

Data File : VU037943.D
Acq On : 30 Apr 2020 09:54
Operator : JC/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Apr 30 11:00:49 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	563856	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	543227	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	244725	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	30761	6.24	ug/L	0.00
7) Chloroethane-d5	1.93	69	24328	6.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	48078	6.03	ug/L	0.00
21) 2-Butanone-d5	4.67	46	45924	11.76	ug/L	0.00
24) Chloroform-d	5.10	84	43931	5.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	33798	6.50	ug/L	0.00
32) Benzene-d6	5.76	84	98911	6.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	33258	6.47	ug/L	0.00
41) Toluene-d8	7.92	98	88991	6.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	15096	5.71	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	27976	10.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	45076	6.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	33098	6.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	24344	5.233 ug/L	98
3) Chloromethane	1.53	50	31360	6.185 ug/L	99
5) Vinyl chloride	1.62	62	30579	5.466 ug/L	99
6) Bromomethane	1.87	94	14811	6.399 ug/L	99
8) Chloroethane	1.95	64	18754	5.967 ug/L	97
9) Trichlorofluoromethane	2.16	101	32976	5.544 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	20260	5.845 ug/L	99
12) 1,1-Dichloroethene	2.60	96	20146	5.885 ug/L	95
13) Acetone	2.65	43	28150	12.087 ug/L	100
14) Carbon disulfide	2.82	76	67352	5.501 ug/L	99
15) Methyl Acetate	2.98	43	29220	5.191 ug/L	99
16) Methylene chloride	3.08	84	23434	5.761 ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	21861	5.711 ug/L	94
18) Methyl tert-butyl Ether	3.40	73	69818	5.295 ug/L	100
19) 1,1-Dichloroethane	3.91	63	43215	5.601 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	23653	5.644 ug/L	93
22) 2-Butanone	4.75	43	42982	10.539 ug/L	98
23) Bromochloromethane	5.02	128	10934	5.399 ug/L	97
25) Chloroform	5.13	83	43234	5.989 ug/L	93
27) 1,2-Dichloroethane	5.83	62	34287	5.545 ug/L	99
29) Cyclohexane	5.42	56	38861	5.113 ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	33017	5.442 ug/L	97
31) Carbon tetrachloride	5.56	117	26111	5.324 ug/L	96
33) Benzene	5.81	78	93796	5.689 ug/L	100
34) Trichloroethene	6.57	95	23152	5.725 ug/L	98
35) Methylcyclohexane	6.79	83	39437	5.569 ug/L	96
37) 1,2-Dichloropropane	6.82	63	24753	5.497 ug/L	98
38) Bromodichloromethane	7.13	83	29695	5.458 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	34893	4.839 ug/L	96
40) 4-Methyl-2-pentanone	7.82	43	75835	9.683 ug/L	99

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Apr 30 11:00:49 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)
42) Toluene	7.99	91	96203	5.565	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	32873	4.723	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	22142	5.636	ug/L	96
46) Tetrachloroethene	8.57	164	19202	6.496	ug/L	94
48) 2-Hexanone	8.71	43	60990	9.850	ug/L	99
49) Dibromochloromethane	8.83	129	20065	4.891	ug/L	99
50) 1,2-Dibromoethane	8.94	107	24062	5.654	ug/L	95
51) Chlorobenzene	9.47	112	61399	5.710	ug/L	96
52) Ethylbenzene	9.59	91	104086	5.377	ug/L	97
53) m,p-Xylene	9.71	106	39434	5.410	ug/L	98
54) o-xylene	10.11	106	38026	5.334	ug/L	99
55) Styrene	10.13	104	63184	5.154	ug/L	97
56) Isopropylbenzene	10.50	105	99181	5.257	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	37586	5.380	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	33136	5.478	ug/L	98
61) Bromoform	10.31	173	13236	4.806	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	42399	5.533	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	43867	5.672	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	43007	5.776	ug/L	94
66) 1,2-Dibromo-3-chloropropan	13.01	75	8923	5.377	ug/L	86
67) 1,3,5-Trichlorobenzene	13.24	180	28262	5.075	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	28035	5.177	ug/L	98
69) Naphthalene	14.11	128	100241	5.162	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	25855	4.835	ug/L	94

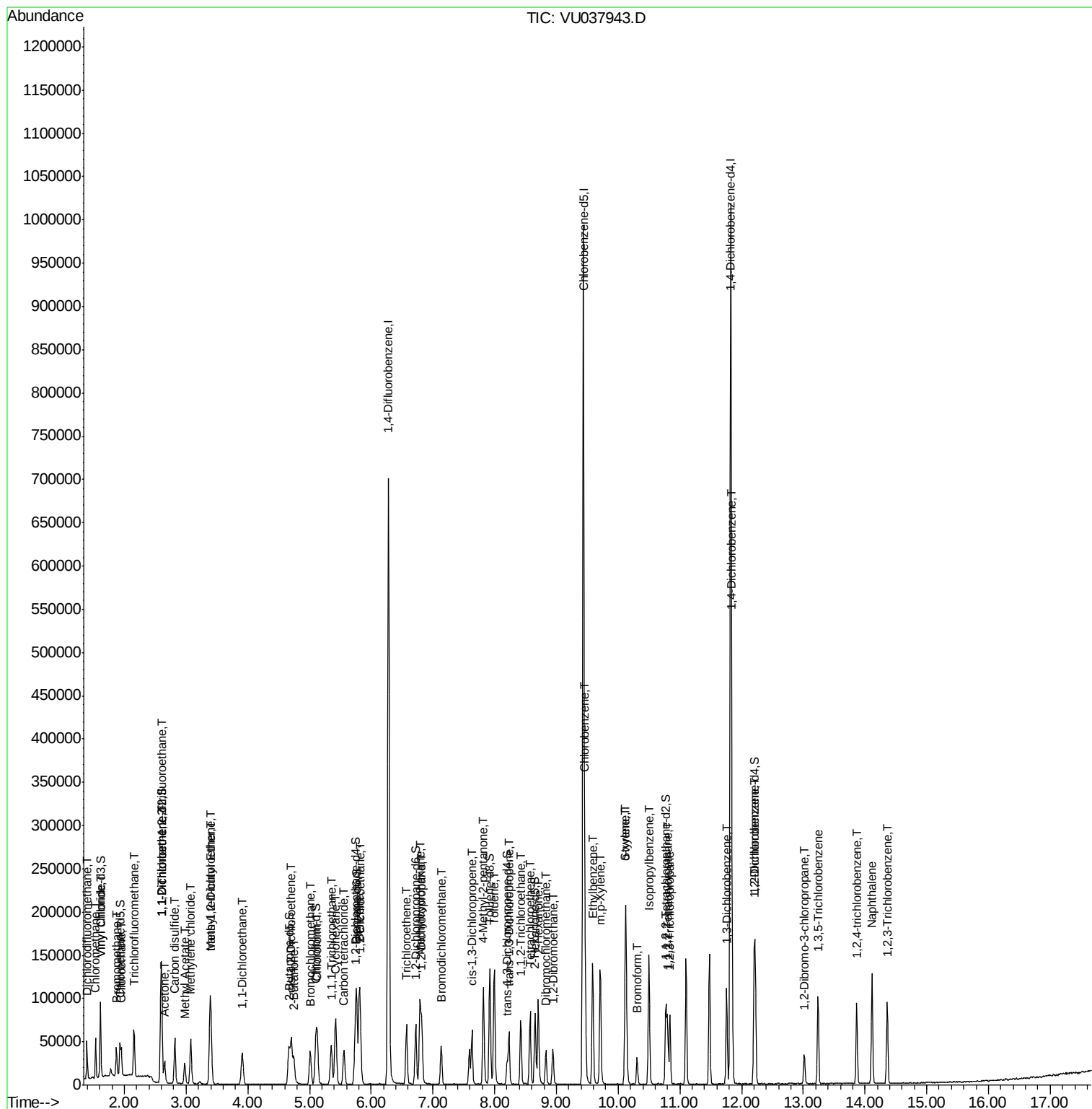
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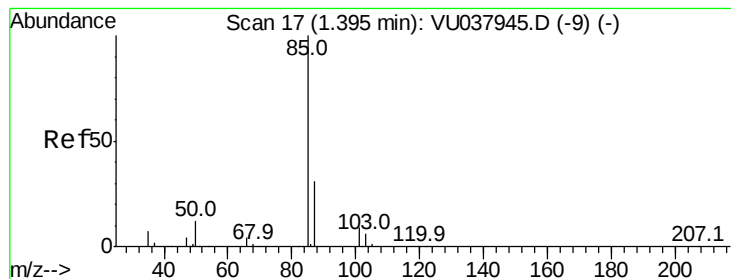
Data File : VU037943.D

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Acq On       : 30 Apr 2020   09:54
Operator    : JC/MD
Sample      : VSTD005
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial     : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Apr 30 11:00:49 2020
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
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#2

Dichlorodifluoromethane

Concen: 5.233 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

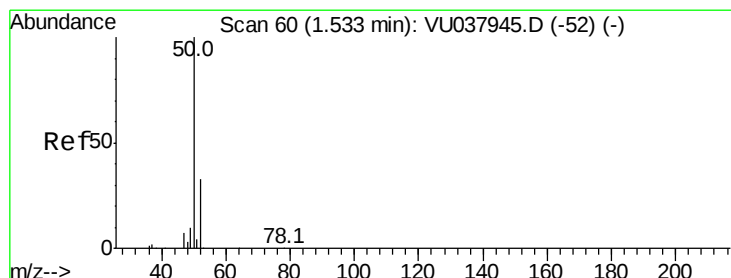
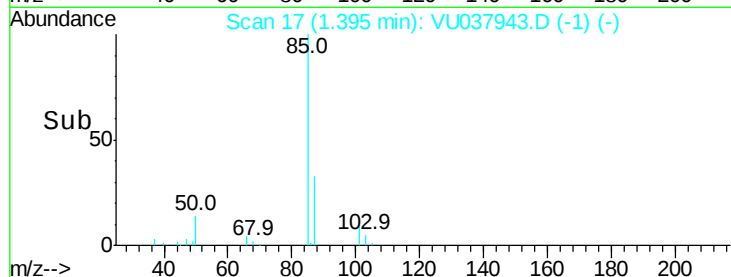
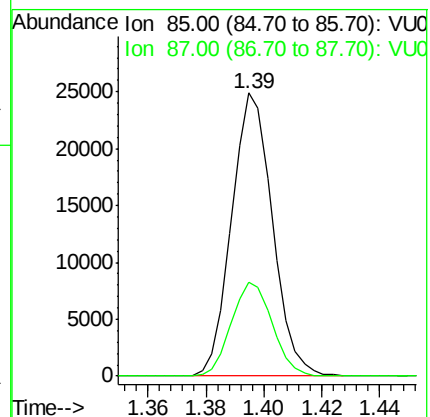
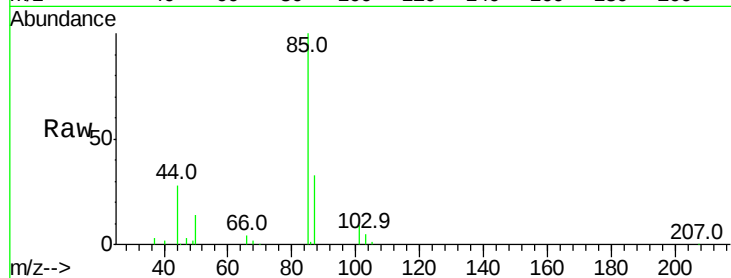
VSTD00534

Tgt Ion: 85 Resp: 24344

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



#3

Chloromethane

Concen: 6.185 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037943.D

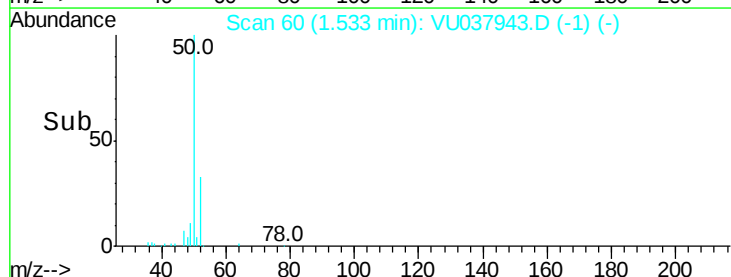
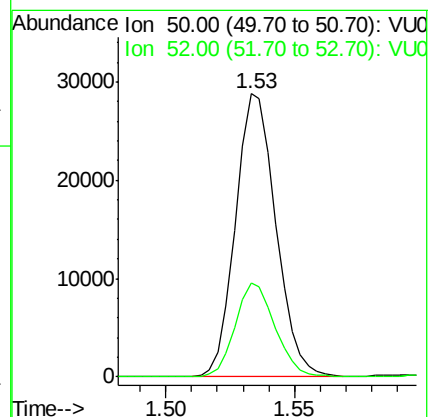
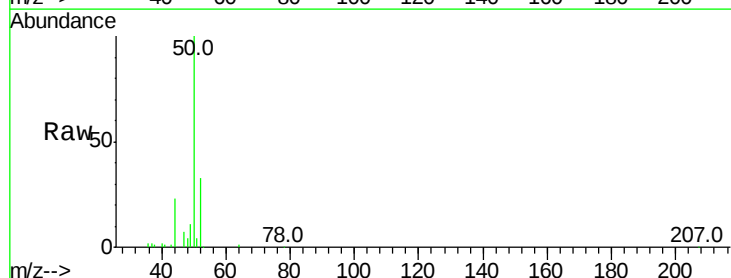
Acq: 30 Apr 2020 09:54

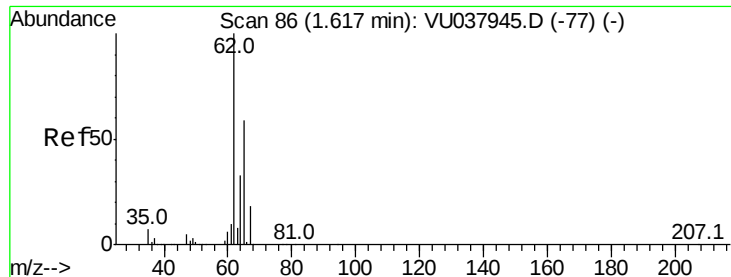
Tgt Ion: 50 Resp: 31360

Ion Ratio Lower Upper

50 100

52 33.2 22.9 42.5





#5

Vinyl chloride

Concen: 5.466 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

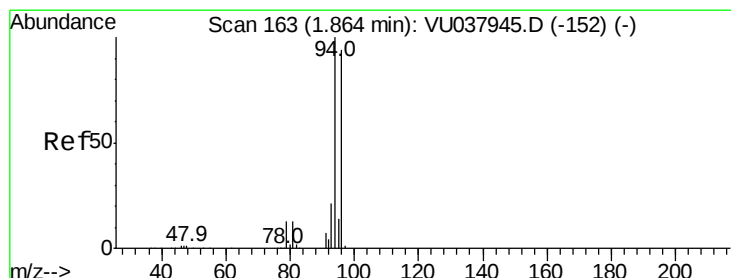
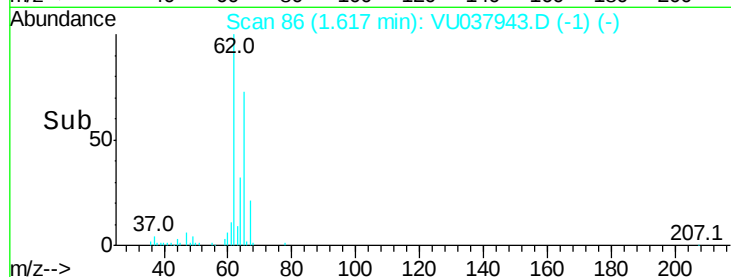
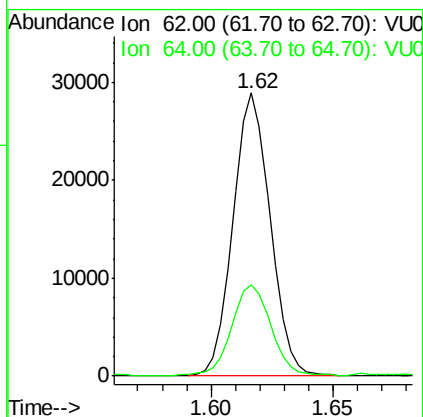
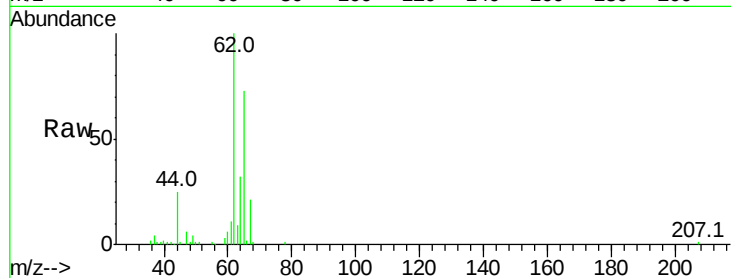
VSTD00534

Tgt Ion: 62 Resp: 30579

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.2



#6

Bromomethane

Concen: 6.399 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU037943.D

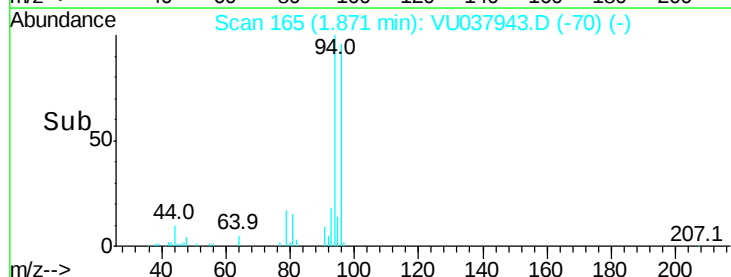
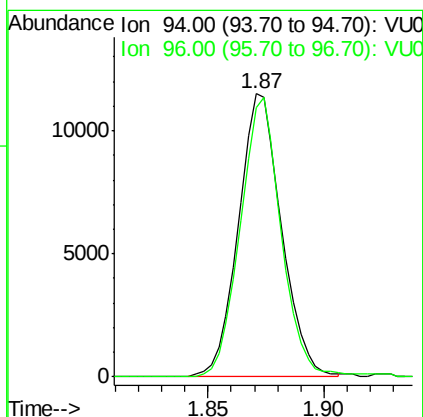
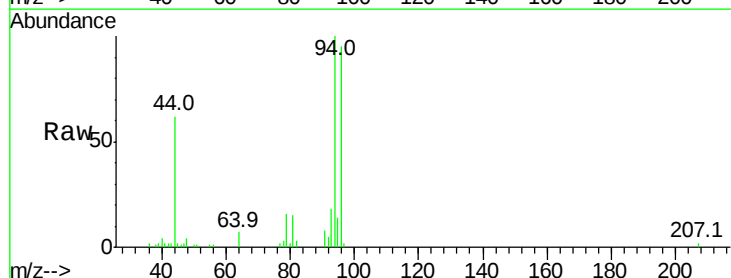
Acq: 30 Apr 2020 09:54

