

Data File : VU037944.D
Acq On : 30 Apr 2020 10:17
Operator : JC/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01035

Quant Time: Apr 30 11:01:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 30 10:59:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	703395	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	679267	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	305210	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56510	9.19	ug/L	0.00
7) Chloroethane-d5	1.93	69	47421	9.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	93678	9.42	ug/L	0.00
21) 2-Butanone-d5	4.66	46	90726	18.63	ug/L	0.00
24) Chloroform-d	5.10	84	89904	9.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	62227	9.60	ug/L	0.00
32) Benzene-d6	5.76	84	189765	9.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	63045	9.81	ug/L	0.00
41) Toluene-d8	7.92	98	174335	9.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	26765	8.09	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	52588	15.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	86108	9.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	60262	10.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	51555	8.884 ug/L	100
3) Chloromethane	1.54	50	68923	10.897 ug/L	99
5) Vinyl chloride	1.62	62	68550	9.823 ug/L	97
6) Bromomethane	1.87	94	30184	10.453 ug/L	99
8) Chloroethane	1.95	64	42406	10.815 ug/L	98
9) Trichlorofluoromethane	2.16	101	69983	9.432 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	42320	9.788 ug/L	97
12) 1,1-Dichloroethene	2.60	96	45381	10.627 ug/L	97
13) Acetone	2.65	43	63844	21.974 ug/L	98
14) Carbon disulfide	2.82	76	143662	9.407 ug/L	100
15) Methyl Acetate	2.98	43	68365	9.735 ug/L	100
16) Methylene chloride	3.08	84	54209	10.683 ug/L	98
17) trans-1,2-Dichloroethene	3.38	96	48942	10.250 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	159002	9.667 ug/L	99
19) 1,1-Dichloroethane	3.91	63	98409	10.224 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	53590	10.251 ug/L	99
22) 2-Butanone	4.75	43	102720	20.191 ug/L	99
23) Bromochloromethane	5.02	128	25088	9.931 ug/L	97
25) Chloroform	5.12	83	93774	10.412 ug/L	99
27) 1,2-Dichloroethane	5.83	62	78550	10.184 ug/L	98
29) Cyclohexane	5.42	56	85888	9.038 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	74631	9.838 ug/L	100
31) Carbon tetrachloride	5.56	117	57490	9.375 ug/L	96
33) Benzene	5.81	78	216303	10.491 ug/L	100
34) Trichloroethene	6.57	95	51397	10.163 ug/L	96
35) Methylcyclohexane	6.79	83	78658	8.883 ug/L	97
37) 1,2-Dichloropropane	6.82	63	57025	10.127 ug/L	99
38) Bromodichloromethane	7.13	83	67850	9.973 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	81938	9.088 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	180637	18.446 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Apr 30 10:59:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	227423	10.521	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	76225	8.759	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	51979	10.581	ug/L	97
46) Tetrachloroethene	8.57	164	37205	10.065	ug/L	89
48) 2-Hexanone	8.71	43	150064	19.381	ug/L	97
49) Dibromochloromethane	8.83	129	46698	9.104	ug/L	97
50) 1,2-Dibromoethane	8.94	107	54337	10.212	ug/L #	97
51) Chlorobenzene	9.47	112	137627	10.236	ug/L	95
52) Ethylbenzene	9.59	91	244291	10.092	ug/L	100
53) m,p-Xylene	9.71	106	91482	10.037	ug/L	99
54) o-xylene	10.12	106	91507	10.266	ug/L	100
55) Styrene	10.13	104	147662	9.633	ug/L	99
56) Isopropylbenzene	10.50	105	231449	9.811	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	88200	10.096	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	79587	10.521	ug/L	100
61) Bromoform	10.31	173	31215	9.088	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	97885	10.243	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	98172	10.178	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	100901	10.866	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	20165	9.744	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	64582	9.299	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	60125	8.902	ug/L	99
69) Naphthalene	14.11	128	237750	9.816	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	61529	9.225	ug/L	99

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD01035

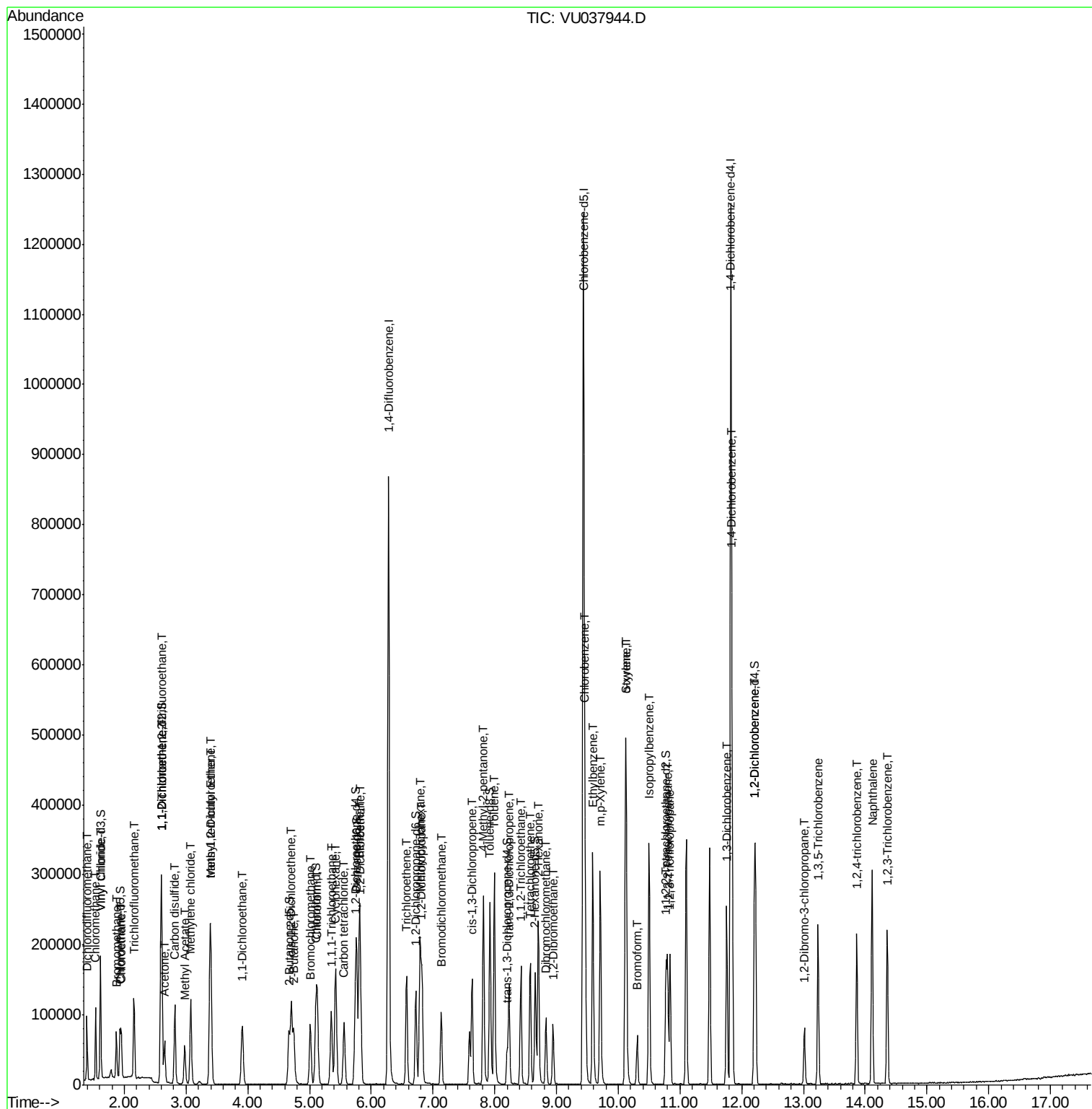
Quant Time: Apr 30 11:01:38 2020

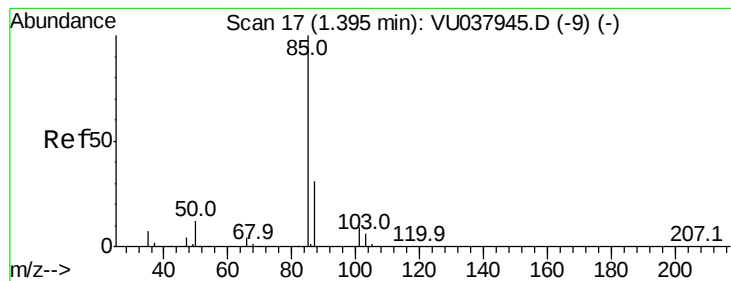
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM043020WMA.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 8.884 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

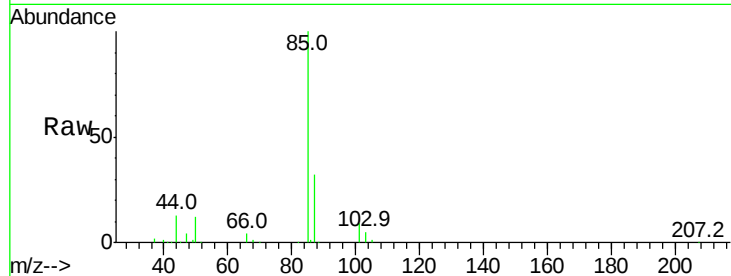
VSTD01035

Tgt Ion: 85 Resp: 51555

Ion Ratio Lower Upper

85 100

87 31.6 25.4 38.2

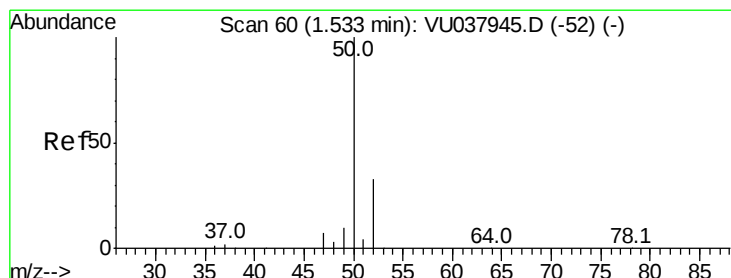
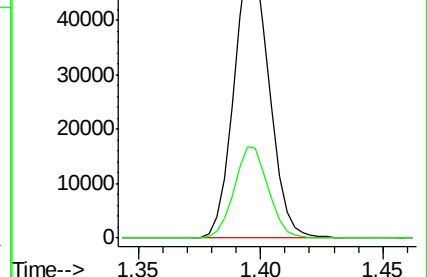
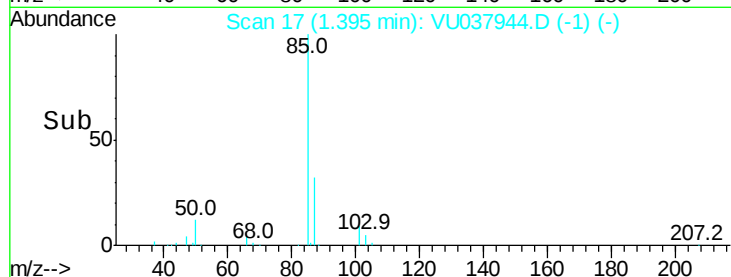


Abundance Ion 85.00 (84.70 to 85.70): VU037944.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037944.D (-1) (-)

1.39

Time-->



#3

Chloromethane

Concen: 10.897 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037944.D

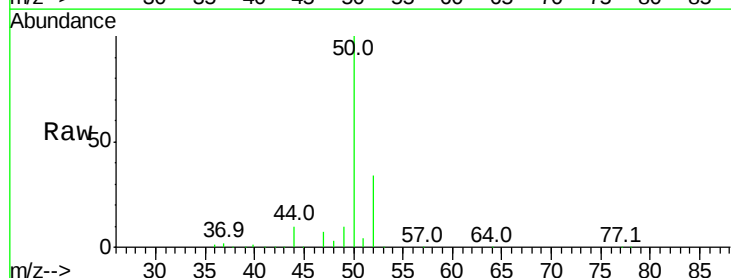
Acq: 30 Apr 2020 10:17

Tgt Ion: 50 Resp: 68923

Ion Ratio Lower Upper

50 100

52 33.5 22.9 42.5

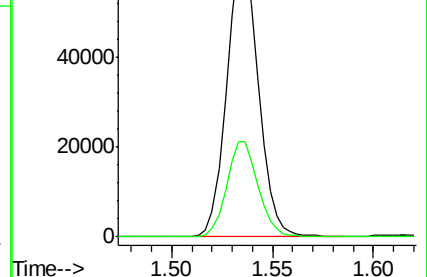
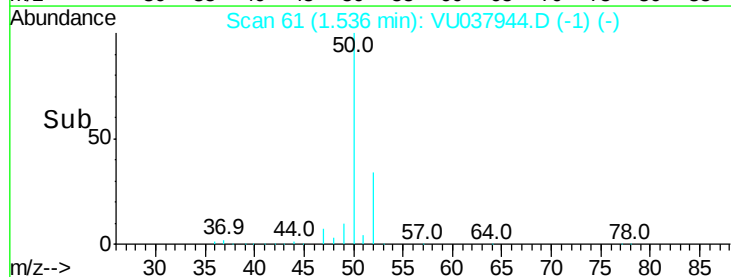


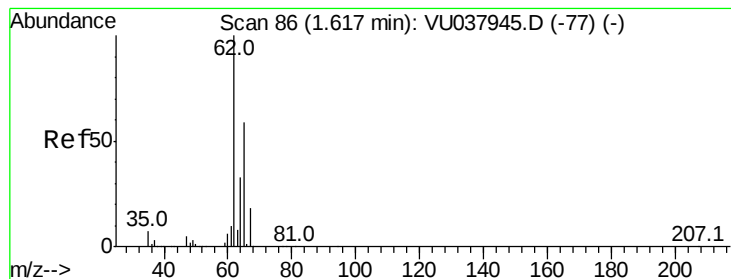
Abundance Ion 50.00 (49.70 to 50.70): VU037944.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037944.D (-1) (-)

1.54

Time-->





#5

Vinyl chloride

Concen: 9.823 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

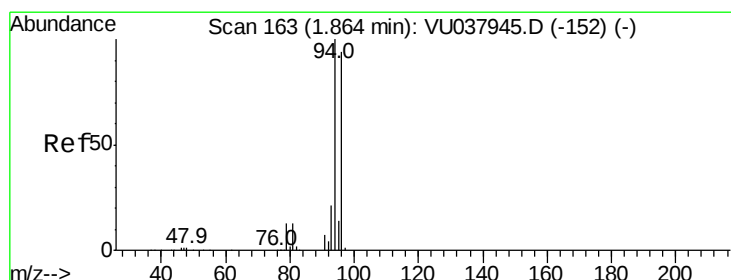
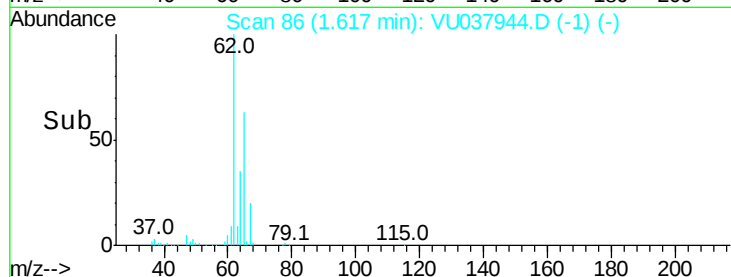
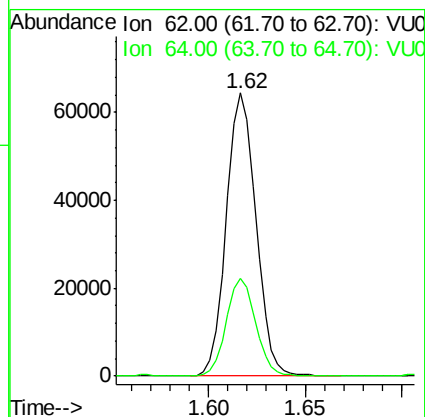
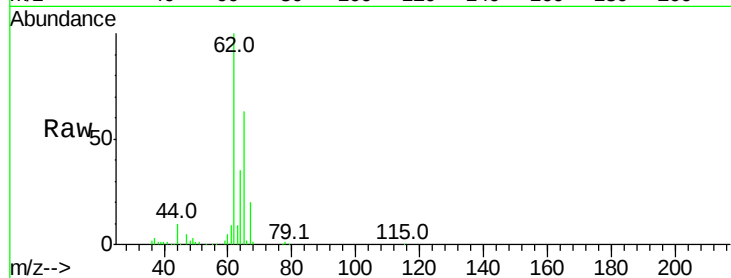
VSTD01035

Tgt Ion: 62 Resp: 68550

Ion Ratio Lower Upper

62 100

64 34.7 23.2 43.2



#6

Bromomethane

Concen: 10.453 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU037944.D

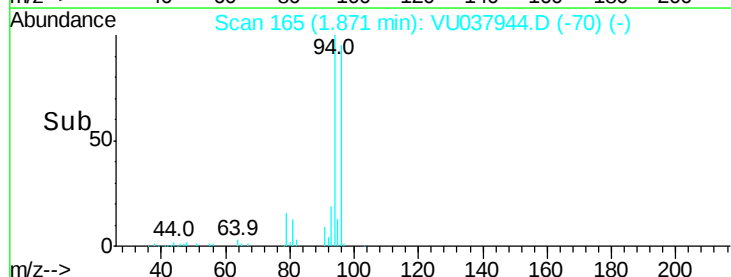
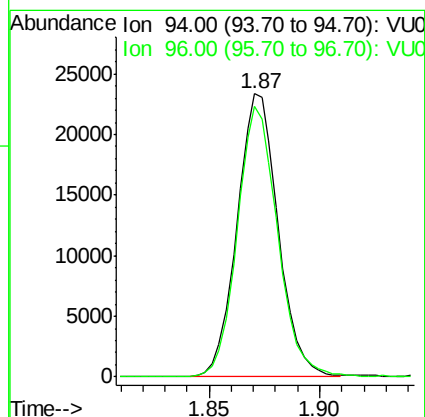
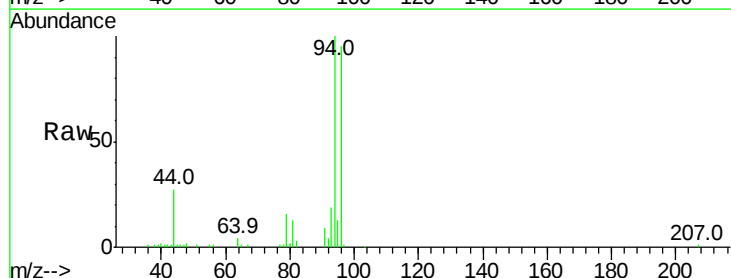
Acq: 30 Apr 2020 10:17

