

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026356.D
 Acq On : 25 Aug 2018 00:05
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 04:29:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	320843	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	315448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	167891	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	86818	44.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.72%
7) Chloroethane-d5	1.68	69	74915	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.90%
11) 1,1-Dichloroethene-d2	2.27	63	178725	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
21) 2-Butanone-d5	4.18	46	145617	93.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.23%
24) Chloroform-d	4.65	84	210961	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	5.31	65	136257	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
32) Benzene-d6	5.34	84	403912	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
36) 1,2-Dichloropropane-d6	6.33	67	129951	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	7.57	98	387284	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%
43) trans-1,3-Dichloropropene-	7.85	79	62726	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.31	63	107728	93.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	189001	47.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	168032	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	116777	46.352	ug/L 98
3) Chloromethane	1.33	50	110676	47.649	ug/L 100
5) Vinyl chloride	1.40	62	112598	48.114	ug/L 96
6) Bromomethane	1.63	94	66392	45.627	ug/L 94
8) Chloroethane	1.70	64	64087	47.754	ug/L 99
9) Trichlorofluoromethane	1.89	101	161912	48.848	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	87304	47.468	ug/L 99
12) 1,1-Dichloroethene	2.28	96	80315	47.562	ug/L 95
13) Acetone	2.32	43	93969	77.738	ug/L 99
14) Carbon disulfide	2.48	76	289449	44.680	ug/L 99
15) Methyl Acetate	2.62	43	107638	46.270	ug/L 100
16) Methylene chloride	2.70	84	109307	48.100	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	96843	46.527	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	300334	48.165	ug/L 99
19) 1,1-Dichloroethane	3.45	63	183783	48.486	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	119659	52.082	ug/L 94
22) 2-Butanone	4.27	43	142673	88.220	ug/L 96

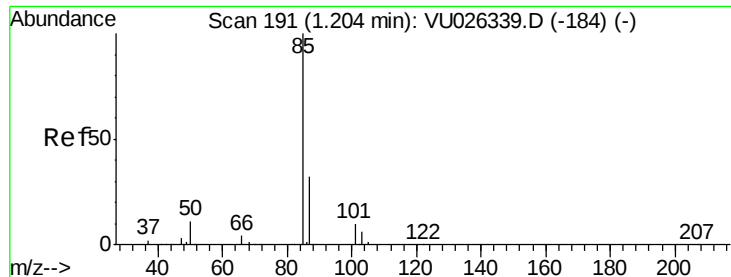
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
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 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	59291	48.255	ug/L	95
25) Chloroform	4.68	83	195550	48.326	ug/L	95
27) 1,2-Dichloroethane	5.41	62	155556	48.258	ug/L	99
29) Cyclohexane	5.00	56	152729	47.211	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	175459	47.873	ug/L	99
31) Carbon tetrachloride	5.14	117	161435	46.850	ug/L	98
33) Benzene	5.39	78	410196	47.697	ug/L	100
34) Trichloroethene	6.19	95	107863	47.431	ug/L	97
35) Methylcyclohexane	6.42	83	163692	47.072	ug/L	99
37) 1,2-Dichloropropane	6.44	63	112148	47.716	ug/L	100
38) Bromodichloromethane	6.76	83	146483	46.610	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	158770	44.473	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	267118	89.675	ug/L	100
42) Toluene	7.64	91	443576	48.476	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	158743	46.213	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	107025	48.204	ug/L	99
46) Tetrachloroethene	8.23	164	91326	46.672	ug/L	97
48) 2-Hexanone	8.36	43	209489	87.388	ug/L	98
49) Dibromochloromethane	8.48	129	128379	47.048	ug/L	99
50) 1,2-Dibromoethane	8.59	107	116110	47.381	ug/L	97
51) Chlorobenzene	9.12	112	290252	46.376	ug/L	99
52) Ethylbenzene	9.25	91	476816	47.840	ug/L	99
53) m,p-Xylene	9.38	106	187203	48.595	ug/L	96
54) o-xylene	9.78	106	182621	48.601	ug/L	98
55) Styrene	9.80	104	319970	49.886	ug/L	98
56) Isopropylbenzene	10.17	105	475403	48.770	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	175908	46.813	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	137300	46.859	ug/L	99
61) Bromoform	9.96	173	98006	47.123	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	230165	46.507	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	246893	47.213	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	248131	47.668	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	37379	42.984	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	185378	47.718	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	160863	47.434	ug/L	100
69) Naphthalene	13.74	128	493262	48.823	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	178377	49.368	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 46.352 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

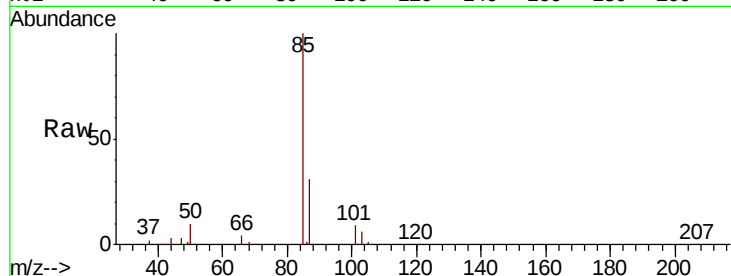
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 116777

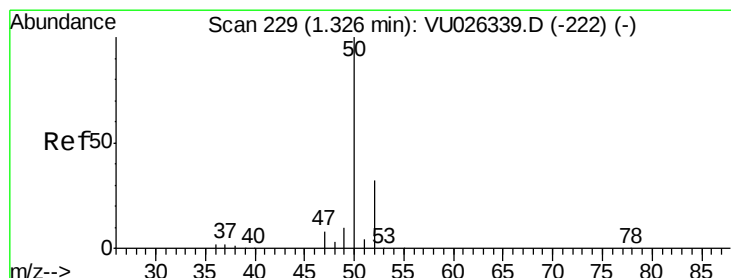
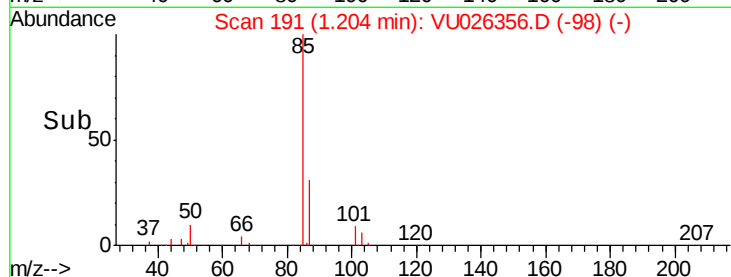
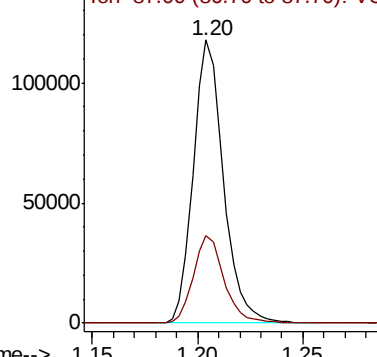
Ion Ratio Lower Upper

85 100

87 31.4 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: 47.649 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026356.D

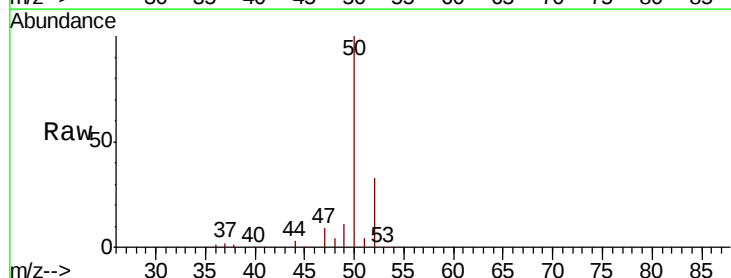
Acq: 25 Aug 2018 00:05

Tgt Ion: 50 Resp: 110676

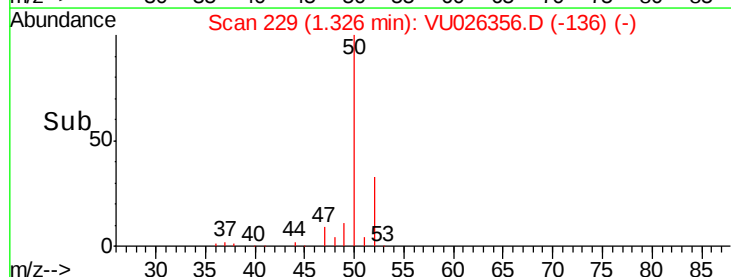
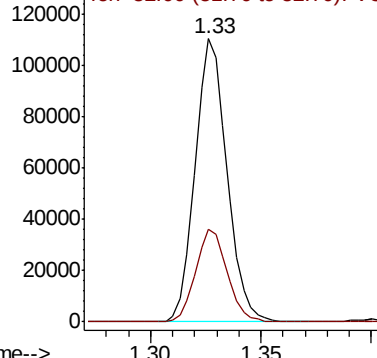
Ion Ratio Lower Upper

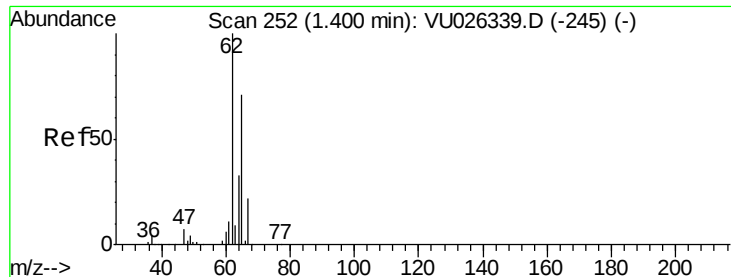
50 100

52 32.6 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU0
Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 48.114 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

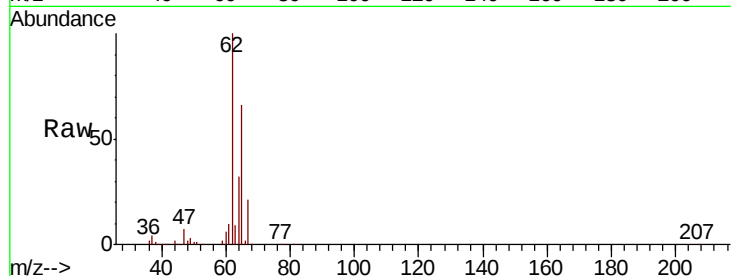
ClientSampled :

Tot Ion: 62 Resp: 112598

Ion Ratio Lower Upper

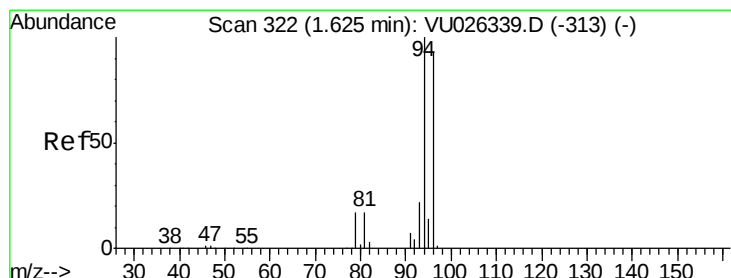
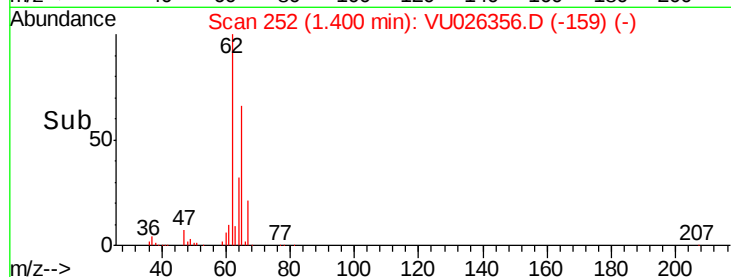
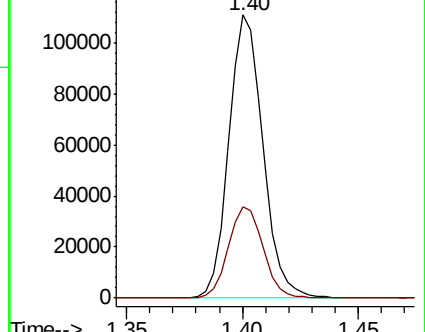
62 100

64 32.5 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 45.627 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU026356.D

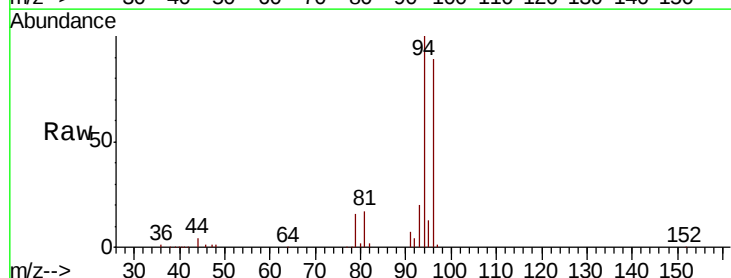
Acq: 25 Aug 2018 00:05

Tgt Ion: 94 Resp: 66392

Ion Ratio Lower Upper

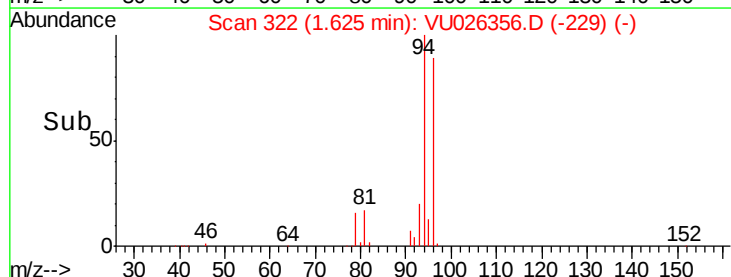
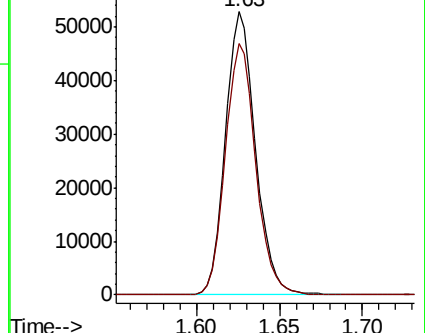
94 100

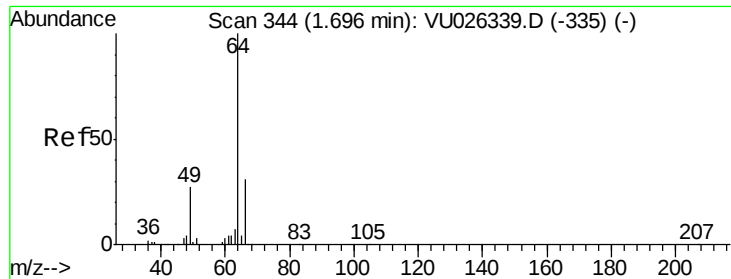
96 88.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

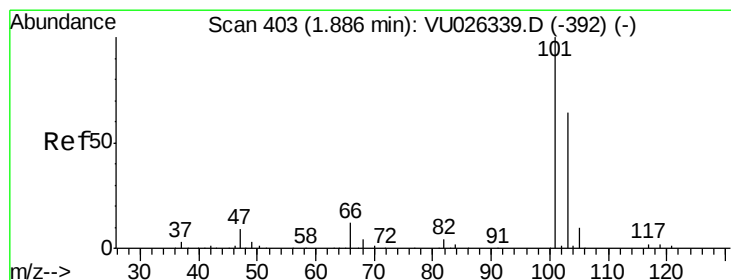
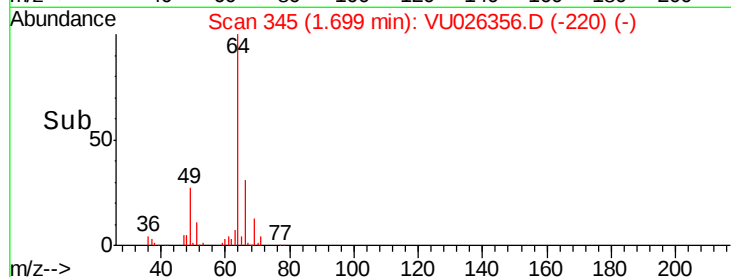
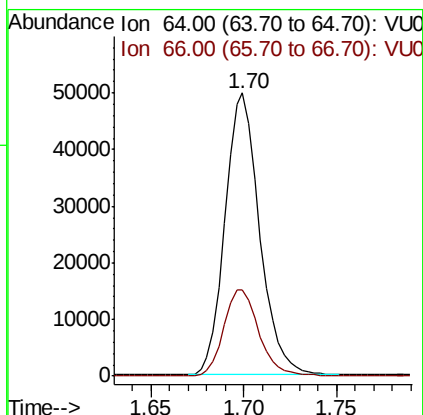
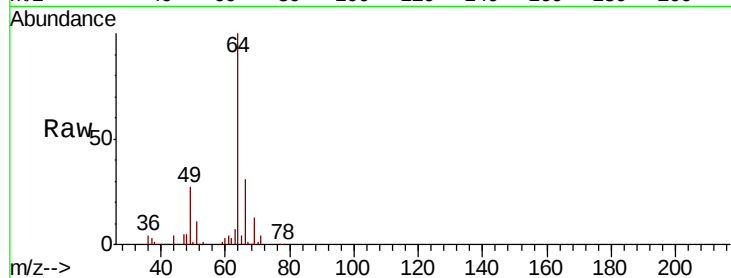




