

Data File : VU037608.D
Acq On : 09 Apr 2020 10:10
Operator : JC/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Quant Time: Apr 09 11:00:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:58:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	493621	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	464966	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	227816	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49486	12.34	ug/L	0.00
7) Chloroethane-d5	1.93	69	40945	12.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	81619	12.11	ug/L	0.00
21) 2-Butanone-d5	4.67	46	82725	27.45	ug/L	0.00
24) Chloroform-d	5.11	84	74941	11.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	52909	11.80	ug/L	0.00
32) Benzene-d6	5.76	84	161422	11.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	54332	11.98	ug/L	0.00
41) Toluene-d8	7.92	98	149324	11.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	28727	11.67	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	61316	25.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	74358	11.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	56316	12.11	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	43925	13.764	ug/L	99
3) Chloromethane	1.54	50	49646	14.666	ug/L	99
5) Vinyl chloride	1.62	62	53179	15.821	ug/L	97
6) Bromomethane	1.87	94	27279	16.455	ug/L	99
8) Chloroethane	1.95	64	31426	15.852	ug/L	100
9) Trichlorofluoromethane	2.16	101	59109	12.395	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	35920	13.205	ug/L	99
12) 1,1-Dichloroethene	2.61	96	36423	13.794	ug/L	97
13) Acetone	2.66	43	47908	27.507	ug/L	96
14) Carbon disulfide	2.82	76	118638	15.555	ug/L	99
15) Methyl Acetate	2.98	43	55862	14.154	ug/L	99
16) Methylene chloride	3.08	84	40265	12.572	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	38395	13.504	ug/L	97
18) Methyl tert-butyl Ether	3.40	73	132151	13.259	ug/L	99
19) 1,1-Dichloroethane	3.91	63	75760	13.600	ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	43097	13.162	ug/L	94
22) 2-Butanone	4.75	43	82594	29.054	ug/L	99
23) Bromochloromethane	5.02	128	20388	12.973	ug/L	98
25) Chloroform	5.13	83	72436	12.471	ug/L	98
27) 1,2-Dichloroethane	5.83	62	60106	13.409	ug/L	98
29) Cyclohexane	5.42	56	75059	15.403	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	61113	12.399	ug/L	99
31) Carbon tetrachloride	5.56	117	48853	12.043	ug/L	98
33) Benzene	5.81	78	163713	13.438	ug/L	100
34) Trichloroethene	6.57	95	39680	12.456	ug/L	98
35) Methylcyclohexane	6.79	83	72320	14.693	ug/L	98
37) 1,2-Dichloropropane	6.82	63	44335	12.772	ug/L	100
38) Bromodichloromethane	7.13	83	54518	12.075	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	72183	13.314	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	155970	27.689	ug/L	100

Data File : VU037608.D
Acq On : 09 Apr 2020 10:10
Operator : JC/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Quant Time: Apr 09 11:00:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:58:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	173074	13.128	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	70542	13.212	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	40065	12.642	ug/L	97
46) Tetrachloroethene	8.57	164	30082	14.064	ug/L	95
48) 2-Hexanone	8.71	43	121971	27.844	ug/L	99
49) Dibromochloromethane	8.83	129	42534	12.032	ug/L	100
