

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
 Data File : VU025456.D
 Acq On : 17 Jul 2018 12:43
 Operator : MD/SY
 Sample : VSTD10044
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

Quant Time: Jul 18 05:26:07 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	367098	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	344174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	185516	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	169633	97.99	ug/L	0.00
7) Chloroethane-d5	1.67	69	142183	96.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	356603	93.81	ug/L	0.00
21) 2-Butanone-d5	4.18	46	357551	194.10	ug/L	0.00
24) Chloroform-d	4.65	84	438952	97.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	290221	94.96	ug/L	0.00
32) Benzene-d6	5.35	84	810469	97.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	264796	96.14	ug/L	0.00
41) Toluene-d8	7.57	98	797086	99.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	144218	100.58	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	286430	200.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	410835	100.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	355162	95.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	277139	91.763	ug/L 100
3) Chloromethane	1.33	50	244037	91.308	ug/L 98
5) Vinyl chloride	1.40	62	244074	90.825	ug/L 97
6) Bromomethane	1.62	94	148647	101.490	ug/L 99
8) Chloroethane	1.69	64	146717	91.232	ug/L 98
9) Trichlorofluoromethane	1.89	101	360046	91.136	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	196741	91.723	ug/L 100
12) 1,1-Dichloroethene	2.28	96	180500	90.716	ug/L 90
13) Acetone	2.32	43	268785	165.713	ug/L 99
14) Carbon disulfide	2.48	76	591321	91.971	ug/L 99
15) Methyl Acetate	2.62	43	267093	89.843	ug/L 98
16) Methylene chloride	2.70	84	233758	89.836	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	216796	92.116	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	766363	91.900	ug/L 99
19) 1,1-Dichloroethane	3.45	63	426393	90.568	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	254801	88.426	ug/L 100
22) 2-Butanone	4.26	43	400131	180.711	ug/L 100
23) Bromochloromethane	4.55	128	133050	92.123	ug/L 99
25) Chloroform	4.68	83	447740	90.506	ug/L 98
27) 1,2-Dichloroethane	5.41	62	373463	90.905	ug/L 99
29) Cyclohexane	5.00	56	368688	93.025	ug/L 99
30) 1,1,1-Trichloroethane	4.92	97	410933	89.721	ug/L 100
31) Carbon tetrachloride	5.14	117	371891	92.426	ug/L 100
33) Benzene	5.39	78	922621	90.612	ug/L 100
34) Trichloroethene	6.19	95	244304	90.638	ug/L 98
35) Methylcyclohexane	6.42	83	389114	95.084	ug/L 100
37) 1,2-Dichloropropane	6.44	63	257371	91.630	ug/L 100
38) Bromodichloromethane	6.76	83	345749	91.166	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	408853	93.946	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	753074	184.863	ug/L 100

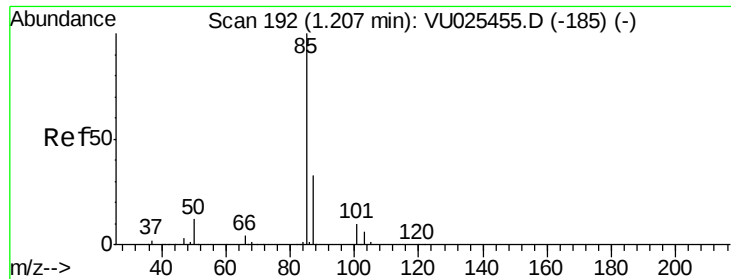
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071718\
 Data File : VU025456.D
 Acq On : 17 Jul 2018 12:43
 Operator : MD/SY
 Sample : VSTD10044
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

Quant Time: Jul 18 05:26:07 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)
42) Toluene	7.64	91	1012806	93.288	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	398713	95.434	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	246816	92.680	ug/L	98
46) Tetrachloroethene	8.23	164	211819	94.203	ug/L	97
48) 2-Hexanone	8.36	43	596678	183.329	ug/L	99
49) Dibromochloromethane	8.48	129	307045	95.242	ug/L	97
50) 1,2-Dibromoethane	8.59	107	274350	93.335	ug/L	99
51) Chlorobenzene	9.12	112	687637	94.394	ug/L	98
52) Ethylbenzene	9.25	91	1151980	95.054	ug/L	100
53) m,p-Xylene	9.38	106	446032	96.022	ug/L	97
54) o-xylene	9.78	106	448607	95.731	ug/L	96
55) Styrene	9.80	104	764450	98.769	ug/L	100
56) Isopropylbenzene	10.17	105	1172879	96.648	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	422644	92.180	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	343719	92.021	ug/L	99
61) Bromoform	9.96	173	236435	90.349	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	563546	91.654	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	568095	91.428	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	584570	90.038	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	106581	87.720	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	442082	93.541	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	398976	94.674	ug/L	100
69) Naphthalene	13.74	128	1357880	93.123	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	421962	92.839	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 91.763 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

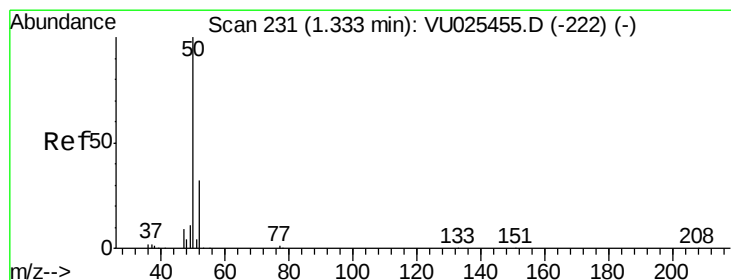
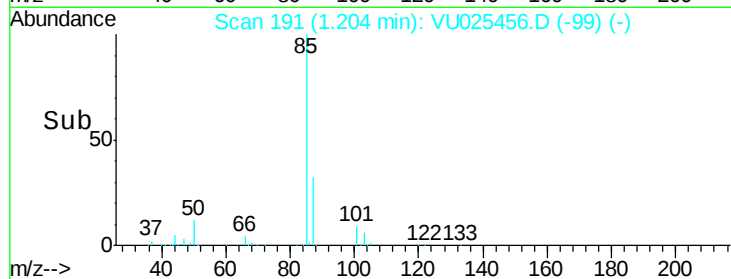
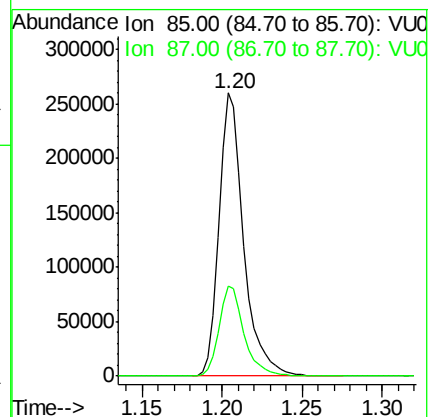
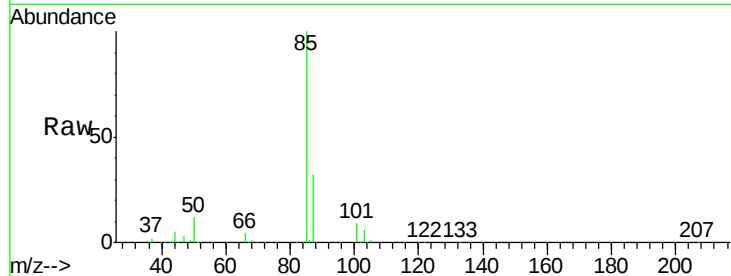
VSTD10044

Tgt Ion: 85 Resp: 277139

Ion Ratio Lower Upper

85 100

87 32.1 25.9 38.9



#3

Chloromethane

Concen: 91.308 ug/L

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU025456.D

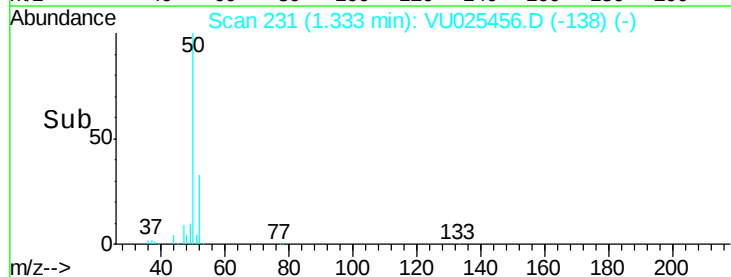
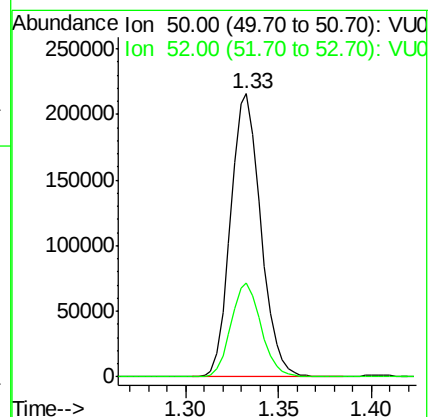
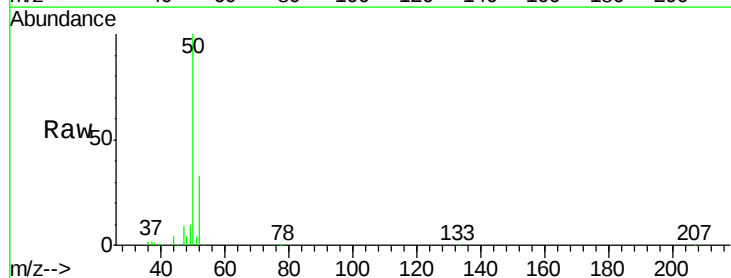
Acq: 17 Jul 2018 12:43

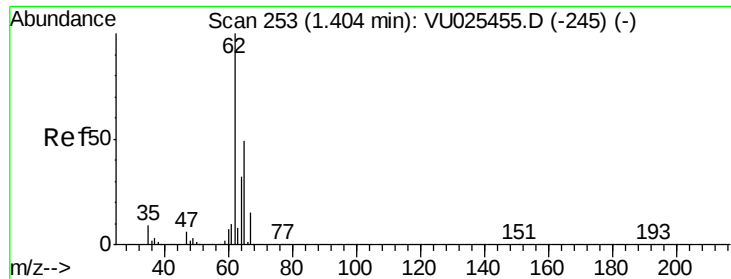
Tgt Ion: 50 Resp: 244037

Ion Ratio Lower Upper

50 100

52 33.1 22.4 41.6





#5

Vinyl chloride

Concen: 90.825 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

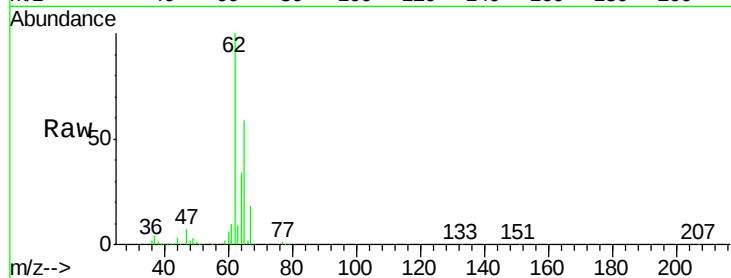
VSTD10044

Tgt Ion: 62 Resp: 244074

Ion Ratio Lower Upper

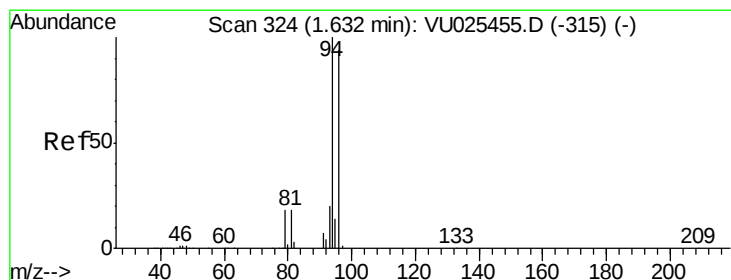
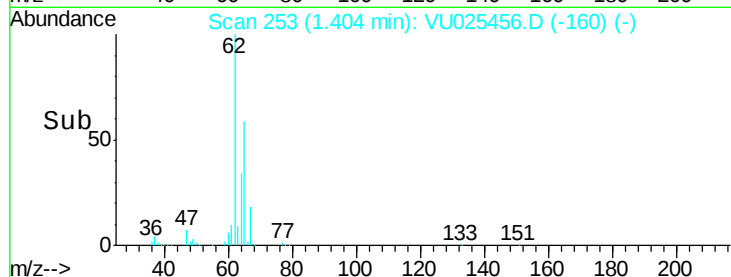
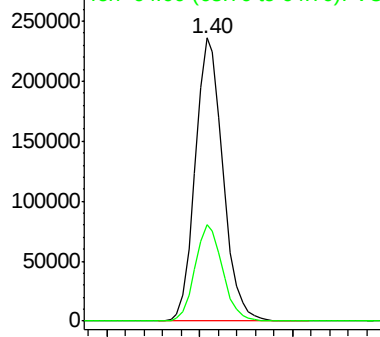
62 100

64 33.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 101.490 ug/L

RT: 1.62 min Scan# 320

Delta R.T. -0.01 min

Lab File: VU025456.D

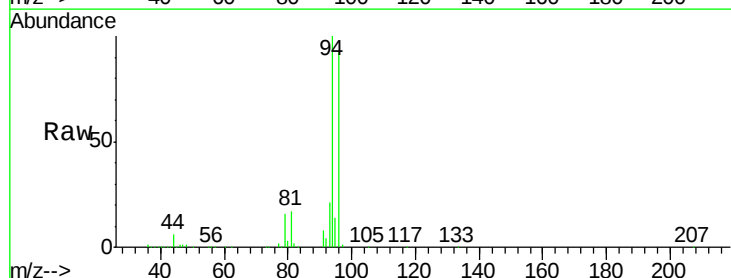
Acq: 17 Jul 2018 12:43

Tgt Ion: 94 Resp: 148647

Ion Ratio Lower Upper

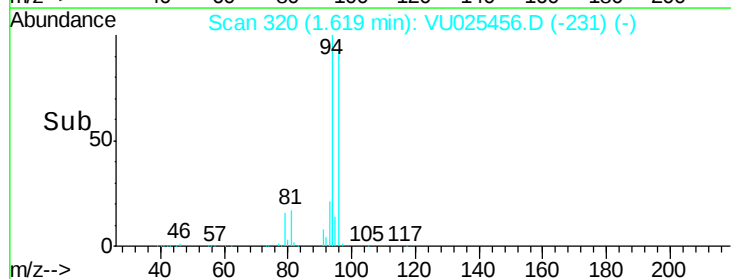
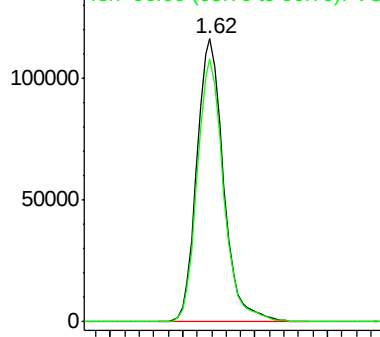
94 100

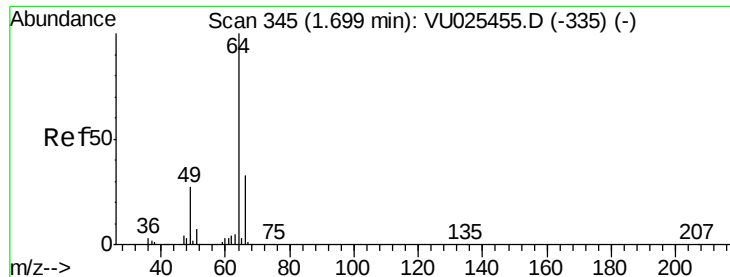
96 92.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 91.232 ug/L

RT: 1.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

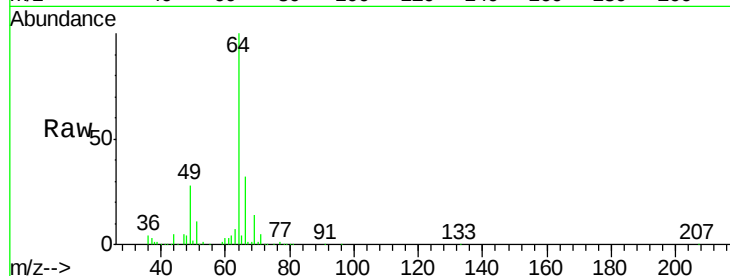
VSTD10044

Tgt Ion: 64 Resp: 146717

Ion Ratio Lower Upper

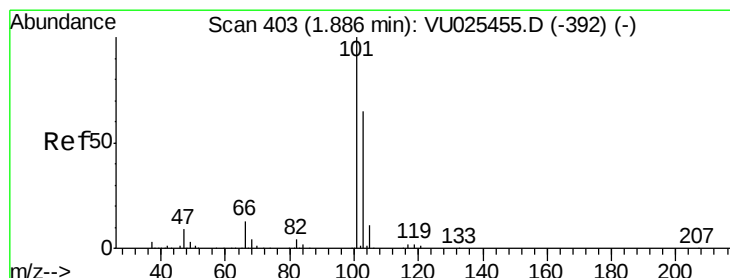
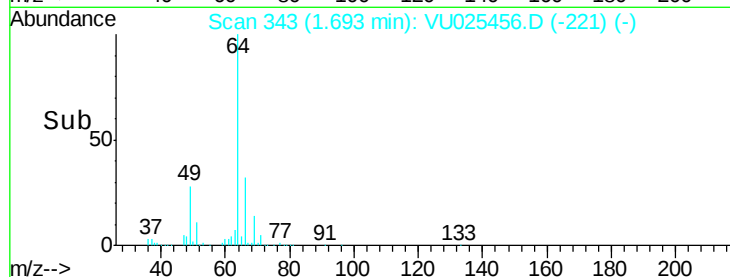
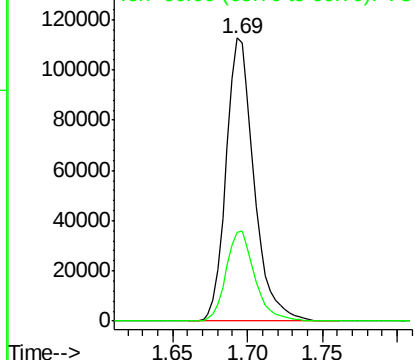
64 100

66 31.5 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 91.136 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025456.D