#8
Chloroethane
Concen: 47.754 ug/L
RT: 1.70 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

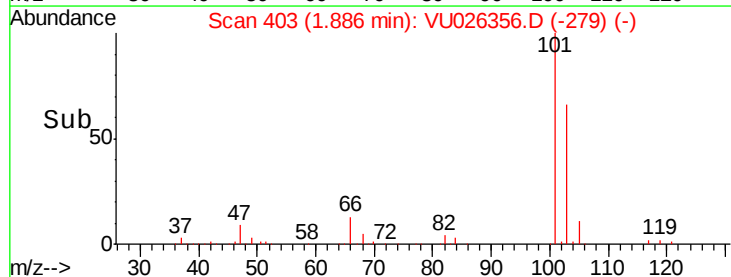
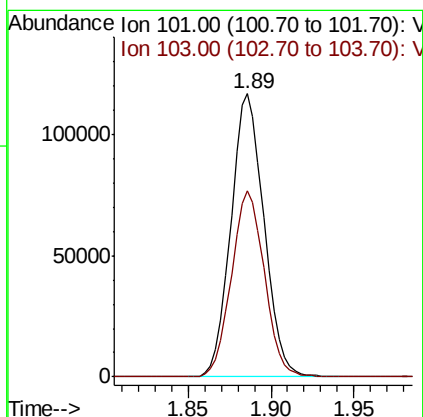
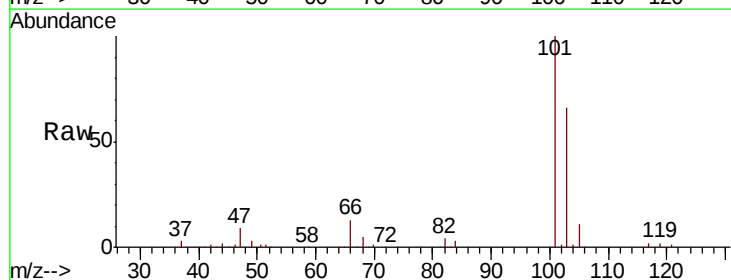
Instrument :
MSVOA_U
ClientSampleId :

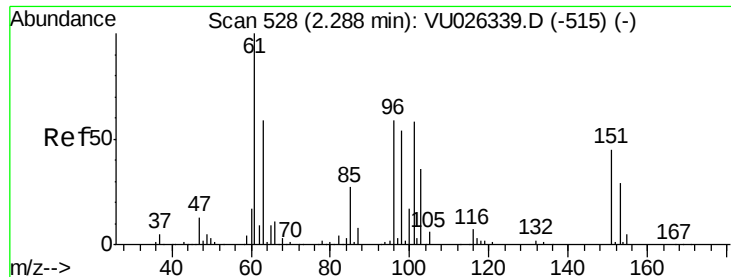
Tot Ion: 64 Resp: 64087
Ion Ratio Lower Upper
64 100
66 30.6 21.9 40.7



#9
Trichlorofluoromethane
Concen: 48.848 ug/L
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Tgt Ion:101 Resp: 161912
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5





#10

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

Concen: 47.468 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

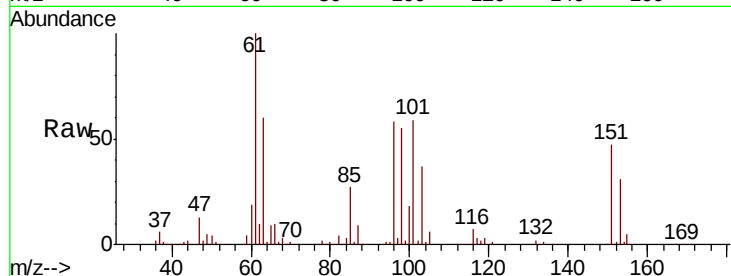
Tot Ion:101 Resp: 87304

Ion Ratio Lower Upper

101 100

85 45.2 35.8 53.6

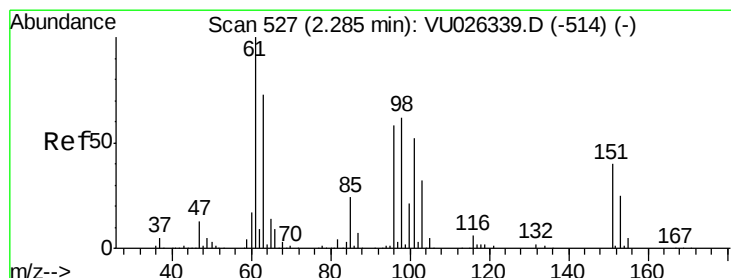
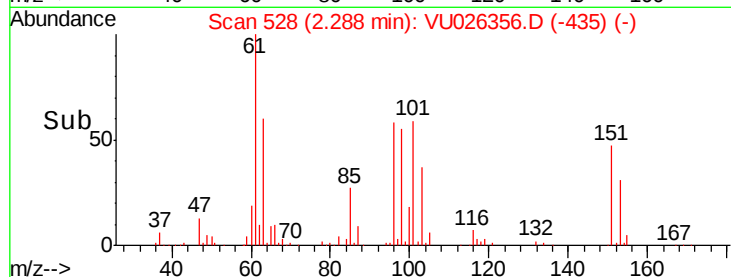
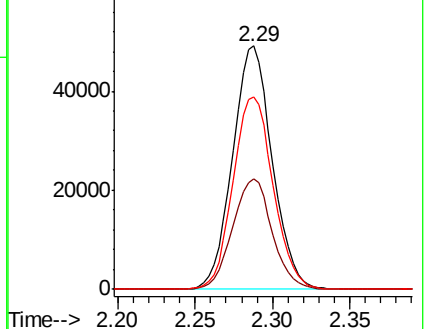
151 80.5 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.562 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

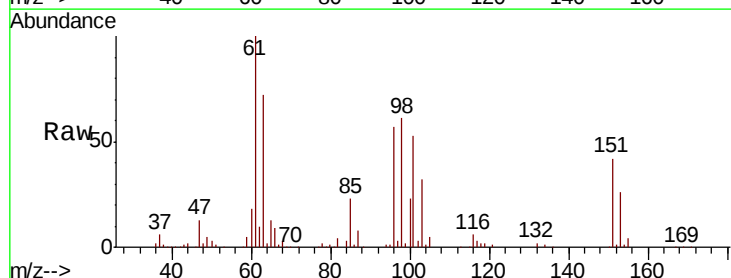
Tgt Ion: 96 Resp: 80315

Ion Ratio Lower Upper

96 100

61 174.0 124.7 231.5

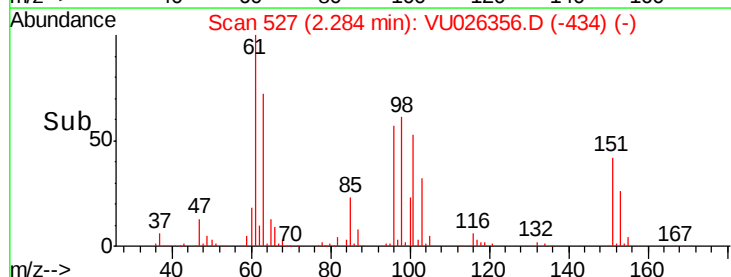
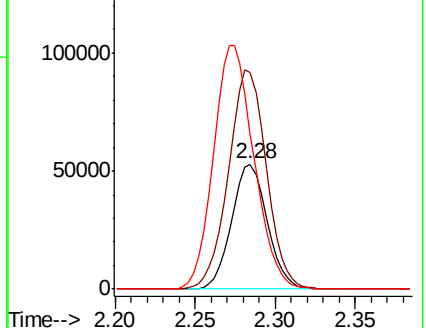
63 124.9 93.7 174.1

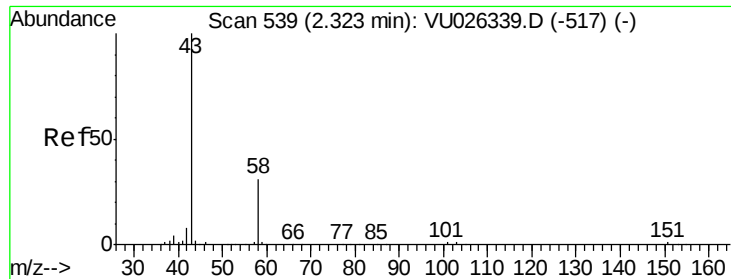


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.738 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

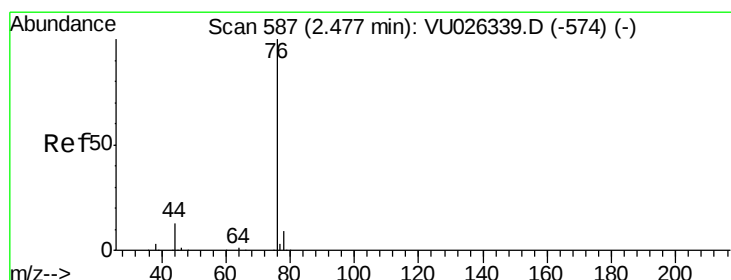
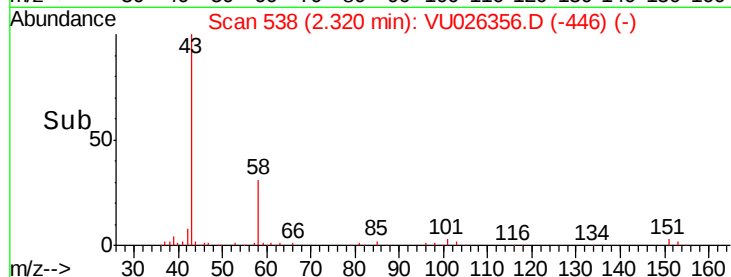
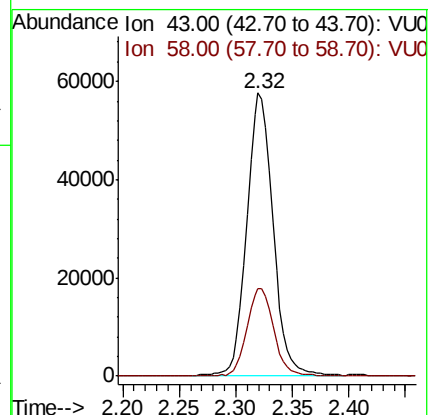
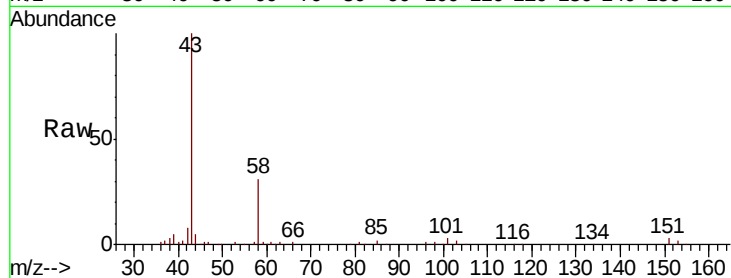
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 93969

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.2



#14

Carbon disulfide

Concen: 44.680 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026356.D

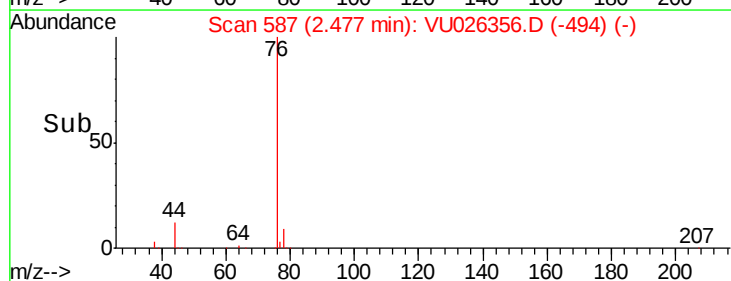
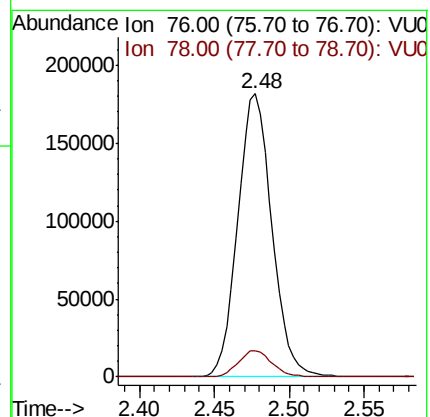
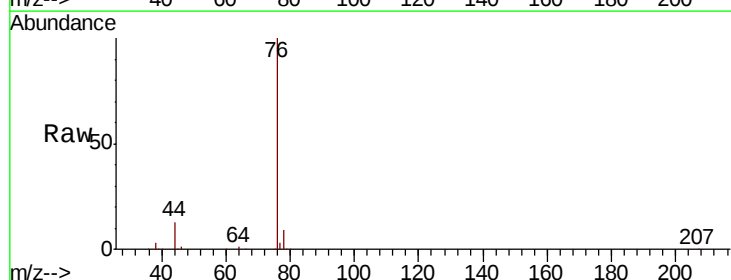
Acq: 25 Aug 2018 00:05

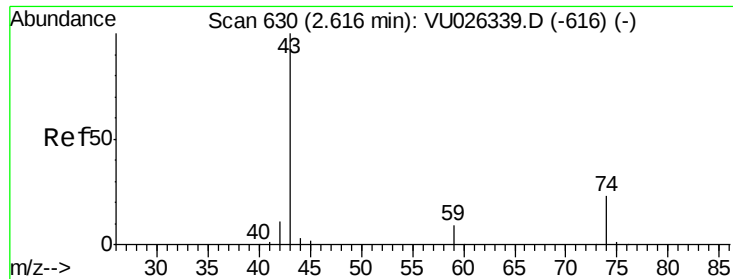
Tgt Ion: 76 Resp: 289449

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8

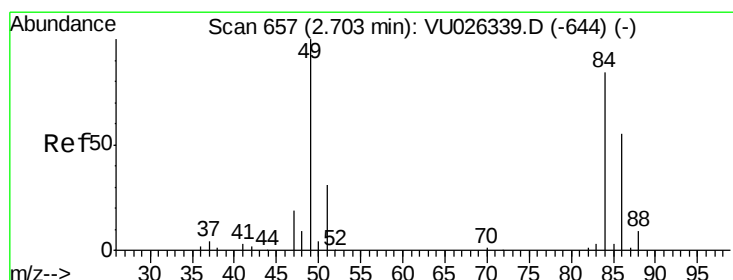
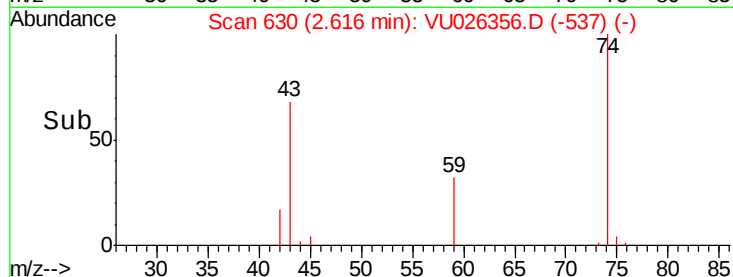
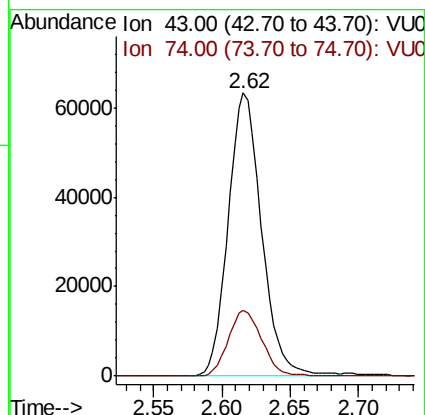
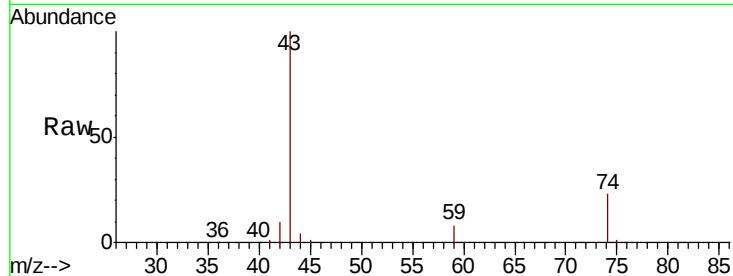




