

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090320\
 Data File : VU040028.D
 Acq On : 03 Sep 2020 10:04
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

Quant Time: Sep 04 02:56:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131910	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128398	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	66150	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29050	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.92	69	24787	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.58	63	79427	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.65	46	134407	46.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.32%
24) Chloroform-d	5.08	84	74393	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.72	65	45529	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	5.74	84	134159	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	42844	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.91	98	120610	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.18	79	19739	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.64	63	101718	47.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.62%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41141	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46916	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	58907	4.500	ug/L 100
3) Chloromethane	1.53	50	61114	4.876	ug/L 100
5) Vinyl chloride	1.61	62	59438	4.678	ug/L 98
6) Bromomethane	1.87	94	32806	5.051	ug/L 95
8) Chloroethane	1.94	64	33213	4.349	ug/L 99
9) Trichlorofluoromethane	2.15	101	88490	4.862	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55202	4.679	ug/L 98
12) 1,1-Dichloroethene	2.59	96	47791	4.682	ug/L 97
13) Acetone	2.65	43	123440	46.289	ug/L 97
14) Carbon disulfide	2.81	76	148167	4.527	ug/L 98
15) Methyl Acetate	2.96	43	29984	4.480	ug/L 98
16) Methylene chloride	3.06	84	57239	4.282	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	140090	4.553	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	50987	4.643	ug/L 92
19) 1,1-Dichloroethane	3.89	63	102361	4.528	ug/L 99
21) 2-Butanone	4.73	43	206724	47.482	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	54874	4.647	ug/L 96

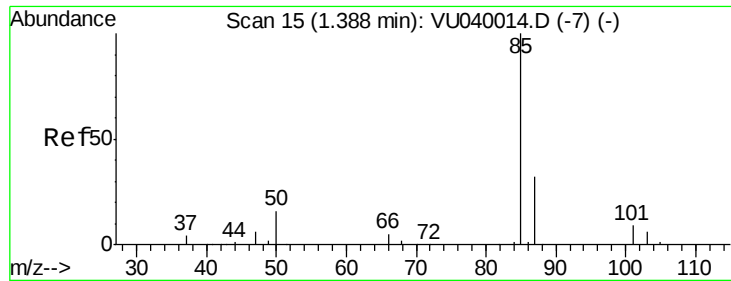
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25461	4.921	ug/L	97
25) Chloroform	5.11	83	108566	4.690	ug/L	97
27) 1,2-Dichloroethane	5.81	62	79120	4.665	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	92156	4.571	ug/L	99
30) Cyclohexane	5.40	56	89611	4.584	ug/L	99
31) Carbon tetrachloride	5.54	117	79784	4.624	ug/L	98
33) Benzene	5.79	78	214922	4.679	ug/L	100
34) Trichloroethene	6.55	95	58698	4.764	ug/L	97
35) Methylcyclohexane	6.77	83	86235	4.571	ug/L	98
37) 1,2-Dichloropropane	6.80	63	60397	4.856	ug/L	100
38) Bromodichloromethane	7.11	83	80125	4.719	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	82378	4.491	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	492365	48.248	ug/L	100
42) Toluene	7.98	91	228832	4.837	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	80254	4.722	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	42764	4.720	ug/L	94
47) Tetrachloroethene	8.56	164	37375	4.618	ug/L	97
48) 2-Hexanone	8.69	43	365477	49.098	ug/L	99
49) Dibromochloromethane	8.81	129	51303	4.717	ug/L	96
50) 1,2-Dibromoethane	8.93	107	42080	4.817	ug/L	99
51) Chlorobenzene	9.45	112	143186	4.875	ug/L	100
52) Ethylbenzene	9.57	91	255063	4.746	ug/L	100
53) m,p-Xylene	9.69	106	95299	4.980	ug/L	98
54) o-Xylene	10.10	106	91303	5.007	ug/L	97
55) Styrene	10.11	104	163696	5.162	ug/L	97
56) Isopropylbenzene	10.48	105	250845	5.044	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	57672	4.964	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	45660	4.955	ug/L	100
61) Bromoform	10.29	173	26202	4.319	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	112535	4.654	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	115485	4.720	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	107278	4.586	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	10449	4.176	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	79383	4.669	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	67047	4.579	ug/L	99
69) Naphthalene	14.08	128	131211	4.299	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	60311	4.484	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.500 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

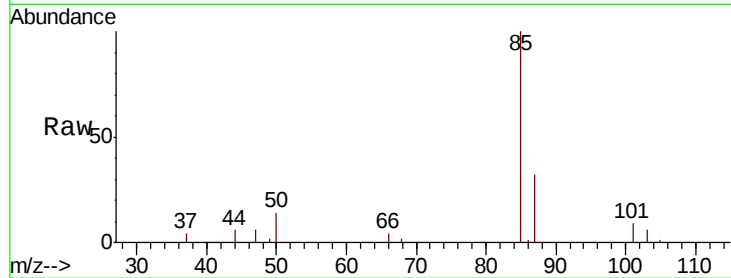
BFB27

Tot Ion: 85 Resp: 58907

Ion Ratio Lower Upper

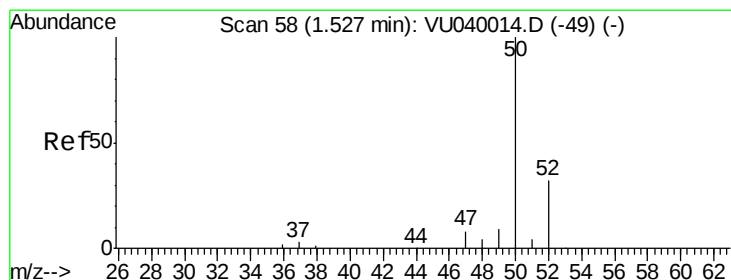
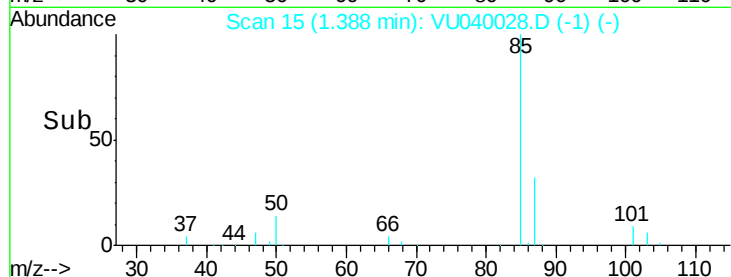
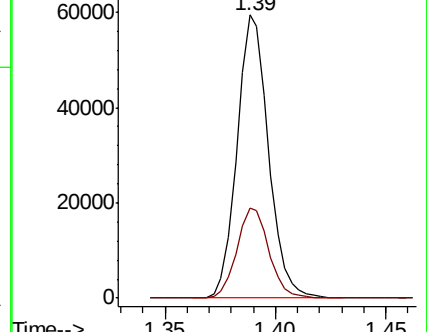
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040014.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040014.D (-7) (-)



#3

Chloromethane

Concen: 4.876 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040028.D

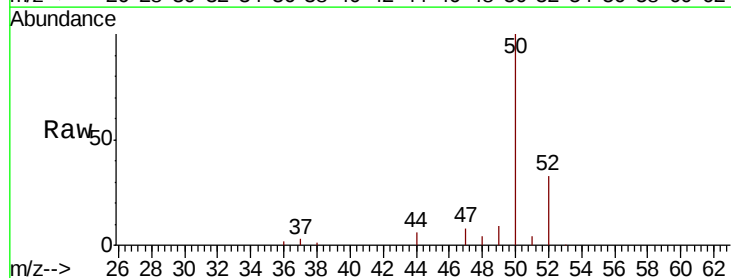
Acq: 03 Sep 2020 10:04

Tgt Ion: 50 Resp: 61114

Ion Ratio Lower Upper

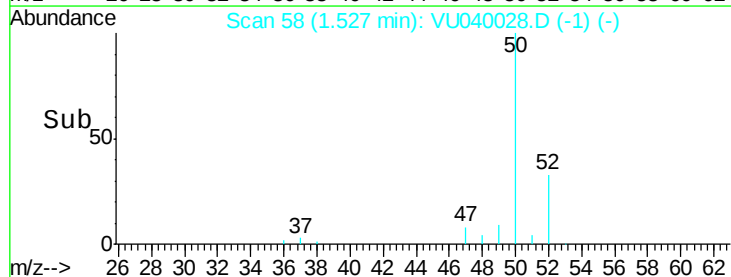
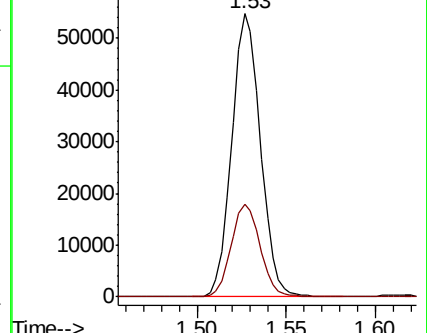
50 100

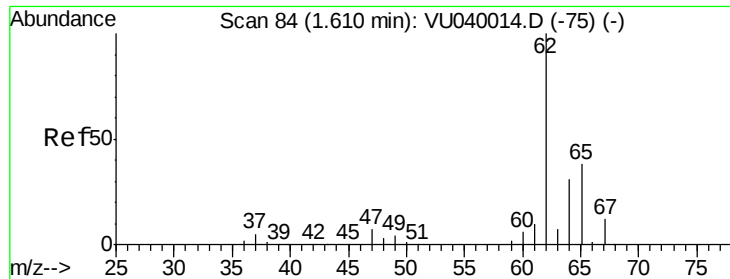
52 32.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040014.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040014.D (-49) (-)





#5

Vinyl chloride

Concen: 4.678 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

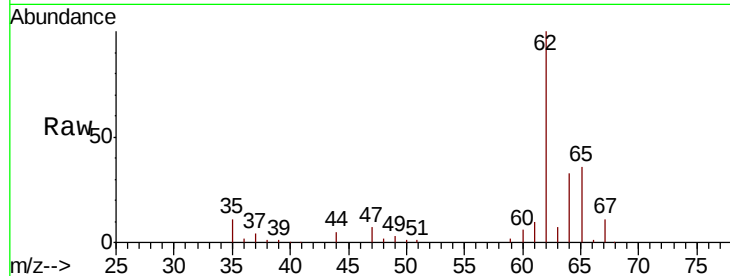
BFB27

Tot Ion: 62 Resp: 59438

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

60000

50000

40000

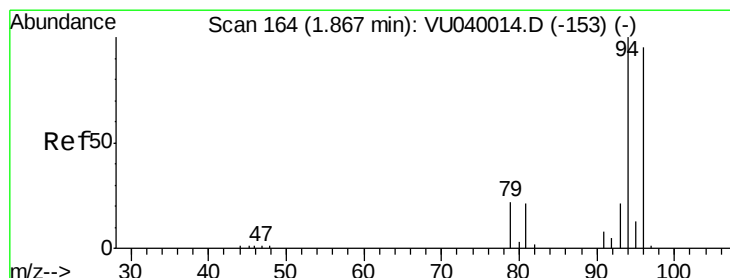
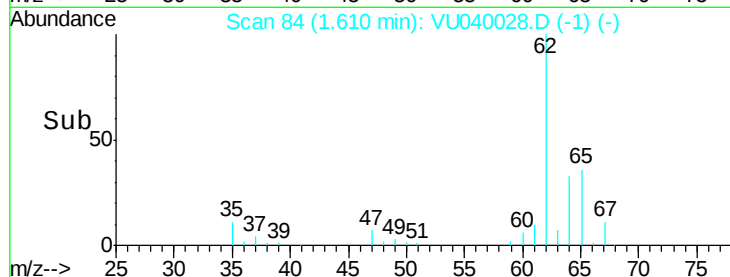
30000

20000

10000

0

Time-->



#6

Bromomethane

Concen: 5.051 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040028.D

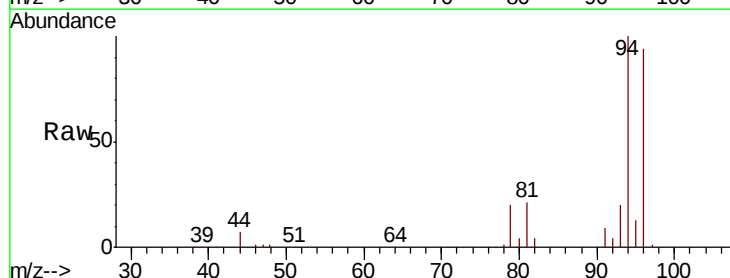
Acq: 03 Sep 2020 10:04

Tgt Ion: 94 Resp: 32806

Ion Ratio Lower Upper

94 100

96 93.6 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

30000

25000

20000

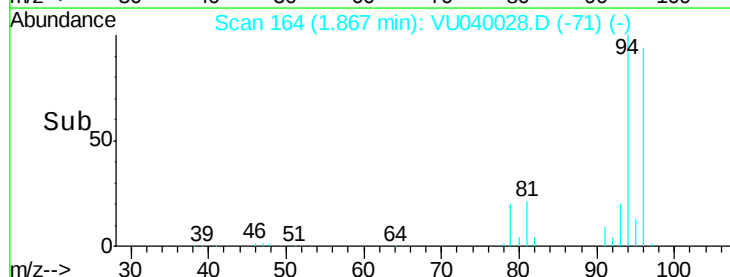
15000

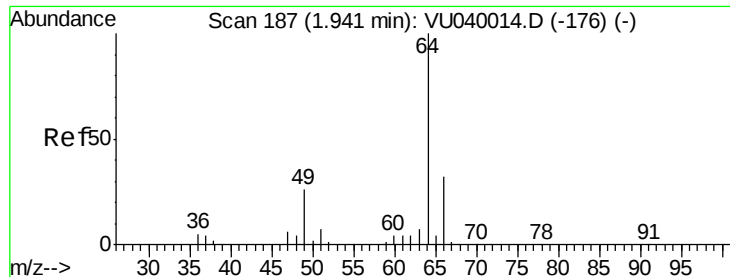
10000

5000

0

Time-->





#8

Chloroethane

Concen: 4.349 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

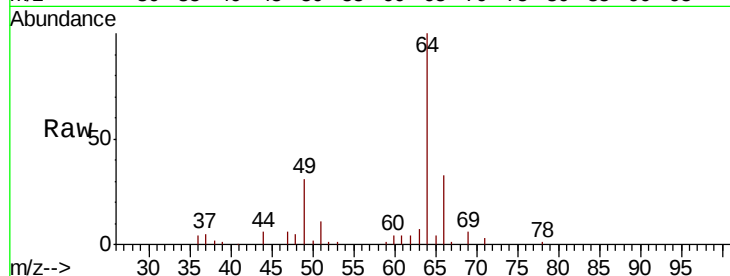
BFB27

Tot Ion: 64 Resp: 33213

Ion Ratio Lower Upper

64 100

66 32.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040014.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040014.D (-176) (-)

1.94

25000

20000

15000

10000

5000

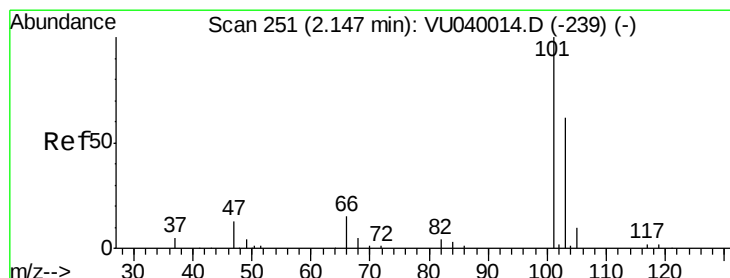
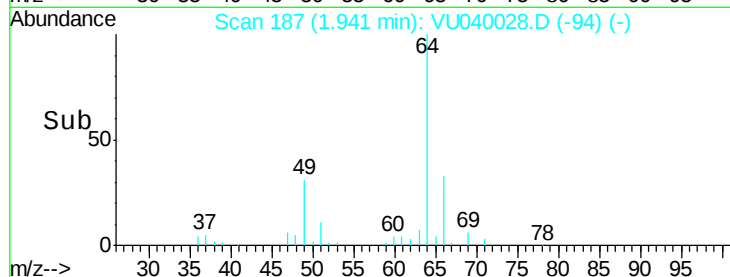
0

1.90

1.95

2.00

Time-->



#9

Trichlorofluoromethane

Concen: 4.862 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040028.D

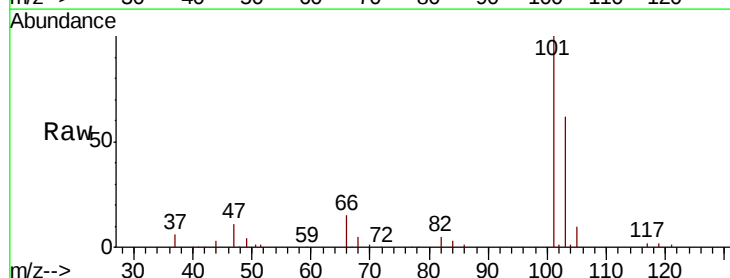
Acq: 03 Sep 2020 10:04

Tgt Ion:101 Resp: 88490

Ion Ratio Lower Upper

101 100

103 62.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040014.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040014.D (-239) (-)

2.15

60000

40000

20000

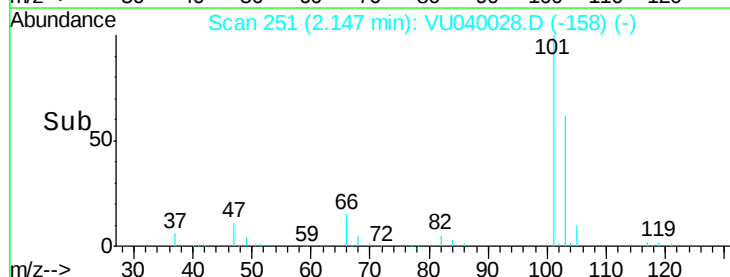
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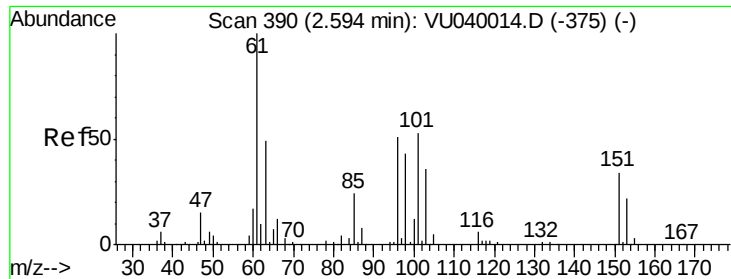
2.10

