

Data File : VU024926.D
Acq On : 26 Jun 2018 15:27
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Quant Time: Jun 27 01:10:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 27 01:09:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	359979	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	329944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	177982	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73733	35.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.56%
7) Chloroethane-d5	1.68	69	69395	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.56%
11) 1,1-Dichloroethene-d2	2.28	63	184859	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.80%
21) 2-Butanone-d5	4.17	46	174867	100.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.55%
24) Chloroform-d	4.65	84	205652	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.31	65	144240	55.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.80%
32) Benzene-d6	5.35	84	390834	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
36) 1,2-Dichloropropane-d6	6.33	67	128700	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.57	98	379608	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	64526	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	8.31	63	135661	98.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.87%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	196917	50.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	175531	51.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	144031	49.465 ug/L	99
3) Chloromethane	1.33	50	117137	44.737 ug/L	99
5) Vinyl chloride	1.40	62	121662	43.376 ug/L	99
6) Bromomethane	1.63	94	67865	51.253 ug/L	94
8) Chloroethane	1.70	64	77360	46.971 ug/L	99
9) Trichlorofluoromethane	1.89	101	197040	47.852 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	114105	48.854 ug/L	99
12) 1,1-Dichloroethene	2.29	96	101205	47.300 ug/L	96
13) Acetone	2.32	43	182425	98.259 ug/L	98
14) Carbon disulfide	2.48	76	281875	40.204 ug/L	100
15) Methyl Acetate	2.62	43	133815	47.030 ug/L	99
16) Methylene chloride	2.70	84	124120	47.173 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	109489	45.349 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	398523	50.766 ug/L	98
19) 1,1-Dichloroethane	3.45	63	219984	49.498 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	131536	46.734 ug/L	95
22) 2-Butanone	4.26	43	219497	92.778 ug/L	99

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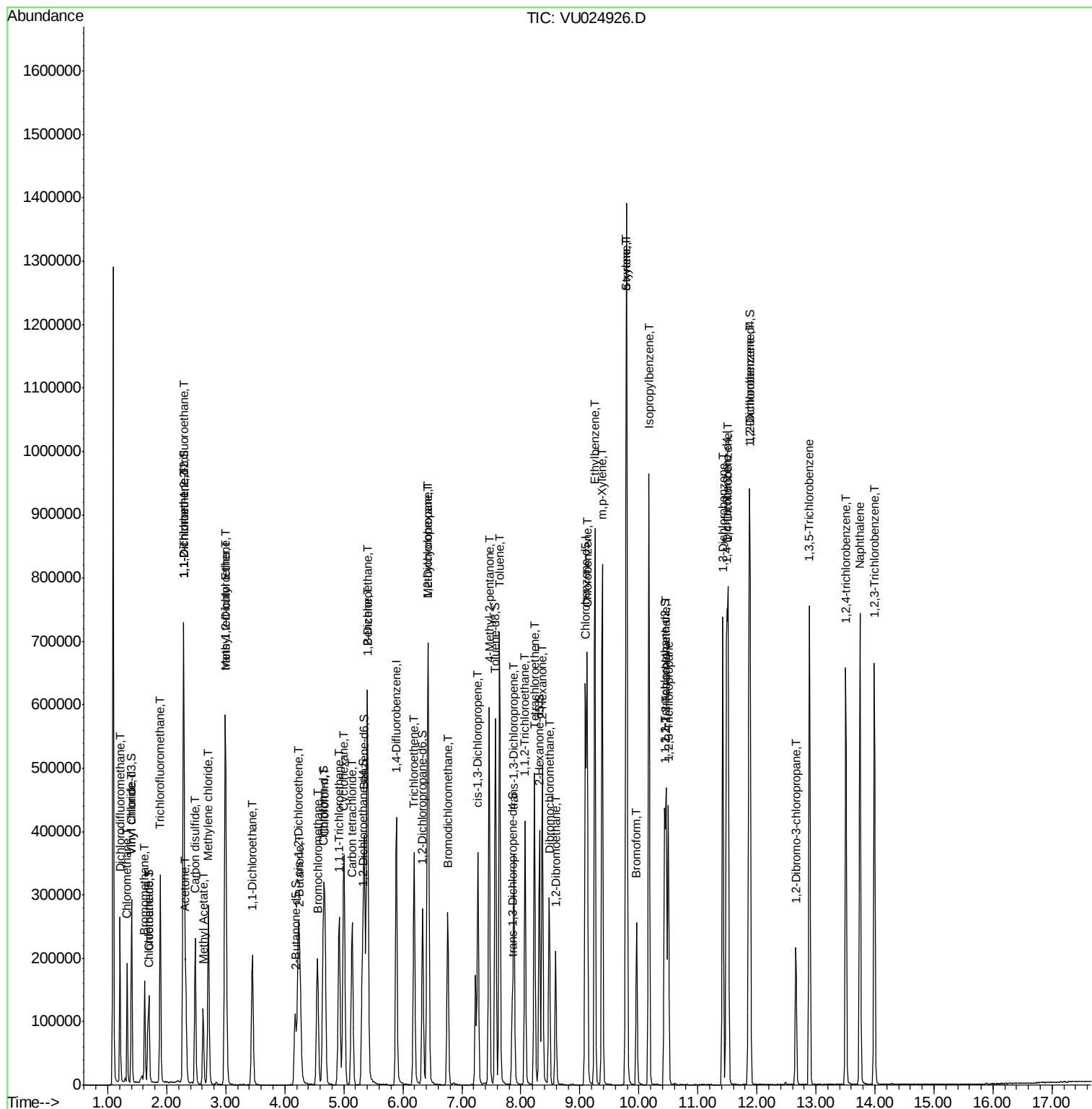
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	68439	48.475	ug/L	98
25) Chloroform	4.68	83	237465	51.801	ug/L	97
27) 1,2-Dichloroethane	5.41	62	195497	55.330	ug/L	95
29) Cyclohexane	5.00	56	198548	48.544	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	206635	51.699	ug/L	99
31) Carbon tetrachloride	5.14	117	184429	50.415	ug/L	99
33) Benzene	5.39	78	477929	49.294	ug/L	100
34) Trichloroethene	6.19	95	126252	47.116	ug/L	97
35) Methylcyclohexane	6.42	83	212334	49.293	ug/L	98
37) 1,2-Dichloropropane	6.44	63	132671	49.227	ug/L	100
38) Bromodichloromethane	6.76	83	175666	49.450	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	202694	47.980	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	385199	96.259	ug/L	99
42) Toluene	7.64	91	525927	48.814	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	192020	49.701	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	126451	49.864	ug/L	99
46) Tetrachloroethene	8.23	164	107206	47.528	ug/L	99
48) 2-Hexanone	8.36	43	318569	97.972	ug/L	99
49) Dibromochloromethane	8.48	129	147262	47.394	ug/L	98
50) 1,2-Dibromoethane	8.59	107	135740	48.773	ug/L	97
51) Chlorobenzene	9.12	112	348500	48.268	ug/L	98
52) Ethylbenzene	9.25	91	603997	48.897	ug/L	100
53) m,p-Xylene	9.38	106	234432	49.318	ug/L	99
54) o-xylene	9.78	106	234499	50.005	ug/L	97
55) Styrene	9.80	104	392810	49.261	ug/L	98
56) Isopropylbenzene	10.17	105	625082	50.520	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	213742	48.917	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	173115	50.530	ug/L	98
61) Bromoform	9.96	173	113980	44.155	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	289318	48.380	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	290579	48.174	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	303035	50.635	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	52413	50.043	ug/L	85
67) 1,3,5-Trichlorobenzene	12.89	180	231126	48.340	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	199200	50.093	ug/L	99
69) Naphthalene	13.74	128	585914	53.346	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	205902	51.063	ug/L	99

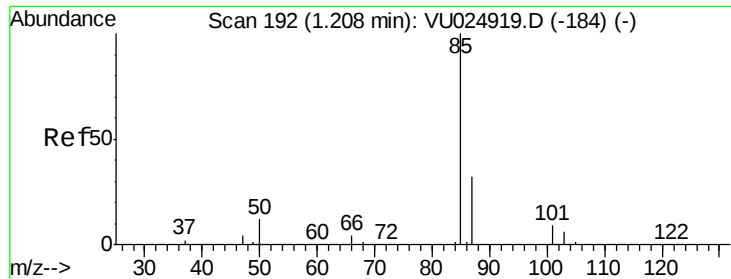
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.465 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

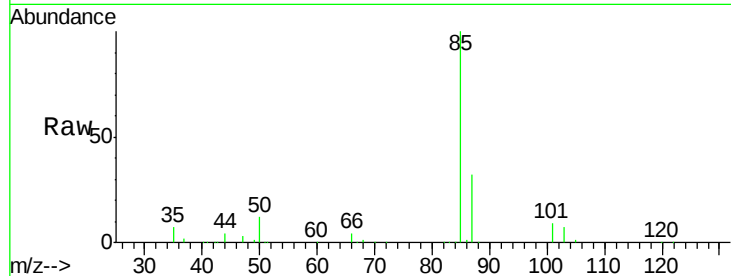
VSTD05055

Tgt Ion: 85 Resp: 144031

Ion Ratio Lower Upper

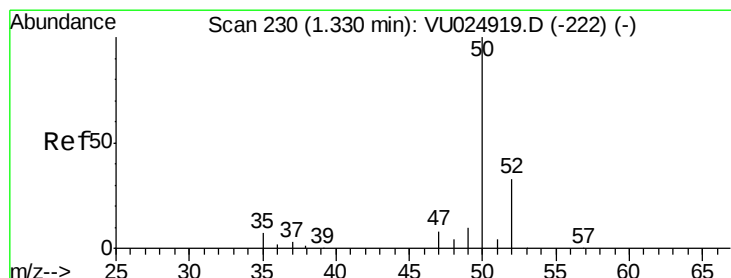
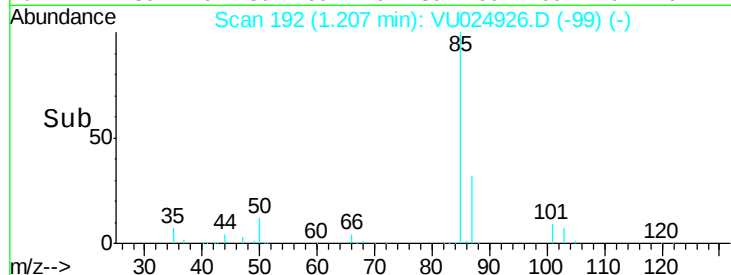
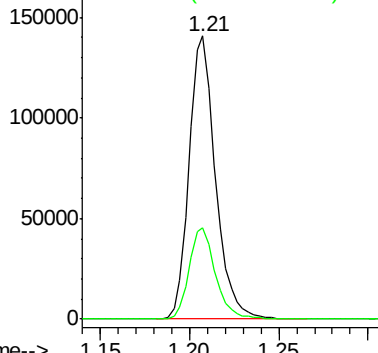
85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 44.737 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024926.D

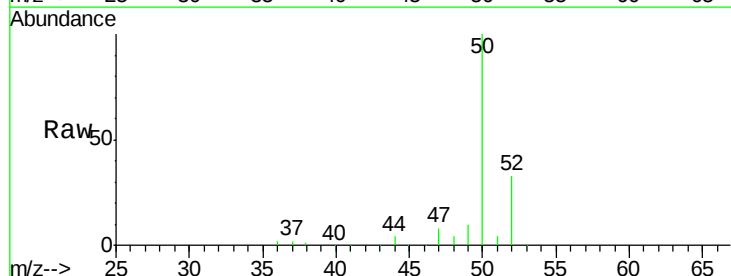
Acq: 26 Jun 2018 15:27

Tgt Ion: 50 Resp: 117137

Ion Ratio Lower Upper

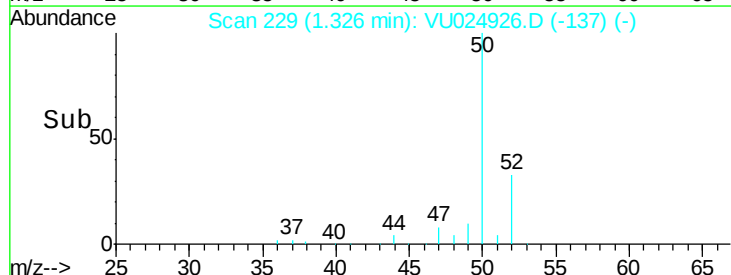
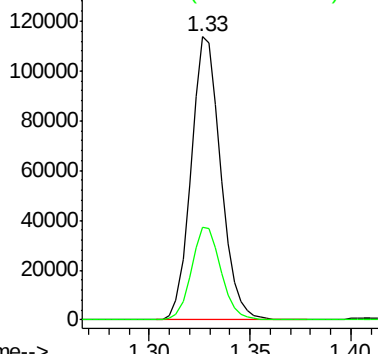
50 100

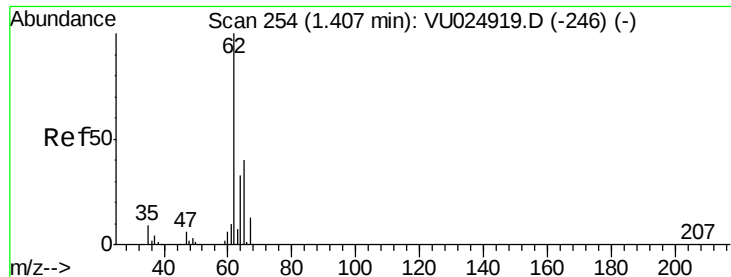
52 32.7 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 43.376 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

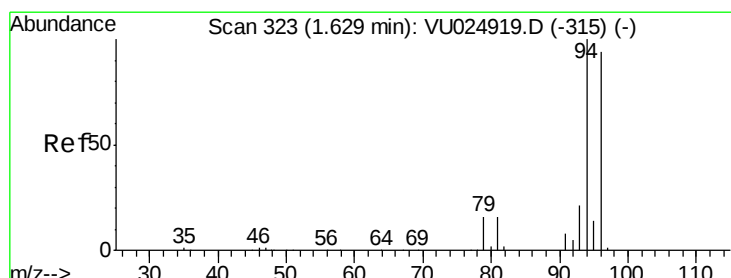
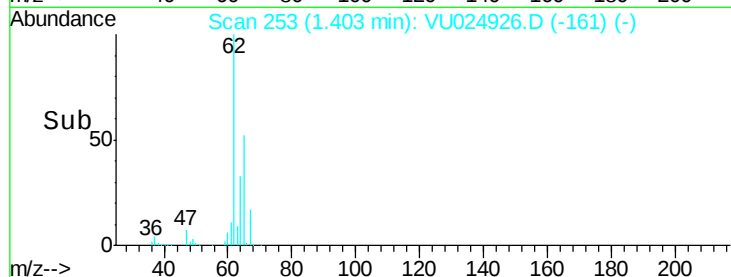
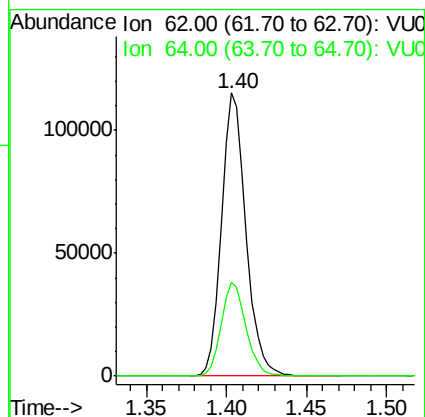
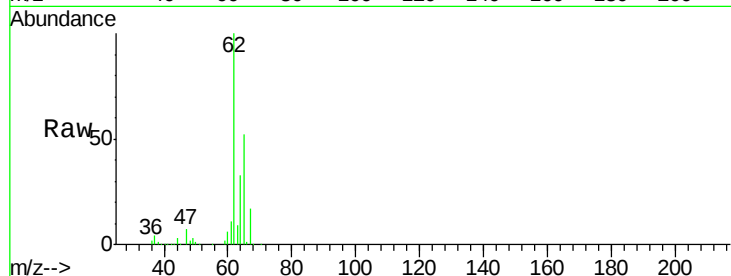
VSTD05055

Tgt Ion: 62 Resp: 121662

Ion Ratio Lower Upper

62 100

64 33.2 23.7 44.1



#6

Bromomethane

Concen: 51.253 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU024926.D

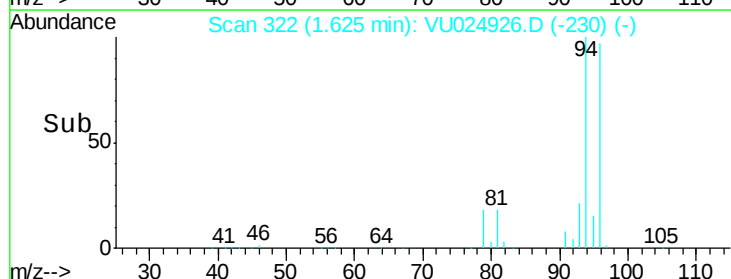
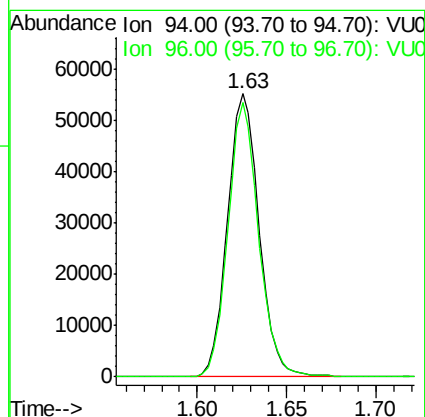
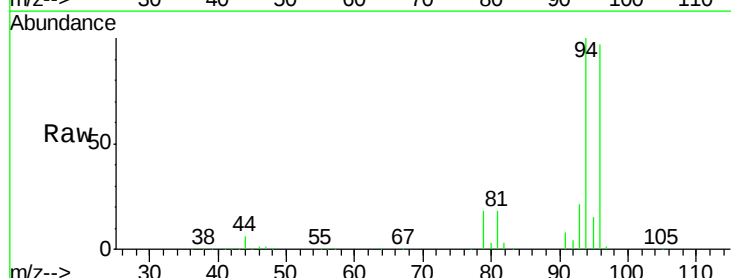
Acq: 26 Jun 2018 15:27

