

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
 Data File : VU025453.D
 Acq On : 17 Jul 2018 10:52
 Operator : MD/SY
 Sample : VSTD00541
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Quant Time: Jul 18 05:25:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 18 05:25:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	360168	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	323256	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	151839	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	8683	5.11	ug/L	0.00
7) Chloroethane-d5	1.68	69	7736	5.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	19919	5.34	ug/L	0.00
21) 2-Butanone-d5	4.19	46	17182	9.51	ug/L	0.00
24) Chloroform-d	4.65	84	22418	5.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15574	5.19	ug/L	0.00
32) Benzene-d6	5.35	84	39792	5.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	13602	5.26	ug/L	0.00
41) Toluene-d8	7.57	98	37900	5.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6553	4.87	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	12546	9.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	18478	4.81	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	15463	5.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	17238	5.817	ug/L 100
3) Chloromethane	1.33	50	14978	5.712	ug/L 97
5) Vinyl chloride	1.40	62	14654	5.558	ug/L 100
6) Bromomethane	1.63	94	7771	5.408	ug/L 98
8) Chloroethane	1.70	64	9124	5.783	ug/L 98
9) Trichlorofluoromethane	1.89	101	22686	5.853	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12813	6.088	ug/L 95
12) 1,1-Dichloroethene	2.28	96	11031	5.651	ug/L 91
13) Acetone	2.33	43	21173	13.305	ug/L 97
14) Carbon disulfide	2.48	76	35908	5.692	ug/L 96
15) Methyl Acetate	2.62	43	17042	5.843	ug/L 98
16) Methylene chloride	2.70	84	14763	5.783	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	13077	5.663	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	44893	5.487	ug/L 97
19) 1,1-Dichloroethane	3.45	63	26433	5.723	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	16736	5.920	ug/L 98
22) 2-Butanone	4.27	43	23875	10.990	ug/L 99
23) Bromochloromethane	4.55	128	7639	5.391	ug/L 94
25) Chloroform	4.68	83	27397	5.645	ug/L 91
27) 1,2-Dichloroethane	5.41	62	22510	5.585	ug/L 96
29) Cyclohexane	5.00	56	21403	5.750	ug/L 99
30) 1,1,1-Trichloroethane	4.92	97	25089	5.832	ug/L 99
31) Carbon tetrachloride	5.14	117	20961	5.547	ug/L 97
33) Benzene	5.39	78	54698	5.720	ug/L 100
34) Trichloroethene	6.19	95	14716	5.813	ug/L 97
35) Methylcyclohexane	6.42	83	22598	5.879	ug/L 99
37) 1,2-Dichloropropane	6.44	63	14558	5.518	ug/L 100
38) Bromodichloromethane	6.76	83	19694	5.529	ug/L 98
39) cis-1,3-Dichloropropene	7.27	75	22424	5.486	ug/L 95
40) 4-Methyl-2-pentanone	7.46	43	41381	10.815	ug/L 99

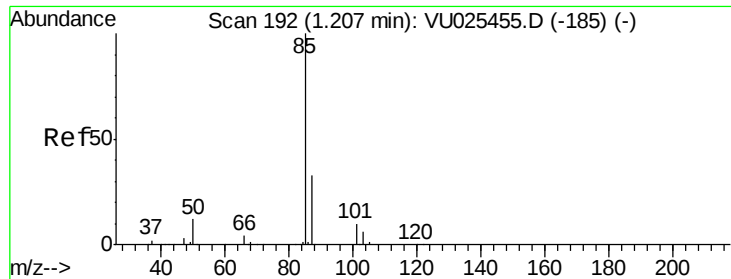
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	56274	5.519	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	21028	5.359	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	13837	5.532	ug/L	98
46) Tetrachloroethene	8.23	164	12229	5.791	ug/L	94
48) 2-Hexanone	8.36	43	33545	10.974	ug/L	99
49) Dibromochloromethane	8.48	129	16088	5.313	ug/L	98
50) 1,2-Dibromoethane	8.59	107	14896	5.396	ug/L #	94
51) Chlorobenzene	9.12	112	37098	5.422	ug/L	93
52) Ethylbenzene	9.25	91	62951	5.530	ug/L	97
53) m,p-Xylene	9.38	106	23733	5.440	ug/L	96
54) o-xylene	9.78	106	23933	5.438	ug/L	99
55) Styrene	9.80	104	37672	5.182	ug/L	100
56) Isopropylbenzene	10.17	105	61618	5.406	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	24081	5.592	ug/L #	93
59) 1,2,3-Trichloropropane	10.50	75	19337	5.512	ug/L	97
61) Bromoform	9.96	173	11005	5.138	ug/L #	96
62) 1,3-Dichlorobenzene	11.42	146	28179	5.599	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	28987	5.700	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	30207	5.685	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	5686	5.718	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	22841	5.905	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	19355	5.611	ug/L	100
69) Naphthalene	13.75	128	64269	5.385	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	21162	5.689	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.817 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025453.D

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Instrument :

MSVOA_U

ClientSampleId :

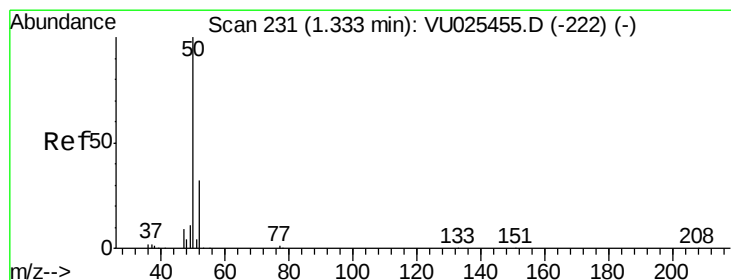
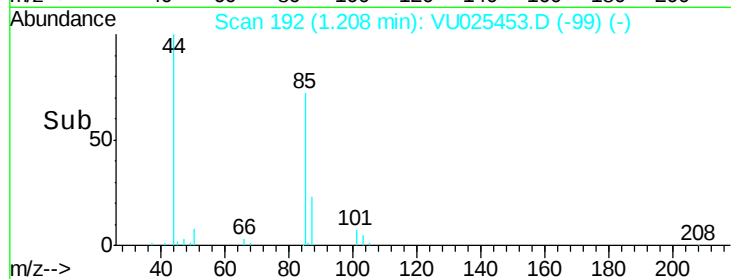
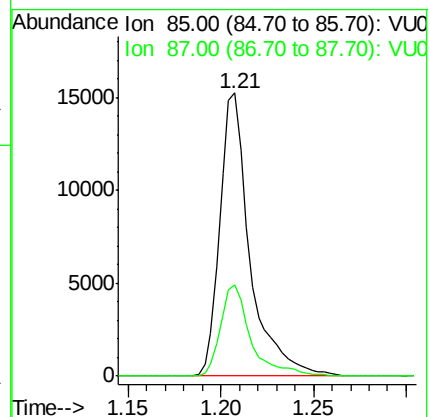
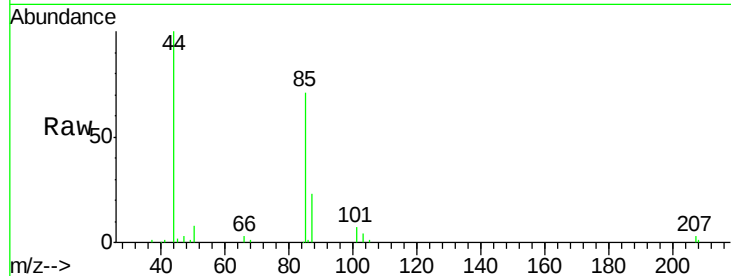
VSTD00541

Tgt Ion: 85 Resp: 17238

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



#3

Chloromethane

Concen: 5.712 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025453.D

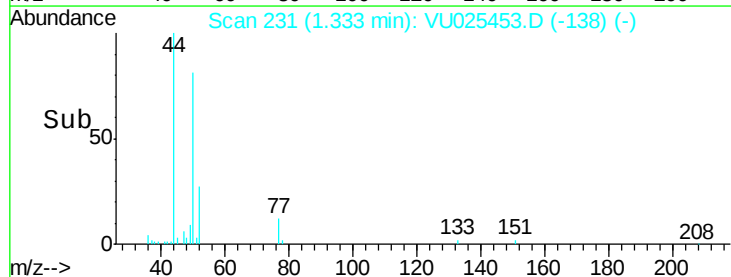
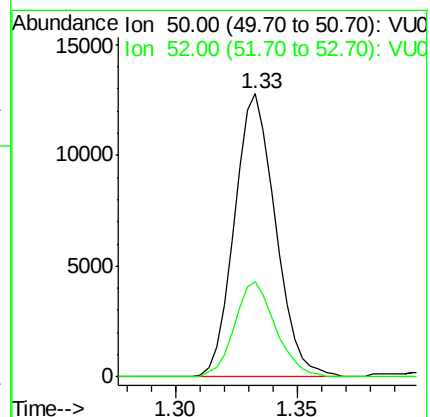
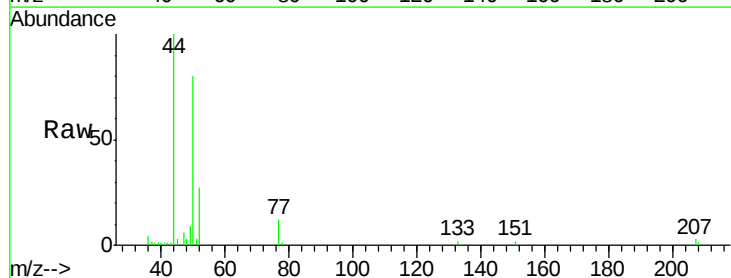
Acq: 17 Jul 2018 10:52

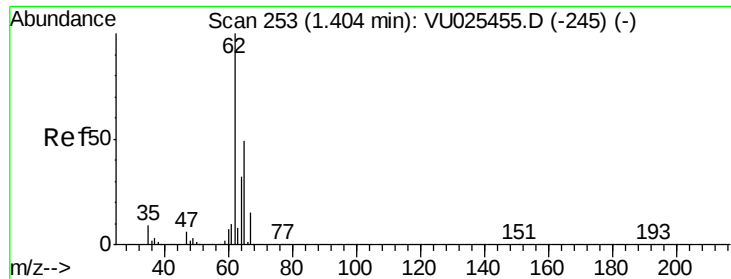
Tgt Ion: 50 Resp: 14978

Ion Ratio Lower Upper

50 100

52 33.7 22.4 41.6





#5

Vinyl chloride

Concen: 5.558 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

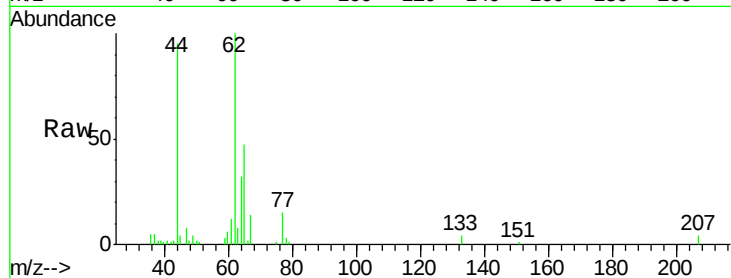
VSTD00541

Tgt Ion: 62 Resp: 14654

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

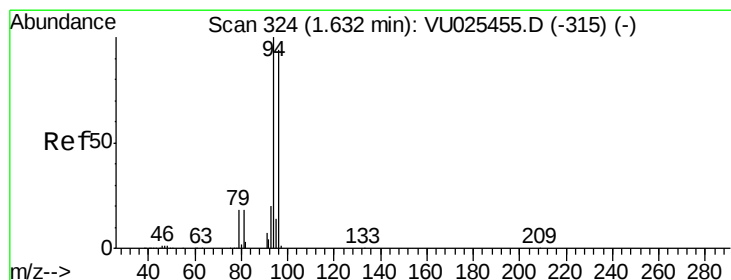
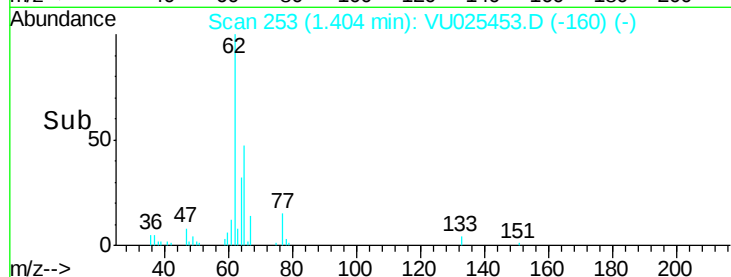
15000

10000

5000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 5.408 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU025453.D

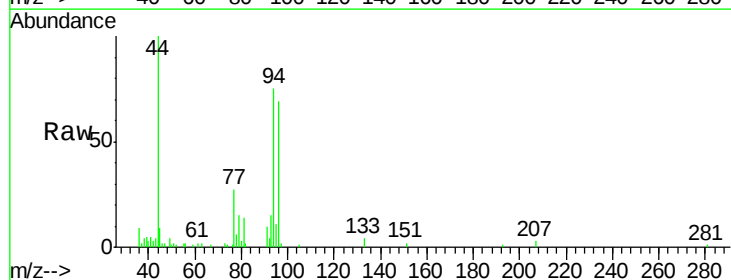
Acq: 17 Jul 2018 10:52

Tgt Ion: 94 Resp: 7771

Ion Ratio Lower Upper

94 100

96 92.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

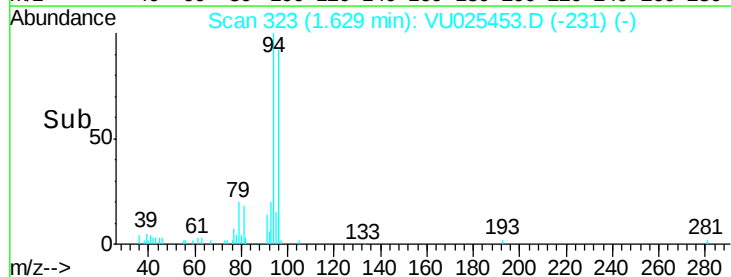
6000

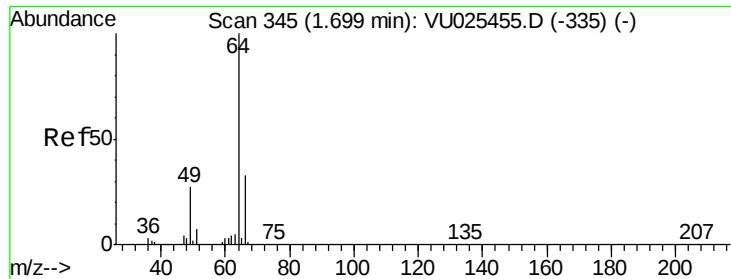
4000

2000

0

Time--> 1.60 1.65





#8

Chloroethane

Concen: 5.783 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

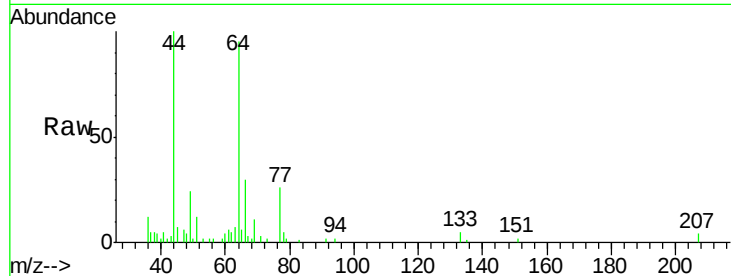
VSTD00541

Tgt Ion: 64 Resp: 9124

Ion Ratio Lower Upper

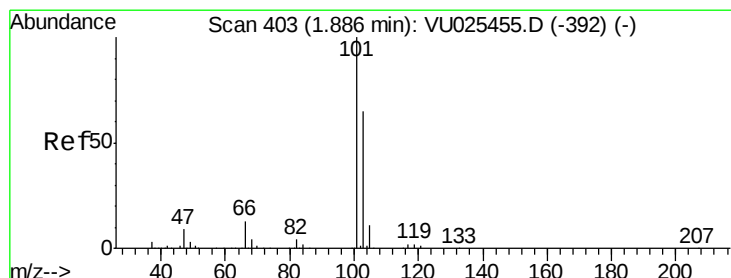
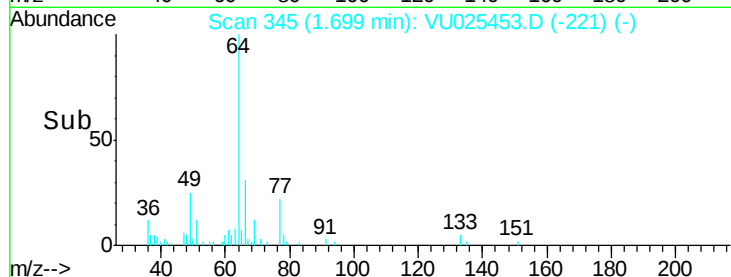
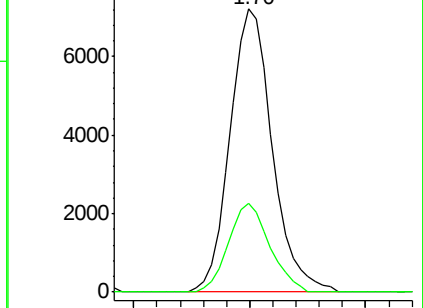
64 100

66 31.5 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU025453.D (-221) (-)

Ion 66.00 (65.70 to 66.70): VU025453.D (-221) (-)



