

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072118\
 Data File : VU025572.D
 Acq On : 21 Jul 2018 09:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 23 01:03:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	341492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	319729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171032	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88082	45.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.36%
7) Chloroethane-d5	1.68	69	74283	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.38%
11) 1,1-Dichloroethene-d2	2.28	63	189749	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
21) 2-Butanone-d5	4.18	46	140484	93.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.34%
24) Chloroform-d	4.65	84	208174	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.31	65	133035	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.35	84	392702	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
36) 1,2-Dichloropropane-d6	6.33	67	126506	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.76%
41) Toluene-d8	7.57	98	378579	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	7.85	79	64313	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.30%
47) 2-Hexanone-d5	8.31	63	102524	92.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	174123	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	163528	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	161292	47.936	ug/L 99
3) Chloromethane	1.33	50	125621	51.698	ug/L 99
5) Vinyl chloride	1.41	62	128004	48.029	ug/L 99
6) Bromomethane	1.63	94	58579	63.204	ug/L 93
8) Chloroethane	1.70	64	75656	48.209	ug/L 99
9) Trichlorofluoromethane	1.89	101	184522	48.619	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108872	51.226	ug/L 99
12) 1,1-Dichloroethene	2.29	96	95336	49.468	ug/L 98
13) Acetone	2.32	43	179174	101.424	ug/L 98
14) Carbon disulfide	2.48	76	298611	47.584	ug/L 100
15) Methyl Acetate	2.62	43	112956	46.254	ug/L 99
16) Methylene chloride	2.71	84	115454	48.091	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	107574	48.480	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	350667	48.525	ug/L 99
19) 1,1-Dichloroethane	3.45	63	204983	48.564	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	121361	48.454	ug/L 93
22) 2-Butanone	4.26	43	191748	97.499	ug/L 99

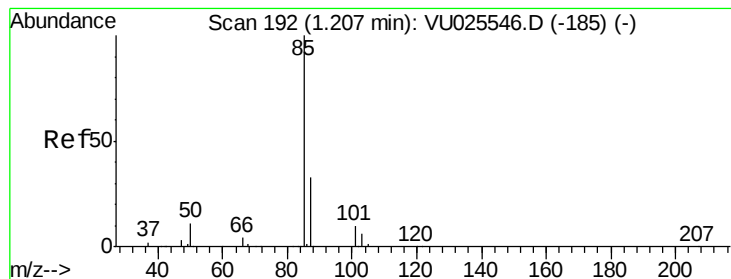
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072118\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63693	48.179	uq/L	96
25) Chloroform	4.68	83	215756	48.577	uq/L	99
27) 1,2-Dichloroethane	5.41	62	175248	48.374	uq/L	99
29) Cyclohexane	5.00	56	181968	49.125	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	196473	49.108	uq/L	100
31) Carbon tetrachloride	5.14	117	179153	48.426	uq/L	99
33) Benzene	5.39	78	449984	48.982	uq/L	100
34) Trichloroethene	6.19	95	118357	48.556	uq/L	99
35) Methylcyclohexane	6.42	83	200623	51.045	uq/L	98
37) 1,2-Dichloropropane	6.44	63	121158	48.262	uq/L	100
38) Bromodichloromethane	6.76	83	162674	49.147	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	193614	49.697	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	315360	95.658	uq/L	100
42) Toluene	7.64	91	490598	49.520	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	183824	50.043	uq/L	98
45) 1,1,2-Trichloroethane	8.07	97	114927	47.727	uq/L	98
46) Tetrachloroethene	8.23	164	105995	50.159	uq/L	98
48) 2-Hexanone	8.36	43	272736	97.905	uq/L	99
49) Dibromochloromethane	8.48	129	141580	50.122	uq/L	100
50) 1,2-Dibromoethane	8.59	107	124509	47.994	uq/L	98
51) Chlorobenzene	9.12	112	328928	49.316	uq/L	99
52) Ethylbenzene	9.25	91	553209	50.592	uq/L	99
53) m,p-Xylene	9.38	106	214197	51.141	uq/L	99
54) o-xylene	9.78	106	211500	49.765	uq/L	97
55) Styrene	9.80	104	356169	51.455	uq/L	99
56) Isopropylbenzene	10.17	105	563893	51.413	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	184101	47.398	uq/L	98
59) 1,2,3-Trichloropropane	10.50	75	138481	46.964	uq/L	100
61) Bromoform	9.96	173	105076	47.497	uq/L	98
62) 1,3-Dichlorobenzene	11.42	146	265851	49.140	uq/L	100
63) 1,4-Dichlorobenzene	11.51	146	273501	49.526	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	276634	48.808	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39882	44.742	uq/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	214361	51.332	uq/L	100
68) 1,2,4-trichlorobenzene	13.51	180	182268	51.933	uq/L	98
69) Naphthalene	13.74	128	520716	49.336	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	187580	50.559	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.936 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

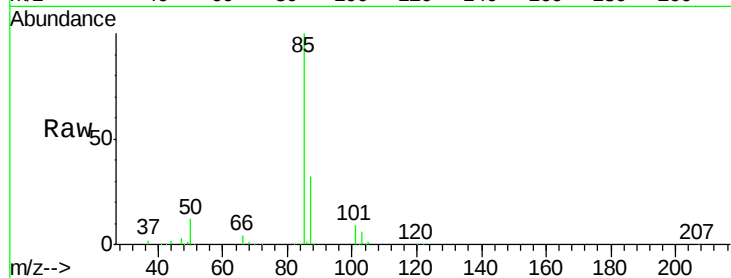
ClientSampleId :

Tot Ion: 85 Resp: 161292

Ion Ratio Lower Upper

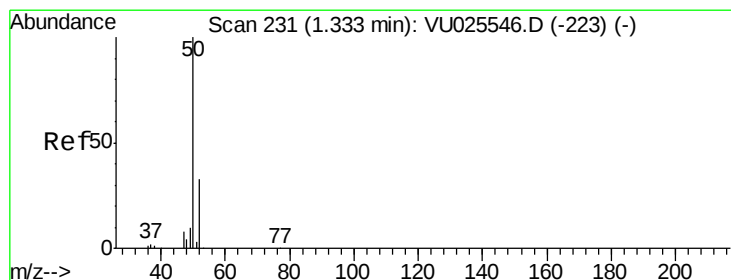
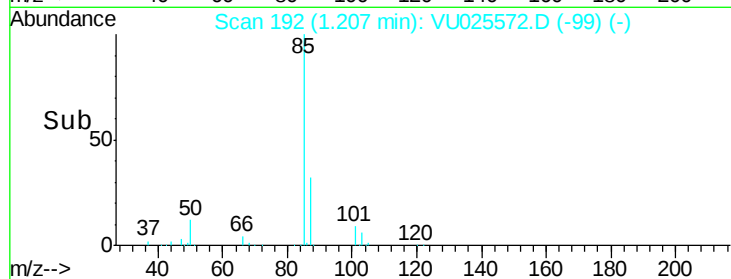
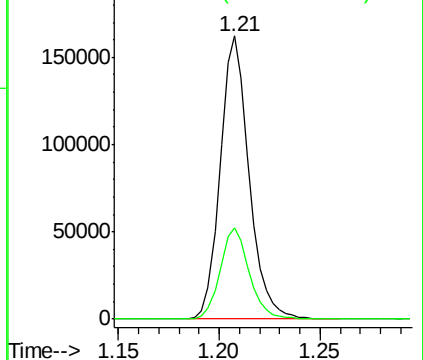
85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.698 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025572.D

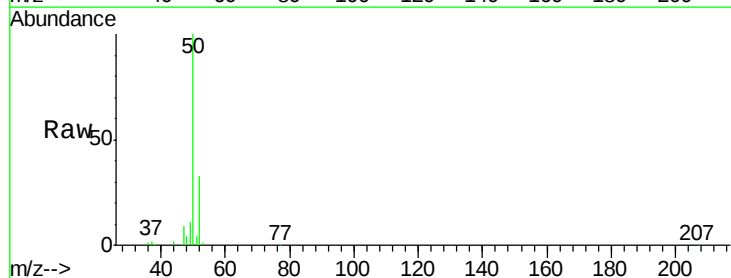
Acq: 21 Jul 2018 09:51

Tgt Ion: 50 Resp: 125621

Ion Ratio Lower Upper

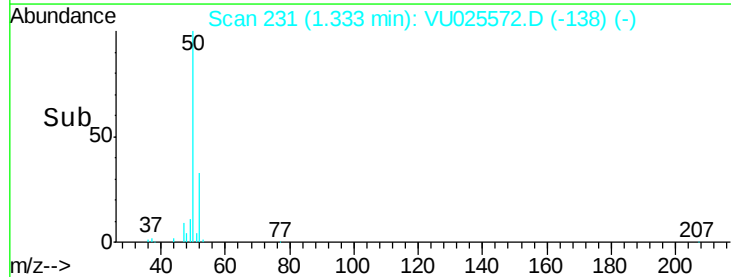
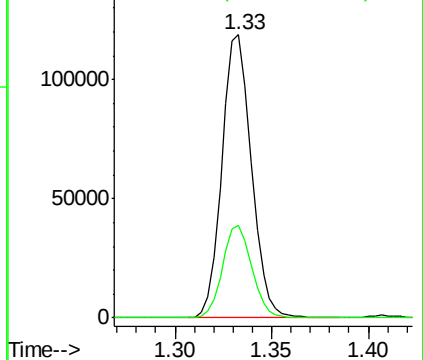
50 100

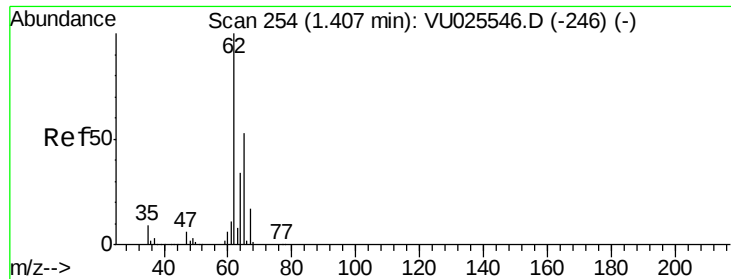
52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.029 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

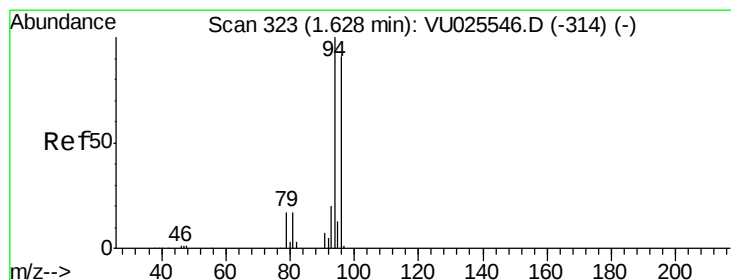
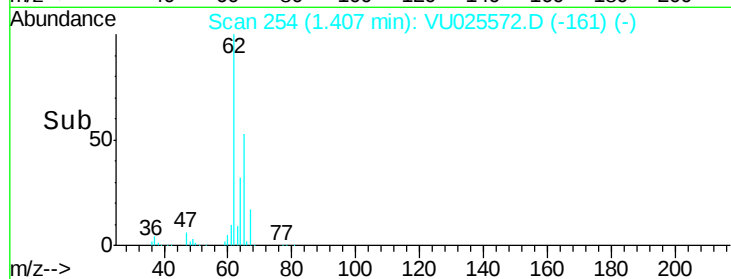
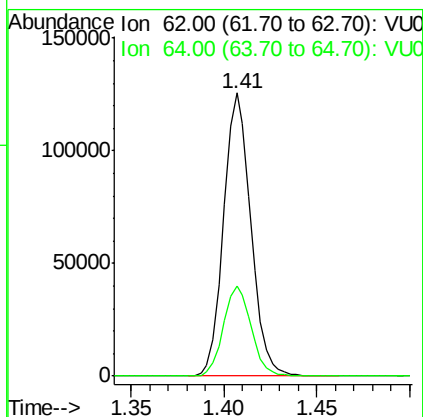
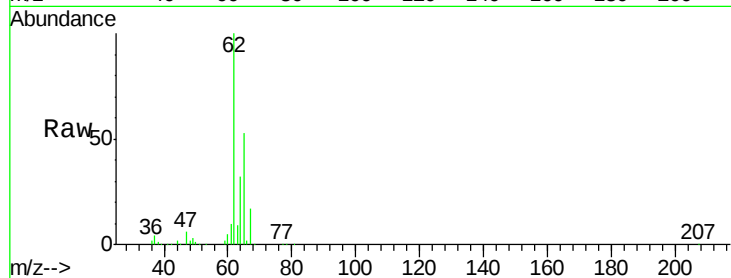
ClientSampleId :

Tot Ion: 62 Resp: 128004

Ion Ratio Lower Upper

62 100

64 32.0 22.7 42.1



#6

Bromomethane

Concen: 63.204 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025572.D

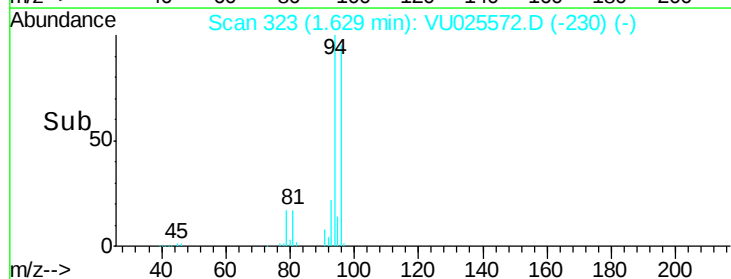
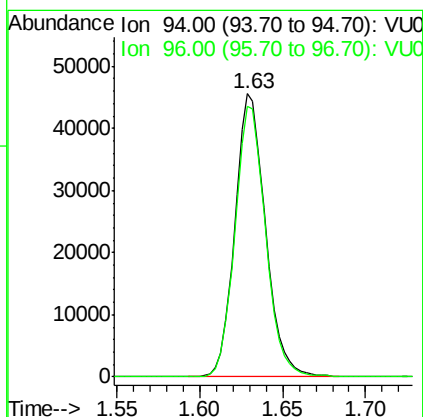
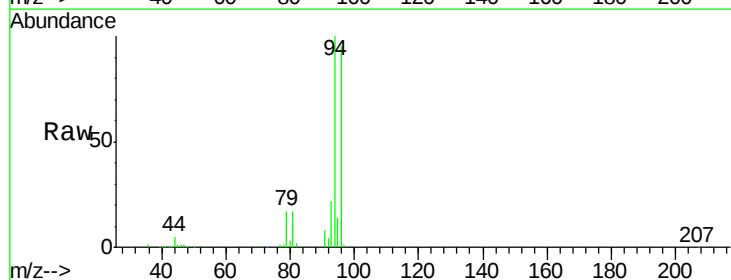
Acq: 21 Jul 2018 09:51

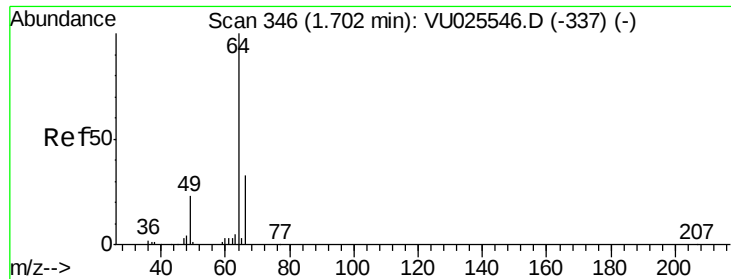
Tgt Ion: 94 Resp: 58579

Ion Ratio Lower Upper

94 100

96 95.4 62.4 115.8





#8

Chloroethane

Concen: 48.209 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

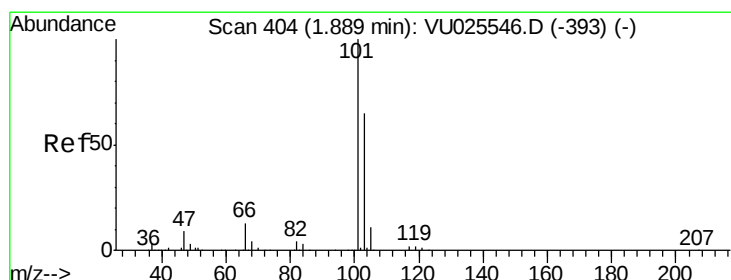
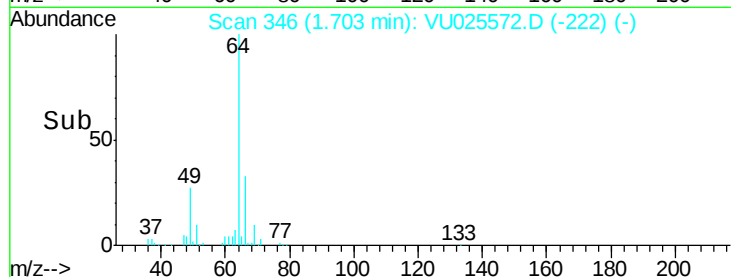
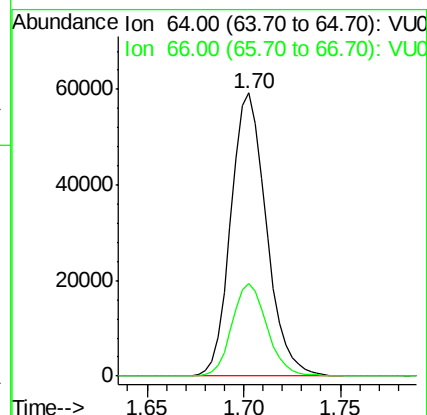
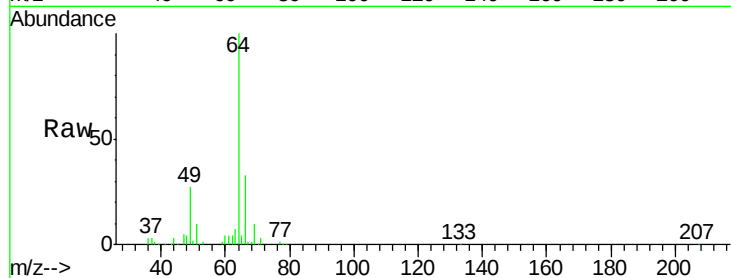
ClientSampleId :

