

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061518\
 Data File : VU024588.D
 Acq On : 15 Jun 2018 12:45
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

Quant Time: Jun 16 01:41:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 16 00:38:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	330970	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	305927	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92547	48.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.70%
7) Chloroethane-d5	1.68	69	72485	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.48%
11) 1,1-Dichloroethene-d2	2.28	63	184144	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.30%
21) 2-Butanone-d5	4.18	46	167706	104.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.88%
24) Chloroform-d	4.65	84	189410	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	5.31	65	118380	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
32) Benzene-d6	5.35	84	378249	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
36) 1,2-Dichloropropane-d6	6.34	67	124573	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.82%
41) Toluene-d8	7.57	98	372646	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%
43) trans-1,3-Dichloropropene-	7.85	79	63158	50.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.18%
47) 2-Hexanone-d5	8.31	63	133795	105.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.17%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	181826	50.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	160965	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	129666	48.434 ug/L	99
3) Chloromethane	1.33	50	115823	48.112 ug/L	97
5) Vinyl chloride	1.40	62	125184	48.543 ug/L	99
6) Bromomethane	1.63	94	63307	52.001 ug/L	94
8) Chloroethane	1.70	64	72491	47.873 ug/L	98
9) Trichlorofluoromethane	1.89	101	179638	47.449 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	102200	47.592 ug/L	99
12) 1,1-Dichloroethene	2.29	96	94798	48.189 ug/L	96
13) Acetone	2.32	43	153258	89.784 ug/L	99
14) Carbon disulfide	2.48	76	312176	48.428 ug/L	100
15) Methyl Acetate	2.62	43	126803	48.471 ug/L	98
16) Methylene chloride	2.71	84	114245	47.225 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	106955	48.183 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	344081	47.672 ug/L	99
19) 1,1-Dichloroethane	3.45	63	196143	48.002 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	122516	47.345 ug/L	99
22) 2-Butanone	4.26	43	205341	94.402 ug/L	99

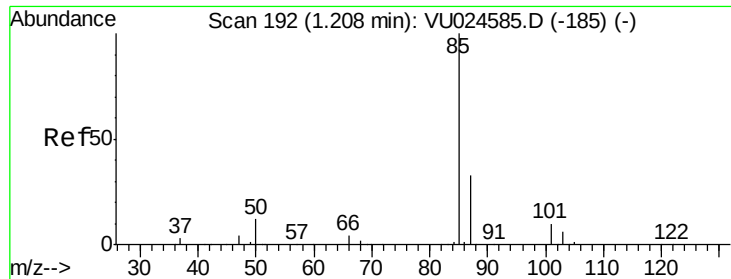
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62606	48.231	ug/L	98
25) Chloroform	4.68	83	200314	47.526	ug/L	98
27) 1,2-Dichloroethane	5.41	62	155685	47.924	ug/L	99
29) Cyclohexane	5.00	56	182560	48.140	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	178719	48.225	ug/L	100
31) Carbon tetrachloride	5.14	117	164204	48.410	ug/L	98
33) Benzene	5.39	78	438519	48.780	ug/L	100
34) Trichloroethene	6.19	95	118884	47.850	ug/L	97
35) Methylcyclohexane	6.42	83	190175	47.614	ug/L	98
37) 1,2-Dichloropropane	6.44	63	120977	48.412	ug/L	100
38) Bromodichloromethane	6.76	83	163197	49.546	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	194539	49.665	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	366793	98.855	ug/L	100
42) Toluene	7.64	91	477619	47.810	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	175759	49.064	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	114913	48.871	ug/L	98
46) Tetrachloroethene	8.23	164	100427	48.018	ug/L	99
48) 2-Hexanone	8.36	43	294532	97.690	ug/L	99
49) Dibromochloromethane	8.48	129	140858	48.892	ug/L	98
50) 1,2-Dibromoethane	8.59	107	125303	48.557	ug/L	99
51) Chlorobenzene	9.12	112	323999	48.397	ug/L	99
52) Ethylbenzene	9.25	91	552615	48.249	ug/L	99
53) m,p-Xylene	9.38	106	210082	47.665	ug/L	99
54) o-xylene	9.78	106	209061	48.080	ug/L	99
55) Styrene	9.80	104	362105	48.976	ug/L	99
56) Isopropylbenzene	10.17	105	554315	48.317	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	197359	48.713	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	155117	48.831	ug/L	99
61) Bromoform	9.96	173	117108	49.668	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	266272	48.748	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	270557	49.108	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	269605	49.321	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	48838	51.051	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	220275	50.438	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	195048	53.700	ug/L	100
69) Naphthalene	13.74	128	583238	58.137	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	200727	54.499	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.434 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

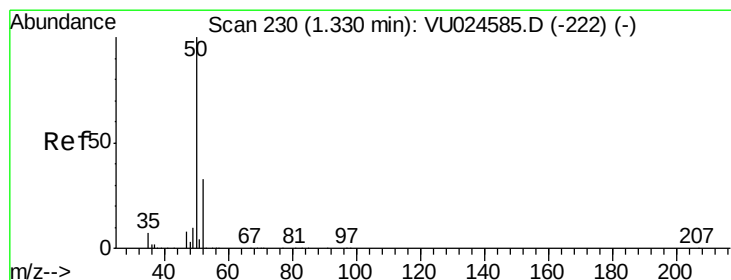
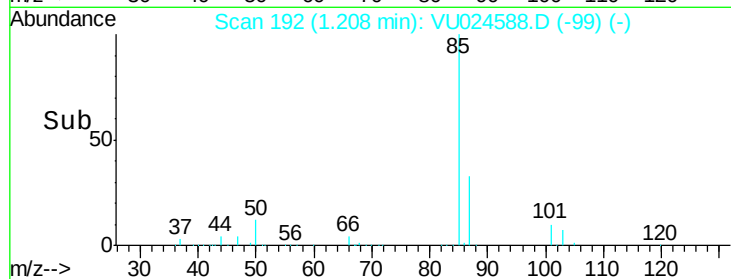
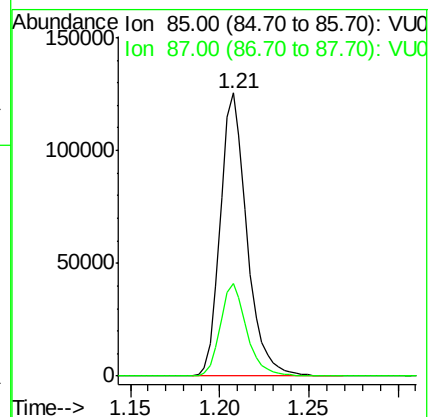
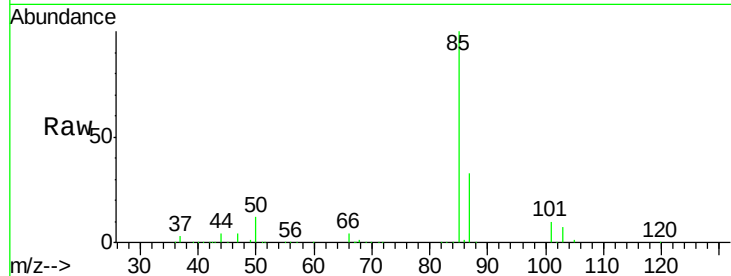
VICV45

Tgt Ion: 85 Resp: 129666

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



#3

Chloromethane

Concen: 48.112 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024588.D

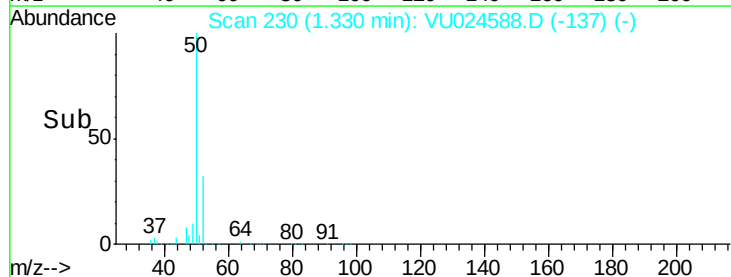
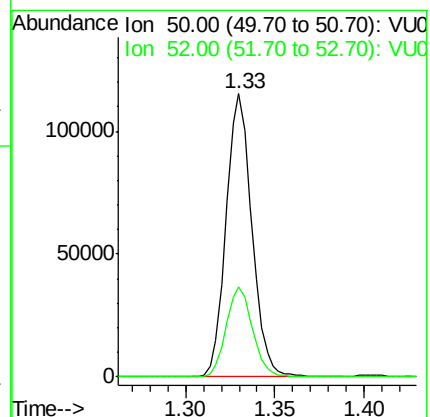
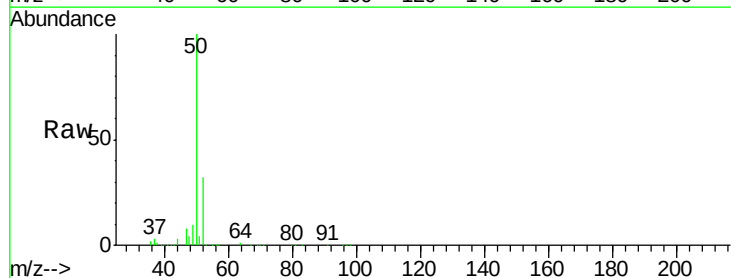
Acq: 15 Jun 2018 12:45

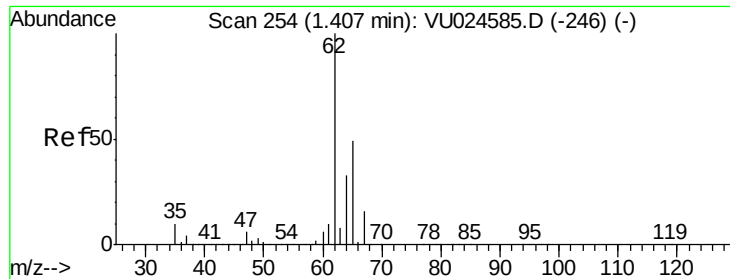
Tgt Ion: 50 Resp: 115823

Ion Ratio Lower Upper

50 100

52 31.9 23.4 43.4





#5

Vinyl chloride

Concen: 48.543 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

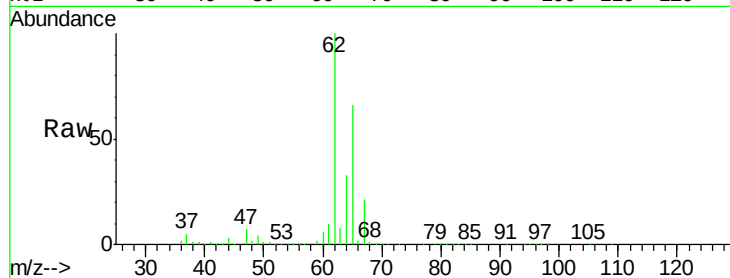
VICV45

Tgt Ion: 62 Resp: 125184

Ion Ratio Lower Upper

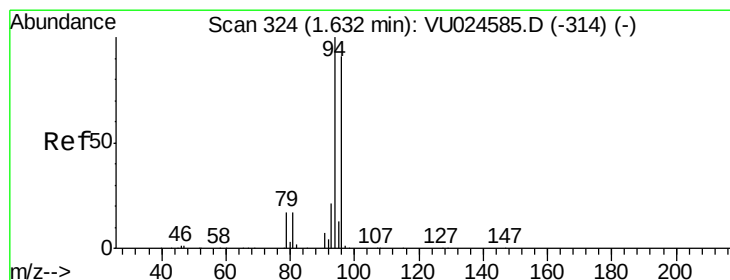
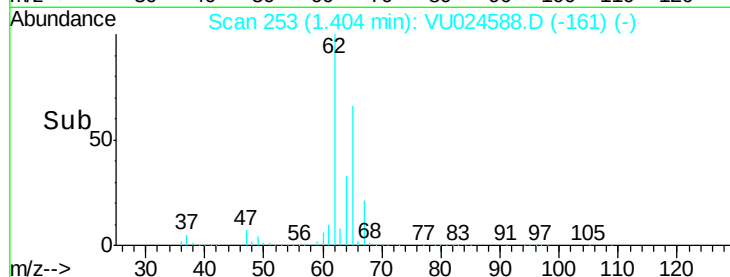
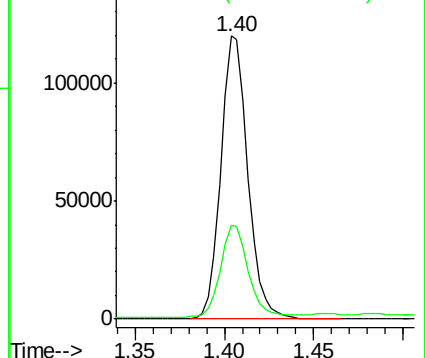
62 100

64 33.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 52.001 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU024588.D

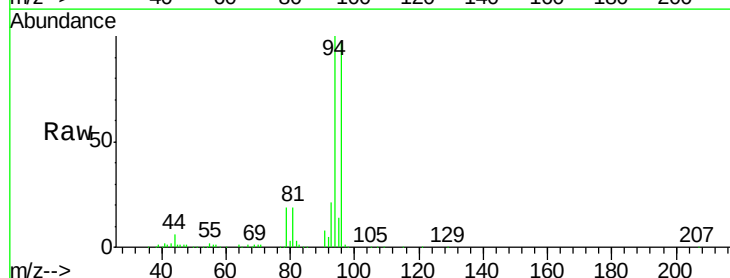
Acq: 15 Jun 2018 12:45

Tgt Ion: 94 Resp: 63307

Ion Ratio Lower Upper

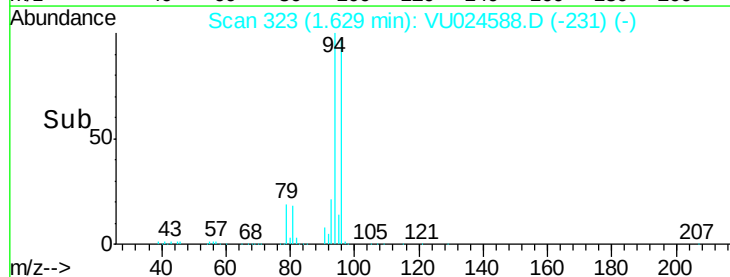
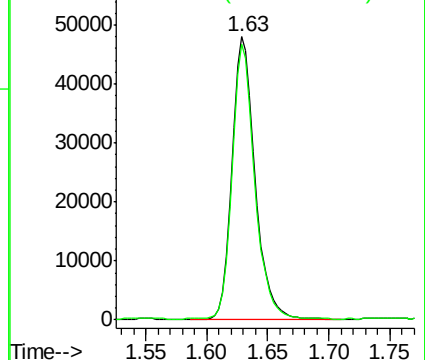
94 100

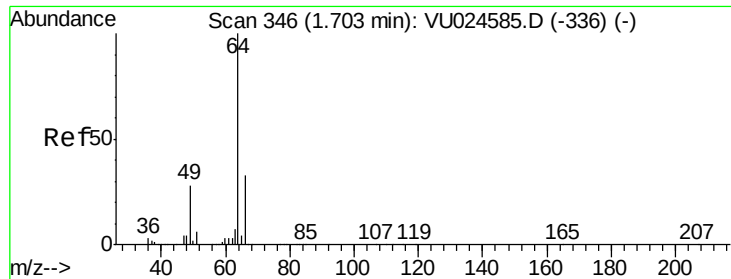
96 97.3 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

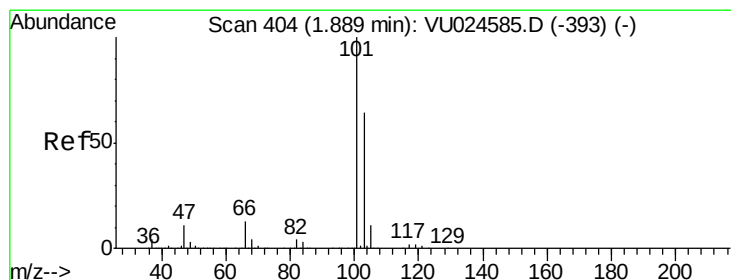
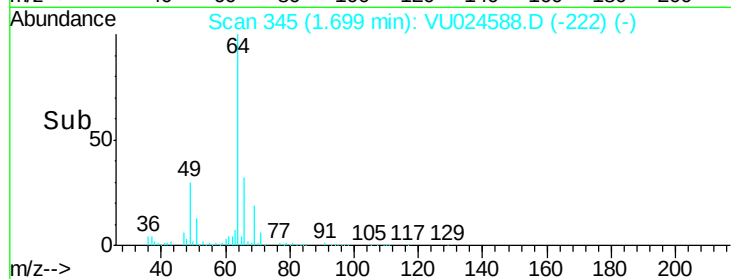
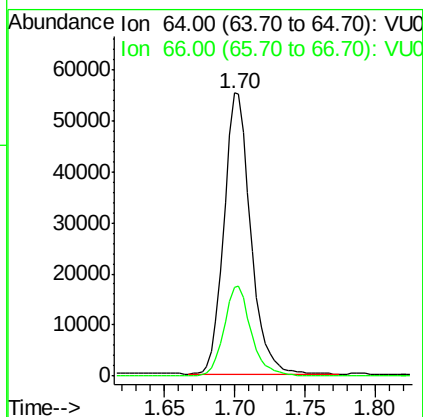
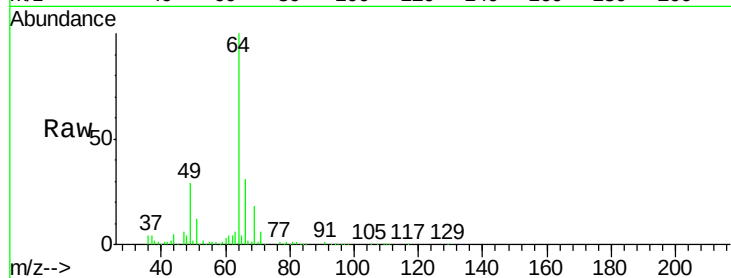




#8
Chloroethane
Concen: 47.873 ug/L
RT: 1.70 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

