

Data File : VU031860.D
Acq On : 09 May 2019 08:11
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: May 09 08:42:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 09 06:57:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	421444	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	431971	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187541	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	127448	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.68	69	115035	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.27	63	274422	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	4.20	46	561663	50.08	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.16%
24) Chloroform-d	4.64	84	278736	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.31	65	151839	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.33	84	505035	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.33	67	179616	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.56	98	425425	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.85	79	59511	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.31	63	379015	52.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	155277	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	149226	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	199851	4.119 ug/L	99
3) Chloromethane	1.32	50	253287	4.380 ug/L	99
5) Vinyl chloride	1.40	62	238690	4.722 ug/L	100
6) Bromomethane	1.63	94	118842	5.122 ug/L	99
8) Chloroethane	1.70	64	148766	5.344 ug/L	97
9) Trichlorofluoromethane	1.88	101	270947	4.635 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	150539	4.948 ug/L	94
12) 1,1-Dichloroethene	2.28	96	148392	5.180 ug/L	90
13) Acetone	2.34	43	372742	48.666 ug/L	93
14) Carbon disulfide	2.47	76	486789	4.827 ug/L	98
15) Methyl Acetate	2.62	43	98434	4.981 ug/L	95
16) Methylene chloride	2.69	84	181451	4.565 ug/L	93
17) Methyl tert-butyl Ether	3.00	73	433797	5.083 ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	155999	5.052 ug/L	88
19) 1,1-Dichloroethane	3.44	63	360482	4.747 ug/L	98
21) 2-Butanone	4.29	43	618364	48.313 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	179832	4.849 ug/L	89

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ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: May 09 08:42:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 09 06:57:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	75837	5.096	ug/L	90
25) Chloroform	4.67	83	332882	4.454	ug/L	99
27) 1,2-Dichloroethane	5.40	62	217508	4.410	ug/L #	94
29) 1,1,1-Trichloroethane	4.91	97	264369	4.465	ug/L	99
30) Cyclohexane	4.98	56	298284	4.601	ug/L	99
31) Carbon tetrachloride	5.13	117	228457	4.532	ug/L	99
33) Benzene	5.38	78	736683	4.891	ug/L	100
34) Trichloroethene	6.18	95	175997	4.634	ug/L	95
35) Methylcyclohexane	6.41	83	246630	4.522	ug/L	95
37) 1,2-Dichloropropane	6.43	63	204611	4.747	ug/L	99
38) Bromodichloromethane	6.75	83	237744	4.631	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	233165	4.317	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1440308	49.650	ug/L	97
42) Toluene	7.63	91	748637	5.034	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	185844	4.344	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	129666	5.077	ug/L	97
47) Tetrachloroethene	8.22	164	118712	4.808	ug/L	99
48) 2-Hexanone	8.36	43	1063921	51.601	ug/L	98
49) Dibromochloromethane	8.47	129	143764	4.840	ug/L	100
50) 1,2-Dibromoethane	8.58	107	118832	5.113	ug/L #	92
51) Chlorobenzene	9.12	112	431731	4.884	ug/L	97
52) Ethylbenzene	9.25	91	754210	4.861	ug/L	97
53) m,p-Xylene	9.37	106	274659	4.974	ug/L	100
54) o-Xylene	9.77	106	273718	5.183	ug/L	97
55) Styrene	9.79	104	482690	5.326	ug/L	97
56) Isopropylbenzene	10.16	105	706066	4.994	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	173280	5.080	ug/L #	97
59) 1,2,3-Trichloropropane	10.49	75	124114	4.864	ug/L	99
61) Bromoform	9.95	173	77542	5.168	ug/L	96
62) 1,3-Dichlorobenzene	11.41	146	300124	5.039	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	303785	5.029	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	303582	5.225	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25929	4.747	ug/L #	70
67) 1,3,5-Trichlorobenzene	12.88	180	216602	4.787	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	173109	5.179	ug/L	97
69) Naphthalene	13.74	128	308393	5.379	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	175795	5.650	ug/L	99

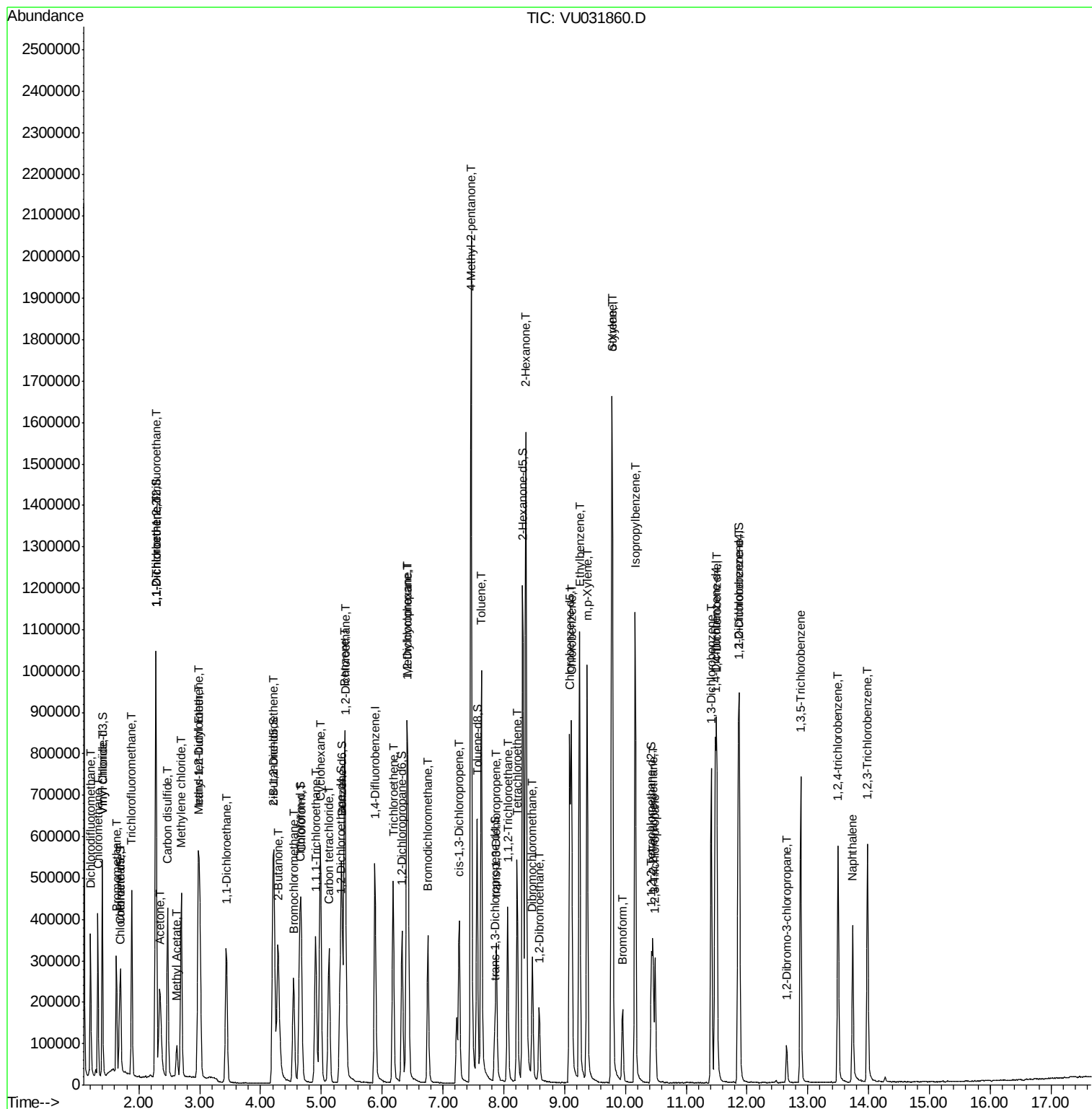
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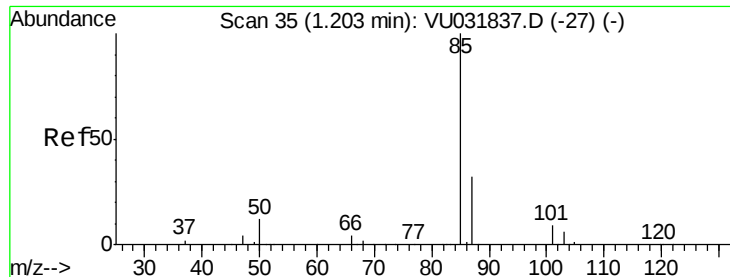
Data File : VU031860.D

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Acq On       : 09 May 2019   08:11
Operator     : JC/SP
Sample       : VSTDCCC005
Misc         : 25.0mL/MSVOA_U/WATER
ALS Vial     : 54      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: May 09 08:42:50 2019
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#2

Dichlorodifluoromethane

Concen: 4.119 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

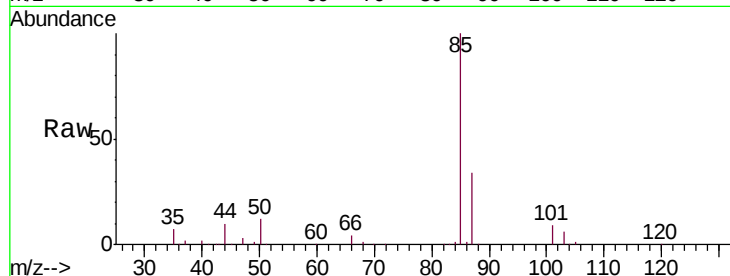
VSTD00525

Tgt Ion: 85 Resp: 199851

Ion Ratio Lower Upper

85 100

87 33.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU031837.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031837.D (-27) (-)

1.21

200000

150000

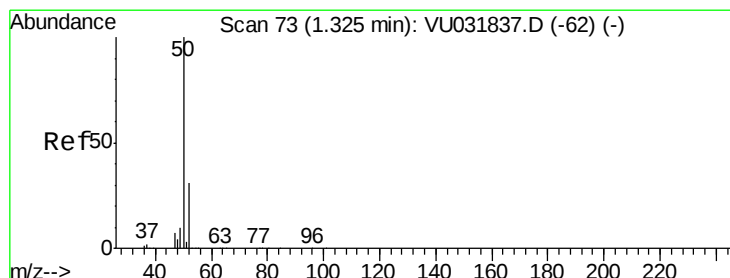
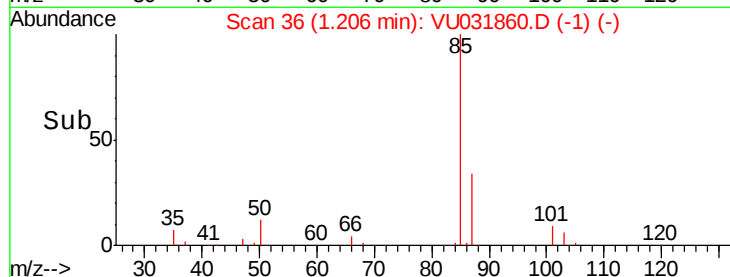
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 4.380 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031860.D

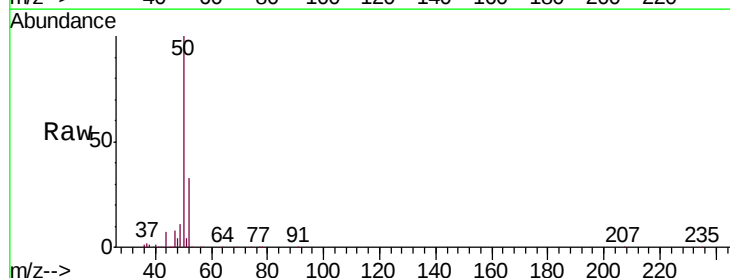
Acq: 09 May 2019 08:11

Tgt Ion: 50 Resp: 253287

Ion Ratio Lower Upper

50 100

52 32.6 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU031837.D (-62) (-)

Ion 52.05 (51.75 to 52.75): VU031837.D (-62) (-)

1.32

250000

200000

150000

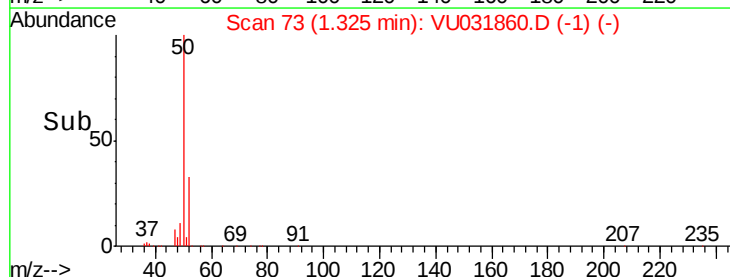
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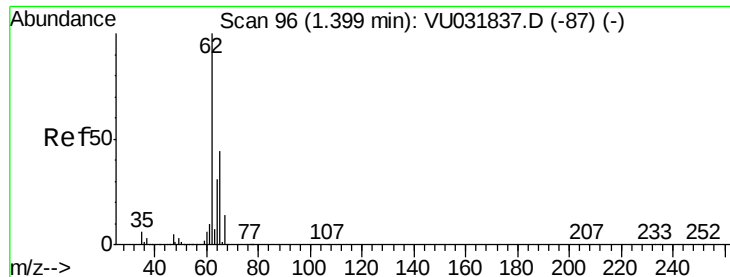
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 4.722 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

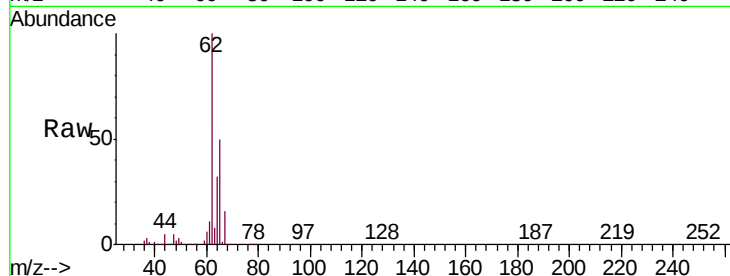
VSTD00525

Tgt Ion: 62 Resp: 238690

Ion Ratio Lower Upper

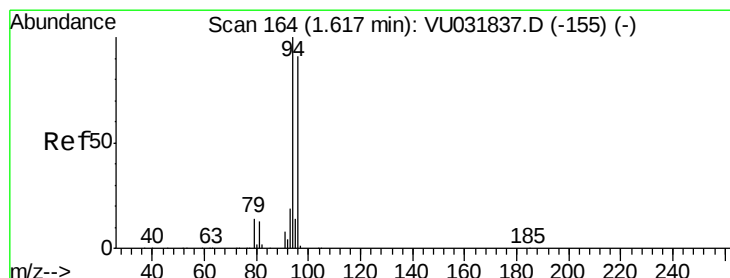
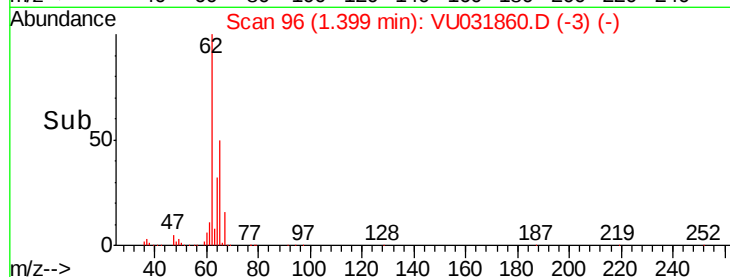
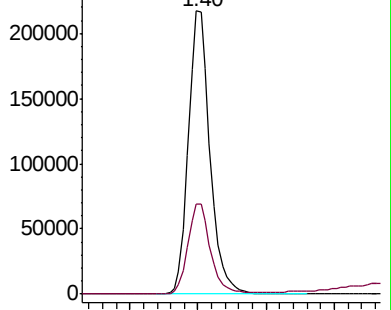
62 100

64 31.9 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU031837.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU031860.D (-3) (-)



#6

Bromomethane

Concen: 5.122 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU031860.D

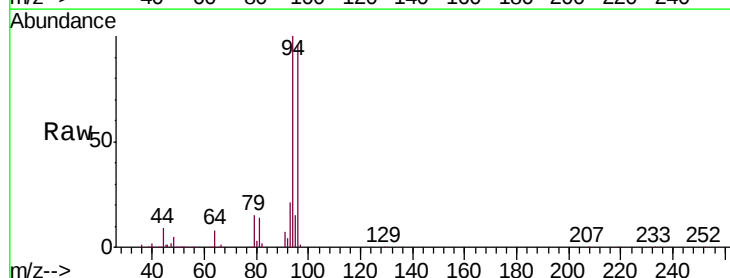
Acq: 09 May 2019 08:11

Tgt Ion: 94 Resp: 118842

Ion Ratio Lower Upper

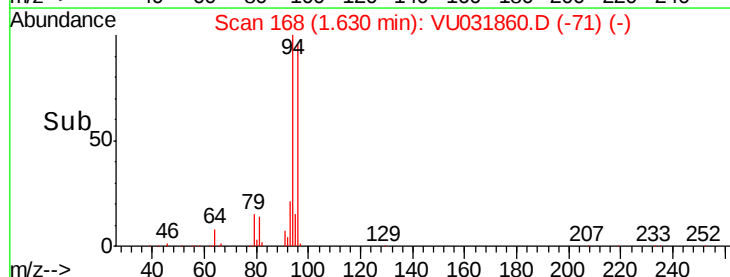
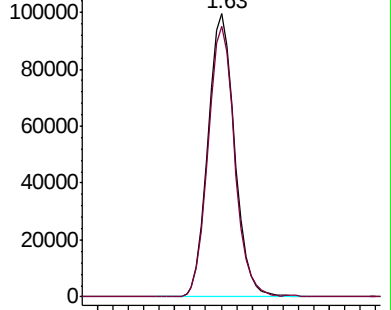
94 100

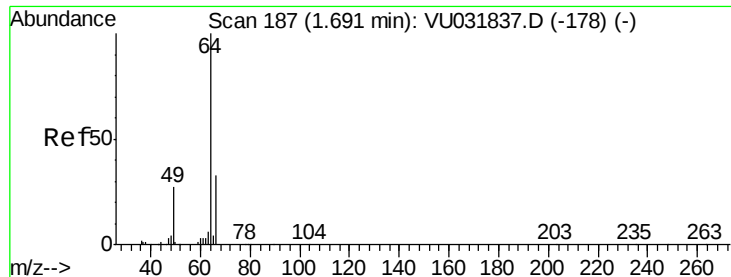
96 95.8 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU031837.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU031860.D (-71) (-)