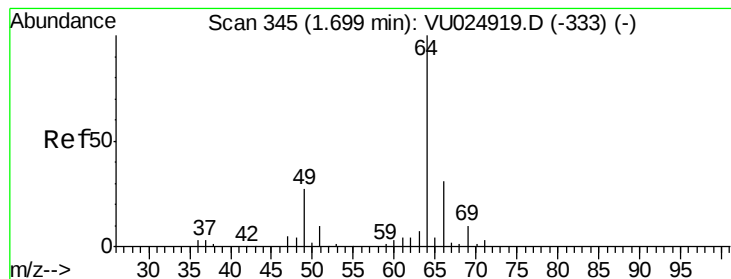
Tgt Ion: 94 Resp: 67865

Ion Ratio Lower Upper

94 100

96 96.8 64.0 119.0





#8

Chloroethane

Concen: 46.971 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

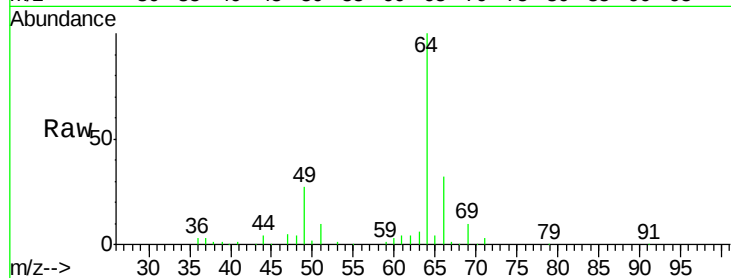
VSTD05055

Tgt Ion: 64 Resp: 77360

Ion Ratio Lower Upper

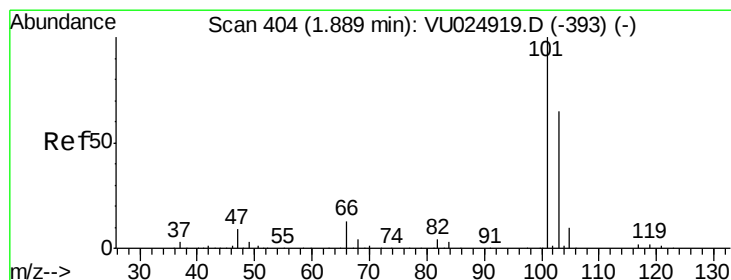
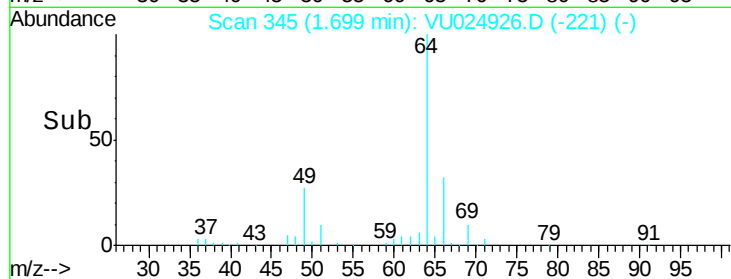
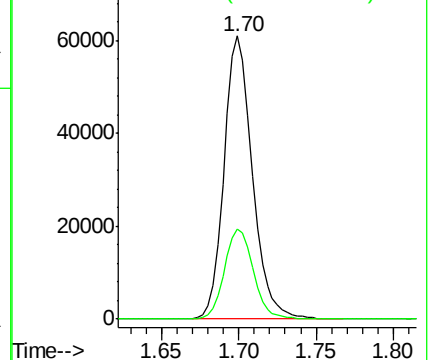
64 100

66 31.9 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 47.852 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU024926.D

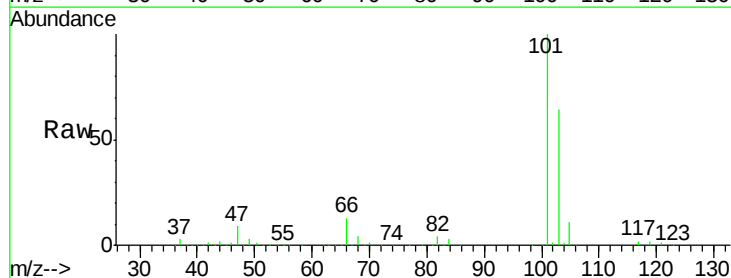
Acq: 26 Jun 2018 15:27

Tgt Ion: 101 Resp: 197040

Ion Ratio Lower Upper

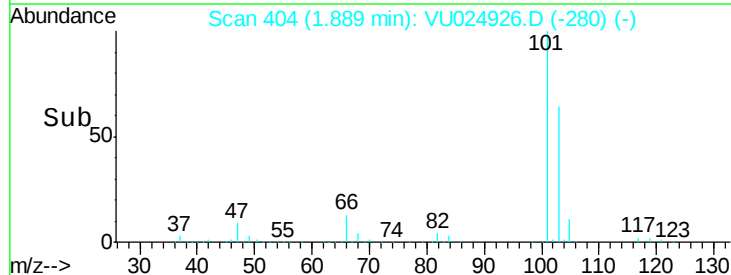
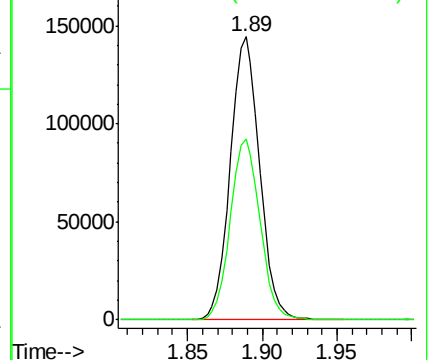
101 100

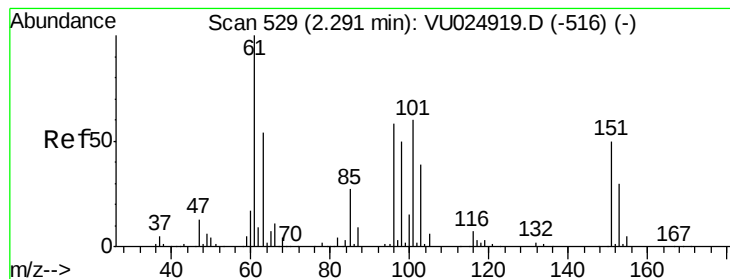
103 64.8 51.8 77.6



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: 48.854 ug/L

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

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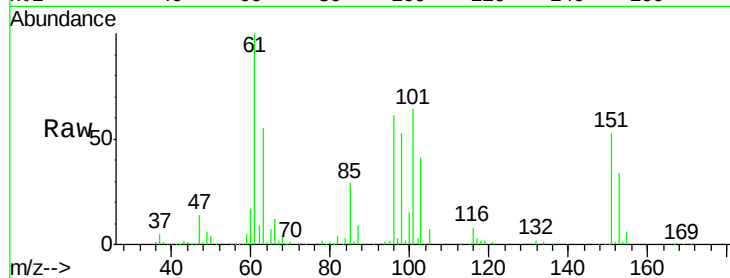
Tgt Ion: 101 Resp: 114105

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

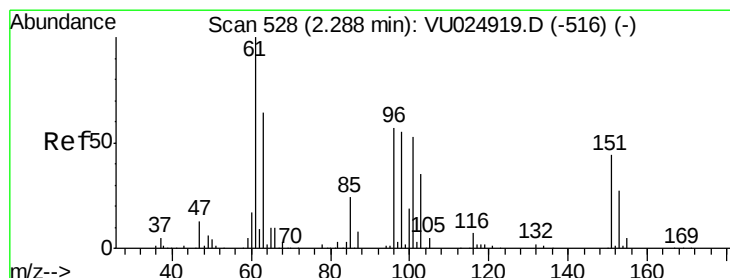
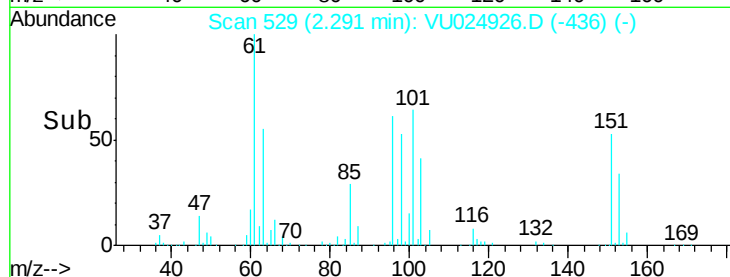
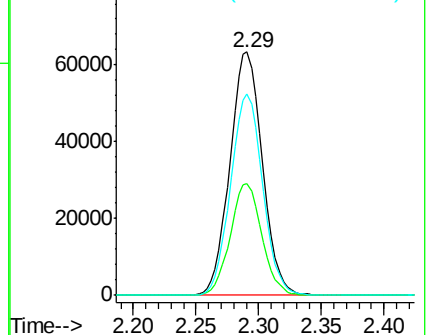
151 81.7 64.6 97.0



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: 47.300 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

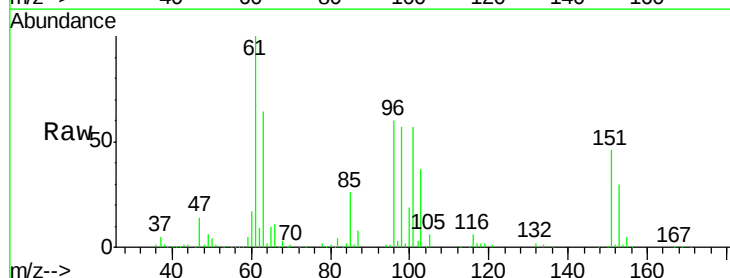
Tgt Ion: 96 Resp: 101205

Ion Ratio Lower Upper

96 100

61 166.7 117.9 218.9

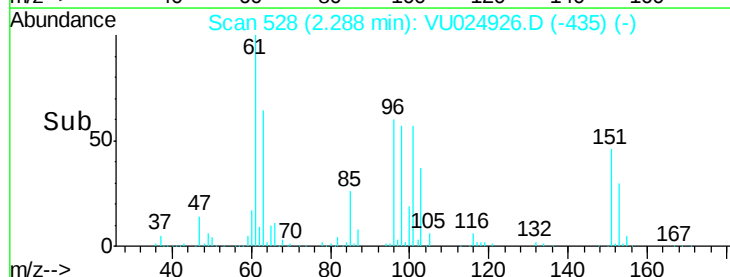
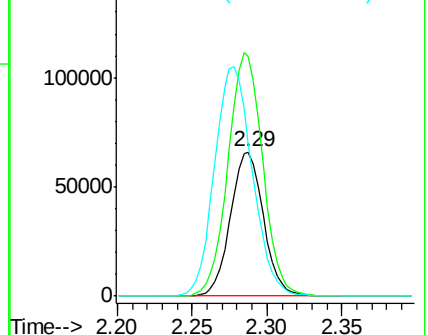
63 106.3 81.4 151.2

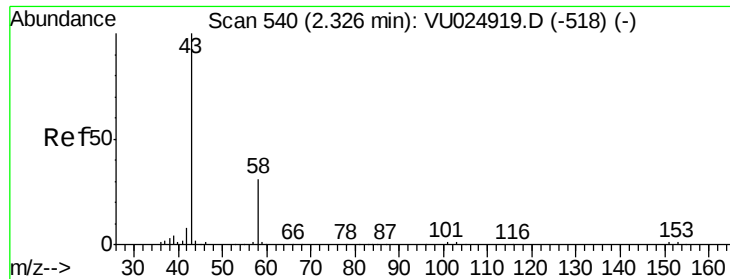


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 98.259 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.01 min

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MSVOA_U

ClientSampleId :

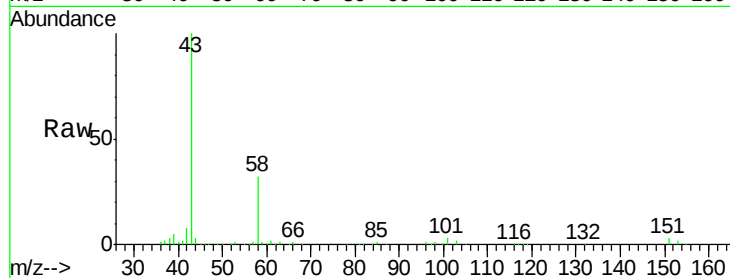
VSTD05055

Tgt Ion: 43 Resp: 182425

Ion Ratio Lower Upper

43 100

58 31.0 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

120000

100000

80000

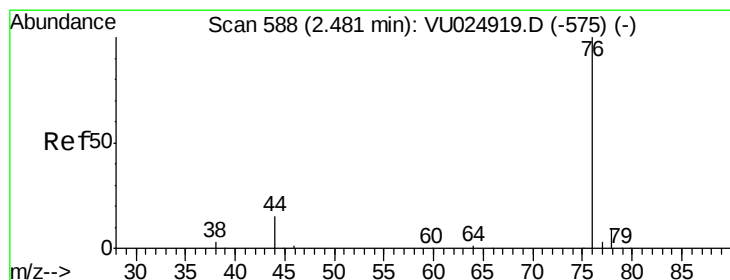
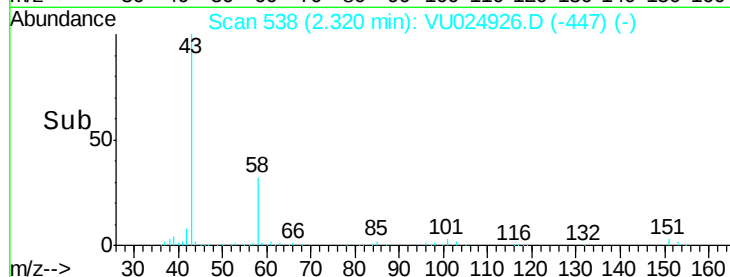
60000

40000

20000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 40.204 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024926.D

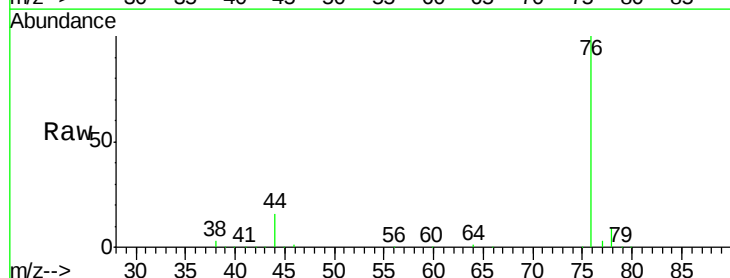
Acq: 26 Jun 2018 15:27

Tgt Ion: 76 Resp: 281875

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

200000

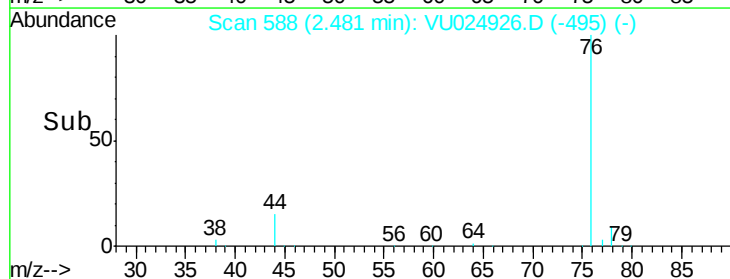
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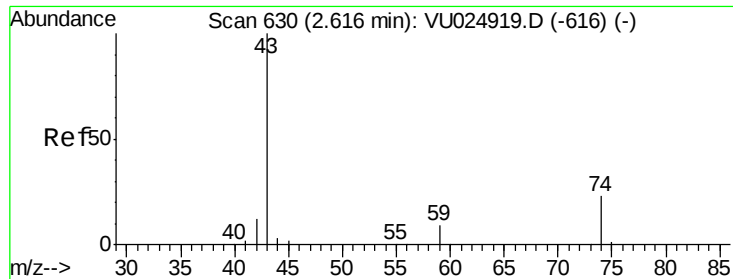
100000

50000

0

Time--> 2.40 2.45 2.50 2.55 2.60

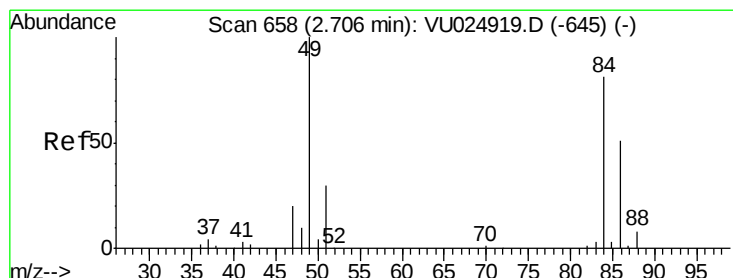
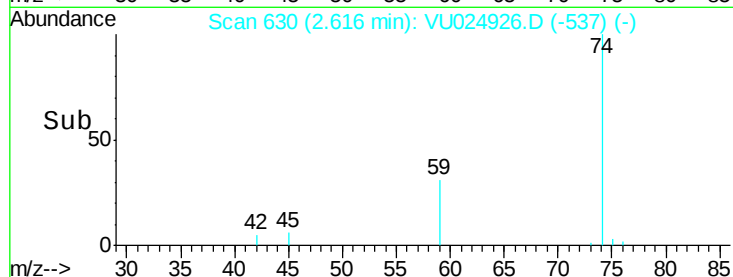
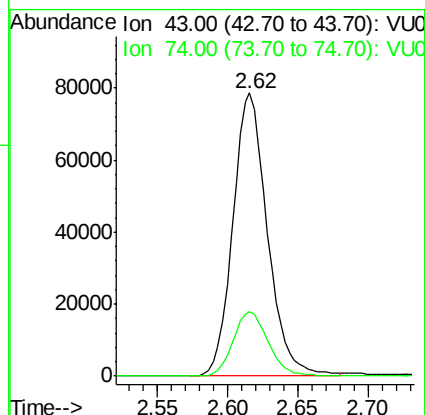
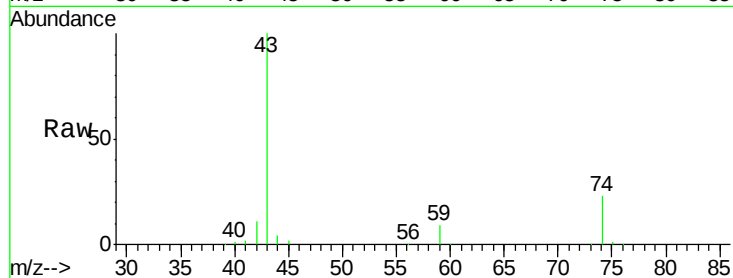




#15
Methyl Acetate
Concen: 47.030 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

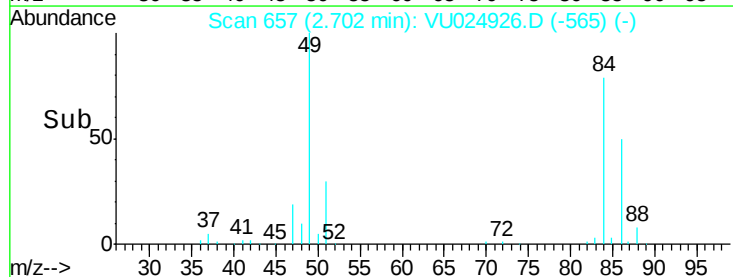
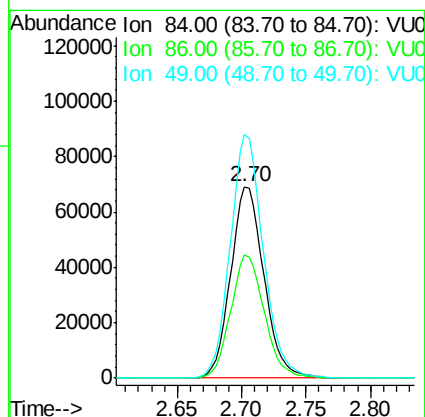
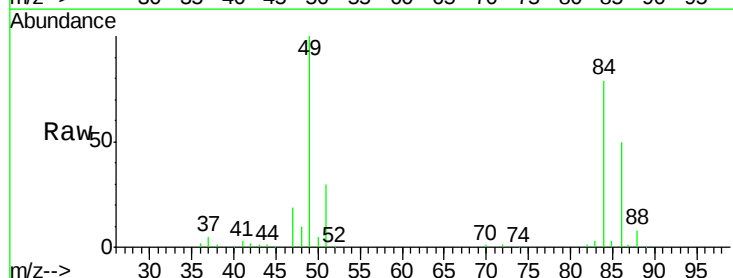
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

