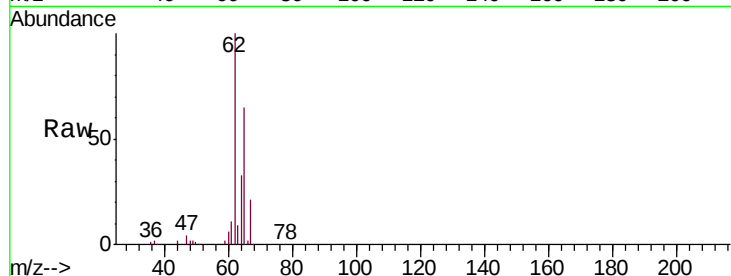
BFB44

Tgt Ion: 62 Resp: 126807

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#6

Bromomethane

Concen: 52.786 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036583.D

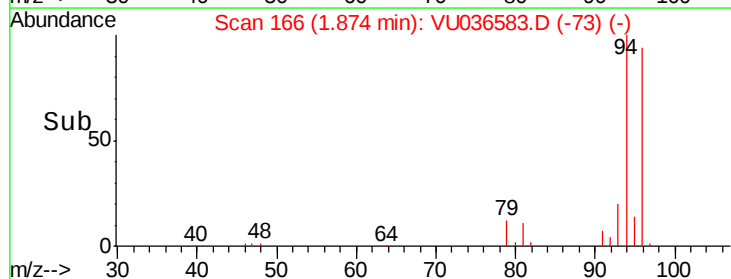
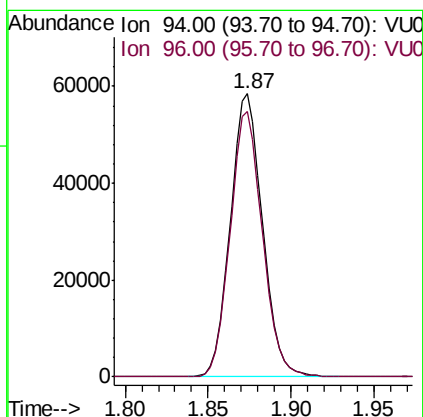
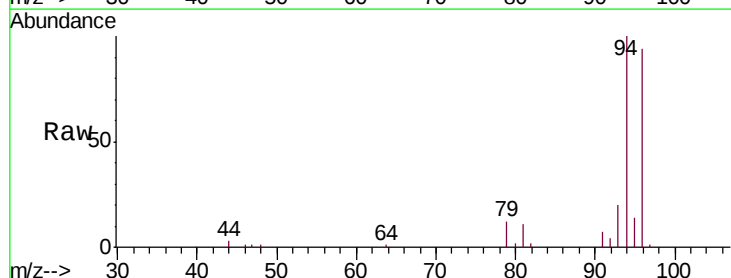
Acq: 29 Jan 2020 10:32

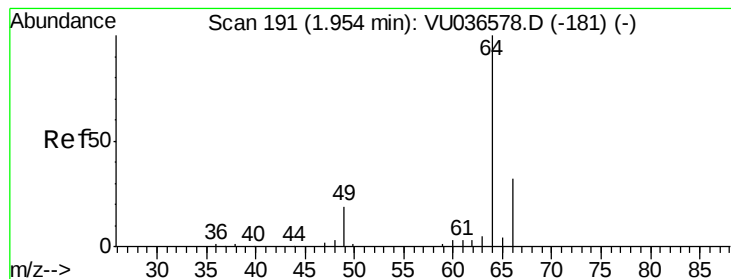
Tgt Ion: 94 Resp: 78928

Ion Ratio Lower Upper

94 100

96 93.9 64.8 120.4





#8

Chloroethane

Concen: 48.812 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

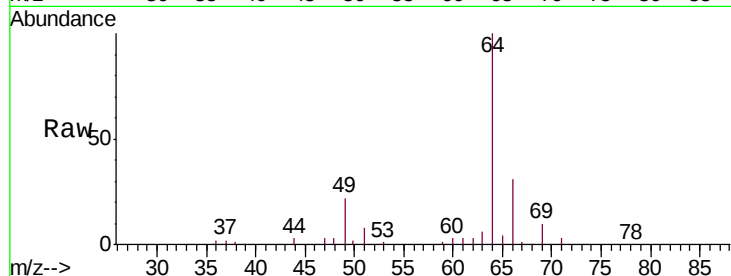
BFB44

Tgt Ion: 64 Resp: 74974

Ion Ratio Lower Upper

64 100

66 31.3 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU036578.D (-181) (-)

Ion 66.00 (65.70 to 66.70): VU036583.D (-67) (-)

1.95

60000

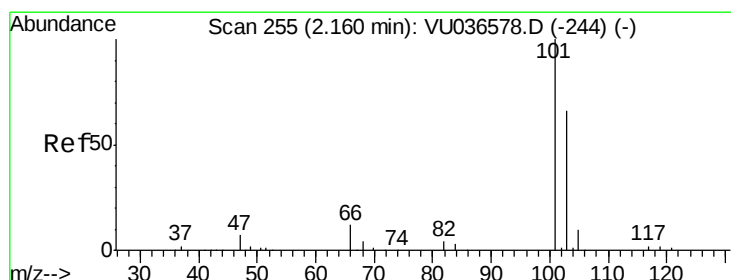
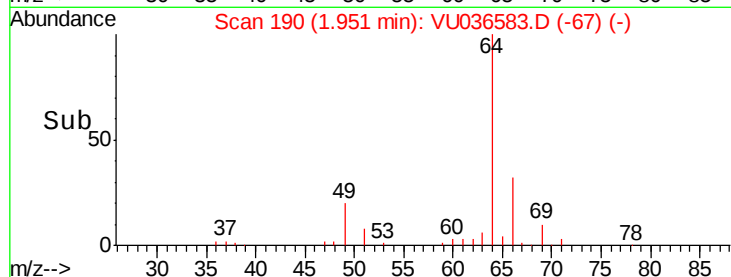
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 50.359 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU036583.D

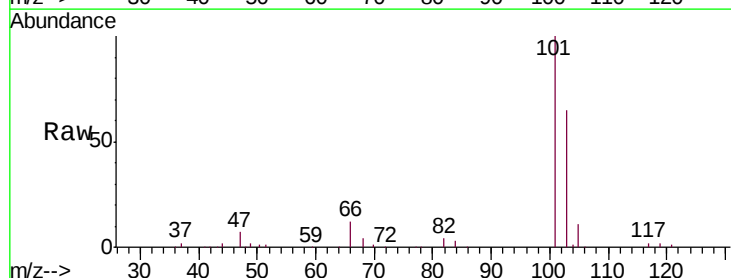
Acq: 29 Jan 2020 10:32

Tgt Ion: 101 Resp: 150933

Ion Ratio Lower Upper

101 100

103 64.7 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU036578.D (-244) (-)

Ion 103.00 (102.70 to 103.70): VU036583.D (-131) (-)

2.16

120000

100000

80000

60000

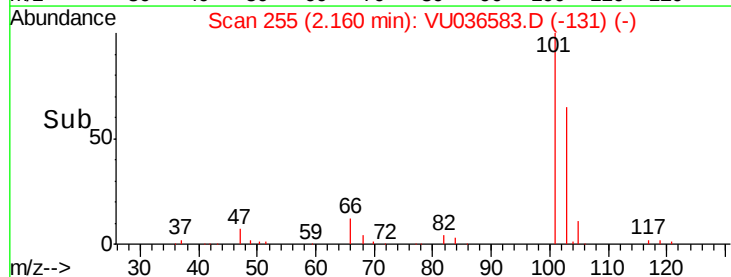
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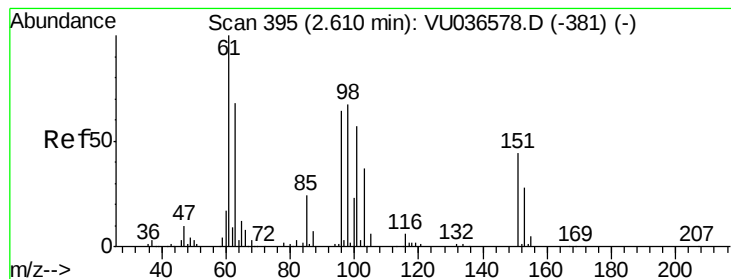
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 51.723 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

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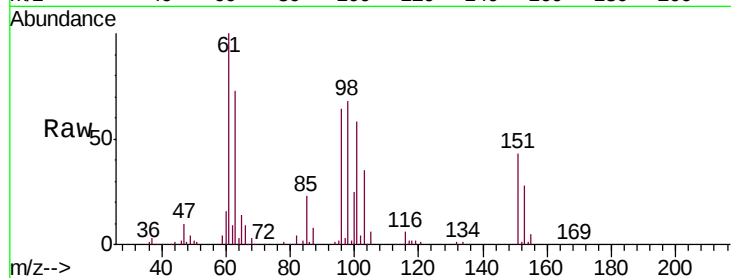
Tgt Ion: 101 Resp: 96355

Ion Ratio Lower Upper

101 100

85 40.9 32.6 49.0

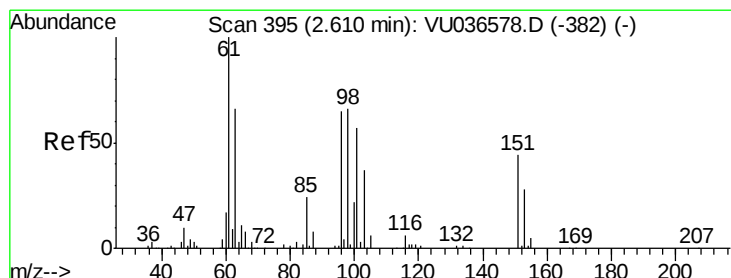
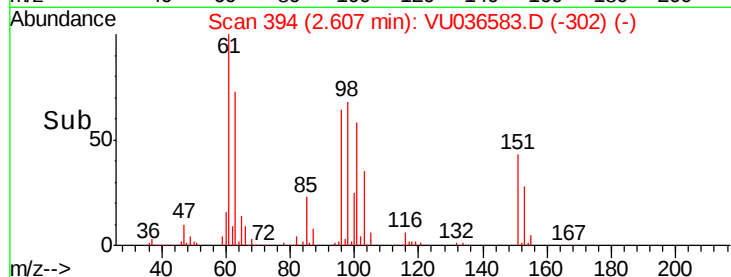
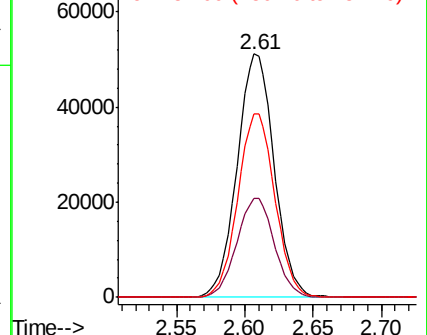
151 75.4 60.3 90.5



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: 50.273 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

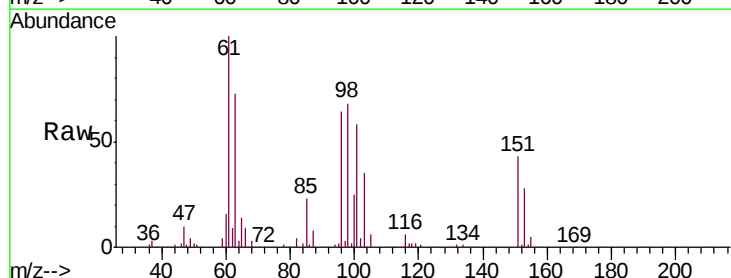
Tgt Ion: 96 Resp: 92102

Ion Ratio Lower Upper

96 100

61 156.5 108.6 201.8

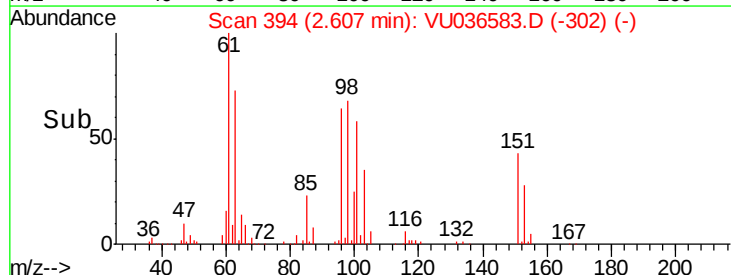
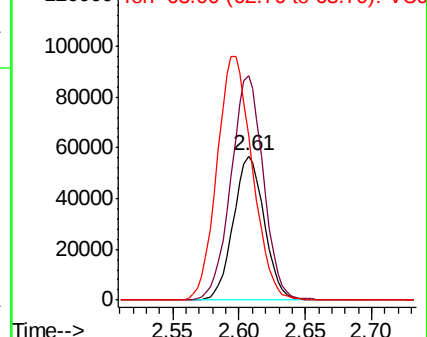
63 114.1 75.0 139.2

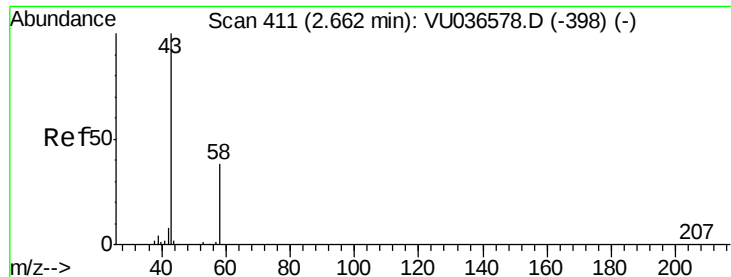


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 87.418 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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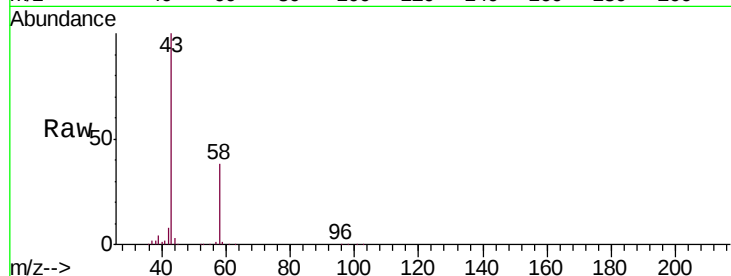
BFB44

Tgt Ion: 43 Resp: 110889

Ion Ratio Lower Upper

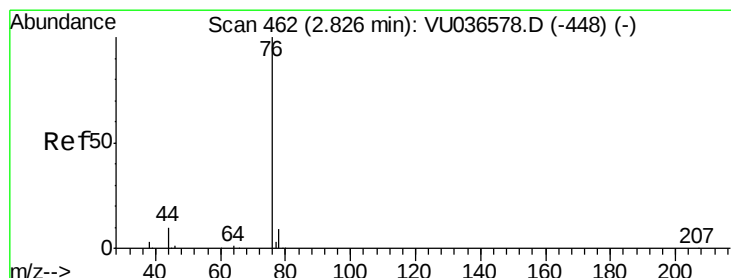
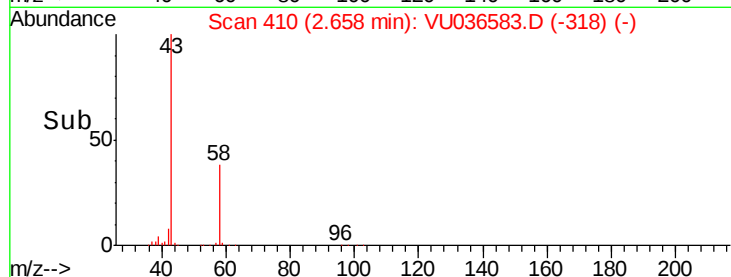
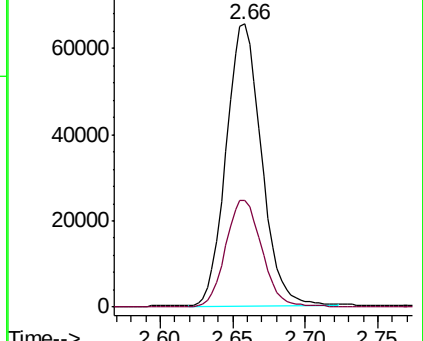
43 100

58 39.0 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036578.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036578.D (-398) (-)