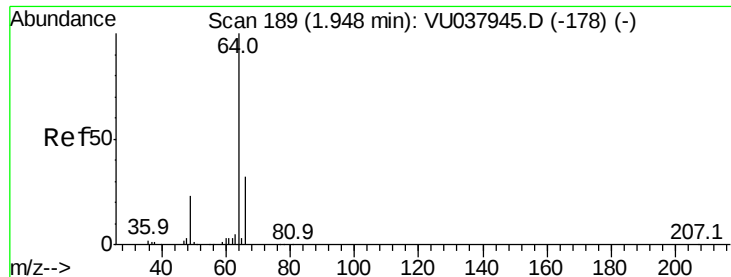
Tgt Ion: 94 Resp: 30184

Ion Ratio Lower Upper

94 100

96 95.4 65.9 122.5





#8

Chloroethane

Concen: 10.815 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

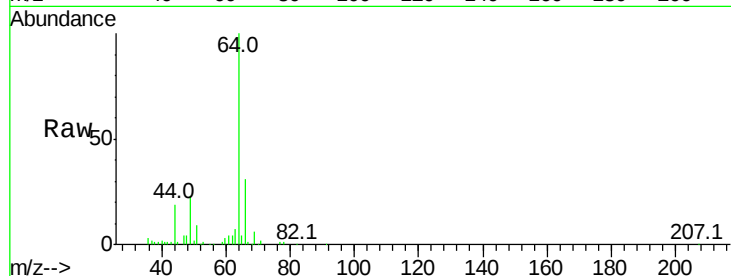
VSTD01035

Tgt Ion: 64 Resp: 42406

Ion Ratio Lower Upper

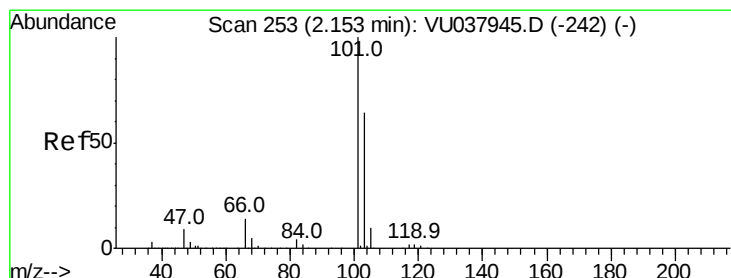
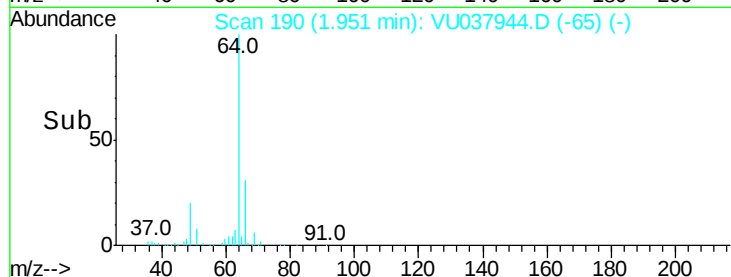
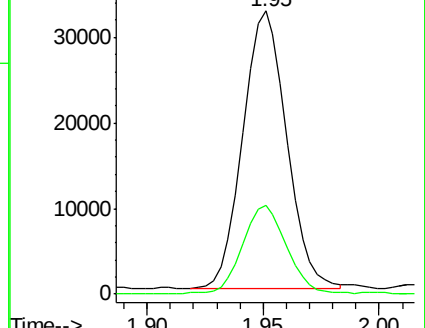
64 100

66 31.2 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU037944.D (-190) (-)

Ion 66.00 (65.70 to 66.70): VU037944.D (-190) (-)



#9

Trichlorofluoromethane

Concen: 9.432 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037944.D

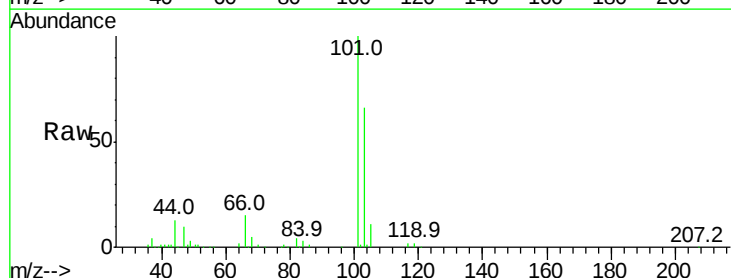
Acq: 30 Apr 2020 10:17

Tgt Ion: 101 Resp: 69983

Ion Ratio Lower Upper

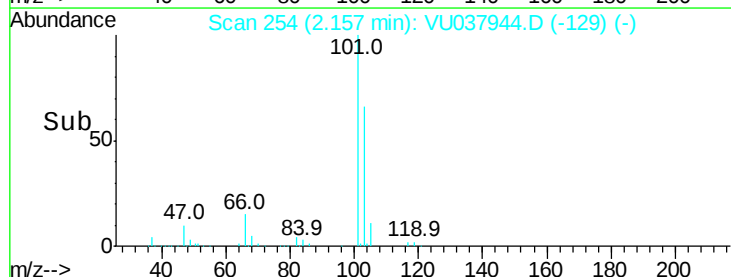
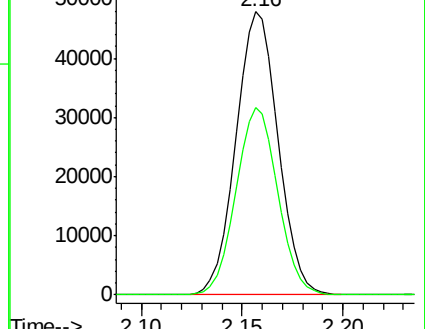
101 100

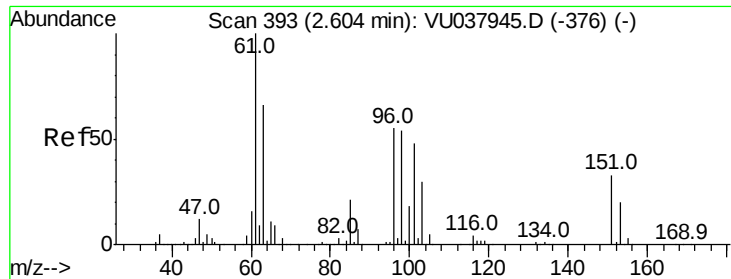
103 65.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU037944.D (-254) (-)

Ion 103.00 (102.70 to 103.70): VU037944.D (-254) (-)





#10

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

Concen: 9.788 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

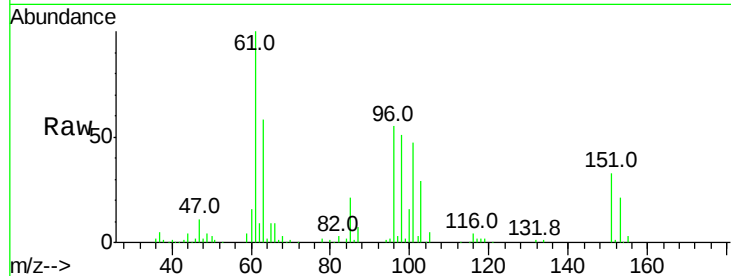
Tgt Ion:101 Resp: 42320

Ion Ratio Lower Upper

101 100

85 44.3 34.7 52.1

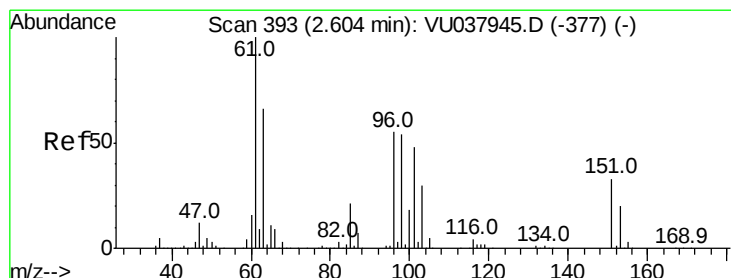
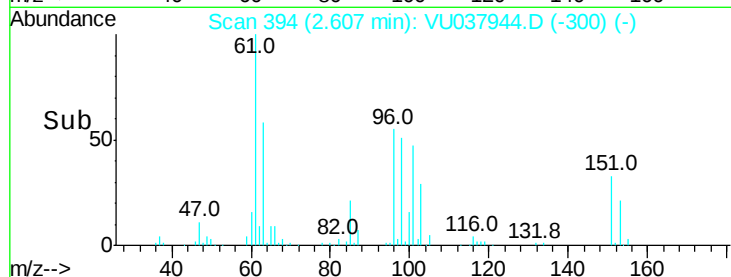
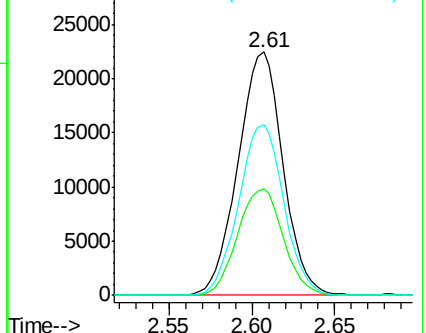
151 70.2 53.4 80.2



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: 10.627 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

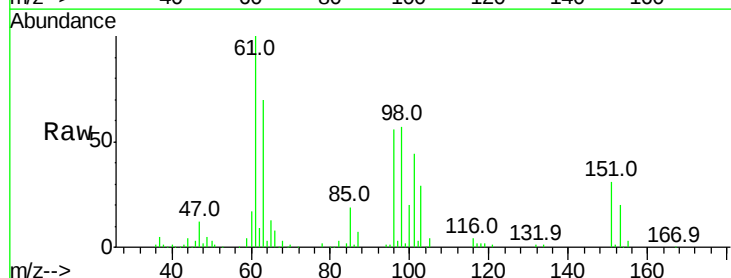
Tgt Ion: 96 Resp: 45381

Ion Ratio Lower Upper

96 100

61 179.9 126.1 234.3

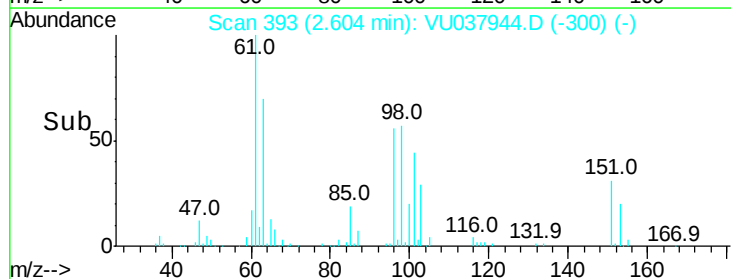
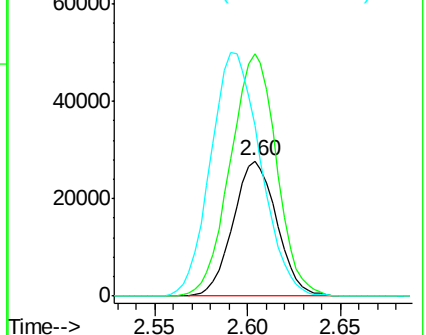
63 126.1 83.4 154.8

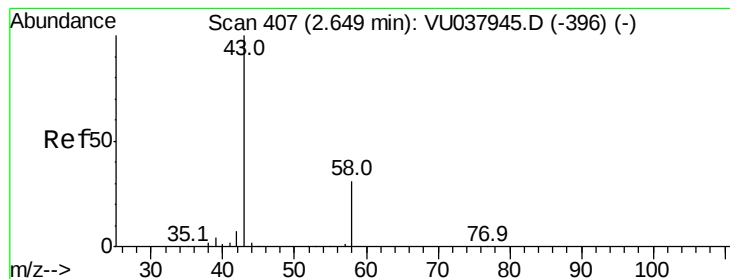


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.974 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

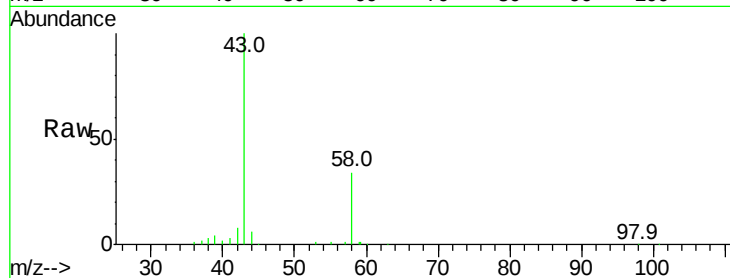
Instrument :
MSVOA_U
ClientSampleId :
VSTD01035

Tgt Ion: 43 Resp: 63844

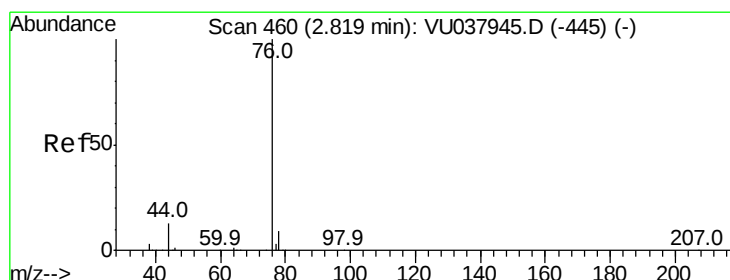
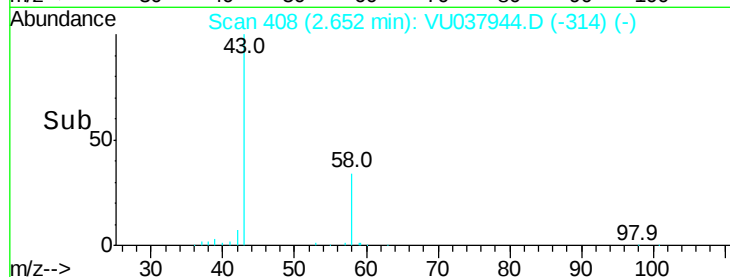
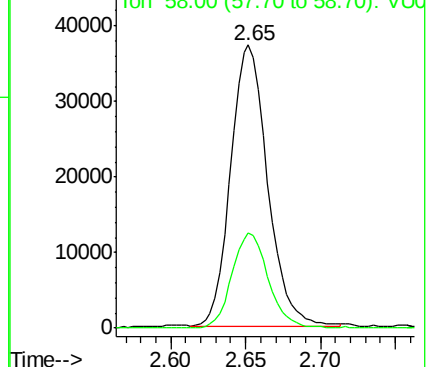
Ion Ratio Lower Upper

43 100

58 33.5 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU037944.D (-396) (-)



#14

Carbon disulfide

Concen: 9.407 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037944.D

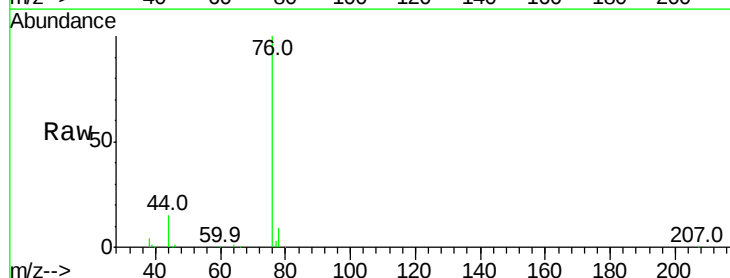
Acq: 30 Apr 2020 10:17

Tgt Ion: 76 Resp: 143662

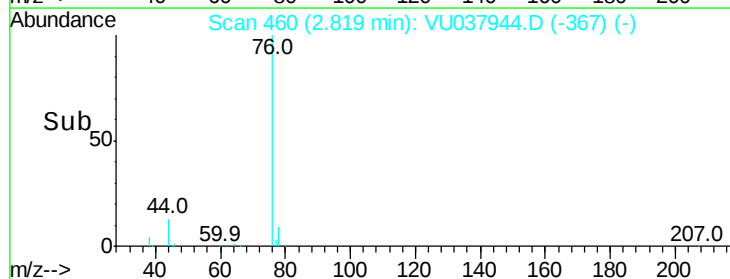
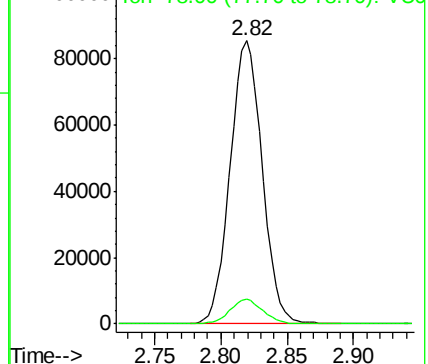
Ion Ratio Lower Upper

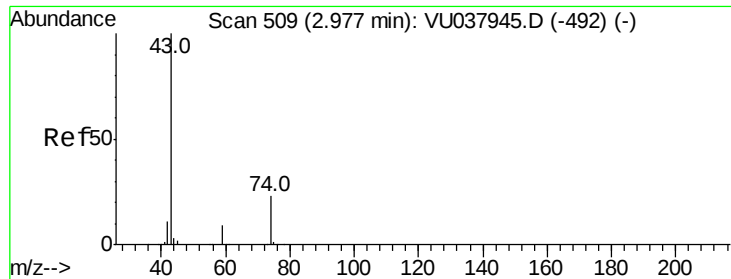
76 100

78 8.8 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU037944.D (-367) (-)





#15

Methyl Acetate

Concen: 9.735 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

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Acq: 30 Apr 2020 10:17

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ClientSampleId :

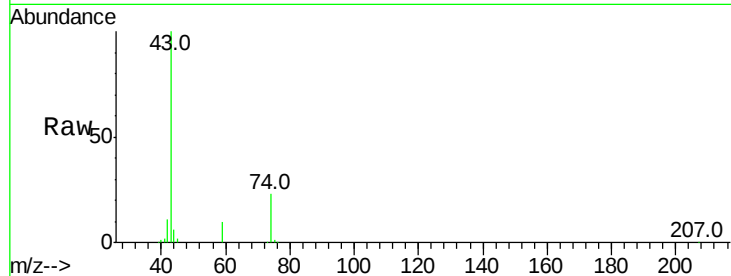
VSTD01035

Tgt Ion: 43 Resp: 68365

Ion Ratio Lower Upper

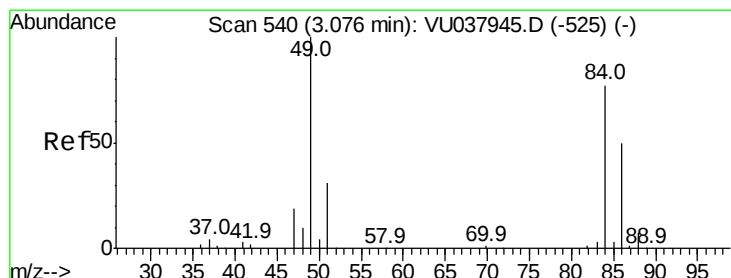
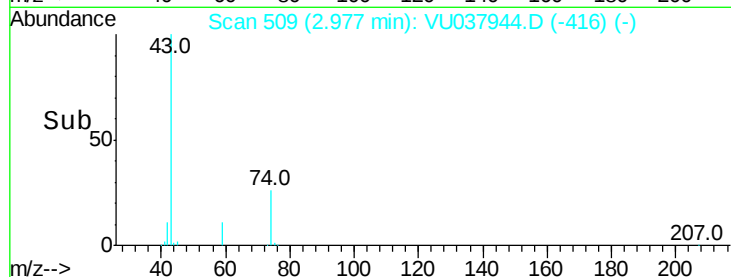
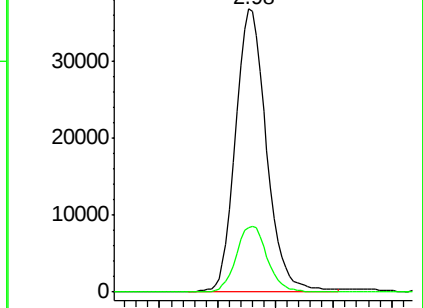
43 100

