

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028302.D
 Acq On : 21 Nov 2018 00:54
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:13:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160708	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156205	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	74581	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49561	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.68	69	45582	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.28	63	105280	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.20	46	227412	56.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.38%
24) Chloroform-d	4.65	84	111850	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.31	65	60799	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.34	84	201097	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.33	67	78678	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.56	98	174630	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.85	79	27612	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.31	63	174326	55.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	59138	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	61937	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	60382	4.474 ug/L	97
3) Chloromethane	1.32	50	92837	5.405 ug/L	96
5) Vinyl chloride	1.40	62	80146	4.914 ug/L	100
6) Bromomethane	1.63	94	25376	3.447 ug/L	98
8) Chloroethane	1.70	64	45637	4.734 ug/L	96
9) Trichlorofluoromethane	1.89	101	88394	4.653 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	46420	4.440 ug/L	99
12) 1,1-Dichloroethene	2.29	96	46913	4.742 ug/L	97
13) Acetone	2.33	43	121051	43.492 ug/L	96
14) Carbon disulfide	2.48	76	153776	4.950 ug/L	99
15) Methyl Acetate	2.62	43	33081	4.484 ug/L	98
16) Methylene chloride	2.70	84	57150	4.585 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	141814	4.772 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	49590	4.705 ug/L	92
19) 1,1-Dichloroethane	3.44	63	120771	4.942 ug/L	99
21) 2-Butanone	4.28	43	208039	46.939 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	61587	4.944 ug/L	93

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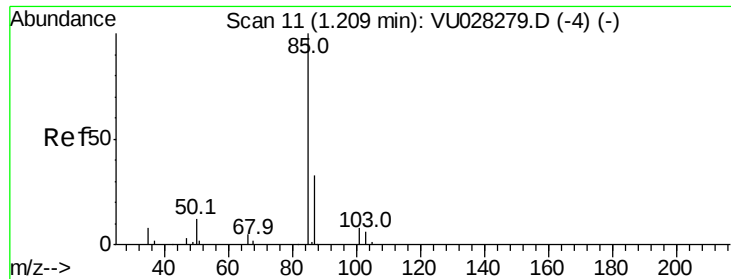
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	23386	4.797	uq/L	96
25) Chloroform	4.67	83	114609	4.334	uq/L	95
27) 1,2-Dichloroethane	5.41	62	75087	4.967	uq/L	99
29) 1,1,1-Trichloroethane	4.91	97	86372	4.905	uq/L	98
30) Cyclohexane	4.99	56	108091	4.690	uq/L	99
31) Carbon tetrachloride	5.13	117	68333	4.730	uq/L	98
33) Benzene	5.39	78	242416	4.704	uq/L	100
34) Trichloroethene	6.18	95	58247	4.616	uq/L	96
35) Methylcyclohexane	6.41	83	90450	4.550	uq/L	97
37) 1,2-Dichloropropane	6.43	63	72094	4.902	uq/L #	98
38) Bromodichloromethane	6.76	83	79352	4.948	uq/L	97
39) cis-1,3-Dichloropropene	7.27	75	91552	4.912	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	517453	49.216	uq/L	99
42) Toluene	7.64	91	254383	4.870	uq/L	100
44) trans-1,3-Dichloropropene	7.88	75	74406	5.307	uq/L	95
45) 1,1,2-Trichloroethane	8.07	97	41554	4.676	uq/L	94
47) Tetrachloroethene	8.22	164	39728	4.536	uq/L	98
48) 2-Hexanone	8.36	43	361894	48.276	uq/L	99
49) Dibromochloromethane	8.48	129	42635	4.740	uq/L	98
50) 1,2-Dibromoethane	8.58	107	38607	4.807	uq/L	91
51) Chlorobenzene	9.12	112	145044	4.821	uq/L	99
52) Ethylbenzene	9.25	91	269413	4.792	uq/L	95
53) m,p-xylene	9.37	106	97417	4.994	uq/L	95
54) o-xylene	9.78	106	93275	4.788	uq/L	95
55) Styrene	9.79	104	163132	4.988	uq/L	98
56) Isopropylbenzene	10.16	105	253503	4.858	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	57209	5.009	uq/L	95
59) 1,2,3-Trichloropropane	10.49	75	40954	4.819	uq/L	100
61) Bromoform	9.96	173	22174	4.689	uq/L	97
62) 1,3-Dichlorobenzene	11.41	146	103965	4.581	uq/L	98
63) 1,4-Dichlorobenzene	11.51	146	104880	4.529	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	100297	4.507	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	8552	4.933	uq/L #	79
67) 1,3,5-Trichlorobenzene	12.89	180	80588	4.642	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	72064	4.968	uq/L	100
69) Naphthalene	13.74	128	140328	5.443	uq/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	67022	4.878	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.474 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

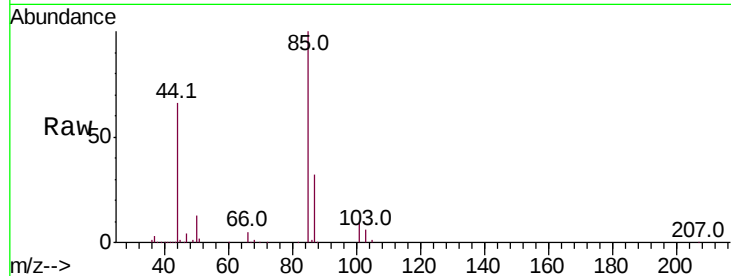
ClientSampleId :

Tot Ion: 85 Resp: 60382

Ion Ratio Lower Upper

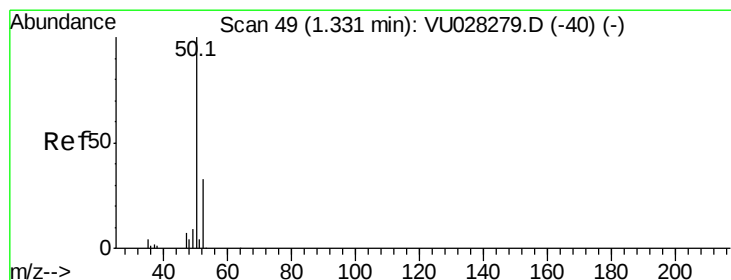
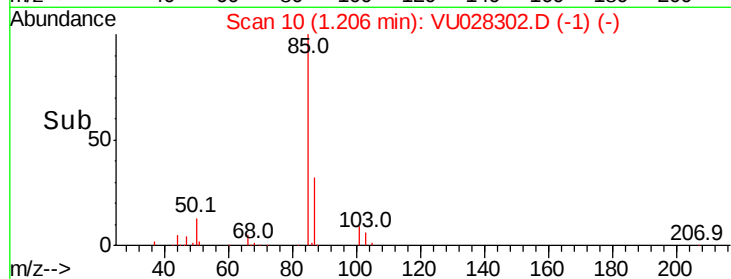
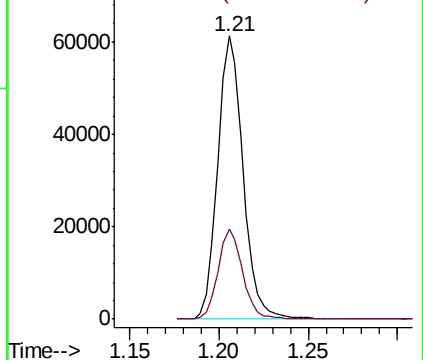
85 100

87 30.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.405 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.01 min

Lab File: VU028302.D

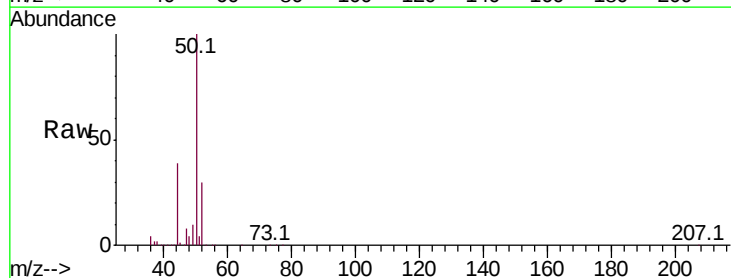
Acq: 21 Nov 2018 00:54

Tgt Ion: 50 Resp: 92837

Ion Ratio Lower Upper

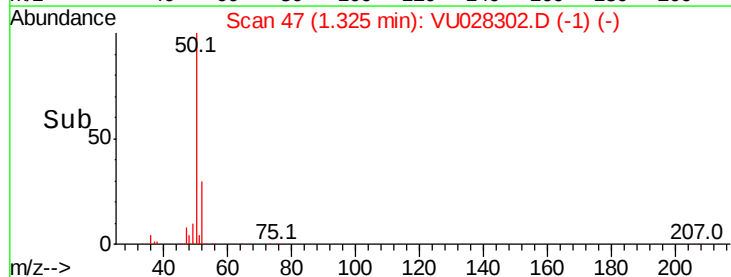
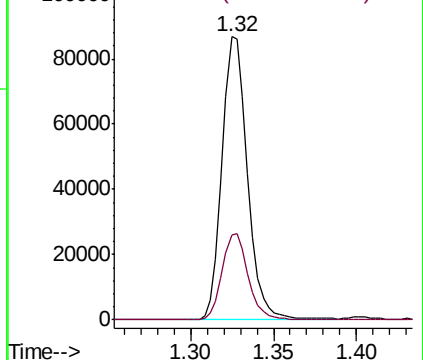
50 100

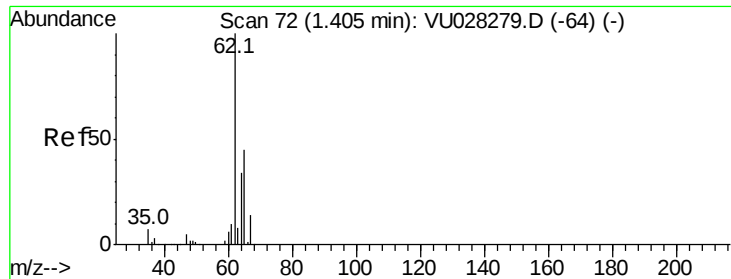
52 30.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.914 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

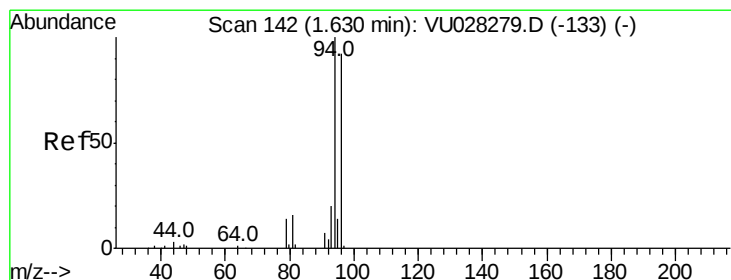
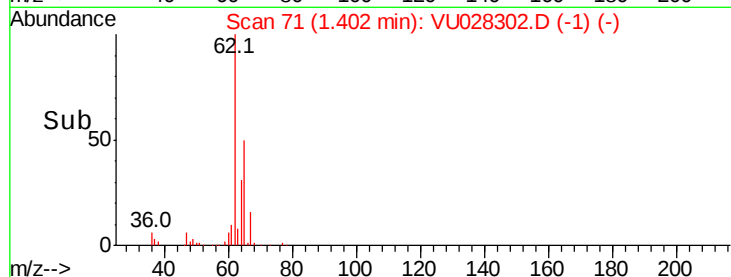
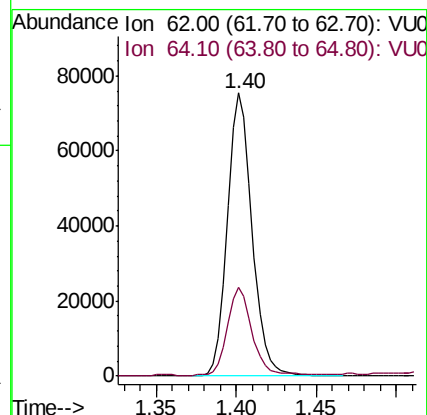
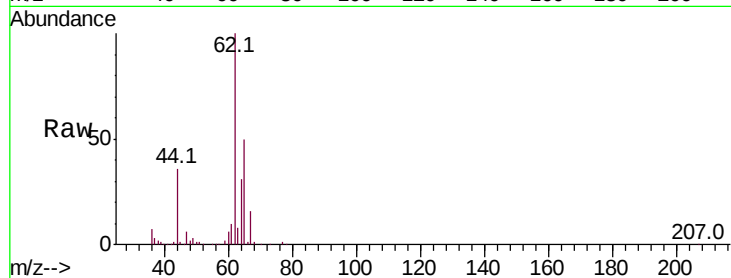
ClientSampleId :

Tot Ion: 62 Resp: 80146

Ion Ratio Lower Upper

62 100

64 31.3 21.7 40.3



#6

Bromomethane

Concen: 3.447 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028302.D

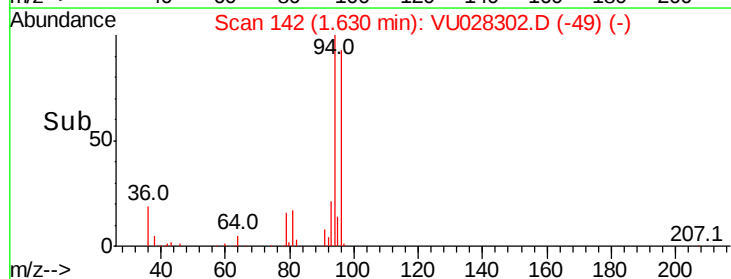
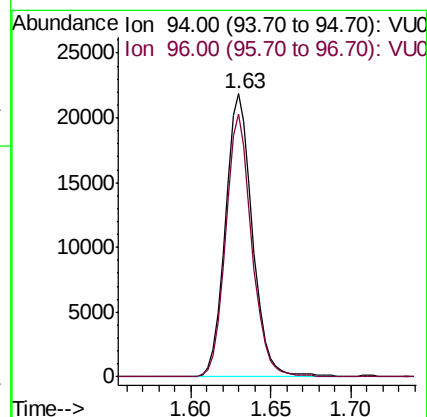
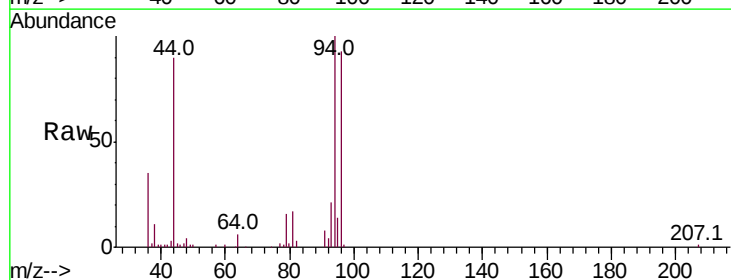
Acq: 21 Nov 2018 00:54

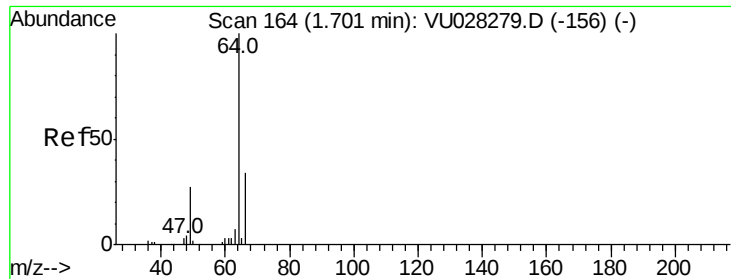
Tgt Ion: 94 Resp: 25376

Ion Ratio Lower Upper

94 100

96 92.8 63.6 118.0





#8

Chloroethane

Concen: 4.734 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

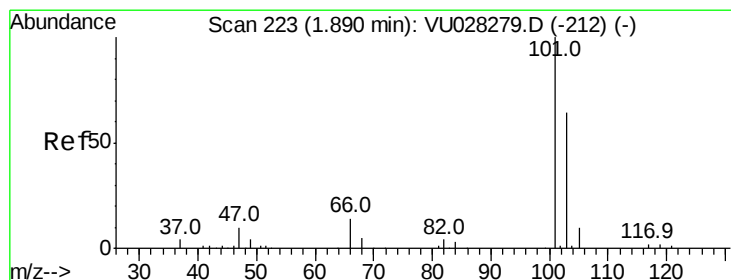
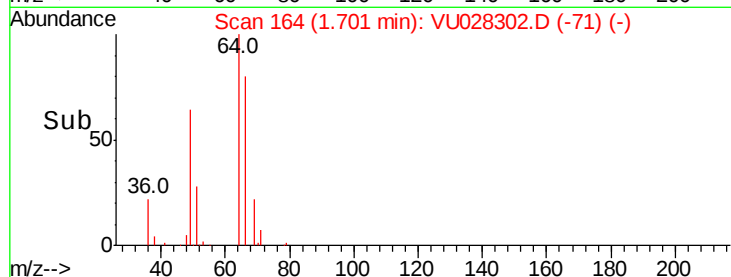
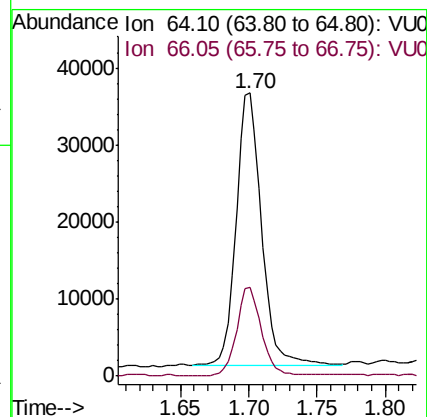
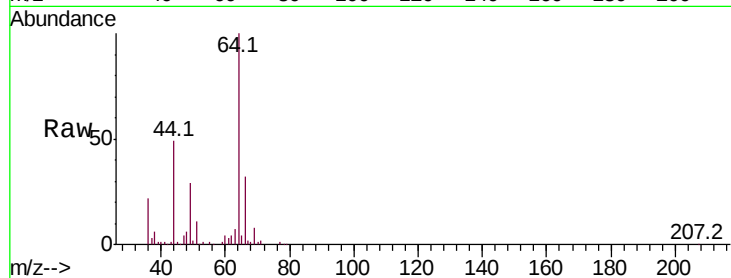
ClientSampled :