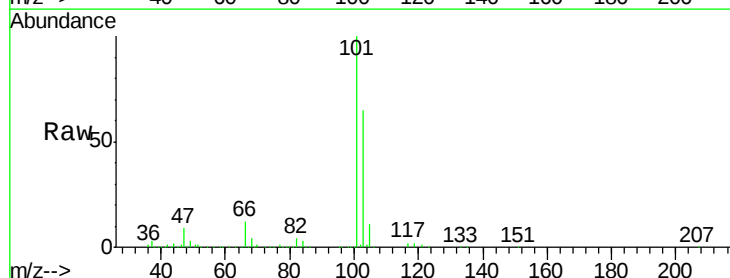
Acq: 17 Jul 2018 12:43

Tgt Ion: 101 Resp: 360046

Ion Ratio Lower Upper

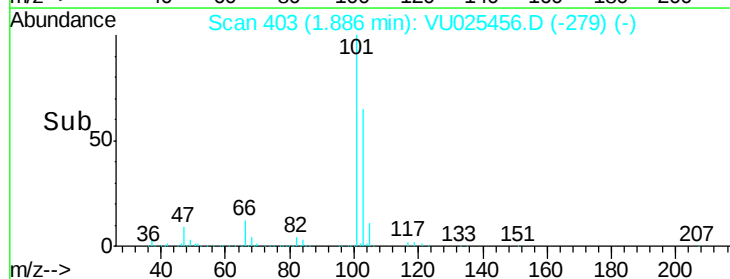
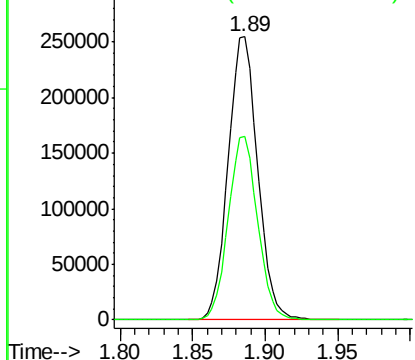
101 100

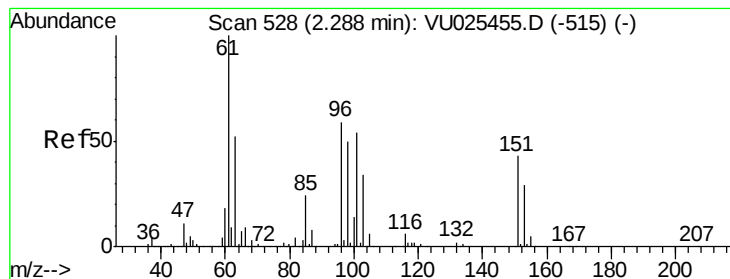
103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 91.723 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

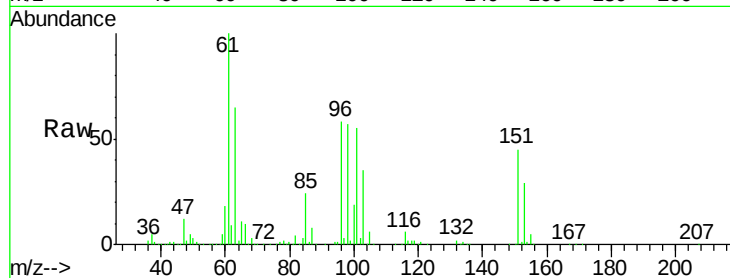
Tgt Ion: 101 Resp: 196741

Ion Ratio Lower Upper

101 100

85 43.7 35.4 53.2

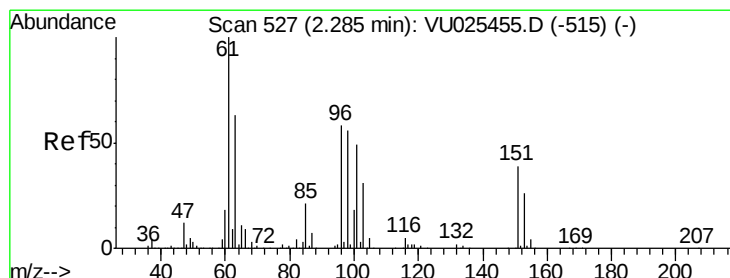
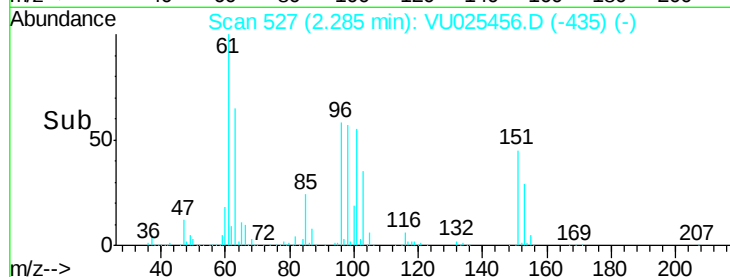
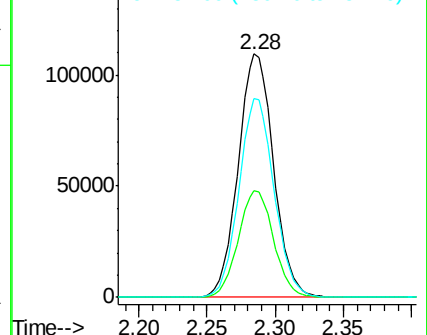
151 81.3 65.0 97.4



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: 90.716 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

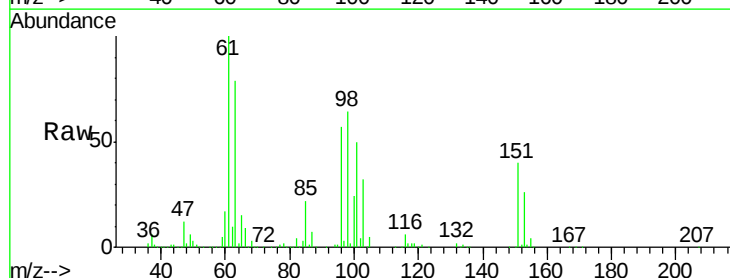
Tgt Ion: 96 Resp: 180500

Ion Ratio Lower Upper

96 100

61 175.4 120.6 224.0

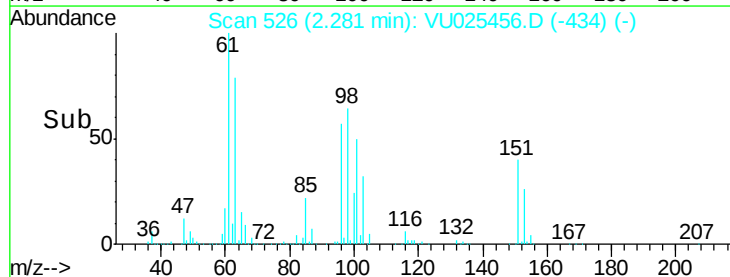
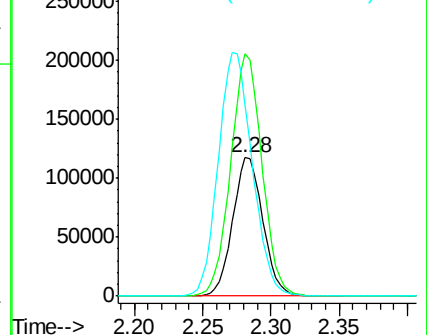
63 138.0 79.3 147.3

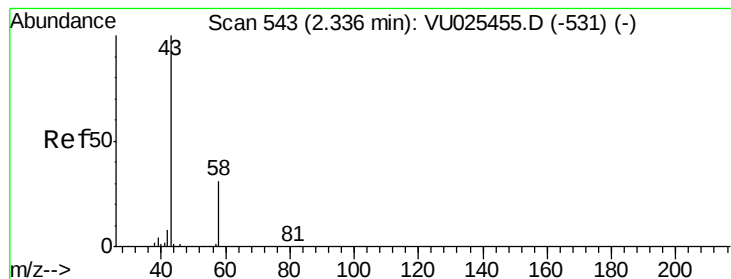


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 165.713 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.01 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

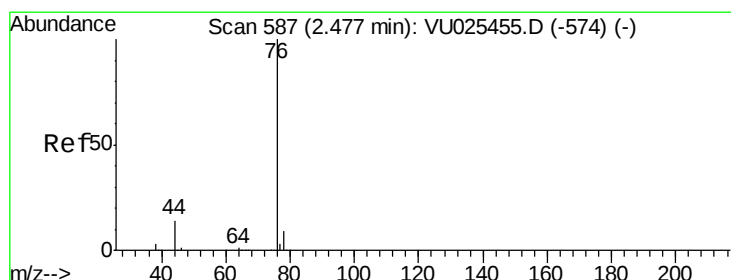
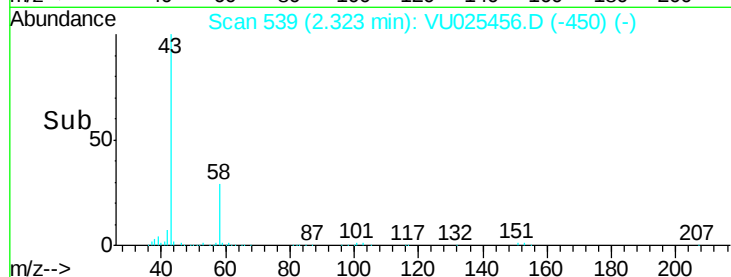
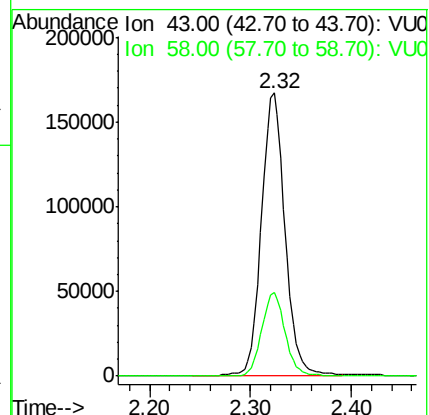
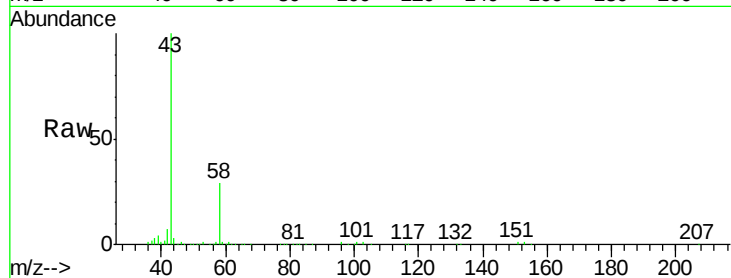
VSTD10044

Tgt Ion: 43 Resp: 268785

Ion Ratio Lower Upper

43 100

58 29.2 0.0 59.0



#14

Carbon disulfide

Concen: 91.971 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025456.D

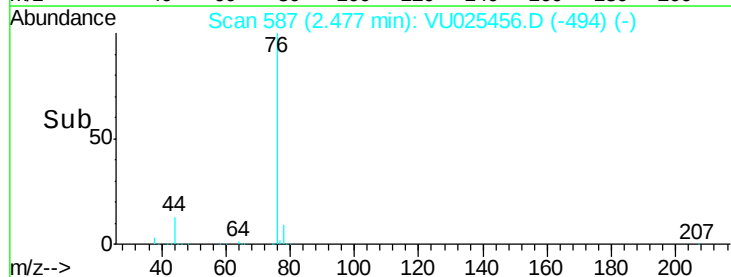
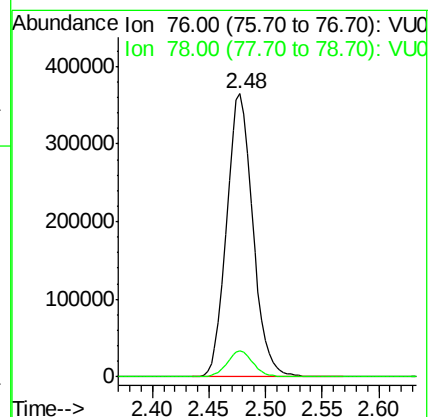
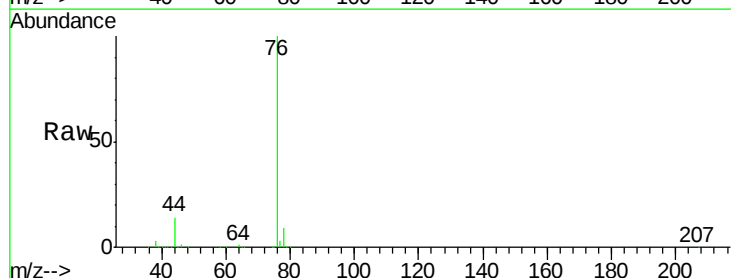
Acq: 17 Jul 2018 12:43

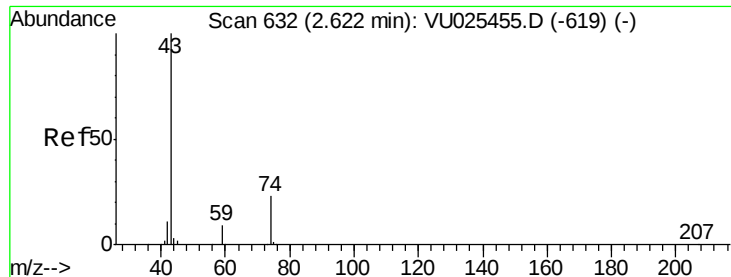
Tgt Ion: 76 Resp: 591321

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 89.843 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.01 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

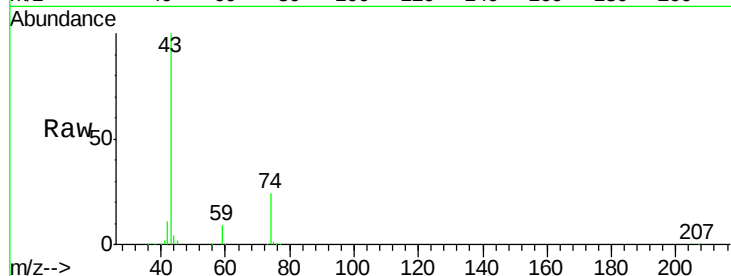
VSTD10044

Tgt Ion: 43 Resp: 267093

Ion Ratio Lower Upper

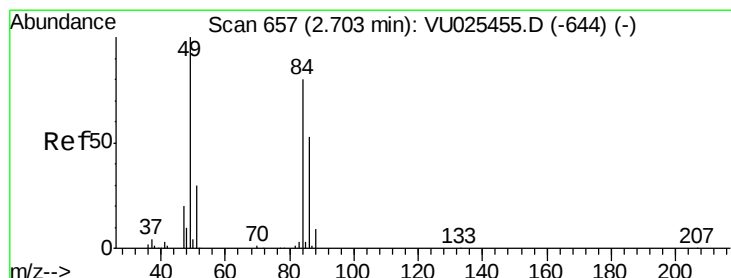
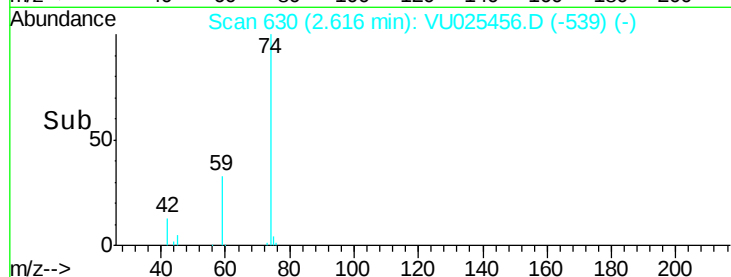
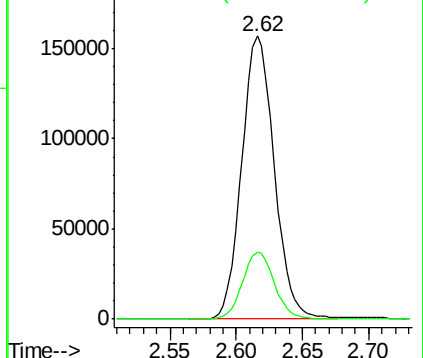
43 100

74 23.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 89.836 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

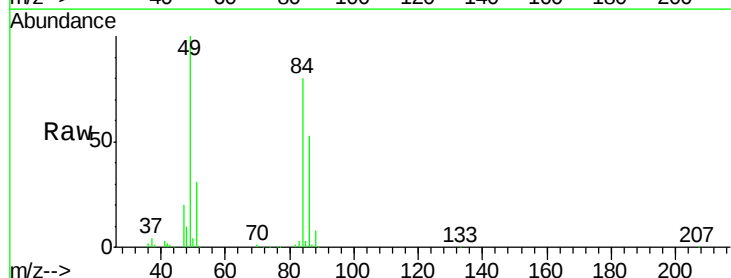
Tgt Ion: 84 Resp: 233758

Ion Ratio Lower Upper

84 100

86 65.5 46.3 85.9

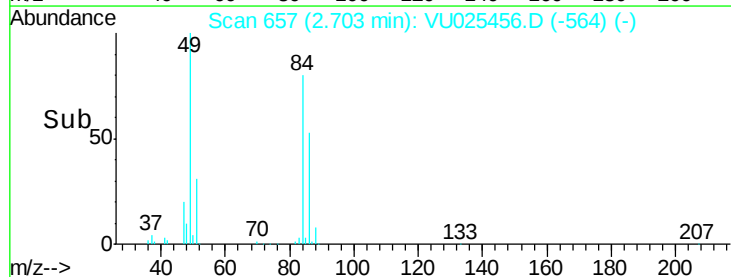
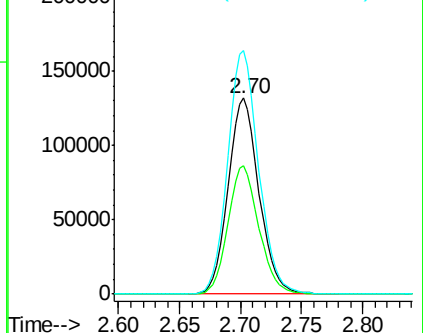
49 124.5 87.9 163.3

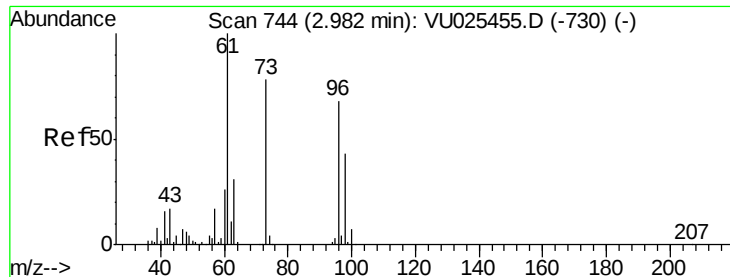


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 92.116 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