74 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU037944.D (-492) (-)

Ion 74.00 (73.70 to 74.70): VU037944.D (-492) (-)



#16

Methylene chloride

Concen: 10.683 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

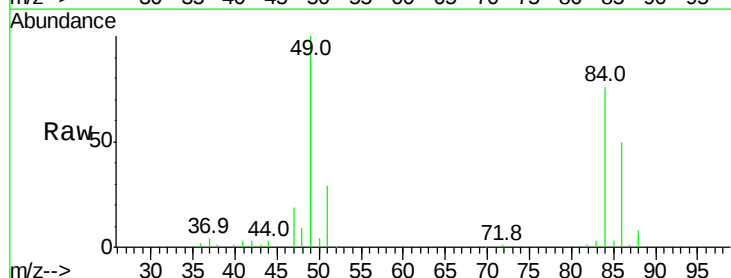
Tgt Ion: 84 Resp: 54209

Ion Ratio Lower Upper

84 100

86 66.4 45.1 83.9

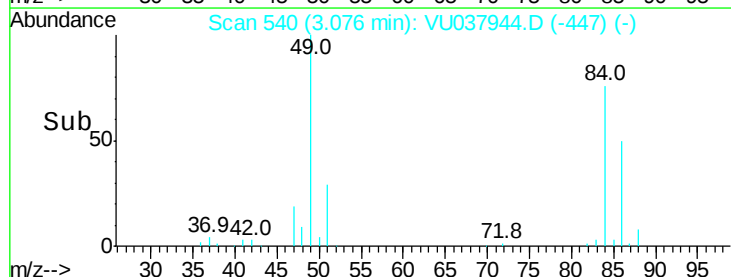
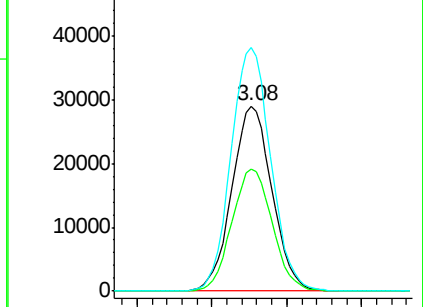
49 131.8 91.2 169.4

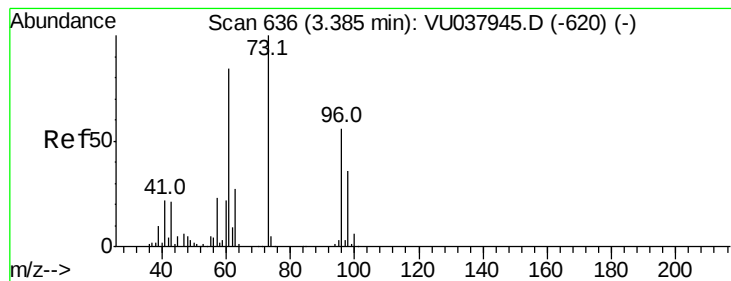


Abundance Ion 84.00 (83.70 to 84.70): VU037944.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU037944.D (-525) (-)

Ion 49.00 (48.70 to 49.70): VU037944.D (-525) (-)





#17

trans-1,2-Dichloroethene

Concen: 10.250 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

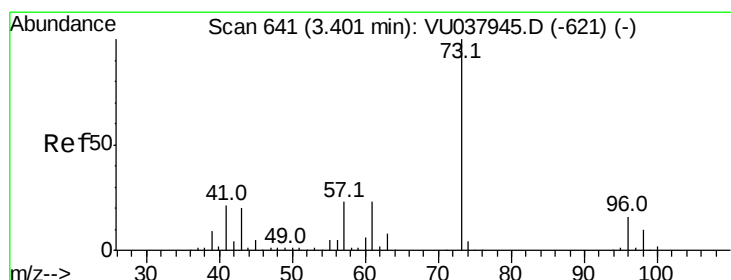
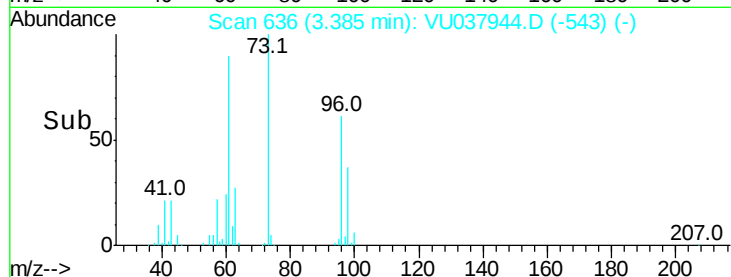
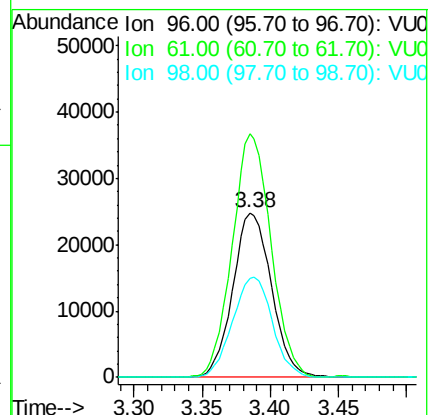
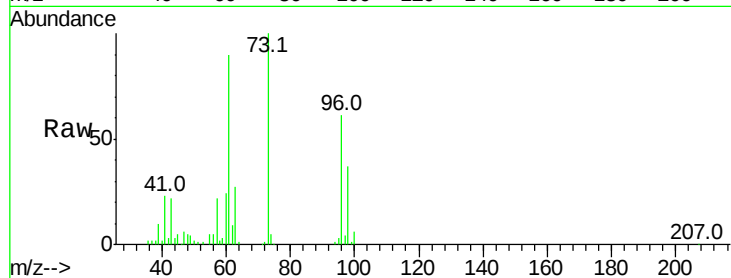
Tgt Ion: 96 Resp: 48942

Ion Ratio Lower Upper

96 100

61 147.8 104.9 194.9

98 60.1 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 9.667 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

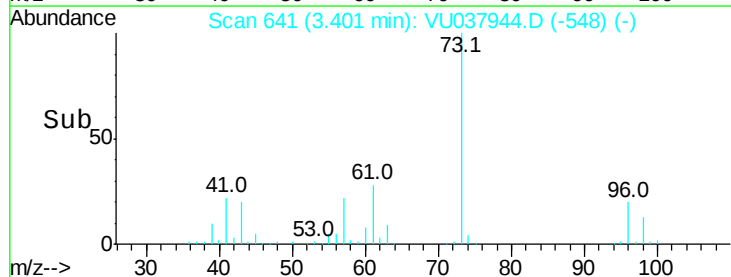
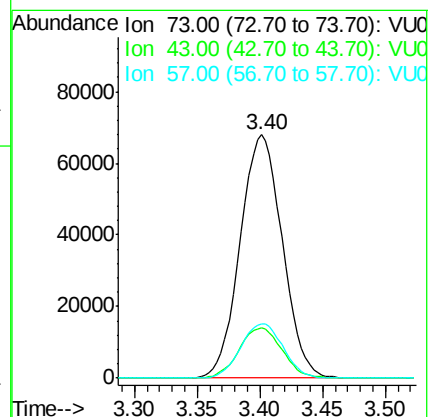
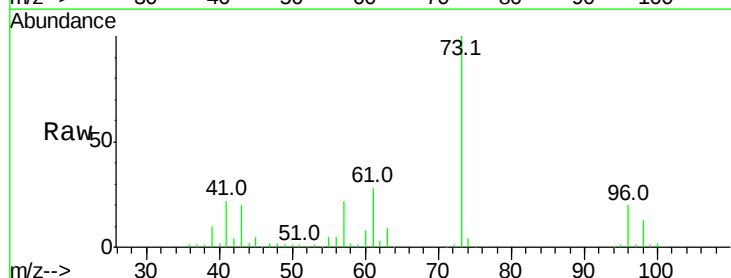
Tgt Ion: 73 Resp: 159002

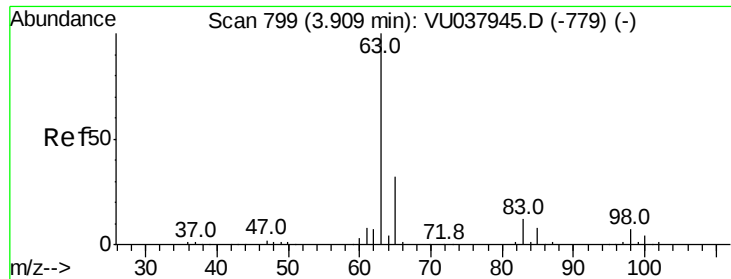
Ion Ratio Lower Upper

73 100

43 20.8 16.3 24.5

57 22.5 18.4 27.6





#19

1,1-Dichloroethane

Concen: 10.224 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

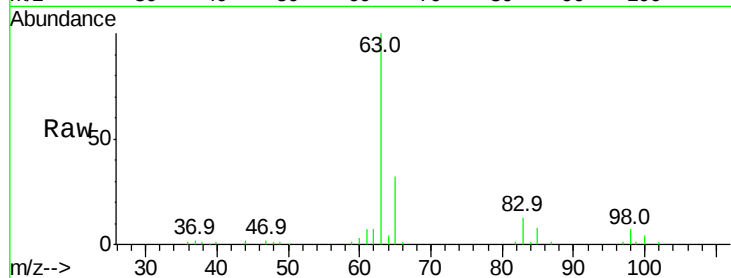
Tgt Ion: 63 Resp: 98409

Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

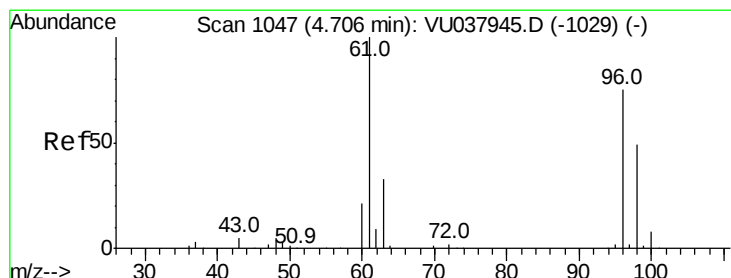
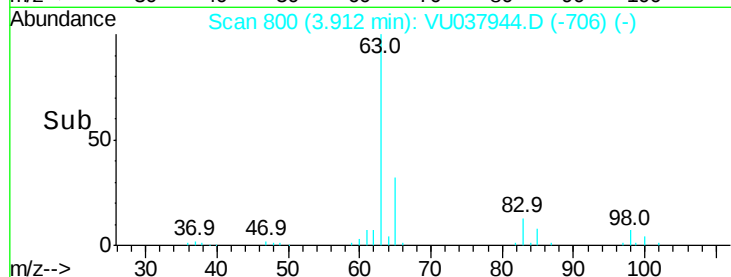
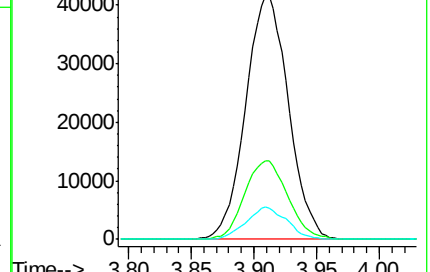
83 12.8 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU037944.D (-800) (-)

Ion 65.00 (64.70 to 65.70): VU037944.D (-800) (-)

Ion 83.00 (82.70 to 83.70): VU037944.D (-800) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.251 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

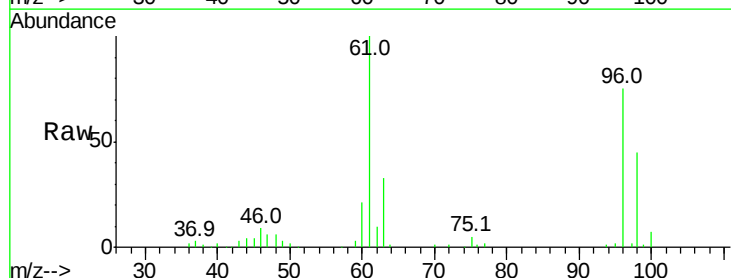
Tgt Ion: 96 Resp: 53590

Ion Ratio Lower Upper

96 100

61 133.3 93.9 174.3

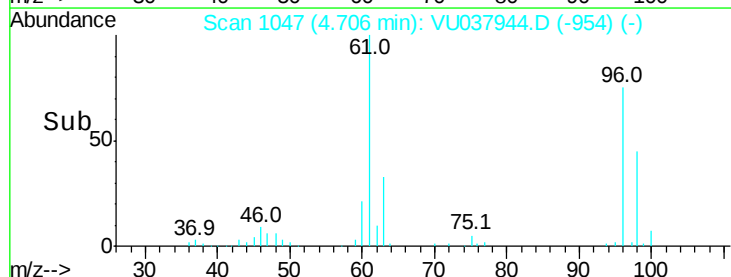
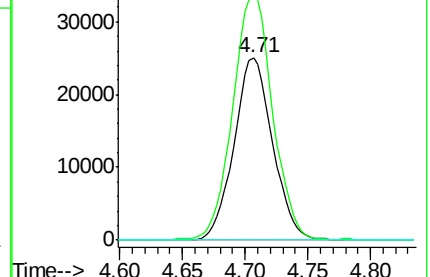
68 0.0 0.0 0.0

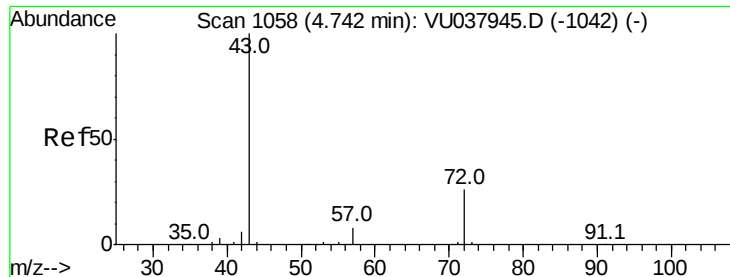


Abundance Ion 96.00 (95.70 to 96.70): VU037944.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU037944.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU037944.D (-1047) (-)





#22

2-Butanone

Concen: 20.191 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

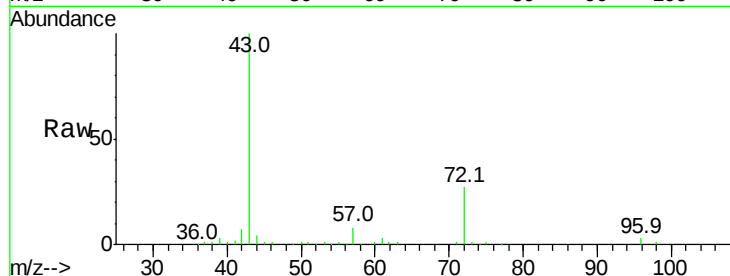
VSTD01035

Tgt Ion: 43 Resp: 102720

Ion Ratio Lower Upper

43 100

72 27.2 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU037944.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU037944.D (-1042) (-)

4.75

50000

40000

30000

20000

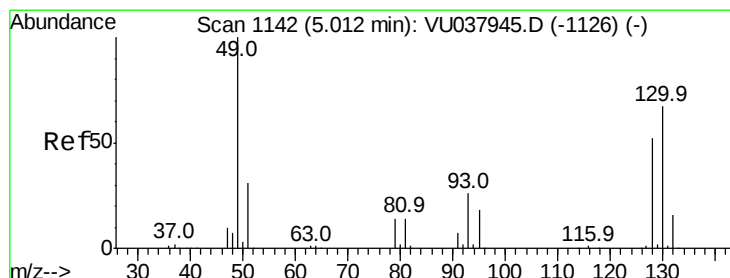
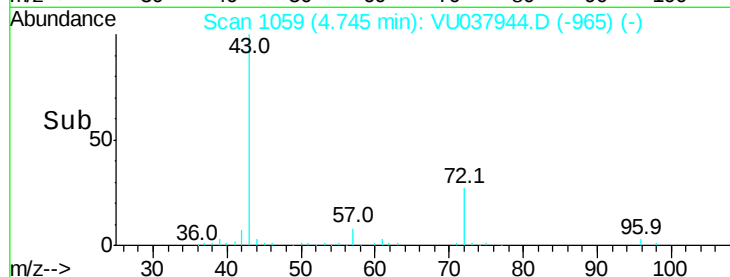
10000

0

4.70

4.80

Time-->



#23

Bromochloromethane

Concen: 9.931 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Tgt Ion: 128 Resp: 25088

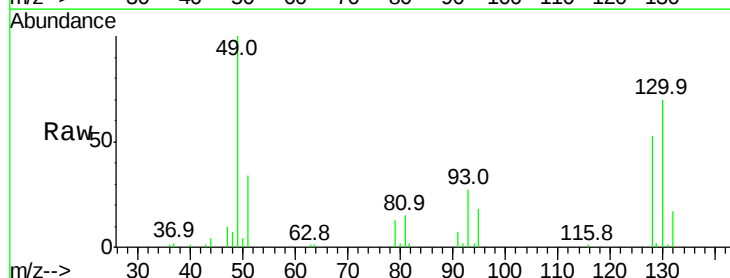
Ion Ratio Lower Upper

128 100

49 188.7 136.2 252.9

130 131.9 91.3 169.5

51 63.5 49.0 73.6



Abundance Ion 128.00 (127.70 to 128.70): VU037944.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU037944.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU037944.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU037944.D (-1049) (-)