#9

Trichlorofluoromethane

Concen: 5.853 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025453.D

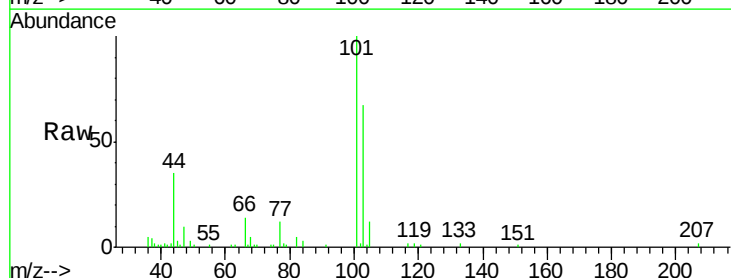
Acq: 17 Jul 2018 10:52

Tgt Ion: 101 Resp: 22686

Ion Ratio Lower Upper

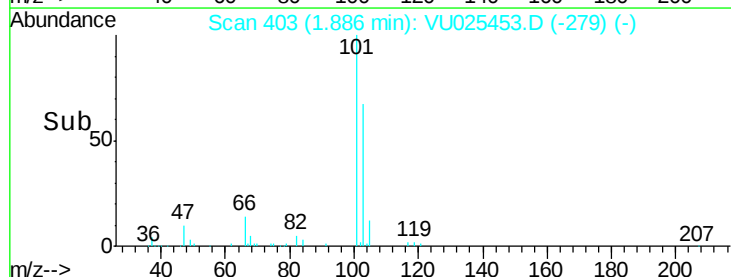
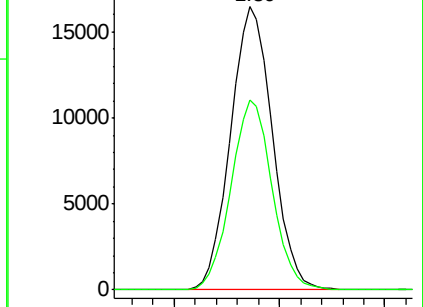
101 100

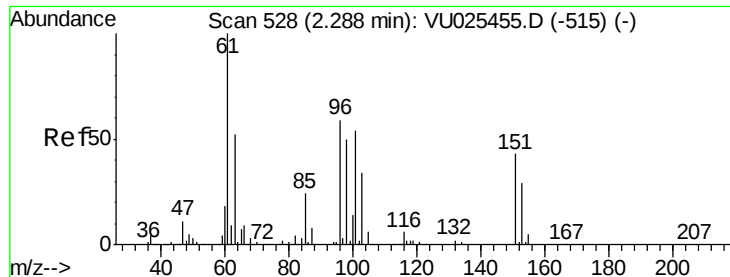
103 65.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU025453.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU025453.D (-279) (-)





#10

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

Concen: 6.088 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

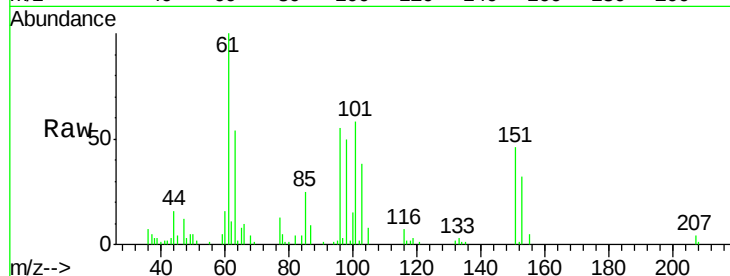
Tgt Ion:101 Resp: 12813

Ion Ratio Lower Upper

101 100

85 40.8 35.4 53.2

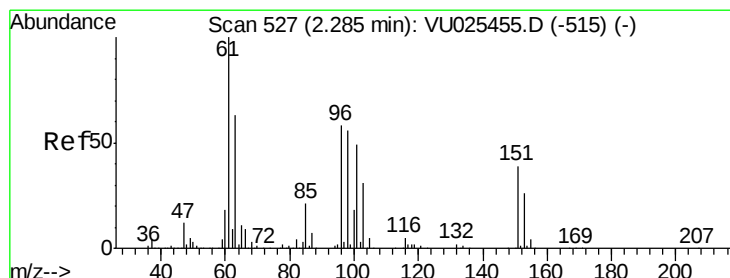
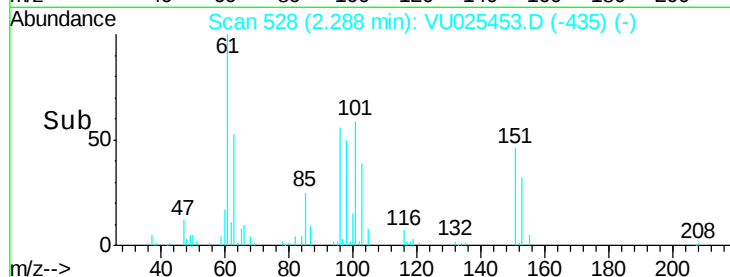
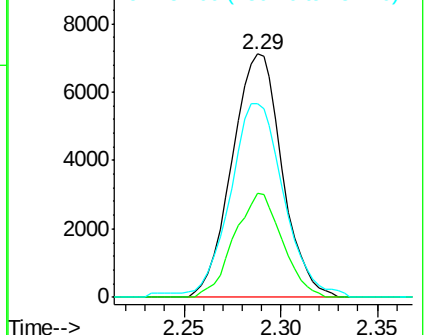
151 84.9 65.0 97.4



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: 5.651 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

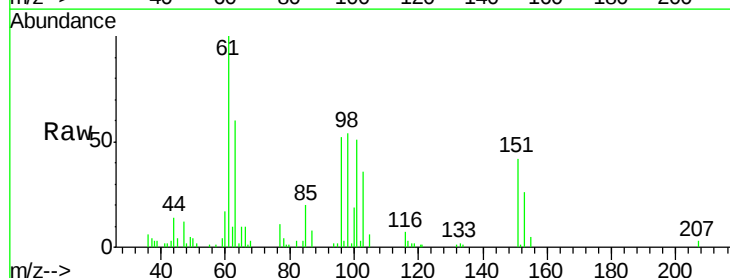
Tgt Ion: 96 Resp: 11031

Ion Ratio Lower Upper

96 100

61 190.8 120.6 224.0

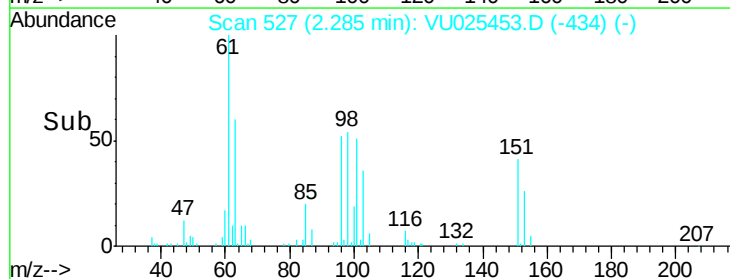
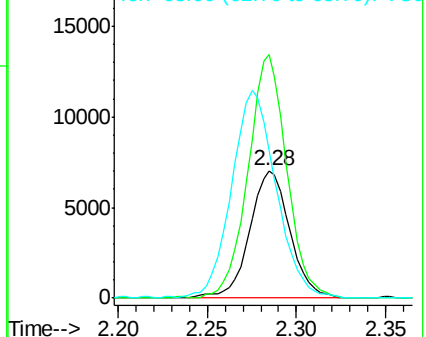
63 115.3 79.3 147.3

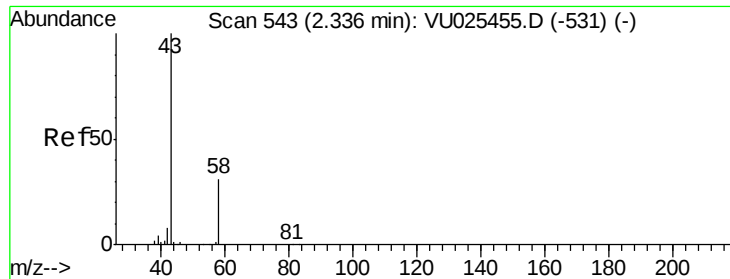


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 13.305 ug/L

RT: 2.33 min Scan# 541

Delta R.T. -0.01 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

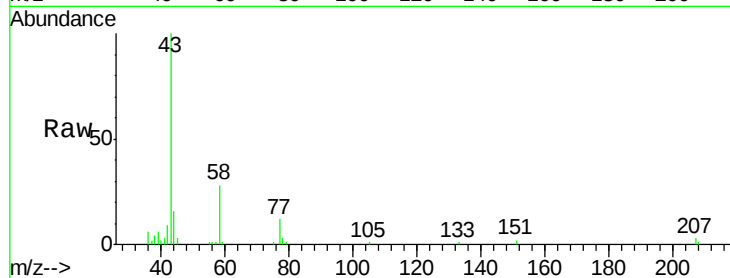
VSTD00541

Tgt Ion: 43 Resp: 21173

Ion Ratio Lower Upper

43 100

58 31.4 0.0 59.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

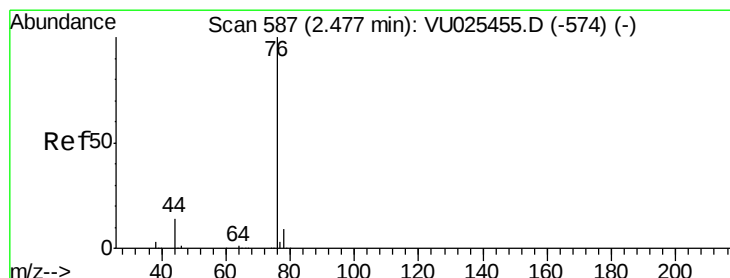
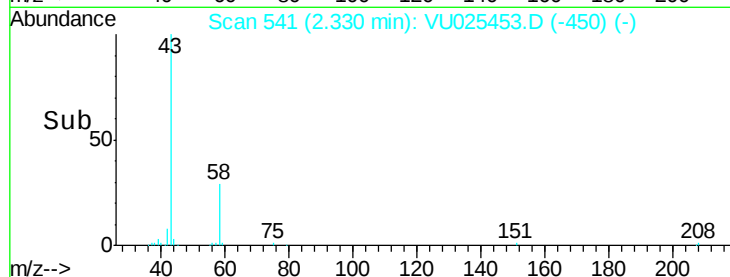
2.33

10000

5000

0

Time--> 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 5.692 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025453.D

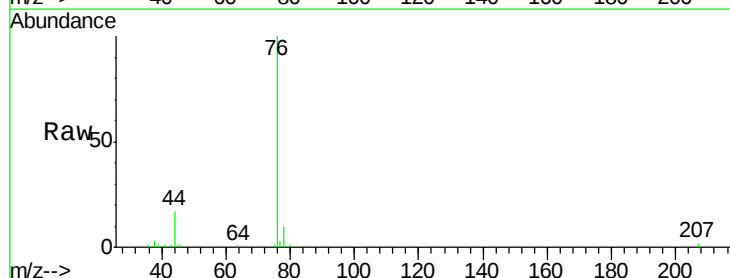
Acq: 17 Jul 2018 10:52

Tgt Ion: 76 Resp: 35908

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

25000

20000

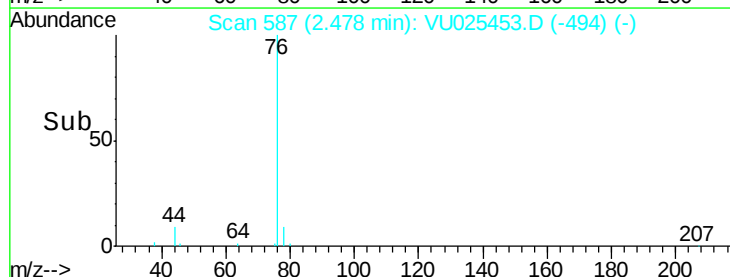
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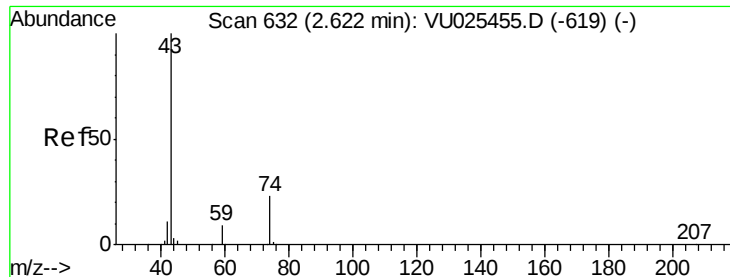
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5000

0

Time--> 2.40 2.45 2.50 2.55

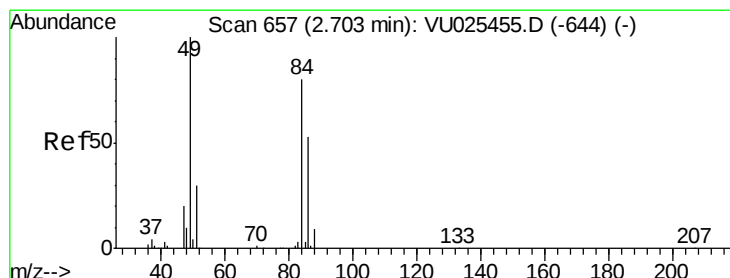
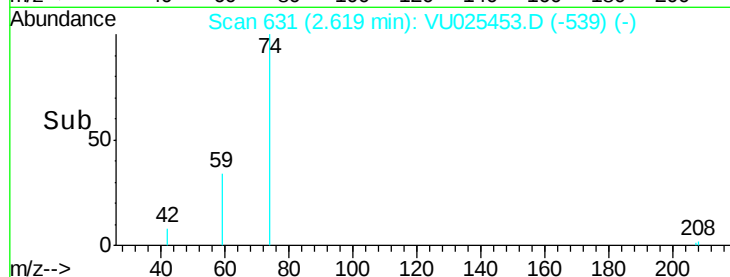
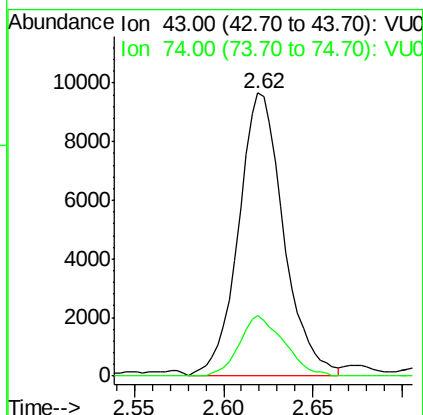
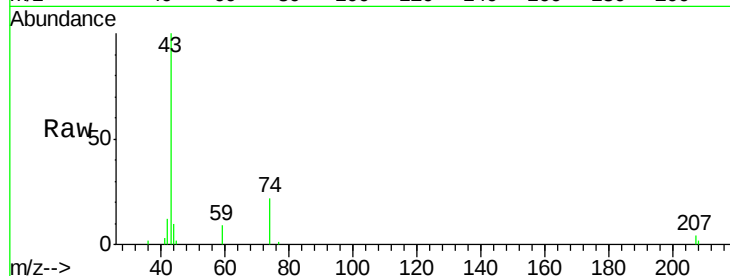




#15
Methyl Acetate
Concen: 5.843 ug/L
RT: 2.62 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU025453.D
Acq: 17 Jul 2018 10:52

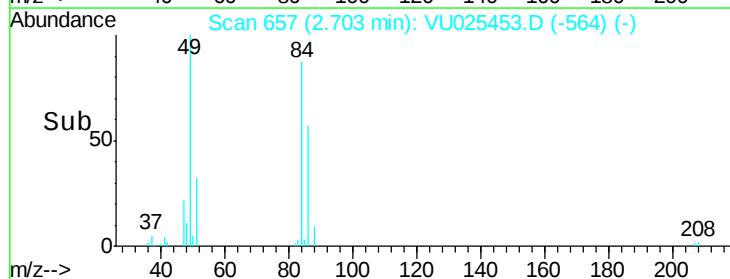
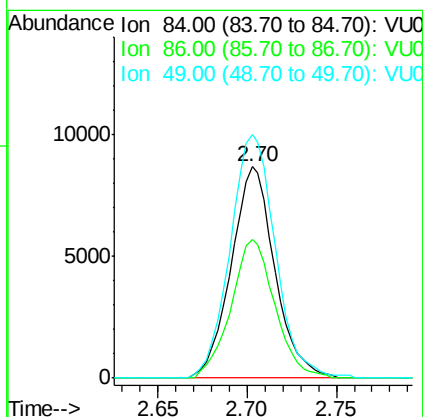
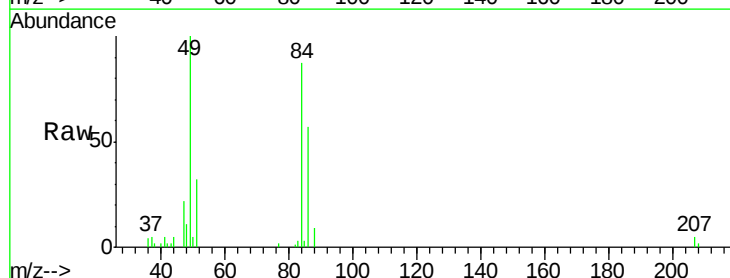
Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

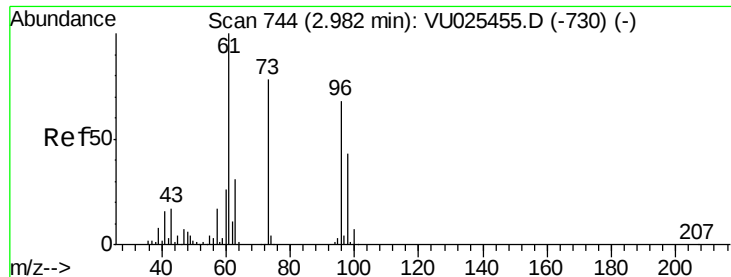
Tgt Ion: 43 Resp: 17042
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.8



#16
Methylene chloride
Concen: 5.783 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025453.D
Acq: 17 Jul 2018 10:52

Tgt Ion: 84 Resp: 14763
Ion Ratio Lower Upper
84 100
86 65.9 46.3 85.9
49 115.2 87.9 163.3