#14

Carbon disulfide

Concen: 49.443 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036583.D

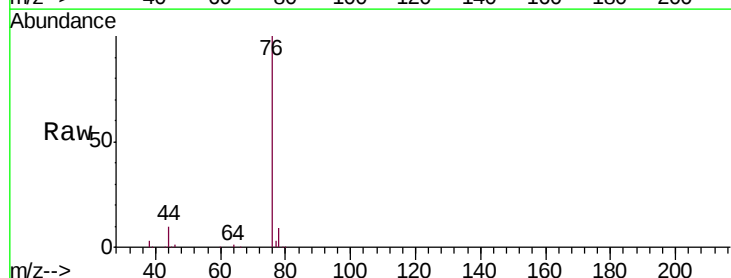
Acq: 29 Jan 2020 10:32

Tgt Ion: 76 Resp: 273684

Ion Ratio Lower Upper

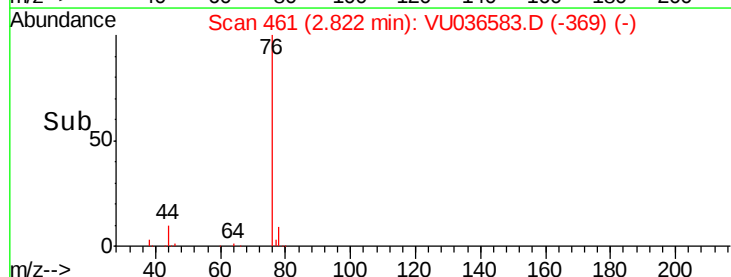
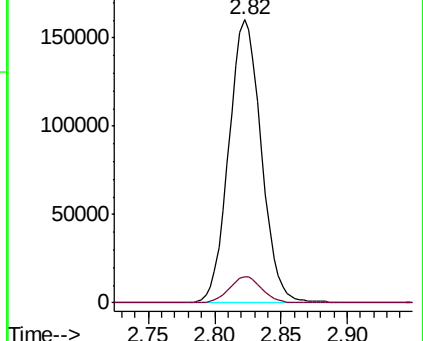
76 100

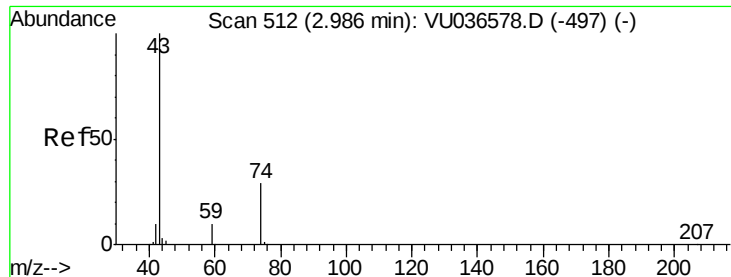
78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036578.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036578.D (-448) (-)

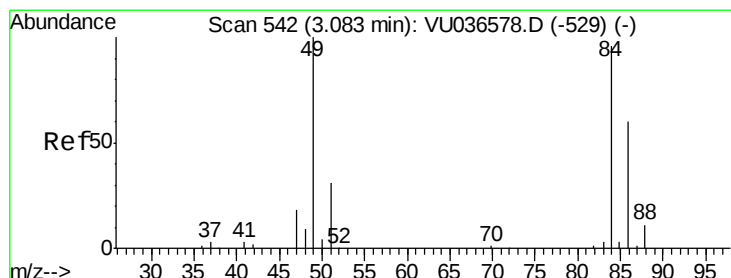
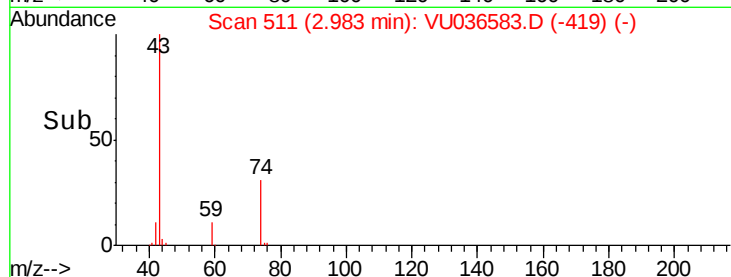
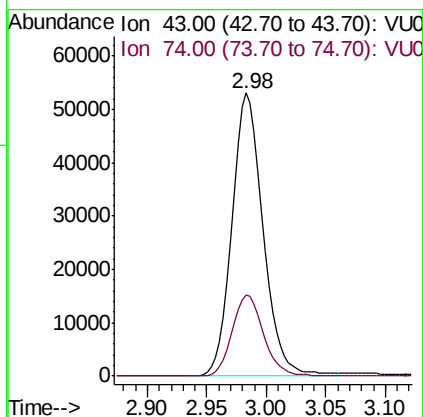
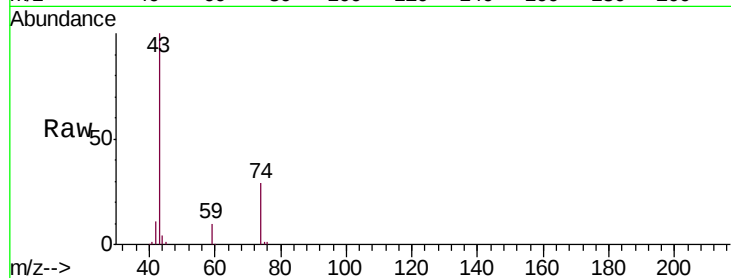




#15
Methyl Acetate
Concen: 48.533 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

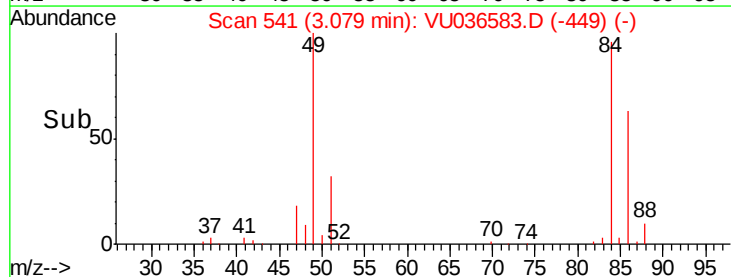
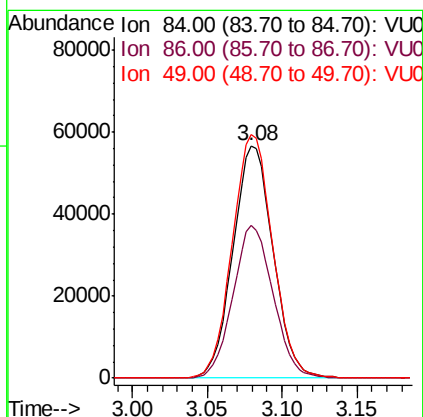
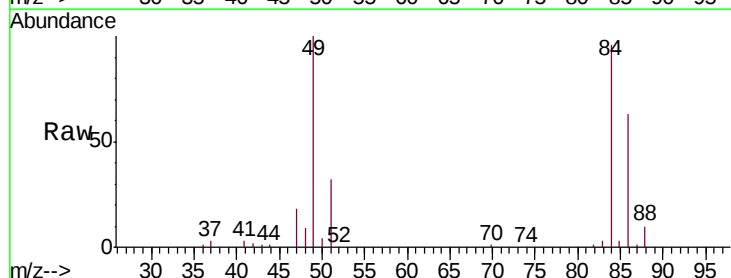
Instrument :
MSVOA_U
ClientSampleId :
BFB44

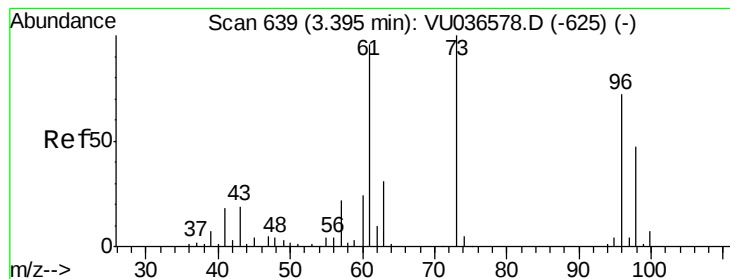
Tgt Ion: 43 Resp: 96258
Ion Ratio Lower Upper
43 100
74 29.0 23.3 34.9



#16
Methylene chloride
Concen: 47.807 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

Tgt Ion: 84 Resp: 106233
Ion Ratio Lower Upper
84 100
86 65.5 44.1 81.9
49 104.7 73.3 136.1





#17

trans-1,2-Dichloroethene

Concen: 49.791 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BFB44

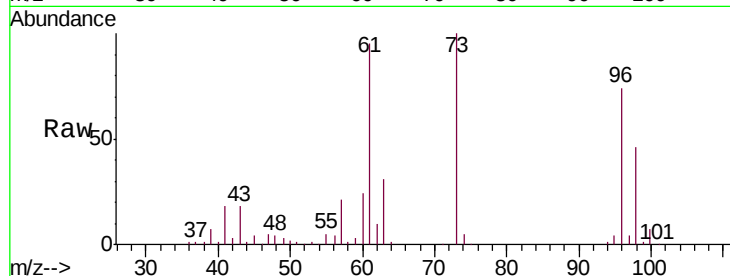
Tgt Ion: 96 Resp: 97991

Ion Ratio Lower Upper

96 100

61 129.2 93.4 173.4

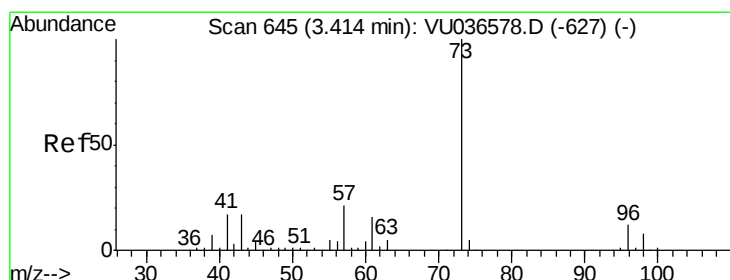
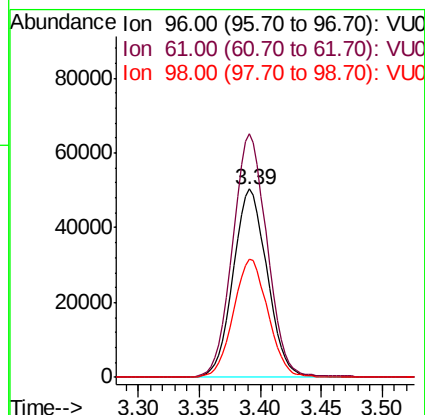
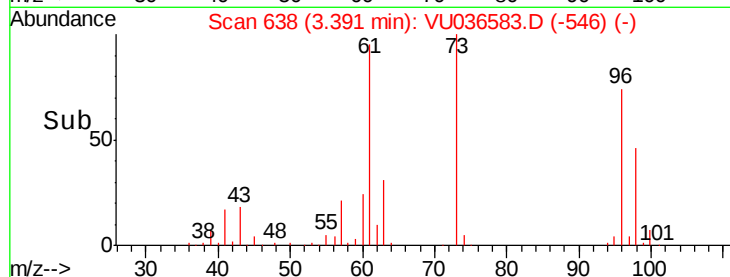
98 62.9 46.1 85.5



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: 48.356 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.01 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

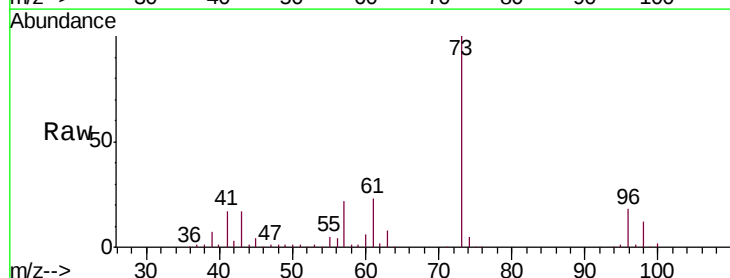
Tgt Ion: 73 Resp: 304778

Ion Ratio Lower Upper

73 100

43 17.4 14.2 21.4

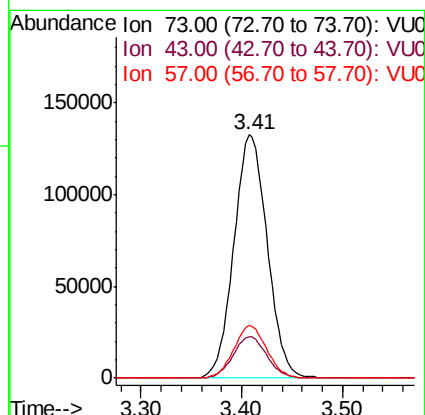
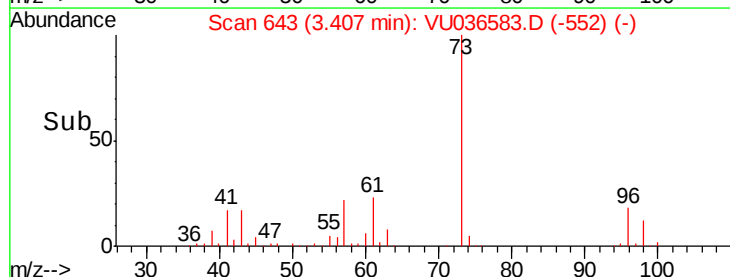
57 21.3 17.3 25.9

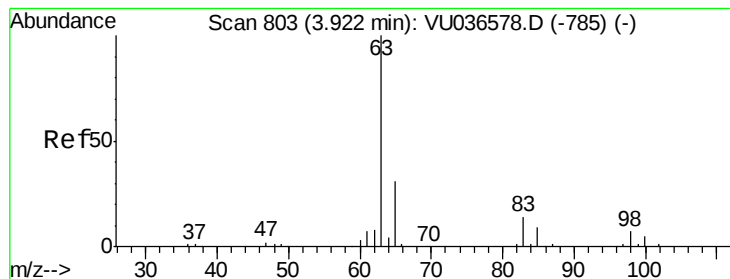


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 48.707 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.01 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BFB44

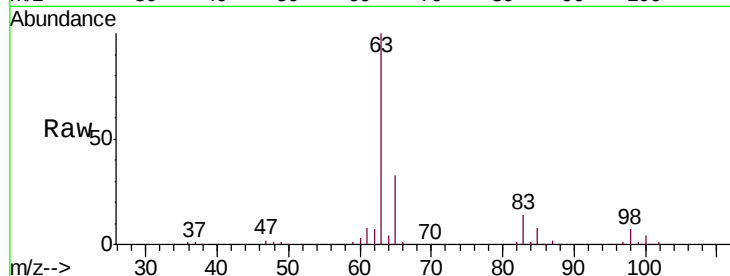
Tgt Ion: 63 Resp: 170908

Ion Ratio Lower Upper

63 100

65 32.6 21.9 40.7

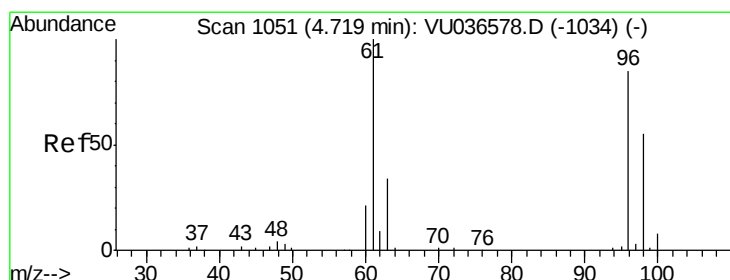
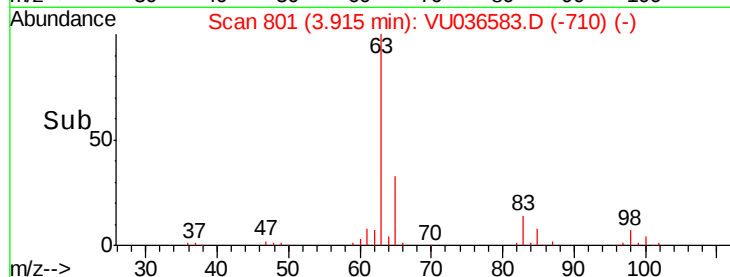
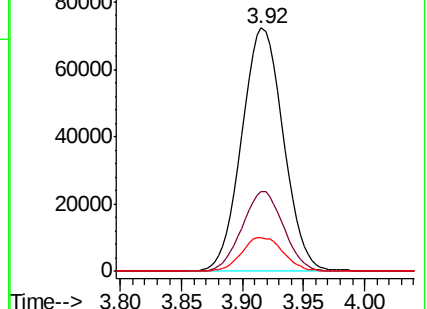
83 13.8 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VU036578.D (-785) (-)

Ion 65.00 (64.70 to 65.70): VU036578.D (-785) (-)

Ion 83.00 (82.70 to 83.70): VU036578.D (-785) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.002 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

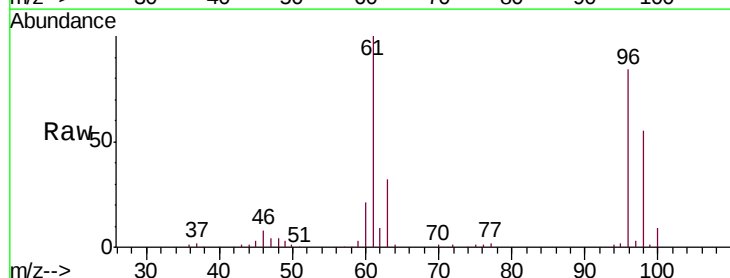
Tgt Ion: 96 Resp: 109623

Ion Ratio Lower Upper

96 100

61 119.3 82.2 152.6

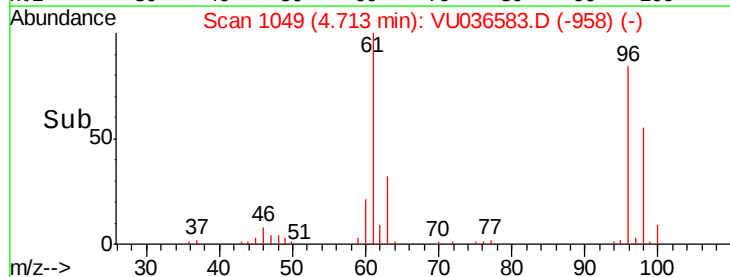
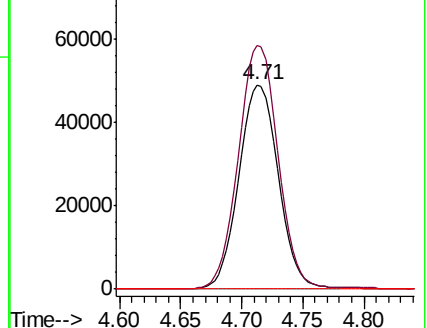
68 0.0 0.0 0.0