2.15

2.20

Time-->





#10

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

Concen: 4.679 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

BFB27

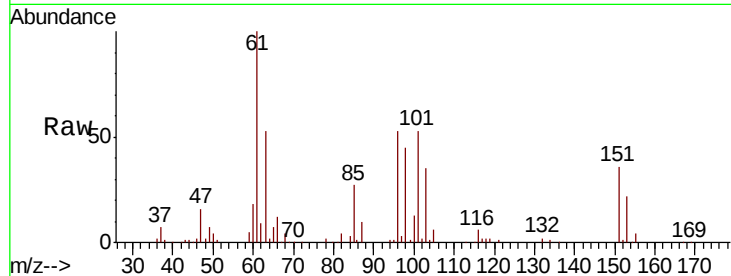
Tot Ion:101 Resp: 55202

Ion Ratio Lower Upper

101 100

85 48.7 37.7 56.5

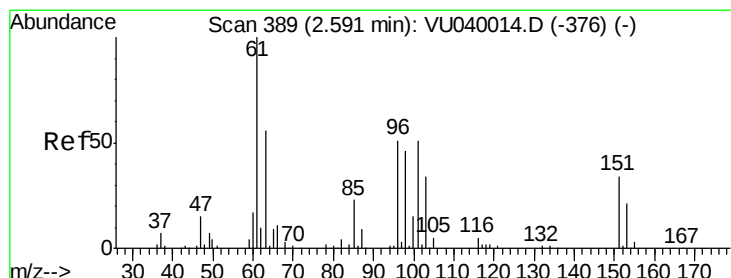
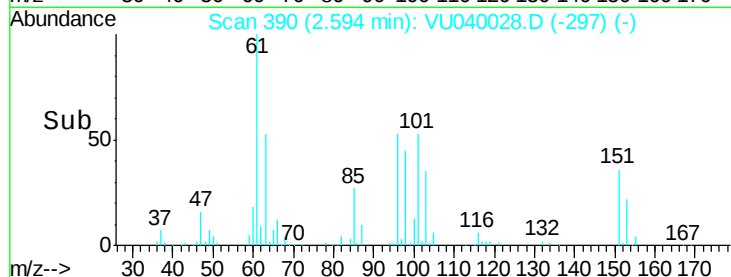
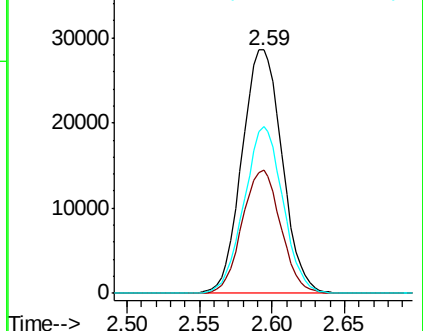
151 66.3 53.9 80.9



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: 4.682 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

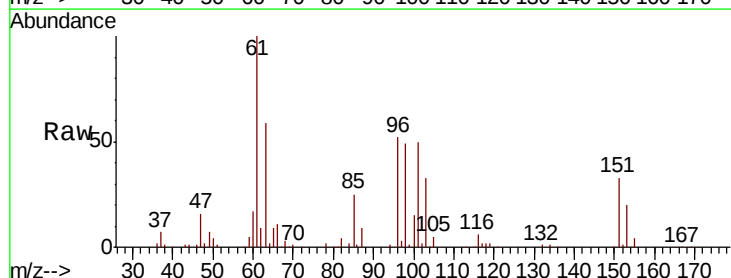
Tgt Ion: 96 Resp: 47791

Ion Ratio Lower Upper

96 100

61 190.8 138.3 256.8

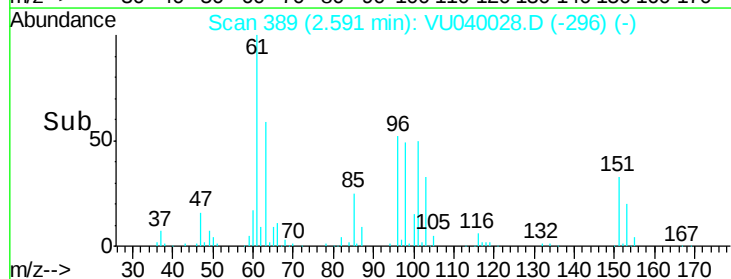
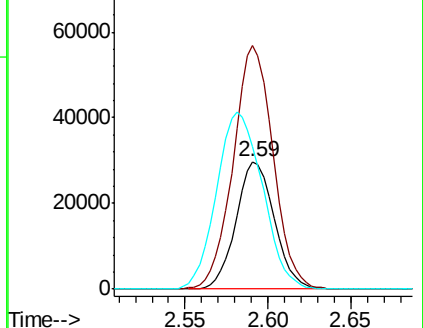
63 112.0 77.6 144.2

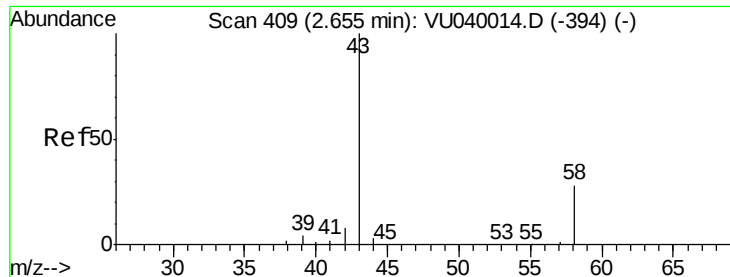


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.289 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

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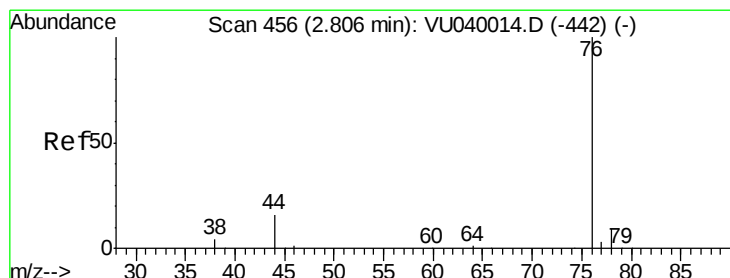
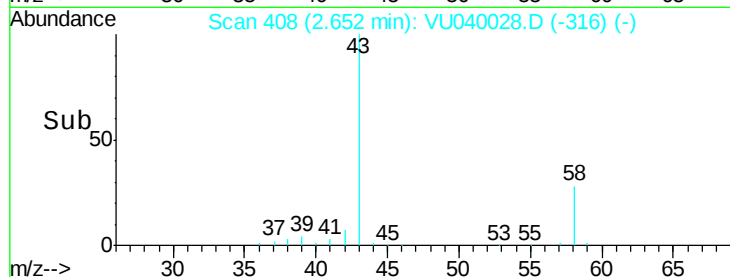
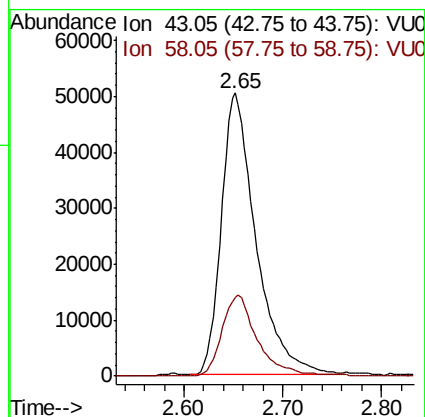
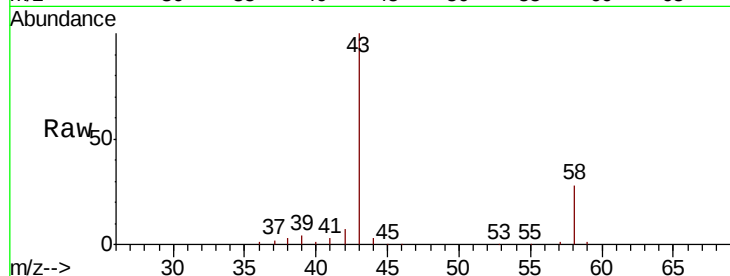
BFB27

Tot Ion: 43 Resp: 123440

Ion Ratio Lower Upper

43 100

58 29.1 0.0 55.4



#14

Carbon disulfide

Concen: 4.527 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040028.D

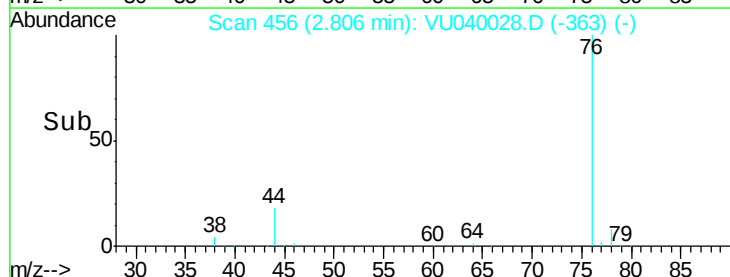
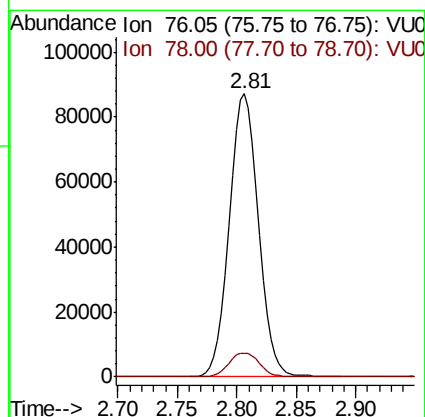
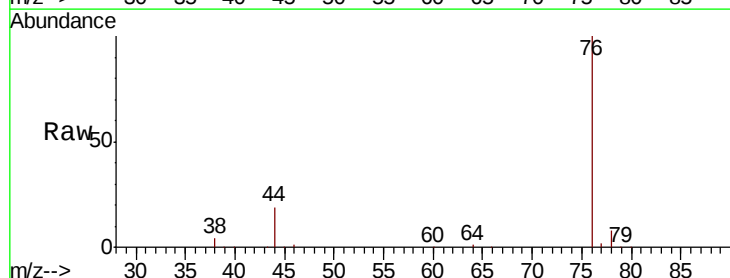
Acq: 03 Sep 2020 10:04

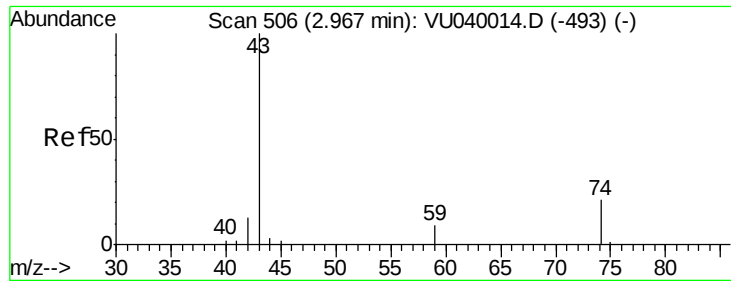
Tgt Ion: 76 Resp: 148167

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8





#15

Methvl Acetate

Concen: 4.480 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

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ClientSampleId :

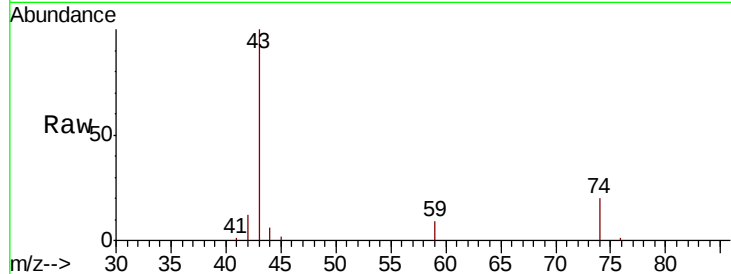
BFB27

Tot Ion: 43 Resp: 29984

Ion Ratio Lower Upper

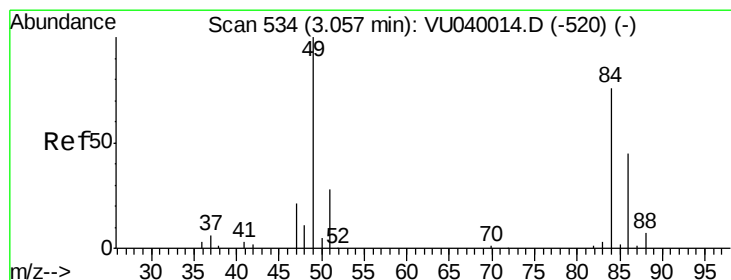
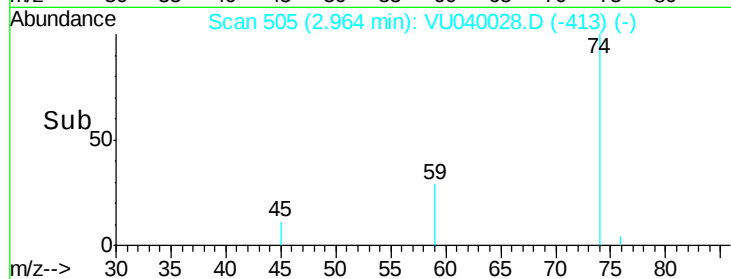
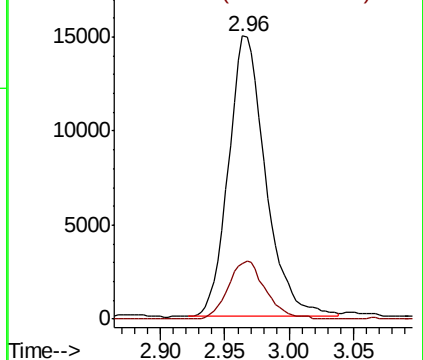
43 100

74 20.8 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.282 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

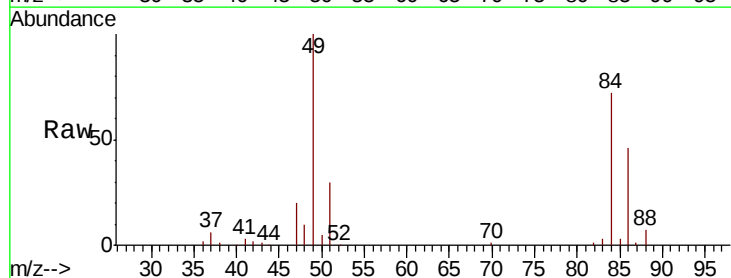
Tgt Ion: 84 Resp: 57239

Ion Ratio Lower Upper

84 100

86 63.7 45.2 84.0

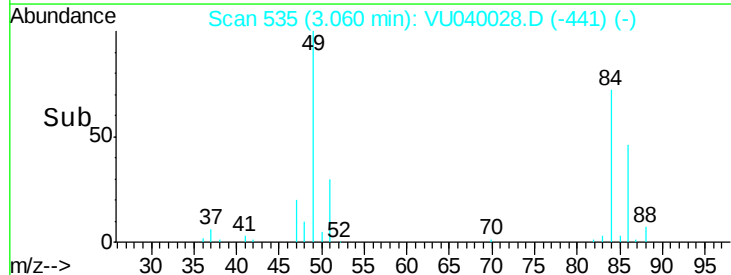
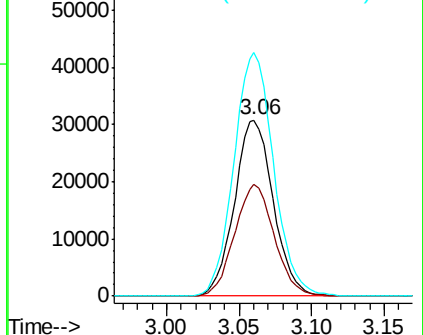
49 138.2 104.0 193.2

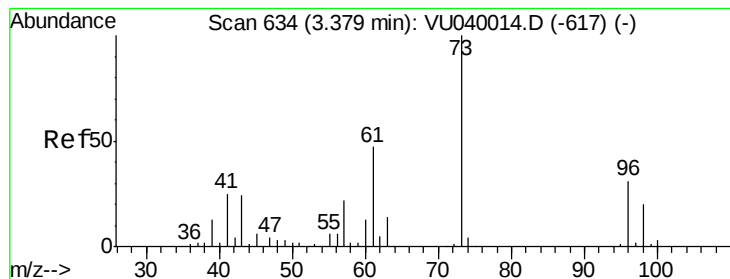


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



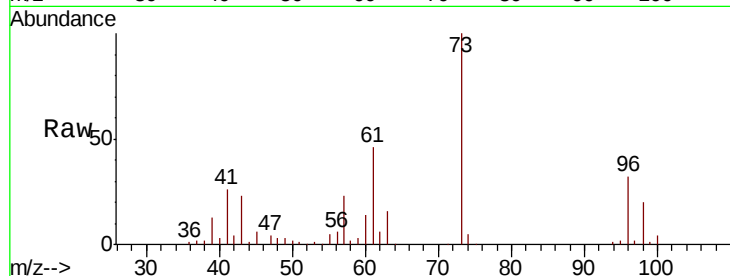


#17

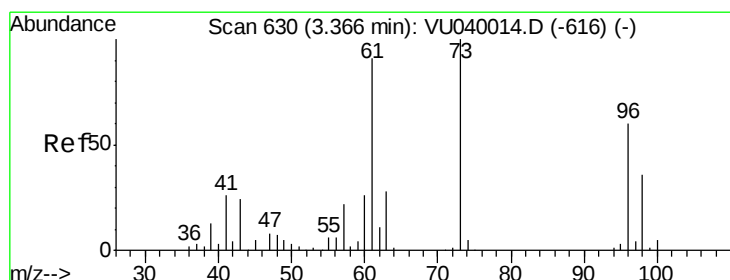
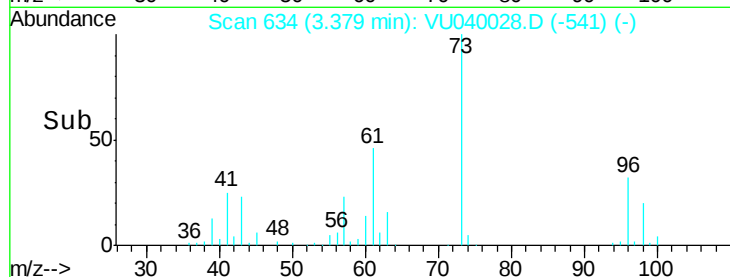
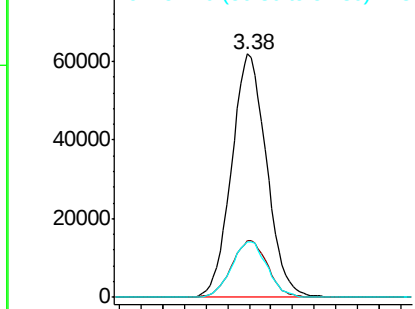
Methyl tert-butyl Ether
 Concen: 4.553 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleID :
 BFB27