Tot Ion: 64 Resp: 75656

Ion Ratio Lower Upper

64 100

66 32.9 23.5 43.7



#9

Trichlorofluoromethane

Concen: 48.619 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025572.D

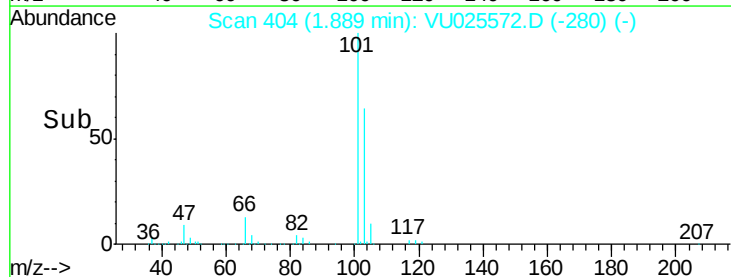
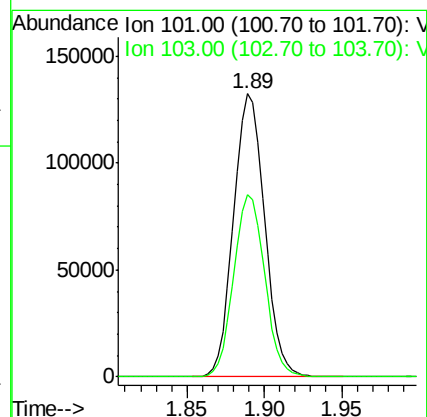
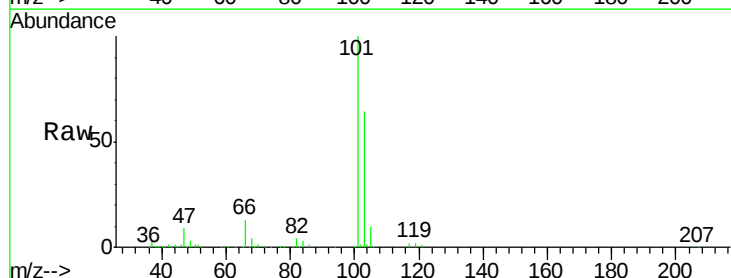
Acq: 21 Jul 2018 09:51

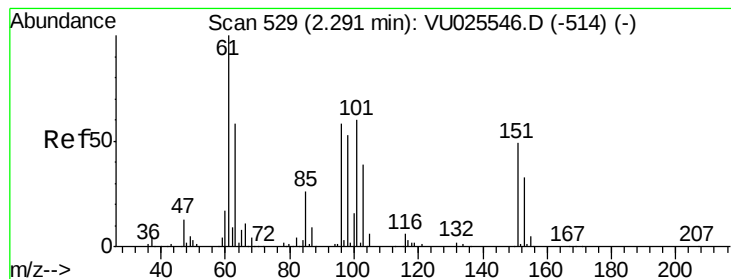
Tgt Ion:101 Resp: 184522

Ion Ratio Lower Upper

101 100

103 63.9 52.0 78.0





#10

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

Concen: 51.226 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

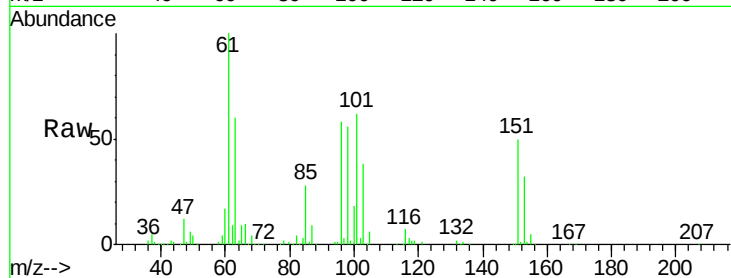
Tot Ion:101 Resp: 108872

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

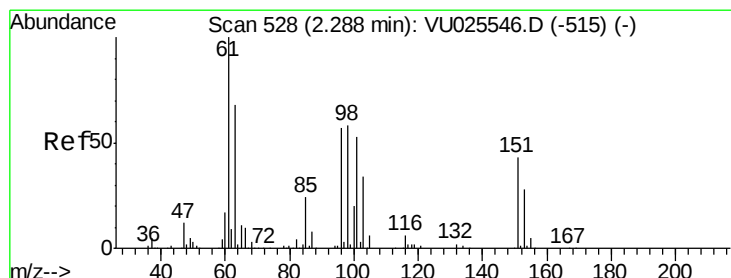
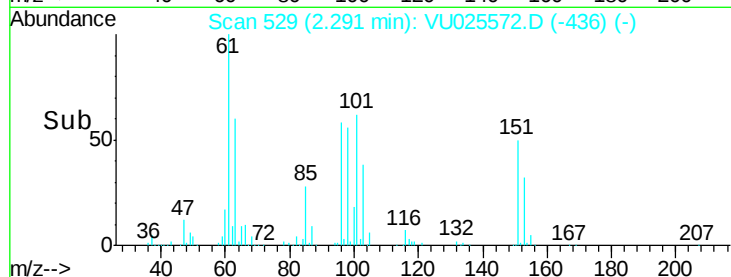
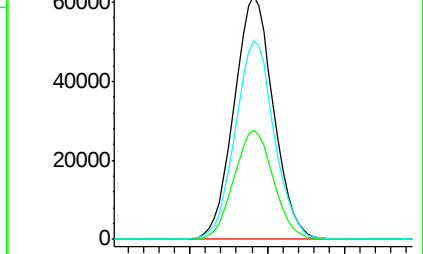
151 81.1 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VU025572.D (-436) (-)

Ion 85.00 (84.70 to 85.70): VU025572.D (-436) (-)

Ion 151.00 (150.70 to 151.70): VU025572.D (-436) (-)



#12

1,1-Dichloroethene

Concen: 49.468 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

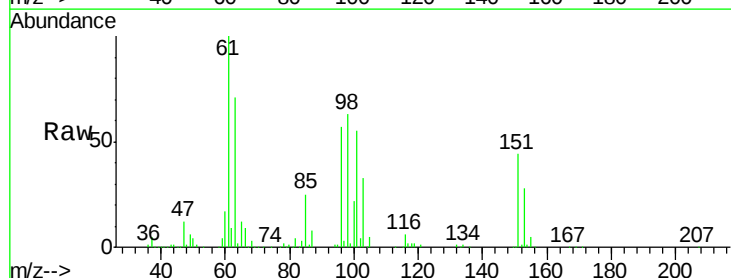
Tgt Ion: 96 Resp: 95336

Ion Ratio Lower Upper

96 100

61 175.6 122.5 227.5

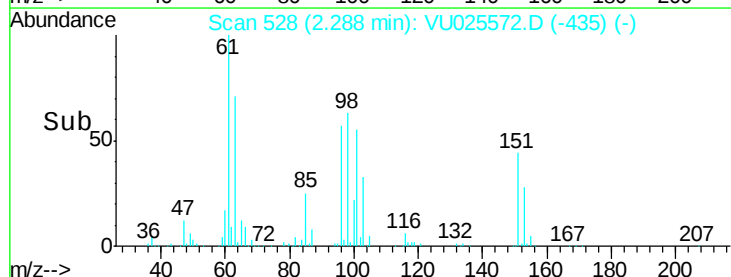
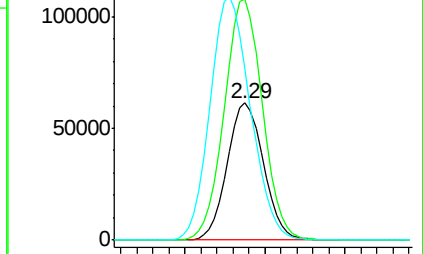
63 125.3 90.9 168.9

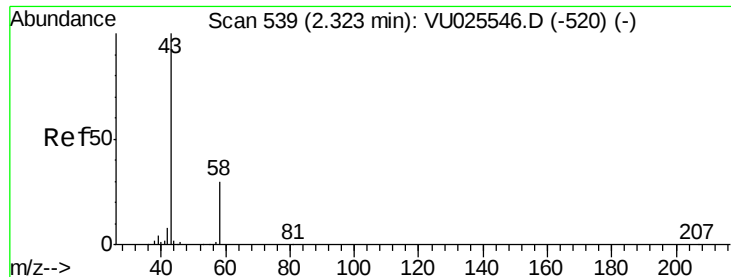


Abundance Ion 96.00 (95.70 to 96.70): VU025572.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VU025572.D (-435) (-)

Ion 63.00 (62.70 to 63.70): VU025572.D (-435) (-)





#13

Acetone

Concen: 101.424 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

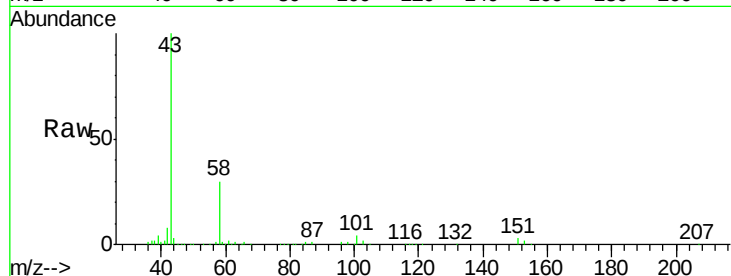
ClientSampleId :

Tot Ion: 43 Resp: 179174

Ion Ratio Lower Upper

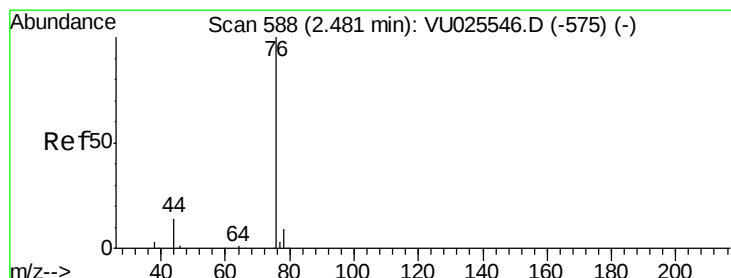
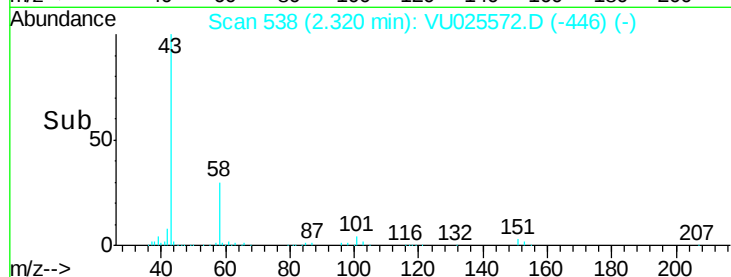
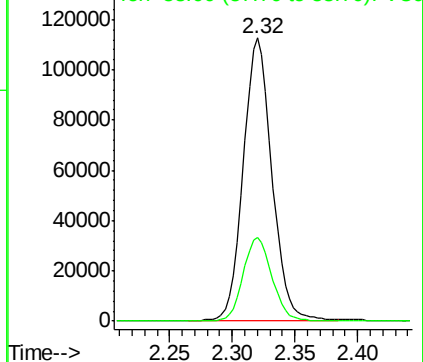
43 100

58 29.6 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 47.584 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025572.D

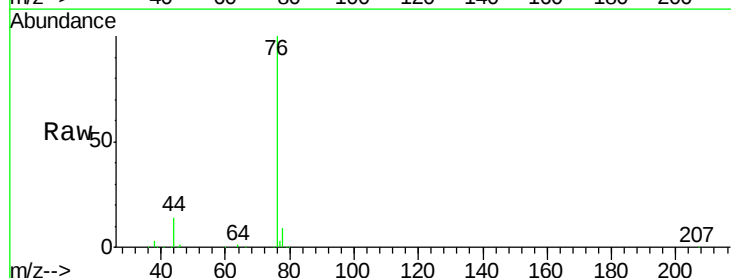
Acq: 21 Jul 2018 09:51

Tgt Ion: 76 Resp: 298611

Ion Ratio Lower Upper

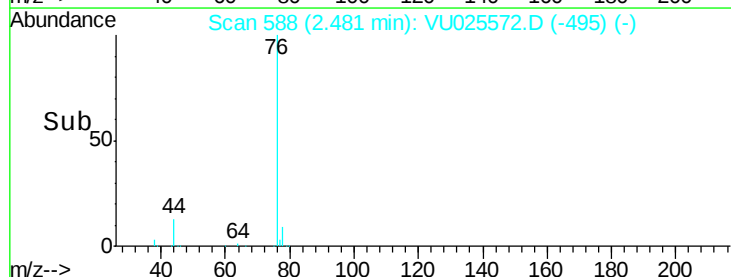
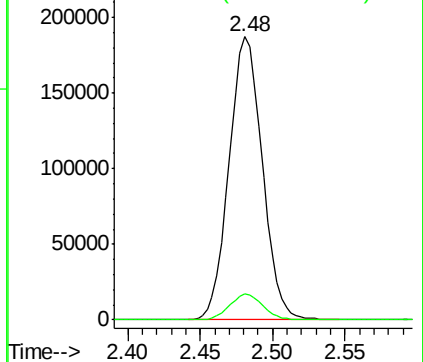
76 100

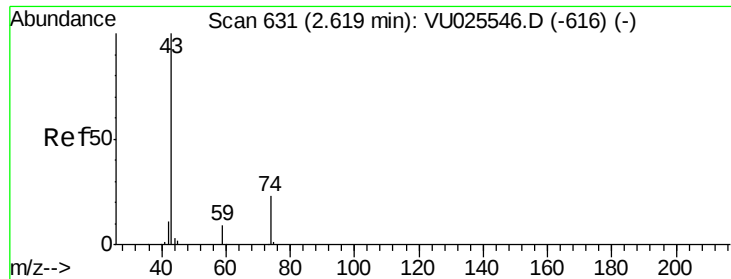
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

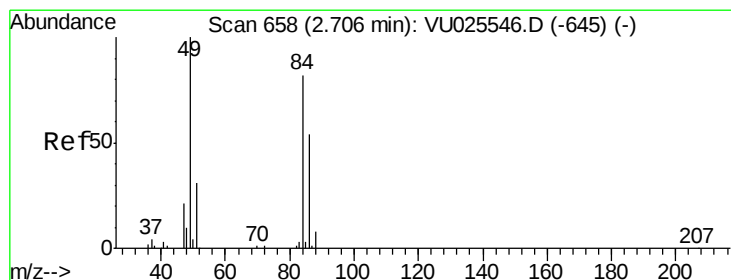
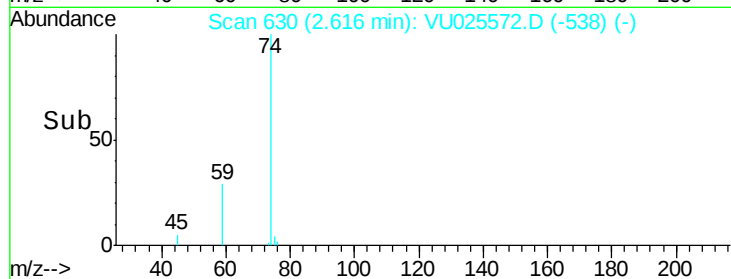
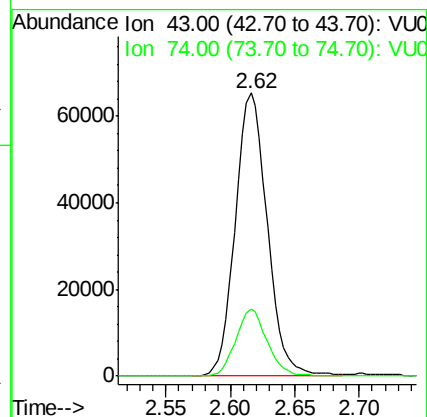
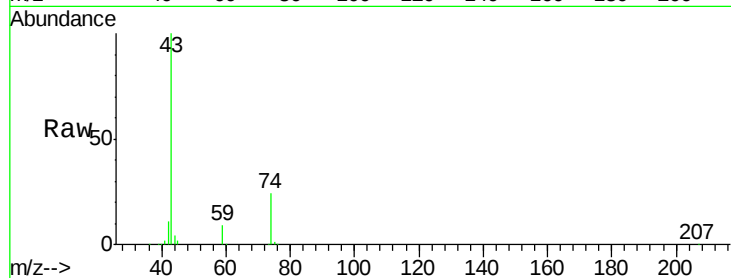




#15
Methvl Acetate
Concen: 46.254 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

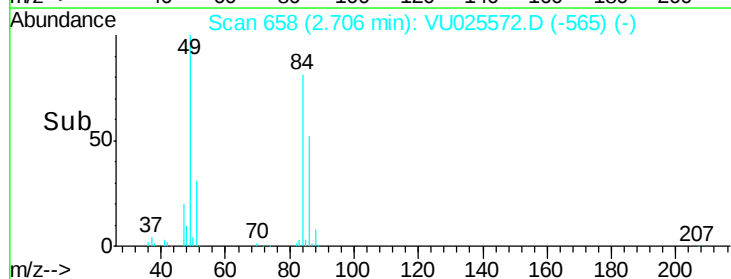
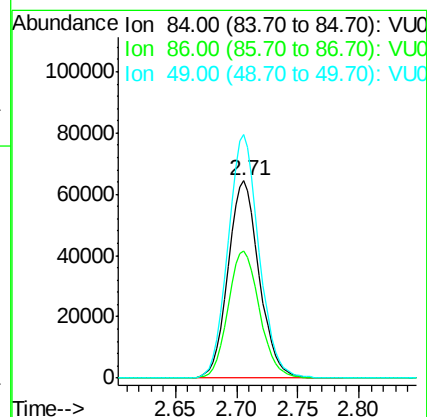
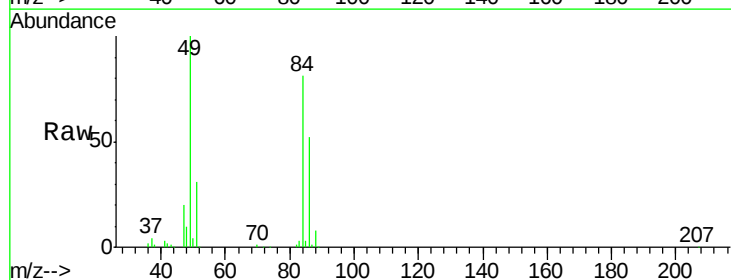
Instrument :
MSVOA_U
ClientSampleId :

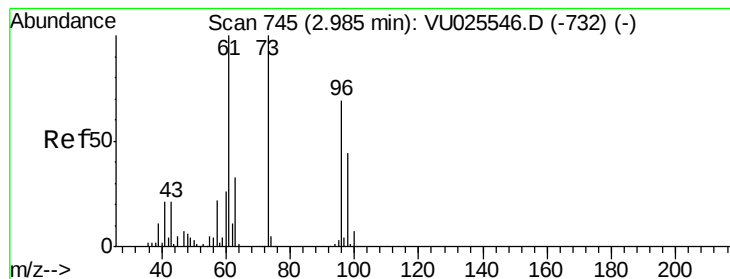
Tot Ion: 43 Resp: 112956
Ion Ratio Lower Upper
43 100
74 23.2 18.3 27.5