#8

Chloroethane

Concen: 5.344 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

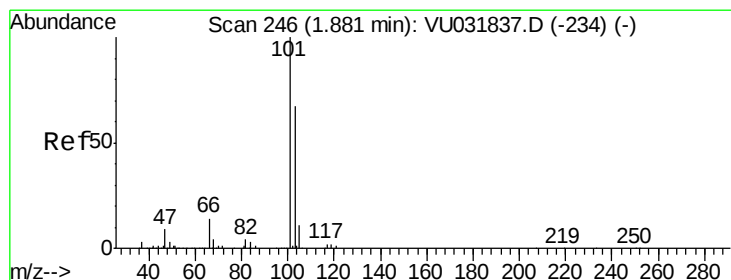
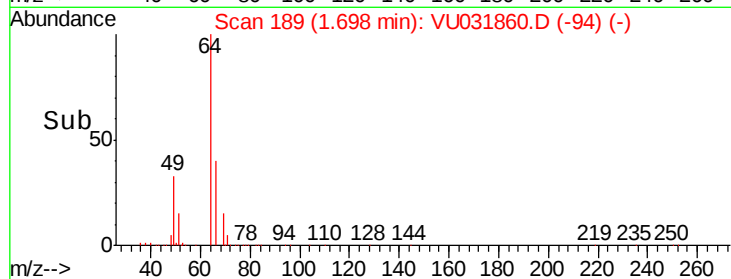
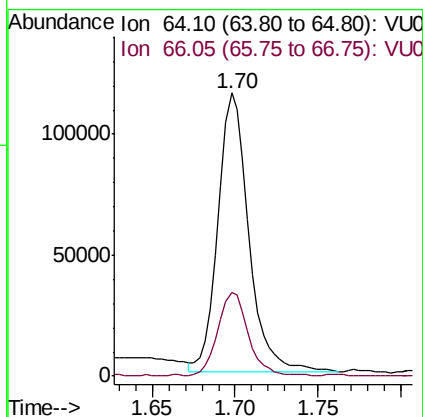
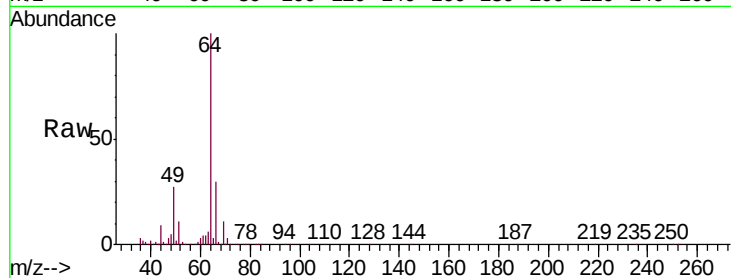
VSTD00525

Tgt Ion: 64 Resp: 148766

Ion Ratio Lower Upper

64 100

66 29.8 21.9 40.7



#9

Trichlorofluoromethane

Concen: 4.635 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031860.D

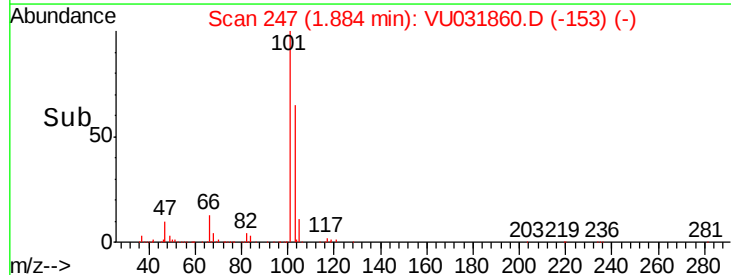
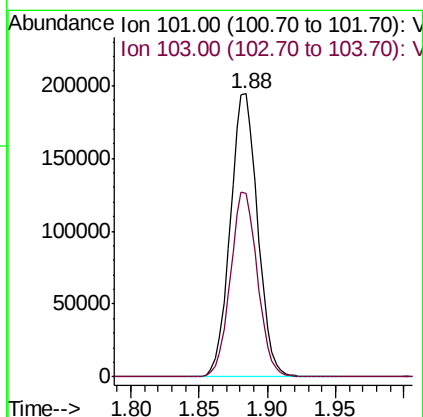
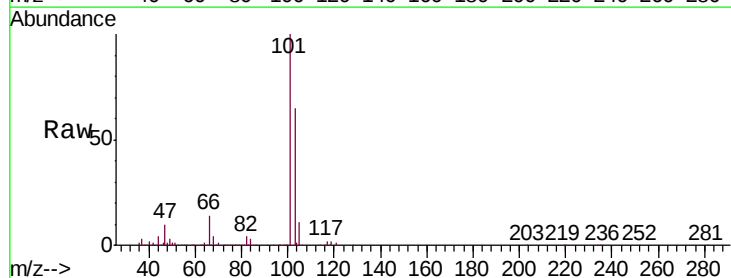
Acq: 09 May 2019 08:11

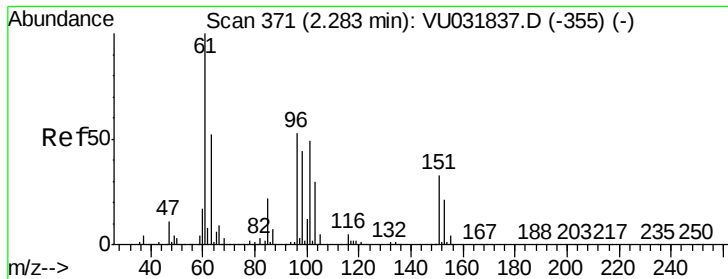
Tgt Ion: 101 Resp: 270947

Ion Ratio Lower Upper

101 100

103 64.4 52.1 78.1





#10

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

Concen: 4.948 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

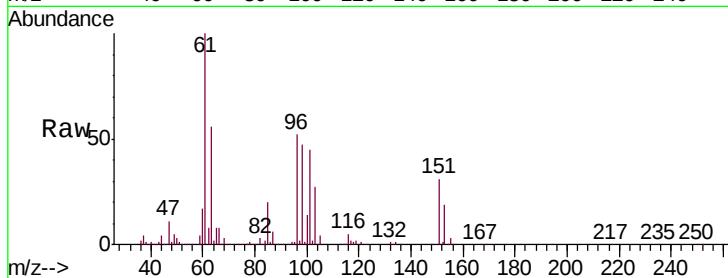
Tgt Ion: 101 Resp: 150539

Ion Ratio Lower Upper

101 100

85 43.3 40.0 60.0

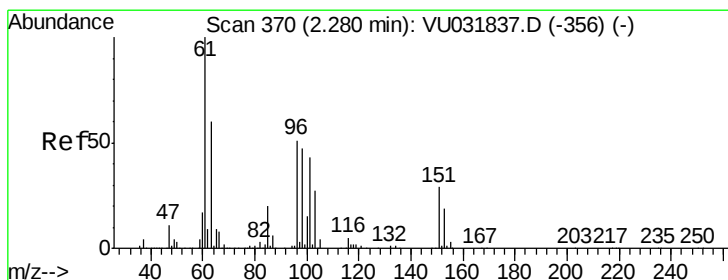
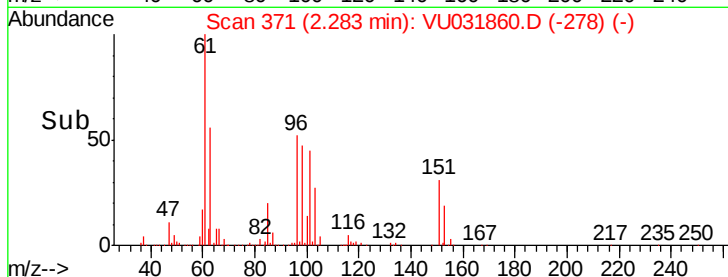
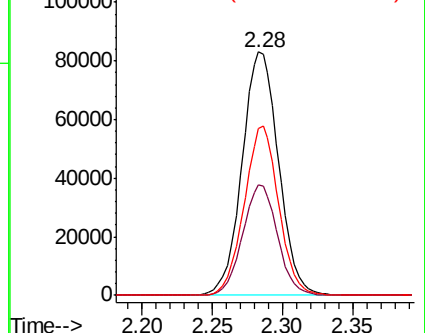
151 65.7 54.6 82.0



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: 5.180 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

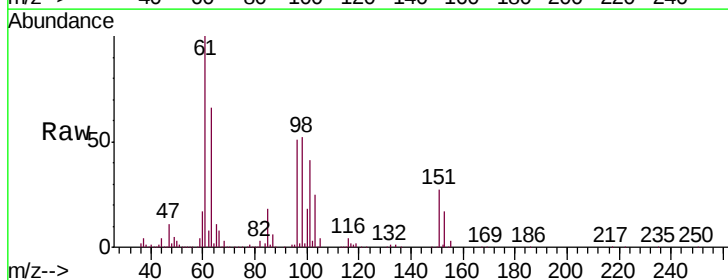
Tgt Ion: 96 Resp: 148392

Ion Ratio Lower Upper

96 100

61 197.5 149.0 276.6

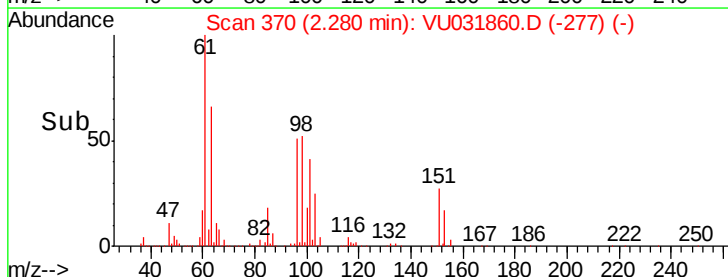
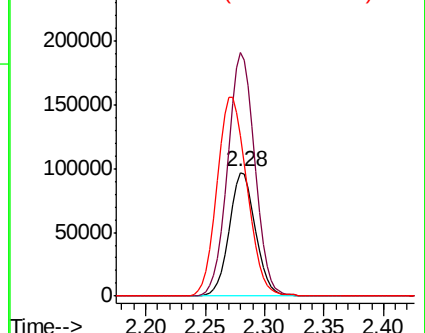
63 130.2 99.8 185.4

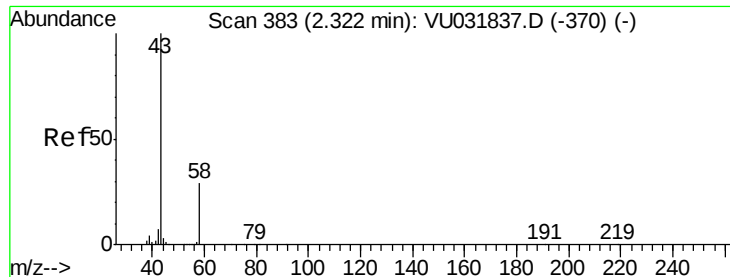


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.666 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

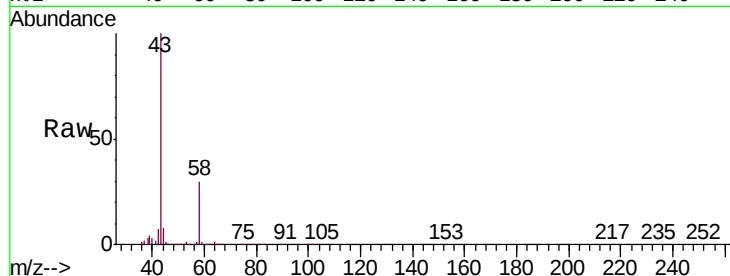
VSTD00525

Tgt Ion: 43 Resp: 372742

Ion Ratio Lower Upper

43 100

58 30.5 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU031837.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU031837.D (-370) (-)

2.34

150000

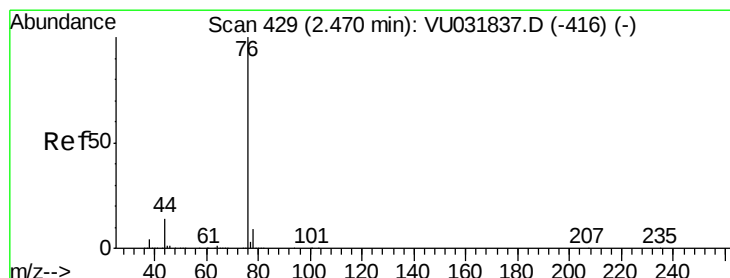
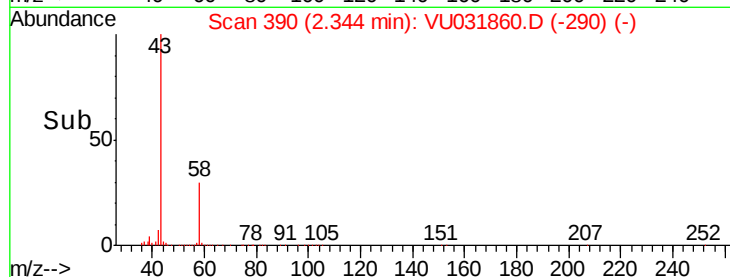
100000

50000

0

2.30 2.34 2.40 2.50

Time-->



#14

Carbon disulfide

Concen: 4.827 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031860.D

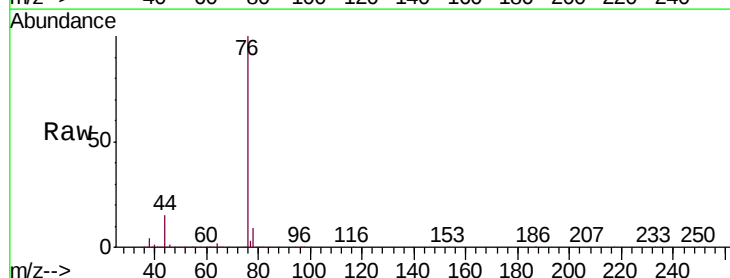
Acq: 09 May 2019 08:11

Tgt Ion: 76 Resp: 486789

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU031837.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031837.D (-416) (-)

2.47

300000

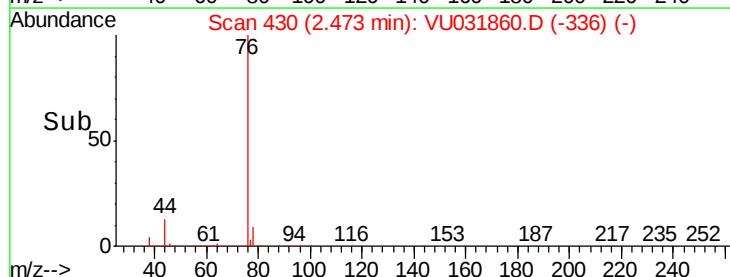
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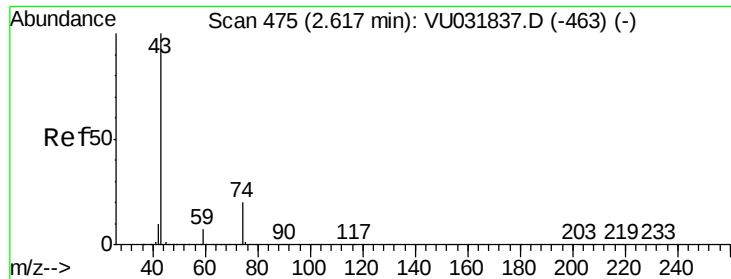
100000

0

2.40 2.45 2.50 2.55 2.60

Time-->

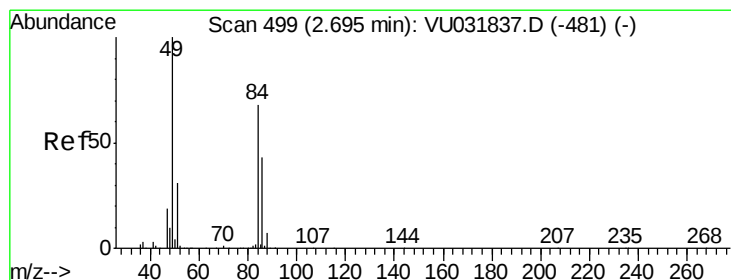
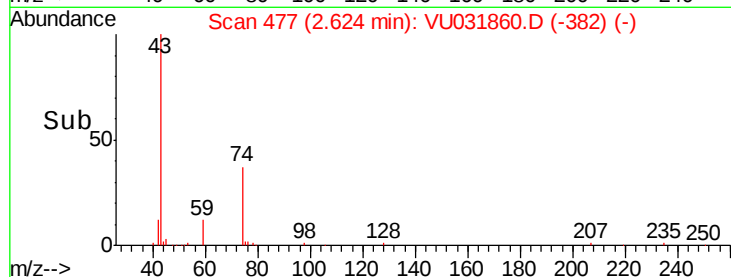
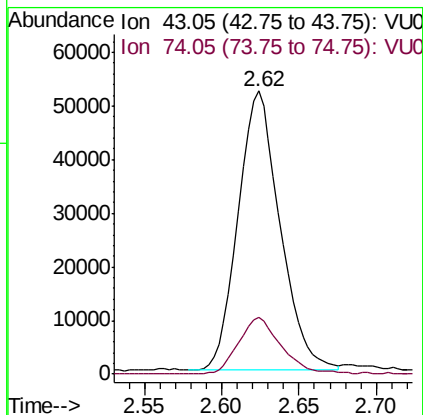
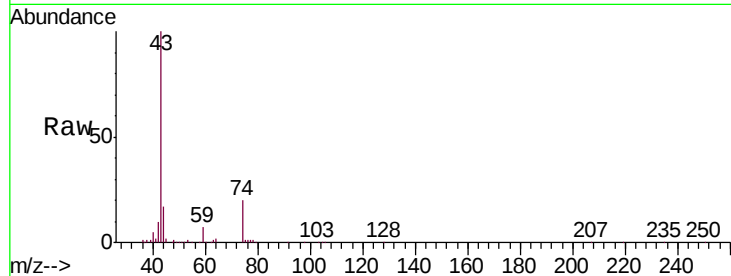




#15
Methyl Acetate
Concen: 4.981 ug/L
RT: 2.62 min Scan# 477
Delta R.T. 0.01 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

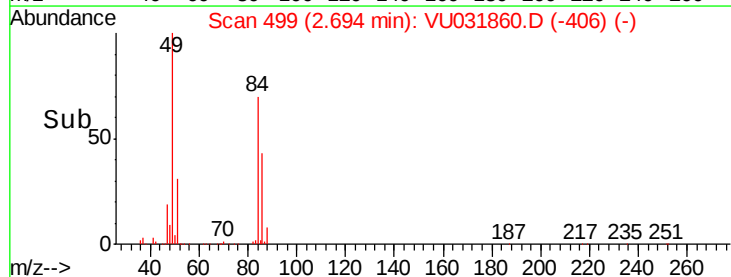
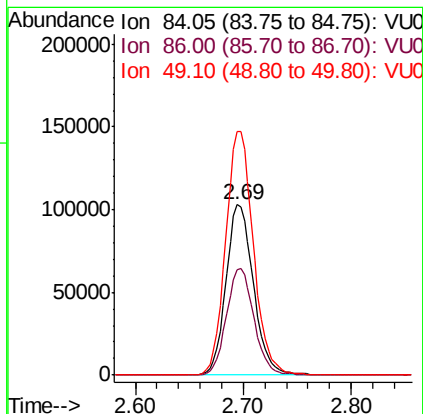
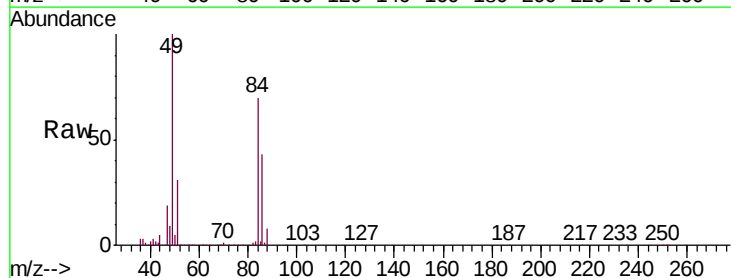
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