Tot Ion: 73 Resp: 140090
 Ion Ratio Lower Upper
 73 100
 43 23.8 19.1 28.7
 57 23.1 18.3 27.5



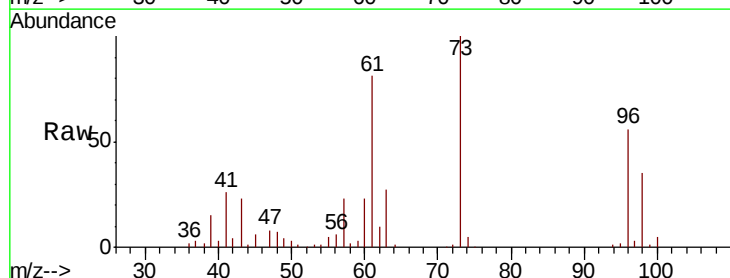
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



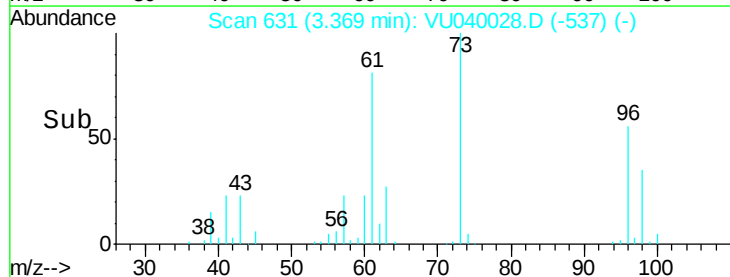
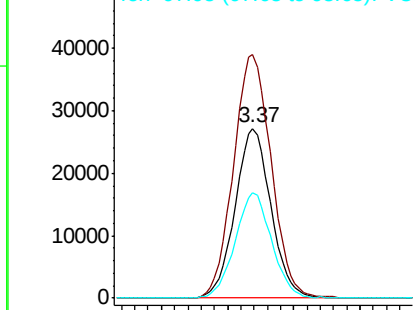
#18

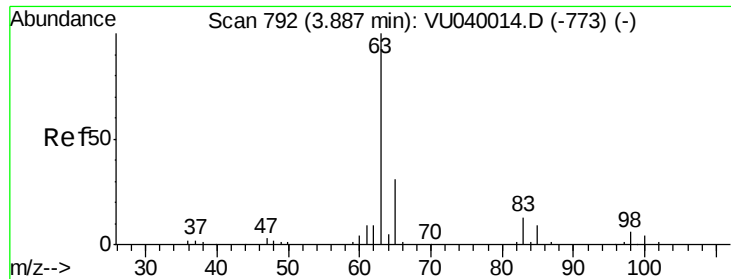
trans-1,2-Dichloroethene
 Concen: 4.643 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion: 96 Resp: 50987
 Ion Ratio Lower Upper
 96 100
 61 143.7 110.5 205.3
 98 62.6 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

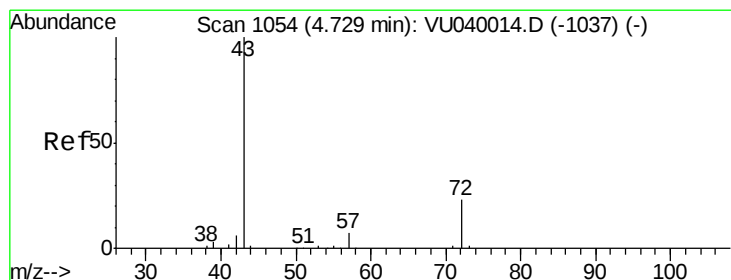
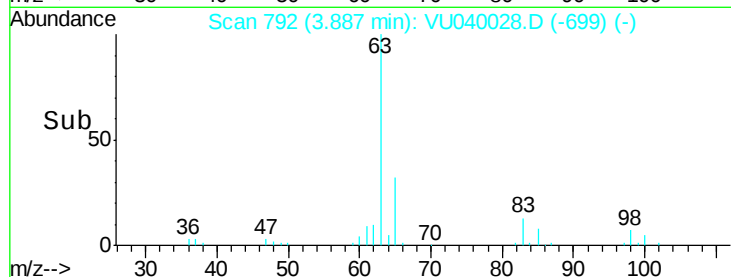
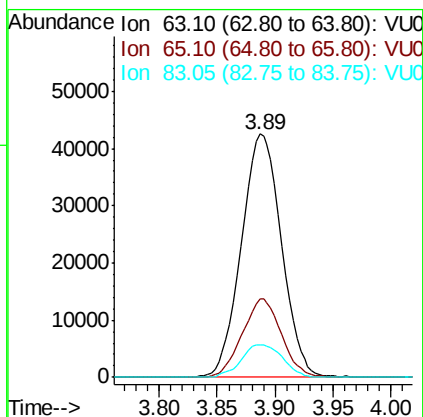
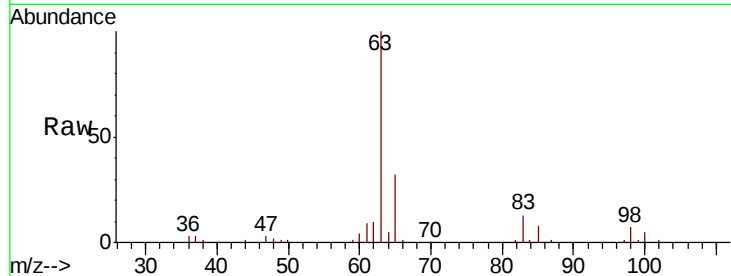




#19
 1,1-Dichloroethane
 Concen: 4.528 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

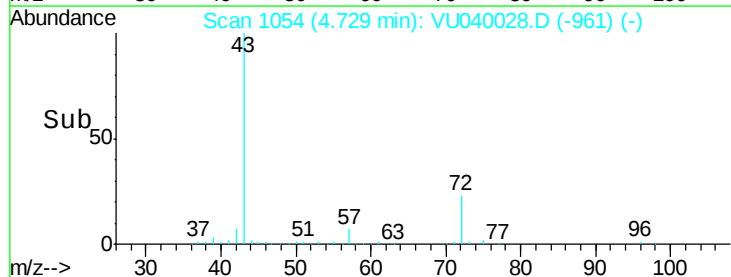
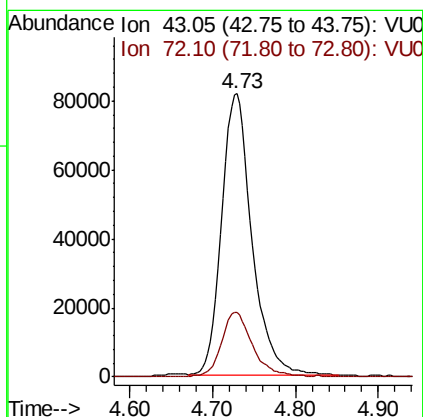
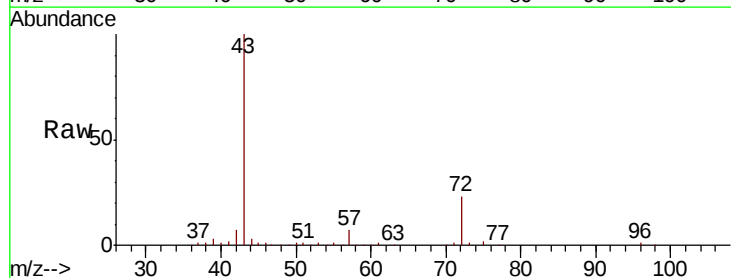
Instrument :
 MSVOA_U
 ClientSampled :
 BFB27

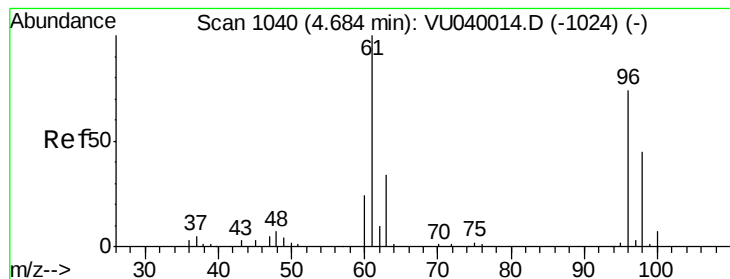
Tot Ion: 63 Resp: 102361
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.2 41.2
 83 13.4 9.4 17.6



#21
 2-Butanone
 Concen: 47.482 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion: 43 Resp: 206724
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 4.647 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

BFB27

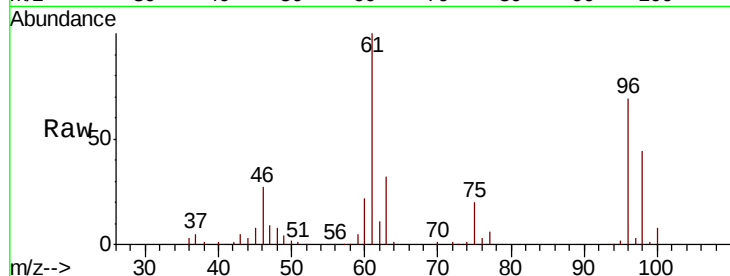
Tot Ion: 96 Resp: 54874

Ion Ratio Lower Upper

96 100

61 145.8 98.8 183.4

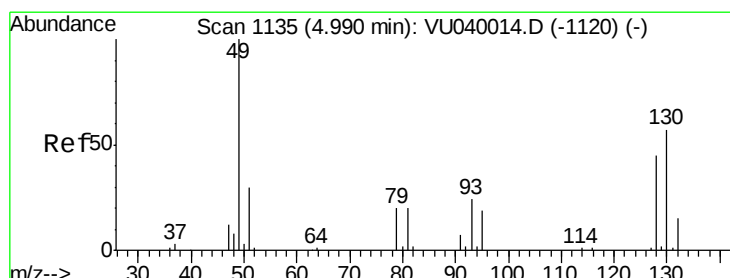
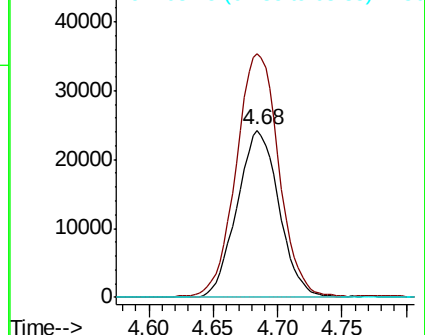
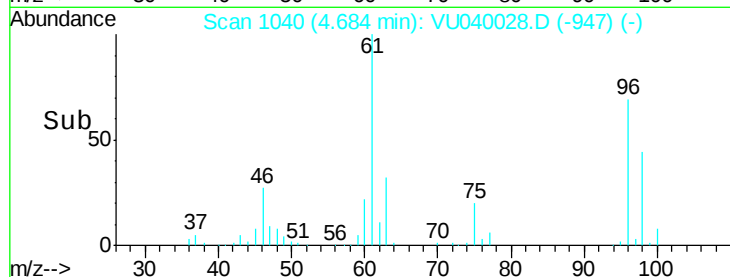
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040028.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040028.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040028.D (-947) (-)



#23

Bromochloromethane

Concen: 4.921 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Tgt Ion: 128 Resp: 25461

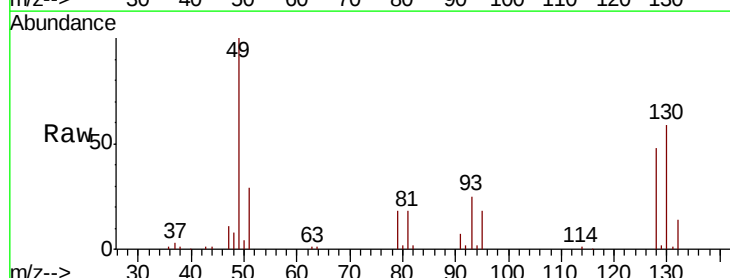
Ion Ratio Lower Upper

128 100

49 207.1 143.4 266.4

130 121.3 89.5 166.3

51 60.9 51.0 76.4

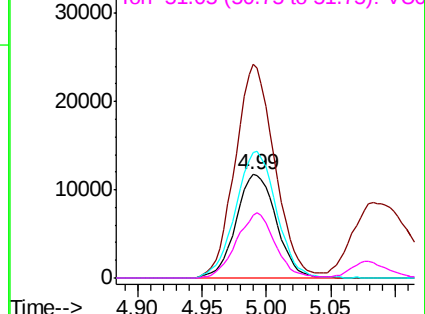
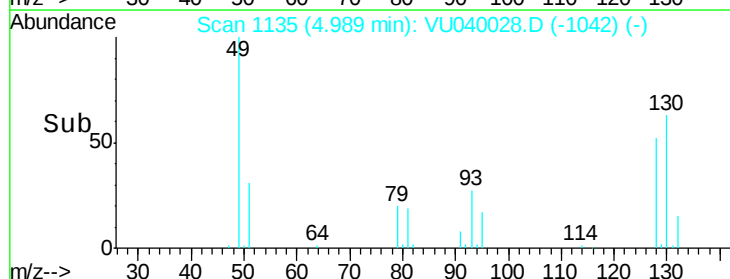


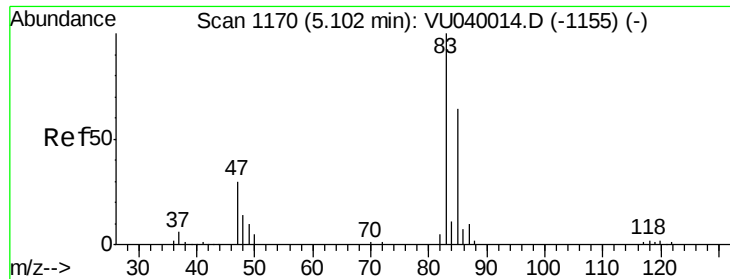
Abundance Ion 127.90 (127.60 to 128.60): VU040028.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040028.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040028.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040028.D (-1042) (-)

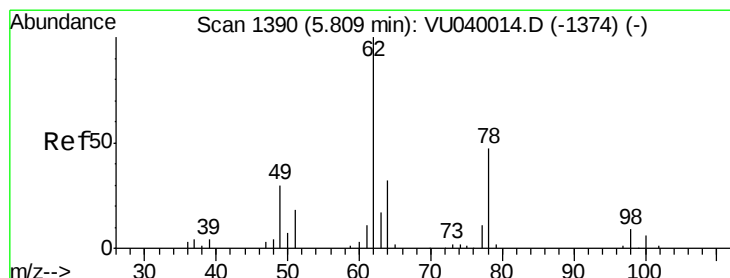
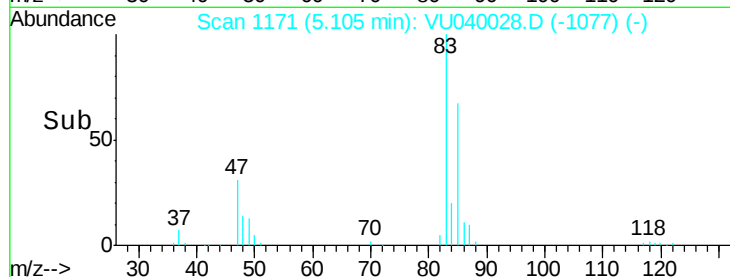
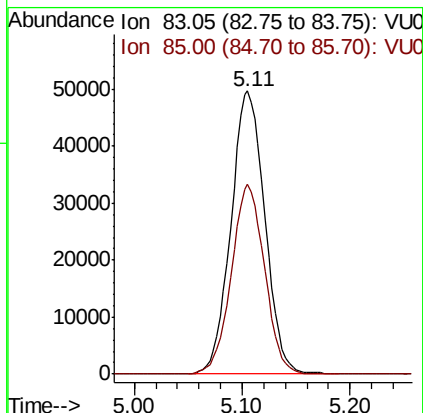
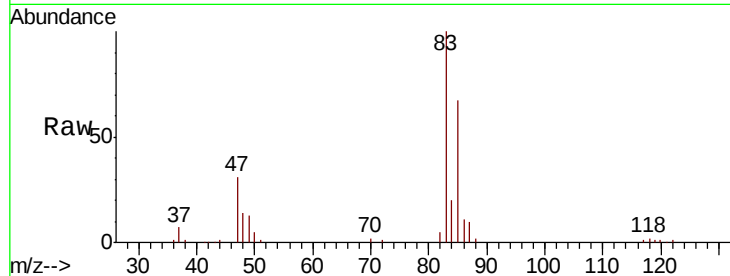




#25
Chloroform
Concen: 4.690 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040028.D
Acq: 03 Sep 2020 10:04