5.02

30000

20000

10000

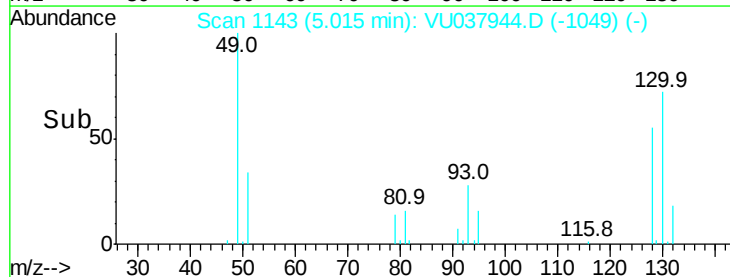
0

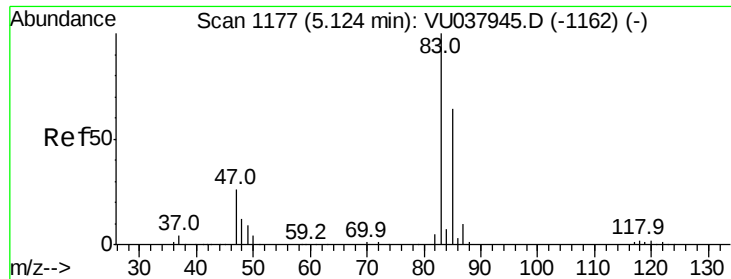
4.95

5.00

5.05

Time-->

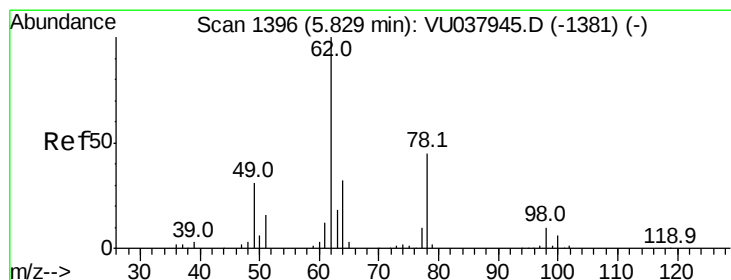
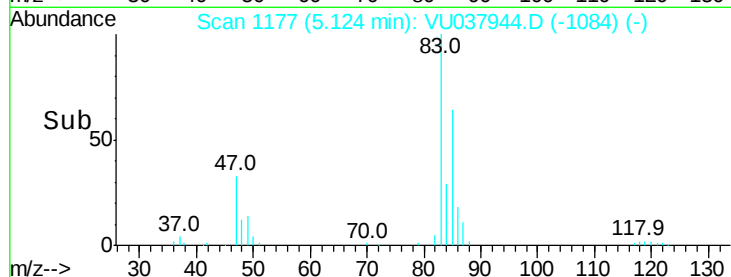
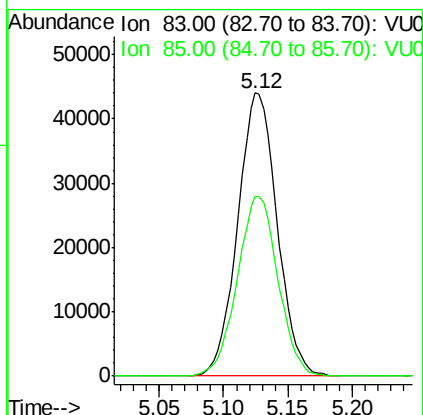
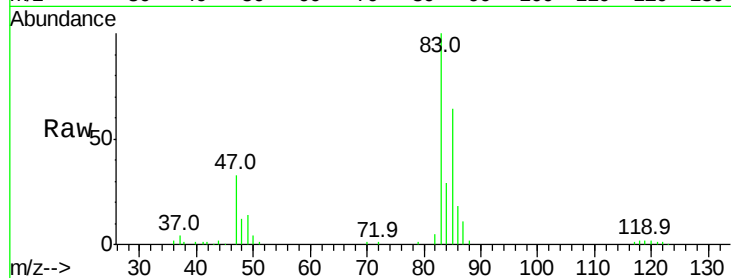




#25
Chloroform
Concen: 10.412 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU037944.D
Acq: 30 Apr 2020 10:17

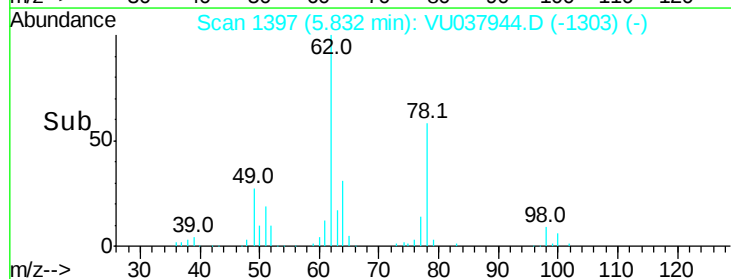
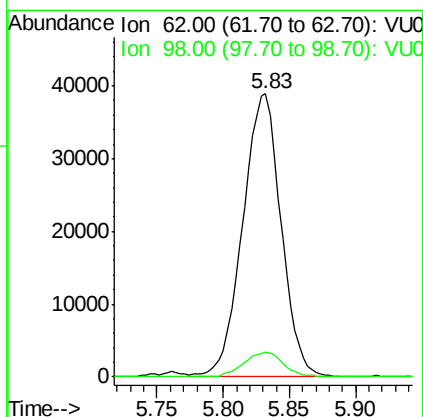
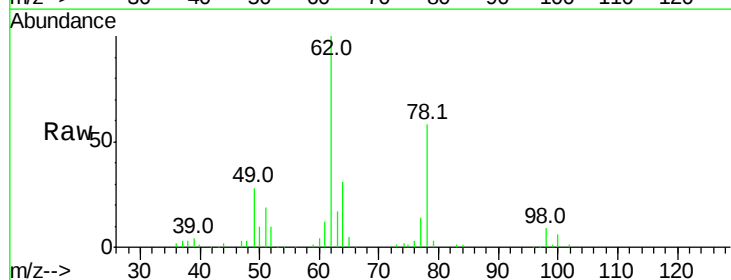
Instrument :
MSVOA_U
ClientSampleId :
VSTD01035

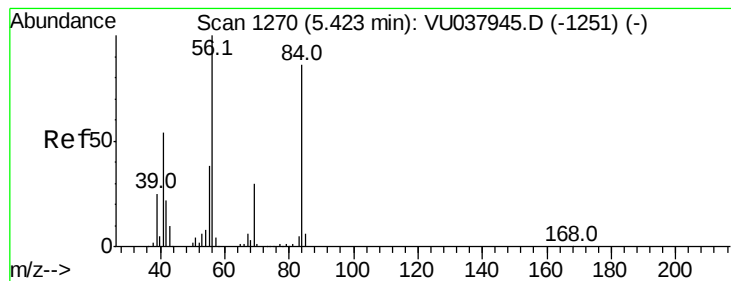
Tgt Ion: 83 Resp: 93774
Ion Ratio Lower Upper
83 100
85 63.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 10.184 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037944.D
Acq: 30 Apr 2020 10:17

Tgt Ion: 62 Resp: 78550
Ion Ratio Lower Upper
62 100
98 8.6 7.6 11.4





#29

Cyclohexane

Concen: 9.038 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

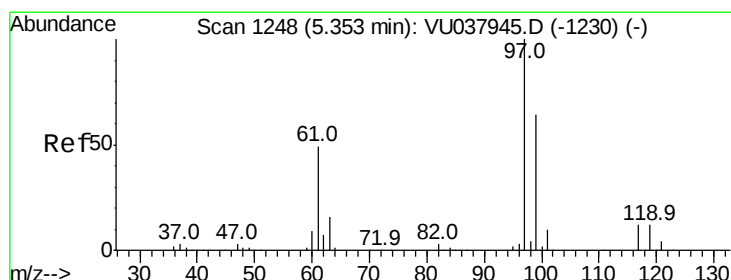
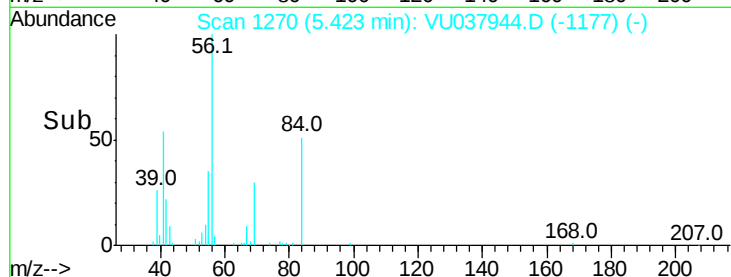
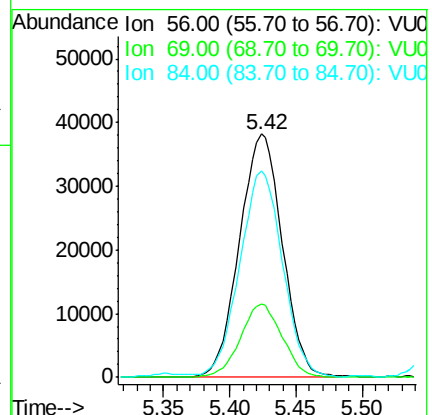
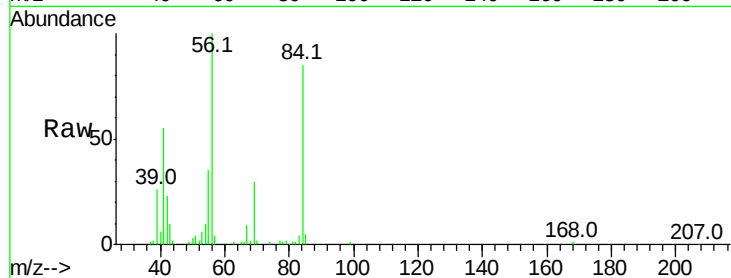
Tgt Ion: 56 Resp: 85888

Ion Ratio Lower Upper

56 100

69 29.2 23.8 35.8

84 84.3 68.2 102.4



#30

1,1,1-Trichloroethane

Concen: 9.838 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

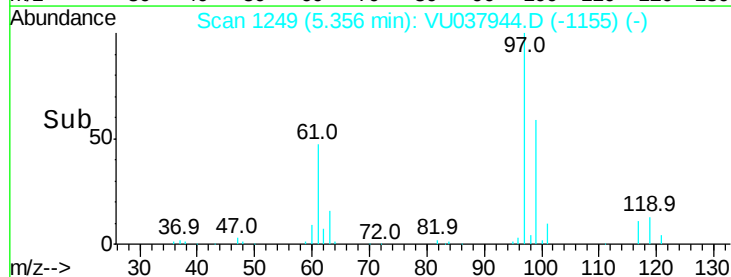
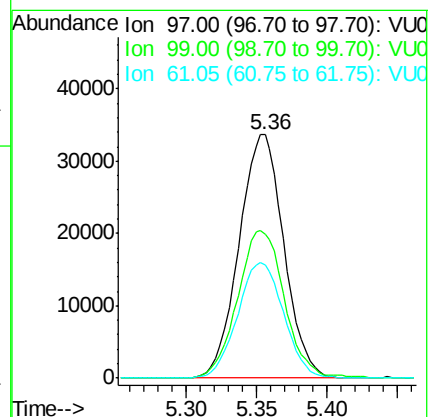
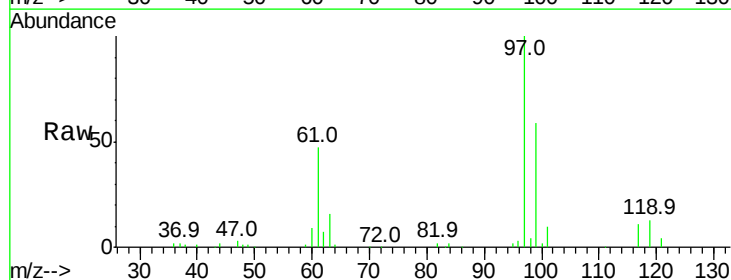
Tgt Ion: 97 Resp: 74631

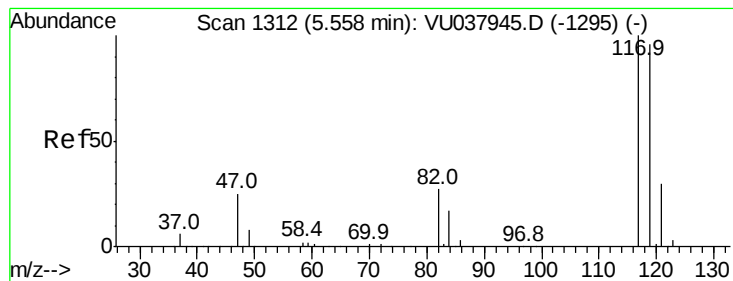
Ion Ratio Lower Upper

97 100

99 63.2 50.5 75.7

61 48.9 38.8 58.2





#31

Carbon tetrachloride

Concen: 9.375 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

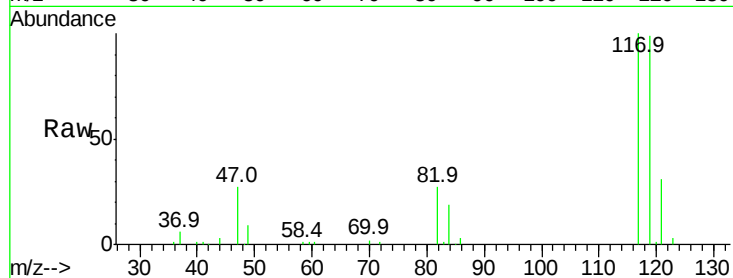
VSTD01035

Tgt Ion:117 Resp: 57490

Ion Ratio Lower Upper

117 100

119 99.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.56

30000

25000

20000

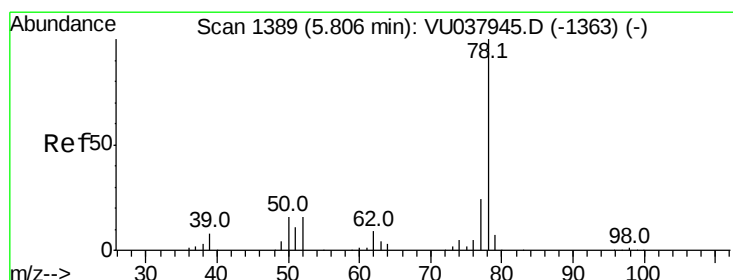
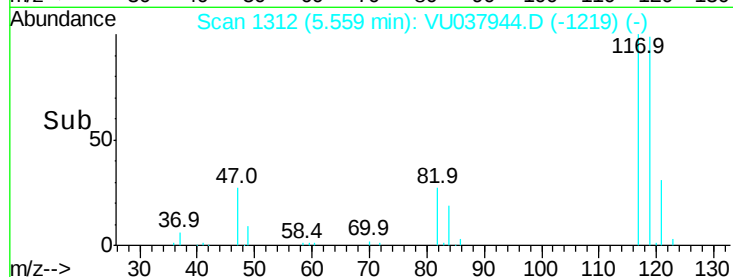
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 10.491 ug/L

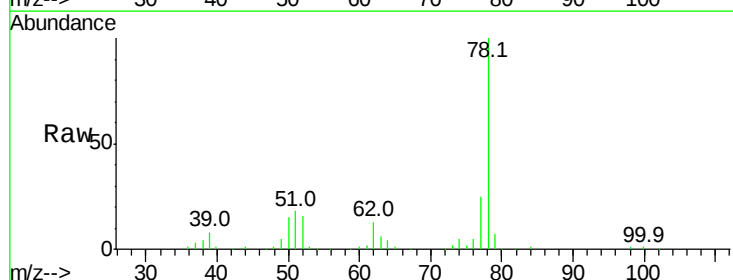
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Tgt Ion: 78 Resp: 216303



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.81

120000

100000

80000

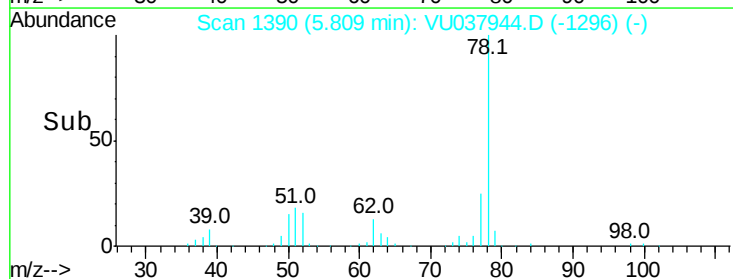
60000

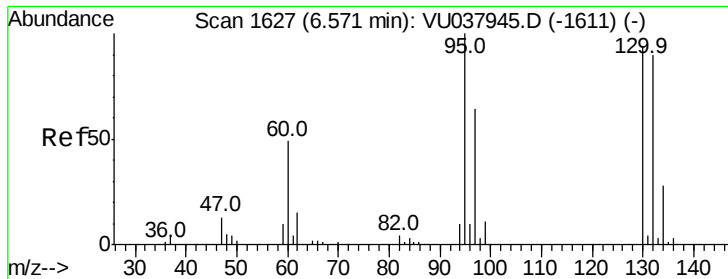
40000

20000

0

Time-->

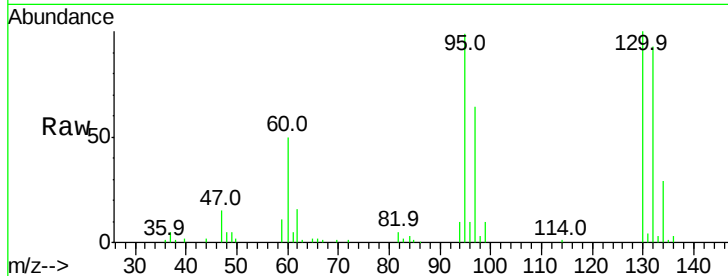




#34
 Trichloroethene
 Concen: 10.163 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

Tgt Ion:	95	Resp:	51397
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.9	83.5
132	93.5	63.2	117.4
130	100.6	65.9	122.3



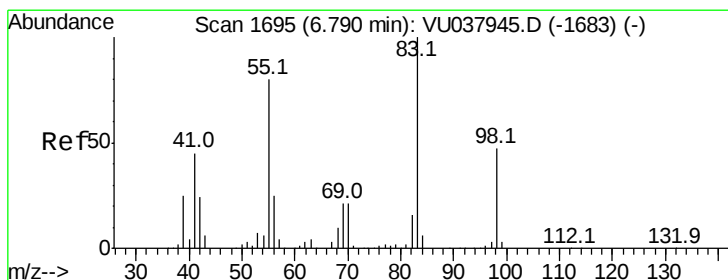
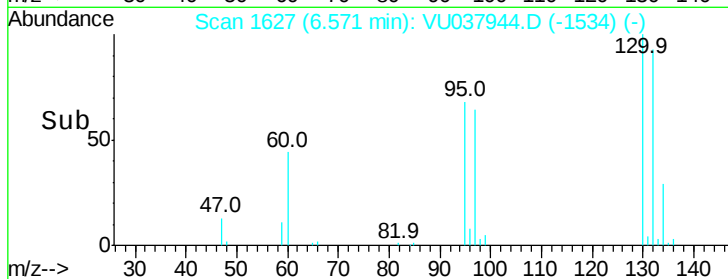
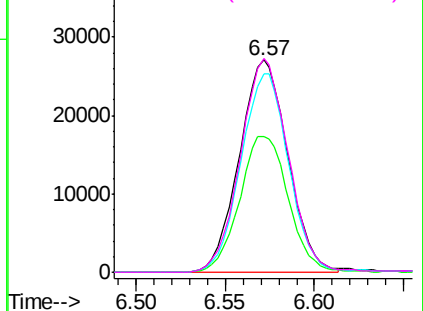
Abundance

Ion 95.00 (94.70 to 95.70): VU037944.D (-1611) (-)

Ion 97.00 (96.70 to 97.70): VU037944.D (-1611) (-)