50) 1,2-Dibromoethane	8.95	107	42897	12.307	ug/L	98
51) Chlorobenzene	9.47	112	105861	12.945	ug/L	99
52) Ethylbenzene	9.59	91	194027	13.014	ug/L	100
53) m,p-Xylene	9.71	106	71794	12.910	ug/L	99
54) o-xylene	10.12	106	73864	13.780	ug/L	98
55) Styrene	10.13	104	122179	12.873	ug/L	100
56) Isopropylbenzene	10.50	105	188839	12.994	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	69886	12.232	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	59610	13.358	ug/L	99
61) Bromoform	10.31	173	32746	12.574	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	83691	12.723	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	82764	12.466	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	82258	12.629	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	18596	11.903	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	59822	13.102	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	54633	12.552	ug/L	96
69) Naphthalene	14.11	128	202818	10.998	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	55562	12.636	ug/L	98

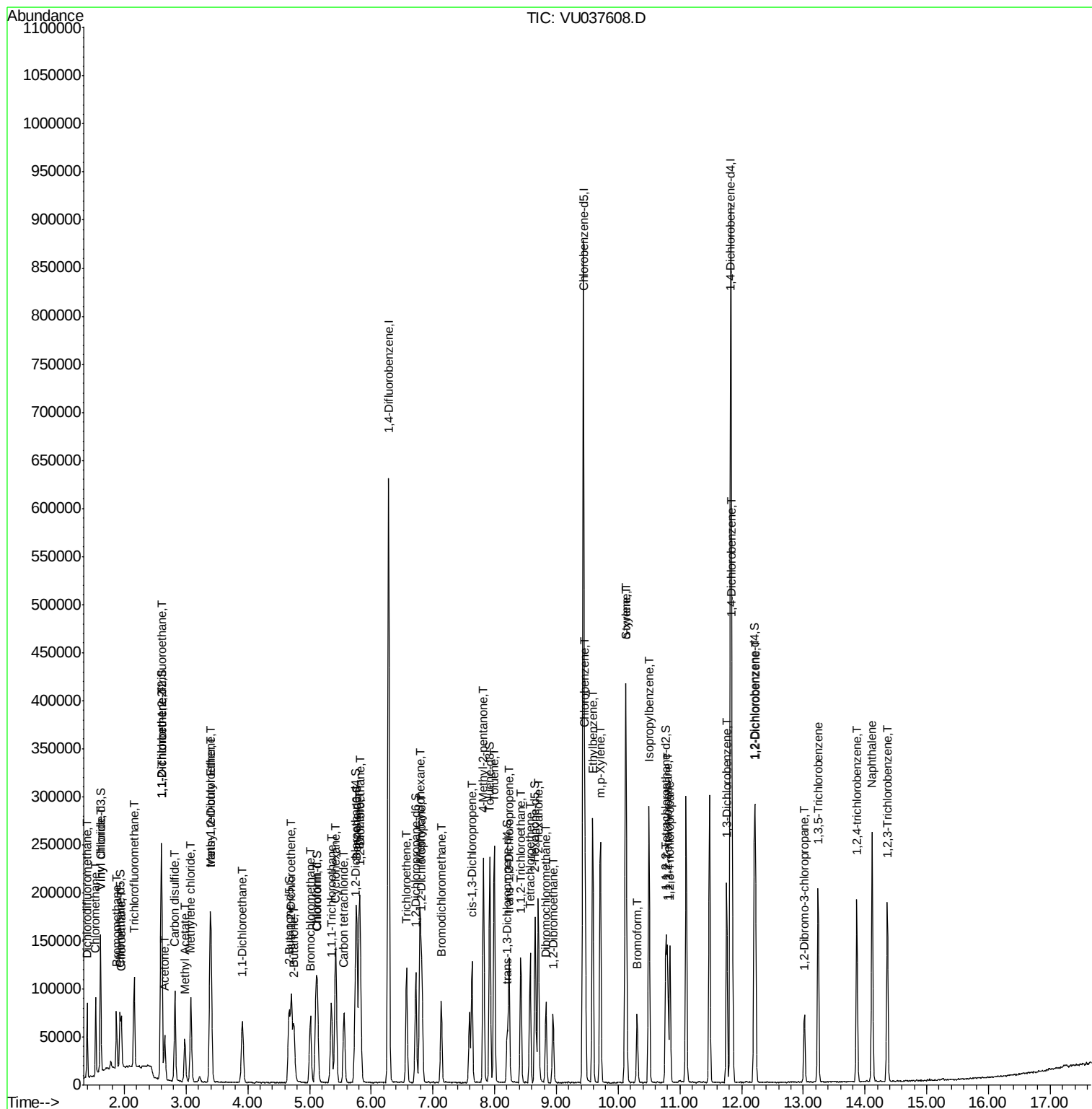
(#) = qualifier out of range (m) = manual integration (+) = signals summed

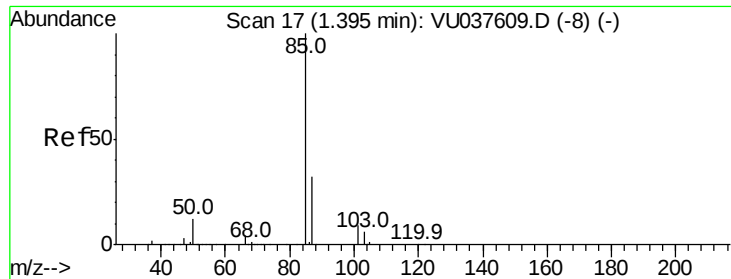
Data File : VU037608.D

```
Acq On       : 09 Apr 2020   10:10
Operator     : JC/MD
Sample       : VSTD010
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Quant Time: Apr 09 11:00:14 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 09 10:58:31 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 13.764 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

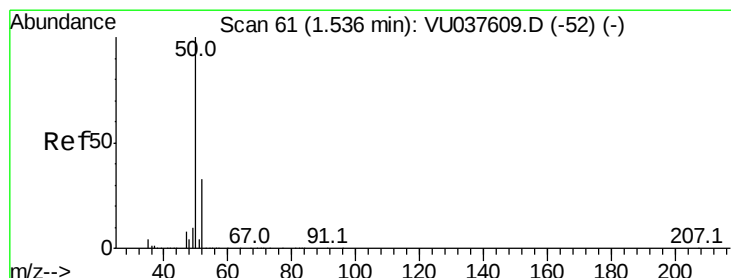
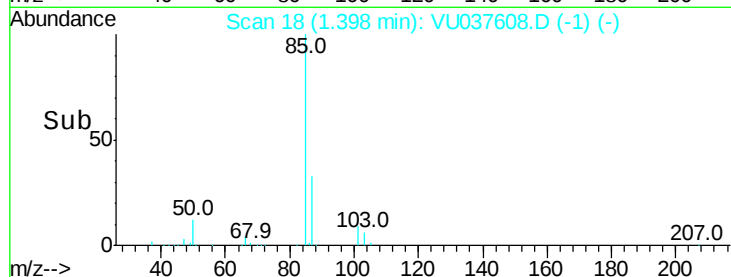
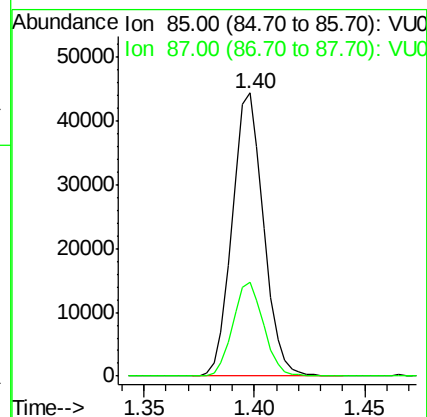
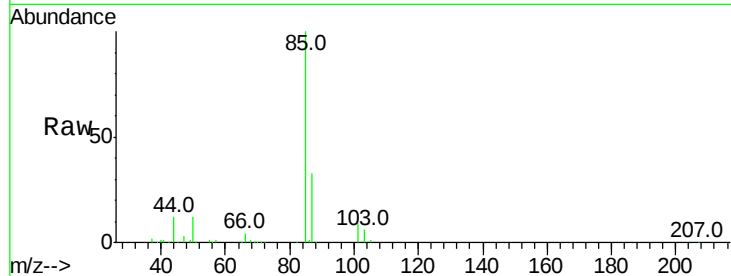
VSTD01032

Tgt Ion: 85 Resp: 43925

Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.2



#3

Chloromethane

Concen: 14.666 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037608.D

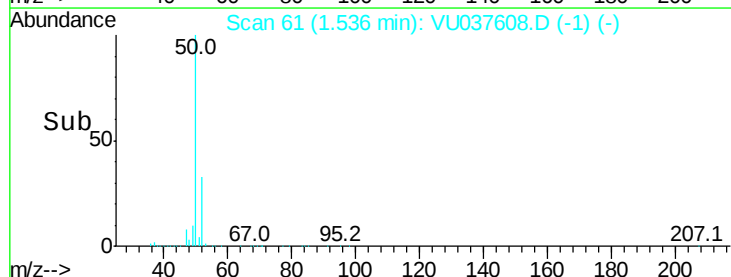
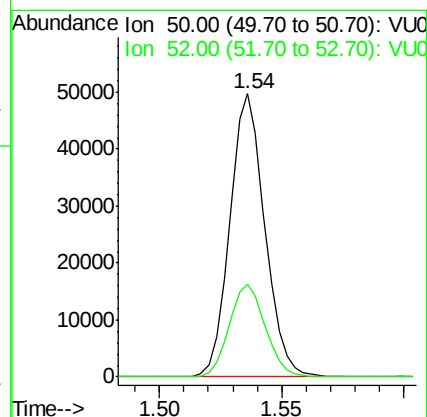
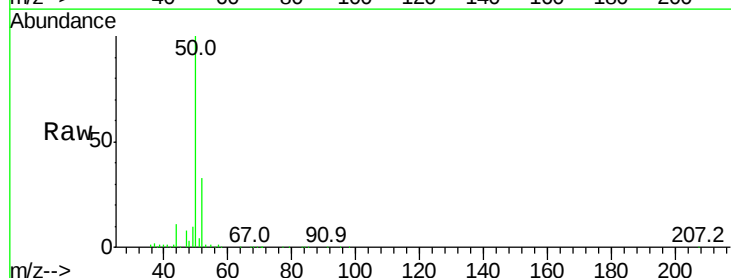
Acq: 09 Apr 2020 10:10

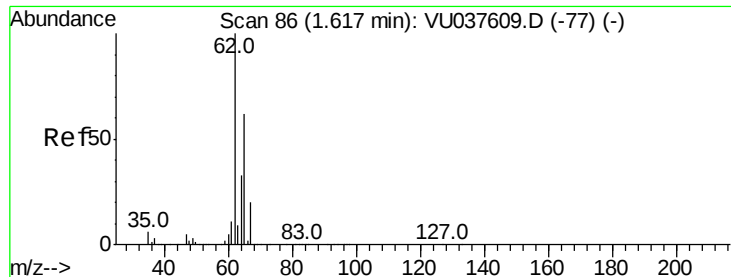
Tgt Ion: 50 Resp: 49646

Ion Ratio Lower Upper

50 100

52 33.0 23.3 43.3





#5

Vinyl chloride

Concen: 15.821 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

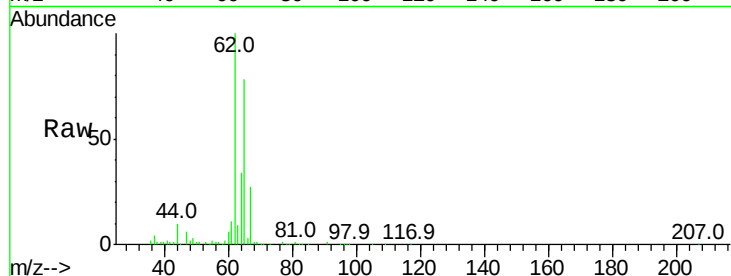
VSTD01032

Tgt Ion: 62 Resp: 53179

Ion Ratio Lower Upper

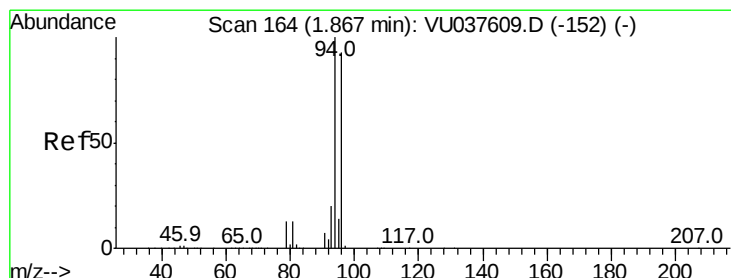
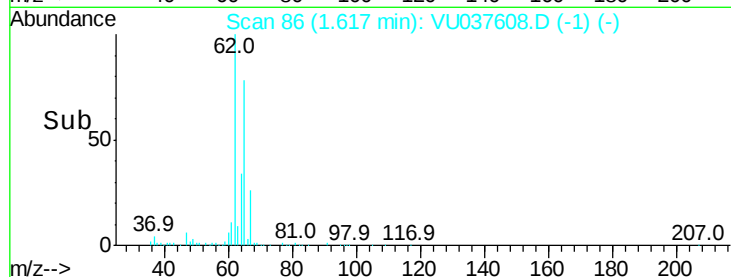
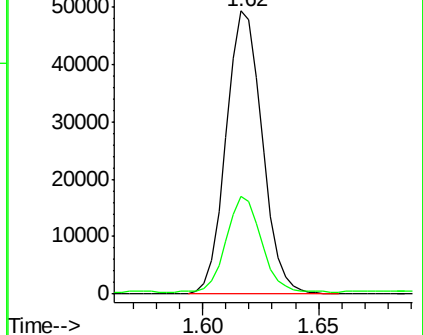
62 100

64 34.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037608.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037608.D (-77) (-)



#6

Bromomethane

Concen: 16.455 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037608.D

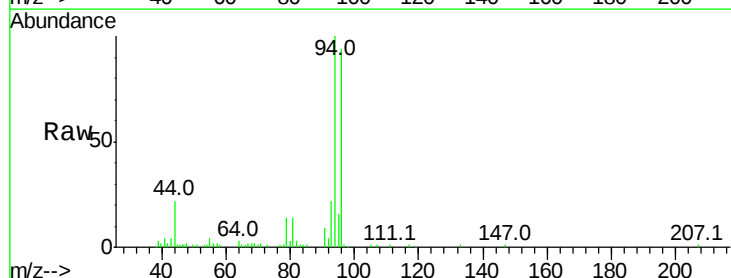
Acq: 09 Apr 2020 10:10

Tgt Ion: 94 Resp: 27279

Ion Ratio Lower Upper

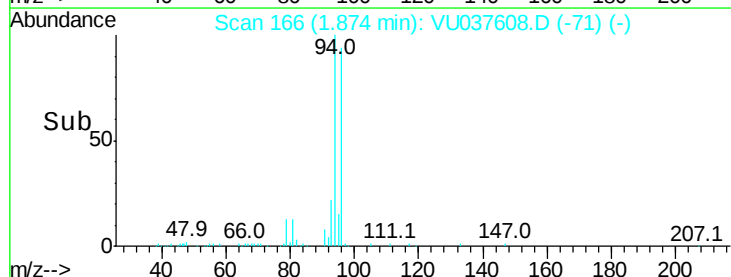
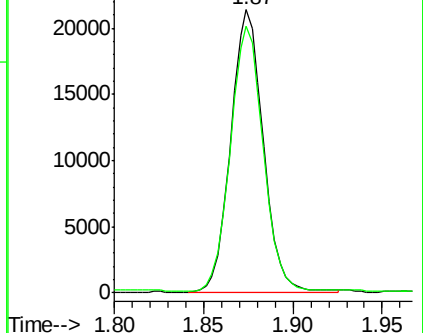
94 100

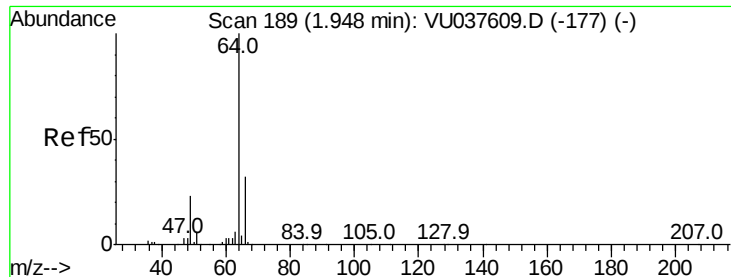
96 94.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VU037608.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU037608.D (-152) (-)

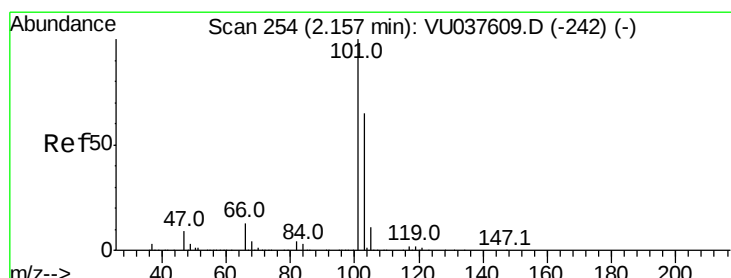
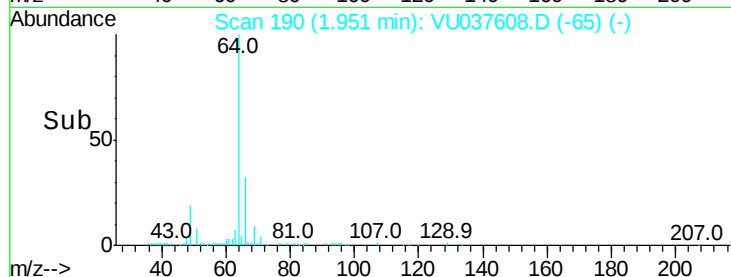
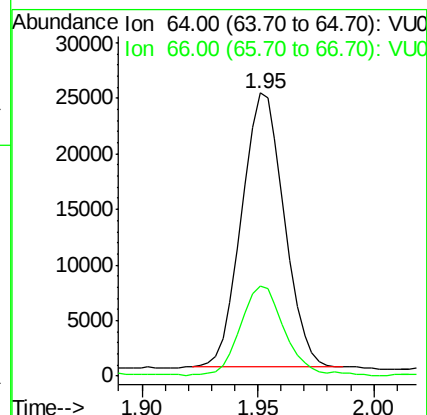