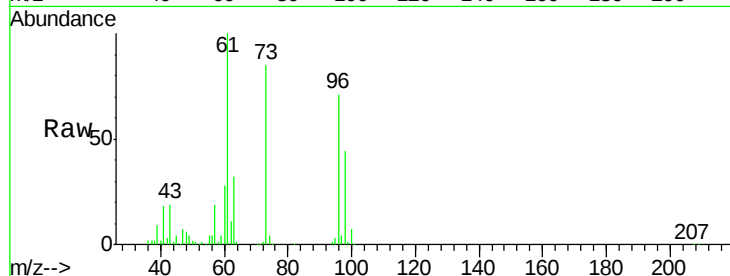
Tgt Ion: 96 Resp: 216796

Ion Ratio Lower Upper

96 100

61 140.7 103.6 192.4

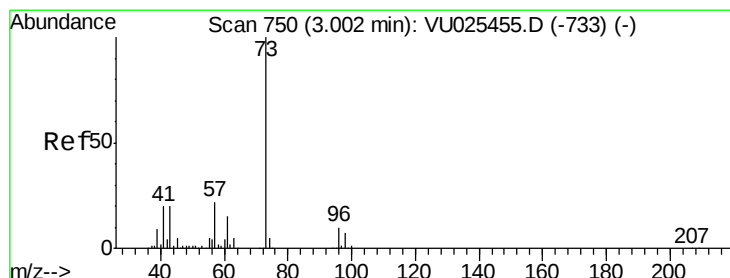
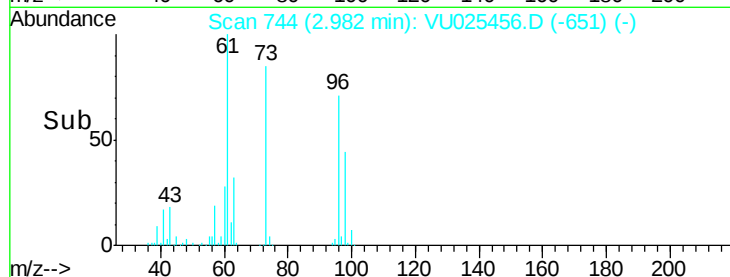
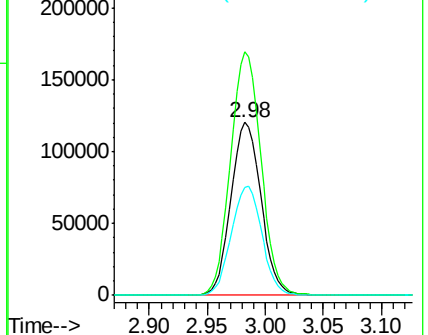
98 62.6 44.8 83.2



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: 91.900 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

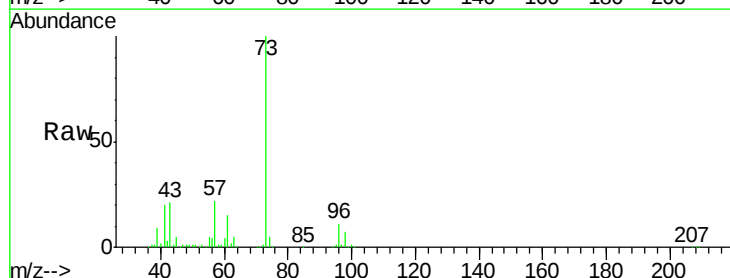
Tgt Ion: 73 Resp: 766363

Ion Ratio Lower Upper

73 100

43 20.9 16.6 24.8

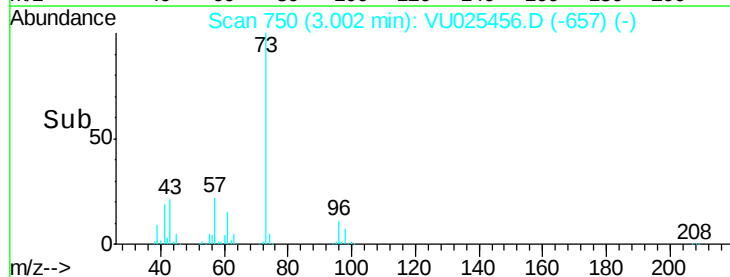
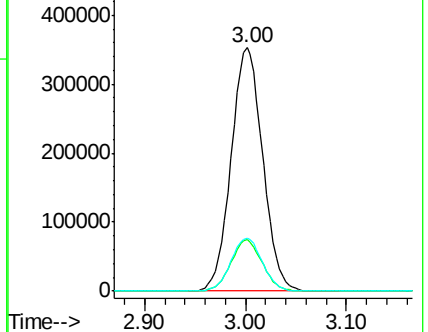
57 21.6 17.0 25.6

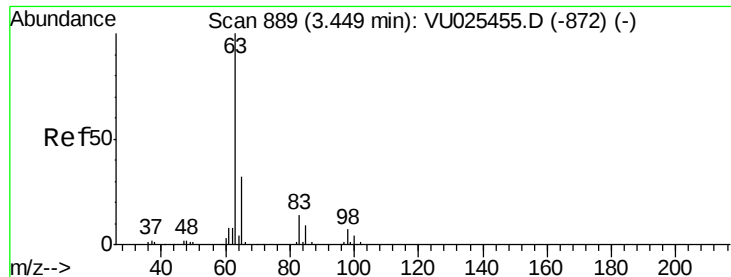


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

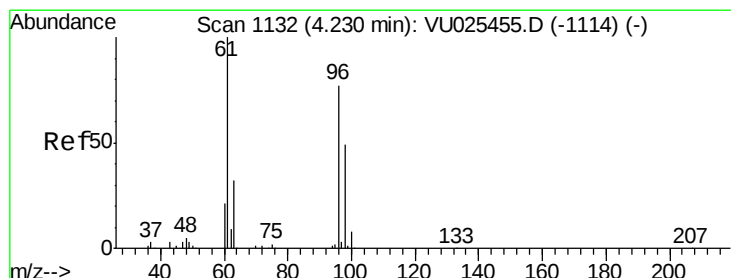
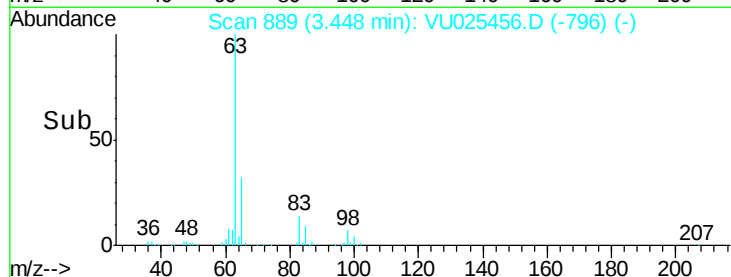
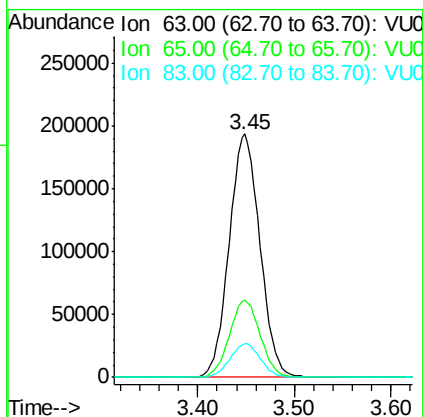
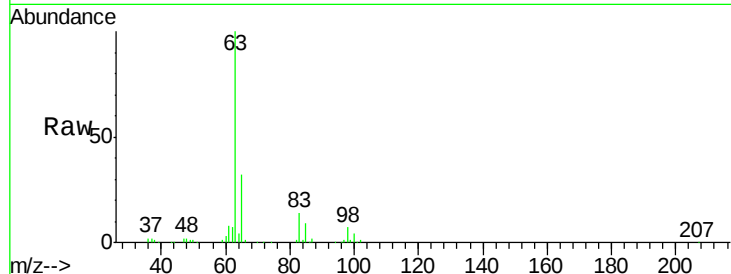




#19
 1,1-Dichloroethane
 Concen: 90.568 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

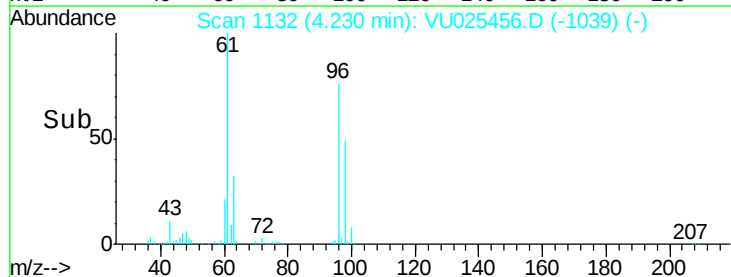
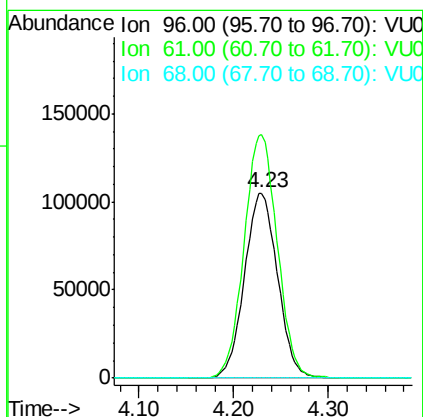
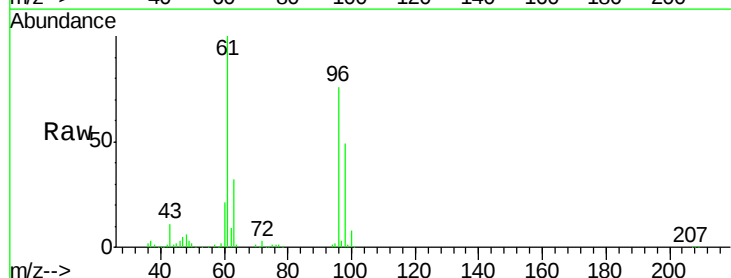
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

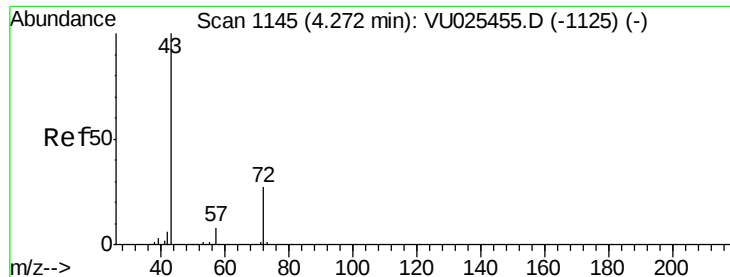
Tgt Ion: 63 Resp: 426393
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 13.9 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 88.426 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Tgt Ion: 96 Resp: 254801
 Ion Ratio Lower Upper
 96 100
 61 131.4 91.7 170.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 180.711 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

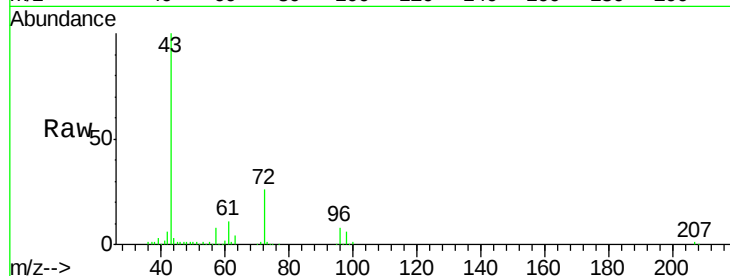
VSTD10044

Tgt Ion: 43 Resp: 400131

Ion Ratio Lower Upper

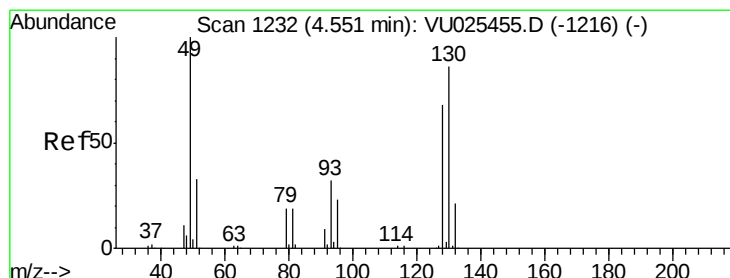
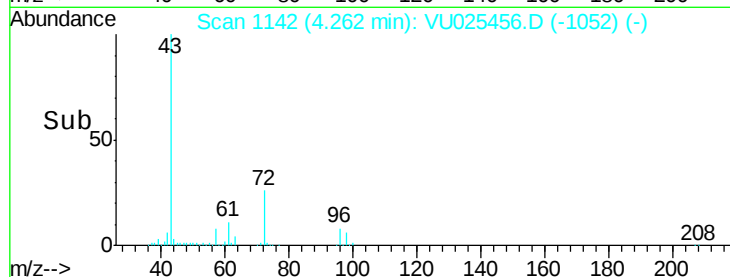
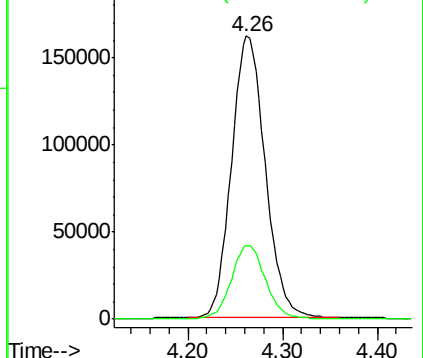
43 100

72 26.8 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: 92.123 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Tgt Ion: 128 Resp: 133050

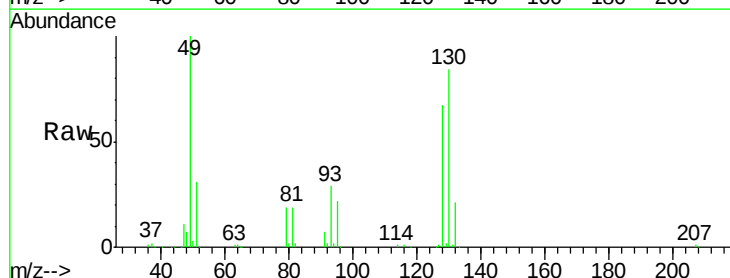
Ion Ratio Lower Upper

128 100

49 149.2 103.0 191.2

130 125.8 88.5 164.3

51 46.2 38.7 58.1

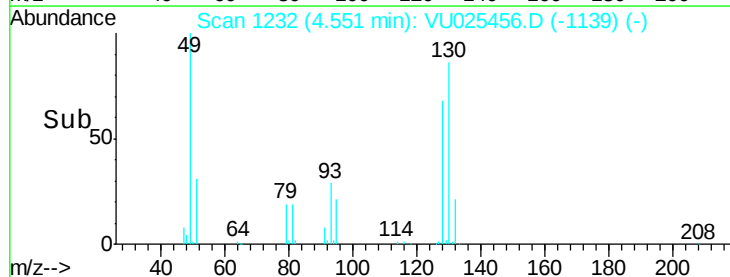
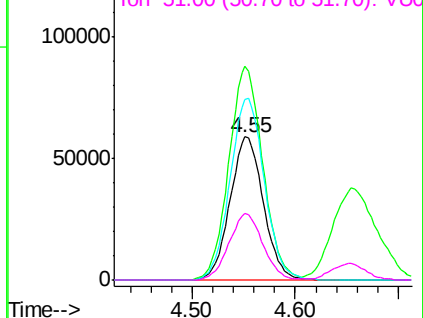


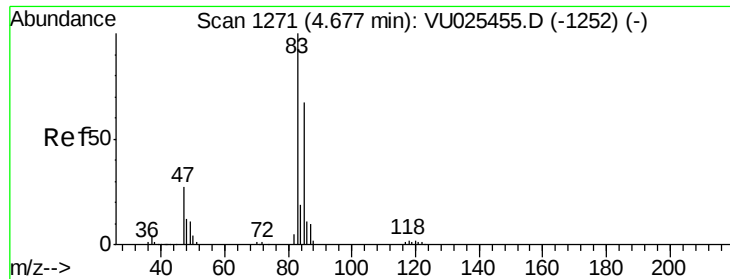
Abundance Ion 128.00 (127.70 to 128.70): V

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

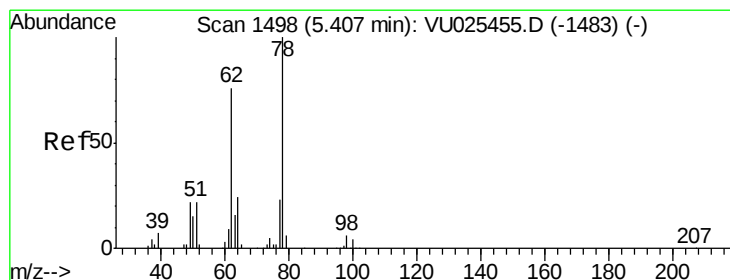
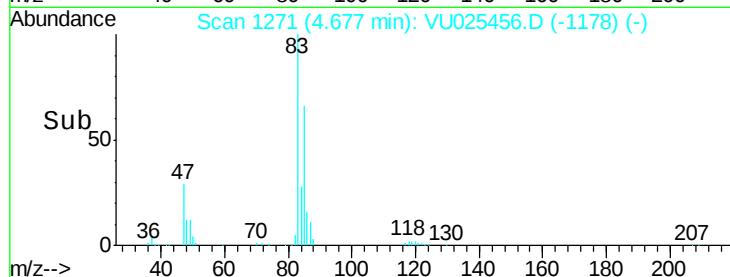
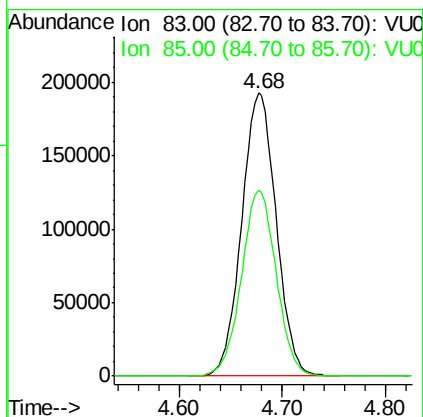
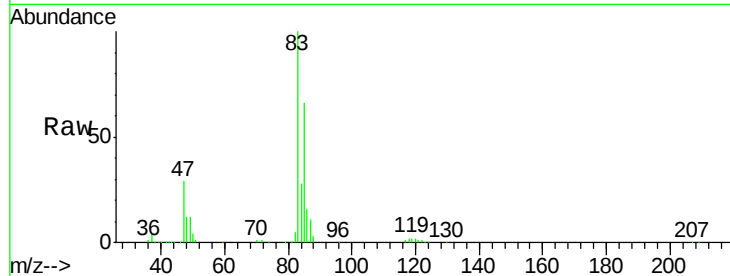