#15
Methvl Acetate
Concen: 46.270 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

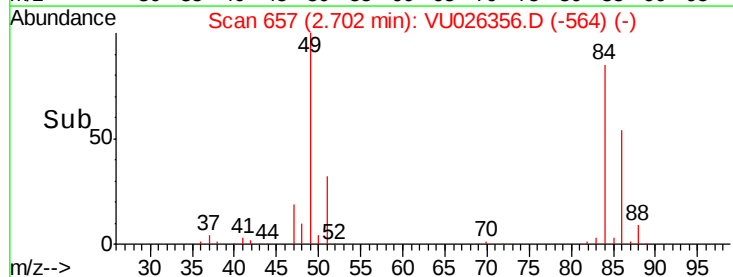
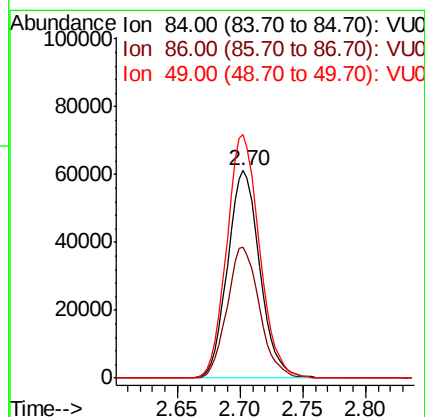
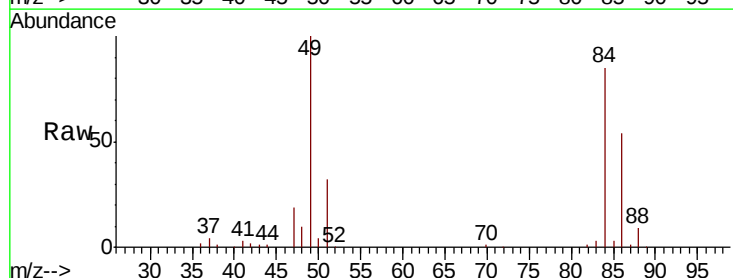
Instrument :
MSVOA_U
ClientSampleId :

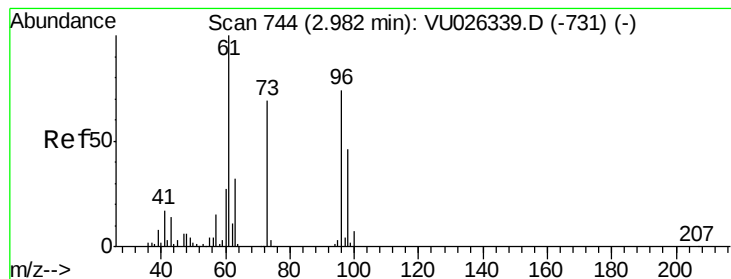
Tot Ion: 43 Resp: 107638
Ion Ratio Lower Upper
43 100
74 23.4 18.6 27.8



#16
Methylene chloride
Concen: 48.100 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Tgt Ion: 84 Resp: 109307
Ion Ratio Lower Upper
84 100
86 63.2 45.4 84.4
49 117.4 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 46.527 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :
MSVOA_U
ClientSampleId :

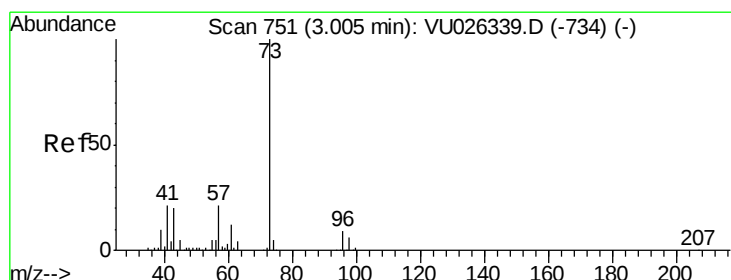
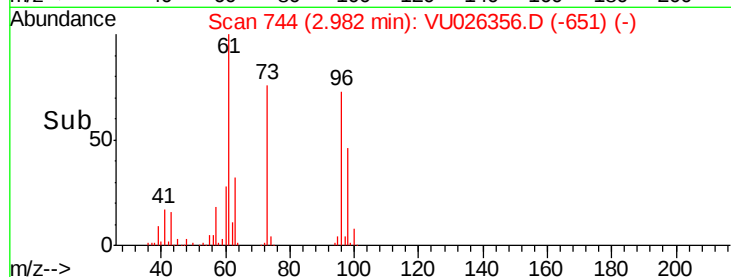
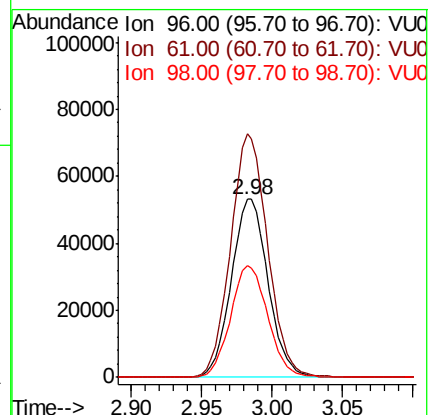
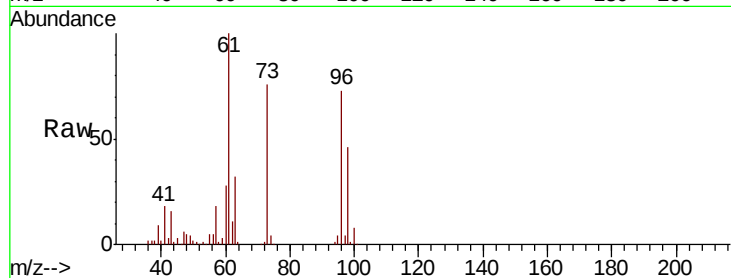
Tot Ion: 96 Resp: 96843

Ion Ratio Lower Upper

96 100

61 136.8 97.9 181.9

98 62.5 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 48.165 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

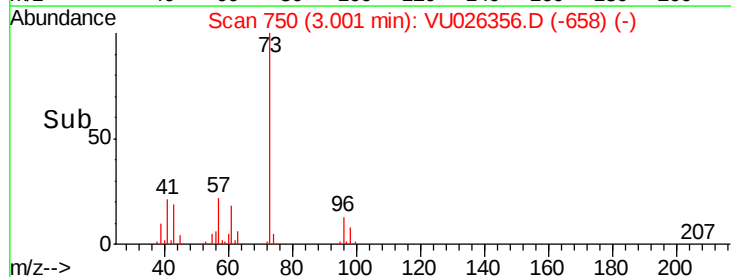
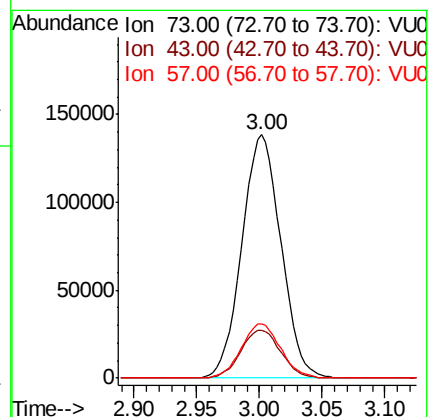
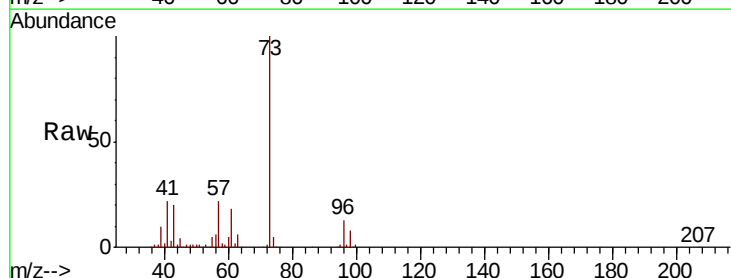
Tgt Ion: 73 Resp: 300334

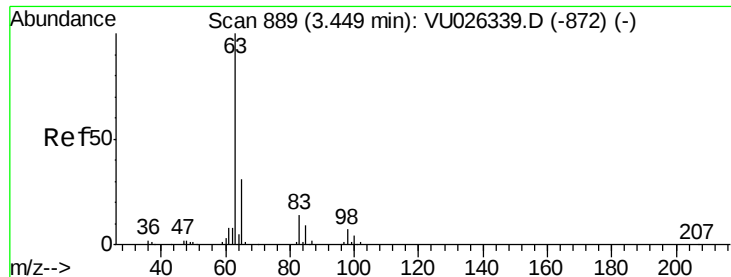
Ion Ratio Lower Upper

73 100

43 20.2 15.7 23.5

57 22.3 17.5 26.3

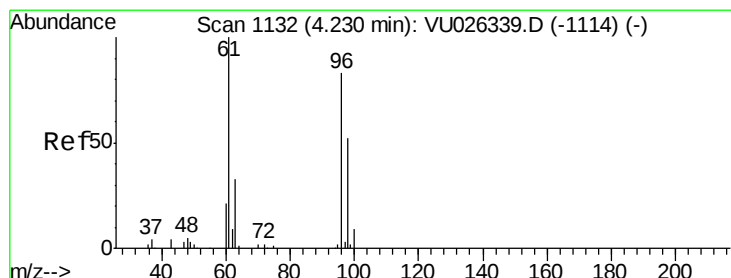
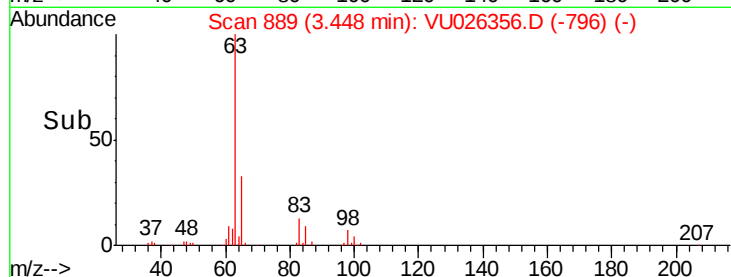
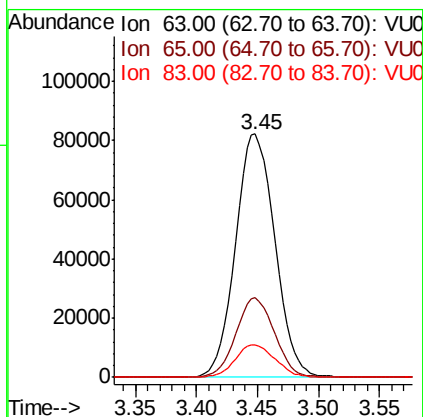
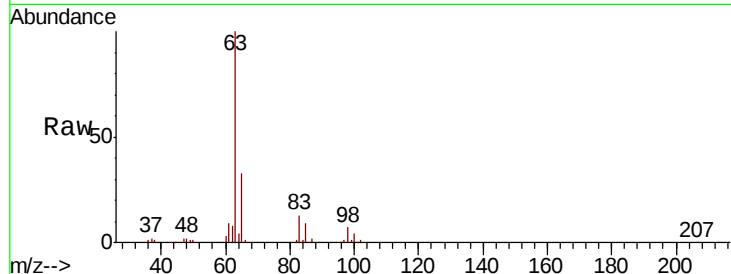




#19
 1,1-Dichloroethane
 Concen: 48.486 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

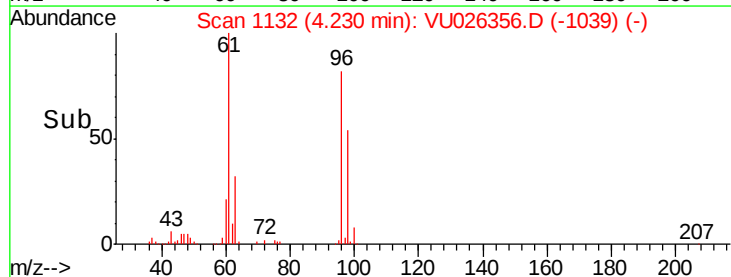
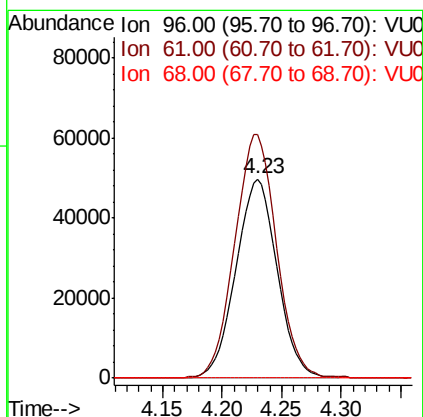
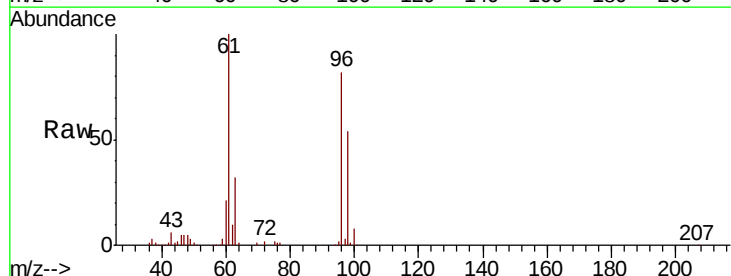
Instrument :
 MSVOA_U
 ClientSampled :

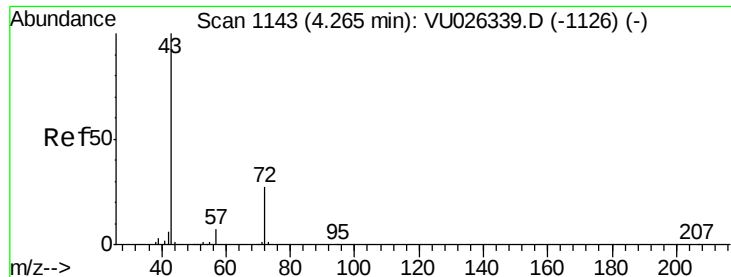
Tot Ion	63	Resp	183783
Ion Ratio	Lower	Upper	
63	100		
65	32.7	21.4	39.8
83	13.4	9.2	17.2



#20
 cis-1,2-Dichloroethene
 Concen: 52.082 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion	96	Resp	119659
Ion Ratio	Lower	Upper	
96	100		
61	122.0	90.3	167.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 88.220 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

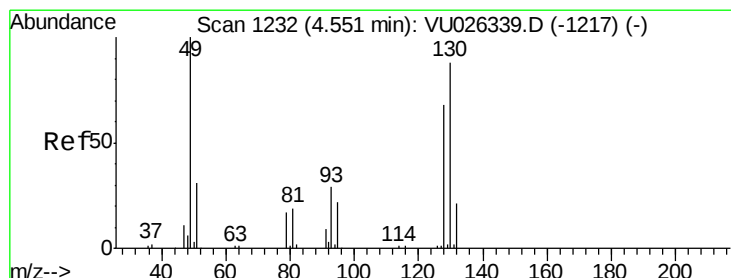
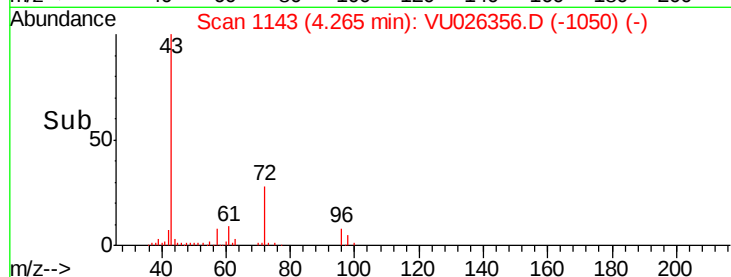
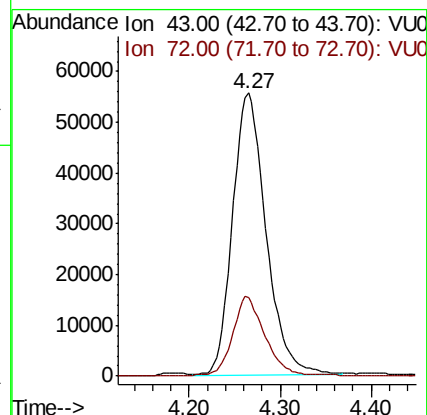
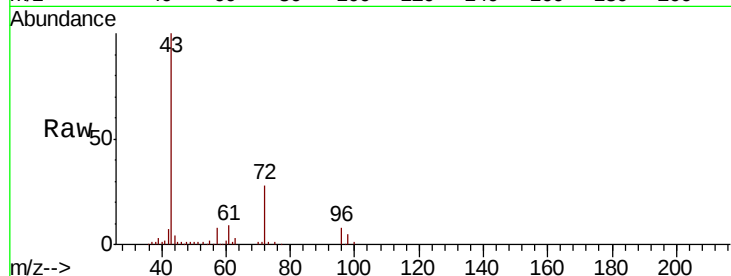
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 142673