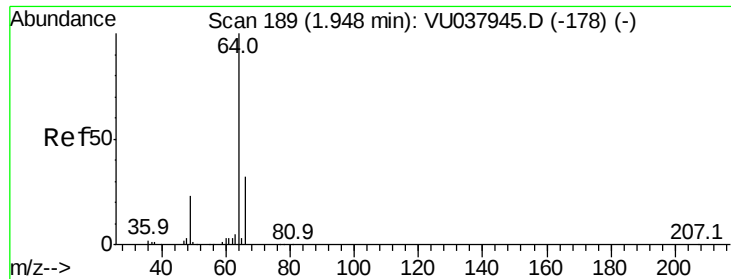
Tgt Ion: 94 Resp: 14811

Ion Ratio Lower Upper

94 100

96 95.3 65.9 122.5

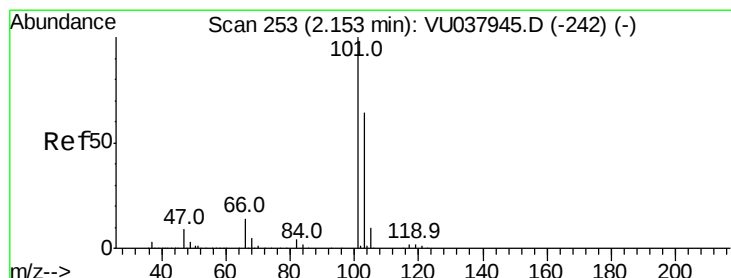
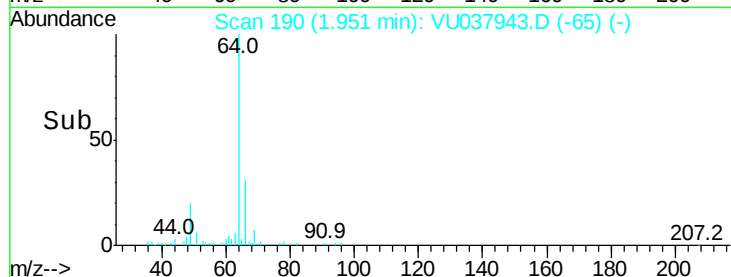
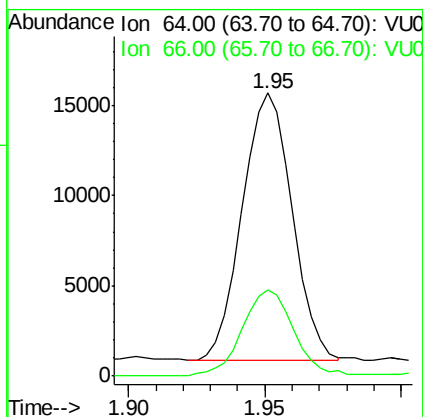
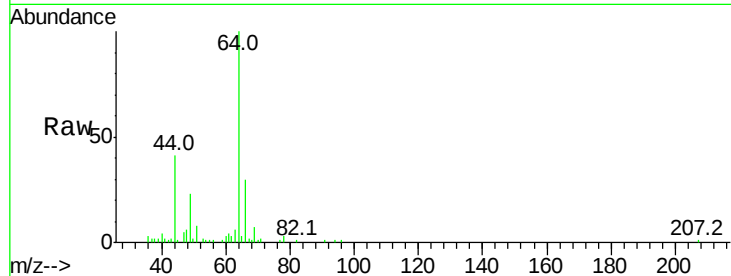




#8
Chloroethane
Concen: 5.967 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

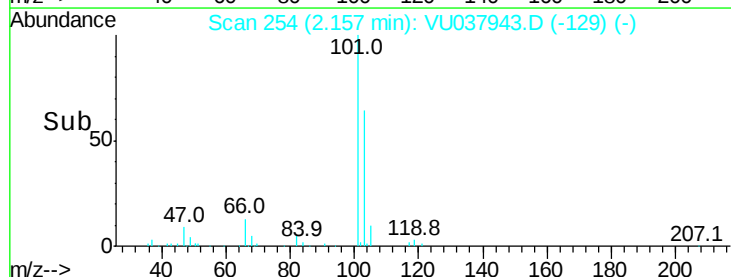
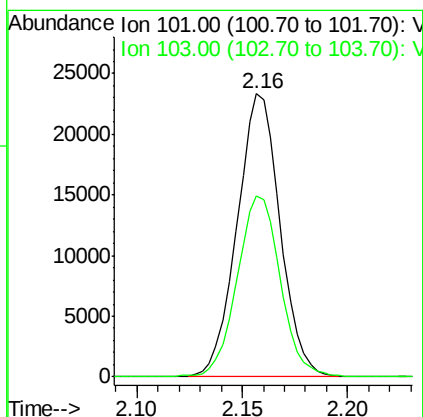
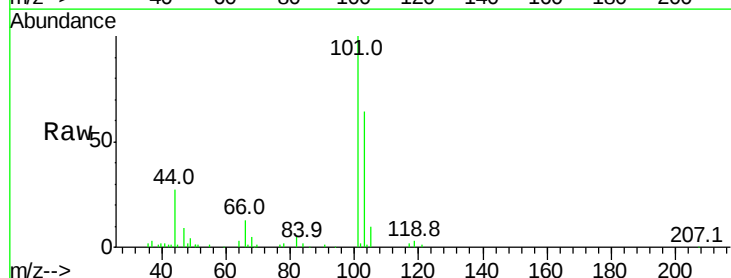
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

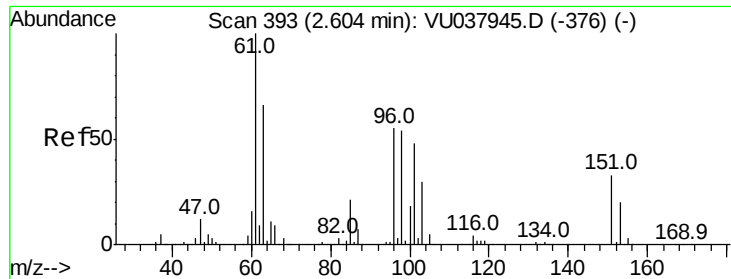
Tgt Ion: 64 Resp: 18754
Ion Ratio Lower Upper
64 100
66 30.3 22.5 41.7



#9
Trichlorofluoromethane
Concen: 5.544 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Tgt Ion: 101 Resp: 32976
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0





#10

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

Concen: 5.845 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

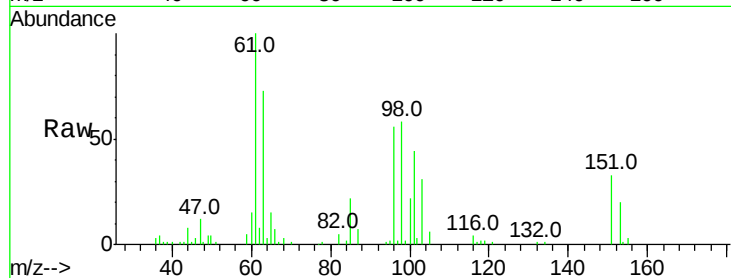
Tgt Ion: 101 Resp: 20260

Ion Ratio Lower Upper

101 100

85 45.0 34.7 52.1

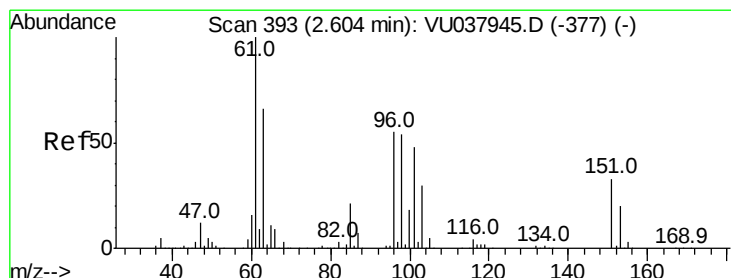
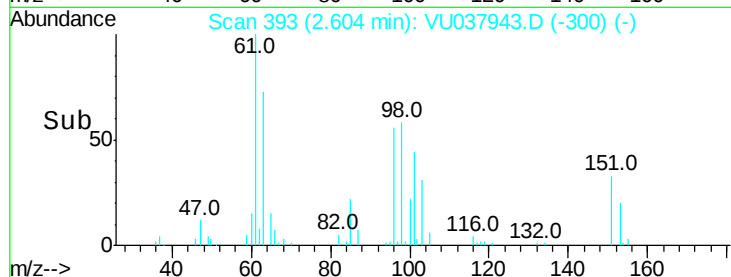
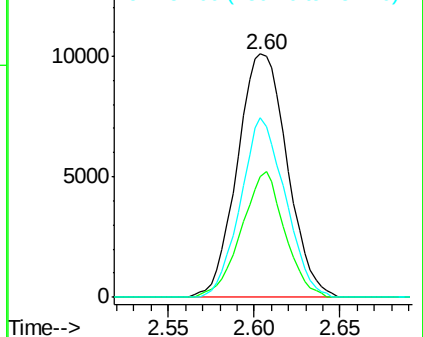
151 66.2 53.4 80.2



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: 5.885 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

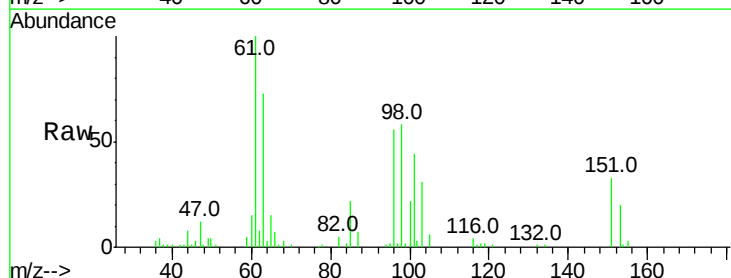
Tgt Ion: 96 Resp: 20146

Ion Ratio Lower Upper

96 100

61 178.5 126.1 234.3

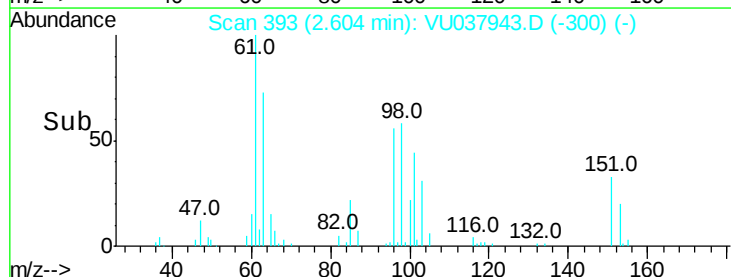
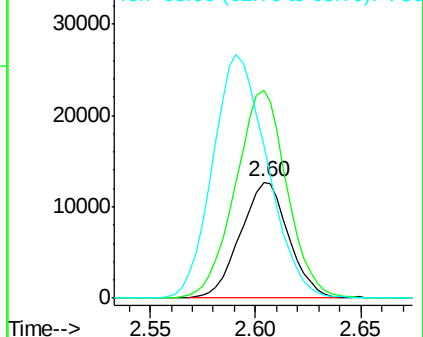
63 131.0 83.4 154.8

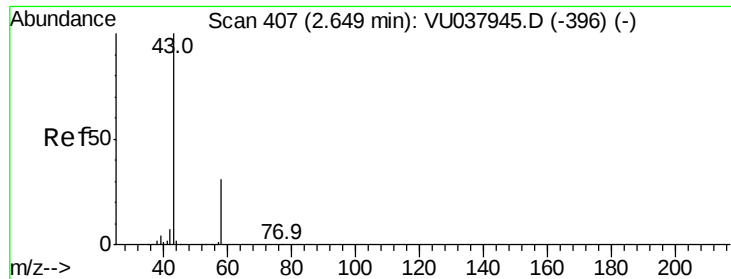


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.087 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

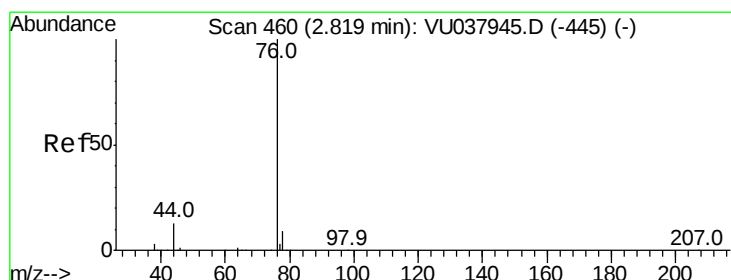
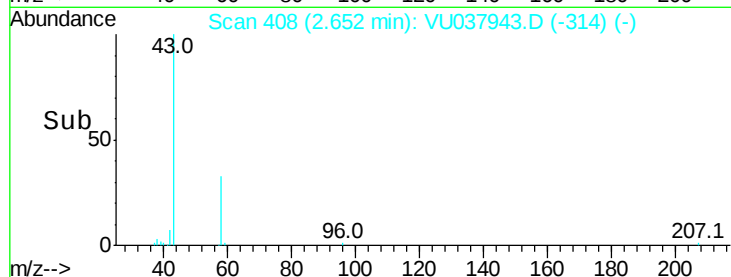
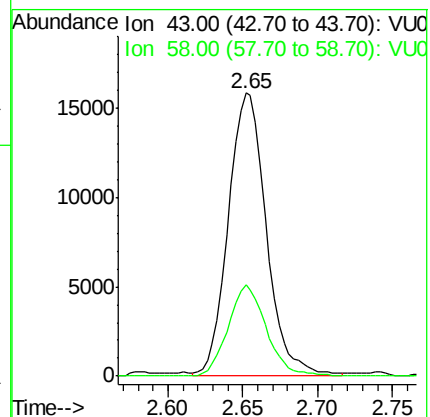
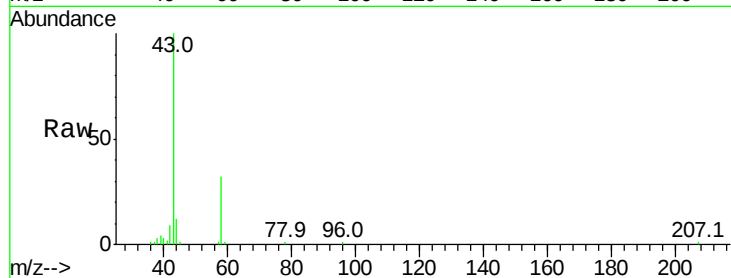
VSTD00534

Tgt Ion: 43 Resp: 28150

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.4



#14

Carbon disulfide

Concen: 5.501 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037943.D

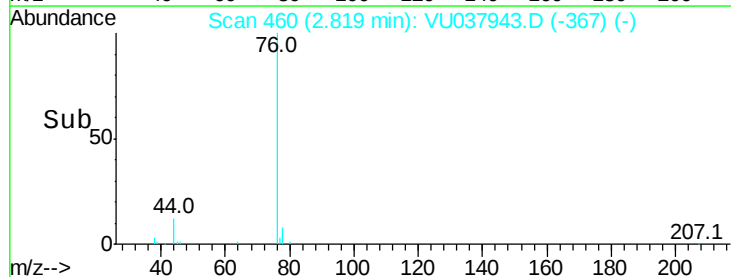
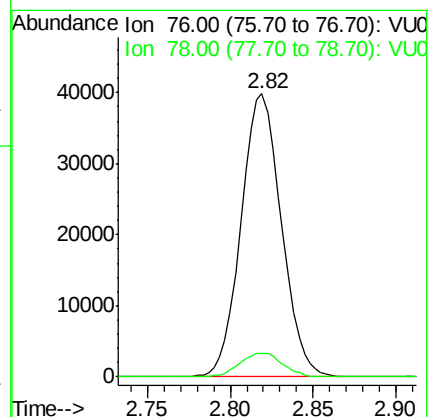
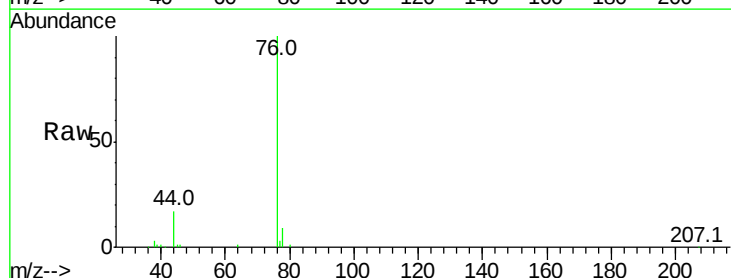
Acq: 30 Apr 2020 09:54

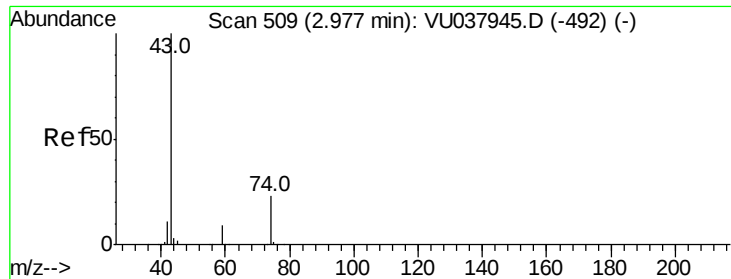
Tgt Ion: 76 Resp: 67352

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4

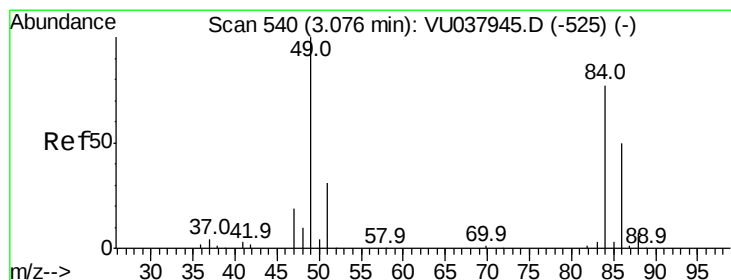
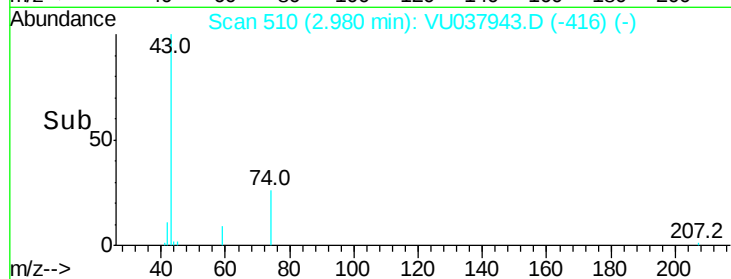
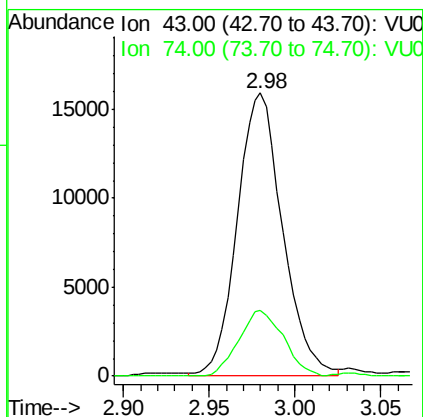
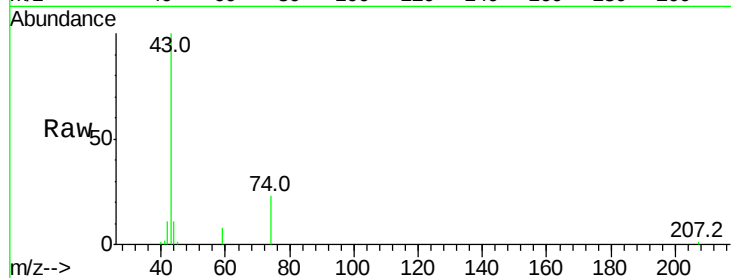