#25
Chloroform
Concen: 90.506 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

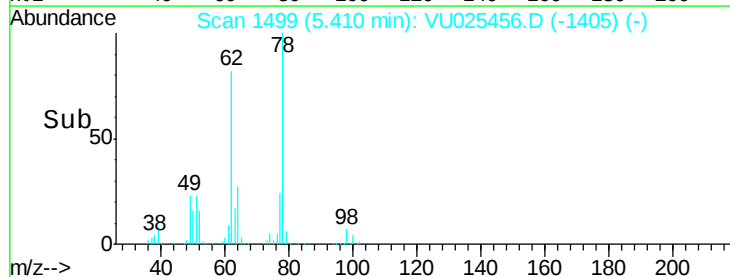
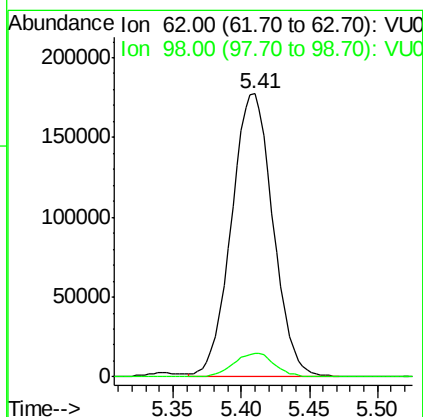
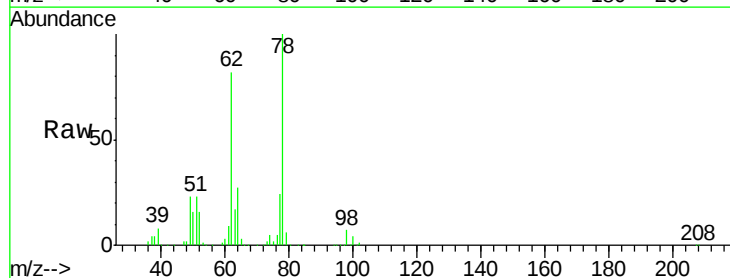
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

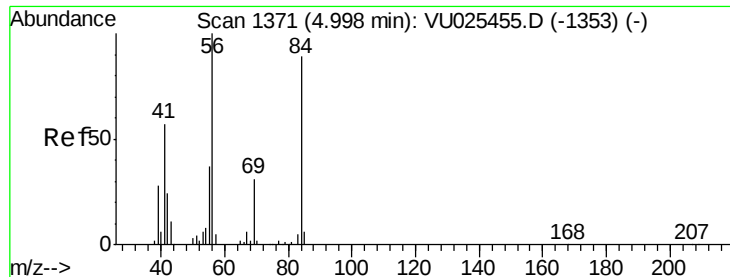
Tgt Ion: 83 Resp: 447740
Ion Ratio Lower Upper
83 100
85 65.7 47.2 87.6



#27
1,2-Dichloroethane
Concen: 90.905 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

Tgt Ion: 62 Resp: 373463
Ion Ratio Lower Upper
62 100
98 8.3 6.5 9.7

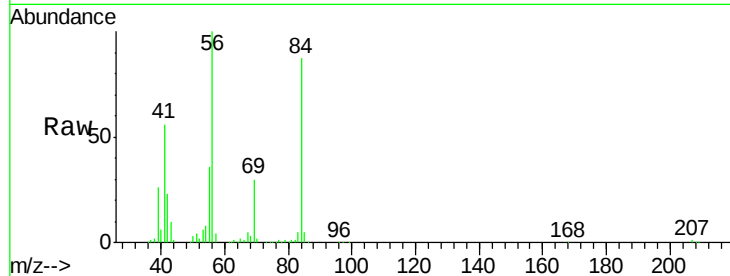




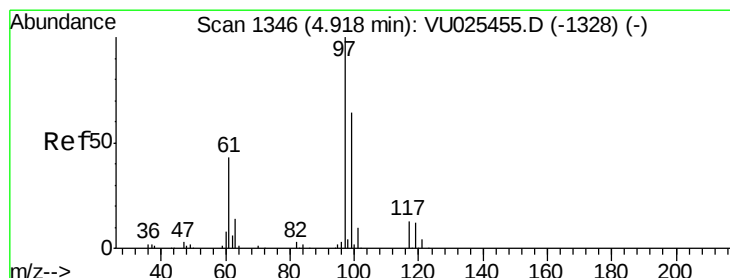
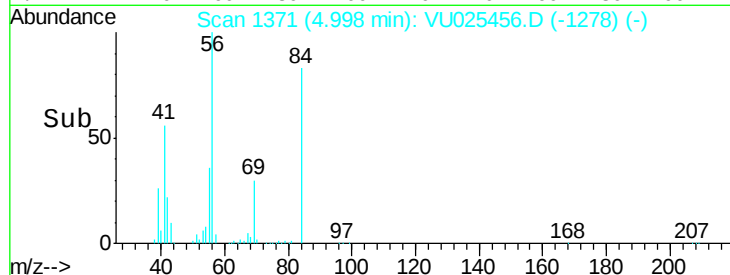
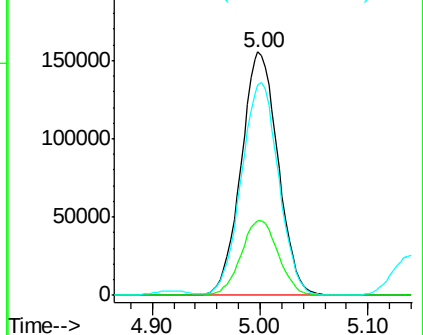
#29
Cyclohexane
Concen: 93.025 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

Tgt Ion: 56 Resp: 368688
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.4
84 88.8 70.3 105.5

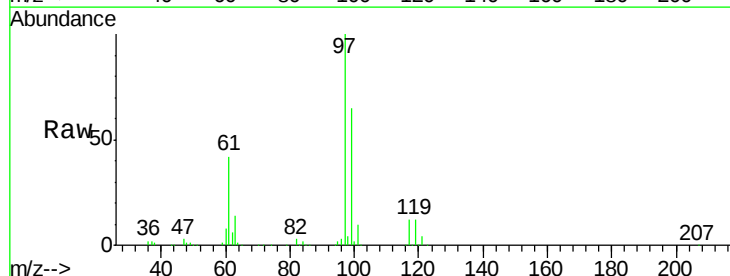


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

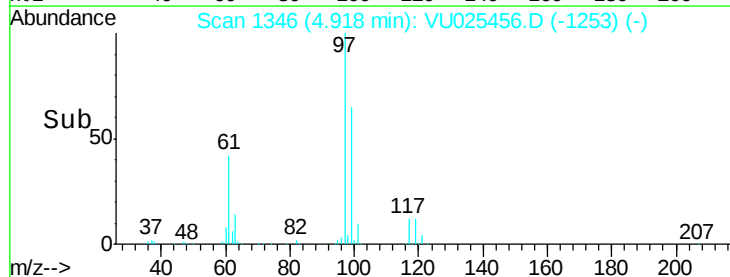
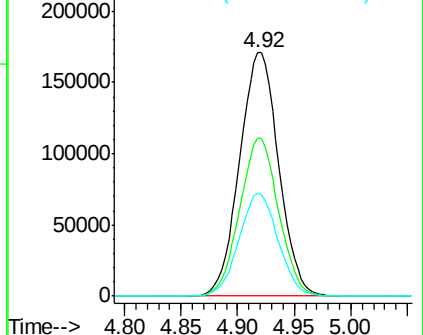


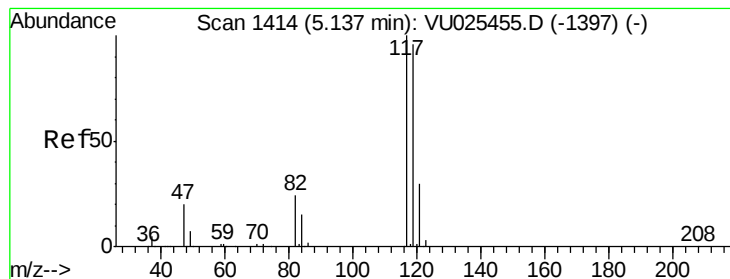
#30
1,1,1-Trichloroethane
Concen: 89.721 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

Tgt Ion: 97 Resp: 410933
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 42.3 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: 92.426 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

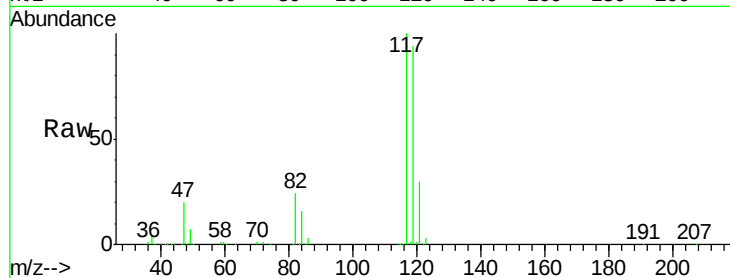
VSTD10044

Tgt Ion:117 Resp: 371891

Ion Ratio Lower Upper

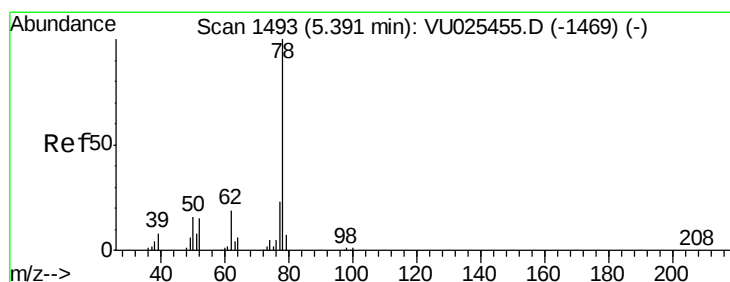
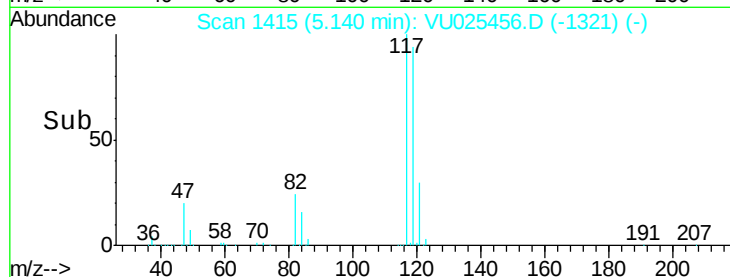
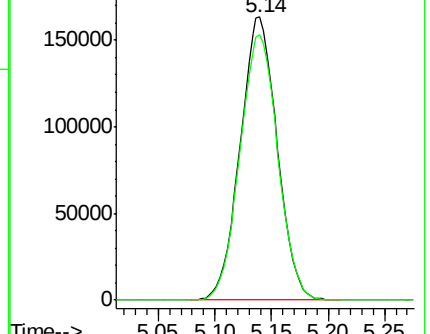
117 100

119 96.0 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: 90.612 ug/L

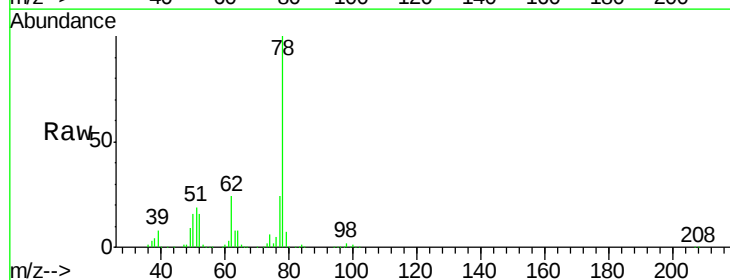
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

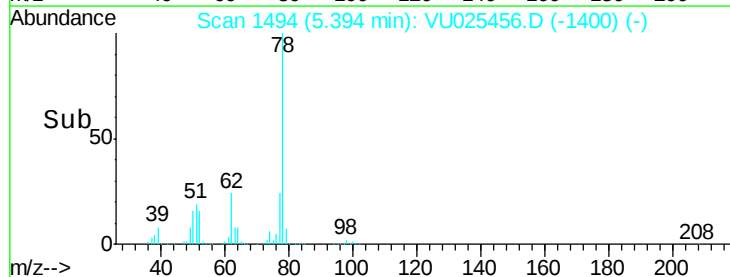
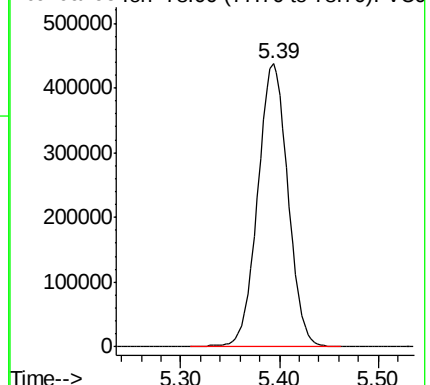
Lab File: VU025456.D

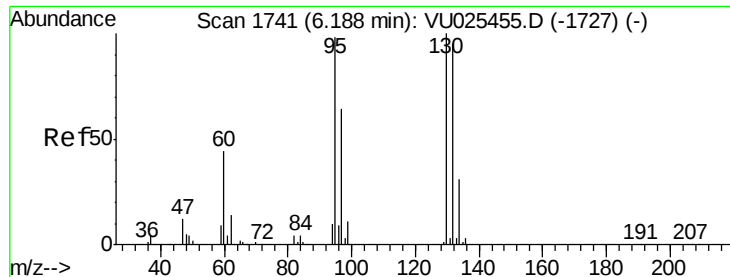
Acq: 17 Jul 2018 12:43

Tgt Ion: 78 Resp: 922621



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 90.638 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

Tgt Ion: 95 Resp: 244304

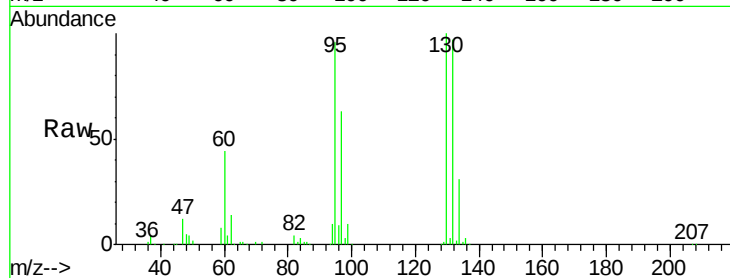
Ion Ratio Lower Upper

95 100

97 65.2 45.9 85.3

132 100.7 68.2 126.6

130 103.7 71.8 133.4

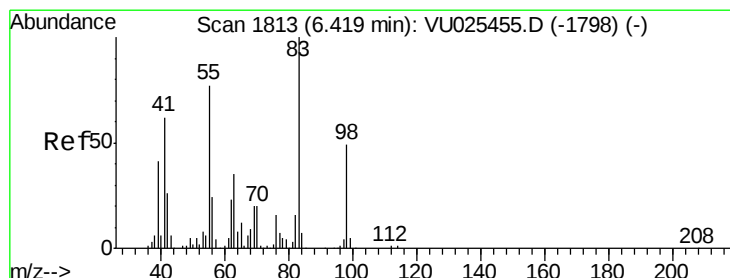
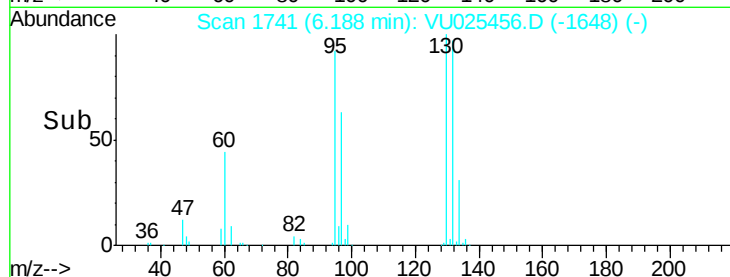
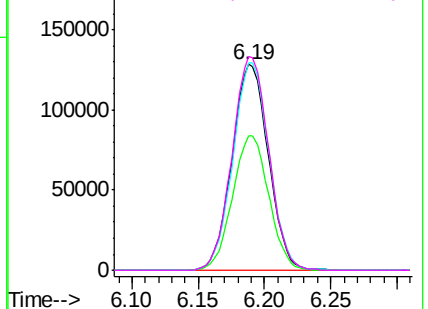


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 95.084 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

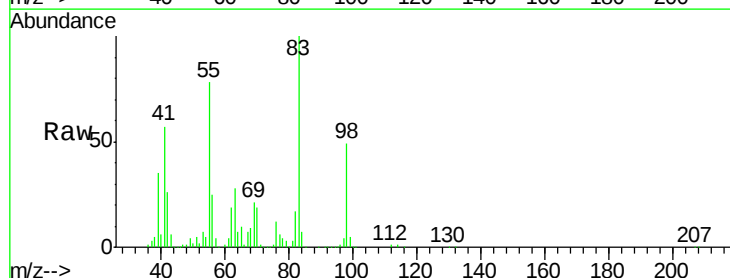
Tgt Ion: 83 Resp: 389114

Ion Ratio Lower Upper

83 100

55 76.9 61.8 92.8

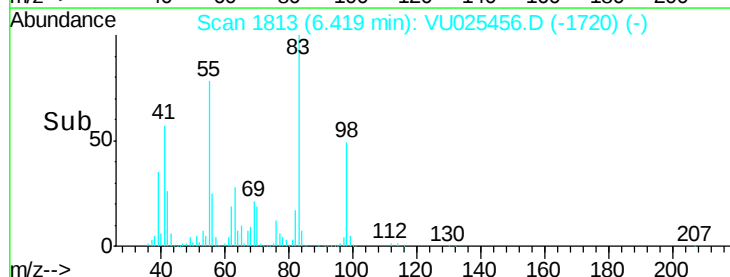
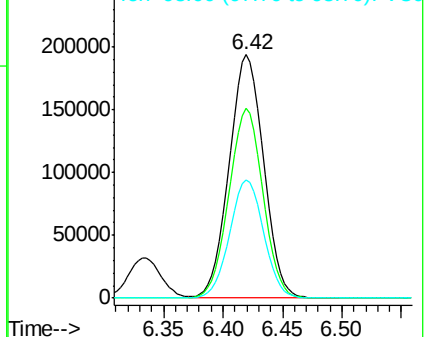
98 48.2 38.7 58.1