#17

trans-1,2-Dichloroethene

Concen: 5.663 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

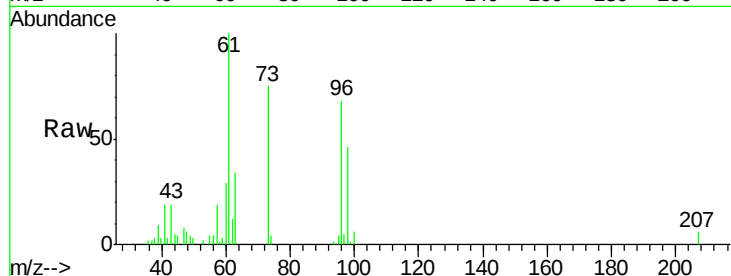
Tgt Ion: 96 Resp: 13077

Ion Ratio Lower Upper

96 100

61 146.9 103.6 192.4

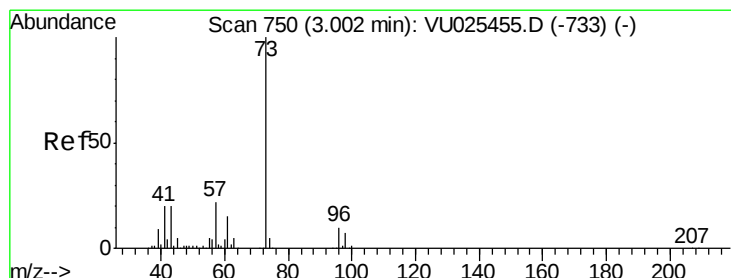
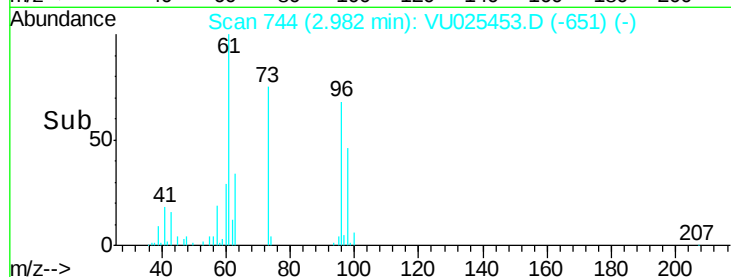
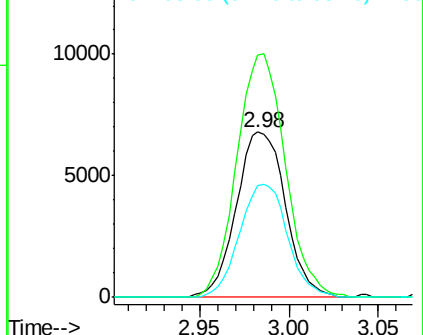
98 67.3 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 5.487 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

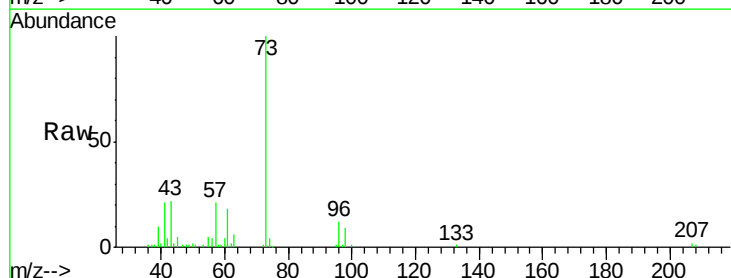
Tgt Ion: 73 Resp: 44893

Ion Ratio Lower Upper

73 100

43 22.7 16.6 24.8

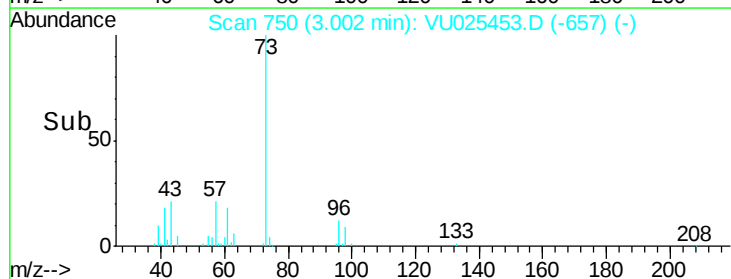
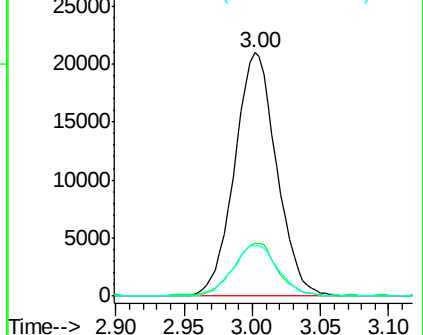
57 22.3 17.0 25.6

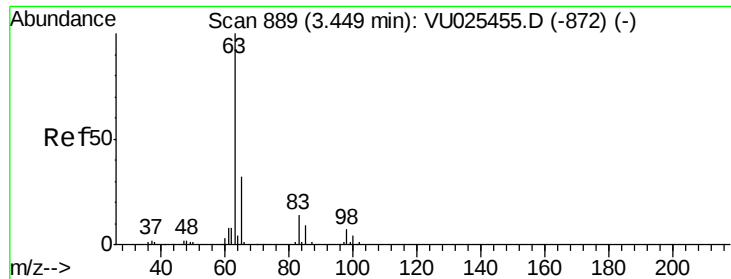


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

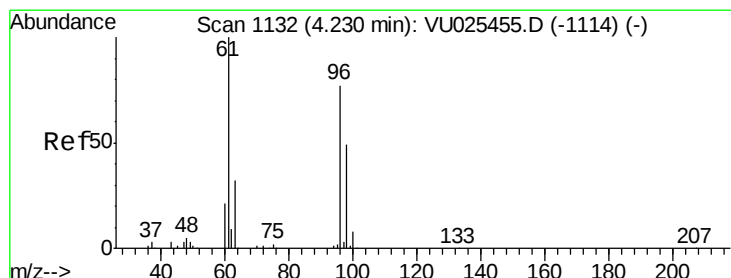
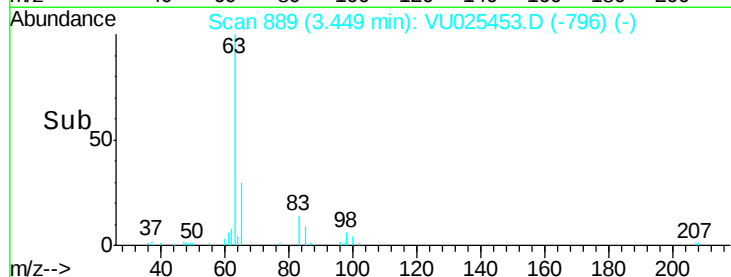
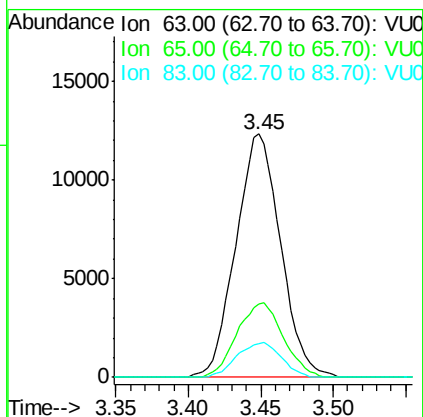
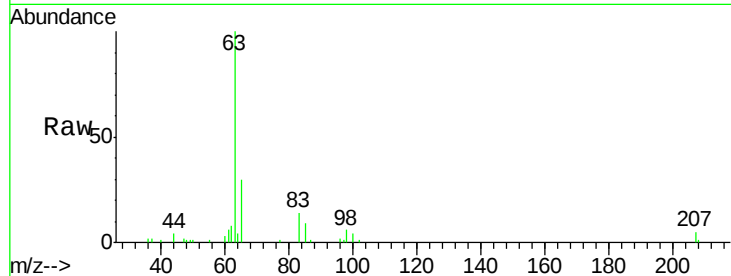




#19
 1,1-Dichloroethane
 Concen: 5.723 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

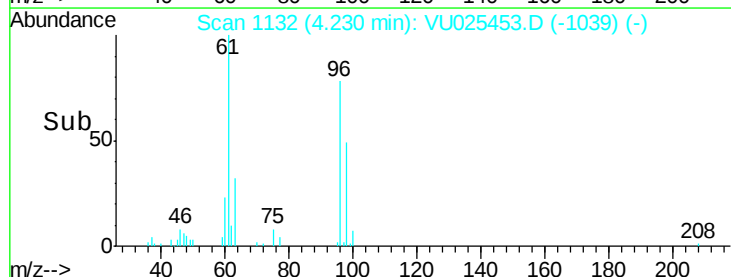
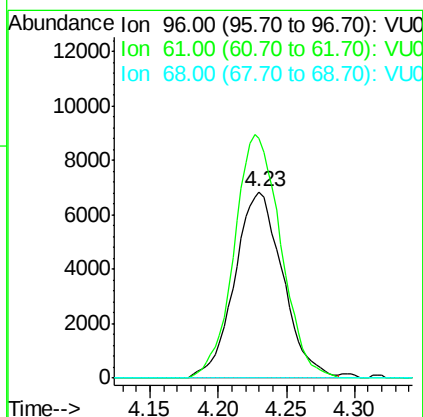
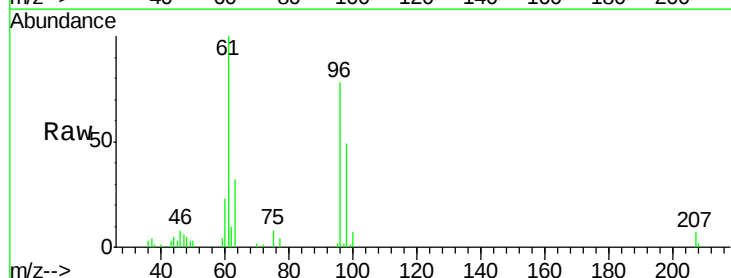
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

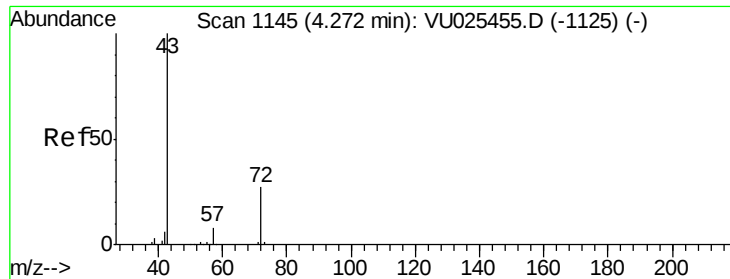
Tgt Ion: 63 Resp: 26433
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.7 42.1
 83 14.0 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 5.920 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion: 96 Resp: 16736
 Ion Ratio Lower Upper
 96 100
 61 128.7 91.7 170.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 10.990 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

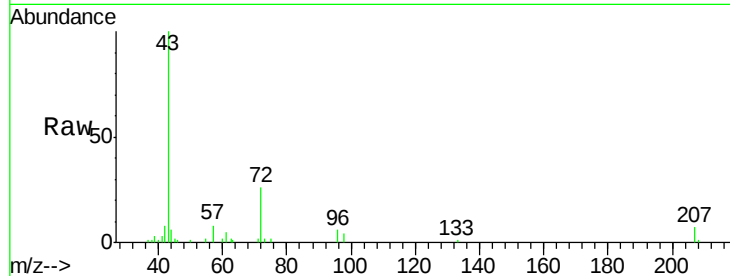
VSTD00541

Tgt Ion: 43 Resp: 23875

Ion Ratio Lower Upper

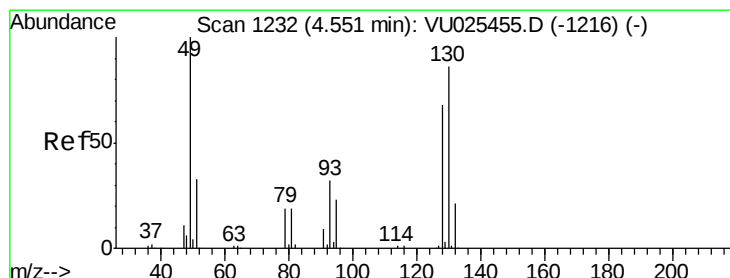
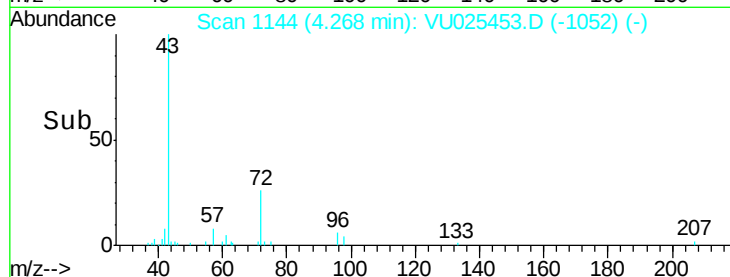
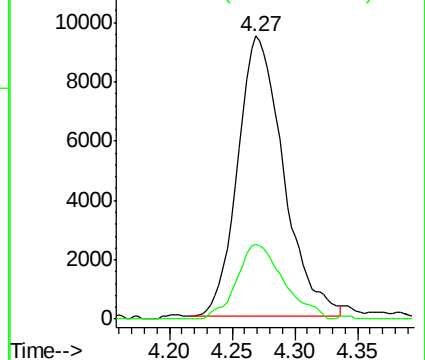
43 100

72 27.4 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 5.391 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Tgt Ion: 128 Resp: 7639

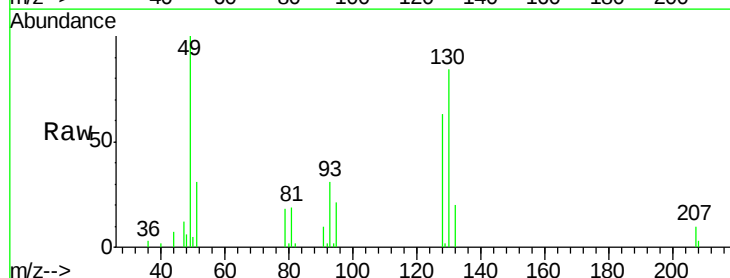
Ion Ratio Lower Upper

128 100

49 157.9 103.0 191.2

130 132.3 88.5 164.3

51 49.0 38.7 58.1

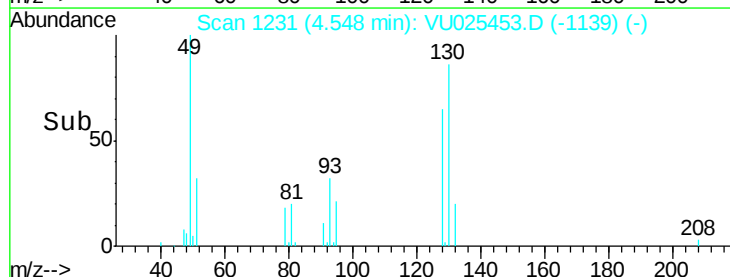
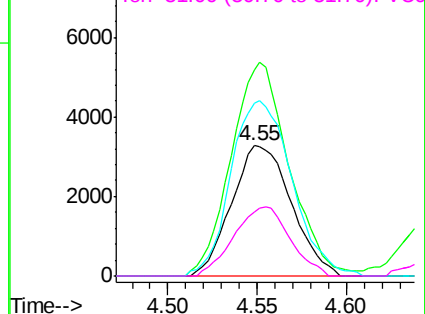


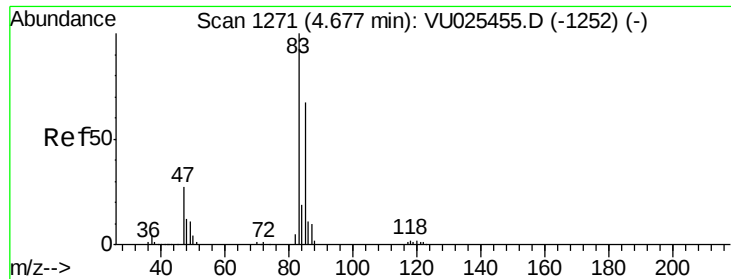
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0





#25

Chloroform

Concen: 5.645 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

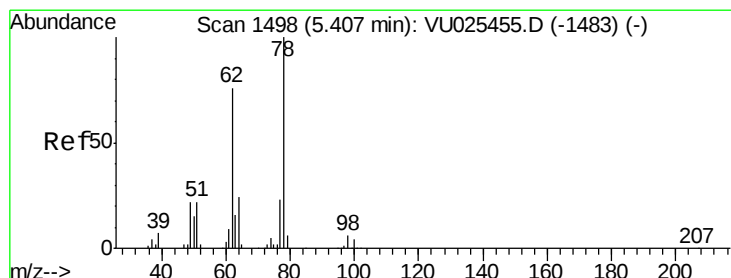
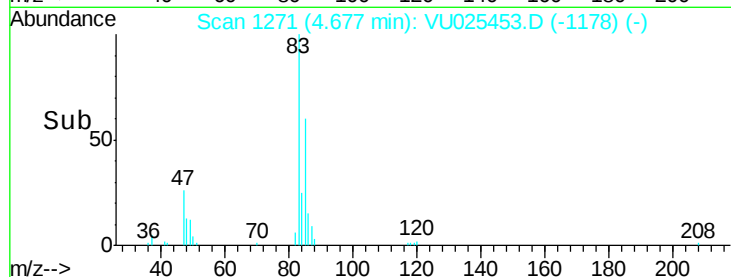
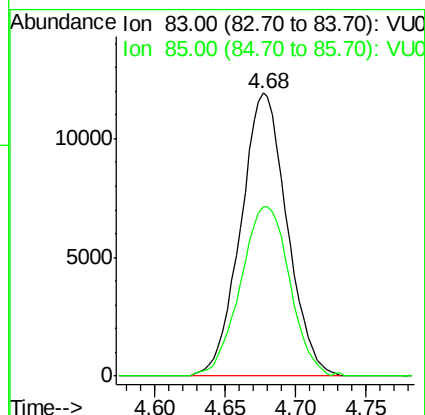
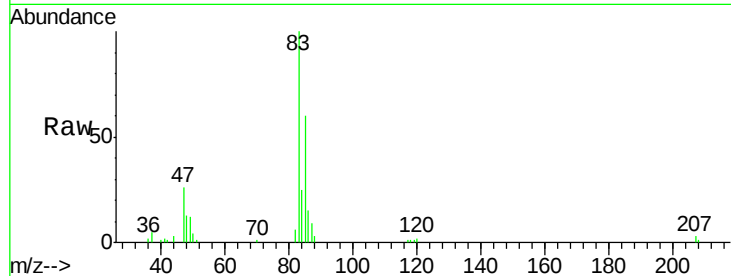
VSTD00541