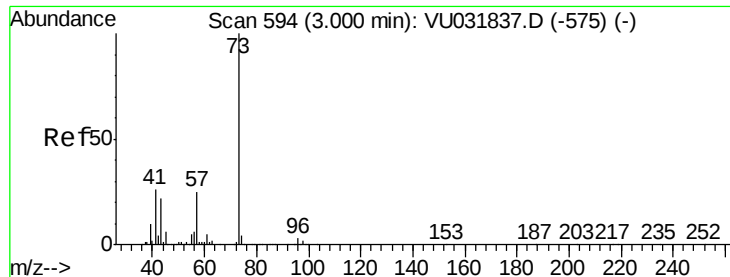
Tgt Ion: 43 Resp: 98434
Ion Ratio Lower Upper
43 100
74 20.7 14.7 22.1



#16
Methylene chloride
Concen: 4.565 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Tgt Ion: 84 Resp: 181451
Ion Ratio Lower Upper
84 100
86 61.5 45.6 84.8
49 142.8 106.7 198.1



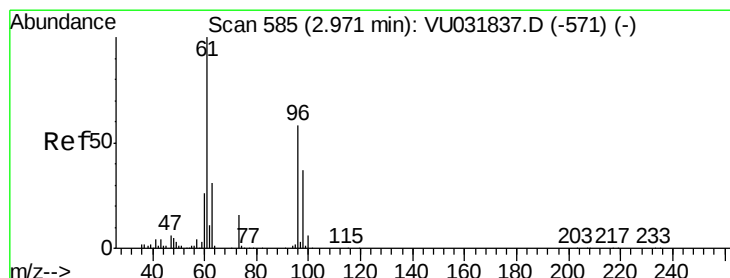
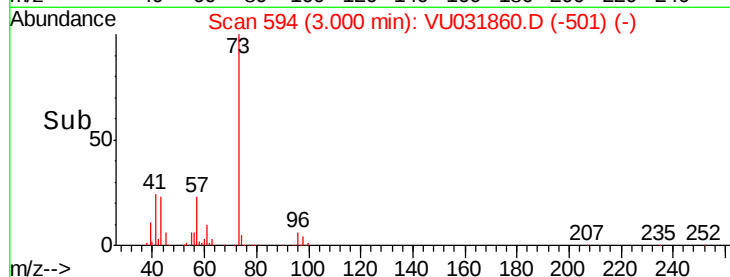
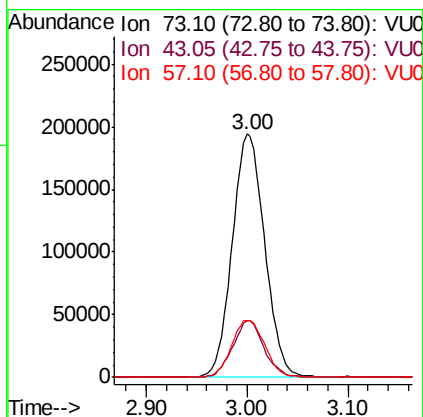
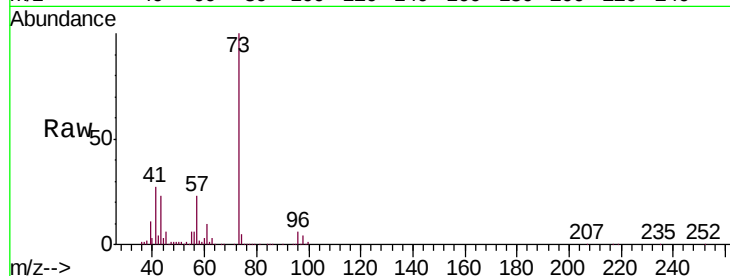


#17

Methyl tert-butyl Ether
 Concen: 5.083 ug/L
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

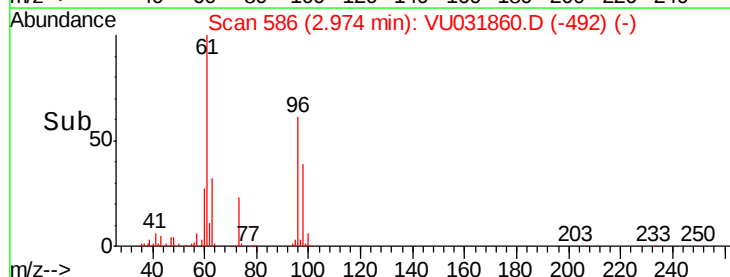
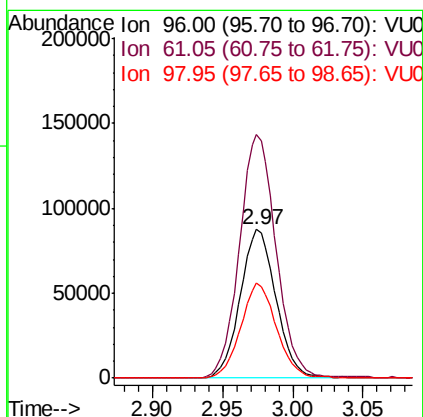
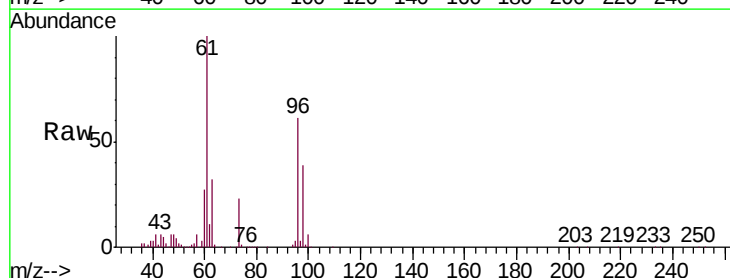
Tgt Ion:	73	Resp:	433797
Ion	Ratio	Lower	Upper
73	100		
43	22.1	20.5	30.7
57	23.9	19.9	29.9

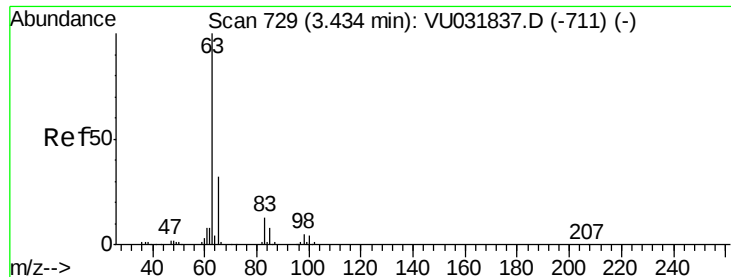


#18

trans-1,2-Dichloroethene
 Concen: 5.052 ug/L
 RT: 2.97 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion:	96	Resp:	155999
Ion	Ratio	Lower	Upper
96	100		
61	164.0	130.9	243.1
98	63.7	46.2	85.8

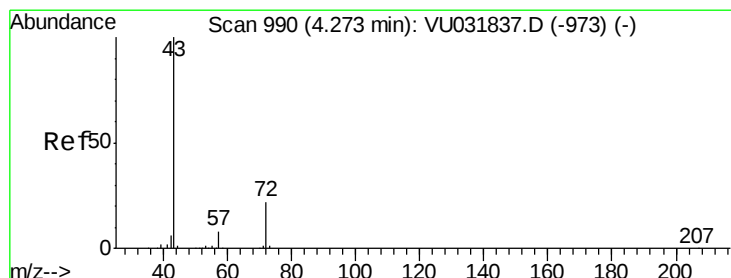
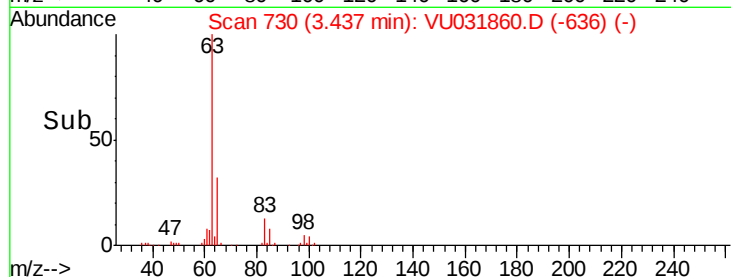
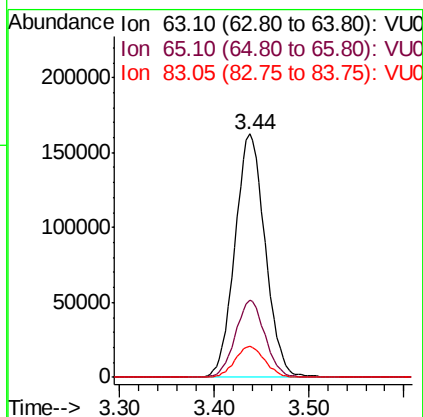
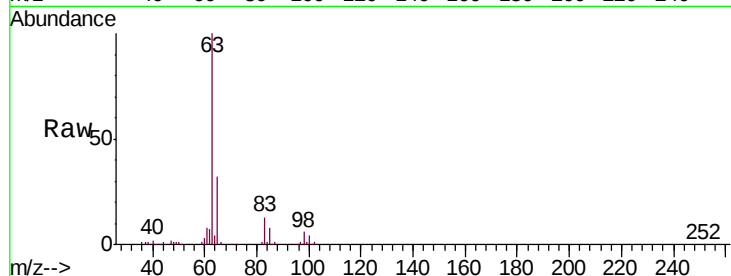




#19
 1,1-Dichloroethane
 Concen: 4.747 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

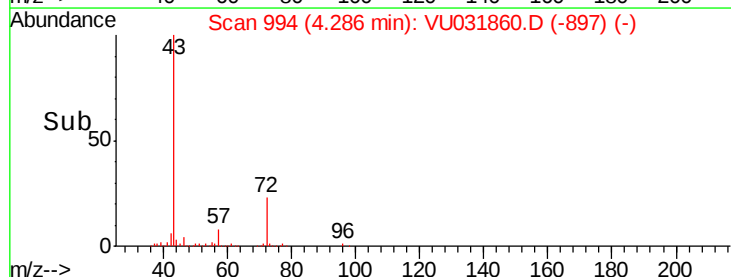
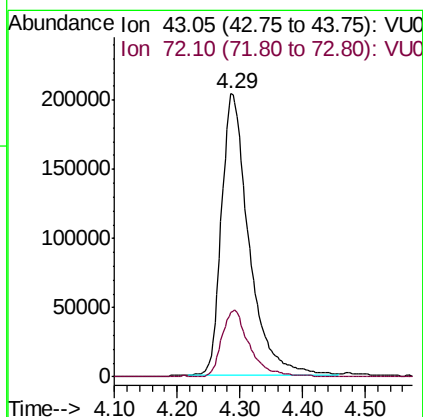
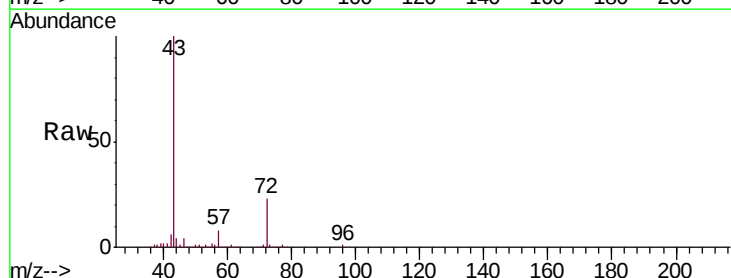
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

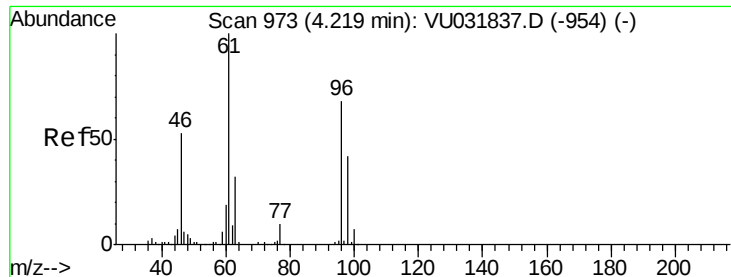
Tgt Ion: 63 Resp: 360482
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.8 40.4
 83 12.6 7.9 14.7



#21
 2-Butanone
 Concen: 48.313 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion: 43 Resp: 618364
 Ion Ratio Lower Upper
 43 100
 72 23.1 10.4 31.1



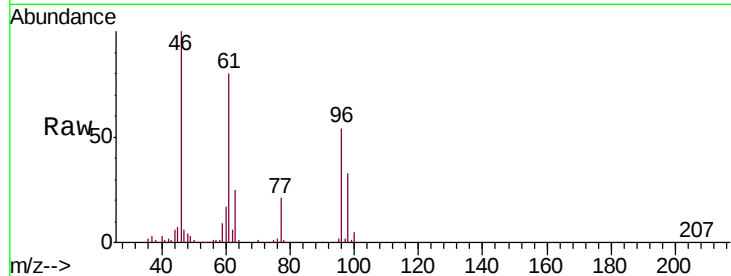


#22

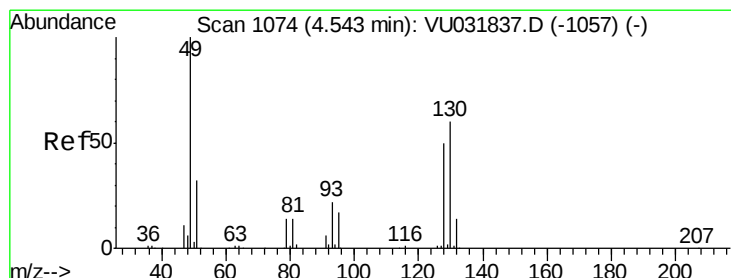
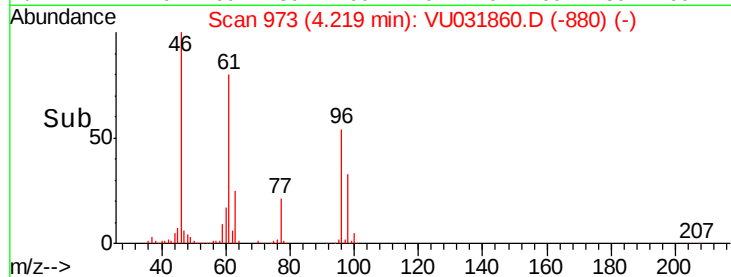
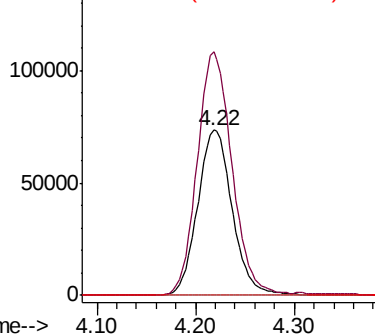
cis-1,2-Dichloroethene
Concen: 4.849 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion: 96 Resp: 179832
Ion Ratio Lower Upper
96 100
61 147.3 113.3 210.5
68 0.0 0.0 0.0



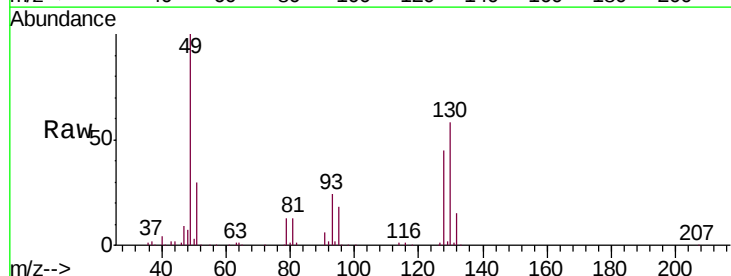
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



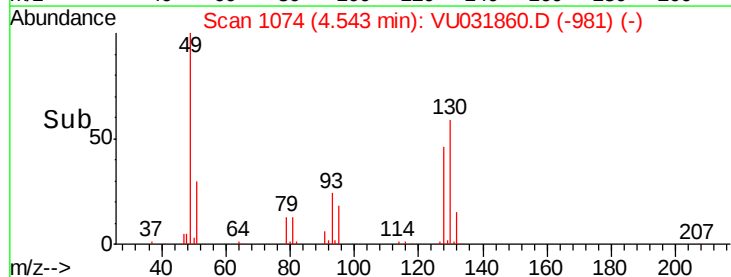
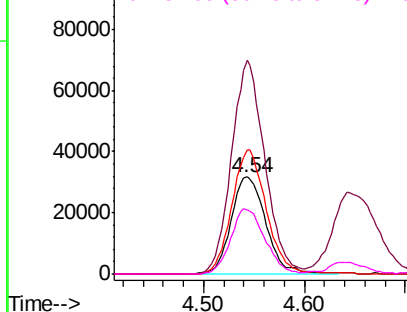
#23

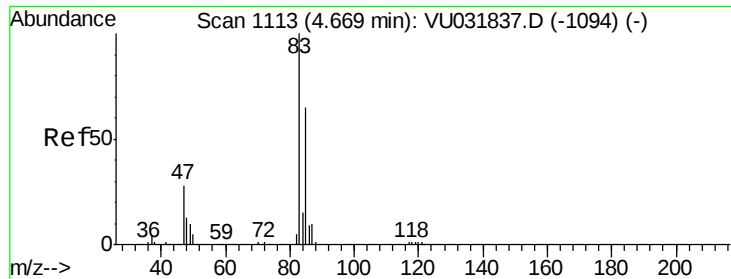
Bromochloromethane
Concen: 5.096 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Tgt Ion: 128 Resp: 75837
Ion Ratio Lower Upper
128 100
49 220.2 168.8 313.4
130 128.2 93.0 172.8
51 66.2 61.3 91.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