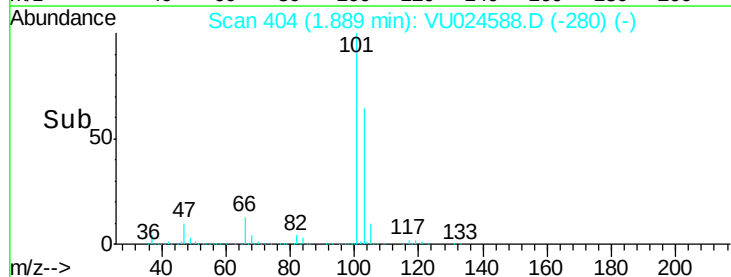
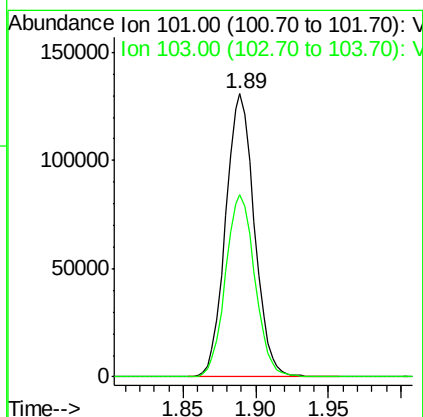
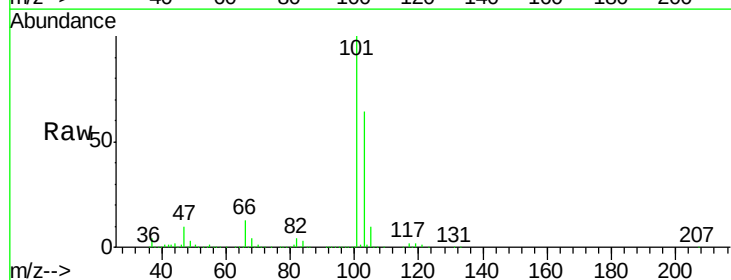
Instrument :
MSVOA_U
ClientSampleId :
VICV45

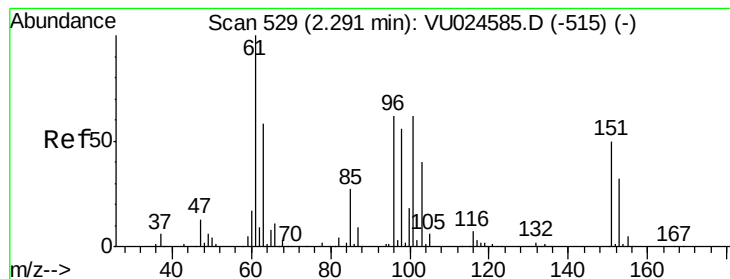
Tgt Ion: 64 Resp: 72491
Ion Ratio Lower Upper
64 100
66 31.5 22.7 42.3



#9
Trichlorofluoromethane
Concen: 47.449 ug/L
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

Tgt Ion: 101 Resp: 179638
Ion Ratio Lower Upper
101 100
103 65.7 51.8 77.6





#10

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

Concen: 47.592 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampled :

VICV45

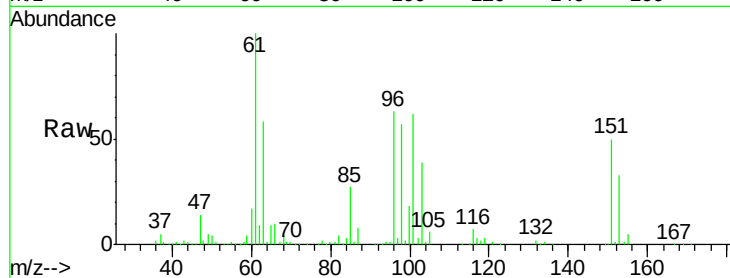
Tgt Ion: 101 Resp: 102200

Ion Ratio Lower Upper

101 100

85 42.4 35.2 52.8

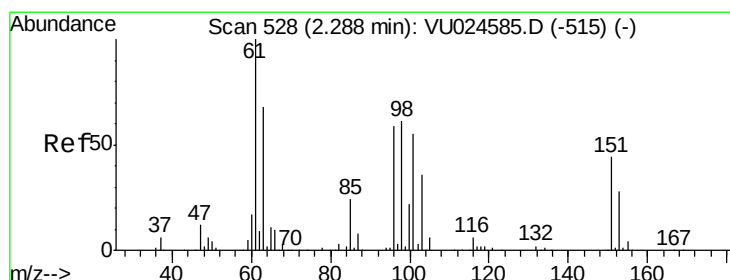
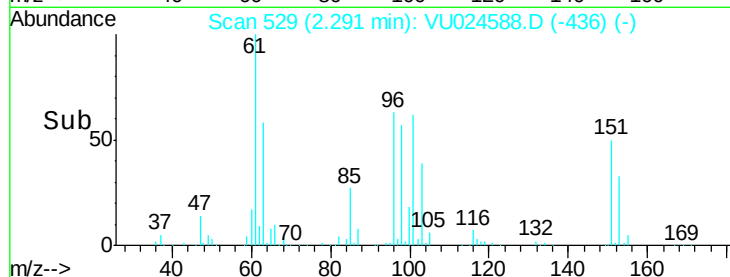
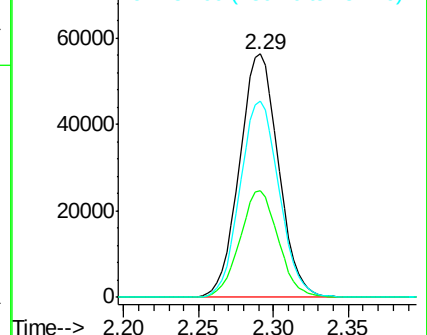
151 81.0 64.6 97.0



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: 48.189 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

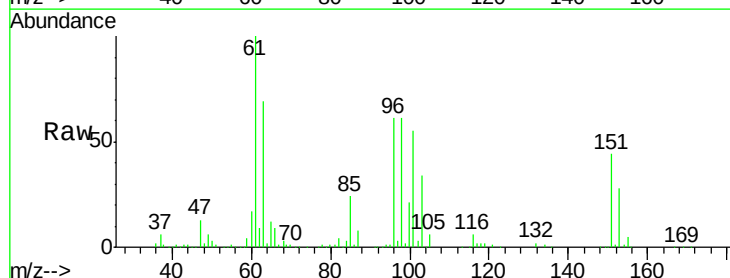
Tgt Ion: 96 Resp: 94798

Ion Ratio Lower Upper

96 100

61 162.6 117.9 218.9

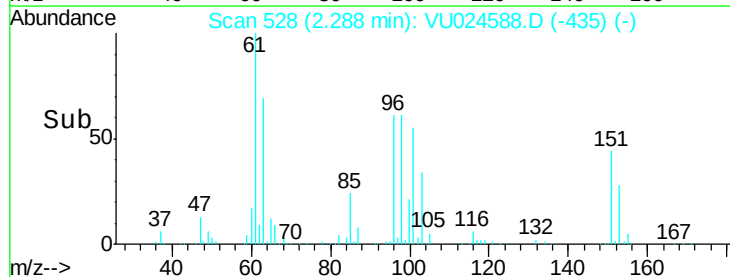
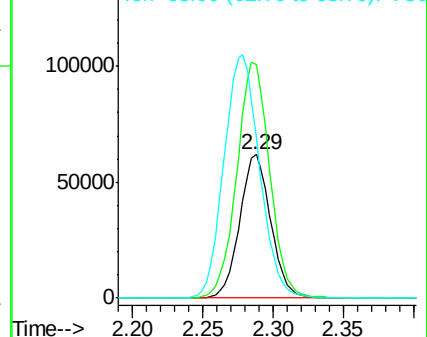
63 111.6 81.4 151.2

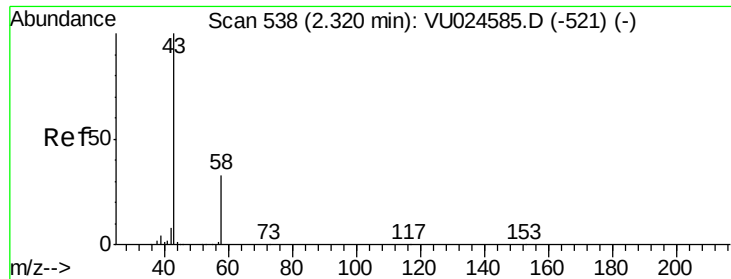


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.784 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

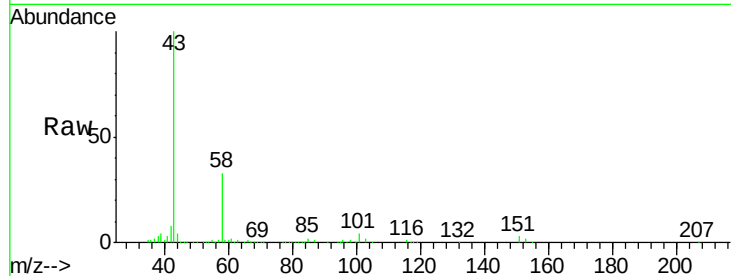
VICV45

Tgt Ion: 43 Resp: 153258

Ion Ratio Lower Upper

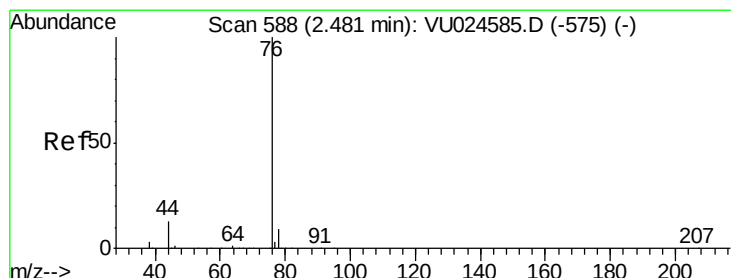
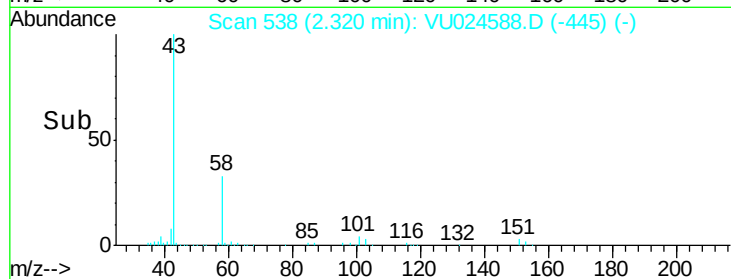
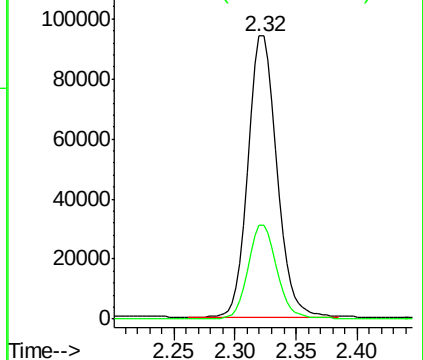
43 100

58 32.6 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 48.428 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024588.D

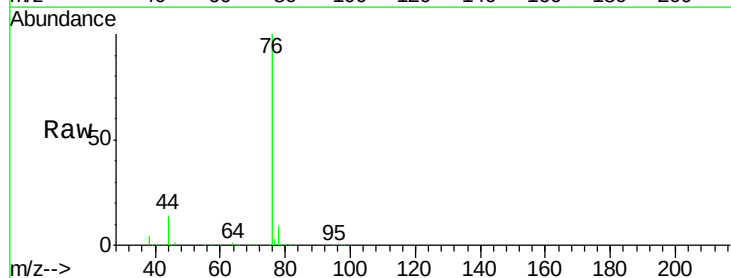
Acq: 15 Jun 2018 12:45

Tgt Ion: 76 Resp: 312176

Ion Ratio Lower Upper

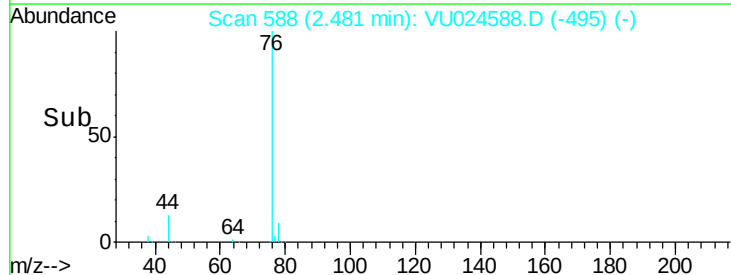
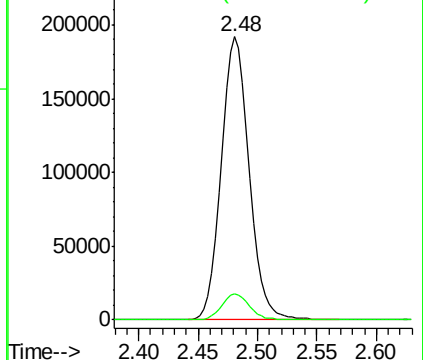
76 100

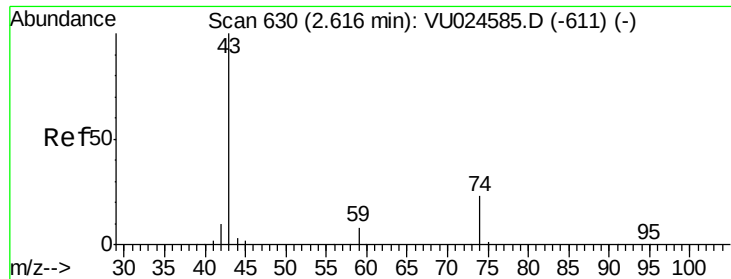
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 48.471 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

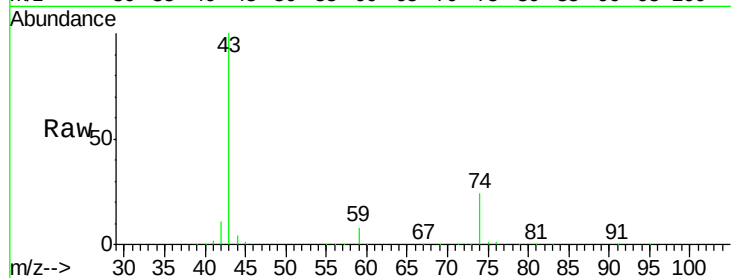
VICV45

Tgt Ion: 43 Resp: 126803

Ion Ratio Lower Upper

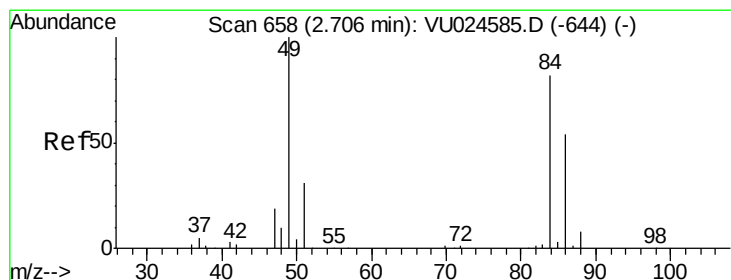
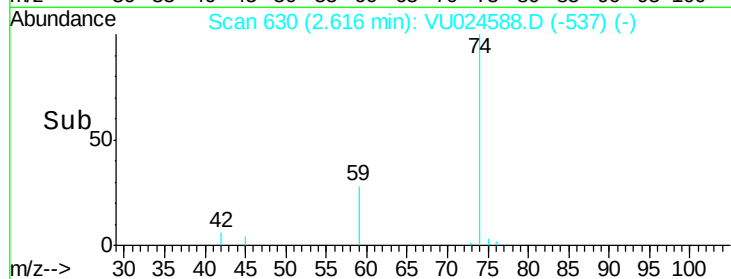
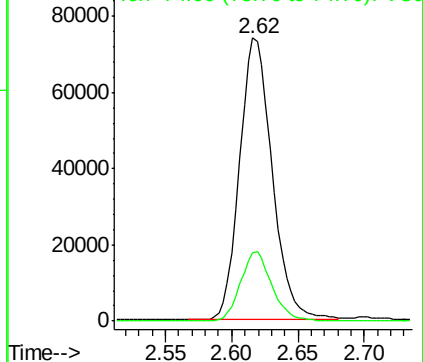
43 100

74 23.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 47.225 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

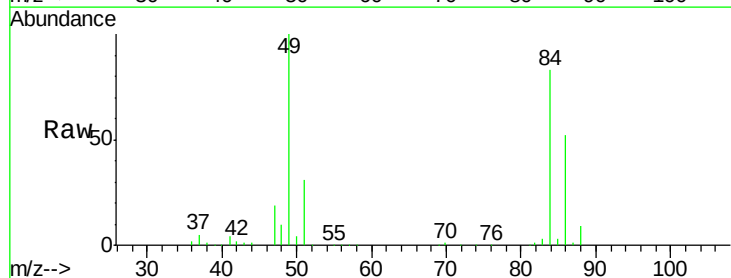
Tgt Ion: 84 Resp: 114245

Ion Ratio Lower Upper

84 100

86 62.8 46.1 85.7

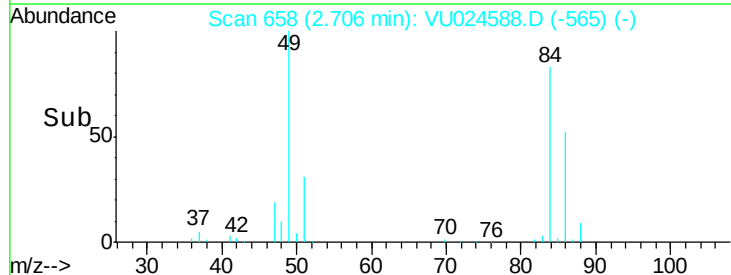
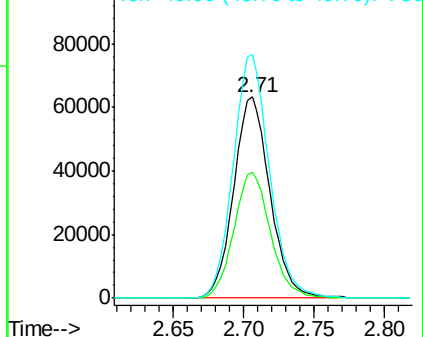
49 121.1 85.5 158.9

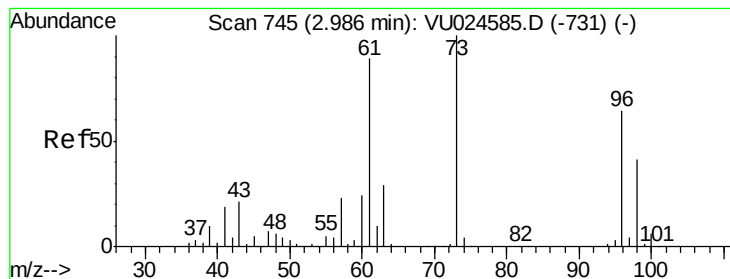


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 48.183 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