#16
Methylene chloride
Concen: 48.091 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Tgt Ion: 84 Resp: 115454
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.6
49 123.4 87.0 161.6





#17

trans-1,2-Dichloroethene

Concen: 48.480 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :
MSVOA_U
ClientSampleId :

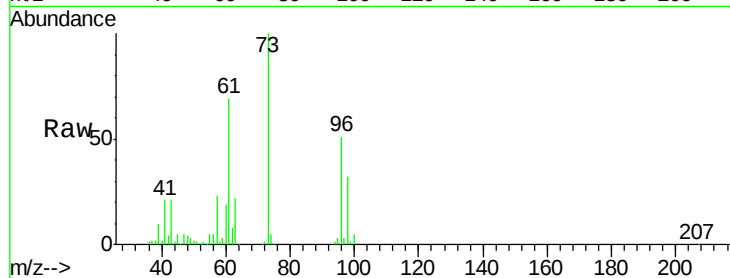
Tot Ion: 96 Resp: 107574

Ion Ratio Lower Upper

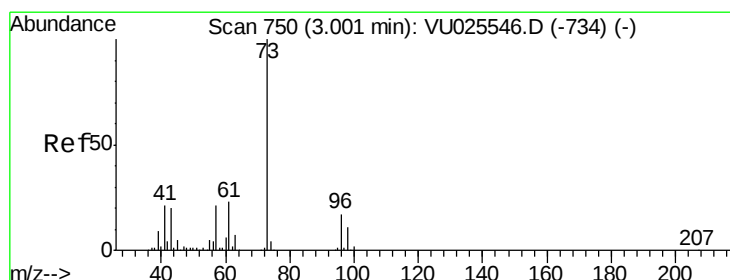
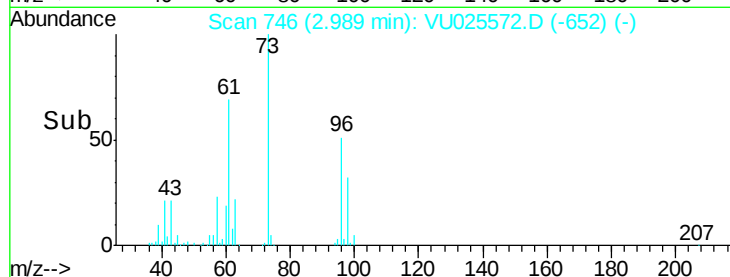
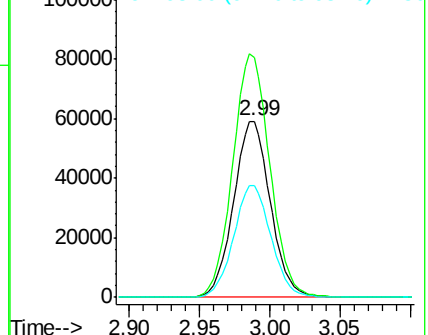
96 100

61 136.4 100.0 185.8

98 63.4 44.7 83.1



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: 48.525 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

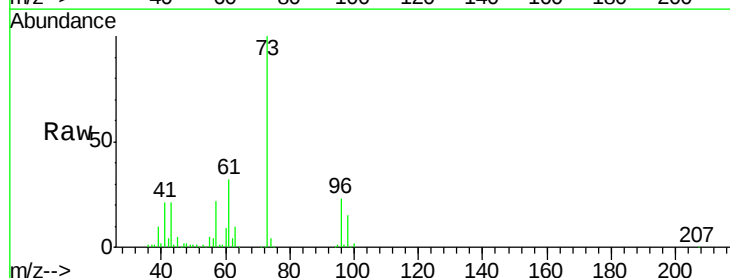
Tgt Ion: 73 Resp: 350667

Ion Ratio Lower Upper

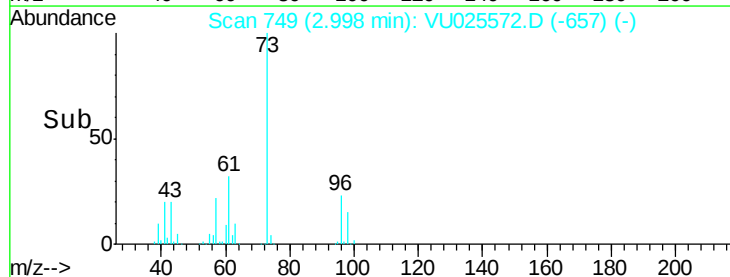
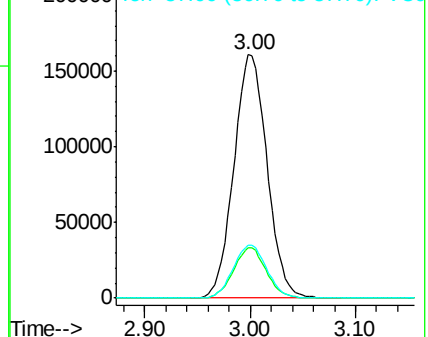
73 100

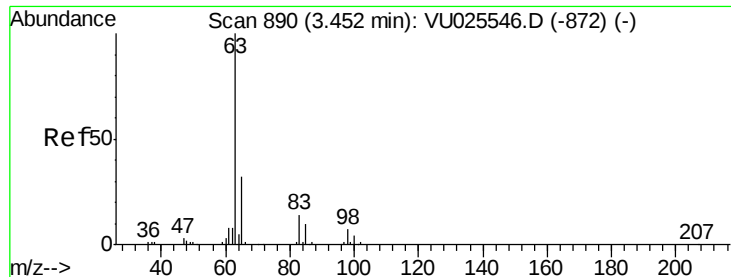
43 20.5 16.2 24.2

57 22.0 17.1 25.7



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

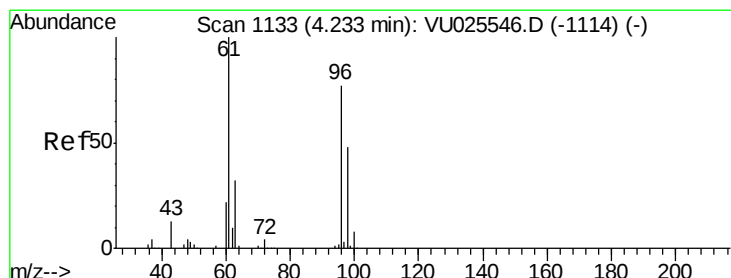
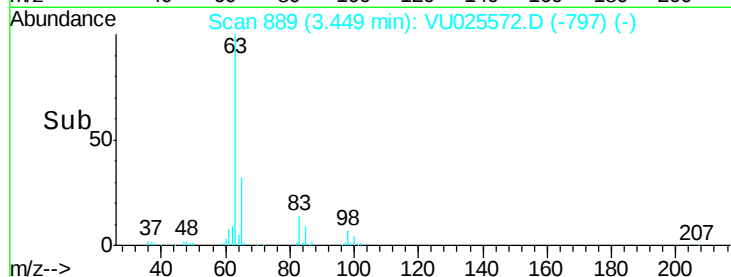
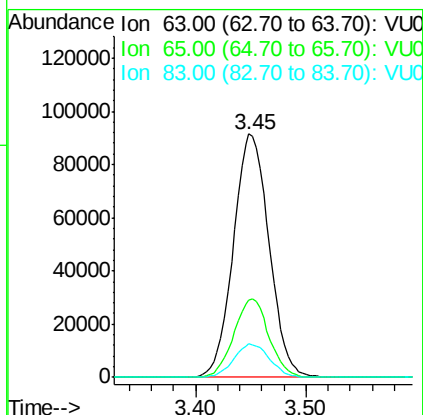
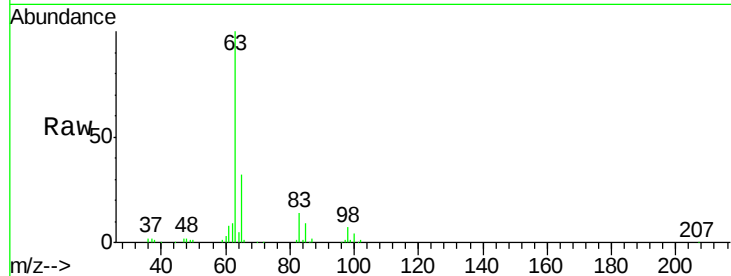




#19
 1,1-Dichloroethane
 Concen: 48.564 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

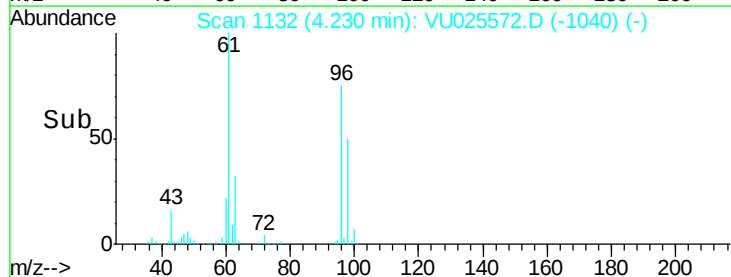
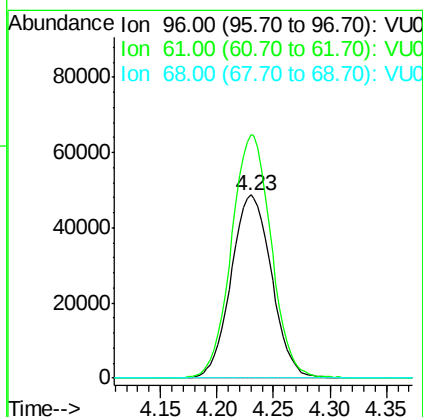
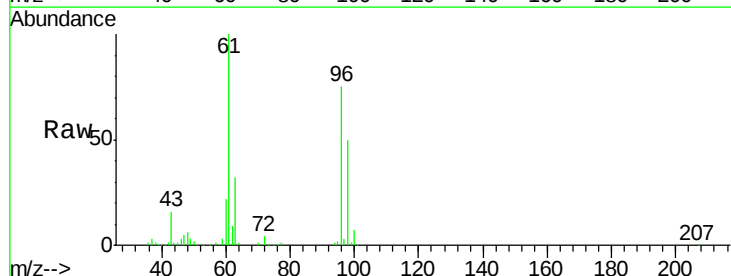
Instrument :
 MSVOA_U
 ClientSampleId :

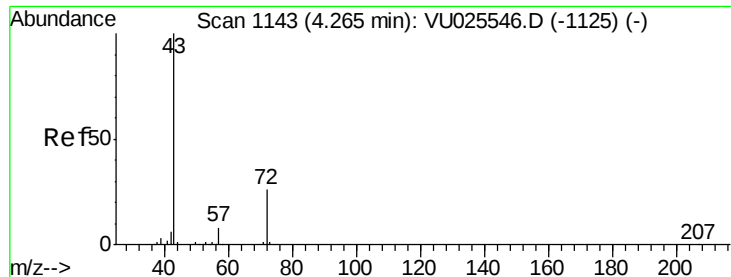
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.0	41.0
83	13.6	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.454 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.1	87.4	162.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 97.499 ug/L

RT: 4.26 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

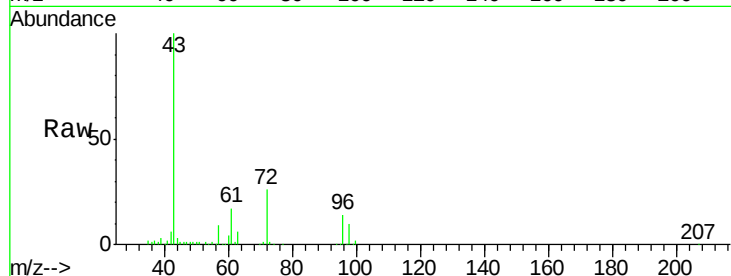
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 191748

Ion Ratio Lower Upper

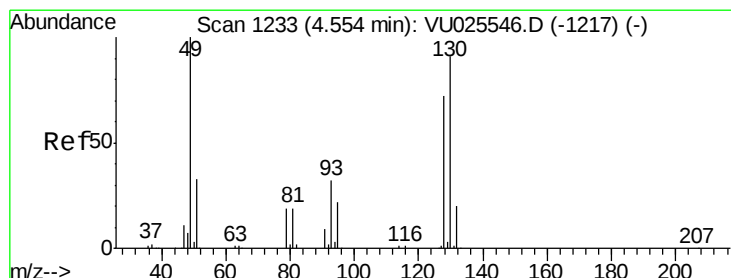
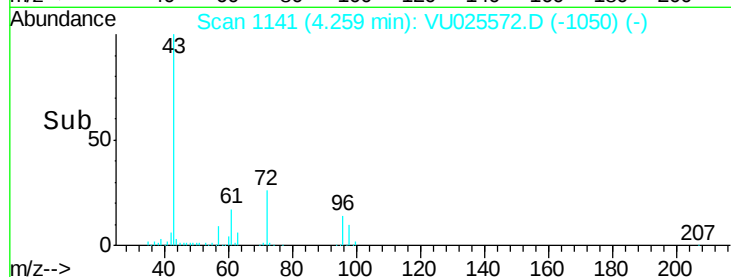
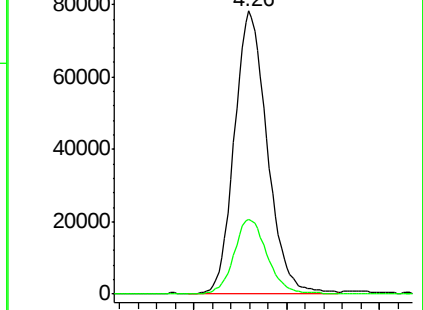
43 100

72 26.7 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VU025572.D (-1050) (-)

Ion 72.00 (71.70 to 72.70): VU025572.D (-1050) (-)



#23

Bromochloromethane

Concen: 48.179 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Tgt Ion: 128 Resp: 63693

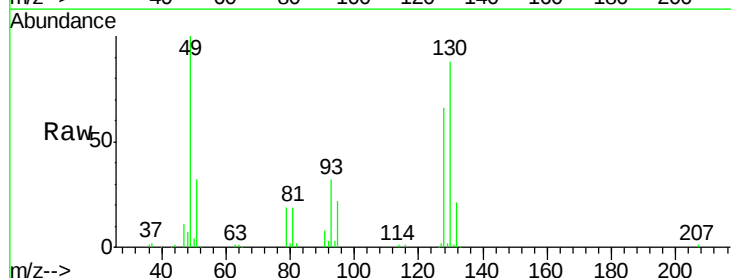
Ion Ratio Lower Upper

128 100

49 151.1 103.3 191.8

130 133.5 90.4 167.8

51 48.4 35.5 53.3

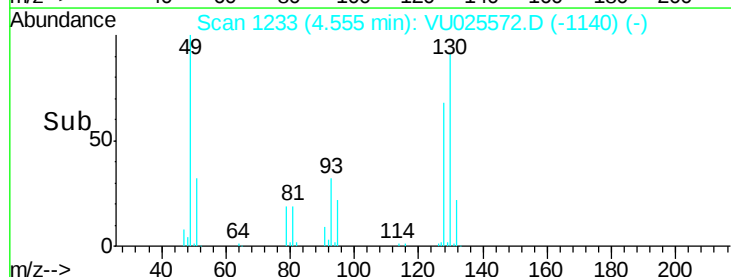
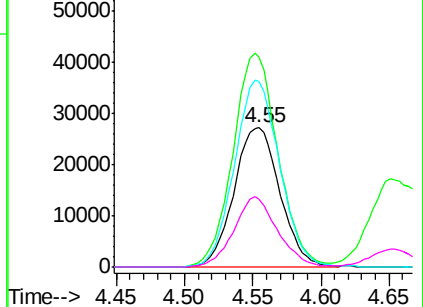


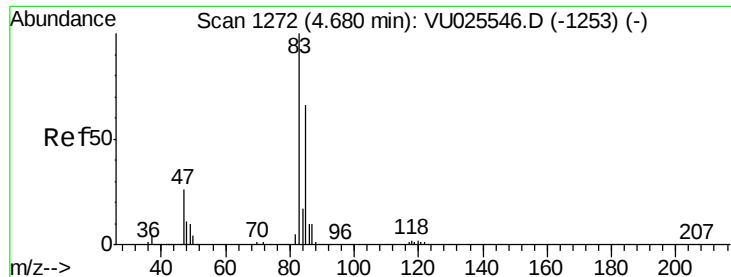
Abundance Ion 128.00 (127.70 to 128.70): VU025572.D (-1140) (-)

Ion 49.00 (48.70 to 49.70): VU025572.D (-1140) (-)

Ion 130.00 (129.70 to 130.70): VU025572.D (-1140) (-)

Ion 51.00 (50.70 to 51.70): VU025572.D (-1140) (-)





#25

Chloroform

Concen: 48.577 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

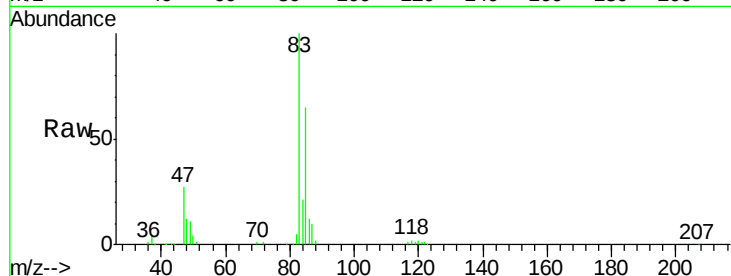
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 215756