Ion Ratio Lower Upper

43 100

72 26.0 14.1 42.3



#23

Bromochloromethane

Concen: 48.255 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Tgt Ion: 128 Resp: 59291

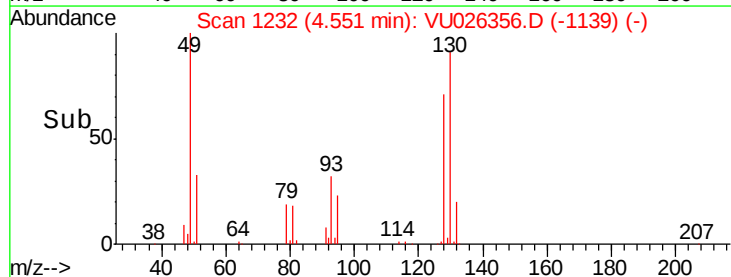
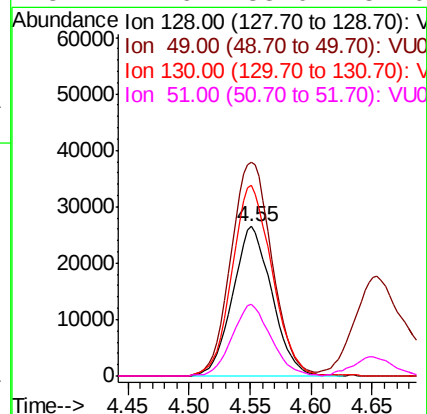
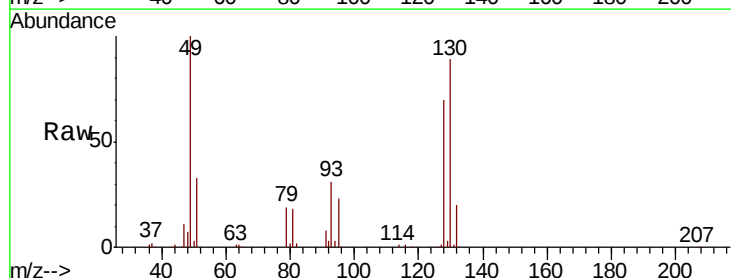
Ion Ratio Lower Upper

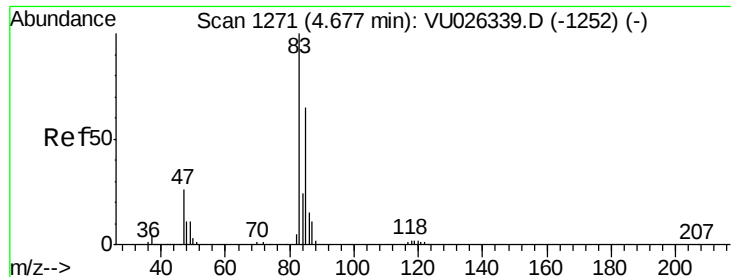
128 100

49 143.0 106.7 198.3

130 127.3 91.7 170.3

51 47.6 38.0 57.0

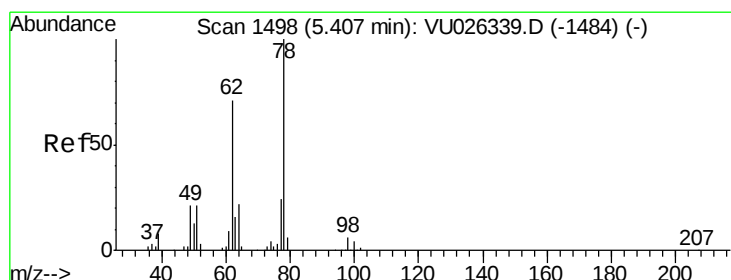
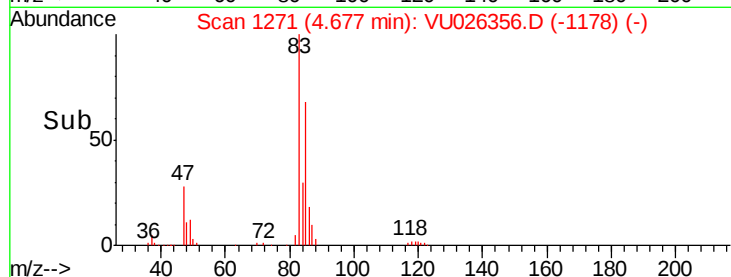
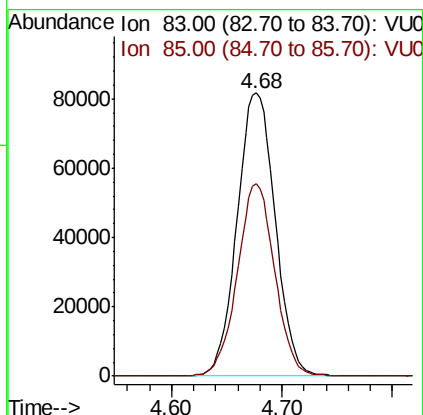
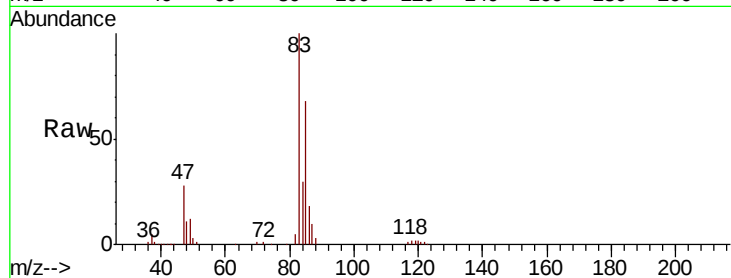




#25
Chloroform
Concen: 48.326 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

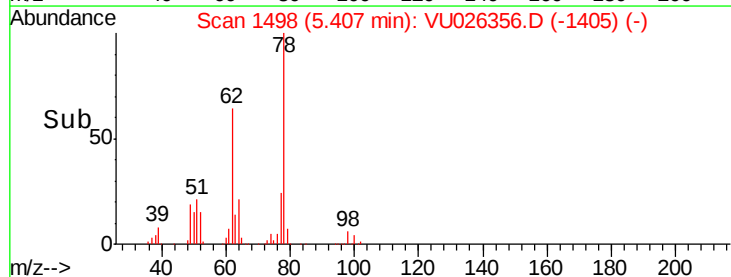
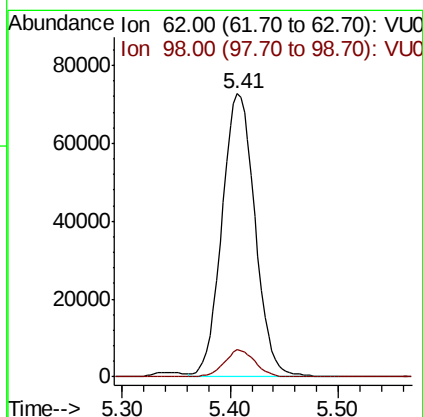
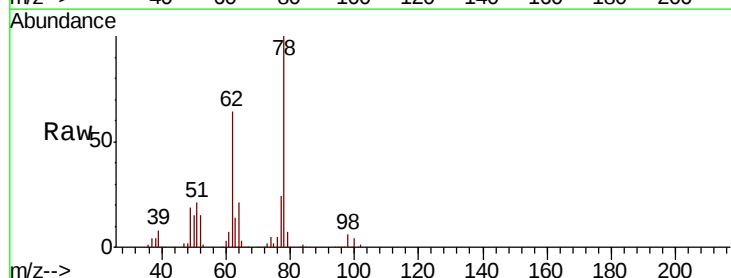
Instrument :
MSVOA_U
ClientSampleId :

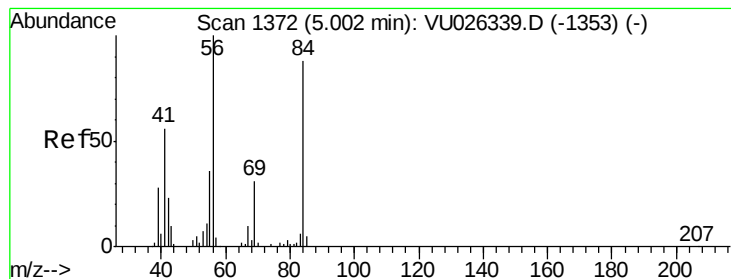
Tot Ion: 83 Resp: 195550
Ion Ratio Lower Upper
83 100
85 68.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.258 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Tgt Ion: 62 Resp: 155556
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8





#29

Cyclohexane

Concen: 47.211 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :
MSVOA_U
ClientSampled :

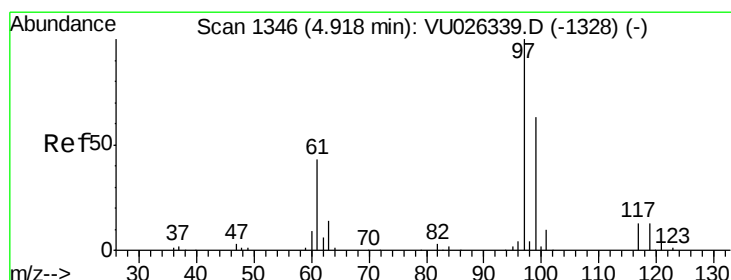
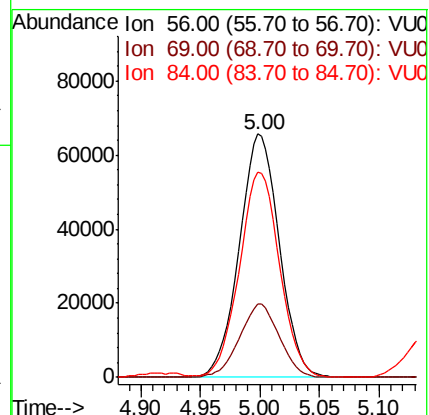
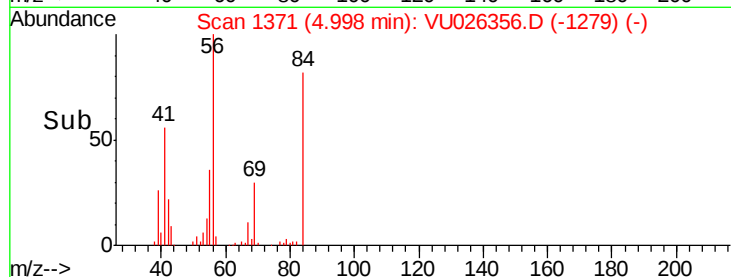
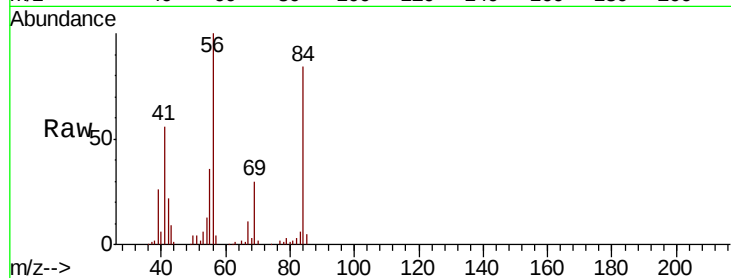
Tot Ion: 56 Resp: 152729

Ion Ratio Lower Upper

56 100

69 30.0 24.6 37.0

84 85.0 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 47.873 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

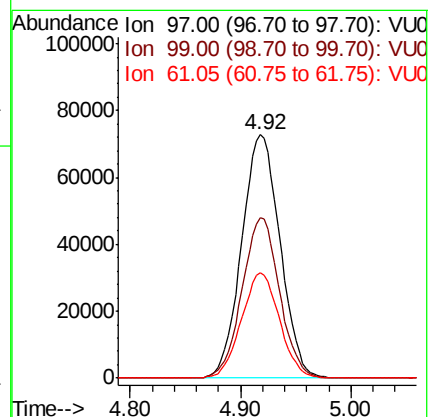
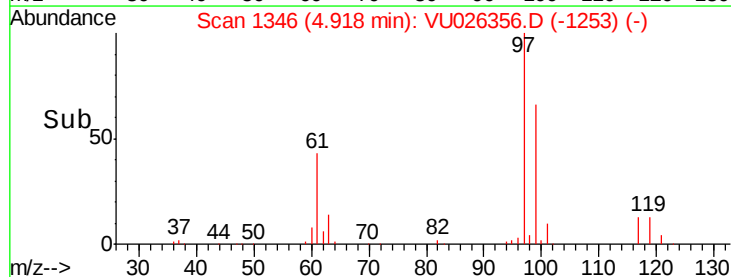
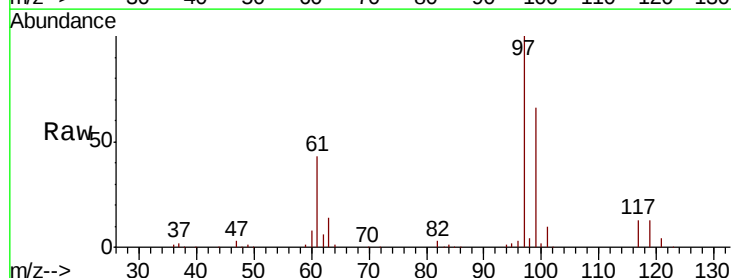
Tgt Ion: 97 Resp: 175459

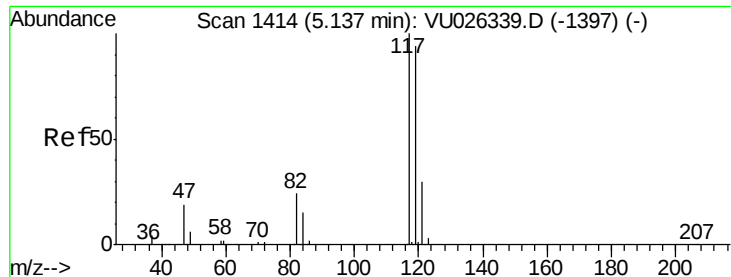
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 43.0 34.2 51.4



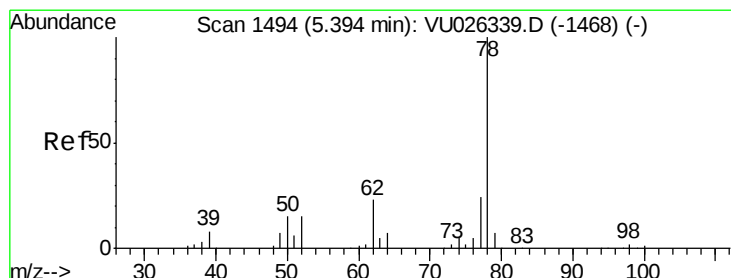
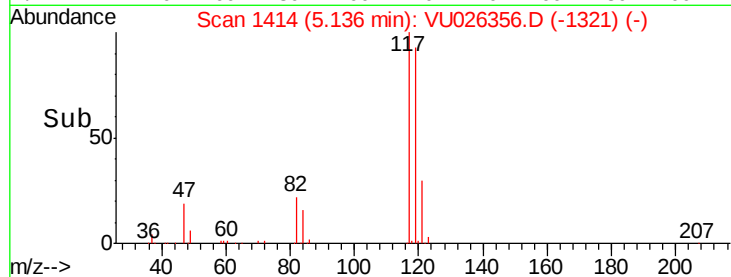
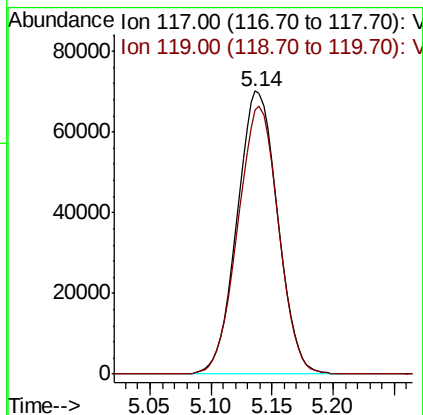
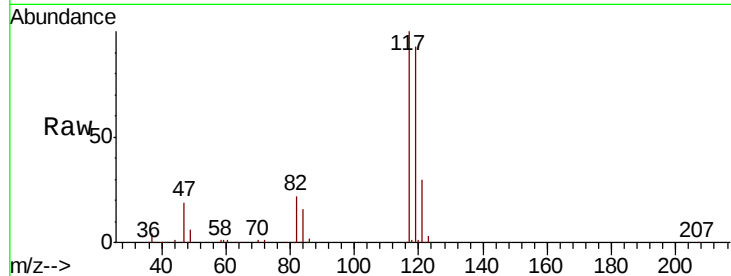