VICV45

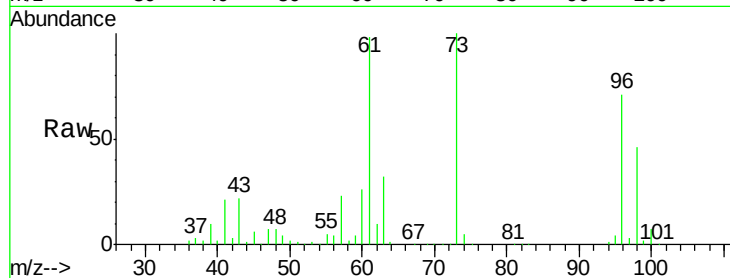
Tgt Ion: 96 Resp: 106955

Ion Ratio Lower Upper

96 100

61 138.5 97.4 180.8

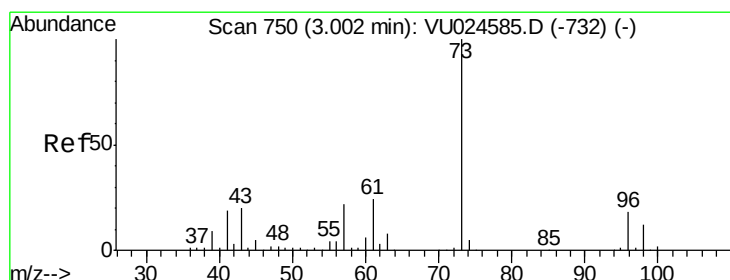
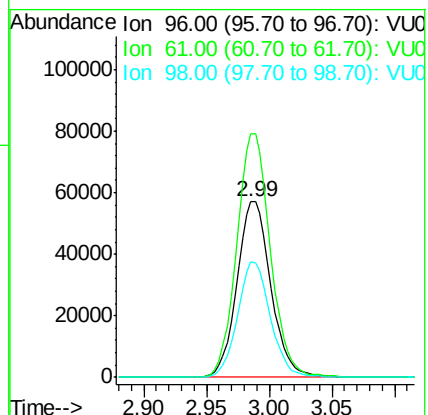
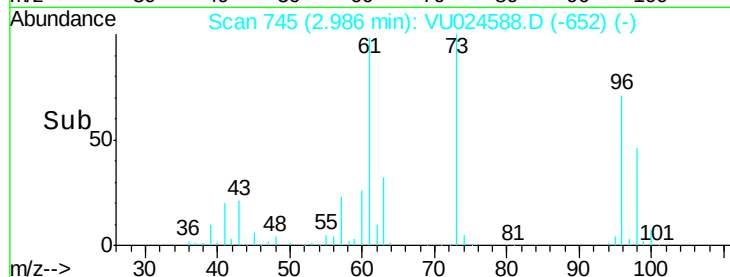
98 65.5 44.9 83.5



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: 47.672 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

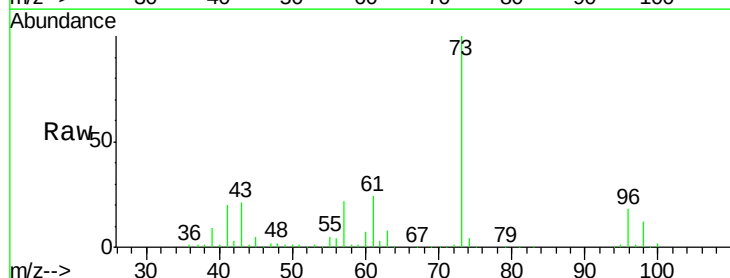
Tgt Ion: 73 Resp: 344081

Ion Ratio Lower Upper

73 100

43 20.7 16.4 24.6

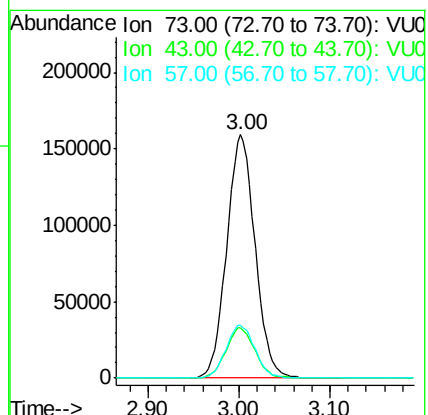
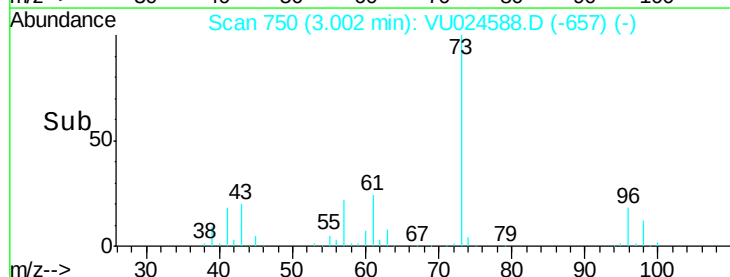
57 21.9 17.9 26.9

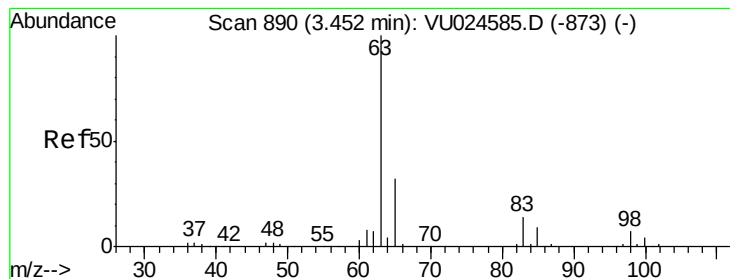


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 48.002 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

VICV45

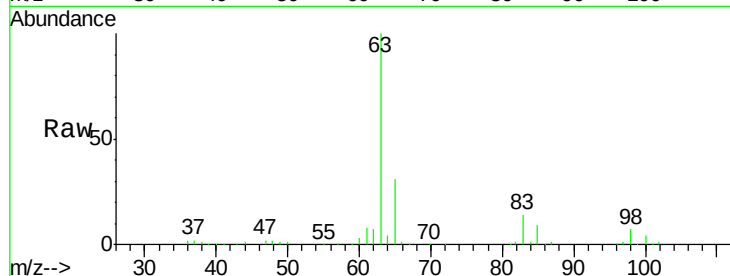
Tgt Ion: 63 Resp: 196143

Ion Ratio Lower Upper

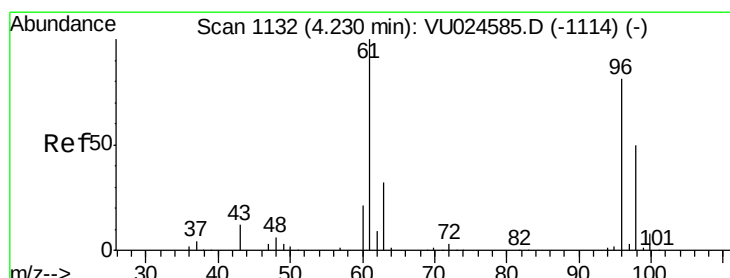
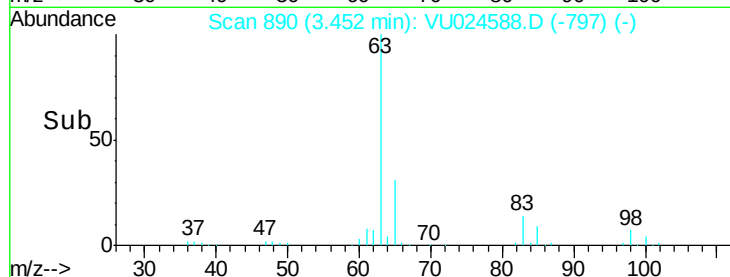
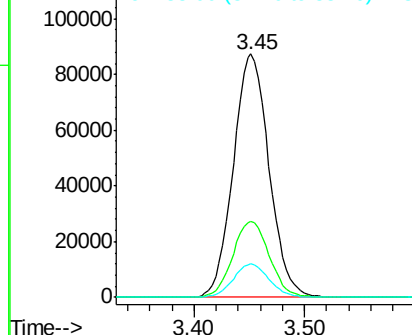
63 100

65 31.3 22.2 41.2

83 13.8 10.1 18.9



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



#20

cis-1,2-Dichloroethene

Concen: 47.345 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

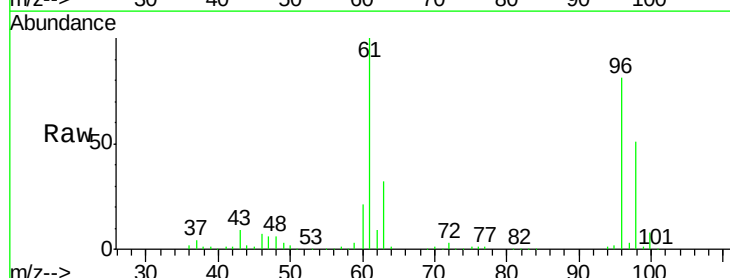
Tgt Ion: 96 Resp: 122516

Ion Ratio Lower Upper

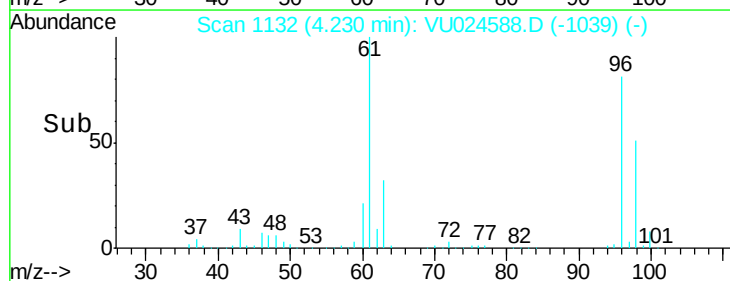
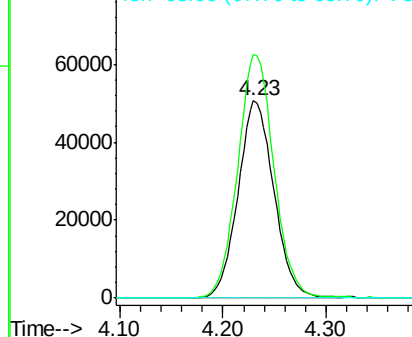
96 100

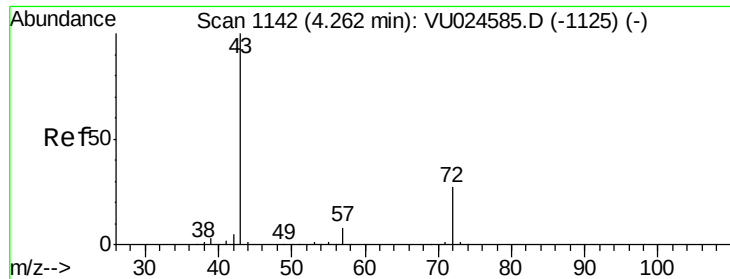
61 123.3 87.1 161.7

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 94.402 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

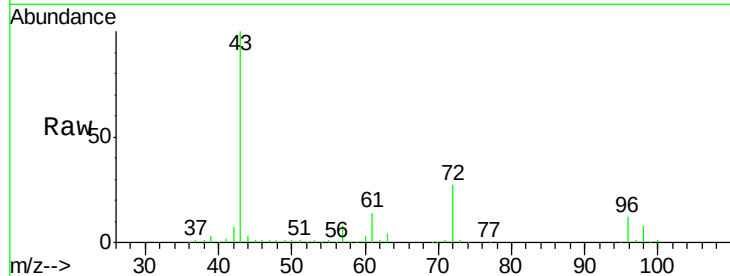
VICV45

Tgt Ion: 43 Resp: 205341

Ion Ratio Lower Upper

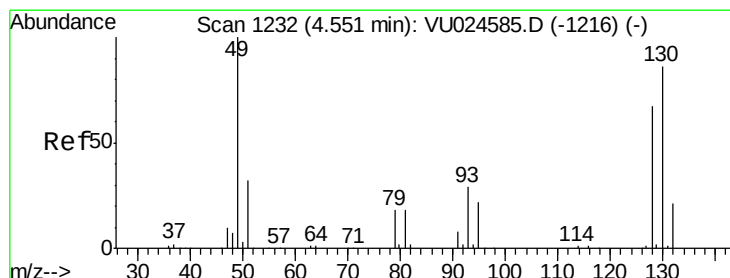
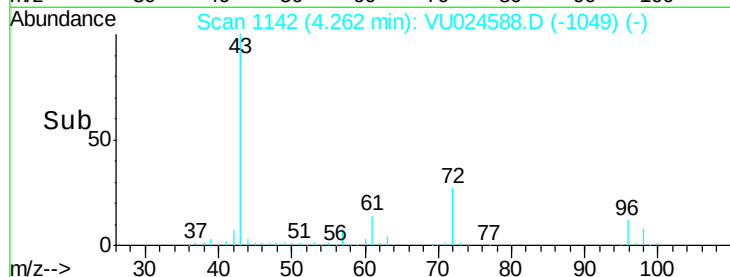
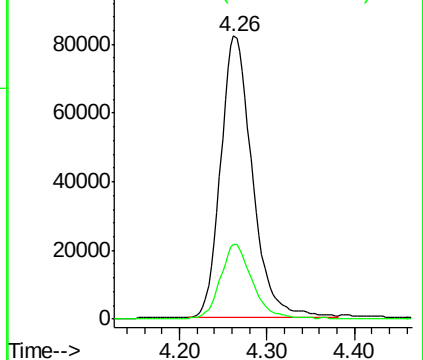
43 100

72 26.8 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 48.231 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Tgt Ion: 128 Resp: 62606

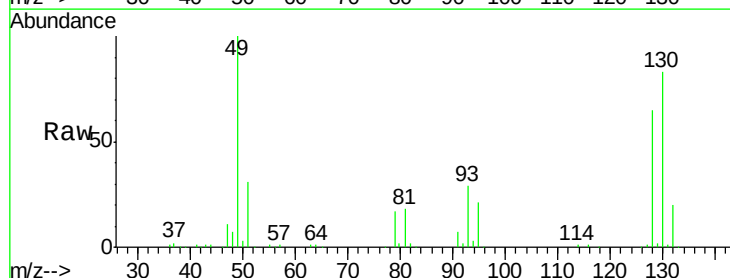
Ion Ratio Lower Upper

128 100

49 154.0 104.7 194.5

130 127.7 90.2 167.6

51 47.9 38.4 57.6

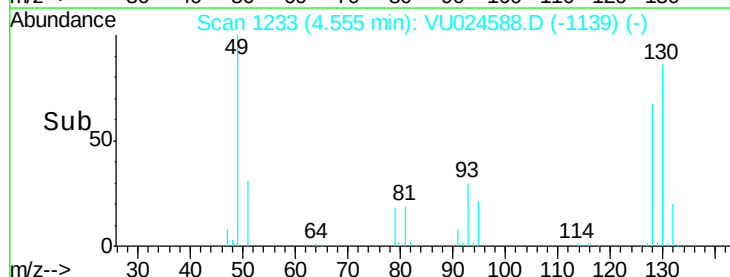
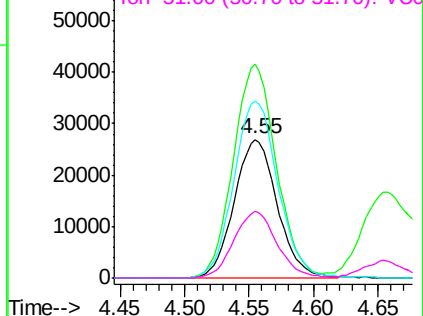


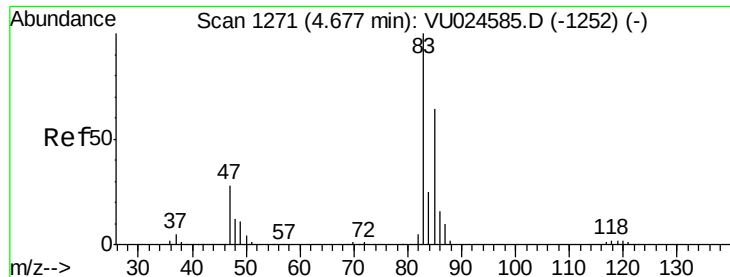
Abundance Ion 128.00 (127.70 to 128.70): V

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

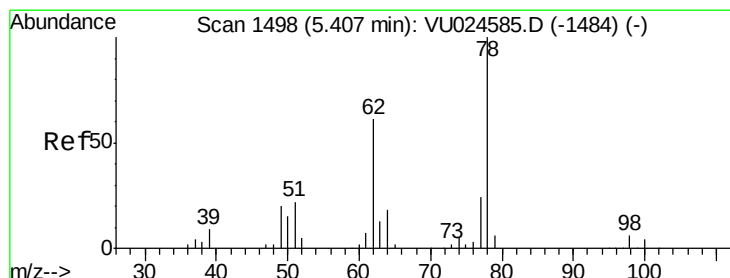
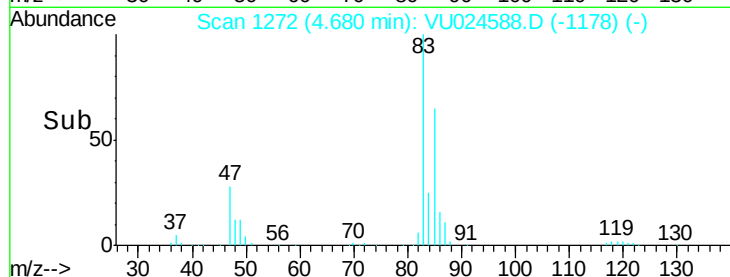
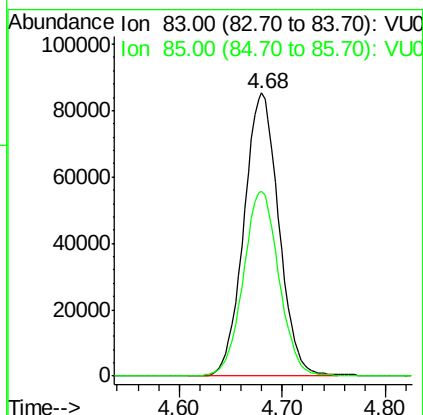
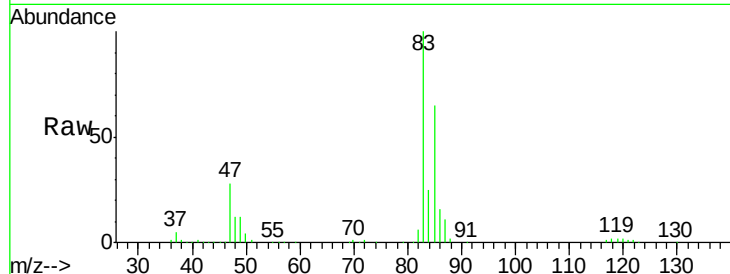




#25
Chloroform
Concen: 47.526 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