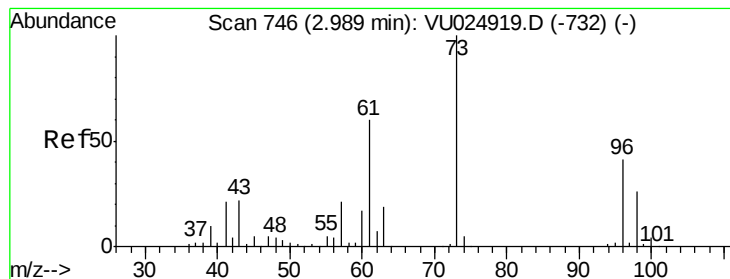
Tgt Ion: 43 Resp: 133815
Ion Ratio Lower Upper
43 100
74 23.4 18.4 27.6



#16
Methylene chloride
Concen: 47.173 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 84 Resp: 124120
Ion Ratio Lower Upper
84 100
86 64.1 46.1 85.7
49 127.1 85.5 158.9





#17

trans-1,2-Dichloroethene

Concen: 45.349 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

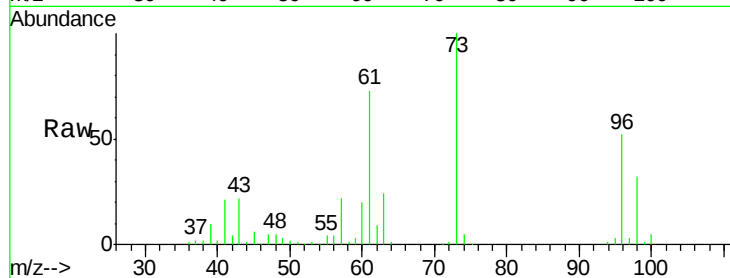
Tgt Ion: 96 Resp: 109489

Ion Ratio Lower Upper

96 100

61 140.8 97.4 180.8

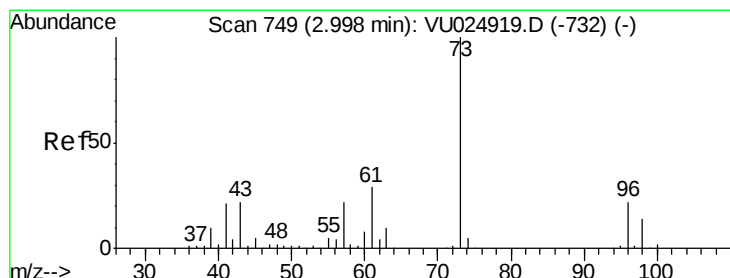
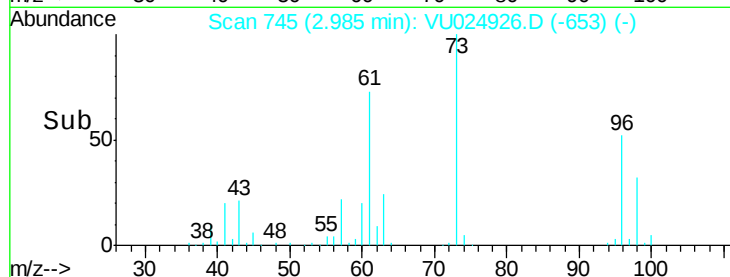
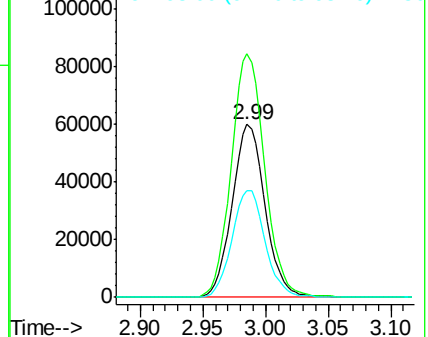
98 61.8 44.9 83.5



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: 50.766 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

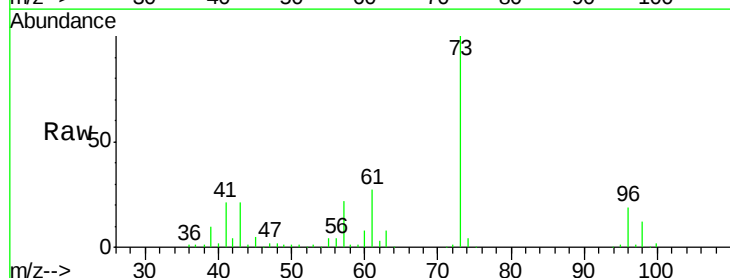
Tgt Ion: 73 Resp: 398523

Ion Ratio Lower Upper

73 100

43 21.8 16.4 24.6

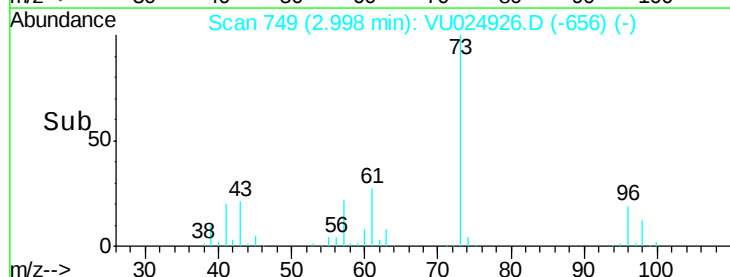
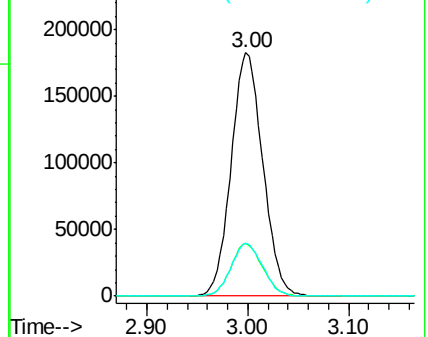
57 21.7 17.9 26.9

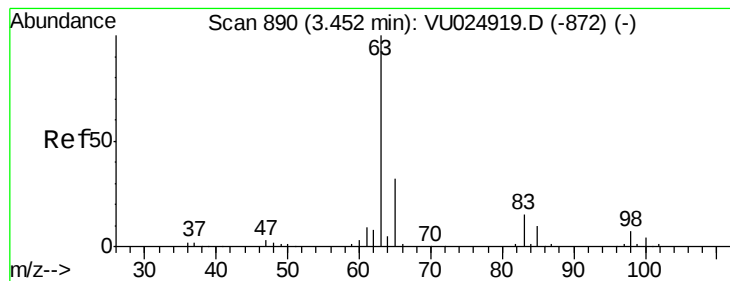


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.498 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

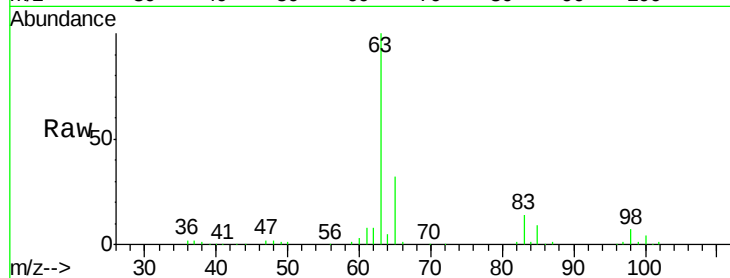
Tgt Ion: 63 Resp: 219984

Ion Ratio Lower Upper

63 100

65 31.6 22.2 41.2

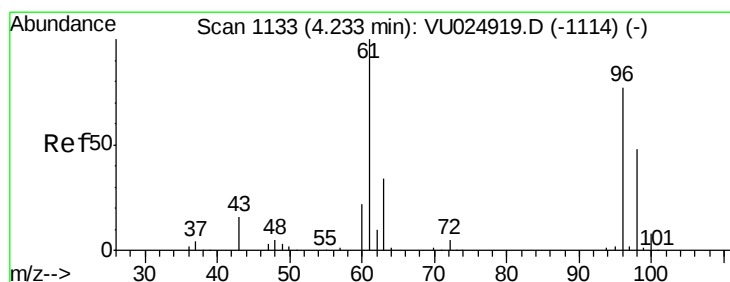
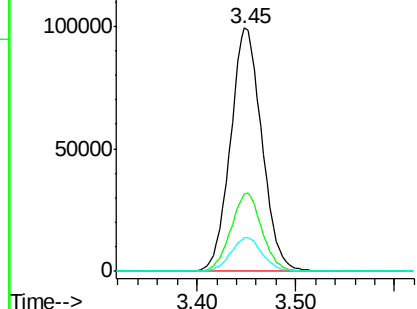
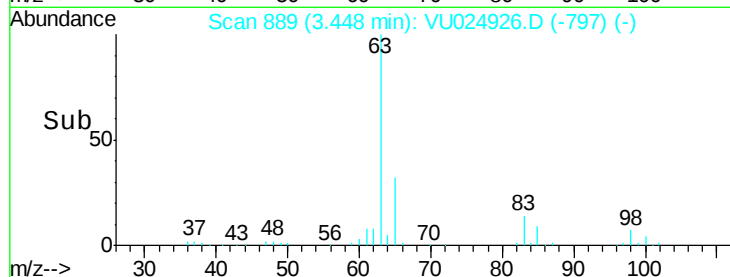
83 13.6 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VU024919.D (-872) (-)

Ion 65.00 (64.70 to 65.70): VU024919.D (-872) (-)

Ion 83.00 (82.70 to 83.70): VU024919.D (-872) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.734 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

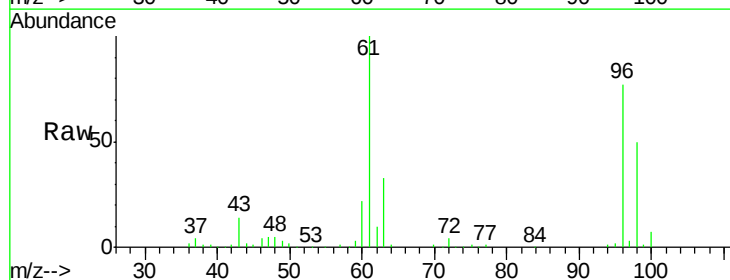
Tgt Ion: 96 Resp: 131536

Ion Ratio Lower Upper

96 100

61 130.4 87.1 161.7

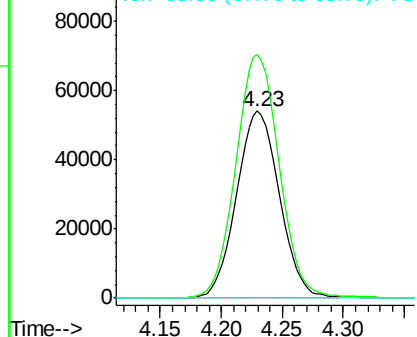
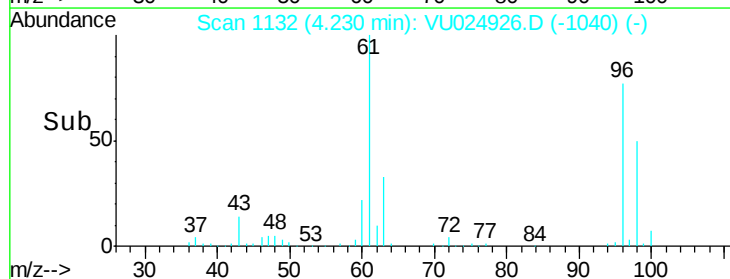
68 0.0 0.0 0.0

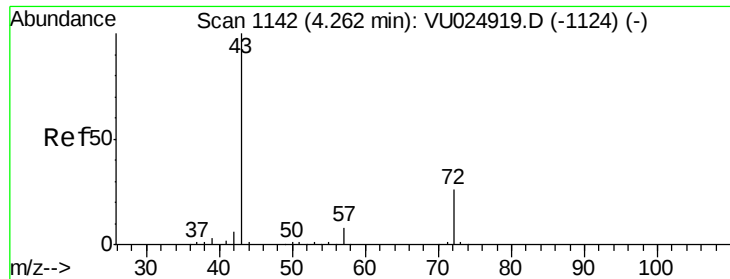


Abundance Ion 96.00 (95.70 to 96.70): VU024919.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU024919.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU024919.D (-1114) (-)





#22

2-Butanone

Concen: 92.778 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

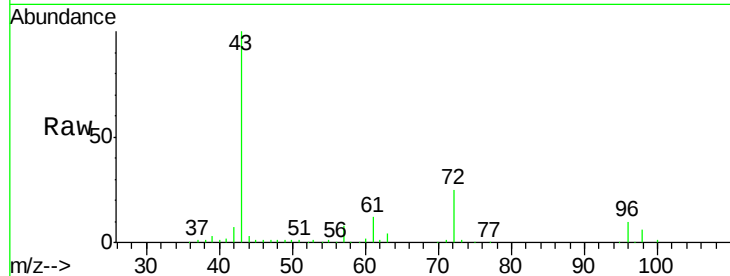
VSTD05055

Tgt Ion: 43 Resp: 219497

Ion Ratio Lower Upper

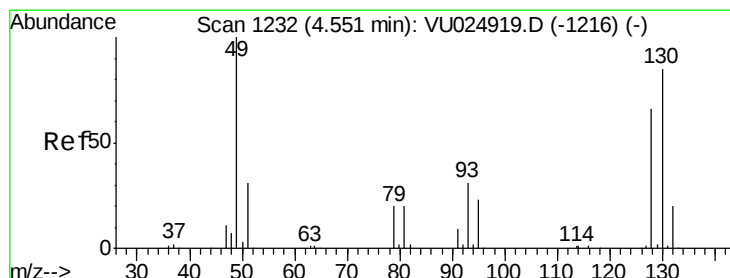
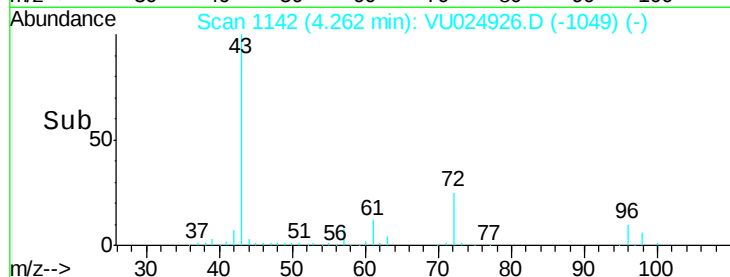
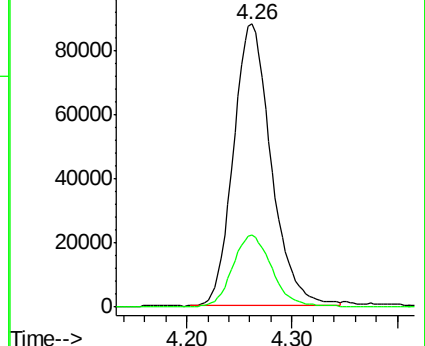
43 100

72 26.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU024926.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU024926.D (-1049) (-)



#23

Bromochloromethane

Concen: 48.475 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Tgt Ion: 128 Resp: 68439

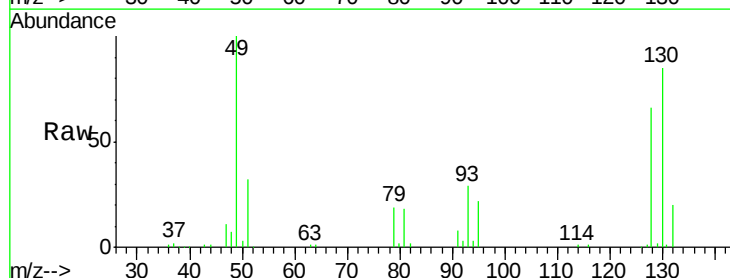
Ion Ratio Lower Upper

128 100

49 152.6 104.7 194.5

130 130.5 90.2 167.6

51 49.0 38.4 57.6

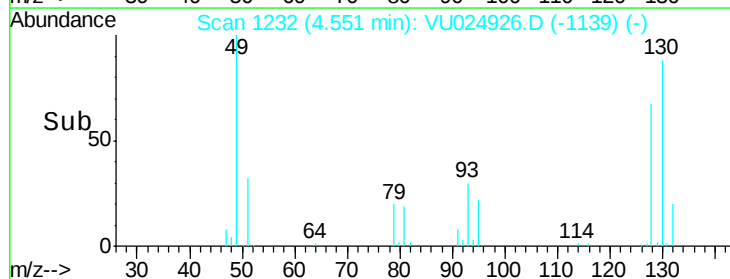
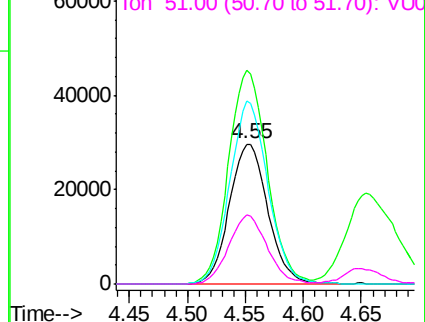


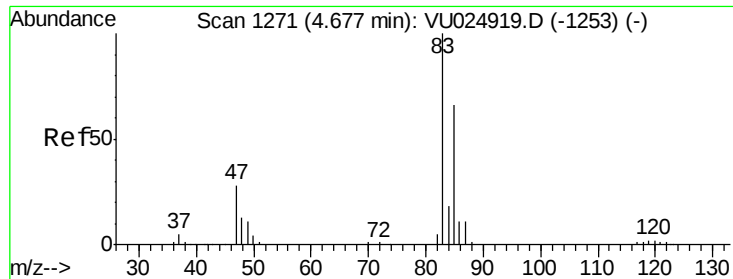
Abundance Ion 128.00 (127.70 to 128.70): VU024926.D (-1139) (-)

Ion 49.00 (48.70 to 49.70): VU024926.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU024926.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU024926.D (-1139) (-)