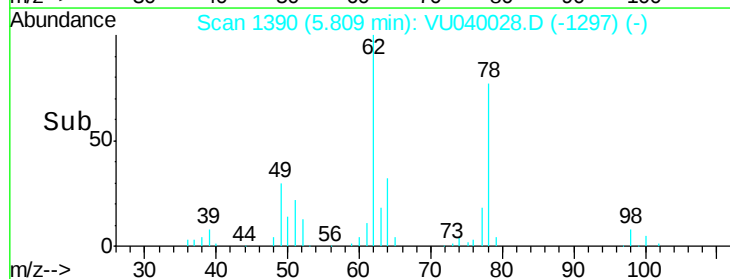
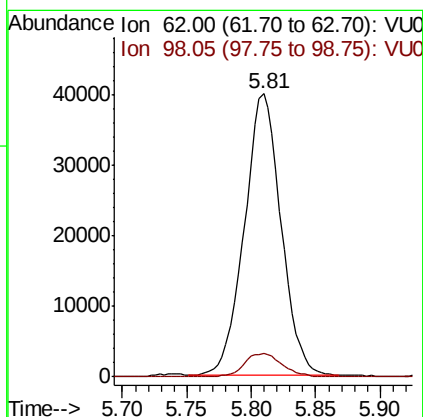
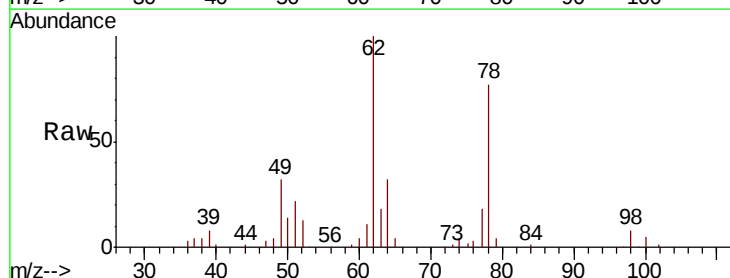
Instrument :
MSVOA_U
ClientSampled :
BFB27

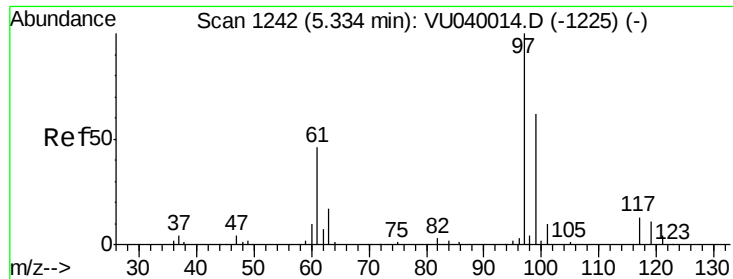
Tot Ion: 83 Resp: 108566
Ion Ratio Lower Upper
83 100
85 67.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.665 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040028.D
Acq: 03 Sep 2020 10:04

Tgt Ion: 62 Resp: 79120
Ion Ratio Lower Upper
62 100
98 8.2 6.1 9.1

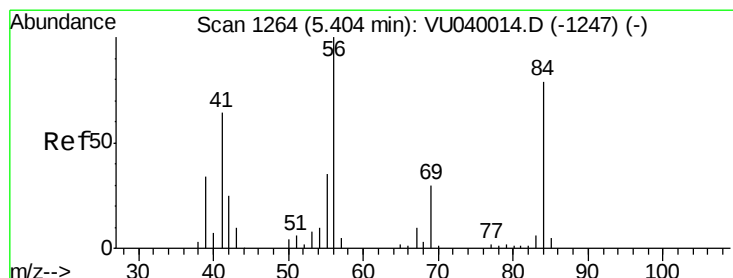
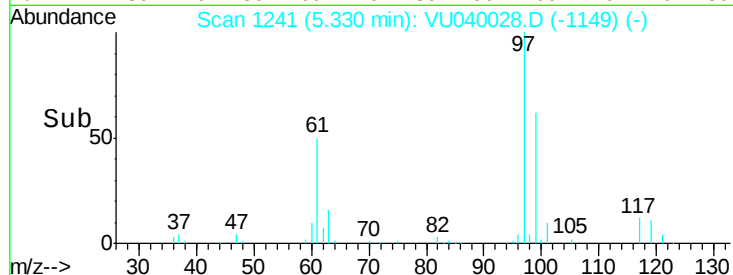
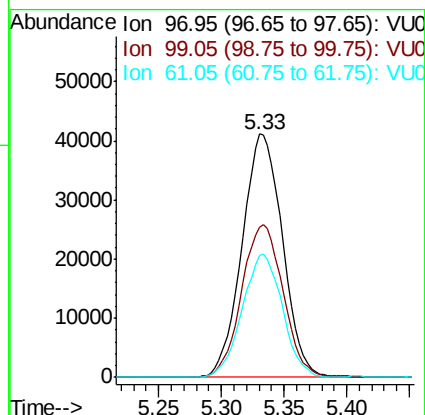
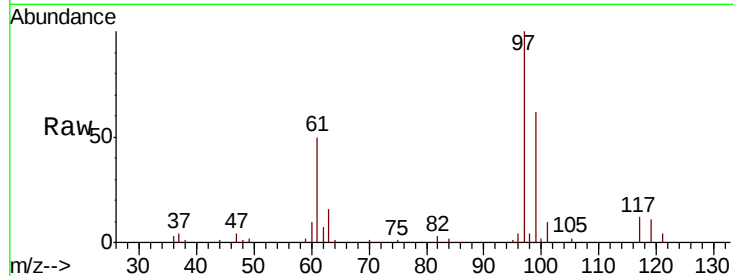




#29
 1,1,1-Trichloroethane
 Concen: 4.571 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

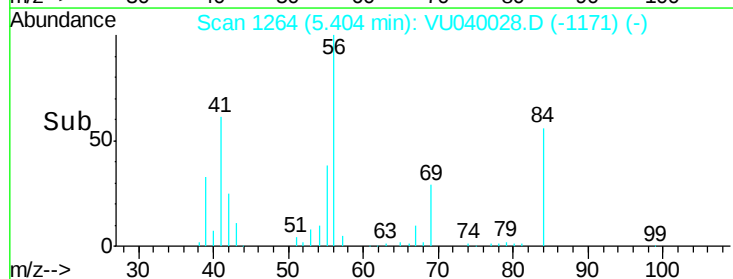
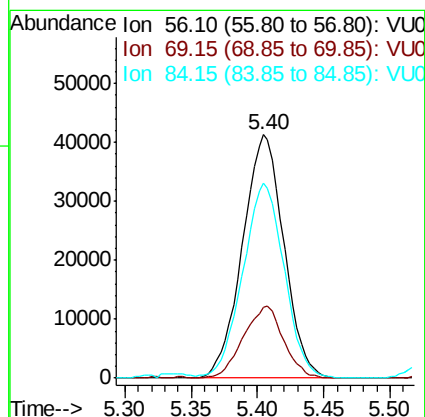
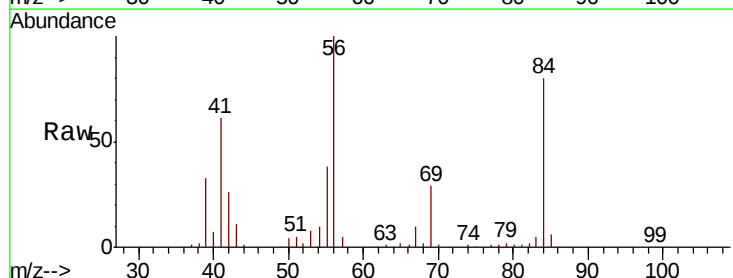
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

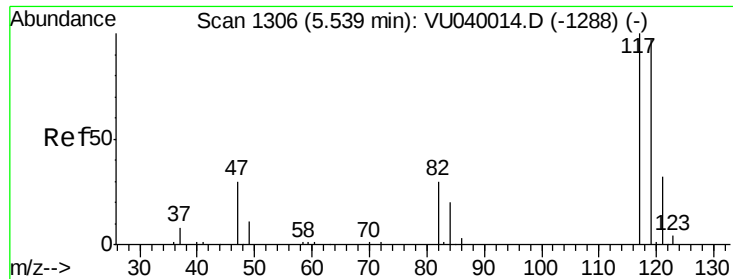
Tot Ion: 97 Resp: 92156
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.9 76.3
 61 50.4 39.5 59.3



#30
 Cyclohexane
 Concen: 4.584 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion: 56 Resp: 89611
 Ion Ratio Lower Upper
 56 100
 69 28.7 24.1 36.1
 84 80.5 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.624 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

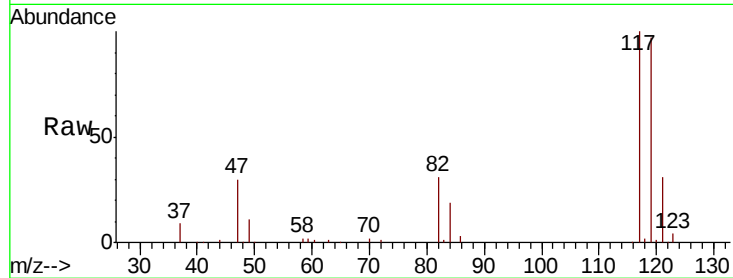
BFB27

Tot Ion:117 Resp: 79784

Ion Ratio Lower Upper

117 100

119 95.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

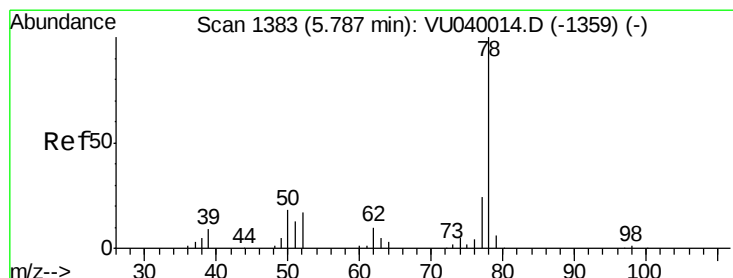
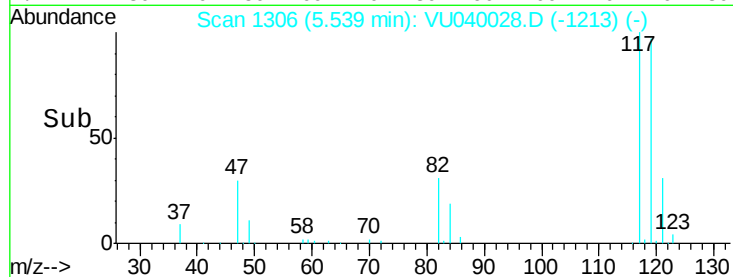
20000

10000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.679 ug/L

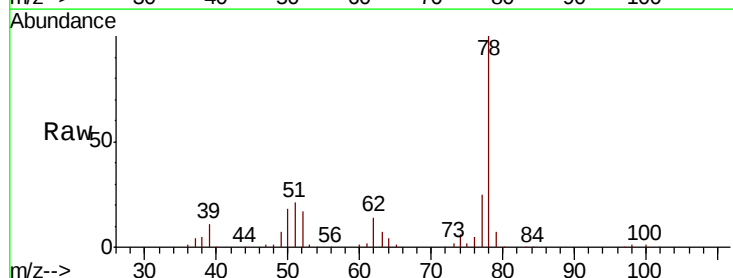
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Tgt Ion: 78 Resp: 214922



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

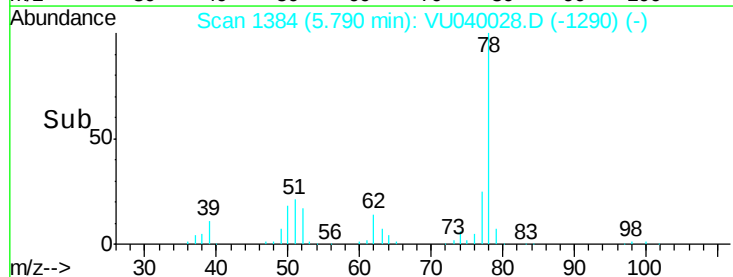
40000

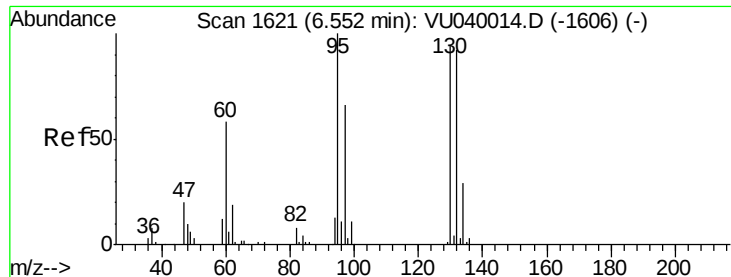
20000

0

Time-->

5.70 5.80

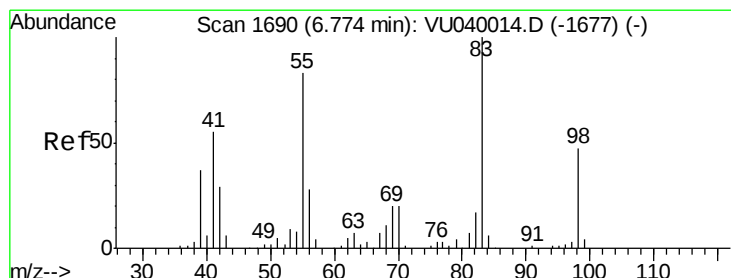
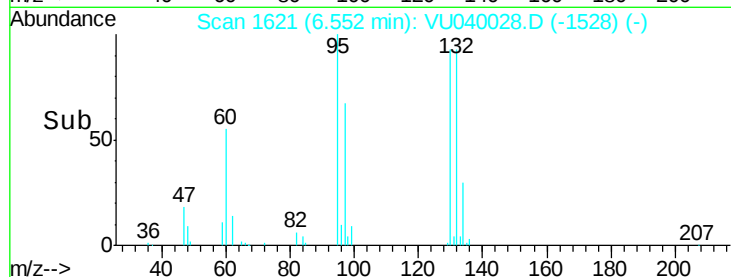
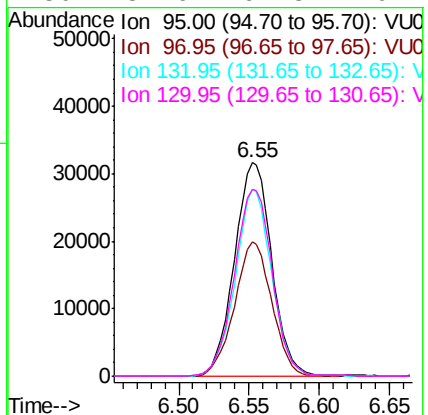
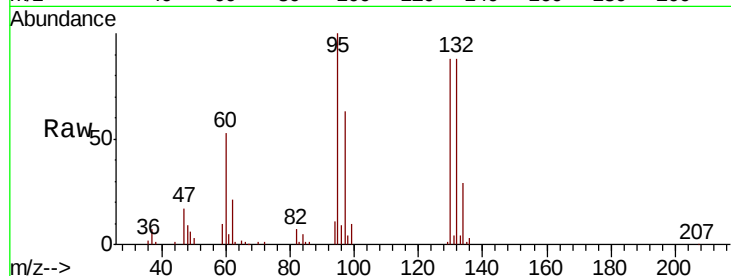




#34
 Trichloroethene
 Concen: 4.764 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

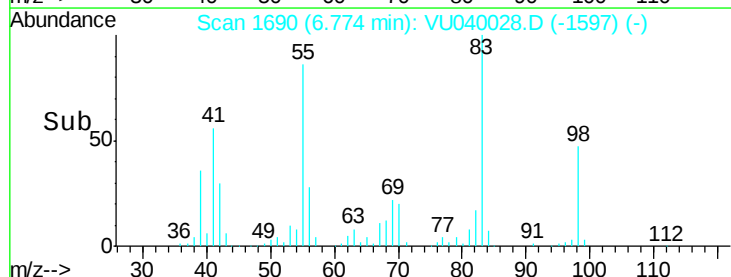
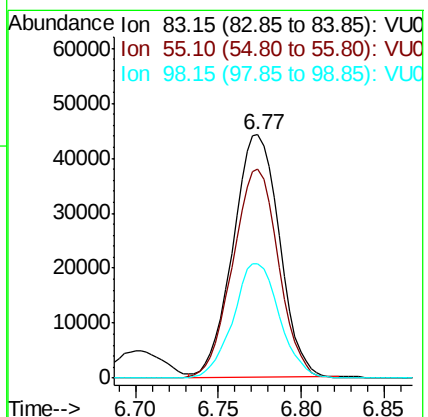
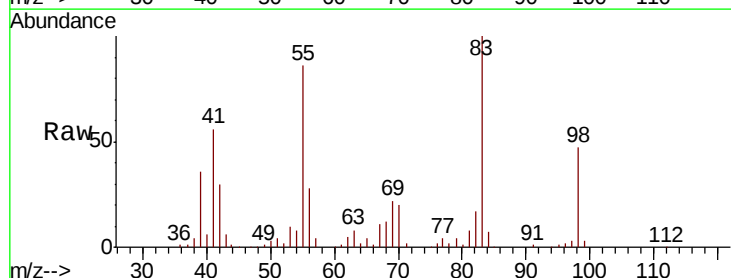
Instrument :
 MSVOA_U
 ClientSampled :
 BFB27

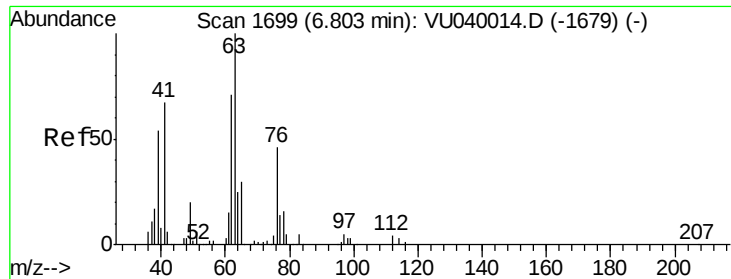
Tot Ion:	95	Resp:	58698
Ion	Ratio	Lower	Upper
95	100		
97	62.9	43.3	80.5
132	87.5	59.4	110.4
130	87.6	64.8	120.4



#35
 Methylcyclohexane
 Concen: 4.571 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion:	83	Resp:	86235
Ion	Ratio	Lower	Upper
83	100		
55	85.0	70.5	105.7
98	47.1	37.8	56.6