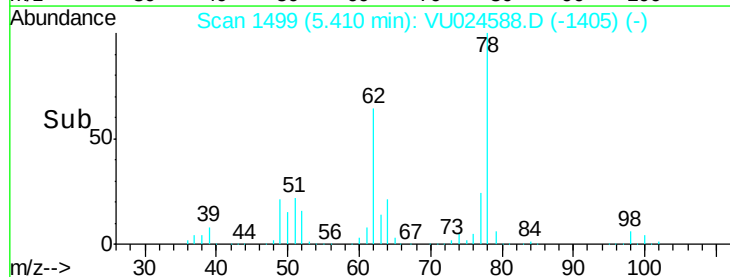
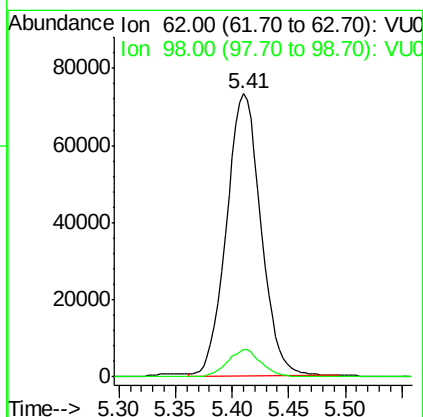
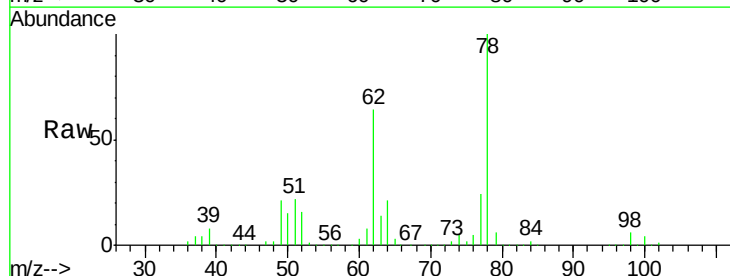
Instrument :
MSVOA_U
ClientSampleId :
VICV45

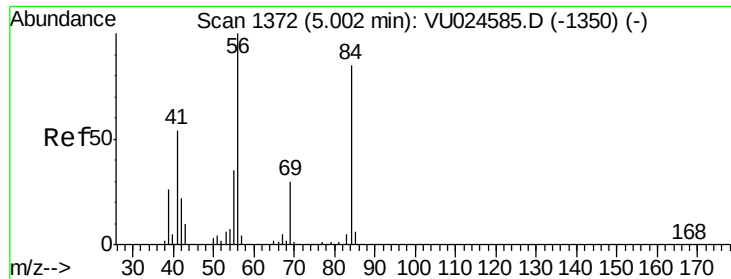
Tgt Ion: 83 Resp: 200314
Ion Ratio Lower Upper
83 100
85 65.4 44.4 82.5



#27
1,2-Dichloroethane
Concen: 47.924 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

Tgt Ion: 62 Resp: 155685
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2

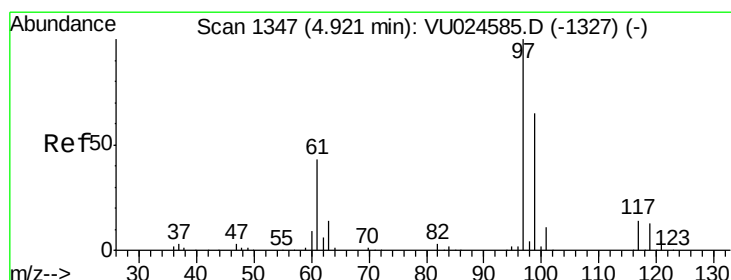
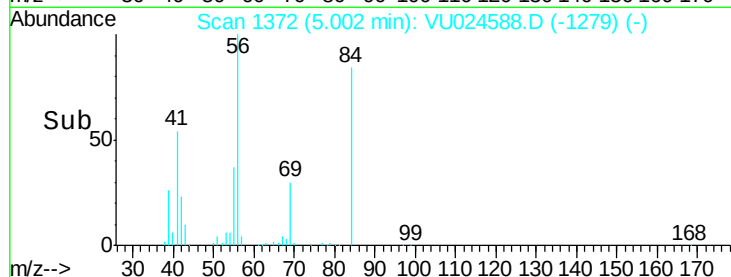
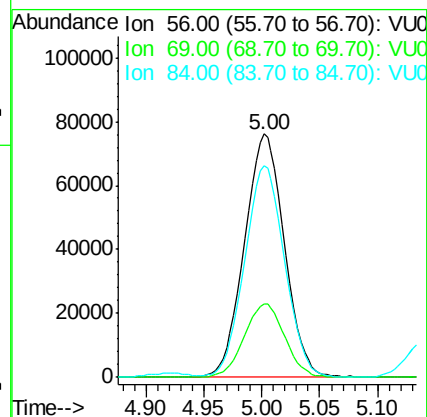
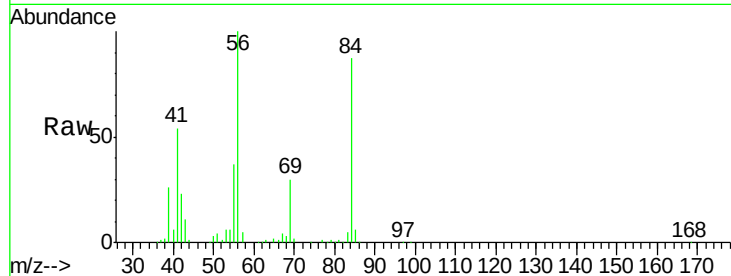




#29
Cyclohexane
Concen: 48.140 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

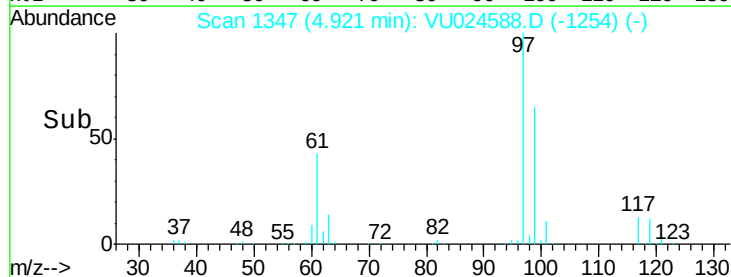
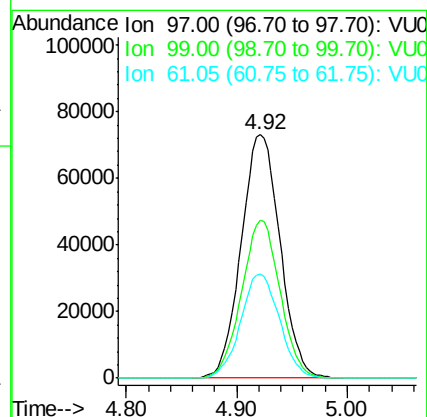
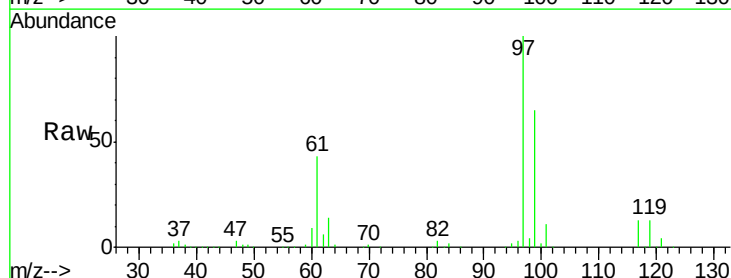
Instrument :
MSVOA_U
ClientSampleId :
VICV45

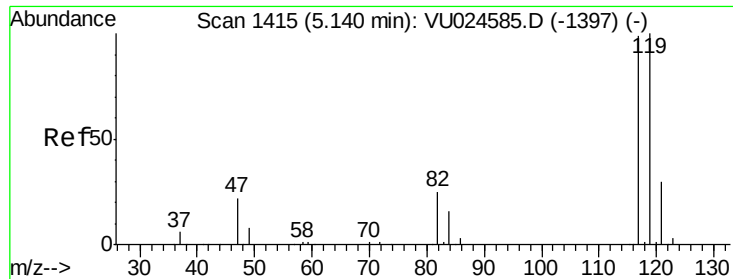
Tgt Ion: 56 Resp: 182560
Ion Ratio Lower Upper
56 100
69 30.4 24.7 37.1
84 86.9 68.8 103.2



#30
1,1,1-Trichloroethane
Concen: 48.225 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

Tgt Ion: 97 Resp: 178719
Ion Ratio Lower Upper
97 100
99 64.1 51.4 77.0
61 42.8 33.8 50.8

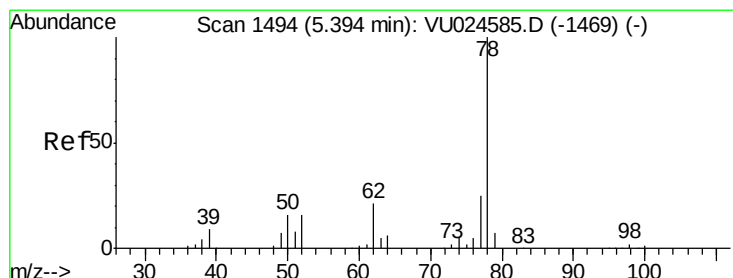
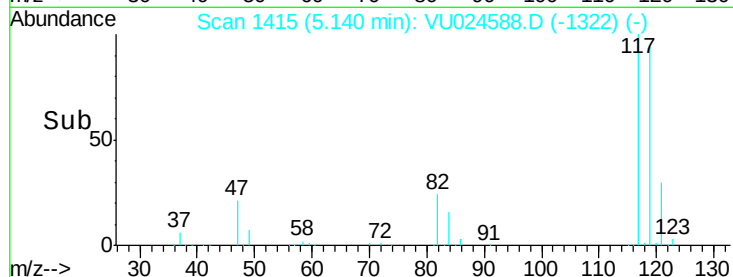
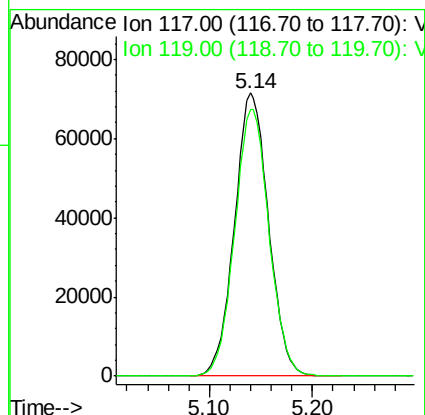
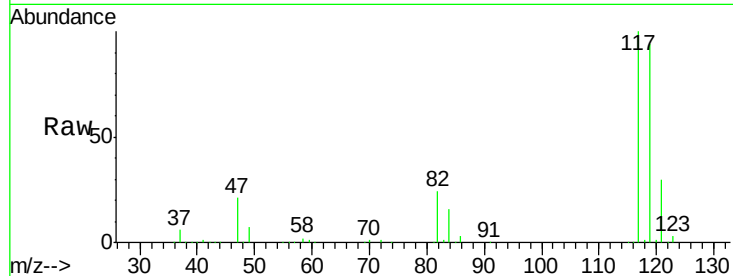




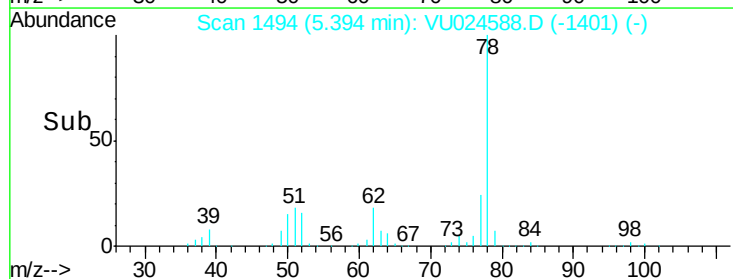
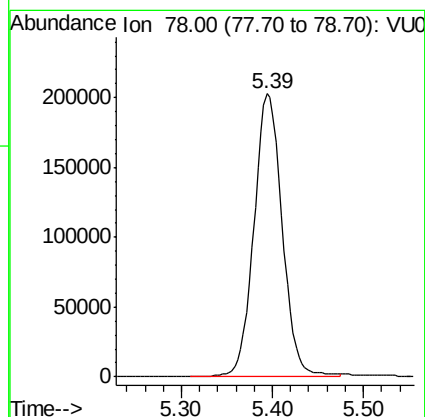
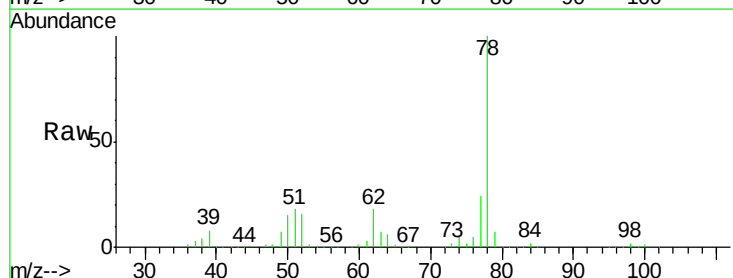
#31
Carbon tetrachloride
Concen: 48.410 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

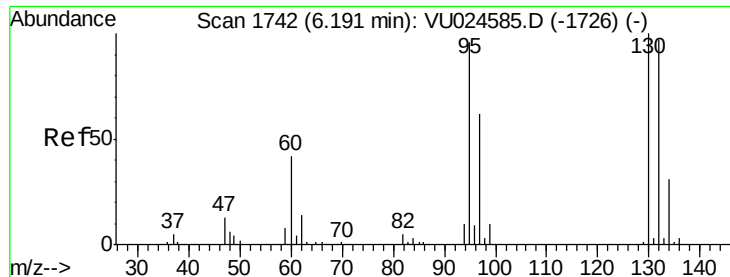
Instrument :
MSVOA_U
ClientSampleId :
VICV45

Tgt Ion:117 Resp: 164204
Ion Ratio Lower Upper
117 100
119 95.2 77.7 116.5



#33
Benzene
Concen: 48.780 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45
Tgt Ion: 78 Resp: 438519





#34

Trichloroethene

Concen: 47.850 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

VICV45

Tgt Ion: 95 Resp: 118884

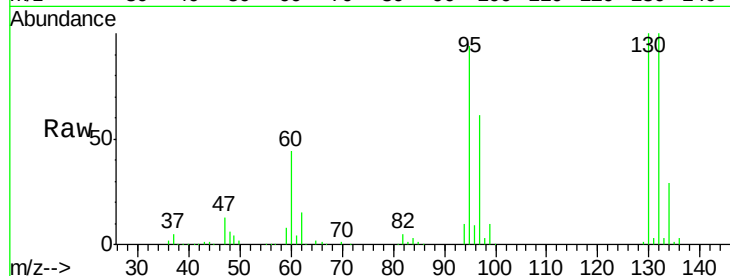
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 106.0 70.4 130.8

130 106.2 72.6 134.8

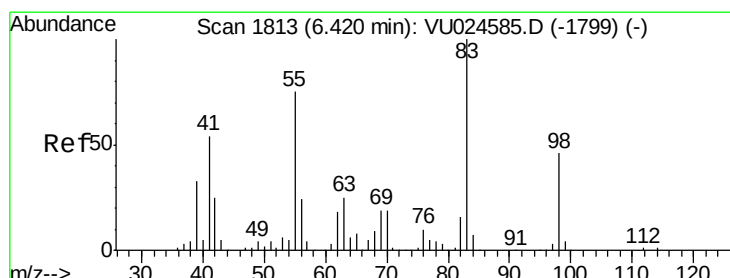
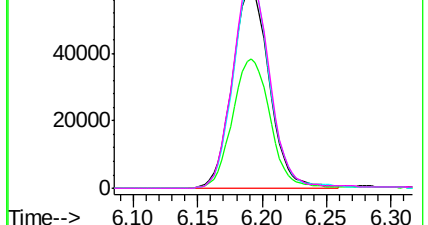
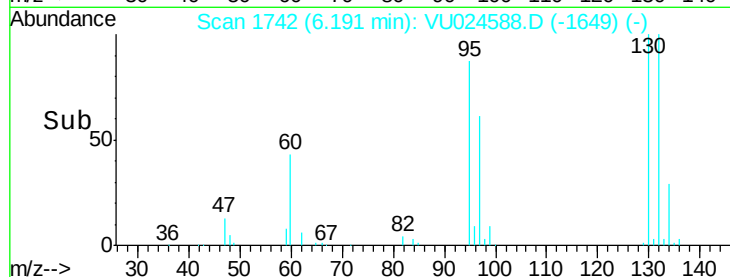


Abundance Ion 95.00 (94.70 to 95.70): VU024588.D (-1726) (-)

Ion 97.00 (96.70 to 97.70): VU024588.D (-1726) (-)

Ion 132.00 (131.70 to 132.70): VU024588.D (-1726) (-)

Ion 130.00 (129.70 to 130.70): VU024588.D (-1726) (-)



#35

Methylcyclohexane

Concen: 47.614 ug/L

RT: 6.42 min Scan# 1814

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

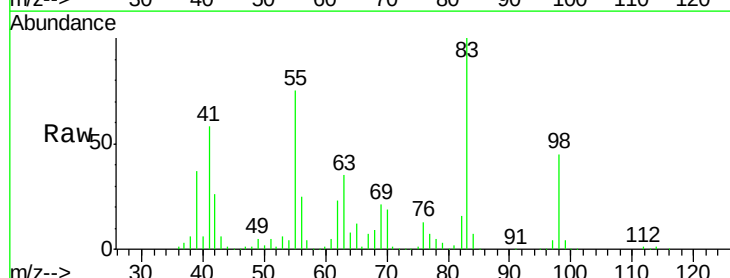
Tgt Ion: 83 Resp: 190175

Ion Ratio Lower Upper

83 100

55 76.0 59.4 89.0

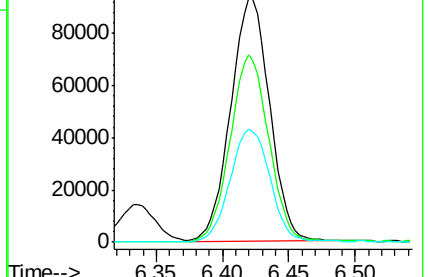
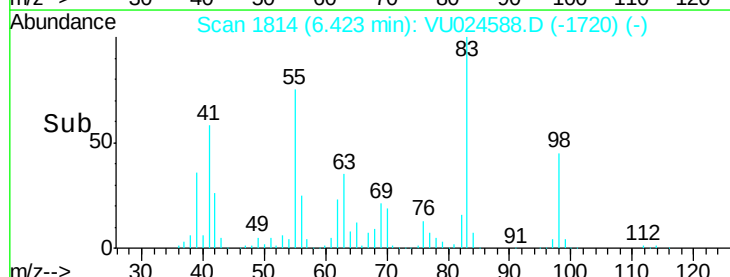
98 47.6 37.6 56.4