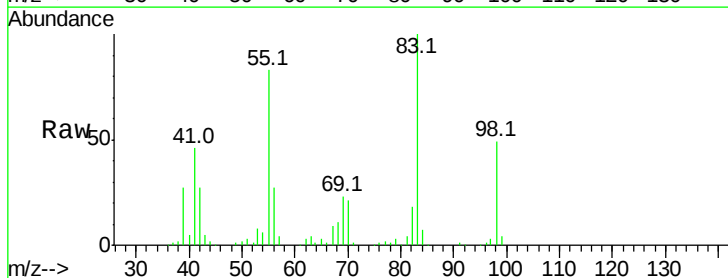
Ion 132.00 (131.70 to 132.70): VU037944.D (-1611) (-)

Ion 130.00 (129.70 to 130.70): VU037944.D (-1611) (-)



#35
 Methylcyclohexane
 Concen: 8.883 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Tgt Ion:	83	Resp:	78658
Ion	Ratio	Lower	Upper
83	100		
55	82.5	64.2	96.4
98	49.6	38.1	57.1

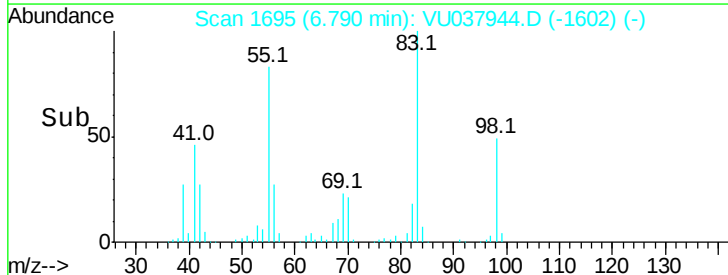
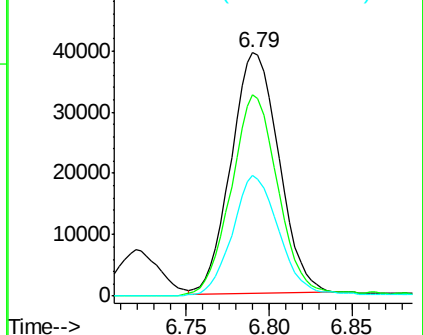


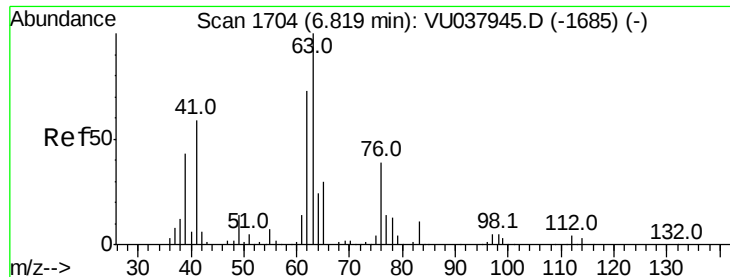
Abundance

Ion 83.00 (82.70 to 83.70): VU037944.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037944.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037944.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 10.127 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

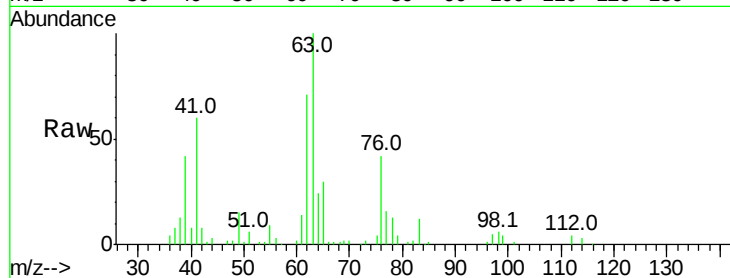
VSTD01035

Tgt Ion: 63 Resp: 57025

Ion Ratio Lower Upper

63 100

112 3.7 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU037944.D (-1685) (-)

Ion 112.00 (111.70 to 112.70): VU037944.D (-1685) (-)

6.82

30000

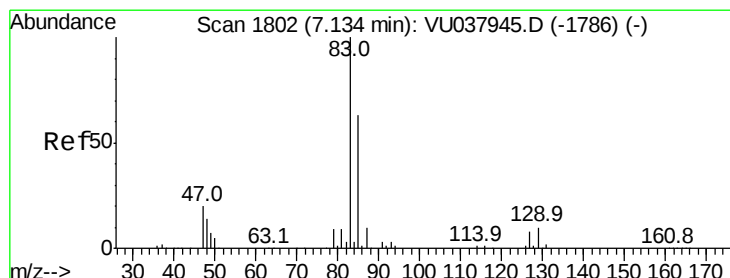
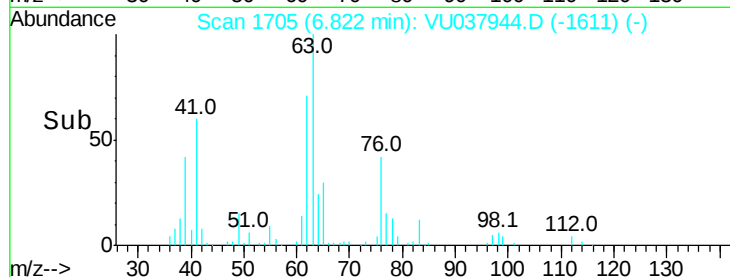
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 9.973 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

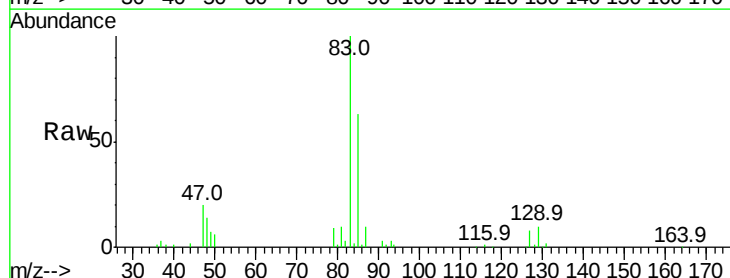
Tgt Ion: 83 Resp: 67850

Ion Ratio Lower Upper

83 100

85 63.4 43.8 81.3

127 8.5 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VU037944.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU037944.D (-1786) (-)

Ion 127.00 (126.70 to 127.70): VU037944.D (-1786) (-)

7.13

50000

40000

30000

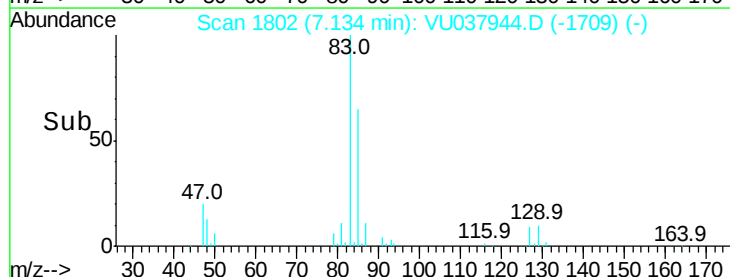
20000

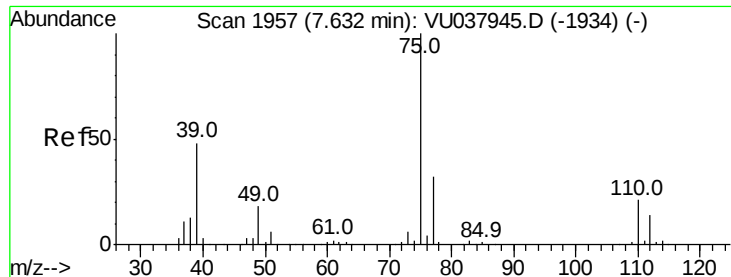
10000

0

7.05 7.10 7.15 7.20

Time-->

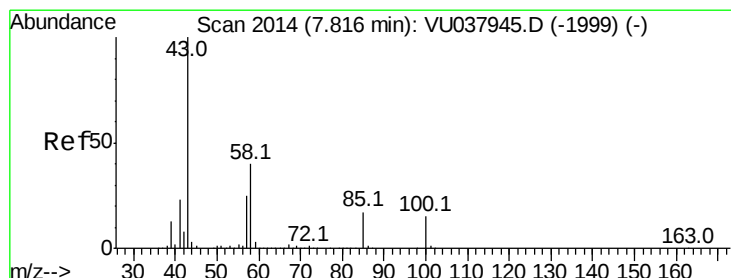
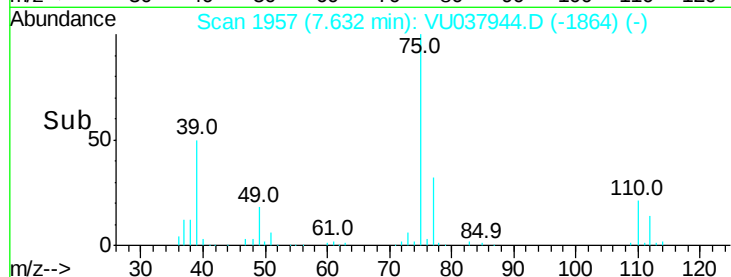
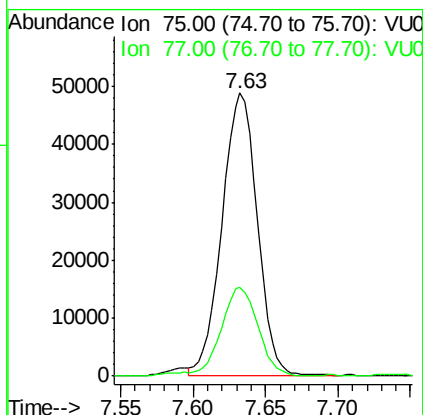
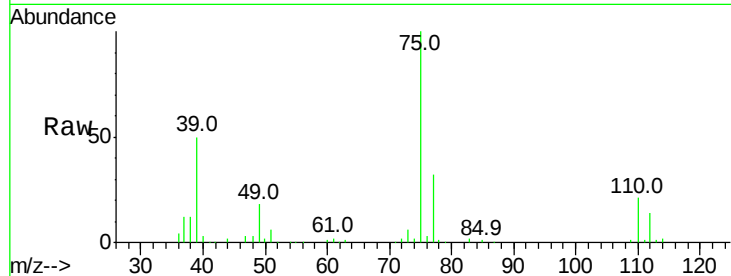




#39
 cis-1,3-Dichloropropene
 Concen: 9.088 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

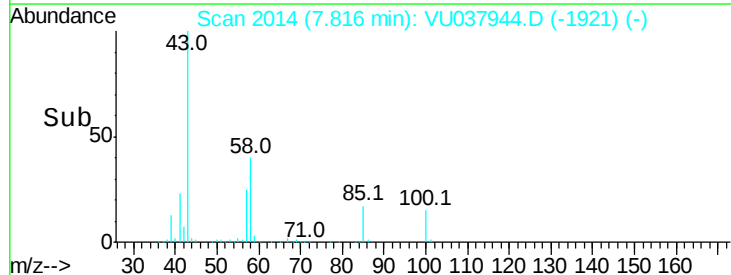
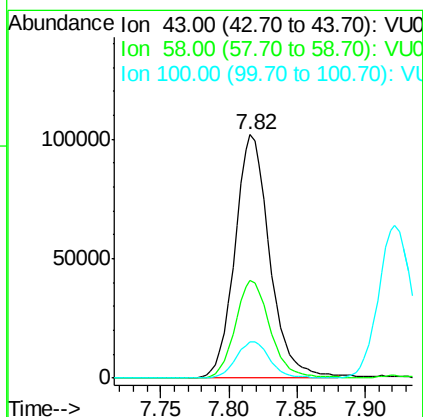
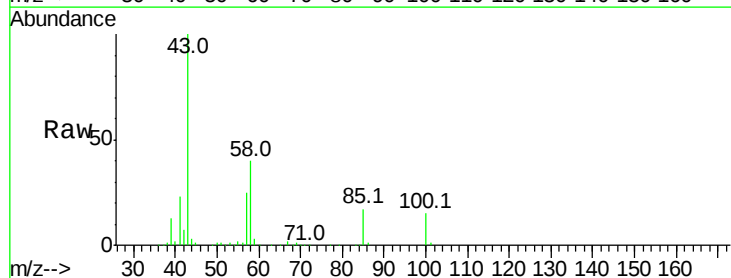
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

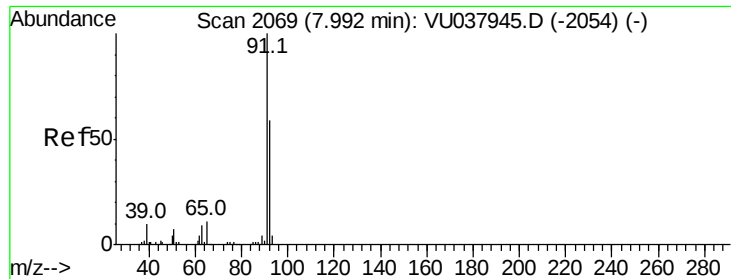
Tgt Ion: 75 Resp: 81938
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 18.446 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Tgt Ion: 43 Resp: 180637
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.8 47.8
 100 14.7 12.2 18.2





#42

Toluene

Concen: 10.521 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

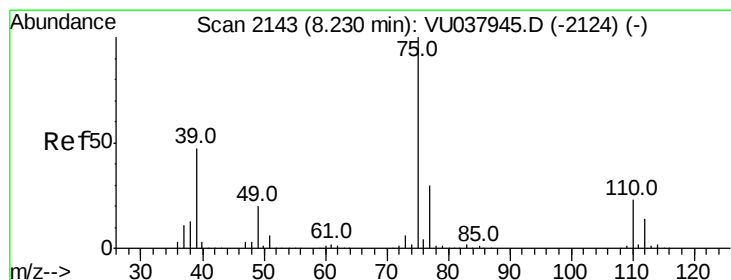
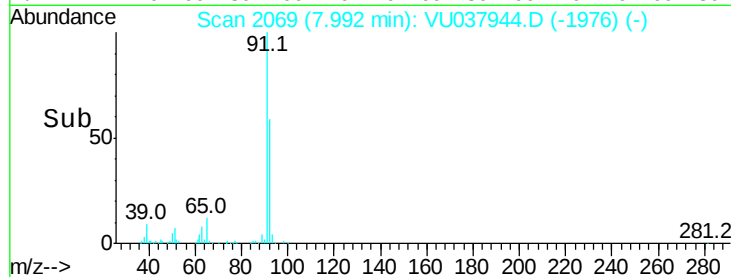
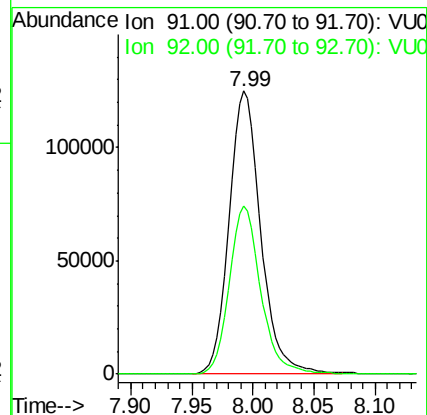
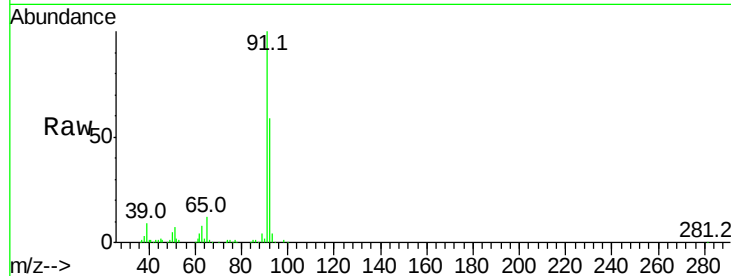
VSTD01035

Tgt Ion: 91 Resp: 227423

Ion Ratio Lower Upper

91 100

92 59.5 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 8.759 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037944.D

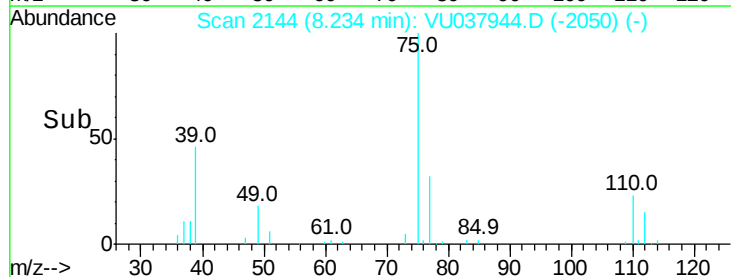
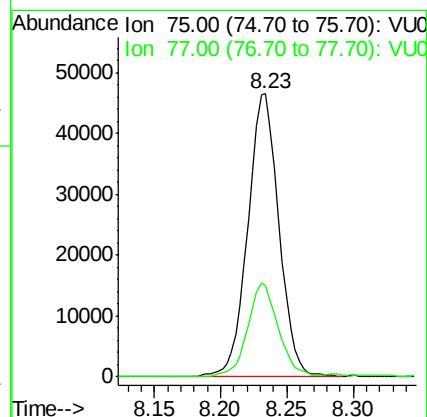
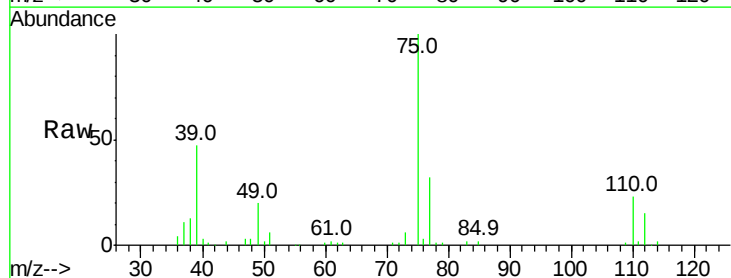
Acq: 30 Apr 2020 10:17