Tot Ion: 64 Resp: 45637

Ion Ratio Lower Upper

64 100

66 31.6 20.7 38.5



#9

Trichlorofluoromethane

Concen: 4.653 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU028302.D

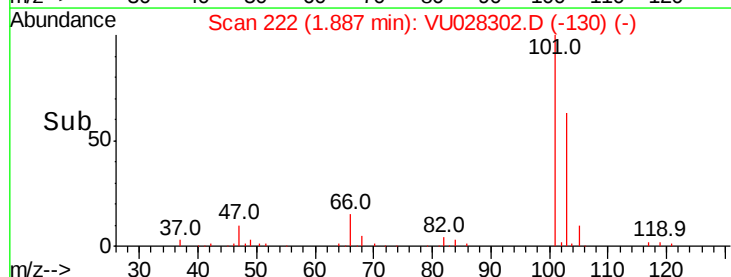
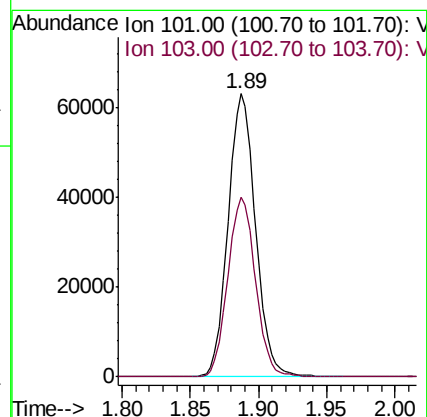
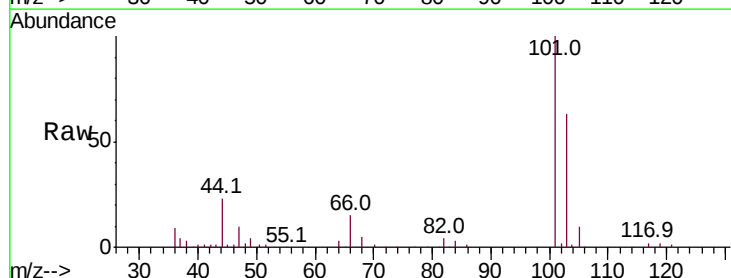
Acq: 21 Nov 2018 00:54

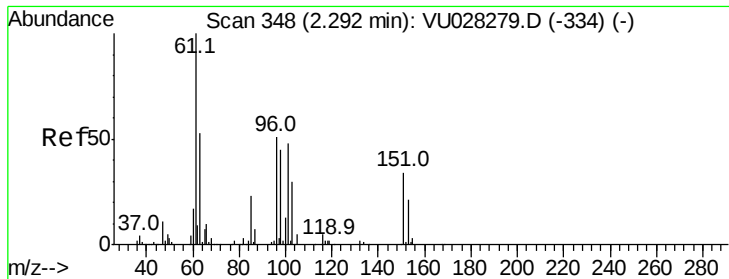
Tgt Ion: 101 Resp: 88394

Ion Ratio Lower Upper

101 100

103 64.1 51.7 77.5





#10

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

Concen: 4.440 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.01 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

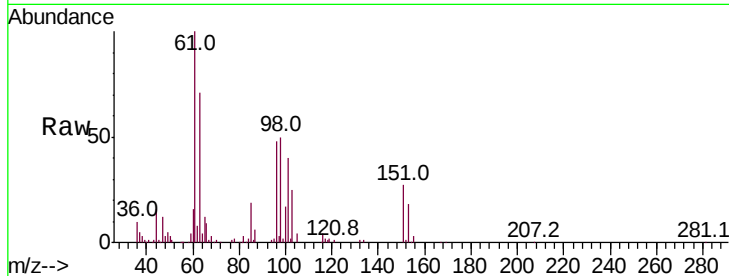
Tot Ion:101 Resp: 46420

Ion Ratio Lower Upper

101 100

85 47.4 37.4 56.2

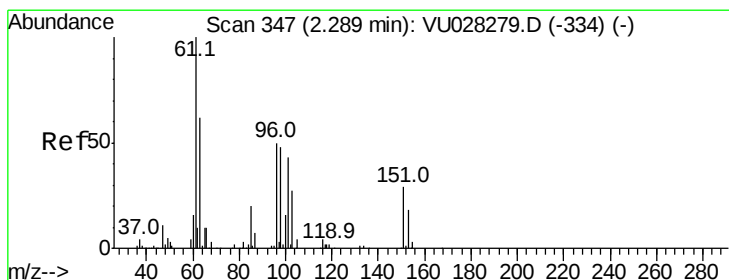
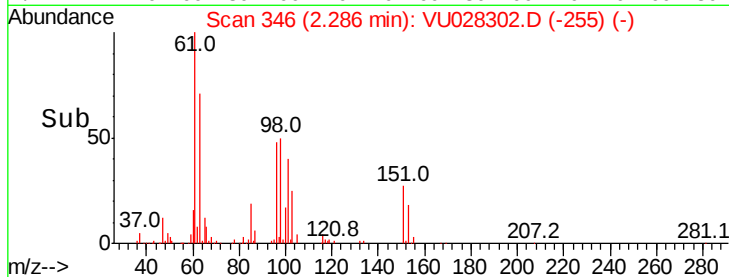
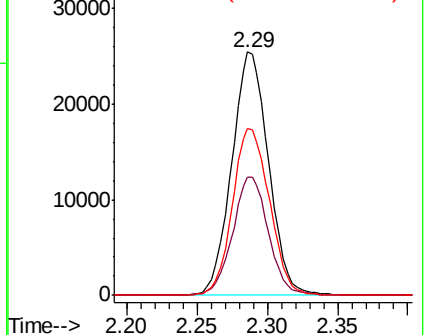
151 69.2 55.0 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.742 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

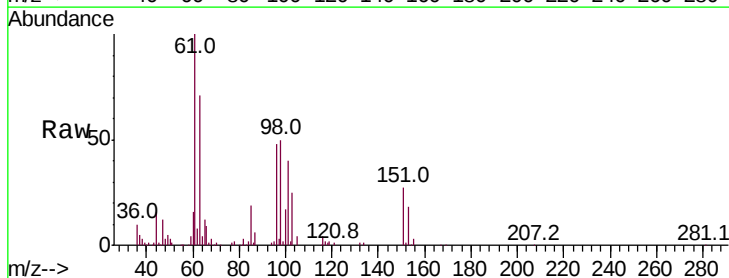
Tgt Ion: 96 Resp: 46913

Ion Ratio Lower Upper

96 100

61 208.9 145.5 270.1

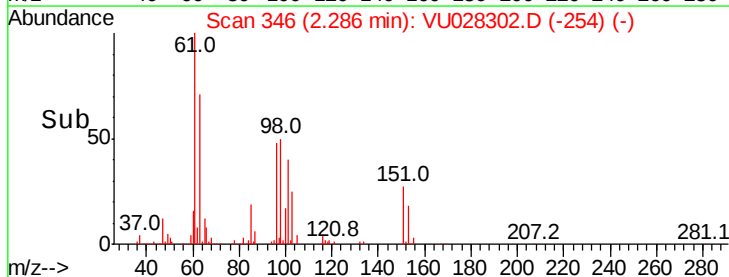
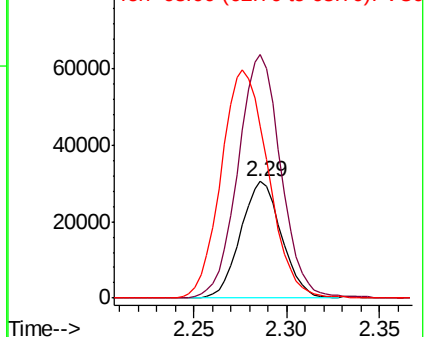
63 148.0 98.6 183.2

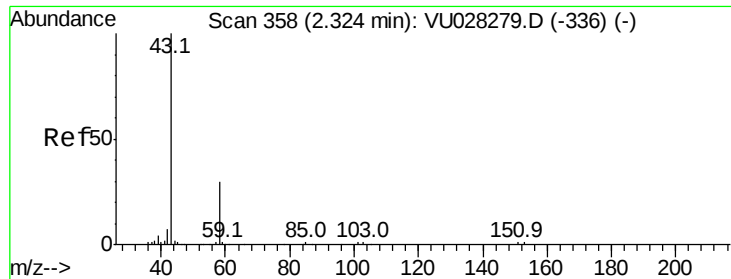


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.492 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

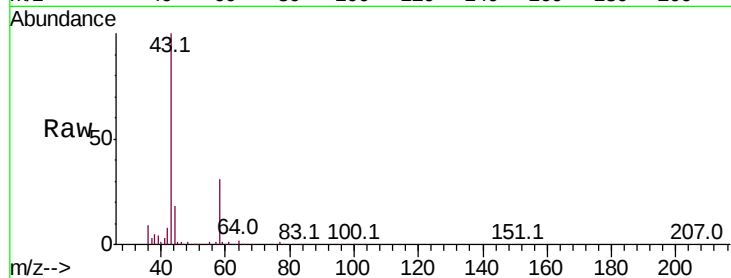
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 121051

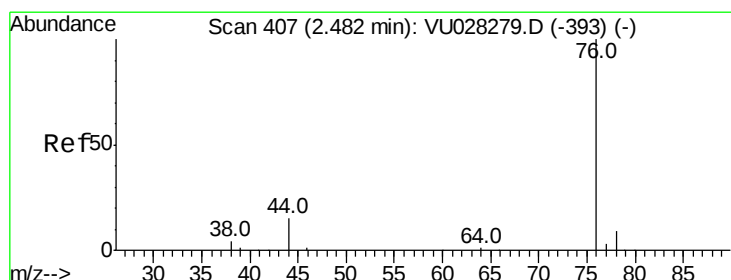
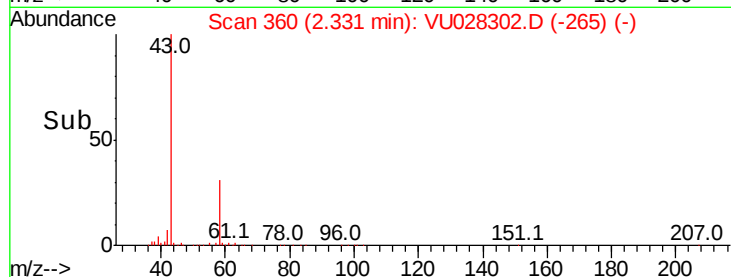
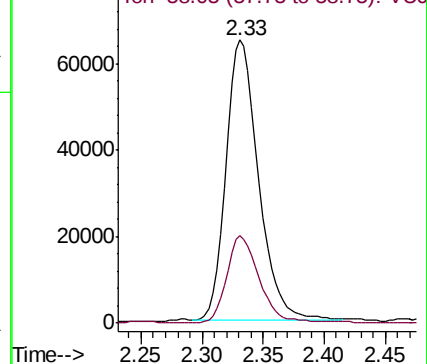
Ion Ratio Lower Upper

43 100

58 31.7 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.950 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028302.D

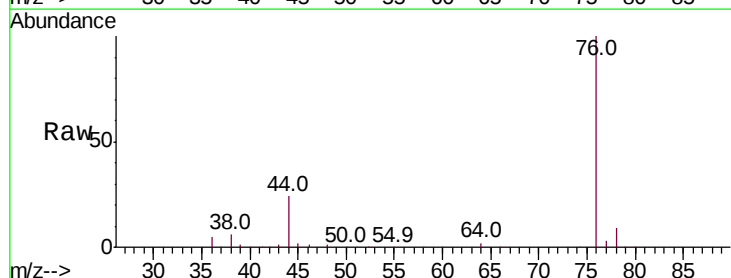
Acq: 21 Nov 2018 00:54

Tgt Ion: 76 Resp: 153776

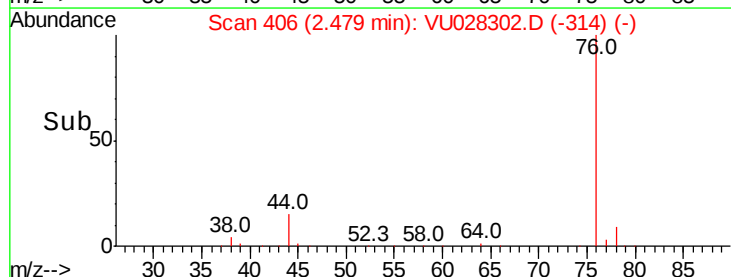
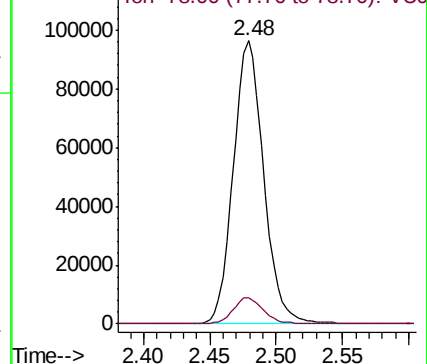
Ion Ratio Lower Upper

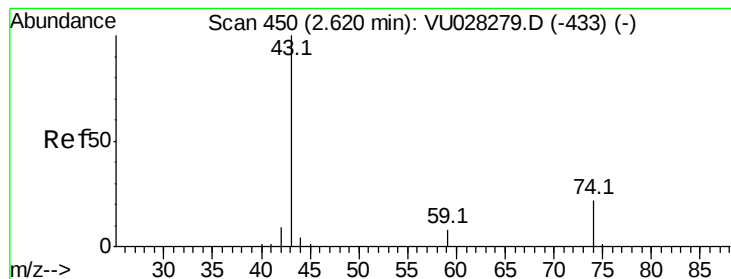
76 100

78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU0
Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 4.484 ug/L

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

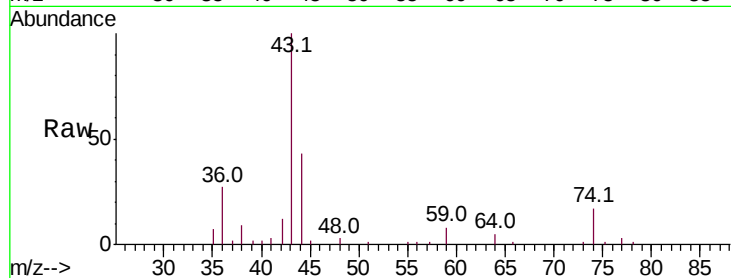
ClientSampled :

Tot Ion: 43 Resp: 33081

Ion Ratio Lower Upper

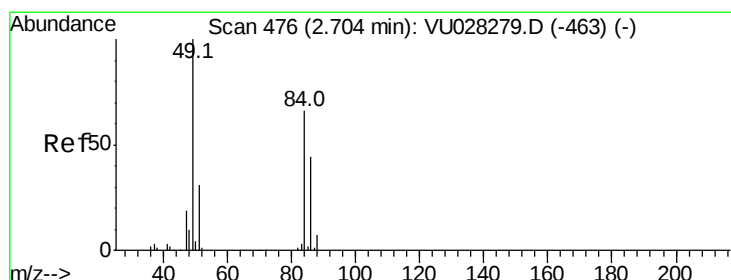
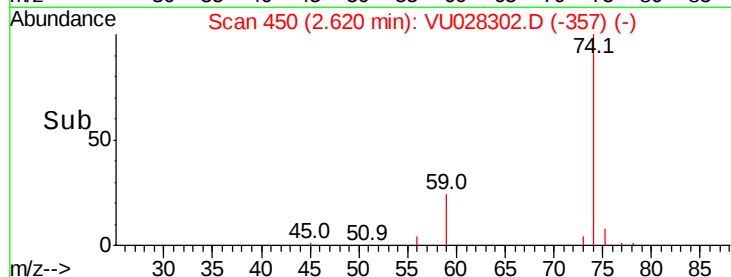
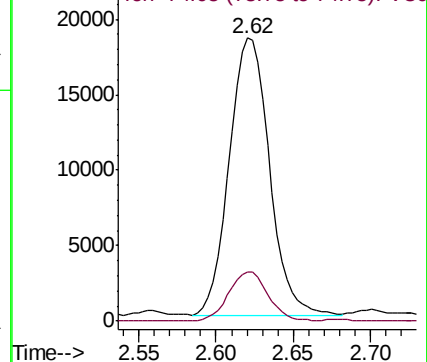
43 100

74 17.5 14.7 22.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.585 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

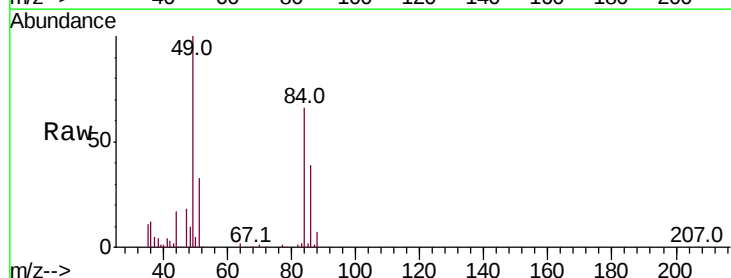
Tgt Ion: 84 Resp: 57150

Ion Ratio Lower Upper

84 100

86 59.8 45.3 84.1

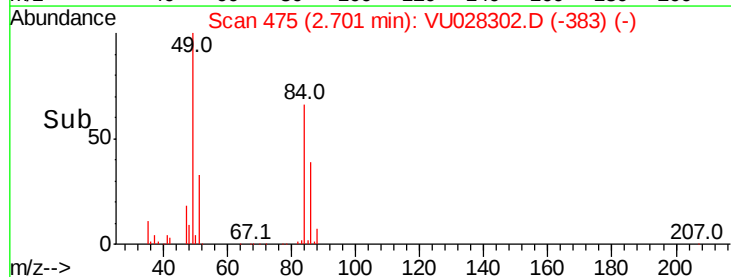
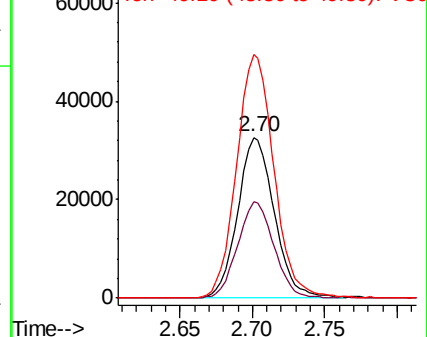
49 151.6 107.9 200.5