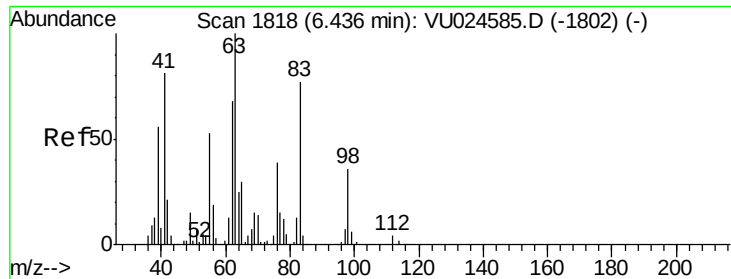


Abundance Ion 83.00 (82.70 to 83.70): VU024588.D (-1799) (-)

Ion 55.00 (54.70 to 55.70): VU024588.D (-1799) (-)

Ion 98.00 (97.70 to 98.70): VU024588.D (-1799) (-)

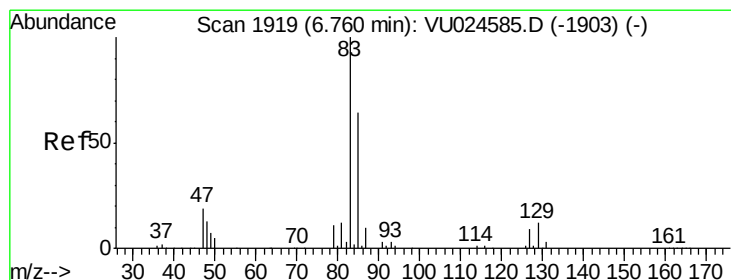
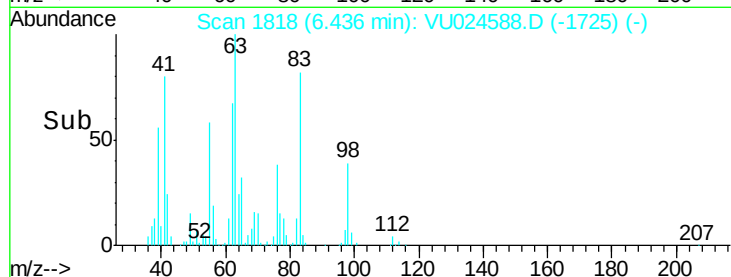
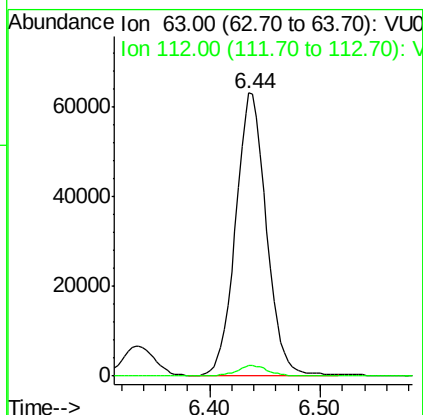
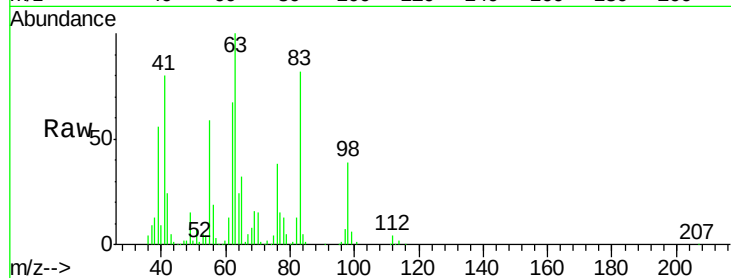




#37
 1,2-Dichloropropane
 Concen: 48.412 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

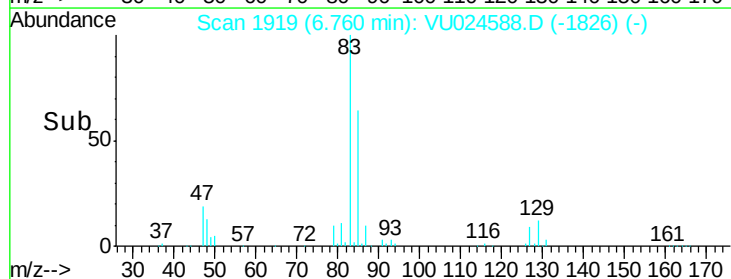
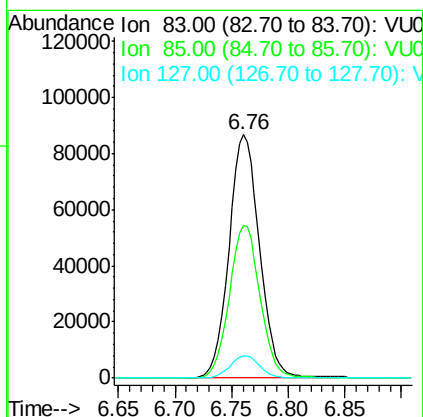
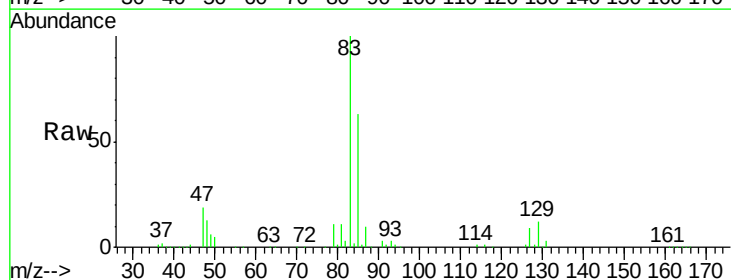
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

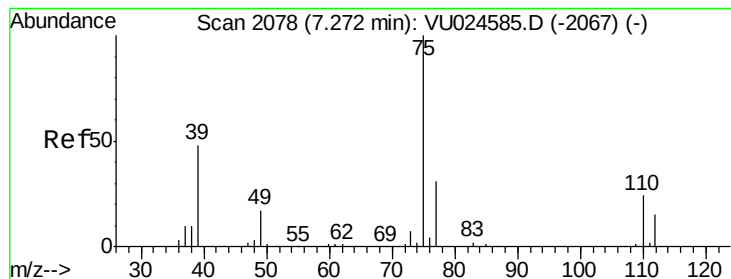
Tgt Ion: 63 Resp: 120977
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.546 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

Tgt Ion: 83 Resp: 163197
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.9 83.3
 127 9.1 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 49.665 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

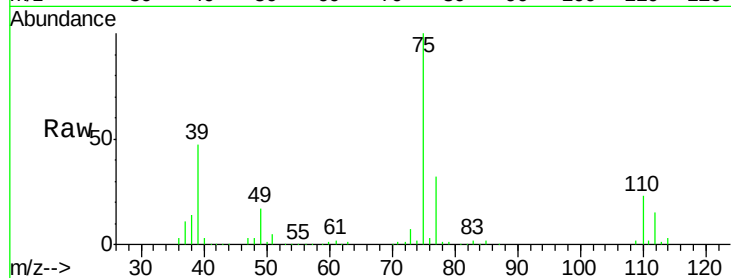
VICV45

Tgt Ion: 75 Resp: 194539

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.27

120000

100000

80000

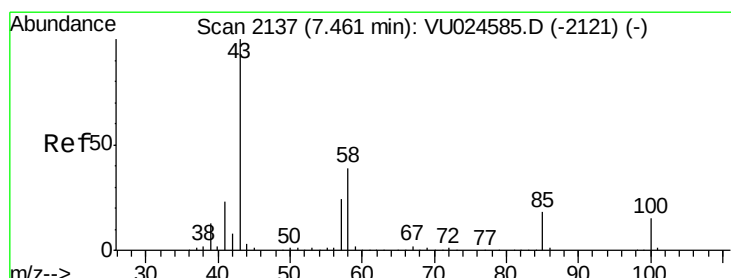
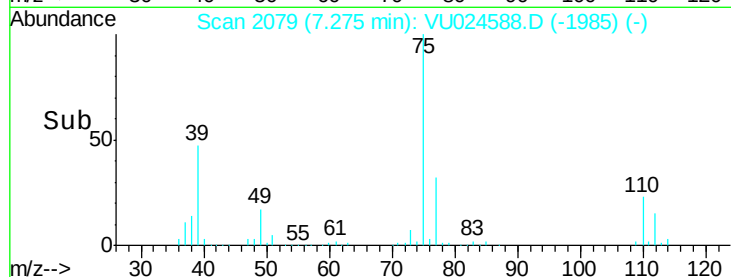
60000

40000

20000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 98.855 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

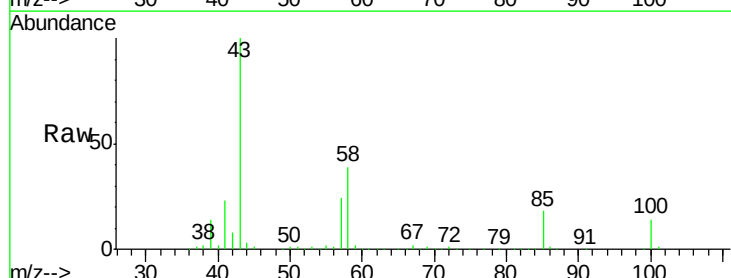
Tgt Ion: 43 Resp: 366793

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.6

100 14.5 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

7.46

250000

200000

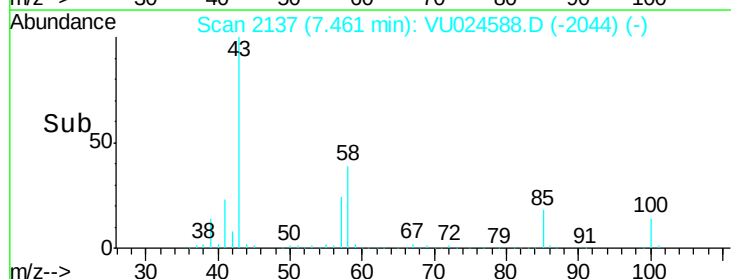
150000

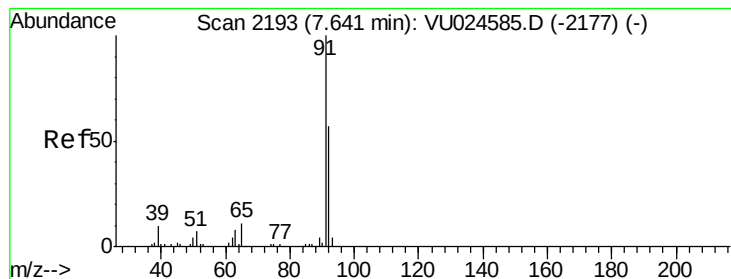
100000

50000

0

Time-->





#42

Toluene

Concen: 47.810 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

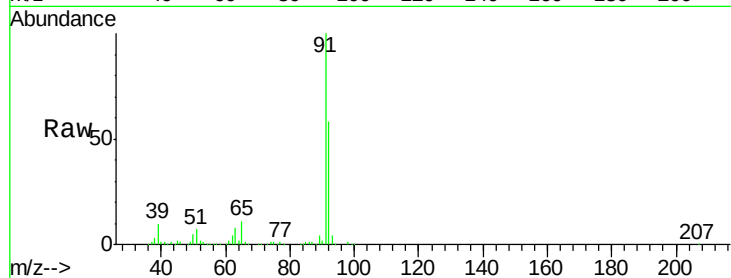
VICV45

Tgt Ion: 91 Resp: 477619

Ion Ratio Lower Upper

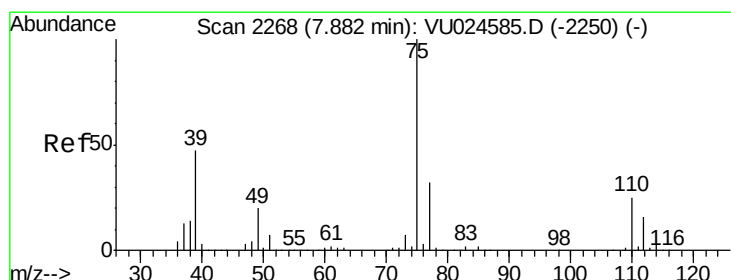
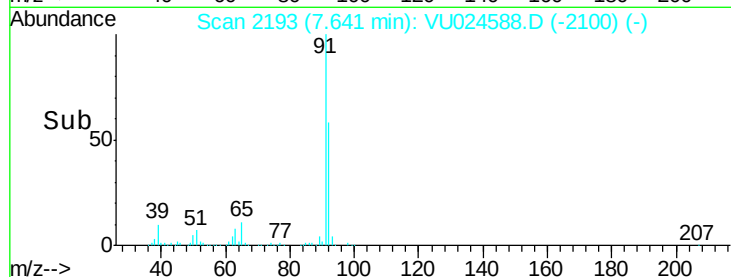
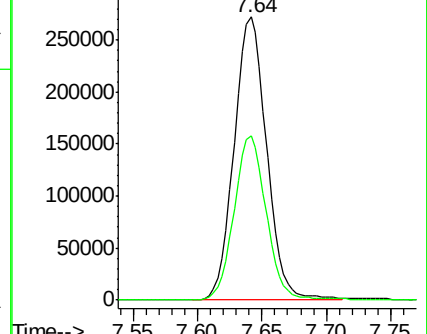
91 100

92 57.9 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: 49.064 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024588.D

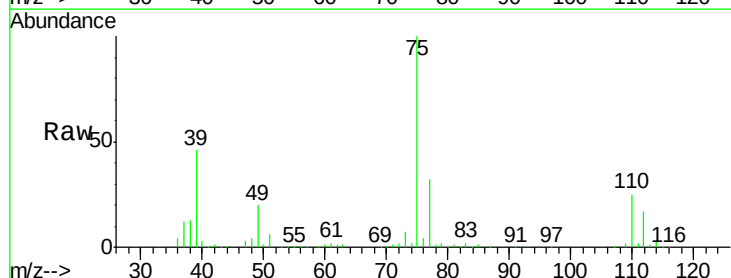
Acq: 15 Jun 2018 12:45

Tgt Ion: 75 Resp: 175759

Ion Ratio Lower Upper

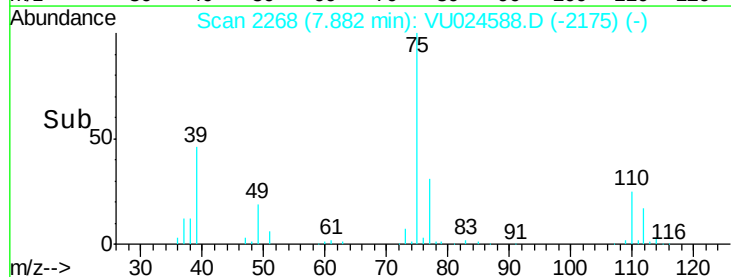
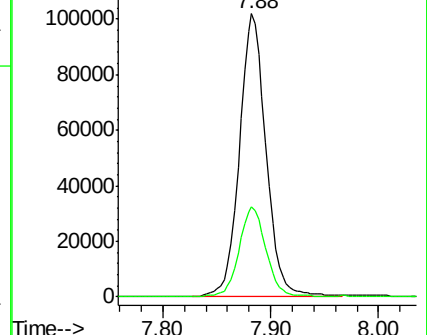
75 100

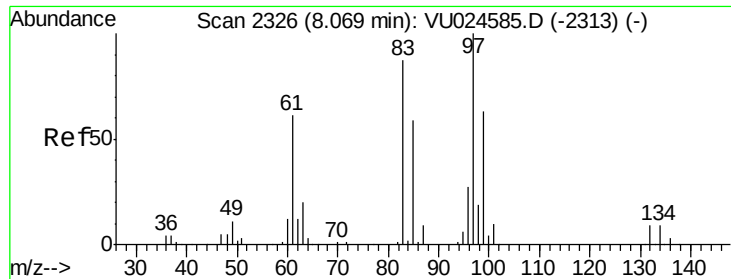
77 31.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

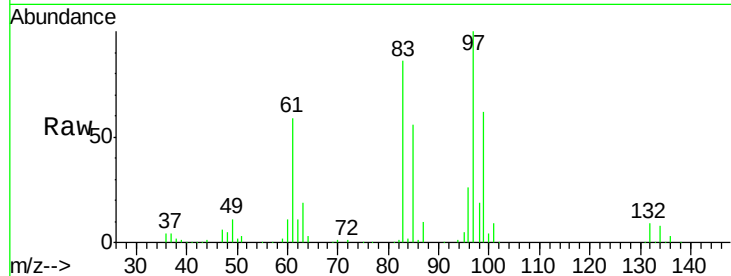




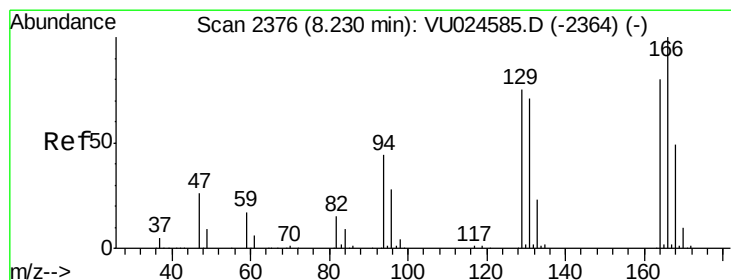
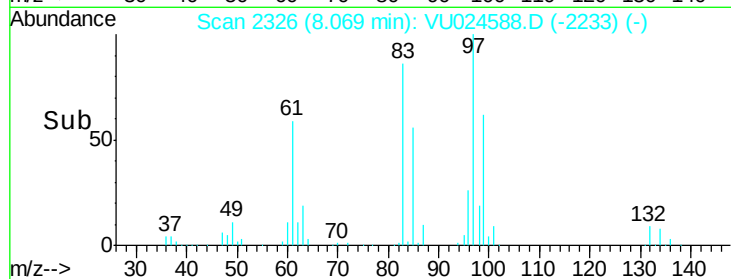
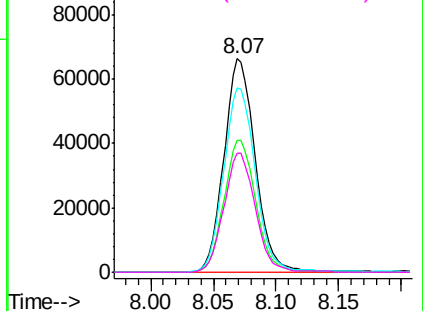
#45
 1,1,2-Trichloroethane
 Concen: 48.871 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