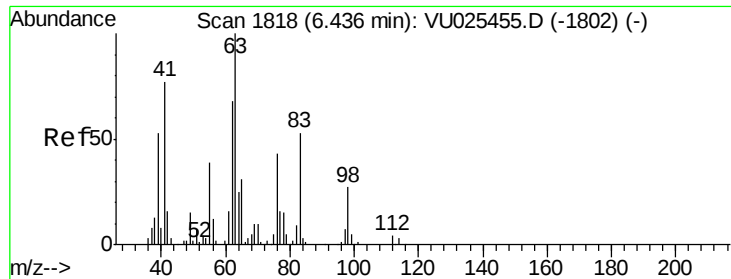


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

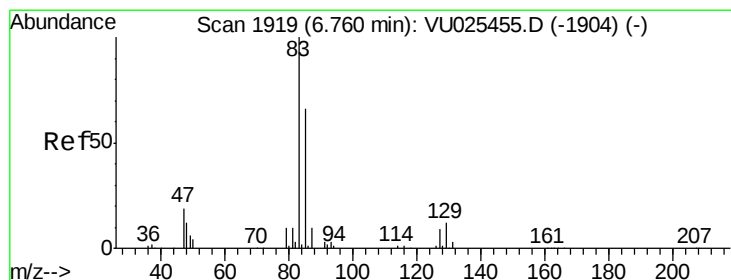
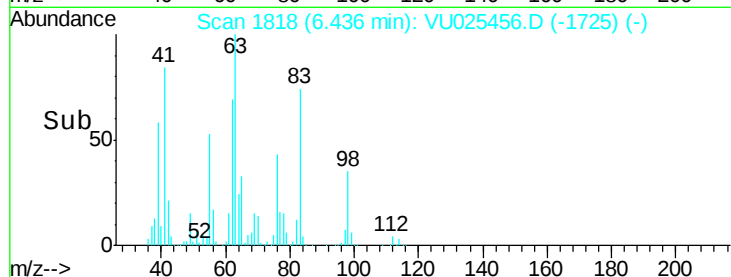
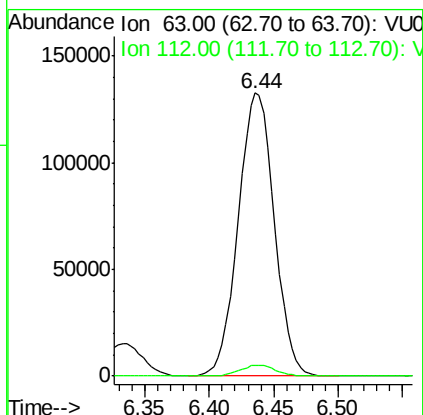
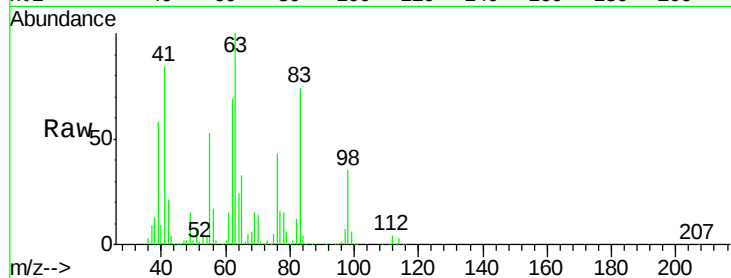




#37
 1,2-Dichloropropane
 Concen: 91.630 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

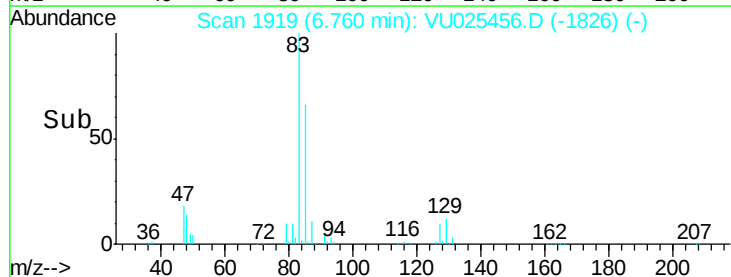
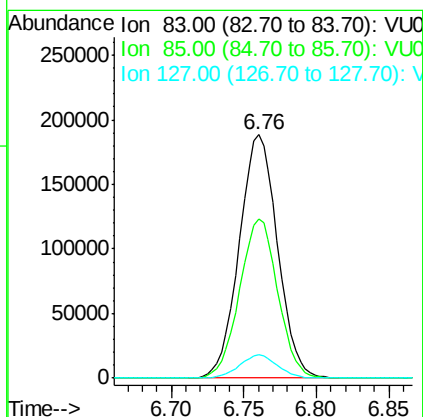
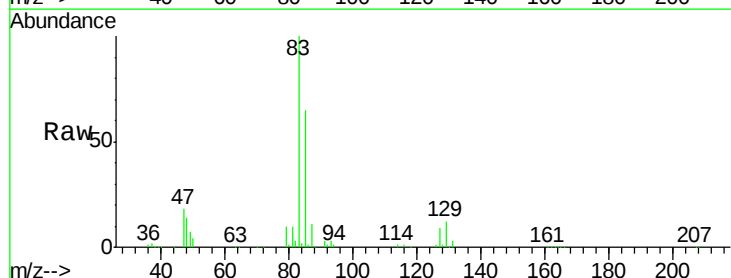
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

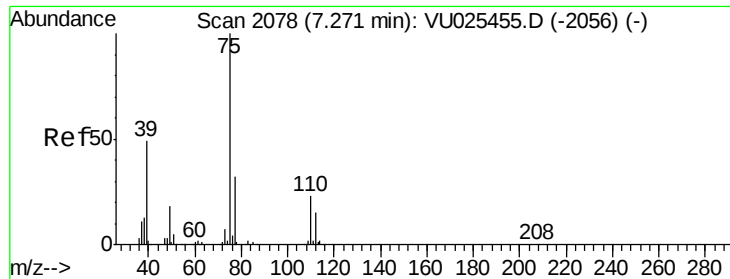
Tgt Ion: 63 Resp: 257371
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 91.166 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Tgt Ion: 83 Resp: 345749
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.8 85.2
 127 9.4 7.3 10.9

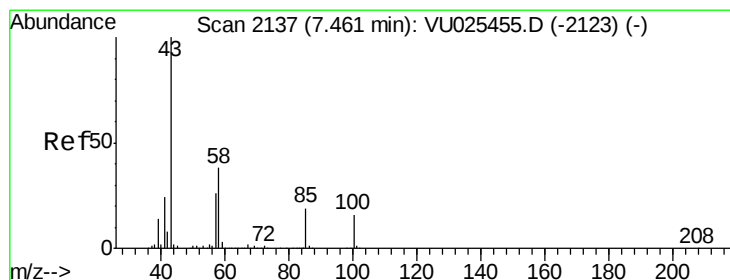
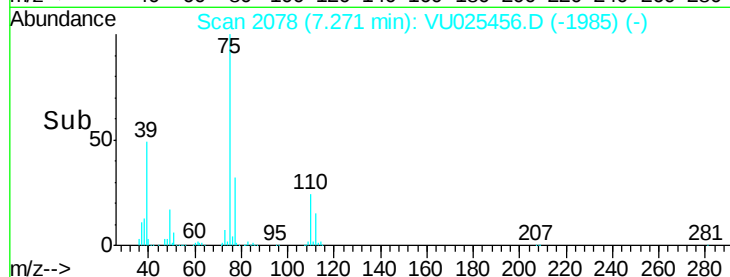
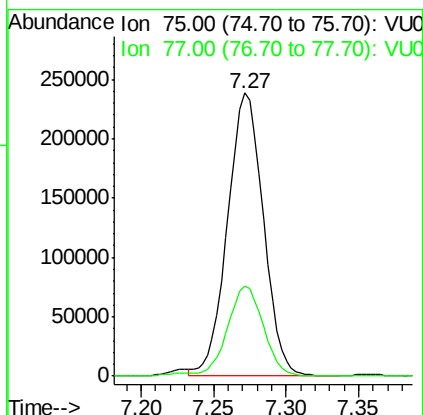
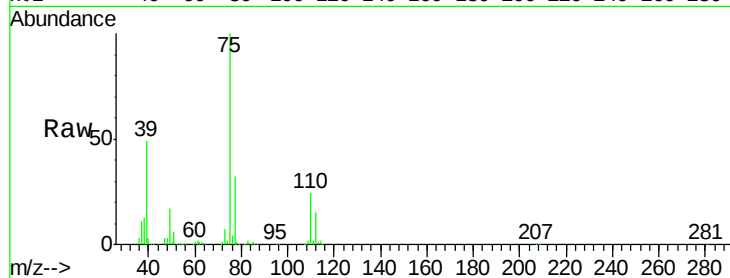




#39
 cis-1,3-Dichloropropene
 Concen: 93.946 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

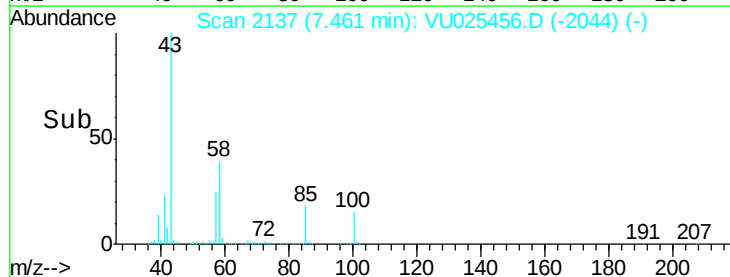
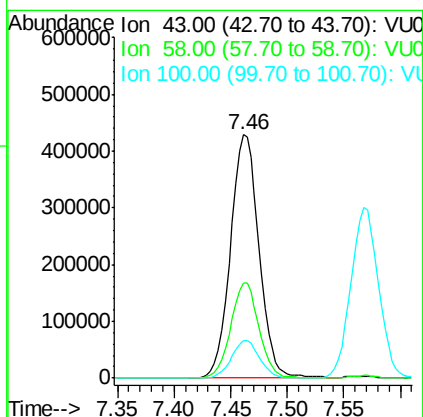
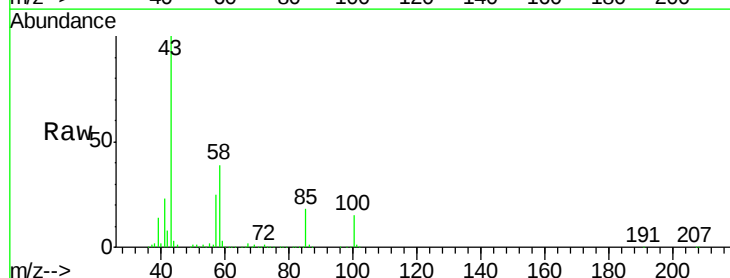
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10044

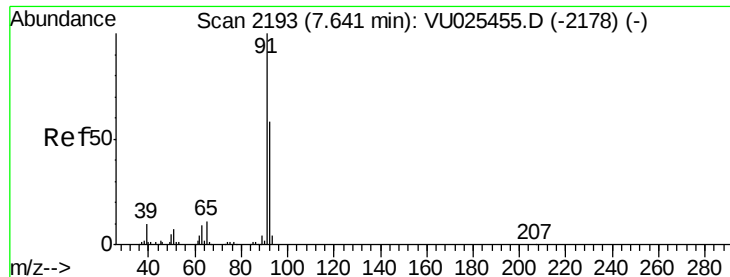
Tgt Ion: 75 Resp: 408853
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 184.863 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Tgt Ion: 43 Resp: 753074
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.9 46.3
 100 15.3 12.4 18.6





#42

Toluene

Concen: 93.288 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

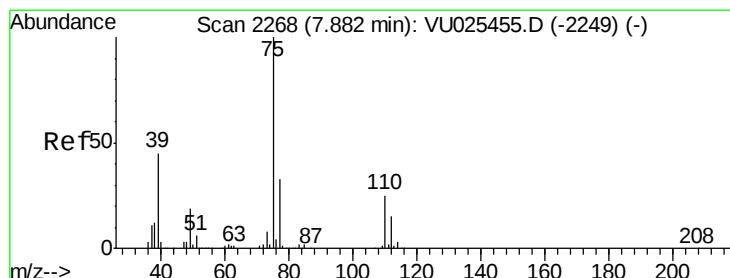
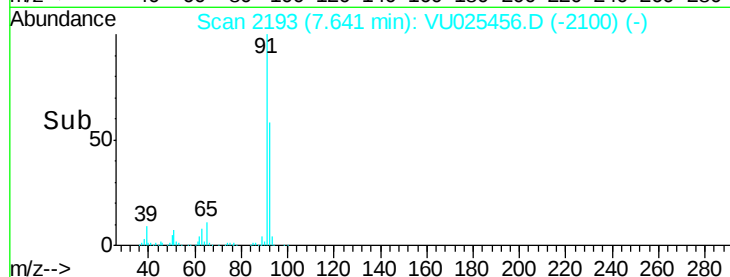
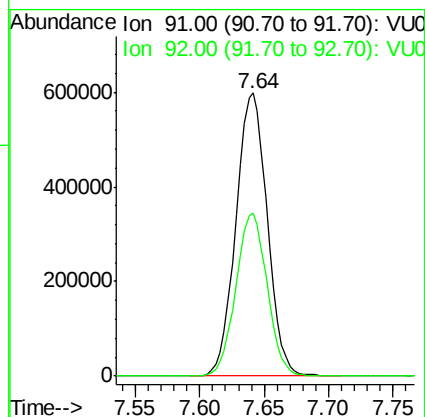
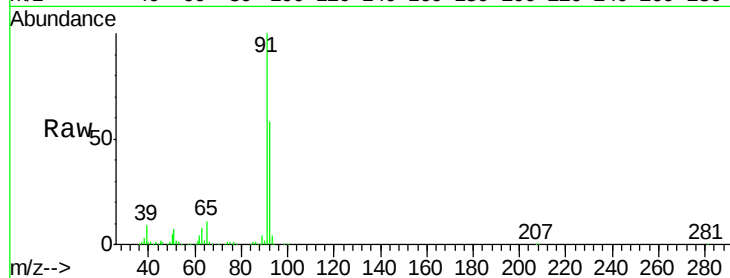
VSTD10044

Tgt Ion: 91 Resp: 1012806

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 95.434 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025456.D

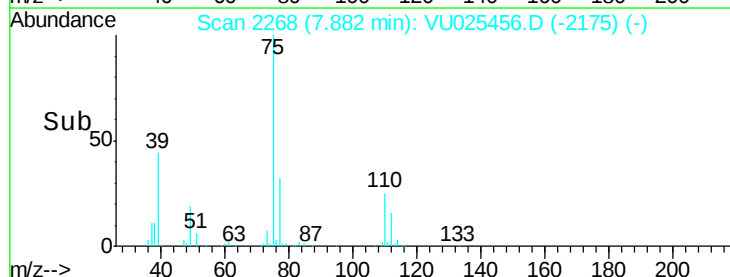
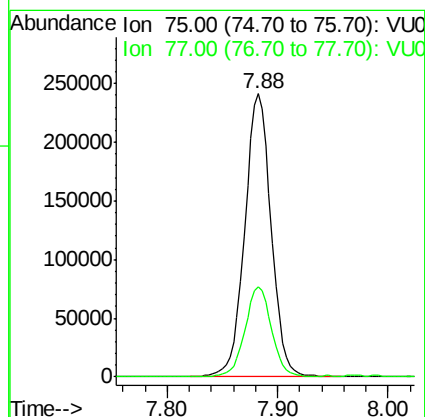
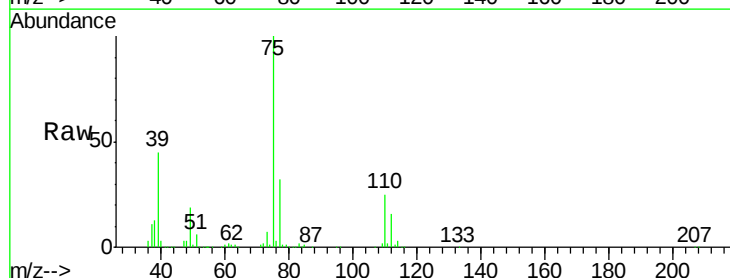
Acq: 17 Jul 2018 12:43

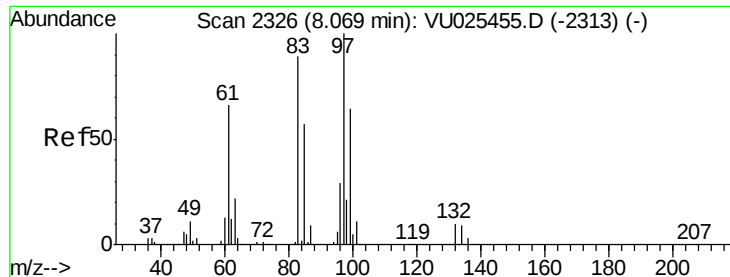
Tgt Ion: 75 Resp: 398713

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.3

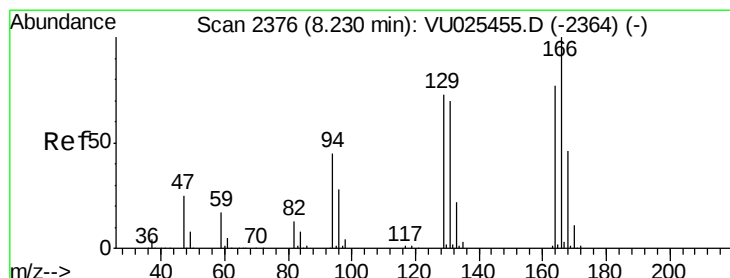
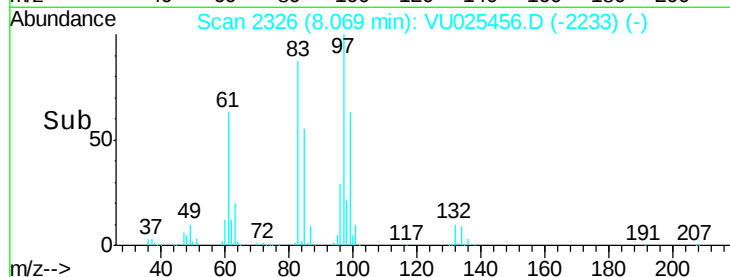
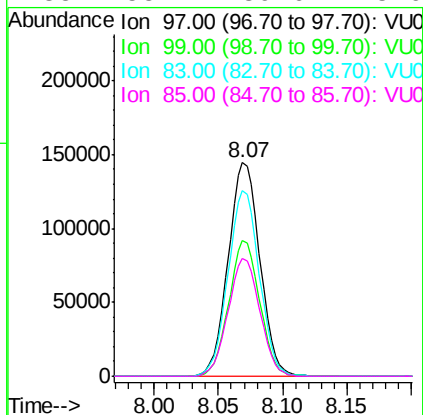
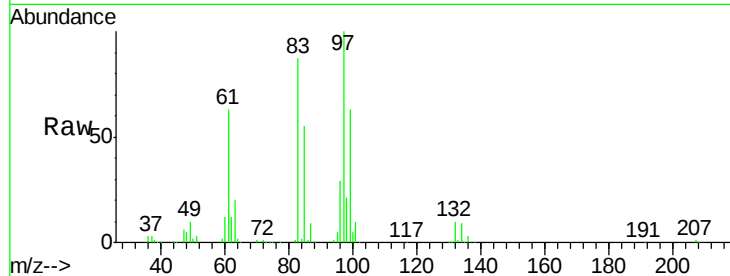