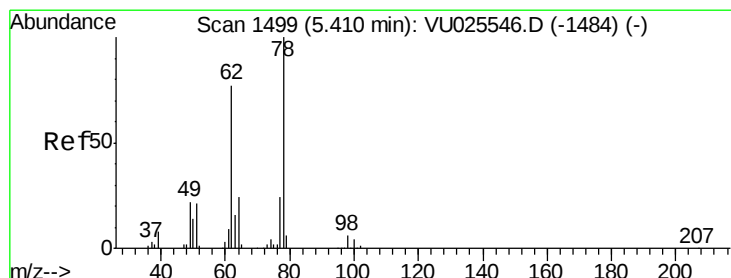
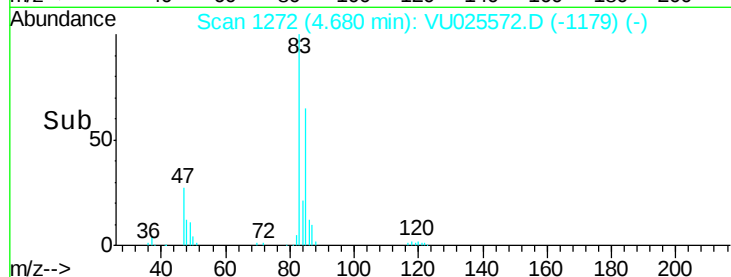
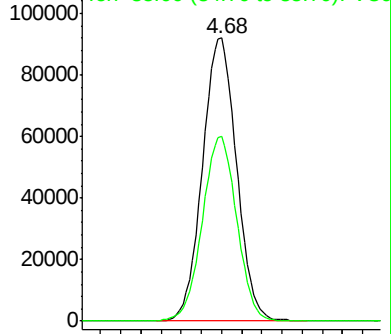
Ion Ratio Lower Upper

83 100

85 65.1 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 48.374 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025572.D

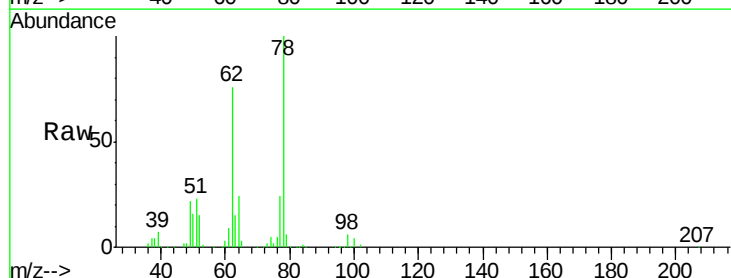
Acq: 21 Jul 2018 09:51

Tgt Ion: 62 Resp: 175248

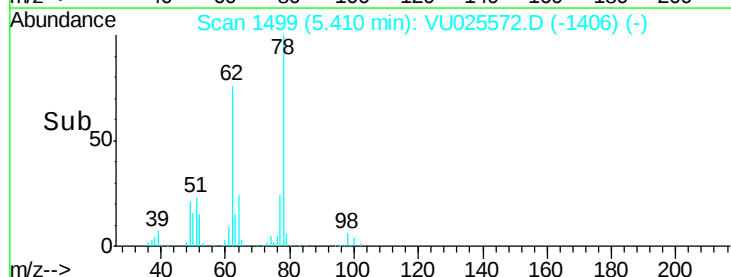
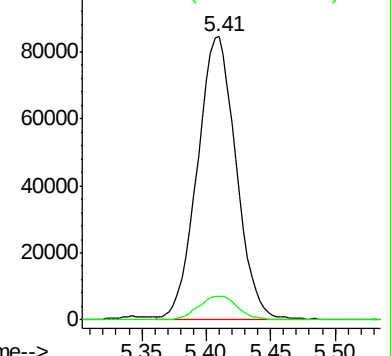
Ion Ratio Lower Upper

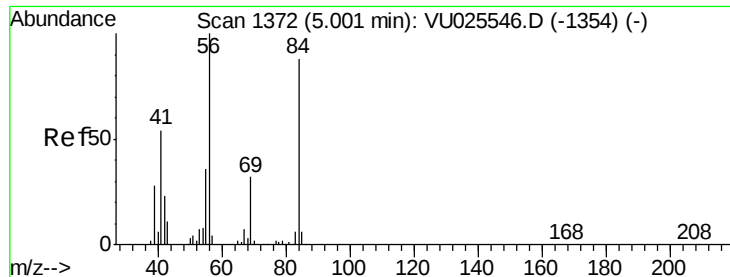
62 100

98 8.5 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

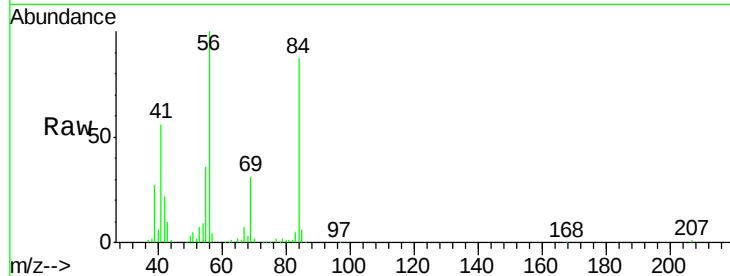




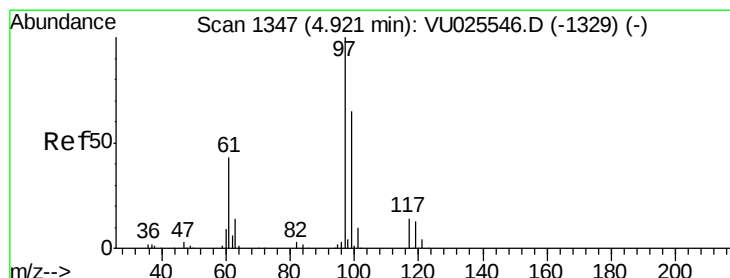
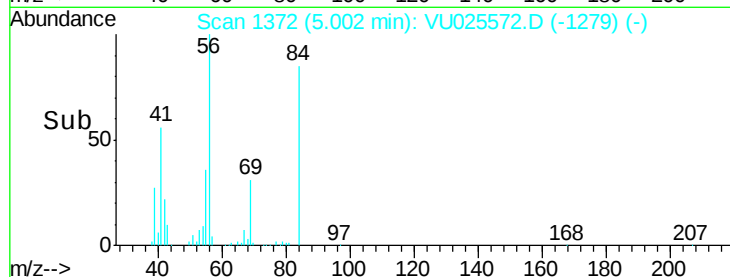
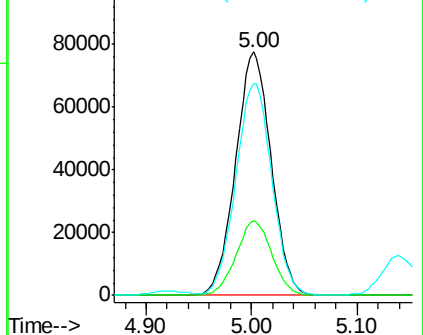
#29
Cyclohexane
Concen: 49.125 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 181968
Ion Ratio Lower Upper
56 100
69 30.7 24.8 37.2
84 88.8 70.6 106.0

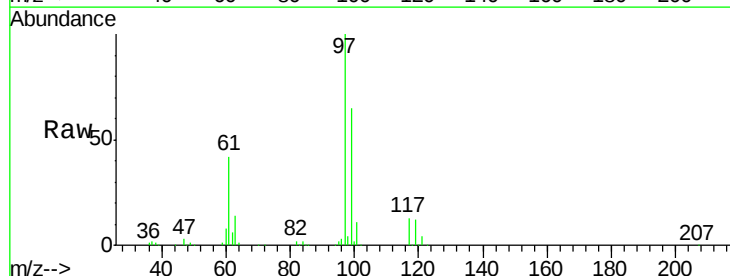


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

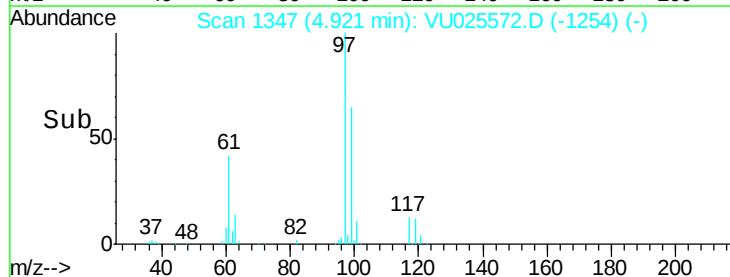
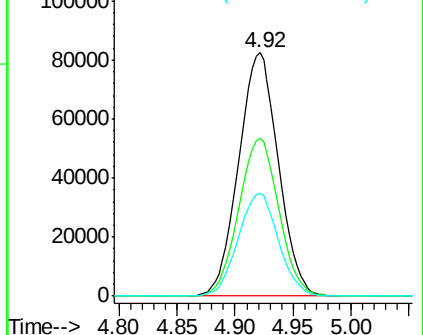


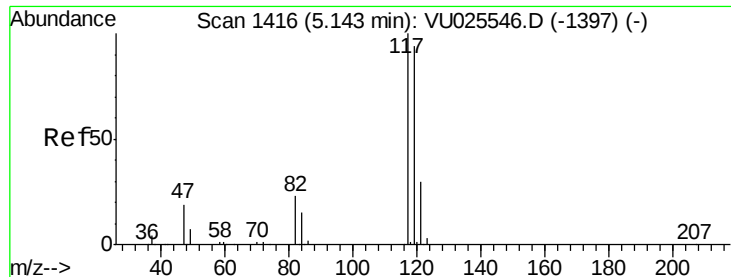
#30
1,1,1-Trichloroethane
Concen: 49.108 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Tgt Ion: 97 Resp: 196473
Ion Ratio Lower Upper
97 100
99 65.6 52.4 78.6
61 42.8 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 48.426 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

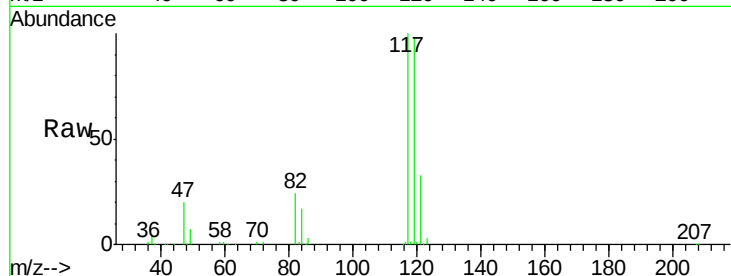
ClientSampleId :

Tot Ion:117 Resp: 179153

Ion Ratio Lower Upper

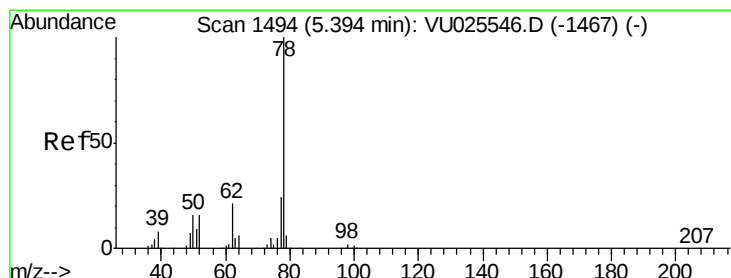
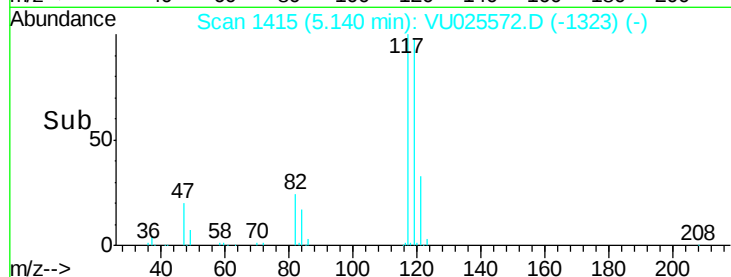
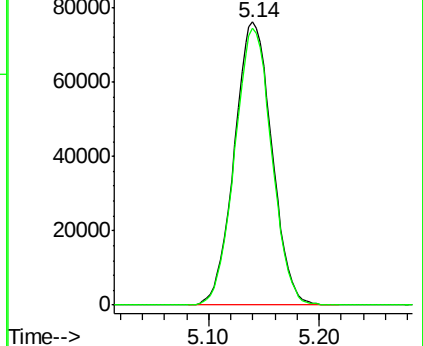
117 100

119 96.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.982 ug/L

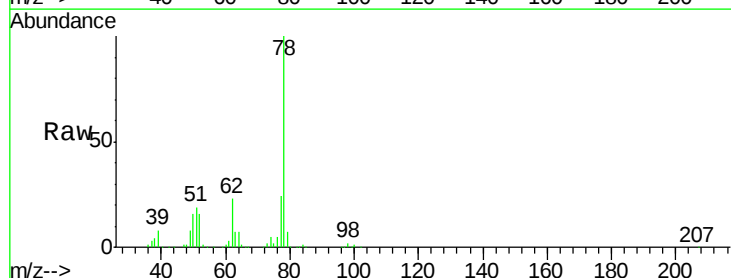
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

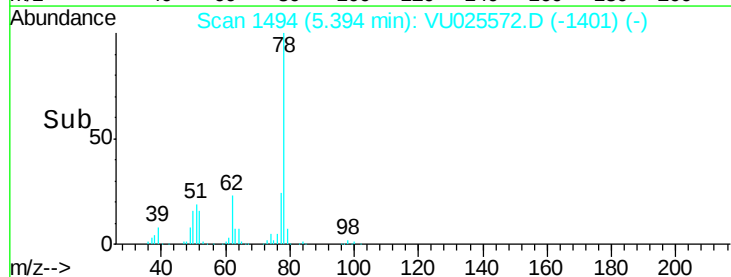
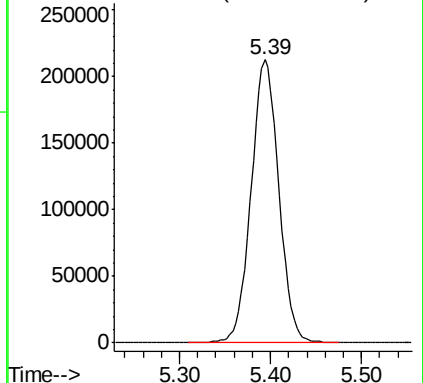
Lab File: VU025572.D

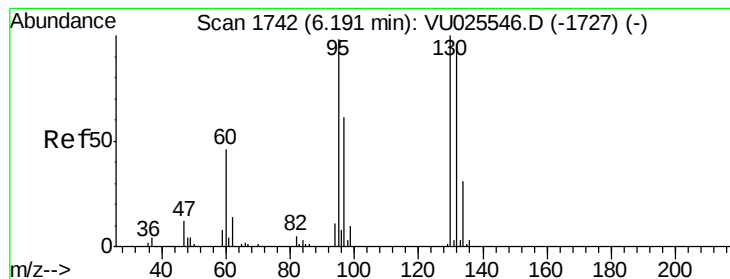
Acq: 21 Jul 2018 09:51

Tgt Ion: 78 Resp: 449984



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.556 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

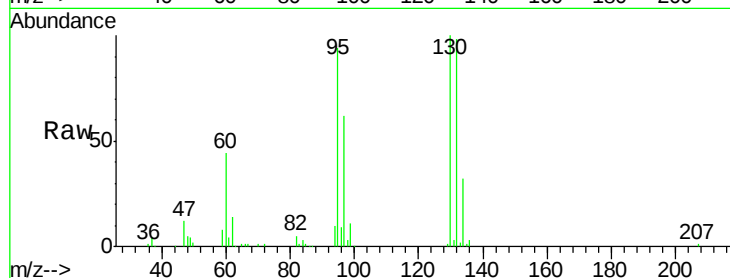
Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

ClientSampled :



Tot Ion: 95 Resp: 118357

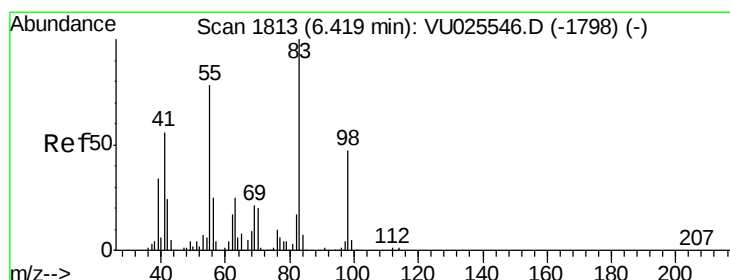
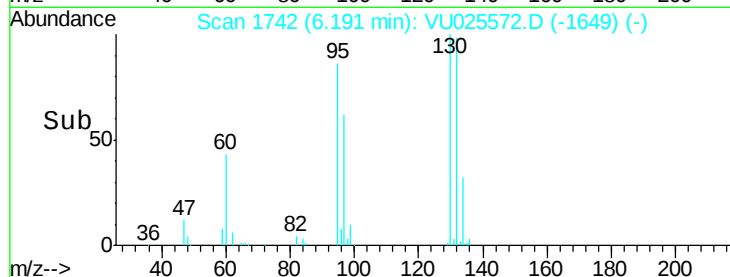
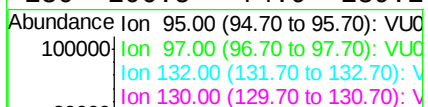
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 104.0 72.2 134.2

130 106.5 74.9 139.1



#35

Methylcyclohexane

Concen: 51.045 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

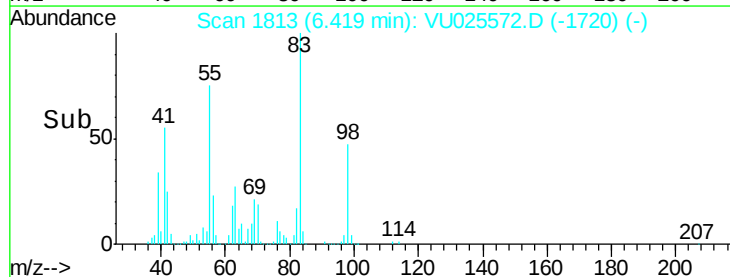
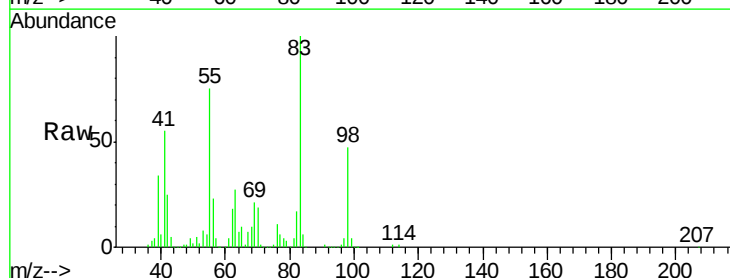
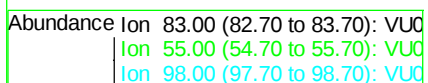
Tgt Ion: 83 Resp: 200623