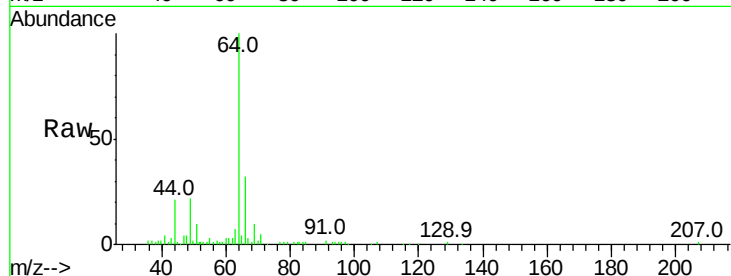




#8
Chloroethane
Concen: 15.852 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

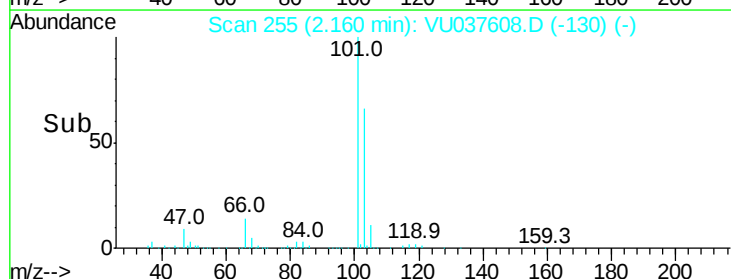
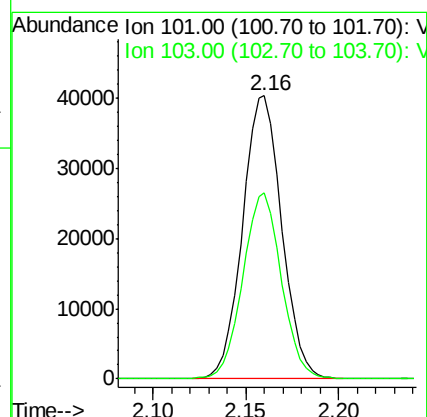
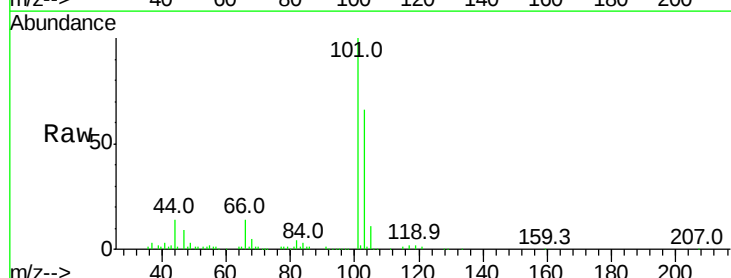
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

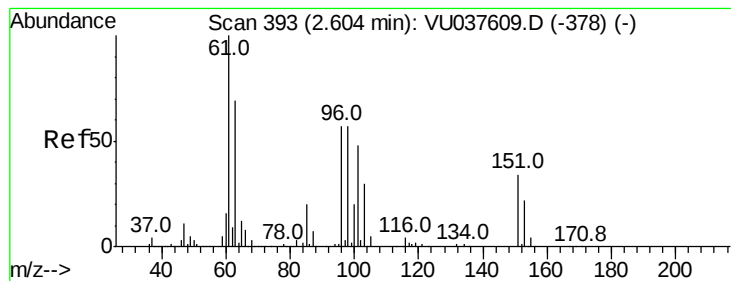
Tgt Ion: 64 Resp: 31426
Ion Ratio Lower Upper
64 100
66 32.0 22.6 42.0



#9
Trichlorofluoromethane
Concen: 12.395 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion: 101 Resp: 59109
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.2





#10

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

Concen: 13.205 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

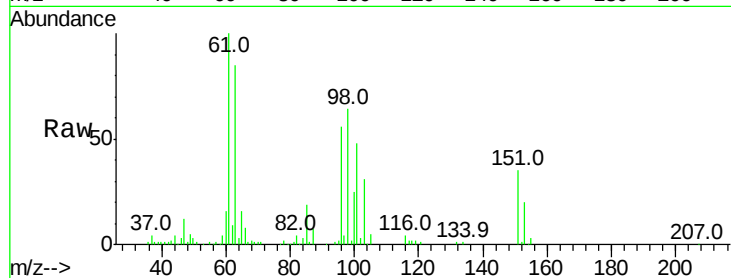
Tgt Ion: 101 Resp: 35920

Ion Ratio Lower Upper

101 100

85 42.5 34.5 51.7

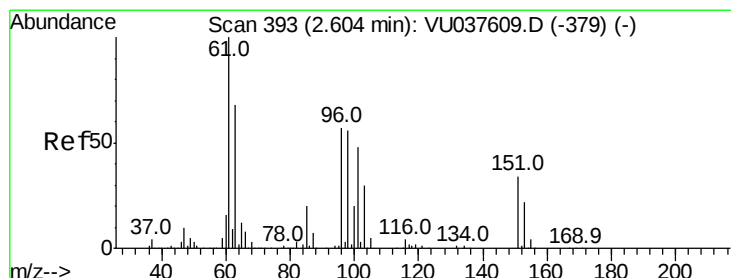
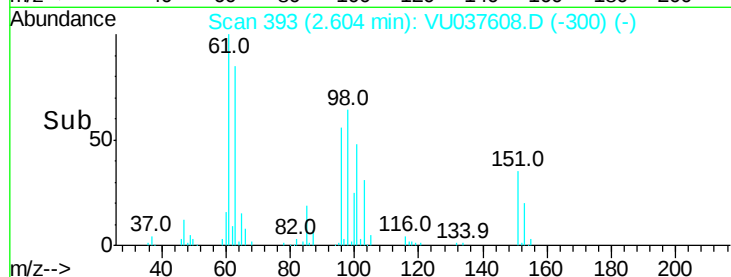
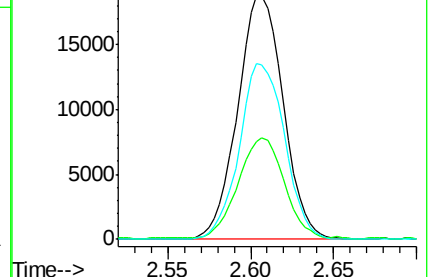
151 71.8 56.8 85.2



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: 13.794 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

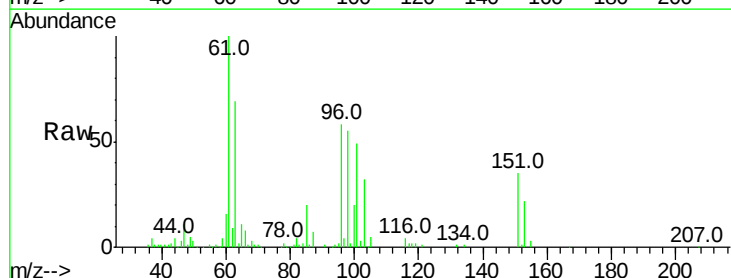
Tgt Ion: 96 Resp: 36423

Ion Ratio Lower Upper

96 100

61 173.5 123.6 229.6

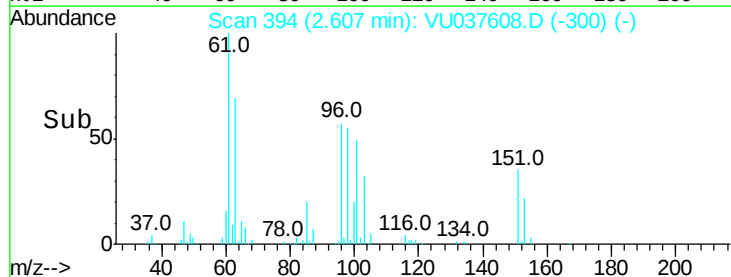
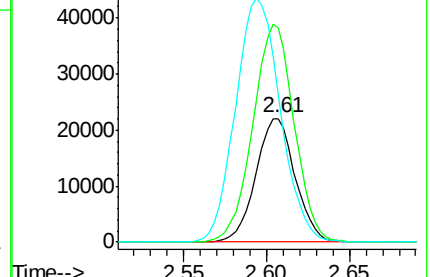
63 118.9 85.7 159.1

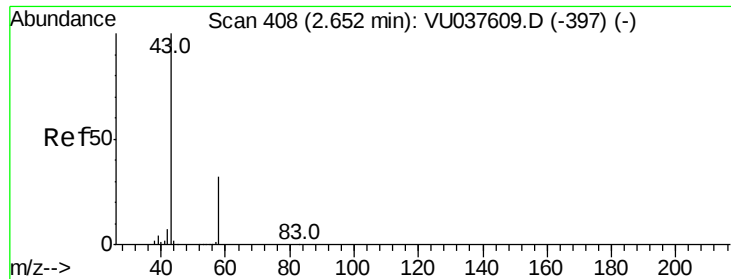


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 27.507 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

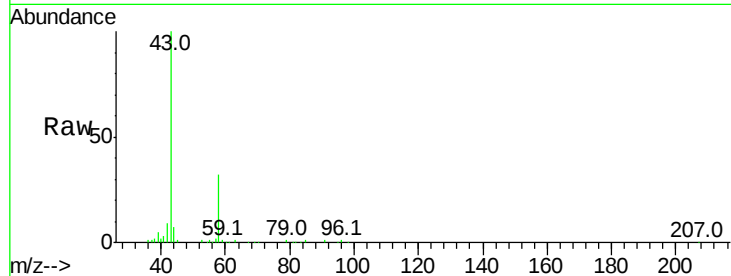
VSTD01032

Tgt Ion: 43 Resp: 47908

Ion Ratio Lower Upper

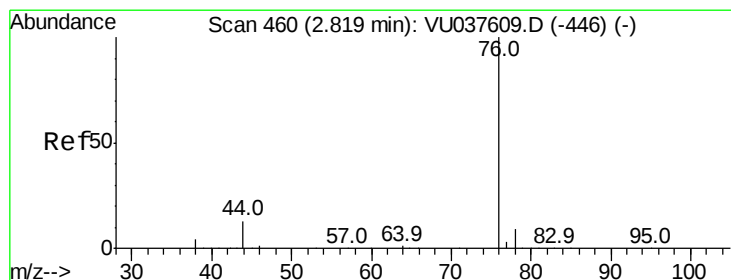
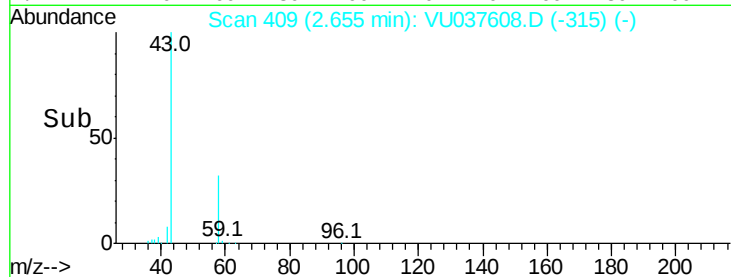
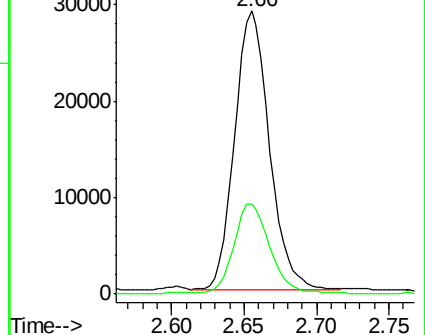
43 100

58 33.9 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VU037609.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037609.D (-397) (-)



#14

Carbon disulfide

Concen: 15.555 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037608.D

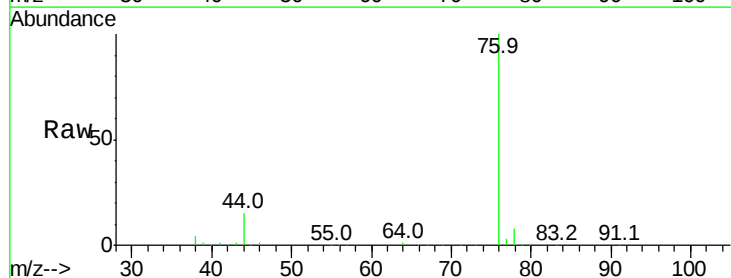
Acq: 09 Apr 2020 10:10

Tgt Ion: 76 Resp: 118638

Ion Ratio Lower Upper

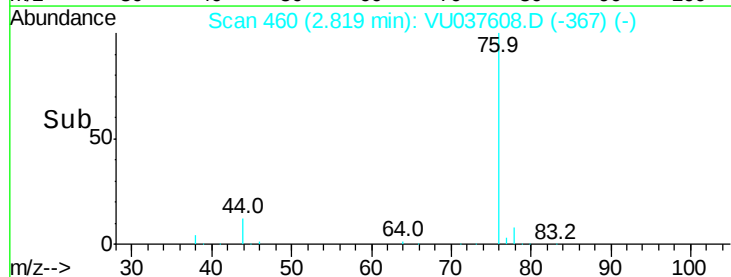
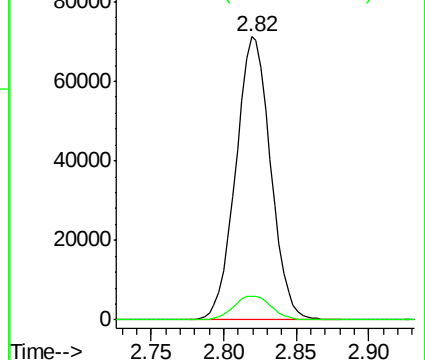
76 100

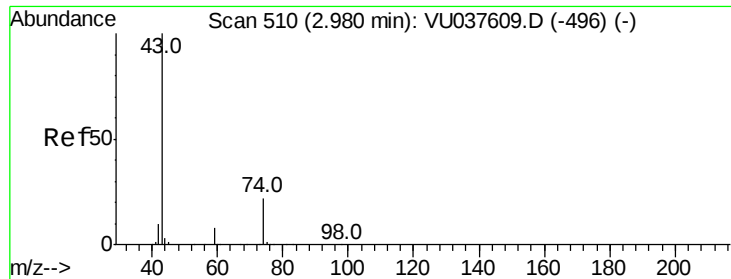
78 8.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU037609.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037609.D (-446) (-)

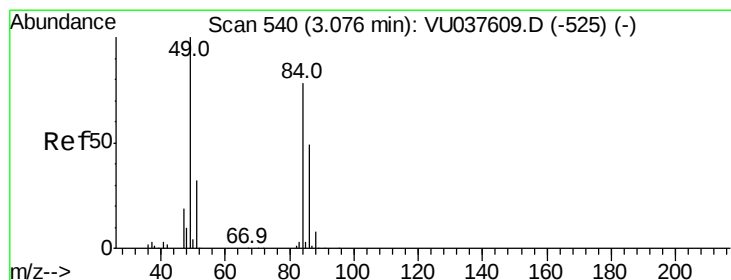
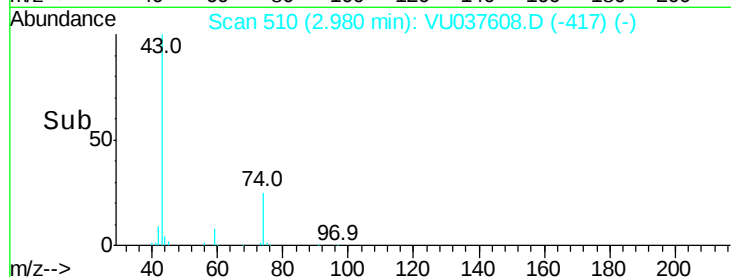
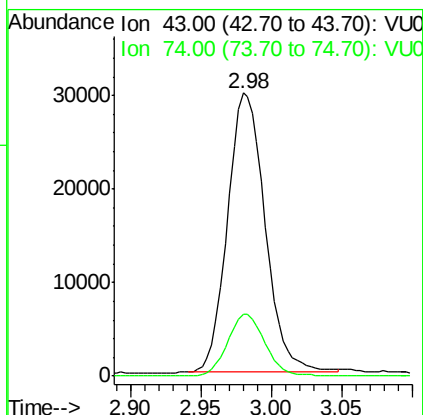
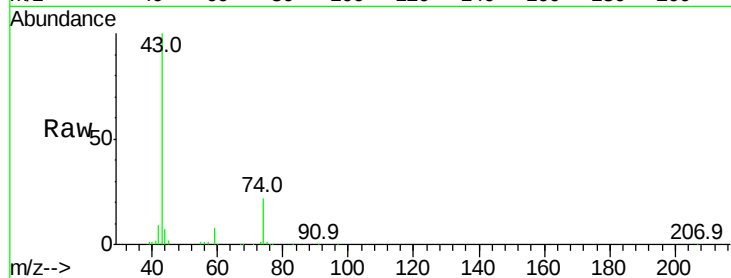




#15
Methyl Acetate
Concen: 14.154 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

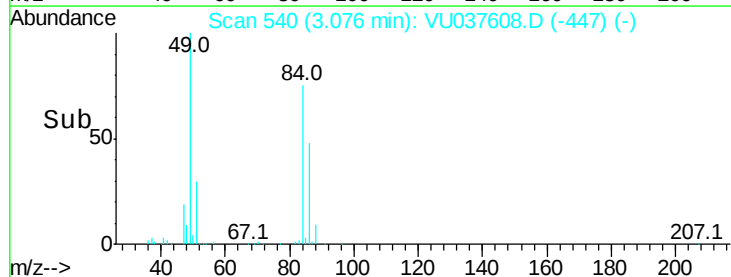
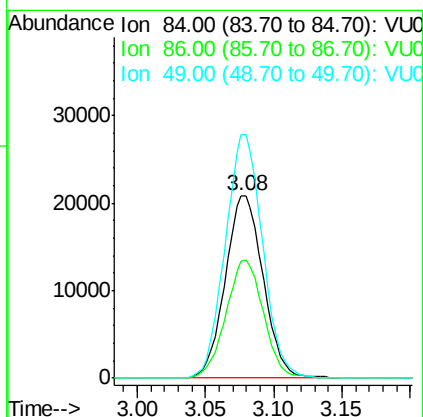
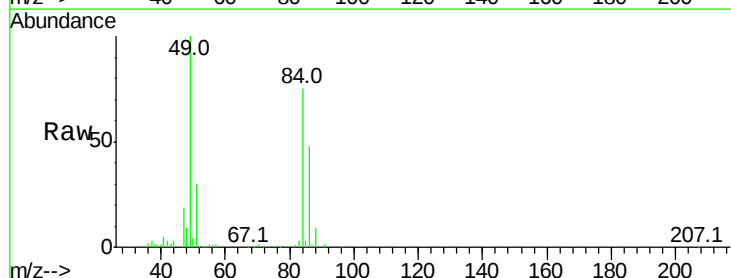
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

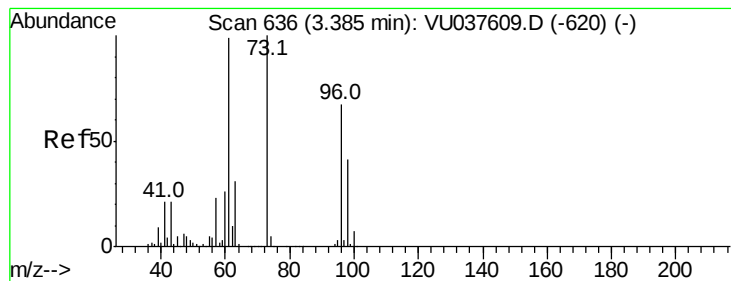
Tgt Ion: 43 Resp: 55862
Ion Ratio Lower Upper
43 100
74 22.0 17.9 26.9



#16
Methylene chloride
Concen: 12.572 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion: 84 Resp: 40265
Ion Ratio Lower Upper
84 100
86 63.9 44.1 81.9
49 133.4 90.3 167.7





#17

trans-1,2-Dichloroethene

Concen: 13.504 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

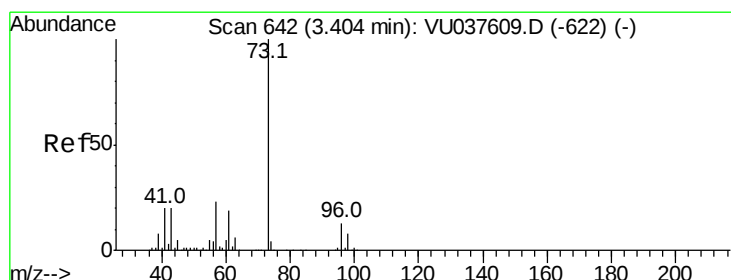
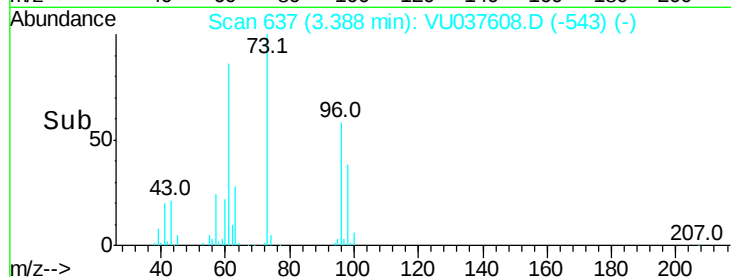