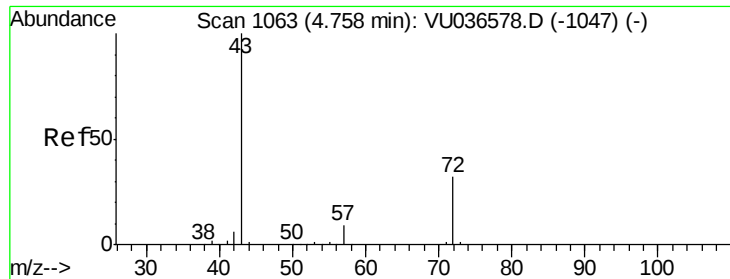


Abundance Ion 96.00 (95.70 to 96.70): VU036578.D (-1034) (-)

Ion 61.00 (60.70 to 61.70): VU036578.D (-1034) (-)

Ion 68.00 (67.70 to 68.70): VU036578.D (-1034) (-)





#22

2-Butanone

Concen: 95.394 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampled :

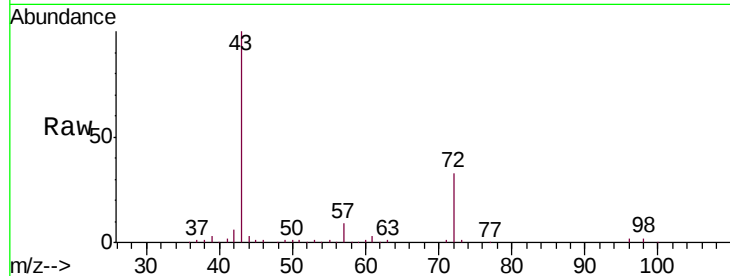
BFB44

Tgt Ion: 43 Resp: 145393

Ion Ratio Lower Upper

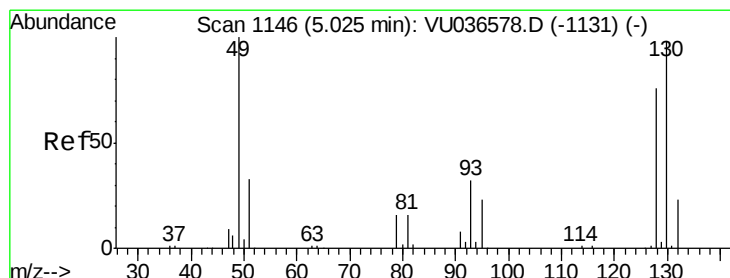
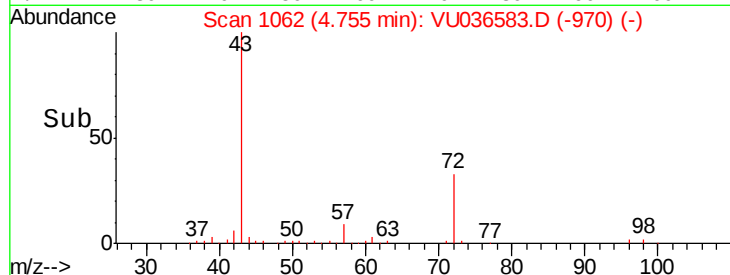
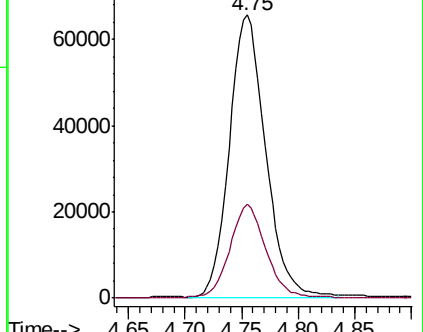
43 100

72 33.5 16.7 50.1



Abundance Ion 43.00 (42.70 to 43.70): VU036583.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036583.D (-970) (-)



#23

Bromochloromethane

Concen: 48.078 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Tgt Ion: 128 Resp: 55877

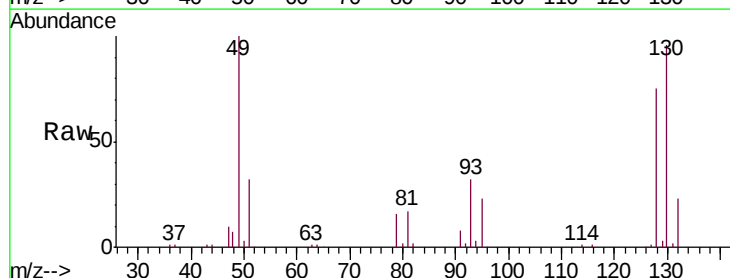
Ion Ratio Lower Upper

128 100

49 134.1 92.5 171.9

130 128.8 90.4 168.0

51 43.4 34.6 52.0

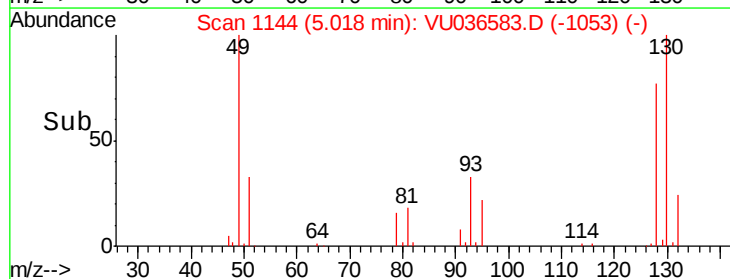
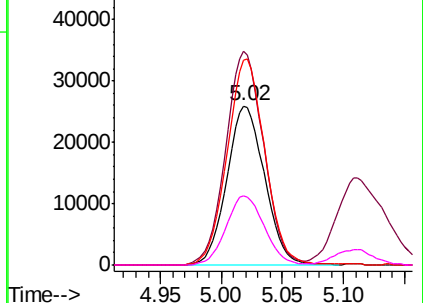


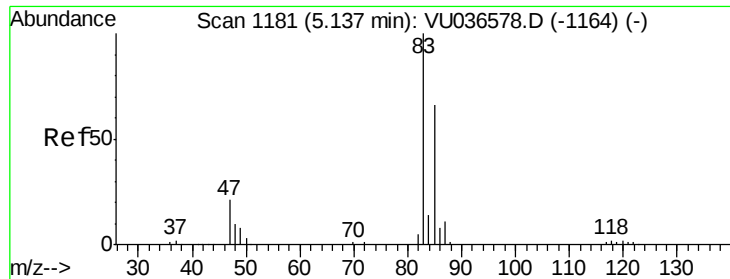
Abundance Ion 128.00 (127.70 to 128.70): VU036583.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU036583.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU036583.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU036583.D (-1053) (-)

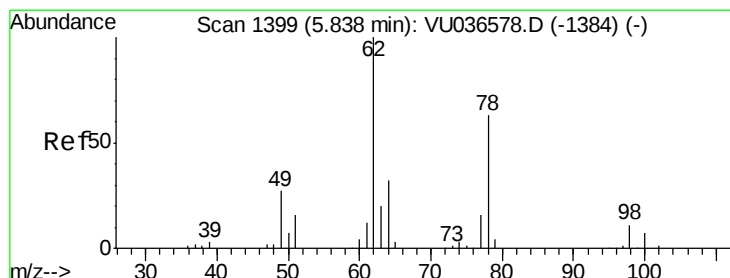
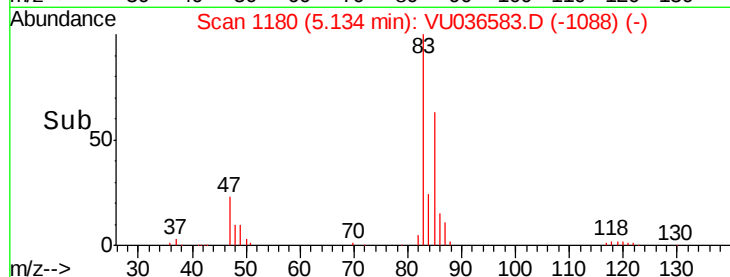
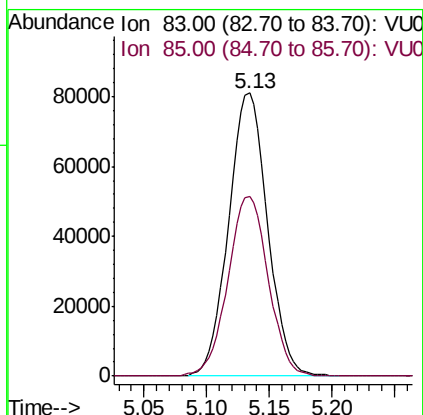
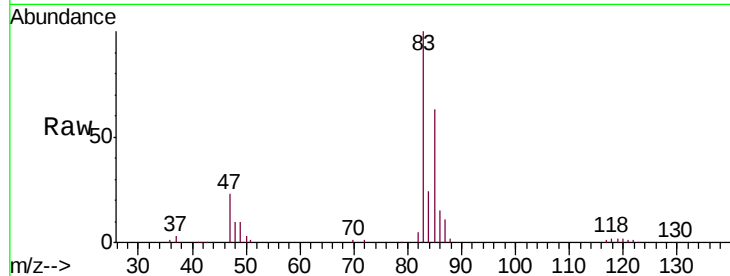




#25
Chloroform
Concen: 48.634 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

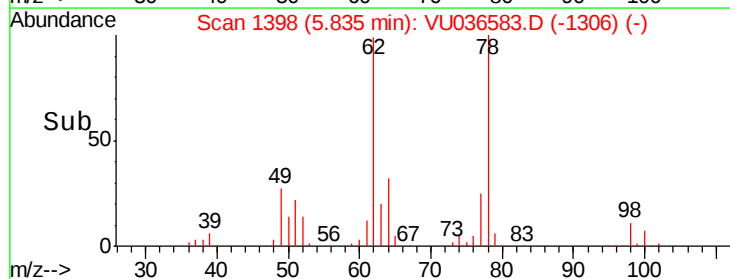
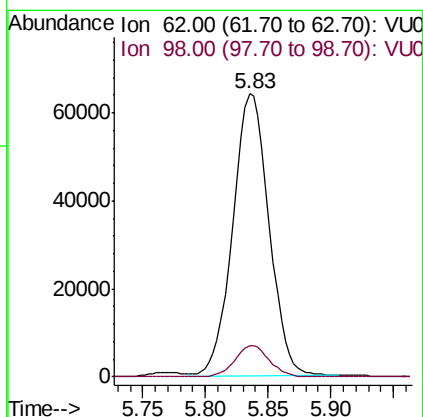
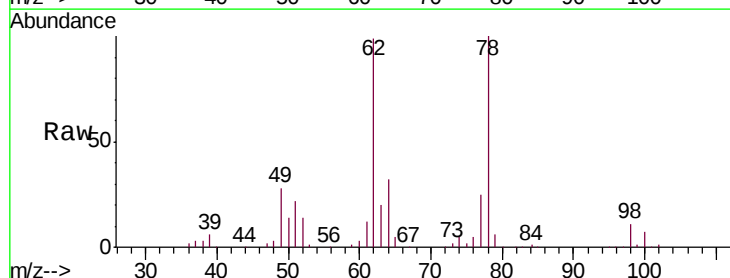
Instrument :
MSVOA_U
ClientSampleId :
BFB44

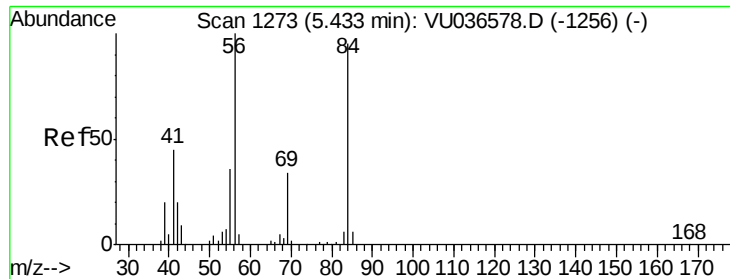
Tgt Ion: 83 Resp: 175010
Ion Ratio Lower Upper
83 100
85 63.5 46.3 85.9



#27
1,2-Dichloroethane
Concen: 47.983 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

Tgt Ion: 62 Resp: 129212
Ion Ratio Lower Upper
62 100
98 10.9 8.4 12.6

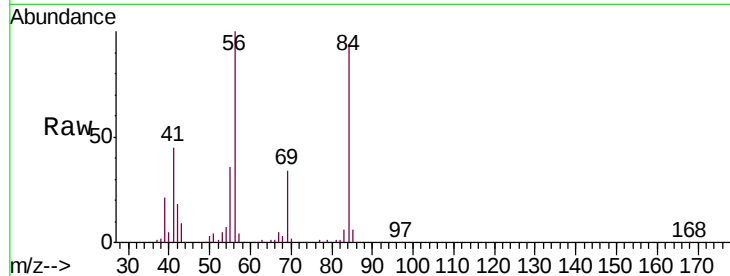




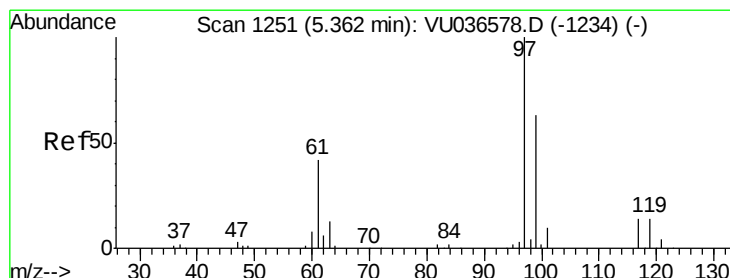
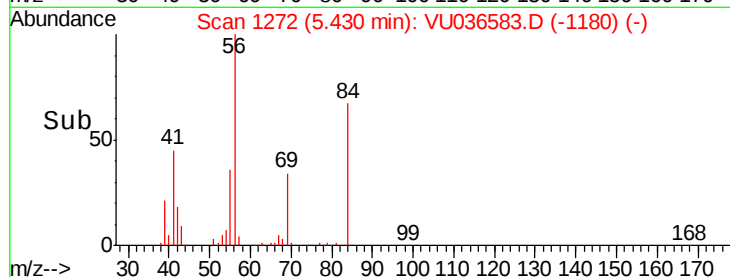
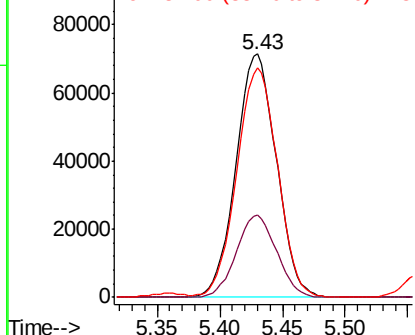
#29
Cyclohexane
Concen: 50.923 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
BFB44

Tgt Ion: 56 Resp: 159523
Ion Ratio Lower Upper
56 100
69 33.7 26.4 39.6
84 94.8 76.6 114.8

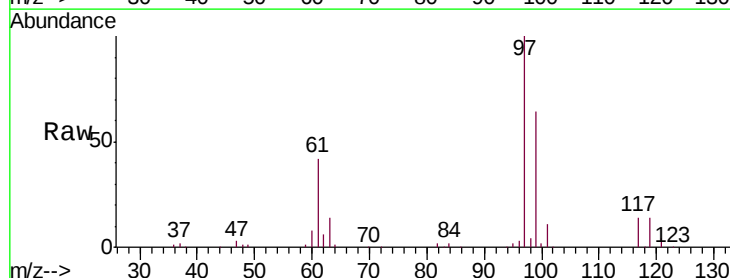


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

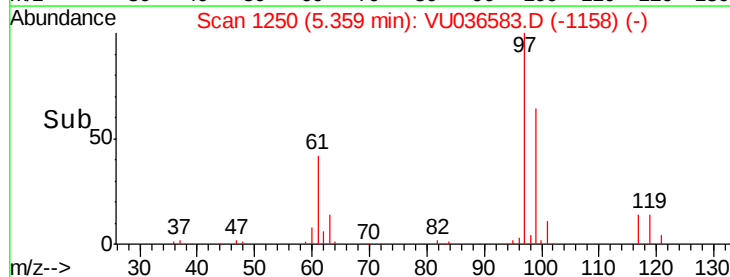
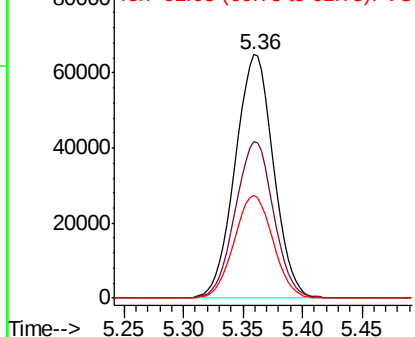