#15
Methyl Acetate
Concen: 5.191 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

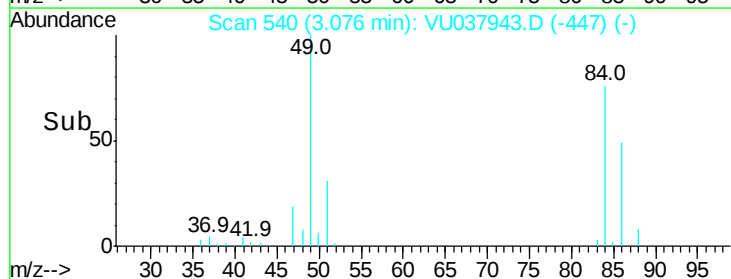
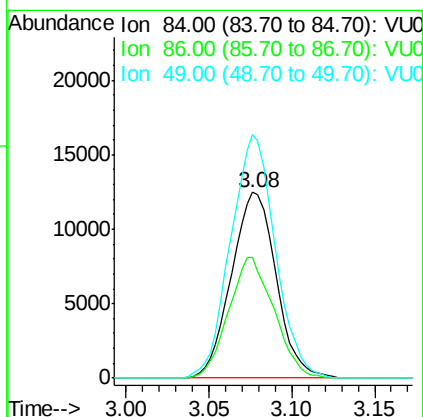
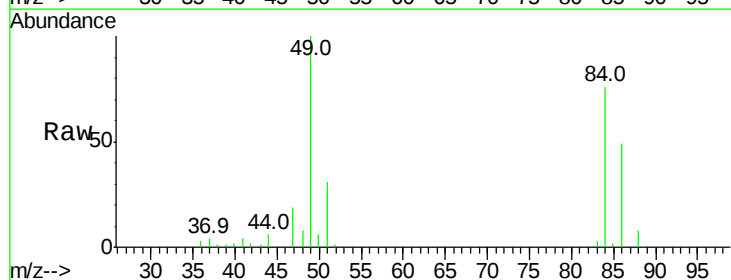
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

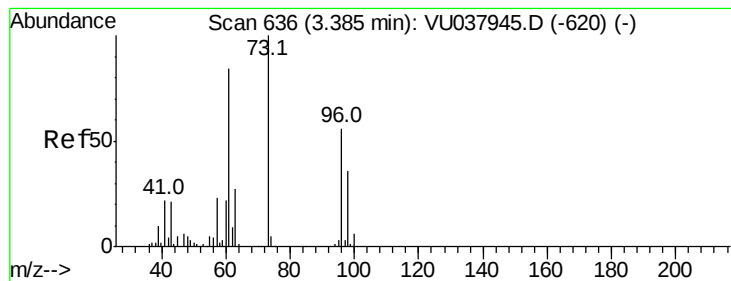
Tgt Ion: 43 Resp: 29220
Ion Ratio Lower Upper
43 100
74 22.8 18.6 27.8



#16
Methylene chloride
Concen: 5.761 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Tgt Ion: 84 Resp: 23434
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.9
49 131.0 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 5.711 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

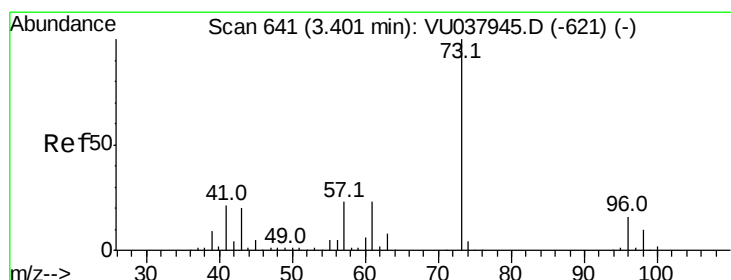
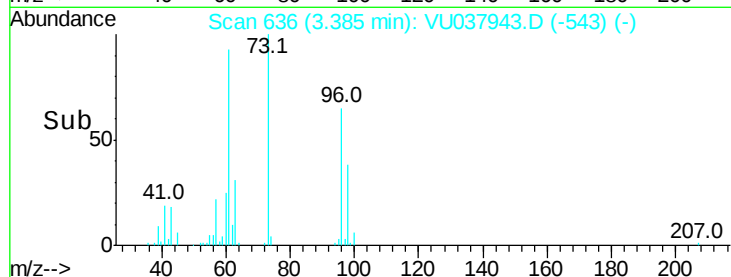
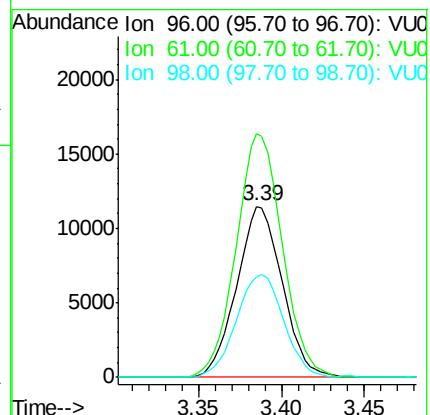
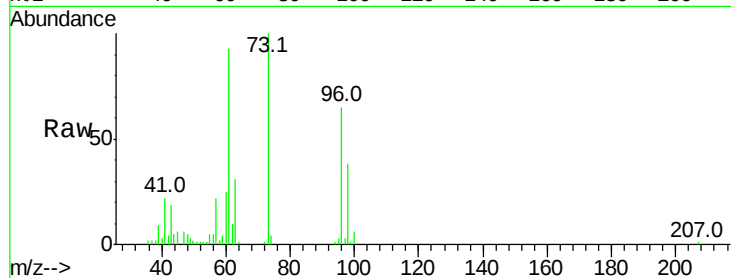
Tgt Ion: 96 Resp: 21861

Ion Ratio Lower Upper

96 100

61 142.6 104.9 194.9

98 58.9 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 5.295 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

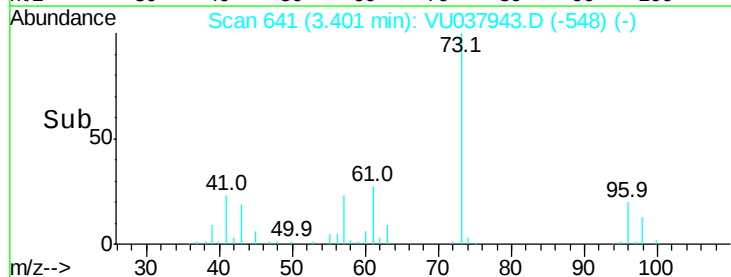
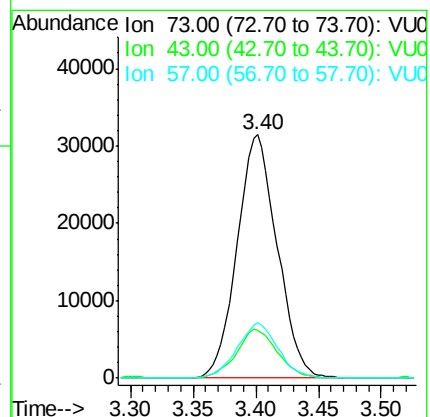
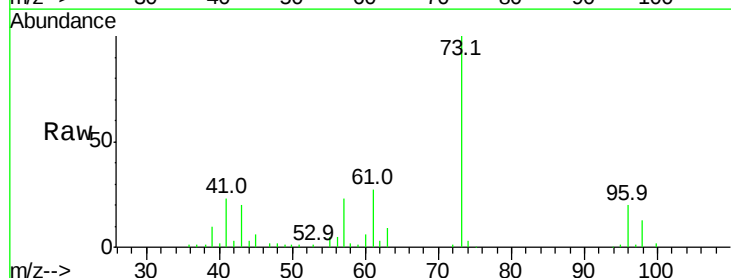
Tgt Ion: 73 Resp: 69818

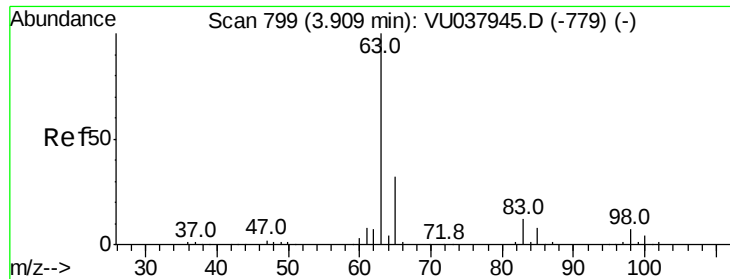
Ion Ratio Lower Upper

73 100

43 20.7 16.3 24.5

57 22.9 18.4 27.6

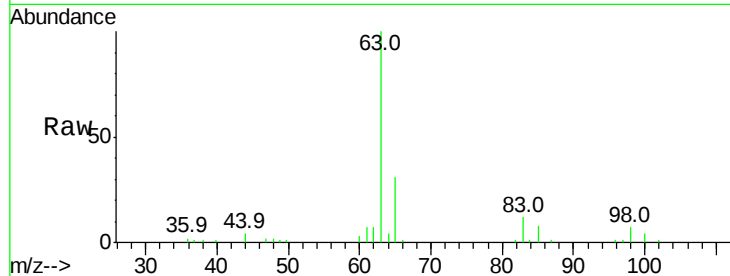




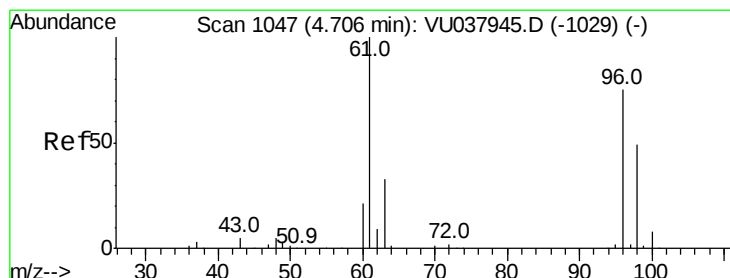
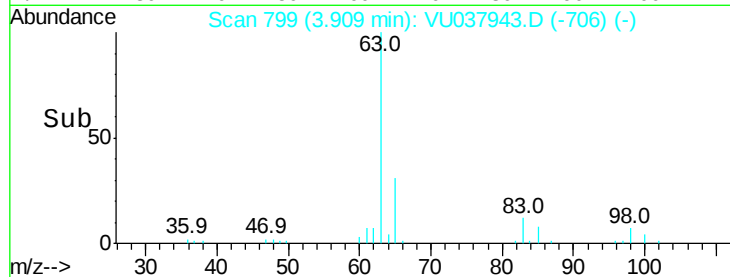
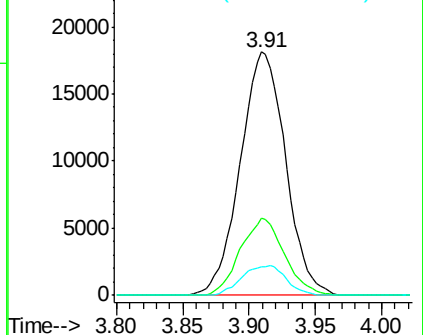
#19
 1,1-Dichloroethane
 Concen: 5.601 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 63 Resp: 43215
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.5 41.7
 83 11.6 8.5 15.7

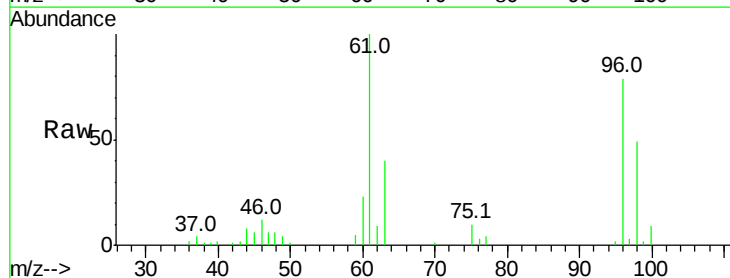


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

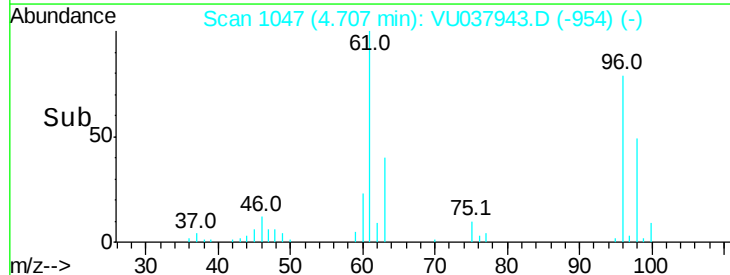
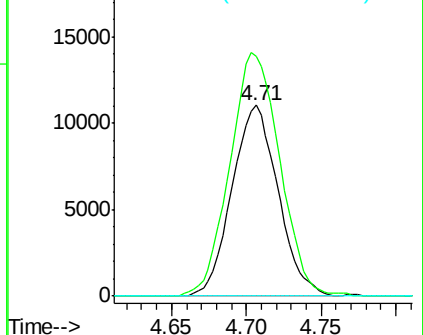


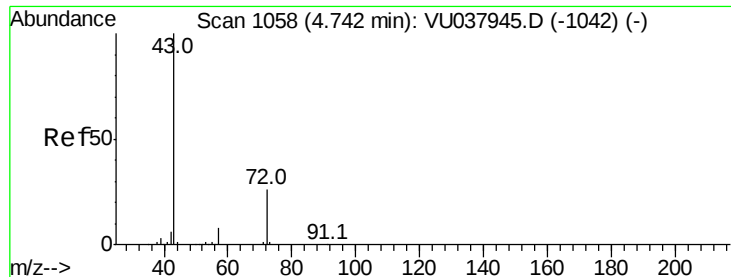
#20
 cis-1,2-Dichloroethene
 Concen: 5.644 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion: 96 Resp: 23653
 Ion Ratio Lower Upper
 96 100
 61 126.1 93.9 174.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 10.539 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

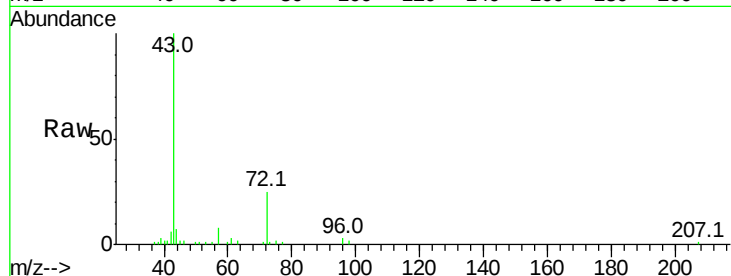
VSTD00534

Tgt Ion: 43 Resp: 42982

Ion Ratio Lower Upper

43 100

72 25.8 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU037945.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU037945.D (-1042) (-)

4.75

20000

15000

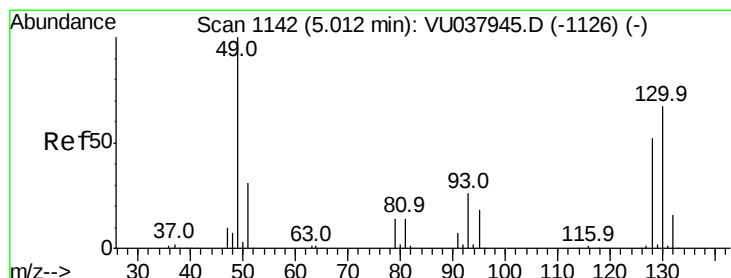
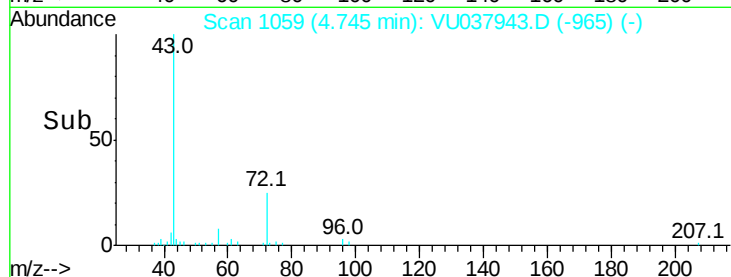
10000

5000

0

Time-->

4.65 4.70 4.75 4.80 4.85



#23

Bromochloromethane

Concen: 5.399 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Tgt Ion: 128 Resp: 10934

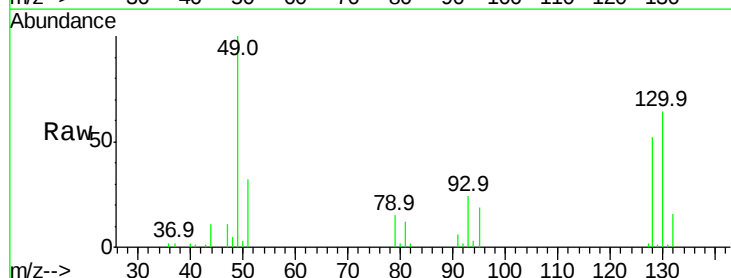
Ion Ratio Lower Upper

128 100

49 192.2 136.2 252.9

130 122.9 91.3 169.5

51 61.3 49.0 73.6



Abundance Ion 128.00 (127.70 to 128.70): VU037945.D (-1126) (-)

Ion 49.00 (48.70 to 49.70): VU037945.D (-1126) (-)

Ion 130.00 (129.70 to 130.70): VU037945.D (-1126) (-)

Ion 51.00 (50.70 to 51.70): VU037945.D (-1126) (-)