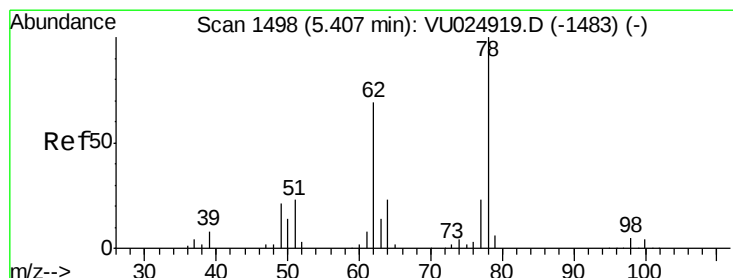
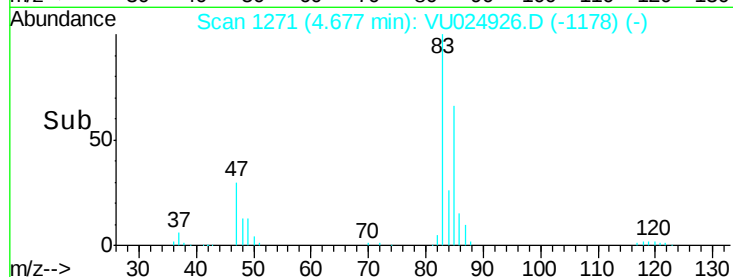
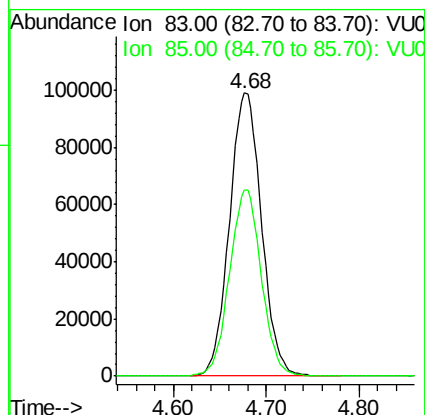
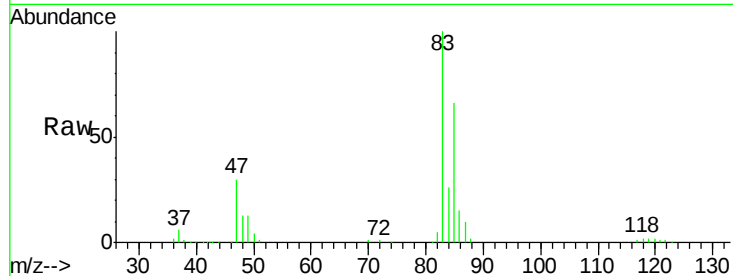




#25
Chloroform
Concen: 51.801 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

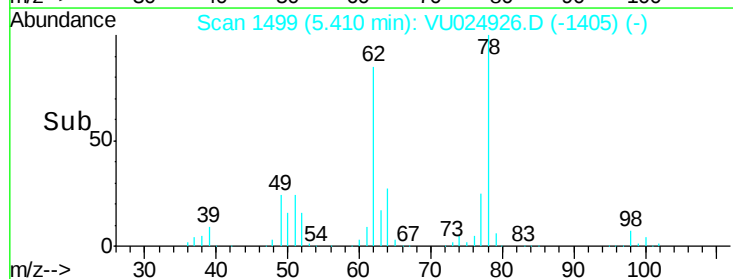
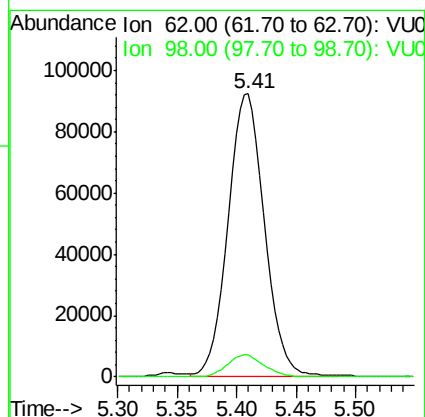
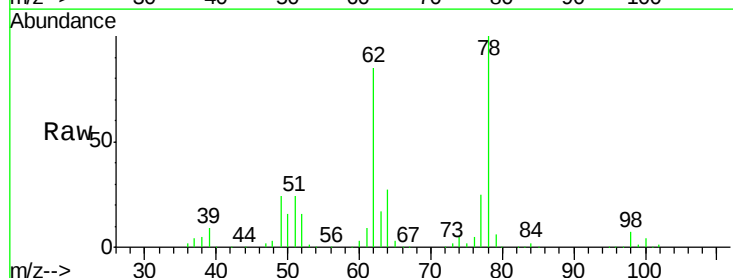
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

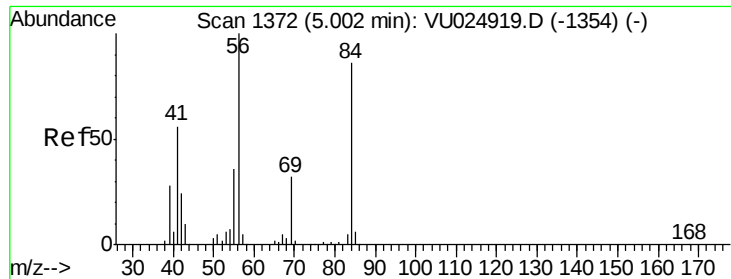
Tgt Ion: 83 Resp: 237465
Ion Ratio Lower Upper
83 100
85 65.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 55.330 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 62 Resp: 195497
Ion Ratio Lower Upper
62 100
98 7.7 7.4 11.2

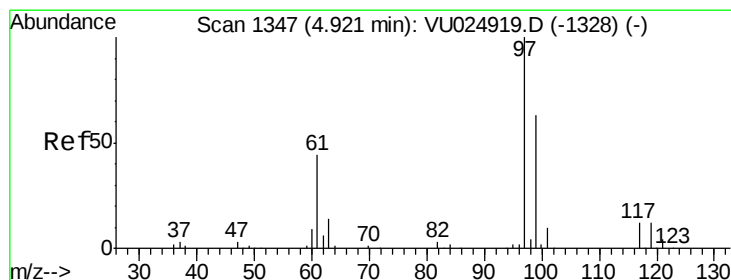
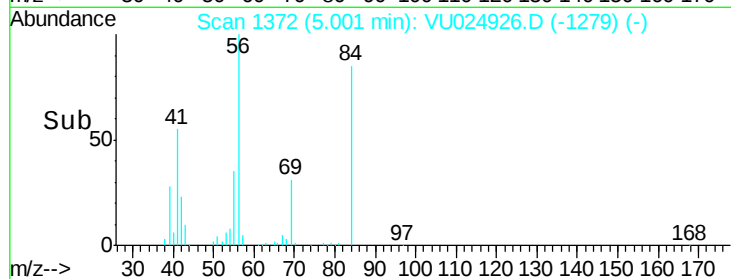
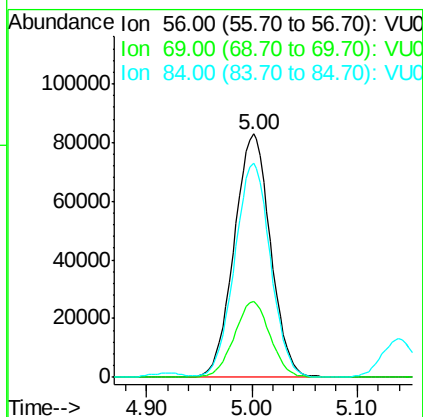
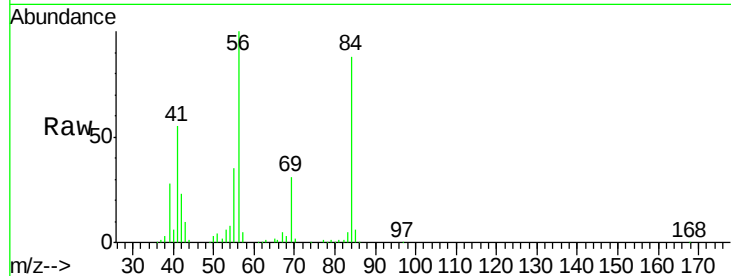




#29
Cyclohexane
Concen: 48.544 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

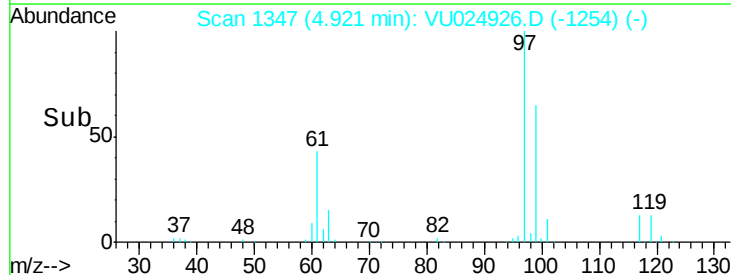
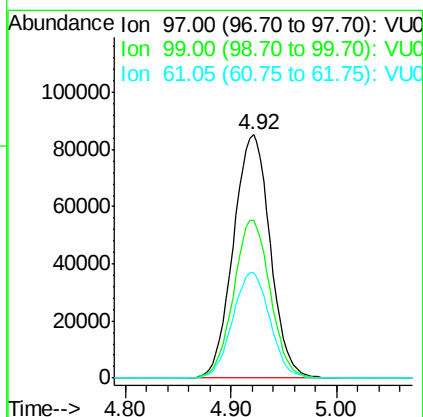
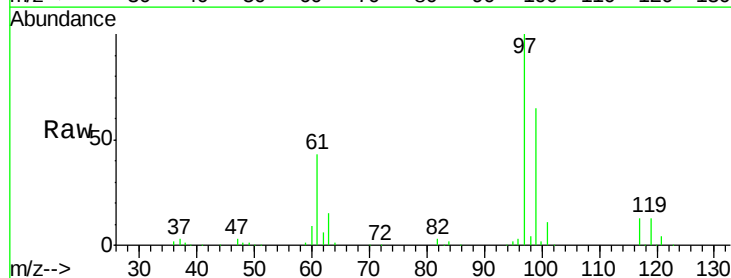
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

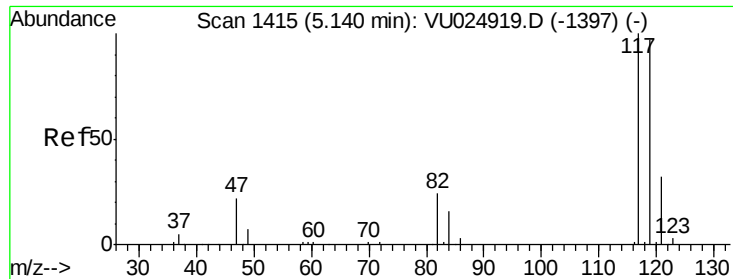
Tgt Ion: 56 Resp: 198548
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 87.0 68.8 103.2



#30
1,1,1-Trichloroethane
Concen: 51.699 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 97 Resp: 206635
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 44.0 33.8 50.8

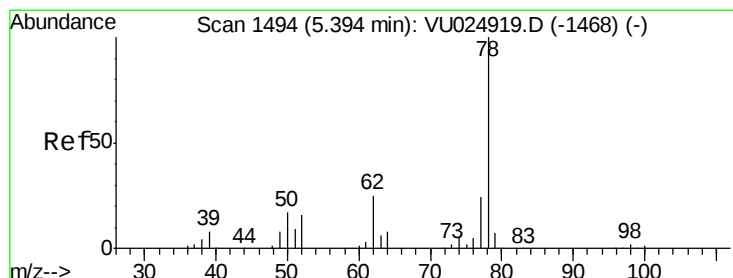
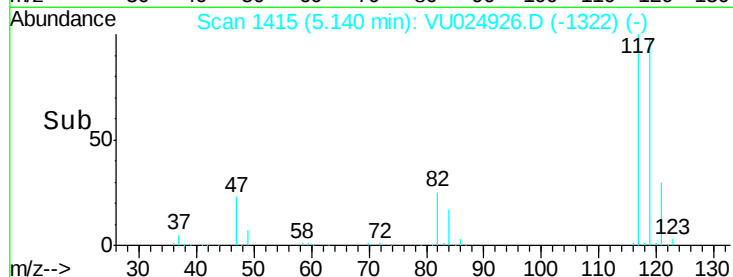
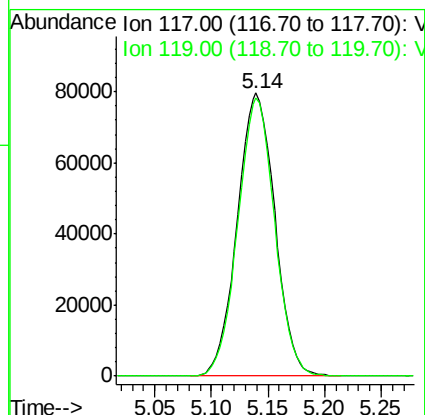
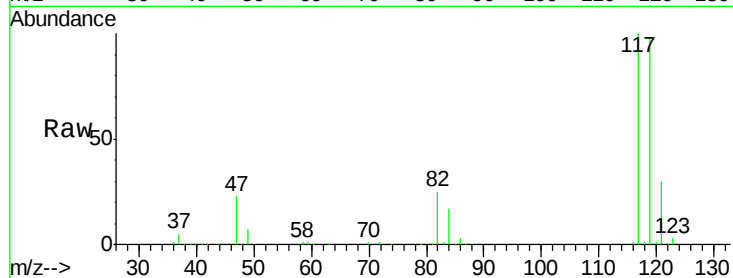




#31
Carbon tetrachloride
Concen: 50.415 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

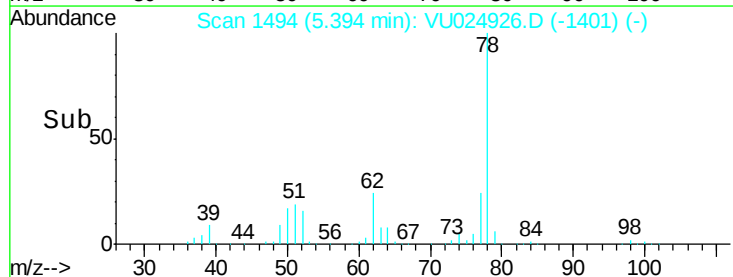
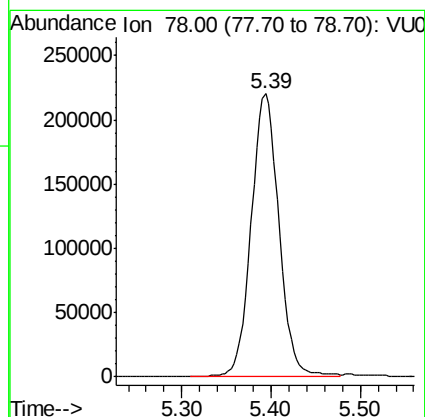
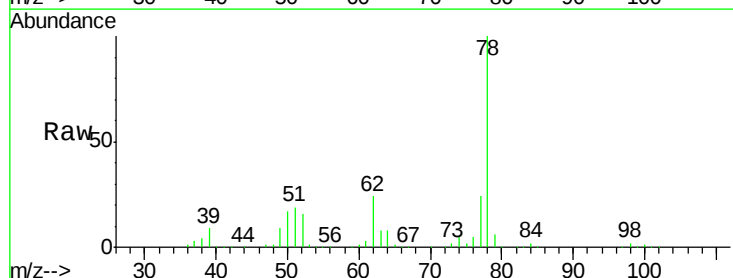
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

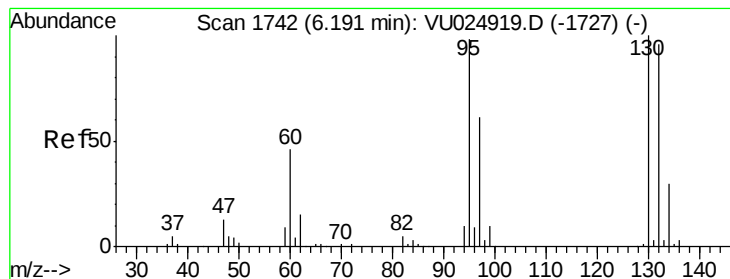
Tgt Ion:117 Resp: 184429
Ion Ratio Lower Upper
117 100
119 96.0 77.7 116.5



#33
Benzene
Concen: 49.294 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 78 Resp: 477929





#34

Trichloroethene

Concen: 47.116 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

Tgt Ion: 95 Resp: 126252

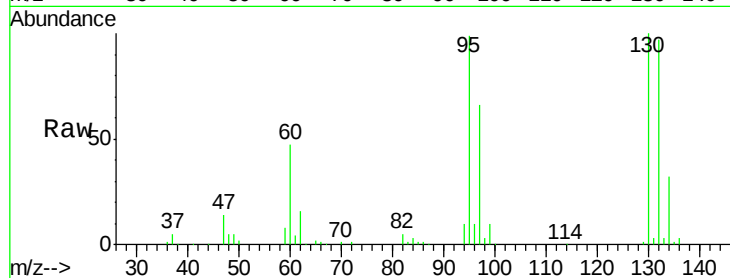
Ion Ratio Lower Upper

95 100

97 66.2 44.8 83.2

132 97.5 70.4 130.8

130 101.0 72.6 134.8

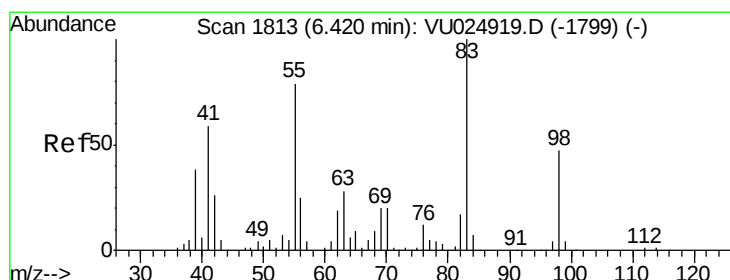
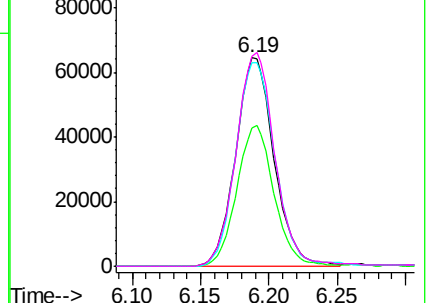
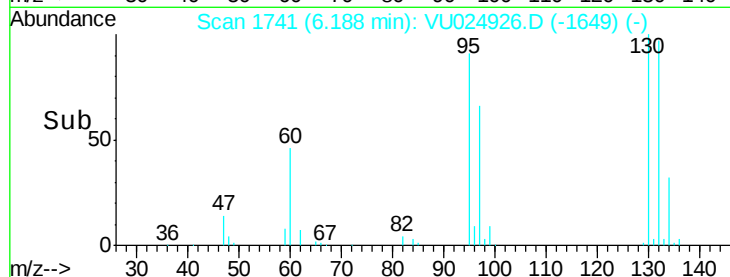


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.293 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