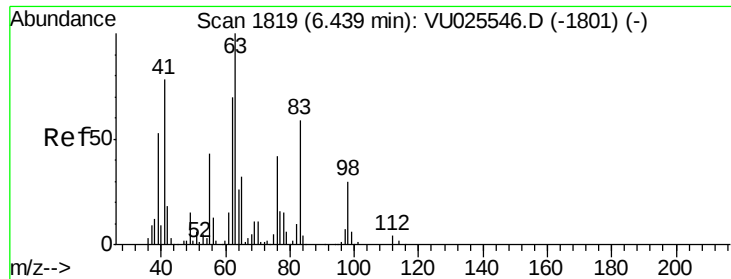
Ion Ratio Lower Upper

83 100

55 75.2 61.1 91.7

98 46.7 38.6 57.8

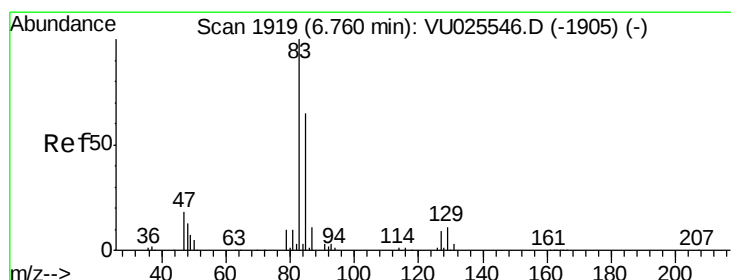
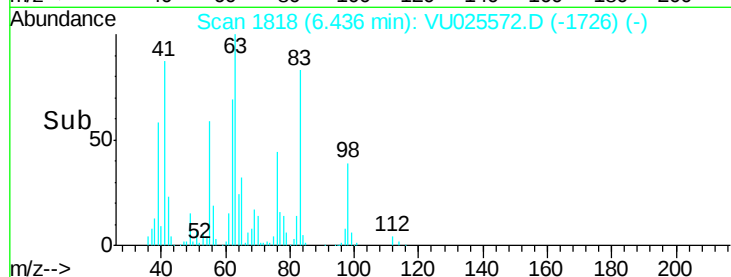
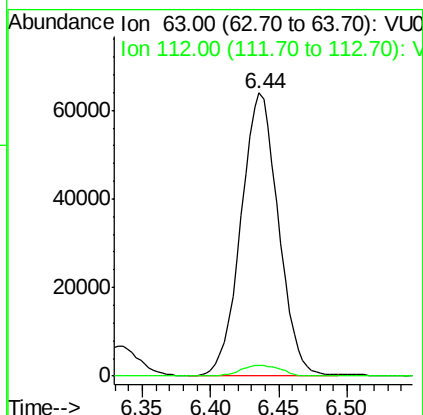
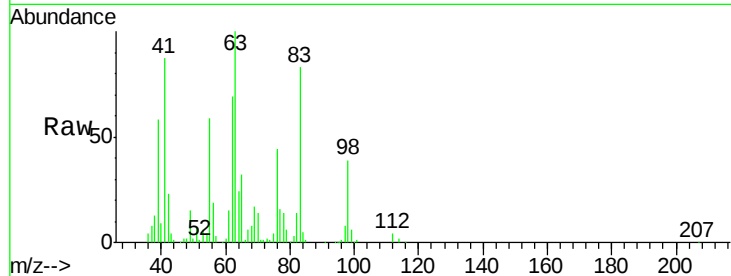




#37
 1,2-Dichloropropane
 Concen: 48.262 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

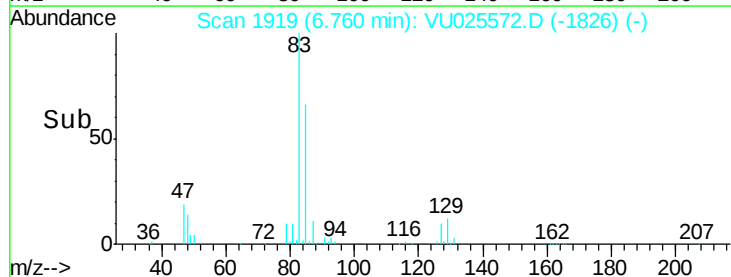
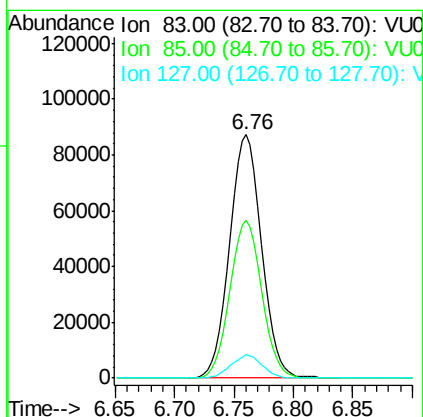
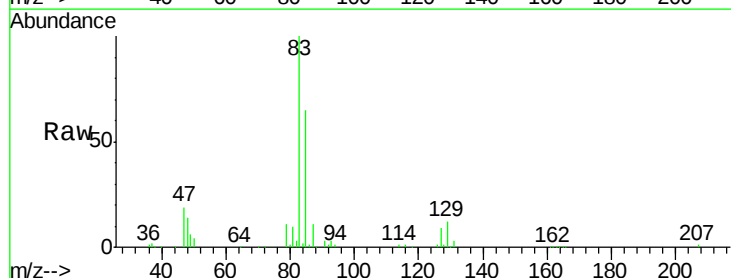
Instrument :
 MSVOA_U
 ClientSampleId :

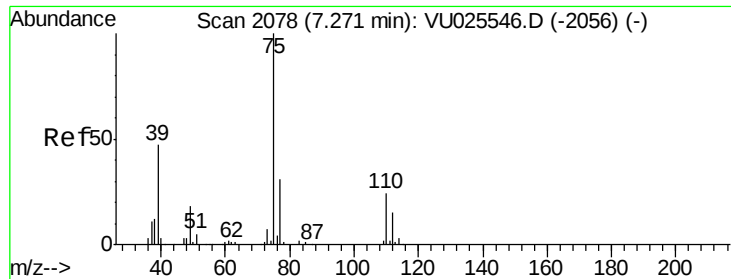
Tot Ion: 63 Resp: 121158
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 49.147 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Tgt Ion: 83 Resp: 162674
 Ion Ratio Lower Upper
 83 100
 85 64.7 46.7 86.7
 127 9.4 8.0 12.0

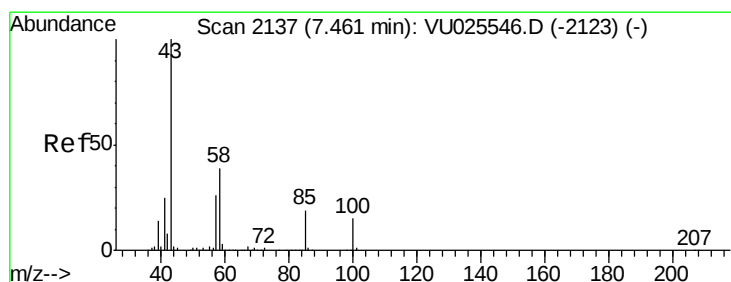
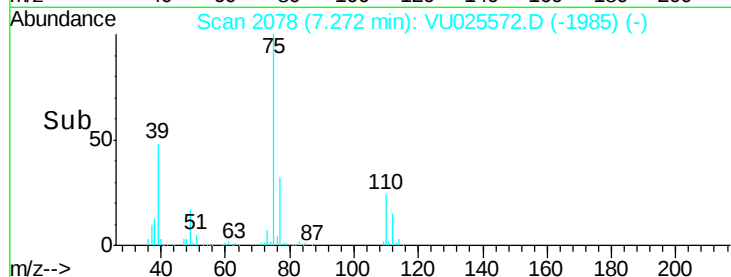
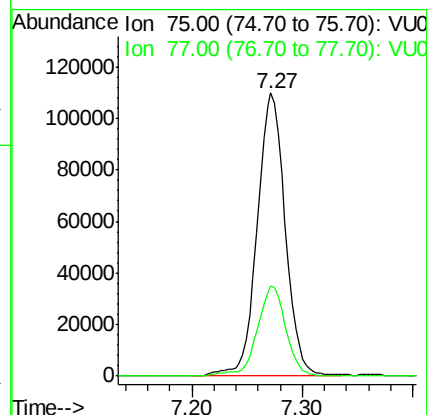
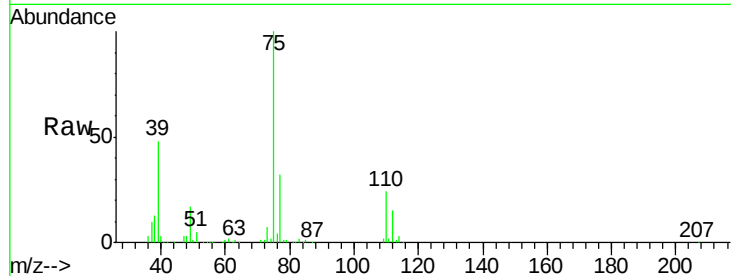




#39
 cis-1,3-Dichloropropene
 Concen: 49.697 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

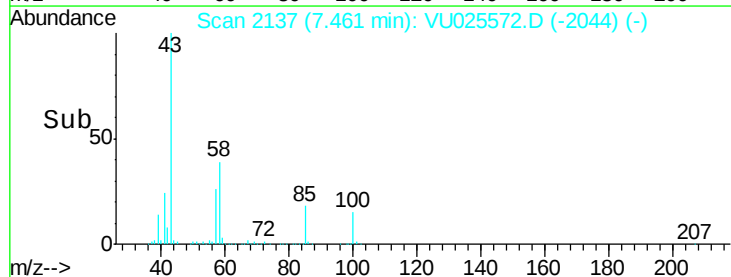
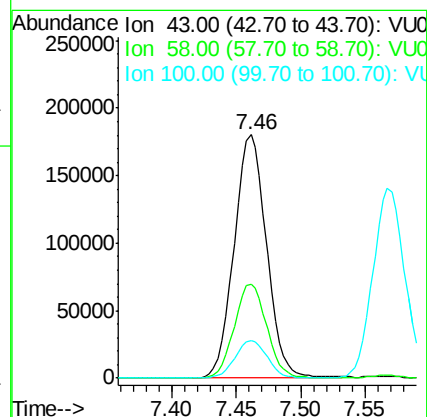
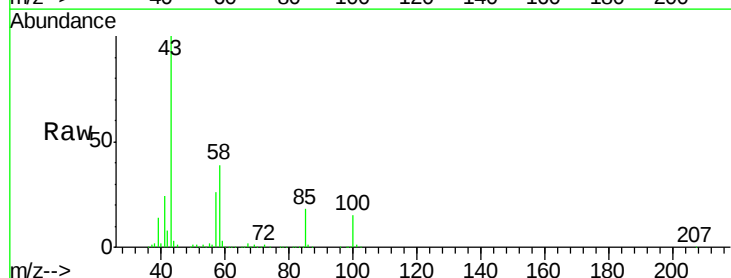
Instrument :
 MSVOA_U
 ClientSampled :

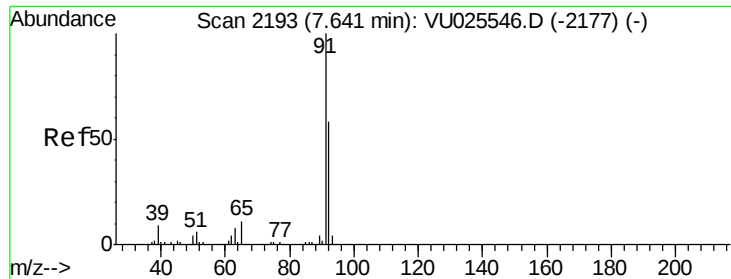
Tot Ion: 75 Resp: 193614
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 95.658 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Tgt Ion: 43 Resp: 315360
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 15.3 12.1 18.1





#42

Toluene

Concen: 49.520 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

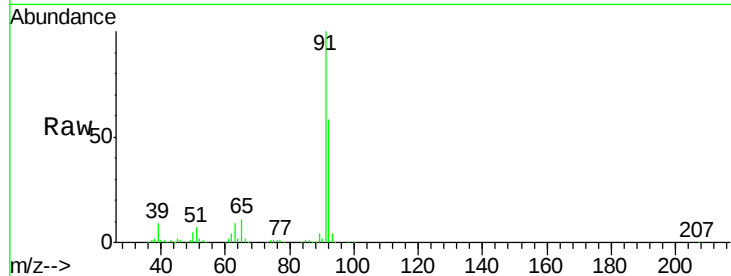
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 490598

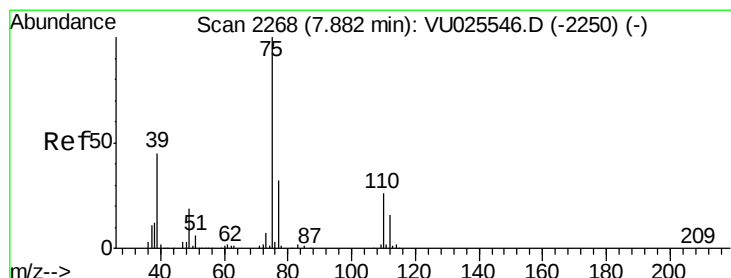
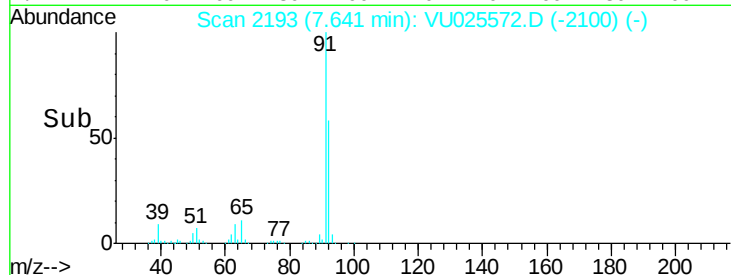
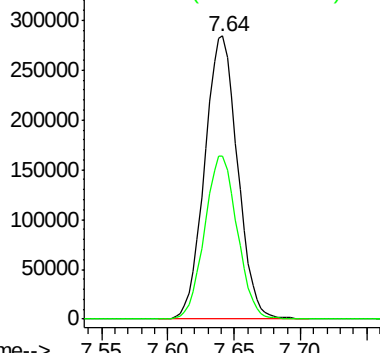
Ion Ratio Lower Upper

91 100

92 57.8 40.0 74.2



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: 50.043 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025572.D

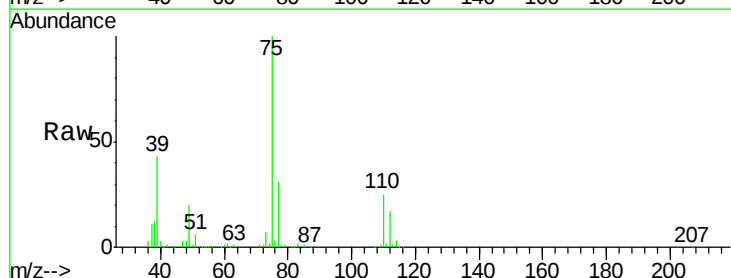
Acq: 21 Jul 2018 09:51

Tgt Ion: 75 Resp: 183824

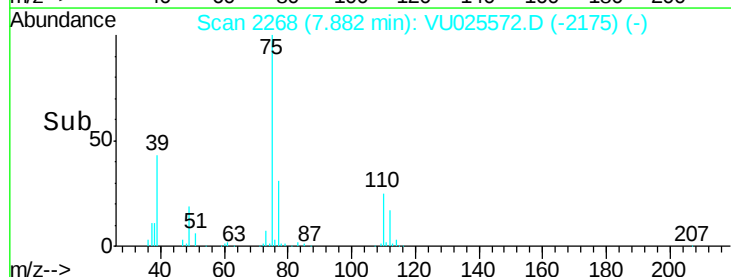
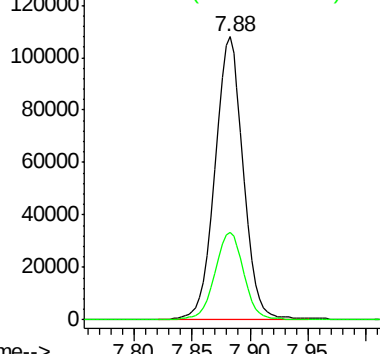
Ion Ratio Lower Upper

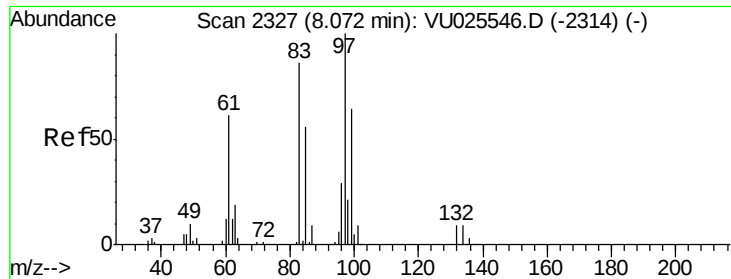
75 100

77 30.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

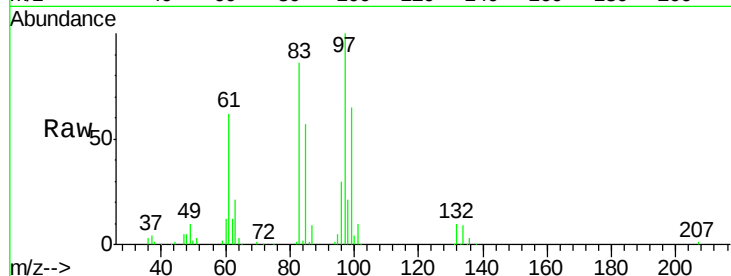




#45
1,1,2-Trichloroethane
Concen: 47.727 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	114927
Ion	Ratio	Lower	Upper
97	100		
99	64.9	44.3	82.3
83	85.9	59.8	111.1
85	56.7	37.9	70.5



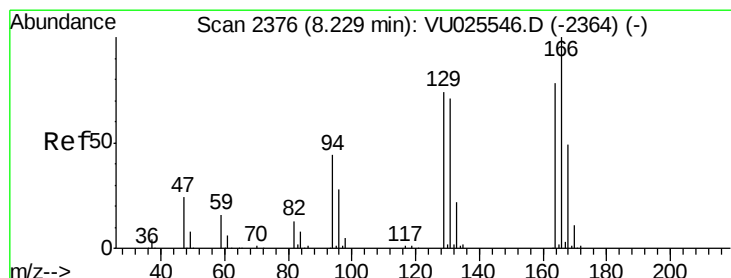
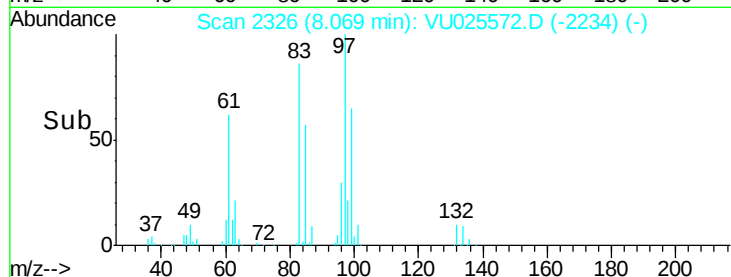
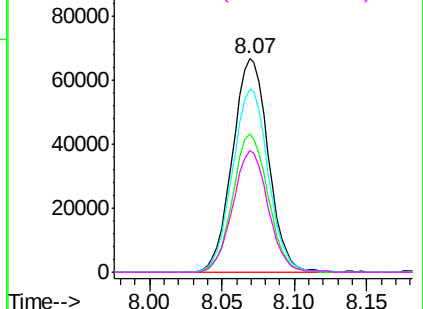
Abundance