#31

Carbon tetrachloride
Concen: 46.850 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Instrument :
MSVOA_U
ClientSampleId :

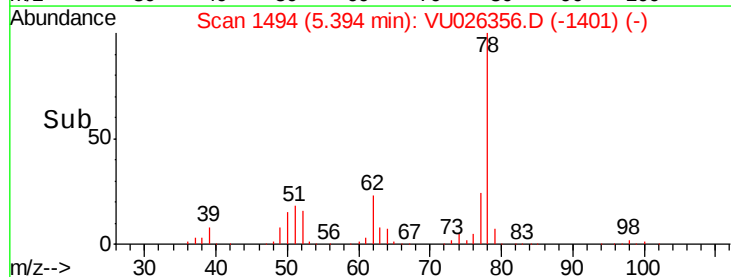
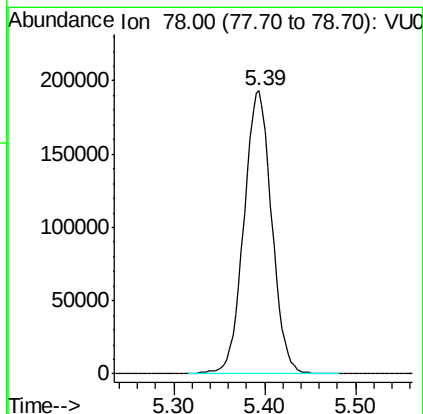
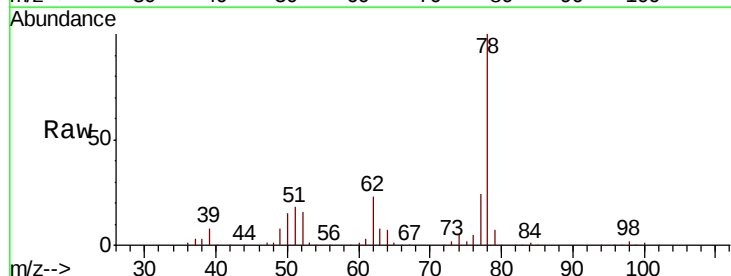
Tot Ion:117 Resp: 161435
Ion Ratio Lower Upper
117 100
119 94.8 77.2 115.8

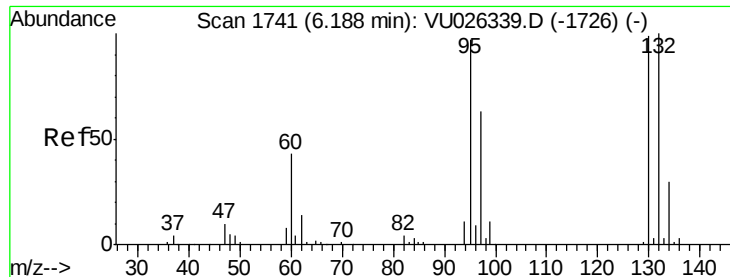


#33

Benzene
Concen: 47.697 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Tgt Ion: 78 Resp: 410196





#34

Trichloroethene

Concen: 47.431 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 107863

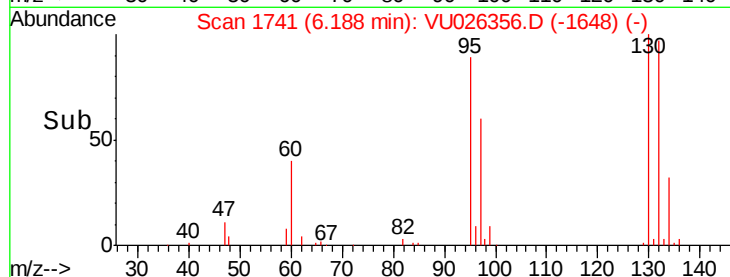
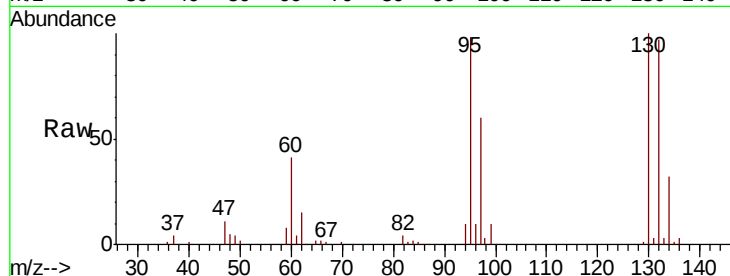
Ion Ratio Lower Upper

95 100

97 61.5 47.2 87.6

132 98.8 70.2 130.4

130 102.1 73.4 136.4

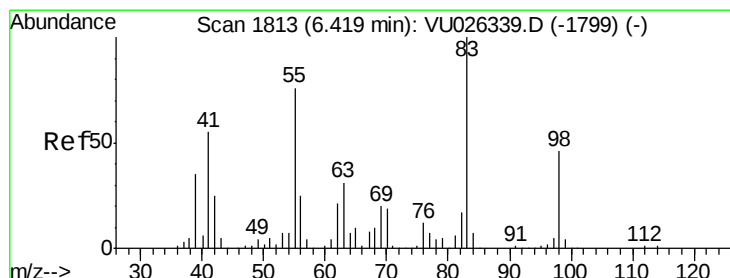
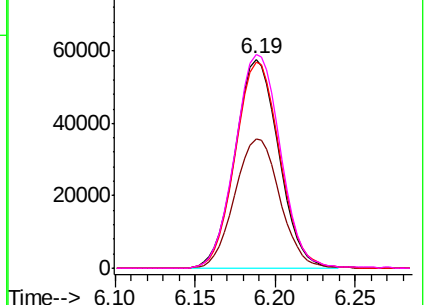


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.072 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

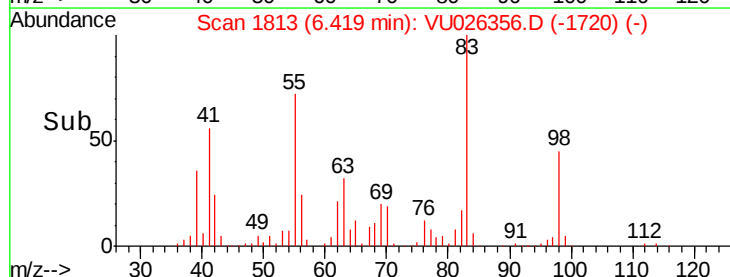
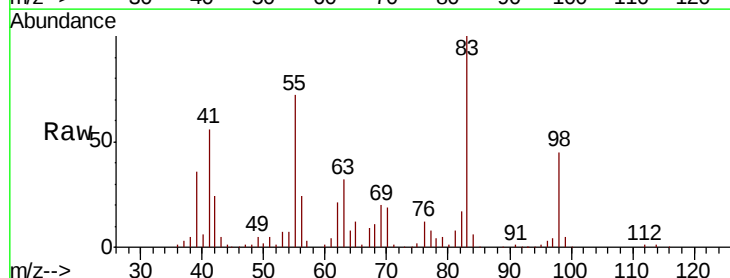
Tgt Ion: 83 Resp: 163692

Ion Ratio Lower Upper

83 100

55 74.9 60.6 91.0

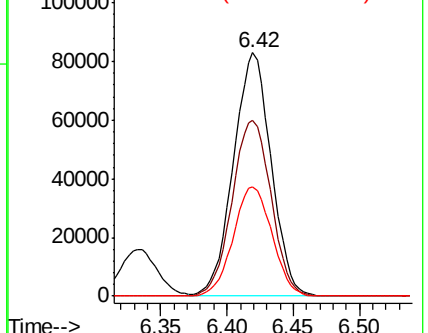
98 46.3 36.8 55.2

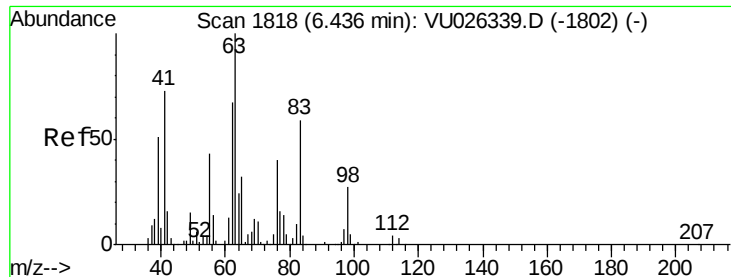


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

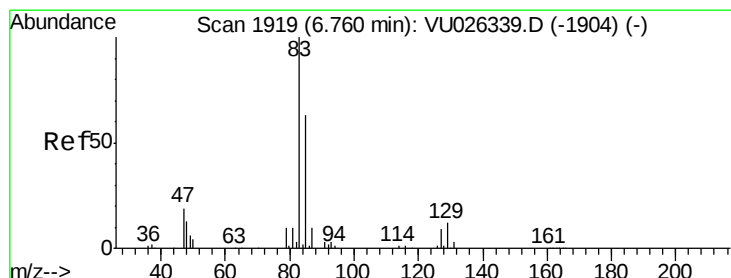
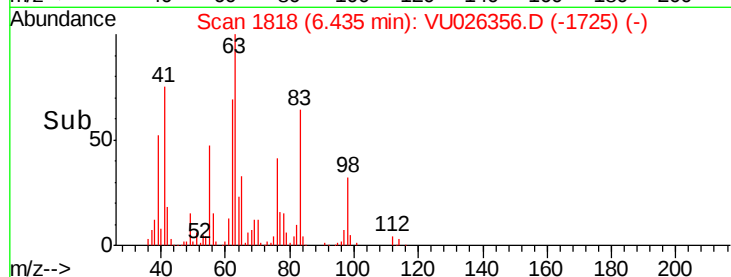
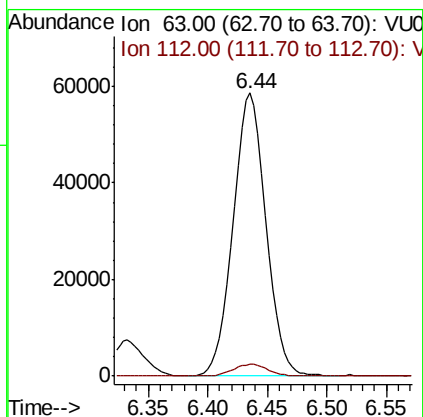
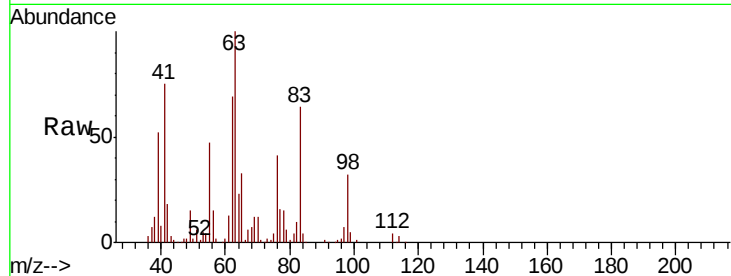




#37
 1,2-Dichloropropane
 Concen: 47.716 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

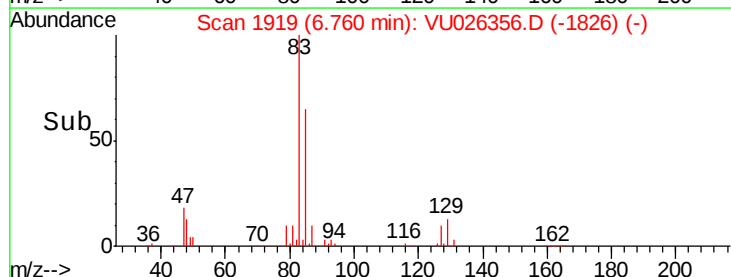
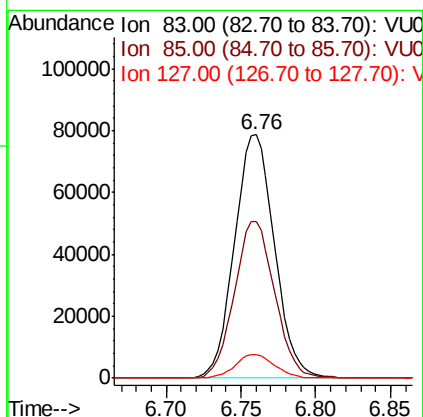
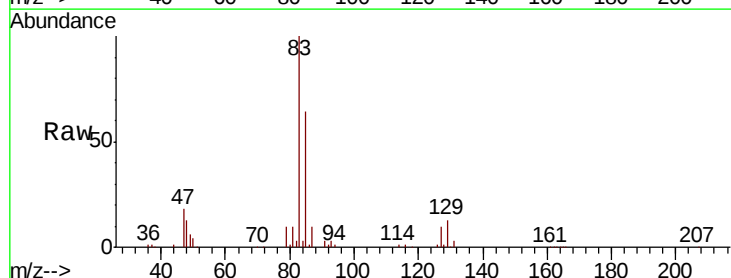
Instrument :
 MSVOA_U
 ClientSampleId :

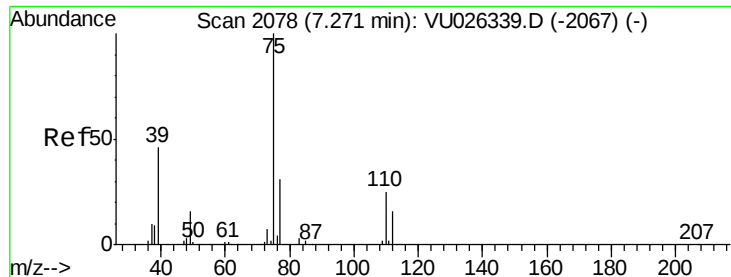
Tot Ion: 63 Resp: 112148
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 46.610 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion: 83 Resp: 146483
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.3 86.1
 127 9.6 7.8 11.6

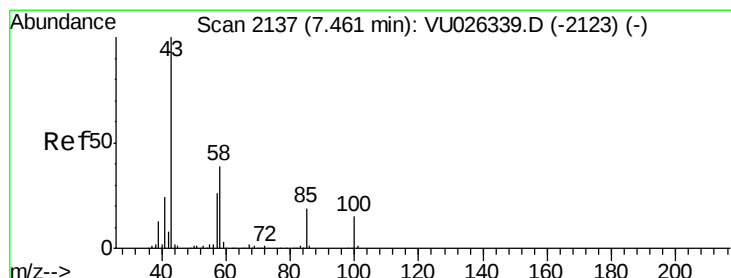
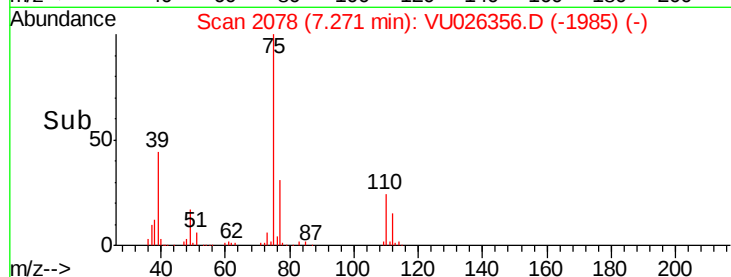
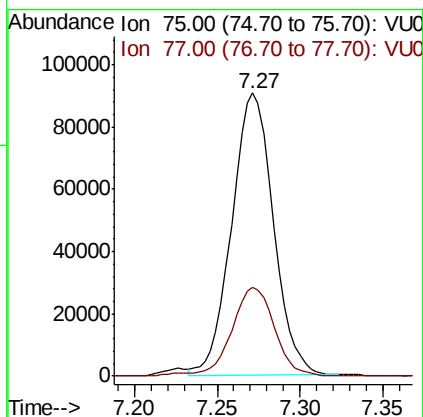
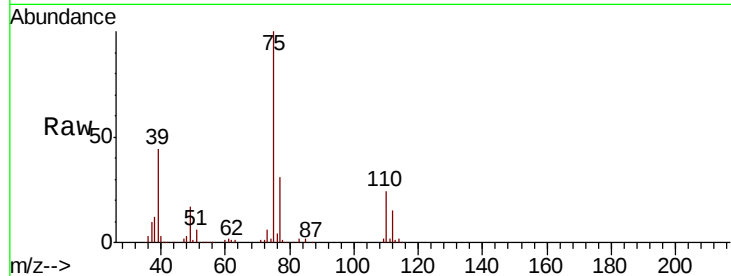