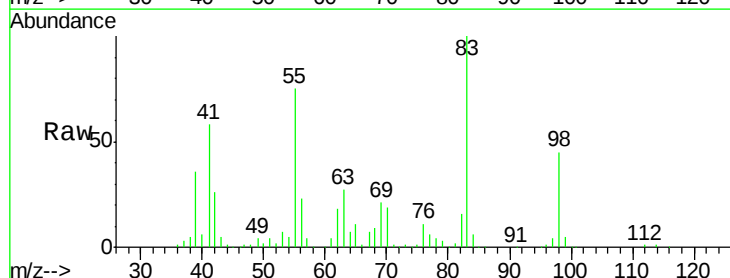
Tgt Ion: 83 Resp: 212334

Ion Ratio Lower Upper

83 100

55 77.1 59.4 89.0

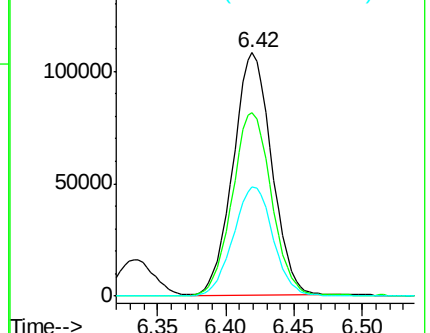
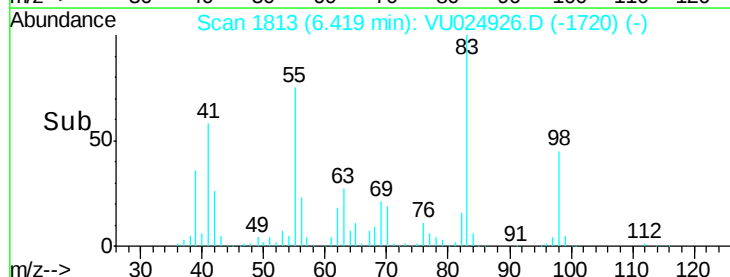
98 46.5 37.6 56.4

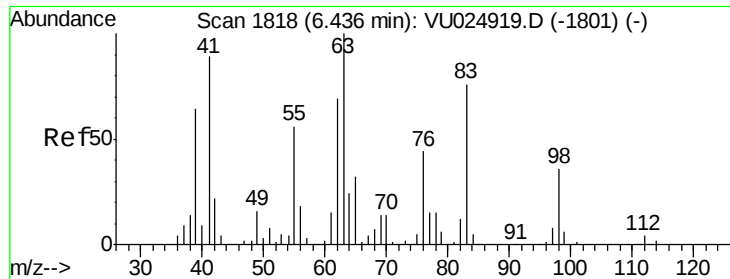


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.227 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

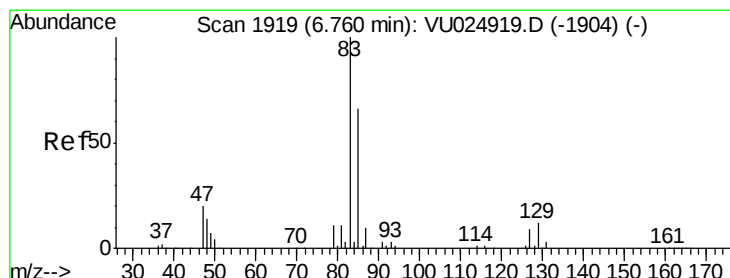
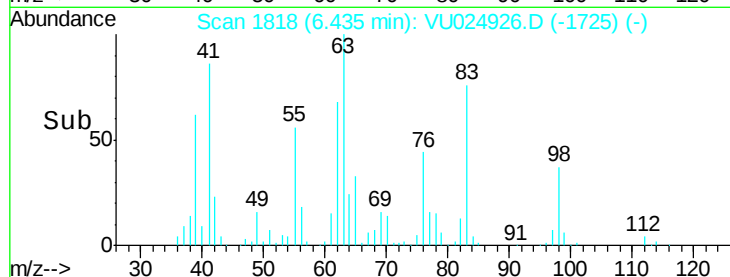
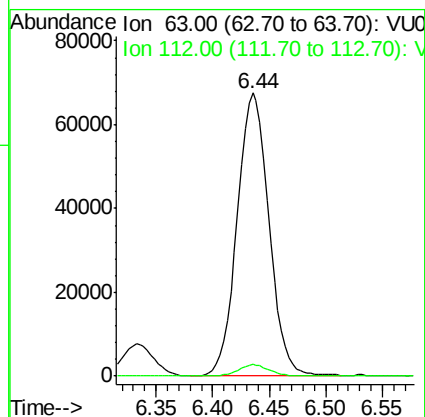
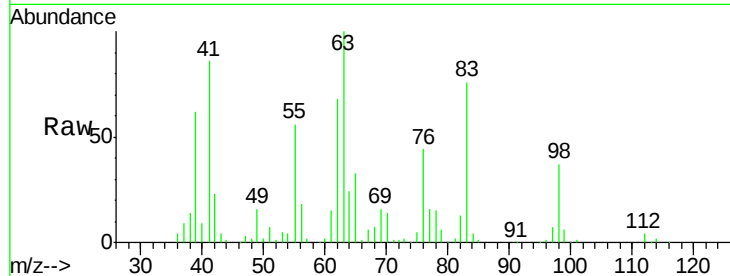
VSTD05055

Tgt Ion: 63 Resp: 132671

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#38

Bromodichloromethane

Concen: 49.450 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

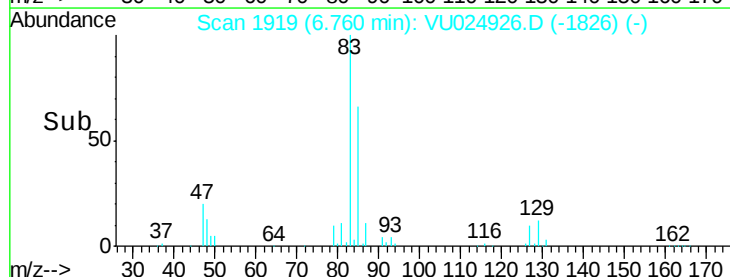
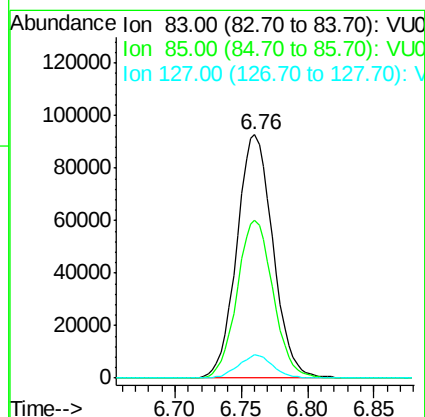
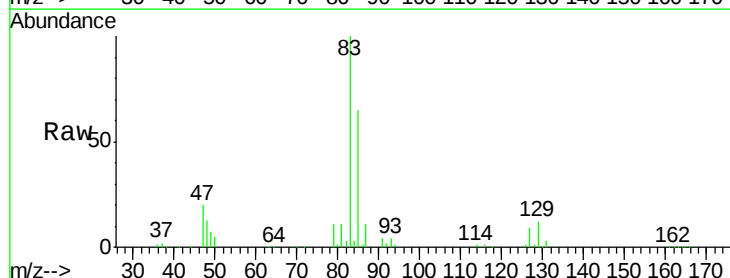
Tgt Ion: 83 Resp: 175666

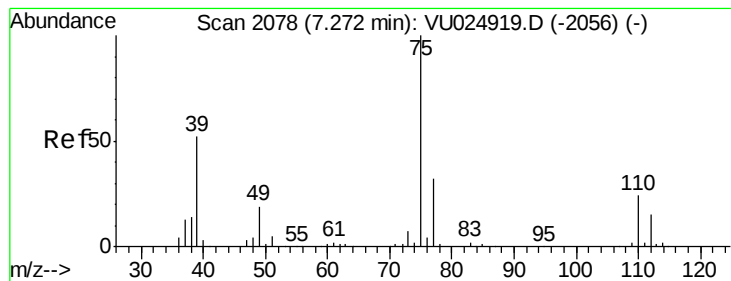
Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3

127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 47.980 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

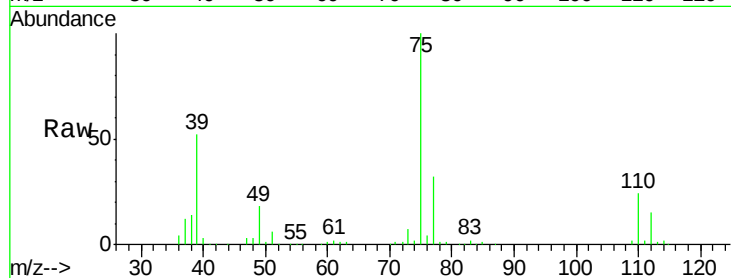
VSTD05055

Tgt Ion: 75 Resp: 202694

Ion Ratio Lower Upper

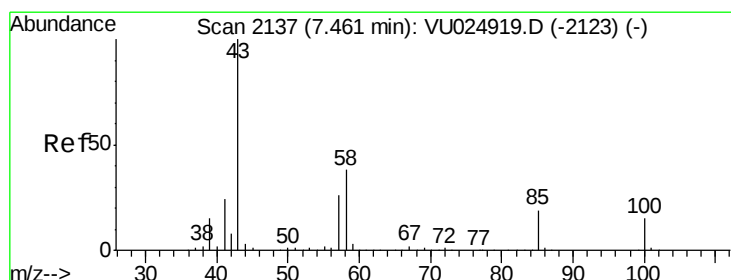
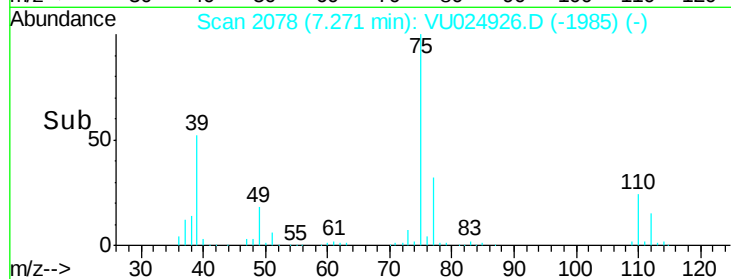
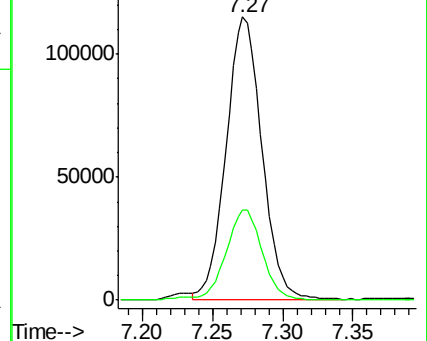
75 100

77 31.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 96.259 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

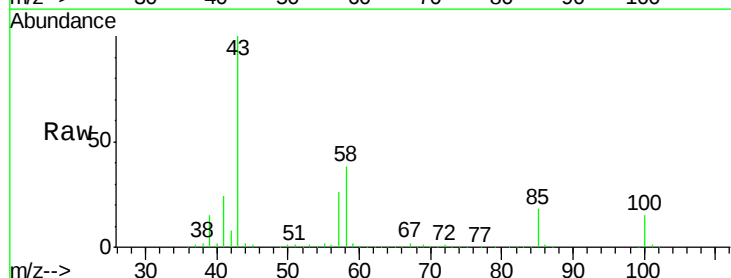
Tgt Ion: 43 Resp: 385199

Ion Ratio Lower Upper

43 100

58 38.4 31.0 46.6

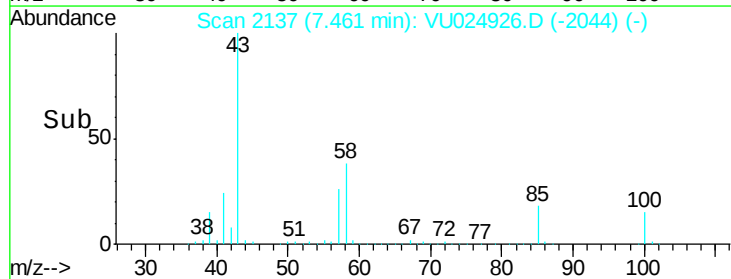
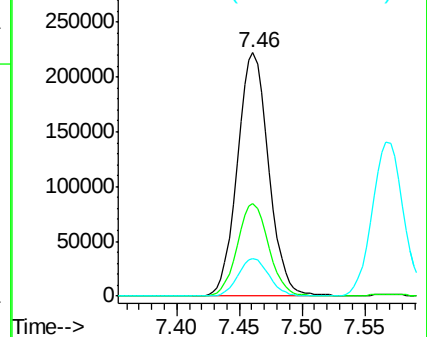
100 15.3 12.0 18.0

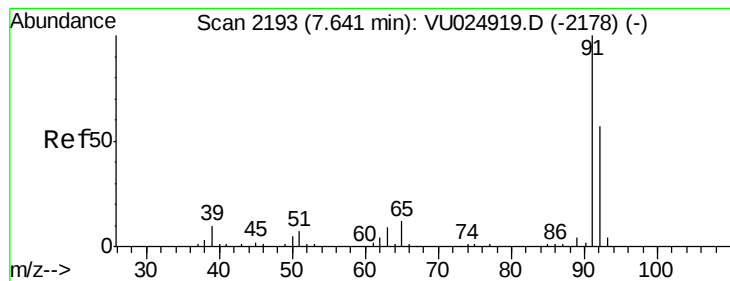


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 48.814 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

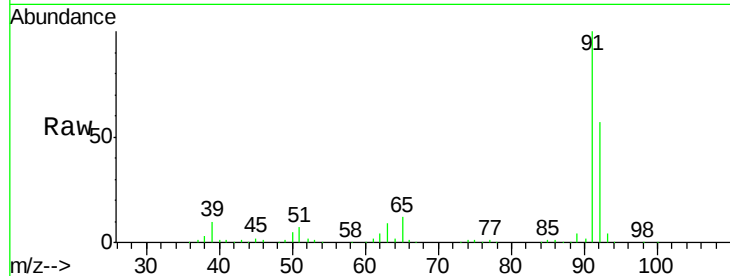
VSTD05055

Tgt Ion: 91 Resp: 525927

Ion Ratio Lower Upper

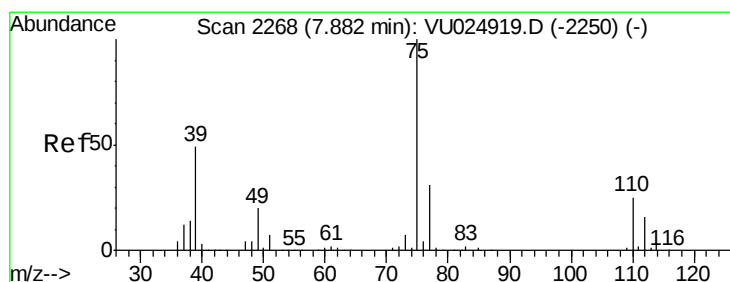
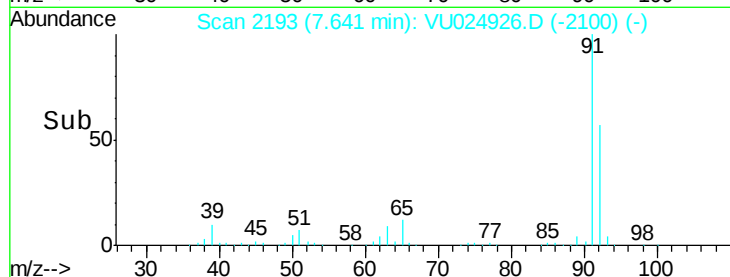
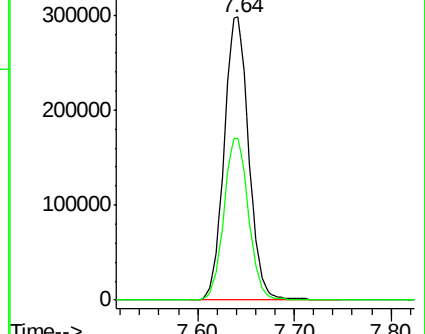
91 100

92 57.3 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 49.701 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024926.D

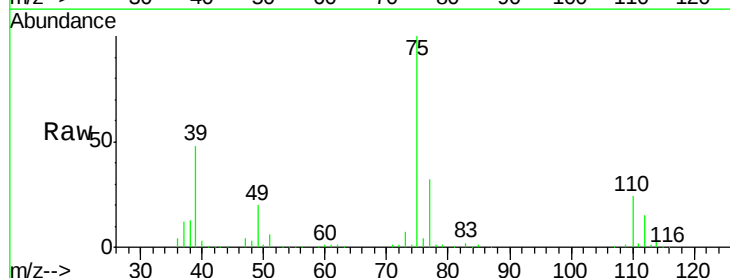
Acq: 26 Jun 2018 15:27

Tgt Ion: 75 Resp: 192020

Ion Ratio Lower Upper

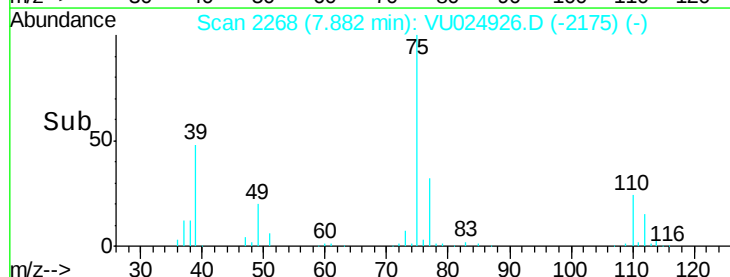
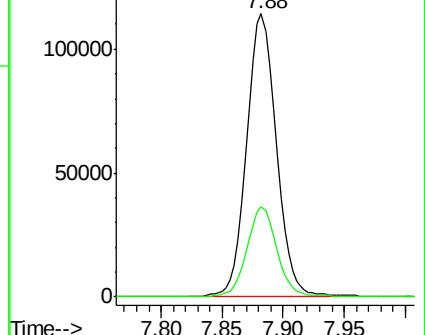
75 100

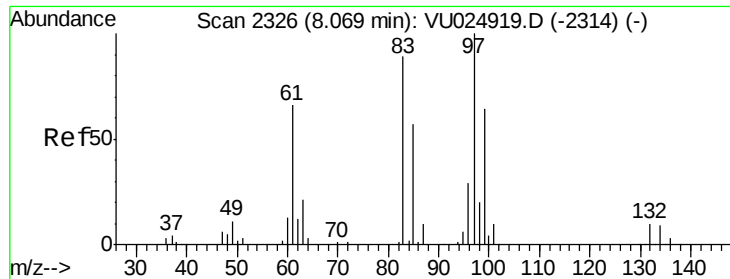
77 31.8 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