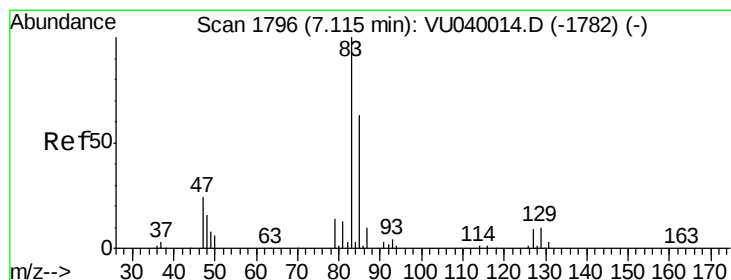
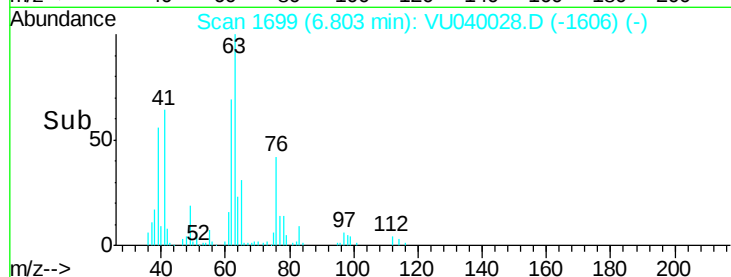
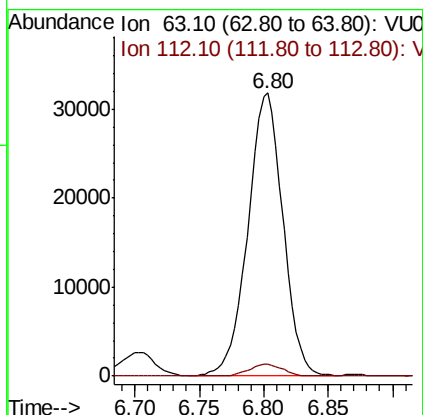
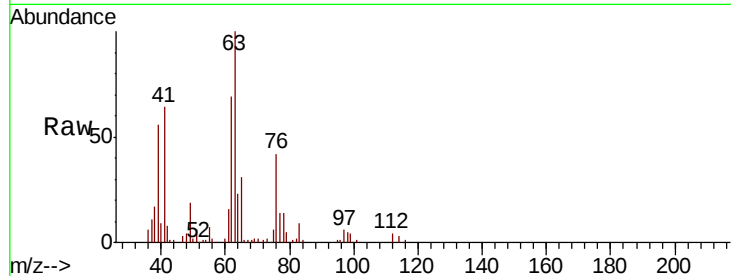




#37
 1,2-Dichloropropane
 Concen: 4.856 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

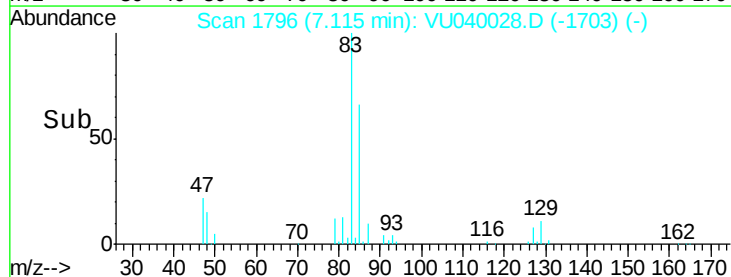
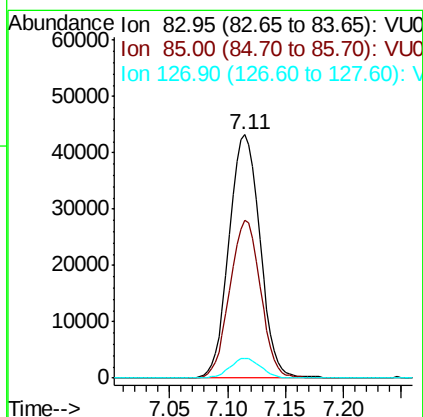
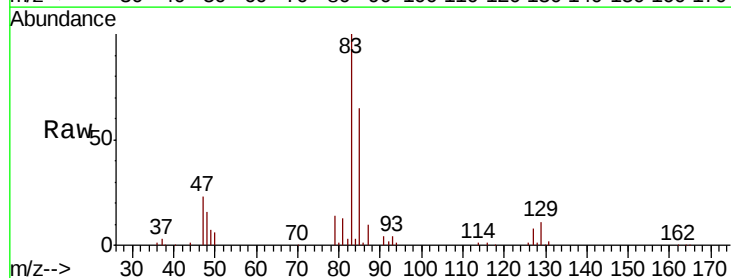
Instrument :
 MSVOA_U
 ClientSampled :
 BFB27

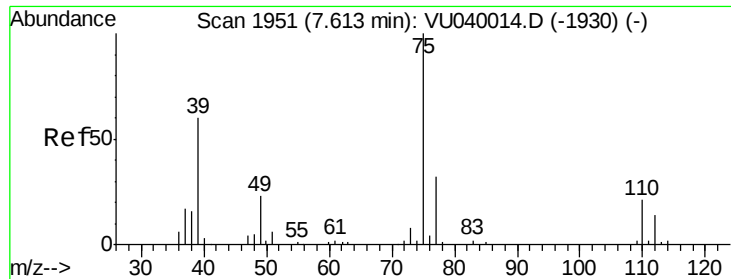
Tot Ion: 63 Resp: 60397
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.719 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion: 83 Resp: 80125
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.1 83.9
 127 8.3 6.7 10.1

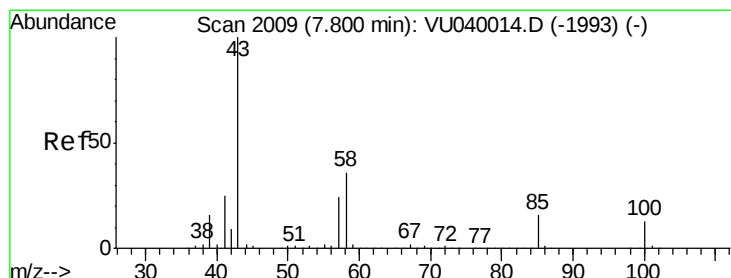
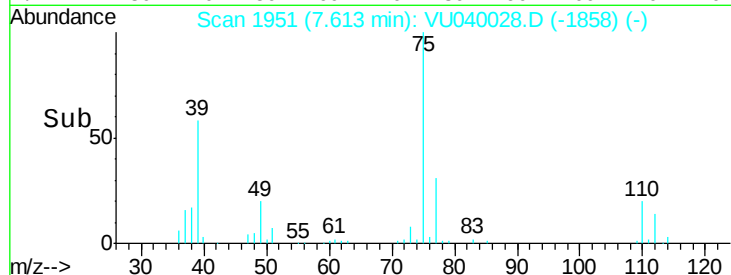
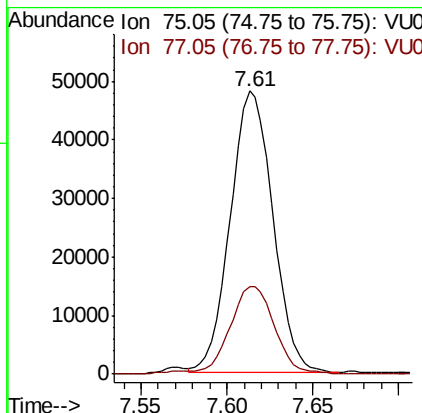
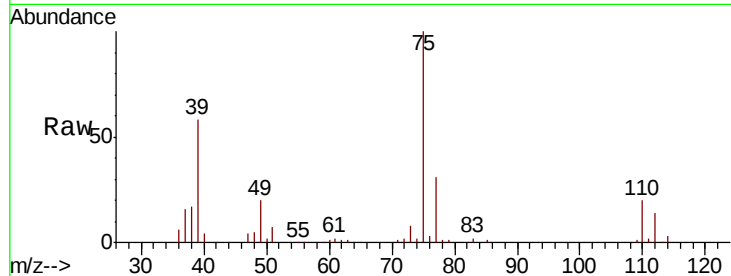




#39
 cis-1,3-Dichloropropene
 Concen: 4.491 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

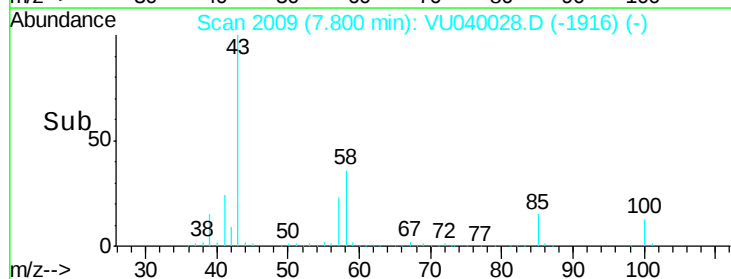
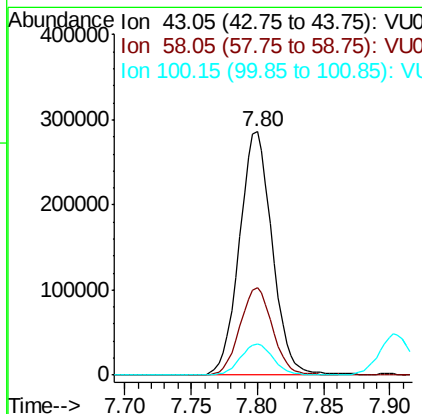
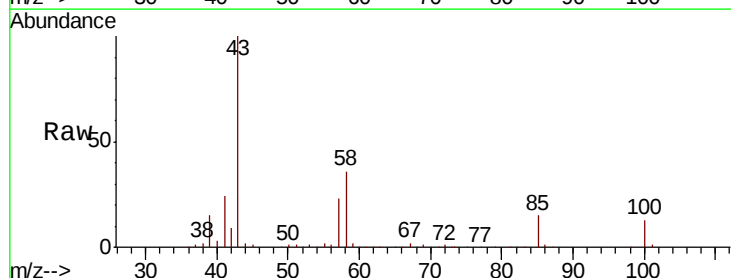
Instrument :
 MSVOA_U
 ClientSampled :
 BFB27

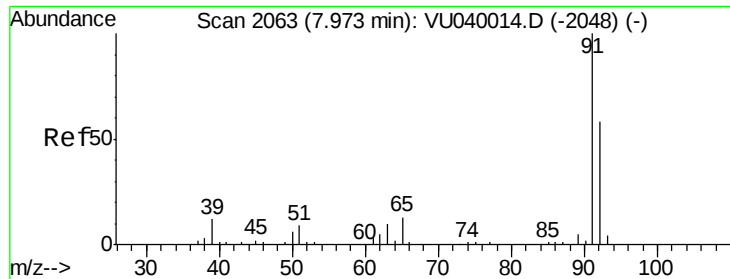
Tot Ion: 75 Resp: 82378
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 48.248 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion: 43 Resp: 492365
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.7 43.1
 100 12.9 10.2 15.2





#42

Toluene

Concen: 4.837 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

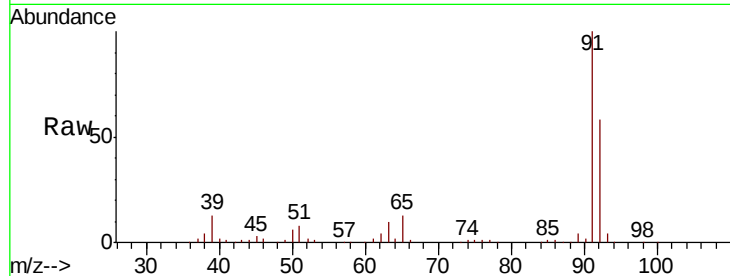
BFB27

Tot Ion: 91 Resp: 228832

Ion Ratio Lower Upper

91 100

92 58.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

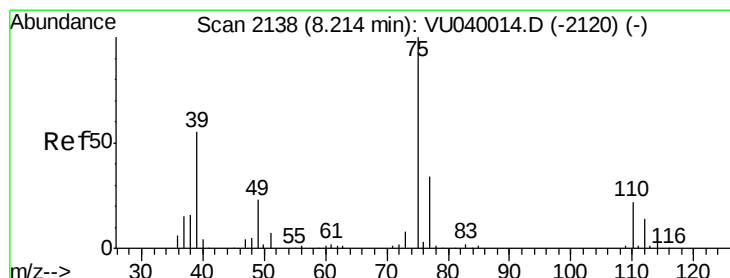
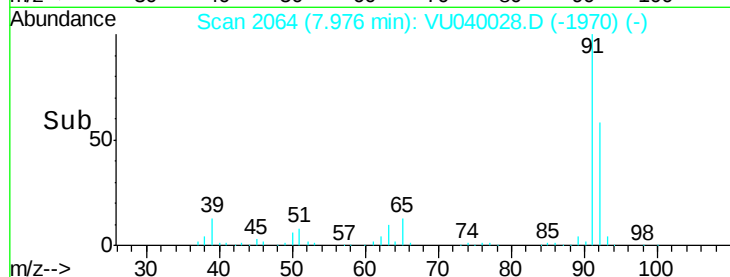
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.722 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040028.D

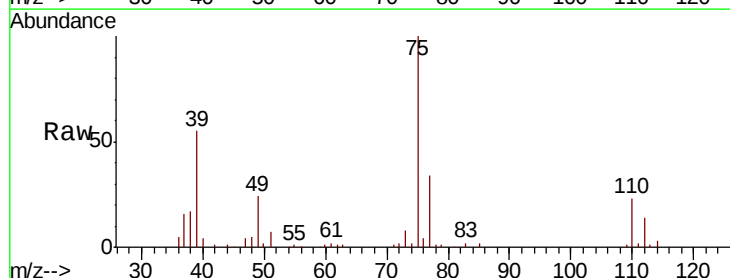
Acq: 03 Sep 2020 10:04

Tgt Ion: 75 Resp: 80254

Ion Ratio Lower Upper

75 100

77 33.9 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

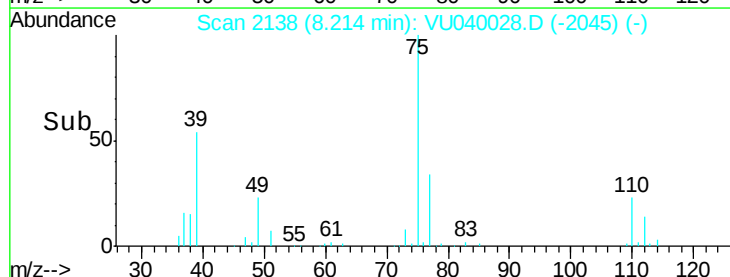
30000

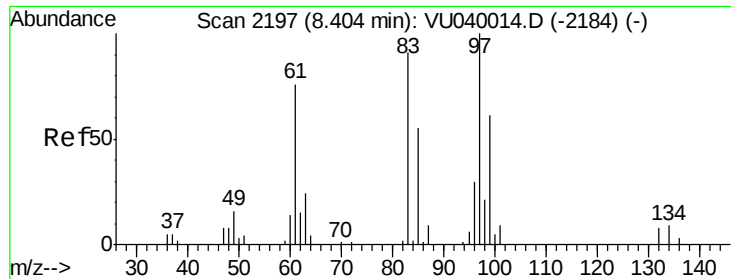
20000

10000

0

Time-->

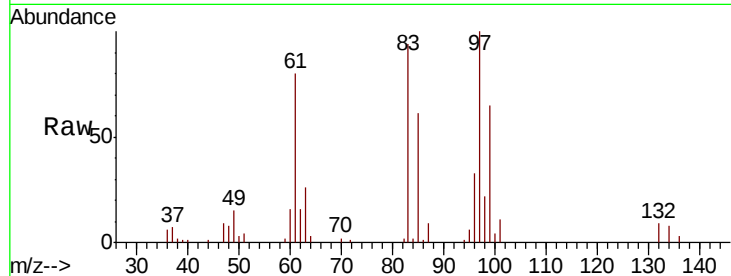




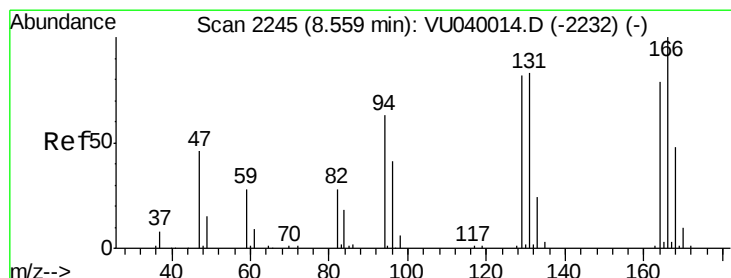
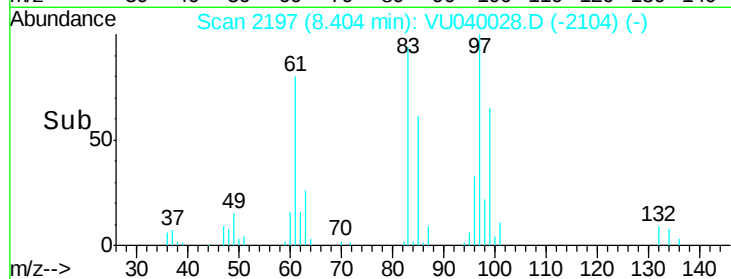
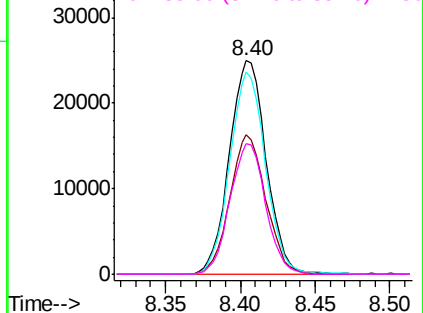
#45
 1,1,2-Trichloroethane
 Concen: 4.720 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

Tot Ion:	97	Resp:	42764
Ion	Ratio	Lower	Upper
97	100		
99	65.1	43.0	79.8
83	94.5	61.7	114.7
85	61.0	39.3	73.1

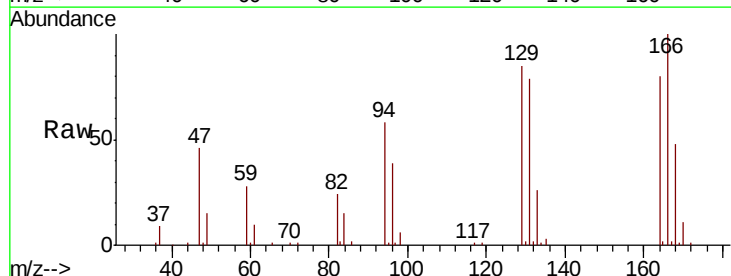


Abundance Ion 96.95 (96.65 to 97.65): VU040028.D (-2104) (-)