#39
 cis-1,3-Dichloropropene
 Concen: 44.473 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

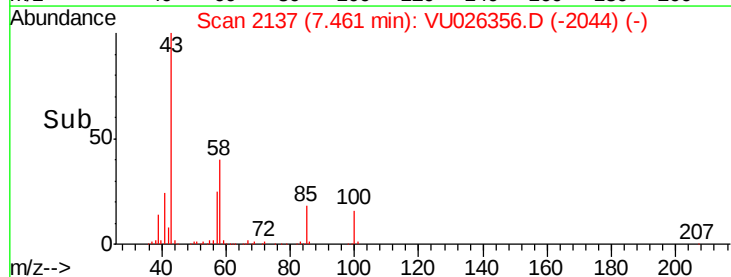
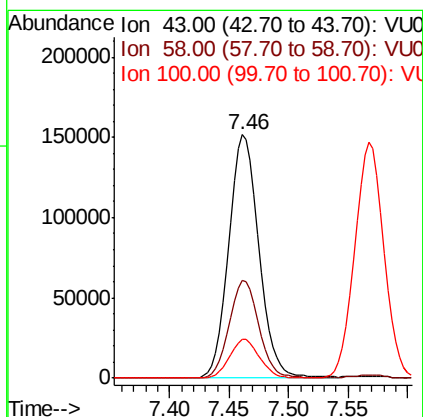
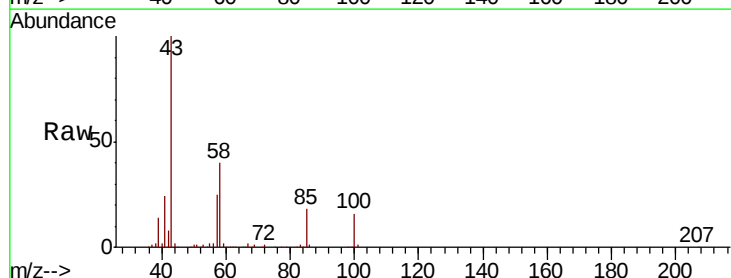
Instrument :
 MSVOA_U
 ClientSampleId :

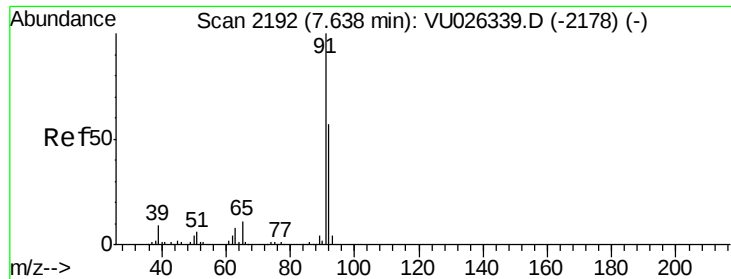
Tot Ion: 75 Resp: 158770
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 89.675 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion: 43 Resp: 267118
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.6 47.4
 100 15.8 12.3 18.5





#42

Toluene

Concen: 48.476 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

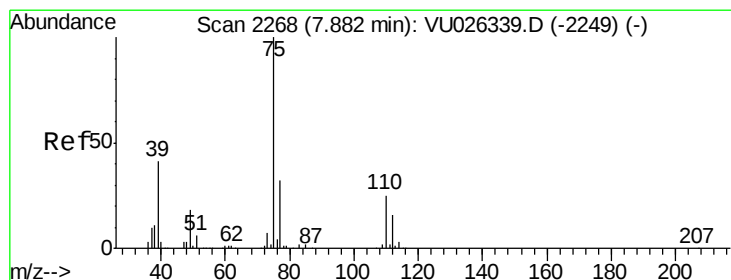
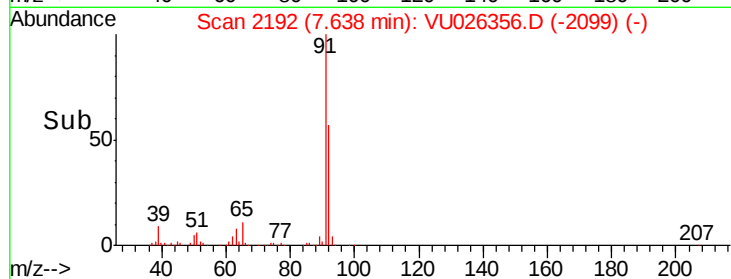
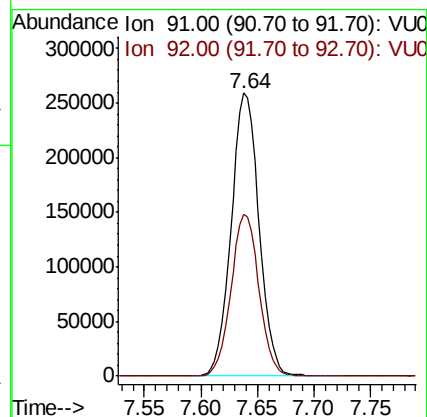
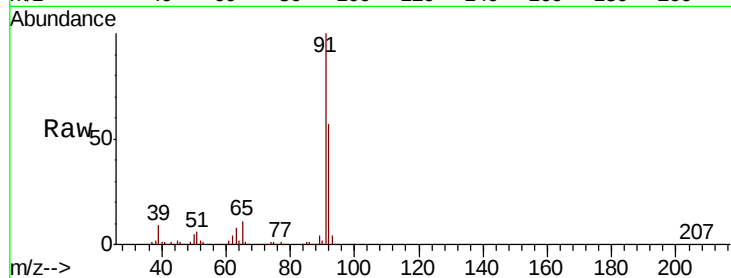
ClientSampled :

Tot Ion: 91 Resp: 443576

Ion Ratio Lower Upper

91 100

92 57.2 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 46.213 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026356.D

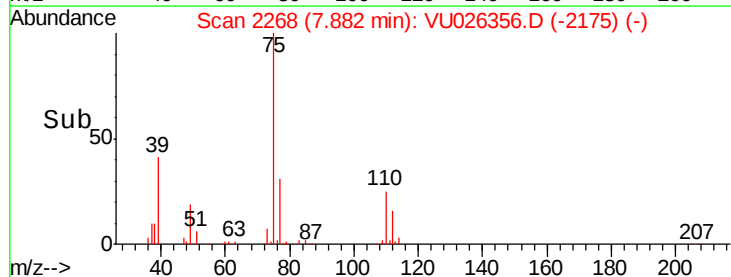
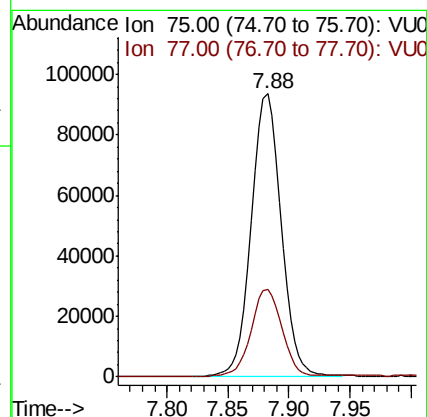
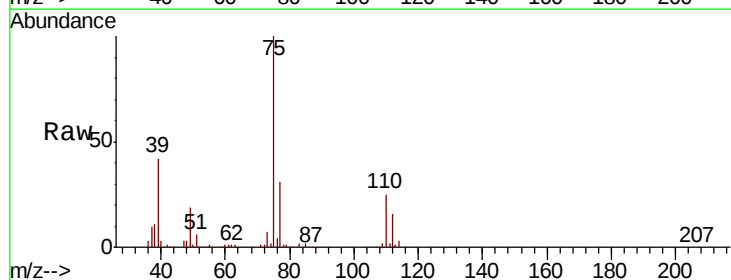
Acq: 25 Aug 2018 00:05

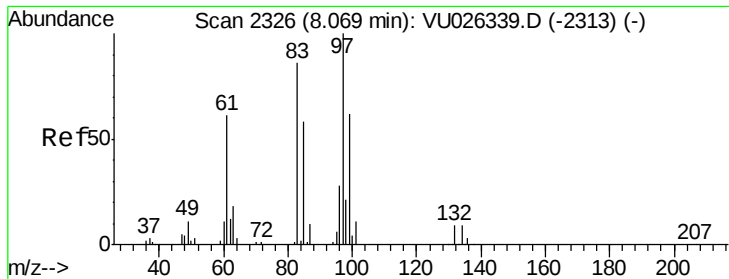
Tgt Ion: 75 Resp: 158743

Ion Ratio Lower Upper

75 100

77 30.8 22.0 41.0

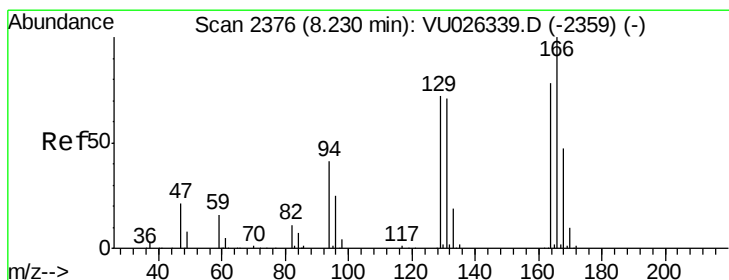
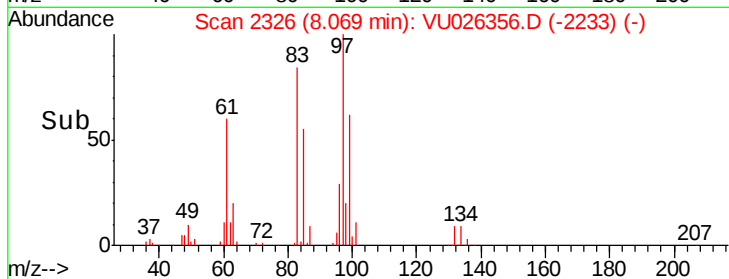
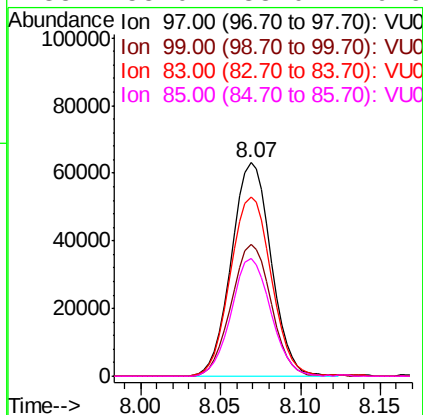
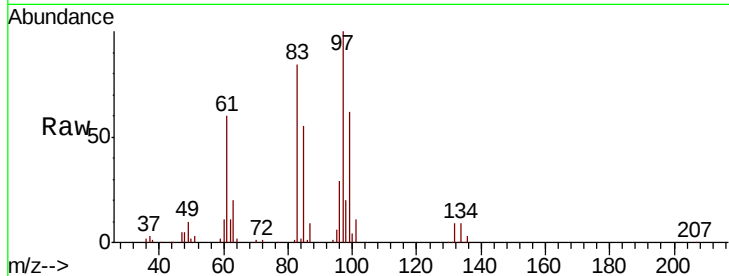




#45
 1,1,2-Trichloroethane
 Concen: 48.204 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

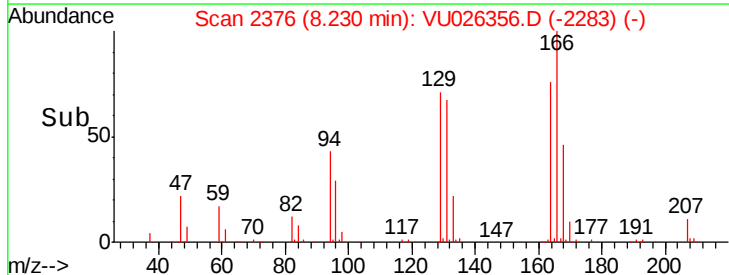
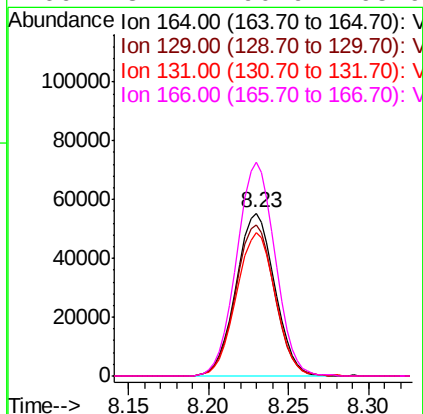
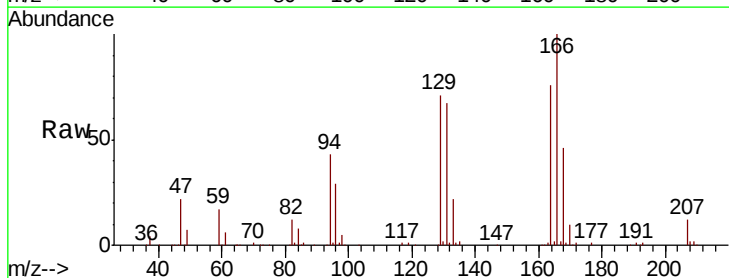
Instrument :
 MSVOA_U
 ClientSampleId :

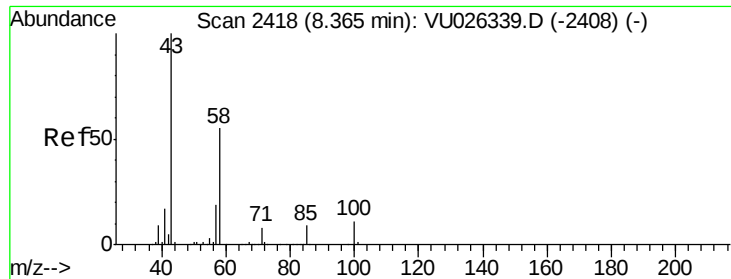
Tot Ion:	97	Resp:	107025
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.0	81.6
83	84.0	59.2	110.0
85	55.0	38.0	70.6



#46
 Tetrachloroethene
 Concen: 46.672 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion:	164	Resp:	91326
Ion	Ratio	Lower	Upper
164	100		
129	93.2	67.3	124.9
131	88.0	65.5	121.7
166	131.2	90.9	168.9

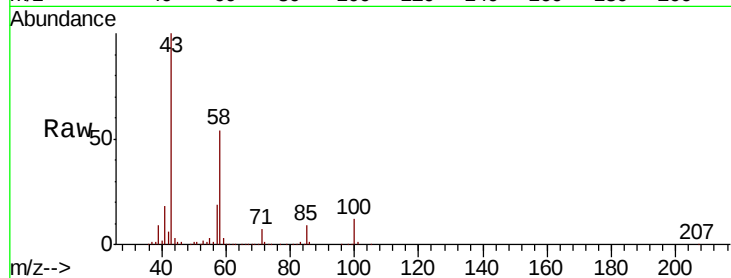




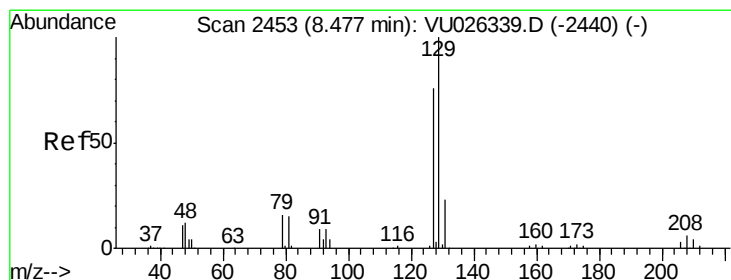
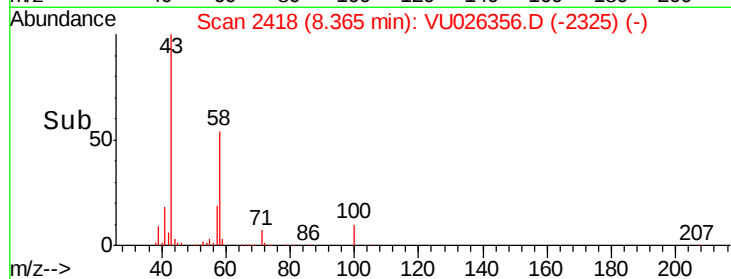
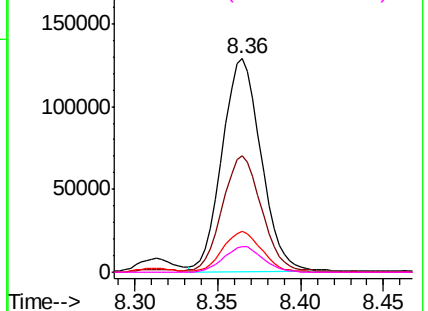
#48
2-Hexanone
Concen: 87.388 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	209489
Ion	Ratio	Lower	Upper
43	100		
58	55.1	42.6	63.8
57	19.4	15.1	22.7
100	12.4	9.5	14.3