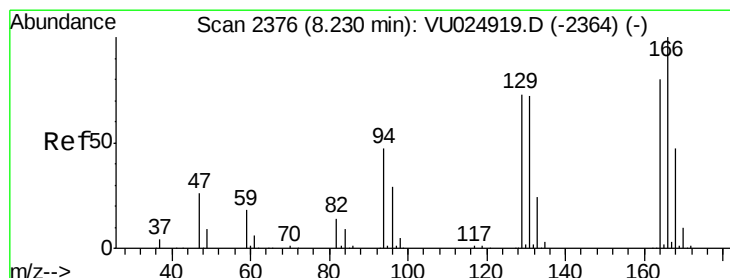
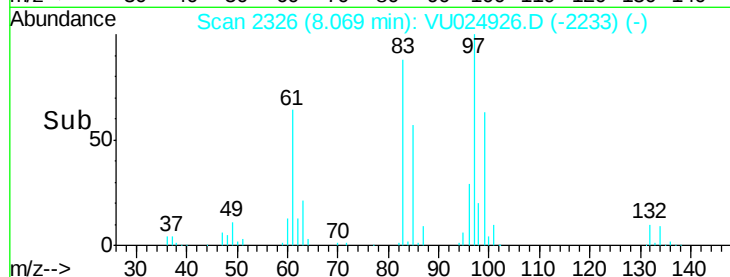
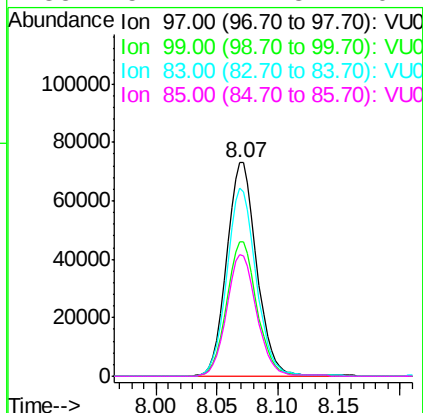
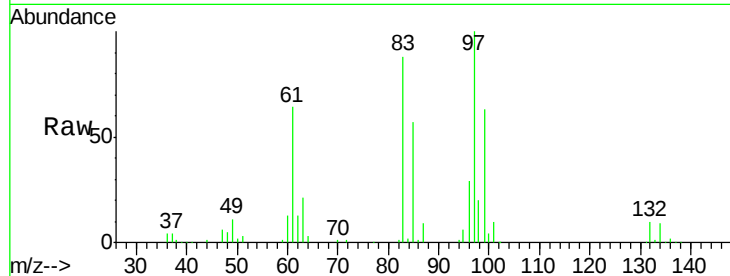




#45
 1,1,2-Trichloroethane
 Concen: 49.864 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

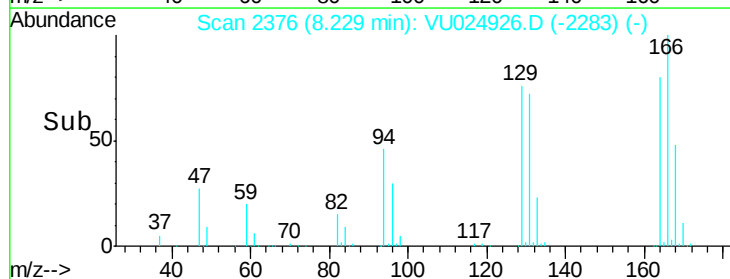
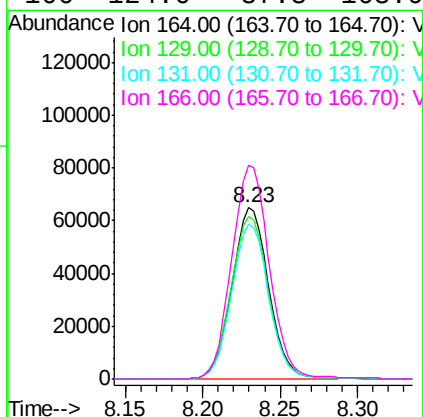
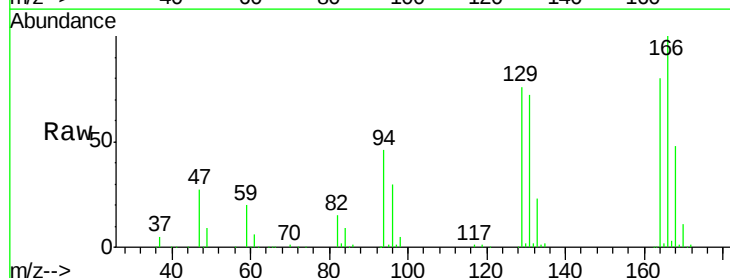
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

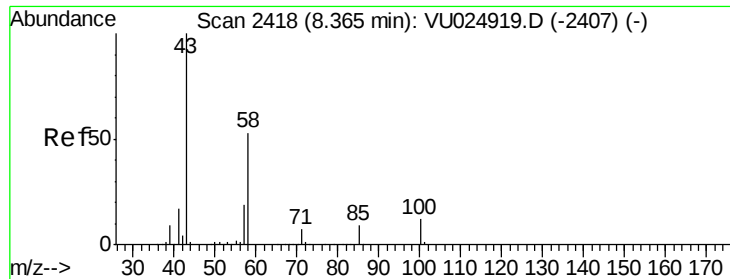
Tgt Ion:	97	Resp:	126451
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.8
83	88.2	61.0	113.2
85	57.2	41.3	76.7



#46
 Tetrachloroethene
 Concen: 47.528 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

Tgt Ion:	164	Resp:	107206
Ion	Ratio	Lower	Upper
164	100		
129	95.2	65.7	121.9
131	90.1	62.0	115.2
166	124.6	87.8	163.0

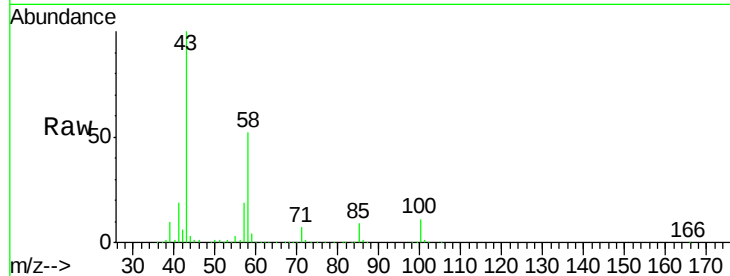




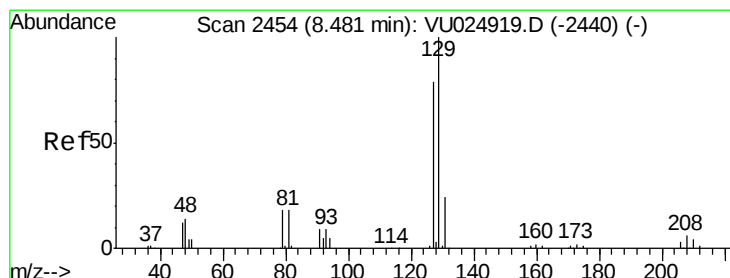
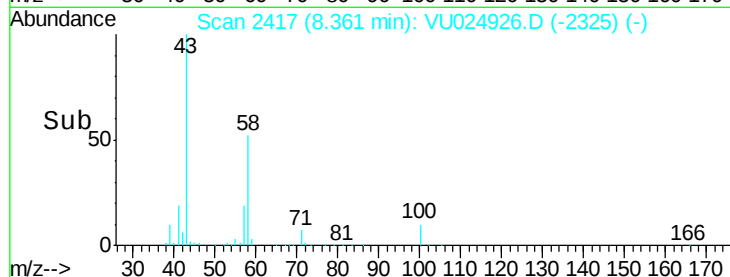
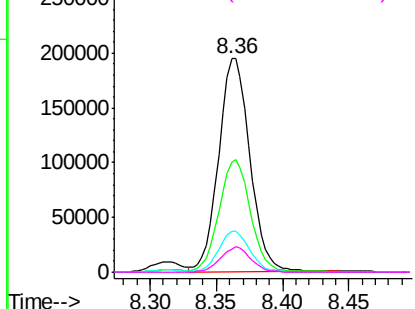
#48
2-Hexanone
Concen: 97.972 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Tgt Ion: 43 Resp: 318569
Ion Ratio Lower Upper
43 100
58 52.4 42.6 63.8
57 18.9 14.7 22.1
100 11.5 9.0 13.4

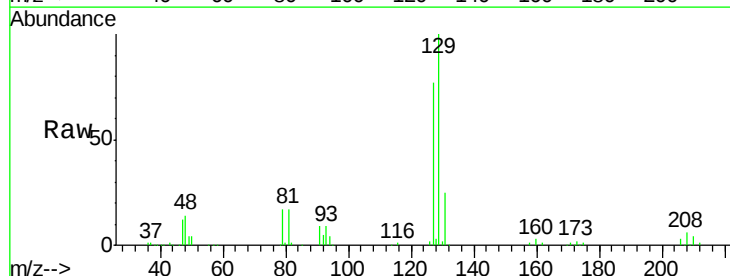


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

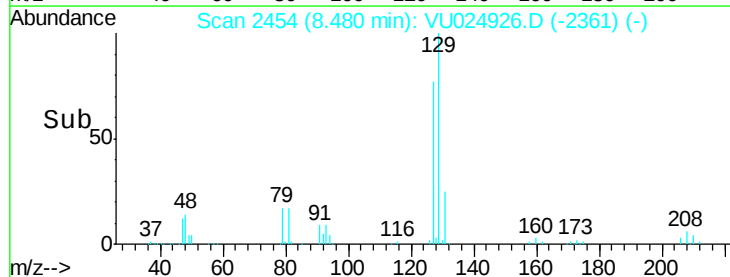
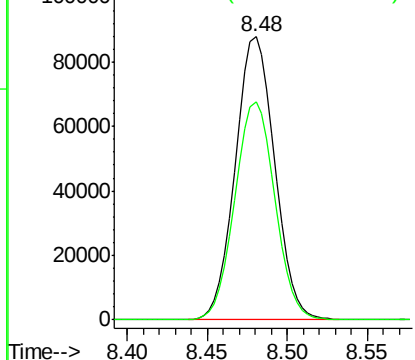


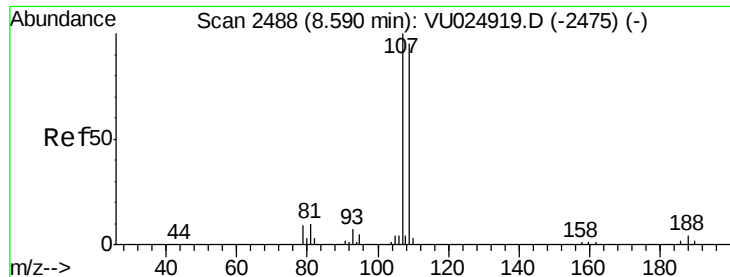
#49
Dibromochloromethane
Concen: 47.394 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 129 Resp: 147262
Ion Ratio Lower Upper
129 100
127 77.2 52.9 98.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

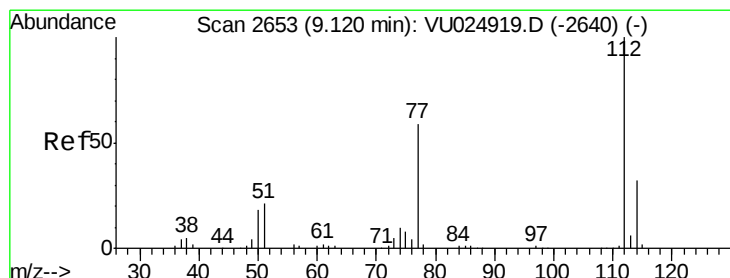
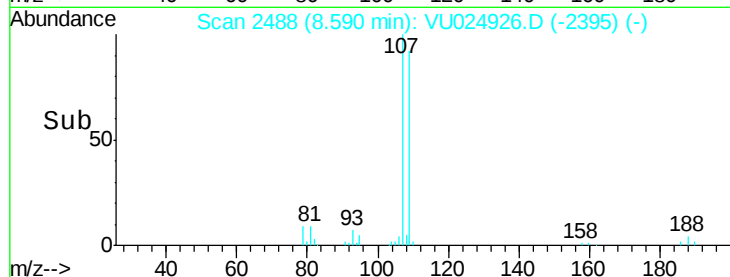
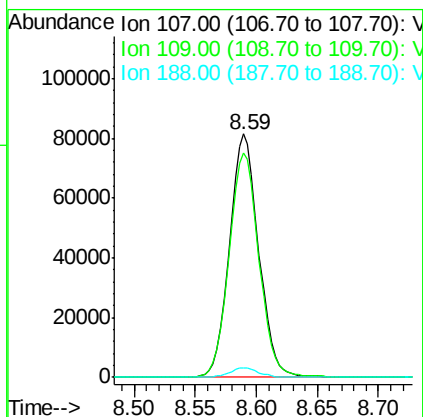
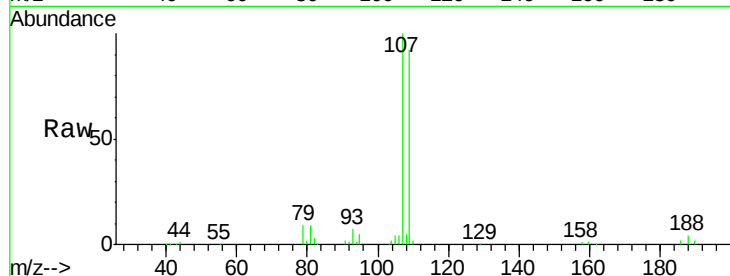




#50
1,2-Dibromoethane
Concen: 48.773 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

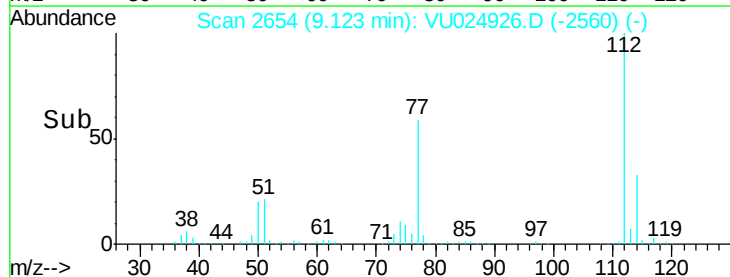
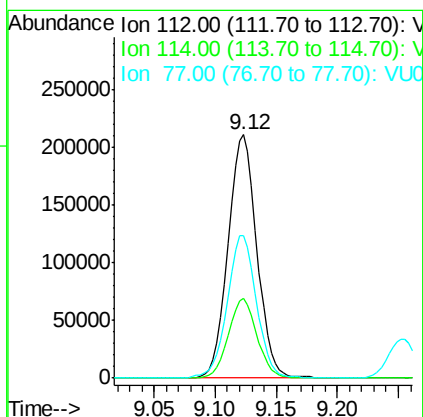
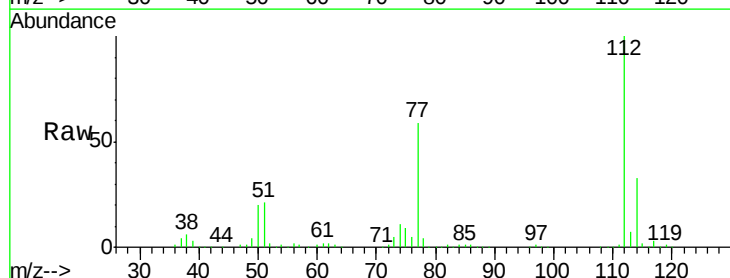
Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

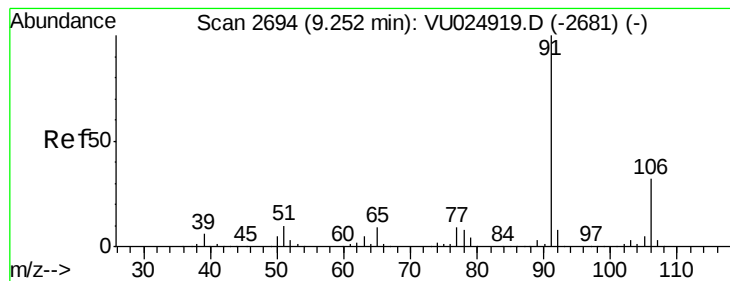
Tgt Ion:107 Resp: 135740
Ion Ratio Lower Upper
107 100
109 92.3 66.6 123.6
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 48.268 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion:112 Resp: 348500
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.1
77 58.7 45.0 67.6





#52

Ethylbenzene

Concen: 48.897 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

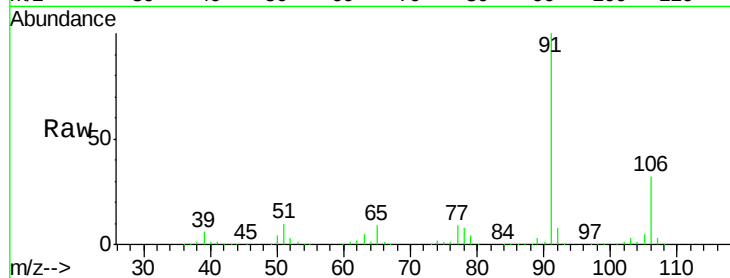
VSTD05055

Tgt Ion: 91 Resp: 603997

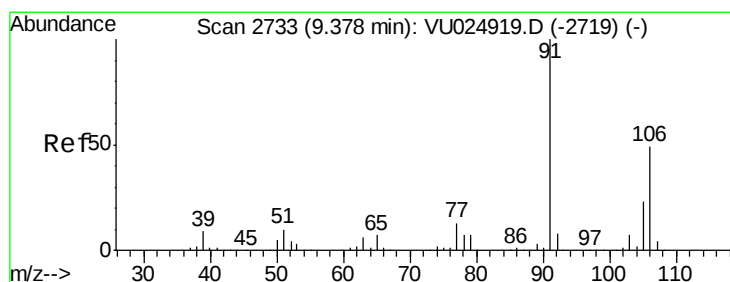
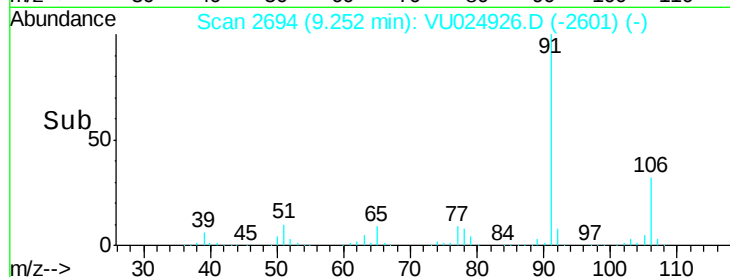
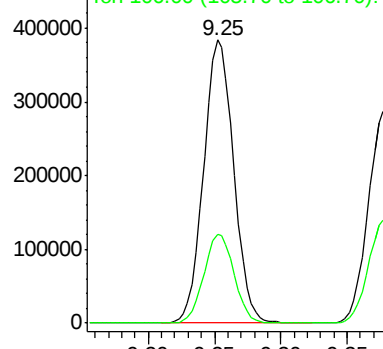
Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU024919.D (-2681) (-)