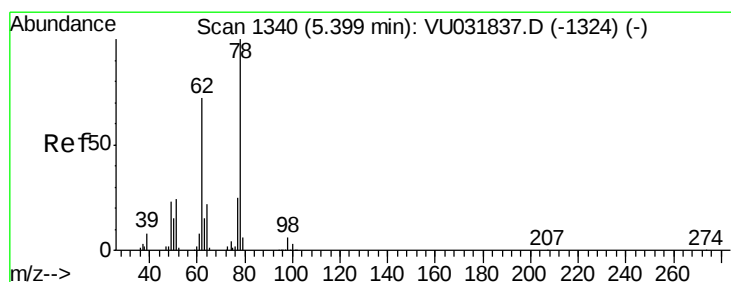
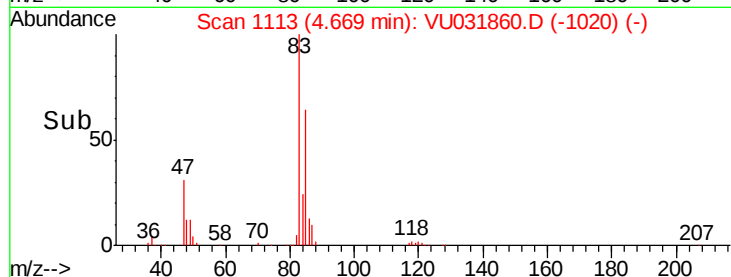
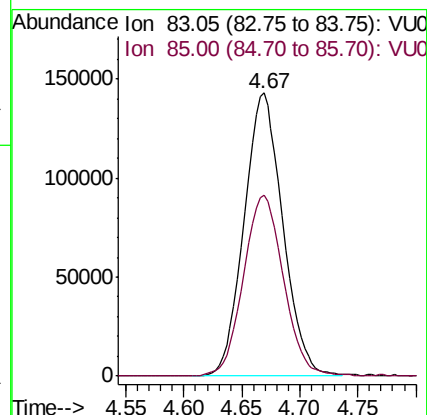
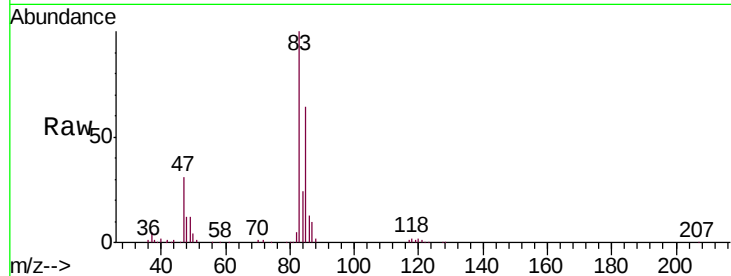




#25
Chloroform
Concen: 4.454 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

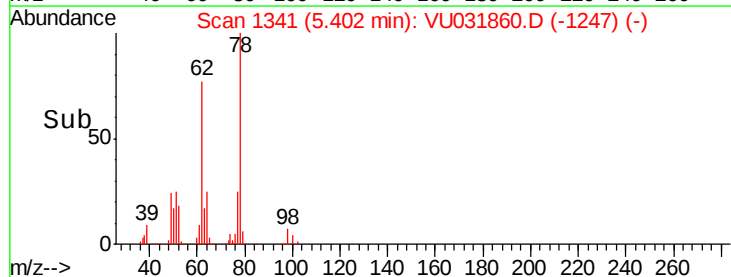
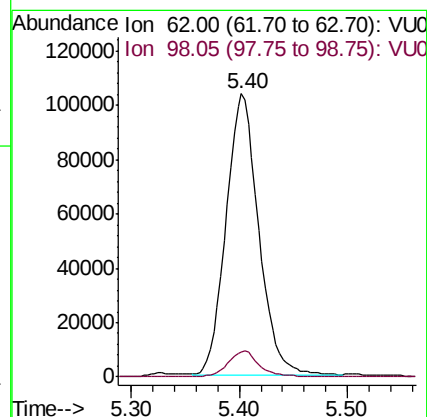
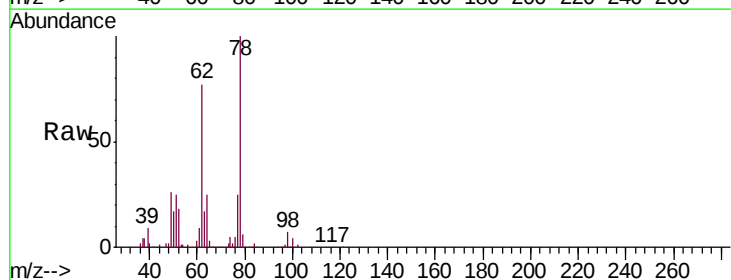
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

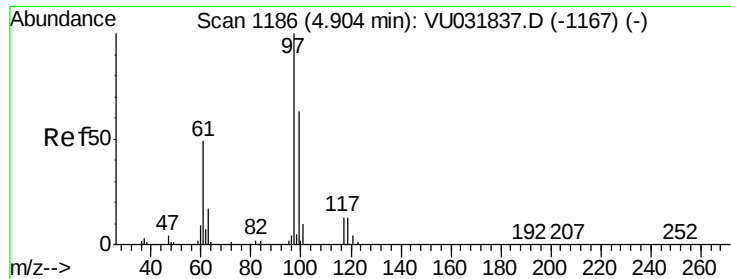
Tgt Ion: 83 Resp: 332882
Ion Ratio Lower Upper
83 100
85 64.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.410 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Tgt Ion: 62 Resp: 217508
Ion Ratio Lower Upper
62 100
98 9.0 5.4 8.2#

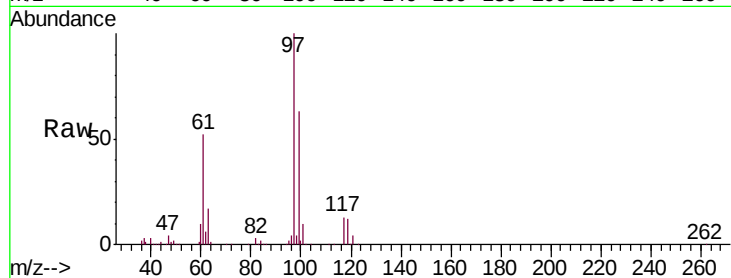




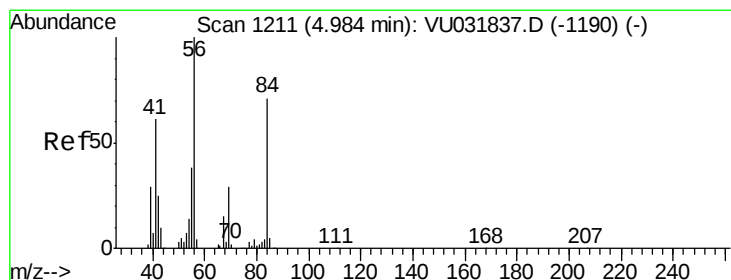
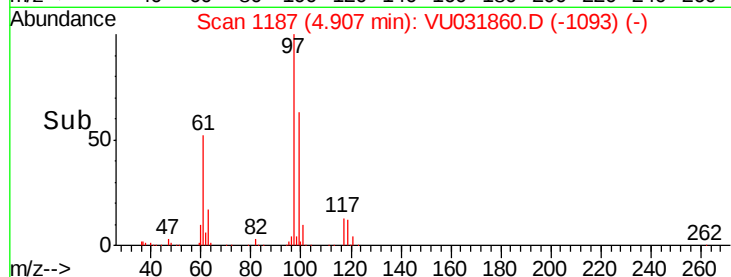
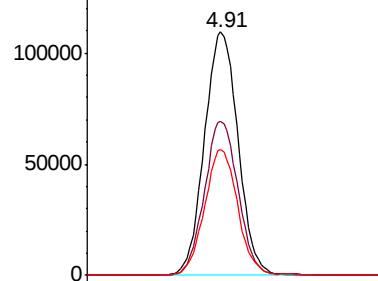
#29
 1,1,1-Trichloroethane
 Concen: 4.465 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 97 Resp: 264369
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.6 75.8
 61 51.0 42.2 63.2

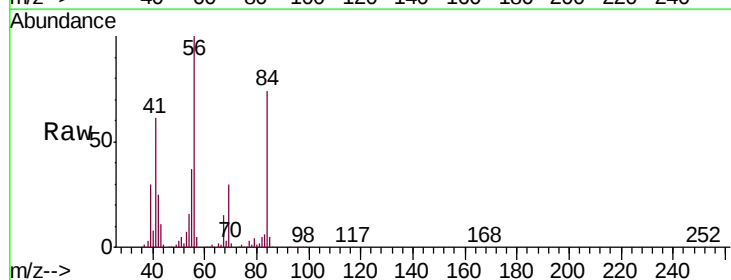


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

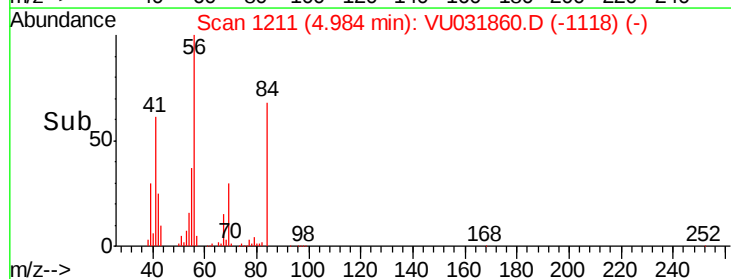
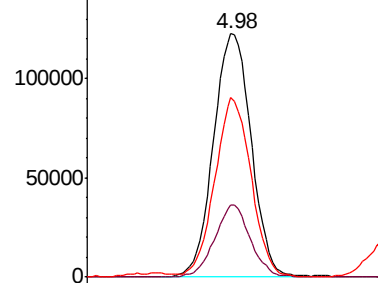


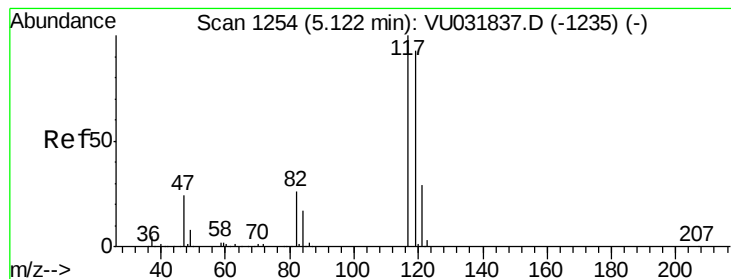
#30
 Cyclohexane
 Concen: 4.601 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion: 56 Resp: 298284
 Ion Ratio Lower Upper
 56 100
 69 27.6 21.8 32.8
 84 70.5 56.8 85.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.532 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

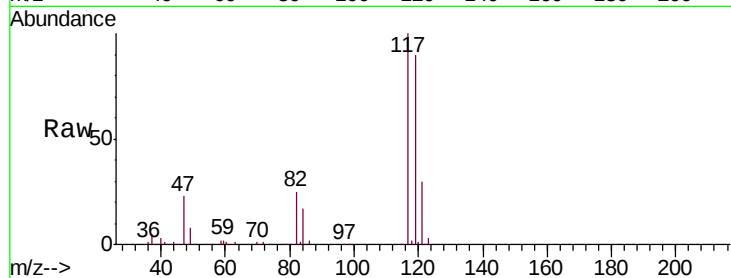
VSTD00525

Tgt Ion:117 Resp: 228457

Ion Ratio Lower Upper

117 100

119 94.6 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

120000

100000

80000

60000

40000

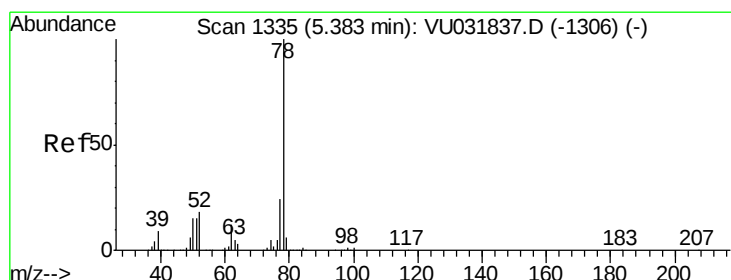
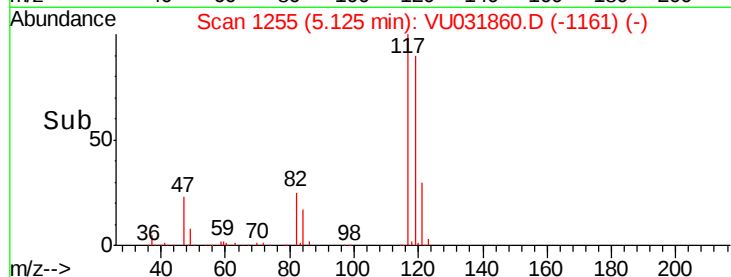
20000

0

5.13

5.10 5.20

Time-->



#33

Benzene

Concen: 4.891 ug/L

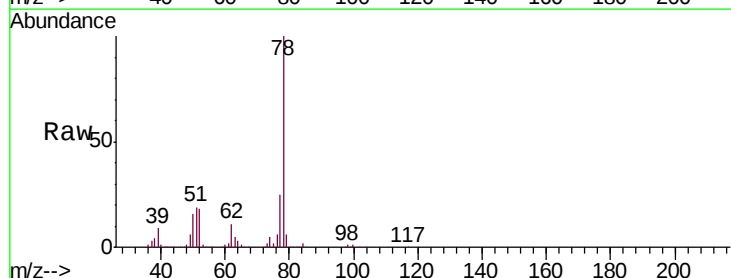
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Tgt Ion: 78 Resp: 736683



Abundance Ion 78.10 (77.80 to 78.80): VU0

400000

300000

200000

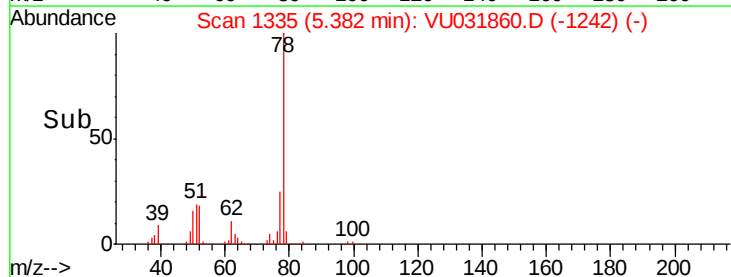
100000

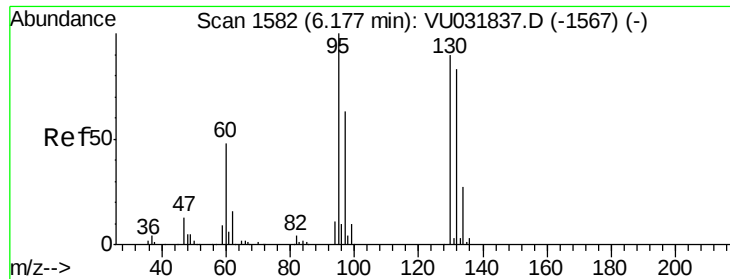
0

5.38

5.20 5.30 5.40 5.50

Time-->

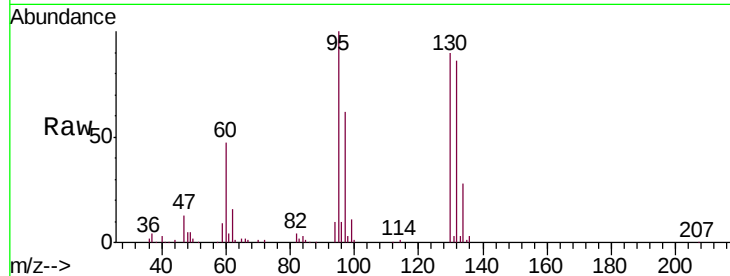




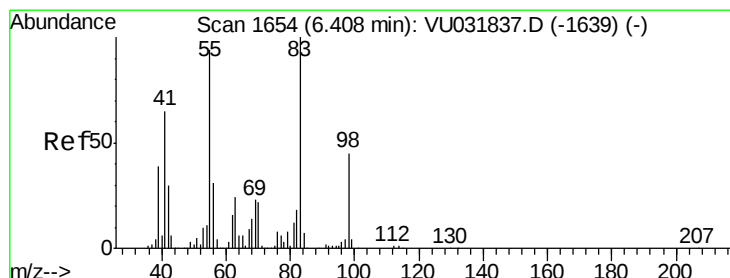
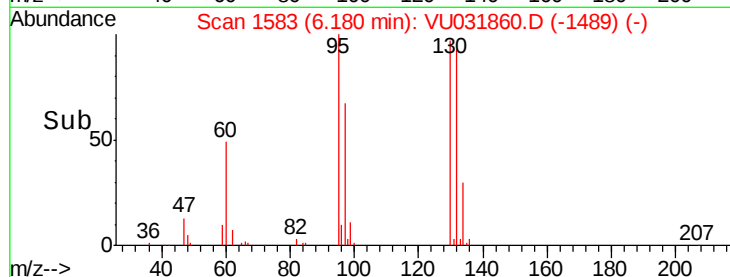
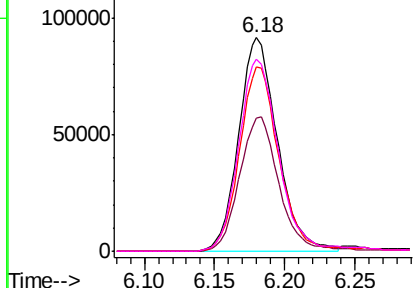
#34
 Trichloroethene
 Concen: 4.634 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:	95	Resp:	175997
Ion	Ratio	Lower	Upper
95	100		
97	62.1	45.8	85.2
132	86.1	56.0	104.0
130	90.0	60.4	112.2

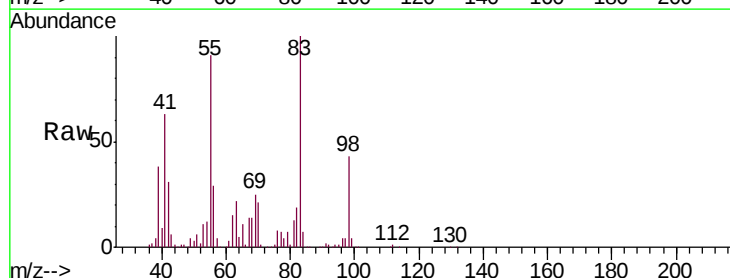


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

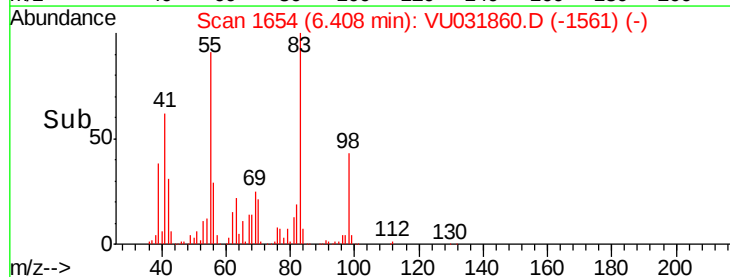
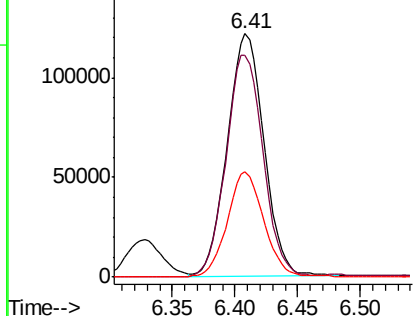