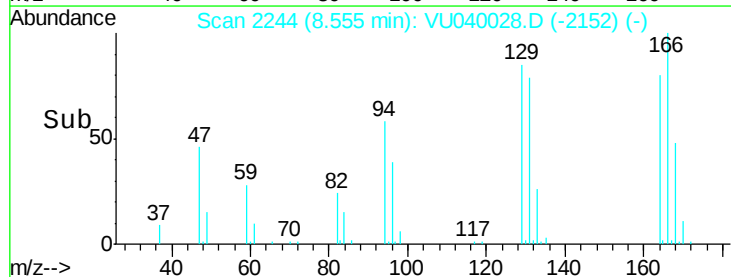
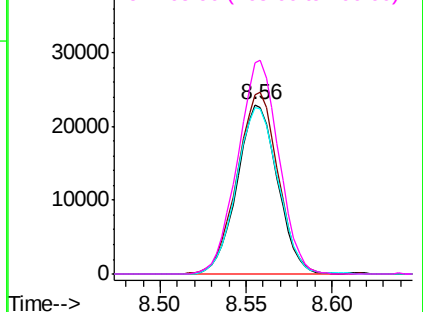


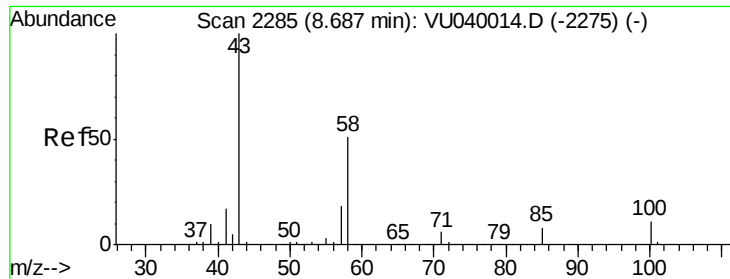
#47
 Tetrachloroethene
 Concen: 4.618 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion:	164	Resp:	37375
Ion	Ratio	Lower	Upper
164	100		
129	106.0	71.5	132.7
131	98.8	65.9	122.5
166	125.0	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040028.D (-2152) (-)

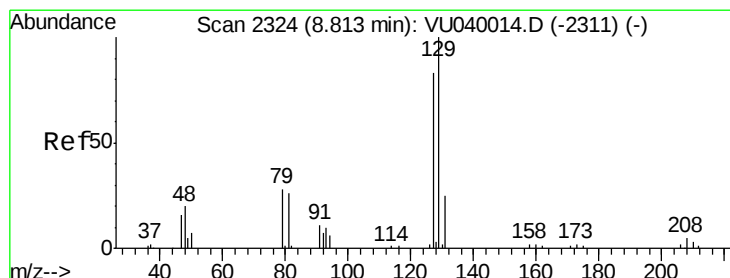
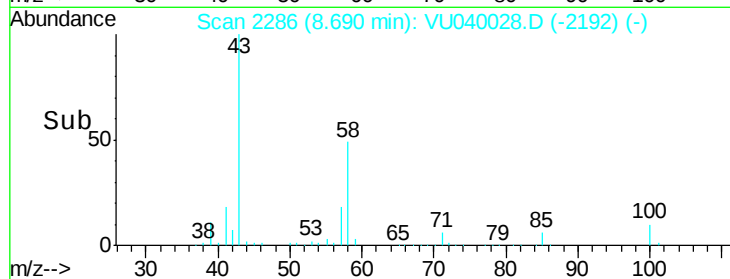
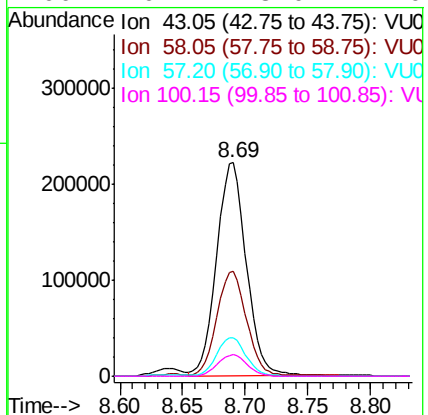
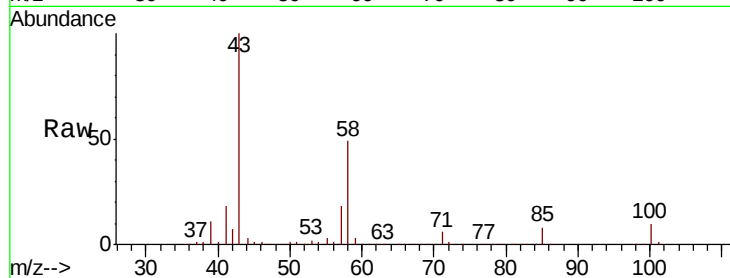




#48
2-Hexanone
Concen: 49.098 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040028.D
Acq: 03 Sep 2020 10:04

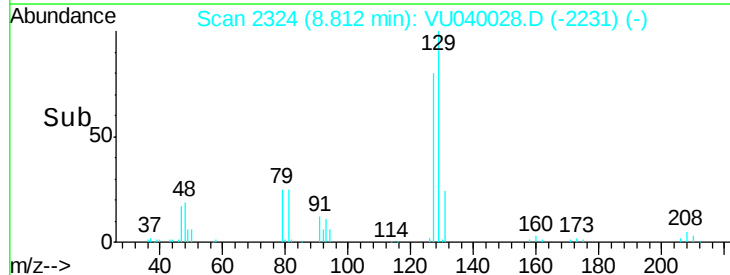
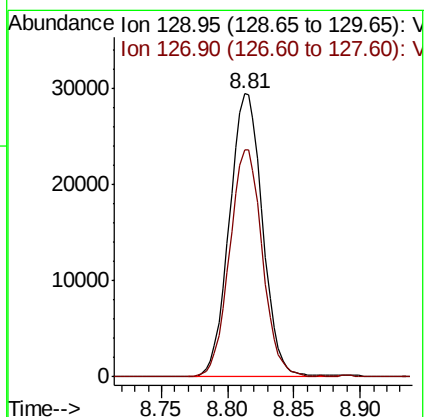
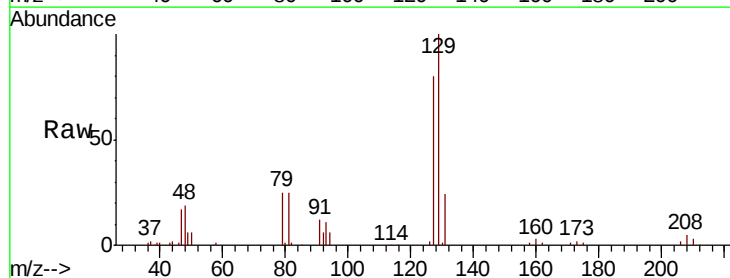
Instrument :
MSVOA_U
ClientSampleId :
BFB27

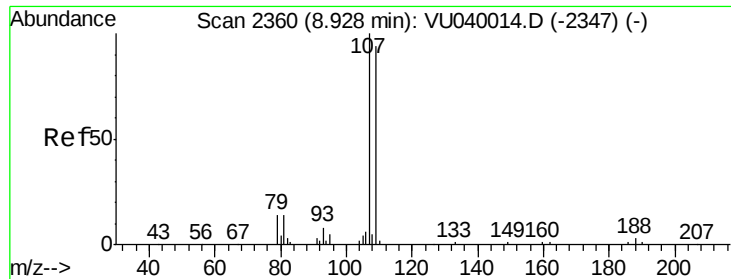
Tot Ion: 43 Resp: 365477
Ion Ratio Lower Upper
43 100
58 48.6 39.6 59.4
57 18.1 14.3 21.5
100 10.2 8.0 12.0



#49
Dibromochloromethane
Concen: 4.717 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040028.D
Acq: 03 Sep 2020 10:04

Tgt Ion: 129 Resp: 51303
Ion Ratio Lower Upper
129 100
127 80.3 53.7 99.7





#50

1,2-Dibromoethane

Concen: 4.817 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

BFB27

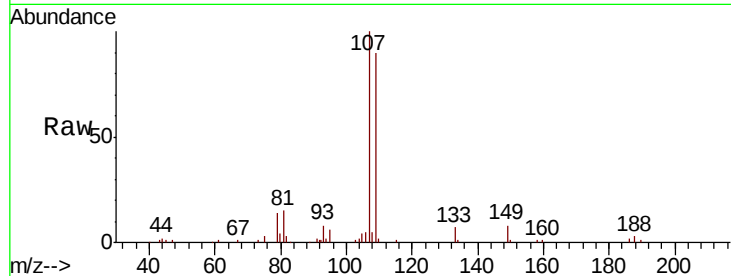
Tot Ion:107 Resp: 42080

Ion Ratio Lower Upper

107 100

109 90.4 62.4 115.8

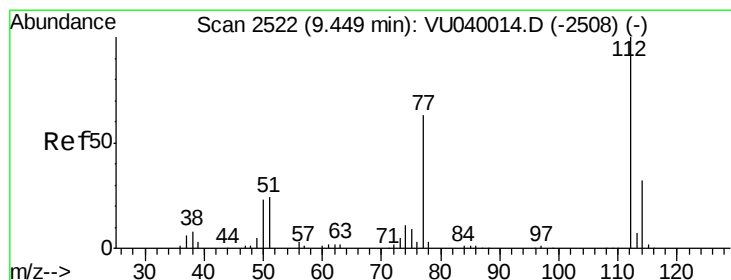
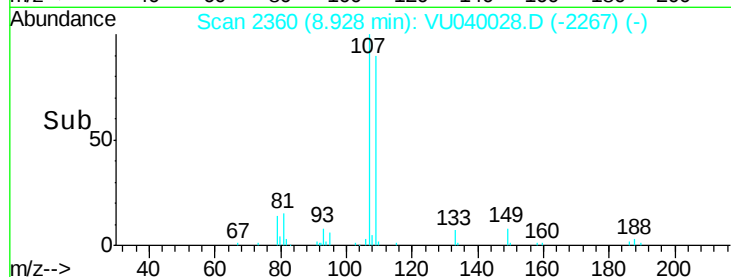
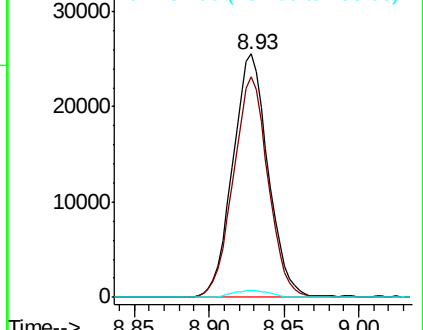
188 3.1 2.3 3.5



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.875 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

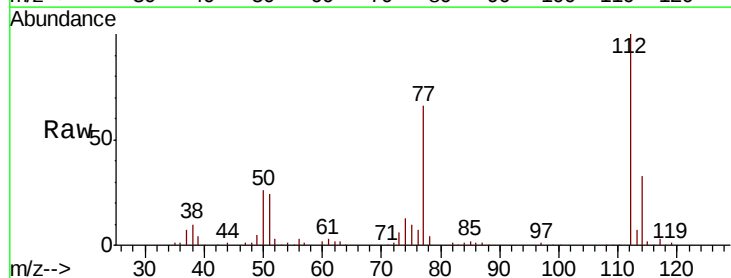
Tgt Ion:112 Resp: 143186

Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

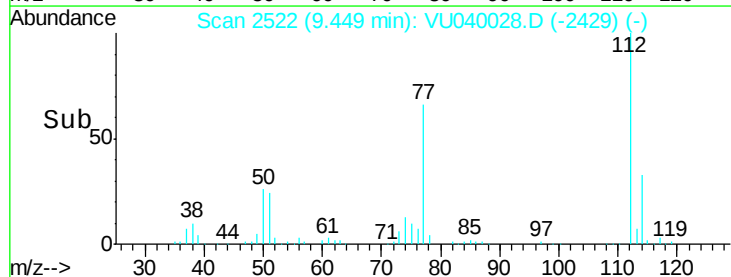
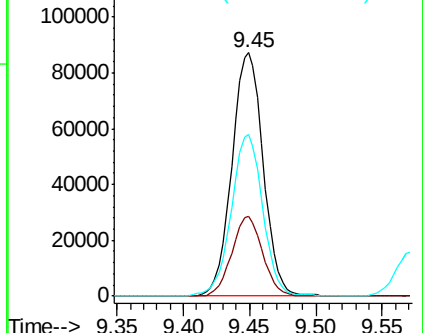
77 66.2 53.2 79.8

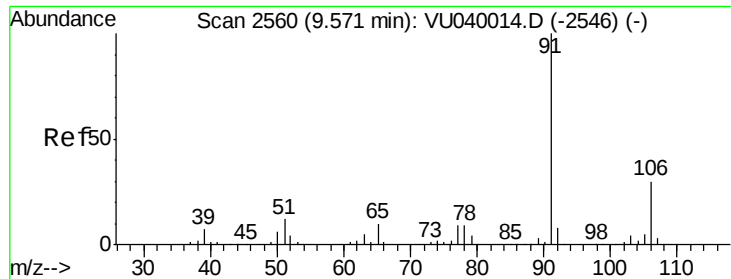


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

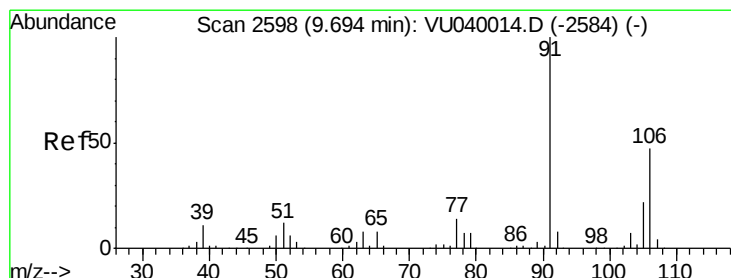
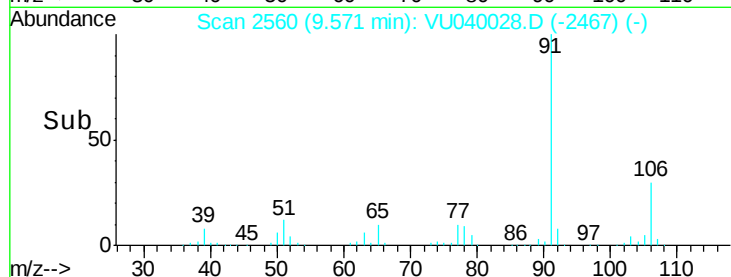
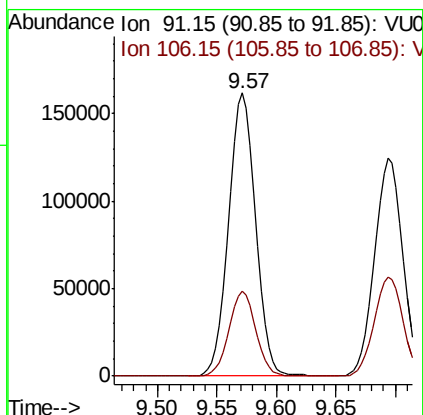
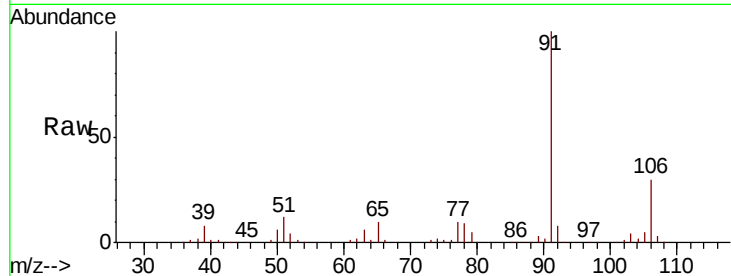




#52
Ethylbenzene
Concen: 4.746 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040028.D
Acq: 03 Sep 2020 10:04

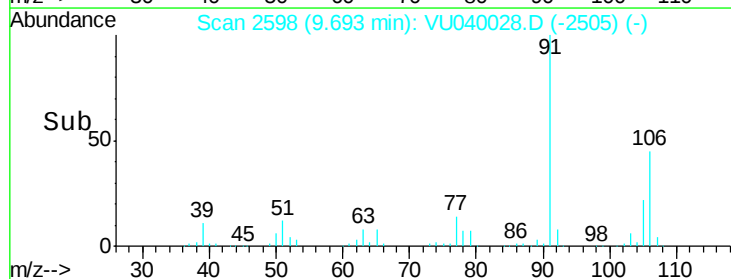
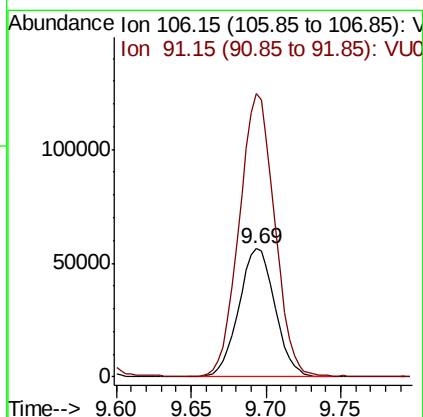
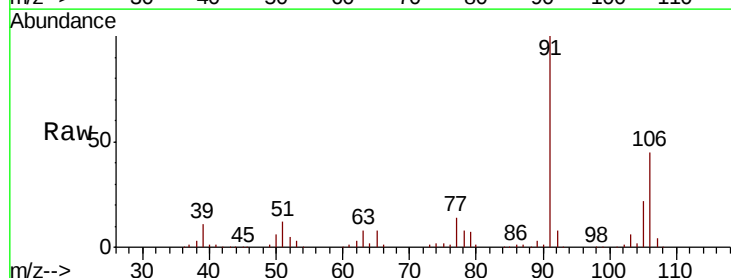
Instrument :
MSVOA_U
ClientSampleId :
BFB27

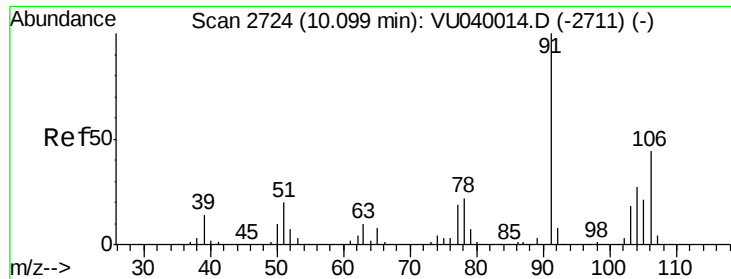
Tot Ion: 91 Resp: 255063
Ion Ratio Lower Upper
91 100
106 29.8 21.0 39.0