#53

m,p-Xylene

Concen: 49.318 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024926.D

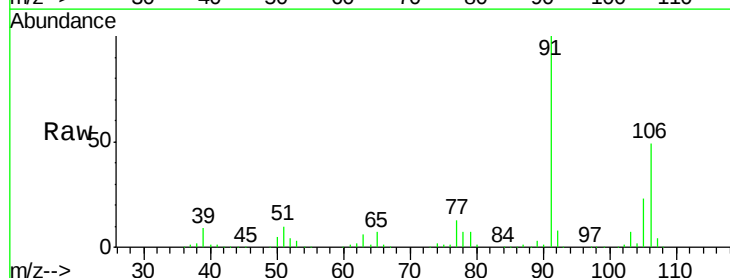
Acq: 26 Jun 2018 15:27

Tgt Ion: 106 Resp: 234432

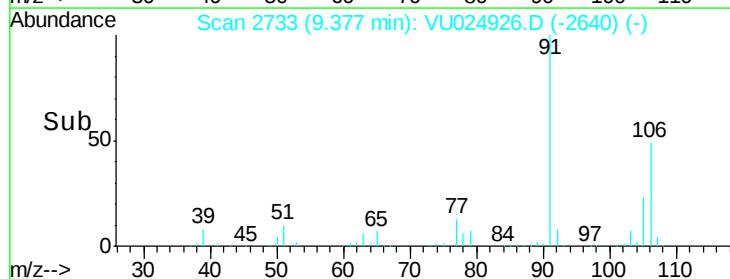
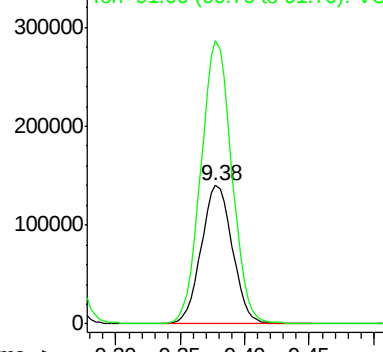
Ion Ratio Lower Upper

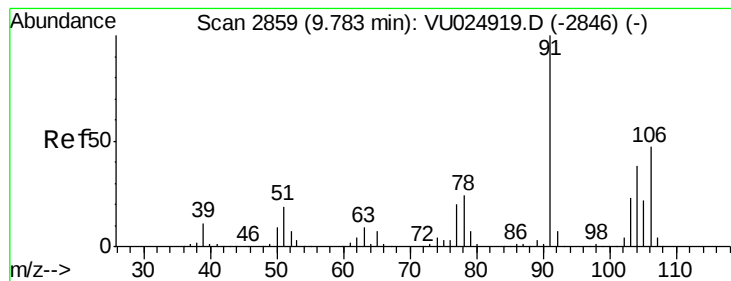
106 100

91 204.1 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU024919.D (-2719) (-)





#54

o-xylene

Concen: 50.005 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

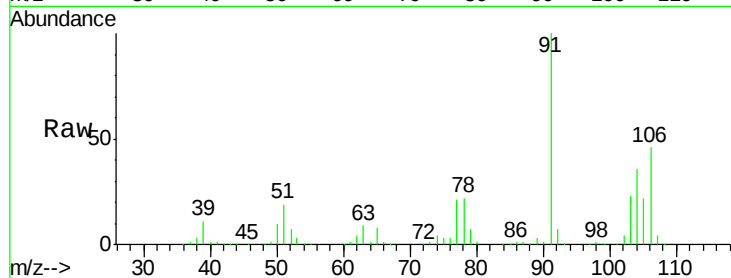
VSTD05055

Tgt Ion:106 Resp: 234499

Ion Ratio Lower Upper

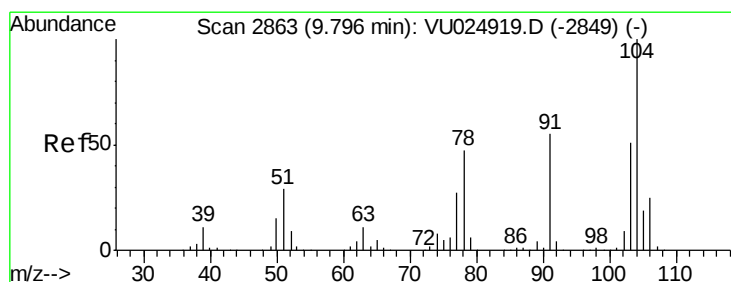
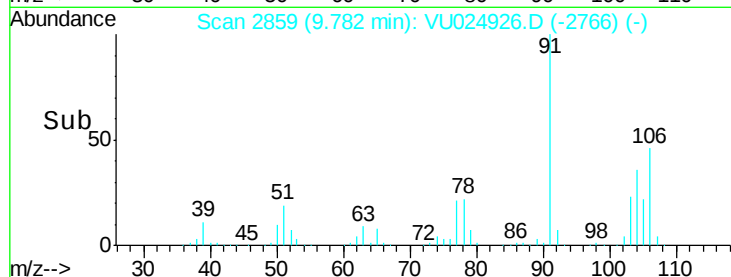
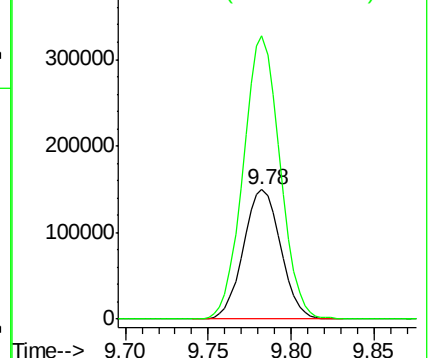
106 100

91 218.5 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.261 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU024926.D

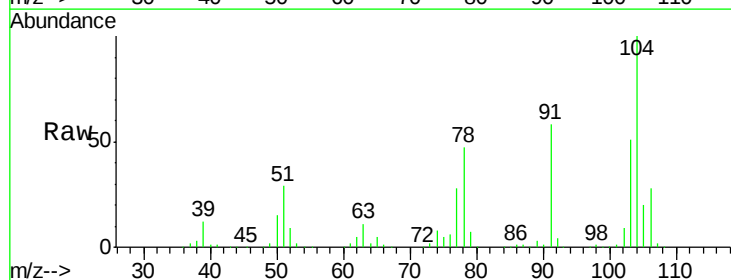
Acq: 26 Jun 2018 15:27

Tgt Ion:104 Resp: 392810

Ion Ratio Lower Upper

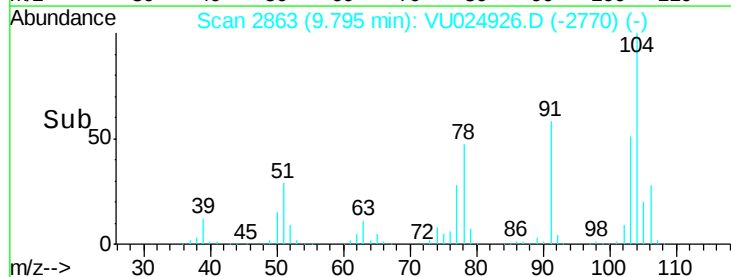
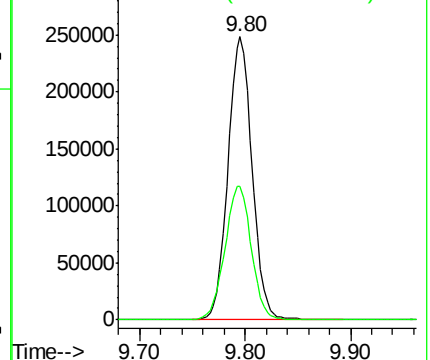
104 100

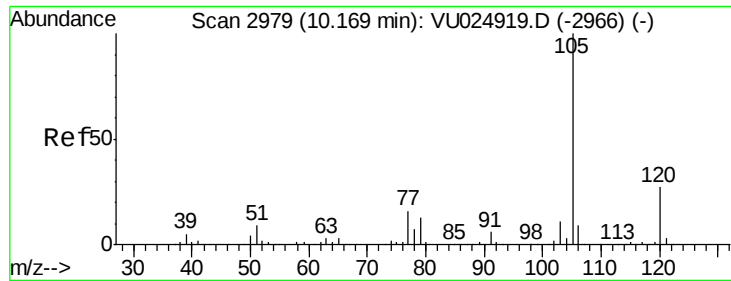
78 47.1 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.520 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

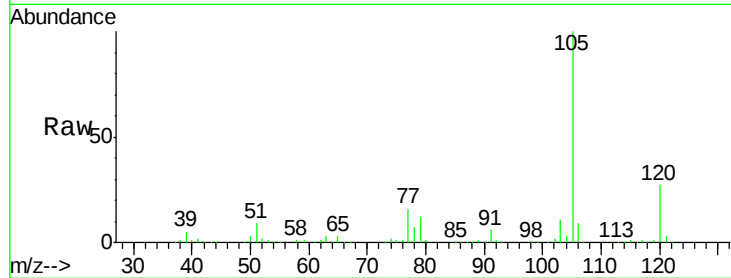
Tgt Ion: 105 Resp: 625082

Ion Ratio Lower Upper

105 100

120 26.8 22.1 33.1

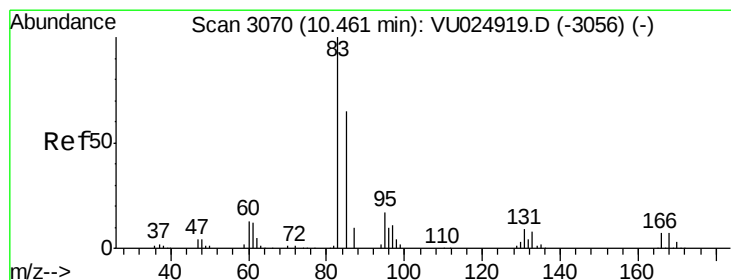
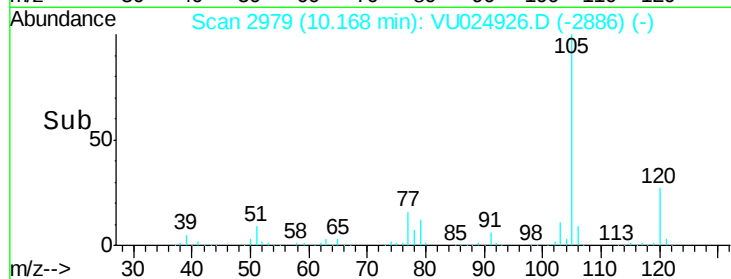
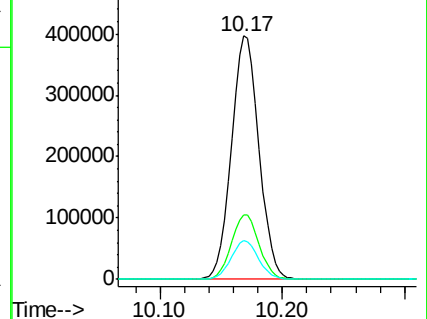
77 15.9 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.917 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

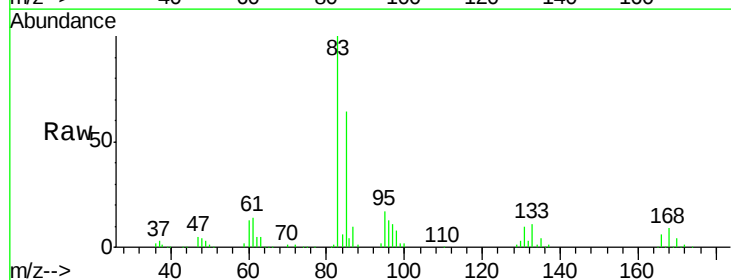
Tgt Ion: 83 Resp: 213742

Ion Ratio Lower Upper

83 100

85 64.2 45.9 85.3

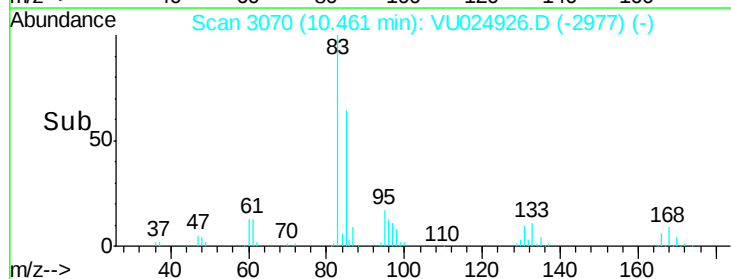
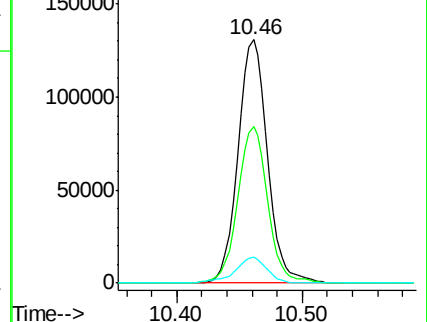
131 10.4 8.6 12.8

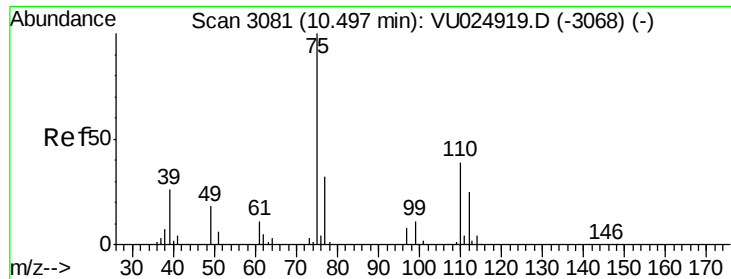


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

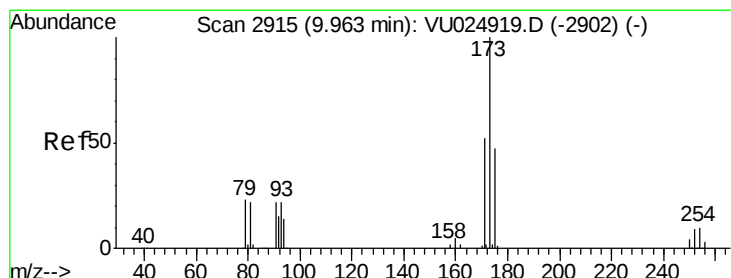
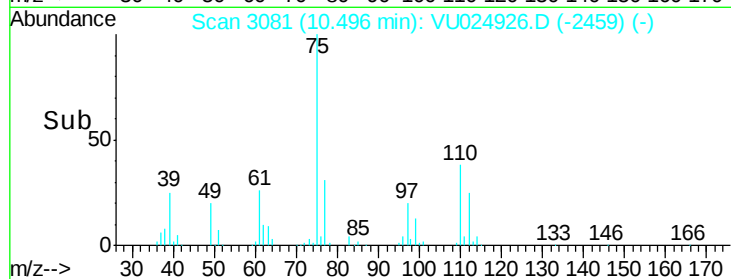
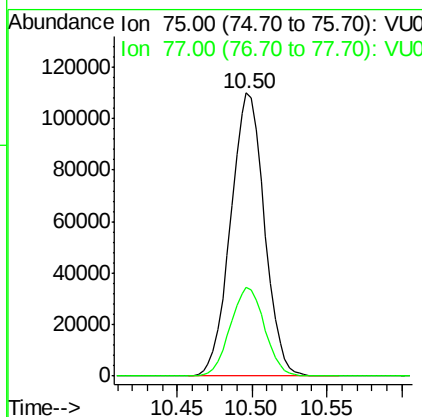
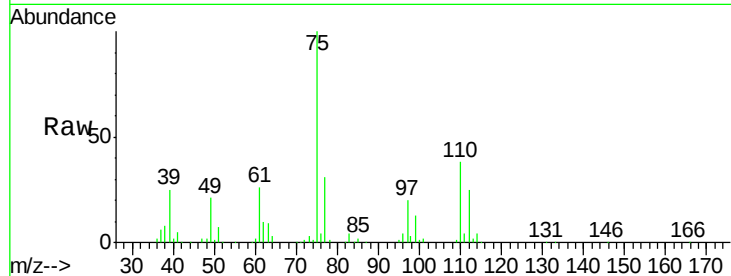




#59
 1,2,3-Trichloropropane
 Concen: 50.530 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

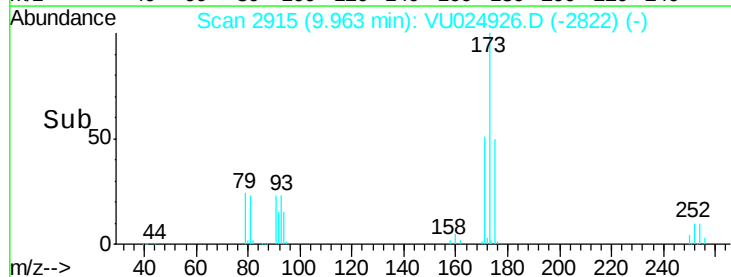
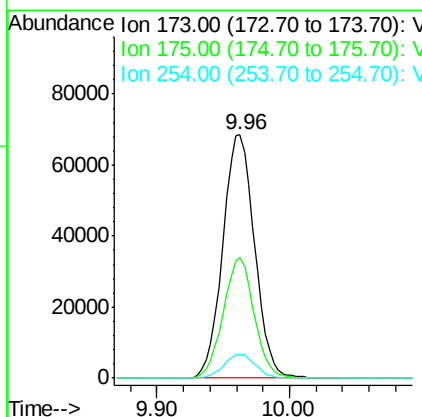
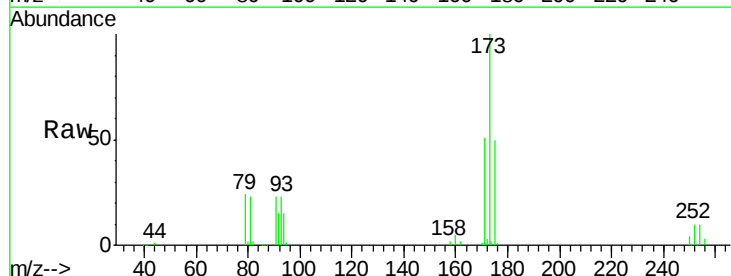
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

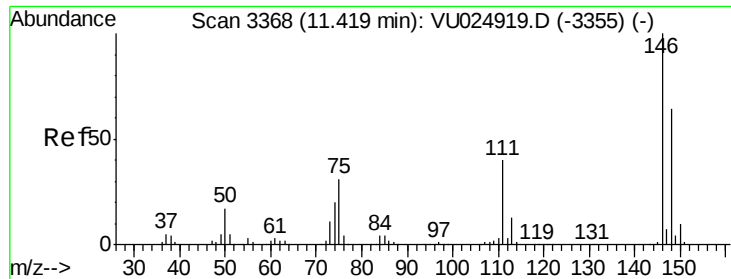
Tgt Ion: 75 Resp: 173115
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.3 39.5



#61
 Bromoform
 Concen: 44.155 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

Tgt Ion: 173 Resp: 113980
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 9.7 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 48.380 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05055