5.02

15000

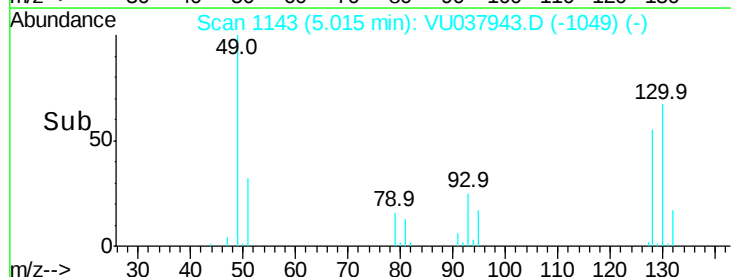
10000

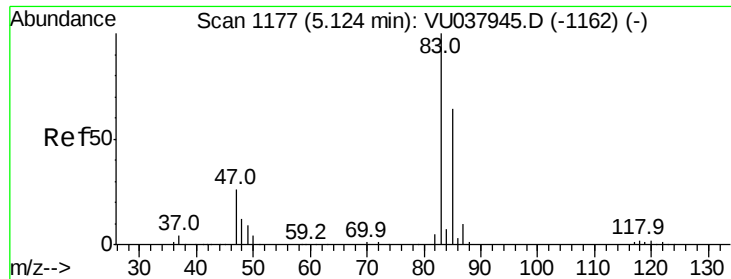
5000

0

Time-->

4.95 5.00 5.05

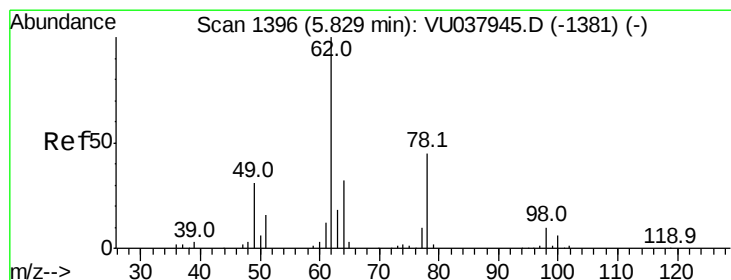
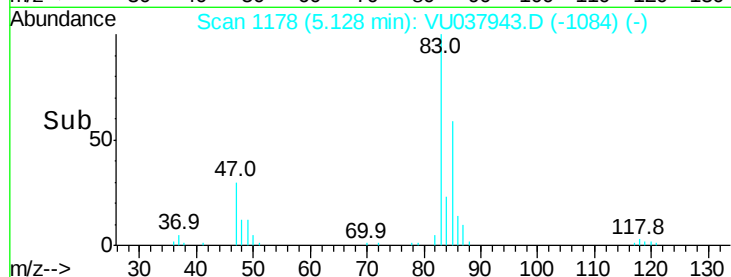
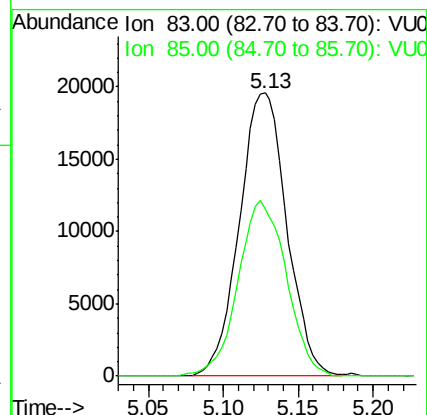
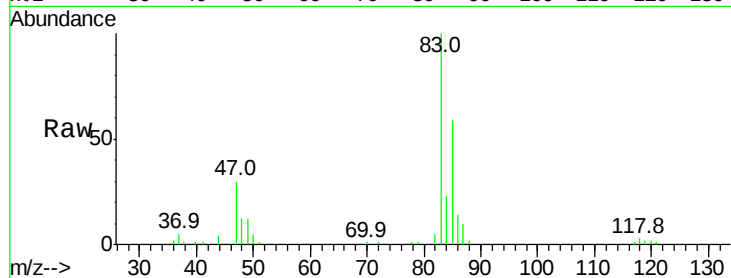




#25
Chloroform
Concen: 5.989 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

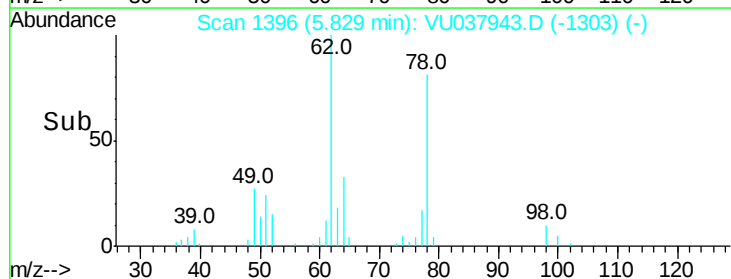
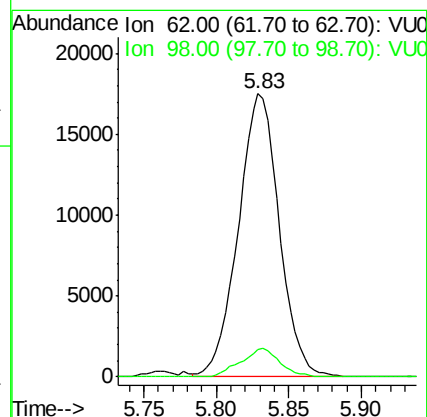
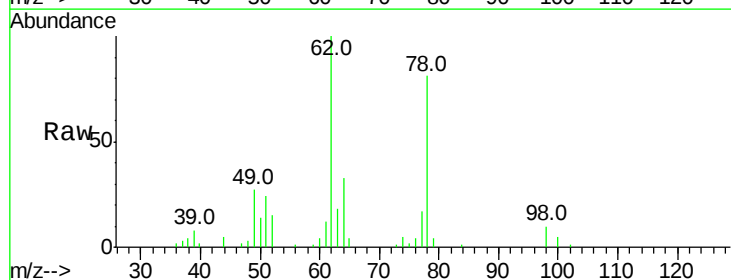
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

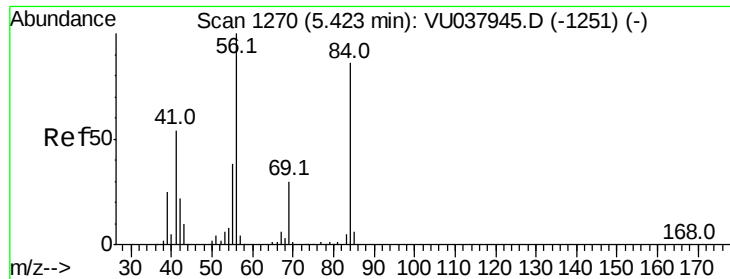
Tgt Ion: 83 Resp: 43234
Ion Ratio Lower Upper
83 100
85 58.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.545 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Tgt Ion: 62 Resp: 34287
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4

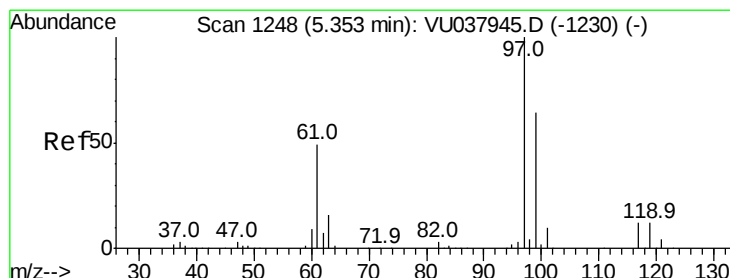
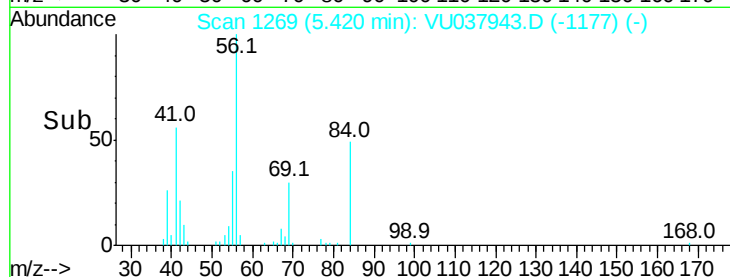
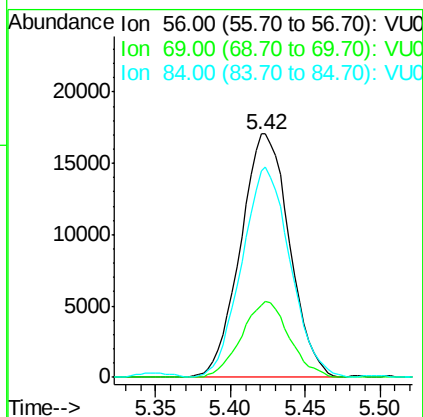
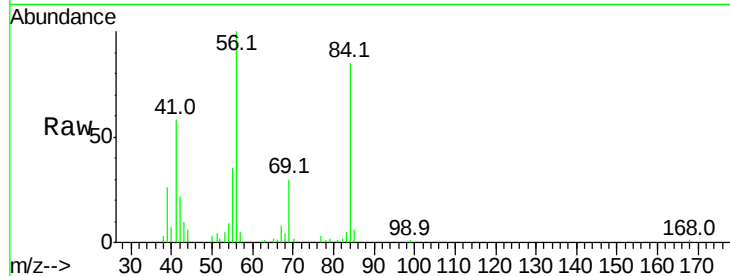




#29
Cyclohexane
Concen: 5.113 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

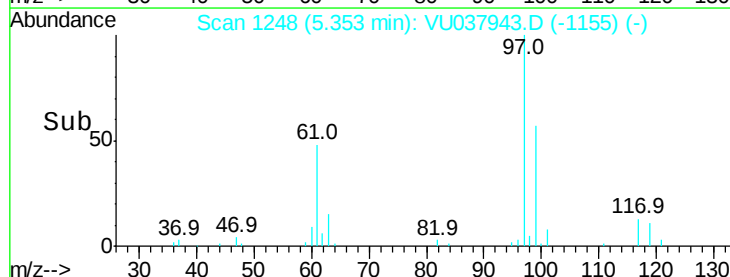
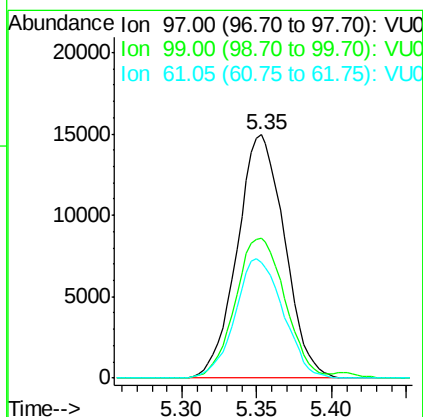
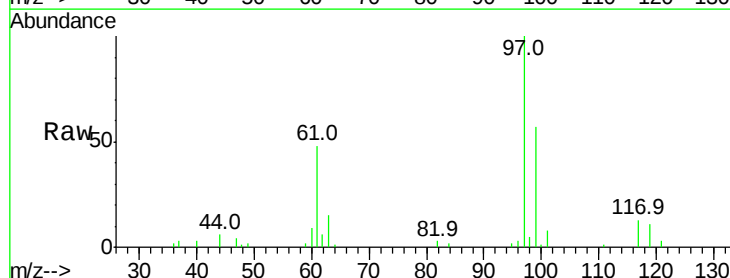
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

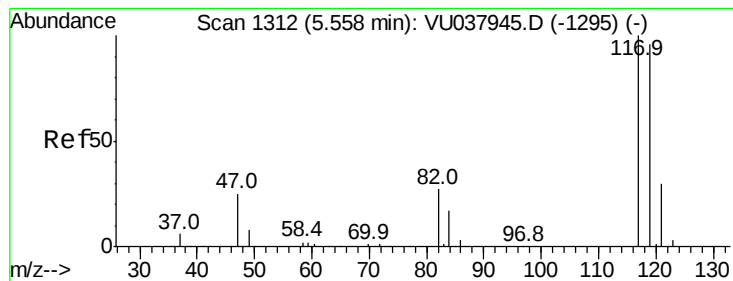
Tgt Ion: 56 Resp: 38861
Ion Ratio Lower Upper
56 100
69 30.2 23.8 35.8
84 85.3 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 5.442 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Tgt Ion: 97 Resp: 33017
Ion Ratio Lower Upper
97 100
99 60.2 50.5 75.7
61 49.6 38.8 58.2





#31

Carbon tetrachloride

Concen: 5.324 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

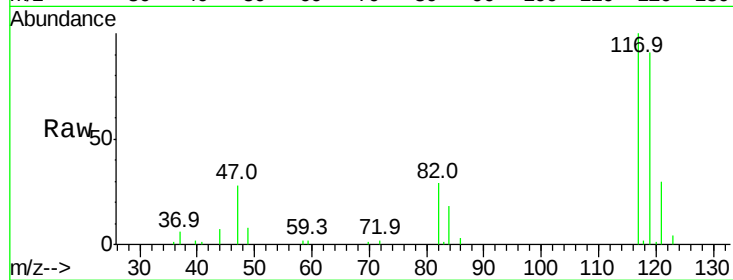
VSTD00534

Tgt Ion:117 Resp: 26111

Ion Ratio Lower Upper

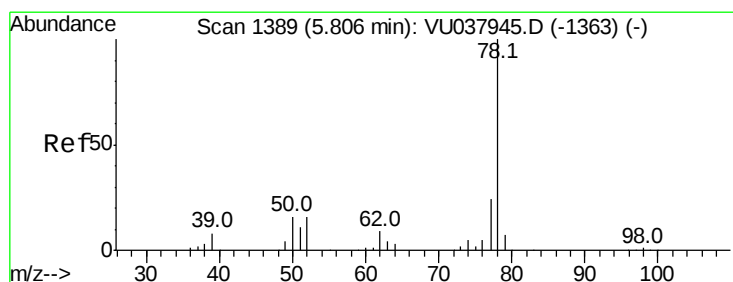
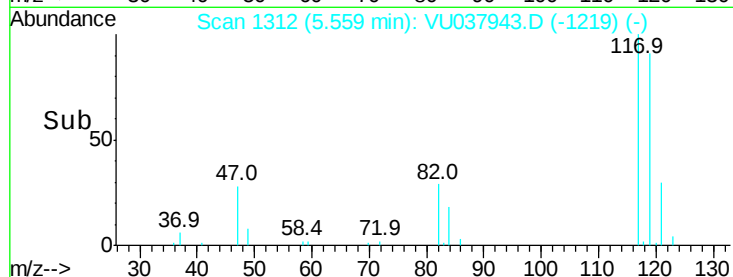
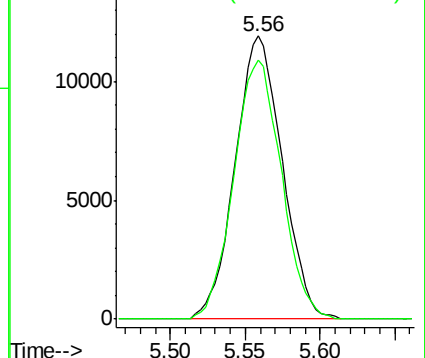
117 100

119 92.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.689 ug/L

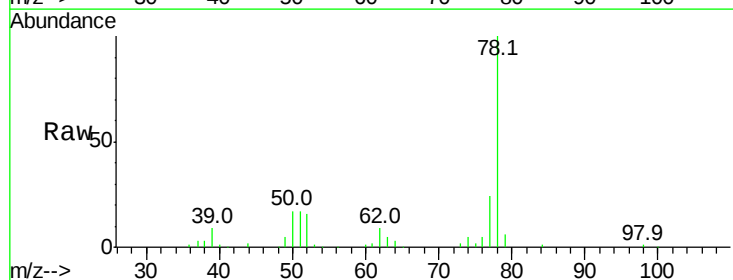
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

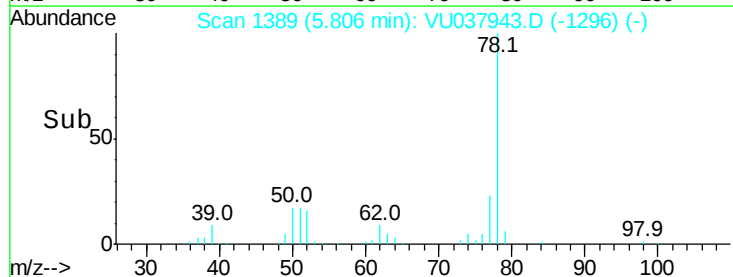
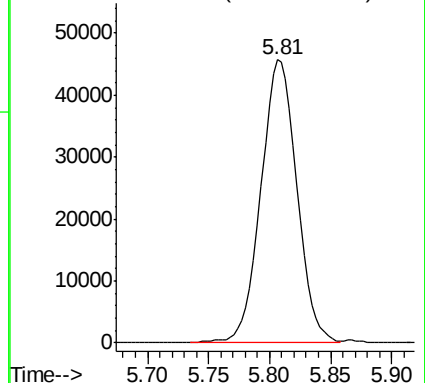
Lab File: VU037943.D

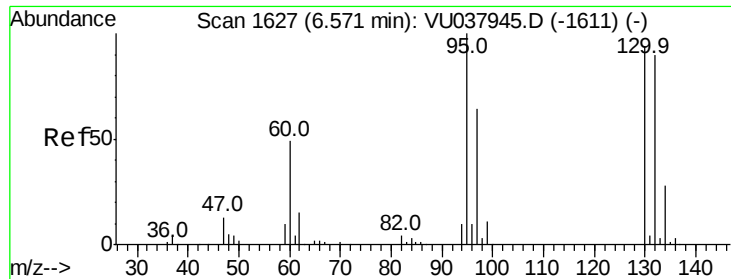
Acq: 30 Apr 2020 09:54

Tgt Ion: 78 Resp: 93796



Abundance Ion 78.00 (77.70 to 78.70): VU0

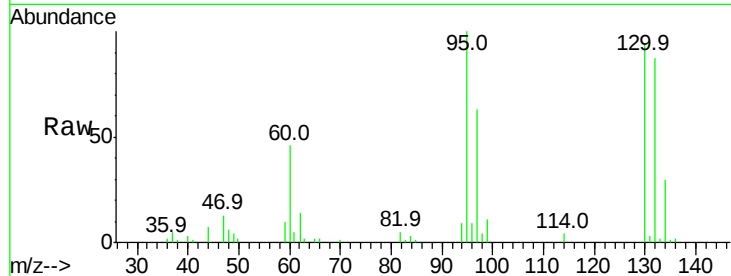




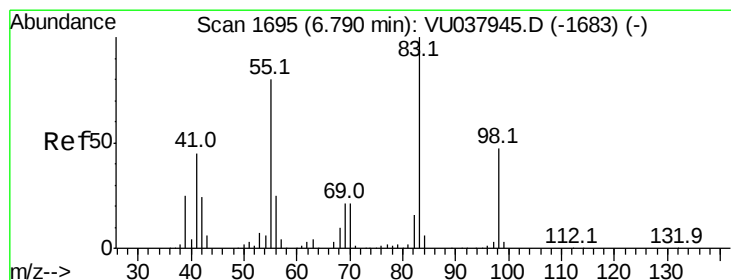
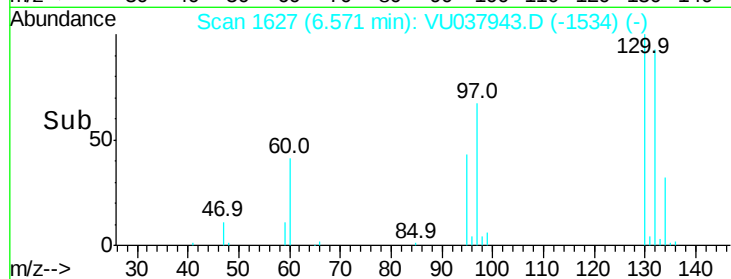
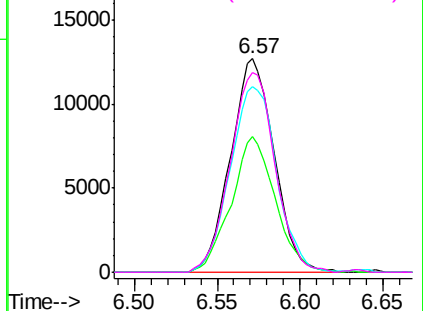
#34
 Trichloroethene
 Concen: 5.725 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion:	95	Resp:	23152
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.9	83.5
132	86.9	63.2	117.4
130	93.8	65.9	122.3