#53
m,p-Xylene
Concen: 4.980 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040028.D
Acq: 03 Sep 2020 10:04

Tgt Ion: 106 Resp: 95299
Ion Ratio Lower Upper
106 100
91 220.5 151.7 281.7





#54

o-Xylene

Concen: 5.007 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

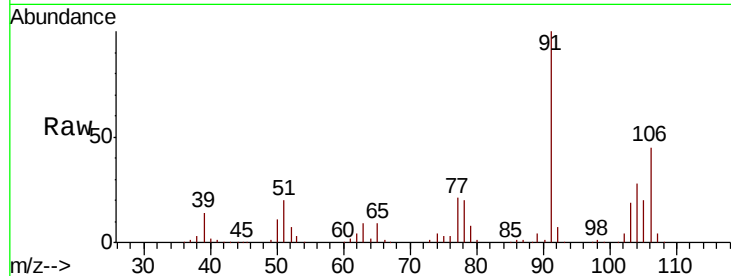
BFB27

Tot Ion:106 Resp: 91303

Ion Ratio Lower Upper

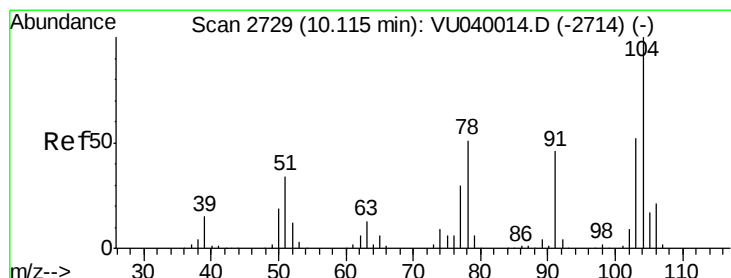
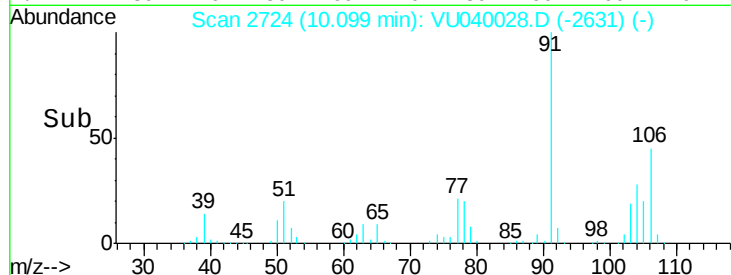
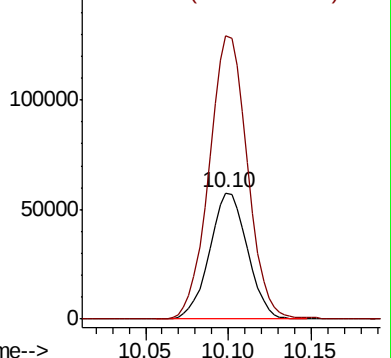
106 100

91 224.1 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.162 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040028.D

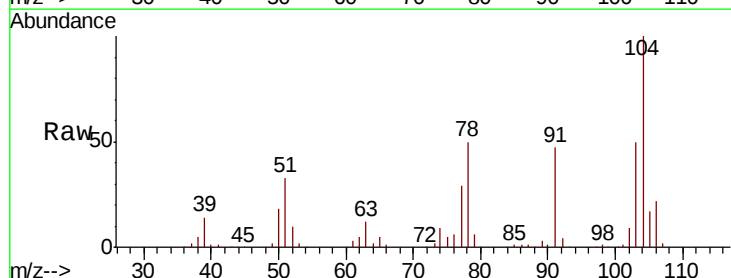
Acq: 03 Sep 2020 10:04

Tgt Ion:104 Resp: 163696

Ion Ratio Lower Upper

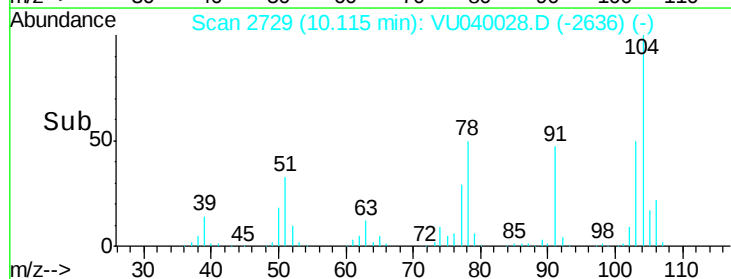
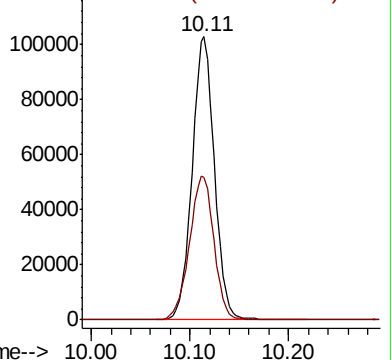
104 100

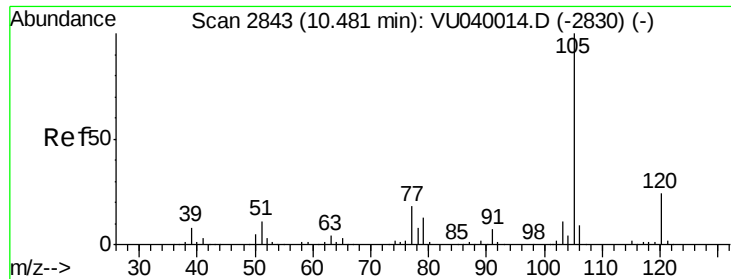
78 50.4 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.044 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

BFB27

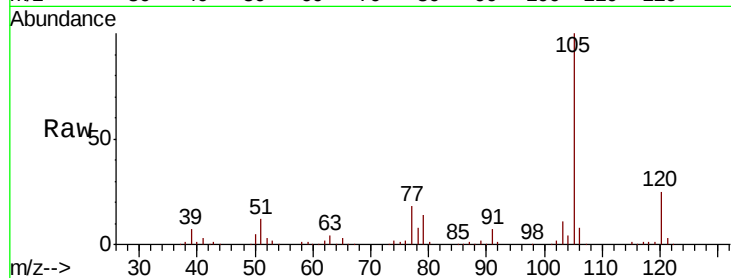
Tot Ion:105 Resp: 250845

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

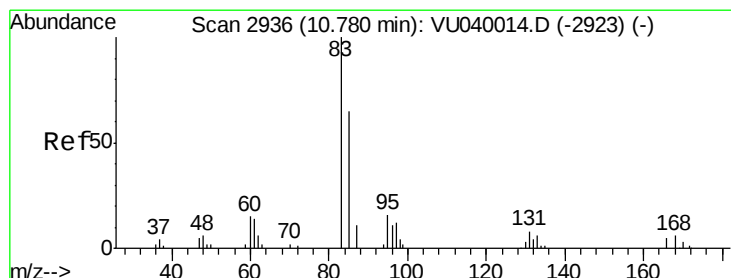
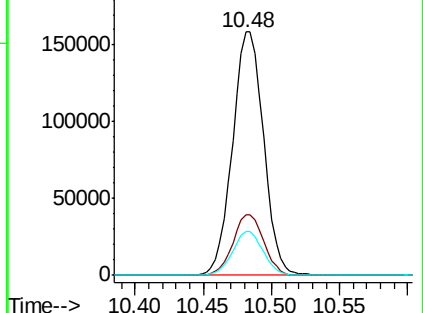
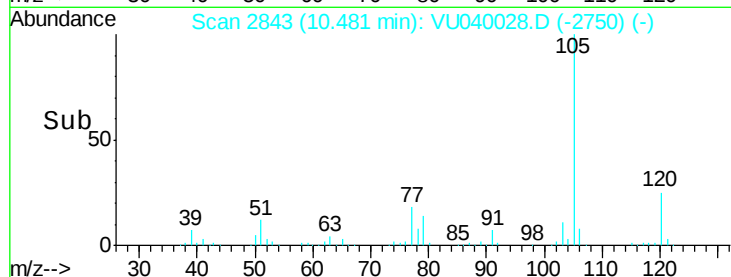
77 17.8 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.964 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

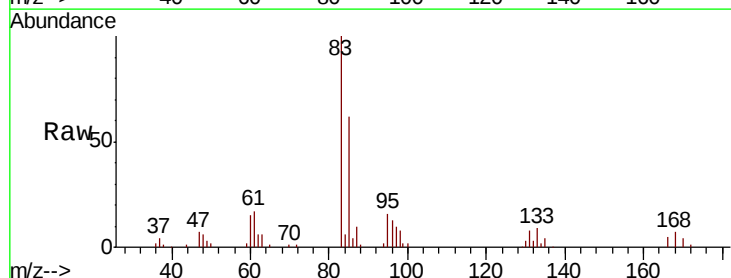
Tgt Ion: 83 Resp: 57672

Ion Ratio Lower Upper

83 100

85 61.8 44.9 83.3

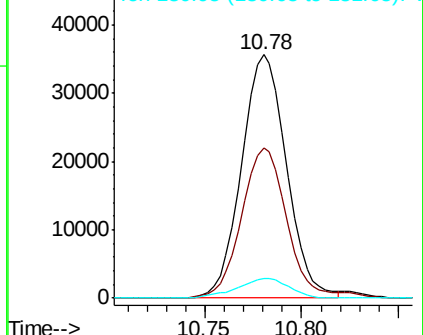
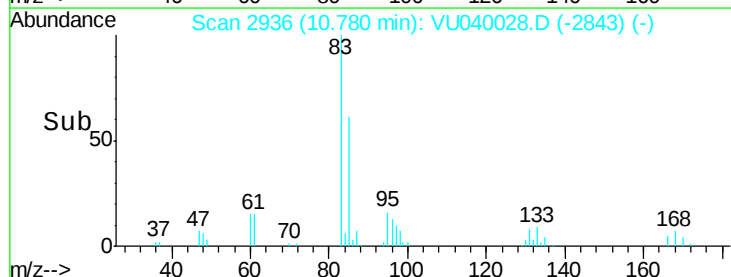
131 7.9 7.4 11.0

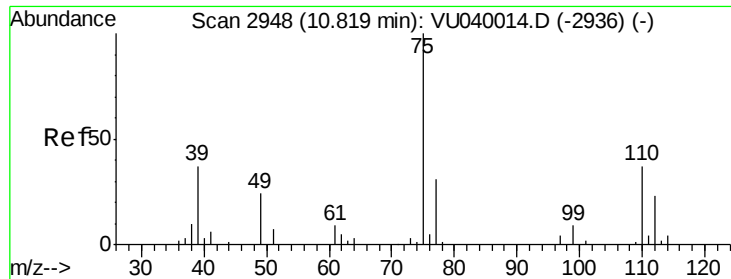


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

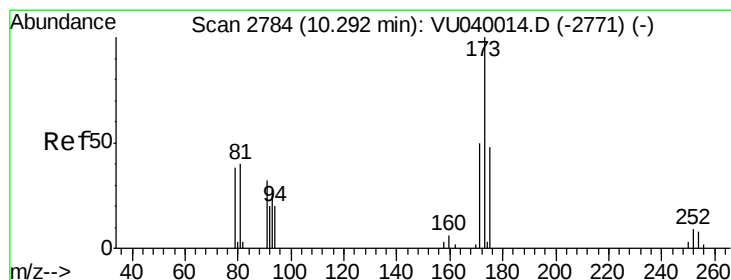
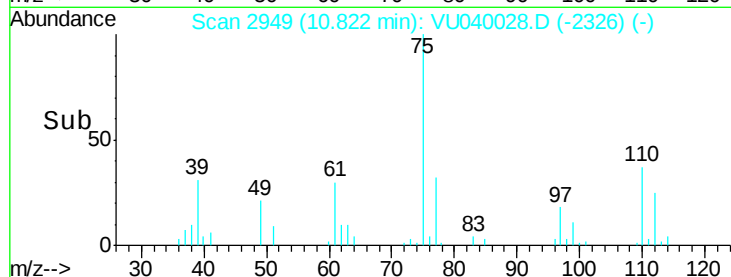
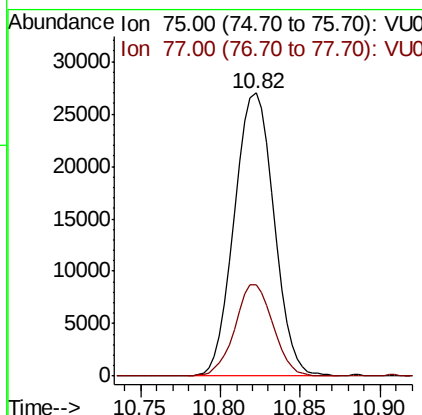
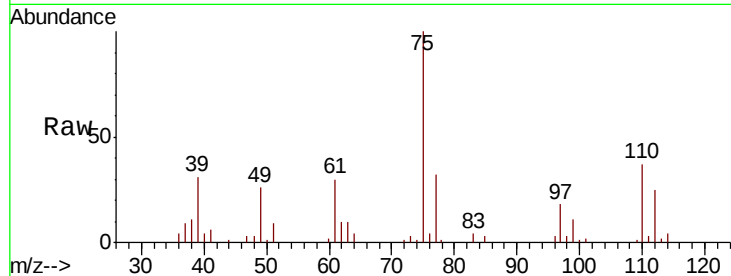




#59
 1,2,3-Trichloropropane
 Concen: 4.955 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

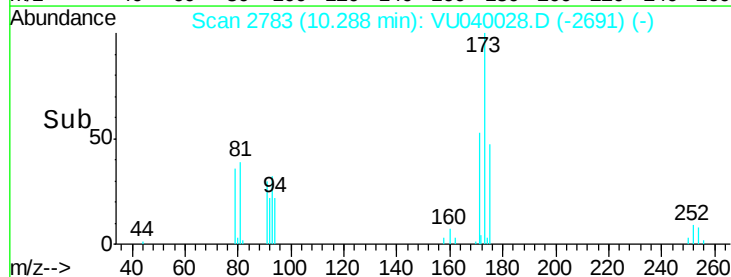
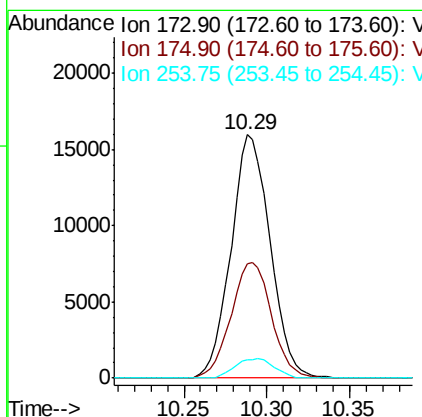
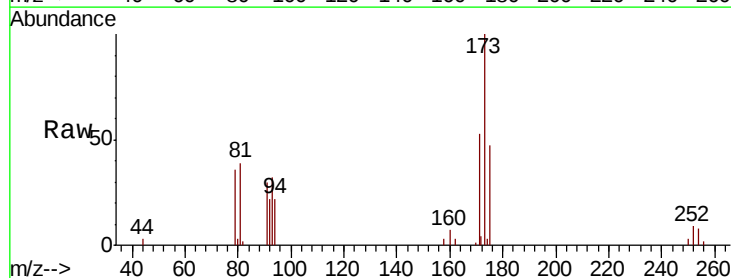
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

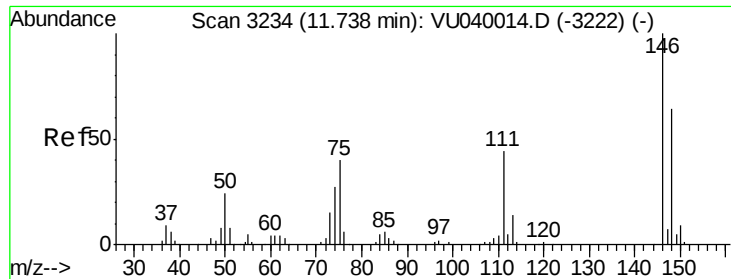
Tot Ion: 75 Resp: 45660
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.9 37.3



#61
 Bromoform
 Concen: 4.319 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion:173 Resp: 26202
 Ion Ratio Lower Upper
 173 100
 175 48.9 37.8 56.6
 254 7.9 6.8 10.2

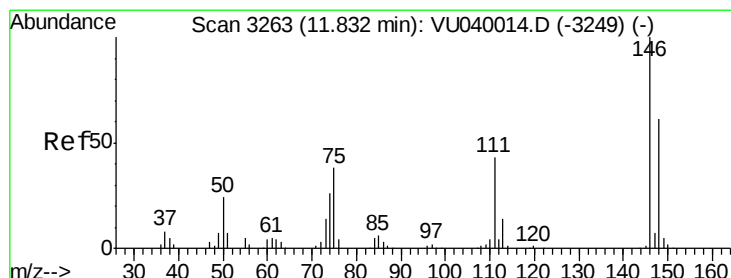
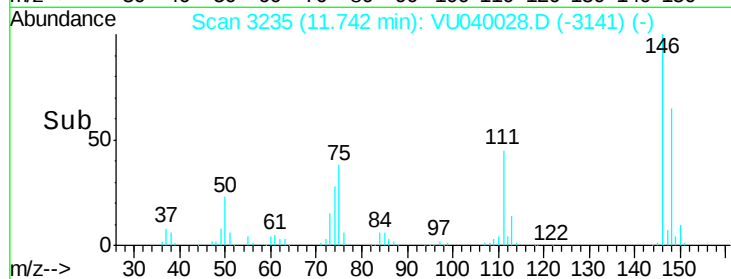
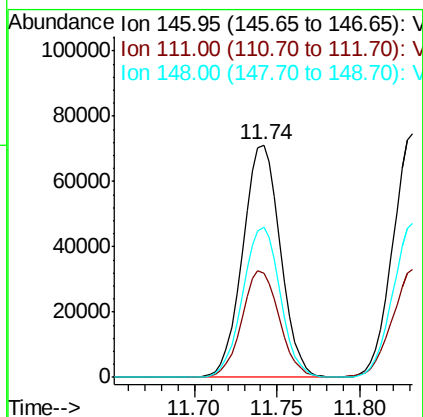
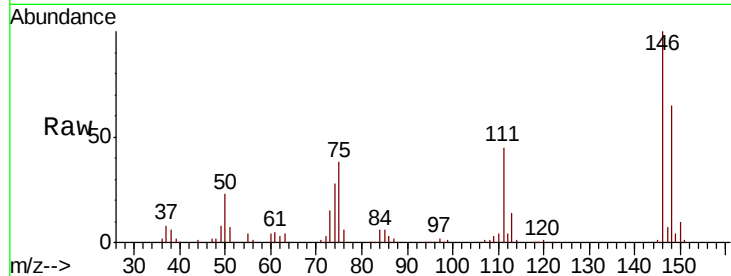