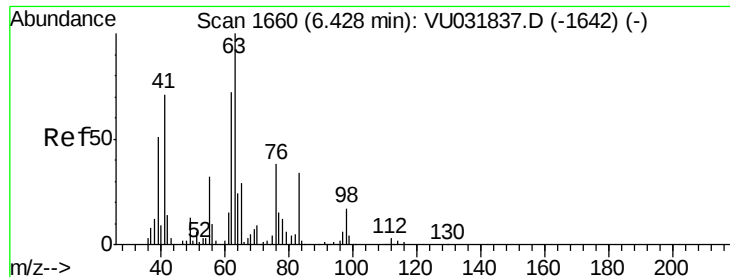
#35
 Methylcyclohexane
 Concen: 4.522 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion:	83	Resp:	246630
Ion	Ratio	Lower	Upper
83	100		
55	93.2	79.2	118.8
98	43.5	34.0	51.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

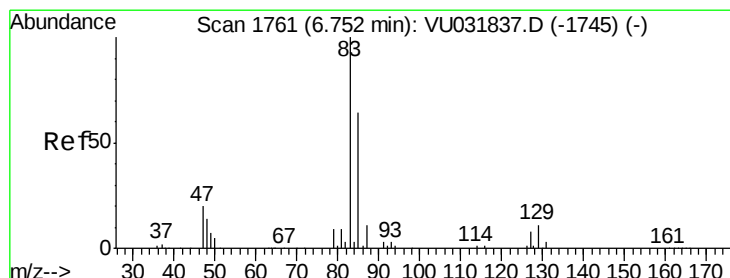
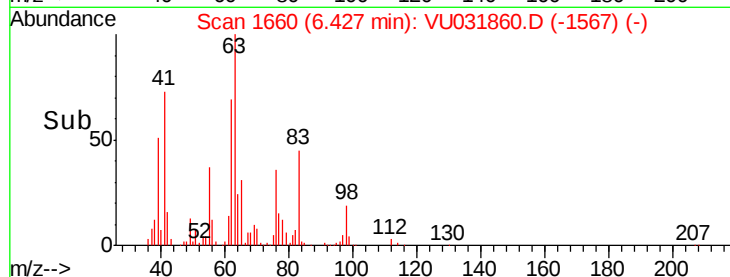
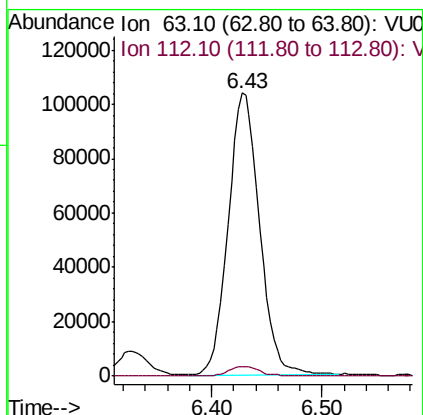
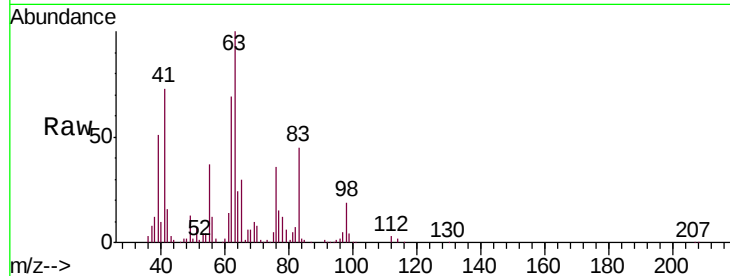




#37
 1,2-Dichloropropane
 Concen: 4.747 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

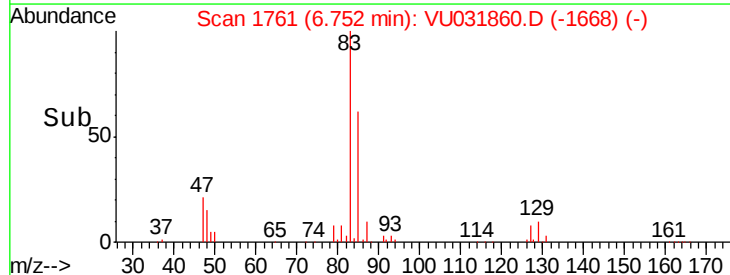
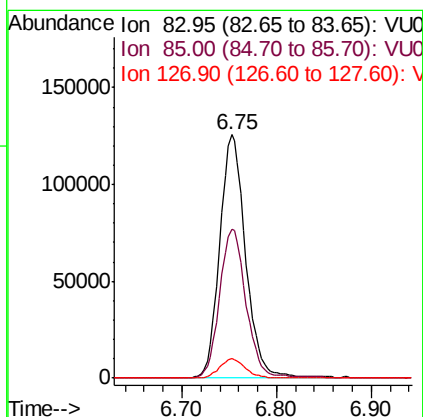
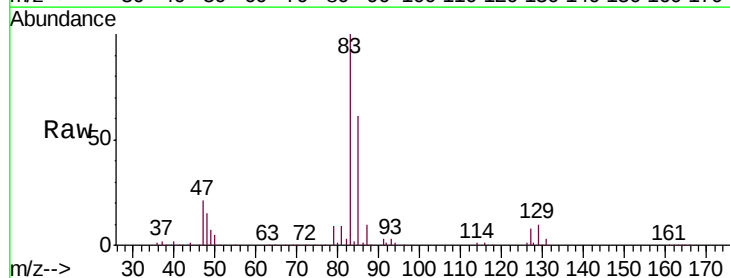
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

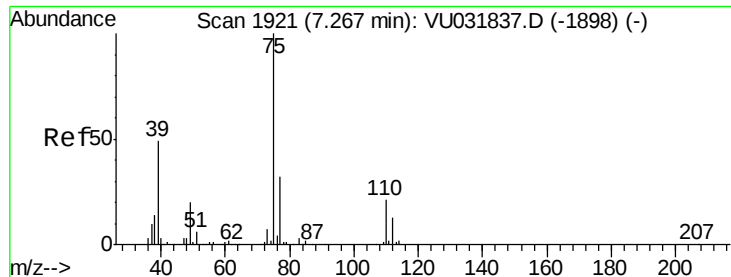
Tgt Ion: 63 Resp: 204611
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.631 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion: 83 Resp: 237744
 Ion Ratio Lower Upper
 83 100
 85 61.3 41.3 76.7
 127 7.8 5.8 8.6

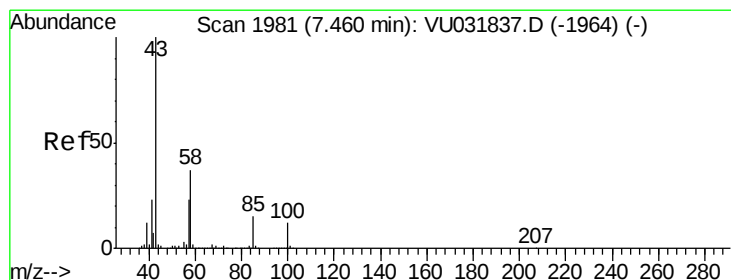
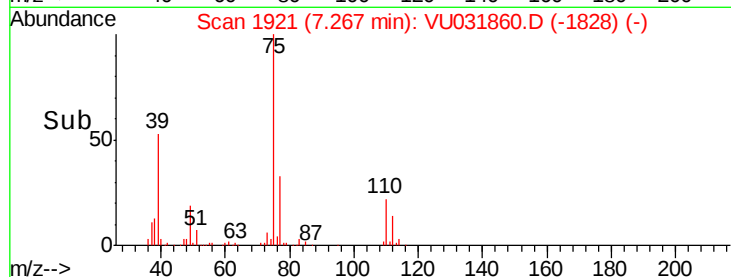
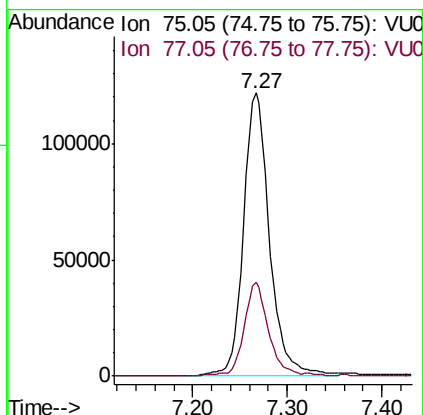
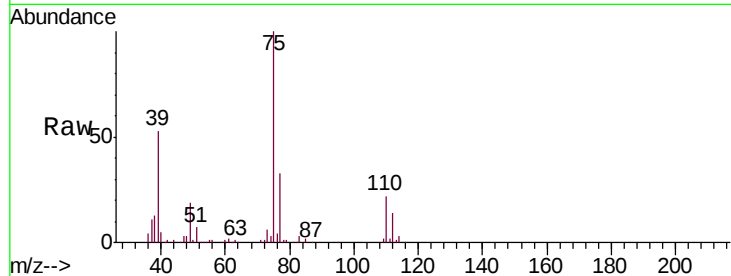




#39
 cis-1,3-Dichloropropene
 Concen: 4.317 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

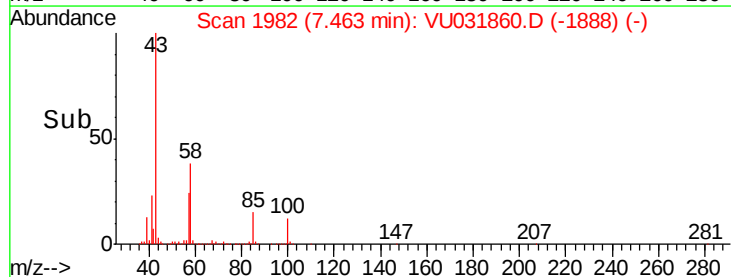
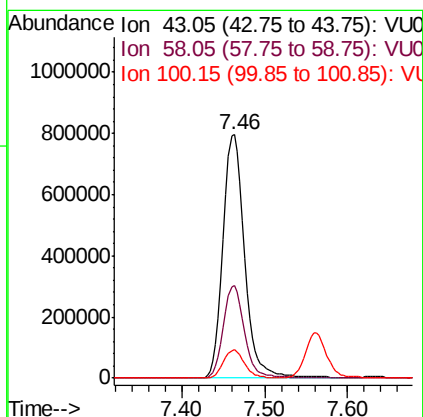
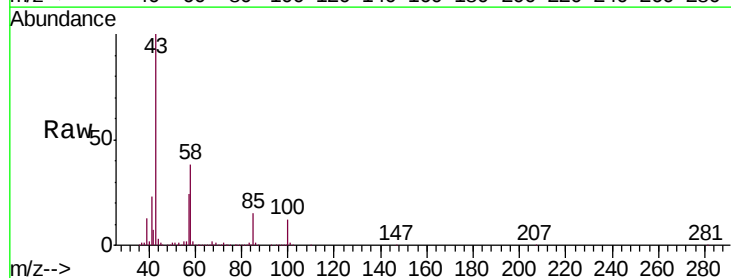
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

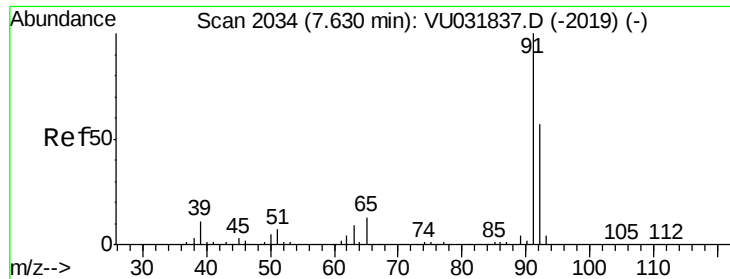
Tgt Ion: 75 Resp: 233165
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 49.650 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion: 43 Resp: 1440308
 Ion Ratio Lower Upper
 43 100
 58 36.9 28.0 42.0
 100 11.3 8.2 12.4





#42

Toluene

Concen: 5.034 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

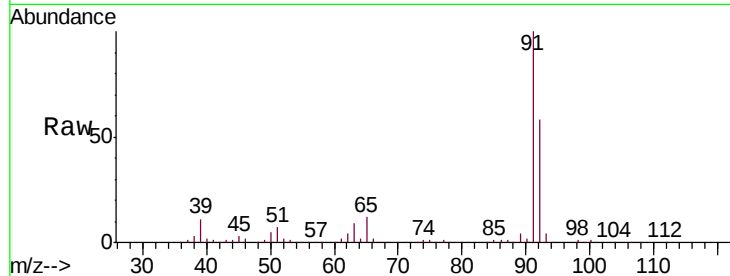
VSTD00525

Tgt Ion: 91 Resp: 748637

Ion Ratio Lower Upper

91 100

92 57.9 38.1 70.9



Abundance Ion 91.15 (90.85 to 91.85): VU031837.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VU031860.D (-1941) (-)

7.63

400000

300000

200000

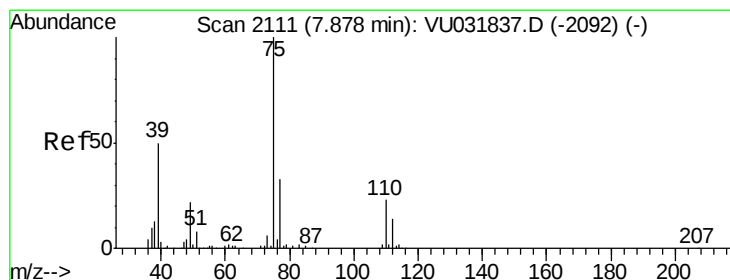
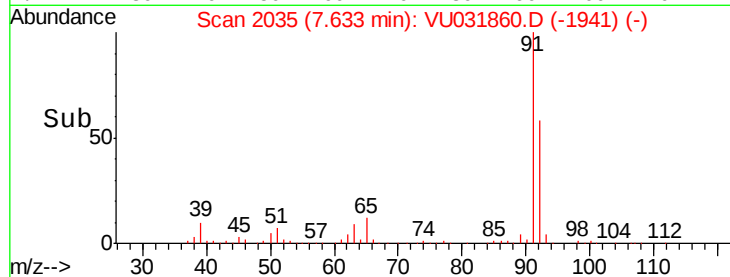
100000

0

7.60

7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.344 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU031860.D

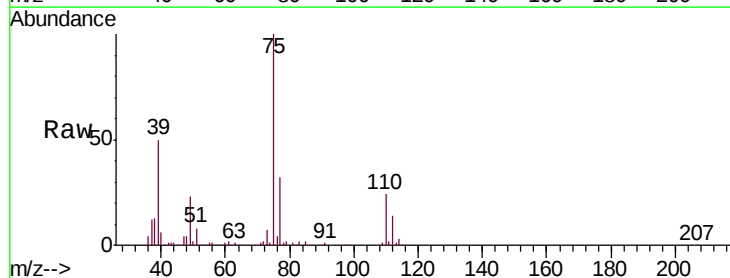
Acq: 09 May 2019 08:11

Tgt Ion: 75 Resp: 185844

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU031837.D (-2092) (-)

Ion 77.05 (76.75 to 77.75): VU031860.D (-2188) (-)

7.88

120000

100000

80000

60000

40000

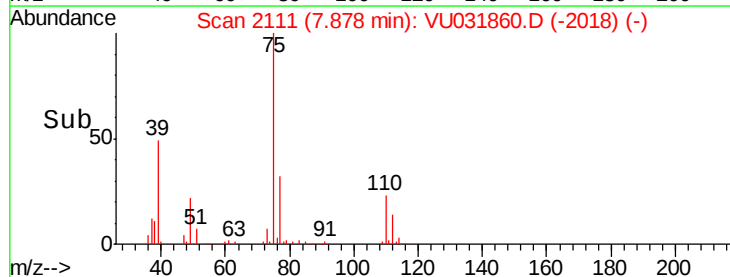
20000

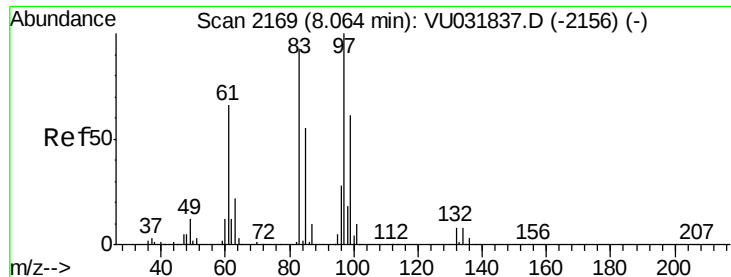
0

7.80

7.90

Time-->

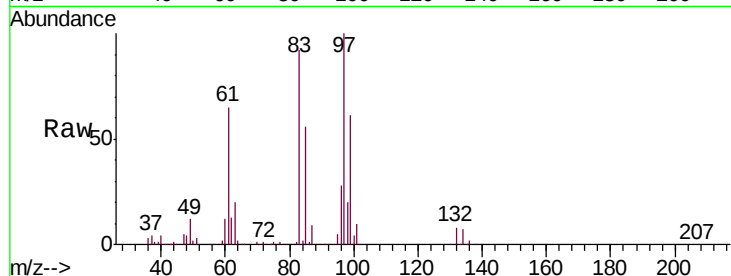




#45
 1,1,2-Trichloroethane
 Concen: 5.077 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:	97	Resp:	129666
Ion	Ratio	Lower	Upper
97	100		
99	60.5	45.8	85.0
83	92.5	64.5	119.7
85	56.1	41.6	77.3



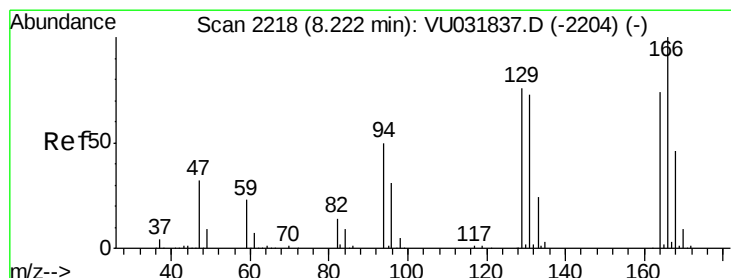
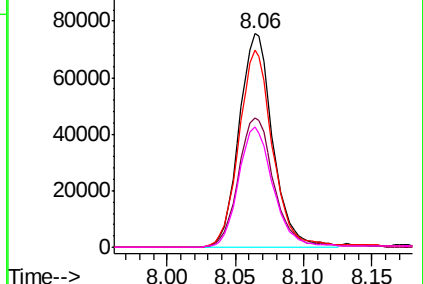
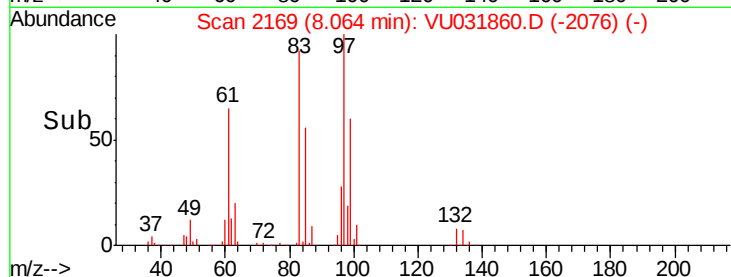
Abundance