#45
 1,1,2-Trichloroethane
 Concen: 92.680 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

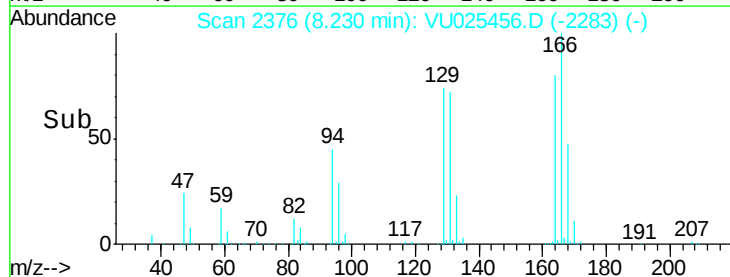
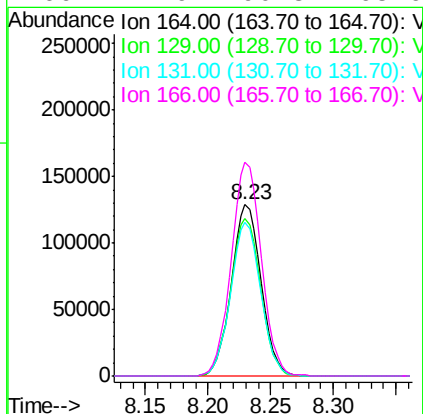
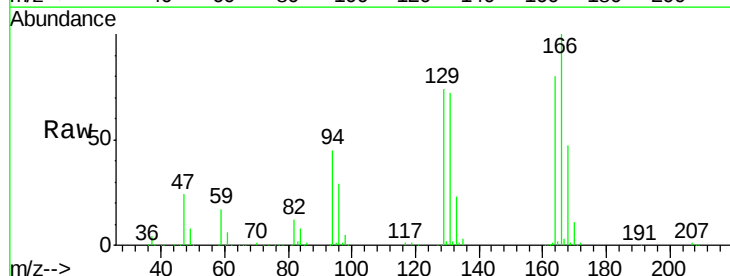
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10044

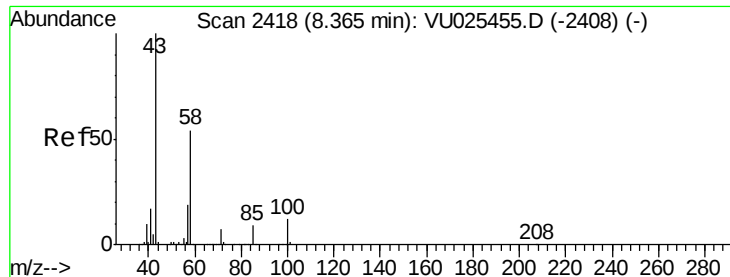
Tgt Ion:	97	Resp:	246816
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.7	83.1
83	86.9	62.0	115.2
85	55.1	39.6	73.6



#46
 Tetrachloroethene
 Concen: 94.203 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Tgt Ion:	164	Resp:	211819
Ion	Ratio	Lower	Upper
164	100		
129	92.2	66.5	123.5
131	89.7	63.7	118.3
166	124.9	90.8	168.6

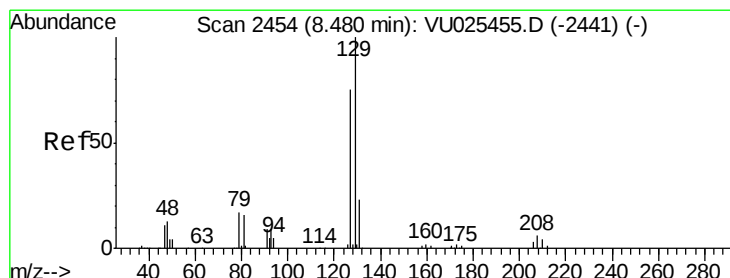
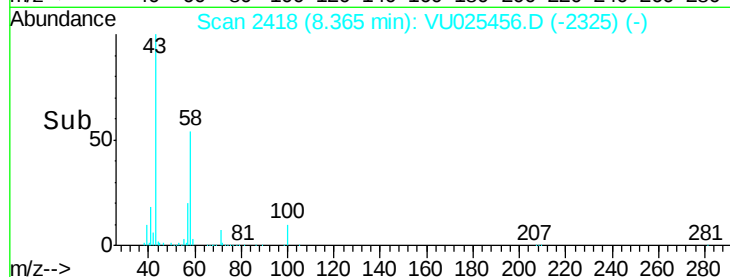
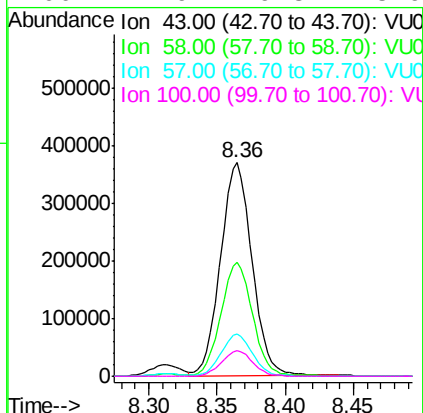
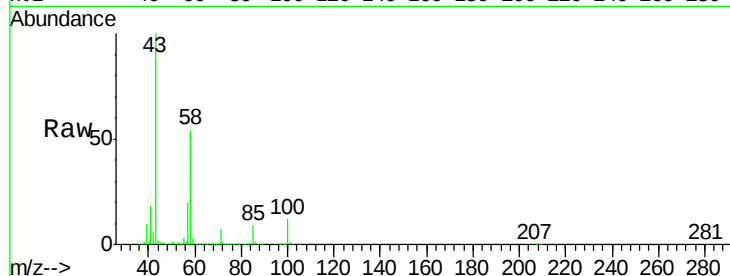




#48
2-Hexanone
Concen: 183.329 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

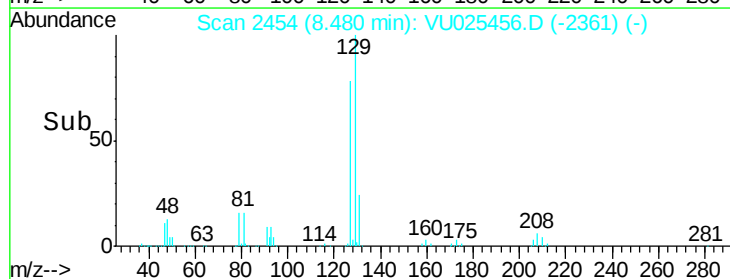
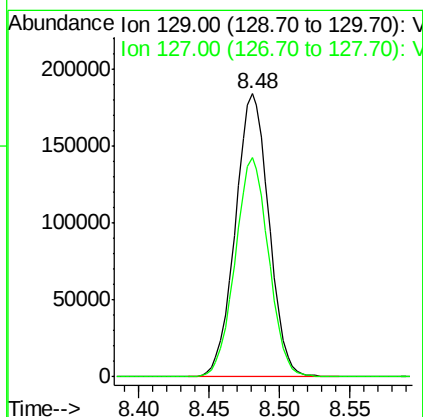
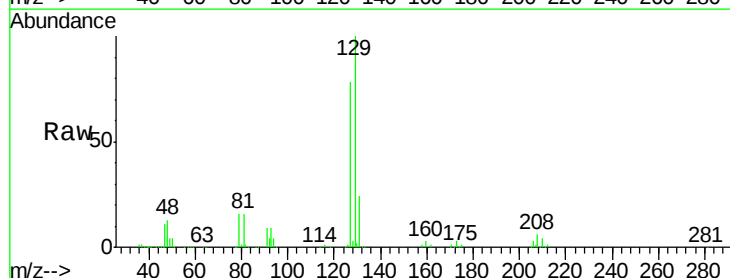
Instrument :
MSVOA_U
ClientSampled :
VSTD10044

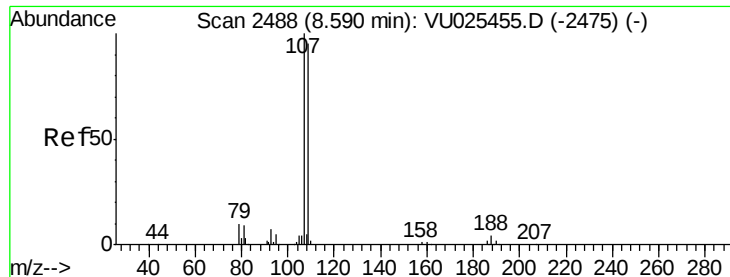
Tgt Ion:	43	Resp:	596678
Ion	Ratio	Lower	Upper
43	100		
58	53.8	42.3	63.5
57	19.5	15.6	23.4
100	11.9	9.3	13.9



#49
Dibromochloromethane
Concen: 95.242 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

Tgt Ion:	129	Resp:	307045
Ion	Ratio	Lower	Upper
129	100		
127	77.6	52.4	97.2

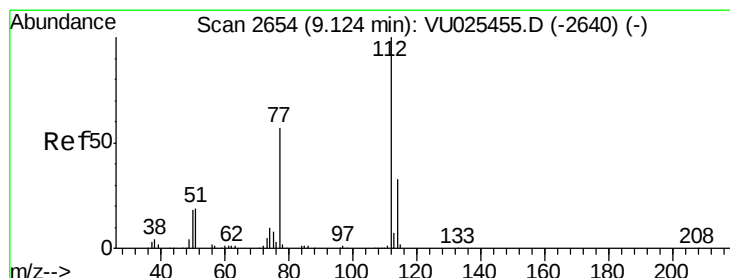
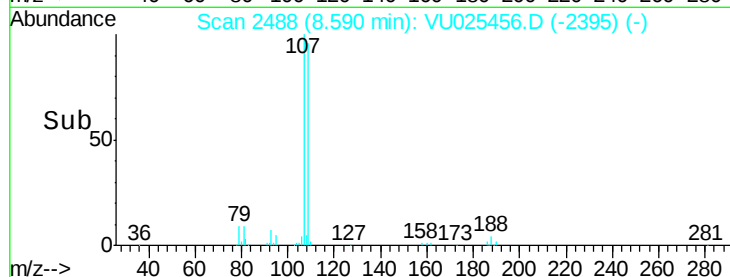
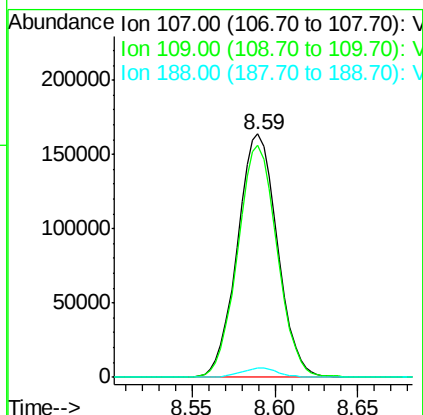
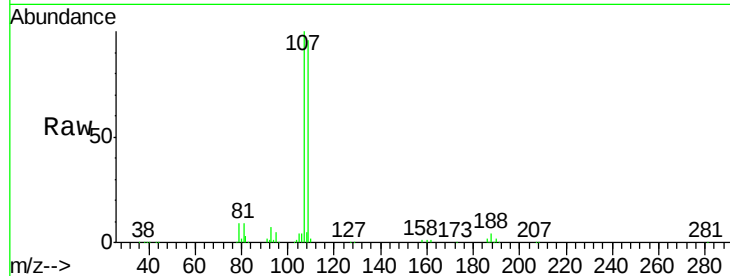




#50
1,2-Dibromoethane
Concen: 93.335 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

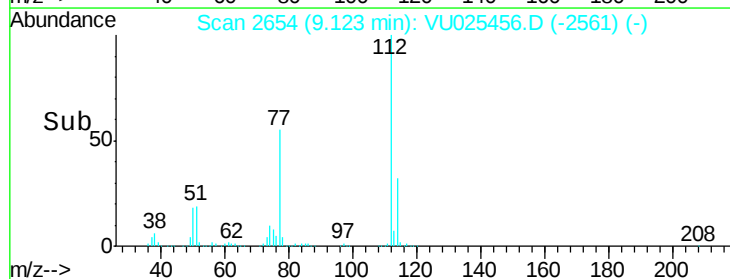
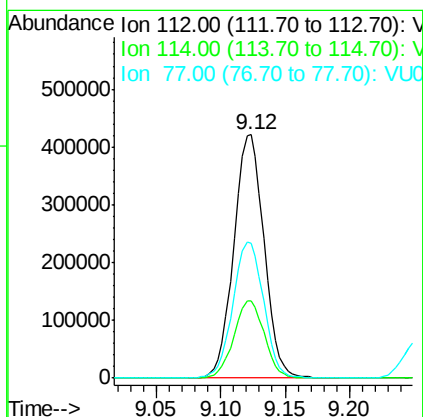
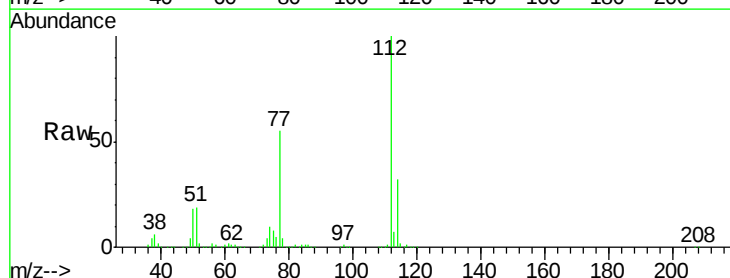
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

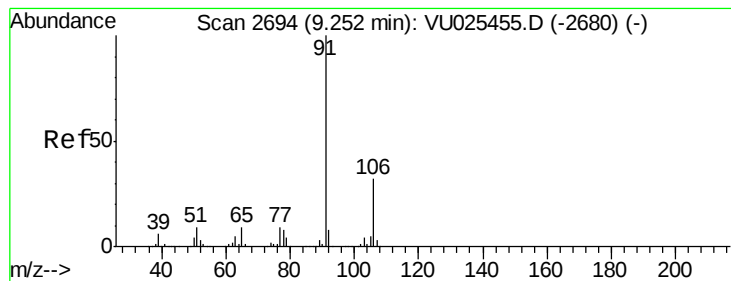
Tgt Ion:107 Resp: 274350
Ion Ratio Lower Upper
107 100
109 95.6 66.5 123.5
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 94.394 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

Tgt Ion:112 Resp: 687637
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 55.1 45.8 68.8





#52

Ethylbenzene

Concen: 95.054 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

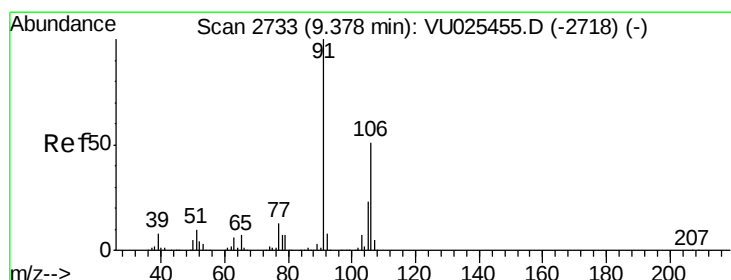
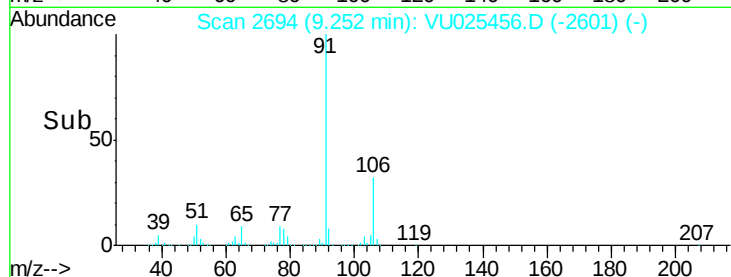
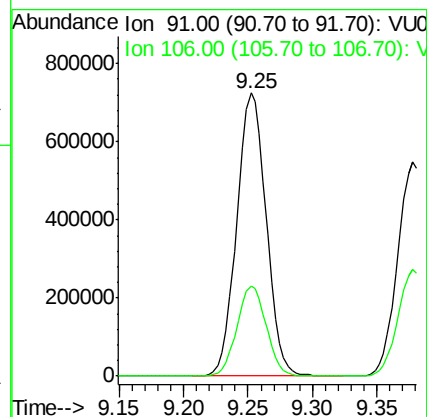
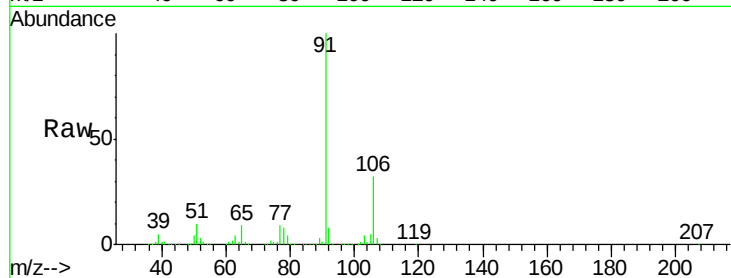
VSTD10044