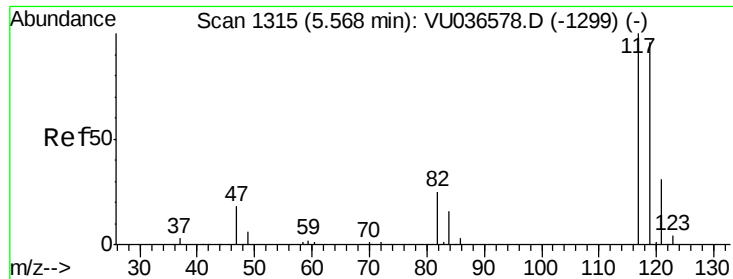
#30
1,1,1-Trichloroethane
Concen: 50.470 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

Tgt Ion: 97 Resp: 145055
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 42.6 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.802 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

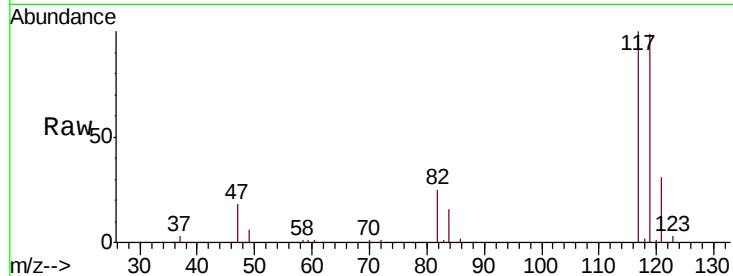
BFB44

Tgt Ion:117 Resp: 125436

Ion Ratio Lower Upper

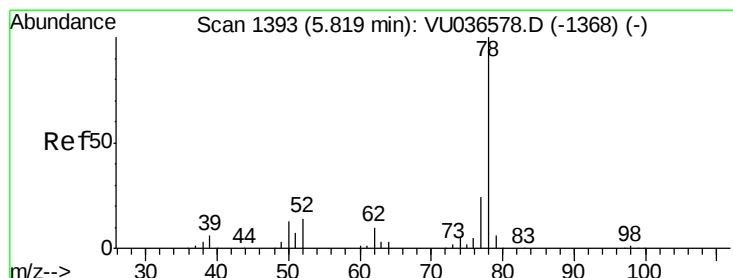
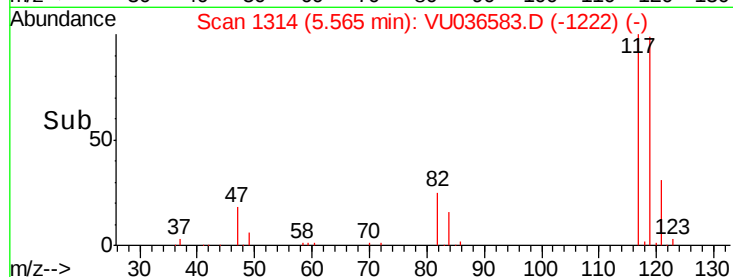
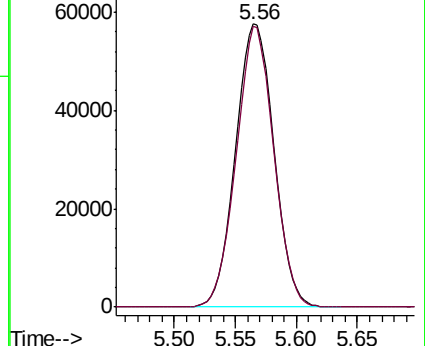
117 100

119 96.7 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.966 ug/L

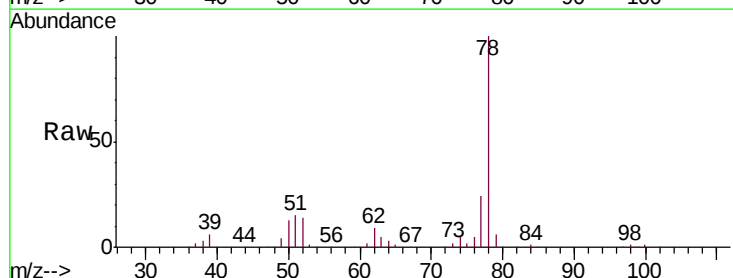
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

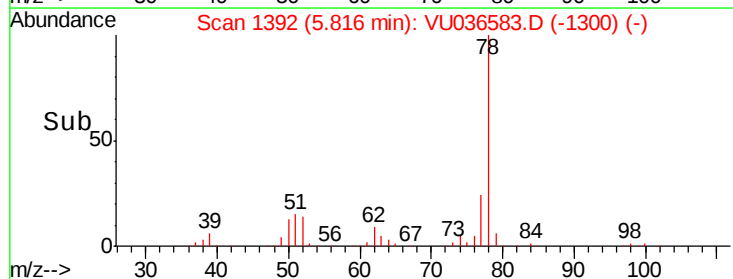
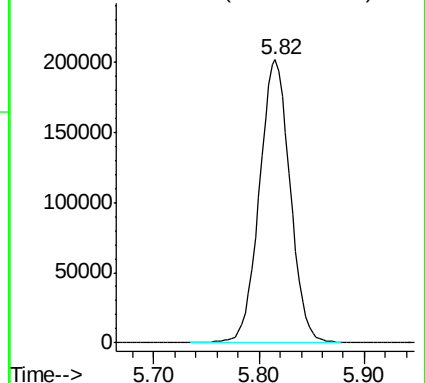
Lab File: VU036583.D

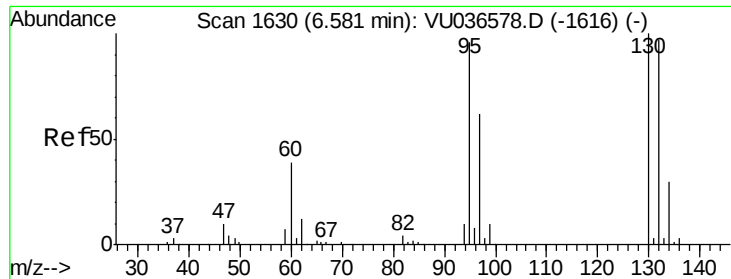
Acq: 29 Jan 2020 10:32

Tgt Ion: 78 Resp: 408969



Abundance Ion 78.00 (77.70 to 78.70): VU0

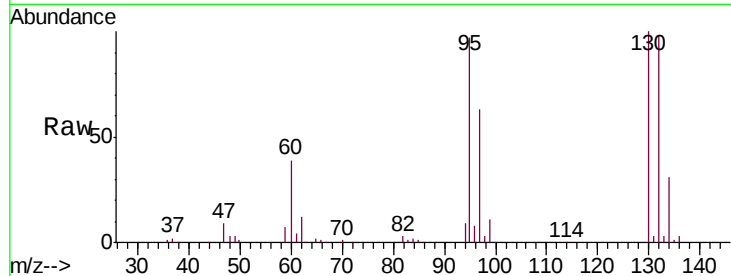




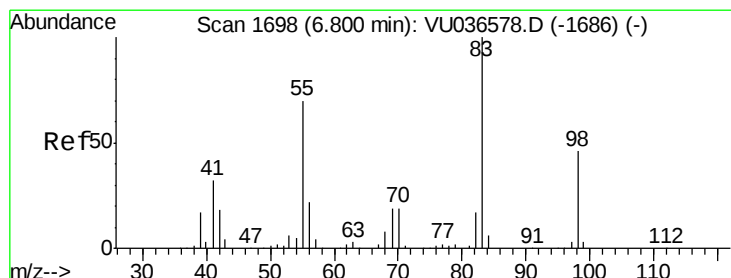
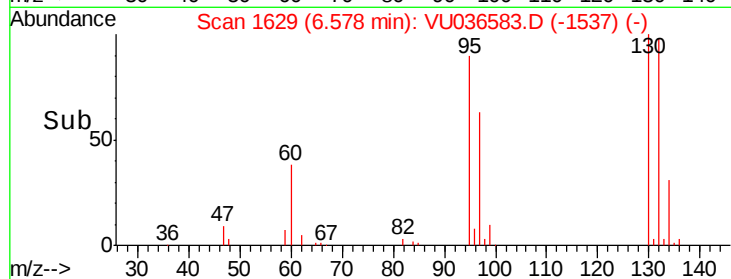
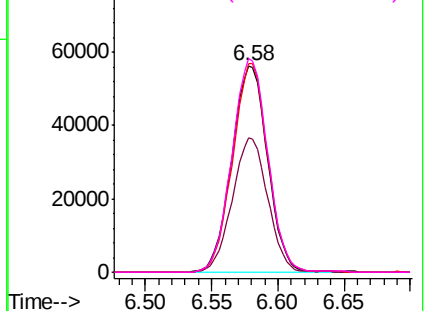
#34
 Trichloroethene
 Concen: 50.219 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

Tgt Ion: 95 Resp: 105799
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.5 84.5
 132 101.1 70.9 131.7
 130 103.6 72.9 135.3

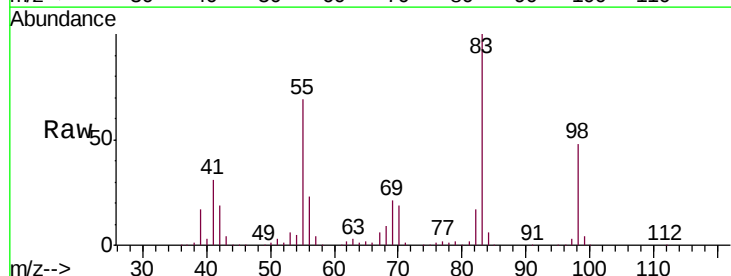


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

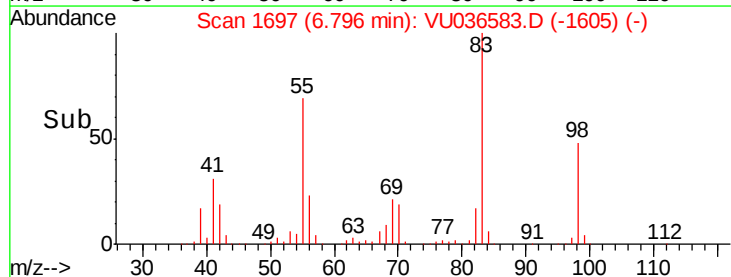
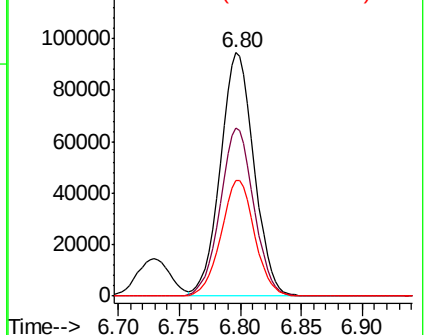


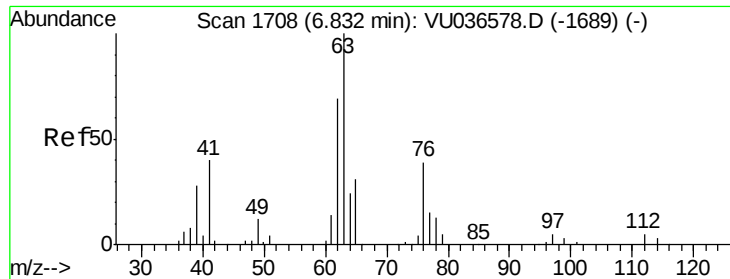
#35
 Methylcyclohexane
 Concen: 51.874 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 83 Resp: 182276
 Ion Ratio Lower Upper
 83 100
 55 69.2 56.1 84.1
 98 47.6 37.5 56.3



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

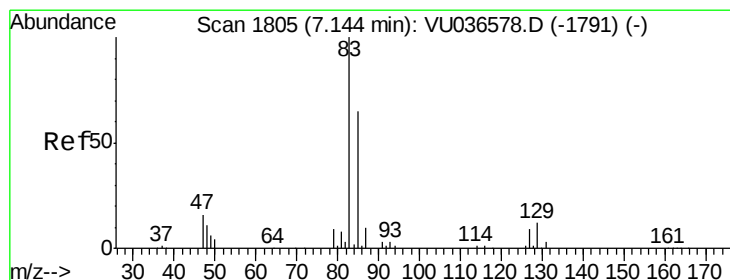
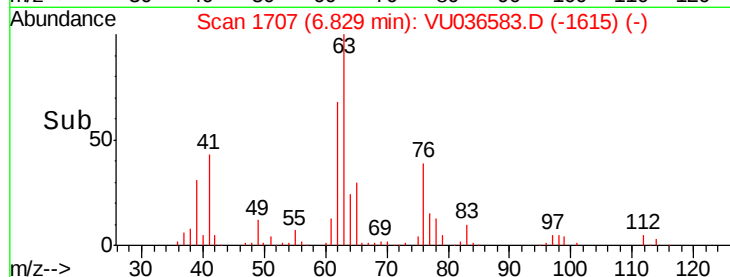
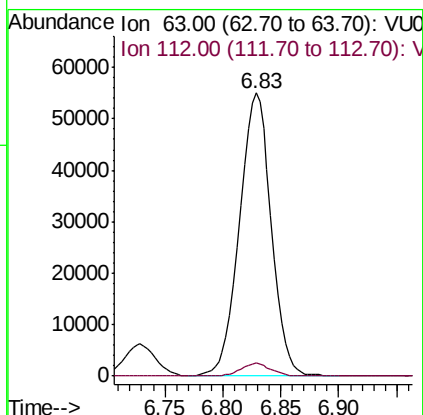
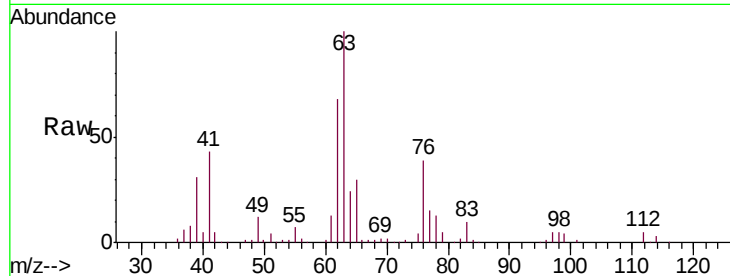




#37
 1,2-Dichloropropane
 Concen: 50.130 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

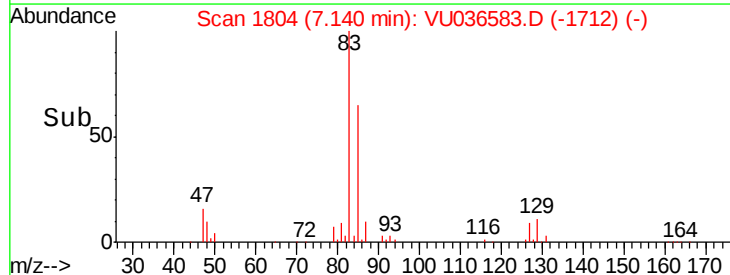
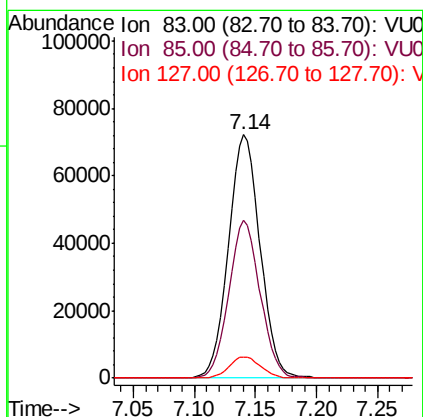
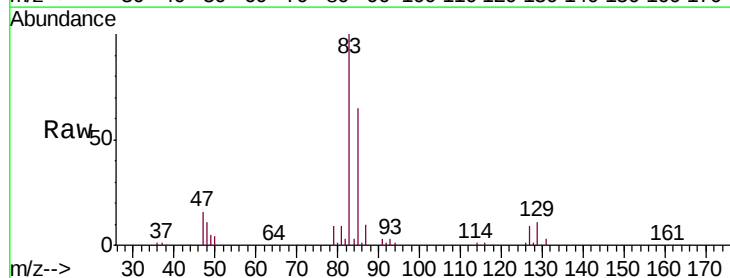
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

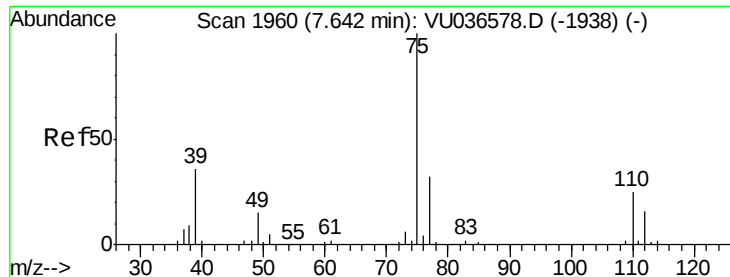
Tgt Ion: 63 Resp: 104284
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.979 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 83 Resp: 130632
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.4 84.4
 127 8.7 7.2 10.8