Ion 96.95 (96.65 to 97.65): VU031860.D (-2076) (-)

Ion 99.05 (98.75 to 99.75): VU031860.D (-2076) (-)

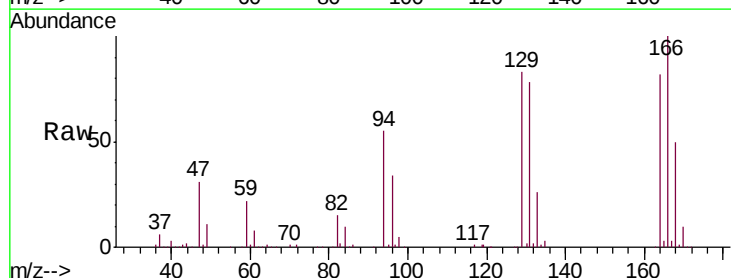
Ion 82.95 (82.65 to 83.65): VU031860.D (-2076) (-)

Ion 85.00 (84.70 to 85.70): VU031860.D (-2076) (-)



#47
 Tetrachloroethene
 Concen: 4.808 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion:	164	Resp:	118712
Ion	Ratio	Lower	Upper
164	100		
129	101.4	70.3	130.5
131	95.8	65.4	121.4
166	122.5	86.0	159.8



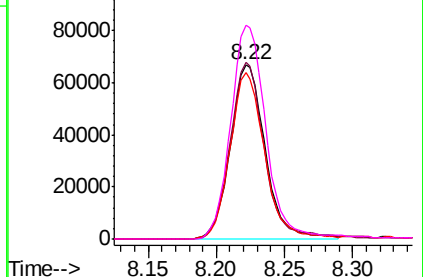
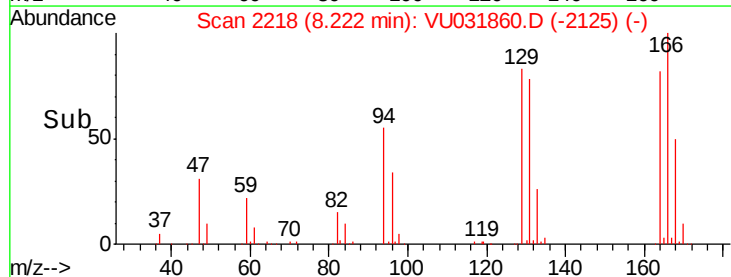
Abundance

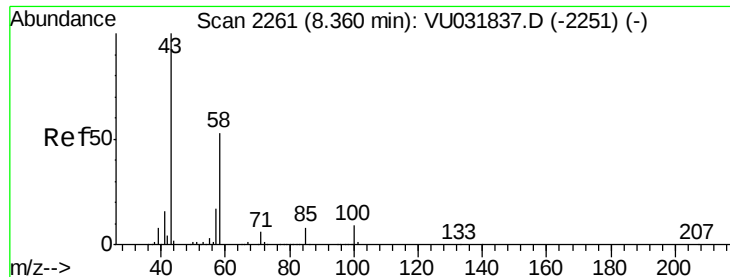
Ion 163.90 (163.60 to 164.60): VU031860.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VU031860.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VU031860.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VU031860.D (-2125) (-)

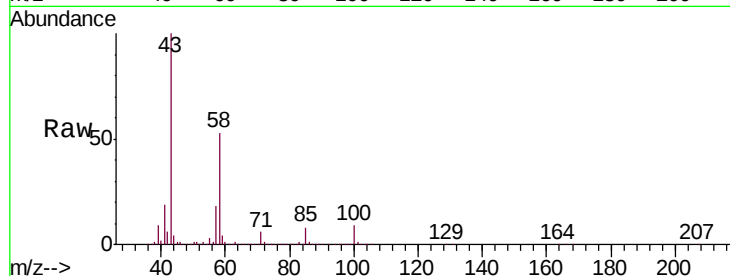




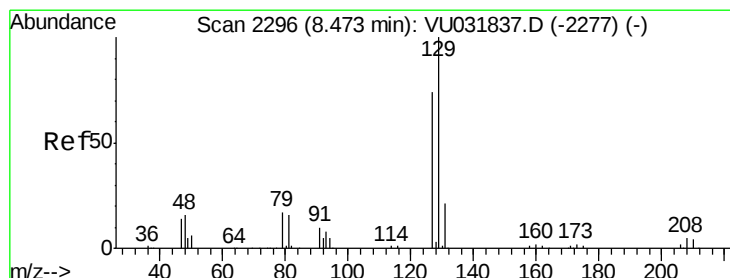
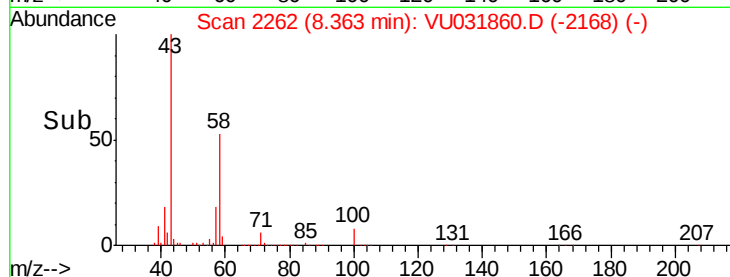
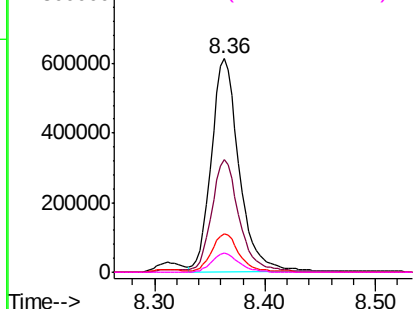
#48
2-Hexanone
Concen: 51.601 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion: 43 Resp: 1063921
Ion Ratio Lower Upper
43 100
58 52.0 40.2 60.2
57 18.1 13.8 20.6
100 8.7 6.4 9.6

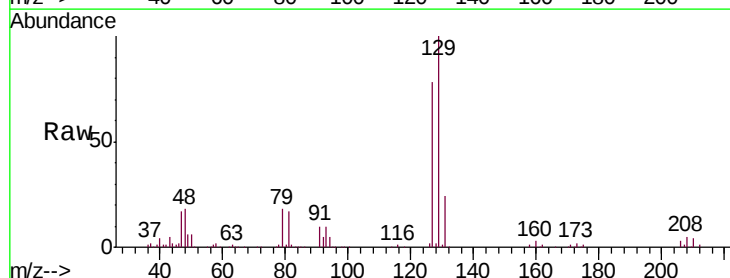


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

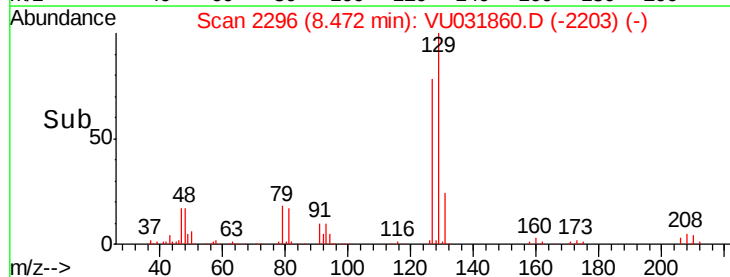
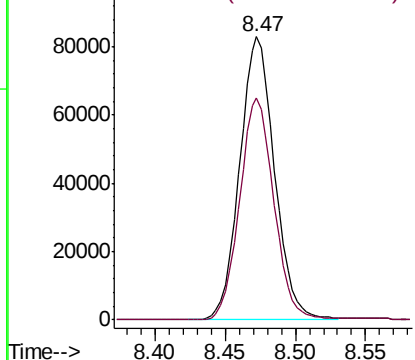


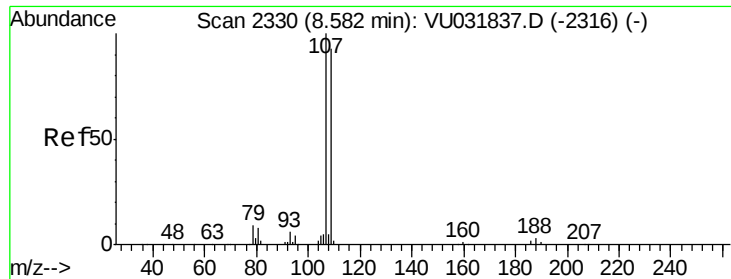
#49
Dibromochloromethane
Concen: 4.840 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Tgt Ion: 129 Resp: 143764
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

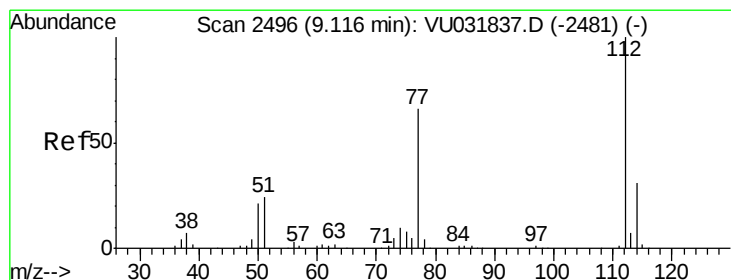
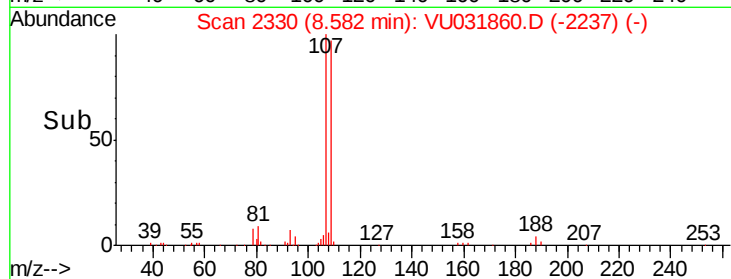
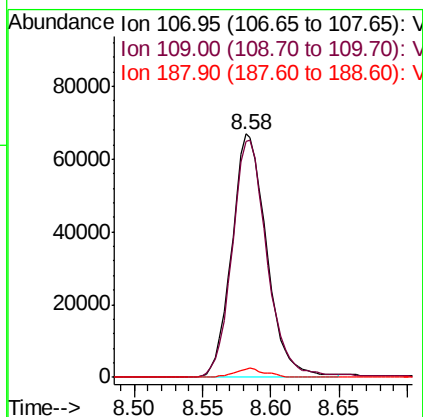
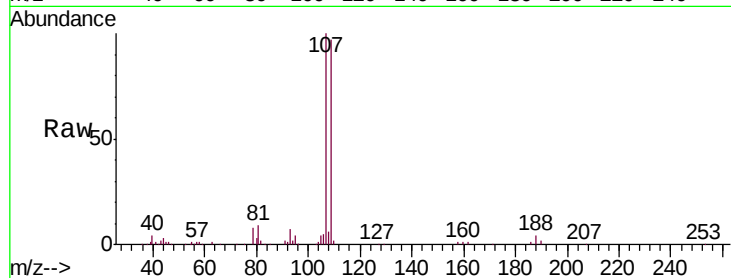




#50
1,2-Dibromoethane
Concen: 5.113 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

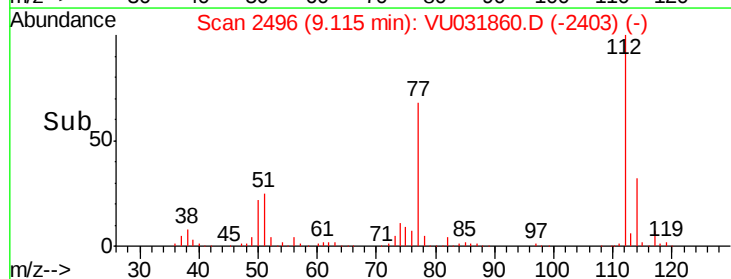
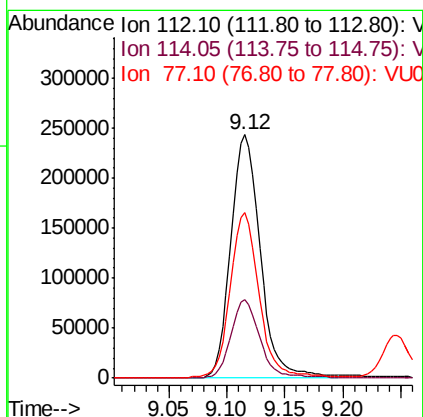
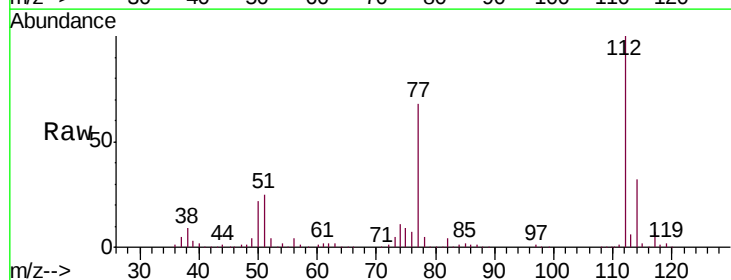
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

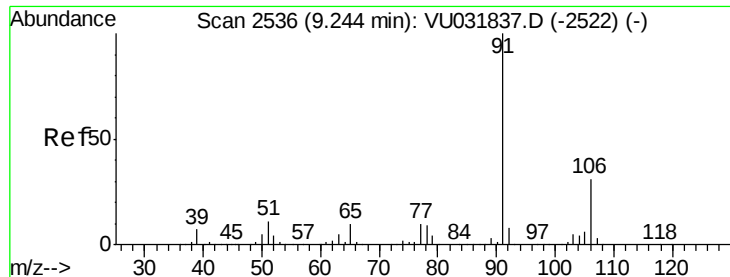
Tgt Ion:107 Resp: 118832
Ion Ratio Lower Upper
107 100
109 97.1 62.6 116.3
188 3.6 2.1 3.1#



#51
Chlorobenzene
Concen: 4.884 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Tgt Ion:112 Resp: 431731
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.7
77 67.9 56.9 85.3





#52

Ethylbenzene

Concen: 4.861 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

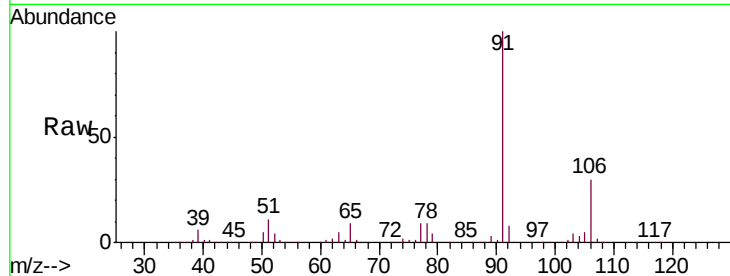
VSTD00525

Tgt Ion: 91 Resp: 754210

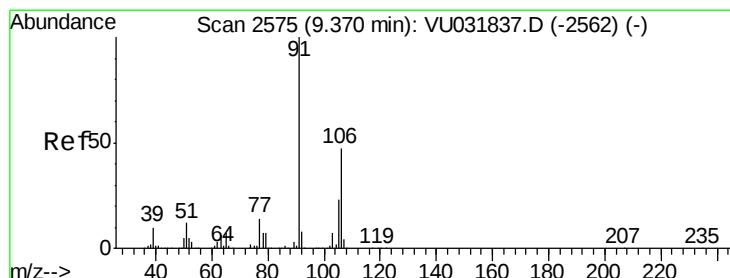
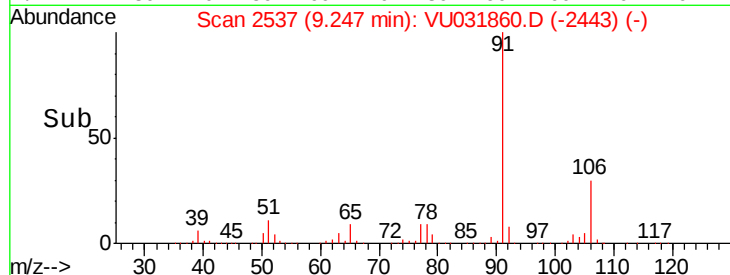
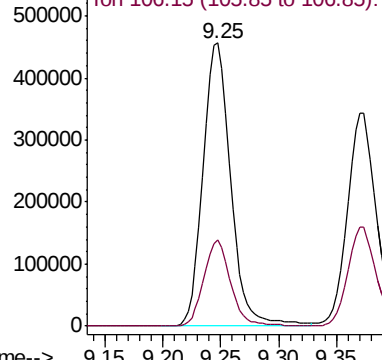
Ion Ratio Lower Upper

91 100

106 30.3 20.0 37.2



Abundance Ion 91.15 (90.85 to 91.85): VU031837.D (-2522) (-)



#53

m,p-Xylene

Concen: 4.974 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031860.D

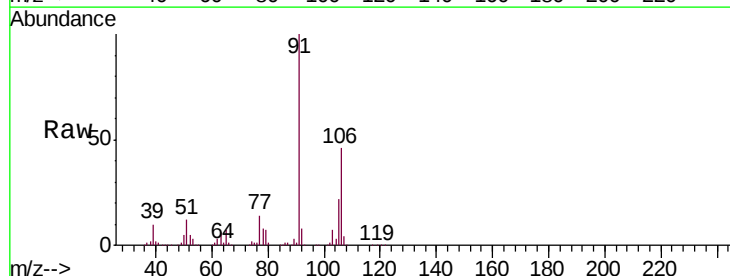
Acq: 09 May 2019 08:11

Tgt Ion: 106 Resp: 274659

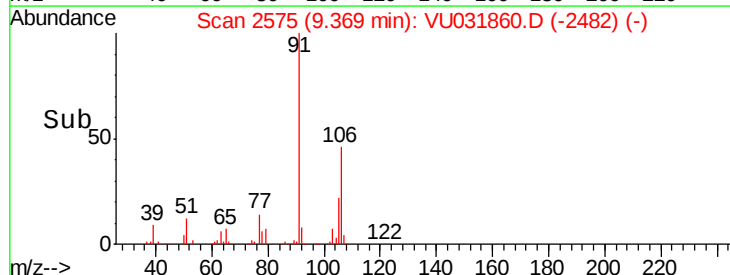
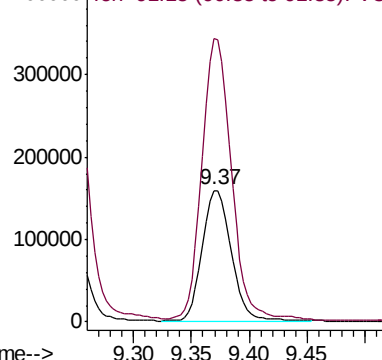
Ion Ratio Lower Upper