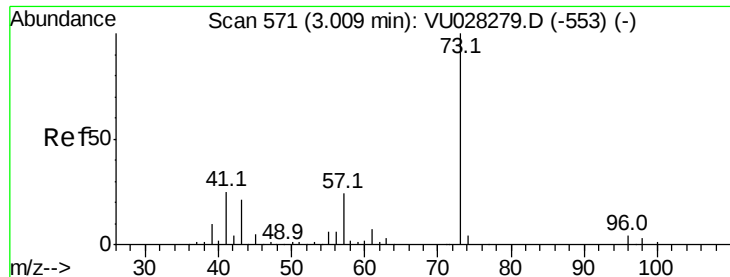


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

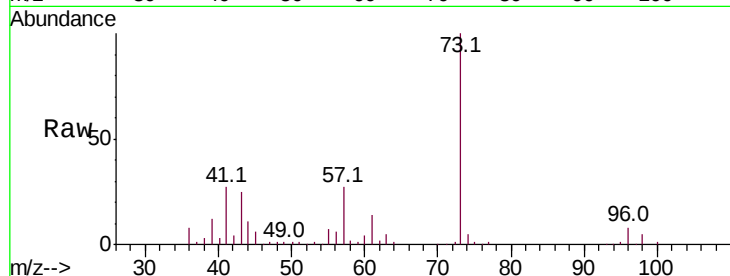




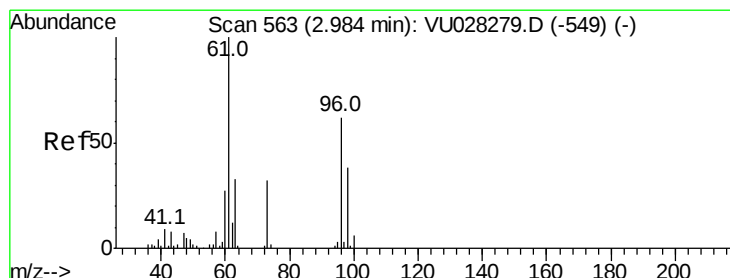
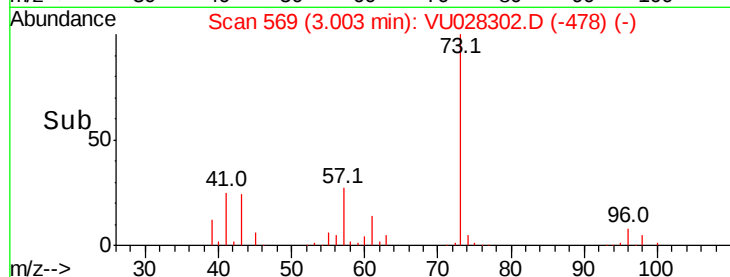
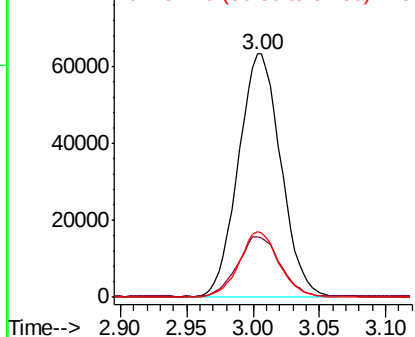
#17
Methvl tert-butvl Ether
Concen: 4.772 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 141814
Ion Ratio Lower Upper
73 100
43 24.4 18.8 28.2
57 25.4 19.2 28.8

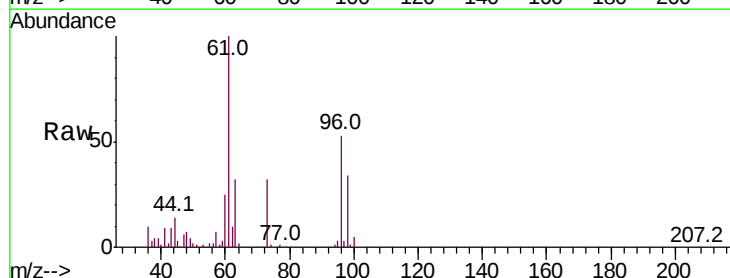


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

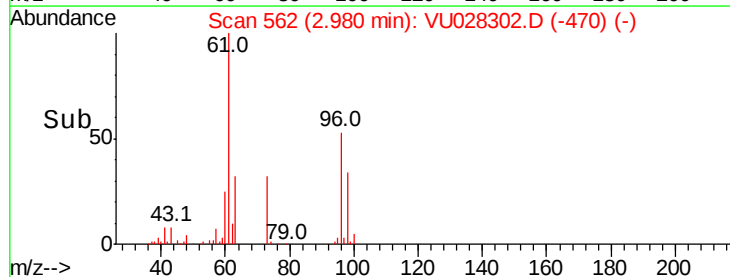
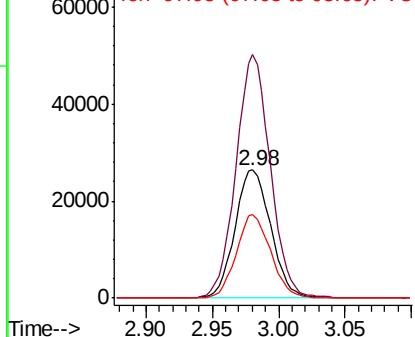


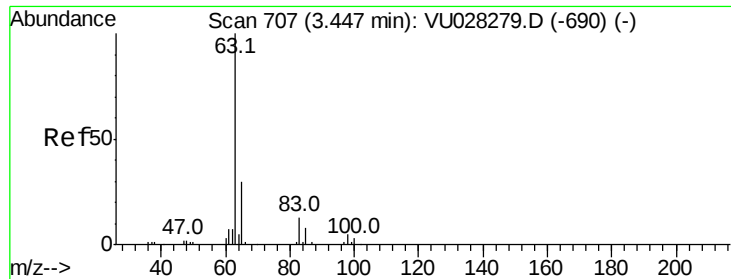
#18
trans-1,2-Dichloroethene
Concen: 4.705 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Tgt Ion: 96 Resp: 49590
Ion Ratio Lower Upper
96 100
61 189.8 122.2 227.0
98 65.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.942 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

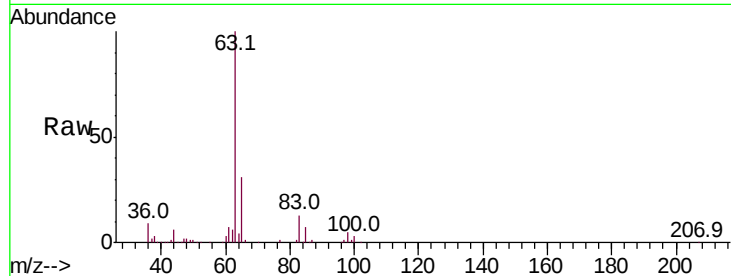
Tot Ion: 63 Resp: 120771

Ion Ratio Lower Upper

63 100

65 30.8 21.2 39.4

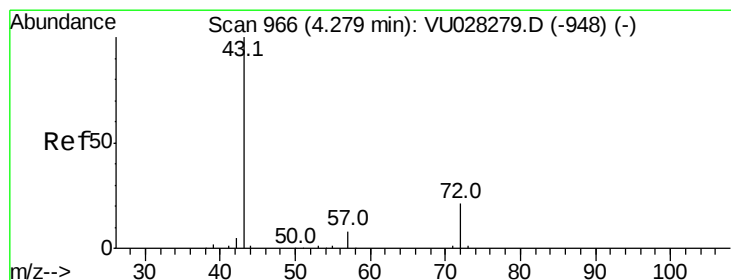
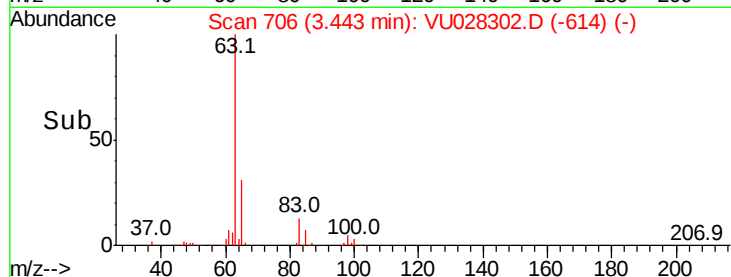
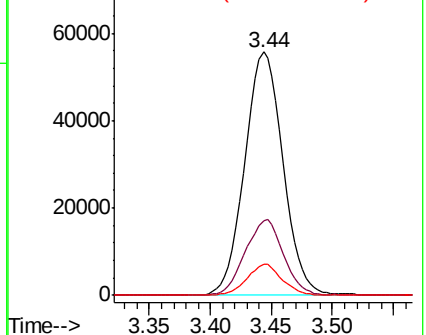
83 12.7 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 46.939 ug/L

RT: 4.28 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU028302.D

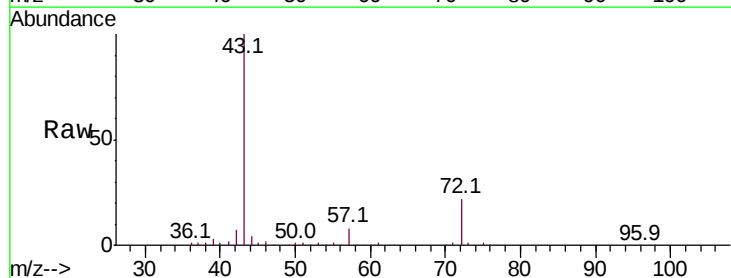
Acq: 21 Nov 2018 00:54

Tgt Ion: 43 Resp: 208039

Ion Ratio Lower Upper

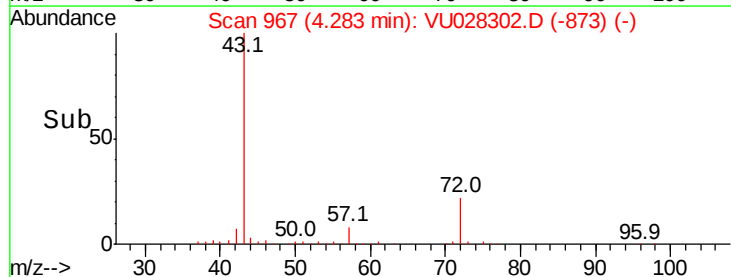
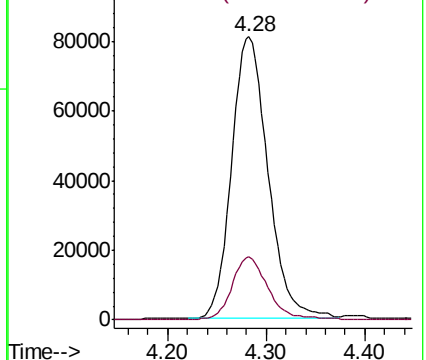
43 100

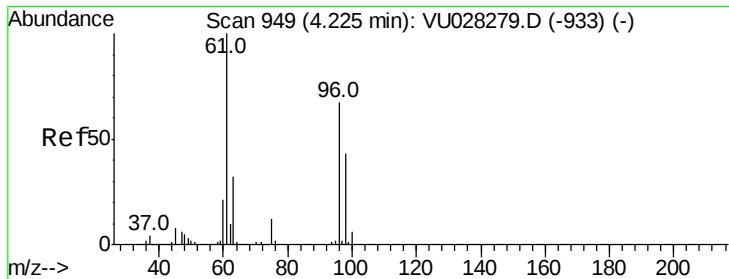
72 21.6 10.7 32.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



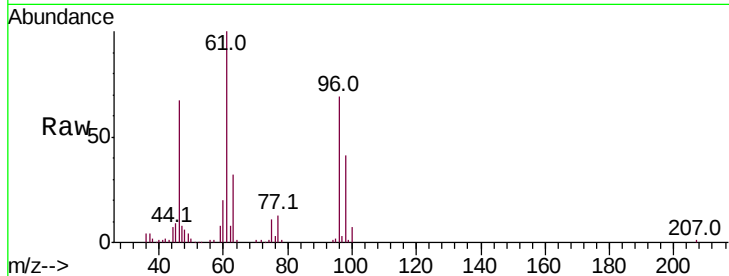


#22

cis-1,2-Dichloroethene
Concen: 4.944 ug/L
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	108.0	200.6
68	0.0	0.0	0.0

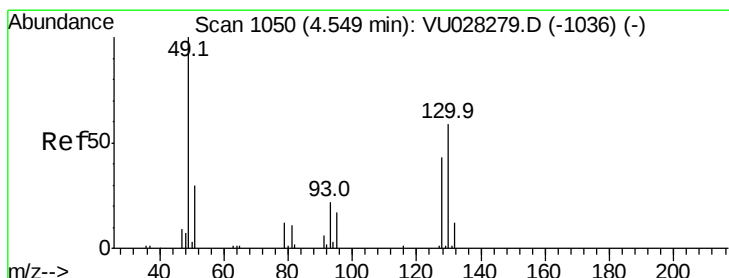
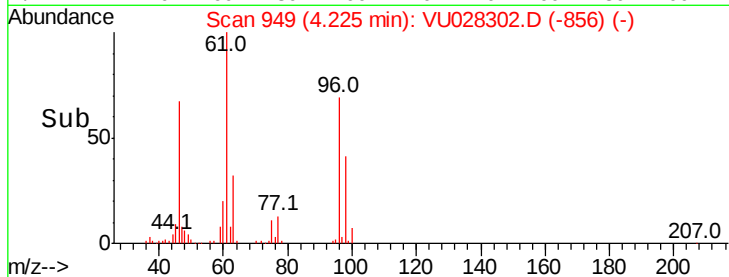
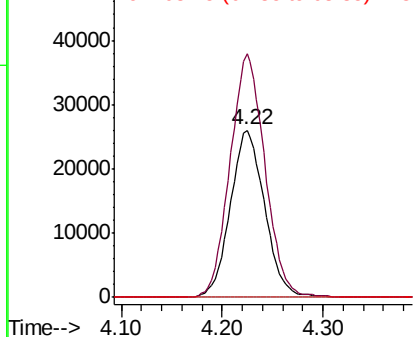


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

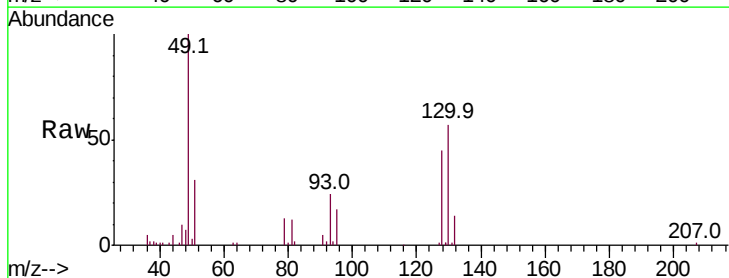
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane
Concen: 4.797 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	221.8	162.0	300.8
130	126.5	87.7	162.9
51	68.6	57.6	86.4



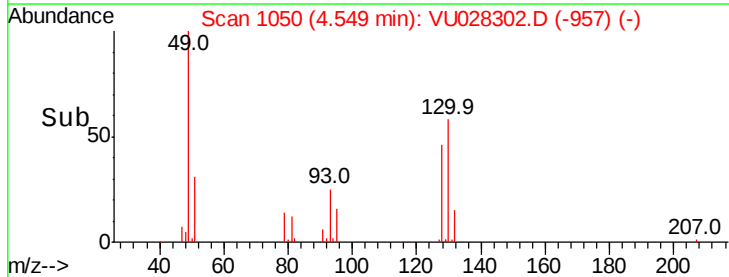
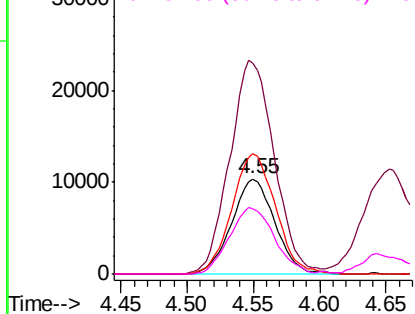
Abundance

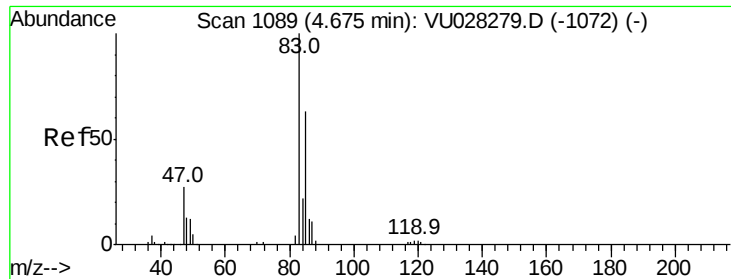
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 4.334 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

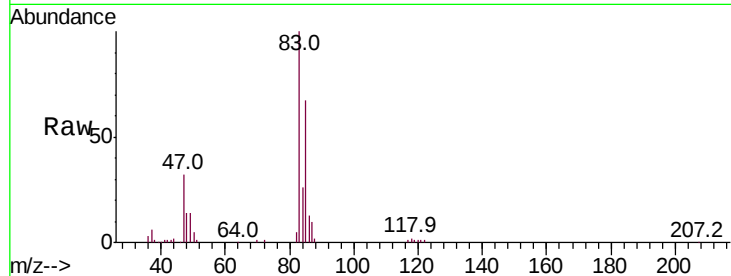
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 114609

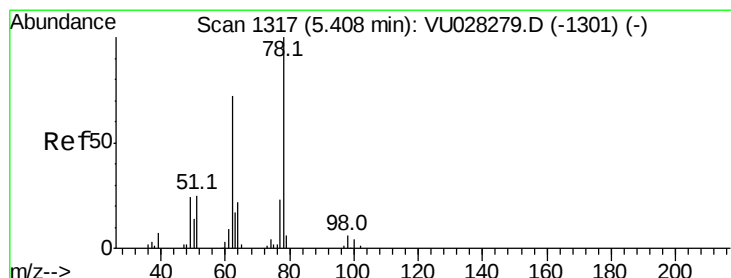
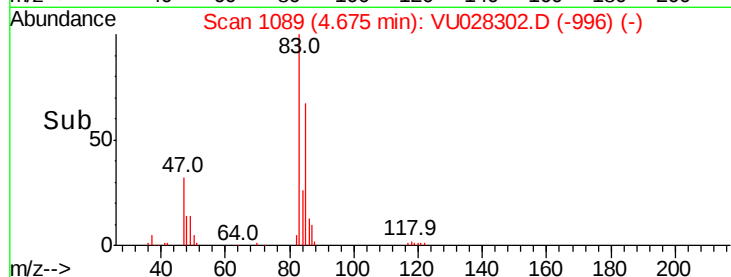
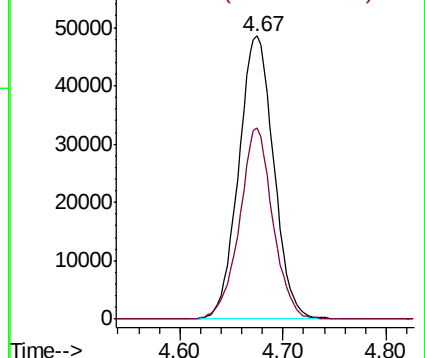
Ion Ratio Lower Upper

83 100

85 67.4 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 4.967 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU028302.D