Tgt Ion: 83 Resp: 27397

Ion Ratio Lower Upper

83 100

85 59.8 47.2 87.6



#27

1,2-Dichloroethane

Concen: 5.585 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU025453.D

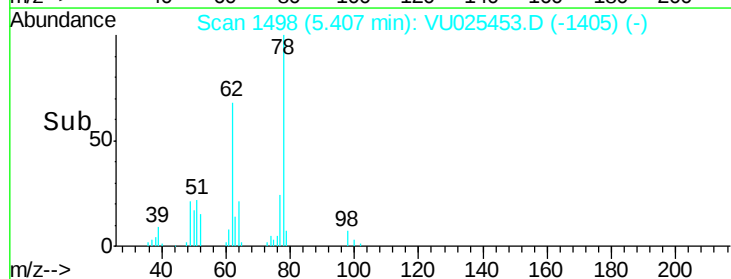
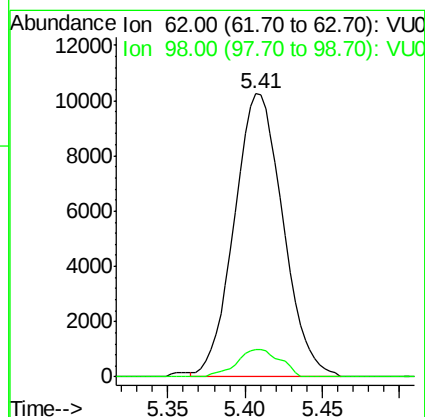
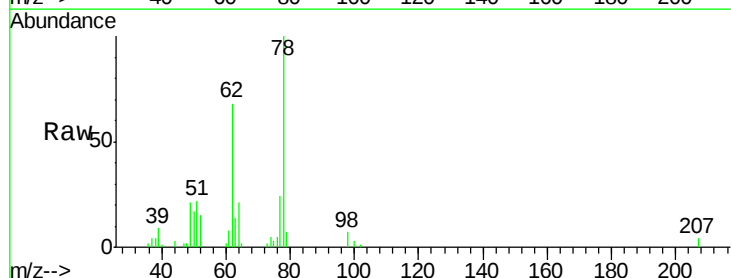
Acq: 17 Jul 2018 10:52

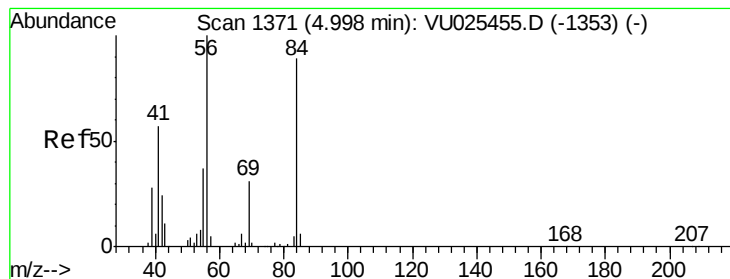
Tgt Ion: 62 Resp: 22510

Ion Ratio Lower Upper

62 100

98 9.7 6.5 9.7





#29

Cyclohexane

Concen: 5.750 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampled :

VSTD00541

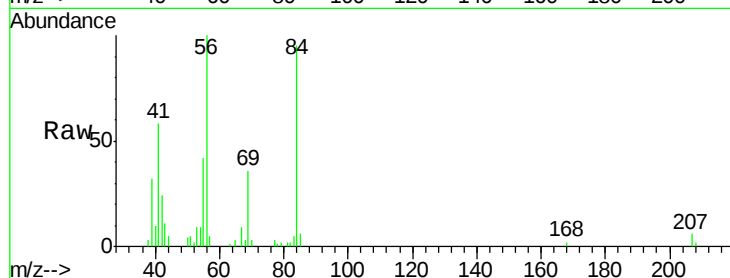
Tgt Ion: 56 Resp: 21403

Ion Ratio Lower Upper

56 100

69 32.2 25.0 37.4

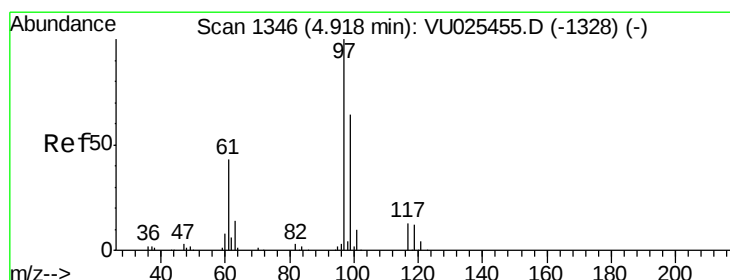
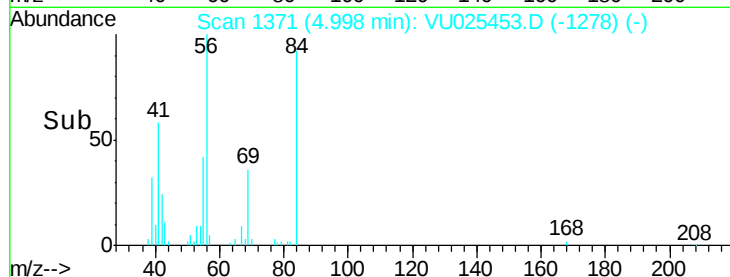
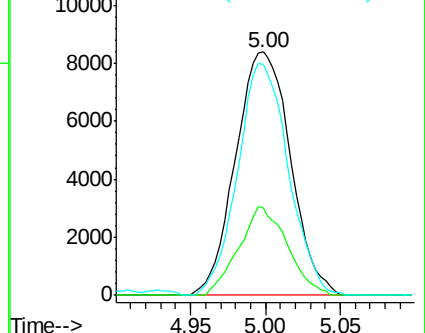
84 88.5 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 5.832 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

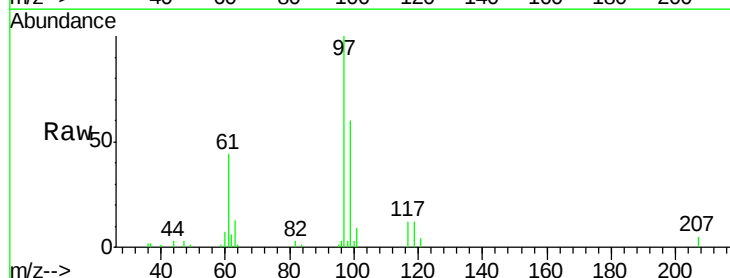
Tgt Ion: 97 Resp: 25089

Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

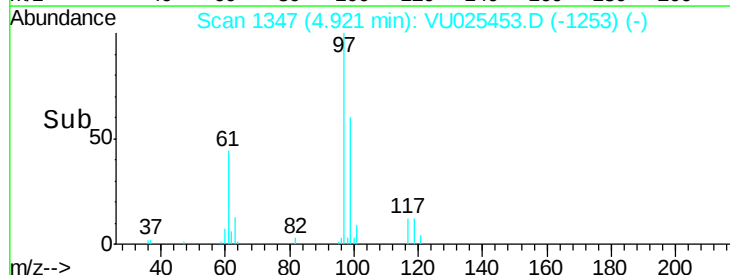
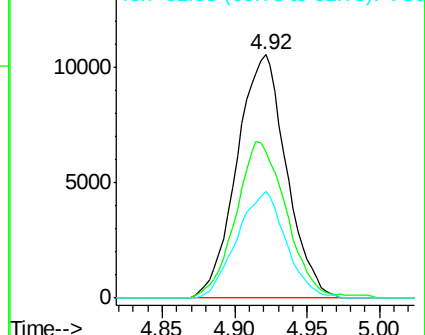
61 43.1 34.1 51.1

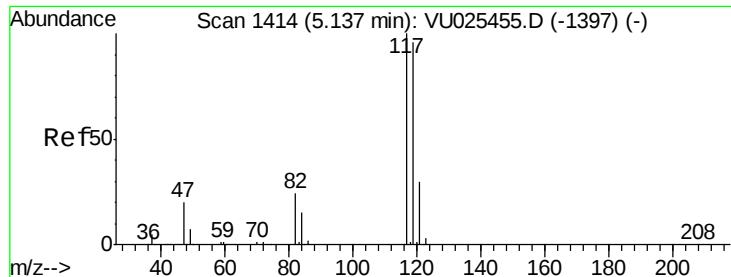


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 5.547 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

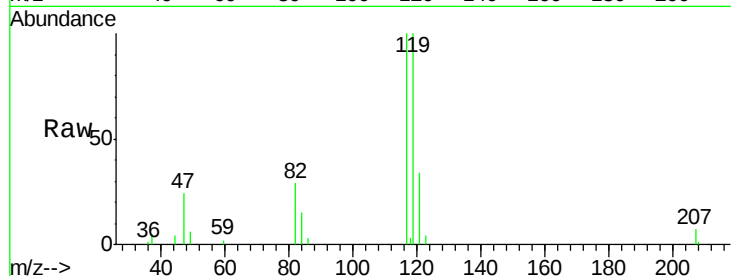
VSTD00541

Tgt Ion:117 Resp: 20961

Ion Ratio Lower Upper

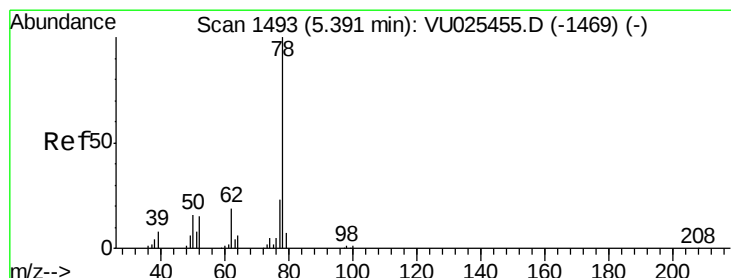
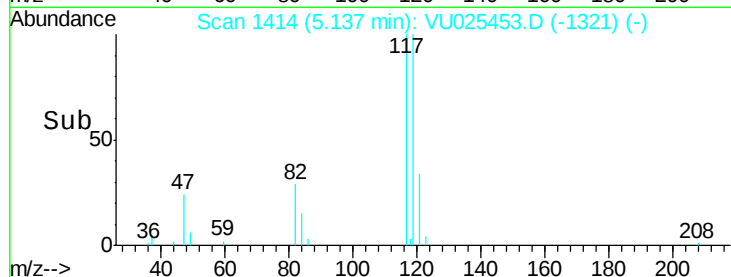
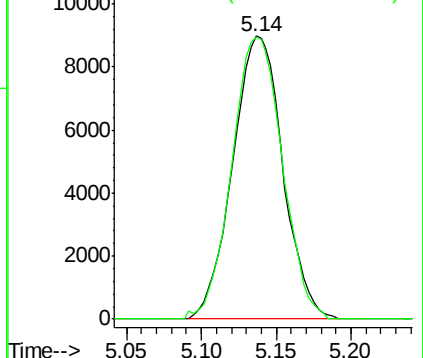
117 100

119 99.8 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.720 ug/L

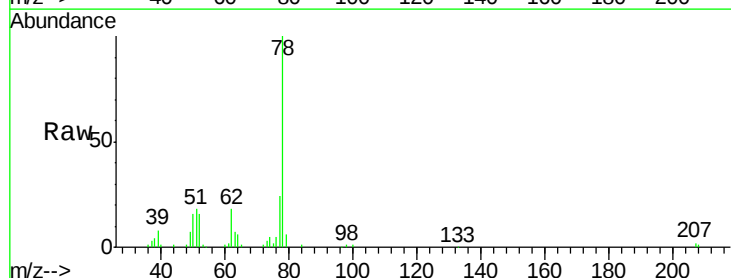
RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

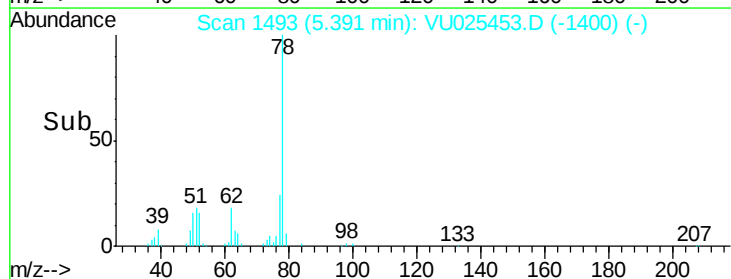
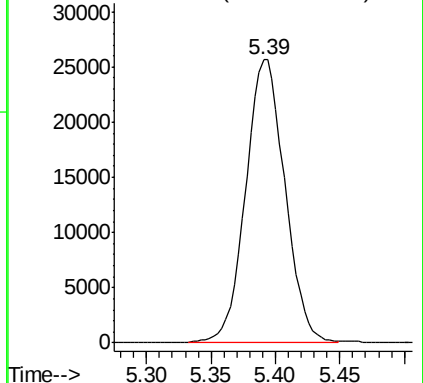
Lab File: VU025453.D

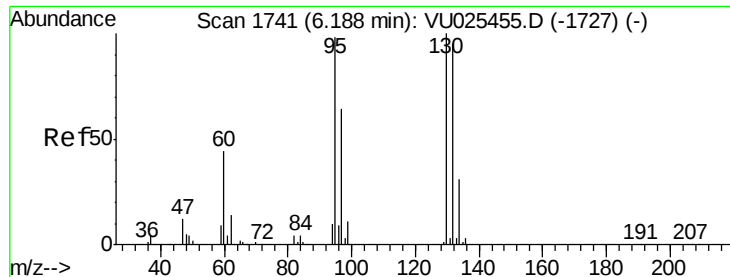
Acq: 17 Jul 2018 10:52

Tgt Ion: 78 Resp: 54698



Abundance Ion 78.00 (77.70 to 78.70): VU0

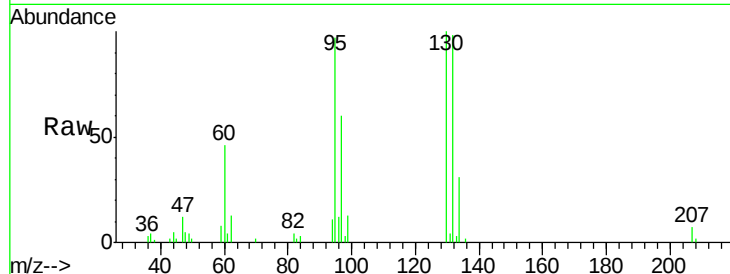




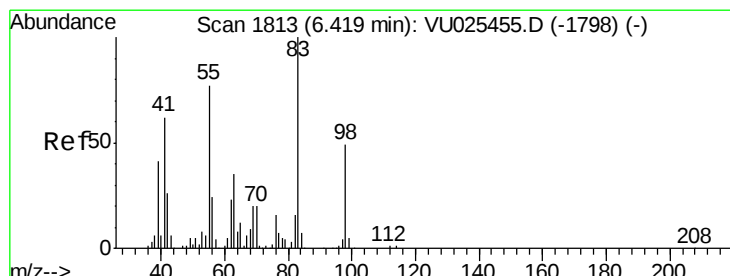
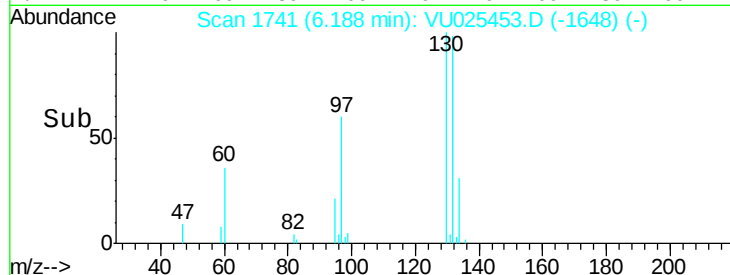
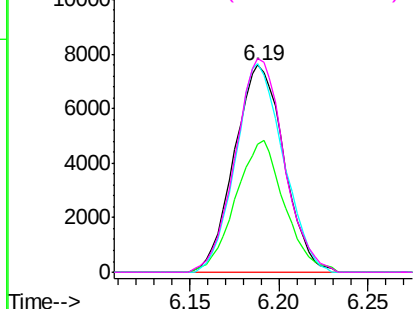
#34
 Trichloroethene
 Concen: 5.813 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Tgt Ion:	95	Resp:	14716
Ion	Ratio	Lower	Upper
95	100		
97	61.8	45.9	85.3
132	100.8	68.2	126.6
130	103.3	71.8	133.4

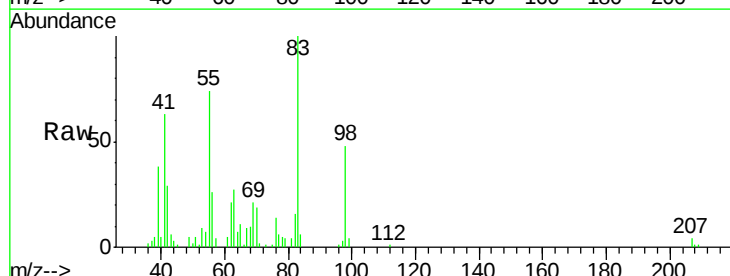


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

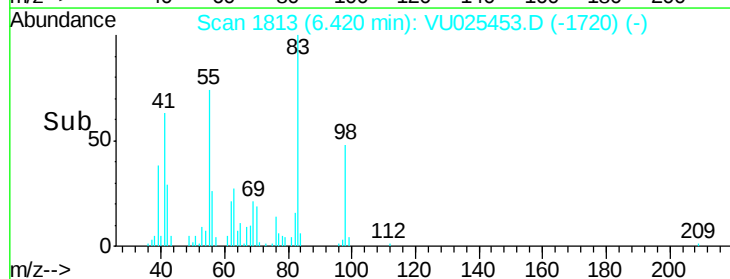
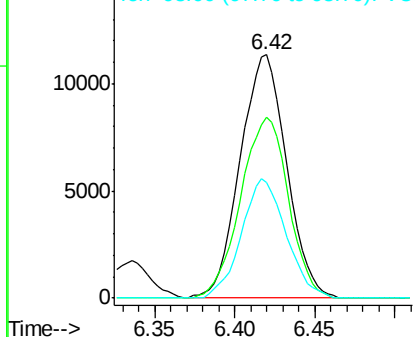


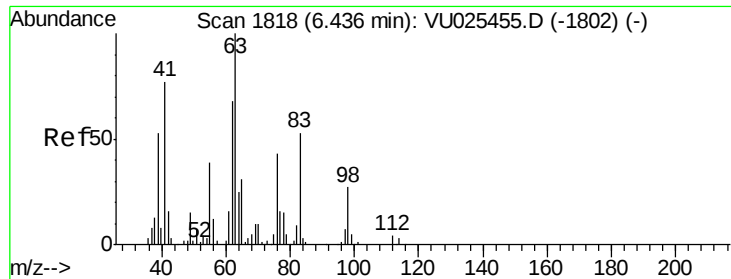
#35
 Methylcyclohexane
 Concen: 5.879 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion:	83	Resp:	22598
Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.8	92.8
98	47.0	38.7	58.1