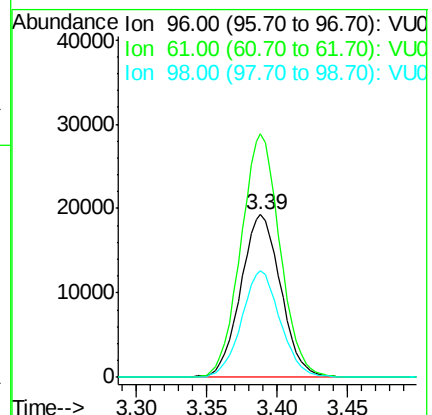
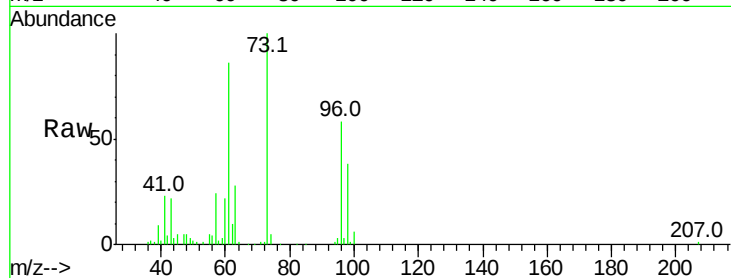
Tgt Ion: 96 Resp: 38395

Ion Ratio Lower Upper

96 100

61 149.9 103.2 191.6

98 65.9 43.1 80.1



#18

Methyl tert-butyl Ether

Concen: 13.259 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

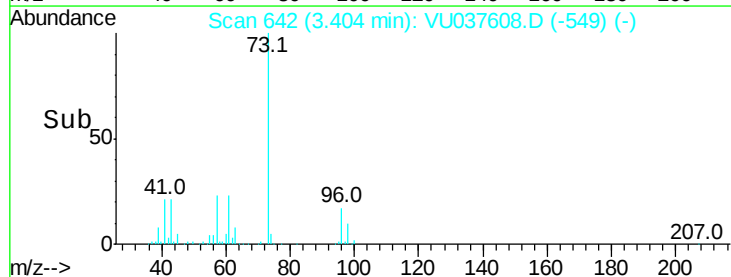
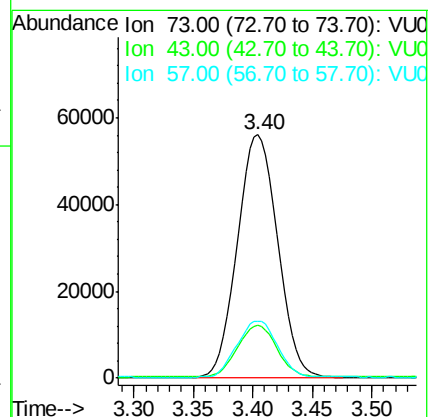
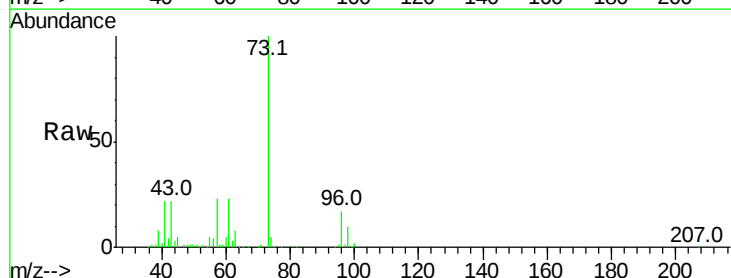
Tgt Ion: 73 Resp: 132151

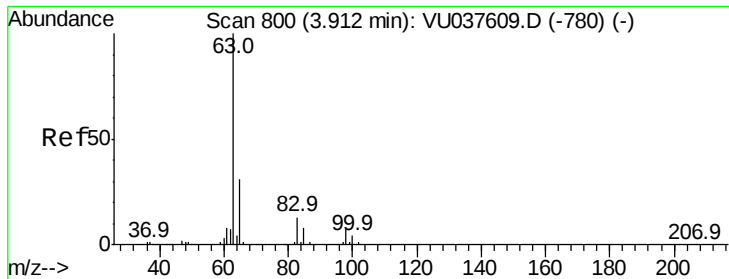
Ion Ratio Lower Upper

73 100

43 20.8 16.3 24.5

57 23.1 18.3 27.5

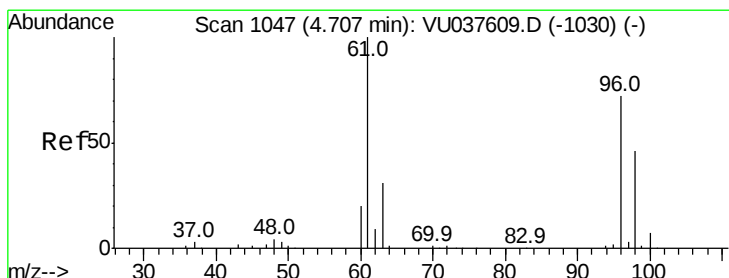
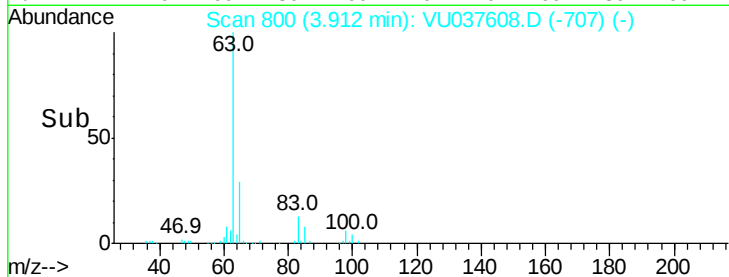
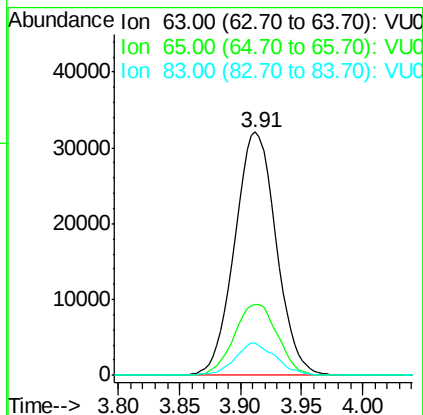
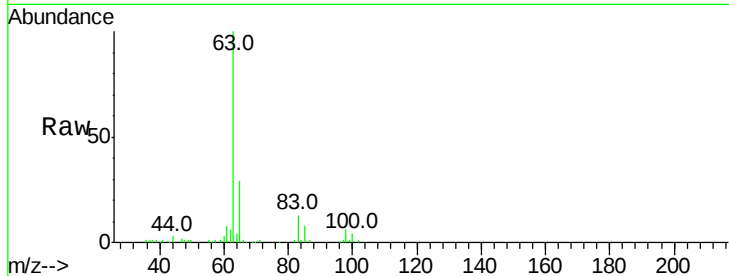




#19
 1,1-Dichloroethane
 Concen: 13.600 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

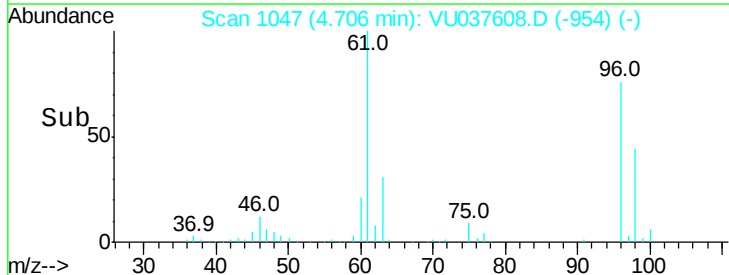
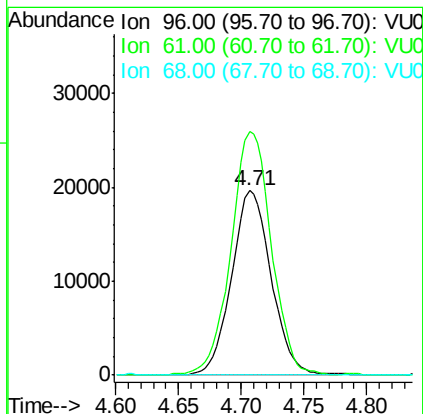
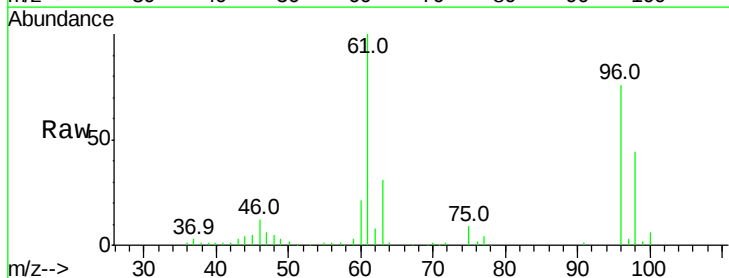
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

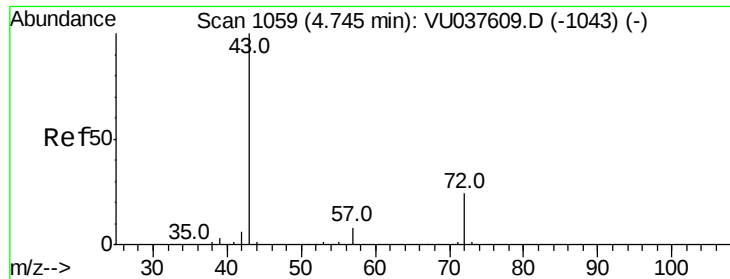
Tgt Ion: 63 Resp: 75760
 Ion Ratio Lower Upper
 63 100
 65 28.9 21.9 40.7
 83 13.4 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 13.162 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion: 96 Resp: 43097
 Ion Ratio Lower Upper
 96 100
 61 131.9 97.5 181.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 29.054 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

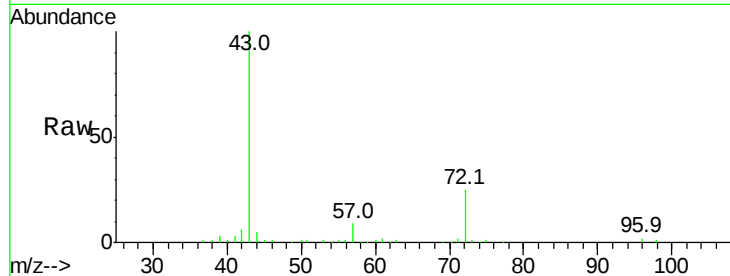
VSTD01032

Tgt Ion: 43 Resp: 82594

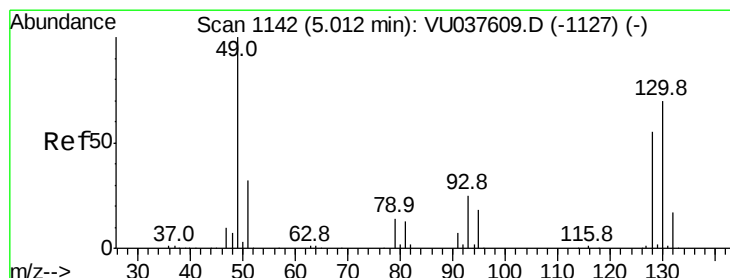
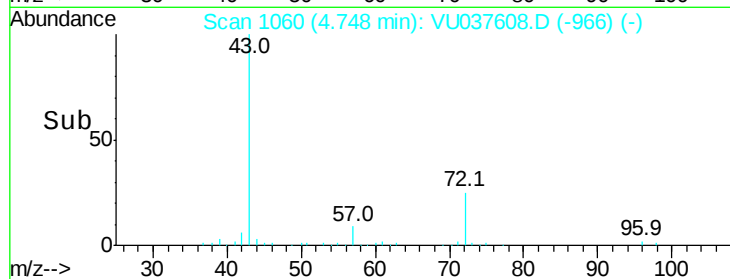
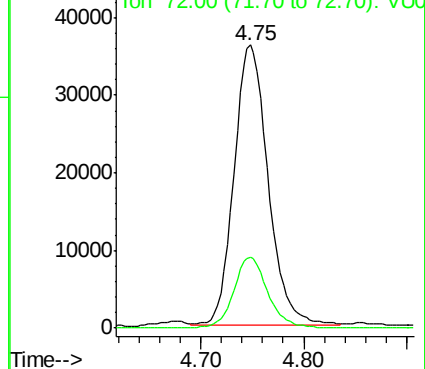
Ion Ratio Lower Upper

43 100

72 25.3 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VU037608.D (-1060) (-)



#23

Bromochloromethane

Concen: 12.973 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Tgt Ion: 128 Resp: 20388

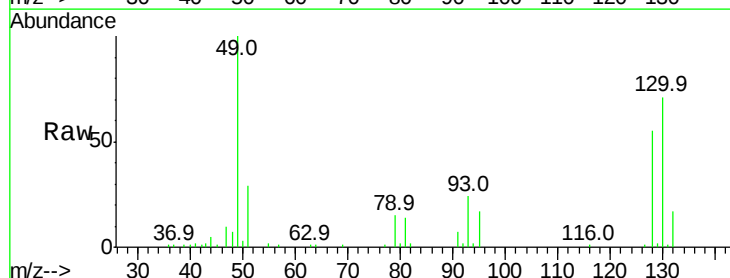
Ion Ratio Lower Upper

128 100

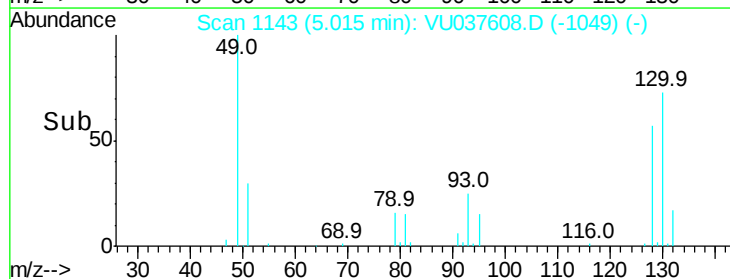
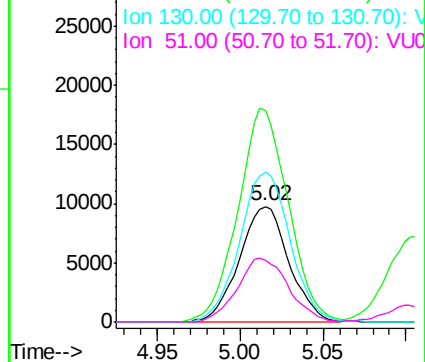
49 182.7 128.7 238.9

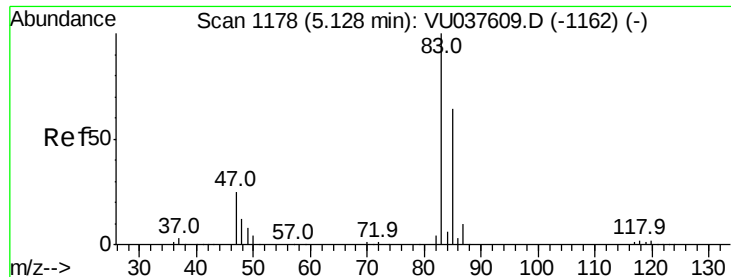
130 129.0 89.9 167.0

51 52.7 46.4 69.6



Abundance Ion 128.00 (127.70 to 128.70): VU037608.D (-1143) (-)

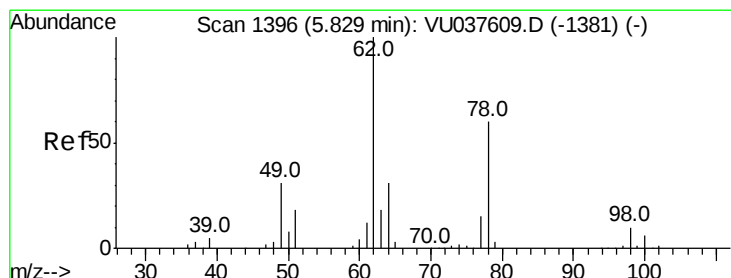
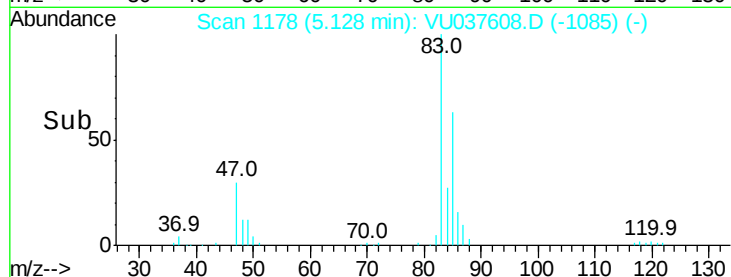
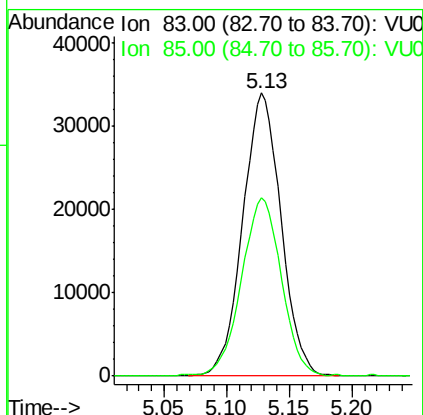
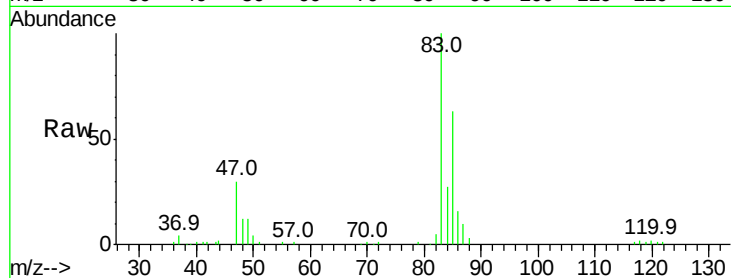




#25
Chloroform
Concen: 12.471 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

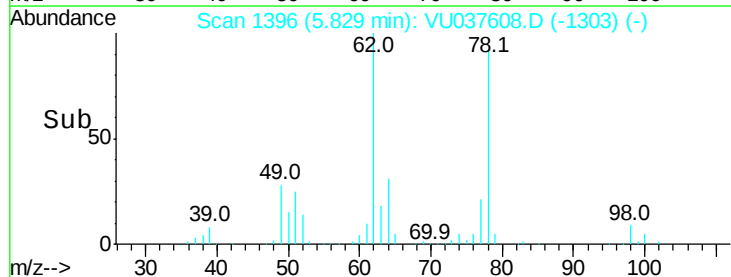
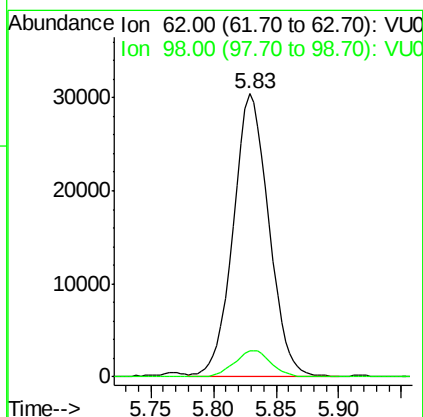
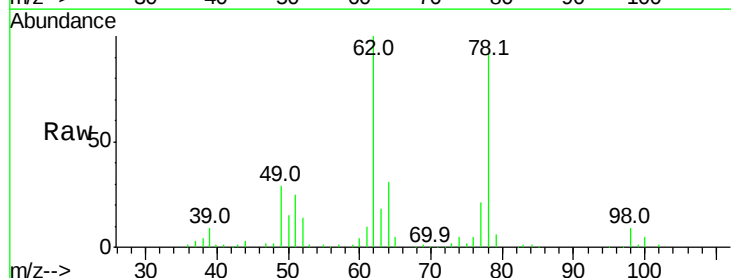
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

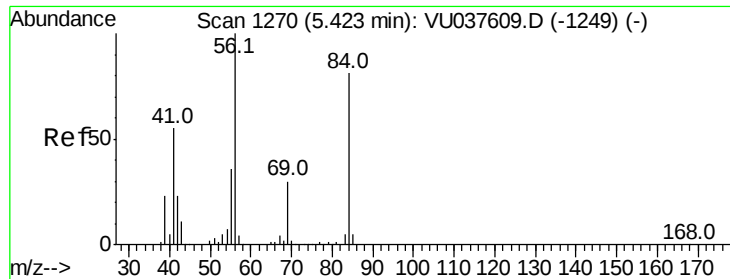
Tgt Ion: 83 Resp: 72436
Ion Ratio Lower Upper
83 100
85 63.2 45.5 84.5



#27
1,2-Dichloroethane
Concen: 13.409 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion: 62 Resp: 60106
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.6

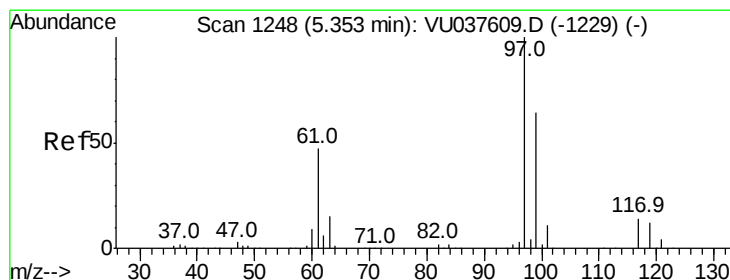
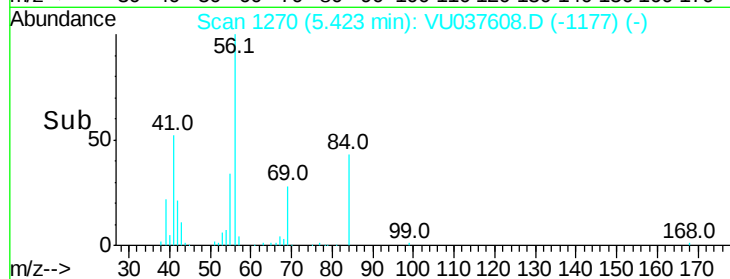
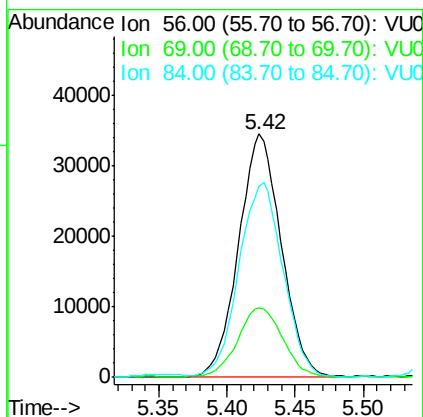
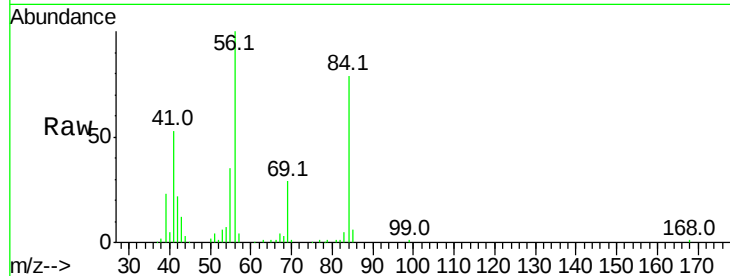




#29
Cyclohexane
Concen: 15.403 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

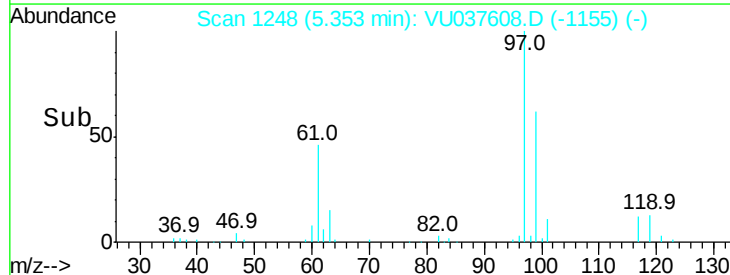
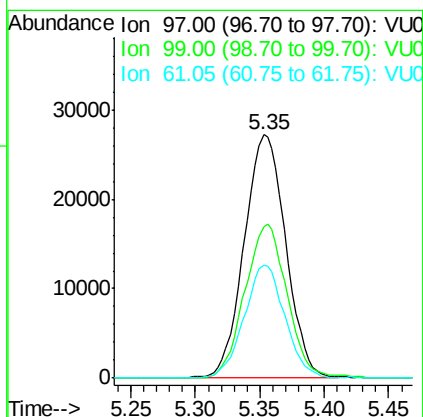
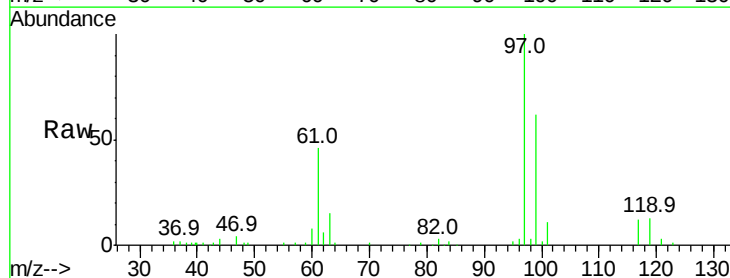
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