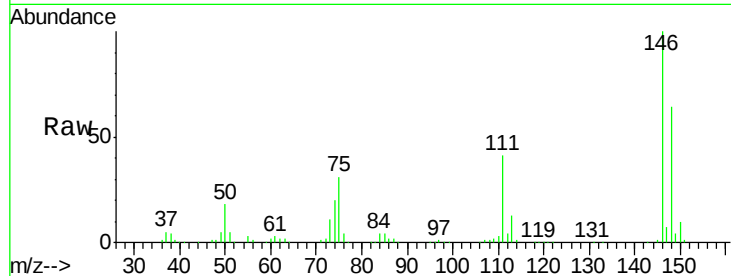
Tgt Ion:146 Resp: 289318

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

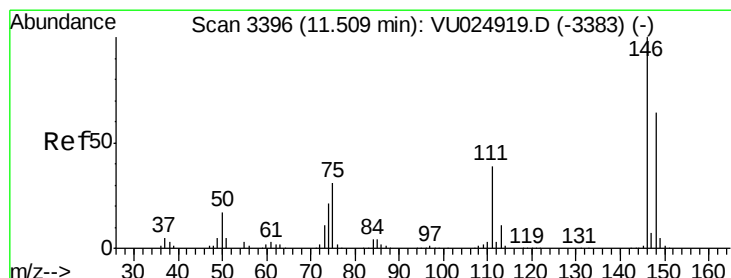
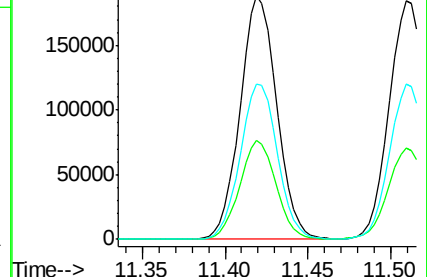
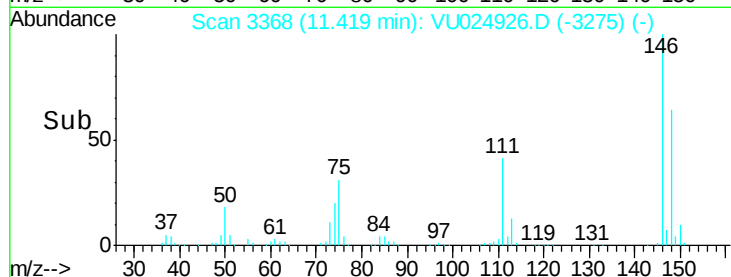
148 63.8 44.3 82.3



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



#63

1,4-Dichlorobenzene

Concen: 48.174 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU024926.D

Acq: 26 Jun 2018 15:27

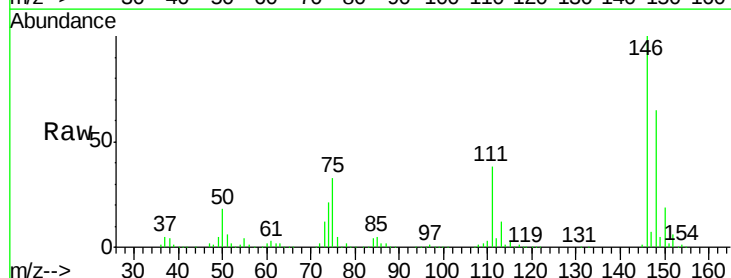
Tgt Ion:146 Resp: 290579

Ion Ratio Lower Upper

146 100

111 38.1 26.5 49.1

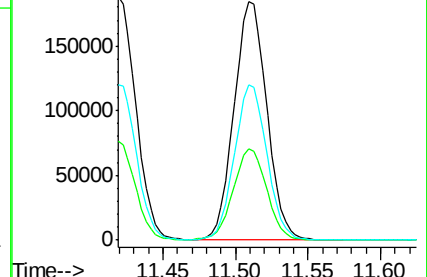
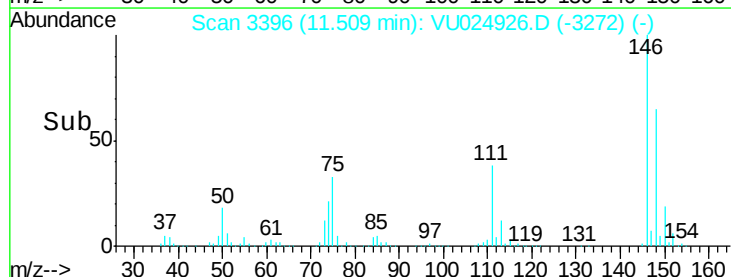
148 65.0 44.6 82.8

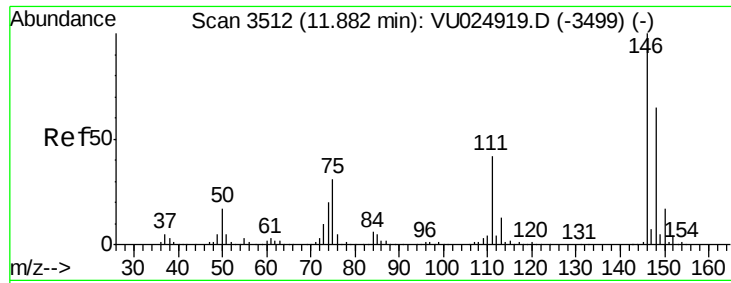


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

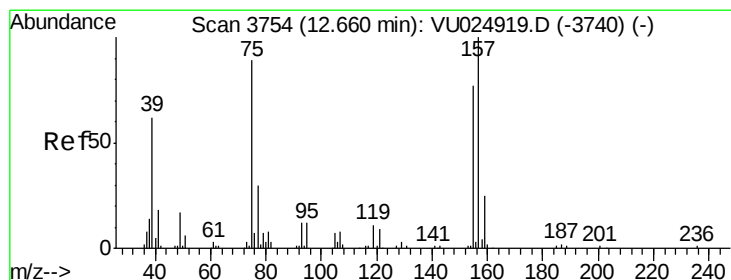
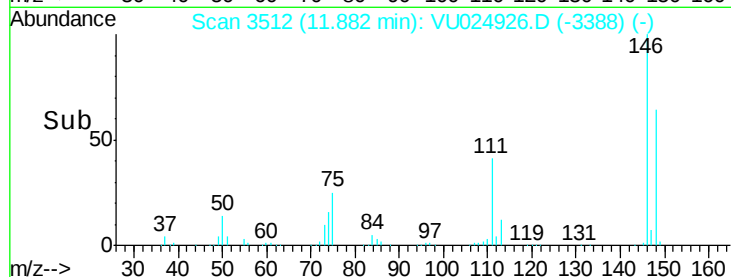
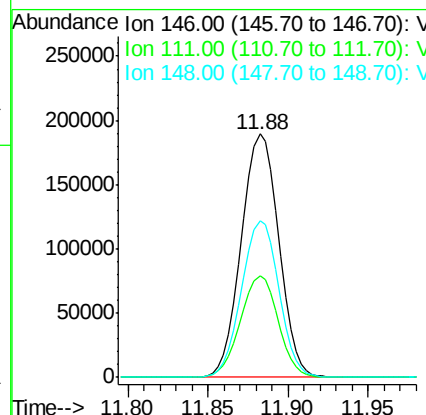
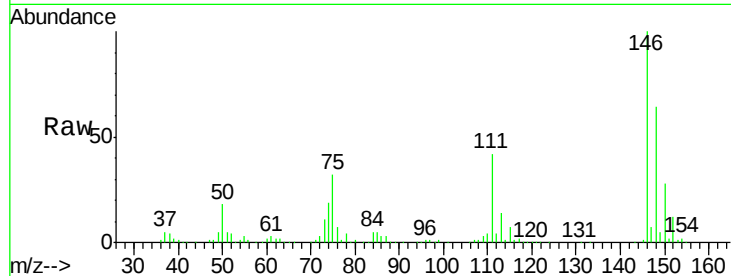




#65
 1,2-Dichlorobenzene
 Concen: 50.635 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

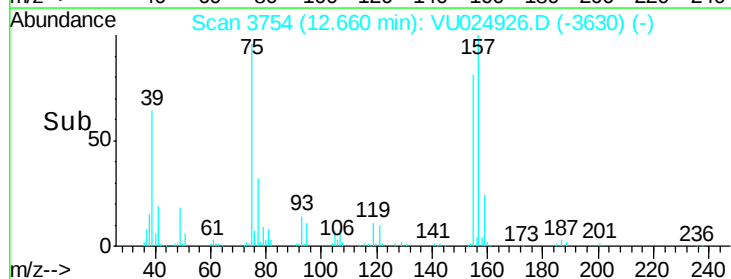
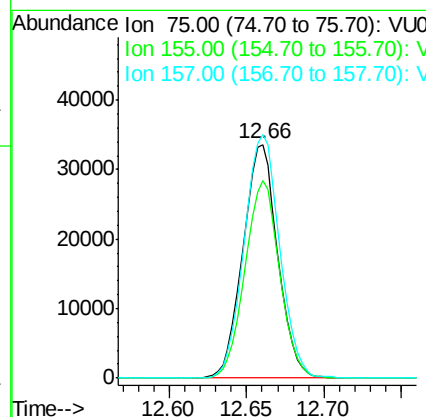
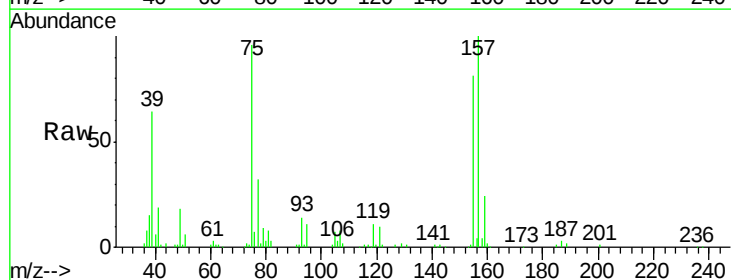
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

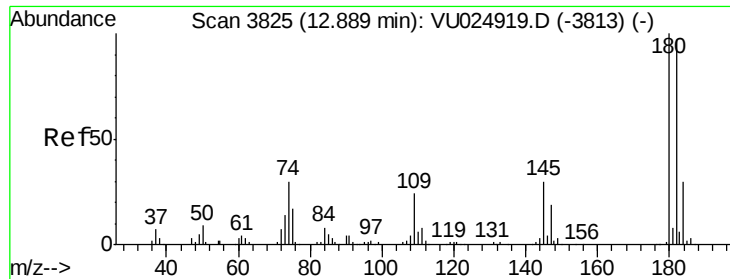
Tgt Ion: 146 Resp: 303035
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.2 48.4
 148 64.3 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.043 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

Tgt Ion: 75 Resp: 52413
 Ion Ratio Lower Upper
 75 100
 155 84.2 76.8 115.2
 157 104.0 98.4 147.6

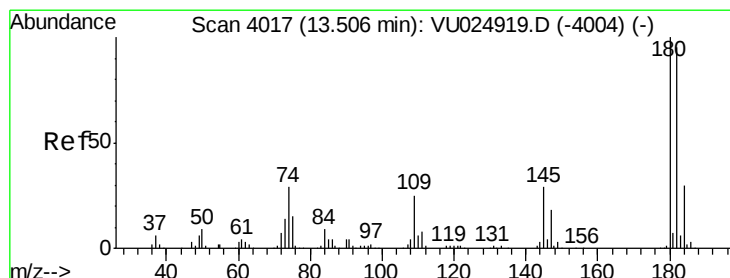
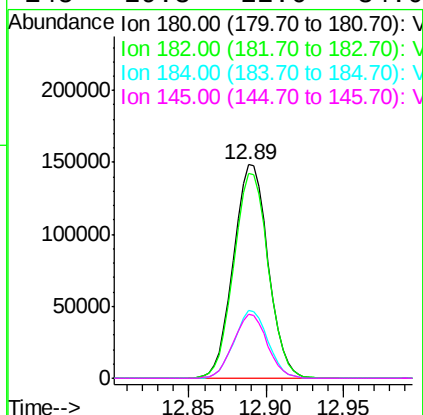
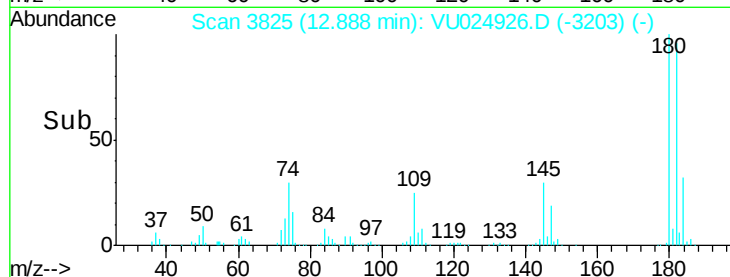
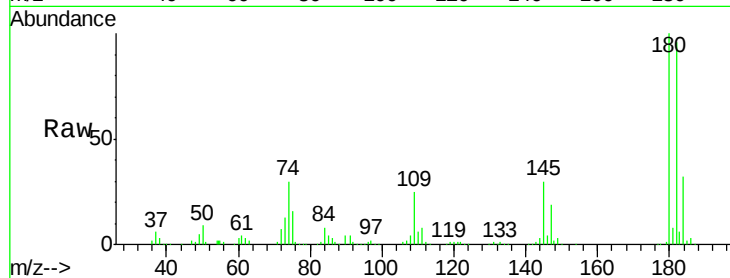




#67
 1,3,5-Trichlorobenzene
 Concen: 48.340 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

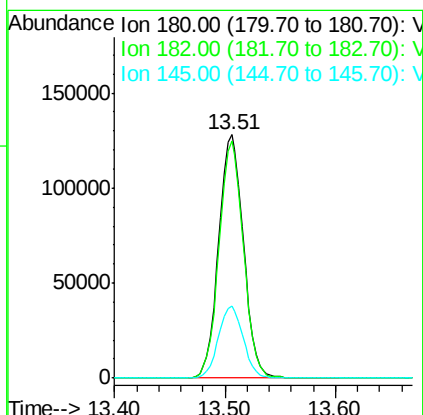
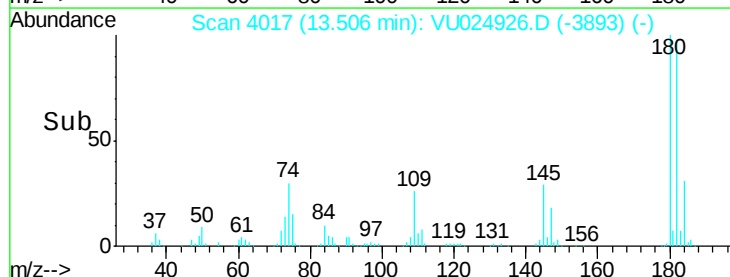
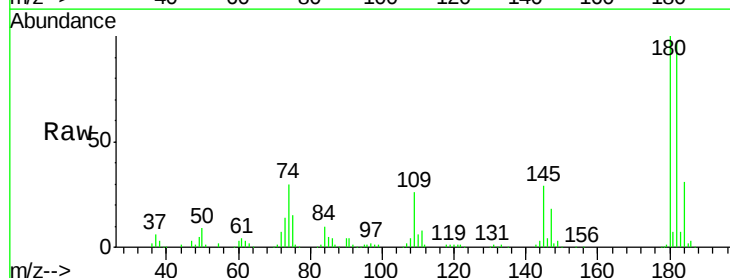
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

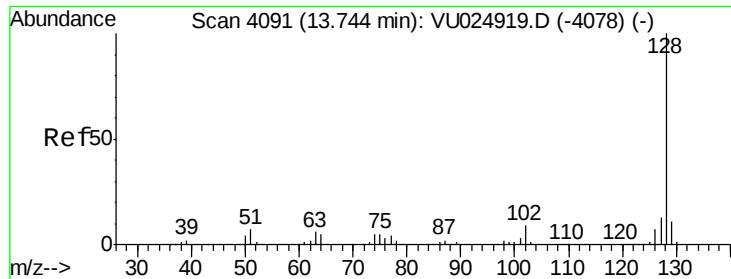
Tgt Ion:180 Resp: 231126
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.4
 184 30.9 24.7 37.1
 145 29.3 22.6 34.0



#68
 1,2,4-trichlorobenzene
 Concen: 50.093 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024926.D
 Acq: 26 Jun 2018 15:27

Tgt Ion:180 Resp: 199200
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.2
 145 29.4 23.0 34.6

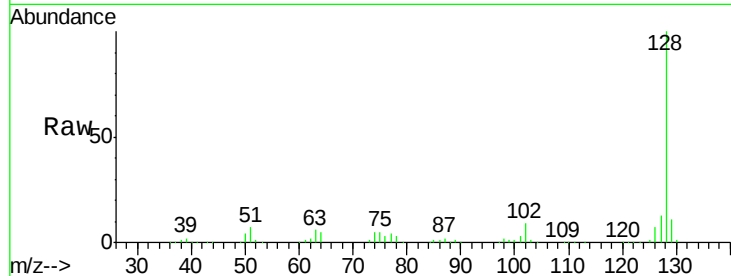




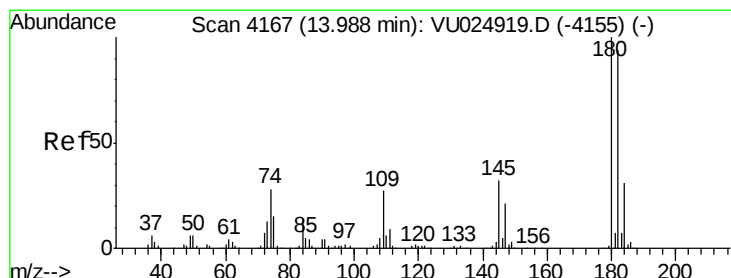
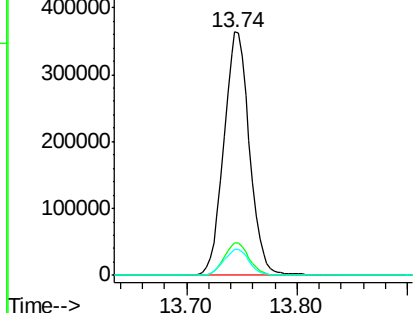
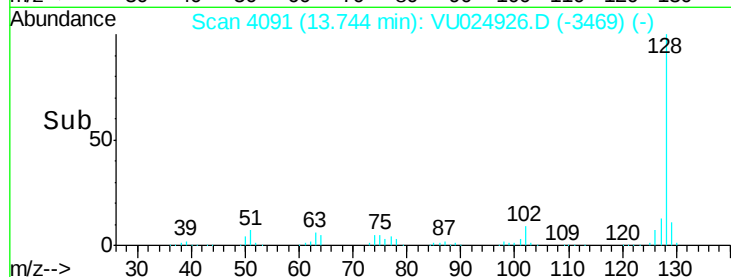
#69
Naphthalene
Concen: 53.346 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Tgt Ion:128 Resp: 585914
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.7 13.1

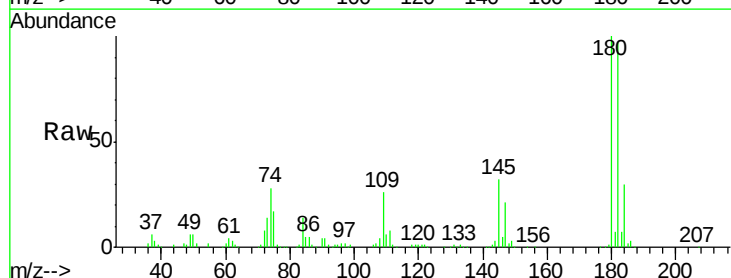


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 51.063 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU024926.D
Acq: 26 Jun 2018 15:27

Tgt Ion:180 Resp: 205902
Ion Ratio Lower Upper
180 100
182 96.4 76.4 114.6
145 32.1 24.5 36.7



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