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

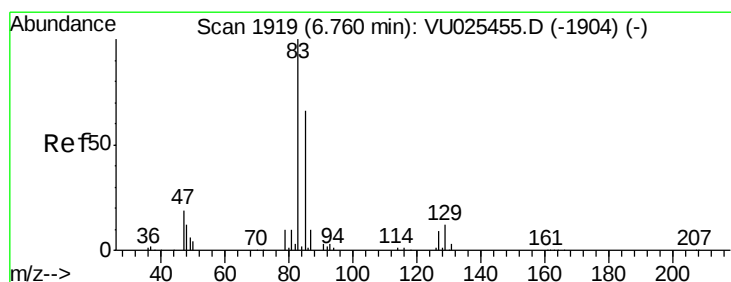
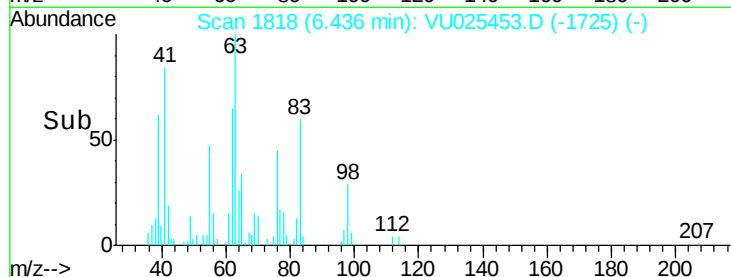
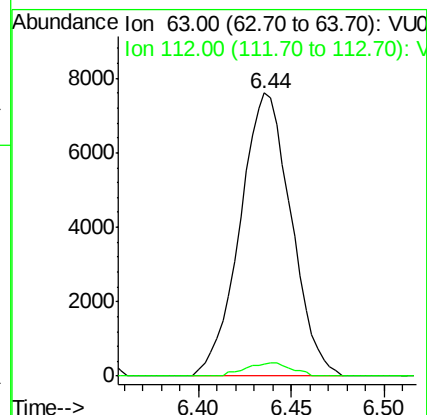
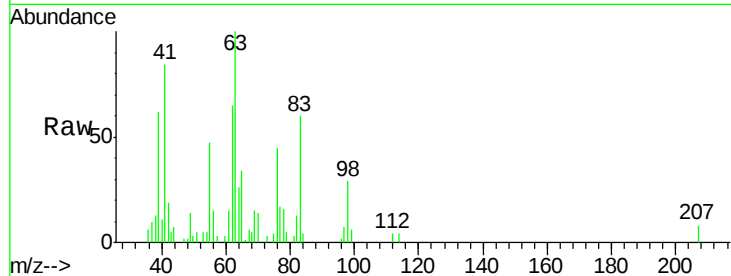




#37
 1,2-Dichloropropane
 Concen: 5.518 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

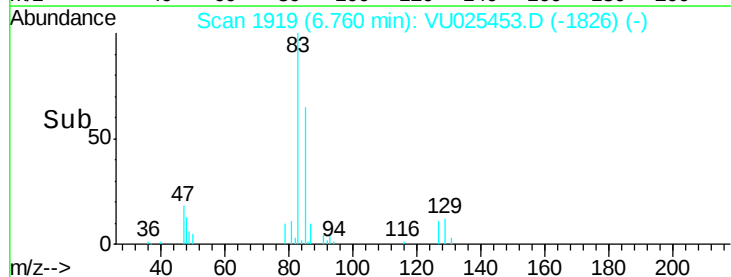
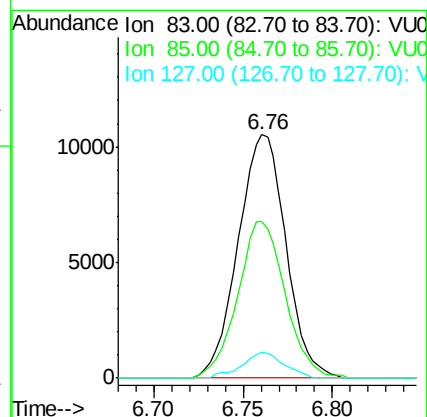
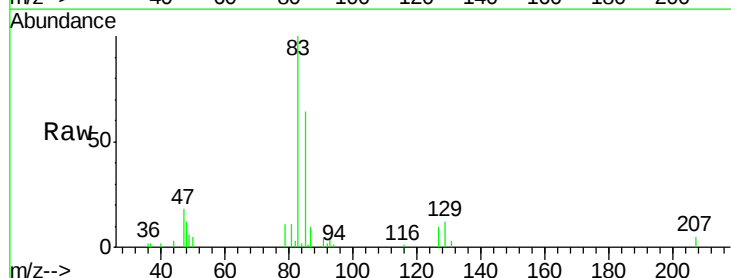
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

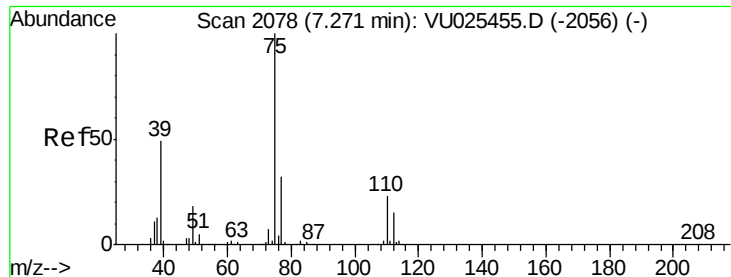
Tgt Ion: 63 Resp: 14558
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.529 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion: 83 Resp: 19694
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.8 85.2
 127 10.4 7.3 10.9

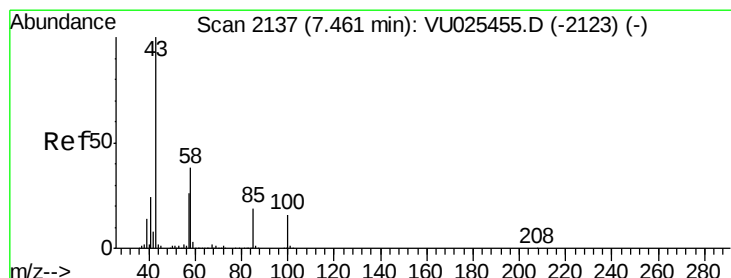
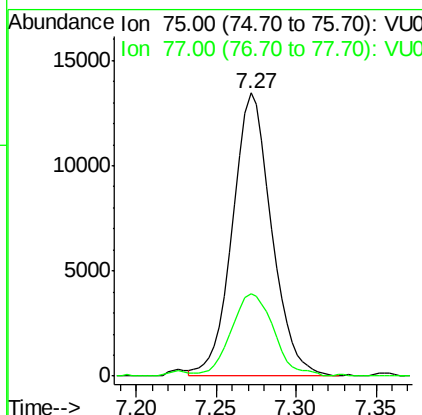
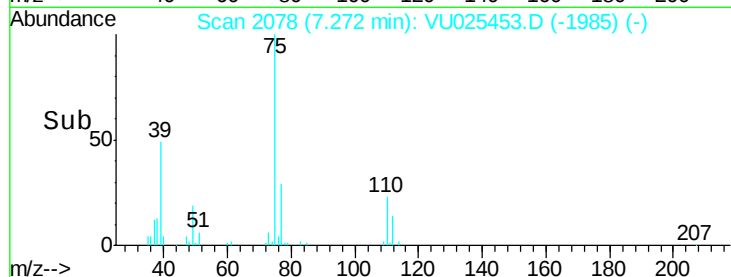
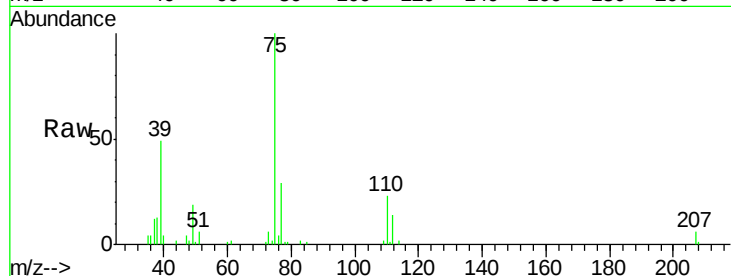




#39
 cis-1,3-Dichloropropene
 Concen: 5.486 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

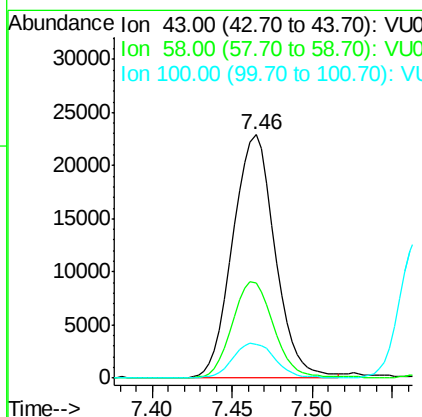
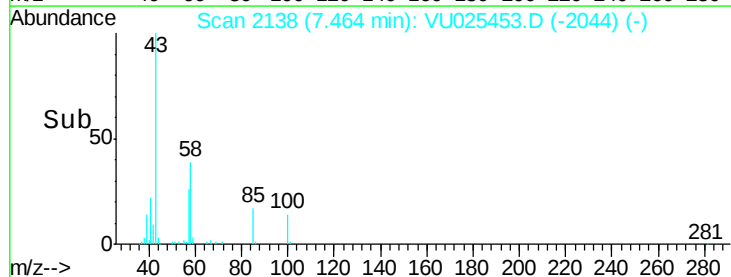
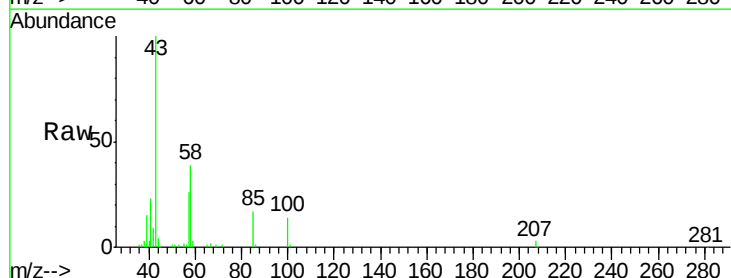
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

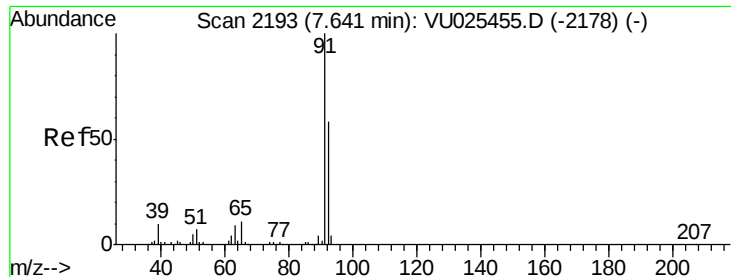
Tgt Ion: 75 Resp: 22424
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 10.815 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion: 43 Resp: 41381
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.9 46.3
 100 14.2 12.4 18.6





#42

Toluene

Concen: 5.519 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

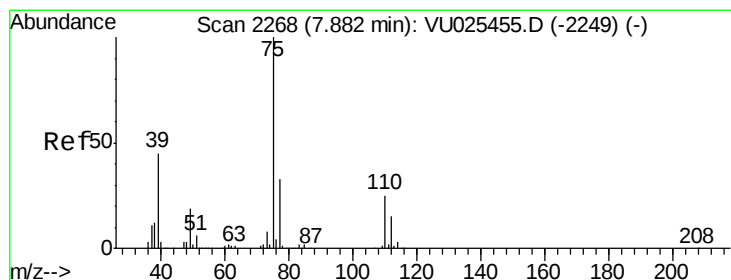
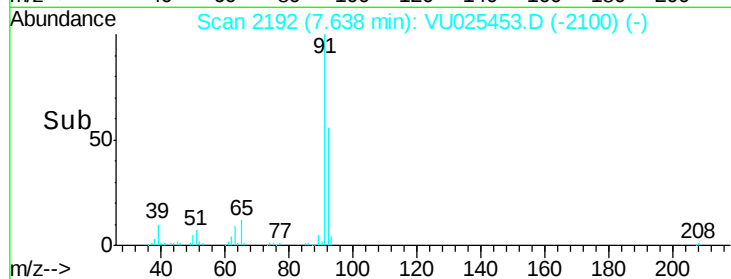
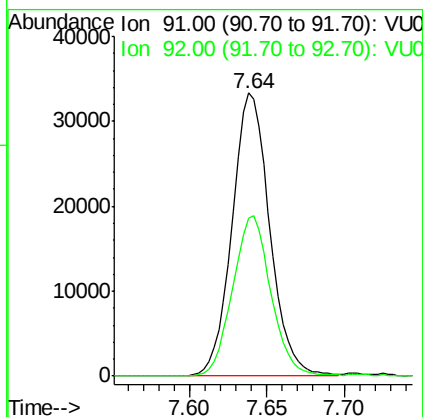
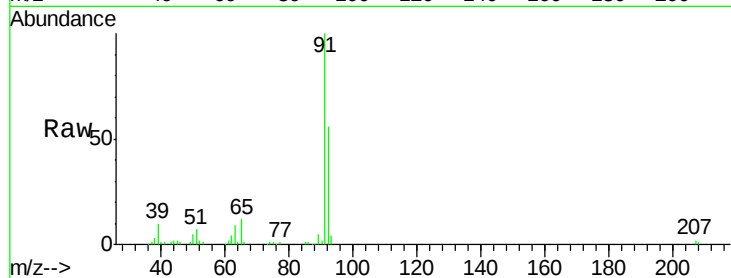
VSTD00541

Tgt Ion: 91 Resp: 56274

Ion Ratio Lower Upper

91 100

92 56.0 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.359 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025453.D

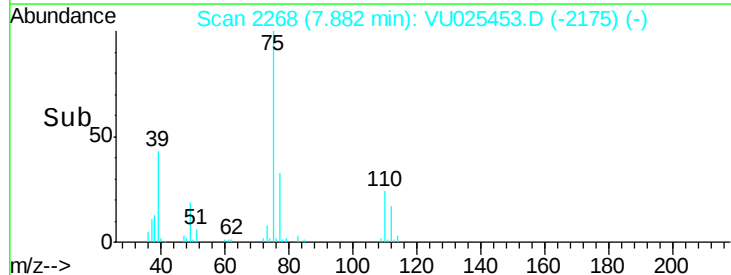
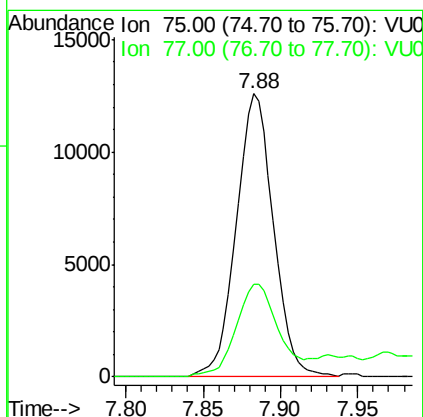
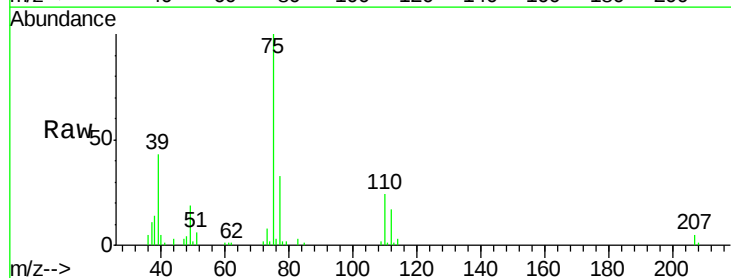
Acq: 17 Jul 2018 10:52

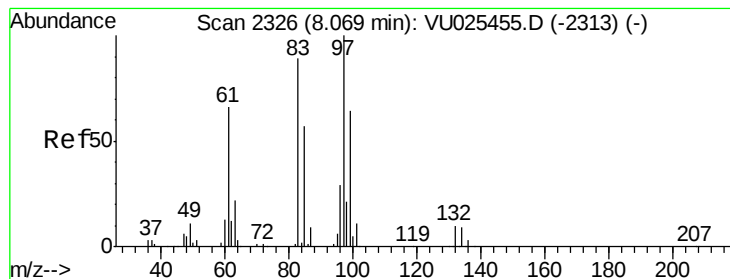
Tgt Ion: 75 Resp: 21028

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 5.532 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

Tgt Ion: 97 Resp: 13837

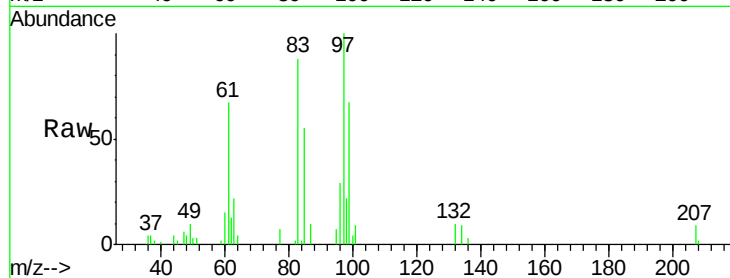
Ion Ratio Lower Upper

97 100

99 66.8 44.7 83.1

83 87.9 62.0 115.2

85 54.6 39.6 73.6

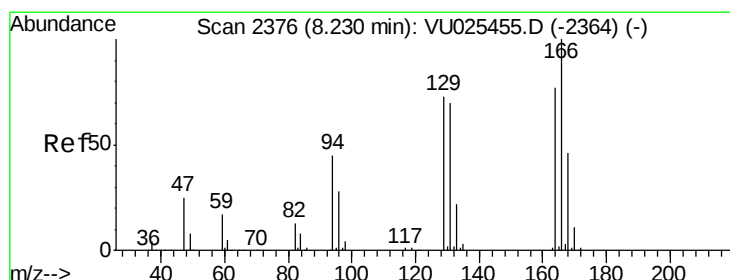
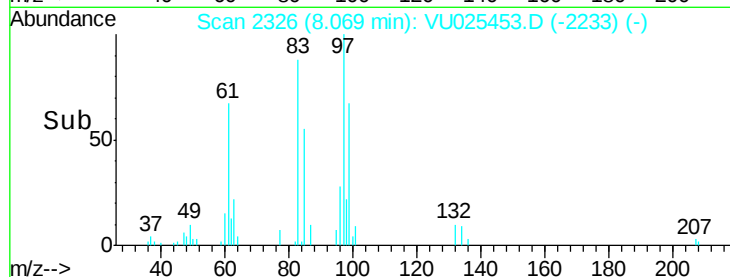
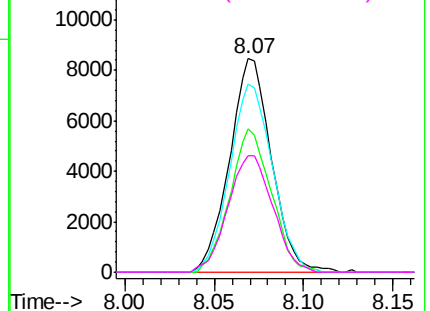