Tgt Ion:	97	Resp:	114913
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.0	81.8
83	86.1	61.0	113.2
85	55.9	41.3	76.7

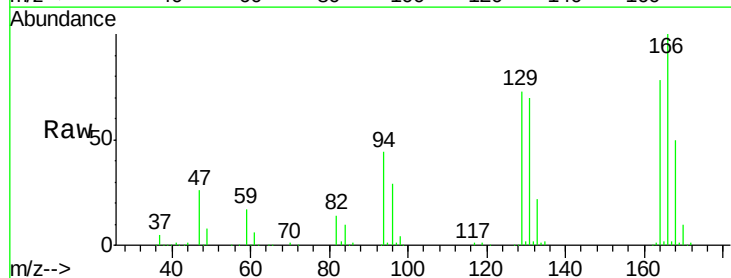


Abundance Ion 97.00 (96.70 to 97.70): VU024588.D (-2326) (-)

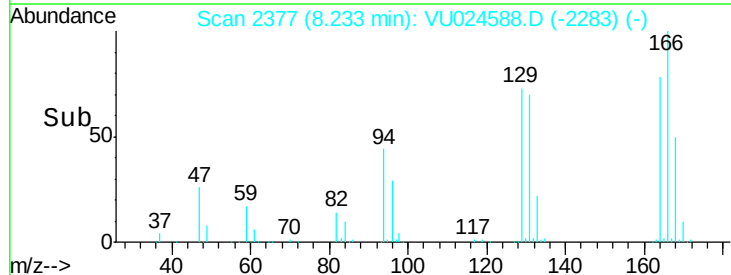
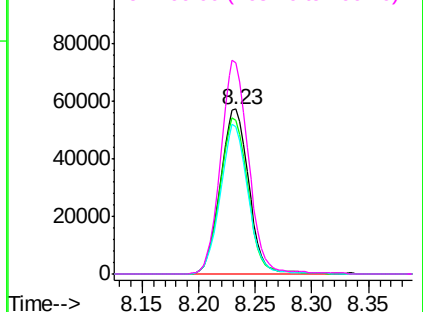


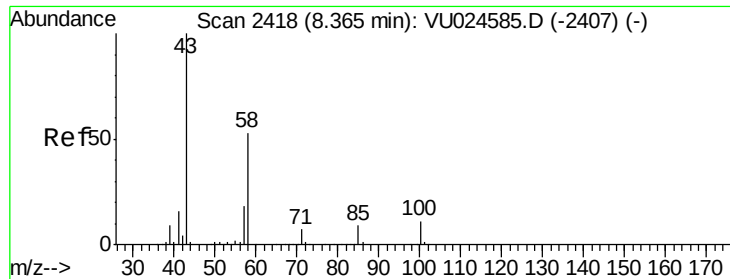
#46
 Tetrachloroethene
 Concen: 48.018 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

Tgt Ion:	164	Resp:	100427
Ion	Ratio	Lower	Upper
164	100		
129	92.9	65.7	121.9
131	89.4	62.0	115.2
166	127.7	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU024588.D (-2376) (-)

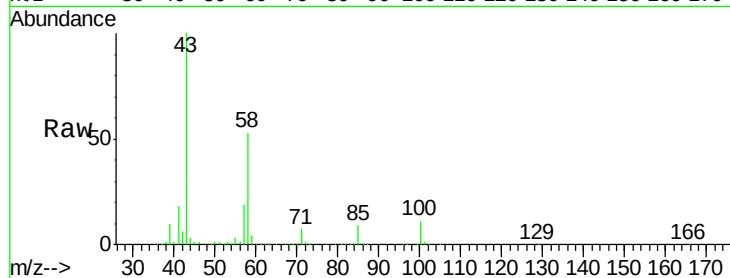




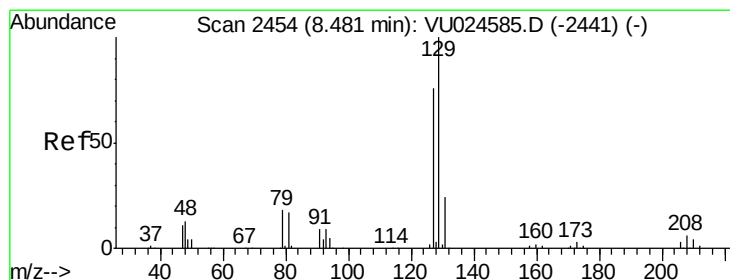
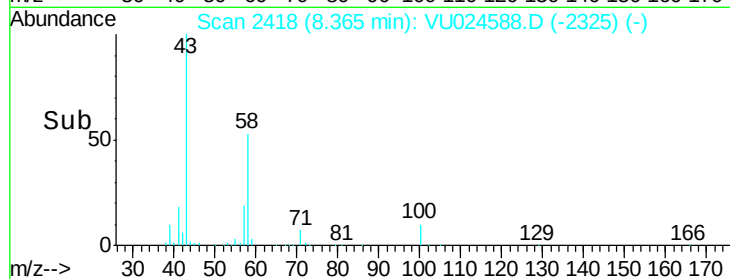
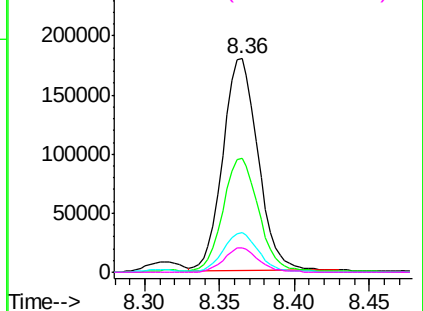
#48
2-Hexanone
Concen: 97.690 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

Instrument :
MSVOA_U
ClientSampled :
VICV45

Tgt Ion: 43 Resp: 294532
Ion Ratio Lower Upper
43 100
58 53.8 42.6 63.8
57 18.5 14.7 22.1
100 11.5 9.0 13.4

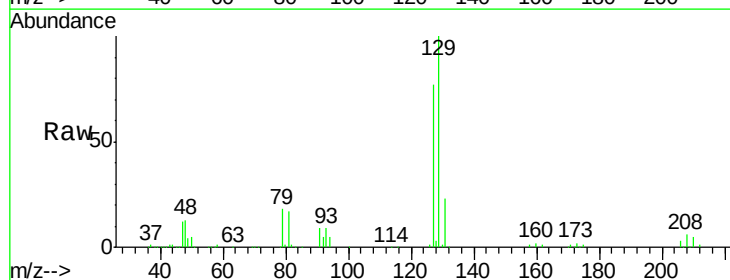


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

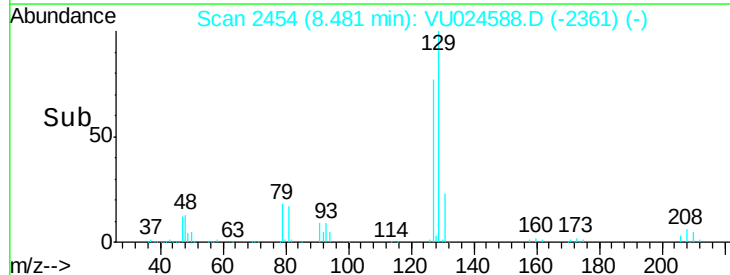
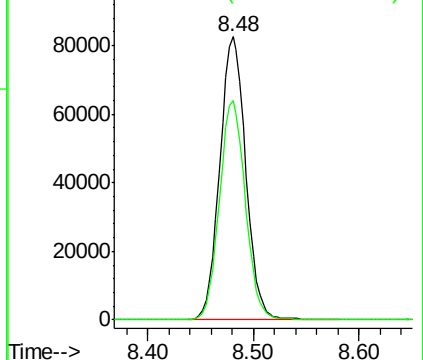


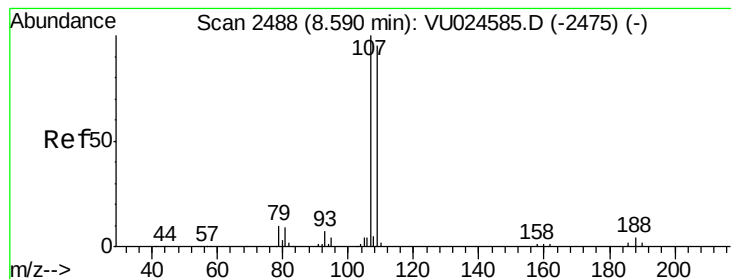
#49
Dibromochloromethane
Concen: 48.892 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024588.D
Acq: 15 Jun 2018 12:45

Tgt Ion: 129 Resp: 140858
Ion Ratio Lower Upper
129 100
127 77.4 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: 48.557 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

VICV45

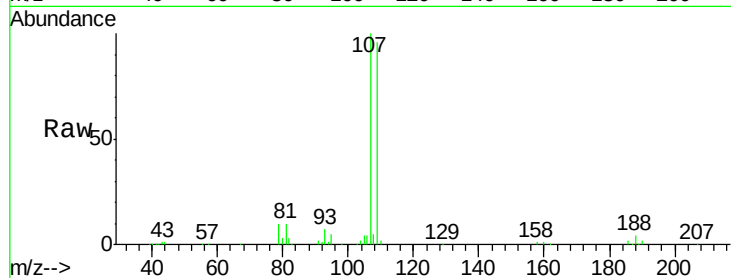
Tgt Ion:107 Resp: 125303

Ion Ratio Lower Upper

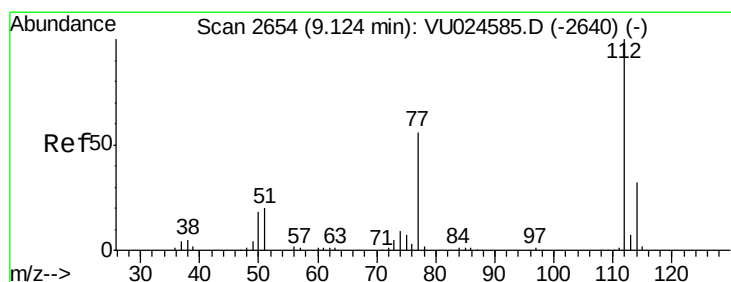
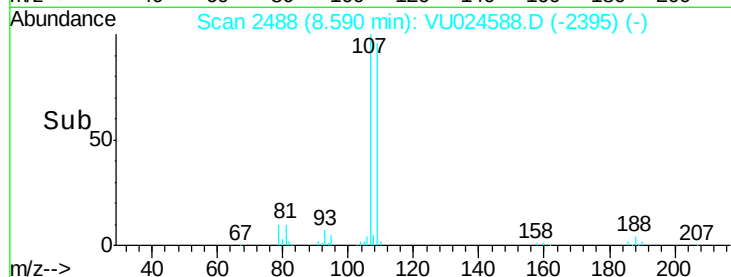
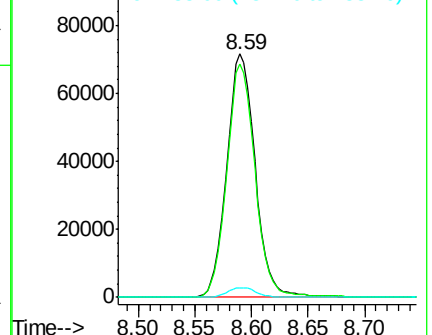
107 100

109 95.6 66.6 123.6

188 3.8 3.0 4.6



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



#51

Chlorobenzene

Concen: 48.397 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

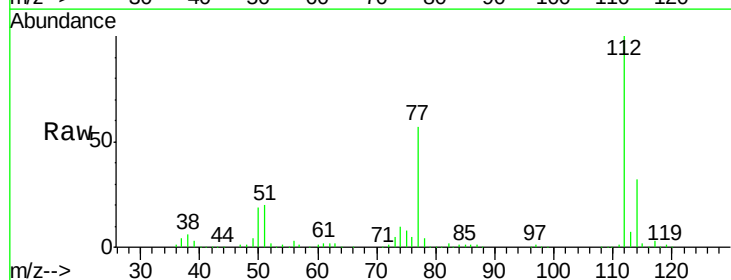
Tgt Ion:112 Resp: 323999

Ion Ratio Lower Upper

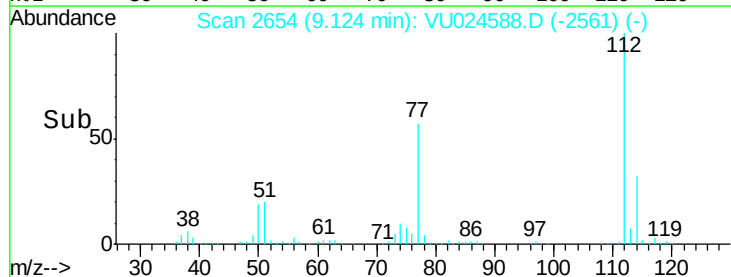
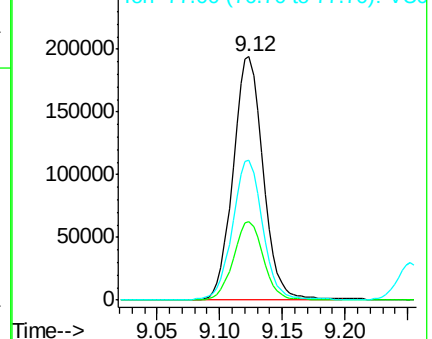
112 100

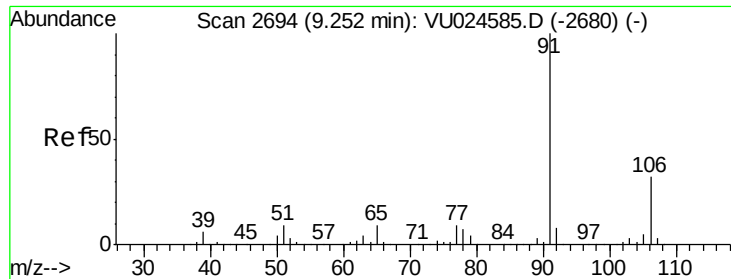
114 32.3 22.7 42.1

77 57.4 45.0 67.6



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





#52

Ethylbenzene

Concen: 48.249 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

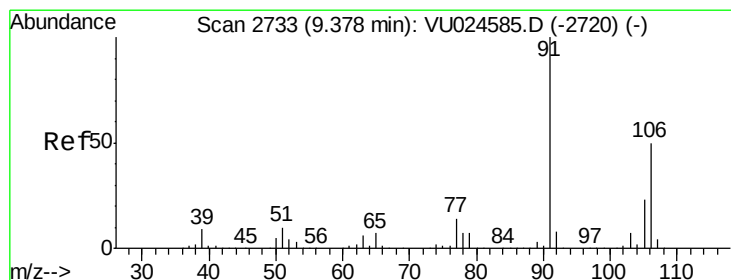
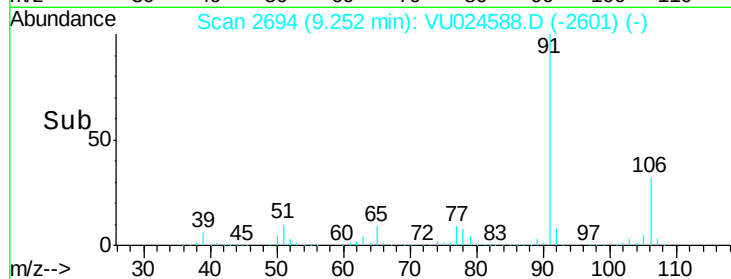
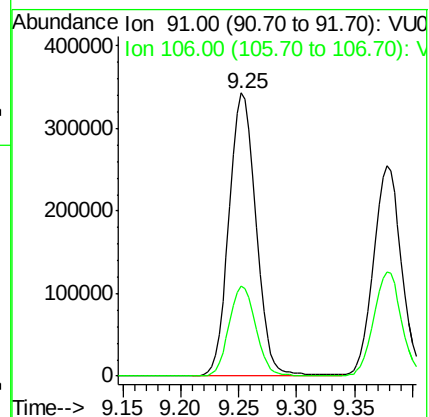
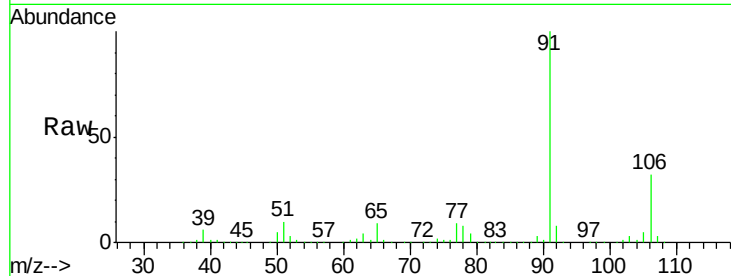
VICV45

Tgt Ion: 91 Resp: 552615

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#53

m,p-Xylene

Concen: 47.665 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024588.D

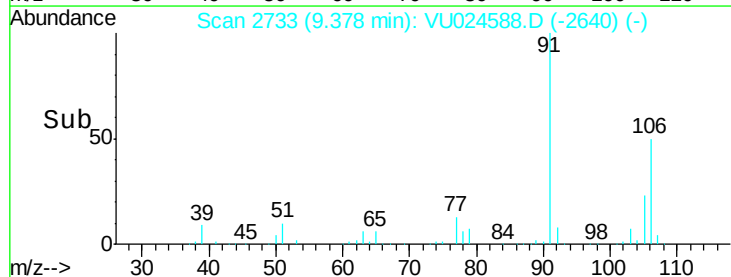
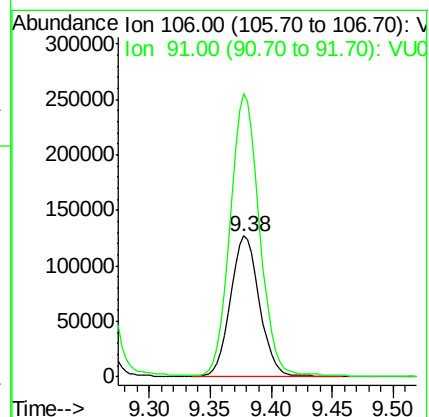
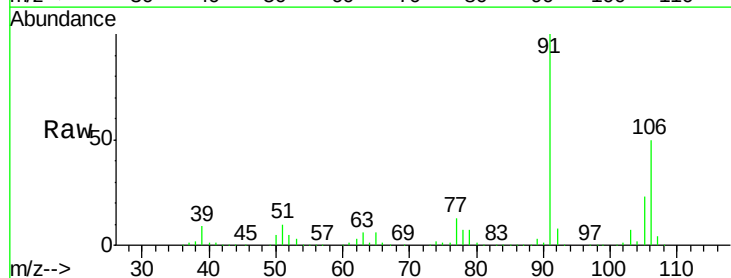
Acq: 15 Jun 2018 12:45