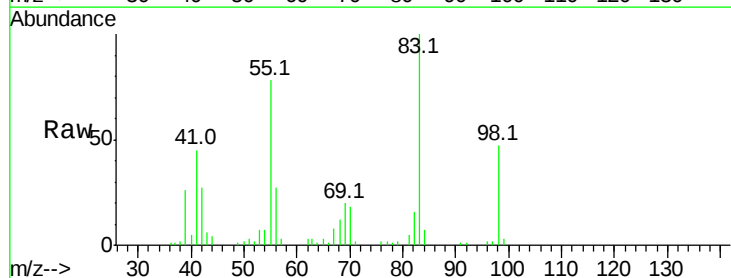


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

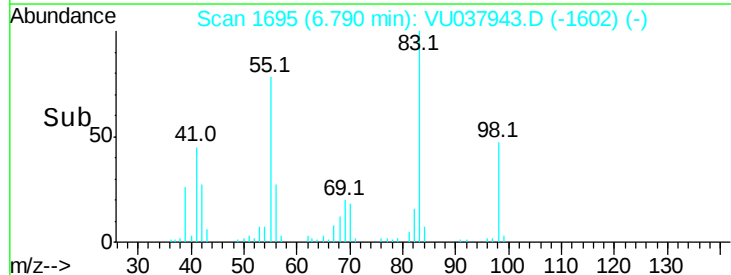
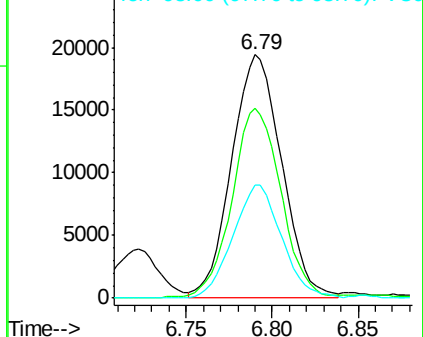


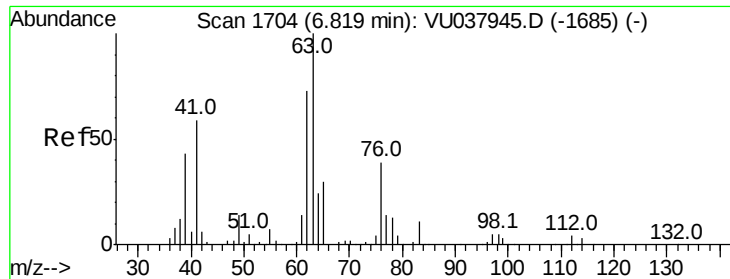
#35
 Methylcyclohexane
 Concen: 5.569 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion:	83	Resp:	39437
Ion	Ratio	Lower	Upper
83	100		
55	76.1	64.2	96.4
98	45.1	38.1	57.1



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

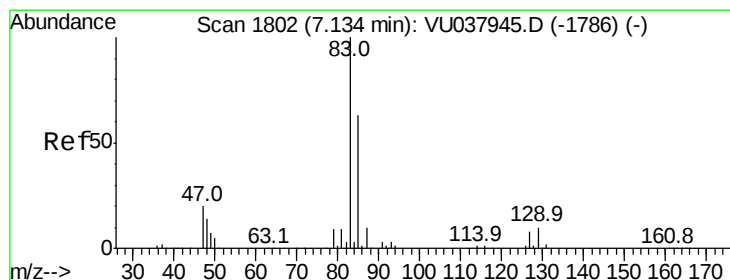
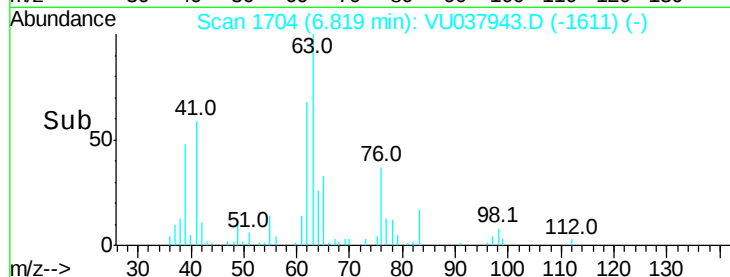
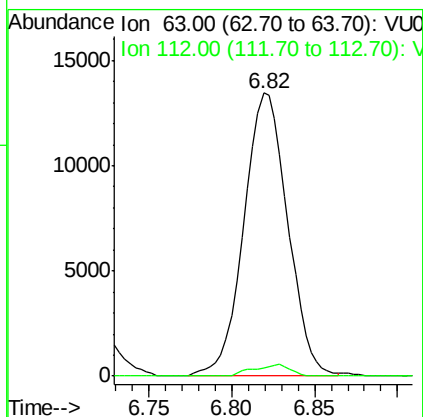
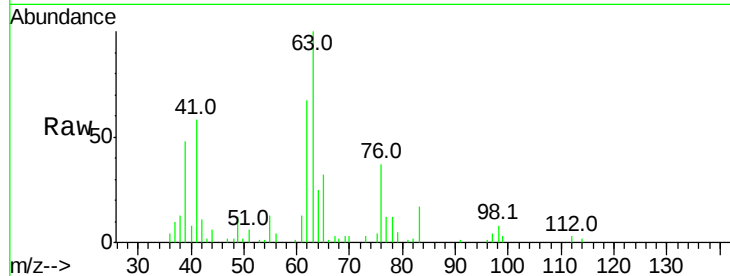




#37
 1,2-Dichloropropane
 Concen: 5.497 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

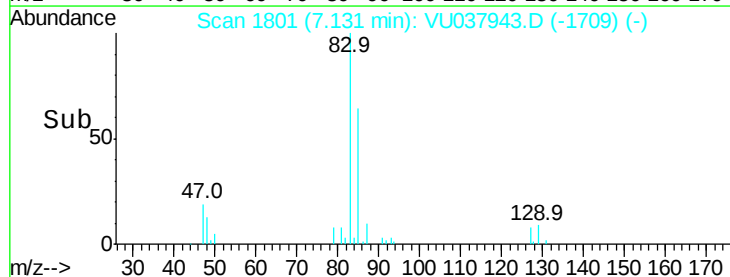
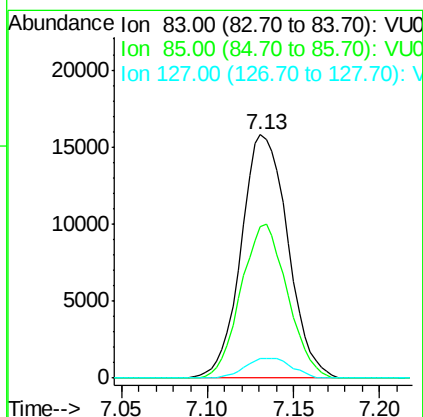
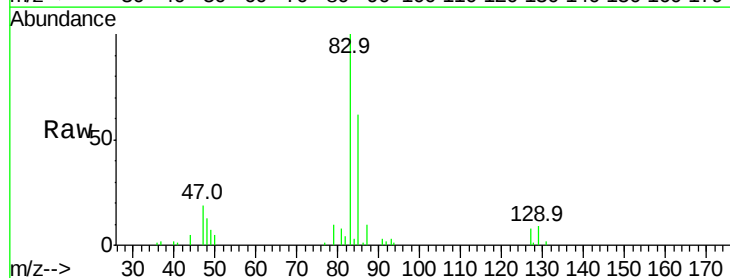
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

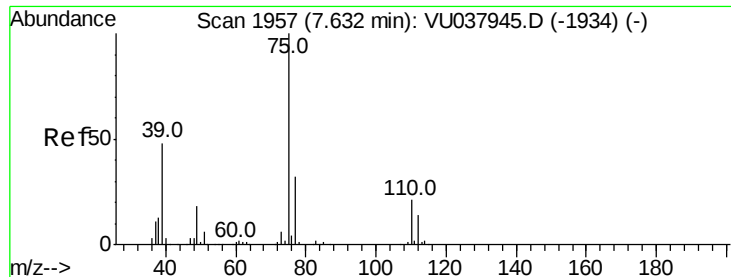
Tgt Ion: 63 Resp: 24753
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.458 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion: 83 Resp: 29695
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.8 81.3
 127 7.9 6.1 9.1

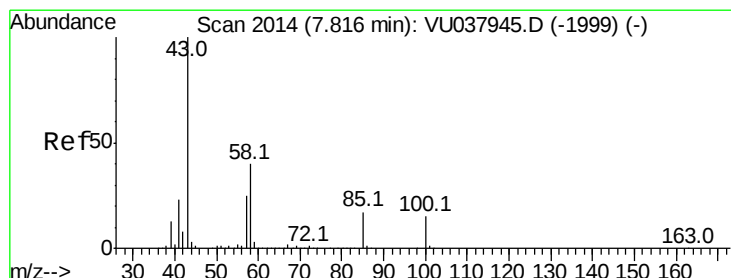
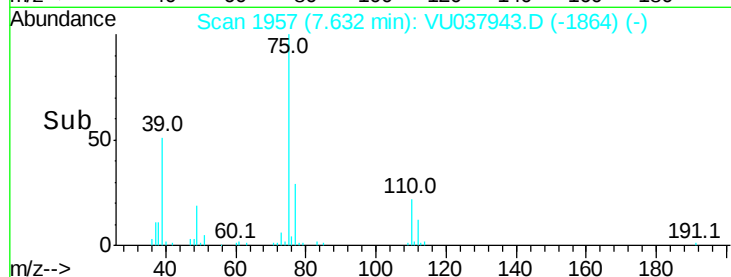
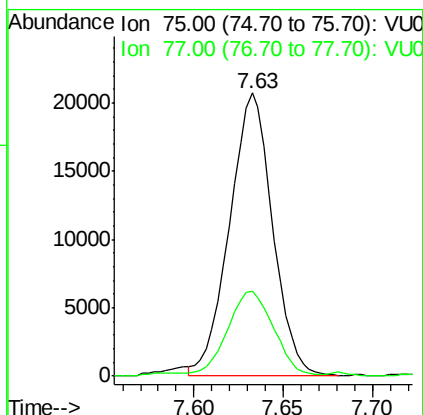
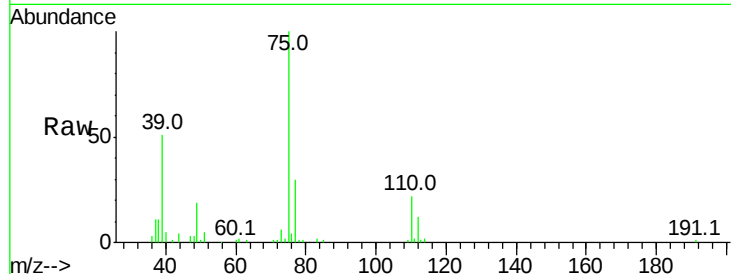




#39
 cis-1,3-Dichloropropene
 Concen: 4.839 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

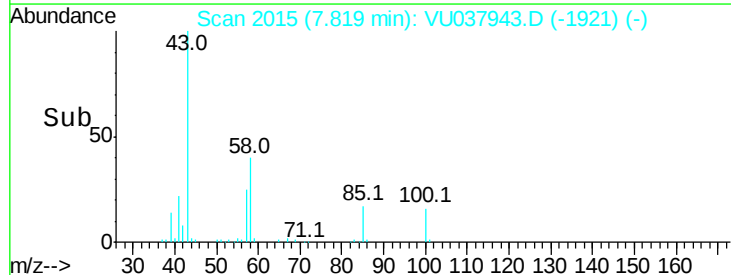
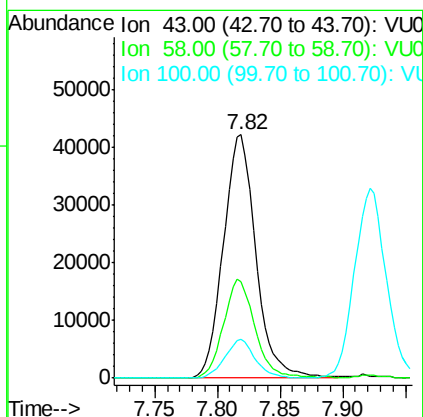
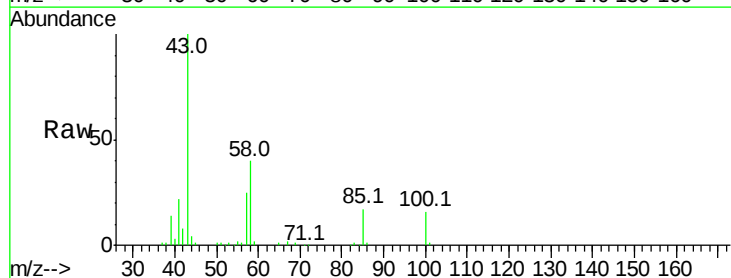
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

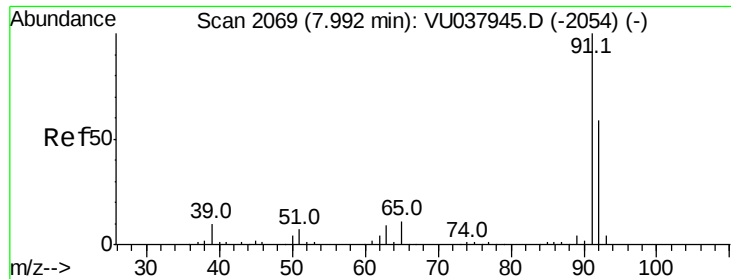
Tgt Ion: 75 Resp: 34893
 Ion Ratio Lower Upper
 75 100
 77 29.9 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 9.683 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion: 43 Resp: 75835
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.8 47.8
 100 14.7 12.2 18.2





#42

Toluene

Concen: 5.565 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

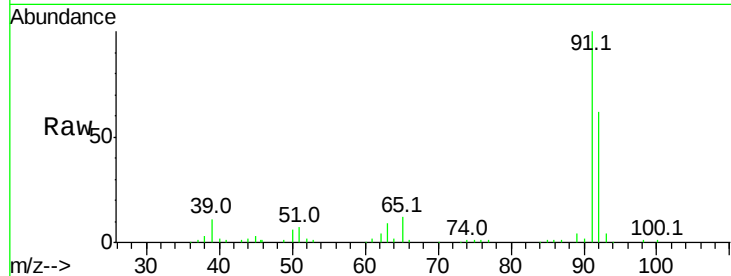
VSTD00534

Tgt Ion: 91 Resp: 96203

Ion Ratio Lower Upper

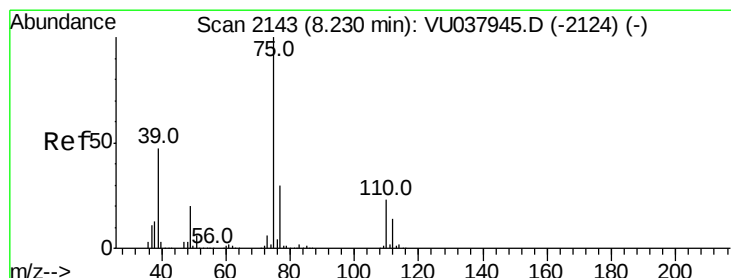
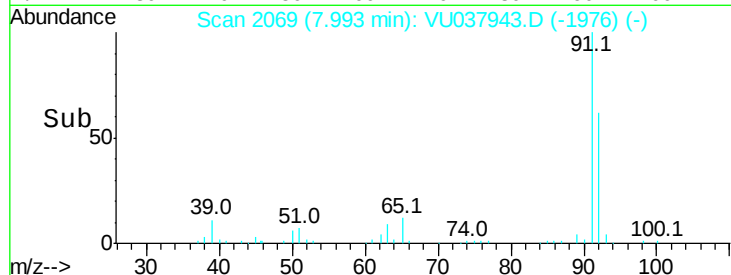
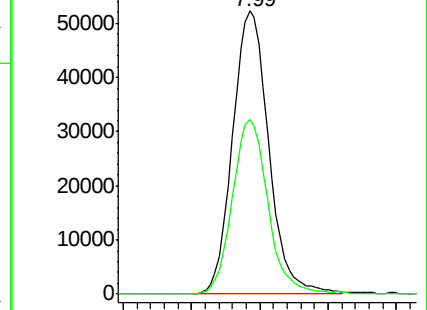
91 100

92 61.8 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU037943.D (-1976) (-)

Ion 92.00 (91.70 to 92.70): VU037943.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.723 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU037943.D

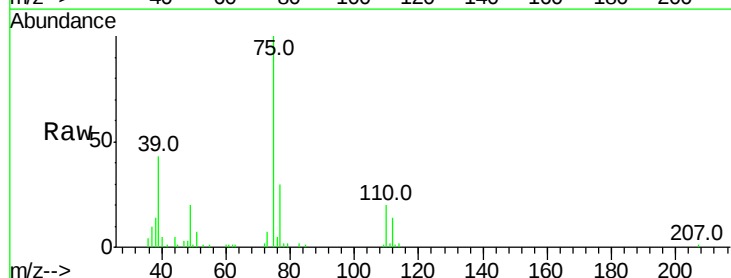
Acq: 30 Apr 2020 09:54

Tgt Ion: 75 Resp: 32873

Ion Ratio Lower Upper

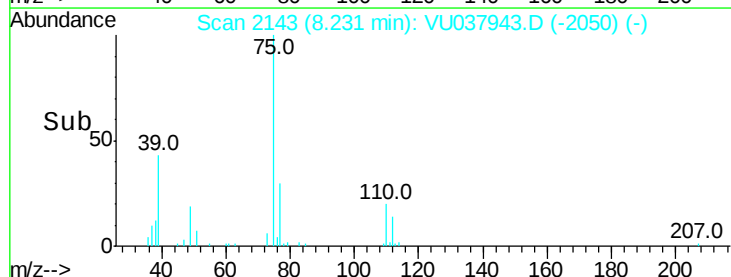
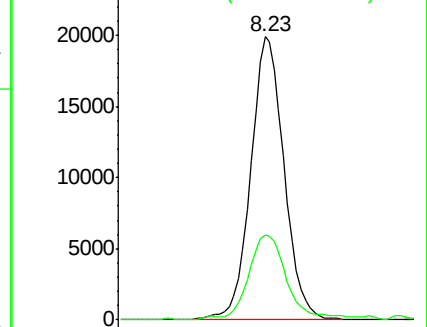
75 100

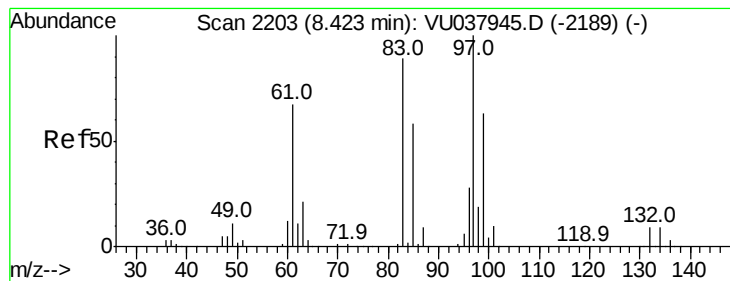
77 30.2 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU037943.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU037943.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 5.636 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 97 Resp: 22142