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 5.791 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Tgt Ion: 164 Resp: 12229

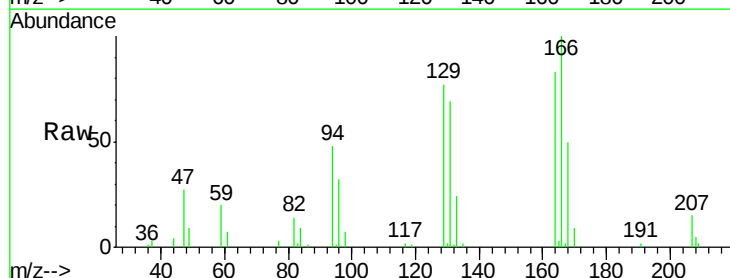
Ion Ratio Lower Upper

164 100

129 92.8 66.5 123.5

131 83.7 63.7 118.3

166 120.6 90.8 168.6

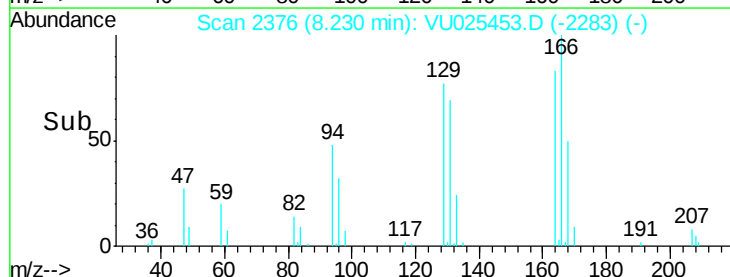
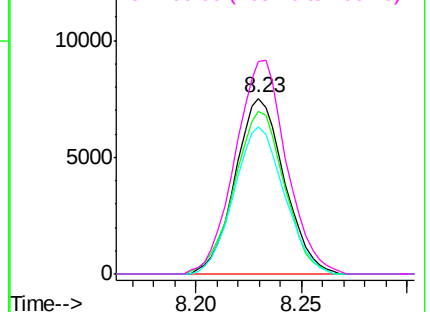


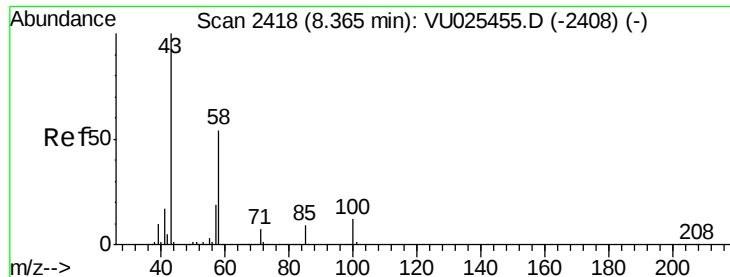
Abundance Ion 164.00 (163.70 to 164.70): V

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

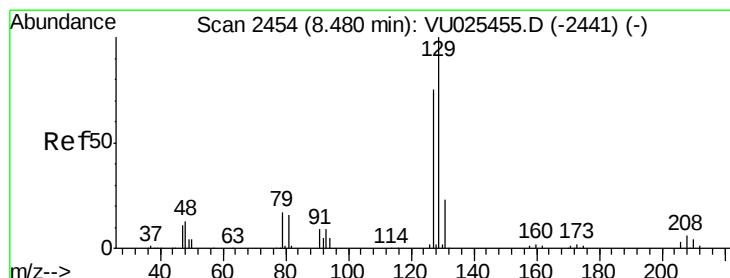
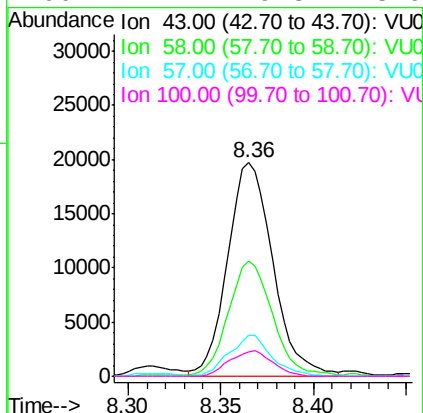
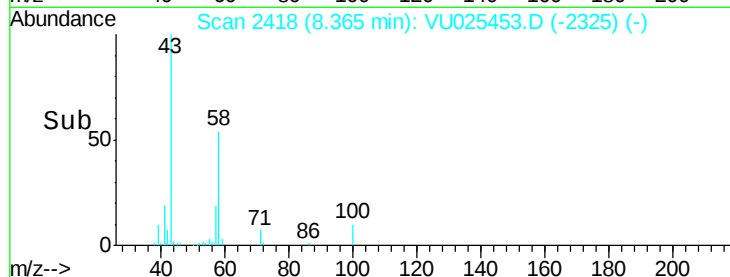
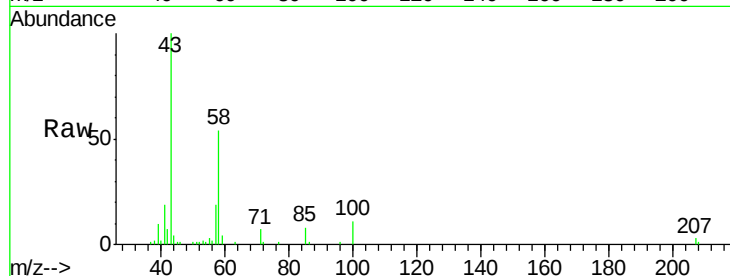




#48
2-Hexanone
Concen: 10.974 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025453.D
Acq: 17 Jul 2018 10:52

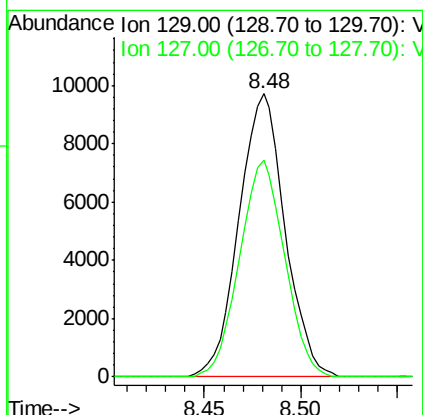
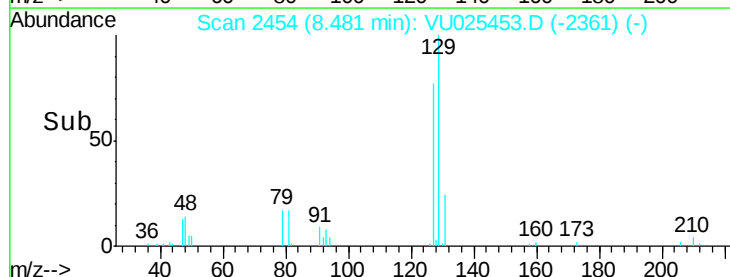
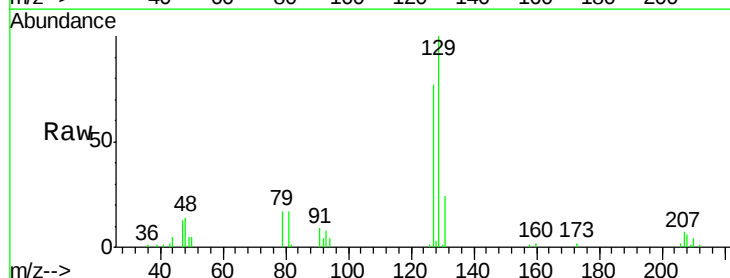
Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

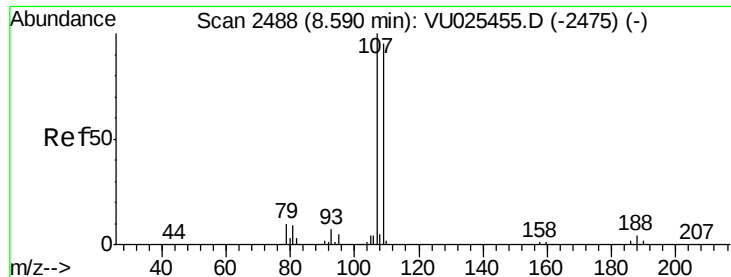
Tgt Ion: 43 Resp: 33545
Ion Ratio Lower Upper
43 100
58 52.7 42.3 63.5
57 18.2 15.6 23.4
100 11.2 9.3 13.9



#49
Dibromochloromethane
Concen: 5.313 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025453.D
Acq: 17 Jul 2018 10:52

Tgt Ion: 129 Resp: 16088
Ion Ratio Lower Upper
129 100
127 76.6 52.4 97.2

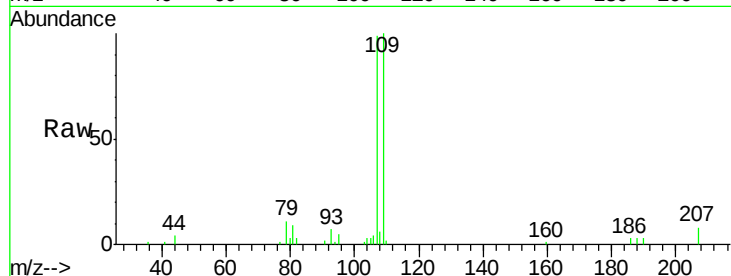




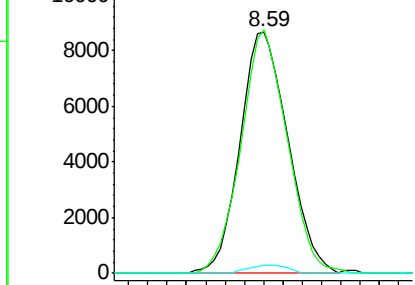
#50
1,2-Dibromoethane
Concen: 5.396 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025453.D
Acq: 17 Jul 2018 10:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00541

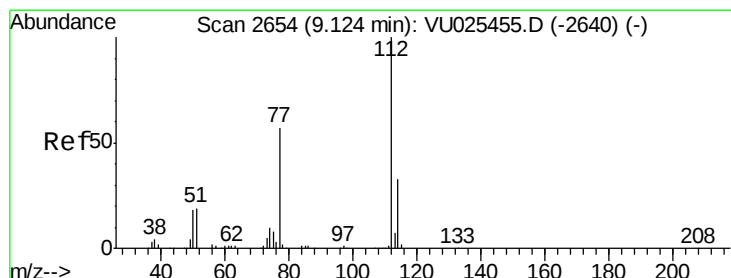
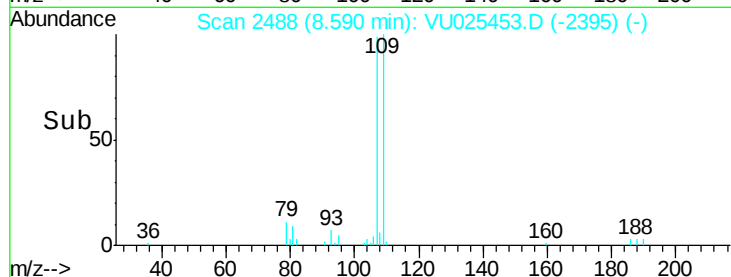
Tgt Ion:107 Resp: 14896
Ion Ratio Lower Upper
107 100
109 100.8 66.5 123.5
188 3.3 3.4 5.0#



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

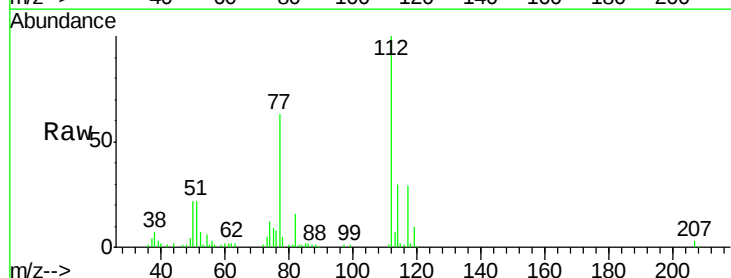


Time-->

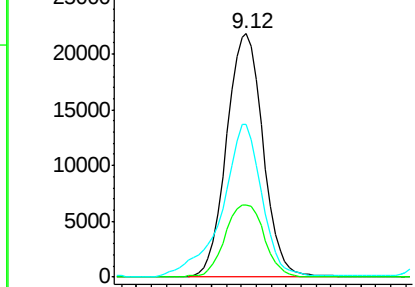


#51
Chlorobenzene
Concen: 5.422 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025453.D
Acq: 17 Jul 2018 10:52

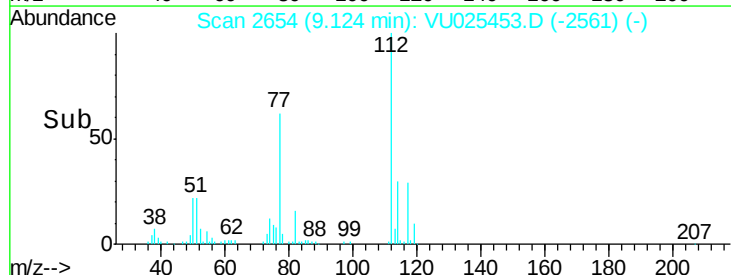
Tgt Ion:112 Resp: 37098
Ion Ratio Lower Upper
112 100
114 29.8 22.8 42.4
77 62.9 45.8 68.8

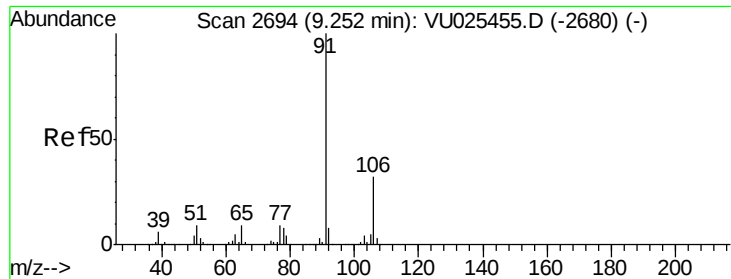


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 5.530 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

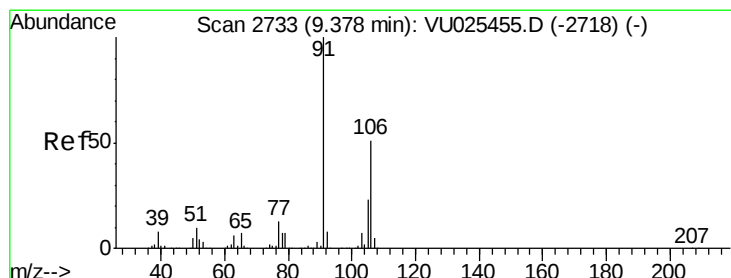
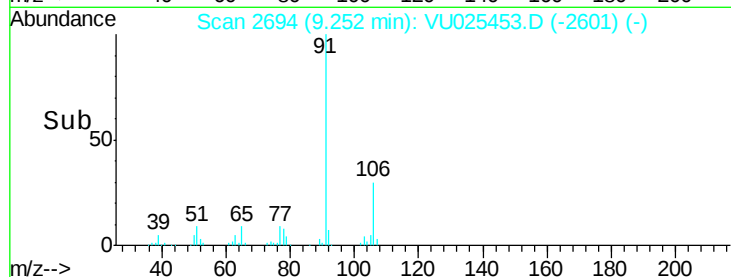
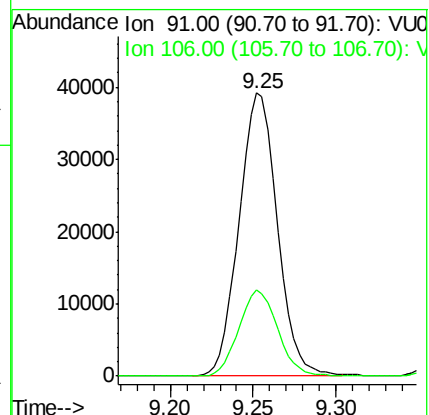
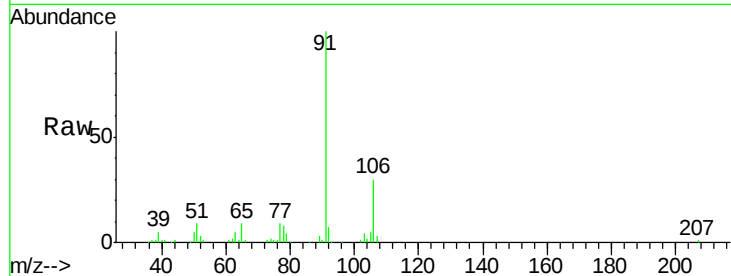
VSTD00541

Tgt Ion: 91 Resp: 62951

Ion Ratio Lower Upper

91 100

106 30.4 22.4 41.6



#53

m,p-Xylene

Concen: 5.440 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025453.D

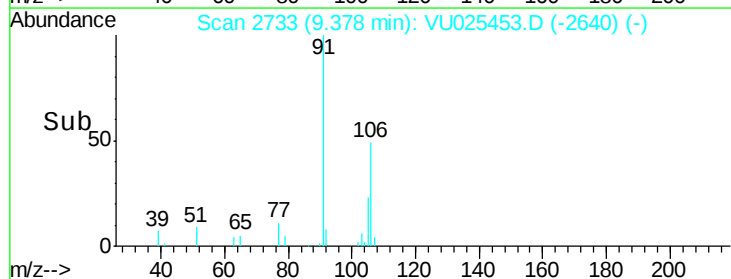
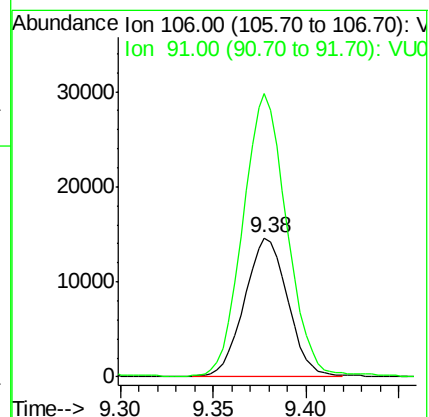
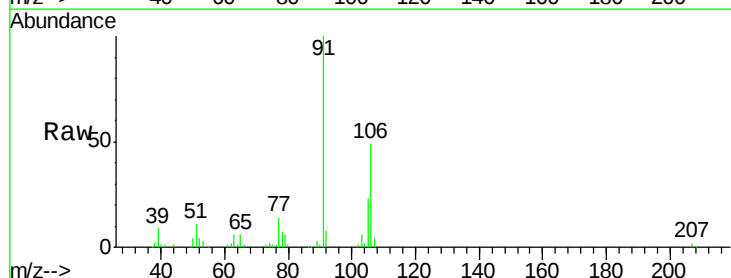
Acq: 17 Jul 2018 10:52