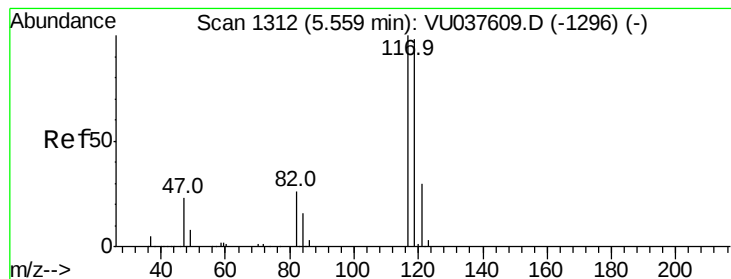
Tgt Ion: 56 Resp: 75059
Ion Ratio Lower Upper
56 100
69 30.5 24.0 36.0
84 83.0 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 12.399 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion: 97 Resp: 61113
Ion Ratio Lower Upper
97 100
99 63.9 51.9 77.9
61 45.5 37.1 55.7





#31

Carbon tetrachloride

Concen: 12.043 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

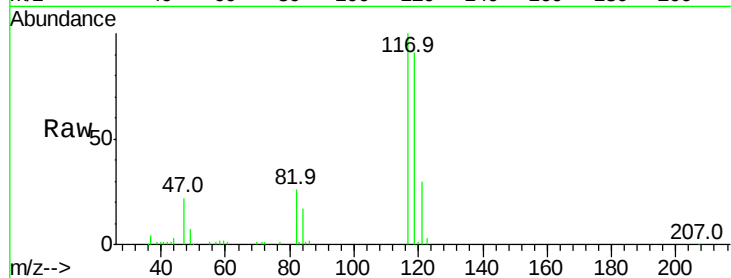
VSTD01032

Tgt Ion:117 Resp: 48853

Ion Ratio Lower Upper

117 100

119 94.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

25000

20000

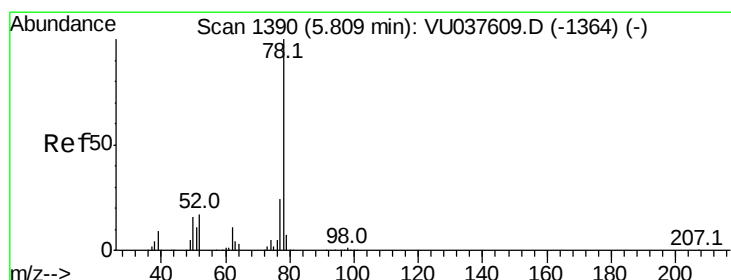
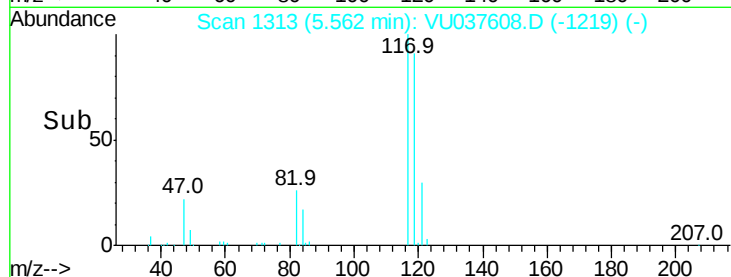
15000

10000

5000

0

Time--> 5.50 5.55 5.60



#33

Benzene

Concen: 13.438 ug/L

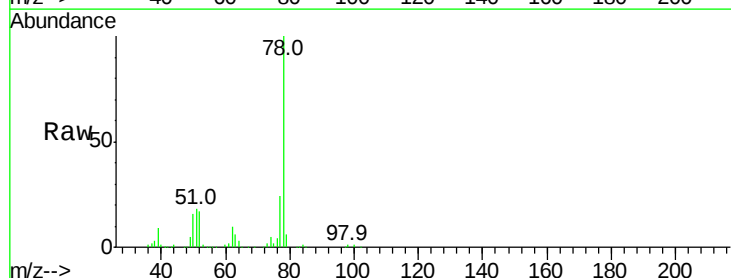
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Tgt Ion: 78 Resp: 163713



Abundance Ion 78.00 (77.70 to 78.70): VU0

80000

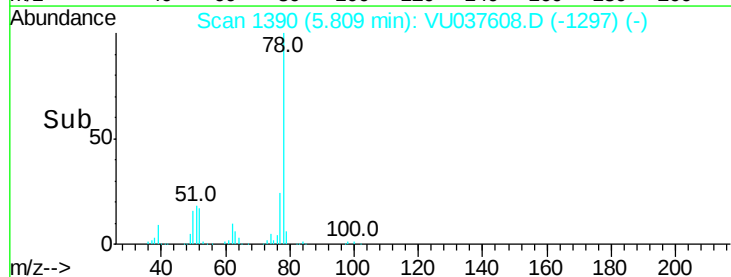
60000

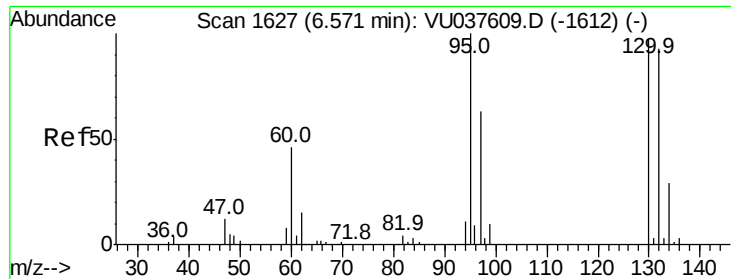
40000

20000

0

Time--> 5.70 5.75 5.80 5.85 5.90

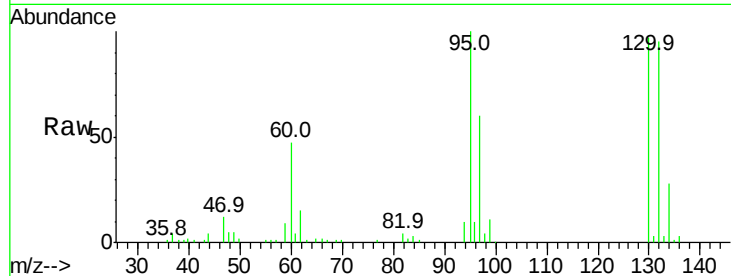




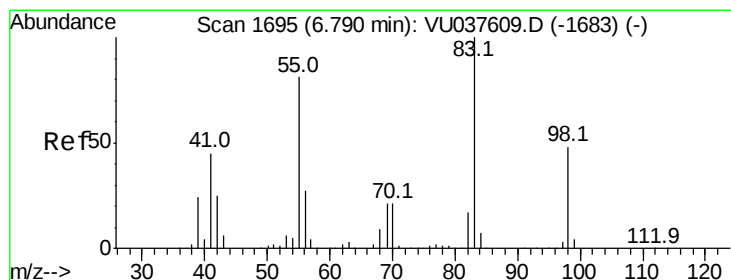
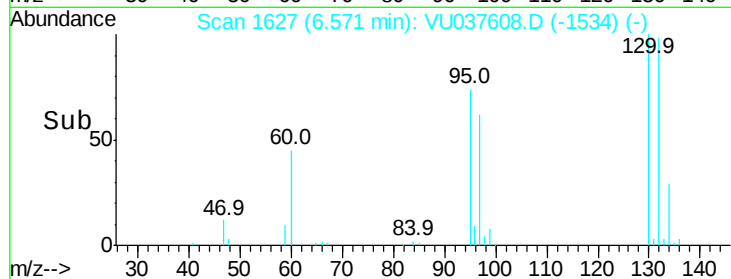
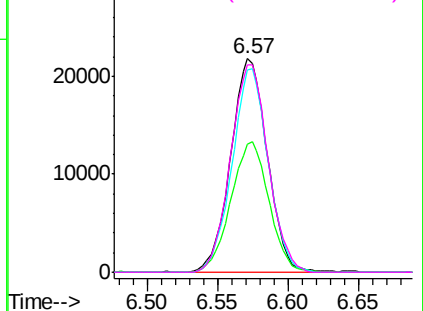
#34
 Trichloroethene
 Concen: 12.456 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

Tgt Ion:	95	Resp:	39680
Ion	Ratio	Lower	Upper
95	100		
97	59.8	43.8	81.4
132	94.8	64.8	120.4
130	96.8	68.2	126.6

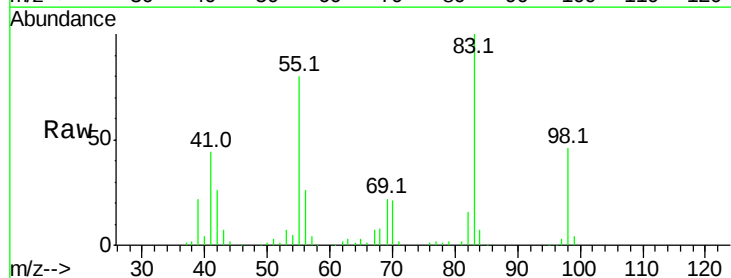


Abundance Ion 95.00 (94.70 to 95.70): VU037609.D (-1612) (-)
 Ion 97.00 (96.70 to 97.70): VU037609.D (-1612) (-)
 Ion 132.00 (131.70 to 132.70): VU037609.D (-1612) (-)
 Ion 130.00 (129.70 to 130.70): VU037609.D (-1612) (-)

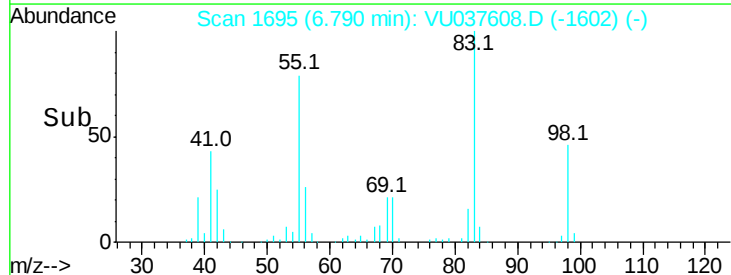
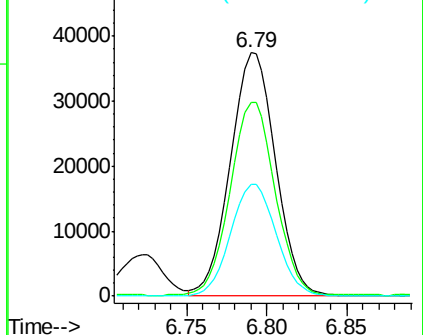


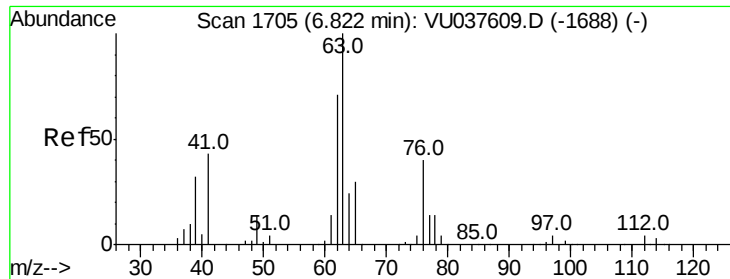
#35
 Methylcyclohexane
 Concen: 14.693 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion:	83	Resp:	72320
Ion	Ratio	Lower	Upper
83	100		
55	78.6	64.6	96.8
98	46.4	38.0	57.0



Abundance Ion 83.00 (82.70 to 83.70): VU037609.D (-1683) (-)
 Ion 55.00 (54.70 to 55.70): VU037609.D (-1683) (-)
 Ion 98.00 (97.70 to 98.70): VU037609.D (-1683) (-)

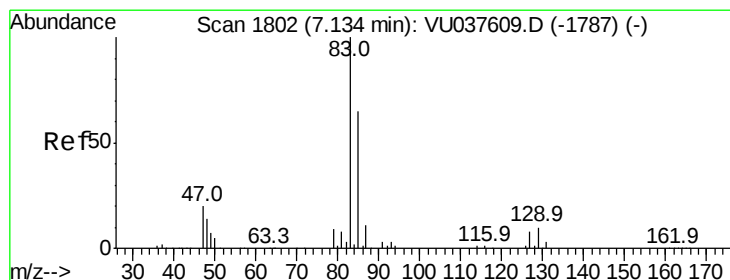
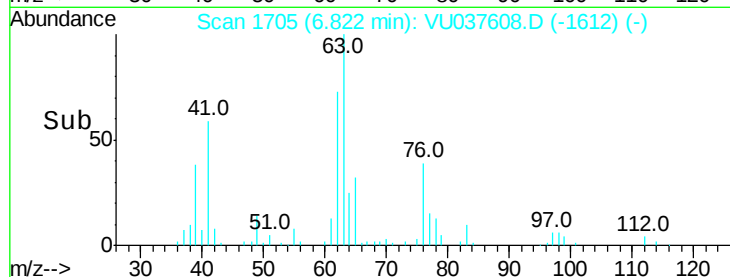
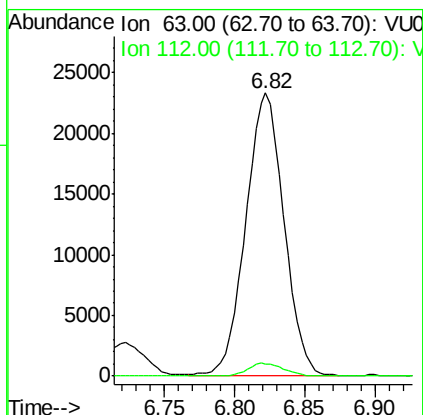
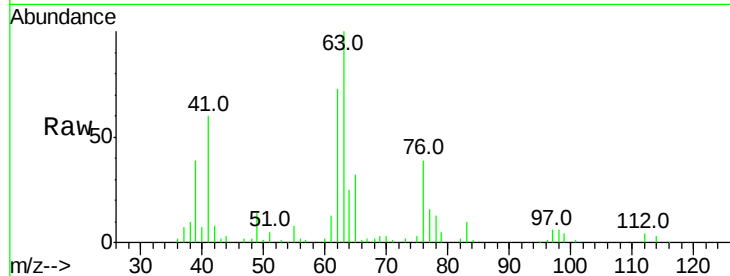




#37
 1,2-Dichloropropane
 Concen: 12.772 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

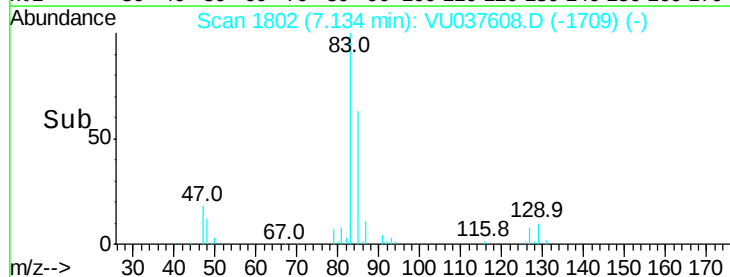
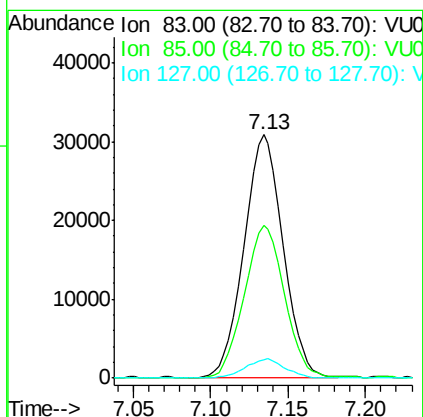
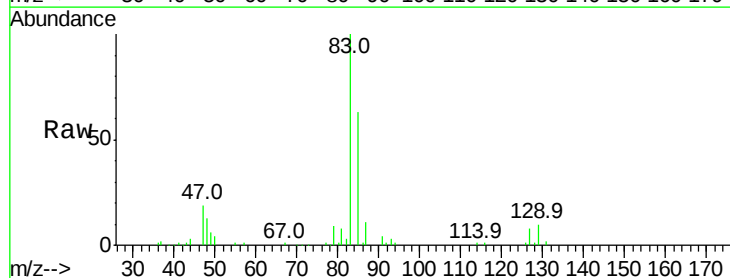
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

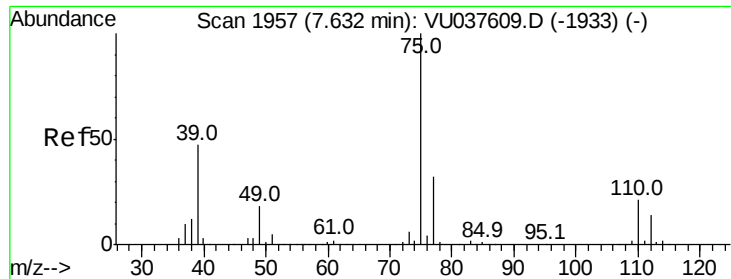
Tgt Ion: 63 Resp: 44335
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 12.075 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion: 83 Resp: 54518
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.1 83.7
 127 7.5 6.6 9.8

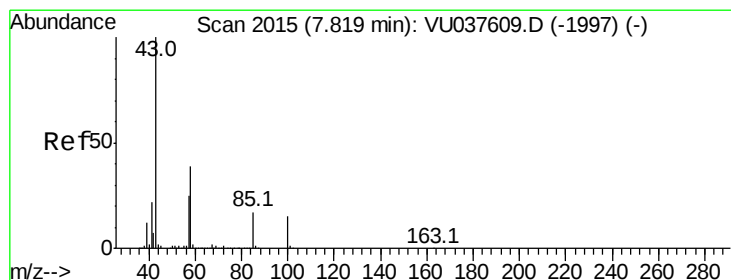
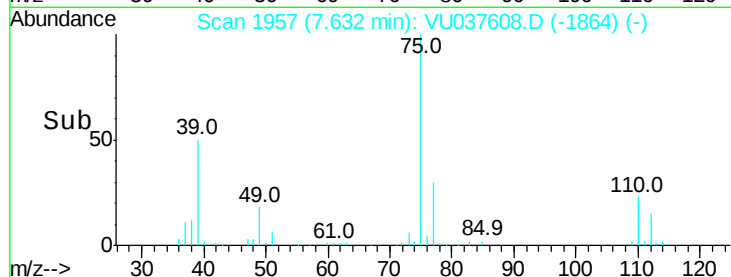
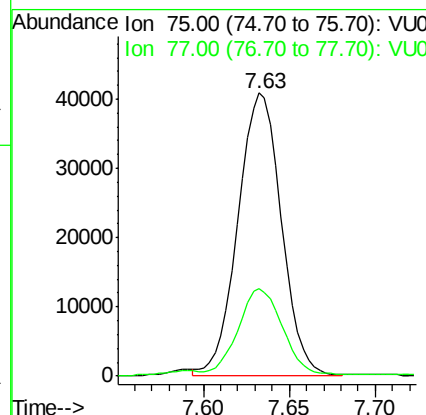
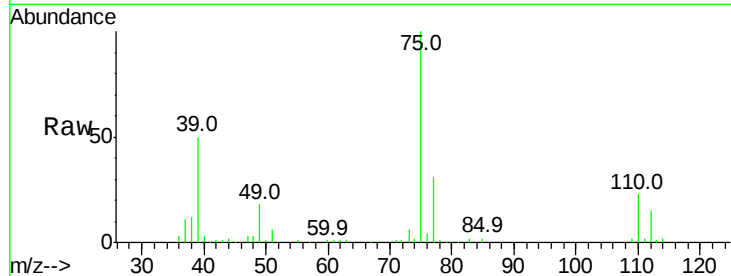




#39
 cis-1,3-Dichloropropene
 Concen: 13.314 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

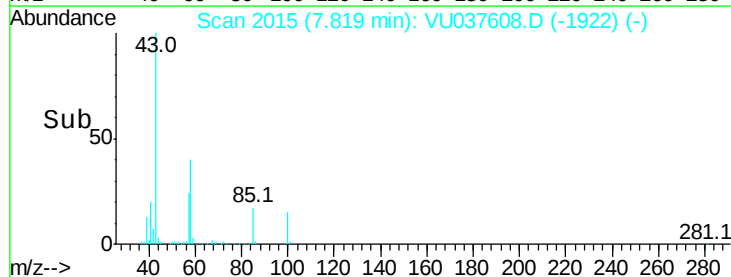
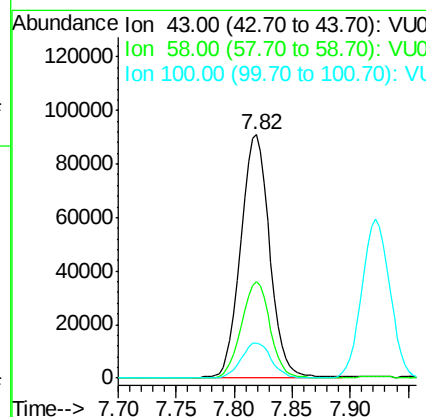