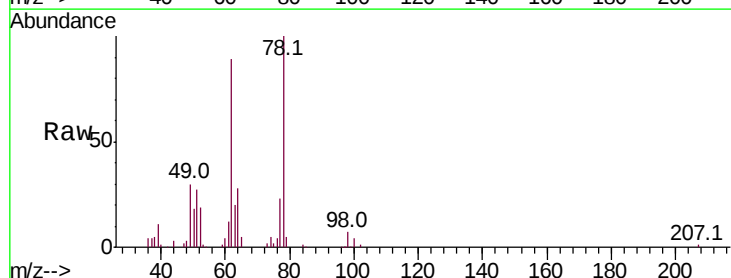
Acq: 21 Nov 2018 00:54

Tgt Ion: 62 Resp: 75087

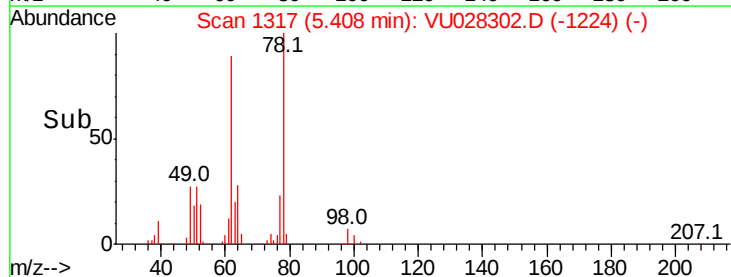
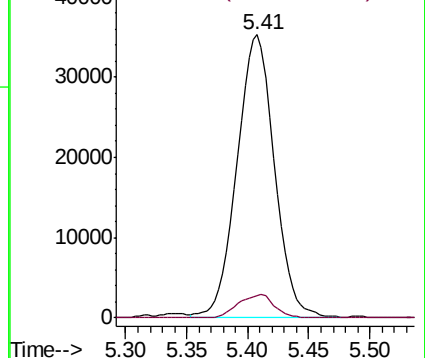
Ion Ratio Lower Upper

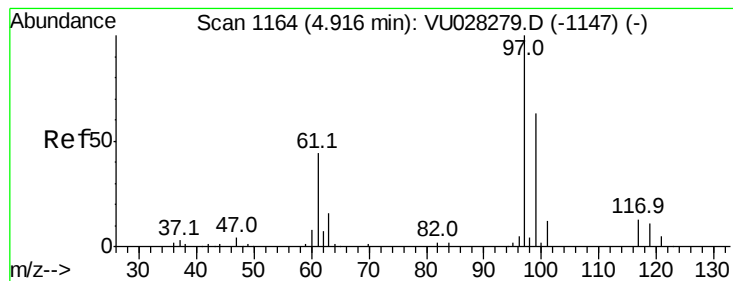
62 100

98 8.0 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#29

1,1,1-Trichloroethane

Concen: 4.905 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :
MSVOA_U
ClientSampled :

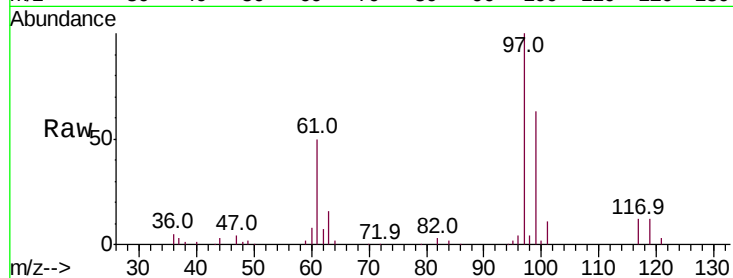
Tot Ion: 97 Resp: 86372

Ion Ratio Lower Upper

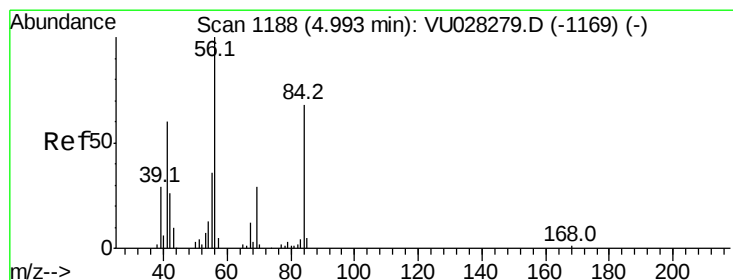
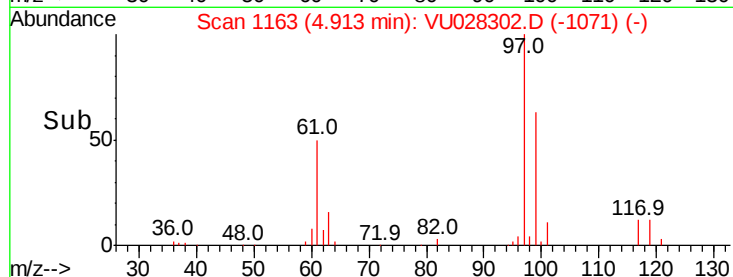
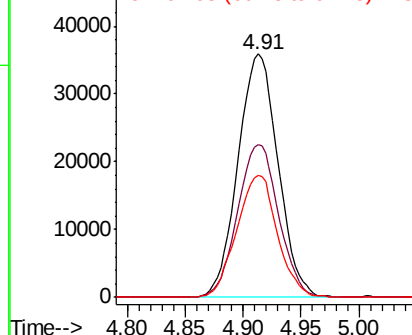
97 100

99 64.2 50.8 76.2

61 50.8 42.6 64.0



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.690 ug/L

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

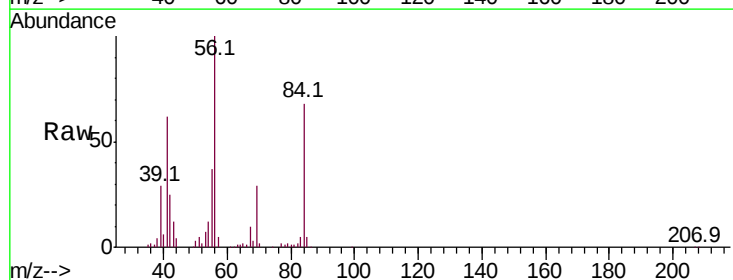
Tgt Ion: 56 Resp: 108091

Ion Ratio Lower Upper

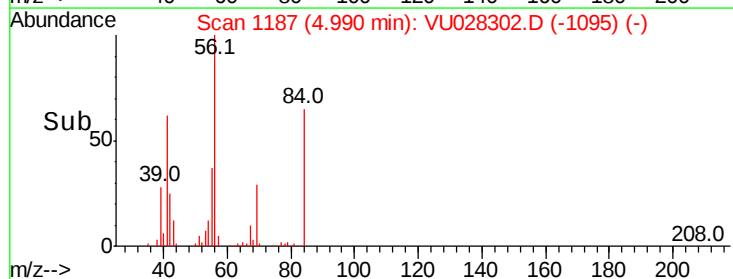
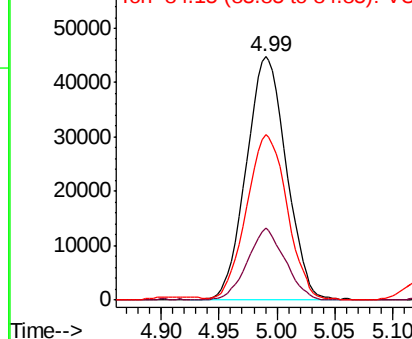
56 100

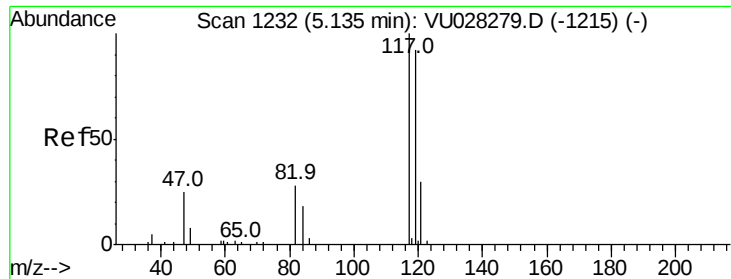
69 27.7 22.0 33.0

84 69.1 56.0 84.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

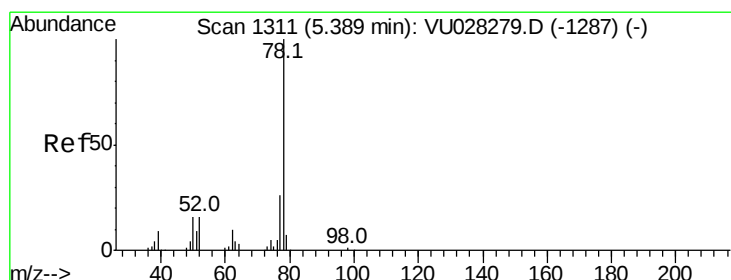
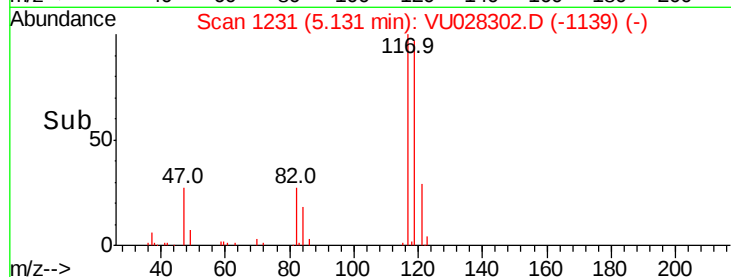
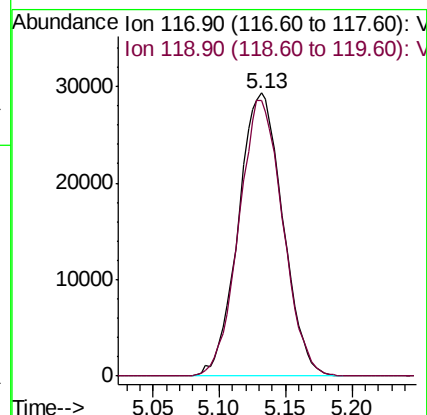
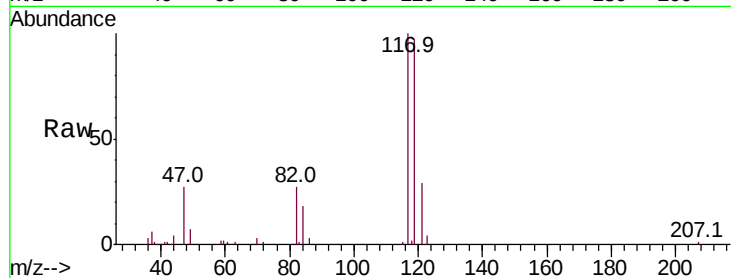




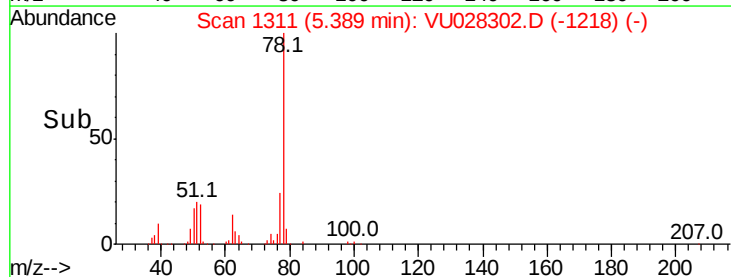
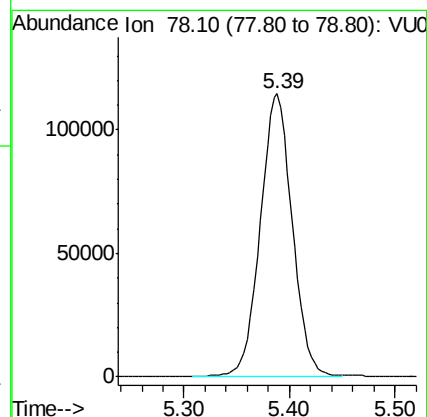
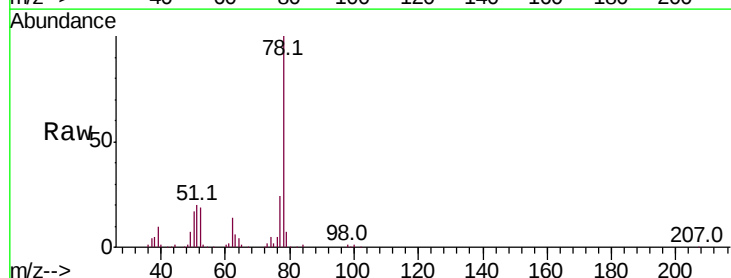
#31
Carbon tetrachloride
Concen: 4.730 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

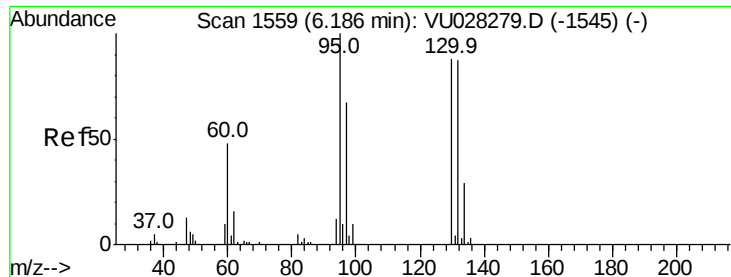
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 68333
Ion Ratio Lower Upper
117 100
119 96.3 75.6 113.4



#33
Benzene
Concen: 4.704 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54
Tgt Ion: 78 Resp: 242416





#34

Trichloroethene

Concen: 4.616 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 58247

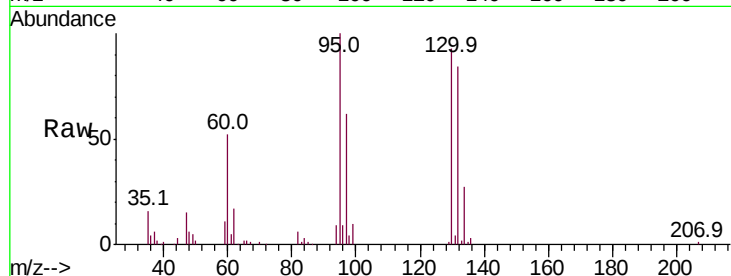
Ion Ratio Lower Upper

95 100

97 61.9 46.5 86.3

132 84.2 58.9 109.3

130 92.6 61.3 113.9

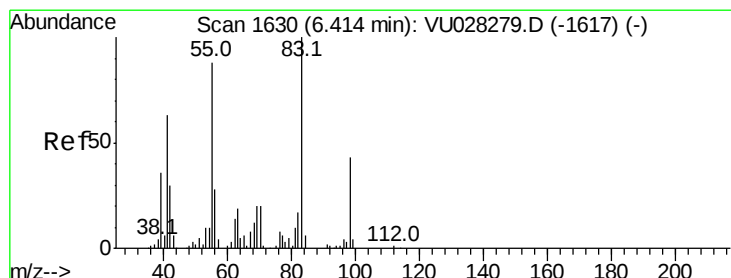
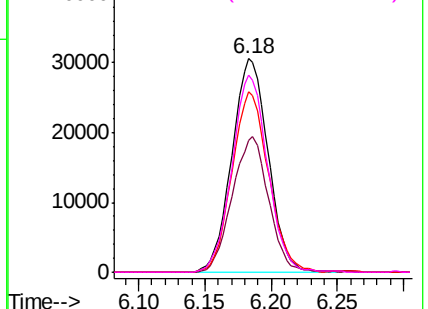
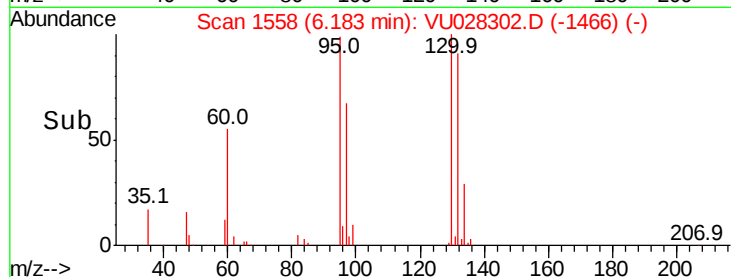


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.550 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

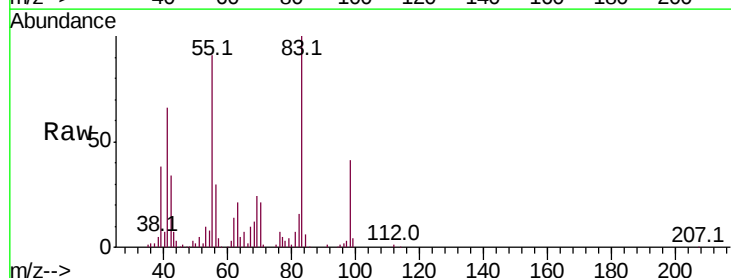
Tgt Ion: 83 Resp: 90450

Ion Ratio Lower Upper

83 100

55 94.9 73.2 109.8

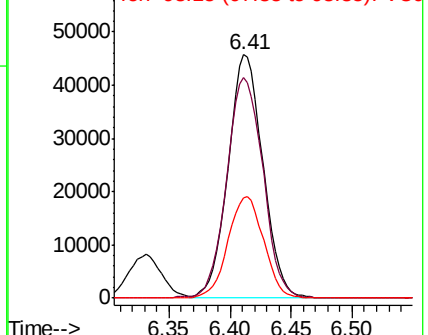
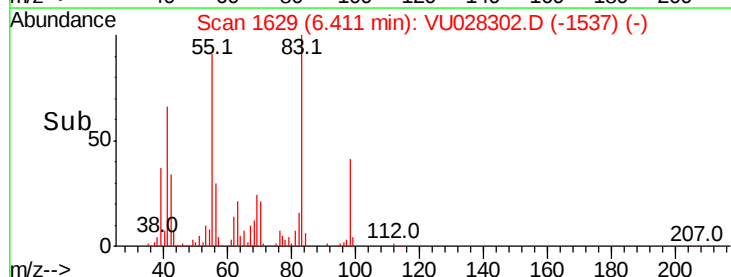
98 42.9 33.4 50.2

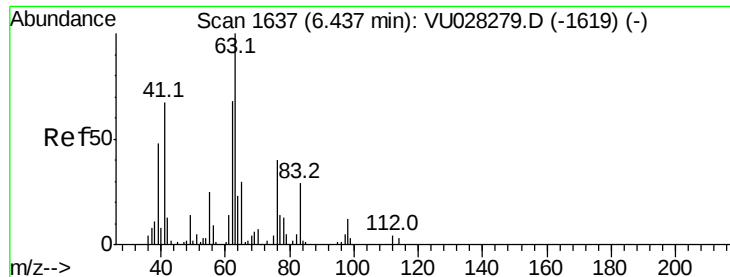


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.902 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