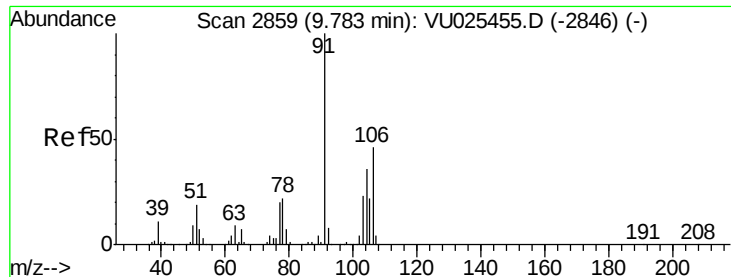
Tgt Ion: 106 Resp: 23733

Ion Ratio Lower Upper

106 100

91 203.7 138.6 257.4





#54

o-xylene

Concen: 5.438 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

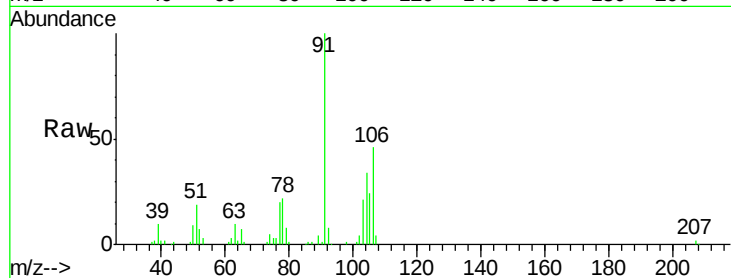
VSTD00541

Tgt Ion:106 Resp: 23933

Ion Ratio Lower Upper

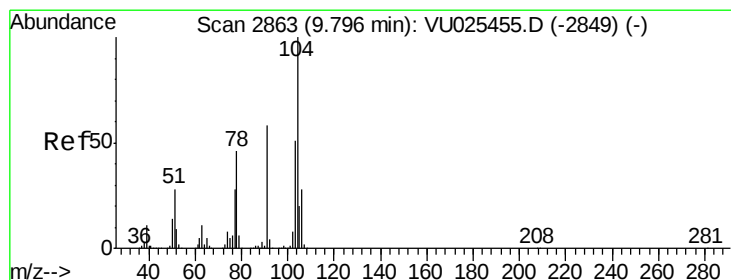
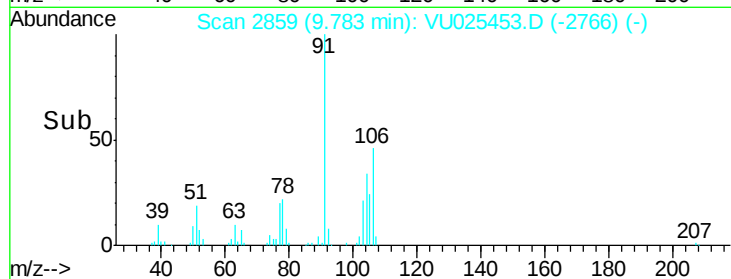
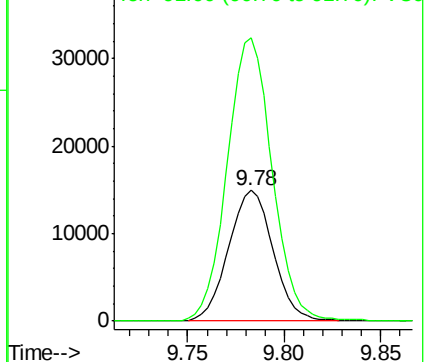
106 100

91 217.0 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 5.182 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025453.D

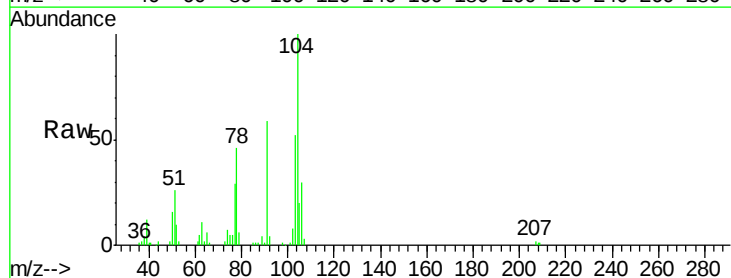
Acq: 17 Jul 2018 10:52

Tgt Ion:104 Resp: 37672

Ion Ratio Lower Upper

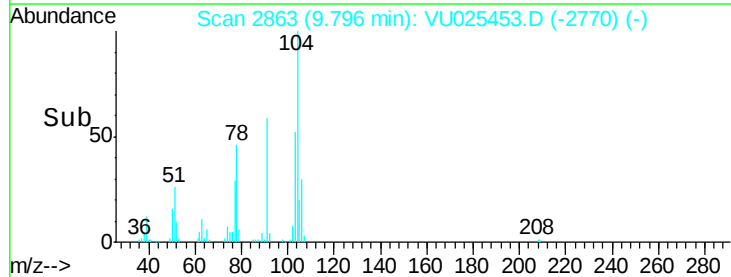
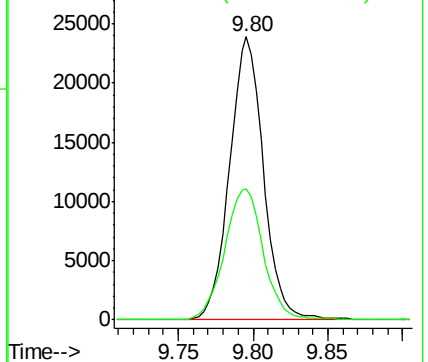
104 100

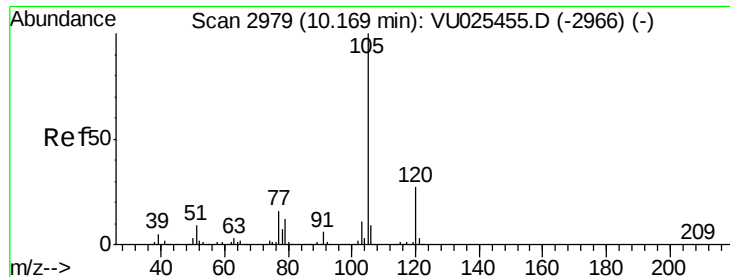
78 46.4 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 5.406 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

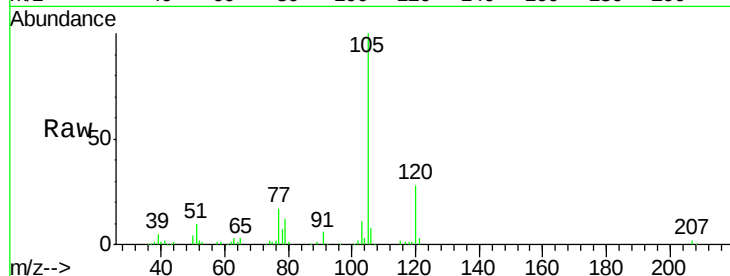
Tgt Ion: 105 Resp: 61618

Ion Ratio Lower Upper

105 100

120 27.4 21.6 32.4

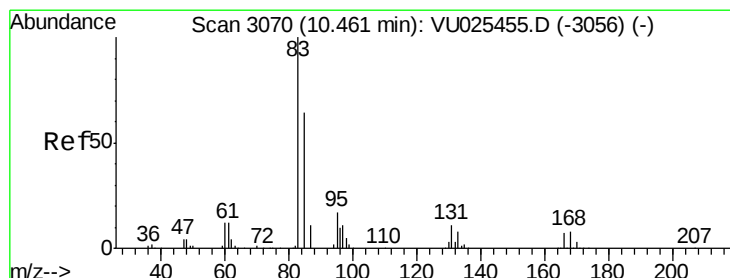
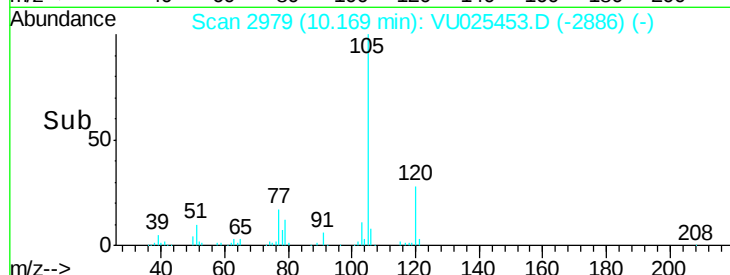
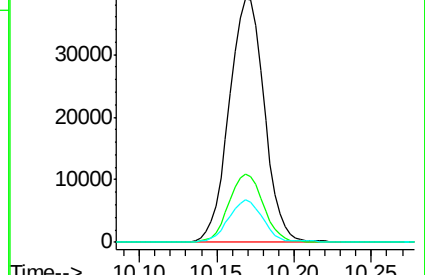
77 17.0 12.6 19.0



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: 5.592 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

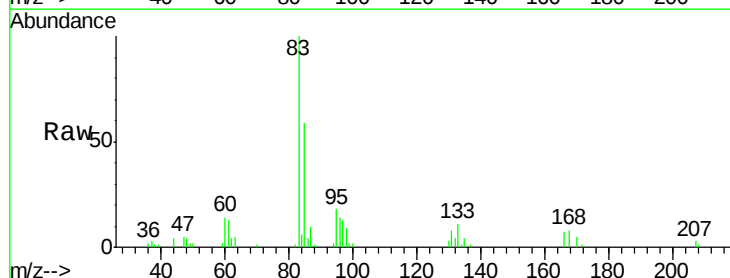
Tgt Ion: 83 Resp: 24081

Ion Ratio Lower Upper

83 100

85 59.0 44.9 83.5

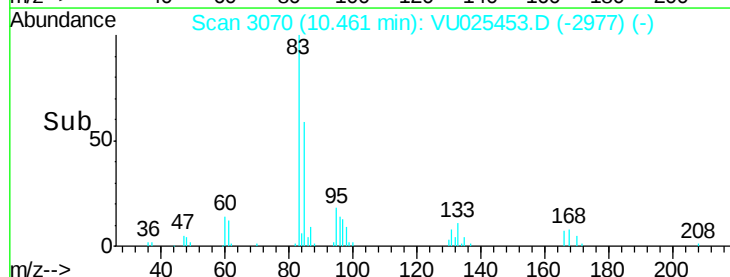
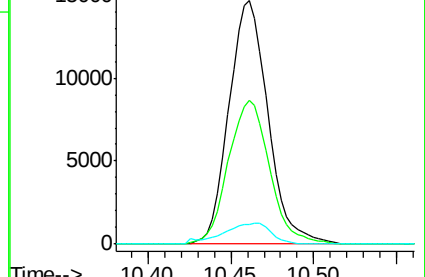
131 8.3 8.9 13.3#

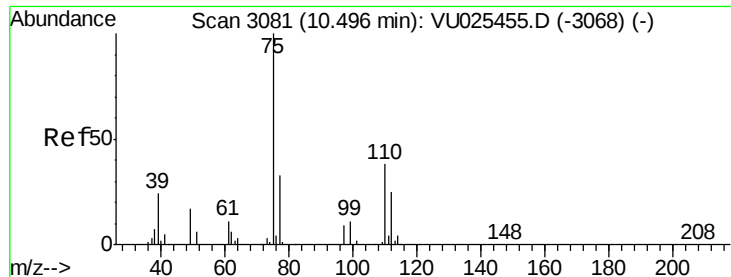


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

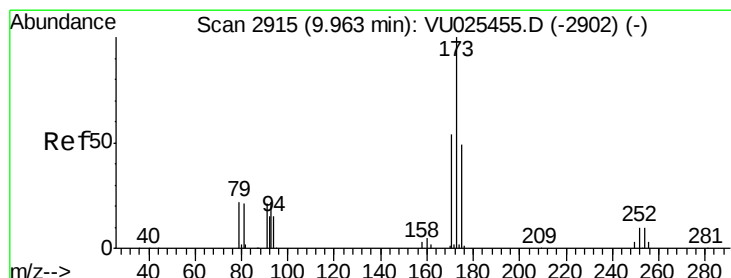
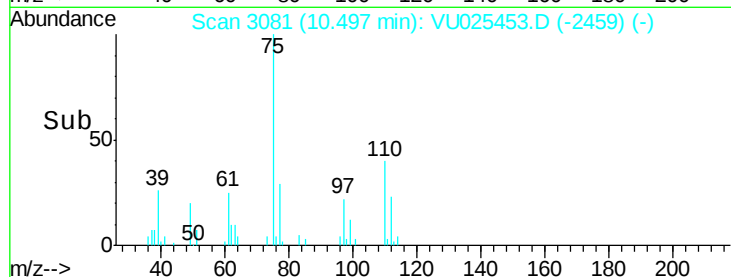
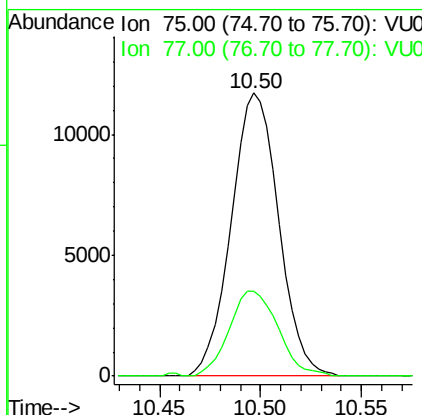
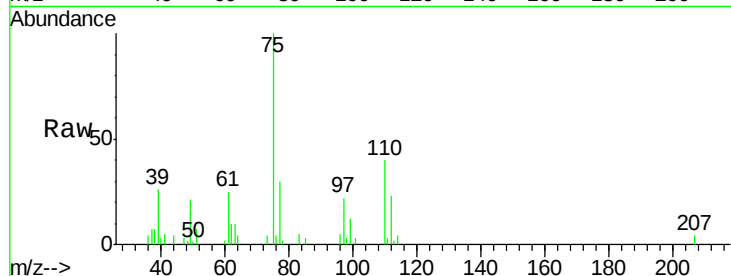




#59
 1,2,3-Trichloropropane
 Concen: 5.512 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

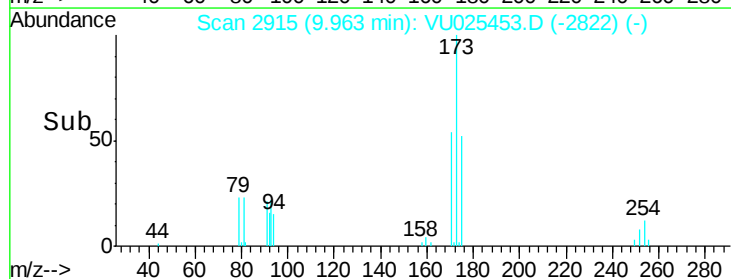
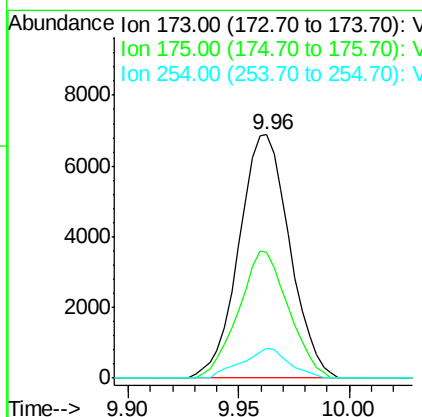
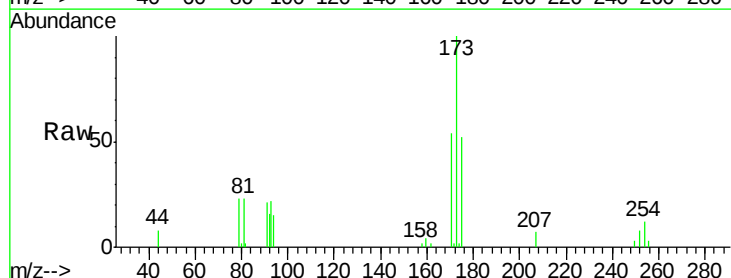
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

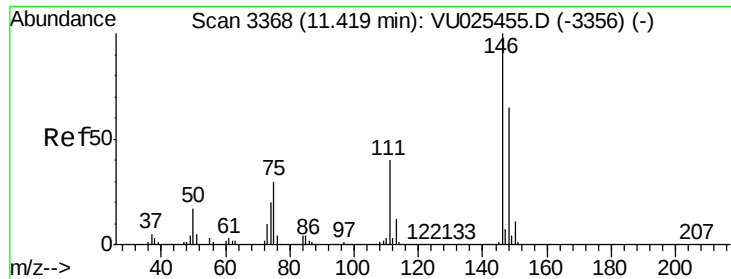
Tgt Ion: 75 Resp: 19337
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.2



#61
 Bromoform
 Concen: 5.138 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion: 173 Resp: 11005
 Ion Ratio Lower Upper
 173 100
 175 51.3 39.1 58.7
 254 11.3 7.3 10.9#