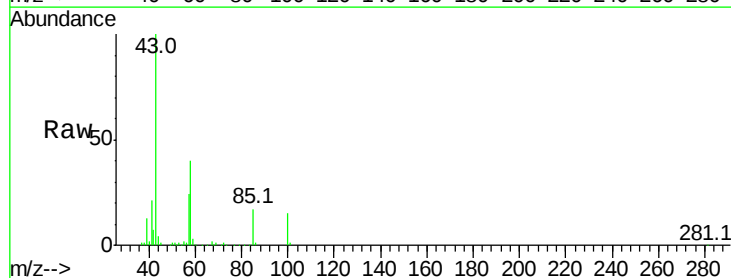
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

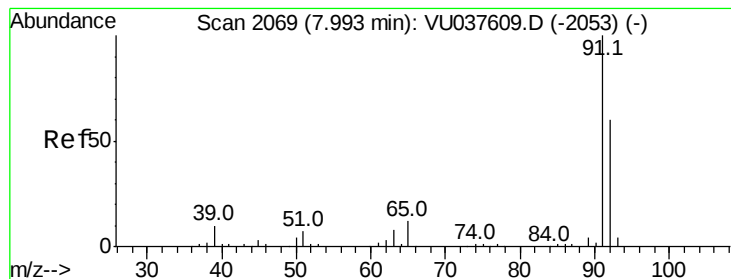
Tgt Ion: 75 Resp: 72183
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 27.689 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion: 43 Resp: 155970
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.5 47.3
 100 15.0 12.0 18.0





#42

Toluene

Concen: 13.128 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

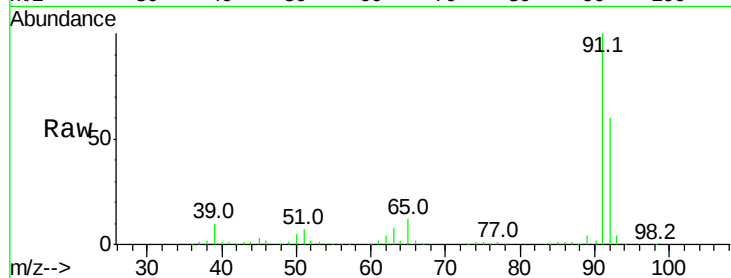
VSTD01032

Tgt Ion: 91 Resp: 173074

Ion Ratio Lower Upper

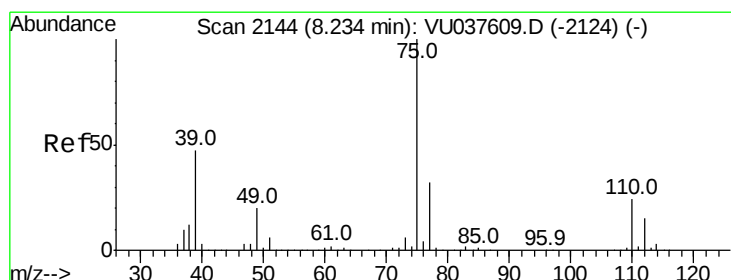
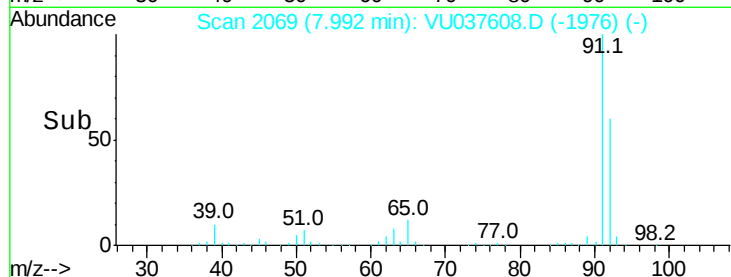
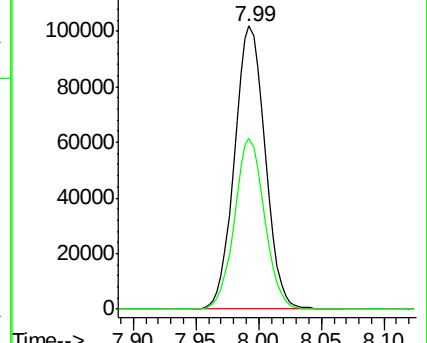
91 100

92 60.2 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VU037608.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037608.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 13.212 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037608.D

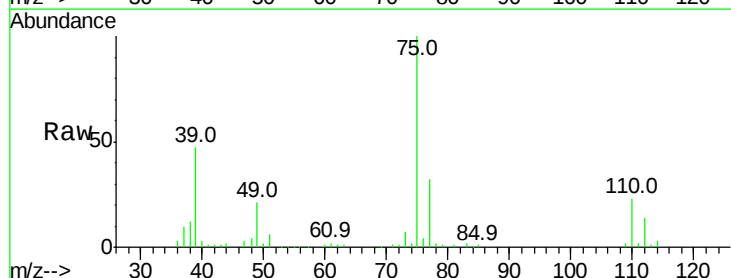
Acq: 09 Apr 2020 10:10

Tgt Ion: 75 Resp: 70542

Ion Ratio Lower Upper

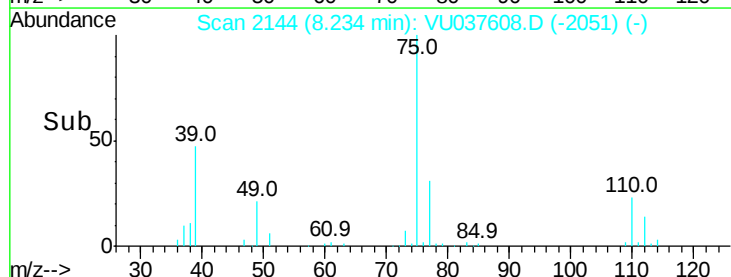
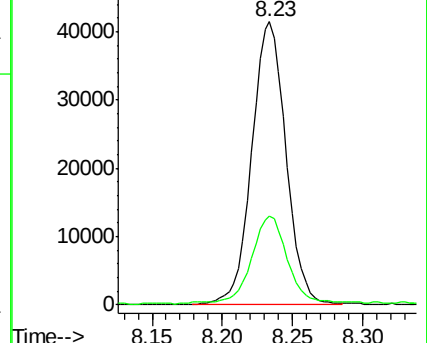
75 100

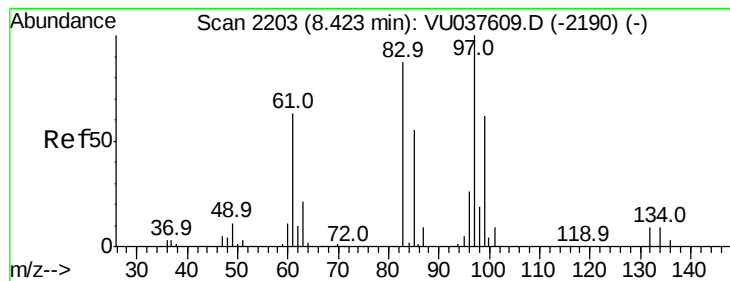
77 31.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU037608.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU037608.D (-2051) (-)





#45

1,1,2-Trichloroethane

Concen: 12.642 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

Tgt Ion: 97 Resp: 40065

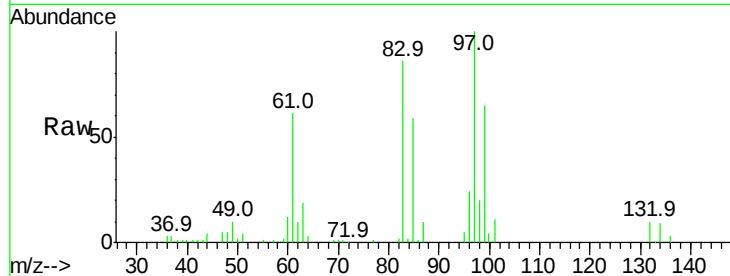
Ion Ratio Lower Upper

97 100

99 64.8 43.6 81.0

83 85.7 61.2 113.8

85 59.1 38.4 71.4

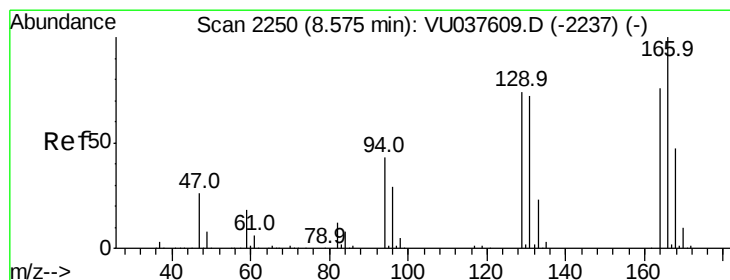
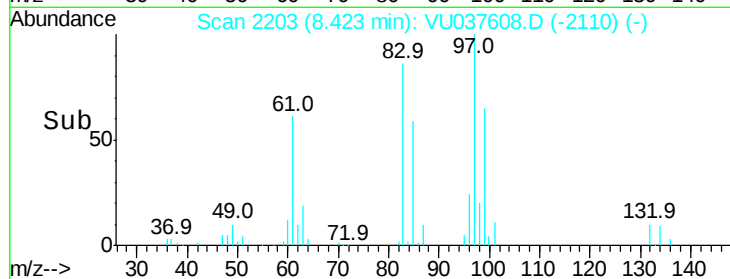
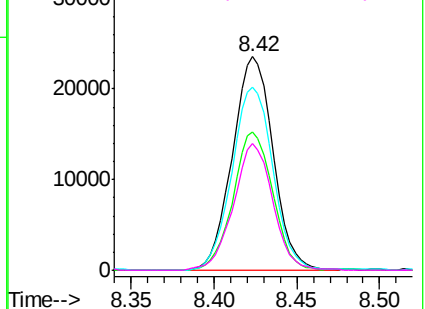


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 14.064 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Tgt Ion: 164 Resp: 30082

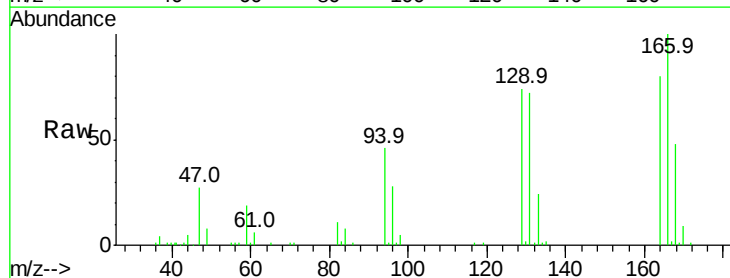
Ion Ratio Lower Upper

164 100

129 92.4 68.0 126.2

131 89.8 65.8 122.2

166 125.0 92.0 170.9

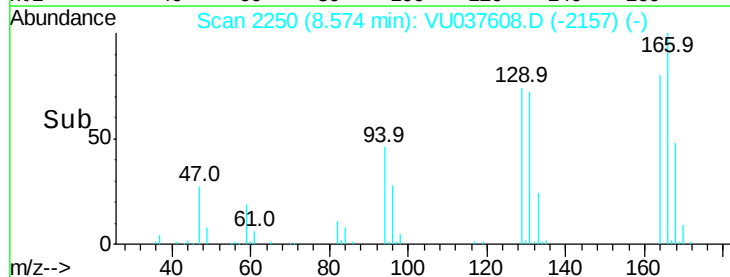
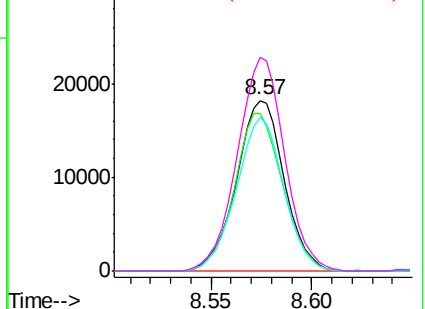


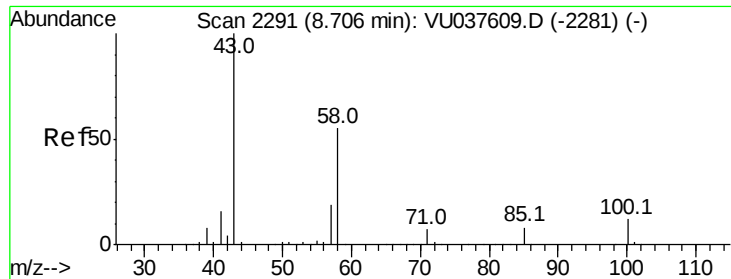
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

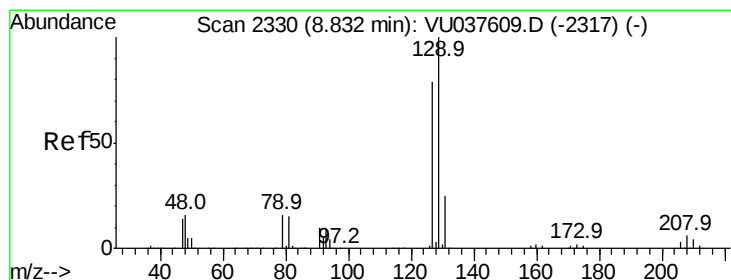
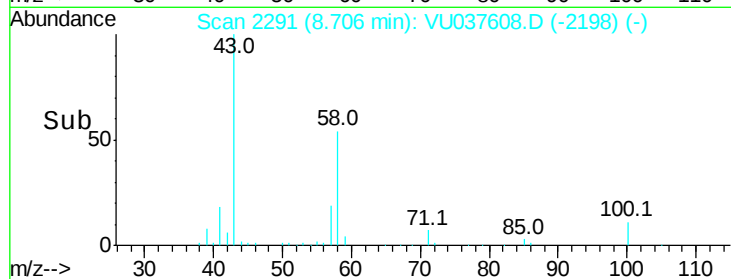
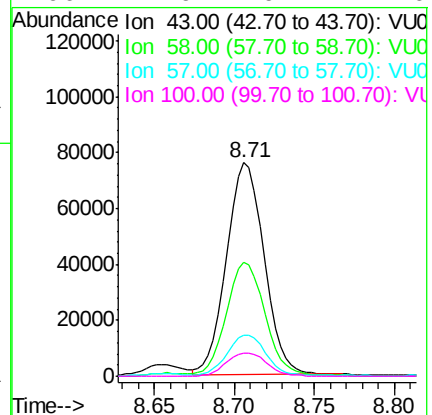
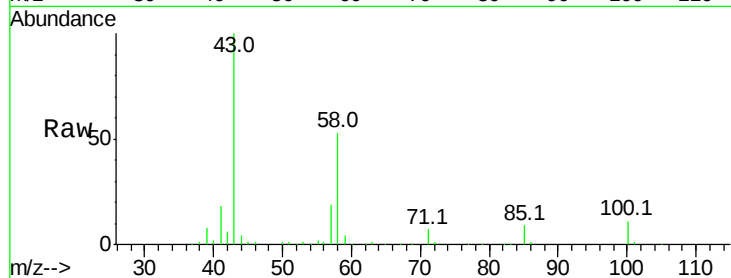




#48
2-Hexanone
Concen: 27.844 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

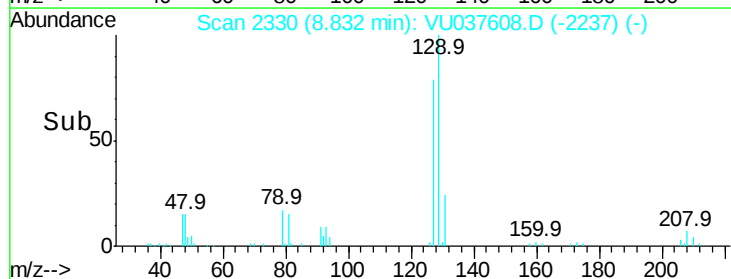
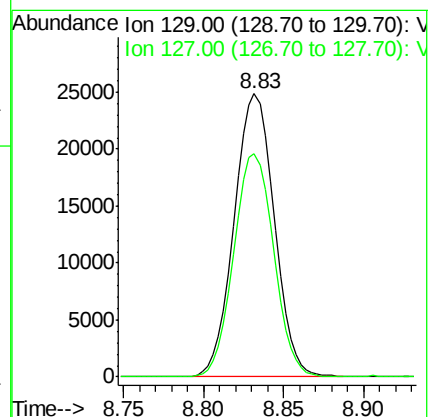
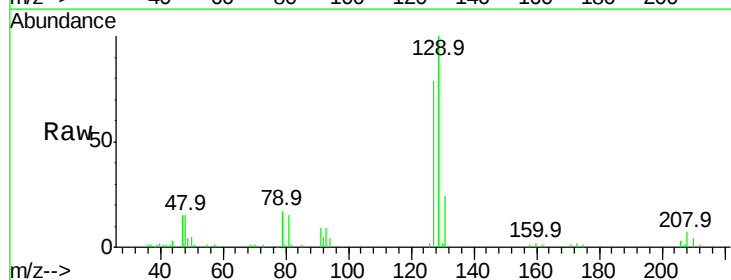
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

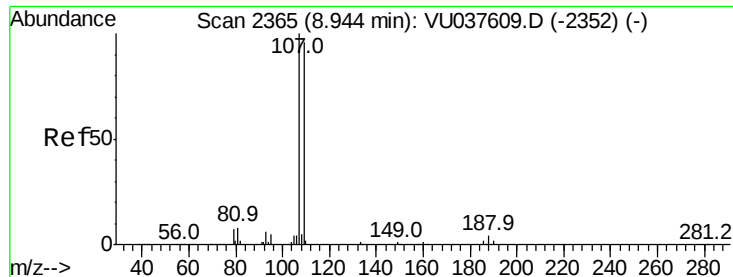
Tgt Ion: 43 Resp: 121971
Ion Ratio Lower Upper
43 100
58 54.1 44.0 66.0
57 19.7 15.2 22.8
100 11.9 9.4 14.0



#49
Dibromochloromethane
Concen: 12.032 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion: 129 Resp: 42534
Ion Ratio Lower Upper
129 100
127 79.0 55.2 102.6

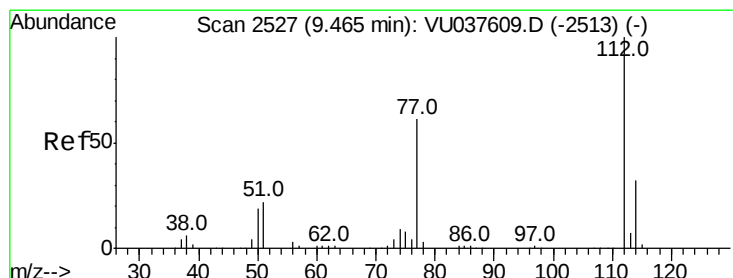
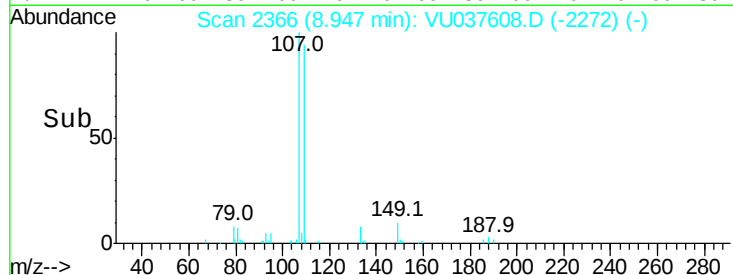
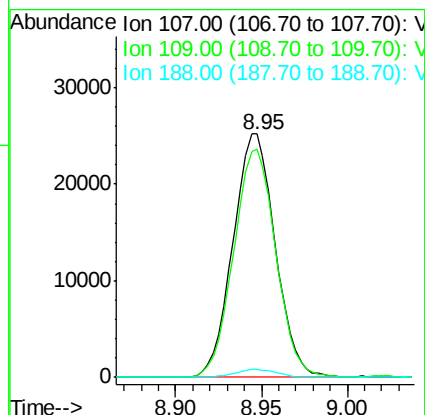
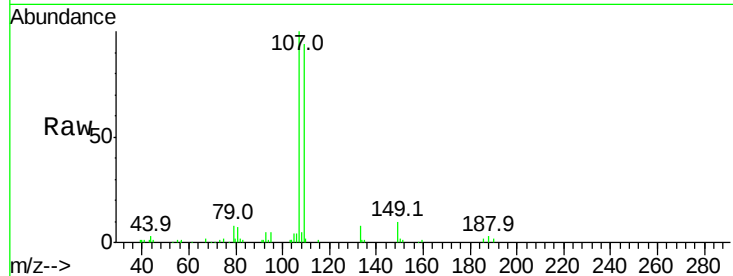




#50
1,2-Dibromoethane
Concen: 12.307 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

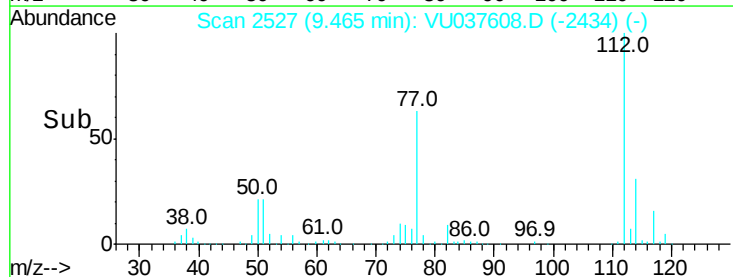
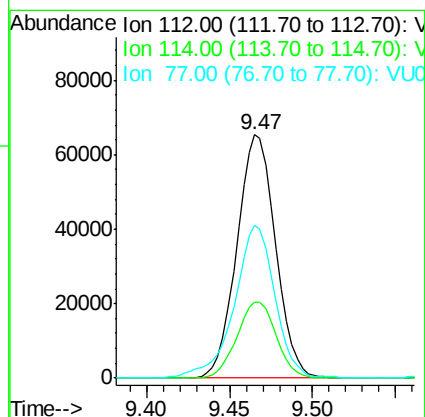