Tgt Ion: 91 Resp: 1151980

Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



#53

m,p-Xylene

Concen: 96.022 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025456.D

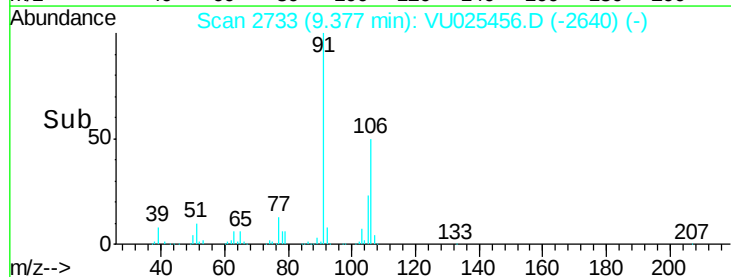
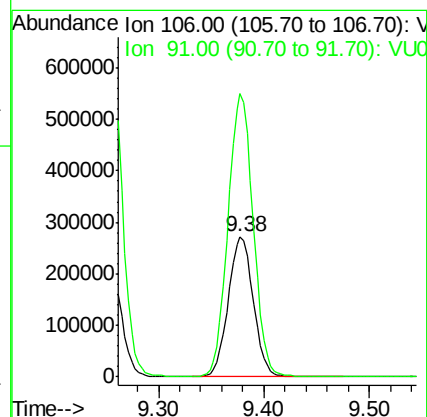
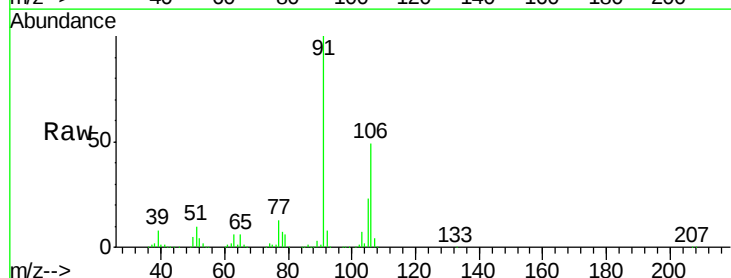
Acq: 17 Jul 2018 12:43

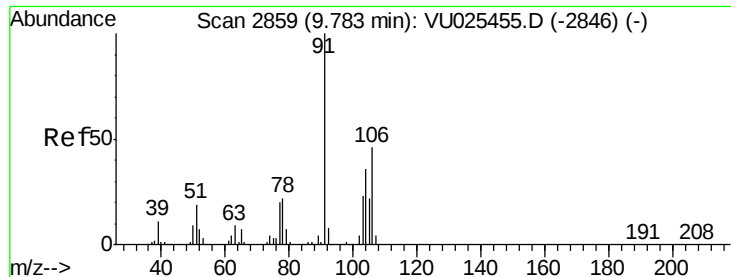
Tgt Ion: 106 Resp: 446032

Ion Ratio Lower Upper

106 100

91 202.1 138.6 257.4





#54

o-xylene

Concen: 95.731 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

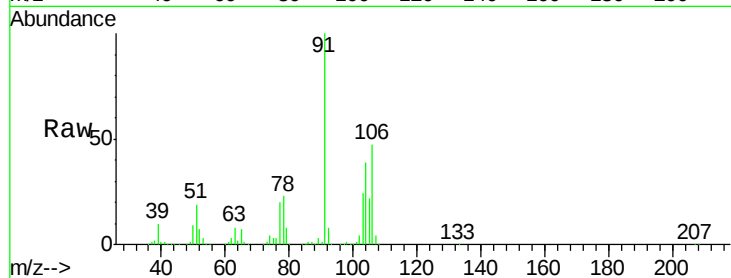
VSTD10044

Tgt Ion:106 Resp: 448607

Ion Ratio Lower Upper

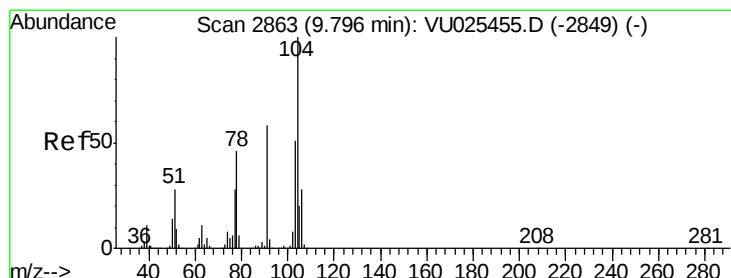
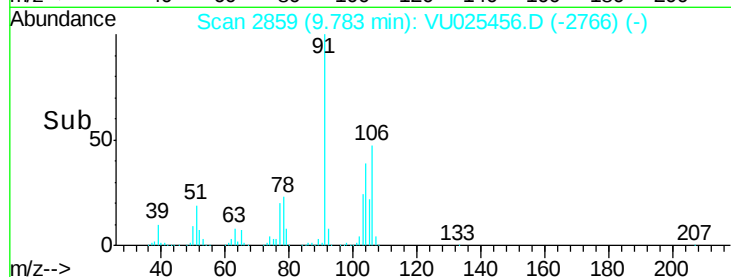
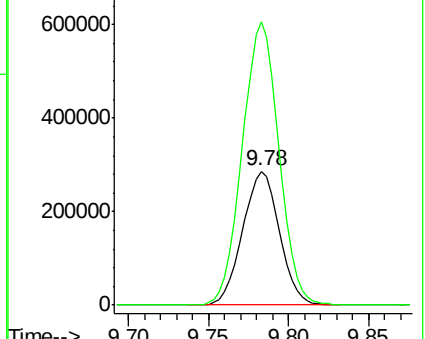
106 100

91 211.3 152.8 283.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 98.769 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025456.D

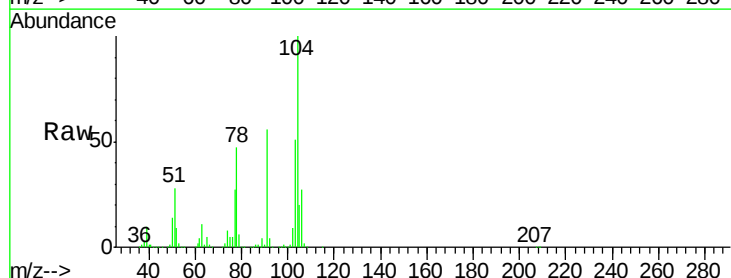
Acq: 17 Jul 2018 12:43

Tgt Ion:104 Resp: 764450

Ion Ratio Lower Upper

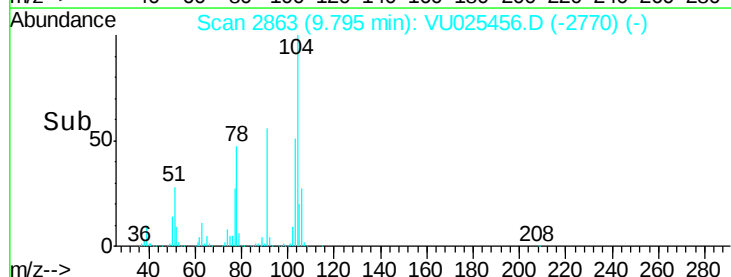
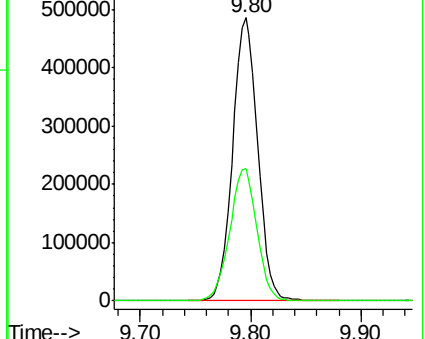
104 100

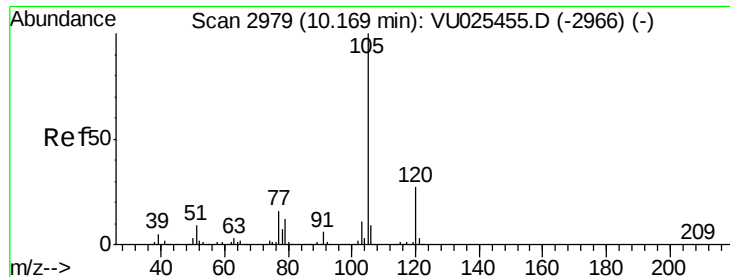
78 46.6 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 96.648 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

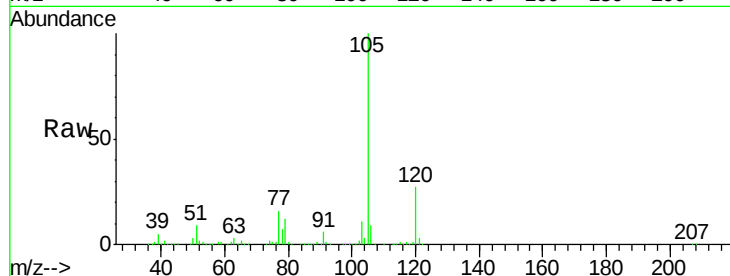
Tgt Ion:105 Resp: 1172879

Ion Ratio Lower Upper

105 100

120 27.3 21.6 32.4

77 15.6 12.6 19.0

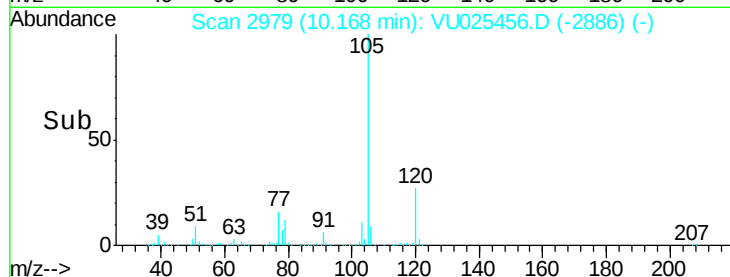


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



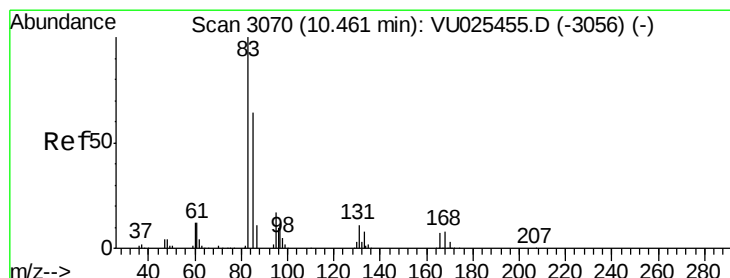
Abundance

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

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 92.180 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

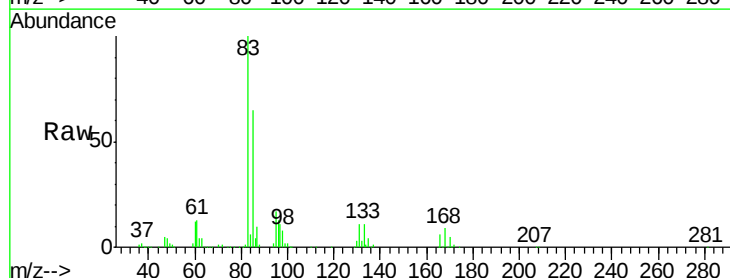
Tgt Ion: 83 Resp: 422644

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

131 10.7 8.9 13.3

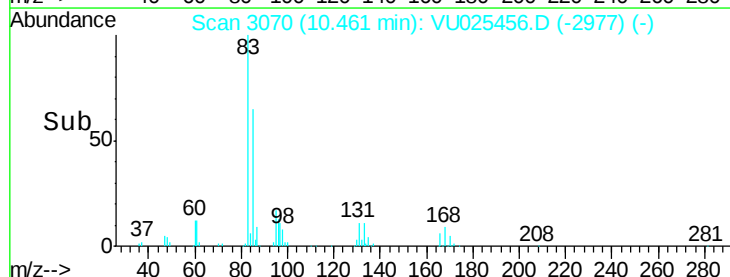


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



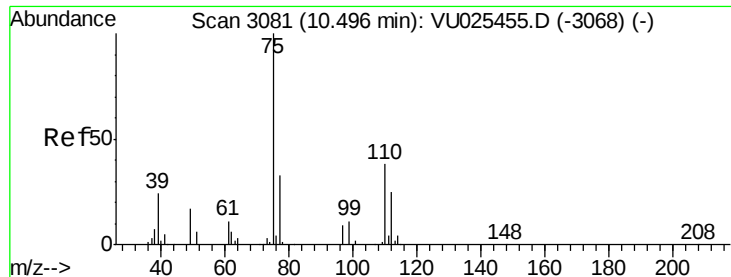
Abundance

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

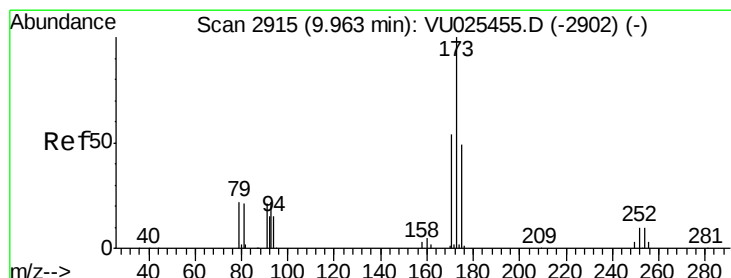
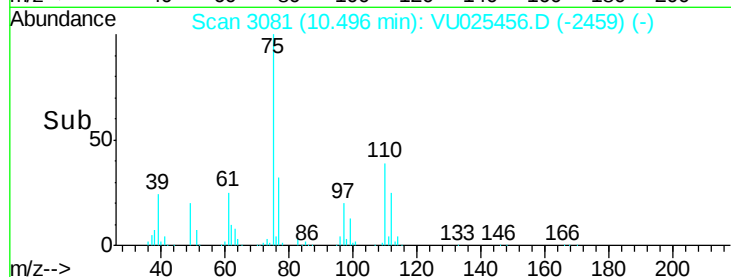
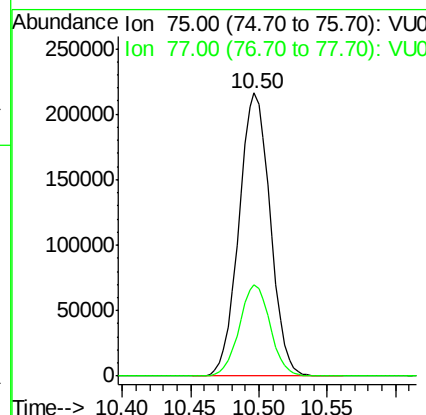
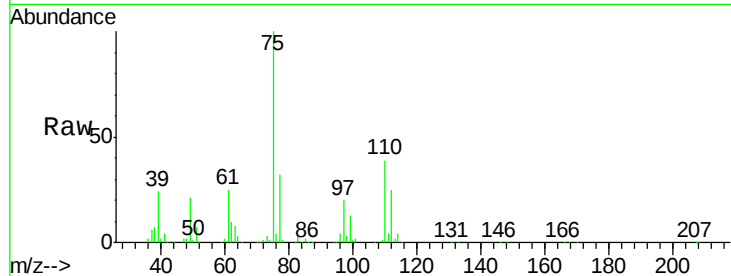
Time-->



#59
1,2,3-Trichloropropane
Concen: 92.021 ug/L
RT: 10.50 min Scan# 3081
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

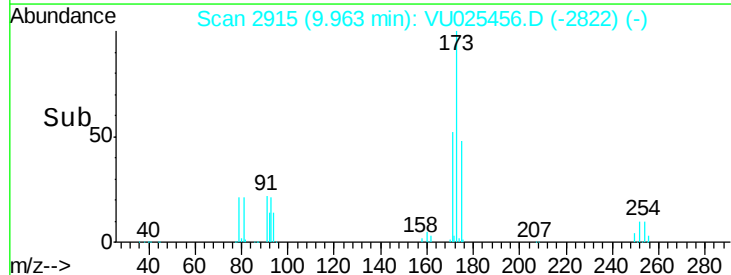
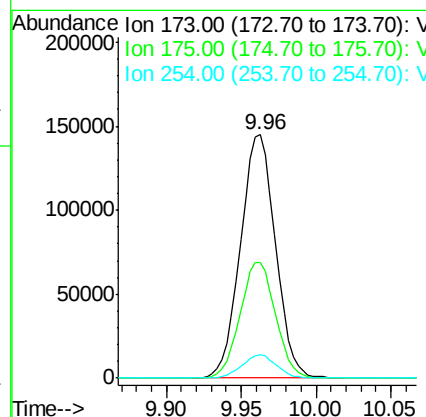
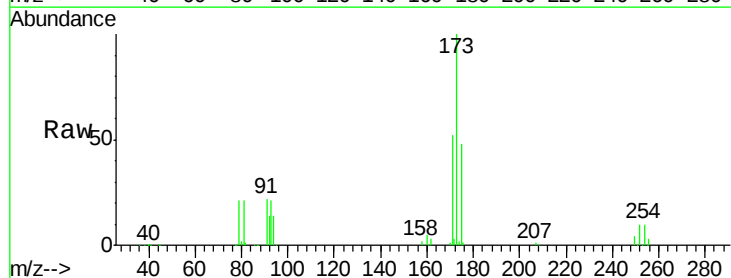
Instrument :
MSVOA_U
ClientSampleId :
VSTD10044

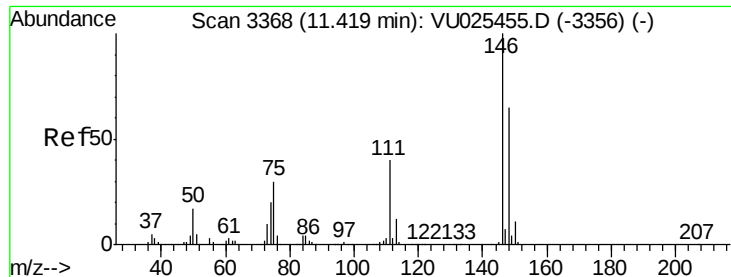
Tgt Ion: 75 Resp: 343719
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2



#61
Bromoform
Concen: 90.349 ug/L
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU025456.D
Acq: 17 Jul 2018 12:43

Tgt Ion: 173 Resp: 236435
Ion Ratio Lower Upper
173 100
175 48.1 39.1 58.7
254 9.4 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 91.654 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