Ion 97.00 (96.70 to 97.70): VU025572.D (-2234) (-)

Ion 99.00 (98.70 to 99.70): VU025572.D (-2234) (-)

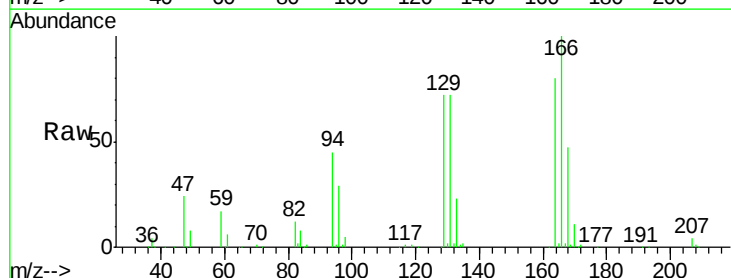
Ion 83.00 (82.70 to 83.70): VU025572.D (-2234) (-)

Ion 85.00 (84.70 to 85.70): VU025572.D (-2234) (-)



#46
Tetrachloroethene
Concen: 50.159 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Tgt Ion:	164	Resp:	105995
Ion	Ratio	Lower	Upper
164	100		
129	90.6	65.1	120.9
131	89.9	62.8	116.6
166	125.6	89.7	166.7



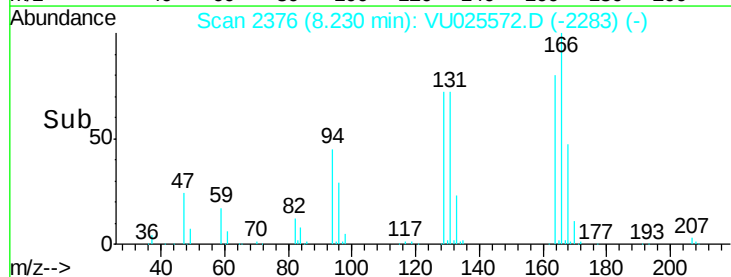
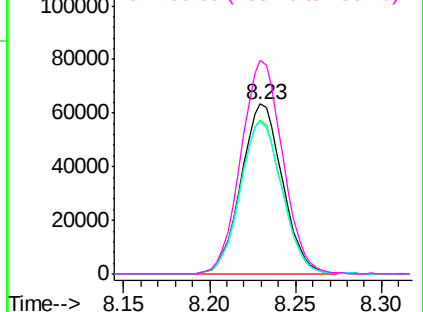
Abundance

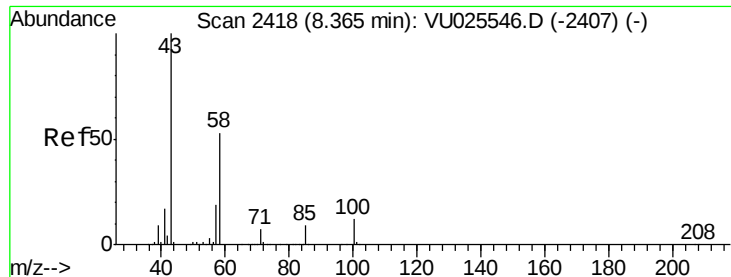
Ion 164.00 (163.70 to 164.70): VU025572.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU025572.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU025572.D (-2283) (-)

Ion 166.00 (165.70 to 166.70): VU025572.D (-2283) (-)

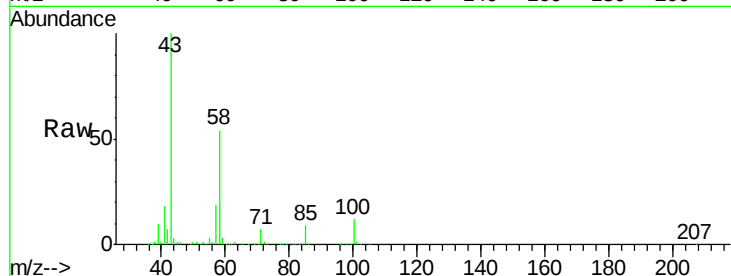




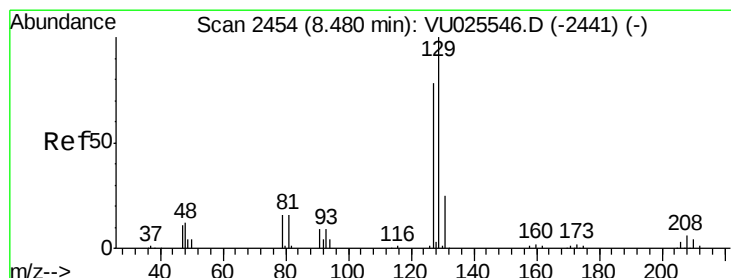
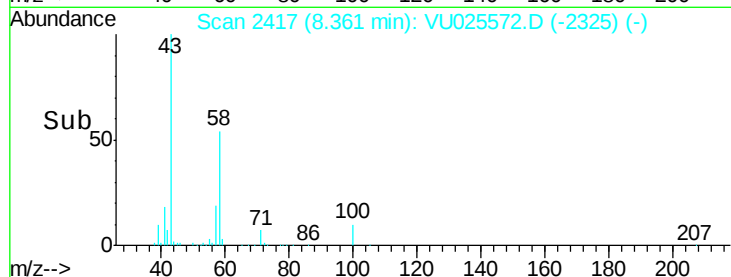
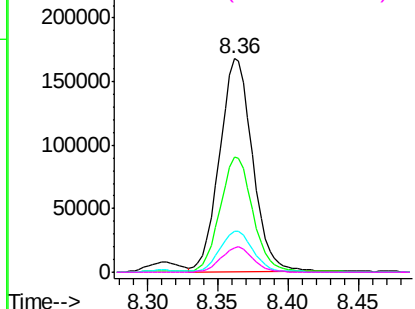
#48
2-Hexanone
Concen: 97.905 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 272736
Ion Ratio Lower Upper
43 100
58 53.0 42.9 64.3
57 19.2 15.4 23.2
100 11.8 9.6 14.4

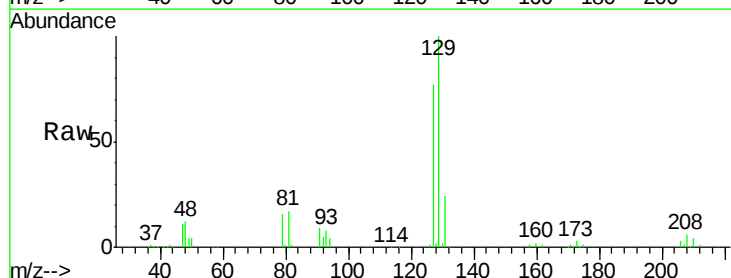


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

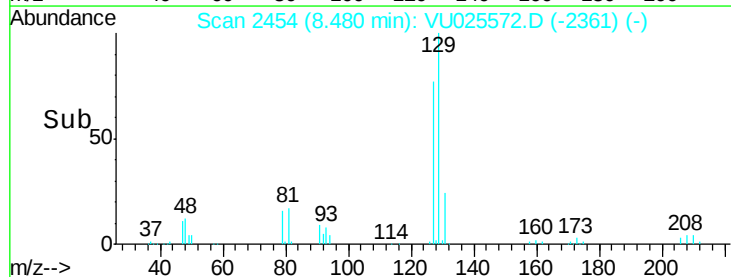
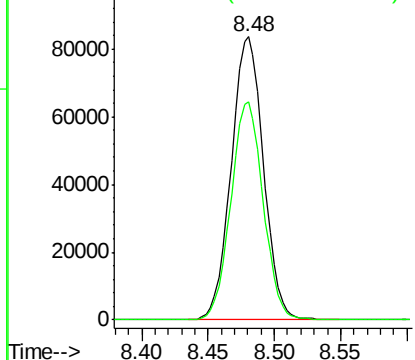


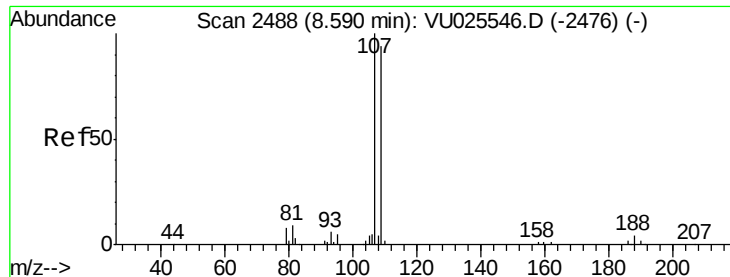
#49
Dibromochloromethane
Concen: 50.122 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Tgt Ion: 129 Resp: 141580
Ion Ratio Lower Upper
129 100
127 77.2 53.8 100.0



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

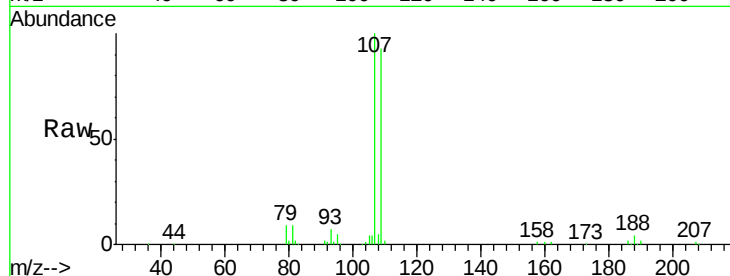




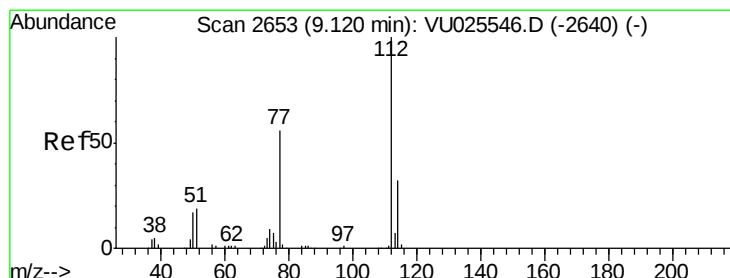
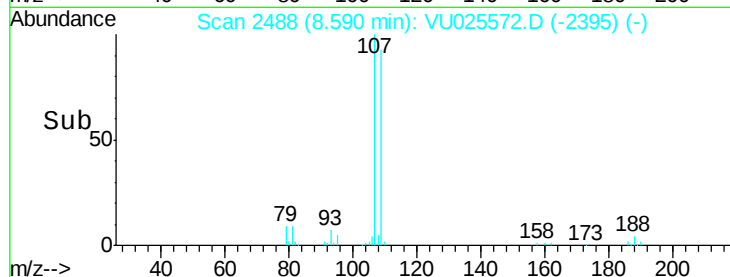
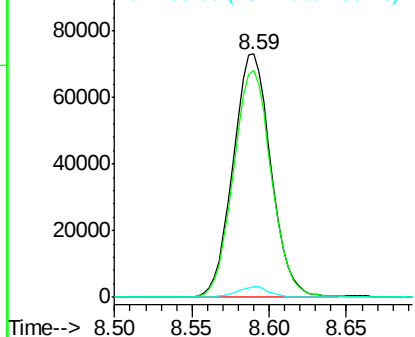
#50
1,2-Dibromoethane
Concen: 47.994 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.6	123.8
188	4.3	3.2	4.8

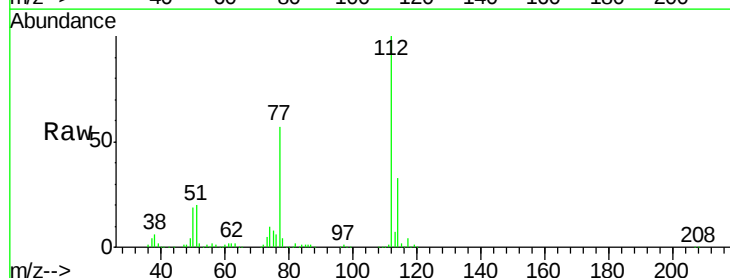


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

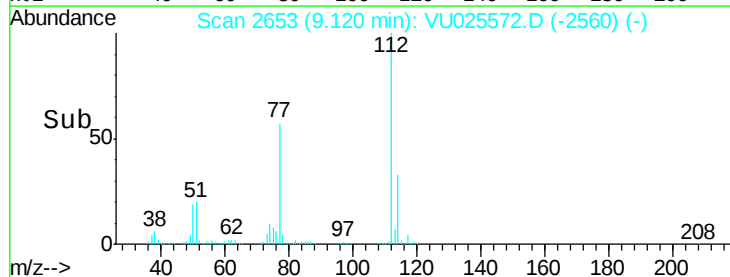
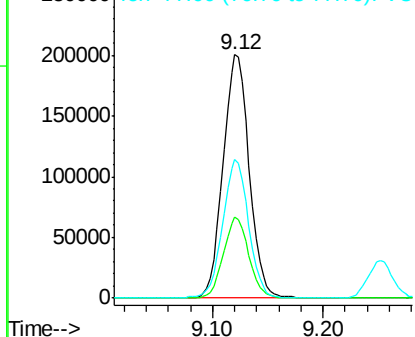


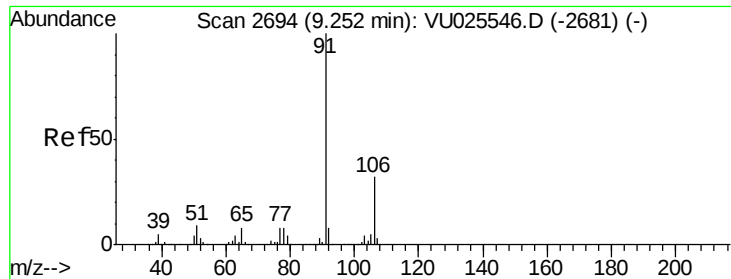
#51
Chlorobenzene
Concen: 49.316 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.5	41.9
77	57.2	45.8	68.8



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





#52

Ethylbenzene

Concen: 50.592 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

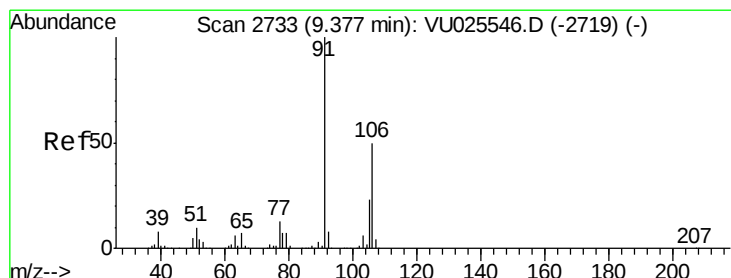
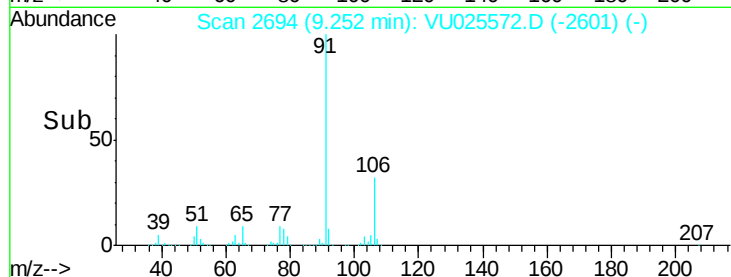
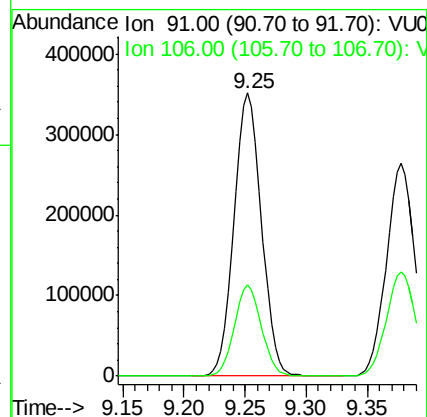
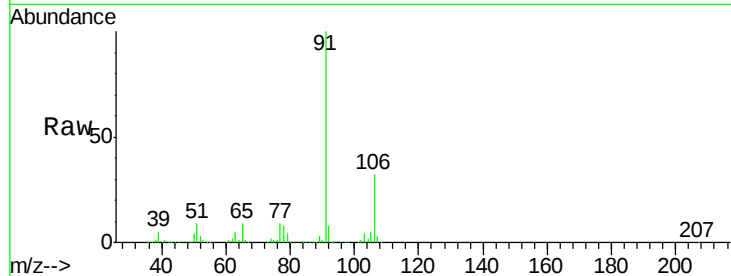
ClientSampled :

Tot Ion: 91 Resp: 553209

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.5



#53

m,p-Xylene

Concen: 51.141 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025572.D

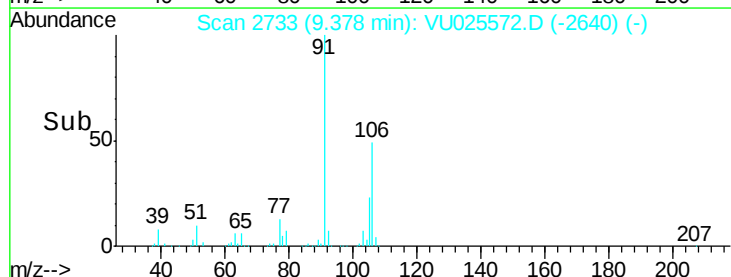
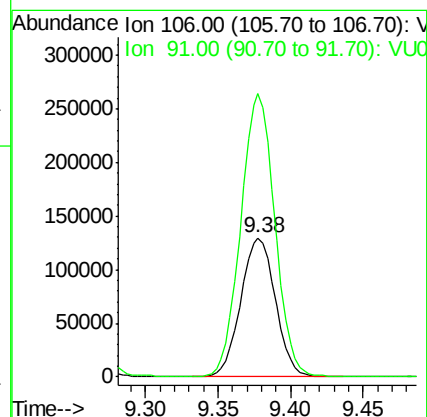
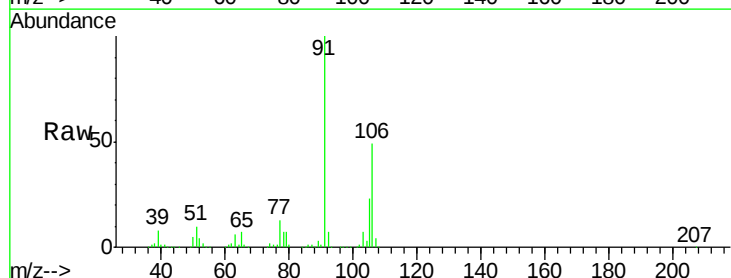
Acq: 21 Jul 2018 09:51