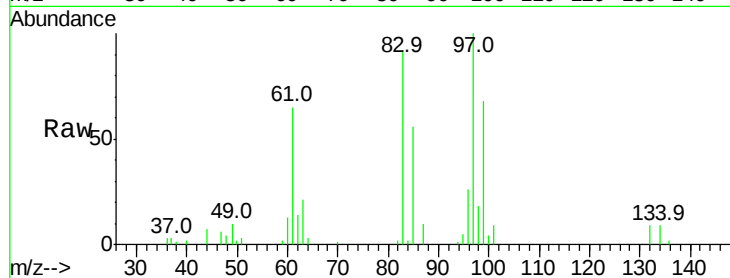
Ion Ratio Lower Upper

97 100

99 68.4 44.4 82.4

83 92.4 61.9 115.1

85 55.8 40.5 75.1

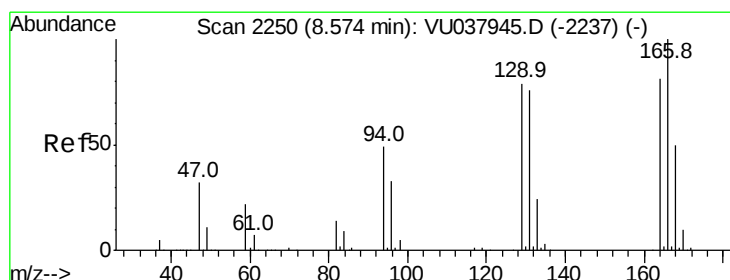
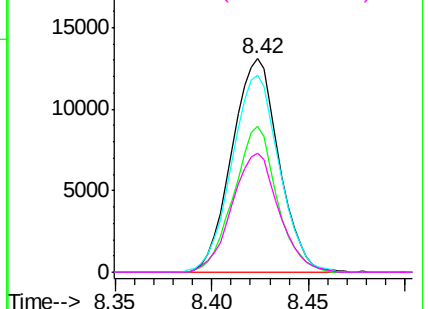
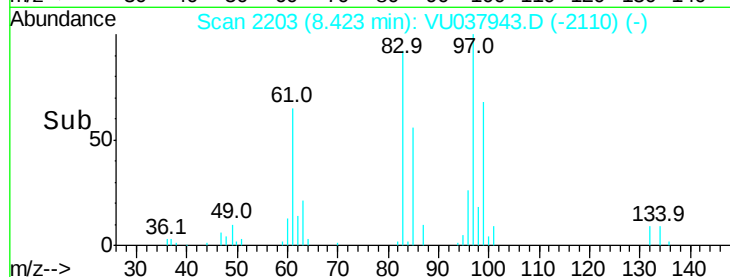


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 6.496 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Tgt Ion: 164 Resp: 19202

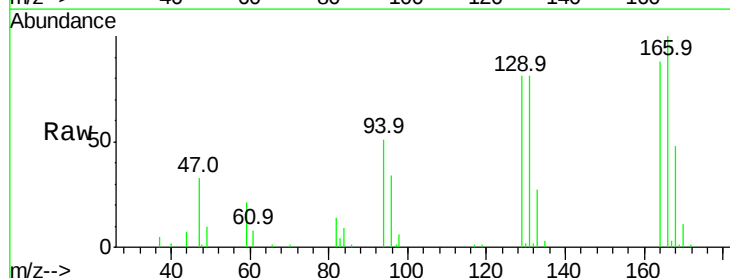
Ion Ratio Lower Upper

164 100

129 91.4 68.4 127.0

131 91.3 65.7 122.1

166 113.4 86.7 161.1

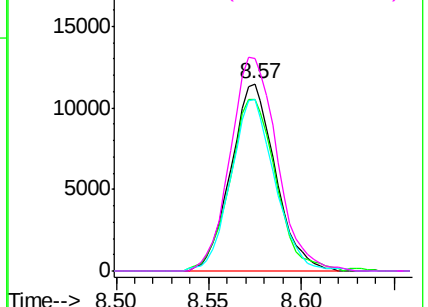
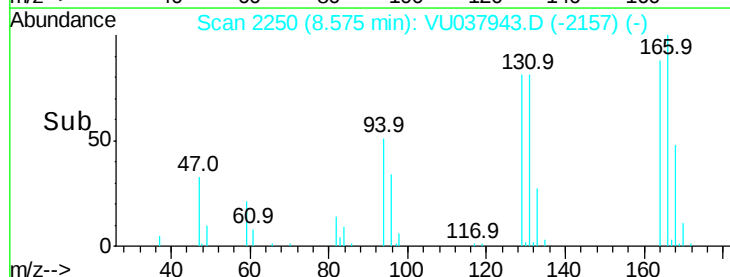


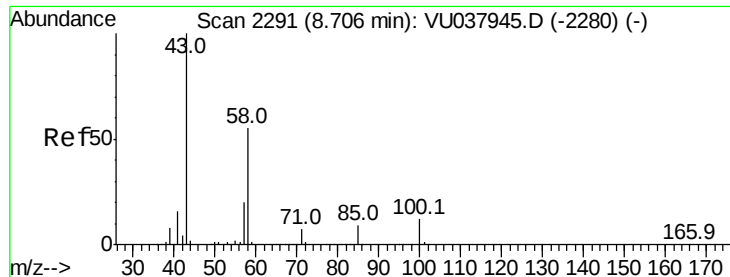
Abundance Ion 164.00 (163.70 to 164.70): V

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

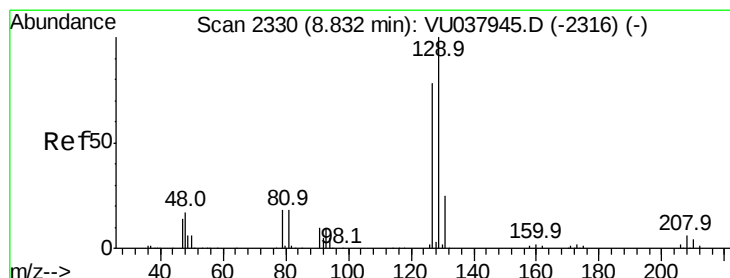
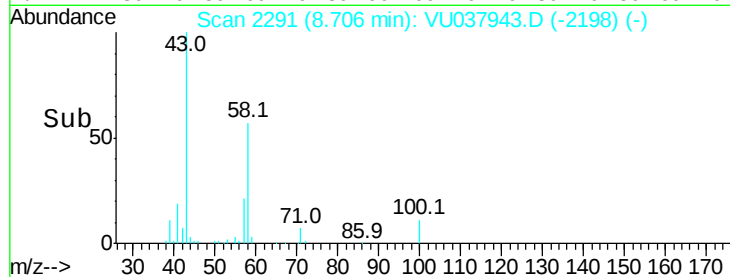
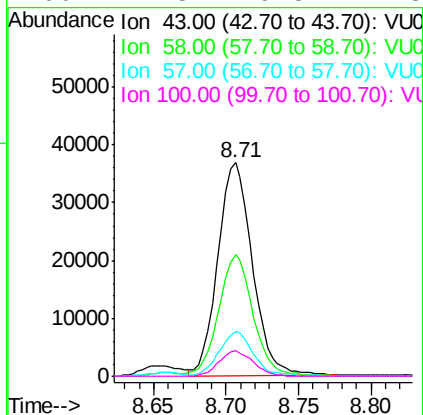
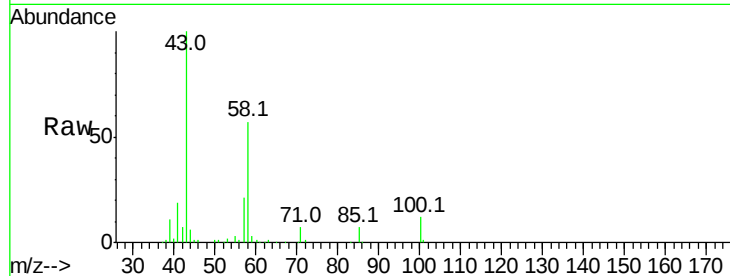




#48
2-Hexanone
Concen: 9.850 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

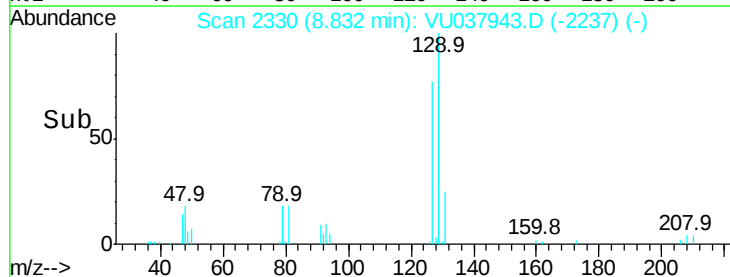
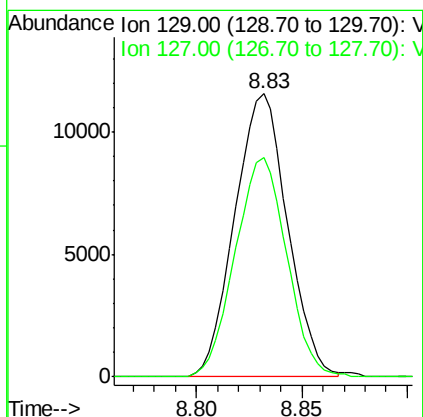
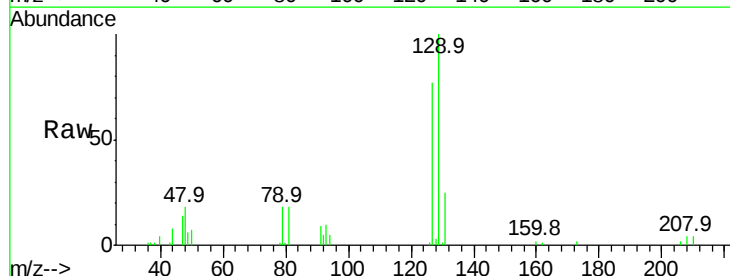
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

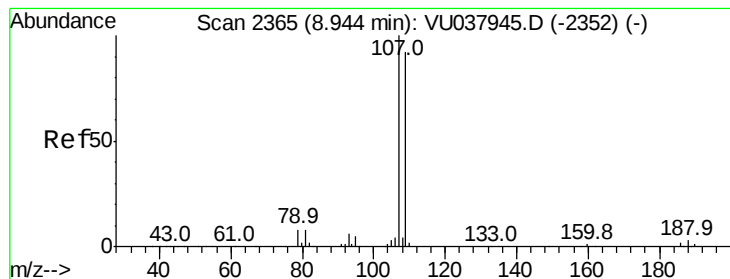
Tgt Ion:	43	Resp:	60990
Ion	Ratio	Lower	Upper
43	100		
58	56.5	46.4	69.6
57	20.7	16.4	24.6
100	11.8	9.5	14.3



#49
Dibromochloromethane
Concen: 4.891 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Tgt Ion:	129	Resp:	20065
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.7	101.5

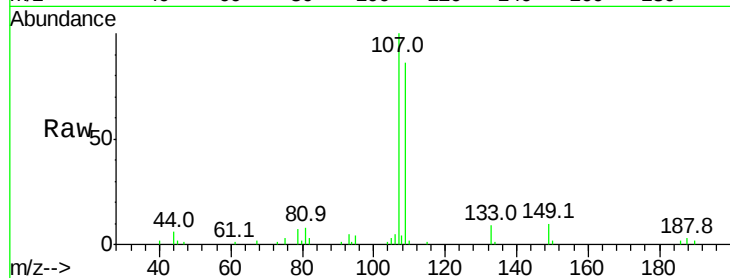




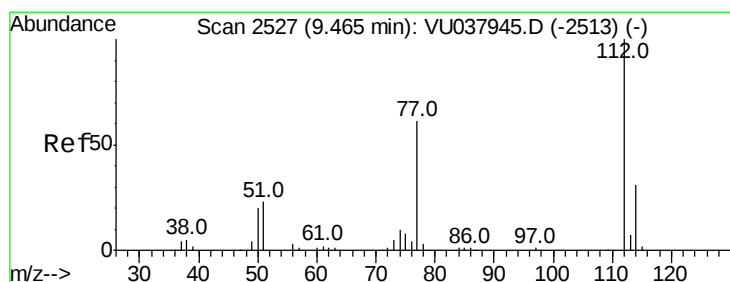
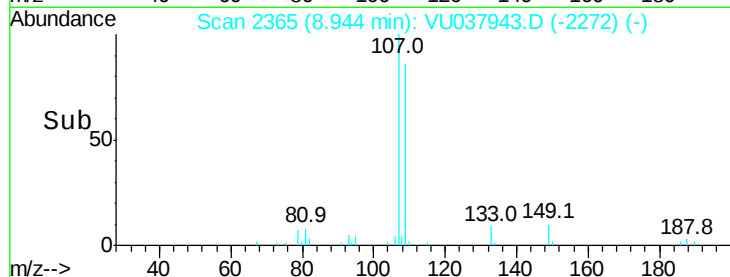
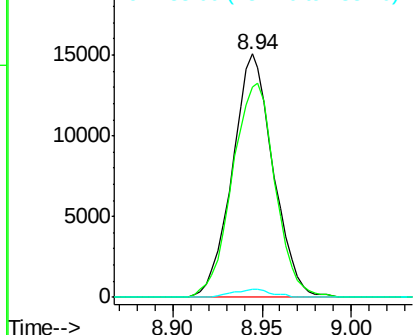
#50
 1,2-Dibromoethane
 Concen: 5.654 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion:107 Resp: 24062
 Ion Ratio Lower Upper
 107 100
 109 86.3 64.1 119.1
 188 3.1 2.2 3.2

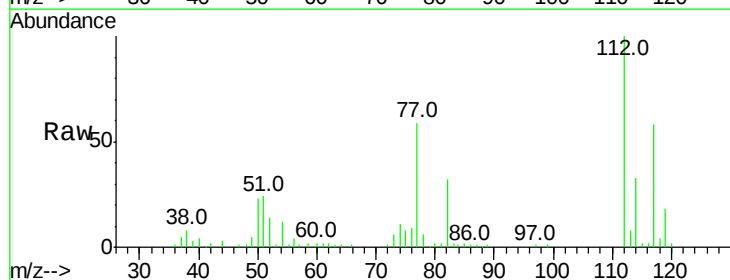


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

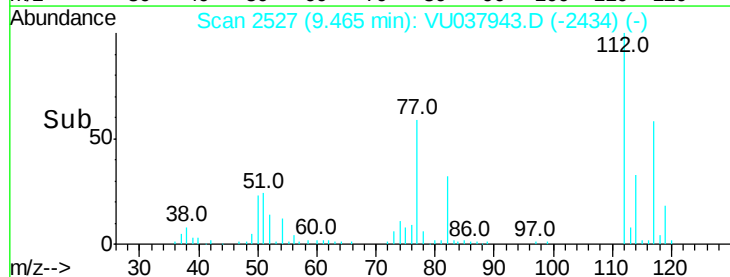
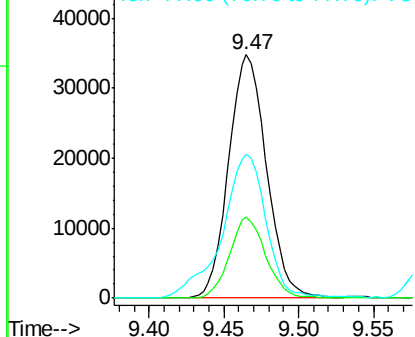


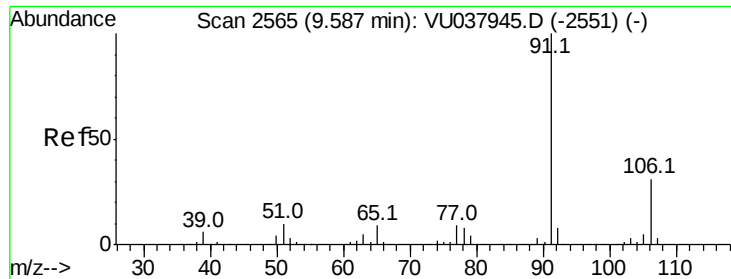
#51
 Chlorobenzene
 Concen: 5.710 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion:112 Resp: 61399
 Ion Ratio Lower Upper
 112 100
 114 33.4 21.6 40.2
 77 59.0 49.3 73.9



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 5.377 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

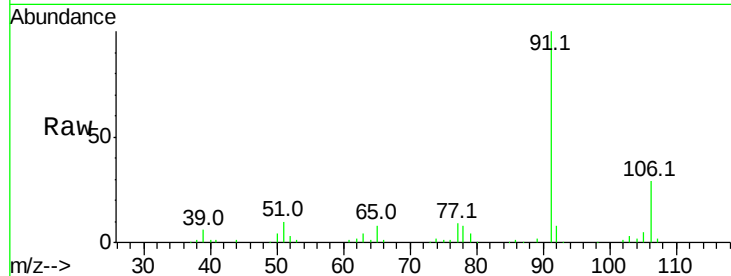
VSTD00534

Tgt Ion: 91 Resp: 104086

Ion Ratio Lower Upper

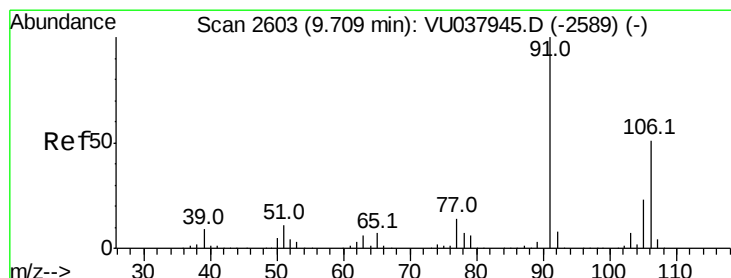
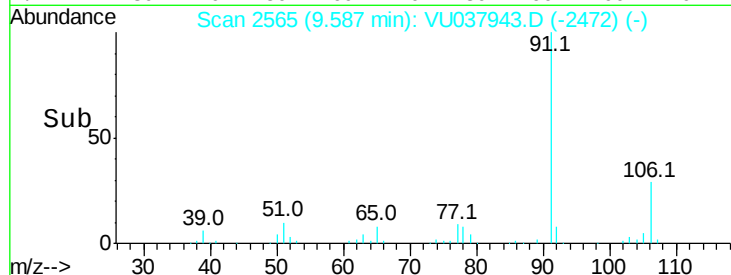
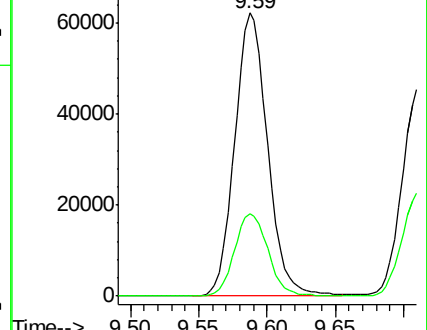
91 100

106 29.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037943.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037943.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.410 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU037943.D