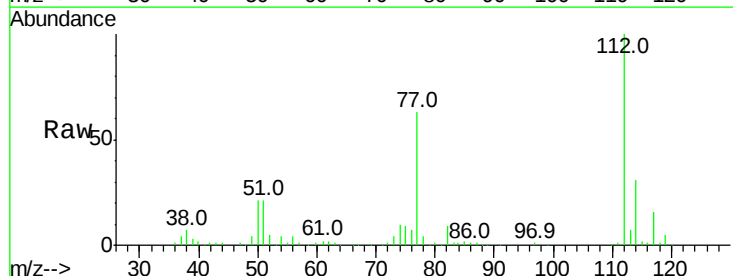
Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

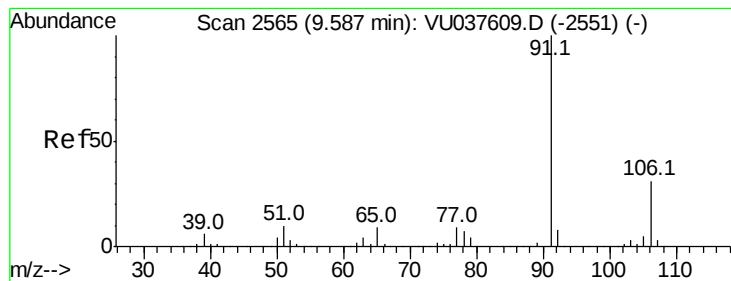
Tgt Ion:107 Resp: 42897
Ion Ratio Lower Upper
107 100
109 93.8 67.3 125.1
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 12.945 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion:112 Resp: 105861
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 62.8 49.2 73.8





#52

Ethylbenzene

Concen: 13.014 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

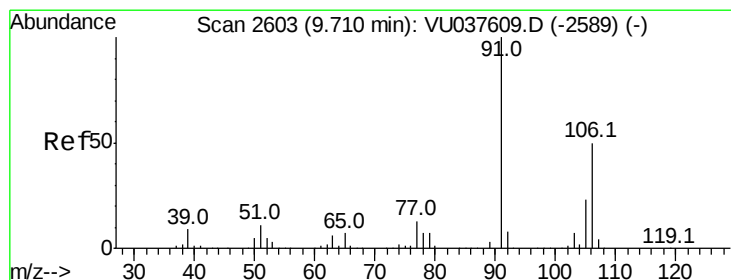
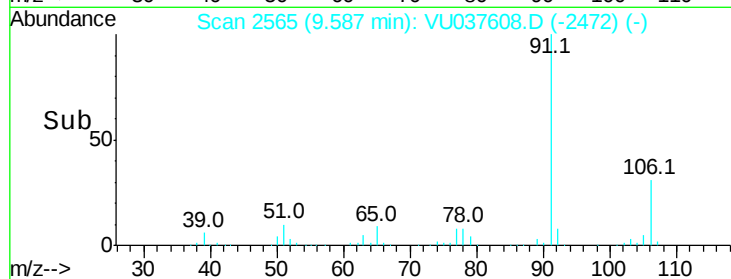
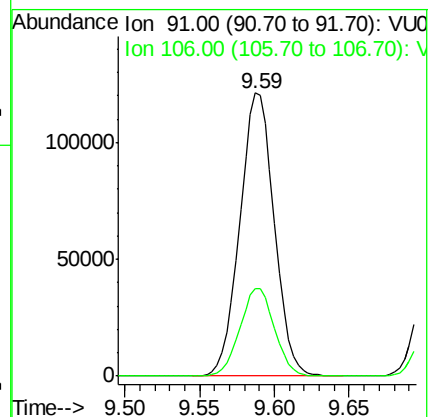
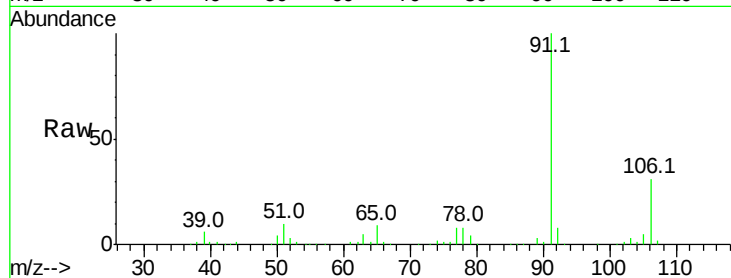
VSTD01032

Tgt Ion: 91 Resp: 194027

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



#53

m,p-Xylene

Concen: 12.910 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037608.D

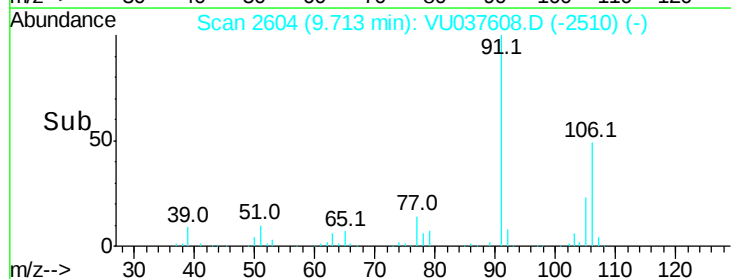
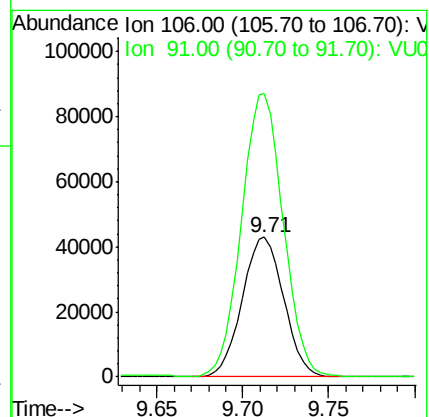
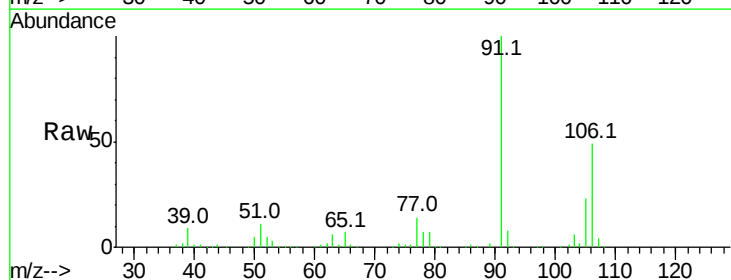
Acq: 09 Apr 2020 10:10

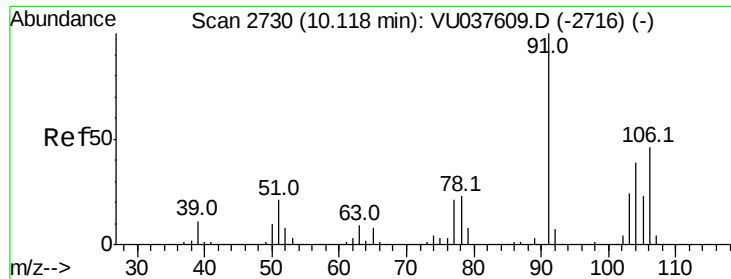
Tgt Ion: 106 Resp: 71794

Ion Ratio Lower Upper

106 100

91 202.9 140.8 261.6

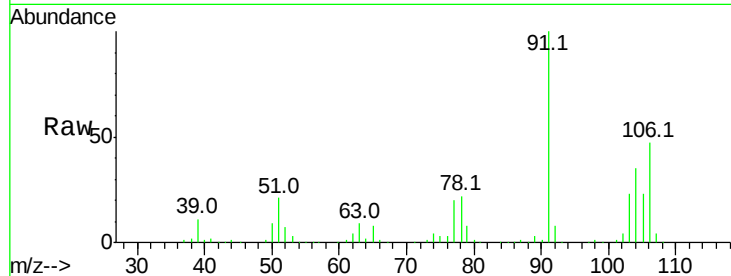




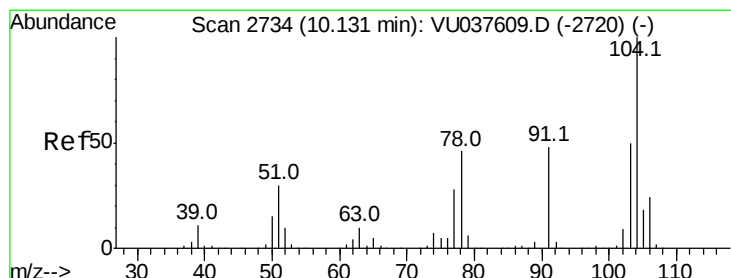
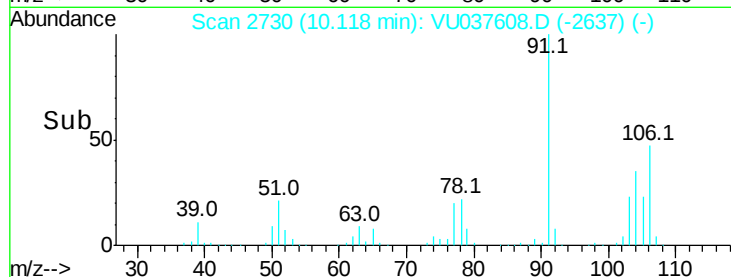
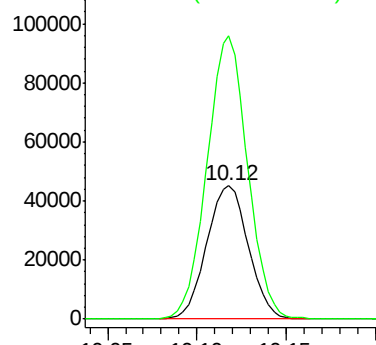
#54
o-xylene
Concen: 13.780 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD01032

Tgt Ion:106 Resp: 73864
Ion Ratio Lower Upper
106 100
91 212.2 151.1 280.5

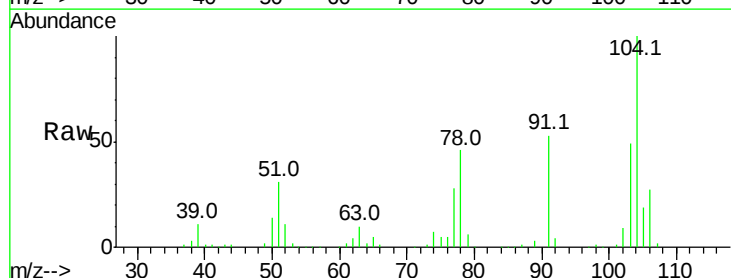


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

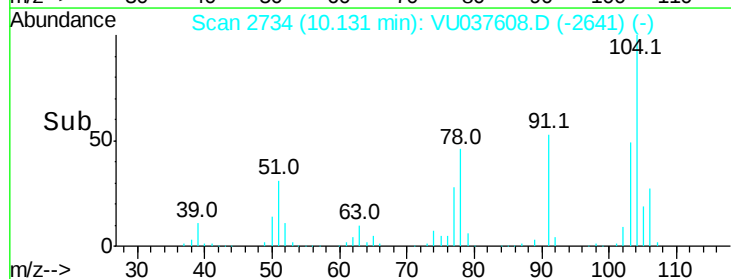
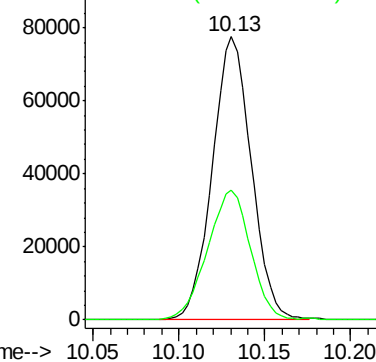


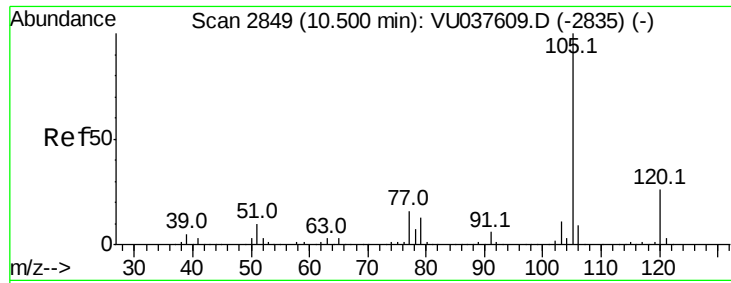
#55
Styrene
Concen: 12.873 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037608.D
Acq: 09 Apr 2020 10:10

Tgt Ion:104 Resp: 122179
Ion Ratio Lower Upper
104 100
78 45.9 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 12.994 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

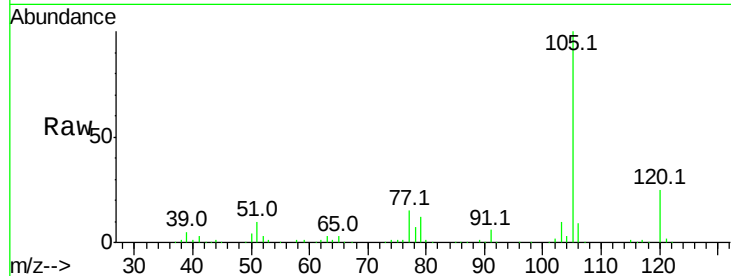
Tgt Ion:105 Resp: 188839

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

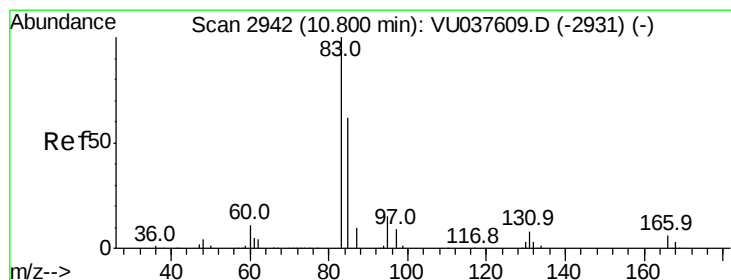
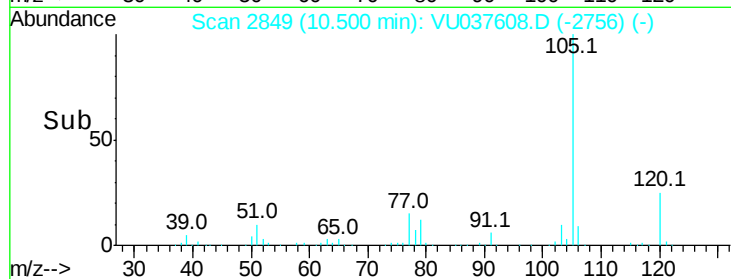
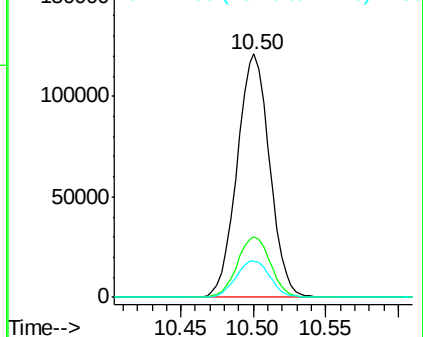
77 15.6 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 12.232 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

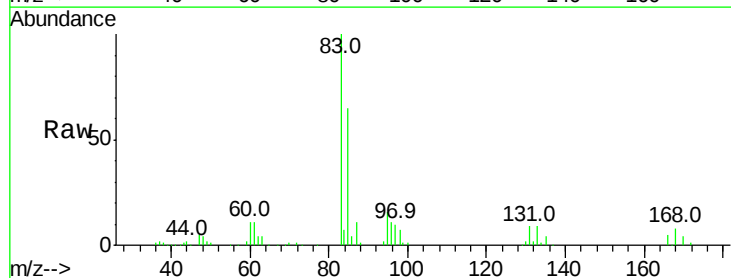
Tgt Ion: 83 Resp: 69886

Ion Ratio Lower Upper

83 100

85 64.5 44.2 82.2

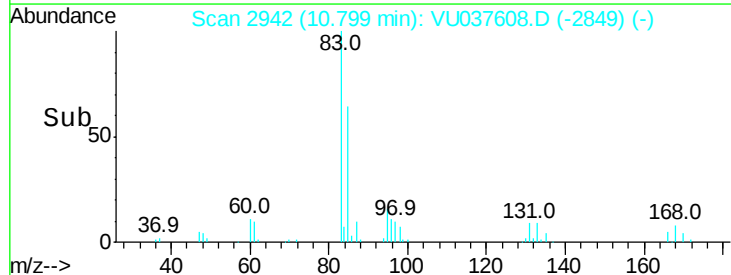
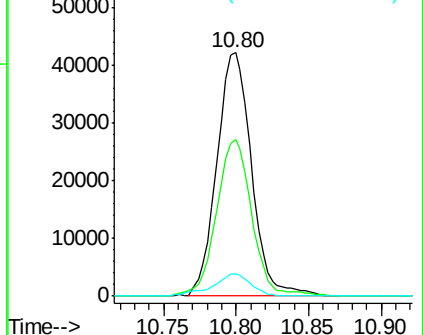
131 9.2 7.6 11.4

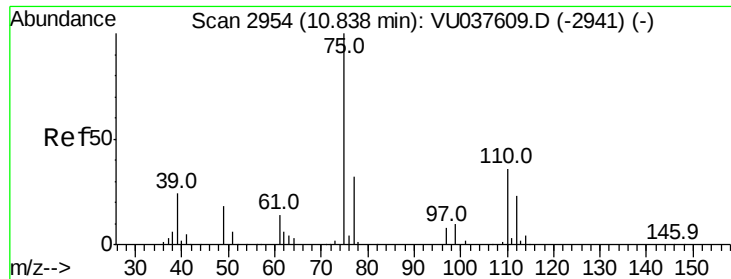


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

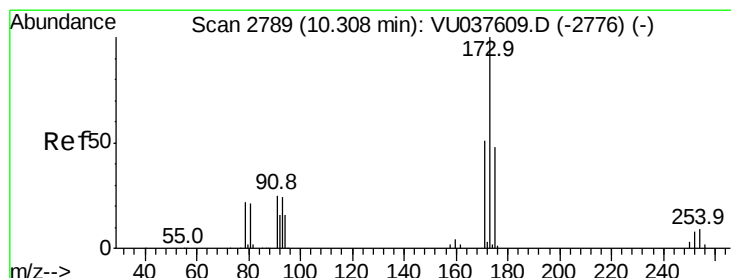
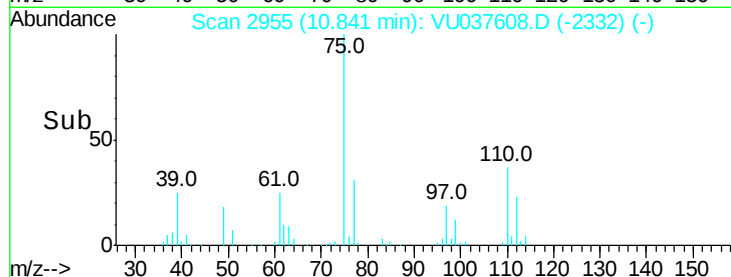
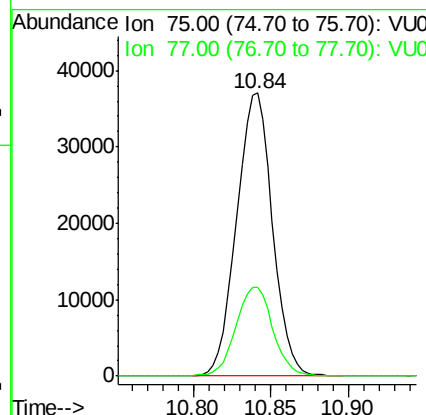
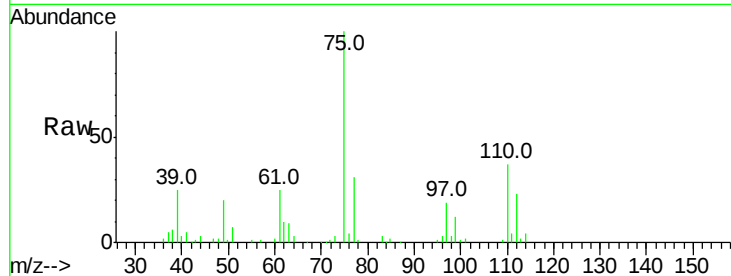




#59
 1,2,3-Trichloropropane
 Concen: 13.358 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

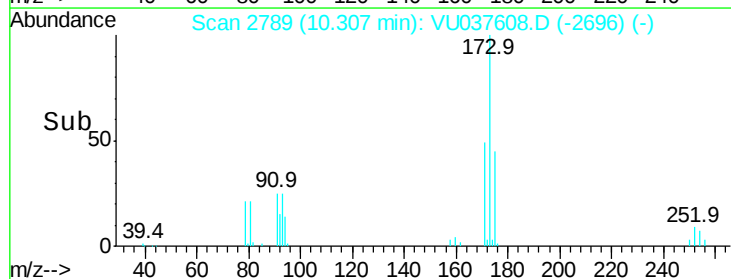
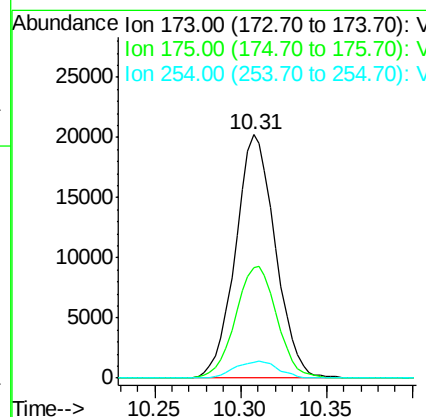
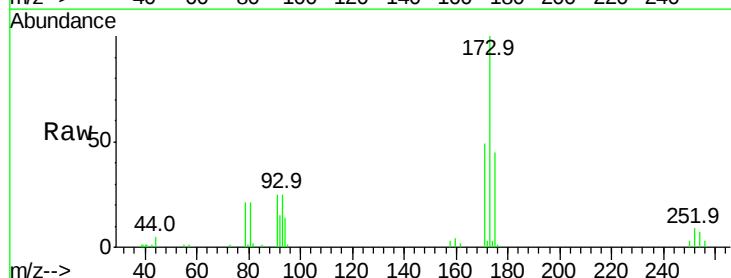
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

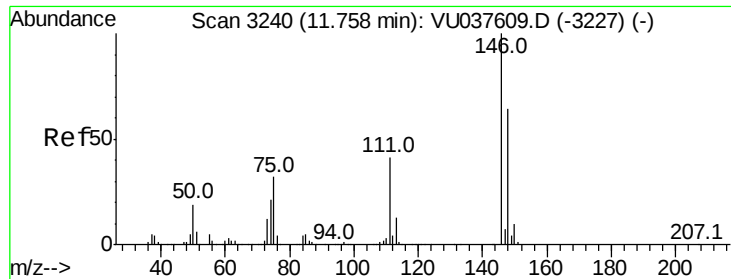
Tgt Ion: 75 Resp: 59610
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.6 38.4



#61
 Bromoform
 Concen: 12.574 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion: 173 Resp: 32746