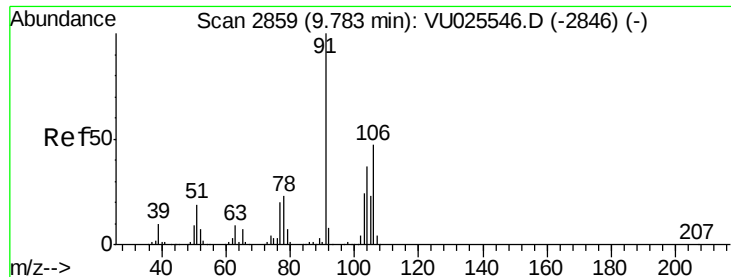
Tgt Ion: 106 Resp: 214197

Ion Ratio Lower Upper

106 100

91 203.5 141.7 263.3

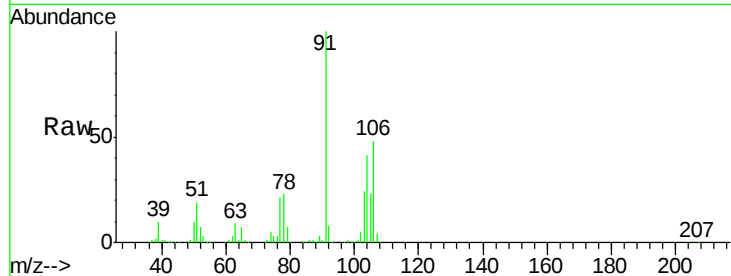




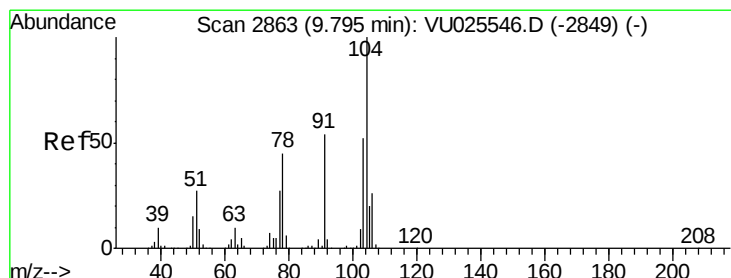
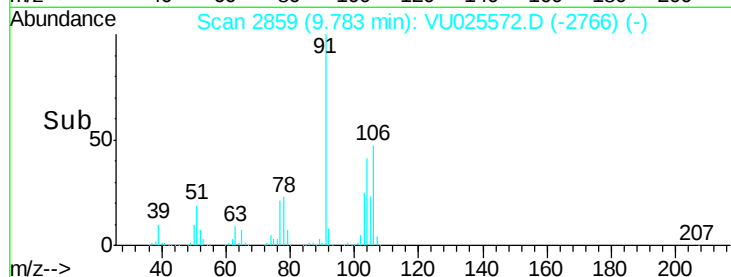
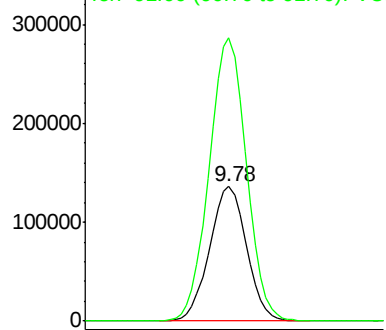
#54
o-xylene
Concen: 49.765 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 211500
Ion Ratio Lower Upper
106 100
91 210.5 150.6 279.6

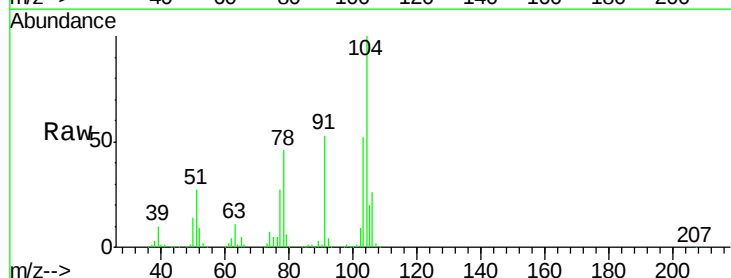


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

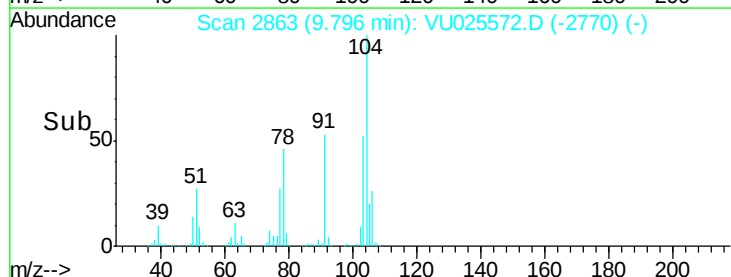
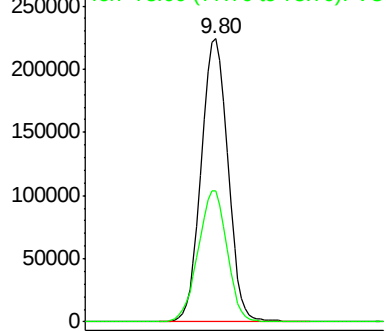


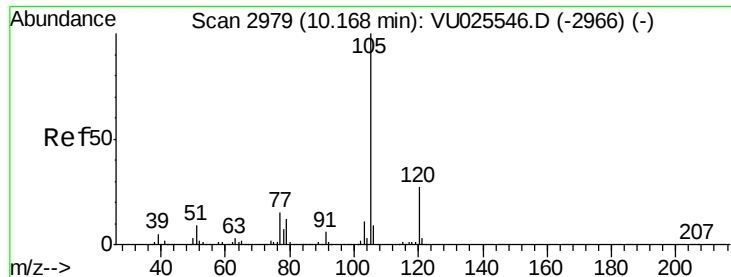
#55
Styrene
Concen: 51.455 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025572.D
Acq: 21 Jul 2018 09:51

Tgt Ion:104 Resp: 356169
Ion Ratio Lower Upper
104 100
78 46.1 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.413 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

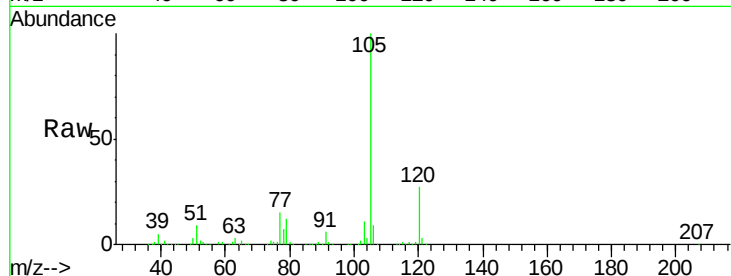
Tot Ion:105 Resp: 563893

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

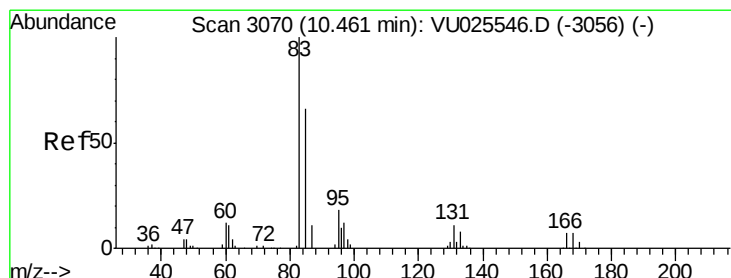
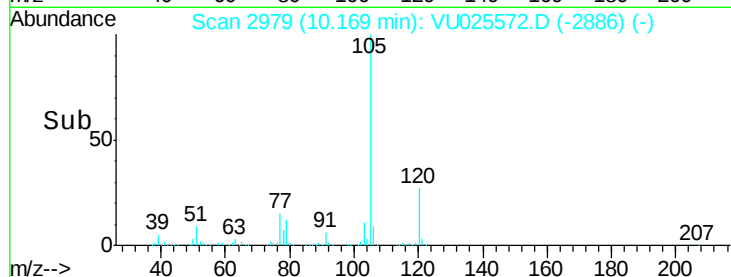
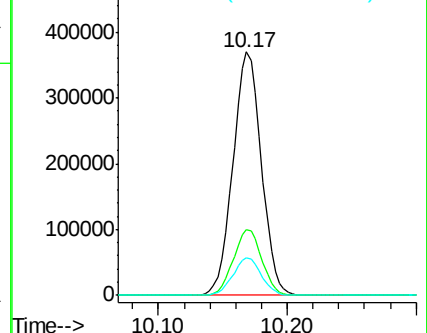
77 15.5 12.4 18.6



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: 47.398 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

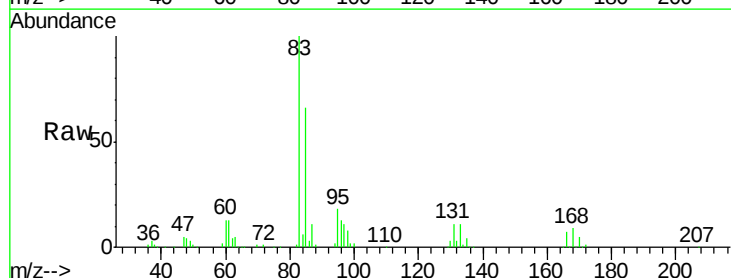
Tgt Ion: 83 Resp: 184101

Ion Ratio Lower Upper

83 100

85 66.2 45.1 83.7

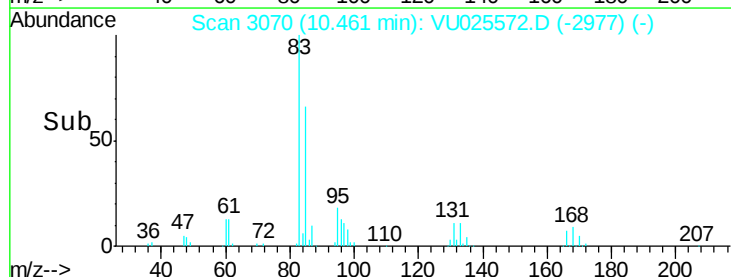
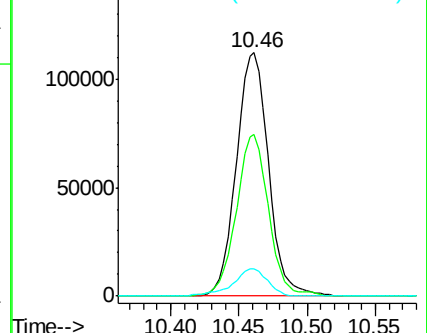
131 11.0 8.7 13.1

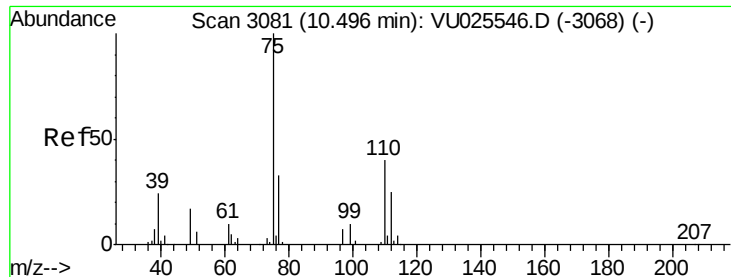


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

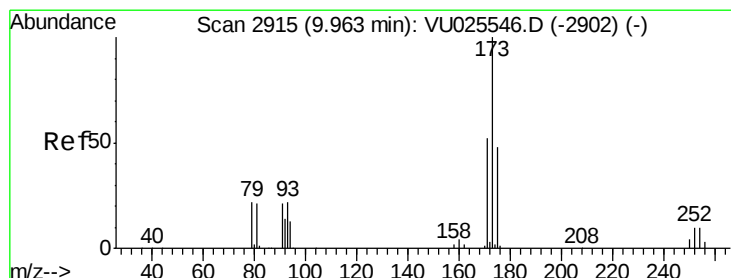
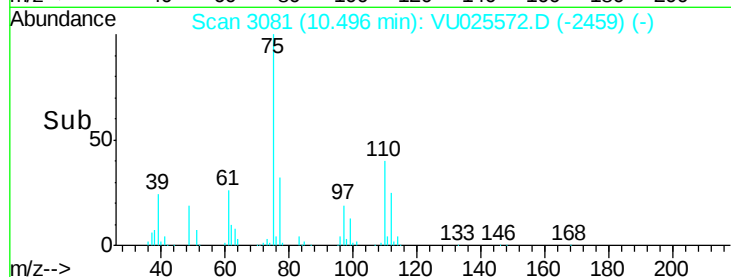
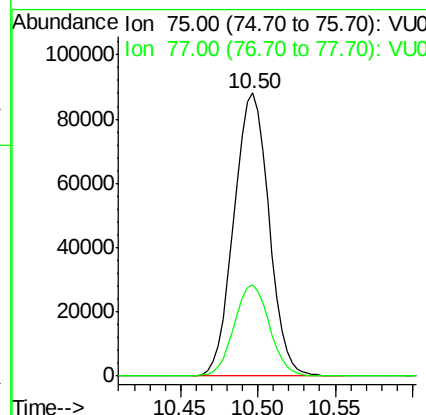
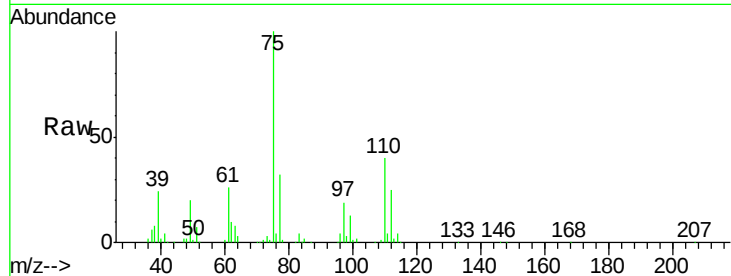




#59
 1,2,3-Trichloropropane
 Concen: 46.964 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

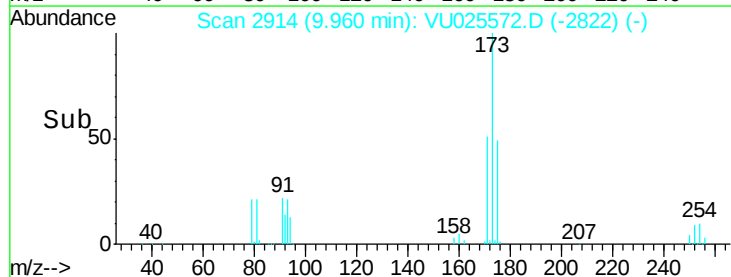
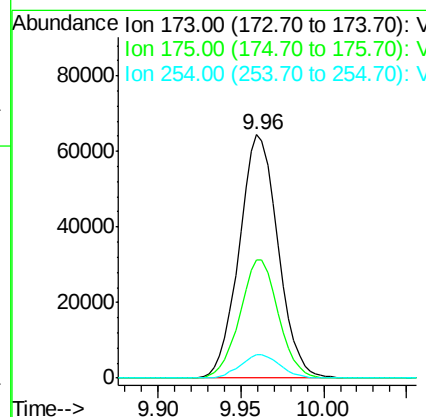
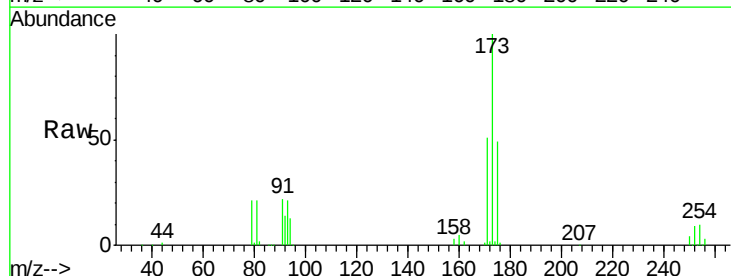
Instrument :
 MSVOA_U
 ClientSampleId :

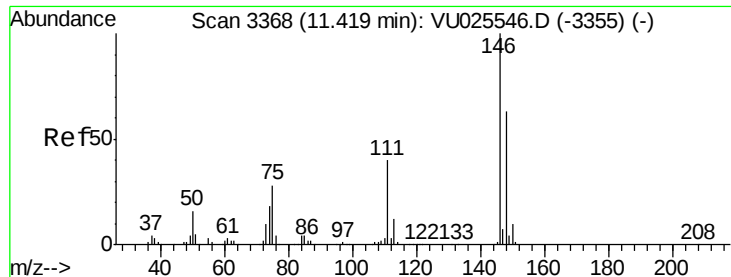
Tot Ion: 75 Resp: 138481
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#61
 Bromoform
 Concen: 47.497 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Tgt Ion: 173 Resp: 105076
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.8 59.8
 254 9.7 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 49.140 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