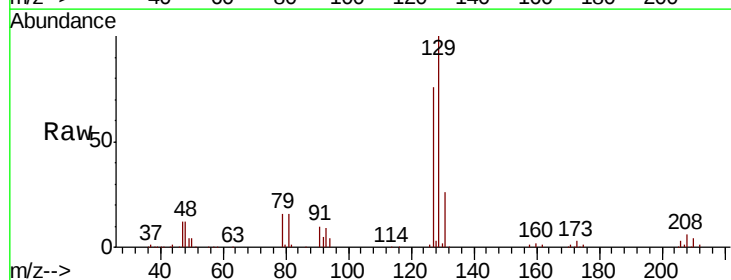


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

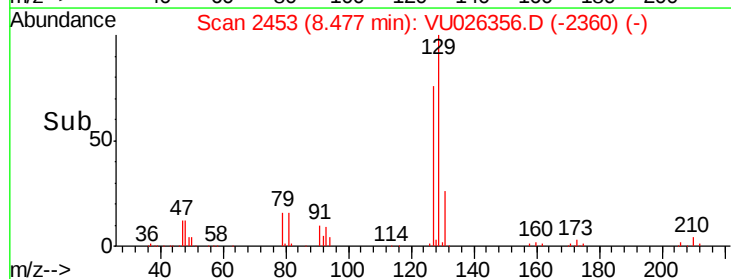
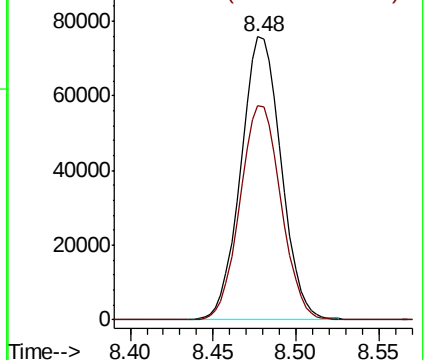


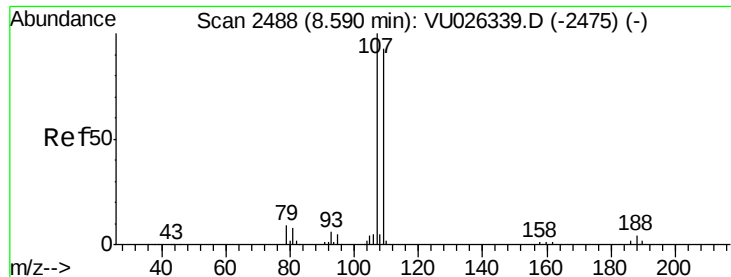
#49
Dibromochloromethane
Concen: 47.048 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026356.D
Acq: 25 Aug 2018 00:05

Tgt Ion:	129	Resp:	128379
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.8	100.0



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

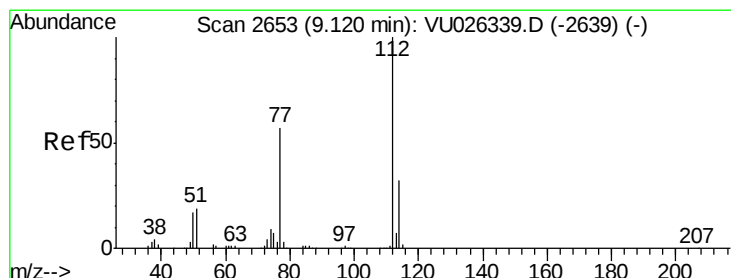
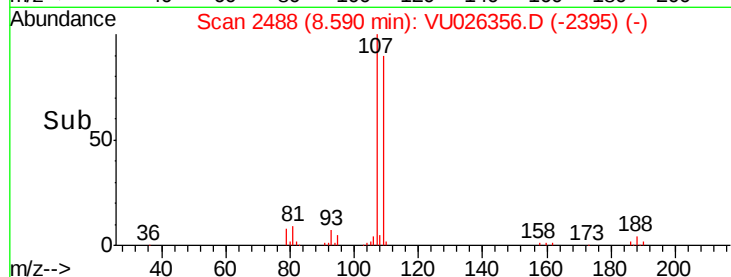
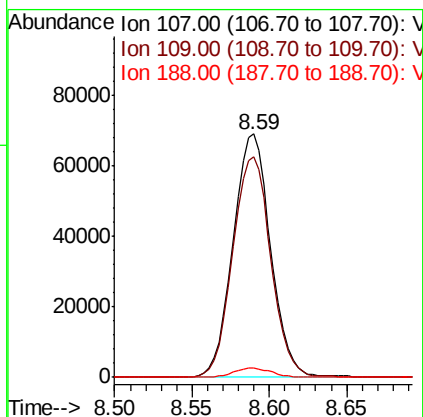
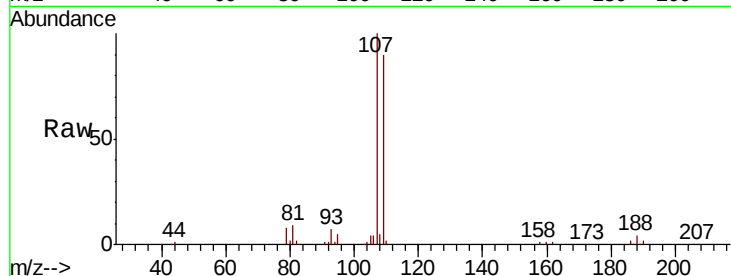




#50
 1,2-Dibromoethane
 Concen: 47.381 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

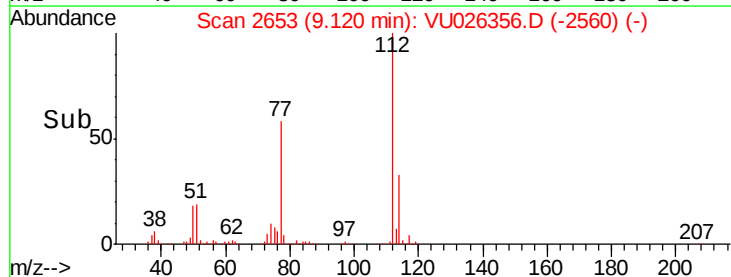
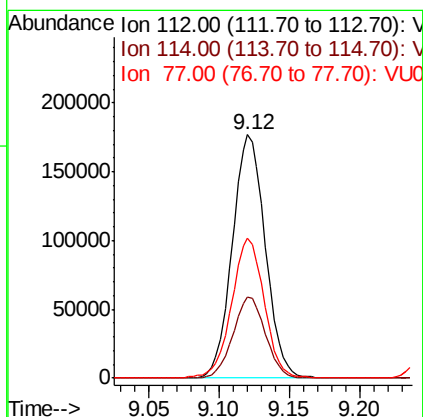
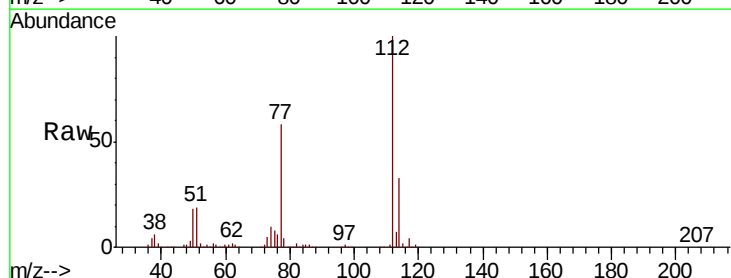
Instrument :
 MSVOA_U
 ClientSampleId :

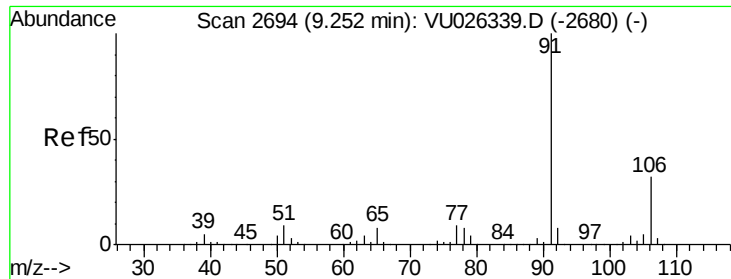
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.4	65.2	121.0
188	3.7	3.4	5.2



#51
 Chlorobenzene
 Concen: 46.376 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.5	41.9
77	57.5	45.4	68.2





#52

Ethylbenzene

Concen: 47.840 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

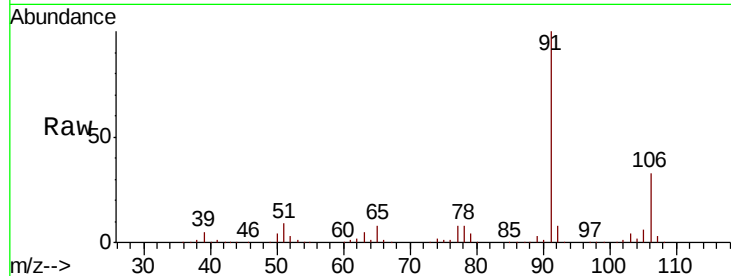
ClientSampleId :

Tot Ion: 91 Resp: 476816

Ion Ratio Lower Upper

91 100

106 32.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026339.D (-2680) (-)

Ion 106.00 (105.70 to 106.70): VU026339.D (-2680) (-)

9.25

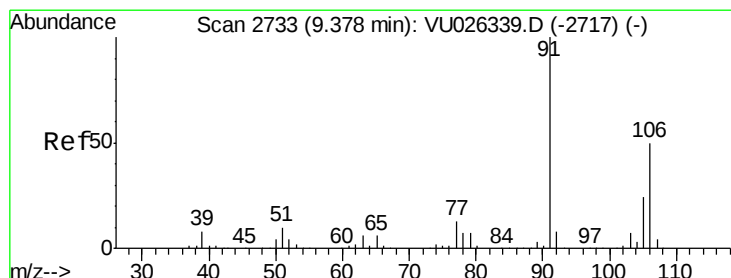
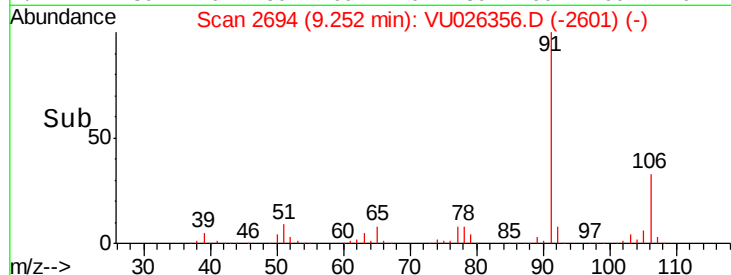
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 48.595 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026356.D

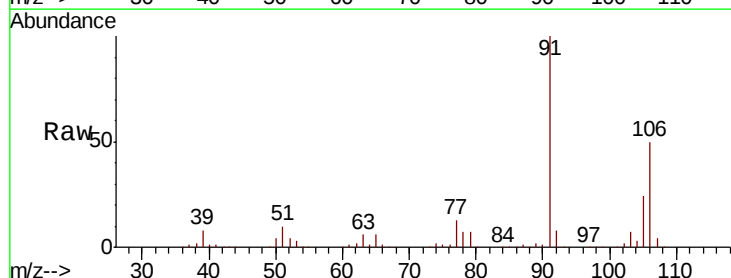
Acq: 25 Aug 2018 00:05

Tgt Ion: 106 Resp: 187203

Ion Ratio Lower Upper

106 100

91 201.5 136.6 253.8



Abundance Ion 106.00 (105.70 to 106.70): VU026339.D (-2717) (-)

Ion 91.00 (90.70 to 91.70): VU026339.D (-2717) (-)

9.38

250000

200000

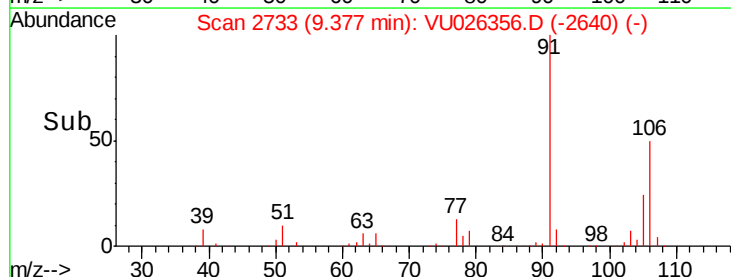
150000

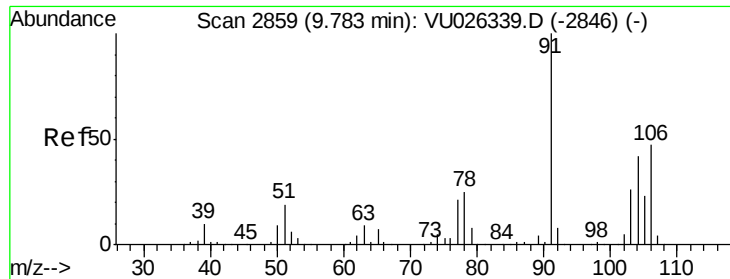
100000

50000

0

Time-->





#54

o-xylene

Concen: 48.601 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

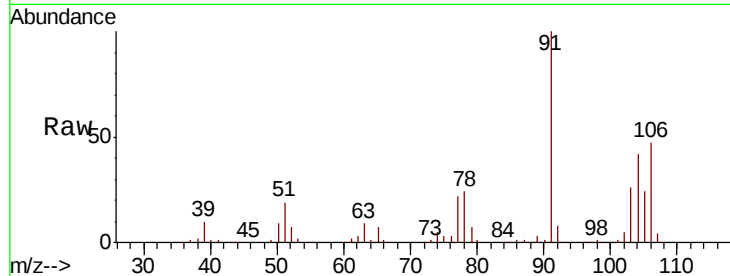
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 182621

Ion Ratio Lower Upper

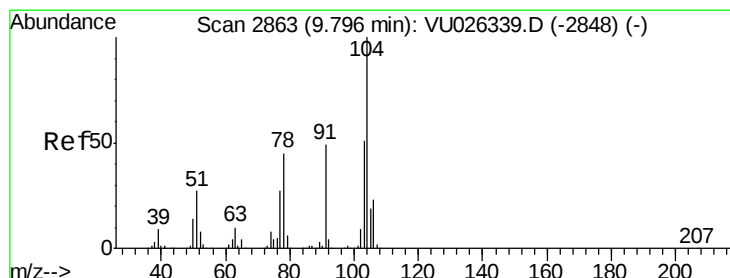
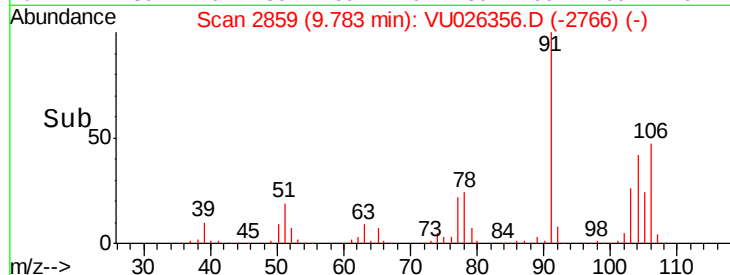
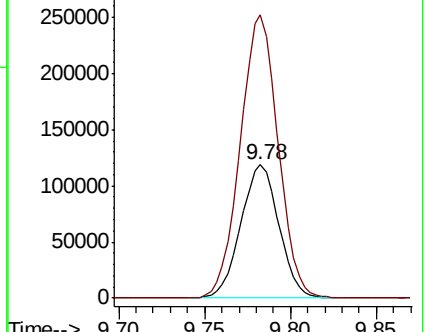
106 100

91 212.6 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 49.886 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026356.D