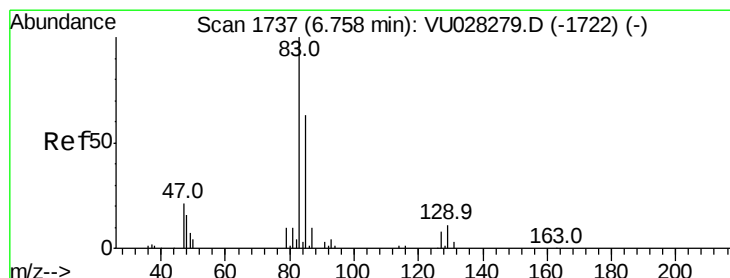
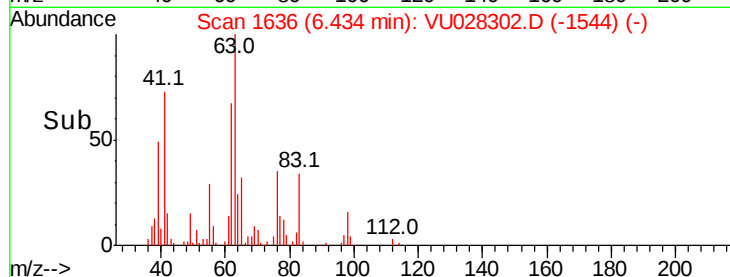
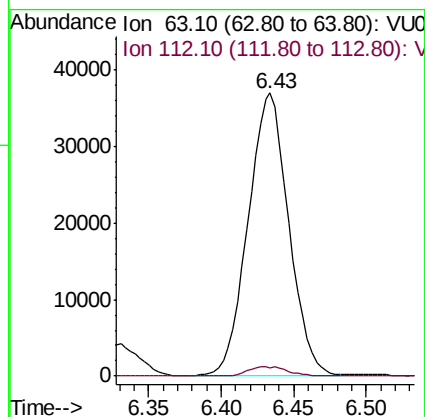
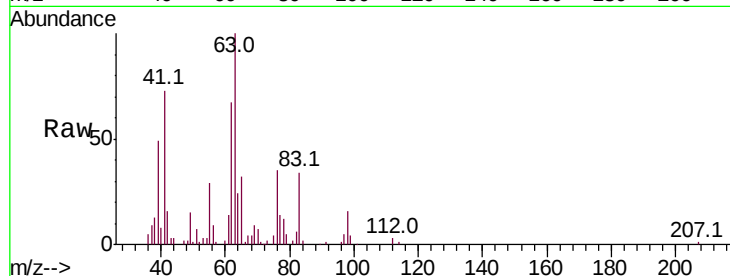
ClientSampleId :

Tot Ion: 63 Resp: 72094

Ion Ratio Lower Upper

63 100

112 3.3 2.2 3.2#



#38

Bromodichloromethane

Concen: 4.948 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

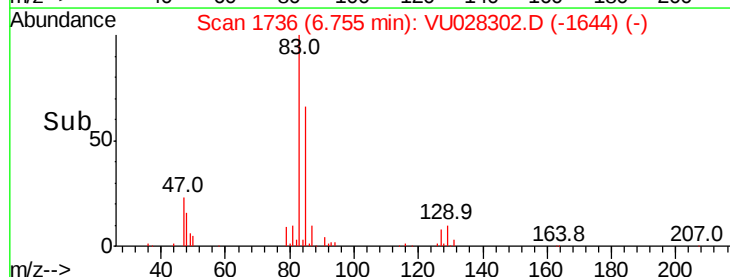
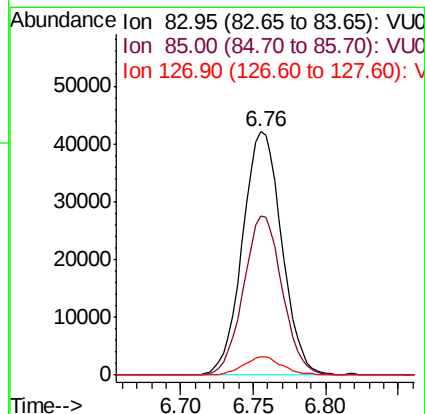
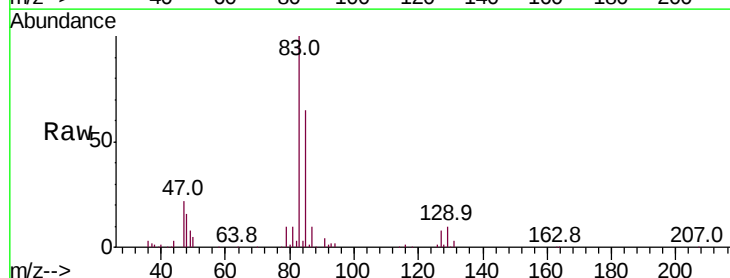
Tgt Ion: 83 Resp: 79352

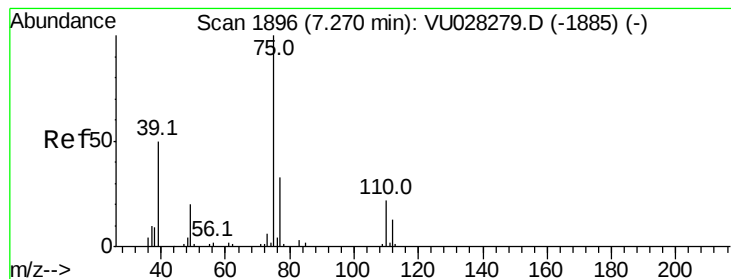
Ion Ratio Lower Upper

83 100

85 65.4 44.2 82.0

127 7.7 6.2 9.4



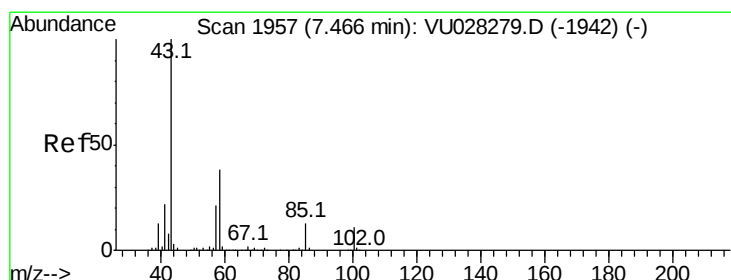
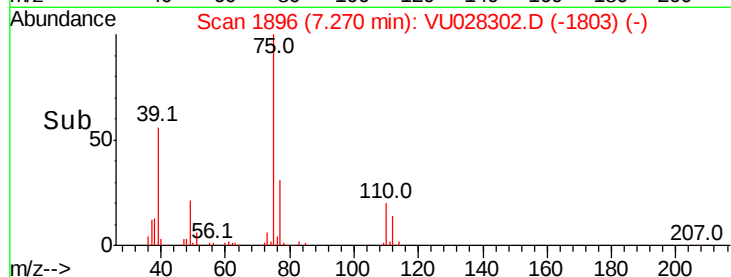
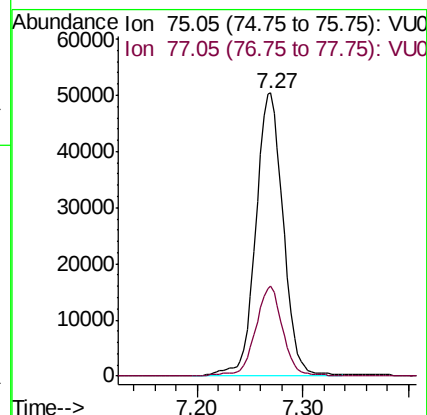
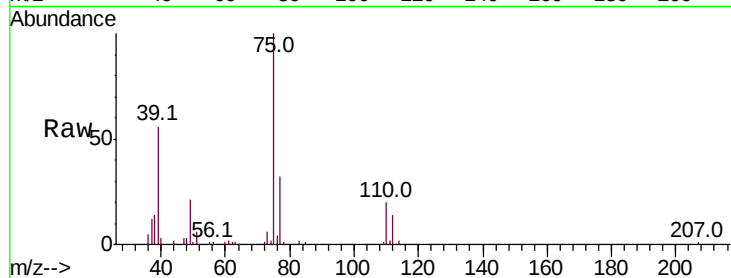


#39

cis-1,3-Dichloropropene
Concen: 4.912 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Instrument :
MSVOA_U
ClientSampled :

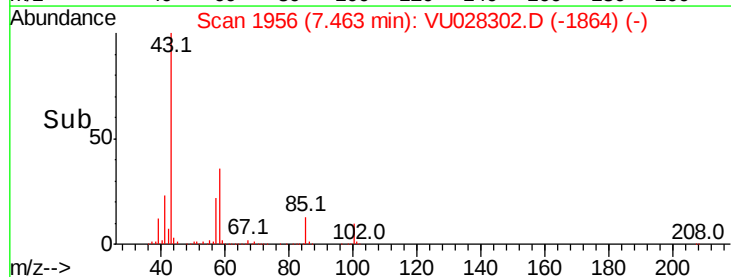
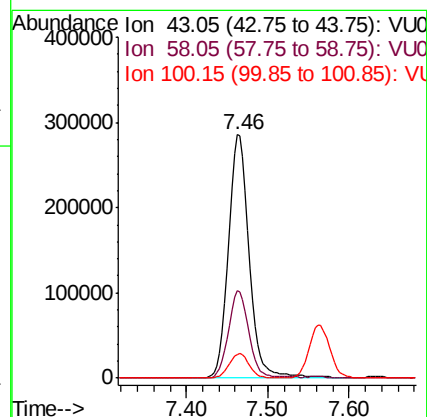
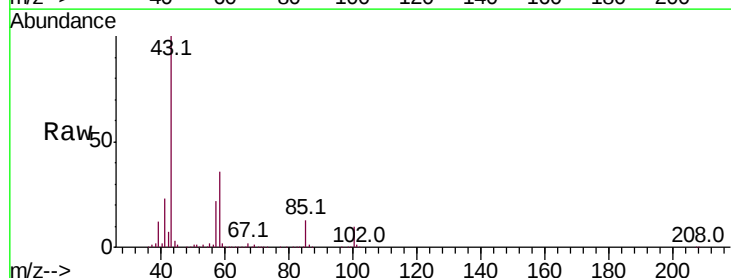
Tot Ion: 75 Resp: 91552
Ion Ratio Lower Upper
75 100
77 31.6 21.7 40.3

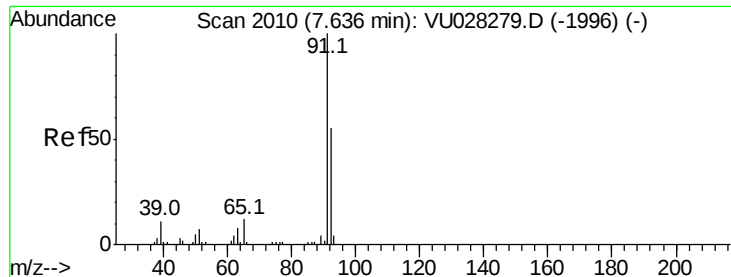


#40

4-Methyl-2-pentanone
Concen: 49.216 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Tgt Ion: 43 Resp: 517453
Ion Ratio Lower Upper
43 100
58 35.3 28.8 43.2
100 9.8 8.0 12.0





#42

Toluene

Concen: 4.870 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

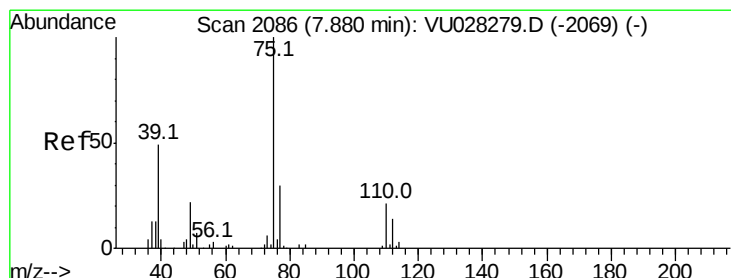
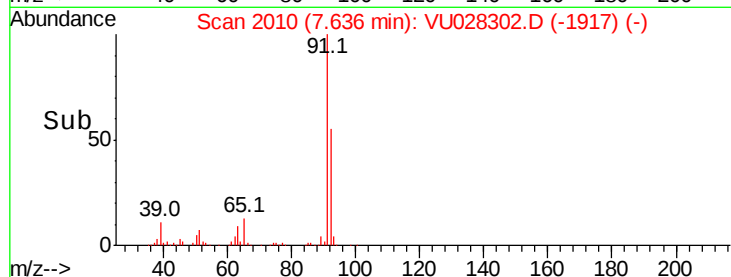
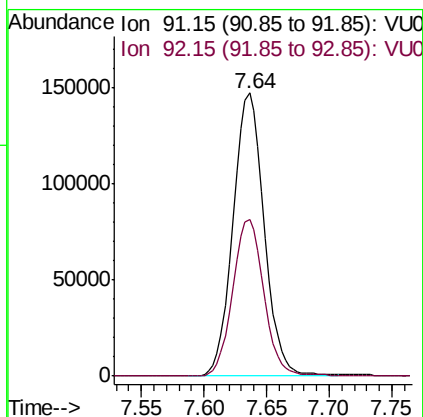
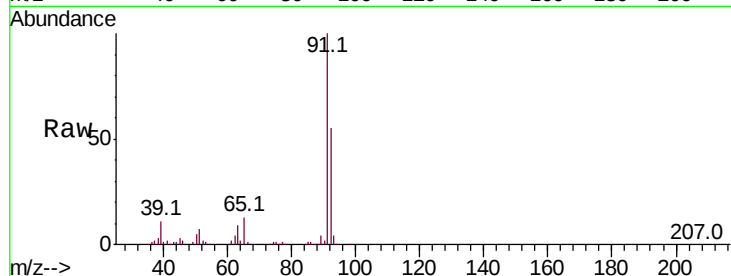
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 254383

Ion Ratio Lower Upper

91 100

92 55.4 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.307 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028302.D

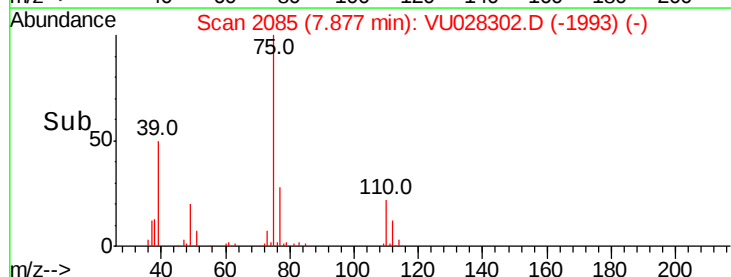
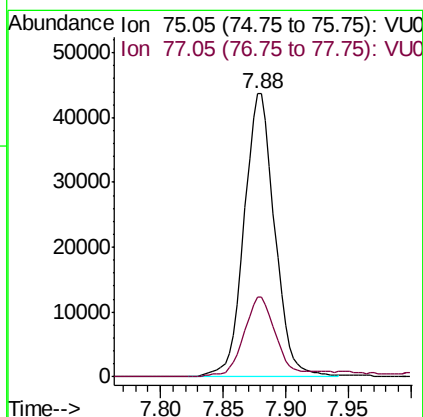
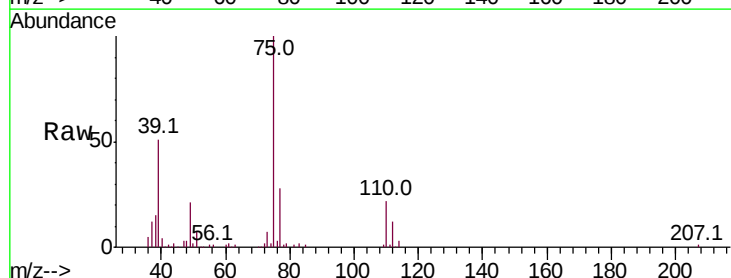
Acq: 21 Nov 2018 00:54

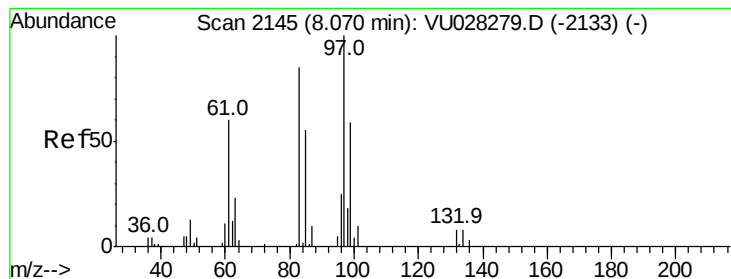
Tgt Ion: 75 Resp: 74406

Ion Ratio Lower Upper

75 100

77 28.2 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 4.676 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 41554

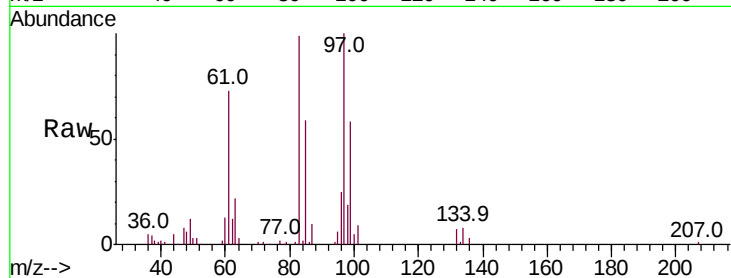
Ion Ratio Lower Upper

97 100

99 57.5 44.2 82.0

83 98.6 63.3 117.5

85 58.8 41.9 77.9

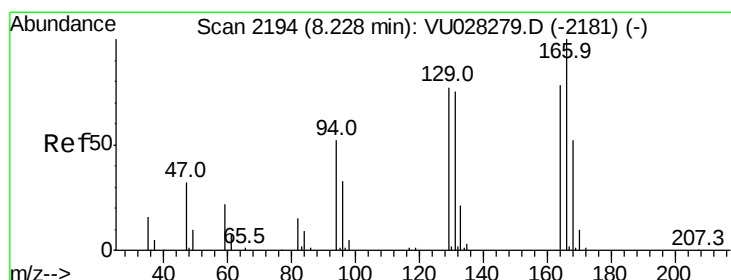
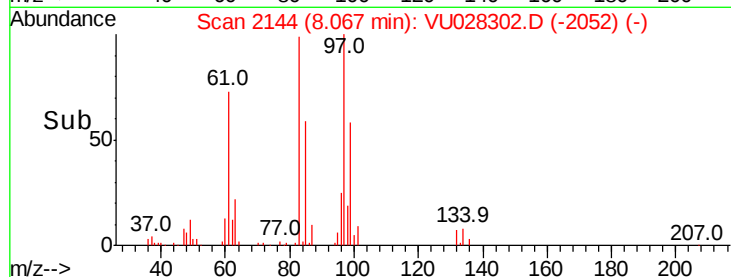
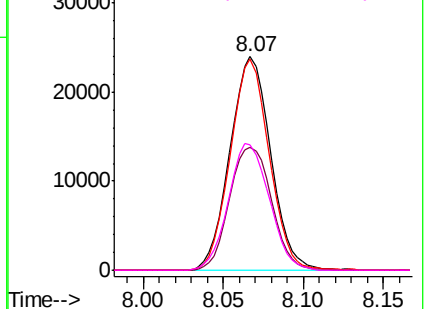