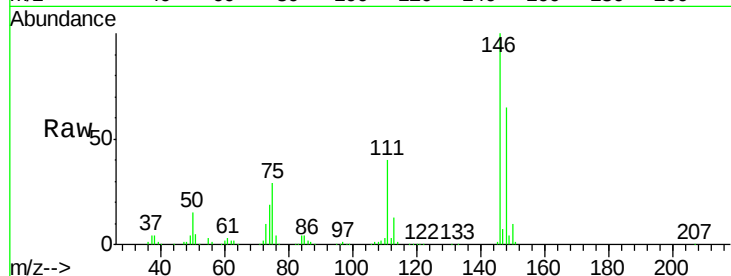
Tot Ion:146 Resp: 265851

Ion Ratio Lower Upper

146 100

111 39.6 27.7 51.5

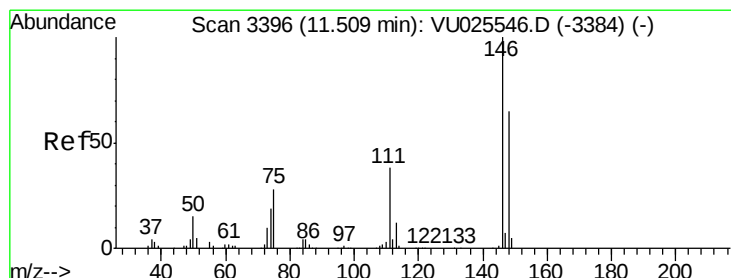
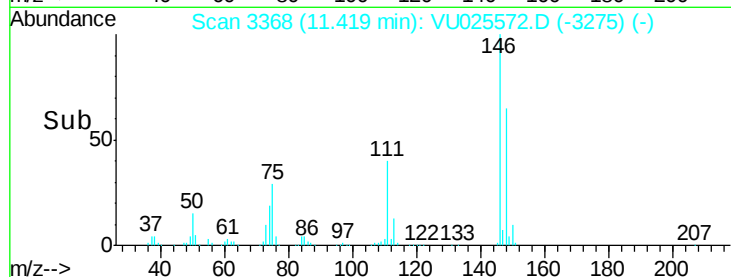
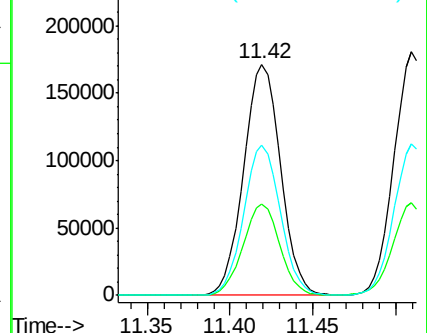
148 64.9 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.526 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

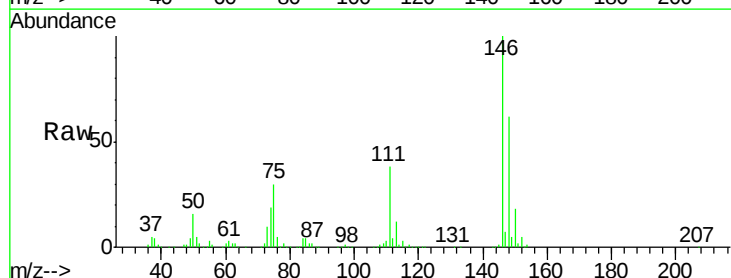
Tgt Ion:146 Resp: 273501

Ion Ratio Lower Upper

146 100

111 38.1 26.9 49.9

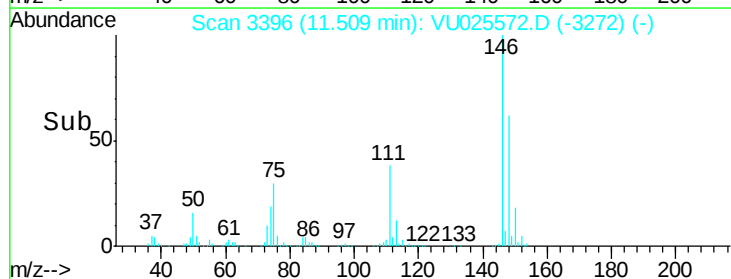
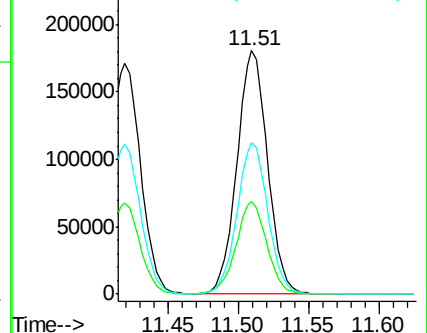
148 62.4 44.6 82.8

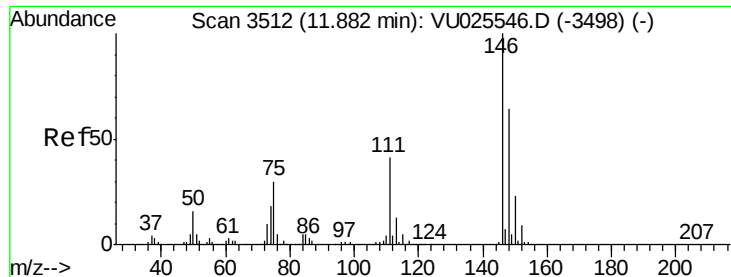


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

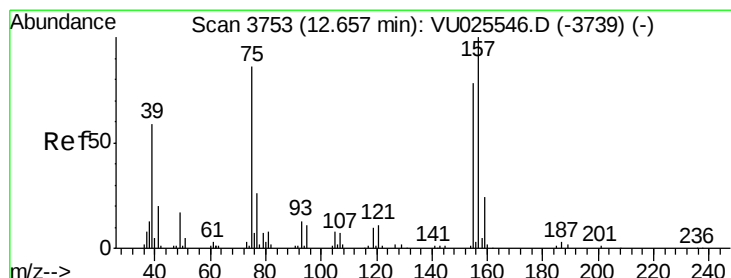
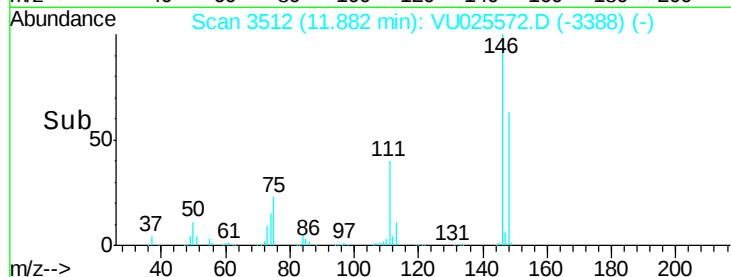
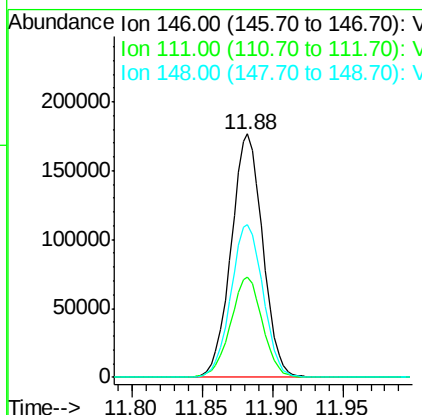
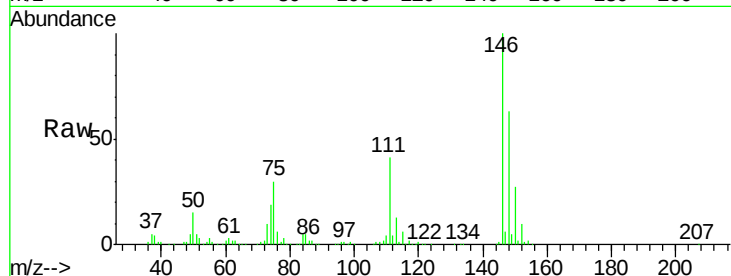




#65
 1,2-Dichlorobenzene
 Concen: 48.808 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

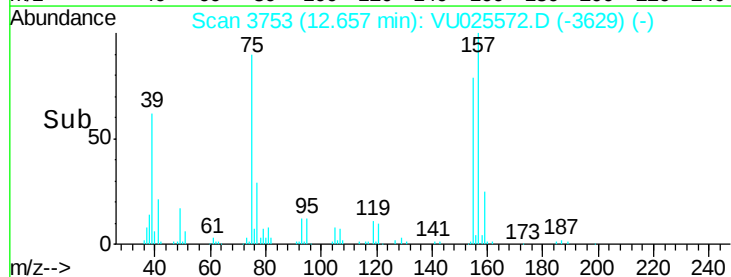
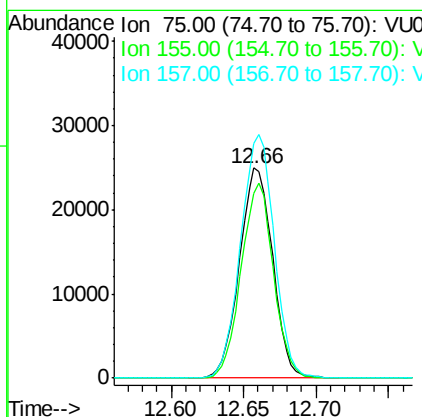
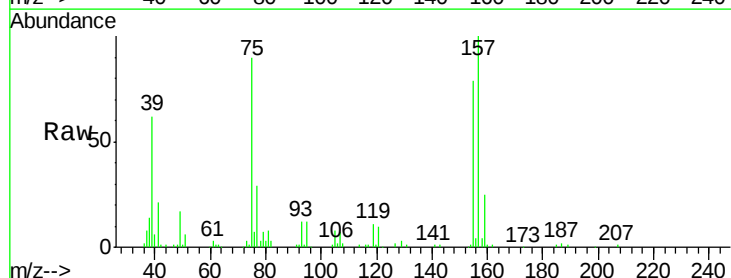
Instrument :
 MSVOA_U
 ClientSampleId :

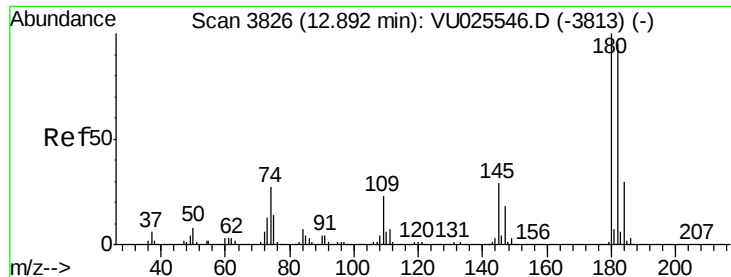
Tot Ion:146 Resp: 276634
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.4 48.6
 148 62.9 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.742 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Tgt Ion: 75 Resp: 39882
 Ion Ratio Lower Upper
 75 100
 155 88.3 66.3 99.5
 157 111.6 91.5 137.3

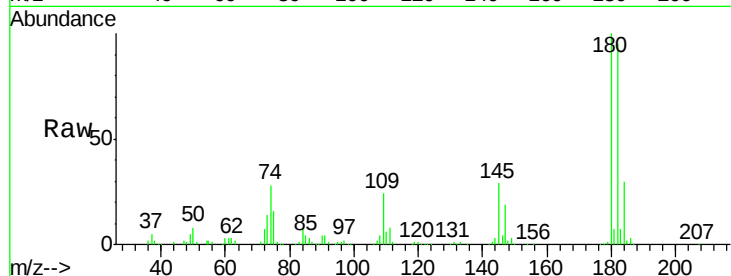




#67
 1,3,5-Trichlorobenzene
 Concen: 51.332 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	180	Resp	214361
Ion Ratio	100	Lower	Upper
182	96.5	77.3	115.9
184	30.0	24.6	36.8
145	28.8	23.0	34.6



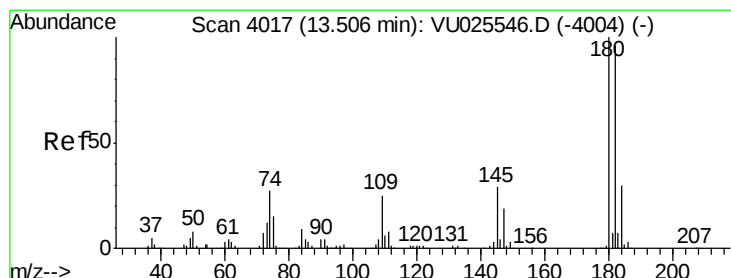
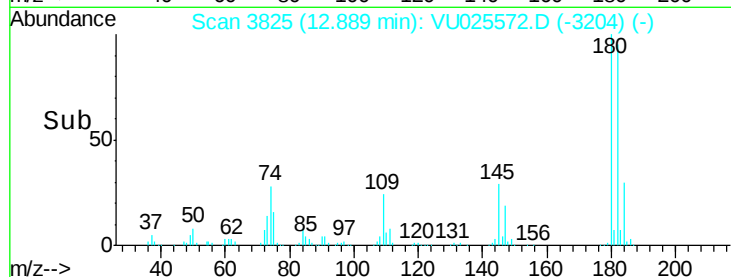
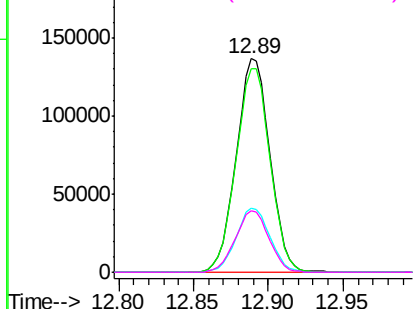
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

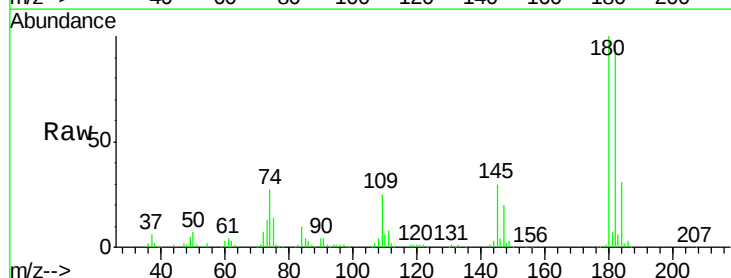
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.933 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025572.D
 Acq: 21 Jul 2018 09:51

Tgt Ion	180	Resp	182268
Ion Ratio	100	Lower	Upper
182	95.0	78.1	117.1
145	29.3	23.4	35.2

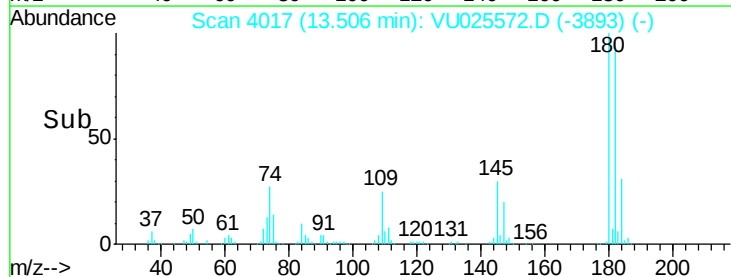
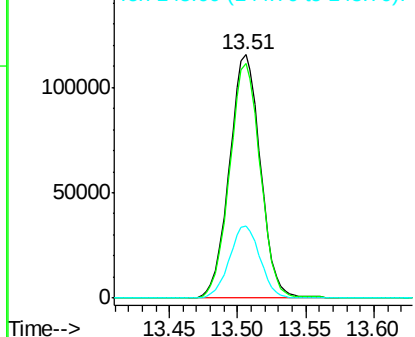


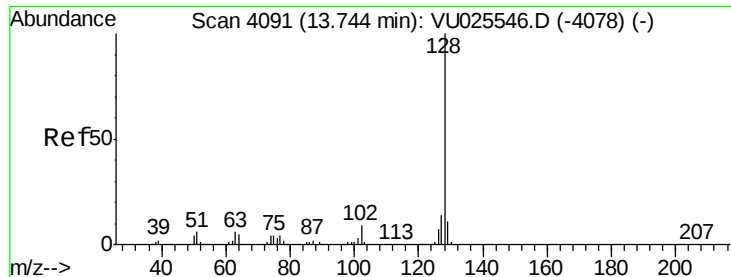
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.336 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

Instrument :

MSVOA_U

ClientSampleId :

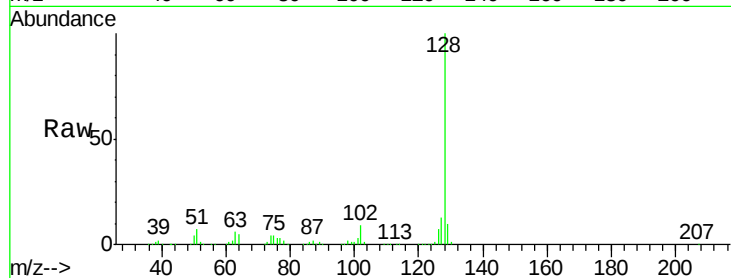
Tot Ion:128 Resp: 520716

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

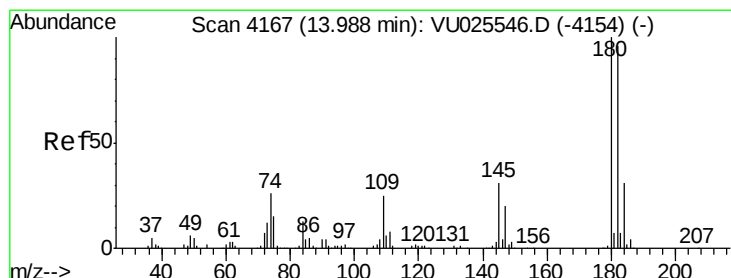
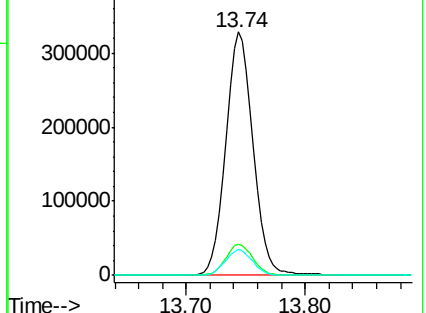
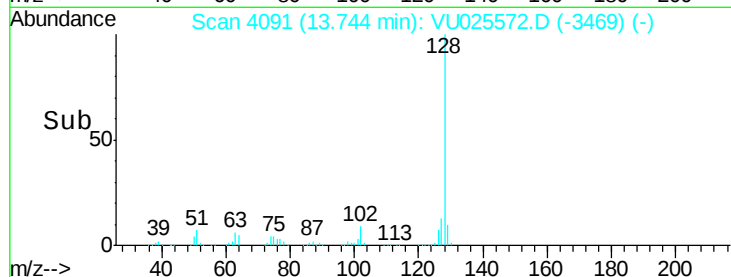
129 10.6 8.4 12.6



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: 50.559 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025572.D

Acq: 21 Jul 2018 09:51

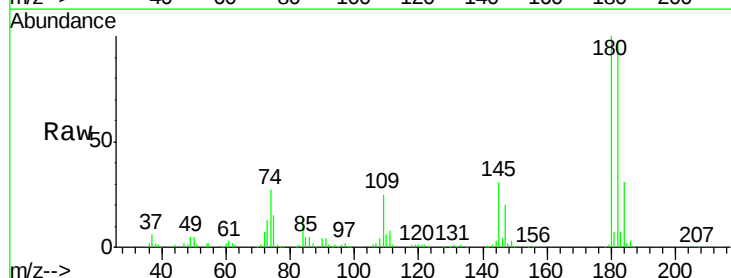
Tgt Ion:180 Resp: 187580

Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 31.1 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