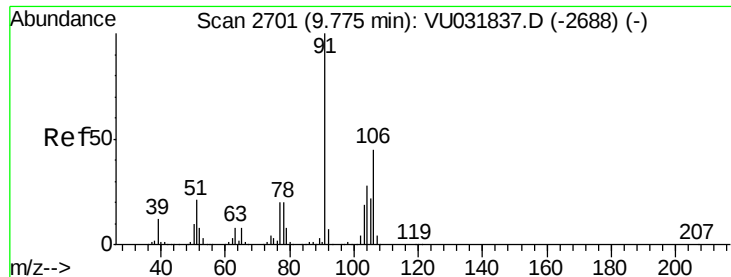
106 100

91 215.5 150.3 279.1



Abundance Ion 106.15 (105.85 to 106.85): VU031837.D (-2562) (-)

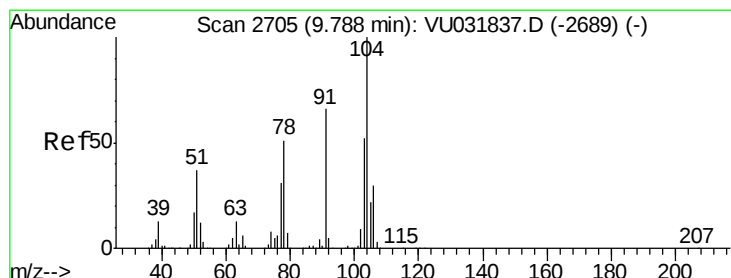
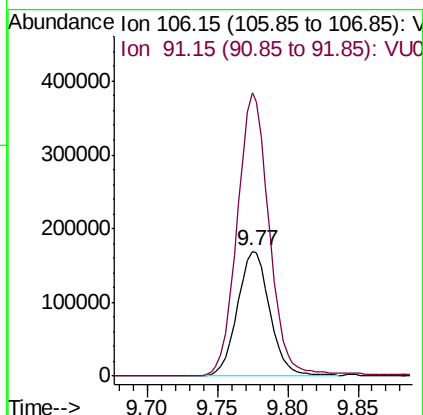
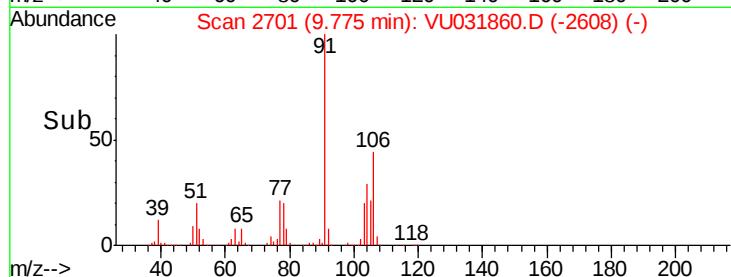
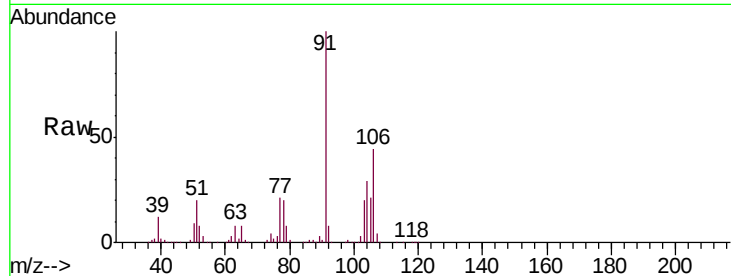




#54
o-Xylene
Concen: 5.183 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

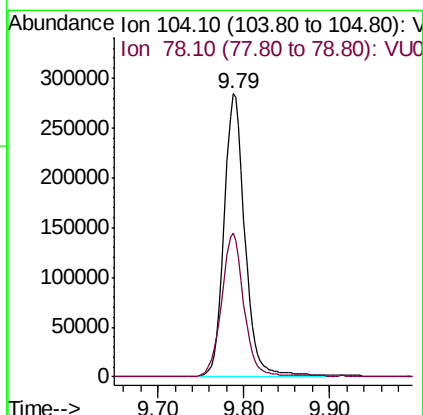
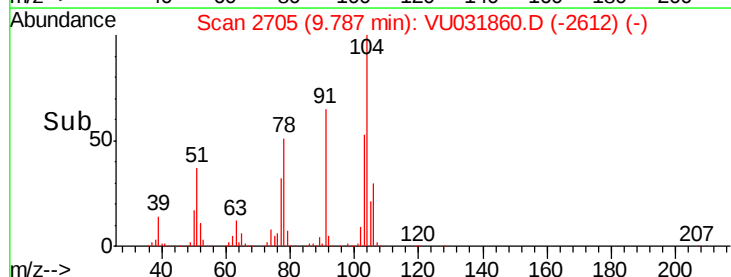
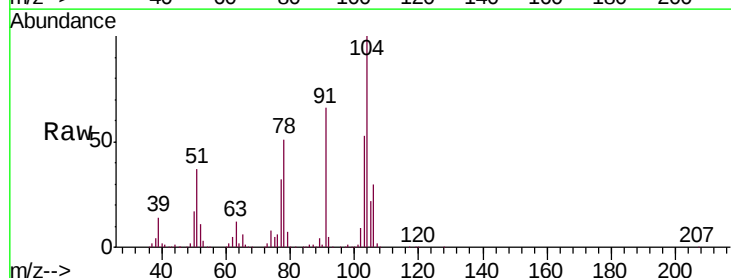
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

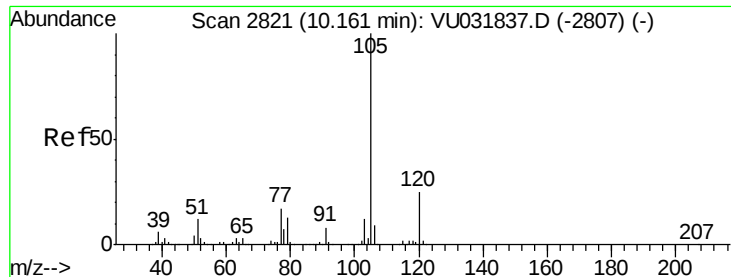
Tgt Ion:106 Resp: 273718
Ion Ratio Lower Upper
106 100
91 226.0 161.8 300.6



#55
Styrene
Concen: 5.326 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU031860.D
Acq: 09 May 2019 08:11

Tgt Ion:104 Resp: 482690
Ion Ratio Lower Upper
104 100
78 50.9 37.2 69.0





#56

Isopropylbenzene

Concen: 4.994 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

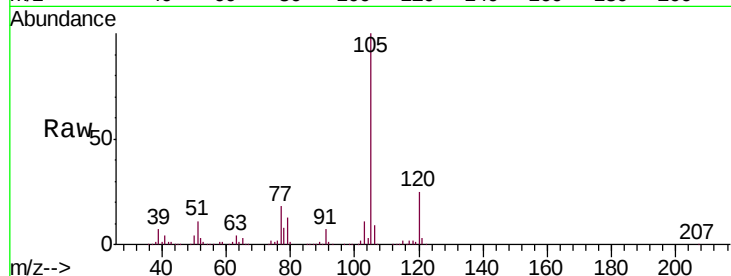
Tgt Ion: 105 Resp: 706066

Ion Ratio Lower Upper

105 100

120 24.9 20.2 30.4

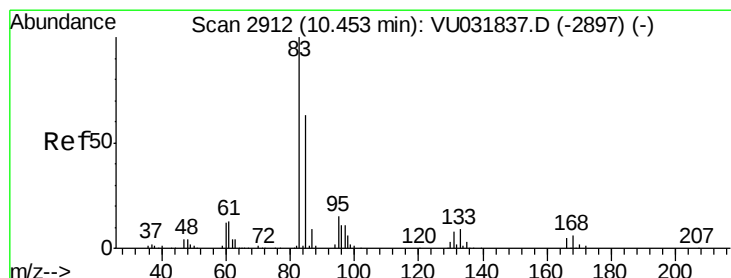
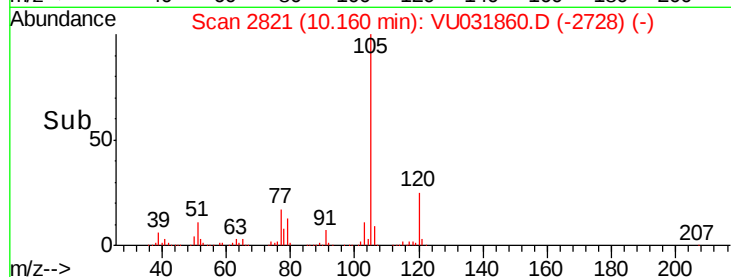
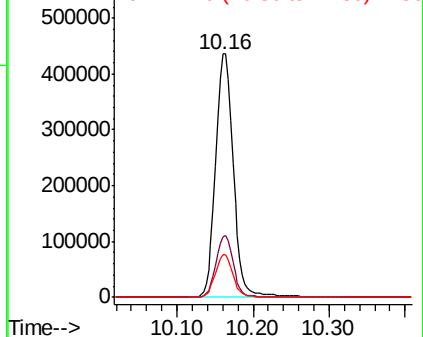
77 17.1 14.8 22.2



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: 5.080 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

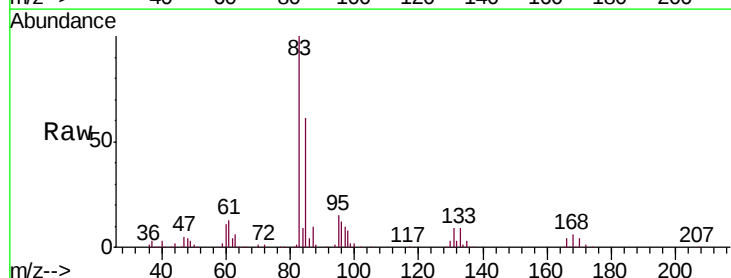
Tgt Ion: 83 Resp: 173280

Ion Ratio Lower Upper

83 100

85 61.4 44.3 82.3

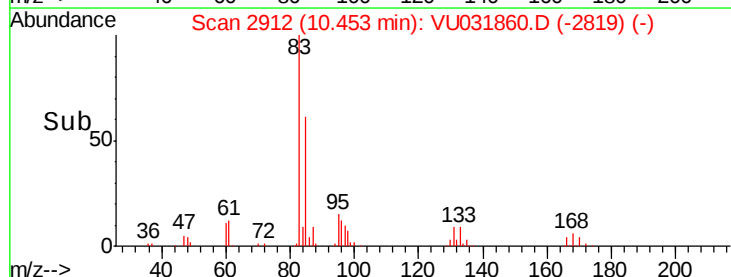
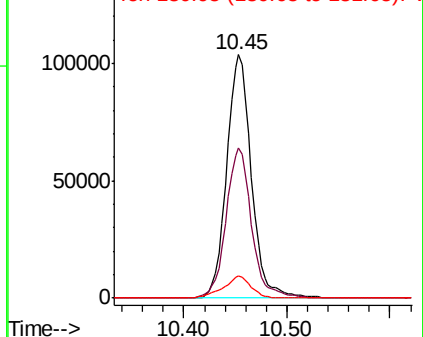
131 9.2 6.0 9.0#

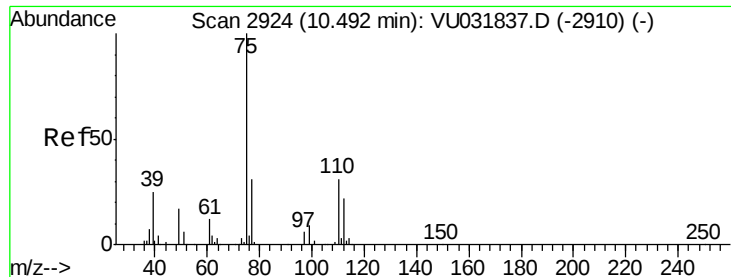


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.864 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

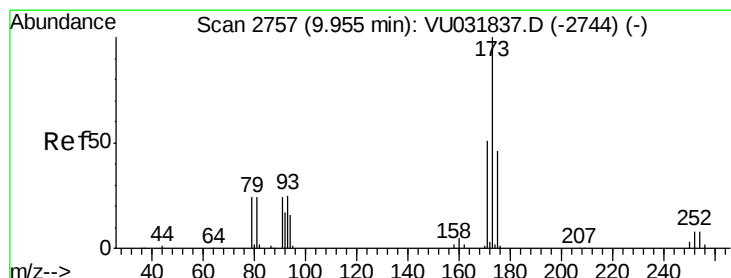
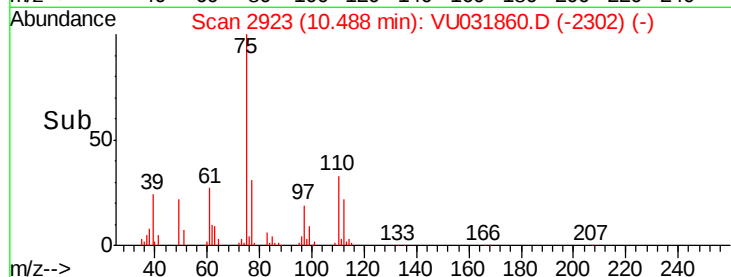
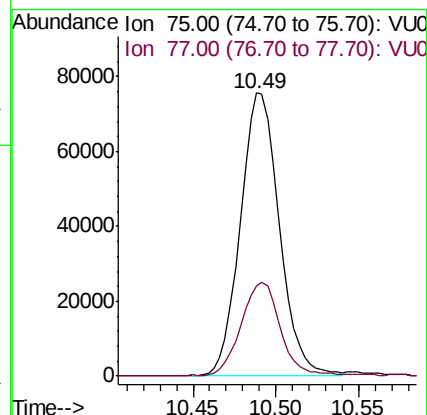
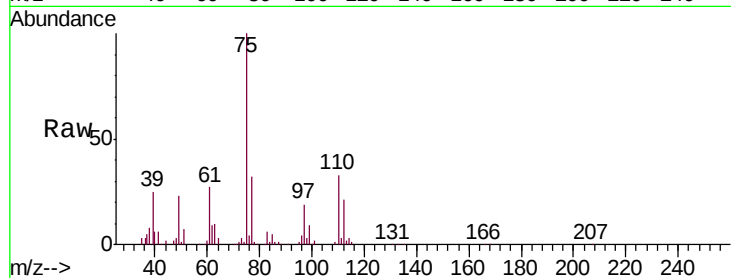
VSTD00525

Tgt Ion: 75 Resp: 124114

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5



#61

Bromoform

Concen: 5.168 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

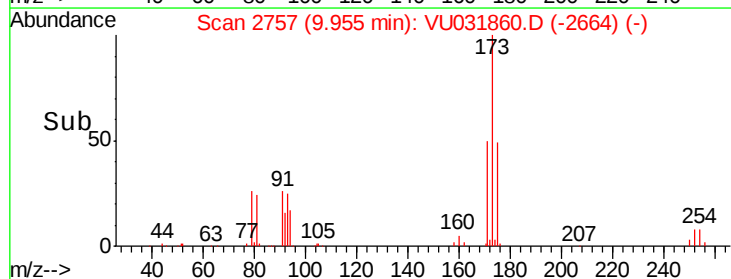
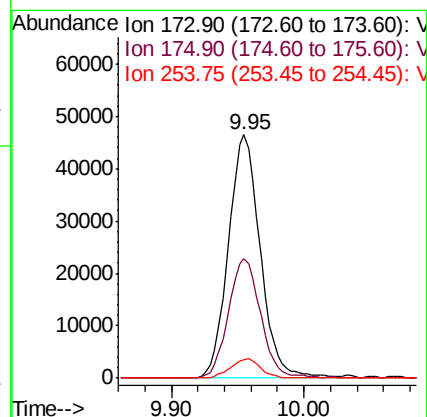
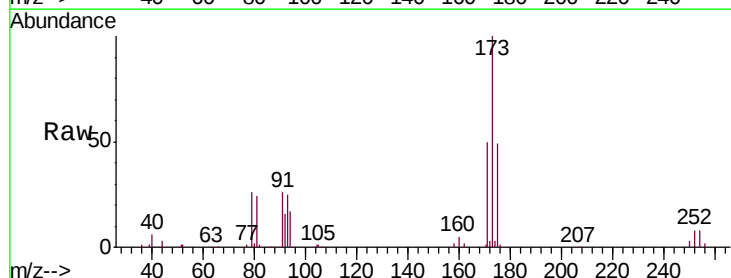
Tgt Ion: 173 Resp: 77542