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.536 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Tgt Ion:164 Resp: 39728

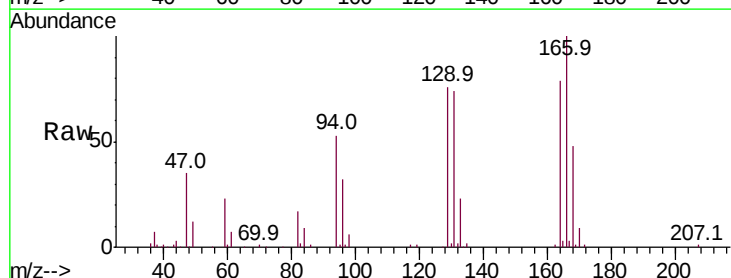
Ion Ratio Lower Upper

164 100

129 95.2 67.6 125.6

131 92.7 66.3 123.1

166 125.9 89.2 165.6

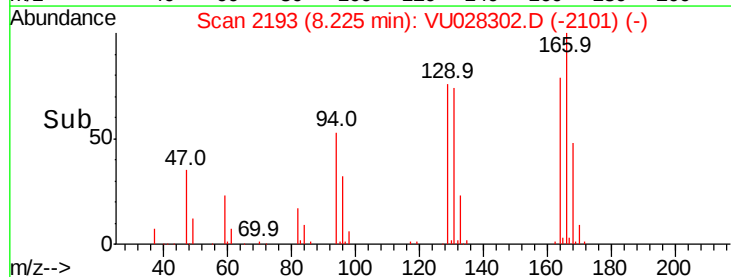
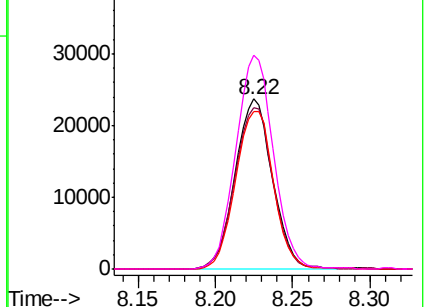


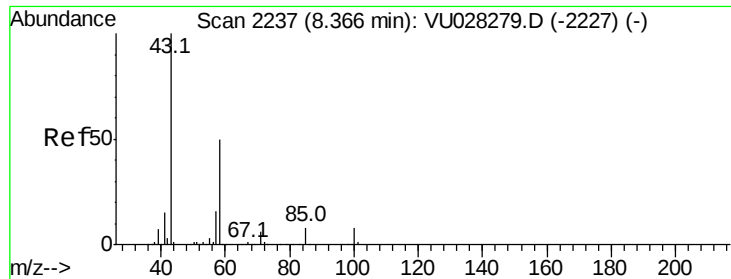
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

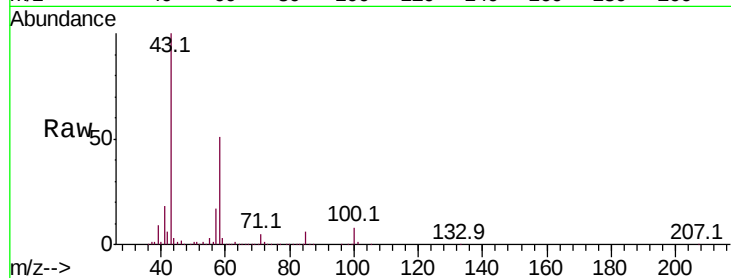




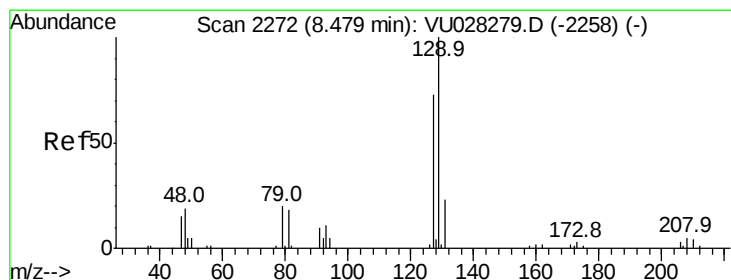
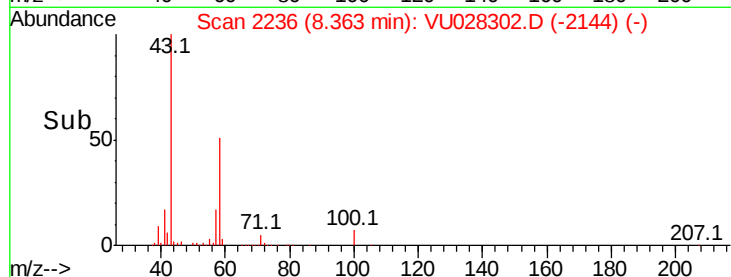
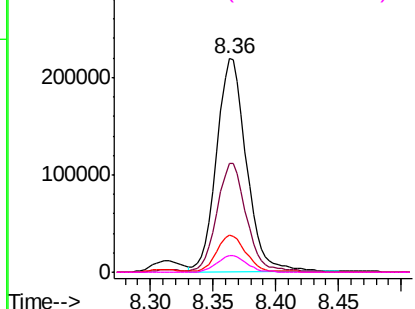
#48
2-Hexanone
Concen: 48.276 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 361894
Ion Ratio Lower Upper
43 100
58 50.6 41.1 61.7
57 17.2 13.8 20.8
100 7.8 6.5 9.7

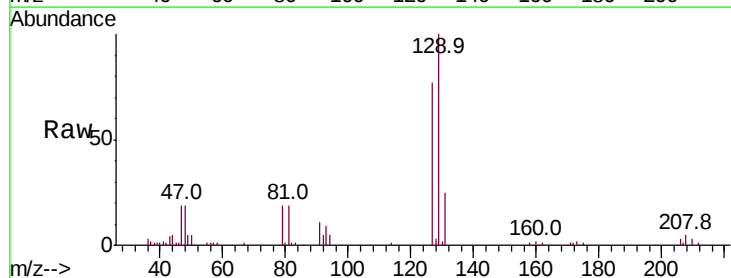


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

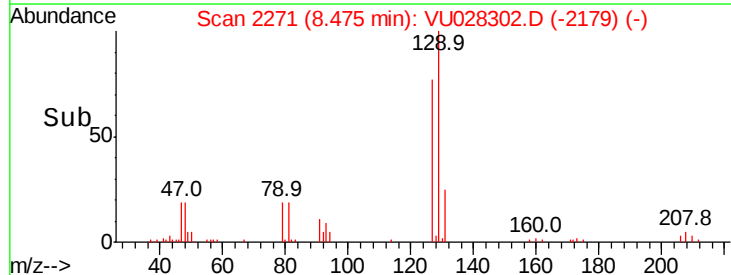
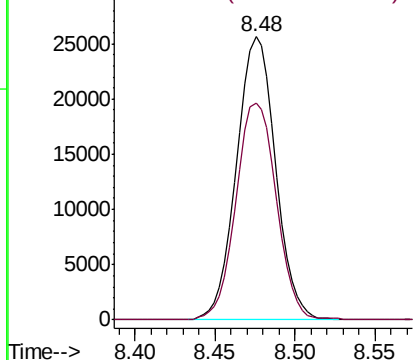


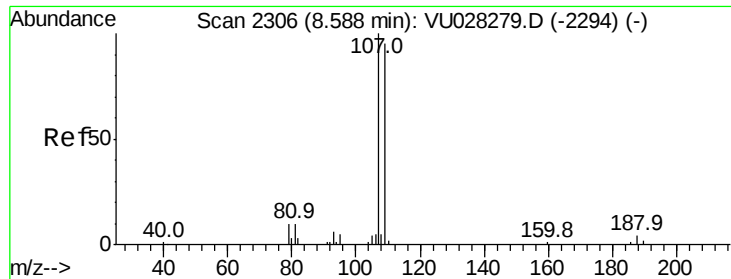
#49
Dibromochloromethane
Concen: 4.740 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028302.D
Acq: 21 Nov 2018 00:54

Tgt Ion: 129 Resp: 42635
Ion Ratio Lower Upper
129 100
127 76.7 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.807 ug/L

RT: 8.58 min Scan# 2305

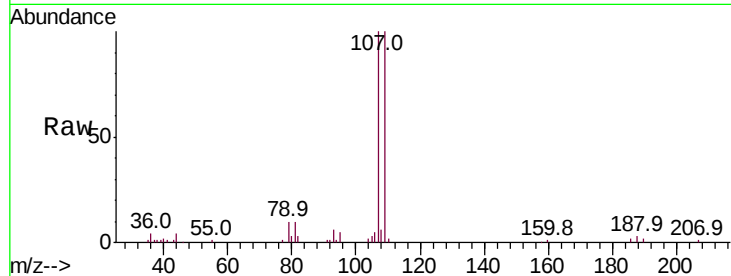
Delta R.T. -0.00 min

Lab File: VU028302.D

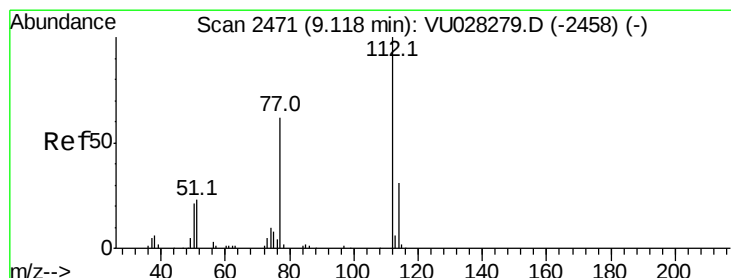
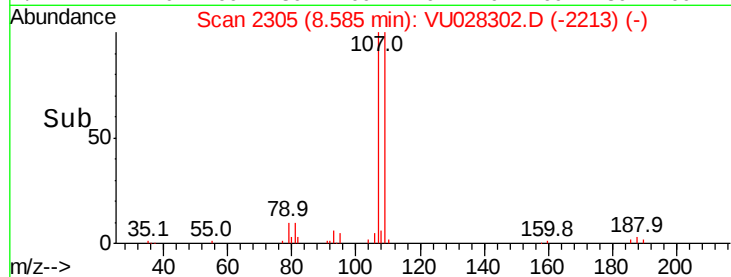
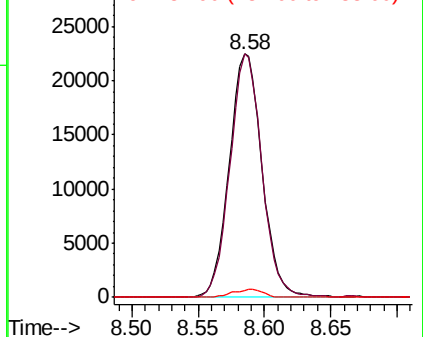
Acq: 21 Nov 2018 00:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	107	Resp:	38607
Ion	Ratio	Lower	Upper
107	100		
109	99.9	63.7	118.3
188	2.8	2.5	3.7



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.821 ug/L

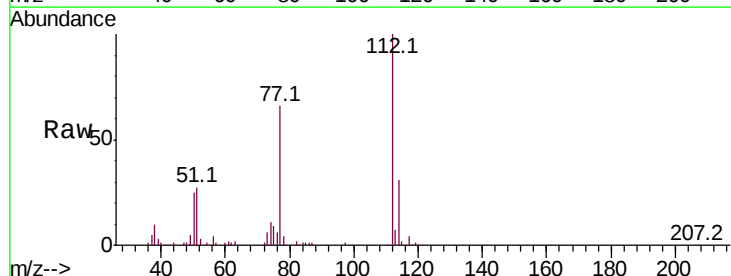
RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

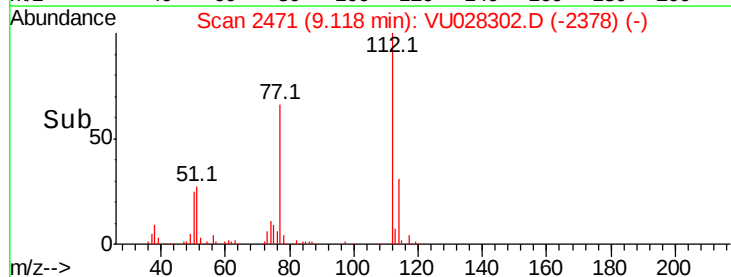
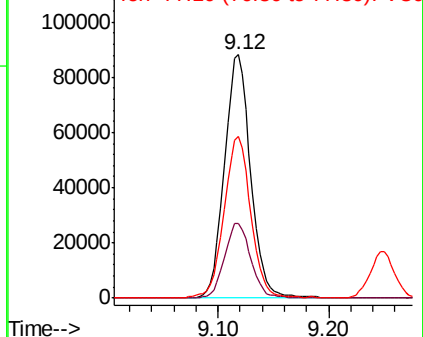
Lab File: VU028302.D

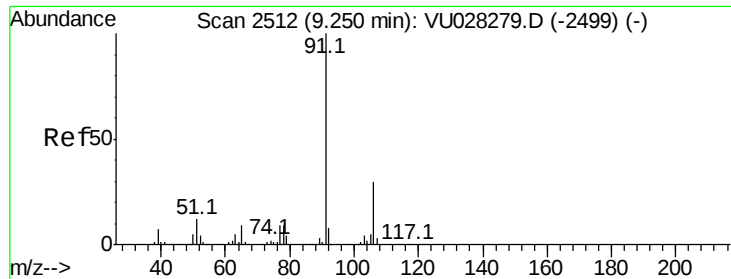
Acq: 21 Nov 2018 00:54

Tgt Ion:	112	Resp:	145044
Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.3	41.5
77	66.4	52.4	78.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.792 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

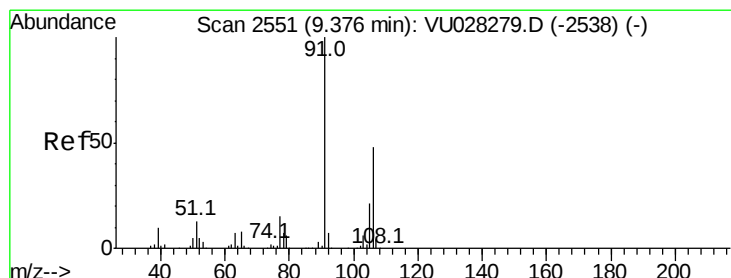
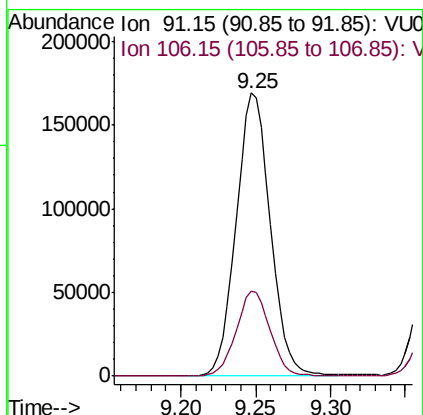
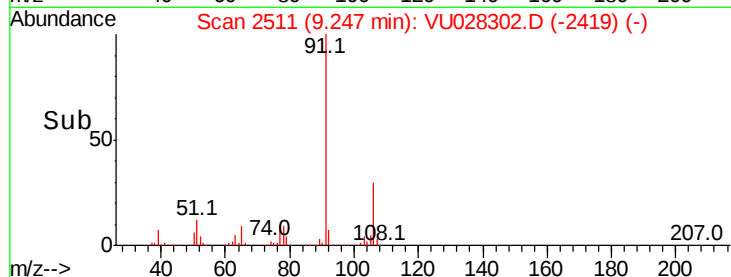
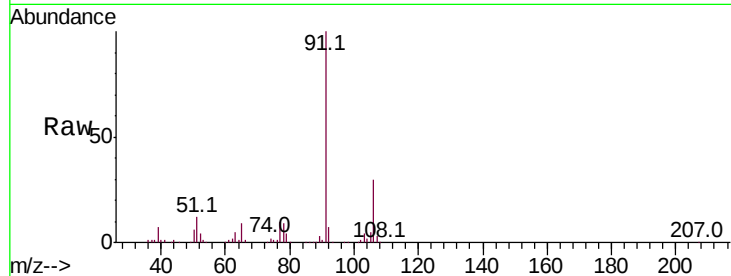
ClientSampleId :

Tot Ion: 91 Resp: 269413

Ion Ratio Lower Upper

91 100

106 30.2 19.3 35.9



#53

m,p-xylene

Concen: 4.994 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028302.D

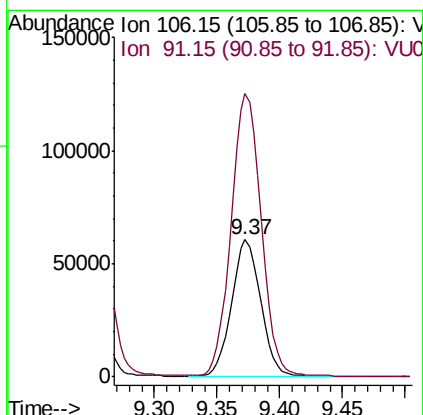
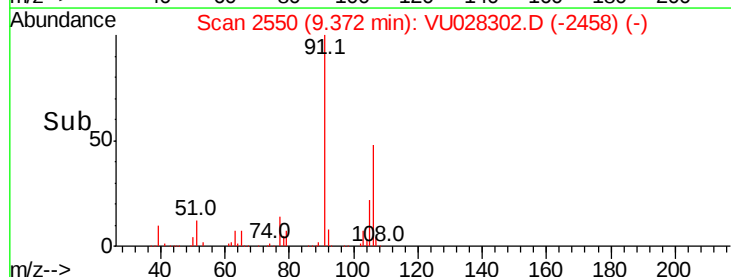
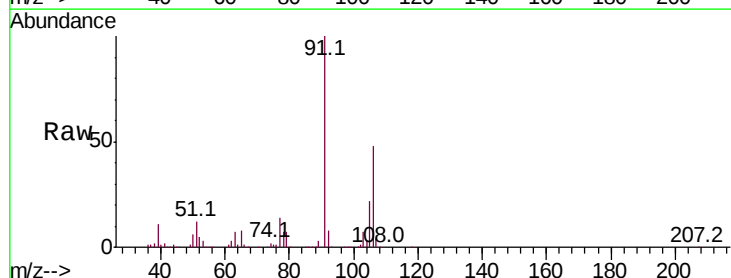
Acq: 21 Nov 2018 00:54