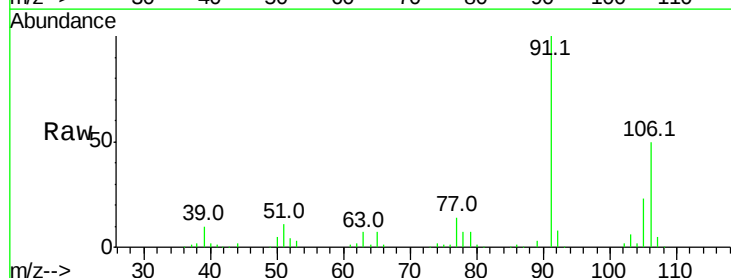
Acq: 30 Apr 2020 09:54

Tgt Ion: 106 Resp: 39434

Ion Ratio Lower Upper

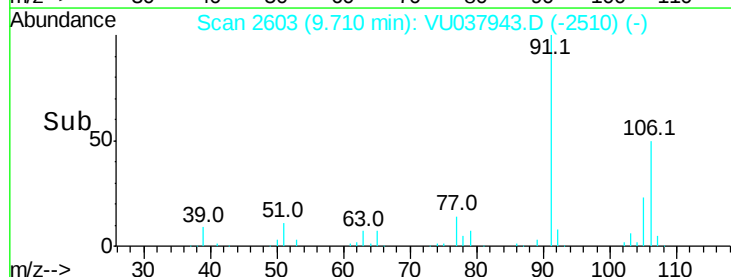
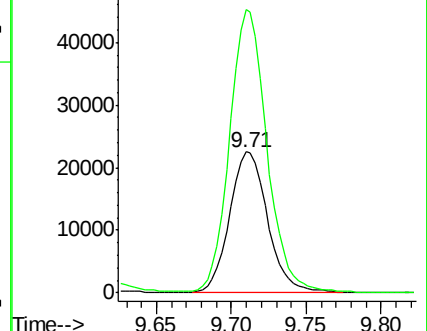
106 100

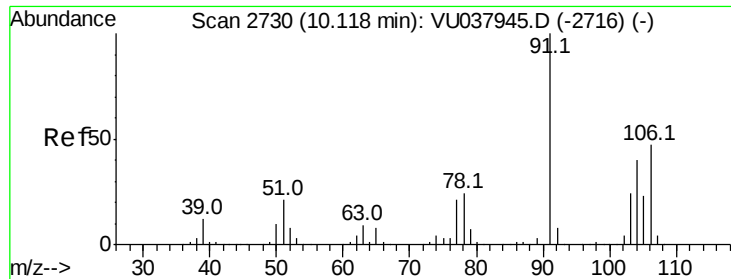
91 200.6 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037943.D (-2603) (-)

Ion 91.00 (90.70 to 91.70): VU037943.D (-2603) (-)

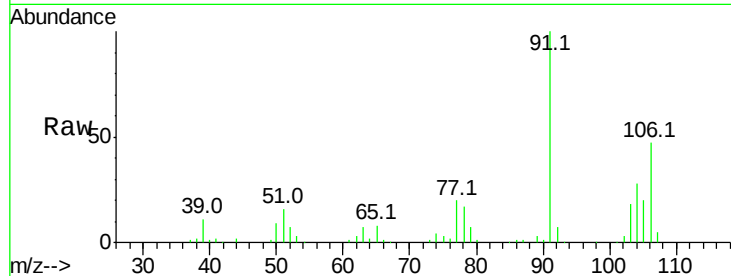




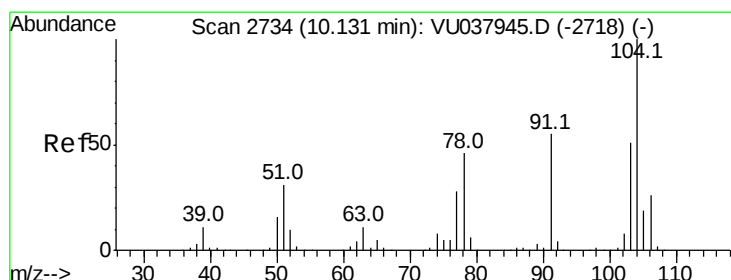
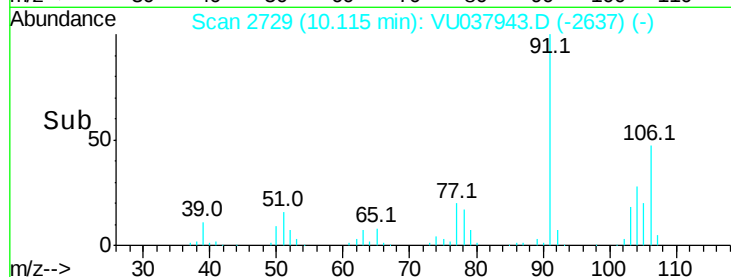
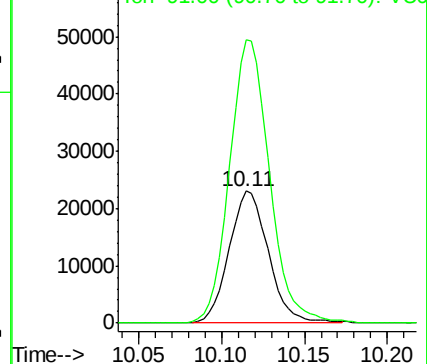
#54
o-xylene
Concen: 5.334 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion:106 Resp: 38026
Ion Ratio Lower Upper
106 100
91 214.8 149.4 277.4

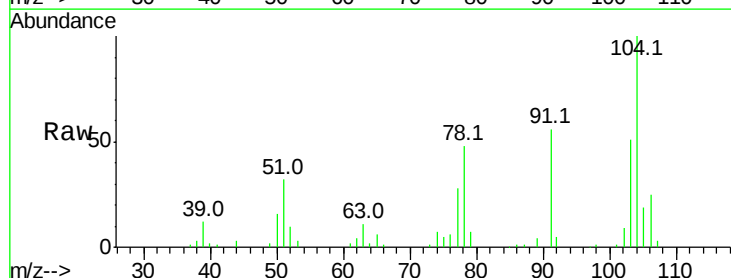


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

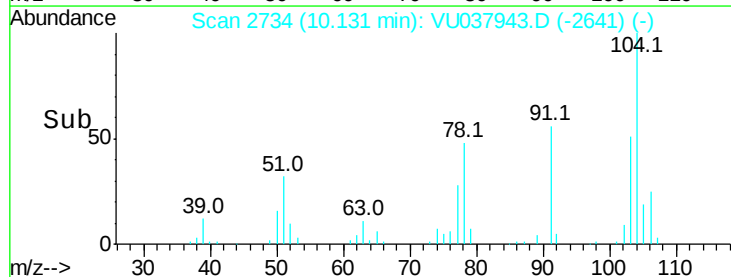
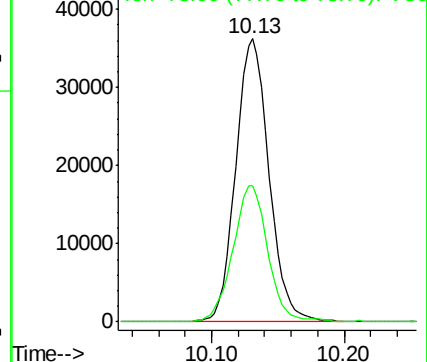


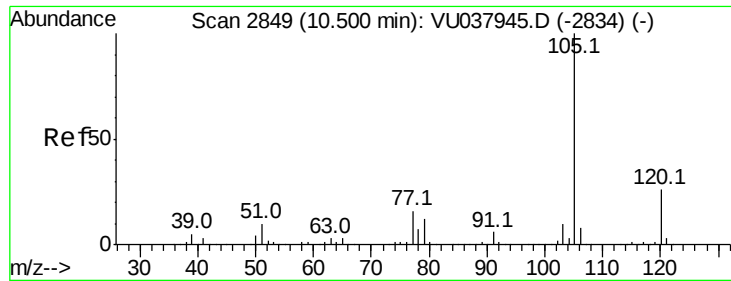
#55
Styrene
Concen: 5.154 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037943.D
Acq: 30 Apr 2020 09:54

Tgt Ion:104 Resp: 63184
Ion Ratio Lower Upper
104 100
78 48.2 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: 5.257 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

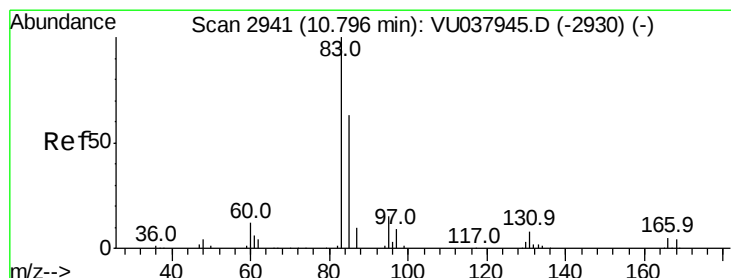
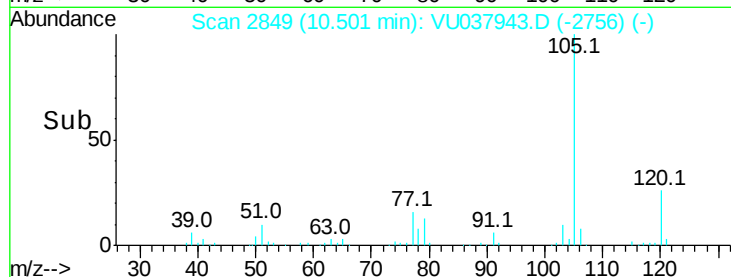
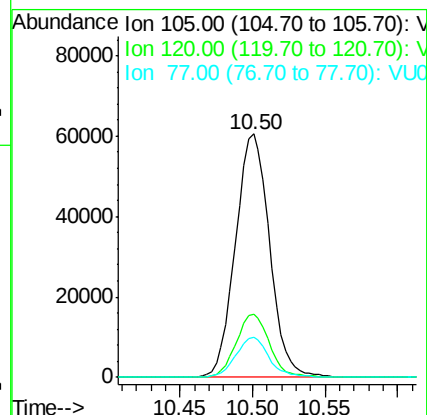
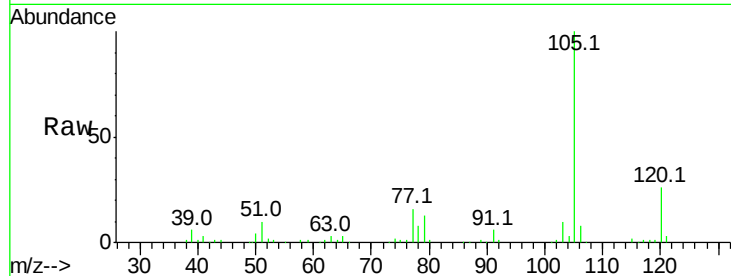
Tgt Ion:105 Resp: 99181

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 5.380 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

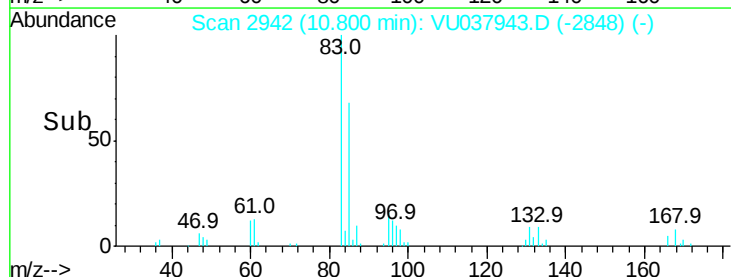
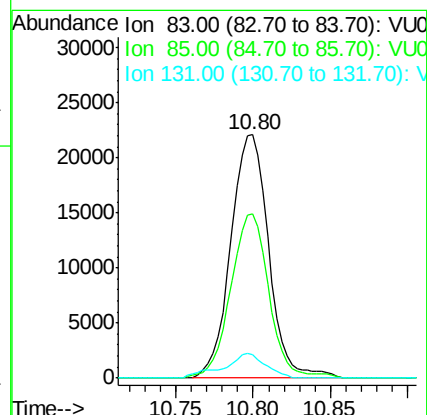
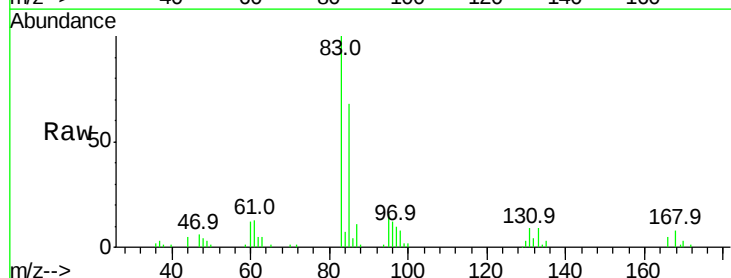
Tgt Ion: 83 Resp: 37586

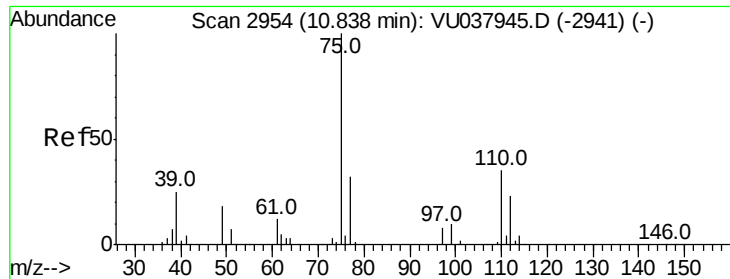
Ion Ratio Lower Upper

83 100

85 67.6 44.9 83.3

131 9.4 6.8 10.2

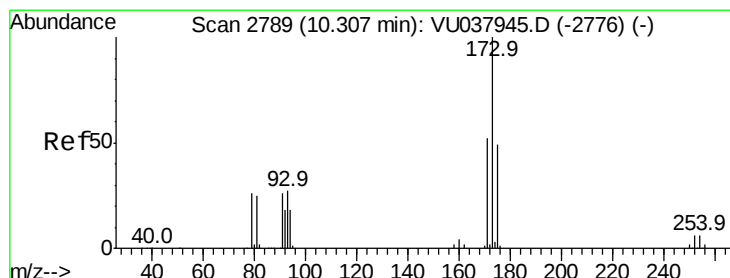
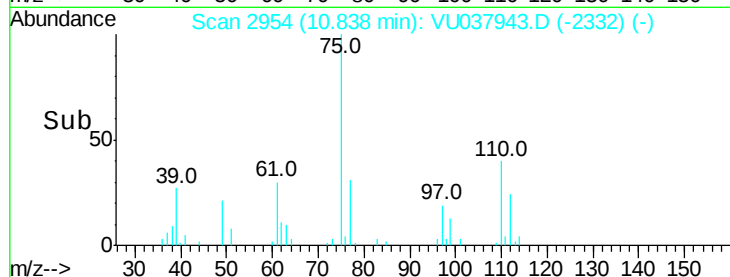
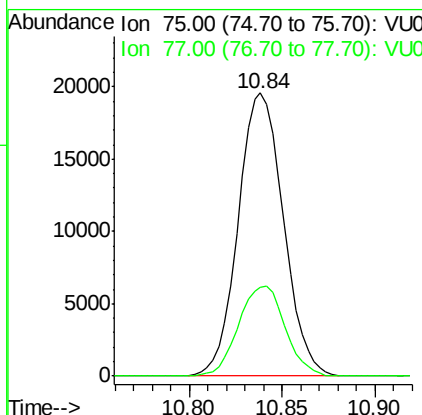
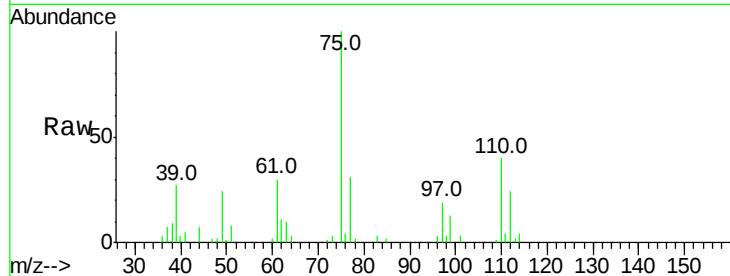




#59
 1,2,3-Trichloropropane
 Concen: 5.478 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

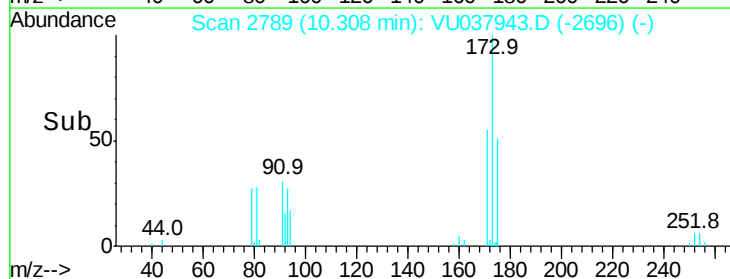
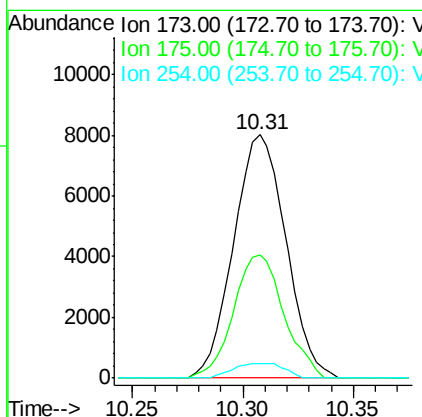
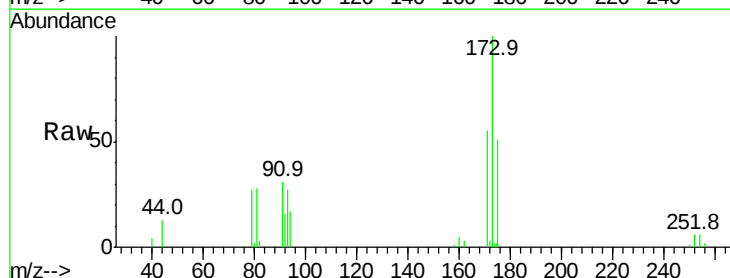
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

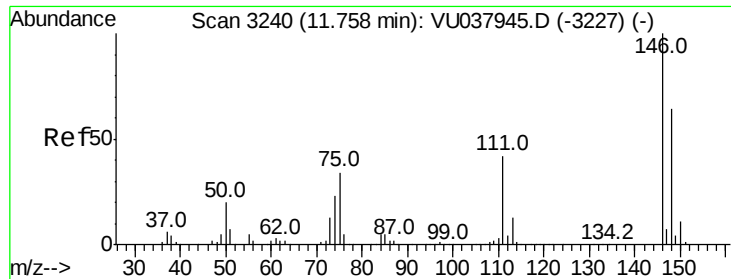
Tgt Ion: 75 Resp: 33136
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#61
 Bromoform
 Concen: 4.806 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion: 173 Resp: 13236
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.0 58.4
 254 5.9 4.7 7.1