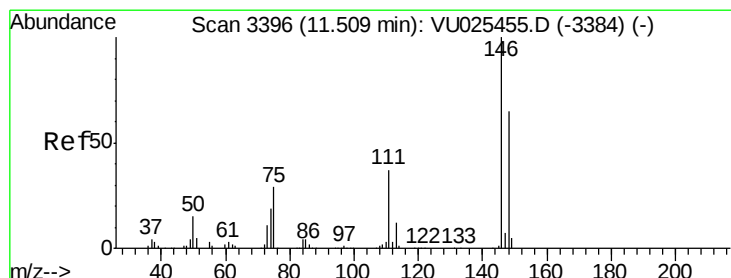
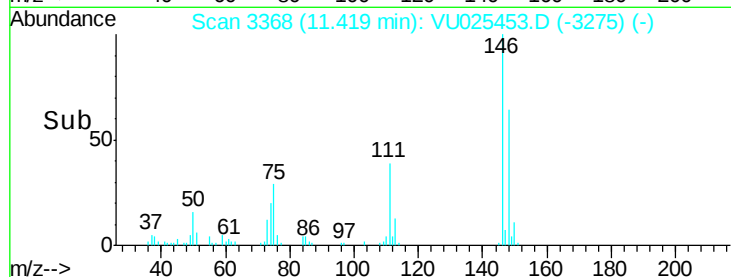
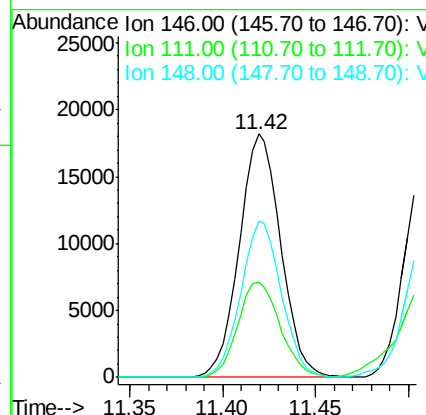
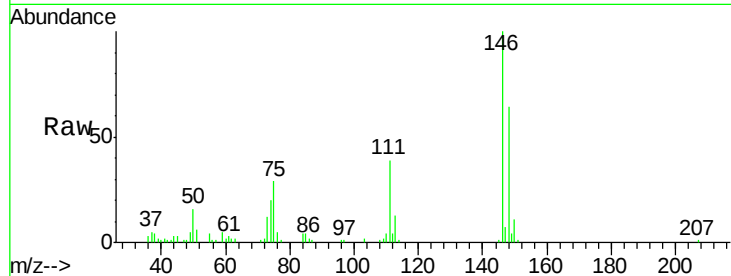




#62
 1,3-Dichlorobenzene
 Concen: 5.599 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

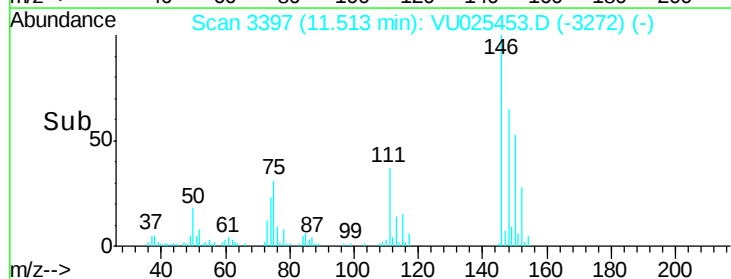
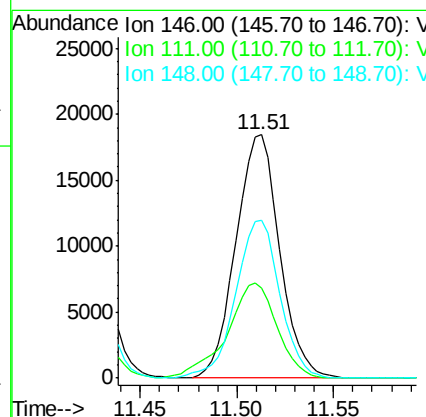
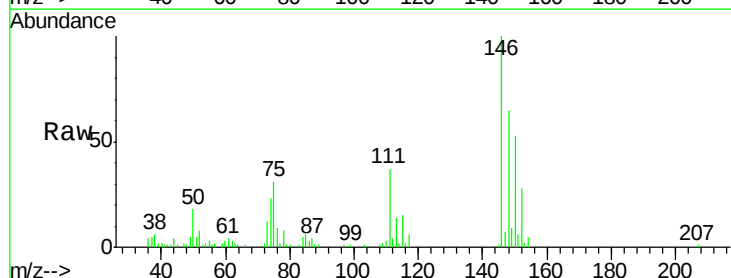
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

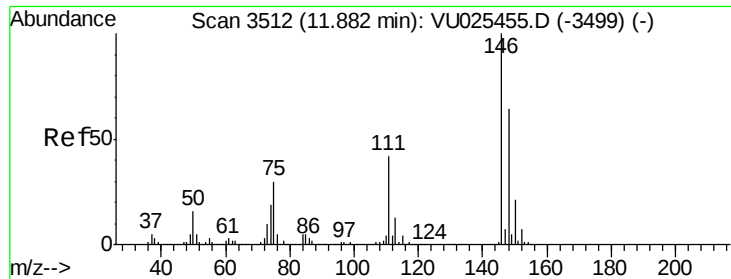
Tgt Ion:146 Resp: 28179
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.1 52.3
 148 64.1 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.700 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion:146 Resp: 28987
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.4 49.0
 148 65.0 45.6 84.8





#65

1,2-Dichlorobenzene

Concen: 5.685 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

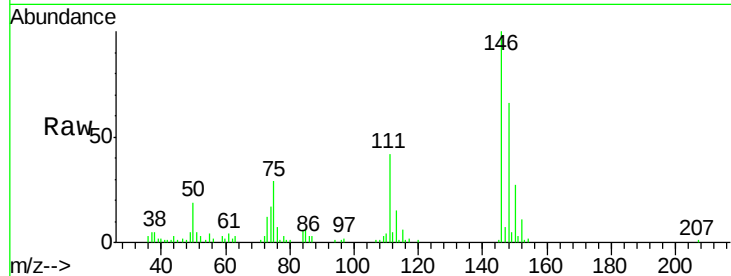
Tgt Ion:146 Resp: 30207

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.6

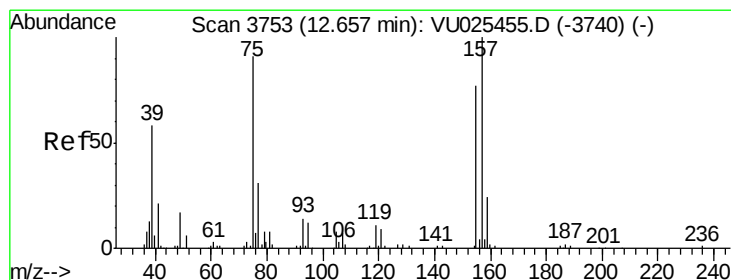
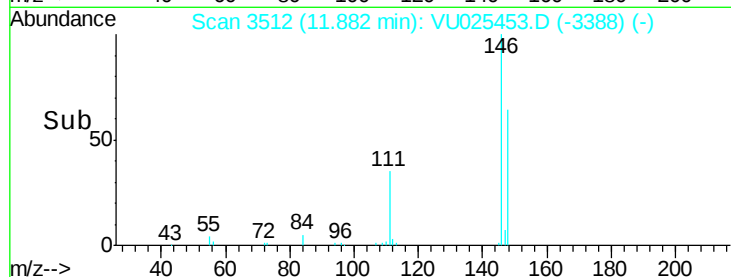
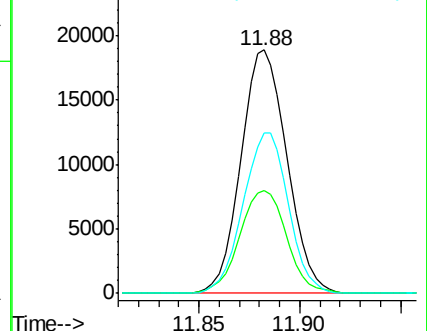
148 66.1 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.718 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

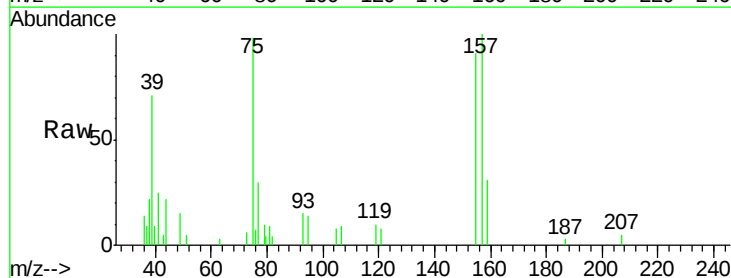
Tgt Ion: 75 Resp: 5686

Ion Ratio Lower Upper

75 100

155 93.0 67.4 101.0

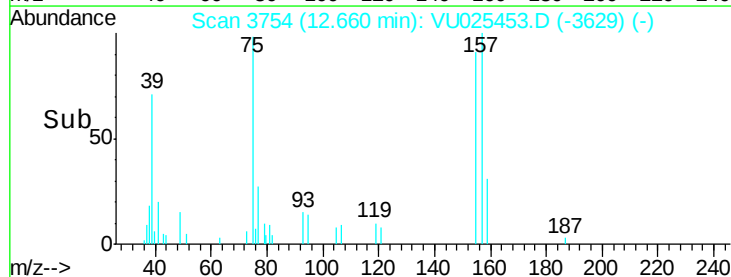
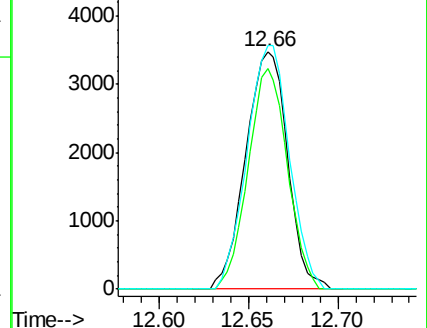
157 102.4 87.9 131.9

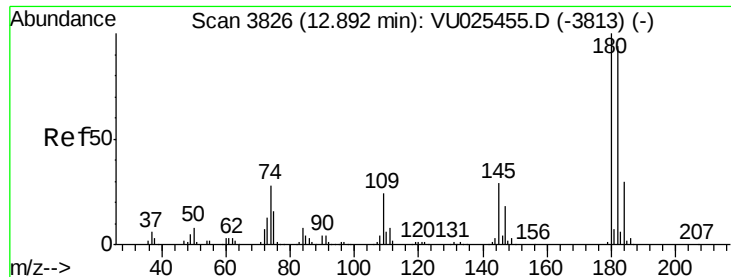


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

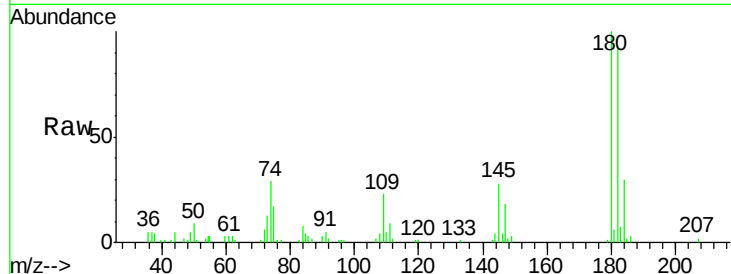




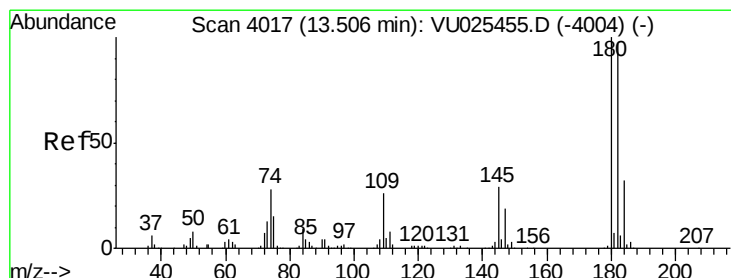
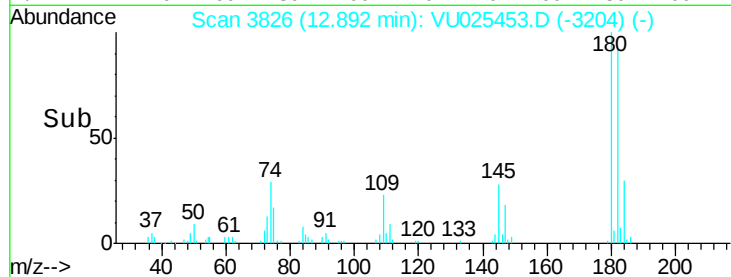
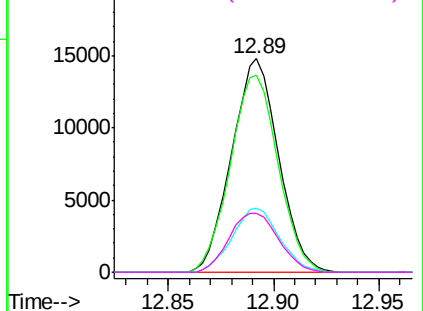
#67
 1,3,5-Trichlorobenzene
 Concen: 5.905 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00541

Tgt Ion:180 Resp: 22841
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.1 112.7
 184 30.1 24.6 36.8
 145 29.2 23.1 34.7

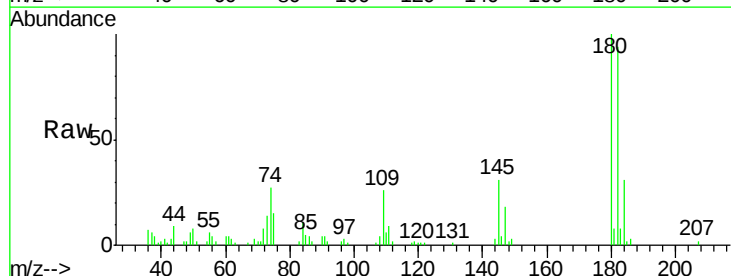


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

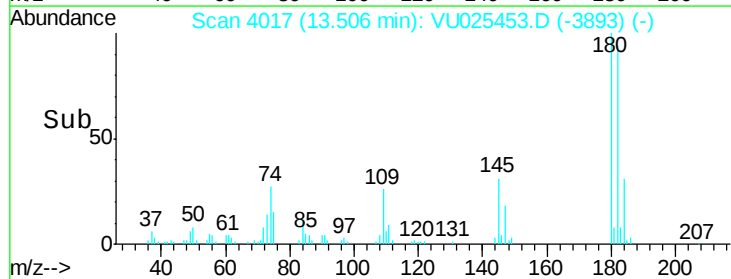
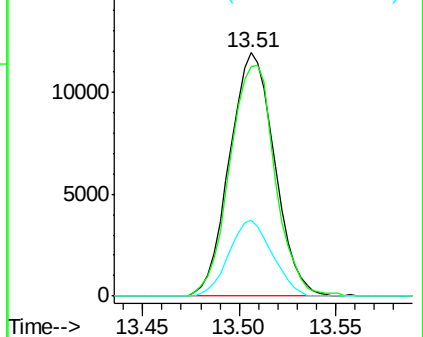


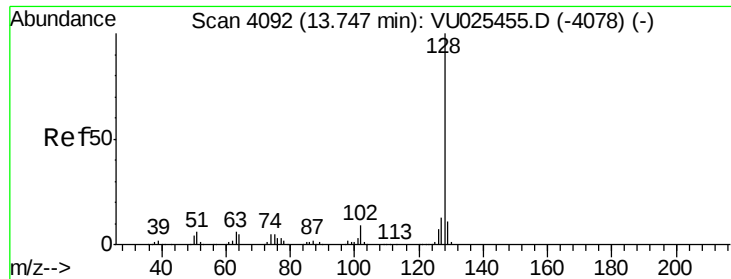
#68
 1,2,4-trichlorobenzene
 Concen: 5.611 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025453.D
 Acq: 17 Jul 2018 10:52

Tgt Ion:180 Resp: 19355
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 115.0
 145 29.8 23.4 35.2



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: 5.385 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00541

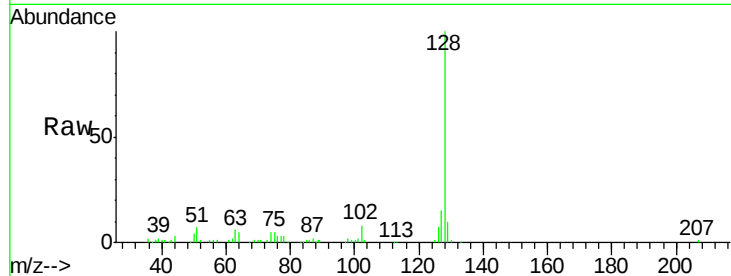
Tgt Ion:128 Resp: 64269

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

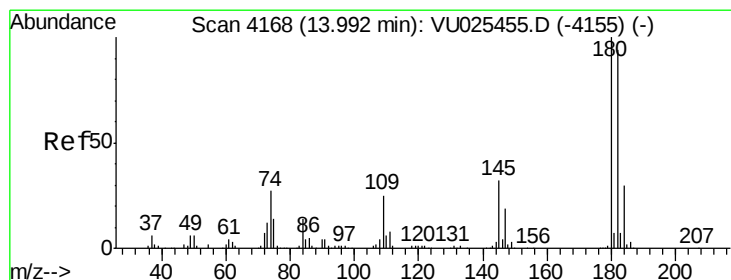
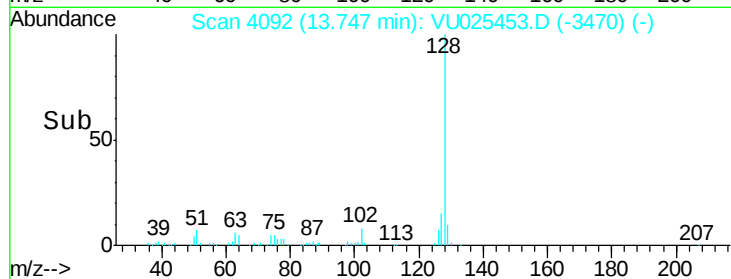
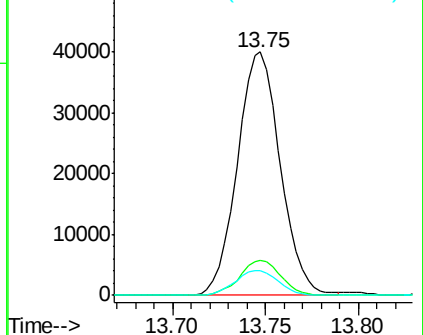
129 10.3 8.9 13.3



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: 5.689 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025453.D

Acq: 17 Jul 2018 10:52

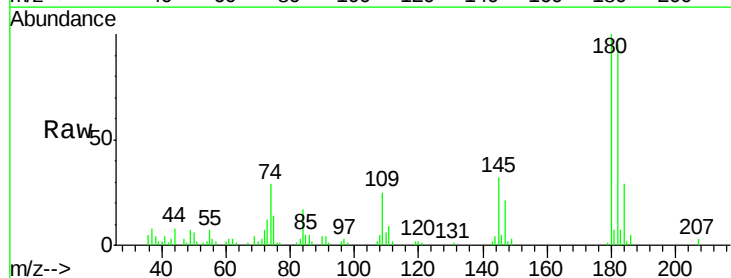
Tgt Ion:180 Resp: 21162

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

145 31.4 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