#62
 1,3-Dichlorobenzene
 Concen: 4.654 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

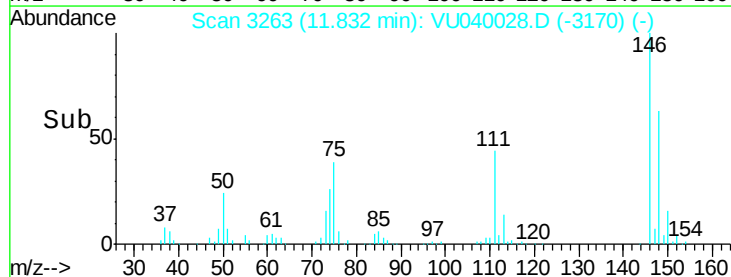
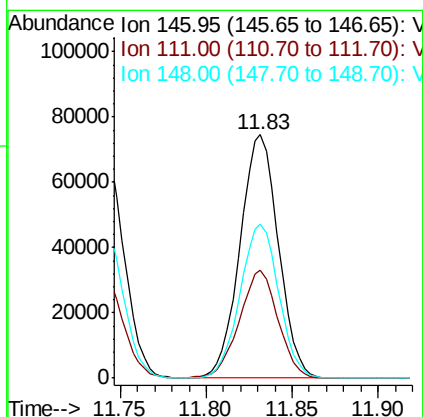
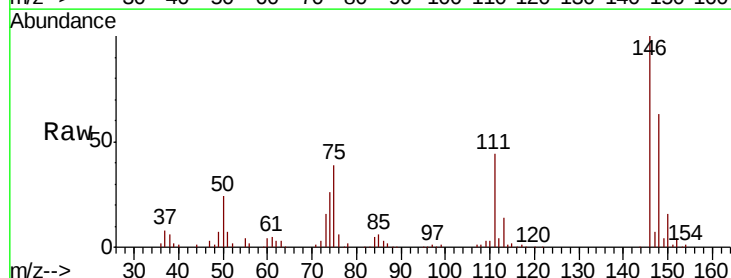
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

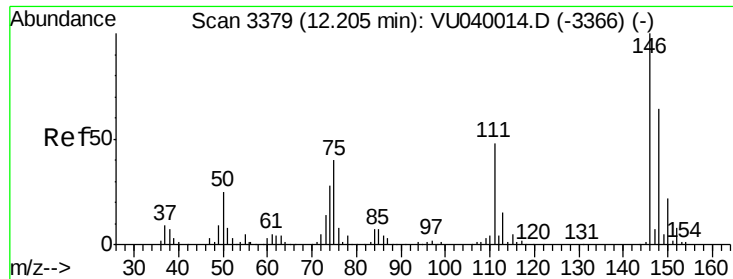
Tot Ion	146	Resp	112535
Ion Ratio	Lower	Upper	
146	100		
111	45.1	31.6	58.8
148	64.6	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.720 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion	146	Resp	115485
Ion Ratio	Lower	Upper	
146	100		
111	44.1	30.5	56.7
148	63.2	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 4.586 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampleId :

BFB27

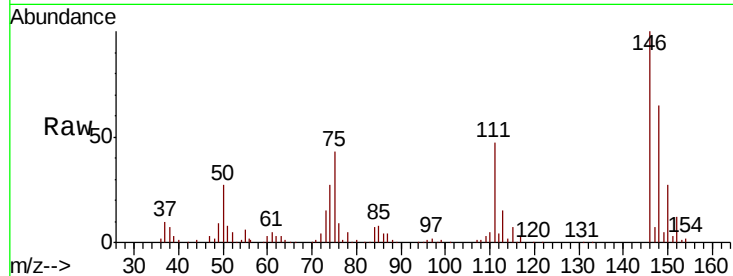
Tot Ion:146 Resp: 107278

Ion Ratio Lower Upper

146 100

111 47.2 36.5 54.7

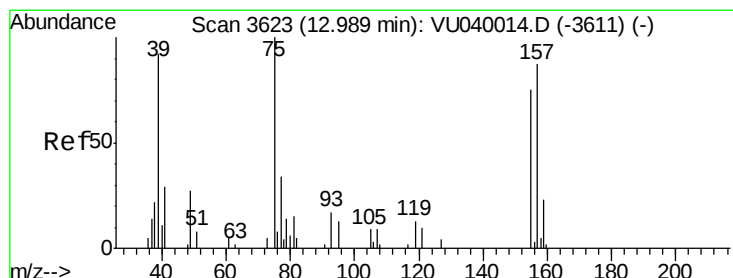
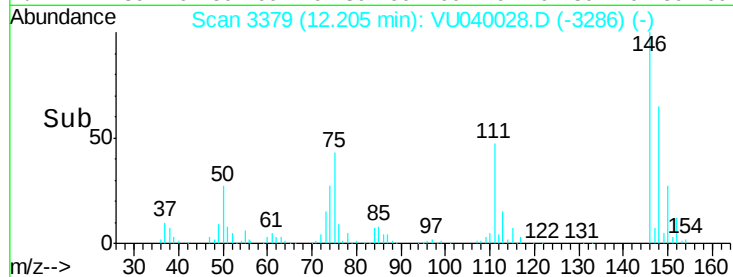
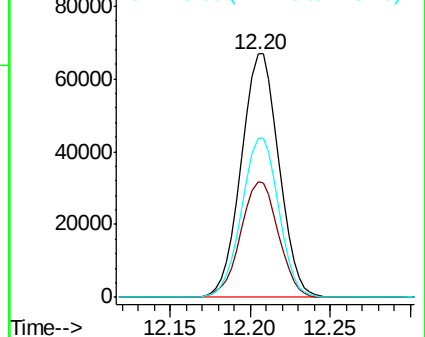
148 65.1 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.176 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

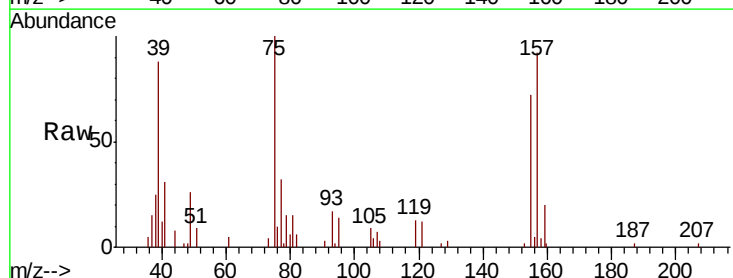
Tgt Ion: 75 Resp: 10449

Ion Ratio Lower Upper

75 100

155 71.8 54.6 82.0

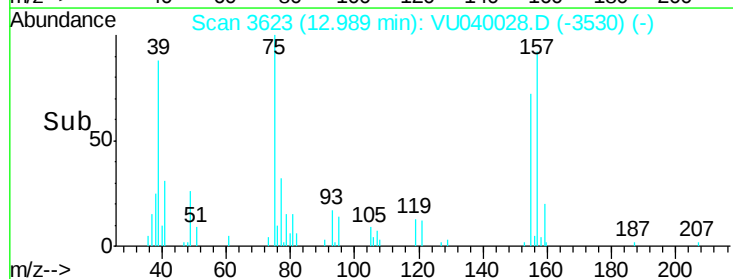
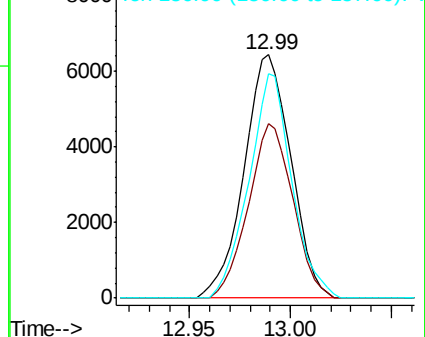
157 92.1 75.6 113.4

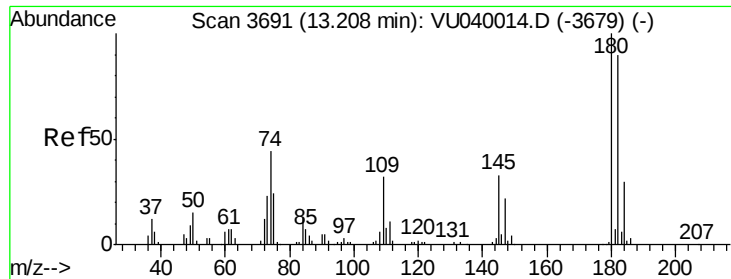


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

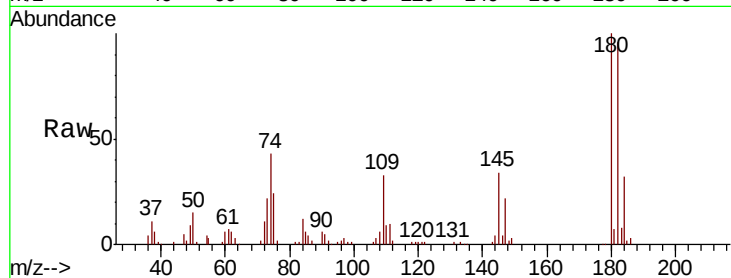




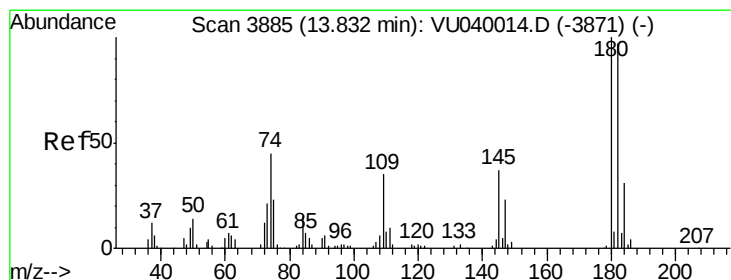
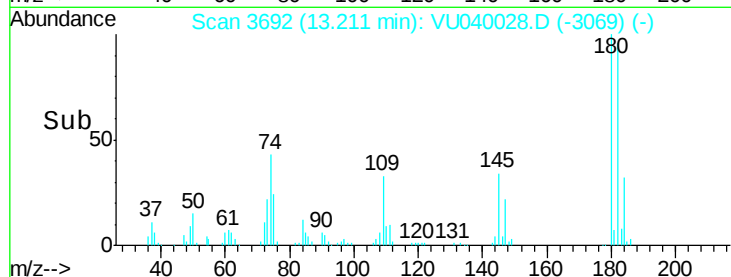
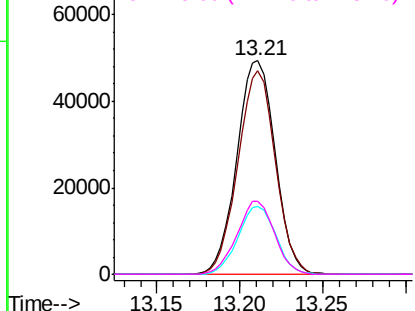
#67
 1,3,5-Trichlorobenzene
 Concen: 4.669 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

Tot Ion:180	Resp:	79383
Ion	Ratio	Lower Upper
180	100	
182	92.9	76.9 115.3
184	31.3	24.6 36.8
145	33.4	27.0 40.6

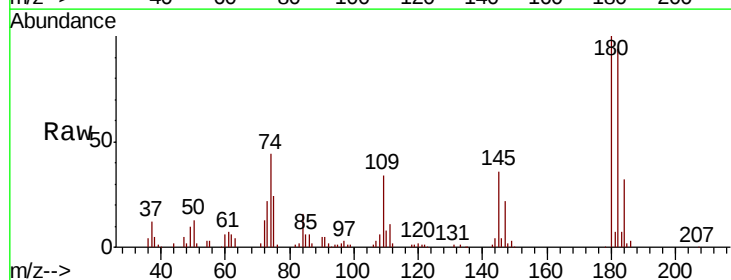


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

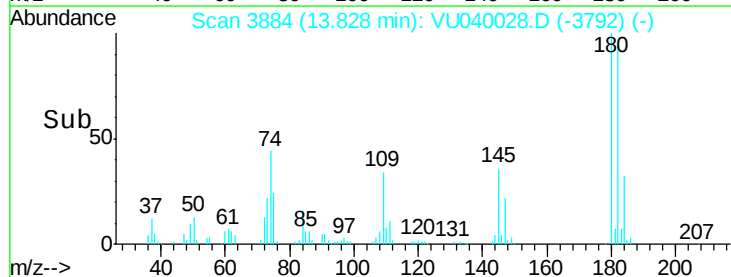
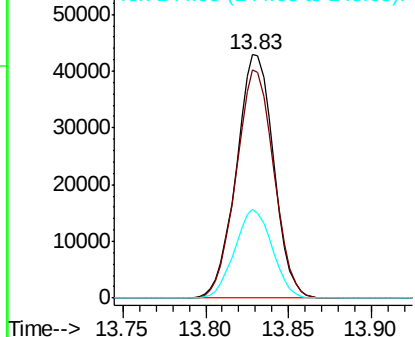


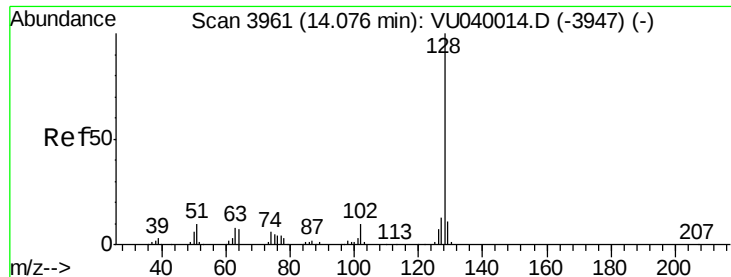
#68
 1,2,4-trichlorobenzene
 Concen: 4.579 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040028.D
 Acq: 03 Sep 2020 10:04

Tgt Ion:180	Resp:	67047
Ion	Ratio	Lower Upper
180	100	
182	94.7	76.0 114.0
145	36.5	28.4 42.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.299 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

Instrument :

MSVOA_U

ClientSampled :

BFB27

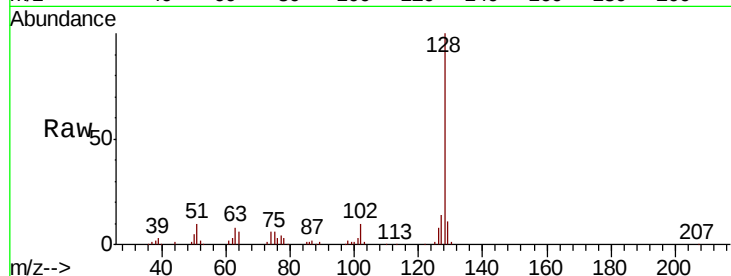
Tot Ion:128 Resp: 131211

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

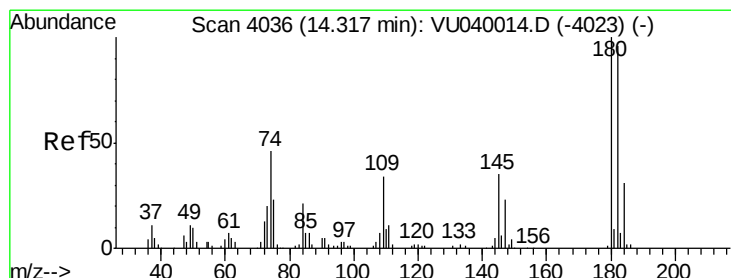
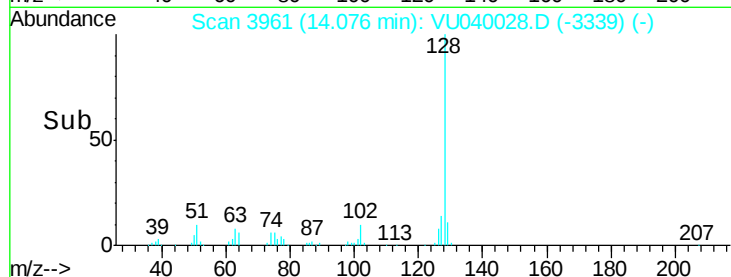
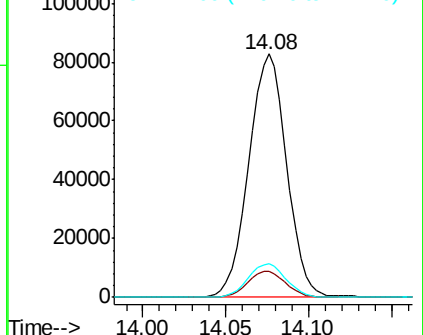
127 13.9 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.484 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040028.D

Acq: 03 Sep 2020 10:04

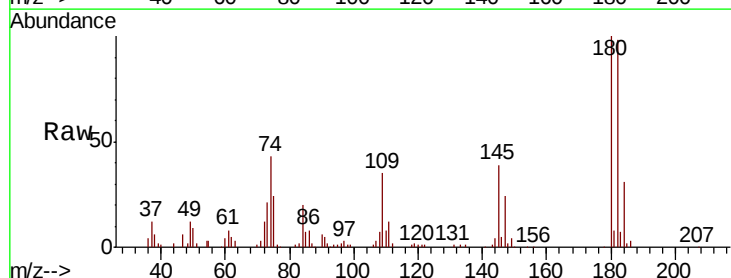
Tgt Ion:180 Resp: 60311

Ion Ratio Lower Upper

180 100

182 97.3 77.8 116.6

145 38.9 28.7 43.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