#62

1,3-Dichlorobenzene

Concen: 5.533 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

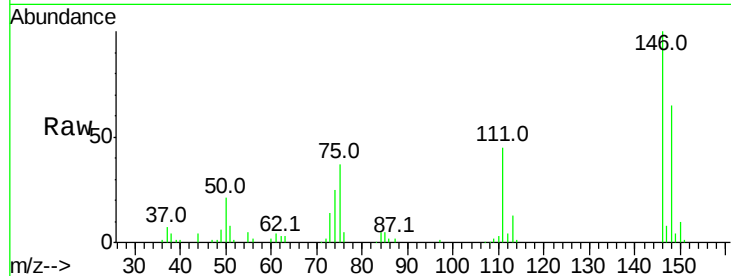
Tgt Ion:146 Resp: 42399

Ion Ratio Lower Upper

146 100

111 45.1 29.2 54.2

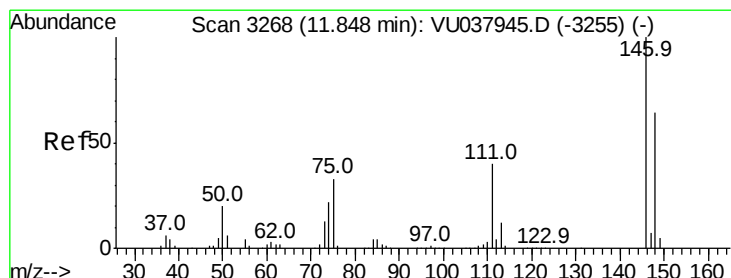
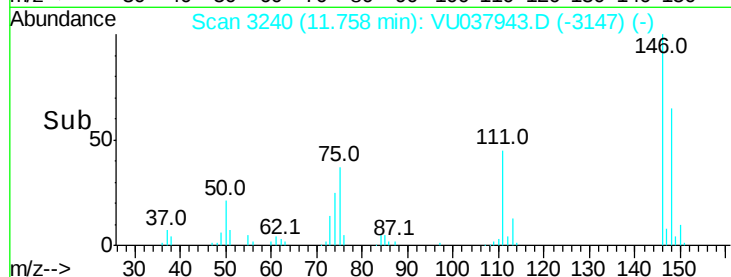
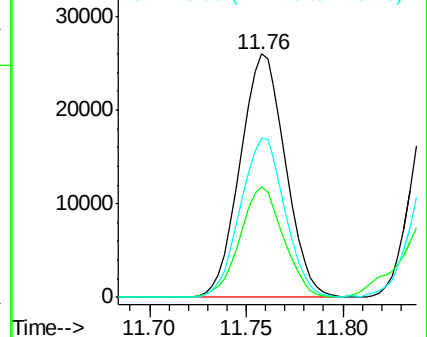
148 65.3 44.9 83.5



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: 5.672 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

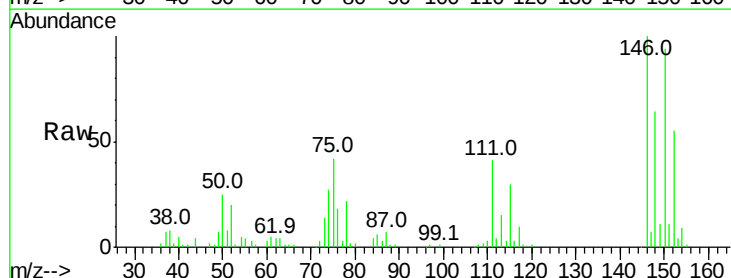
Tgt Ion:146 Resp: 43867

Ion Ratio Lower Upper

146 100

111 41.3 28.2 52.4

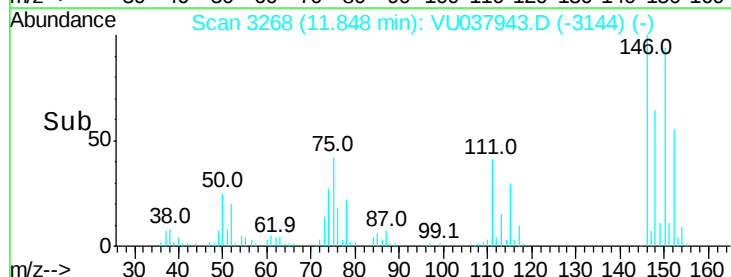
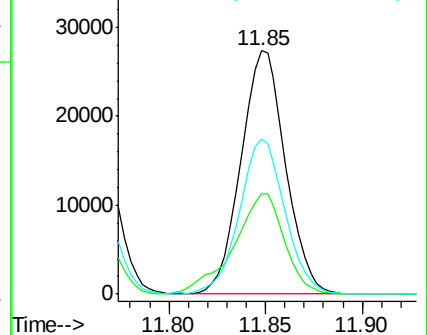
148 64.0 44.5 82.7

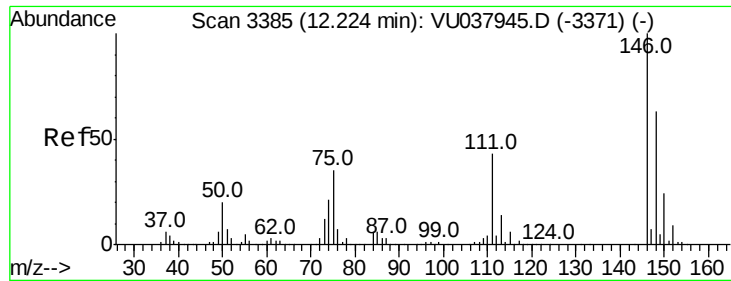


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.776 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

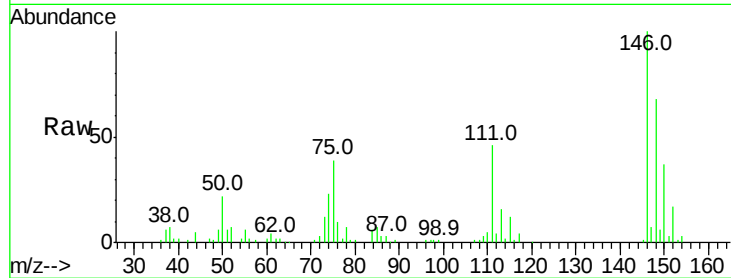
Tgt Ion:146 Resp: 43007

Ion Ratio Lower Upper

146 100

111 46.3 34.6 51.8

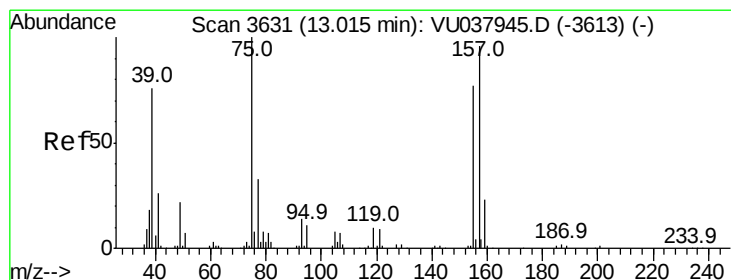
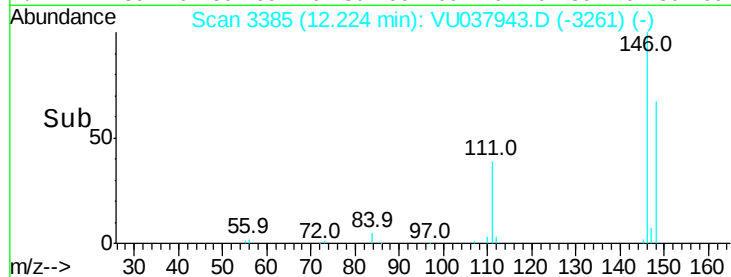
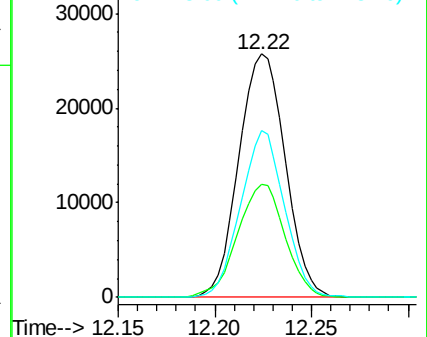
148 68.4 50.1 75.1



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: 5.377 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

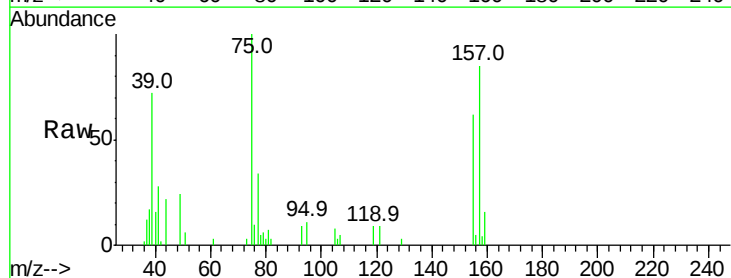
Tgt Ion: 75 Resp: 8923

Ion Ratio Lower Upper

75 100

155 62.4 61.3 91.9

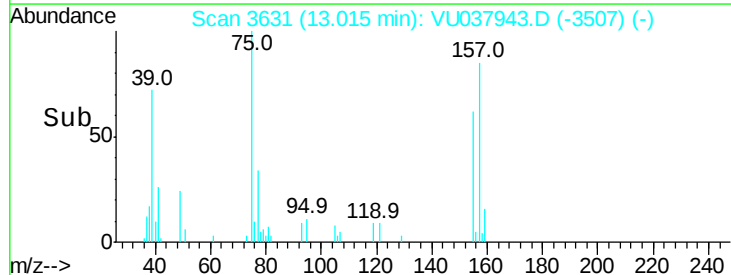
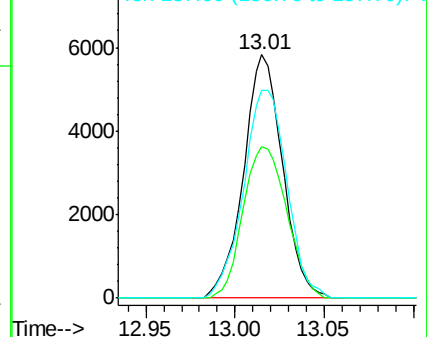
157 85.1 76.9 115.3

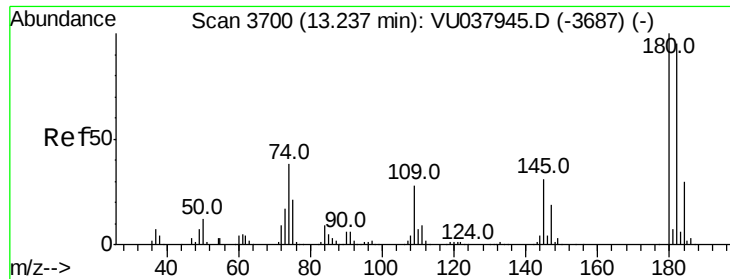


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

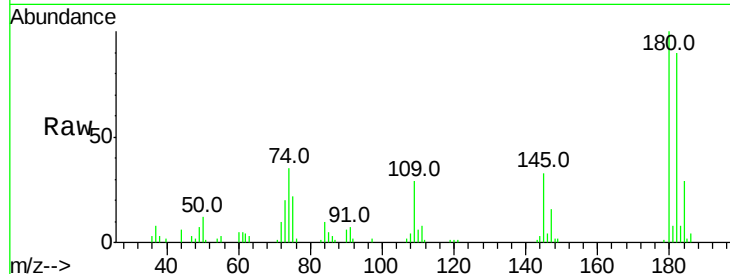




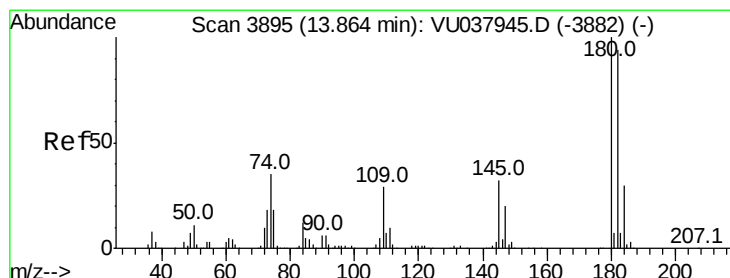
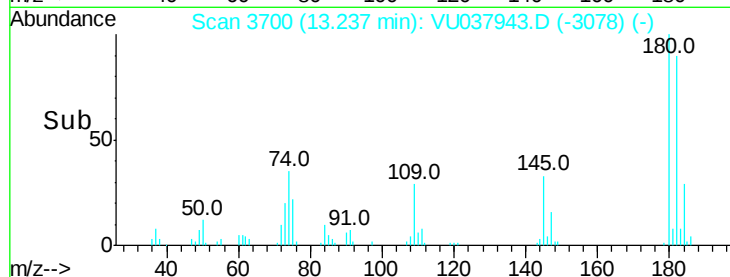
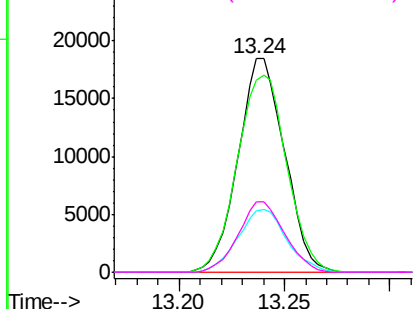
#67
 1,3,5-Trichlorobenzene
 Concen: 5.075 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion:180 Resp: 28262
 Ion Ratio Lower Upper
 180 100
 182 98.5 75.7 113.5
 184 30.9 24.2 36.2
 145 32.9 24.6 37.0

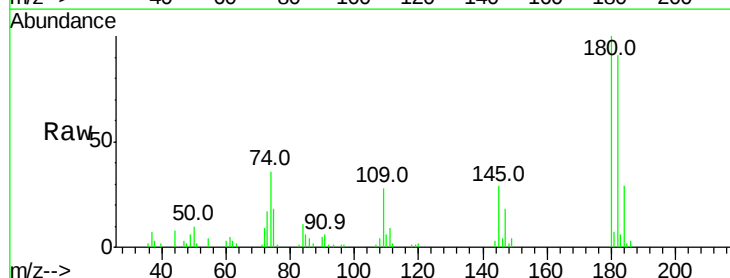


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

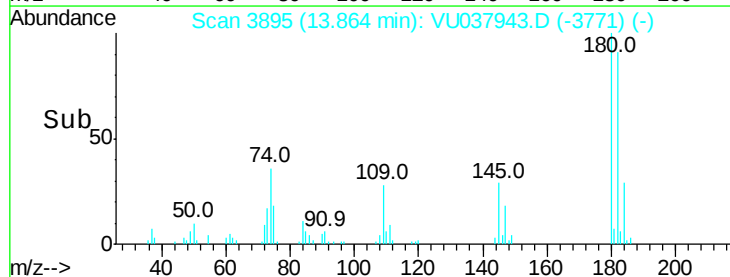
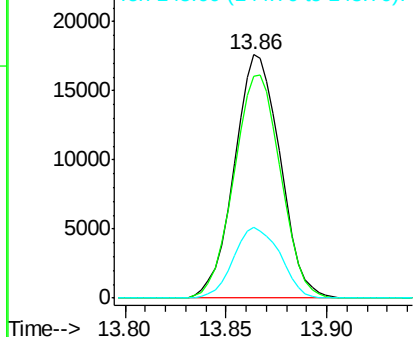


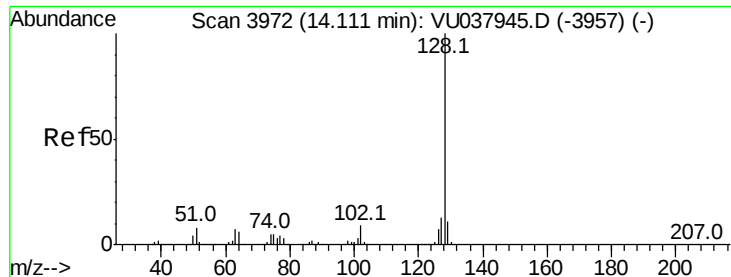
#68
 1,2,4-trichlorobenzene
 Concen: 5.177 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU037943.D
 Acq: 30 Apr 2020 09:54

Tgt Ion:180 Resp: 28035
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.4 113.0
 145 29.7 25.3 37.9



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: 5.162 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

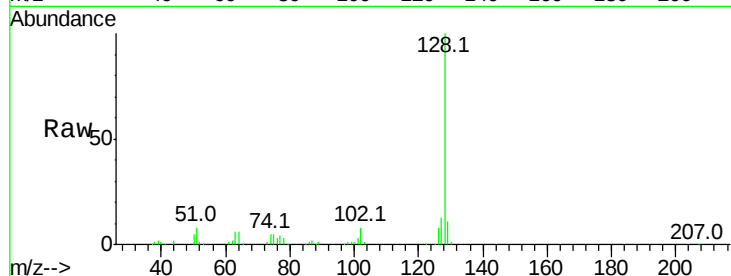
Tgt Ion:128 Resp: 100241

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

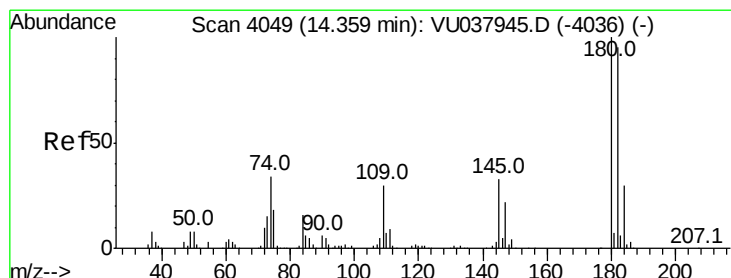
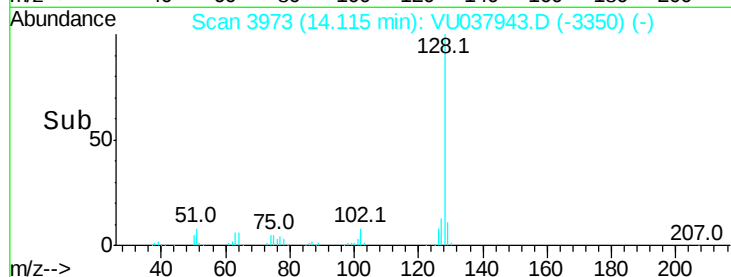
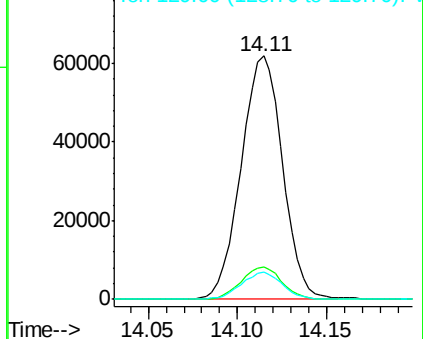
129 10.9 8.8 13.2



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: 4.835 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037943.D

Acq: 30 Apr 2020 09:54

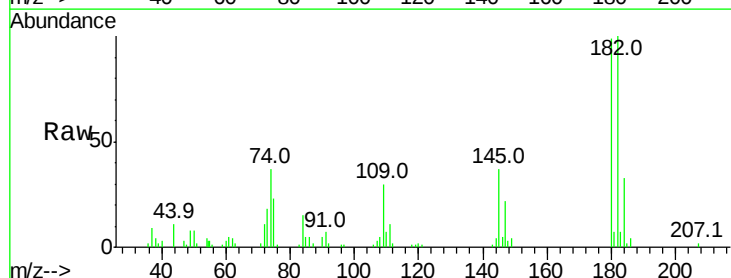
Tgt Ion:180 Resp: 25855

Ion Ratio Lower Upper

180 100

182 101.6 75.9 113.9

145 35.8 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