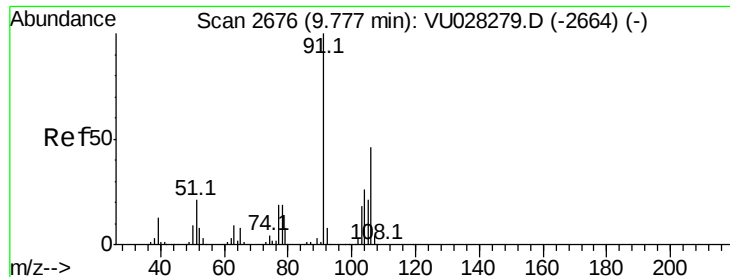
Tgt Ion: 106 Resp: 97417

Ion Ratio Lower Upper

106 100

91 206.8 150.6 279.6





#54

o-xylene

Concen: 4.788 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

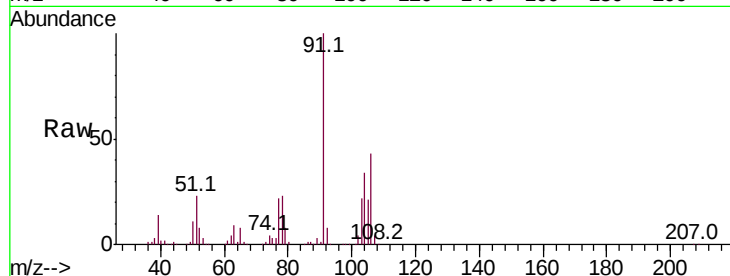
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 93275

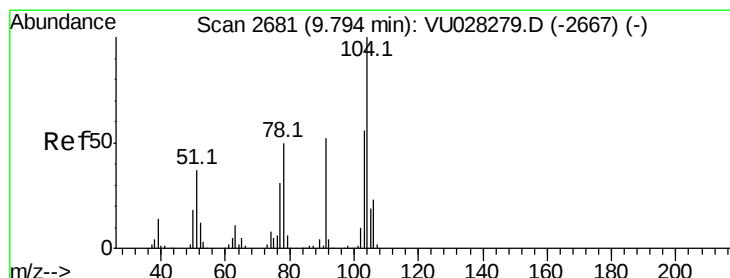
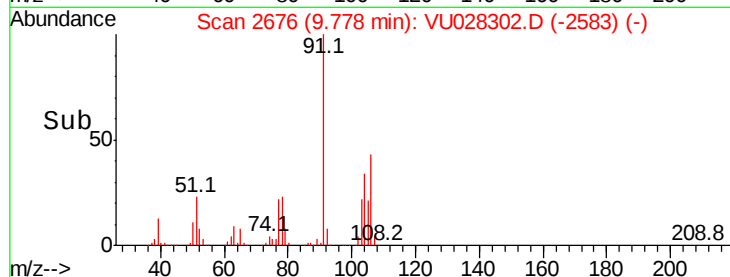
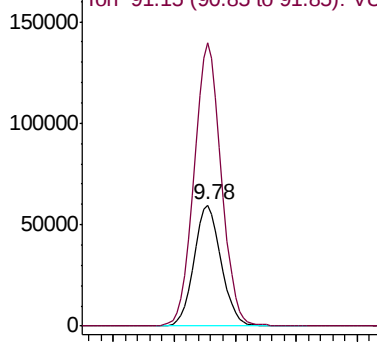
Ion Ratio Lower Upper

106 100

91 233.6 157.5 292.5



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.988 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU028302.D

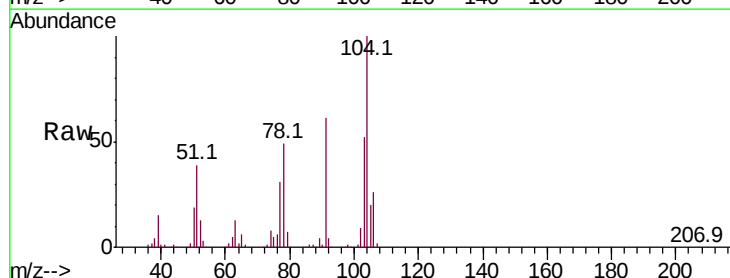
Acq: 21 Nov 2018 00:54

Tgt Ion:104 Resp: 163132

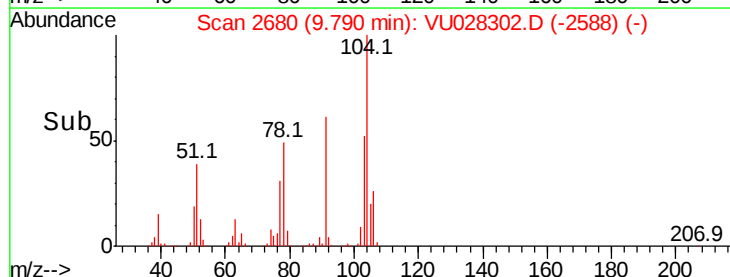
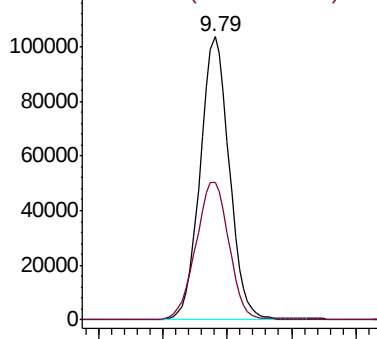
Ion Ratio Lower Upper

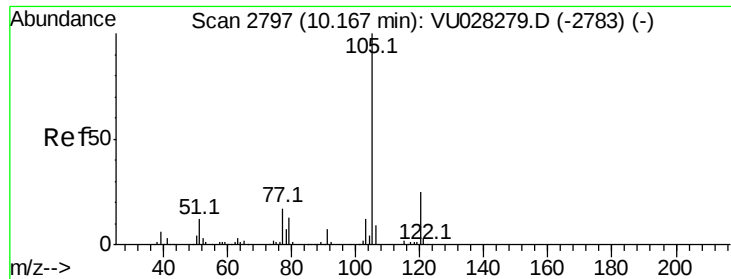
104 100

78 48.7 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.858 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

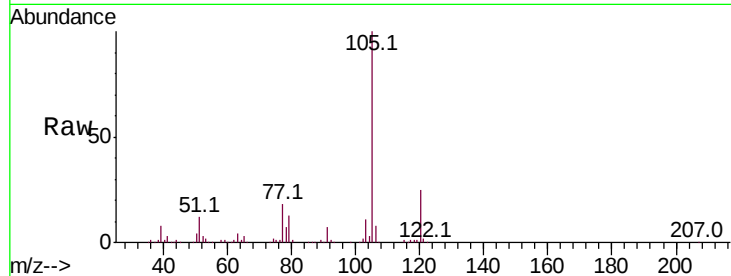
Tot Ion:105 Resp: 253503

Ion Ratio Lower Upper

105 100

120 24.8 20.3 30.5

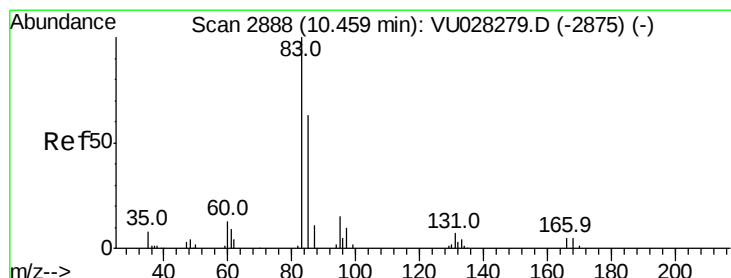
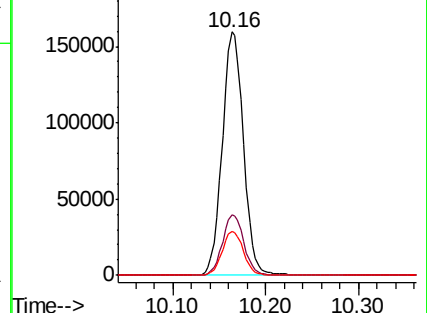
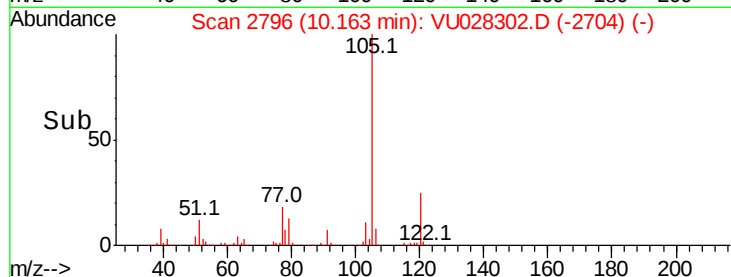
77 18.0 14.5 21.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#58

1,1,2,2-Tetrachloroethane

Concen: 5.009 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

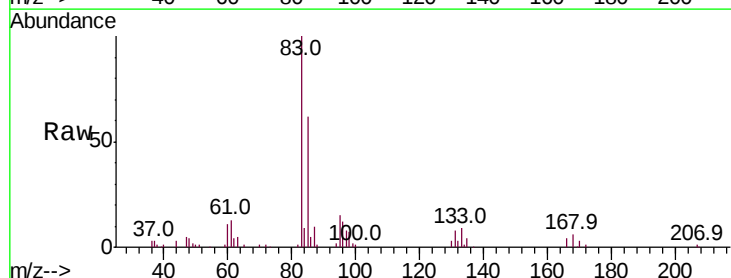
Tgt Ion: 83 Resp: 57209

Ion Ratio Lower Upper

83 100

85 61.8 46.1 85.5

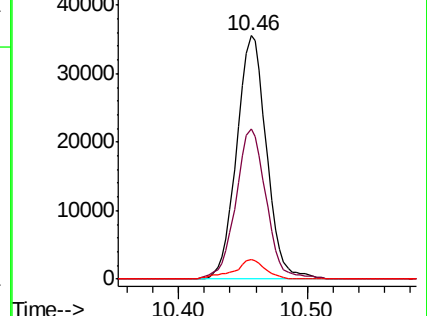
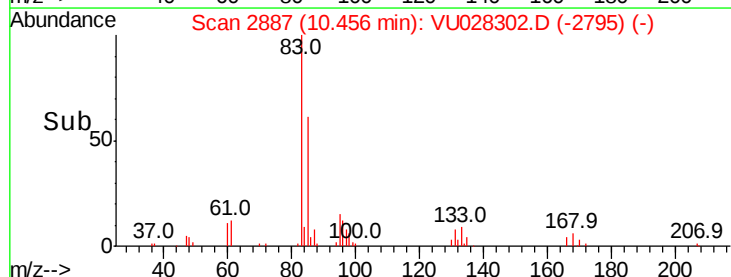
131 8.2 6.2 9.2

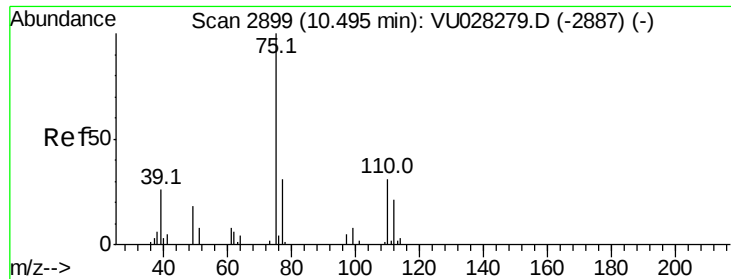


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.819 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

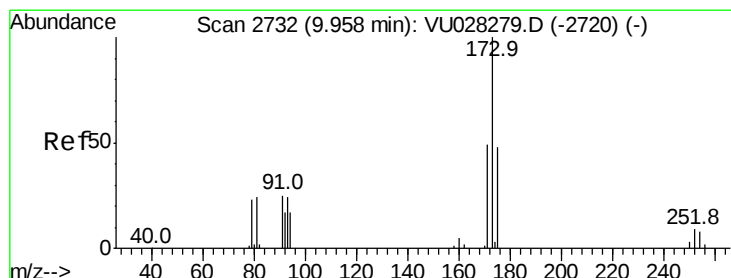
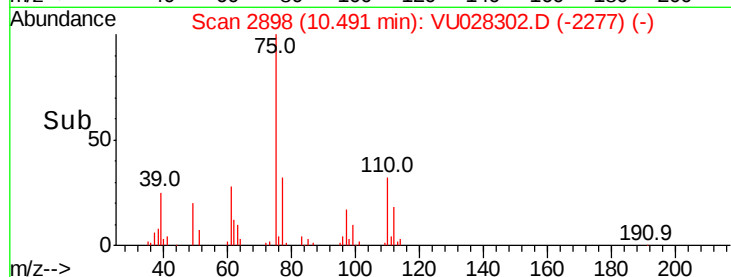
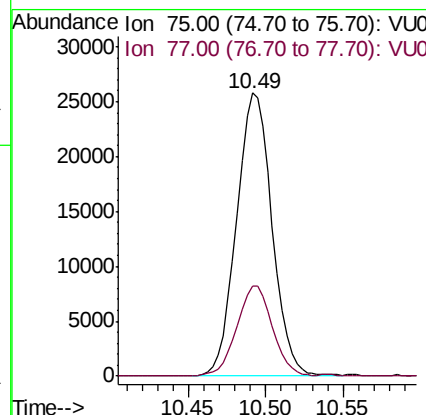
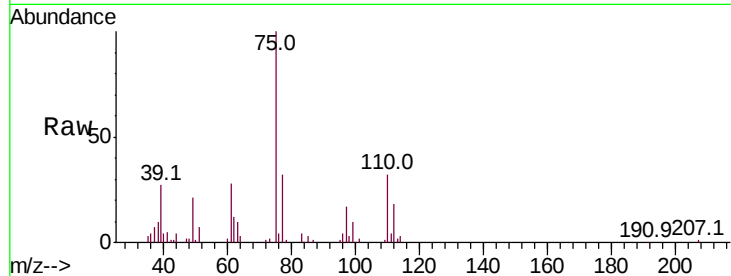
ClientSampled :

Tot Ion: 75 Resp: 40954

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 4.689 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

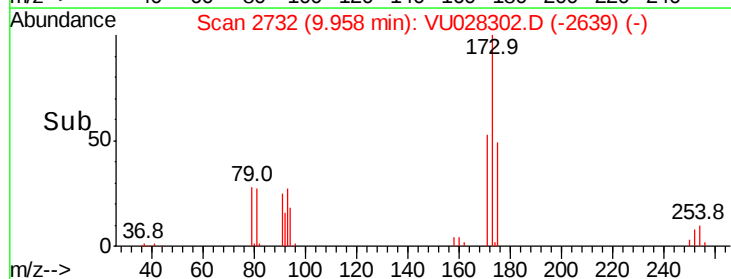
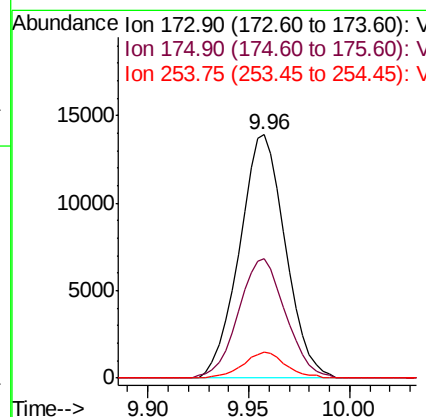
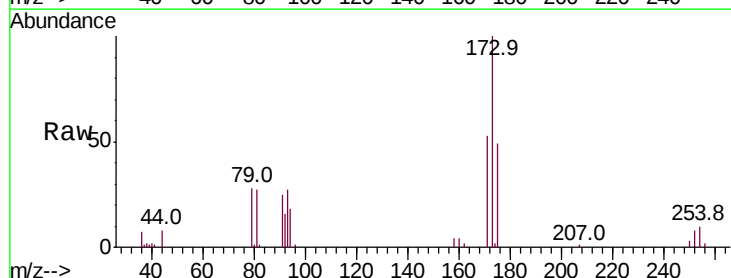
Tgt Ion: 173 Resp: 22174

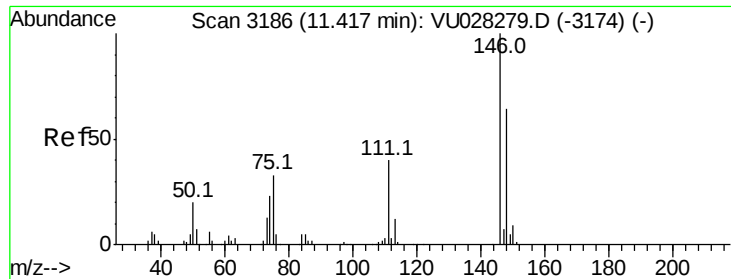
Ion Ratio Lower Upper

173 100

175 50.4 38.7 58.1

254 9.8 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.581 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