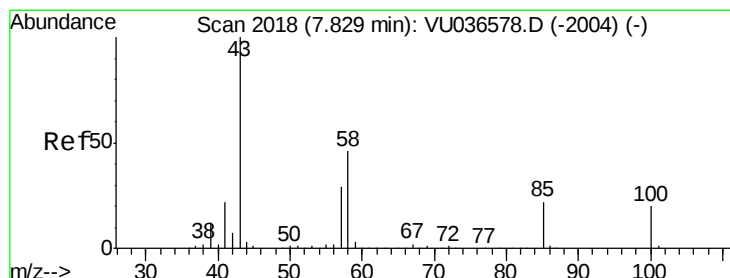
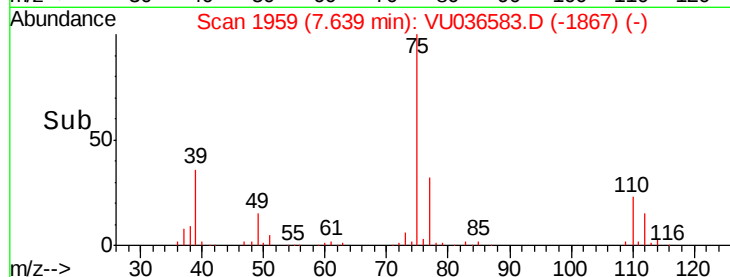
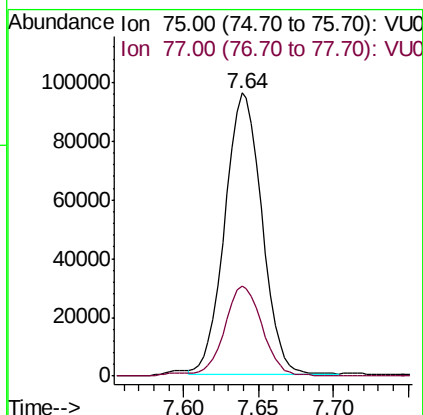
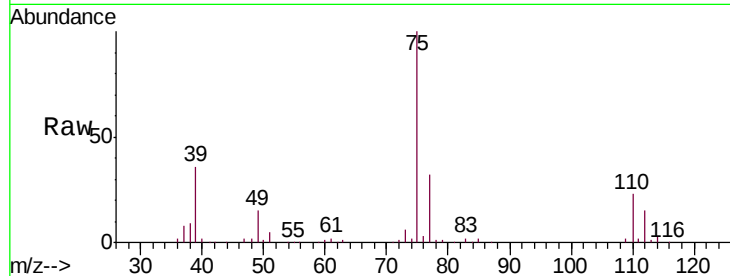




#39
 cis-1,3-Dichloropropene
 Concen: 48.999 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

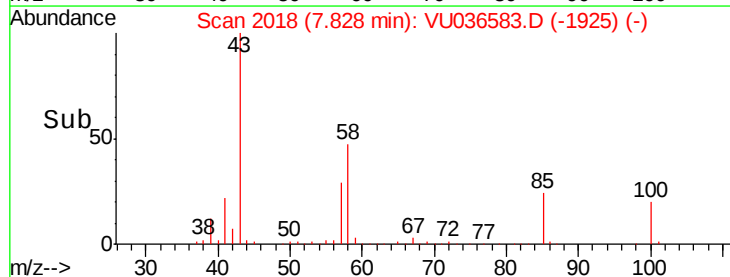
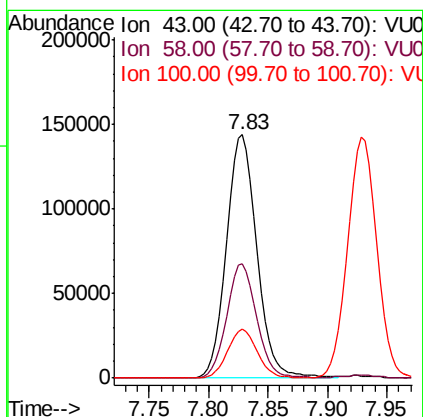
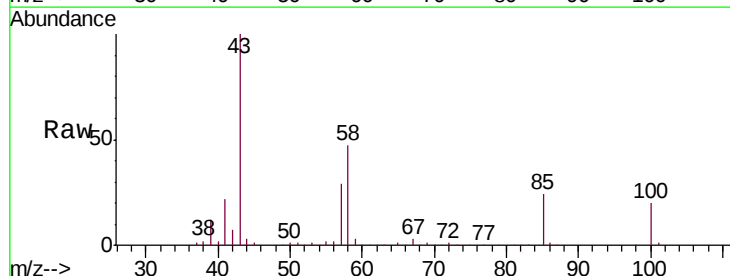
Instrument :
 MSVOA_U
 ClientSampled :
 BFB44

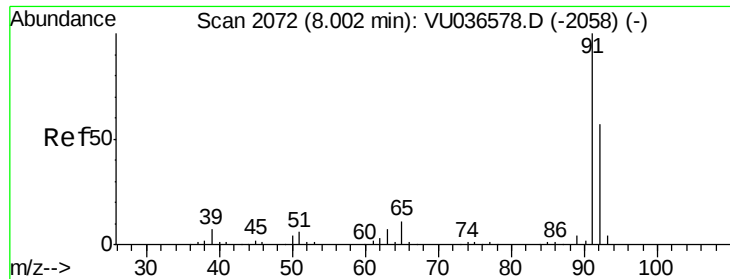
Tgt Ion: 75 Resp: 164224
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 95.997 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 43 Resp: 256368
 Ion Ratio Lower Upper
 43 100
 58 46.0 37.0 55.4
 100 19.6 15.8 23.6





#42

Toluene

Concen: 50.492 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

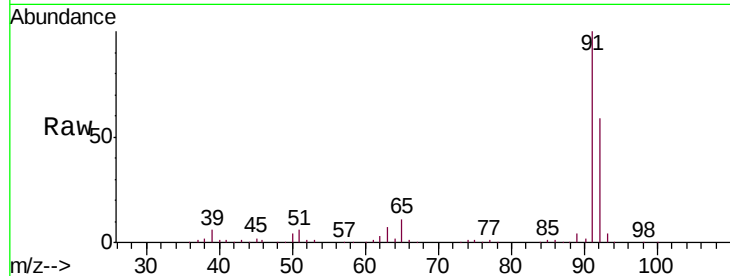
BFB44

Tgt Ion: 91 Resp: 449209

Ion Ratio Lower Upper

91 100

92 58.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036578.D (-2058) (-)

Ion 92.00 (91.70 to 92.70): VU036578.D (-2058) (-)

8.00

250000

200000

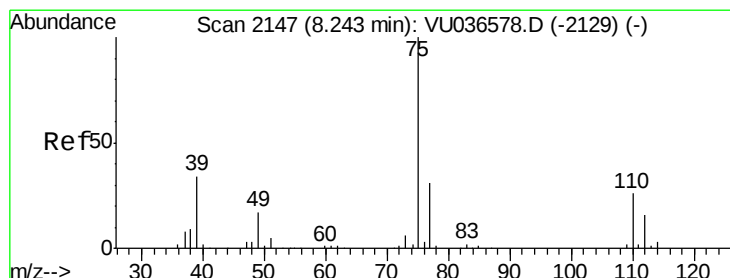
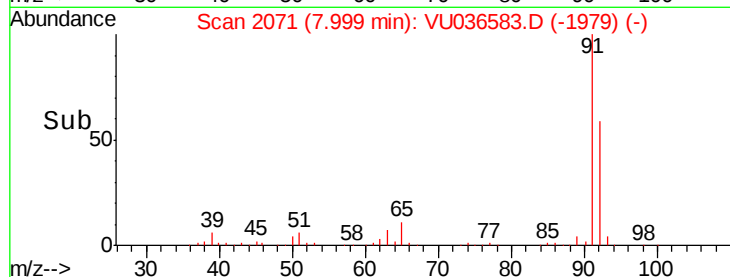
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.041 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036583.D

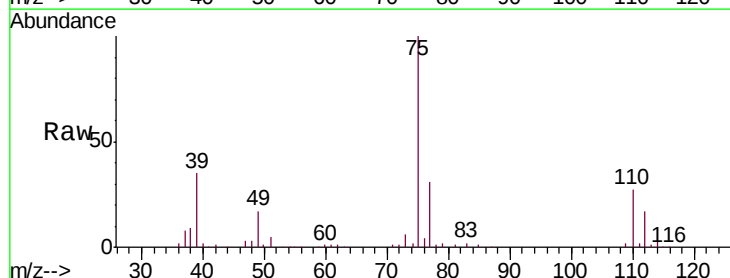
Acq: 29 Jan 2020 10:32

Tgt Ion: 75 Resp: 147177

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU036578.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU036578.D (-2129) (-)

8.24

100000

80000

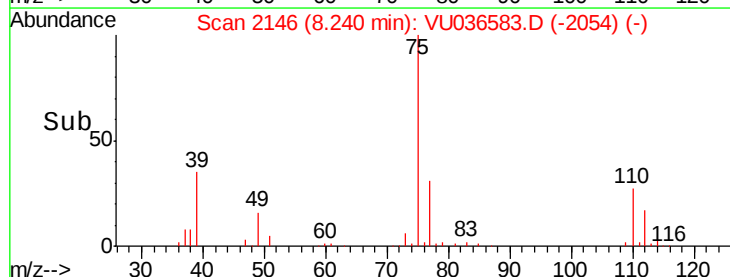
60000

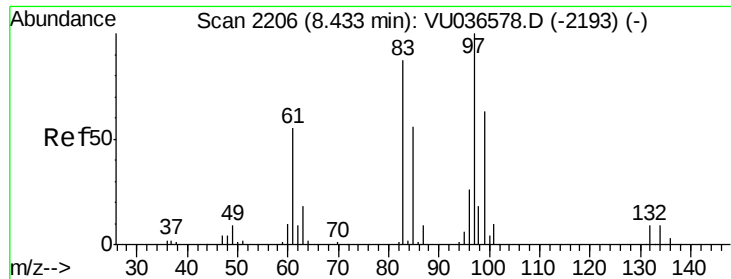
40000

20000

0

Time-->

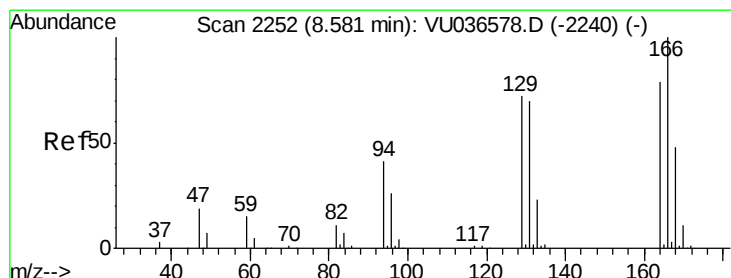
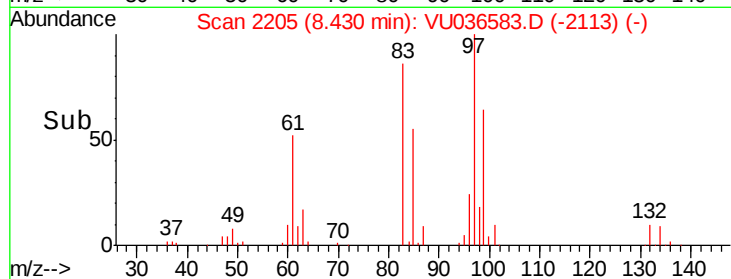
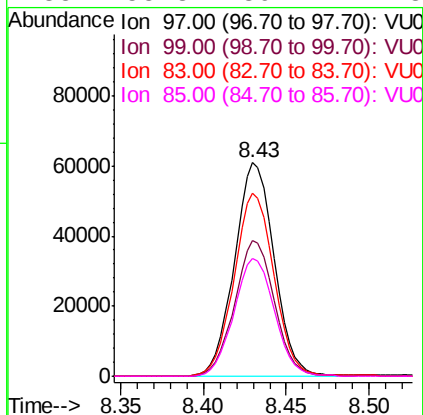
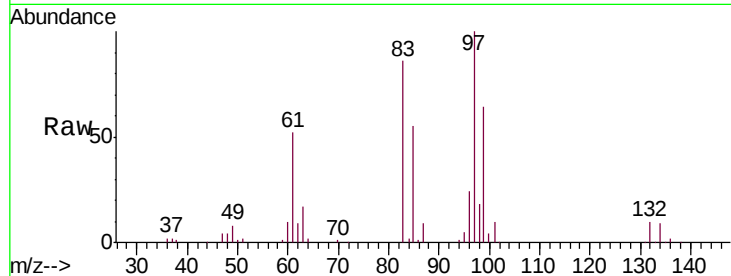




#45
 1,1,2-Trichloroethane
 Concen: 48.797 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

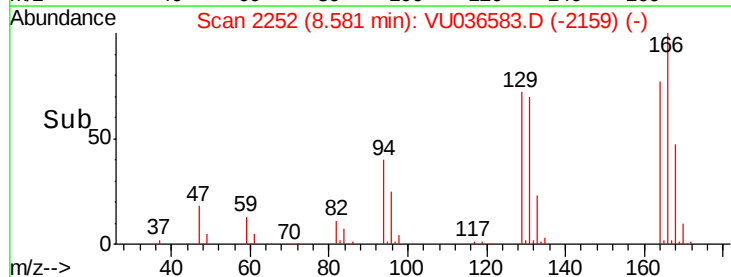
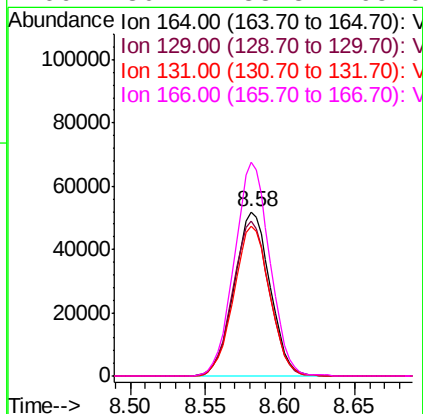
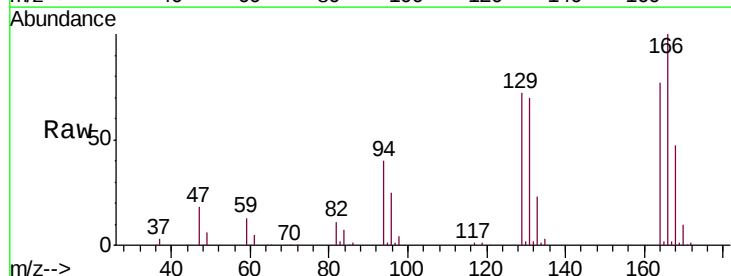
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

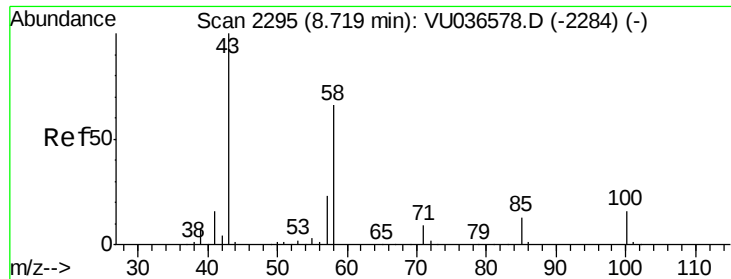
Tgt Ion:	97	Resp:	101821
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.1	81.9
83	85.9	61.2	113.6
85	55.3	39.2	72.8



#46
 Tetrachloroethene
 Concen: 50.667 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion:	164	Resp:	86715
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.2	119.2
131	91.4	61.8	114.8
166	130.2	88.8	165.0

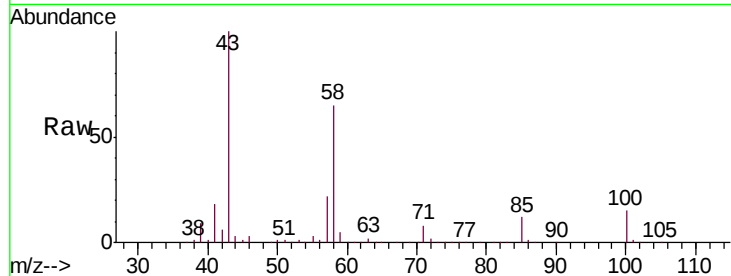




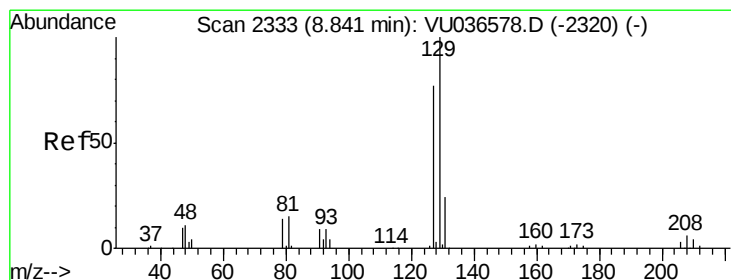
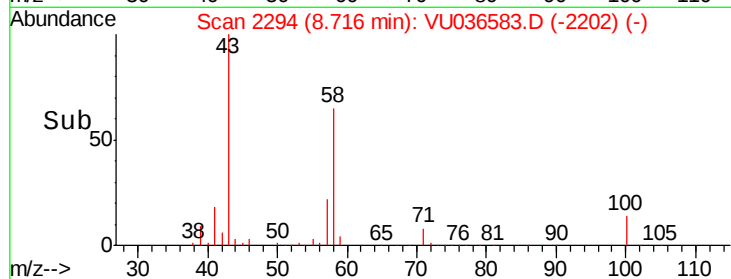
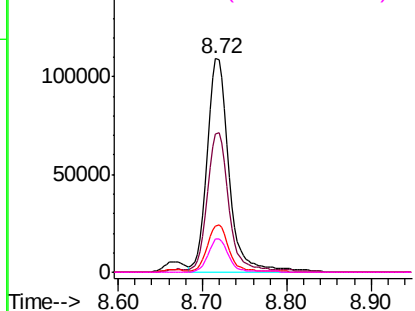
#48
2-Hexanone
Concen: 98.993 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