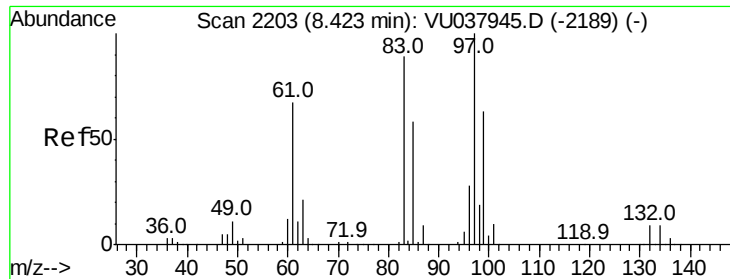
Tgt Ion: 75 Resp: 76225

Ion Ratio Lower Upper

75 100

77 32.1 21.2 39.4

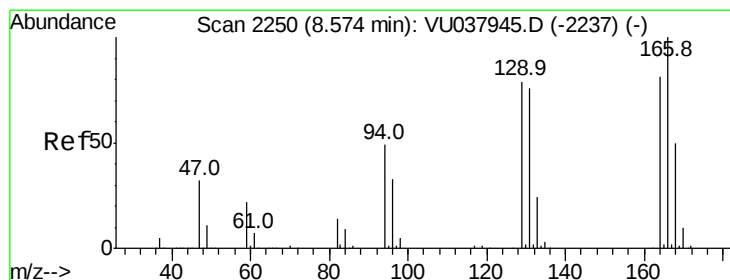
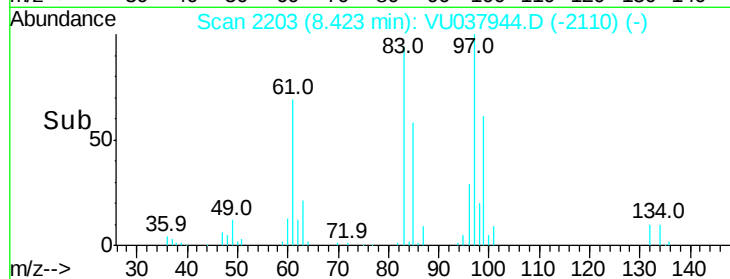
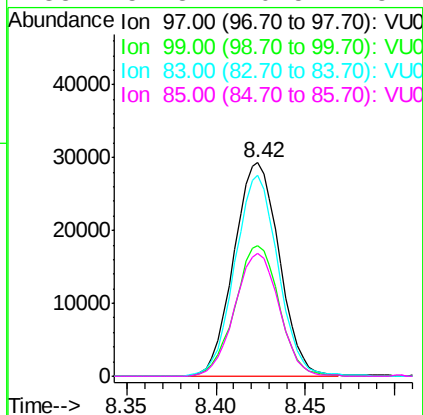
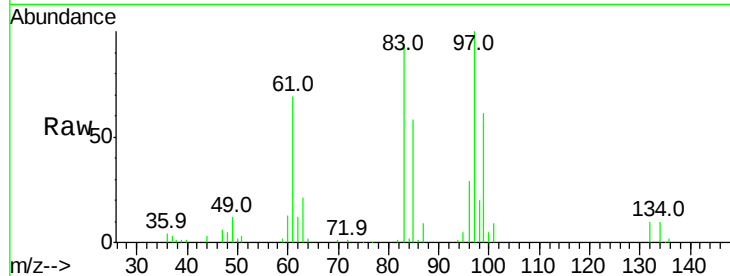




#45
 1,1,2-Trichloroethane
 Concen: 10.581 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

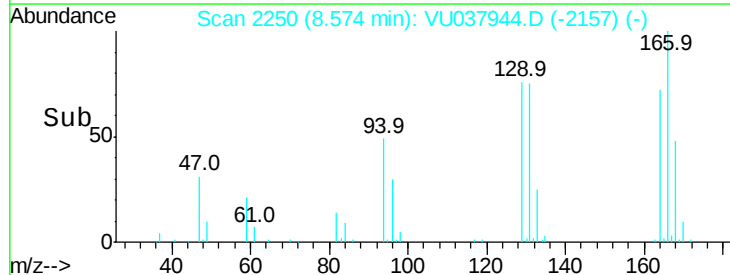
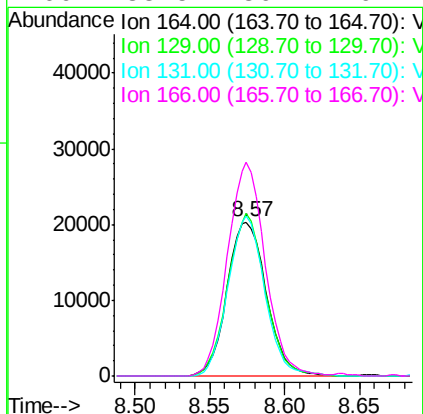
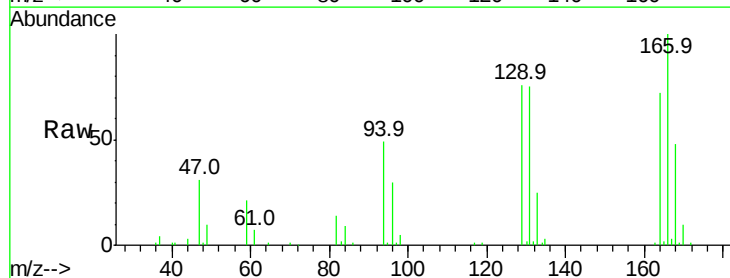
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

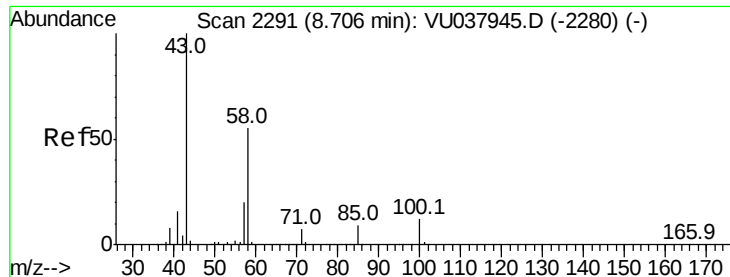
Tgt Ion:	97	Resp:	51979
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.4	82.4
83	93.9	61.9	115.1
85	57.8	40.5	75.1



#46
 Tetrachloroethene
 Concen: 10.065 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Tgt Ion:	164	Resp:	37205
Ion	Ratio	Lower	Upper
164	100		
129	105.4	68.4	127.0
131	103.8	65.7	122.1
166	138.5	86.7	161.1

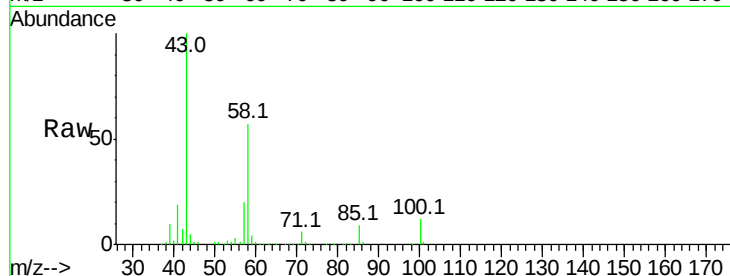




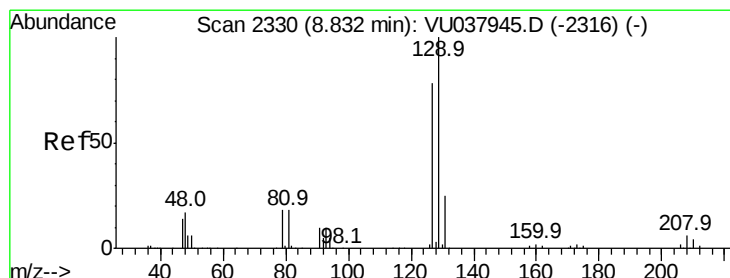
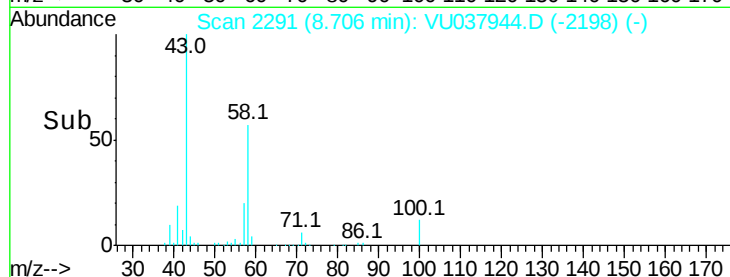
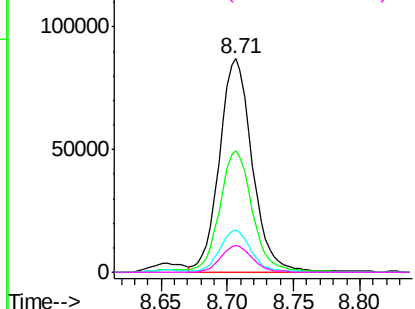
#48
2-Hexanone
Concen: 19.381 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037944.D
Acq: 30 Apr 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD01035

Tgt Ion:	43	Resp:	150064
Ion	Ratio	Lower	Upper
43	100		
58	55.4	46.4	69.6
57	19.1	16.4	24.6
100	12.0	9.5	14.3

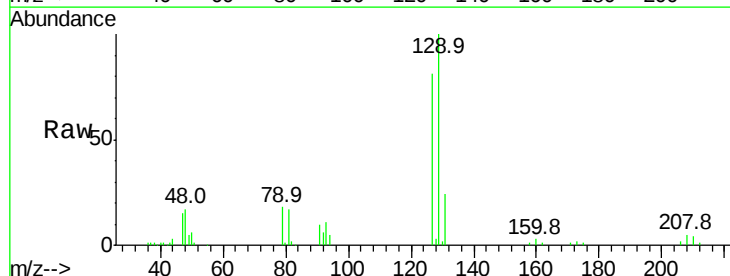


Abundance Ion 43.00 (42.70 to 43.70): VU037944.D (-2280) (-)
Ion 58.00 (57.70 to 58.70): VU037944.D (-2280) (-)
Ion 57.00 (56.70 to 57.70): VU037944.D (-2280) (-)
Ion 100.00 (99.70 to 100.70): VU037944.D (-2280) (-)

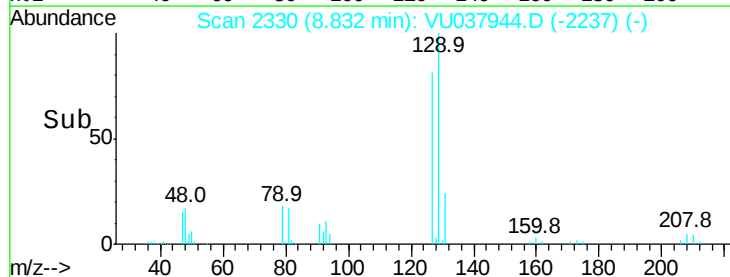
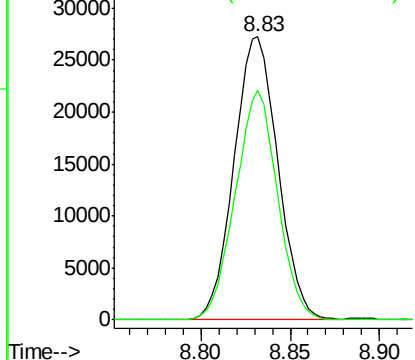


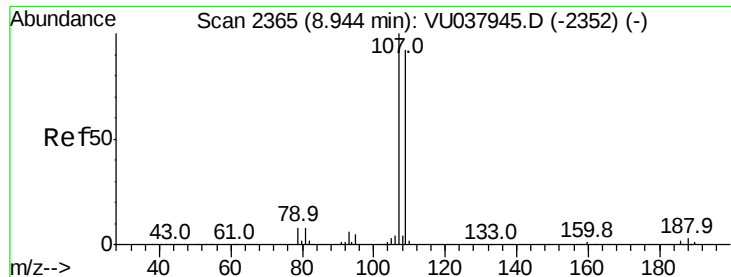
#49
Dibromochloromethane
Concen: 9.104 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037944.D
Acq: 30 Apr 2020 10:17

Tgt Ion:	129	Resp:	46698
Ion	Ratio	Lower	Upper
129	100		
127	81.1	54.7	101.5



Abundance Ion 129.00 (128.70 to 129.70): VU037944.D (-2316) (-)
Ion 127.00 (126.70 to 127.70): VU037944.D (-2316) (-)

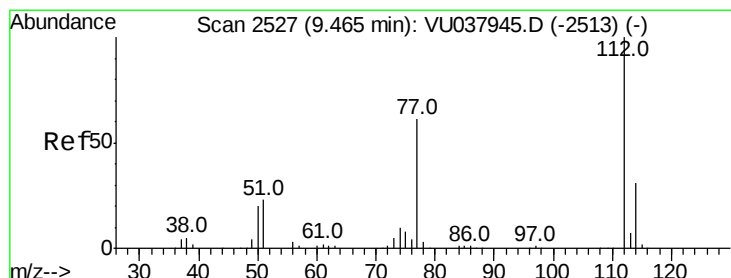
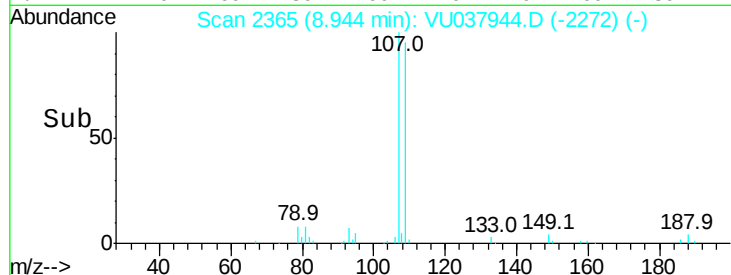
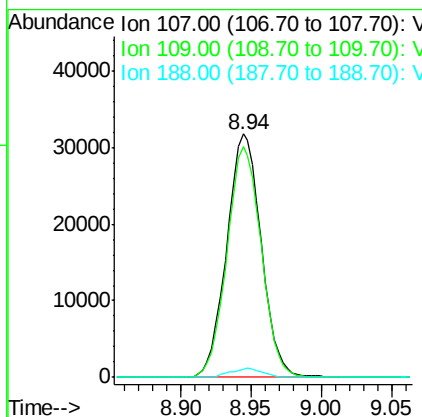
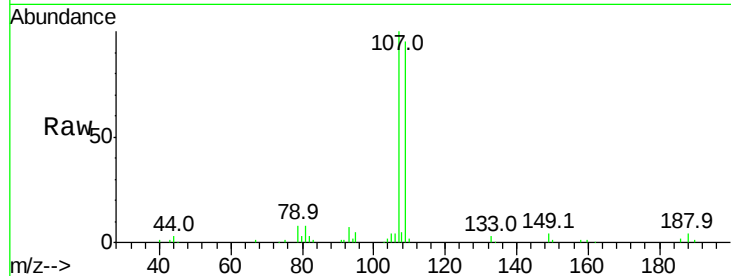




#50
 1,2-Dibromoethane
 Concen: 10.212 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

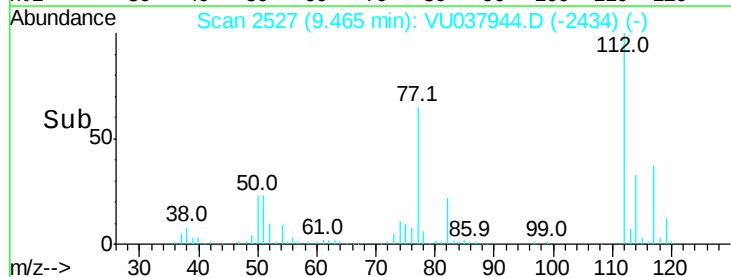
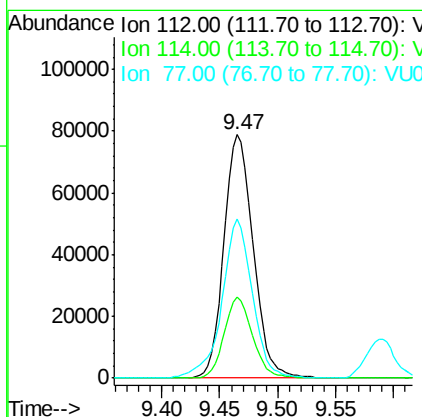
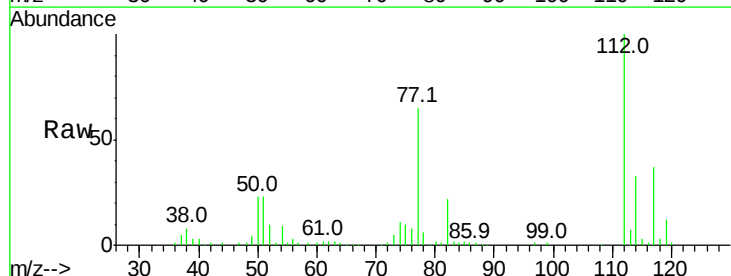
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

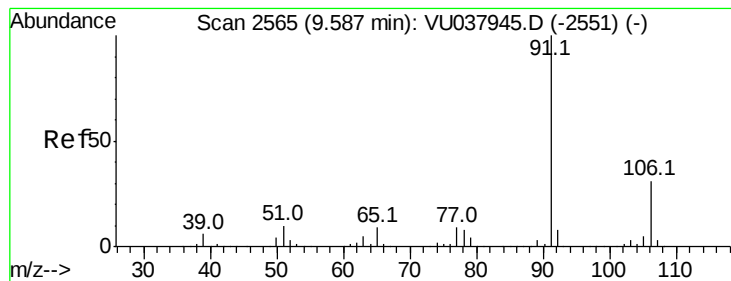
Tgt Ion:107 Resp: 54337
 Ion Ratio Lower Upper
 107 100
 109 94.6 64.1 119.1
 188 3.5 2.2 3.2#



#51
 Chlorobenzene
 Concen: 10.236 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Tgt Ion:112 Resp: 137627
 Ion Ratio Lower Upper
 112 100
 114 33.3 21.6 40.2
 77 65.1 49.3 73.9





#52

Ethylbenzene

Concen: 10.092 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

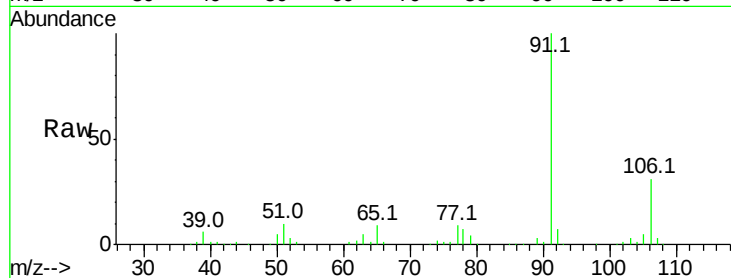
VSTD01035

Tgt Ion: 91 Resp: 244291

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037945.D (-2551) (-)

9.59

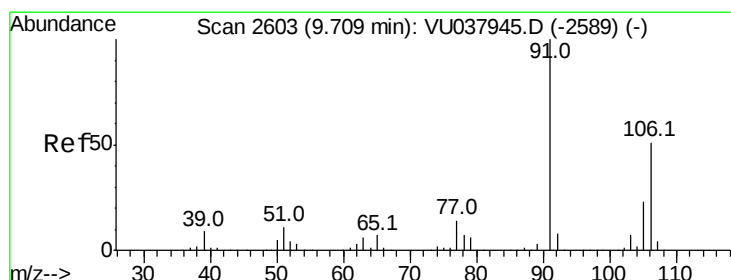
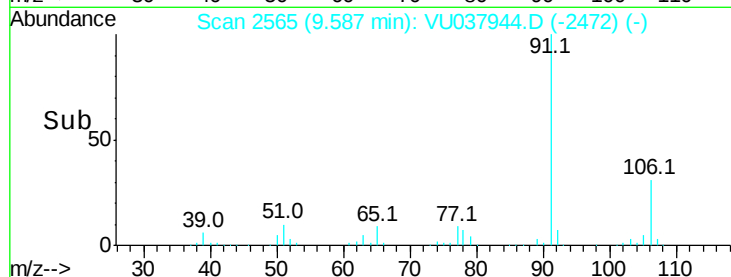
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65 9.70