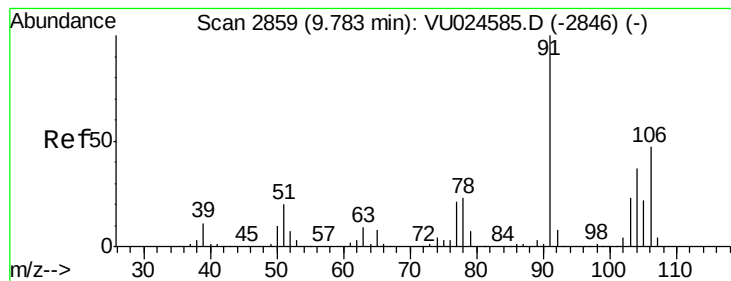
Tgt Ion: 106 Resp: 210082

Ion Ratio Lower Upper

106 100

91 200.8 141.5 262.7





#54

o-xylene

Concen: 48.080 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

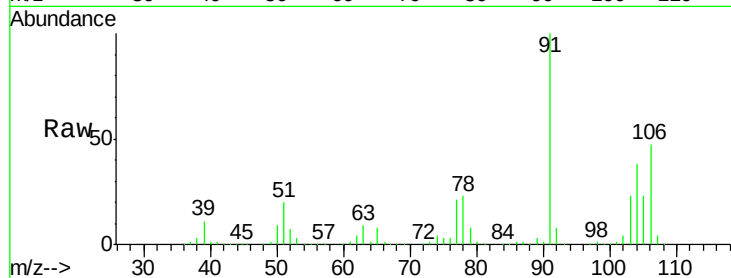
VICV45

Tgt Ion:106 Resp: 209061

Ion Ratio Lower Upper

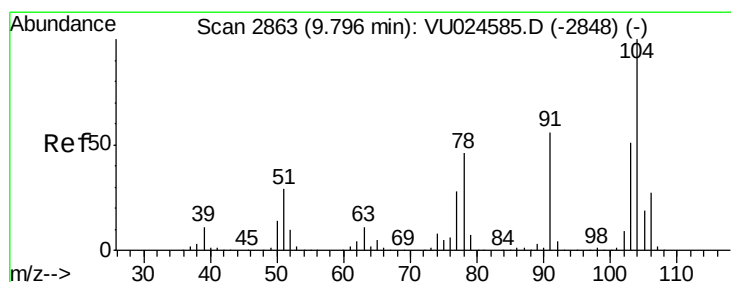
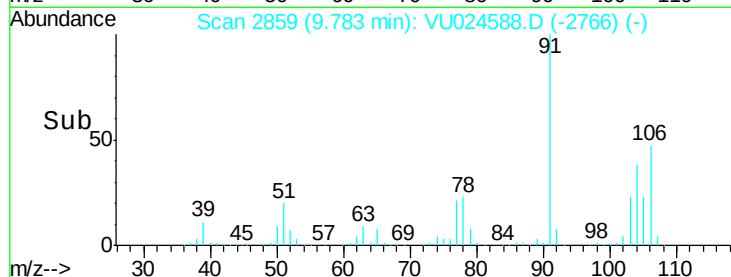
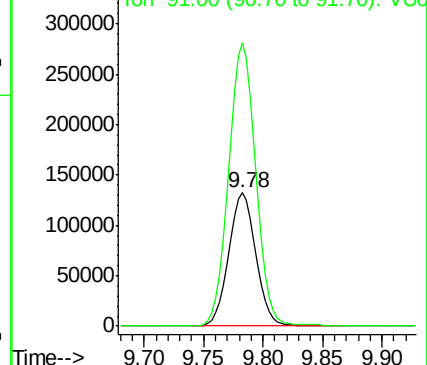
106 100

91 212.4 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.976 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU024588.D

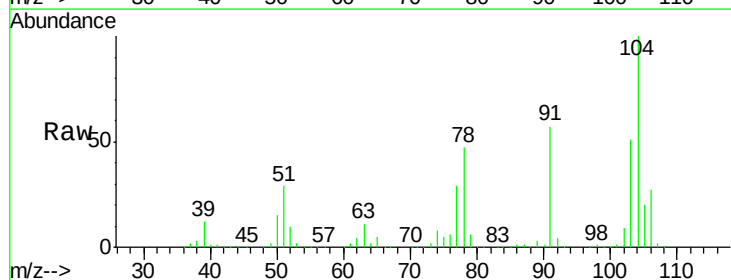
Acq: 15 Jun 2018 12:45

Tgt Ion:104 Resp: 362105

Ion Ratio Lower Upper

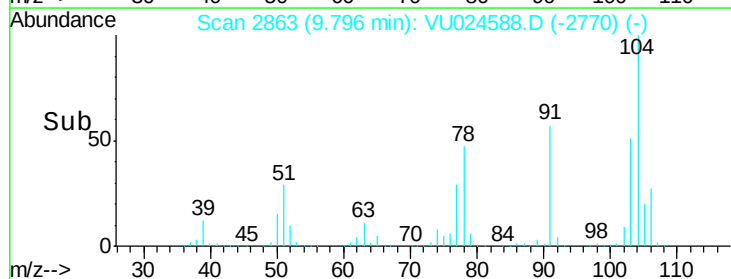
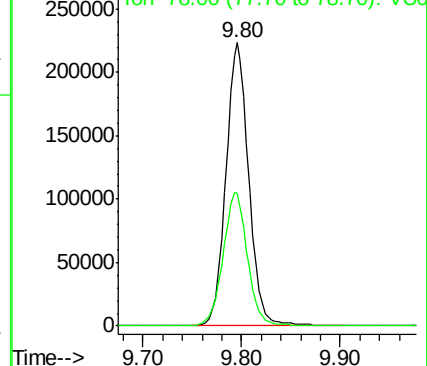
104 100

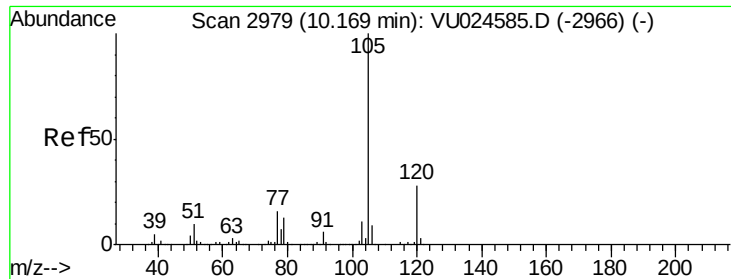
78 46.6 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.317 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

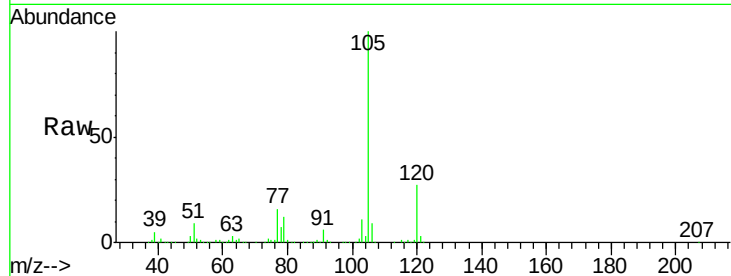
Instrument :

MSVOA_U

ClientSampleId :

VICV45

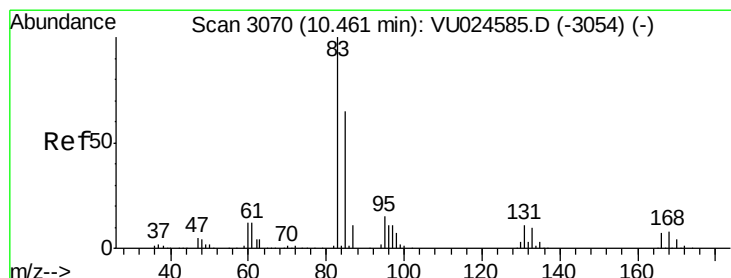
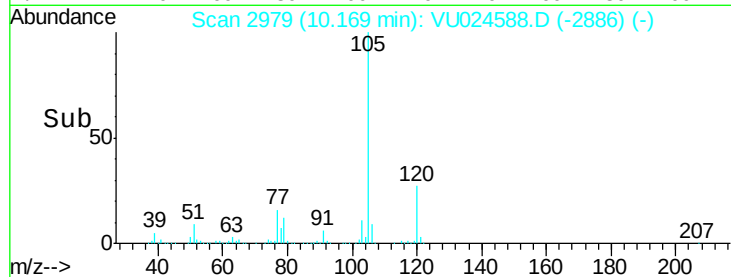
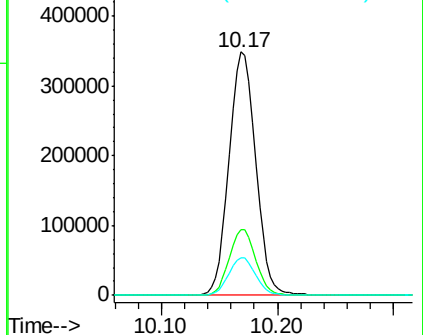
Tgt Ion:	105	Resp:	554315
Ion Ratio	Lower	Upper	
105	100		
120	26.9	22.1	33.1
77	15.7	12.7	19.1



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: 48.713 ug/L

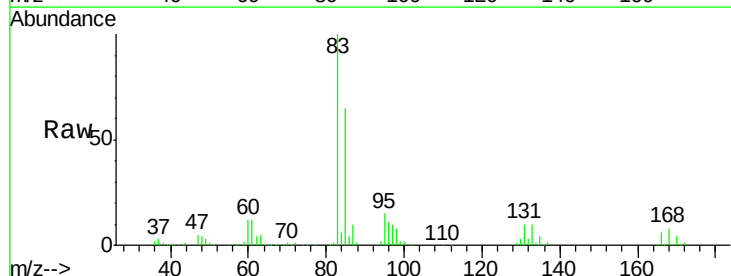
RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

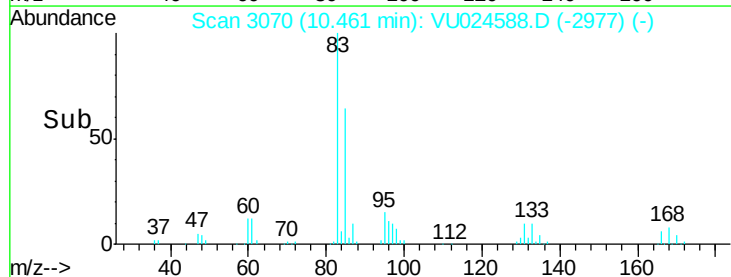
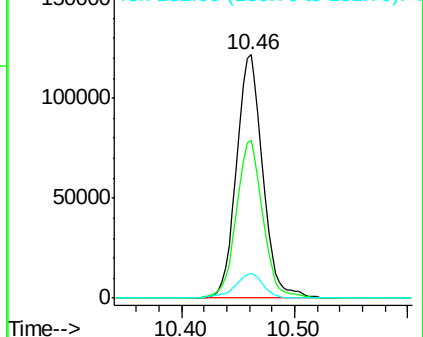
Tgt Ion:	83	Resp:	197359
Ion Ratio	Lower	Upper	
83	100		
85	64.7	45.9	85.3
131	10.1	8.6	12.8

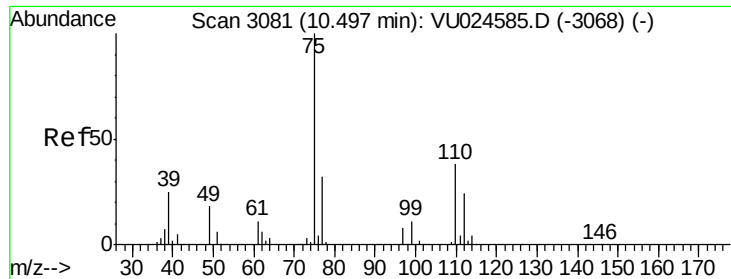


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

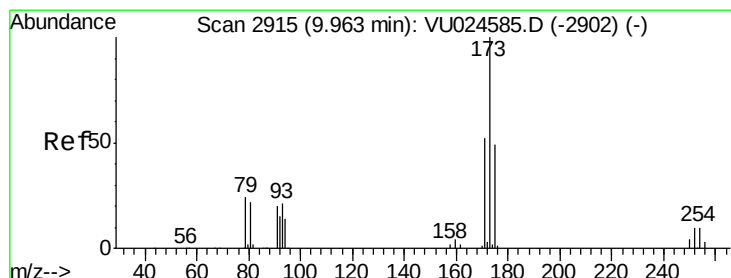
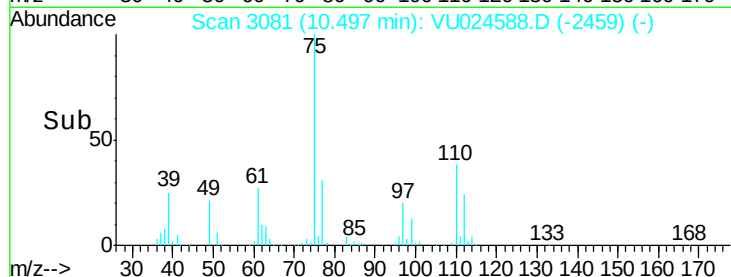
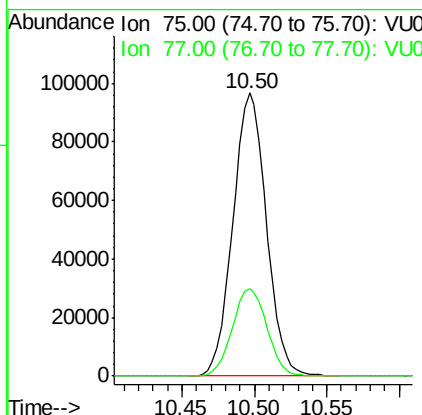
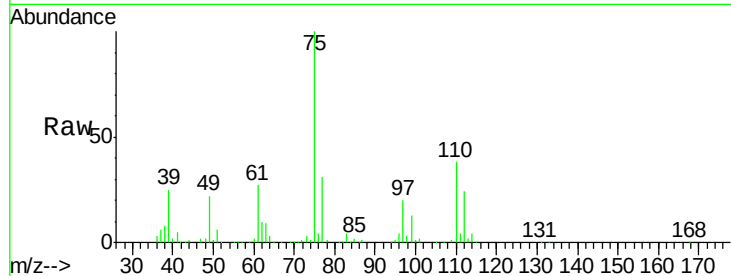




#59
 1,2,3-Trichloropropane
 Concen: 48.831 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

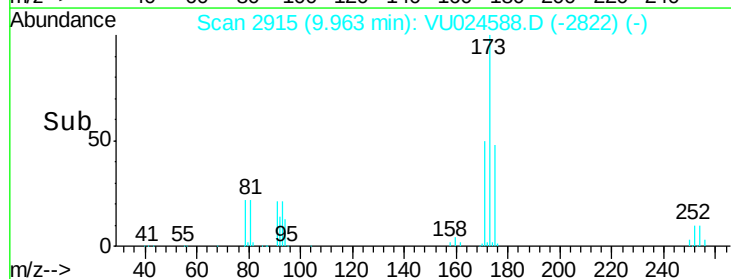
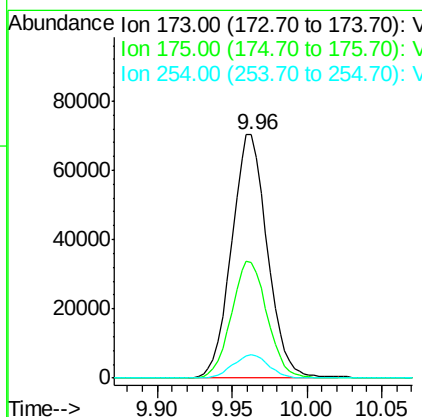
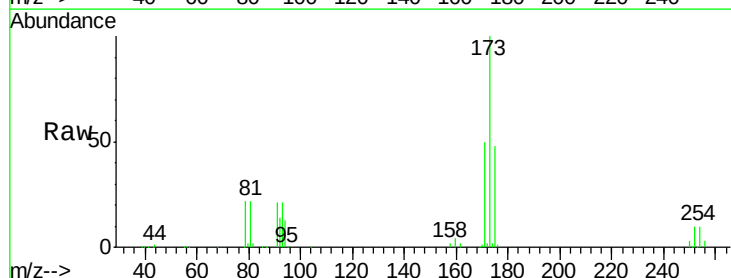
Instrument :
 MSVOA_U
 ClientSampled :
 VICV45

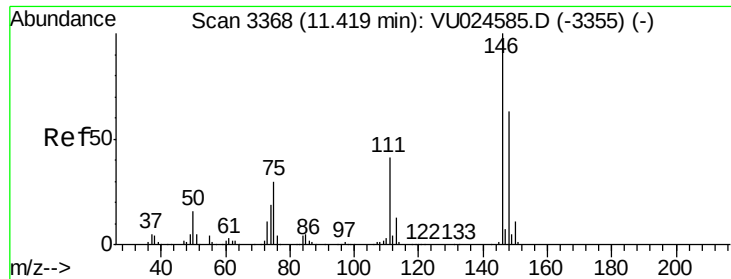
Tgt Ion: 75 Resp: 155117
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5



#61
 Bromoform
 Concen: 49.668 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

Tgt Ion: 173 Resp: 117108
 Ion Ratio Lower Upper
 173 100
 175 48.1 39.3 58.9
 254 9.6 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 48.748 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

VICV45

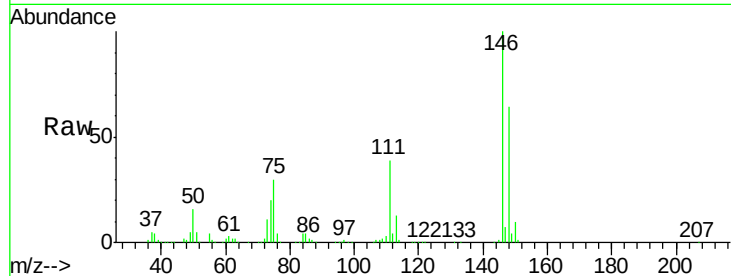
Tgt Ion:146 Resp: 266272

Ion Ratio Lower Upper

146 100

111 39.4 28.4 52.8

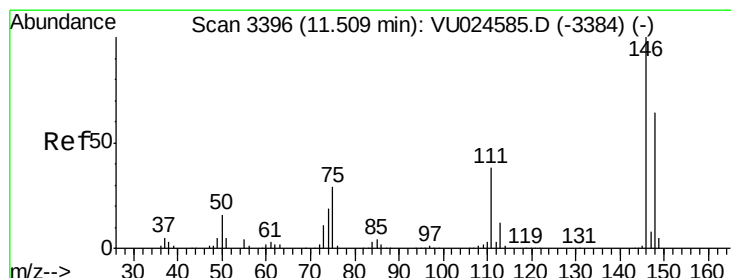
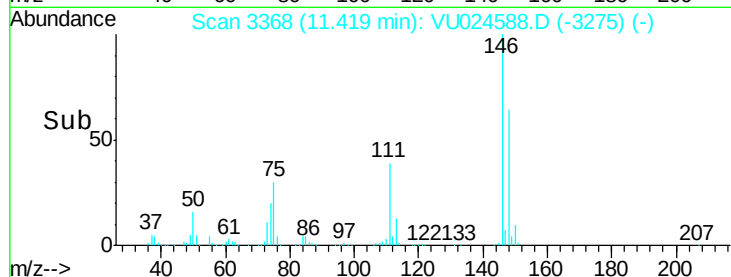
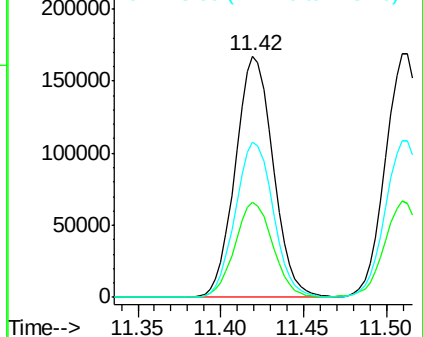
148 64.1 44.3 82.3