Instrument :
MSVOA_U
ClientSampleId :
BFB44

Tgt Ion: 43 Resp: 198858
Ion Ratio Lower Upper
43 100
58 65.2 49.4 74.0
57 20.7 17.1 25.7
100 14.5 11.9 17.9

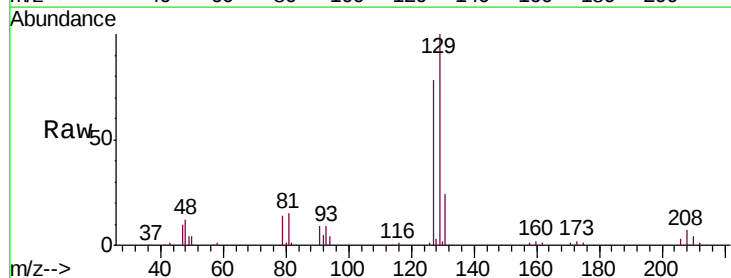


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

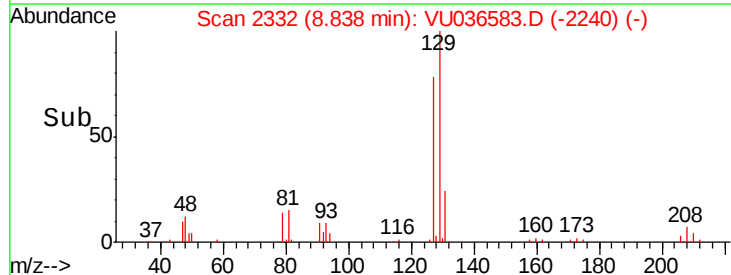
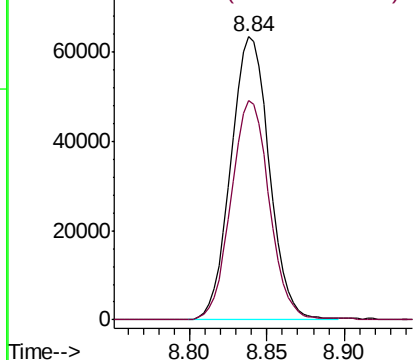


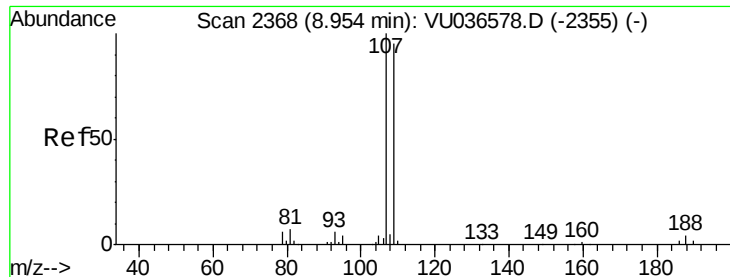
#49
Dibromochloromethane
Concen: 49.646 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036583.D
Acq: 29 Jan 2020 10:32

Tgt Ion: 129 Resp: 109660
Ion Ratio Lower Upper
129 100
127 77.7 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

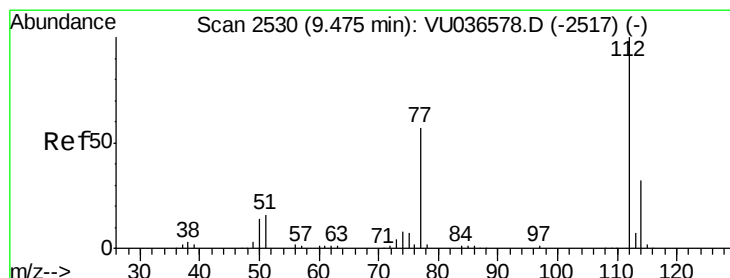
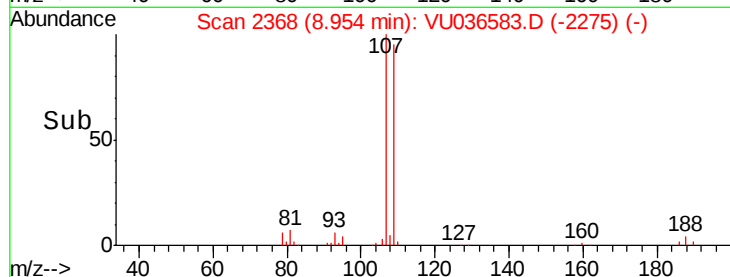
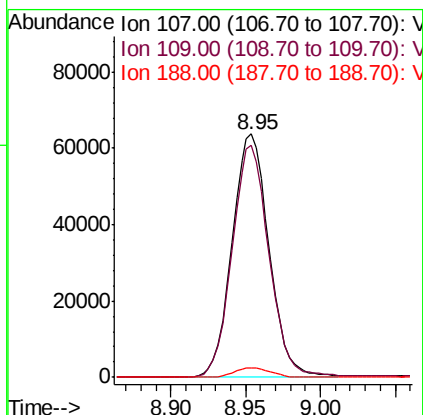
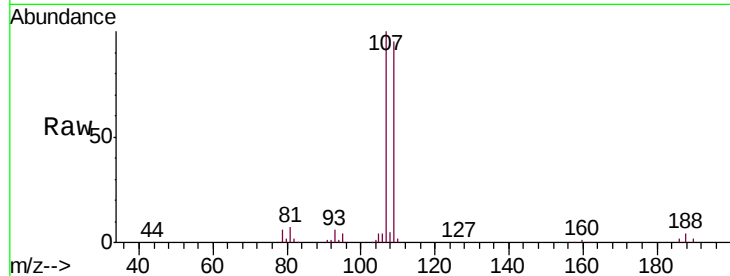




#50
 1,2-Dibromoethane
 Concen: 48.724 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

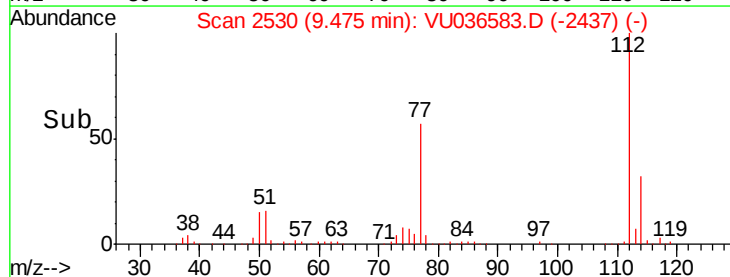
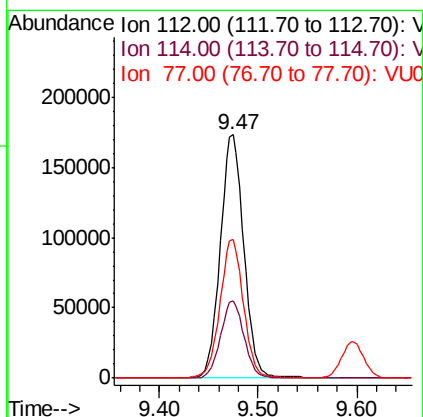
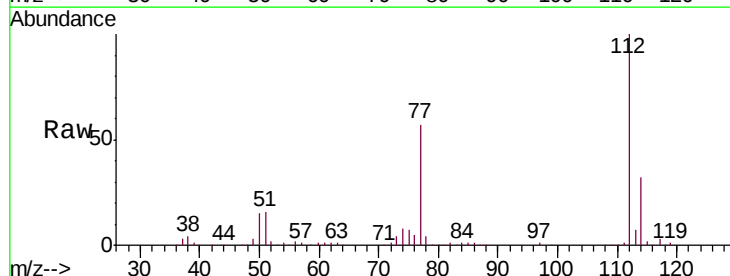
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

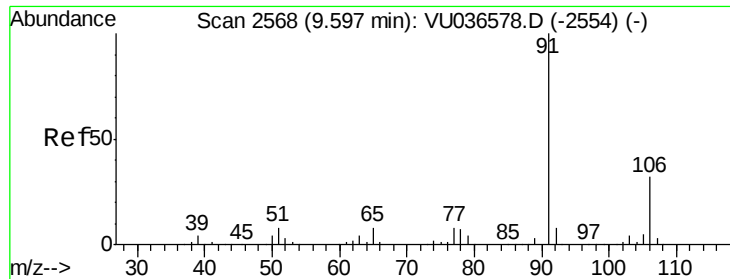
Tgt Ion:107 Resp: 109592
 Ion Ratio Lower Upper
 107 100
 109 95.2 66.3 123.1
 188 3.8 3.1 4.7



#51
 Chlorobenzene
 Concen: 49.882 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion:112 Resp: 289594
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.3 41.5
 77 56.8 45.7 68.5





#52

Ethylbenzene

Concen: 50.162 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

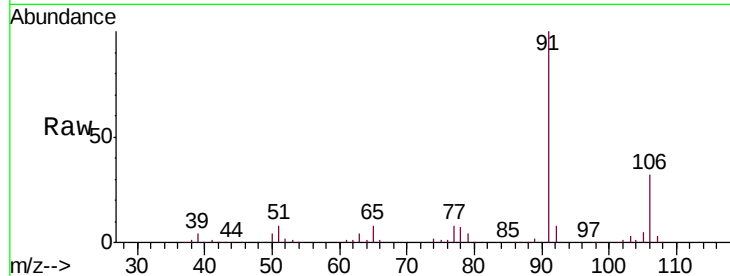
BFB44

Tgt Ion: 91 Resp: 488864

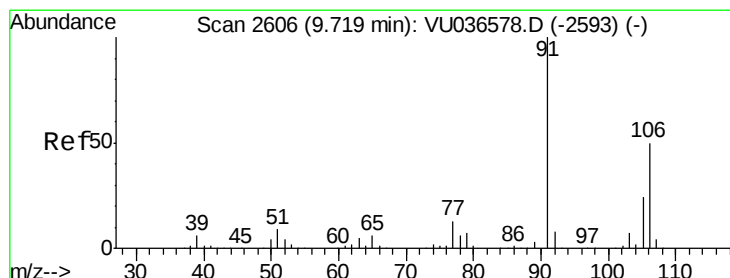
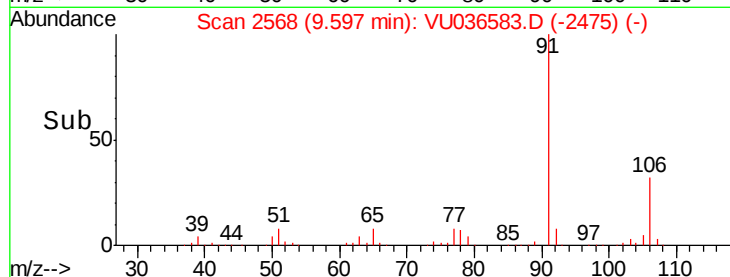
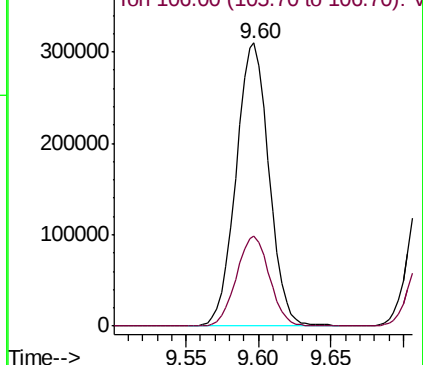
Ion Ratio Lower Upper

91 100

106 31.8 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VU036583.D (-2475) (-)



#53

m,p-Xylene

Concen: 51.054 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036583.D

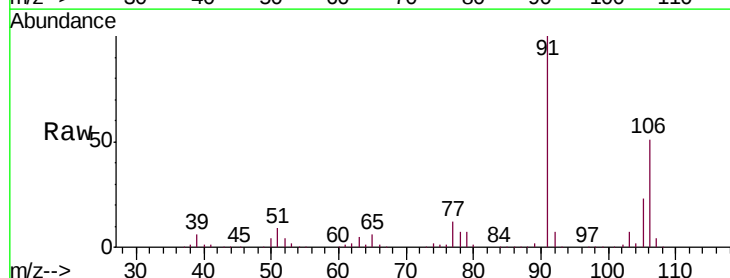
Acq: 29 Jan 2020 10:32

Tgt Ion: 106 Resp: 194063

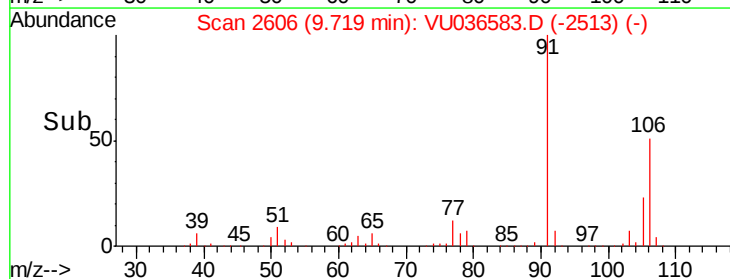
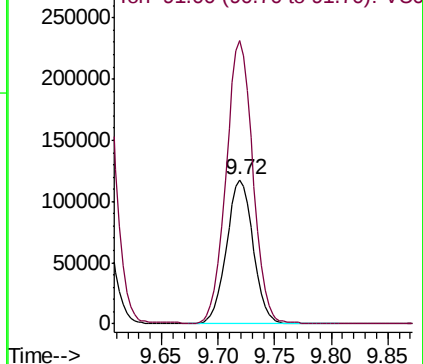
Ion Ratio Lower Upper

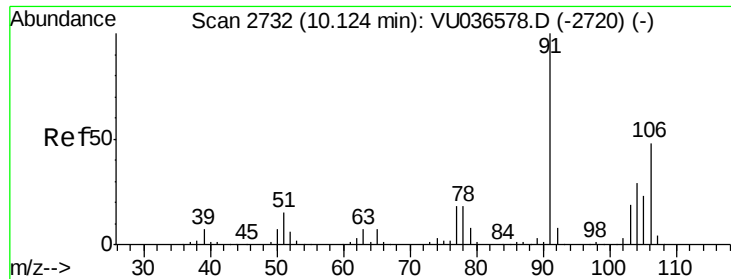
106 100

91 196.4 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VU036583.D (-2513) (-)





#54

o-xylene

Concen: 49.679 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

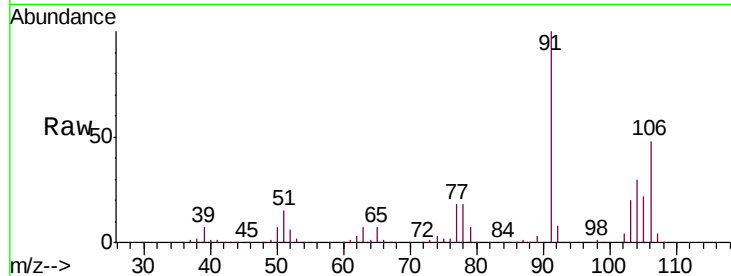
BFB44

Tgt Ion:106 Resp: 188361

Ion Ratio Lower Upper

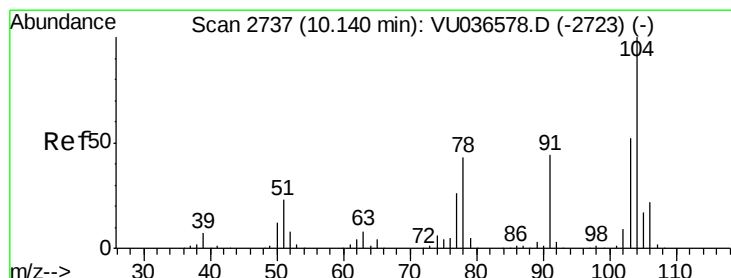
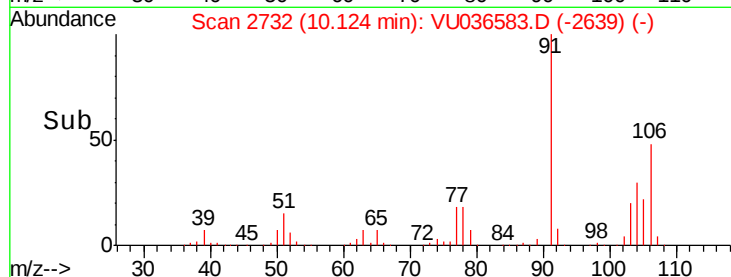
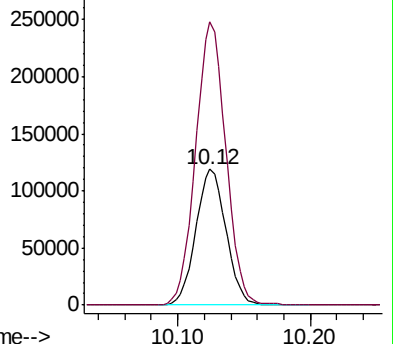
106 100