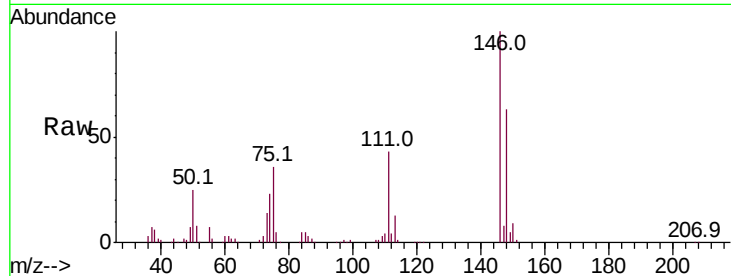
Tot Ion:146 Resp: 103965

Ion Ratio Lower Upper

146 100

111 42.6 30.4 56.4

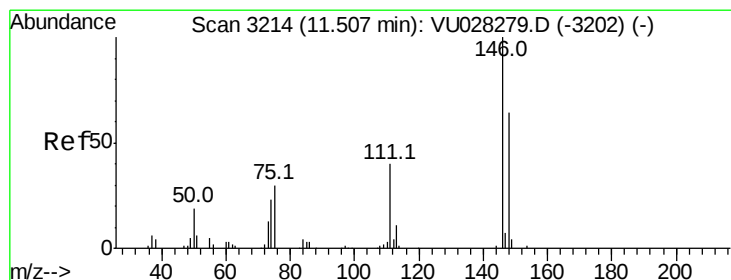
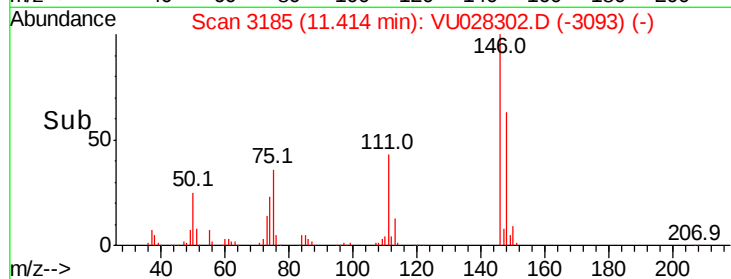
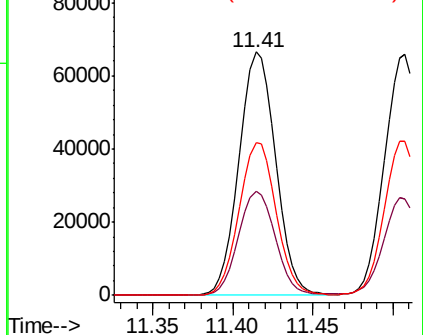
148 63.0 45.3 84.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.529 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

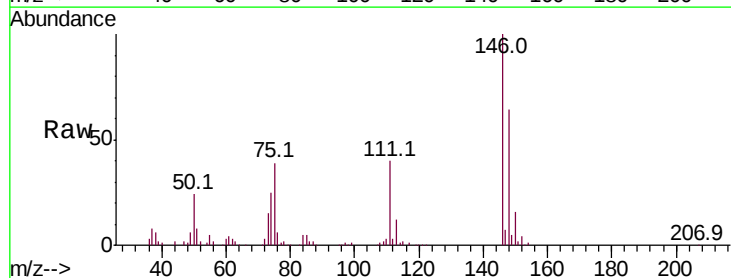
Tgt Ion:146 Resp: 104880

Ion Ratio Lower Upper

146 100

111 40.1 28.9 53.7

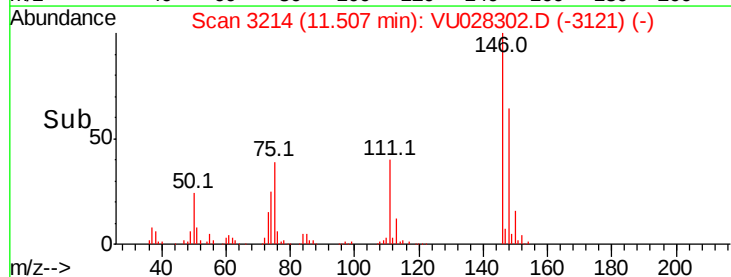
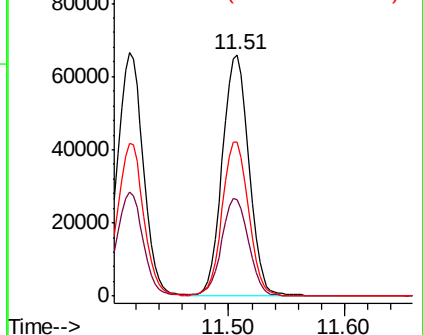
148 63.6 44.5 82.7

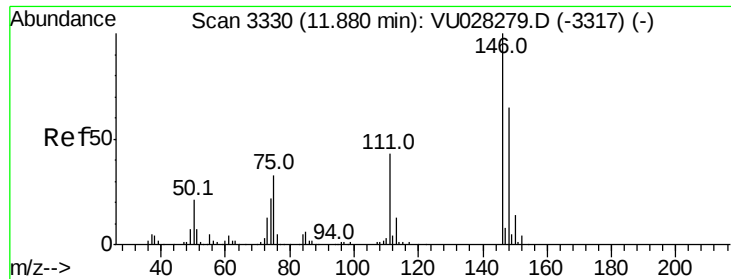


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

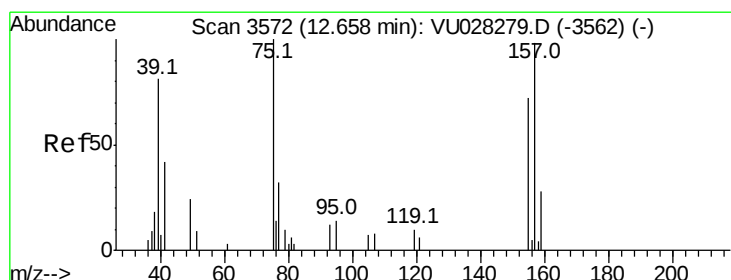
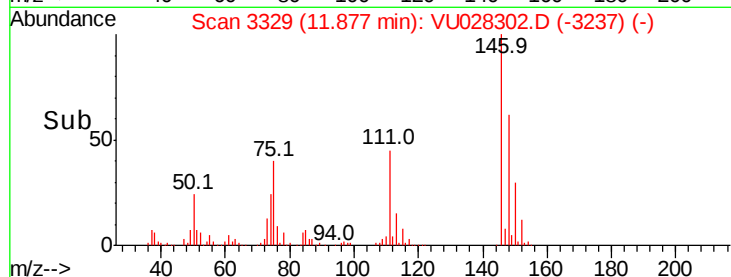
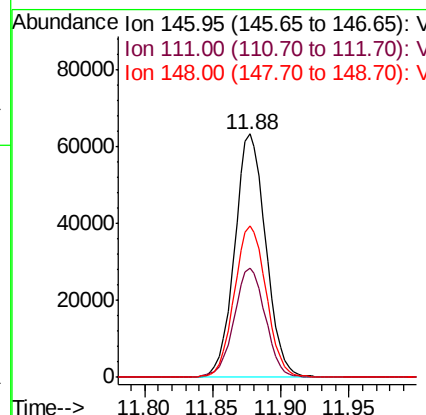
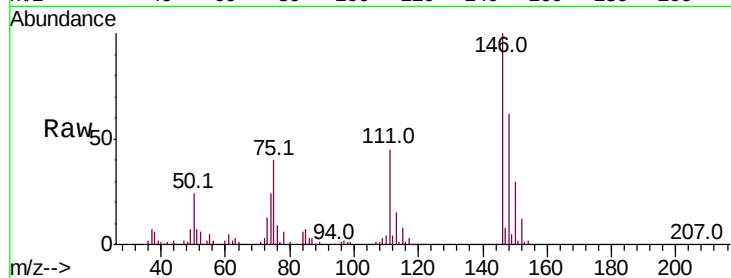




#65
 1,2-Dichlorobenzene
 Concen: 4.507 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028302.D
 Acq: 21 Nov 2018 00:54

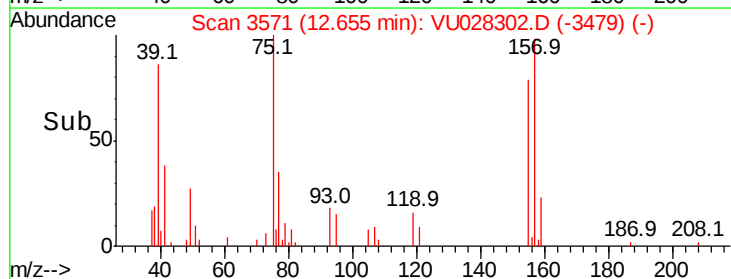
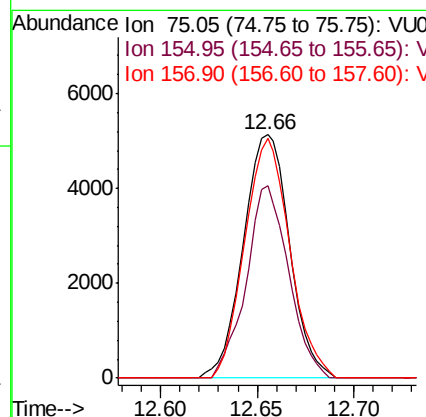
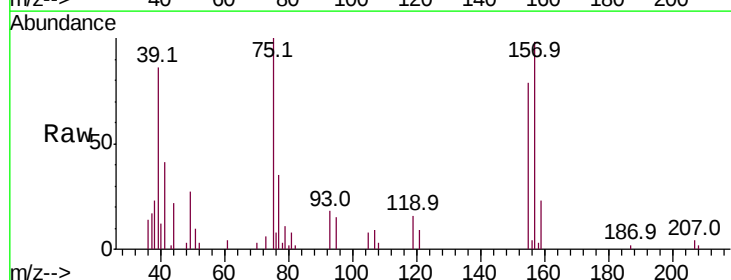
Instrument :
 MSVOA_U
 ClientSampled :

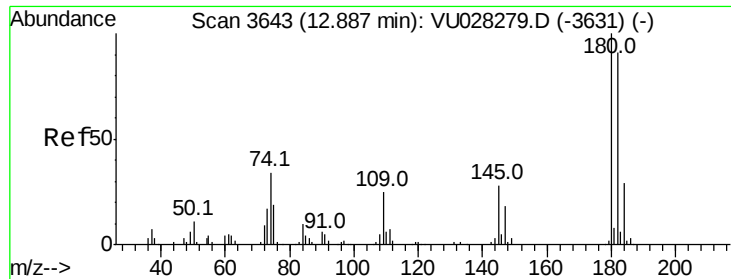
Tot Ion:146 Resp: 100297
 Ion Ratio Lower Upper
 146 100
 111 44.9 34.7 52.1
 148 62.2 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.933 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028302.D
 Acq: 21 Nov 2018 00:54

Tgt Ion: 75 Resp: 8552
 Ion Ratio Lower Upper
 75 100
 155 79.1 46.1 69.1#
 157 98.3 67.0 100.6

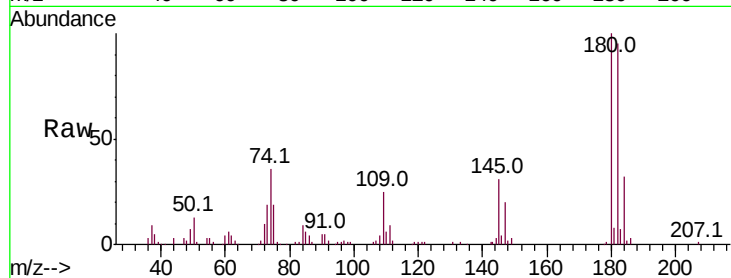




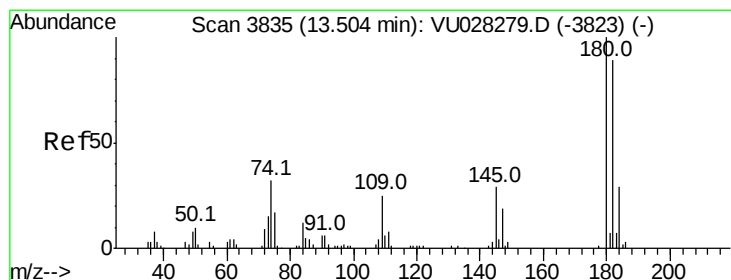
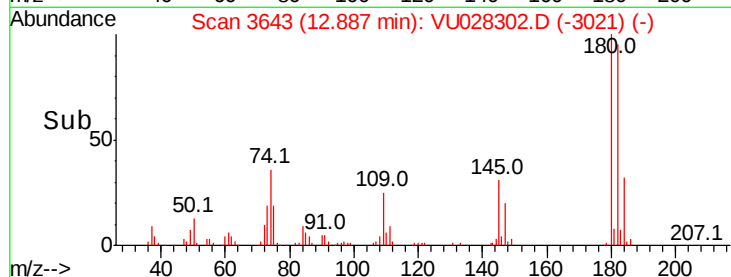
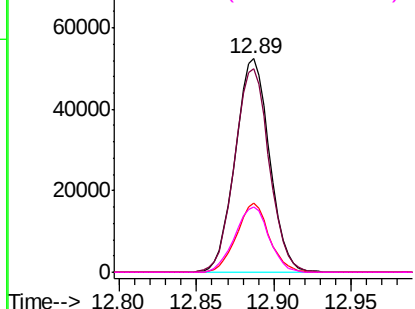
#67
 1,3,5-Trichlorobenzene
 Concen: 4.642 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028302.D
 Acq: 21 Nov 2018 00:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	80588
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.5	116.3
184	30.6	23.7	35.5
145	30.6	24.2	36.4

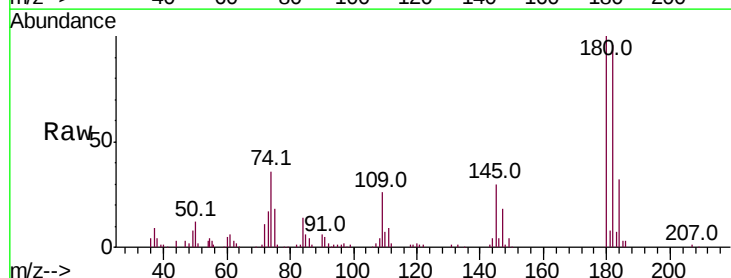


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

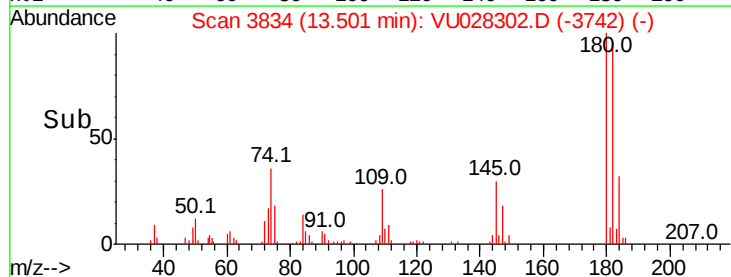
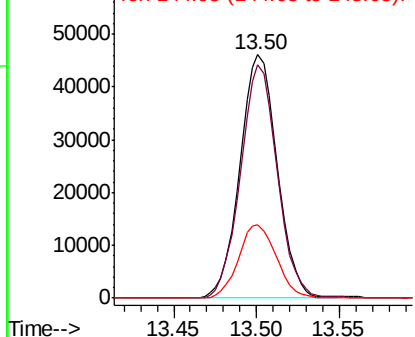


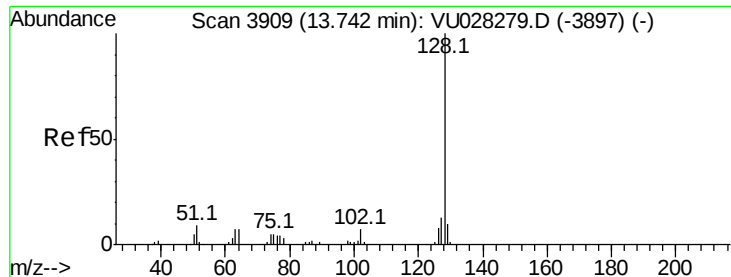
#68
 1,2,4-trichlorobenzene
 Concen: 4.968 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028302.D
 Acq: 21 Nov 2018 00:54

Tgt Ion:	180	Resp:	72064
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.2
145	30.6	24.5	36.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.443 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

Instrument :

MSVOA_U

ClientSampleId :

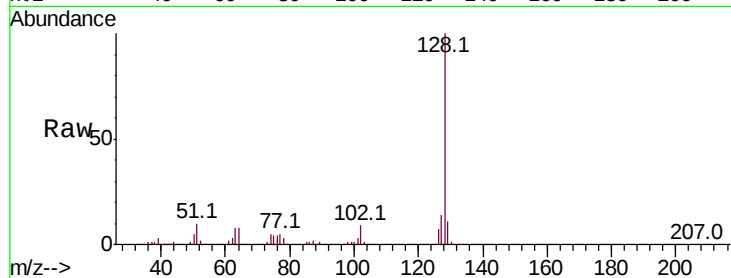
Tot Ion:128 Resp: 140328

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

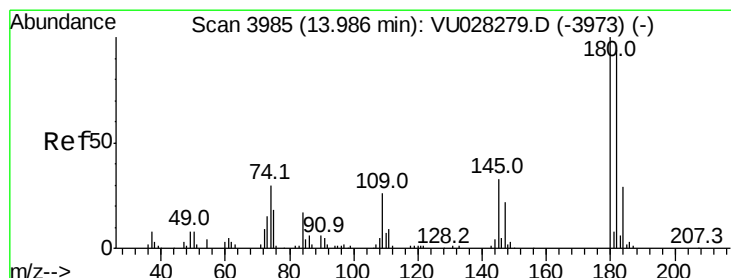
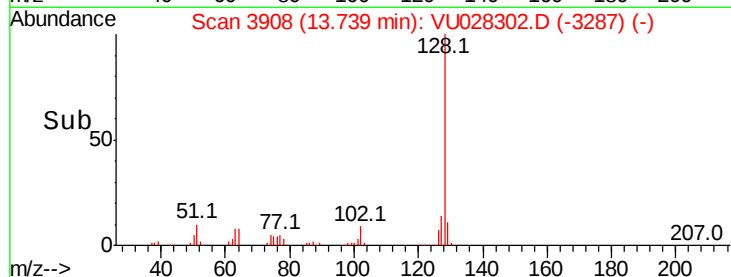
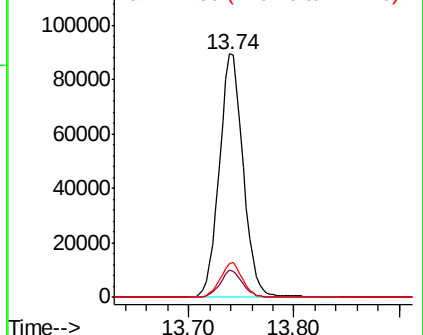
127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.878 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028302.D

Acq: 21 Nov 2018 00:54

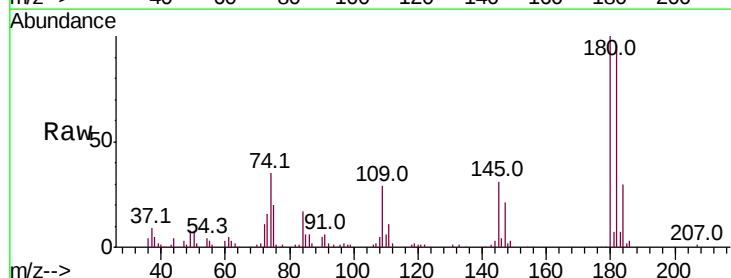
Tgt Ion:180 Resp: 67022

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 31.4 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