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: 49.108 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

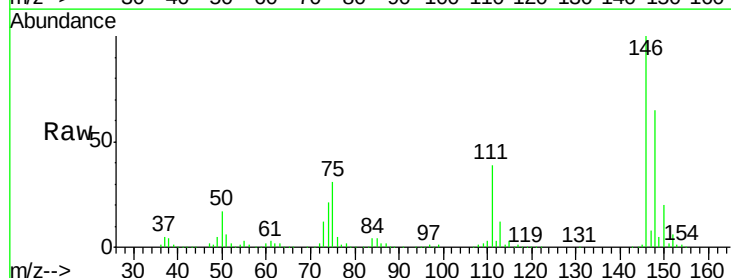
Tgt Ion:146 Resp: 270557

Ion Ratio Lower Upper

146 100

111 39.4 26.5 49.1

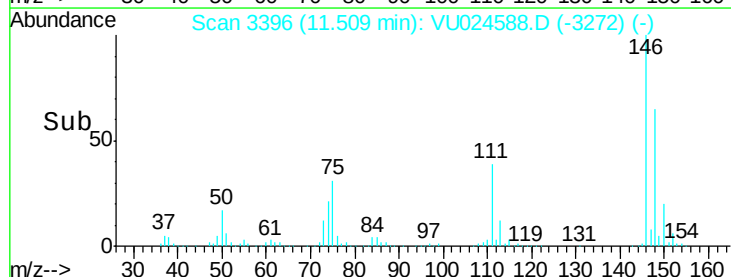
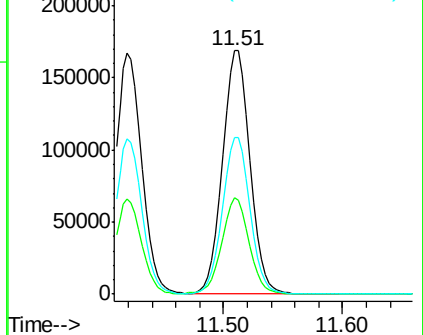
148 64.5 44.6 82.8

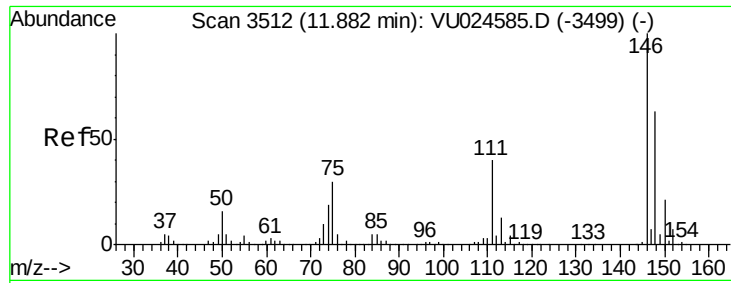


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

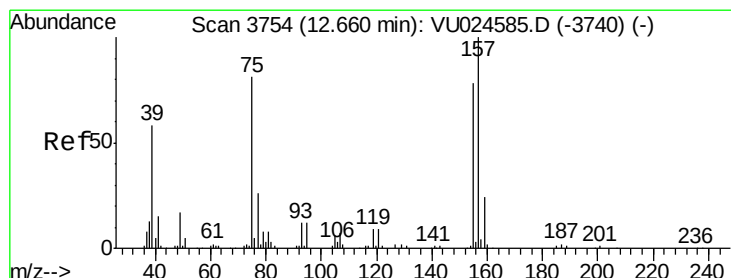
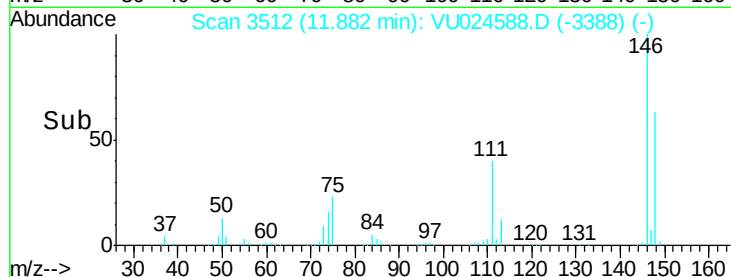
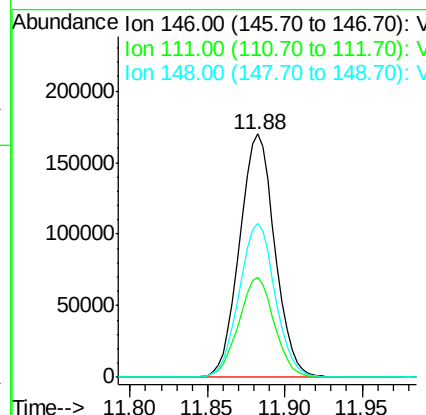
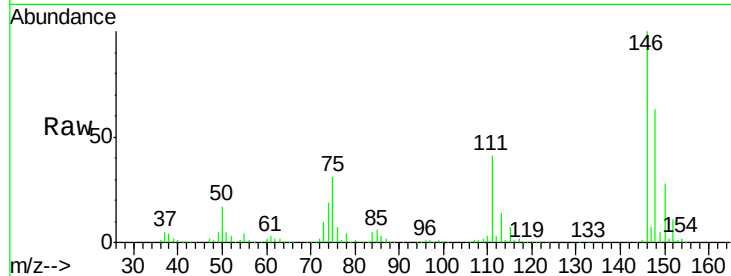




#65
 1,2-Dichlorobenzene
 Concen: 49.321 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

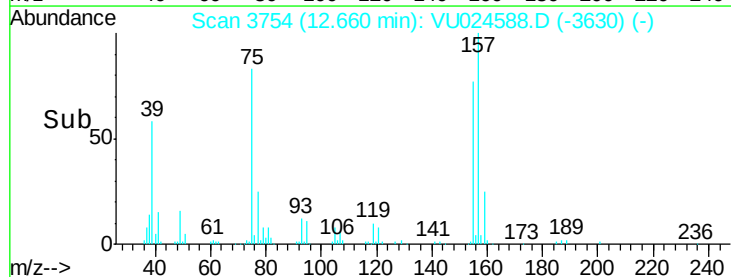
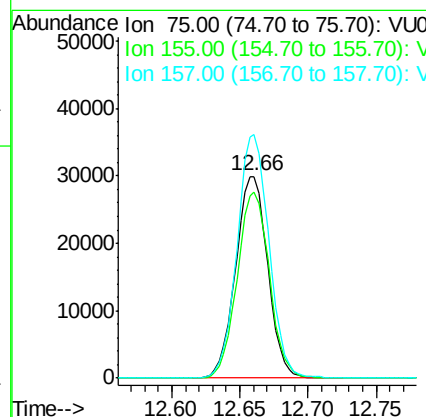
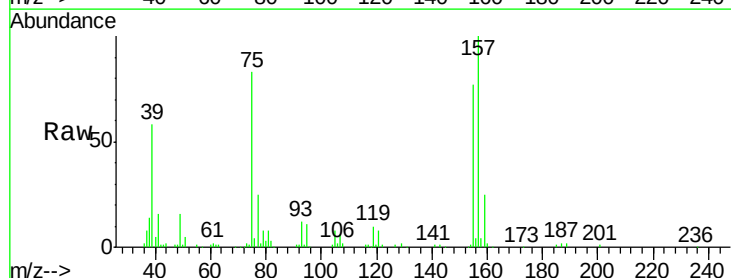
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

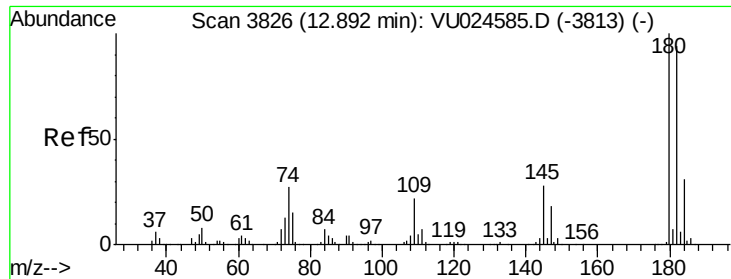
Tgt Ion: 146 Resp: 269605
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.2 48.4
 148 63.1 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.051 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

Tgt Ion: 75 Resp: 48838
 Ion Ratio Lower Upper
 75 100
 155 92.3 76.8 115.2
 157 120.6 98.4 147.6

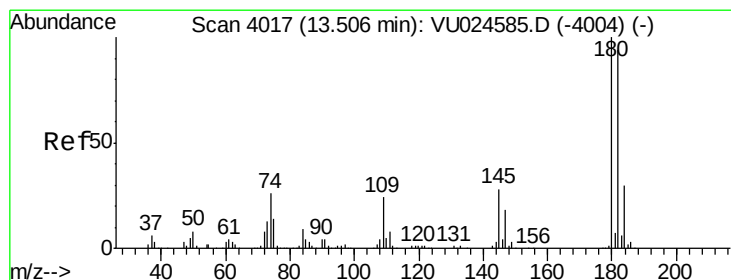
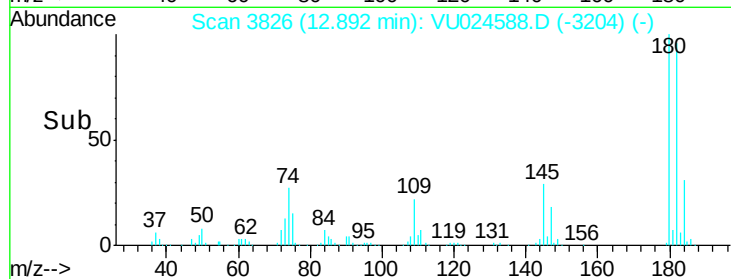
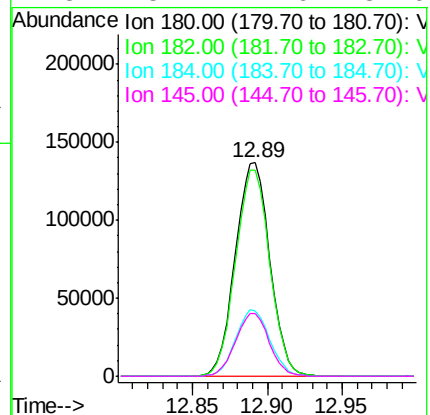
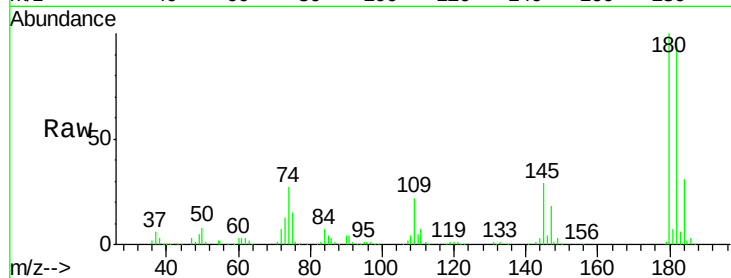




#67
 1,3,5-Trichlorobenzene
 Concen: 50.438 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

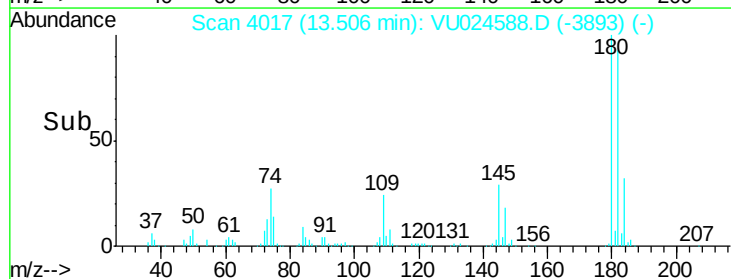
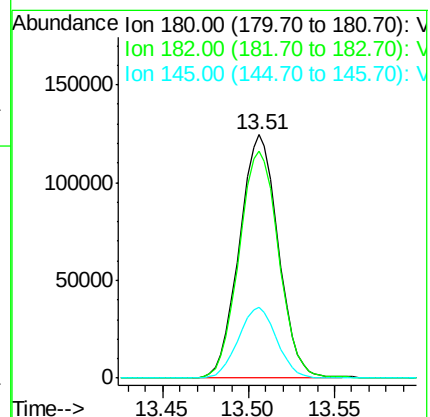
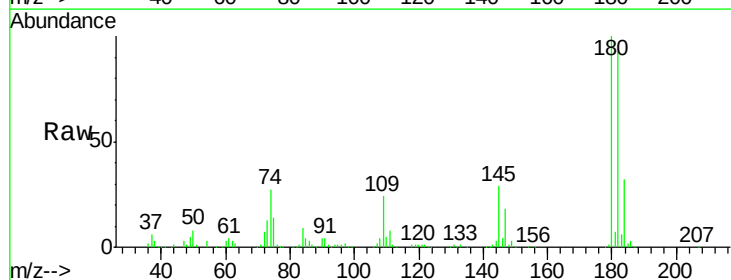
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV45

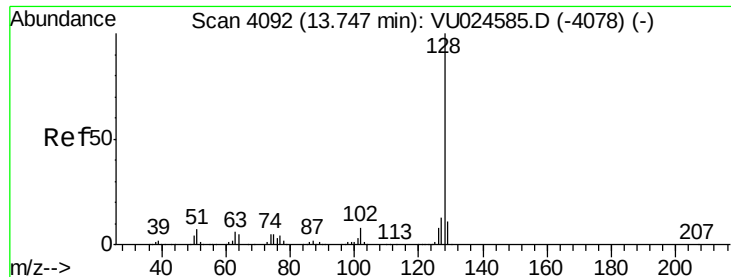
Tgt Ion:	180	Resp:	220275
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
184	30.7	24.7	37.1
145	28.7	22.6	34.0



#68
 1,2,4-trichlorobenzene
 Concen: 53.700 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024588.D
 Acq: 15 Jun 2018 12:45

Tgt Ion:	180	Resp:	195048
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	28.8	23.0	34.6





#69

Naphthalene

Concen: 58.137 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

Instrument :

MSVOA_U

ClientSampleId :

VICV45

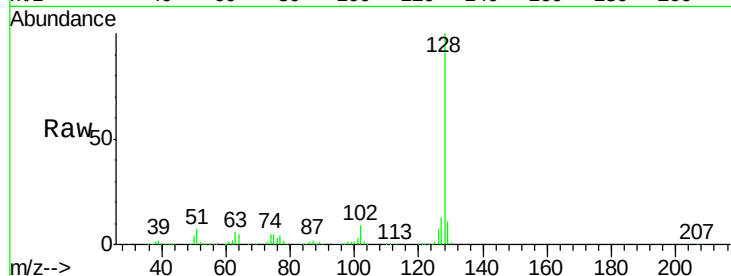
Tgt Ion:128 Resp: 583238

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

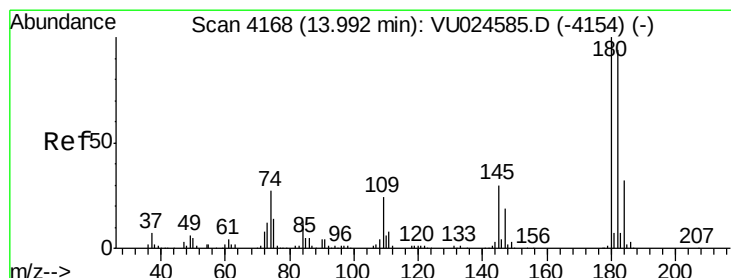
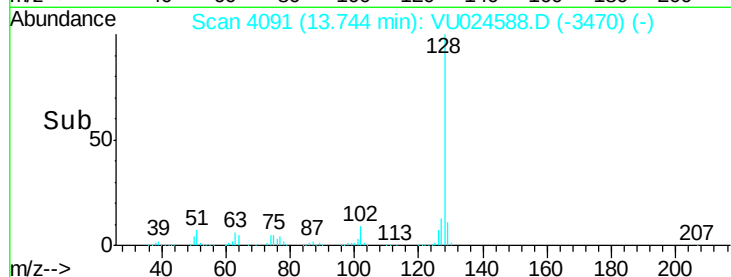
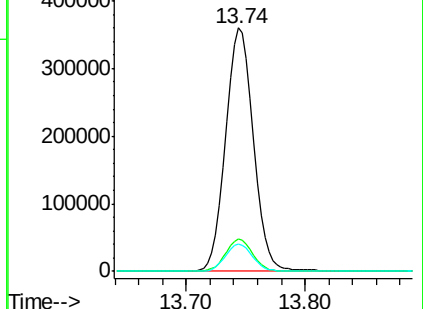
129 11.0 8.7 13.1



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: 54.499 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024588.D

Acq: 15 Jun 2018 12:45

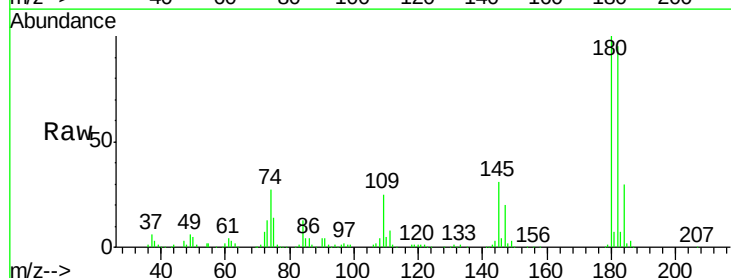
Tgt Ion:180 Resp: 200727

Ion Ratio Lower Upper

180 100

182 95.7 76.4 114.6

145 30.5 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