#53

m,p-Xylene

Concen: 10.037 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037944.D

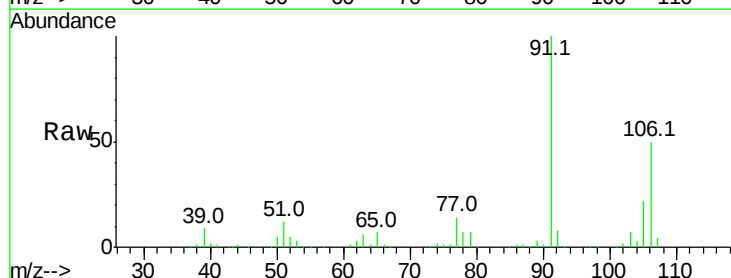
Acq: 30 Apr 2020 10:17

Tgt Ion: 106 Resp: 91482

Ion Ratio Lower Upper

106 100

91 199.1 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037945.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VU037945.D (-2589) (-)

9.71

120000

100000

80000

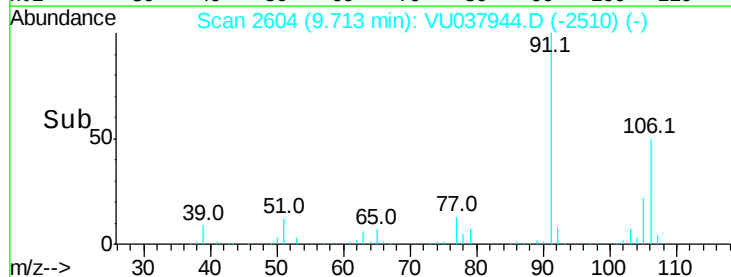
60000

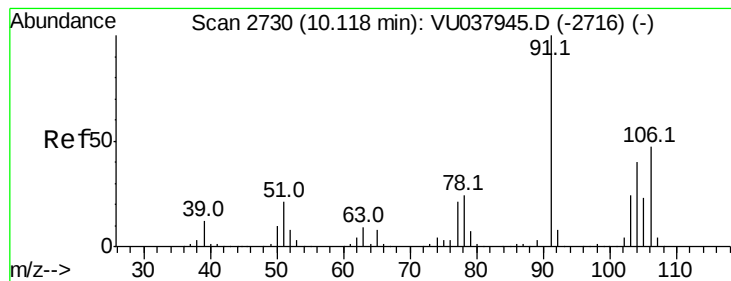
40000

20000

0

Time--> 9.65 9.70 9.75 9.80





#54

o-xylene

Concen: 10.266 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

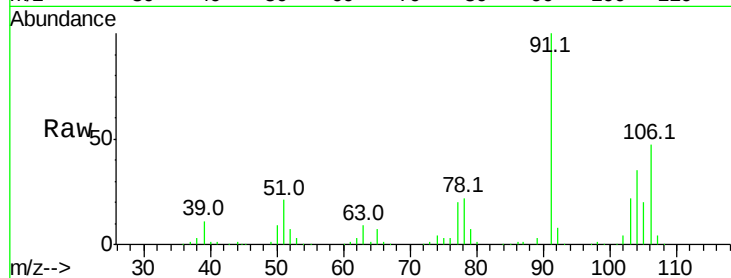
VSTD01035

Tgt Ion:106 Resp: 91507

Ion Ratio Lower Upper

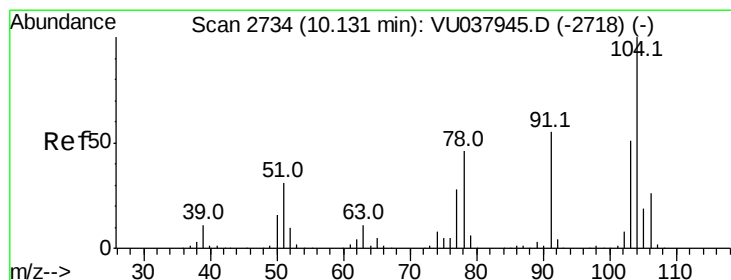
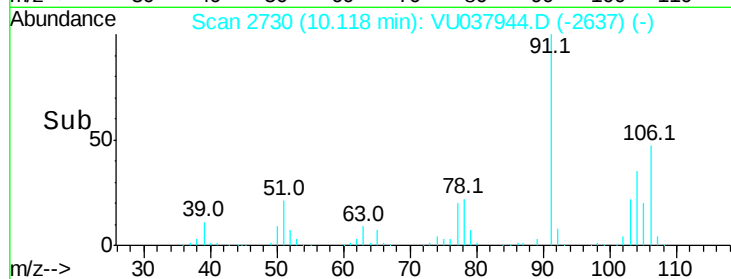
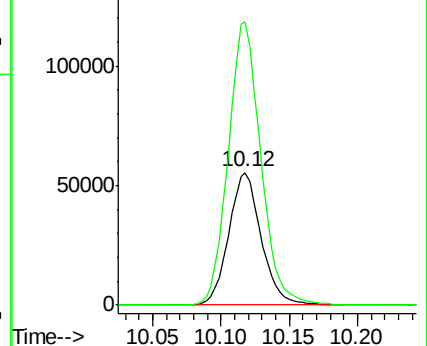
106 100

91 213.8 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.633 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU037944.D

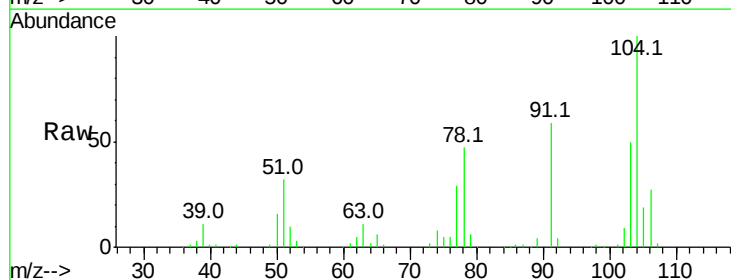
Acq: 30 Apr 2020 10:17

Tgt Ion:104 Resp: 147662

Ion Ratio Lower Upper

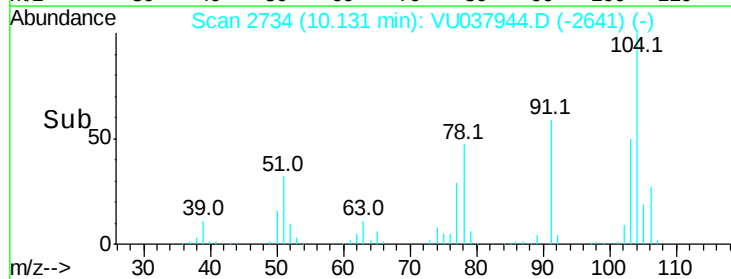
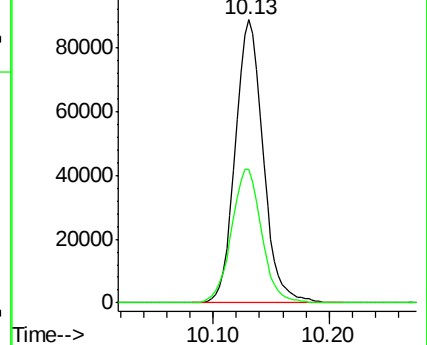
104 100

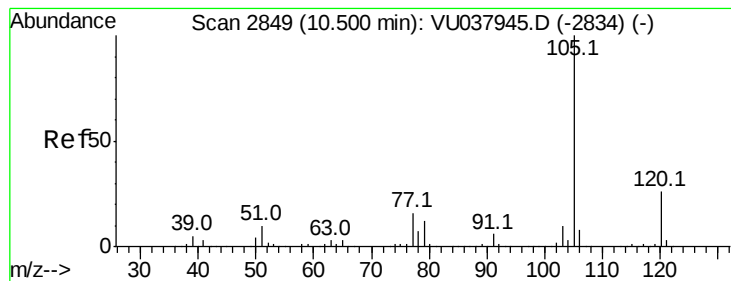
78 47.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.811 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

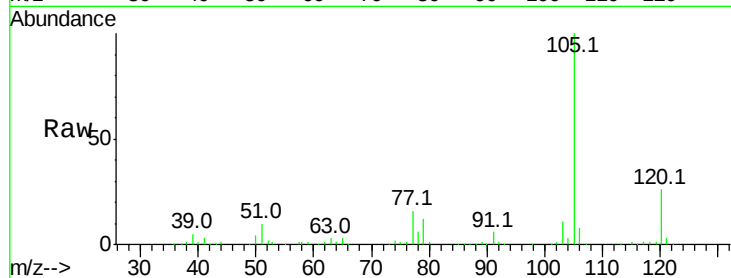
Tgt Ion:105 Resp: 231449

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

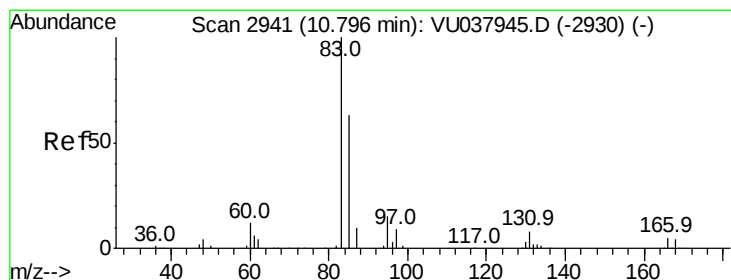
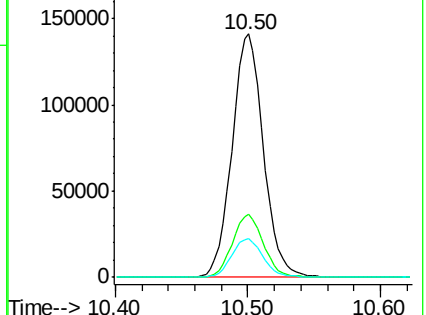
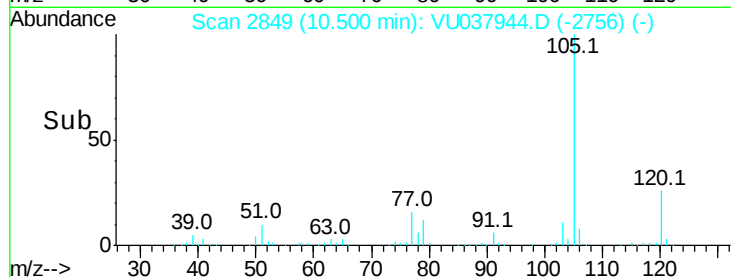
77 15.9 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.096 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

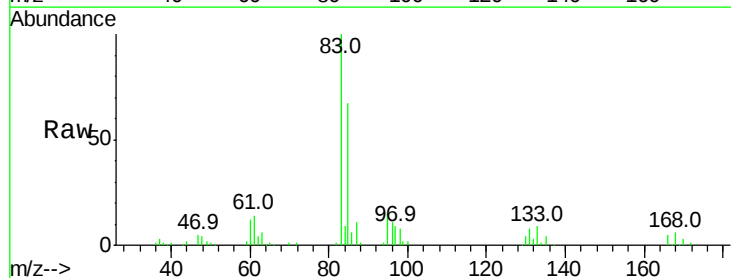
Tgt Ion: 83 Resp: 88200

Ion Ratio Lower Upper

83 100

85 66.6 44.9 83.3

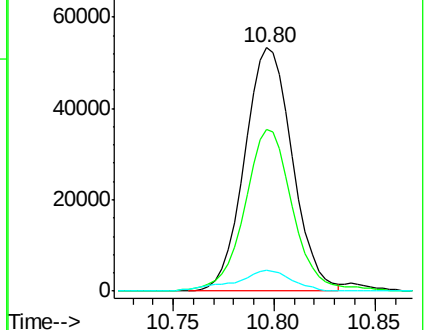
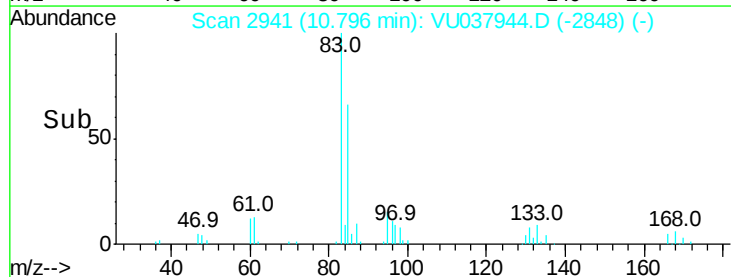
131 8.5 6.8 10.2

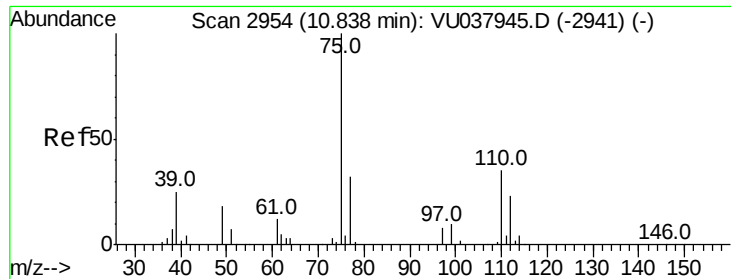


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

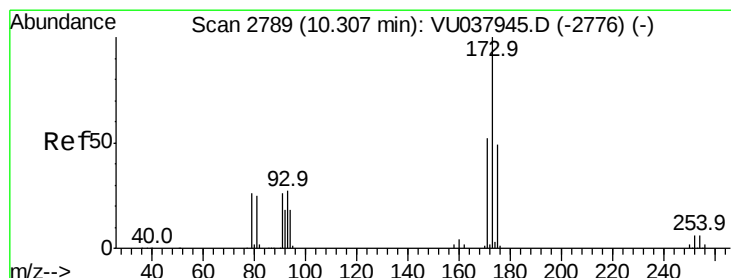
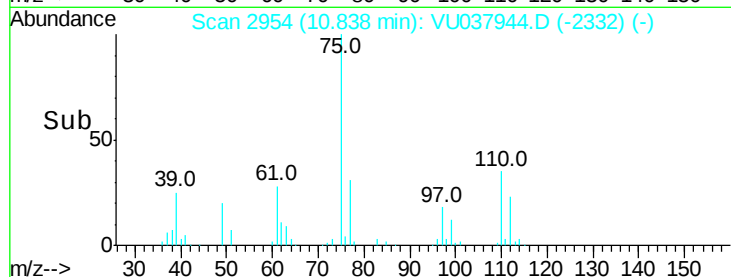
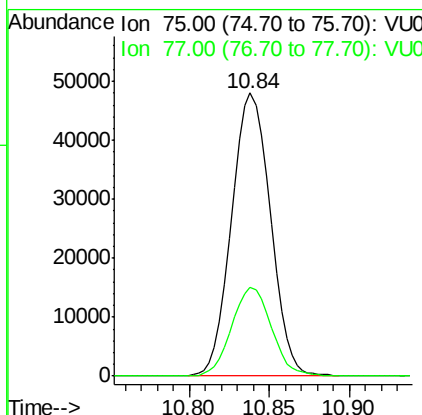
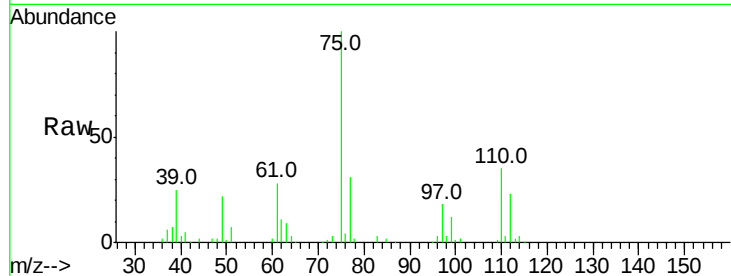




#59
 1,2,3-Trichloropropane
 Concen: 10.521 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

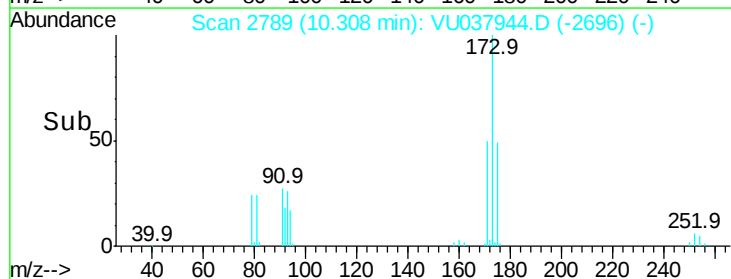
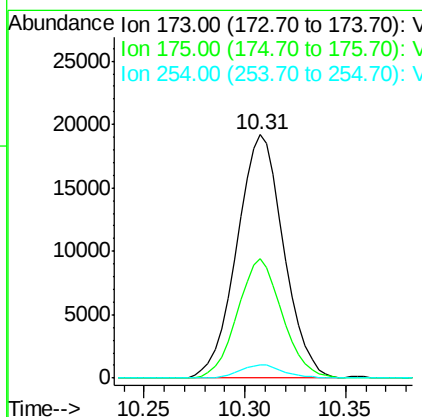
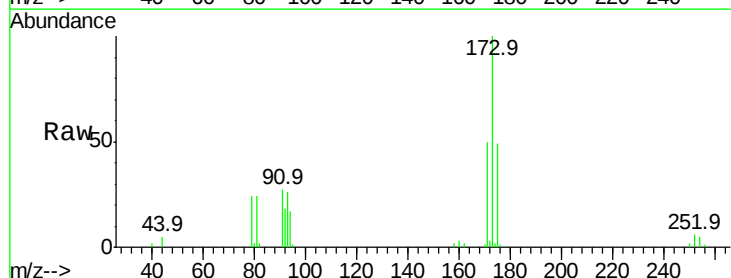
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

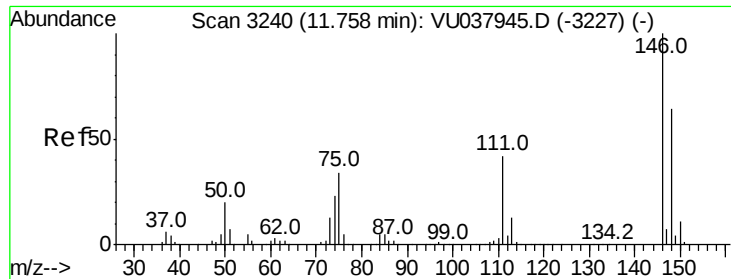
Tgt Ion: 75 Resp: 79587
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2



#61
 Bromoform
 Concen: 9.088 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Tgt Ion: 173 Resp: 31215
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.0 58.4
 254 4.9 4.7 7.1