91 208.4 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.658 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036583.D

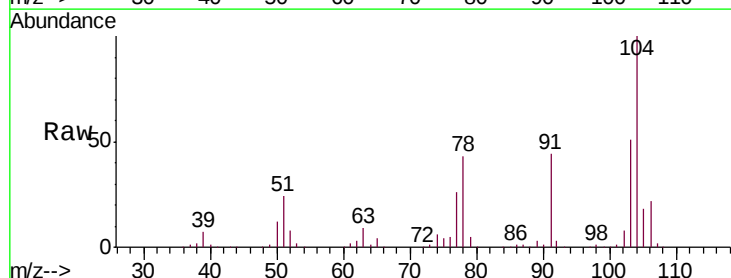
Acq: 29 Jan 2020 10:32

Tgt Ion:104 Resp: 311701

Ion Ratio Lower Upper

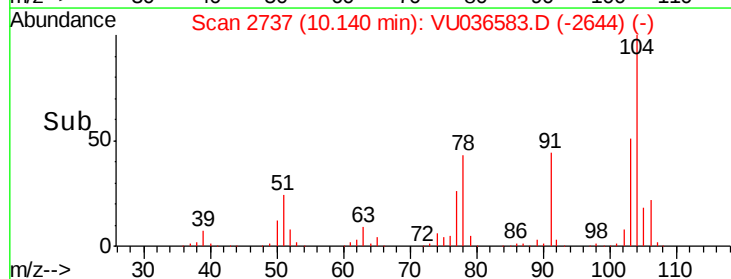
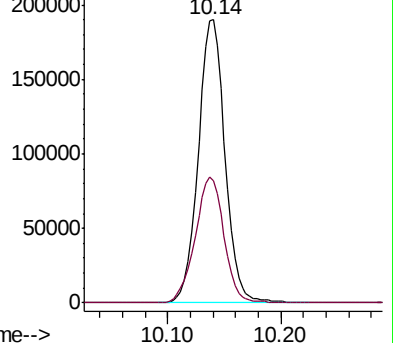
104 100

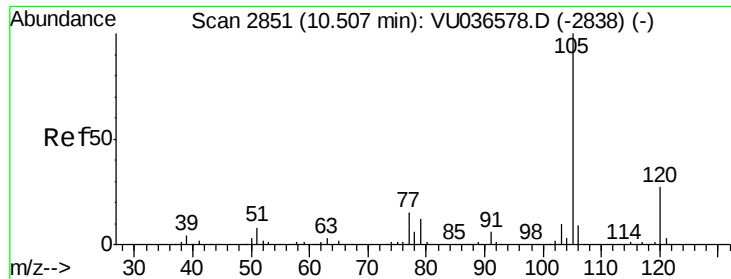
78 43.2 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.554 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BFB44

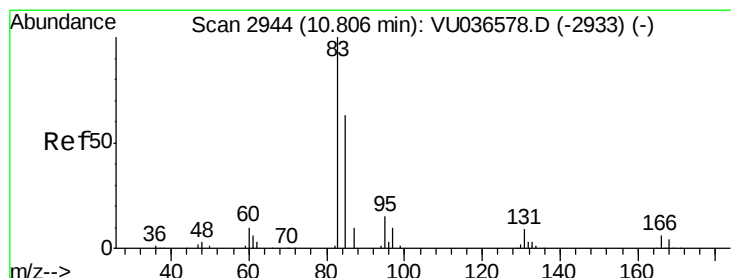
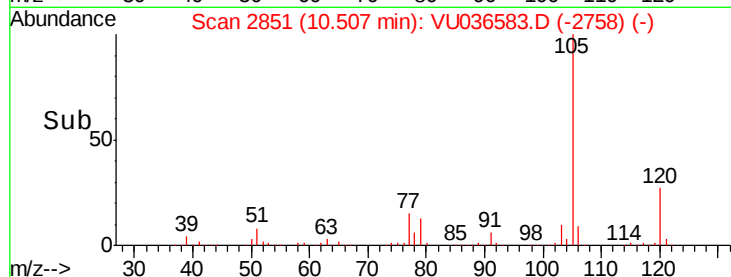
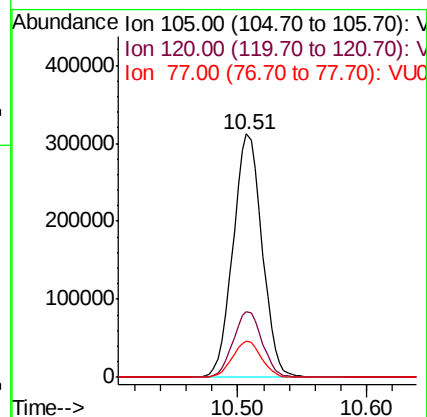
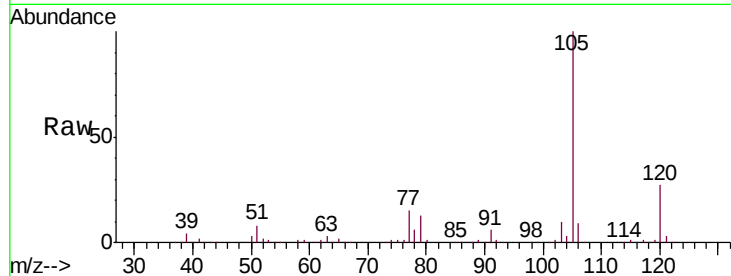
Tgt Ion: 105 Resp: 487343

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

77 14.8 11.8 17.8



#58

1,1,2,2-Tetrachloroethane

Concen: 48.533 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

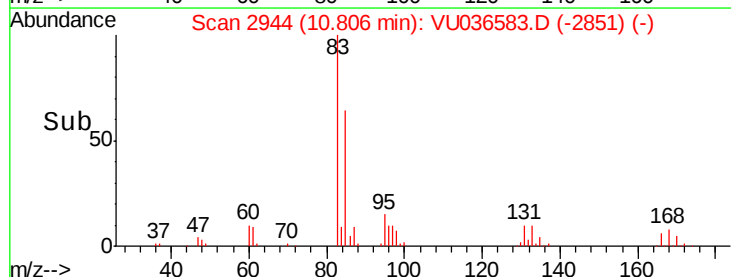
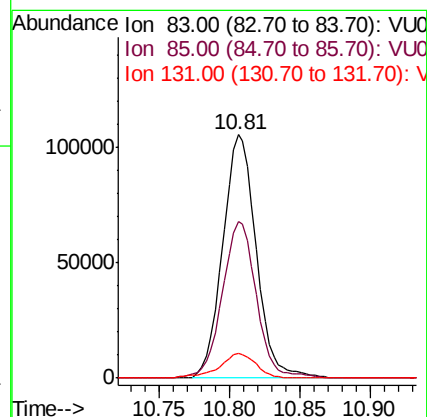
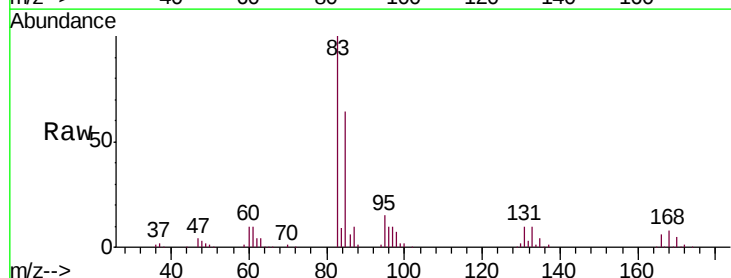
Tgt Ion: 83 Resp: 174593

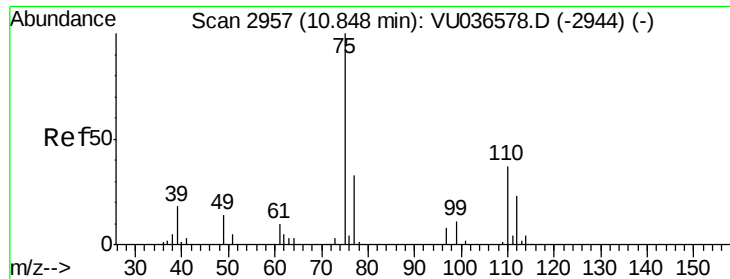
Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7

131 9.9 7.8 11.8

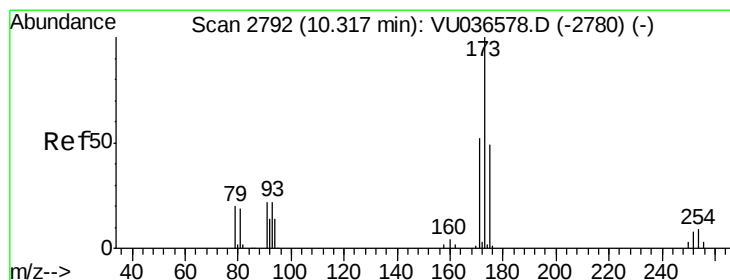
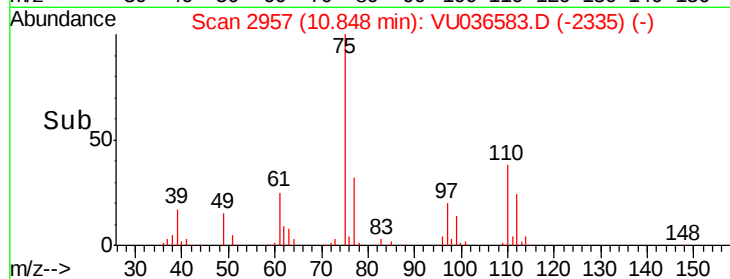
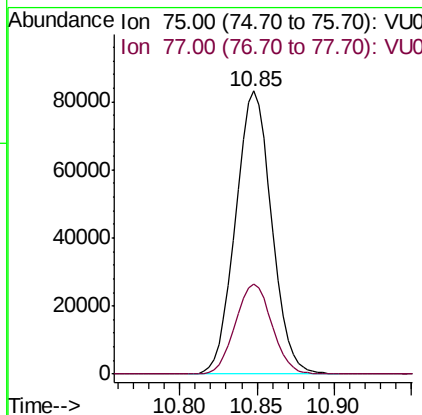
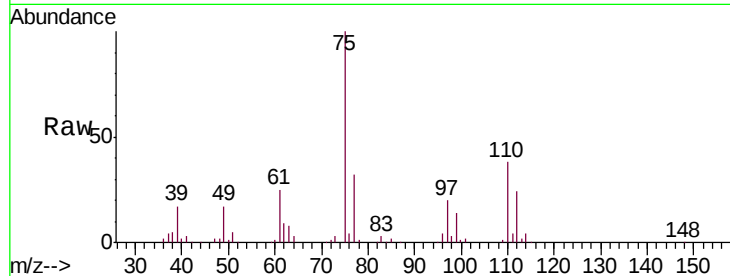




#59
 1,2,3-Trichloropropane
 Concen: 47.999 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

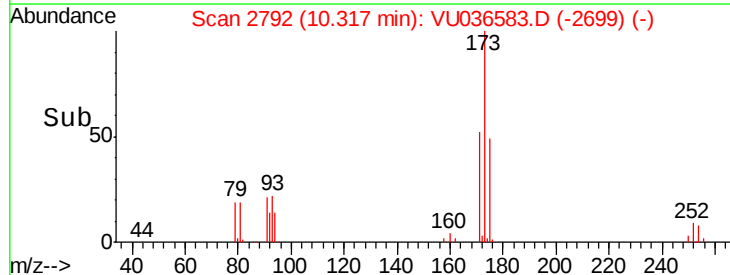
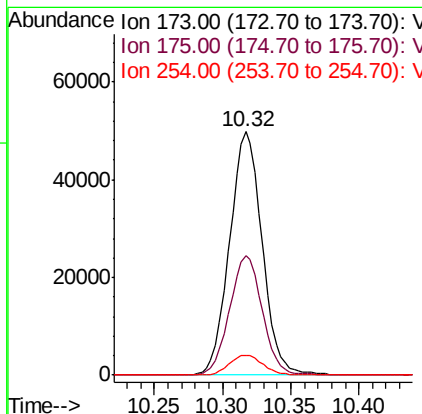
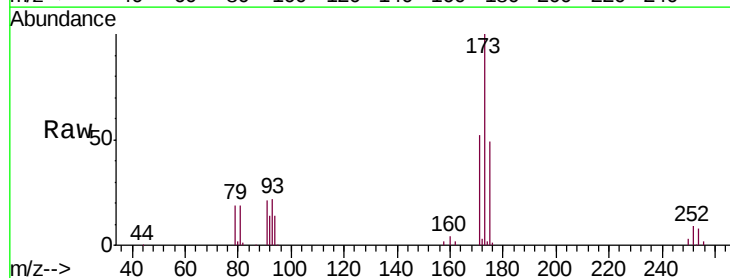
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

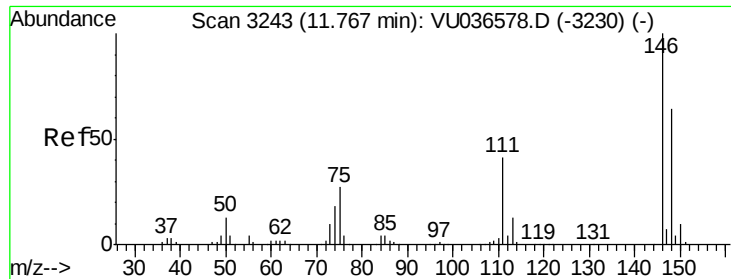
Tgt Ion: 75 Resp: 134980
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2



#61
 Bromoform
 Concen: 46.659 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 173 Resp: 82798
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.3 58.9
 254 8.4 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 48.541 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampleId :

BFB44

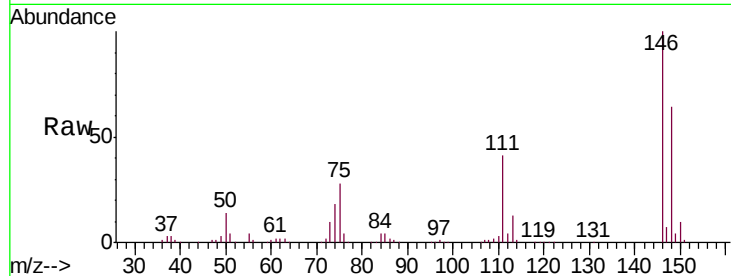
Tgt Ion:146 Resp: 219777

Ion Ratio Lower Upper

146 100

111 40.7 28.6 53.0

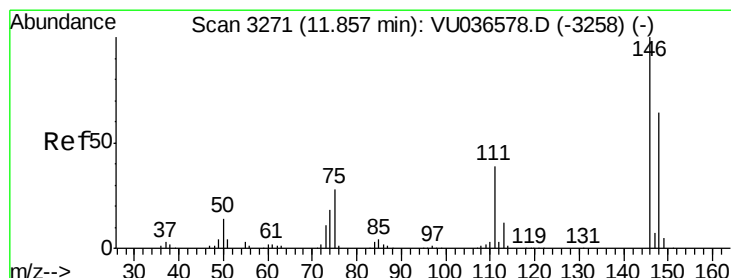
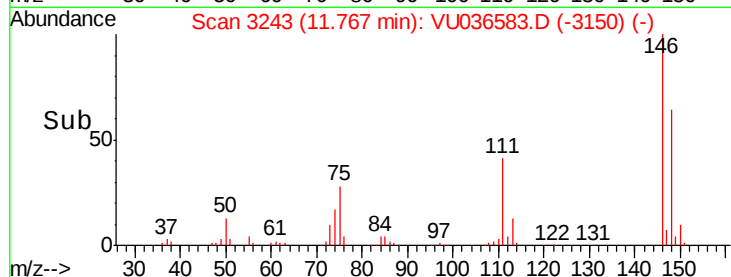
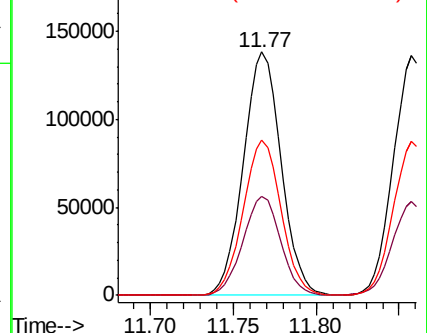
148 63.6 44.7 82.9



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: 48.466 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