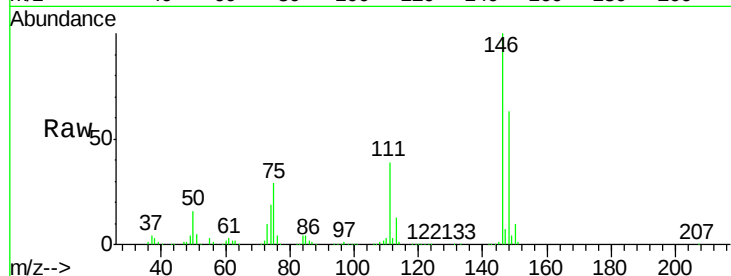
Tgt Ion:146 Resp: 563546

Ion Ratio Lower Upper

146 100

111 39.0 28.1 52.3

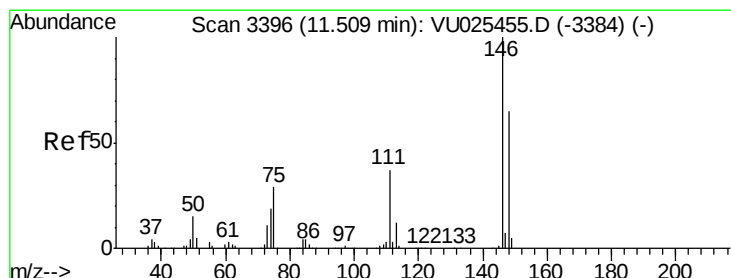
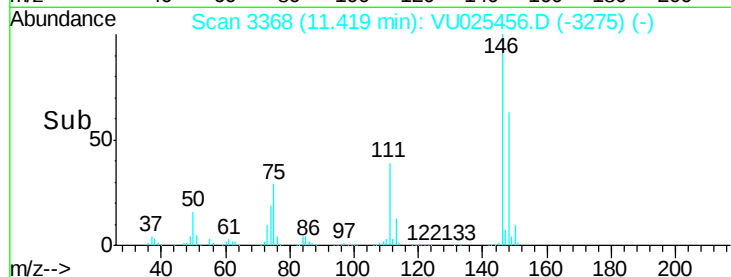
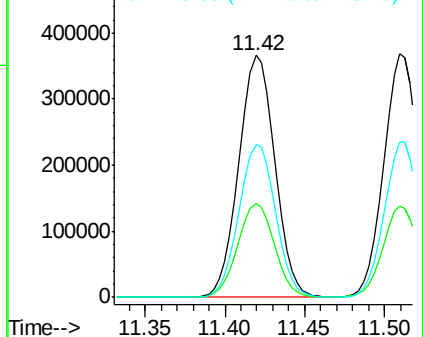
148 63.4 45.1 83.9



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: 91.428 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

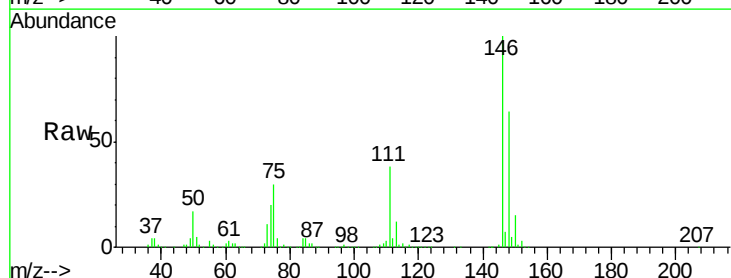
Tgt Ion:146 Resp: 568095

Ion Ratio Lower Upper

146 100

111 37.8 26.4 49.0

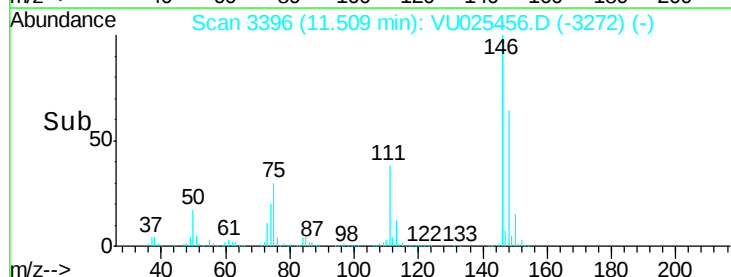
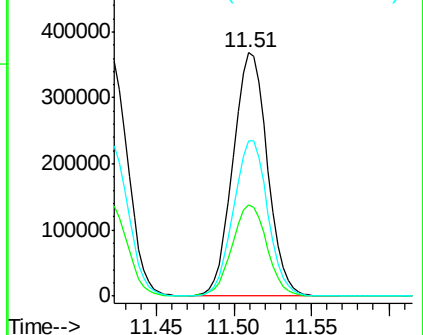
148 63.5 45.6 84.8

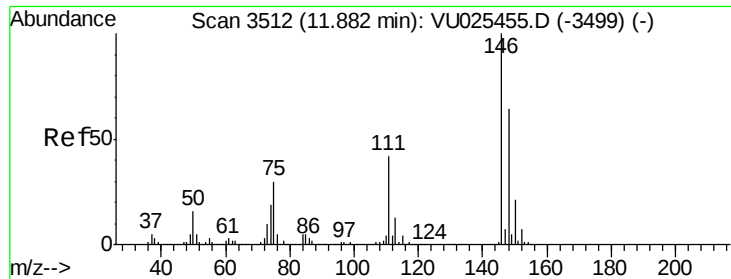


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

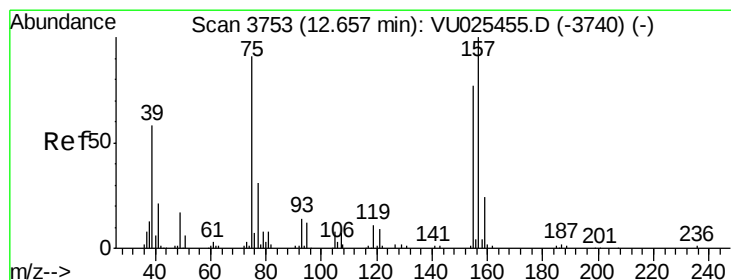
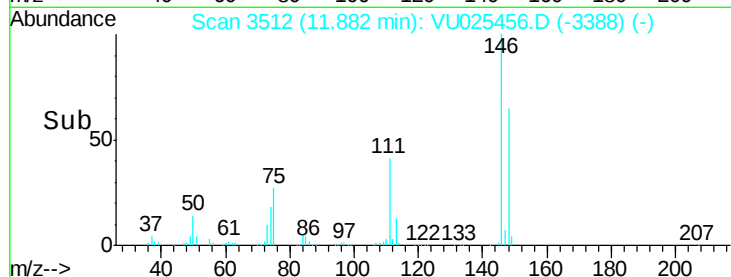
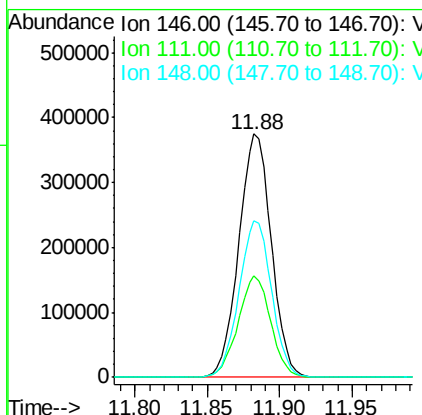
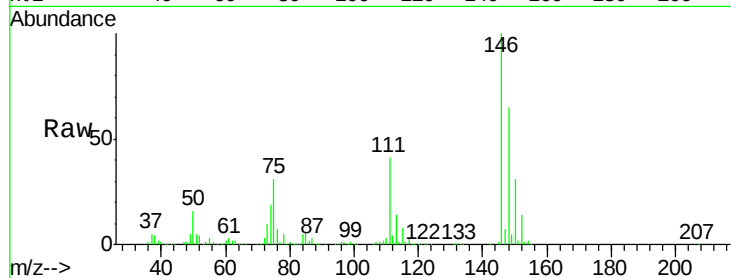




#65
 1,2-Dichlorobenzene
 Concen: 90.038 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

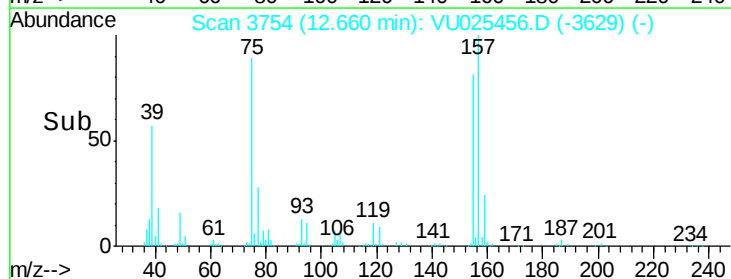
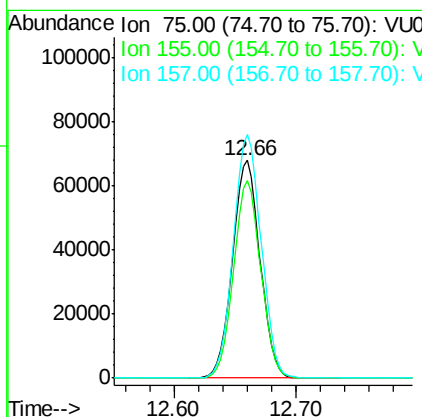
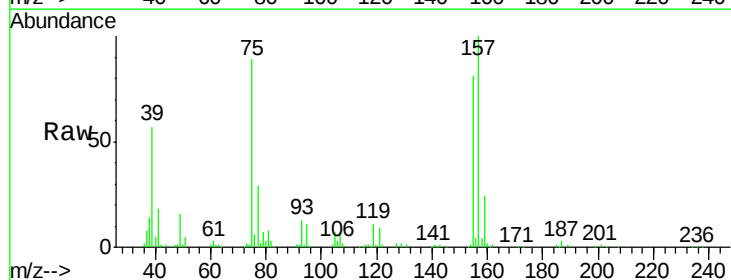
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

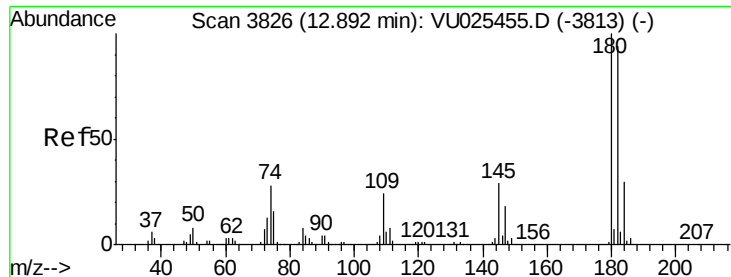
Tgt Ion:146 Resp: 584570
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.8 50.6
 148 64.6 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 87.720 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Tgt Ion: 75 Resp: 106581
 Ion Ratio Lower Upper
 75 100
 155 90.9 67.4 101.0
 157 111.8 87.9 131.9

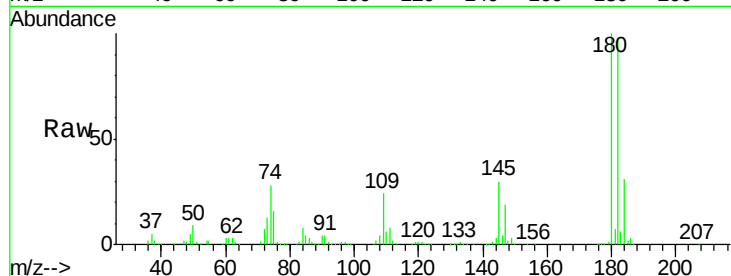




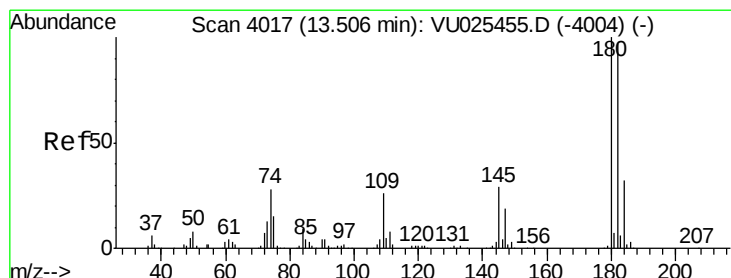
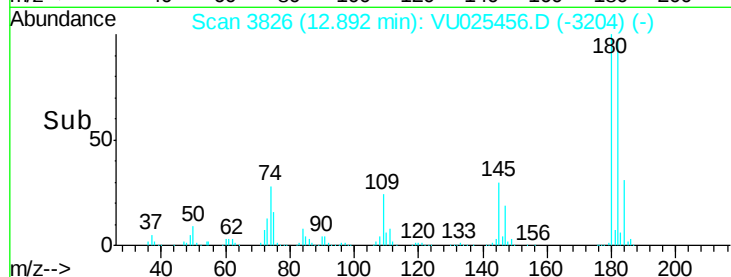
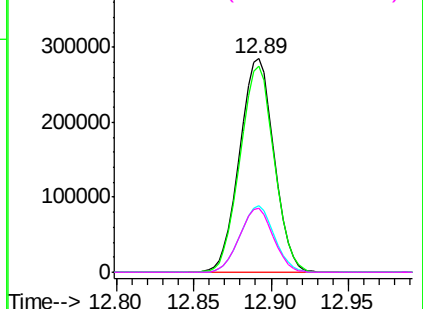
#67
 1,3,5-Trichlorobenzene
 Concen: 93.541 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10044

Tgt Ion:180 Resp: 442082
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.1 112.7
 184 30.7 24.6 36.8
 145 29.4 23.1 34.7

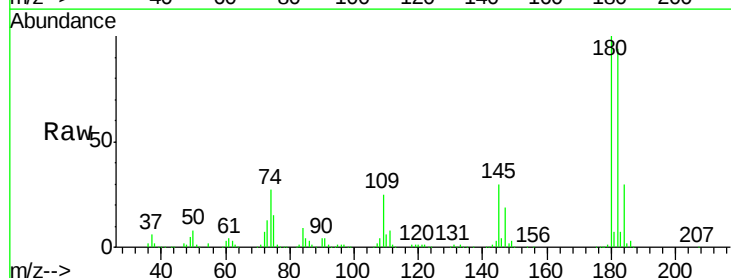


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

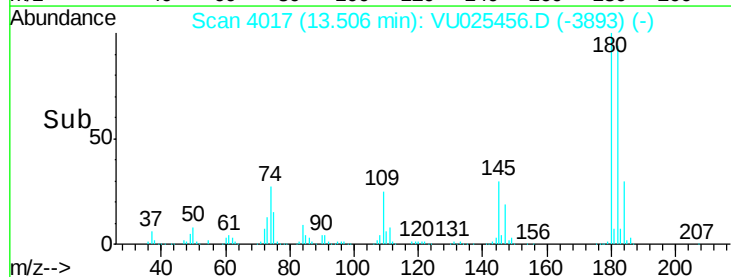
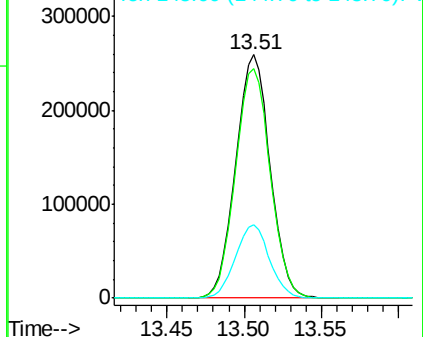


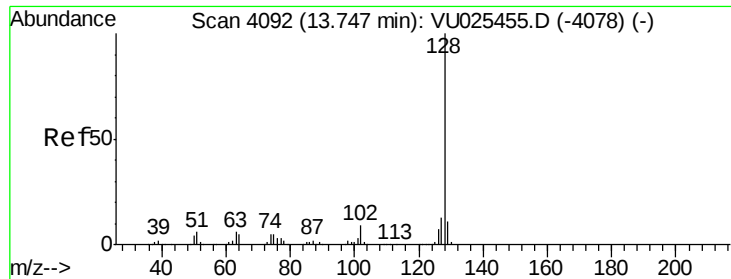
#68
 1,2,4-trichlorobenzene
 Concen: 94.674 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025456.D
 Acq: 17 Jul 2018 12:43

Tgt Ion:180 Resp: 398976
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 115.0
 145 30.0 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: 93.123 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10044

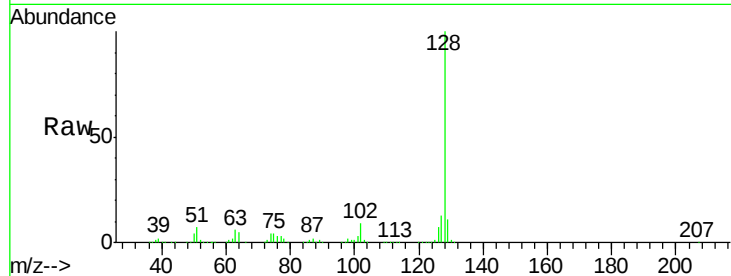
Tgt Ion:128 Resp: 1357880

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

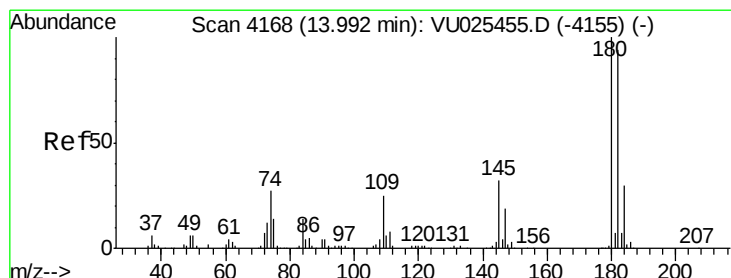
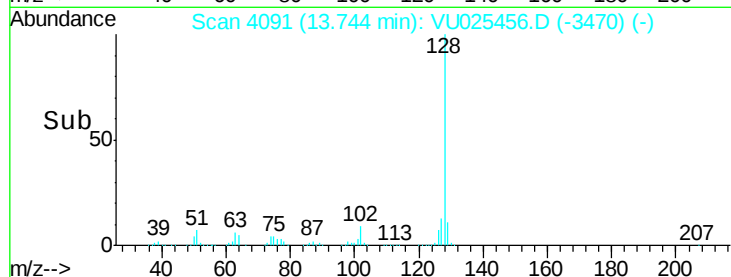
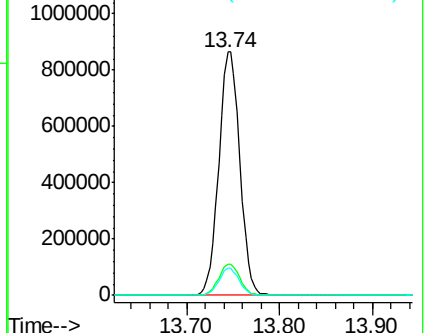
129 10.8 8.9 13.3



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: 92.839 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU025456.D

Acq: 17 Jul 2018 12:43

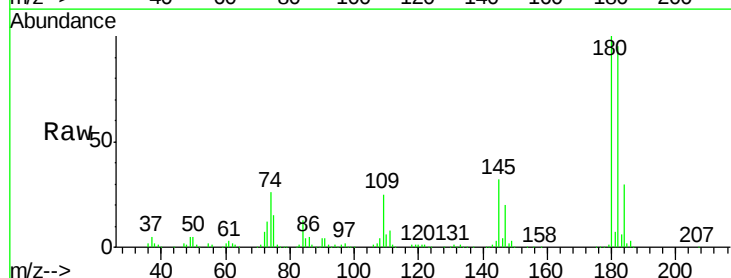
Tgt Ion:180 Resp: 421962

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.8

145 32.0 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