#62

1,3-Dichlorobenzene

Concen: 10.243 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

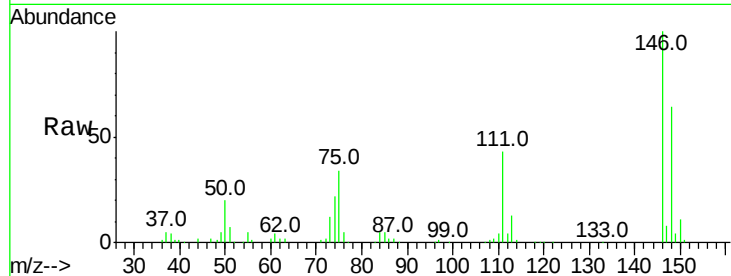
Tgt Ion:146 Resp: 97885

Ion Ratio Lower Upper

146 100

111 42.6 29.2 54.2

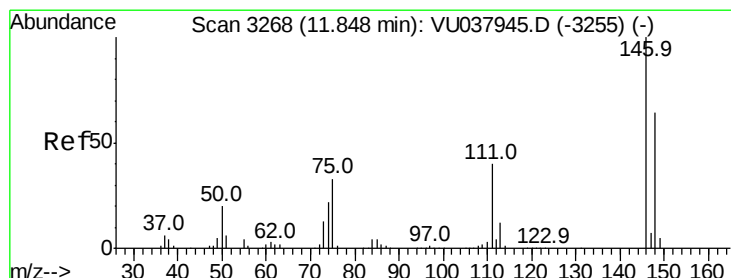
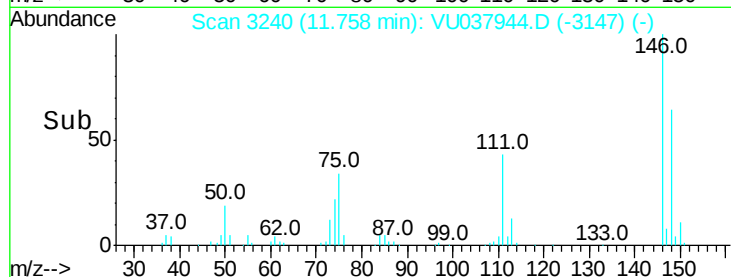
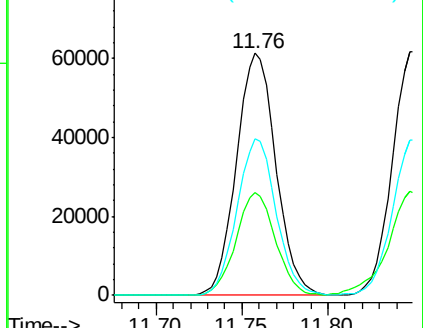
148 64.5 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.178 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

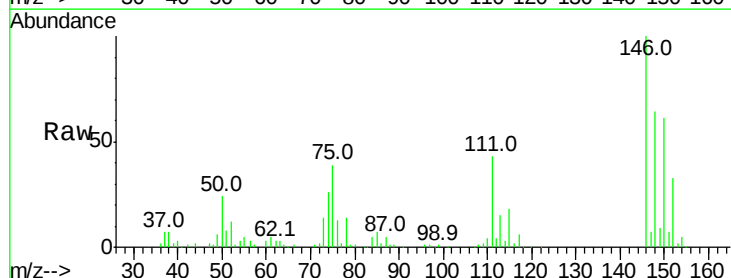
Tgt Ion:146 Resp: 98172

Ion Ratio Lower Upper

146 100

111 43.0 28.2 52.4

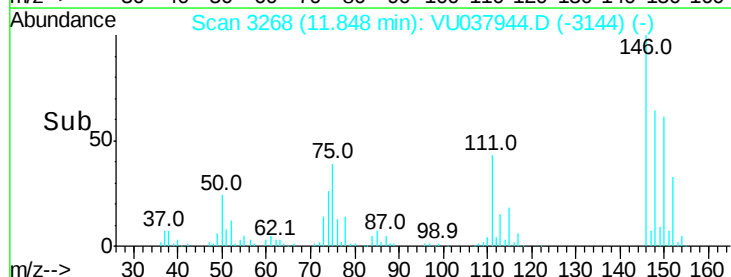
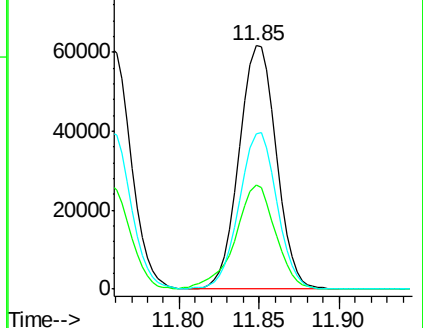
148 63.8 44.5 82.7

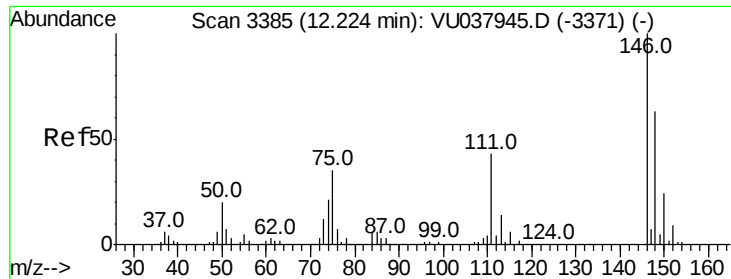


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.866 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

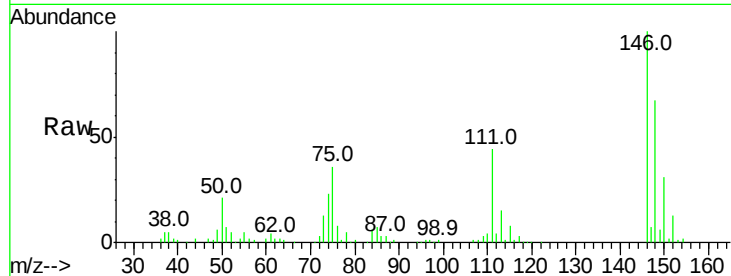
Tgt Ion:146 Resp: 100901

Ion Ratio Lower Upper

146 100

111 43.9 34.6 51.8

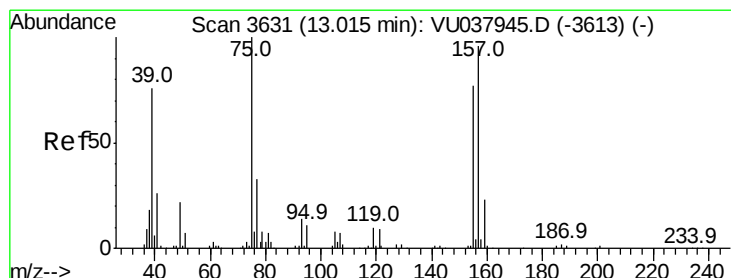
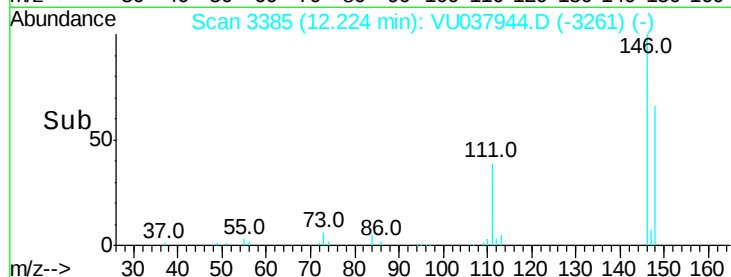
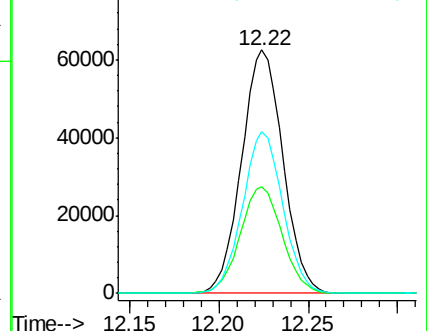
148 66.5 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.744 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

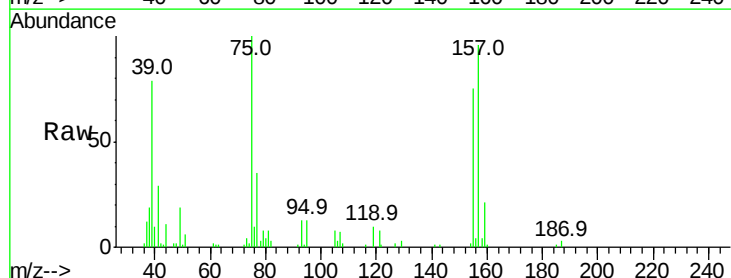
Tgt Ion: 75 Resp: 20165

Ion Ratio Lower Upper

75 100

155 74.6 61.3 91.9

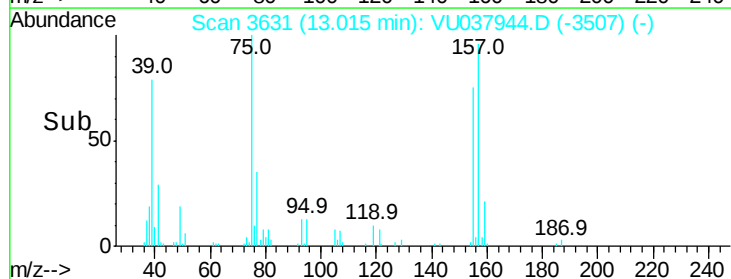
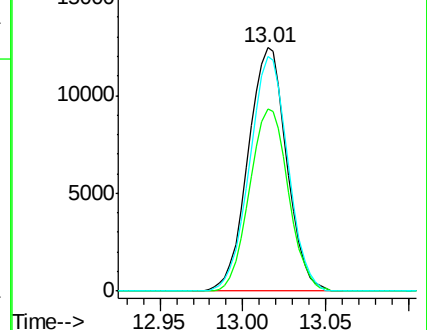
157 96.5 76.9 115.3

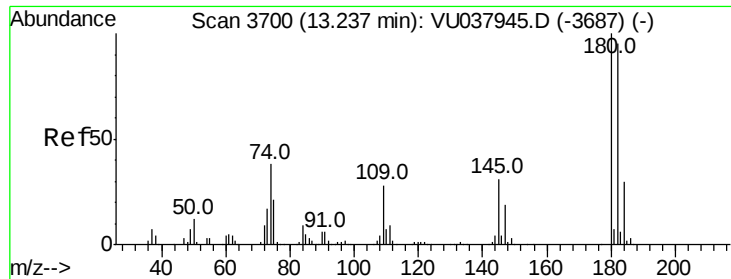


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

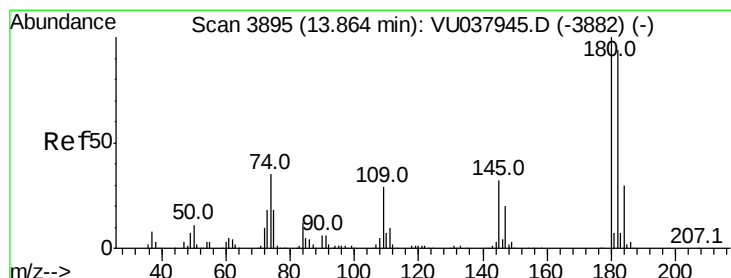
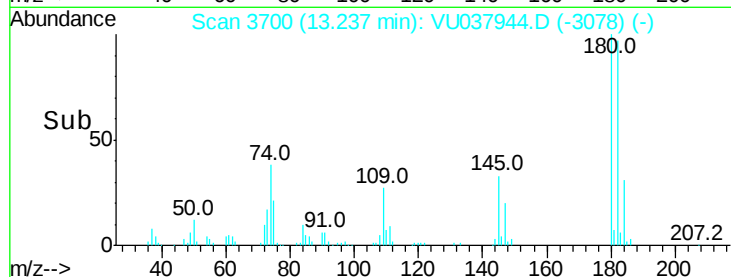
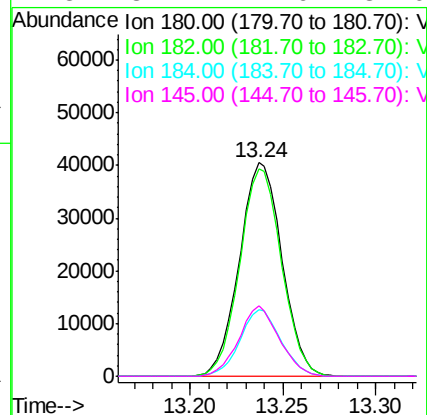
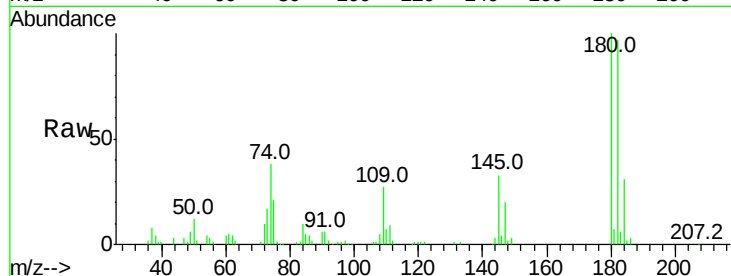




#67
 1,3,5-Trichlorobenzene
 Concen: 9.299 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

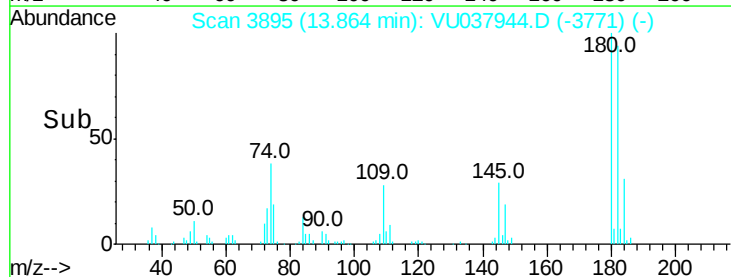
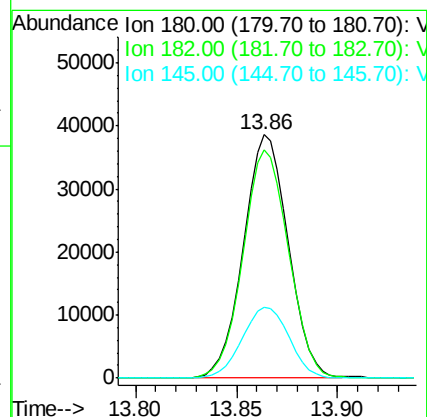
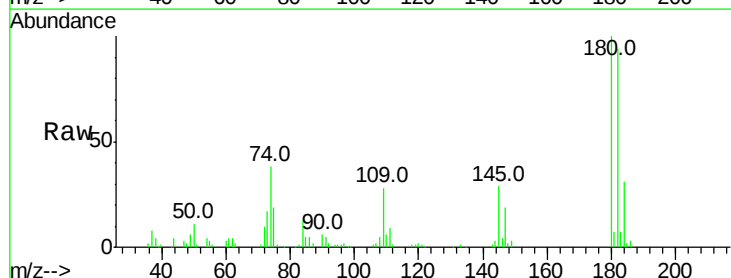
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

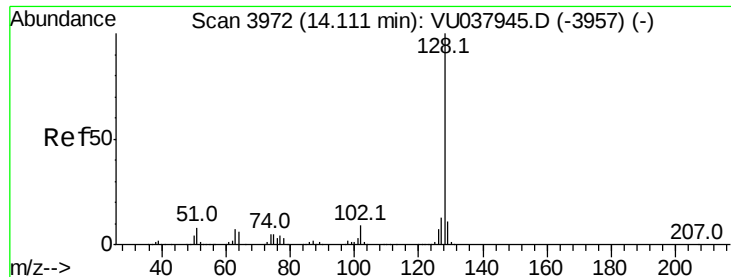
Tgt Ion:180 Resp: 64582
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.7 113.5
 184 30.0 24.2 36.2
 145 31.2 24.6 37.0



#68
 1,2,4-trichlorobenzene
 Concen: 8.902 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU037944.D
 Acq: 30 Apr 2020 10:17

Tgt Ion:180 Resp: 60125
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.4 113.0
 145 30.4 25.3 37.9





#69

Naphthalene

Concen: 9.816 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD01035

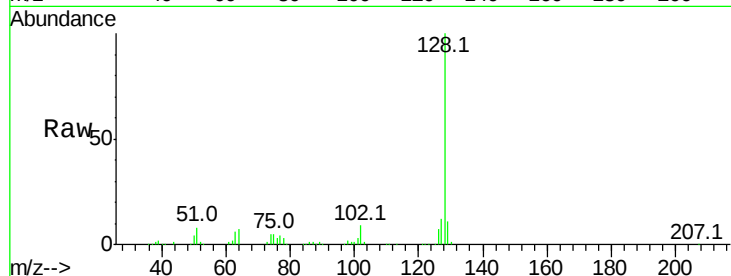
Tgt Ion:128 Resp: 237750

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

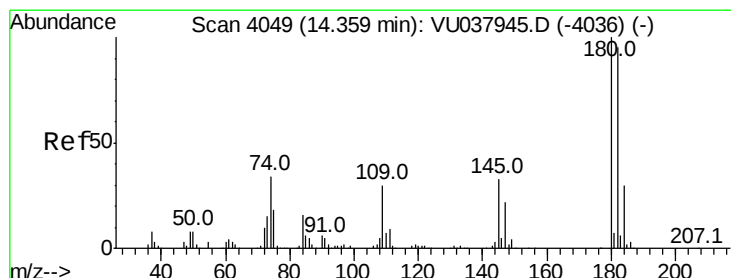
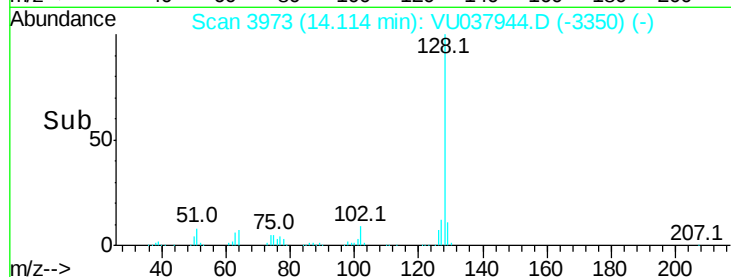
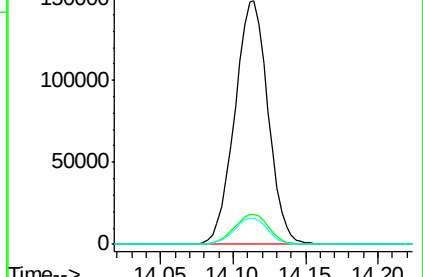
129 10.9 8.8 13.2



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: 9.225 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037944.D

Acq: 30 Apr 2020 10:17

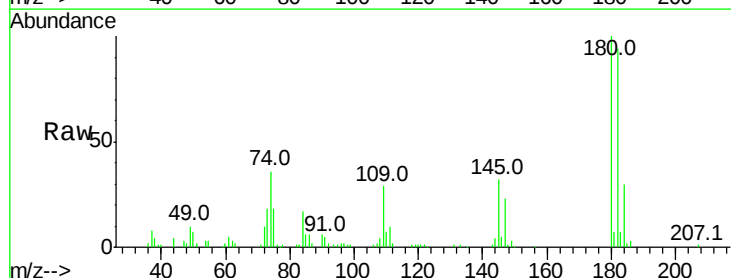
Tgt Ion:180 Resp: 61529

Ion Ratio Lower Upper

180 100

182 93.9 75.9 113.9

145 33.3 27.0 40.4



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