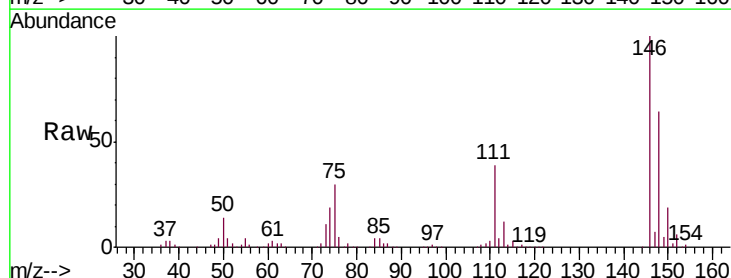
Tgt Ion:146 Resp: 216037

Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.4

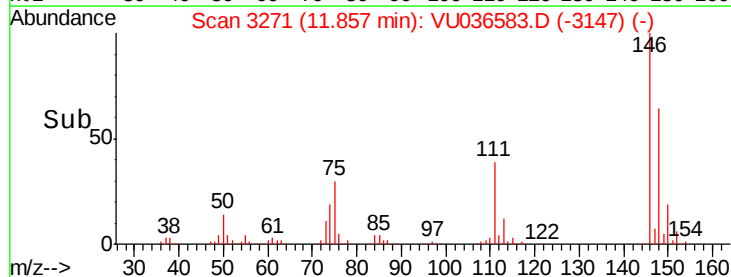
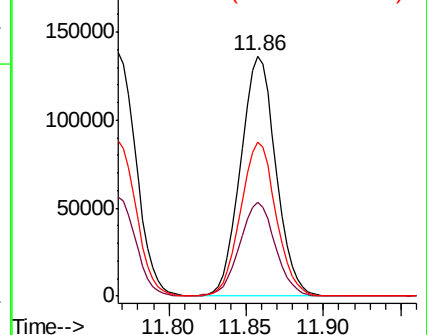
148 64.1 44.8 83.2

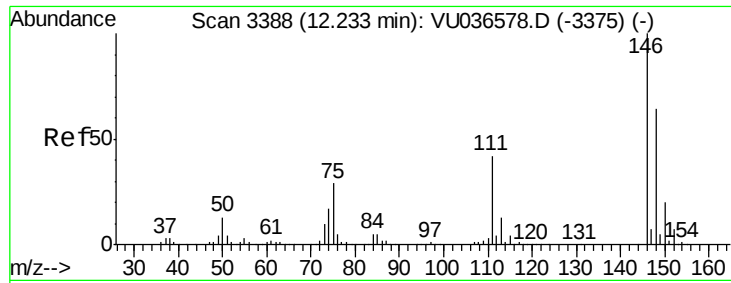


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

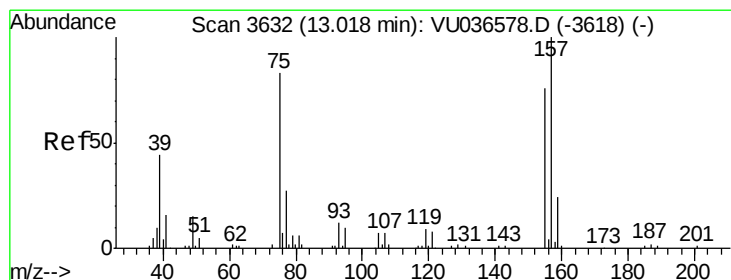
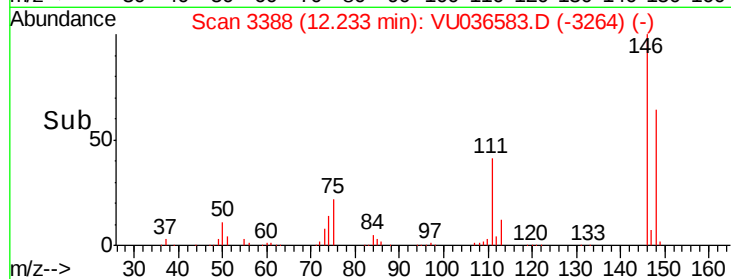
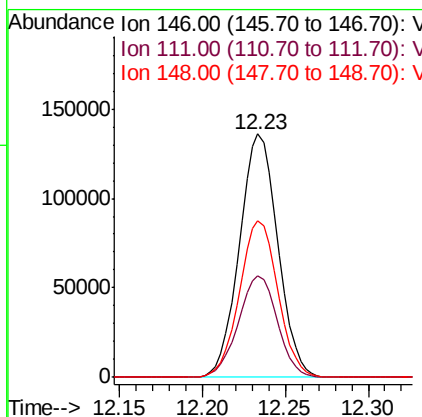
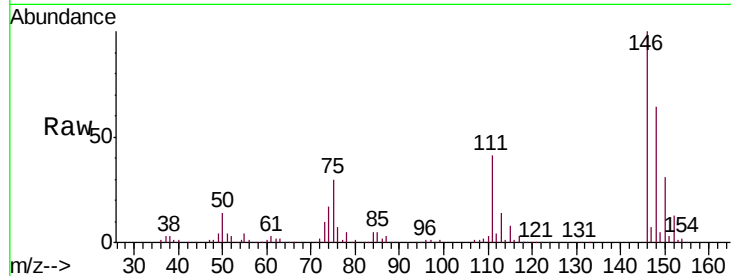




#65
 1,2-Dichlorobenzene
 Concen: 47.628 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

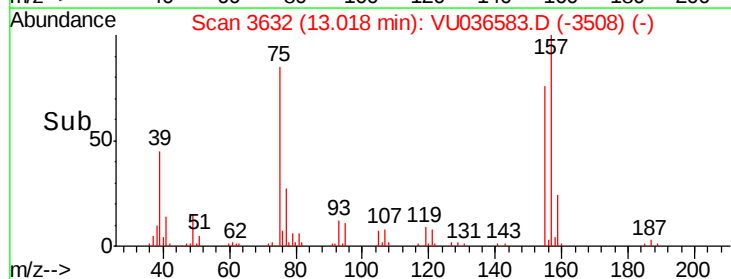
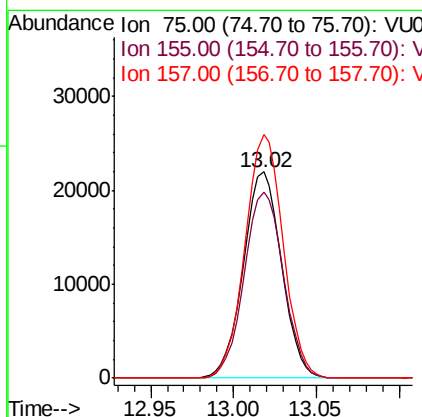
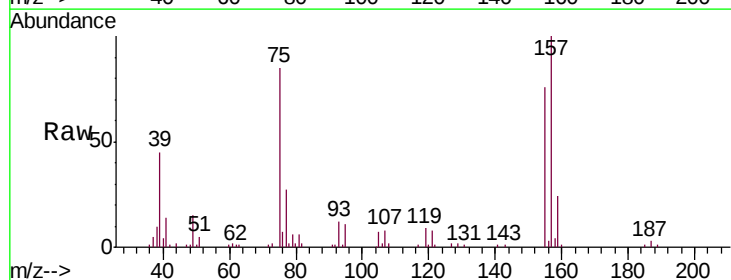
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

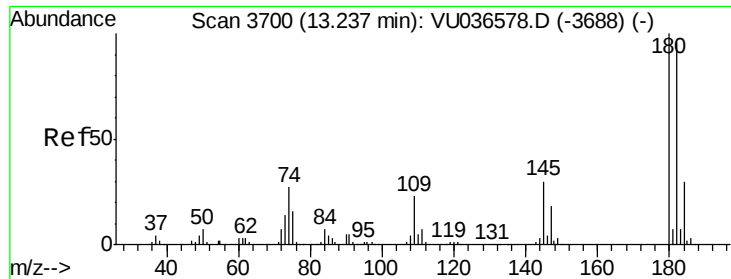
Tgt Ion: 146 Resp: 218565
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.4 50.2
 148 64.5 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.999 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 75 Resp: 35169
 Ion Ratio Lower Upper
 75 100
 155 89.9 73.4 110.2
 157 118.0 96.8 145.2

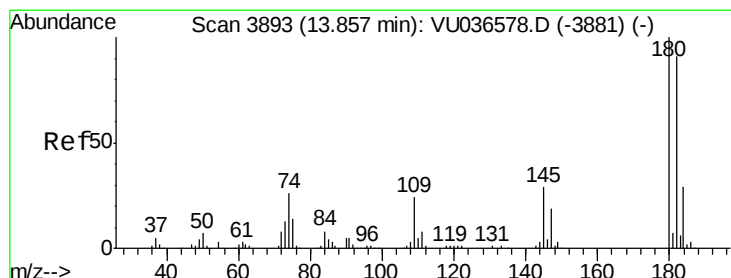
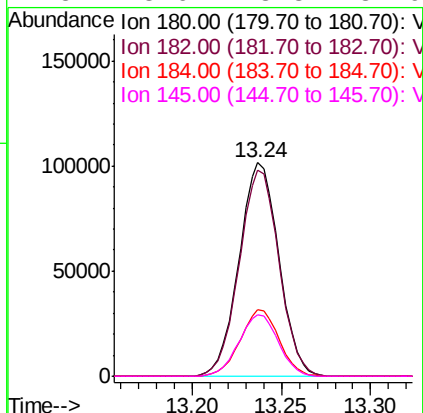
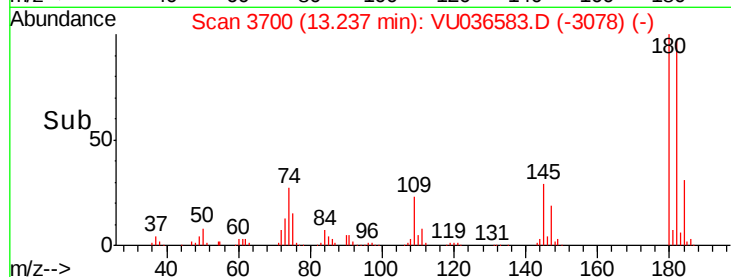
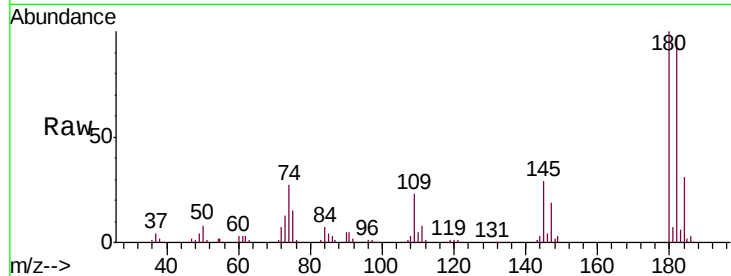




#67
 1,3,5-Trichlorobenzene
 Concen: 50.701 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

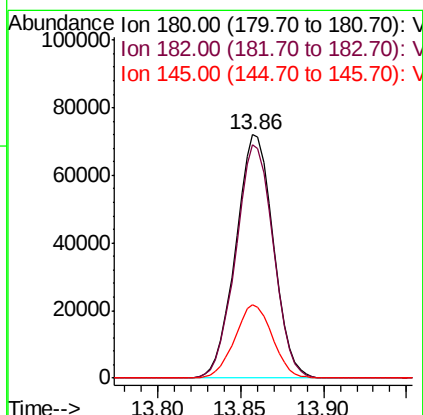
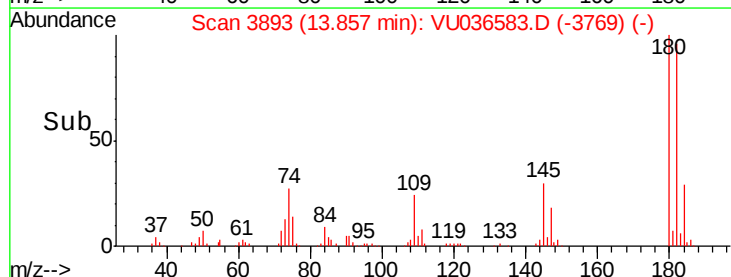
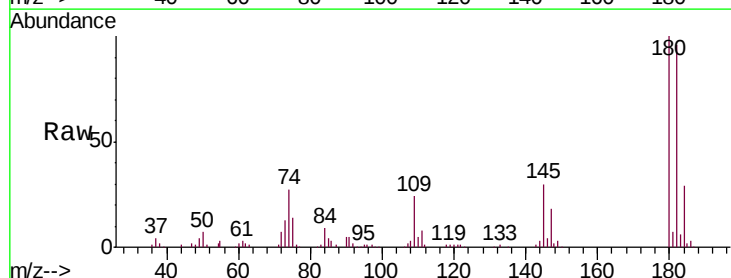
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB44

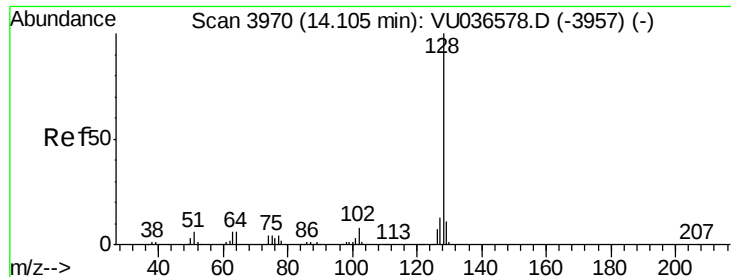
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	115.0
184	30.3	24.2	36.4
145	28.6	23.3	34.9



#68
 1,2,4-trichlorobenzene
 Concen: 51.233 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036583.D
 Acq: 29 Jan 2020 10:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.9	112.3
145	30.1	23.8	35.8





#69

Naphthalene

Concen: 47.510 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_U

ClientSampled :

BFB44

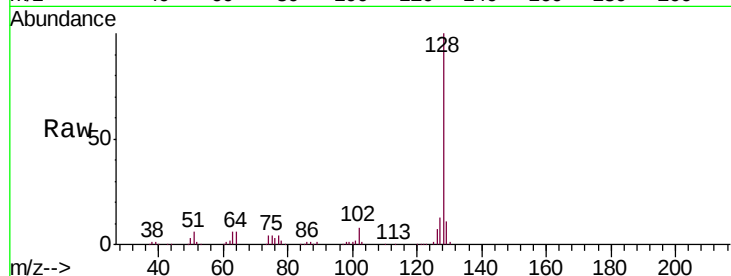
Tgt Ion:128 Resp: 304654

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.9 8.6 12.8

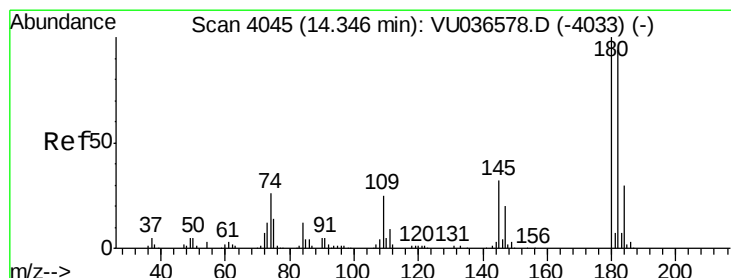
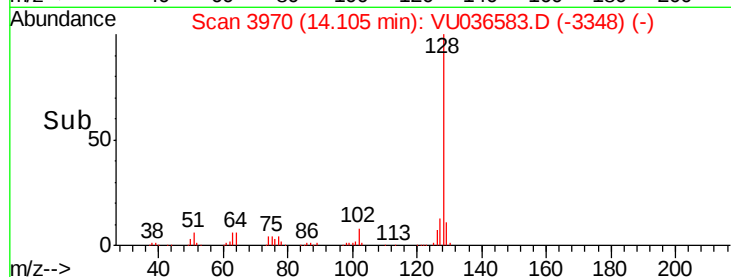
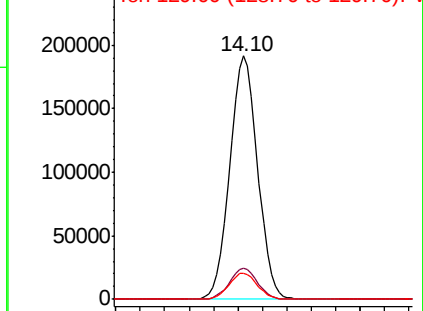


Abundance

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: 50.293 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036583.D

Acq: 29 Jan 2020 10:32

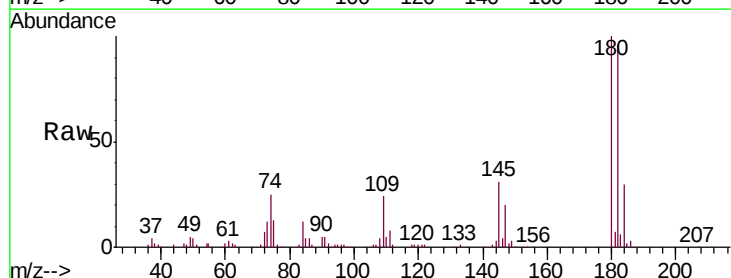
Tgt Ion:180 Resp: 114853

Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

145 31.6 25.4 38.2



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