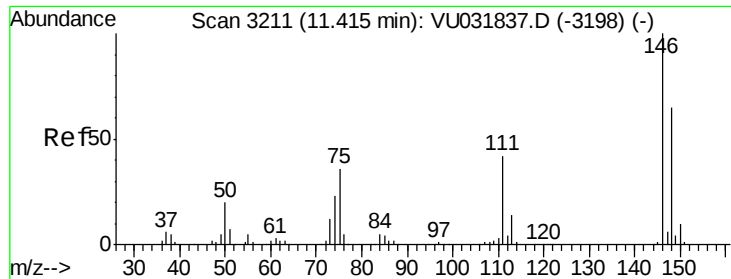
Ion Ratio Lower Upper

173 100

175 49.7 37.2 55.8

254 7.5 5.8 8.8

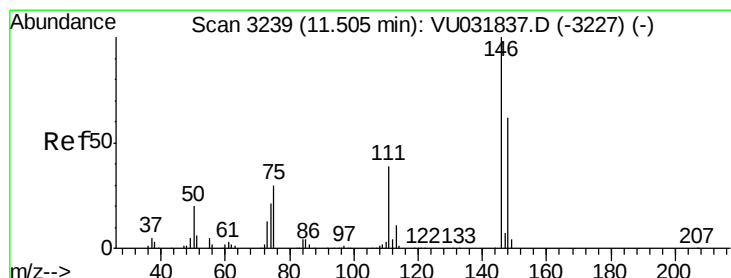
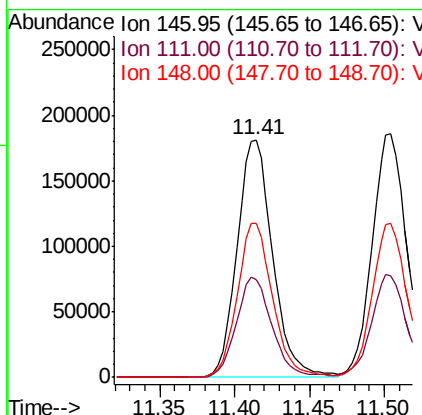
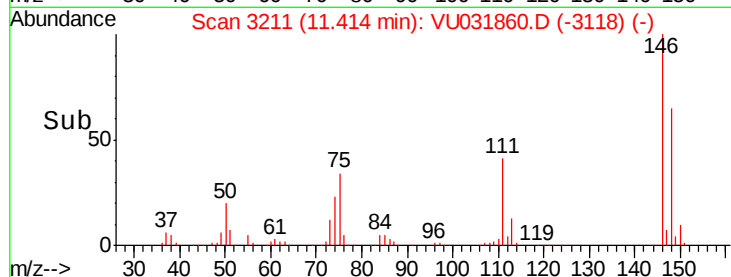
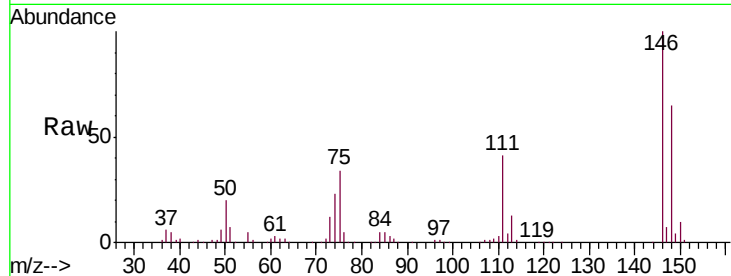




#62
 1,3-Dichlorobenzene
 Concen: 5.039 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

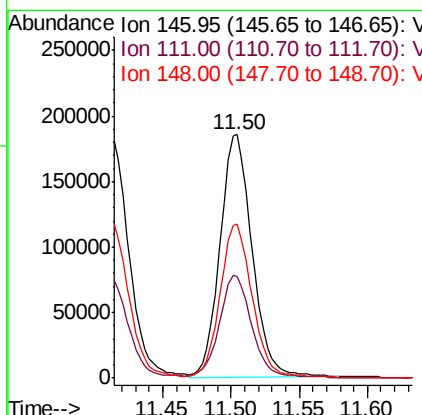
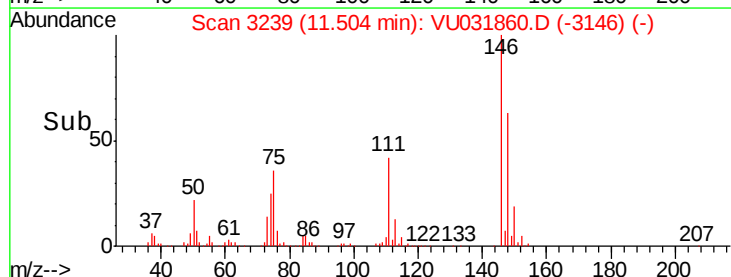
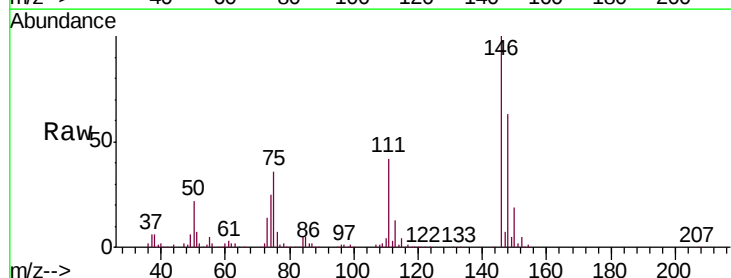
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

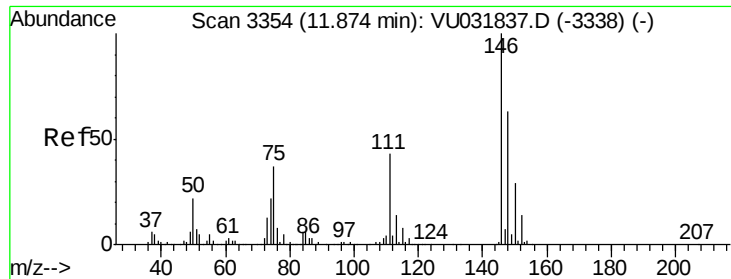
Tgt Ion:146 Resp: 300124
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.4 54.6
 148 64.9 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 5.029 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU031860.D
 Acq: 09 May 2019 08:11

Tgt Ion:146 Resp: 303785
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.5 54.7
 148 63.1 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 5.225 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

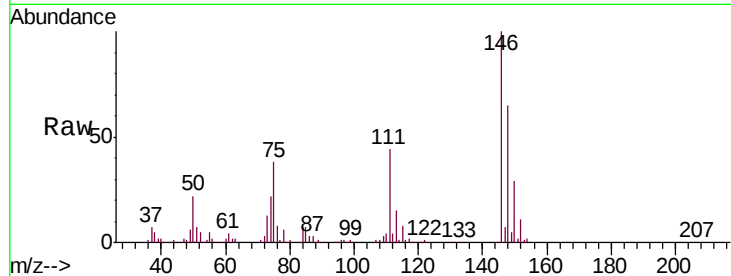
Tgt Ion:146 Resp: 303582

Ion Ratio Lower Upper

146 100

111 43.7 37.0 55.4

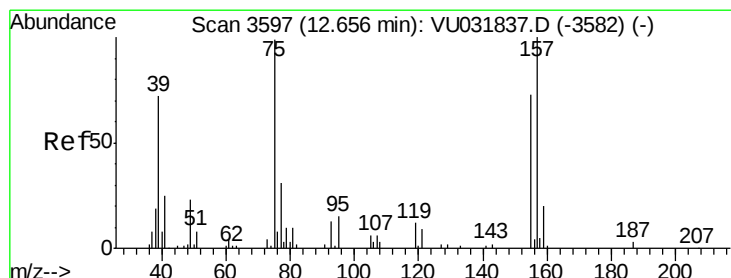
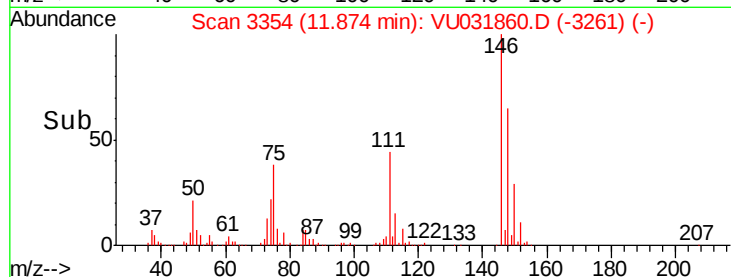
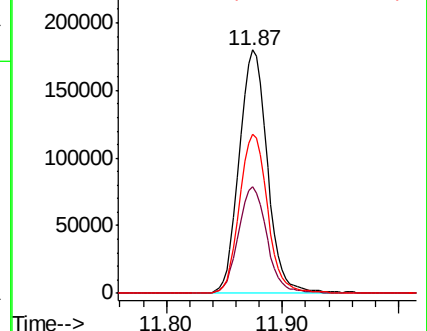
148 65.1 52.2 78.4



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: 4.747 ug/L

RT: 12.66 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

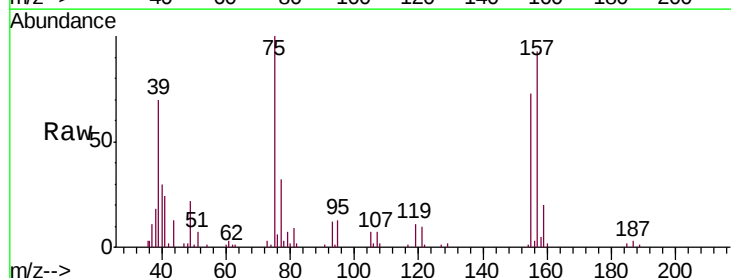
Tgt Ion: 75 Resp: 25929

Ion Ratio Lower Upper

75 100

155 73.5 42.2 63.2#

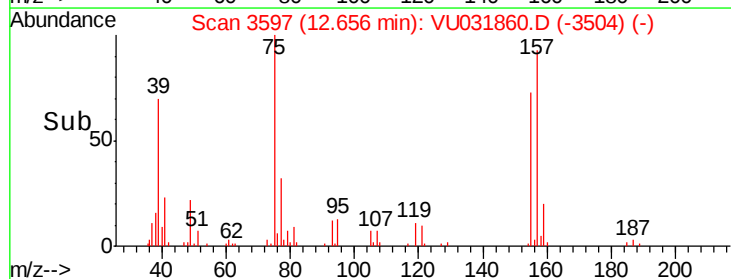
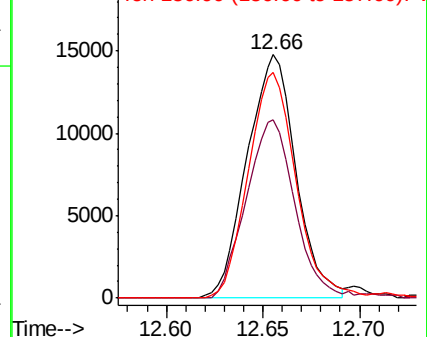
157 92.7 54.9 82.3#

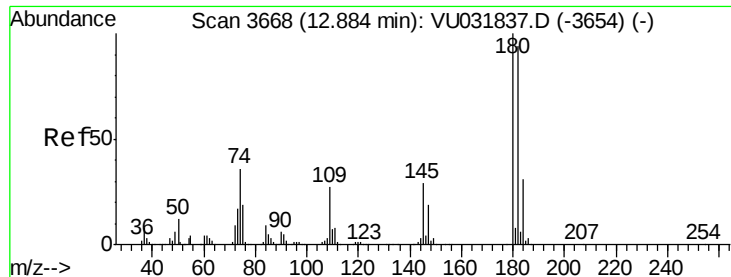


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.787 ug/L

RT: 12.88 min Scan# 3668

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion:180 Resp: 216602

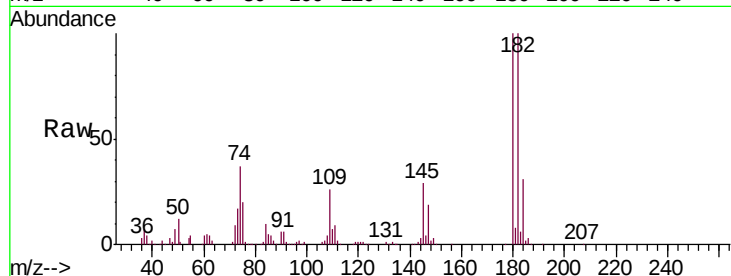
Ion Ratio Lower Upper

180 100

182 98.3 77.0 115.4

184 30.5 24.1 36.1

145 30.3 24.5 36.7

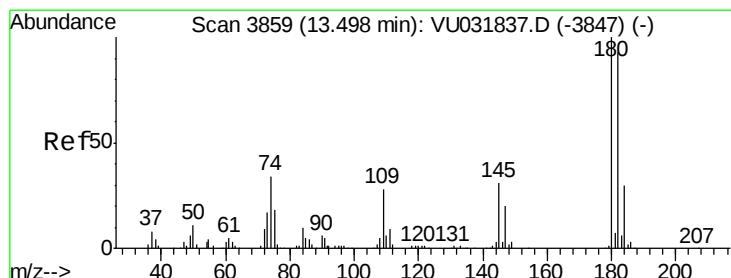
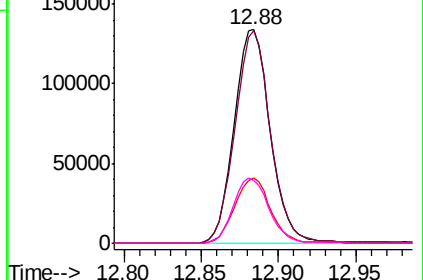
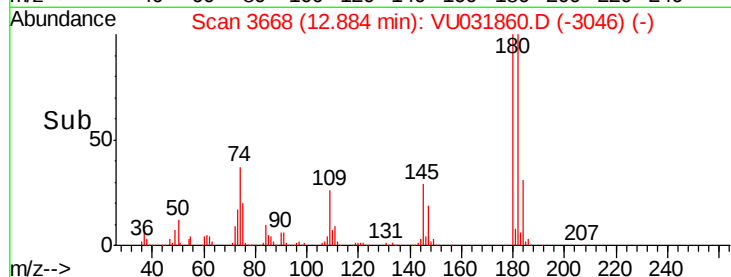


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.179 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

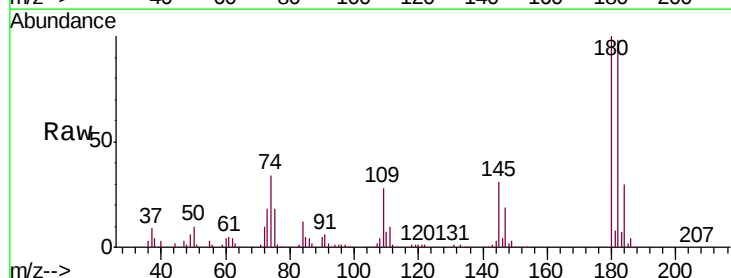
Tgt Ion:180 Resp: 173109

Ion Ratio Lower Upper

180 100

182 97.2 74.8 112.2

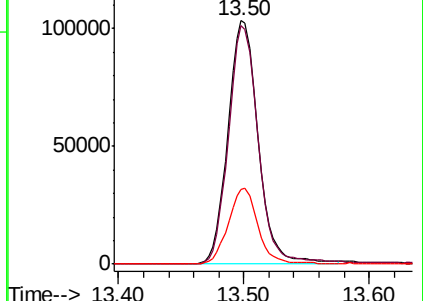
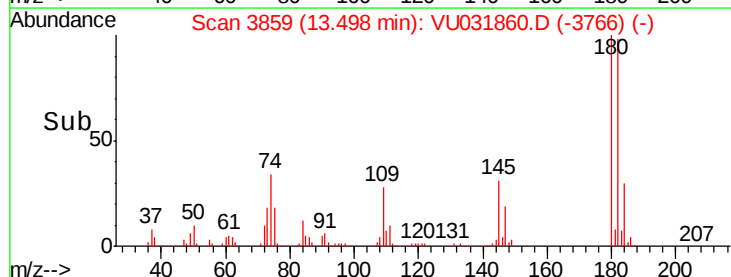
145 30.6 25.4 38.2

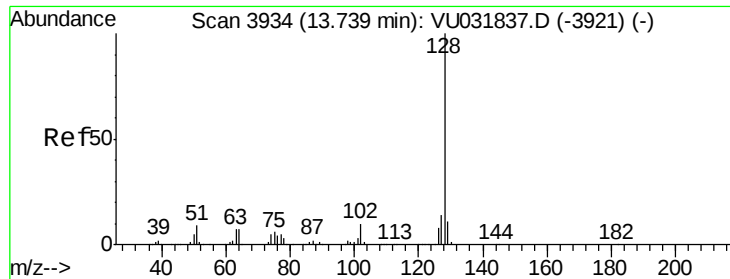


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.379 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

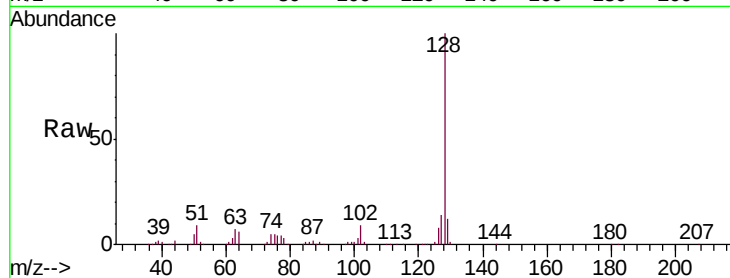
Tgt Ion:128 Resp: 308393

Ion Ratio Lower Upper

128 100

129 10.7 8.0 12.0

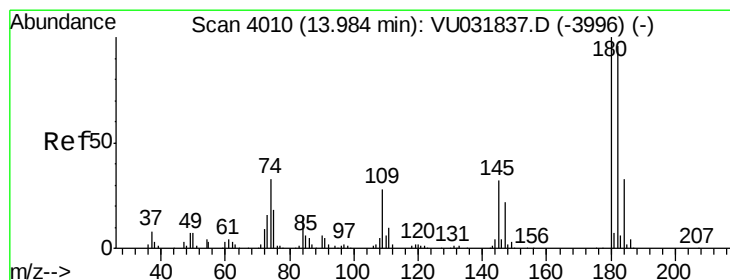
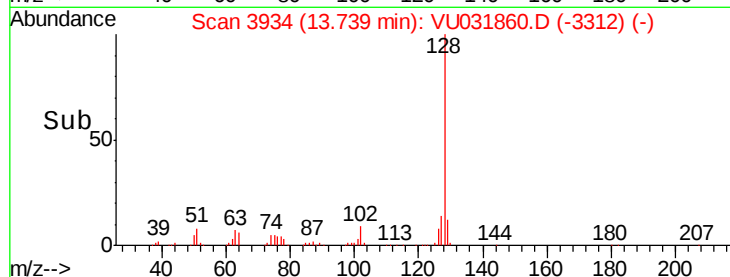
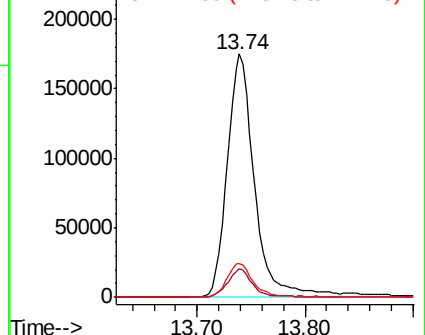
127 13.3 10.7 16.1



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: 5.650 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU031860.D

Acq: 09 May 2019 08:11

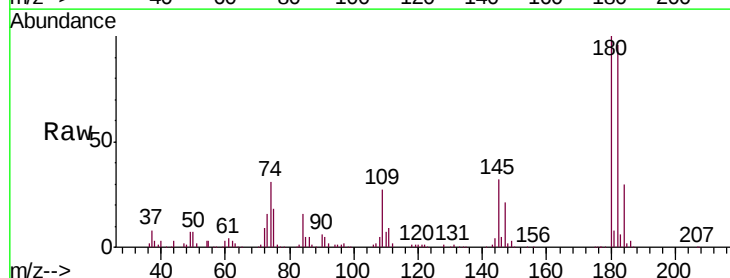
Tgt Ion:180 Resp: 175795

Ion Ratio Lower Upper

180 100

182 97.5 78.4 117.6

145 33.2 27.4 41.0



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