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.7 58.1
 254 7.4 7.0 10.6

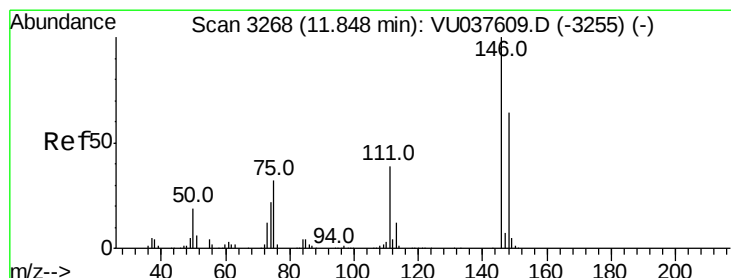
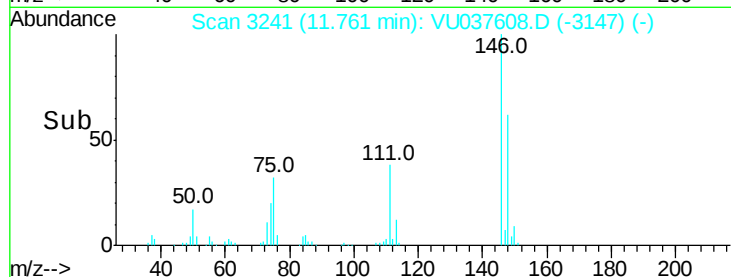
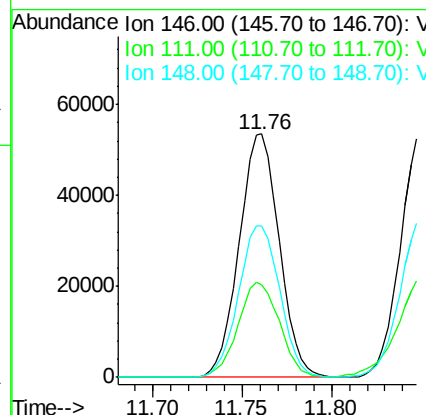
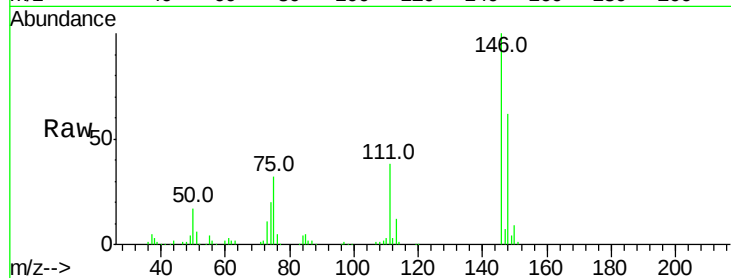




#62
 1,3-Dichlorobenzene
 Concen: 12.723 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

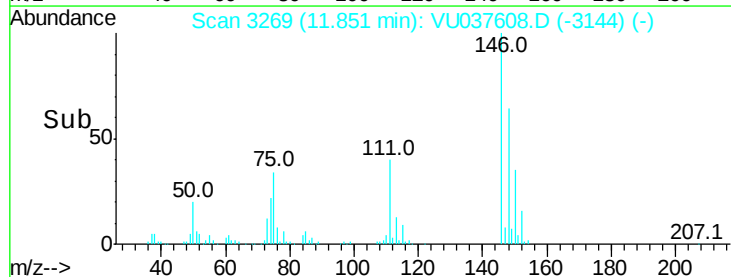
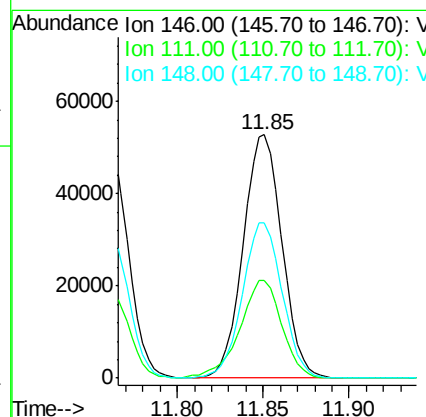
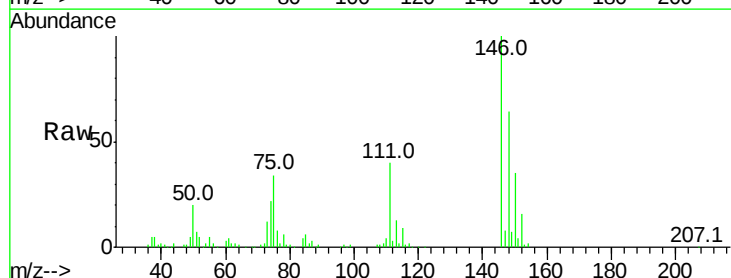
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

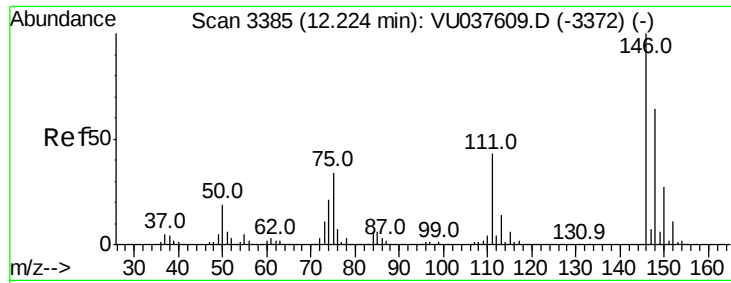
Tgt Ion:146 Resp: 83691
 Ion Ratio Lower Upper
 146 100
 111 38.0 28.6 53.0
 148 62.3 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 12.466 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion:146 Resp: 82764
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.2 50.6
 148 64.0 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 12.629 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

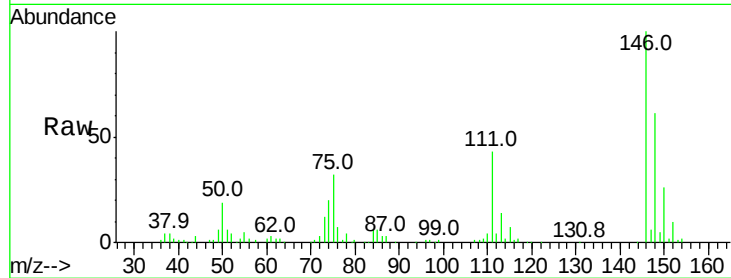
Tgt Ion:146 Resp: 82258

Ion Ratio Lower Upper

146 100

111 42.9 34.2 51.4

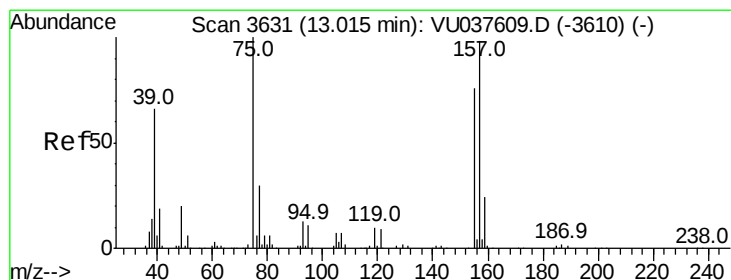
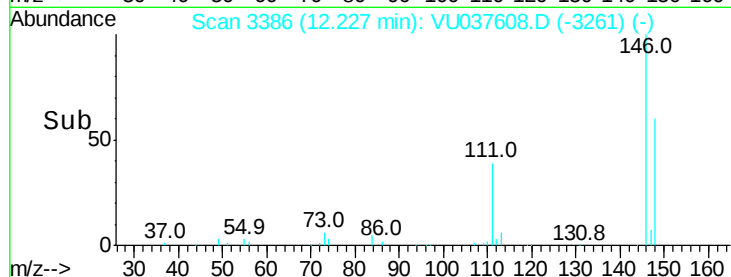
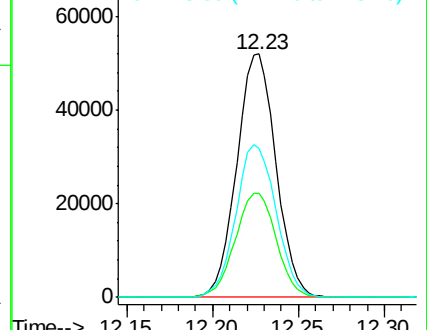
148 61.4 50.9 76.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 11.903 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

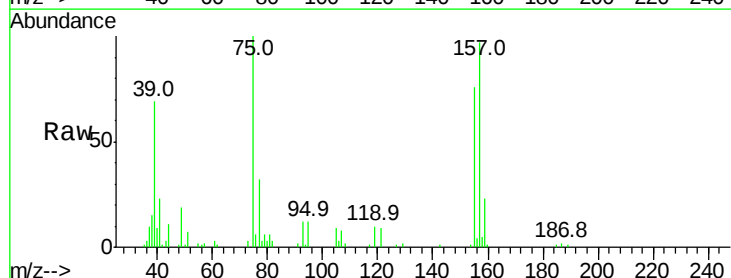
Tgt Ion: 75 Resp: 18596

Ion Ratio Lower Upper

75 100

155 76.4 60.9 91.3

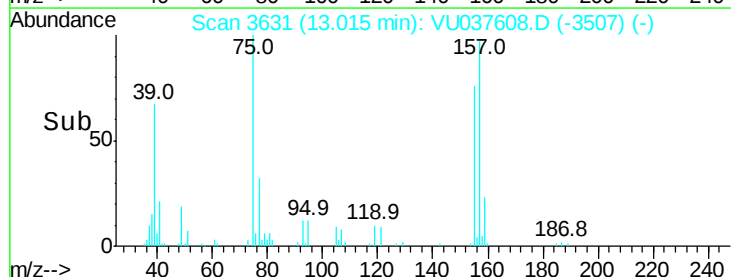
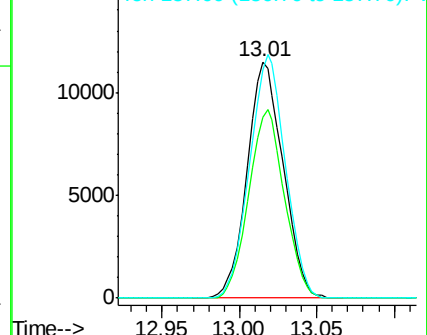
157 96.6 78.8 118.2

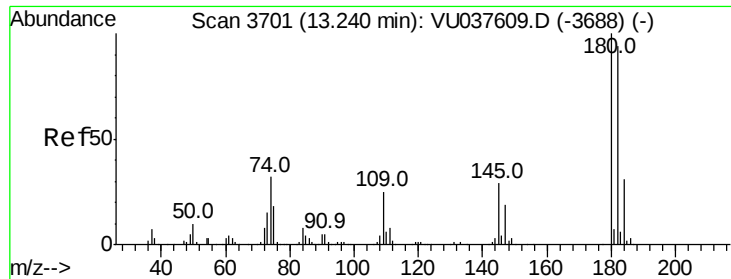


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

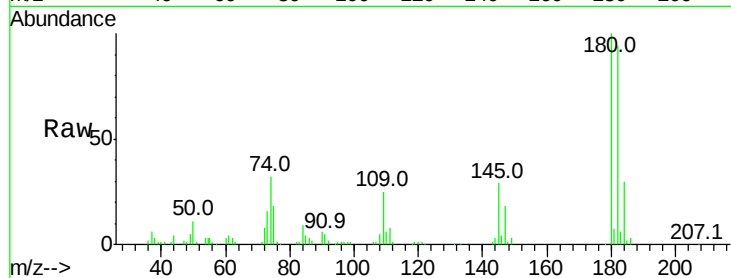




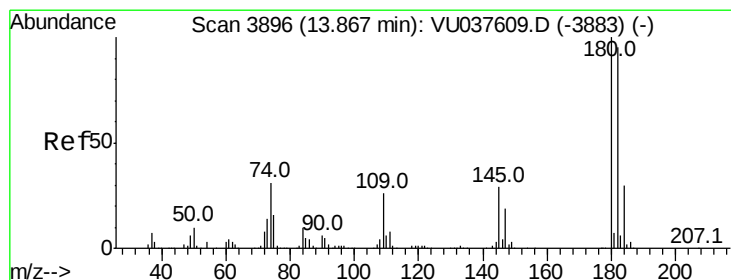
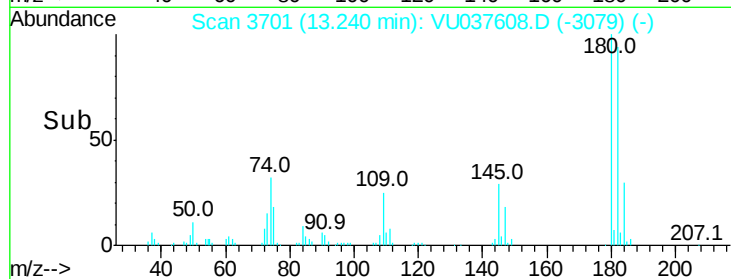
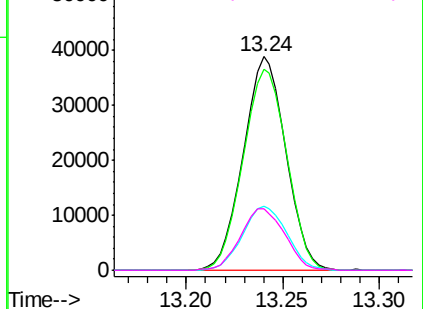
#67
 1,3,5-Trichlorobenzene
 Concen: 13.102 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01032

Tgt Ion:180 Resp: 59822
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.2 114.4
 184 30.9 24.7 37.1
 145 29.8 23.8 35.6

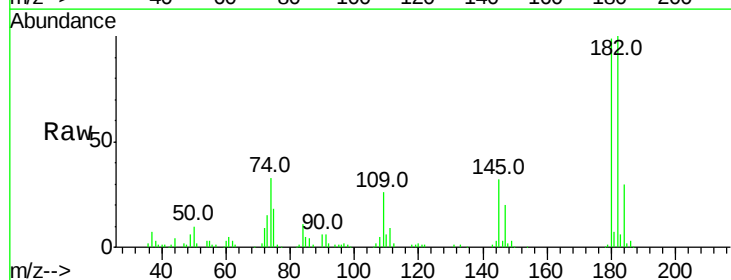


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

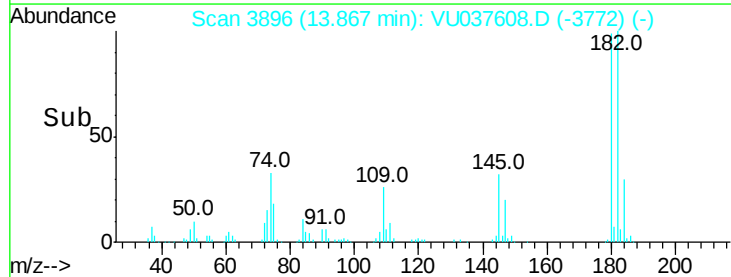
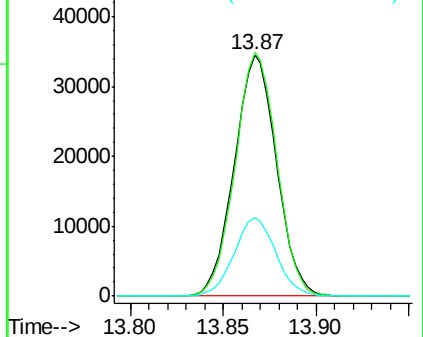


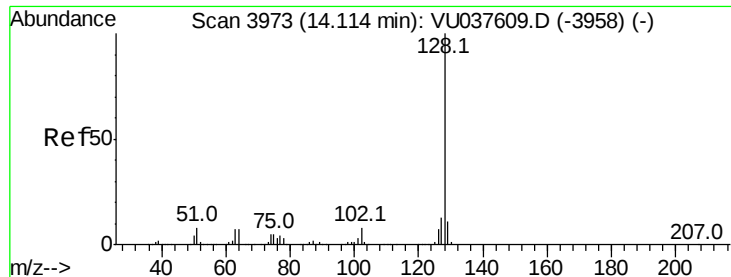
#68
 1,2,4-trichlorobenzene
 Concen: 12.552 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037608.D
 Acq: 09 Apr 2020 10:10

Tgt Ion:180 Resp: 54633
 Ion Ratio Lower Upper
 180 100
 182 99.7 76.5 114.7
 145 32.1 23.8 35.6



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





#69

Naphthalene

Concen: 10.998 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD01032

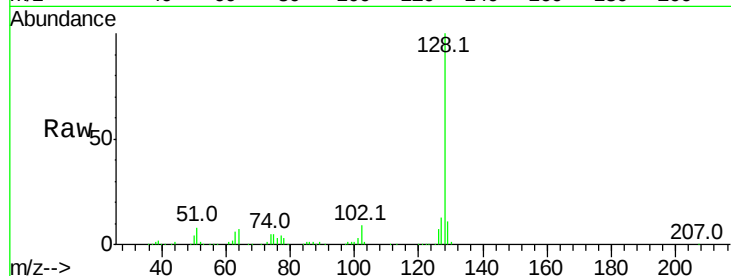
Tgt Ion:128 Resp: 202818

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

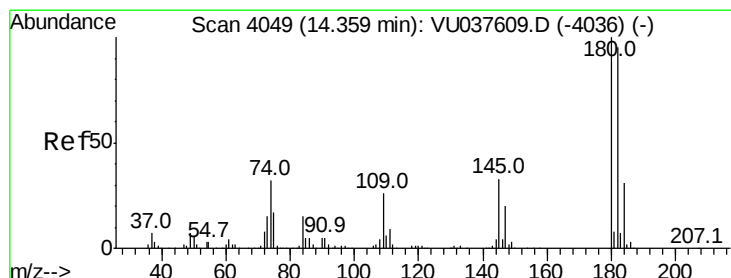
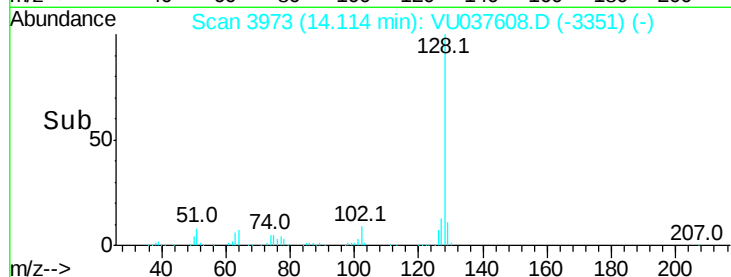
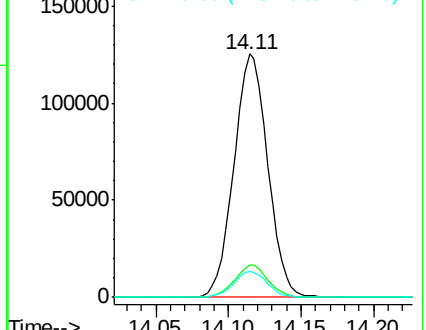
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 12.636 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037608.D

Acq: 09 Apr 2020 10:10

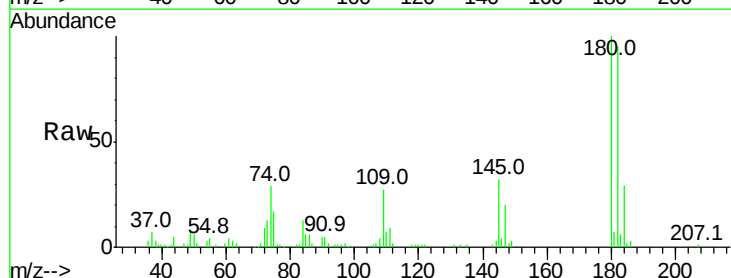
Tgt Ion:180 Resp: 55562

Ion Ratio Lower Upper

180 100

182 96.3 75.6 113.4

145 31.9 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