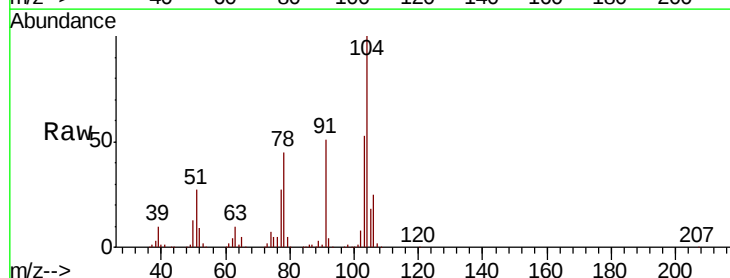
Acq: 25 Aug 2018 00:05

Tgt Ion:104 Resp: 319970

Ion Ratio Lower Upper

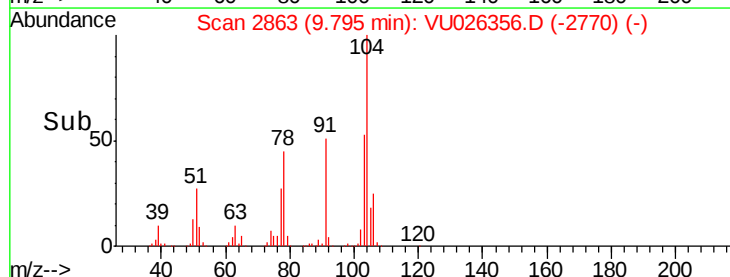
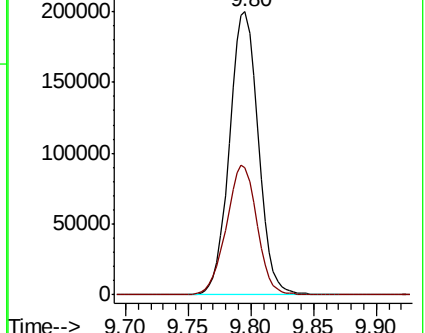
104 100

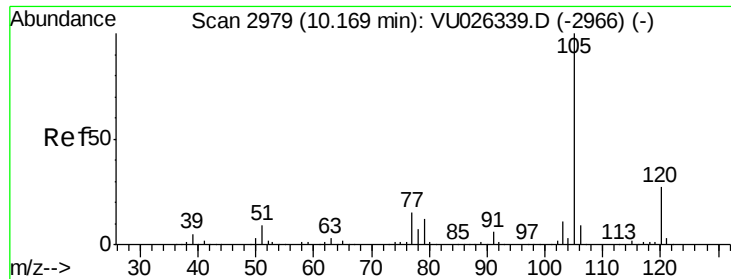
78 44.9 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 48.770 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

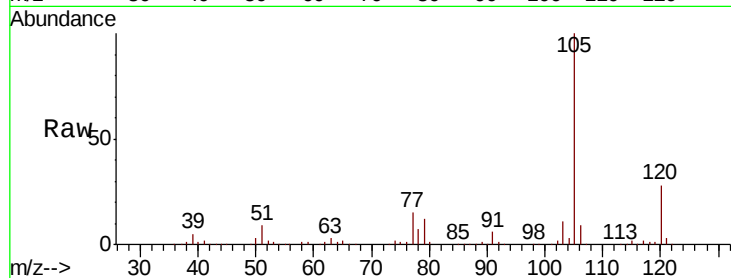
Tot Ion:105 Resp: 475403

Ion Ratio Lower Upper

105 100

120 27.2 21.9 32.9

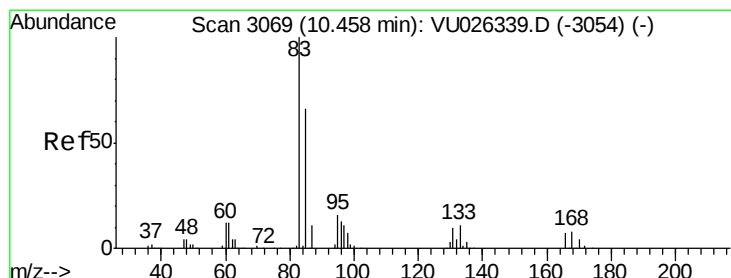
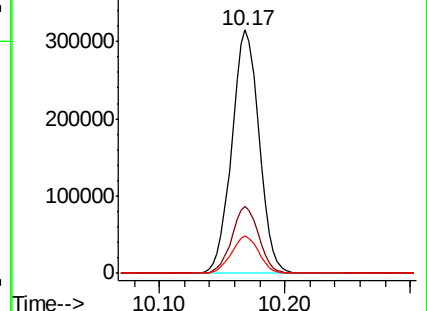
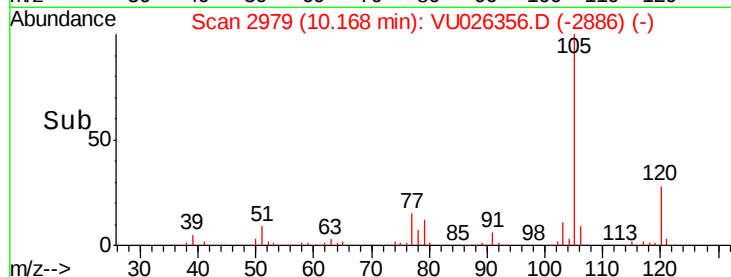
77 15.5 12.4 18.6



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: 46.813 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

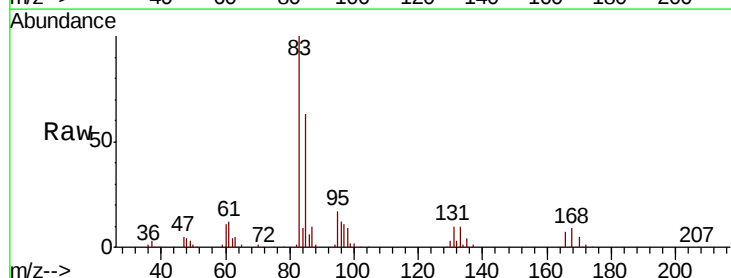
Tgt Ion: 83 Resp: 175908

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.3

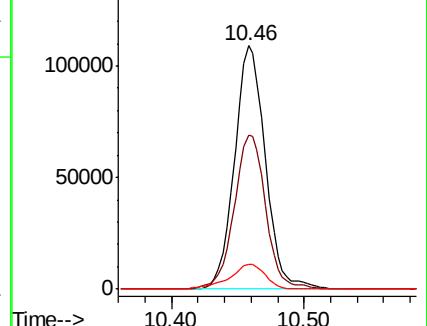
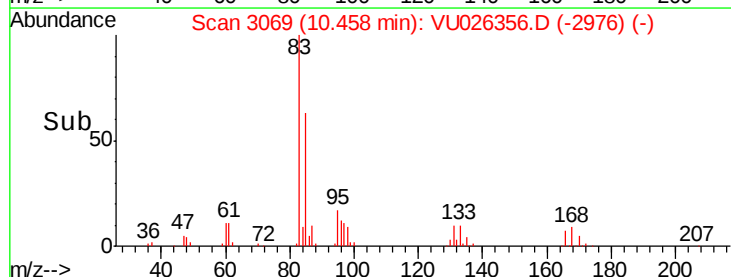
131 10.2 8.2 12.2

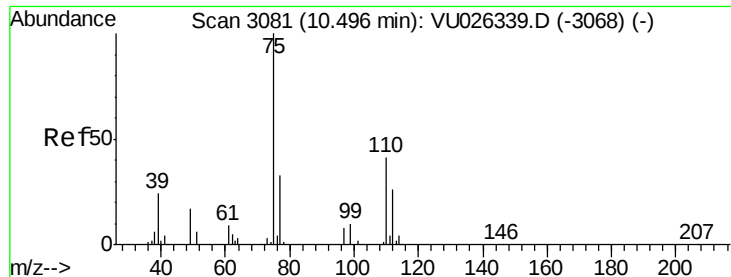


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

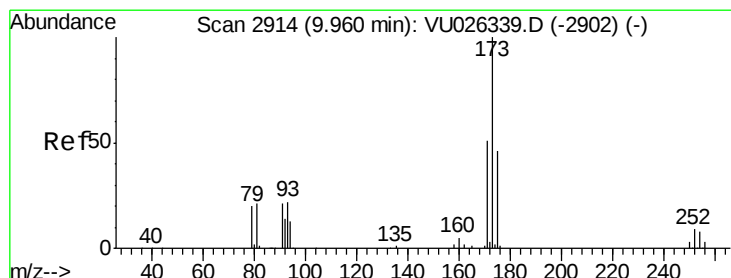
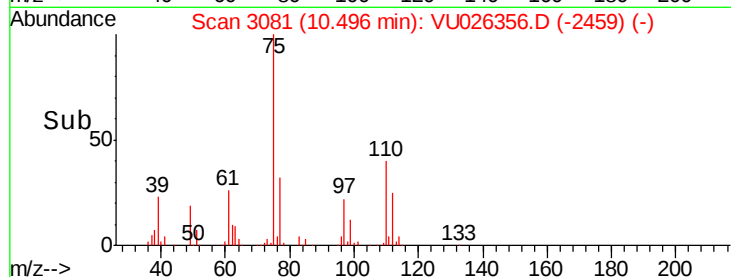
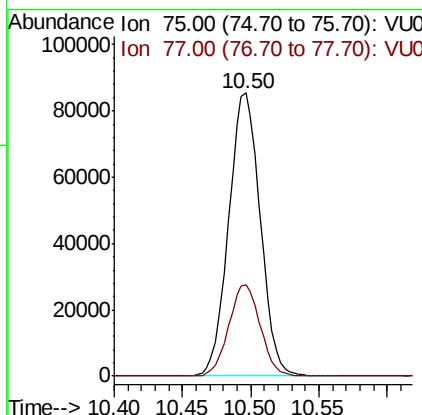
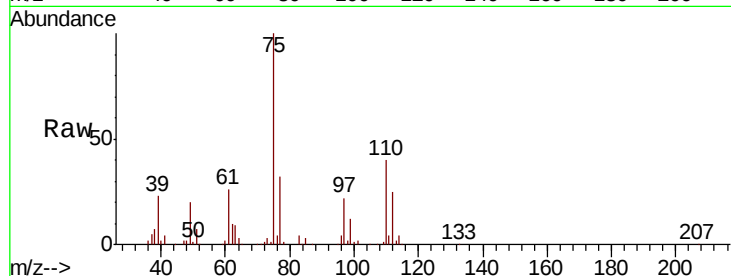




#59
 1,2,3-Trichloropropane
 Concen: 46.859 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

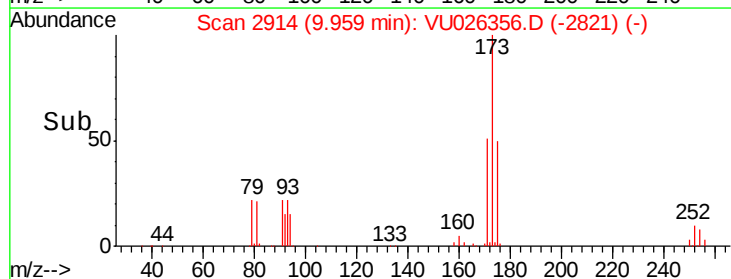
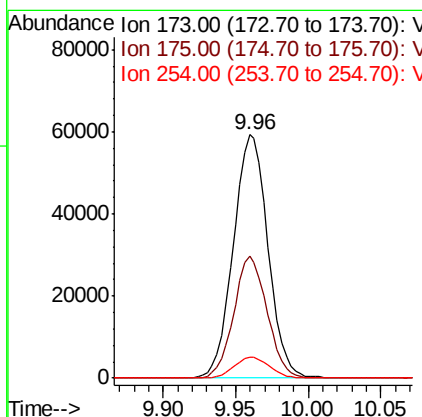
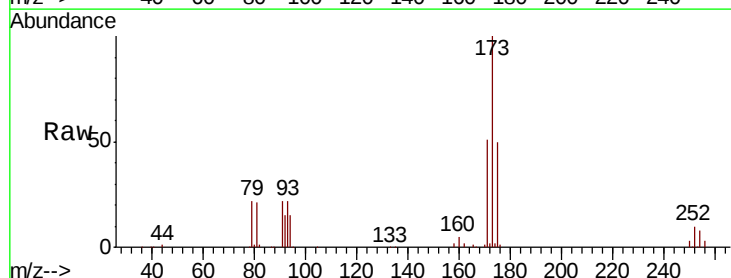
Instrument :
 MSVOA_U
 ClientSampleId :

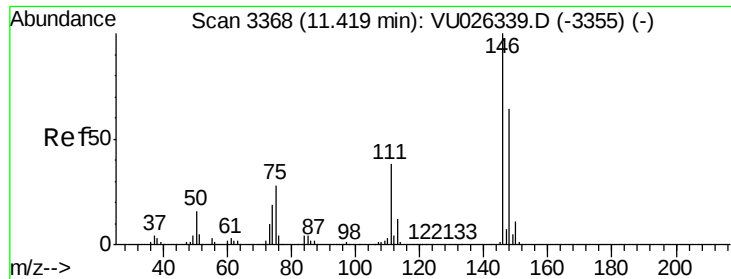
Tot Ion: 75 Resp: 137300
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 47.123 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion: 173 Resp: 98006
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.4 59.2
 254 8.7 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 46.507 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026356.D

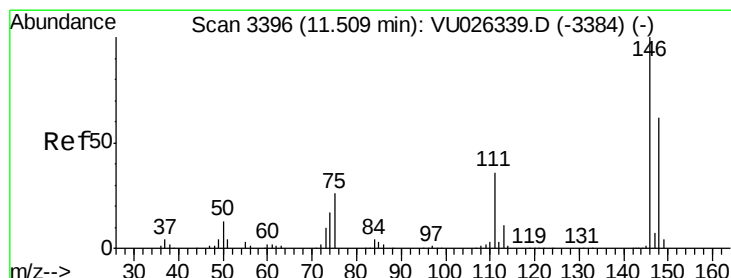
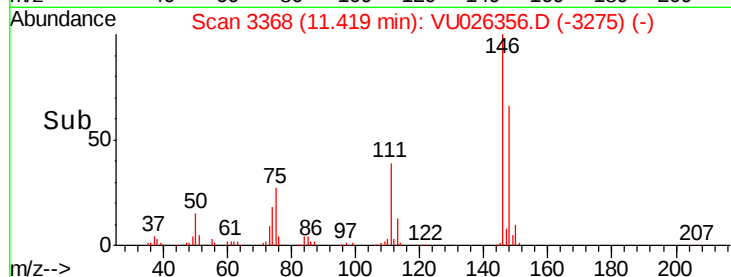
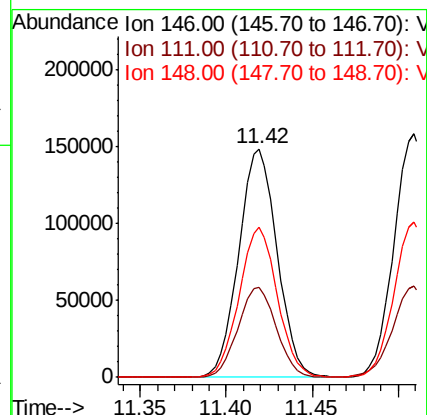
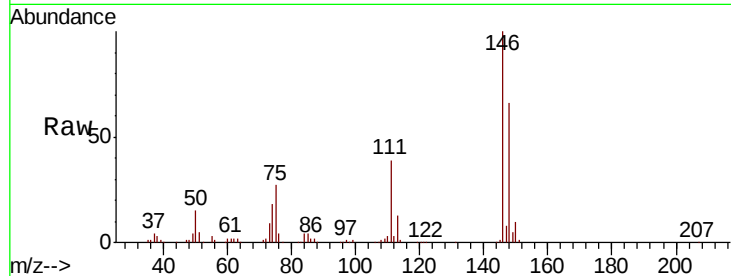
Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	230165
Ion	Ratio	Lower Upper
146	100	
111	39.5	26.9 50.1
148	65.8	43.7 81.1



#63

1,4-Dichlorobenzene

Concen: 47.213 ug/L

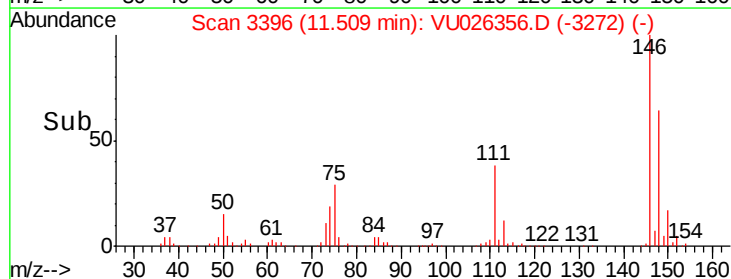
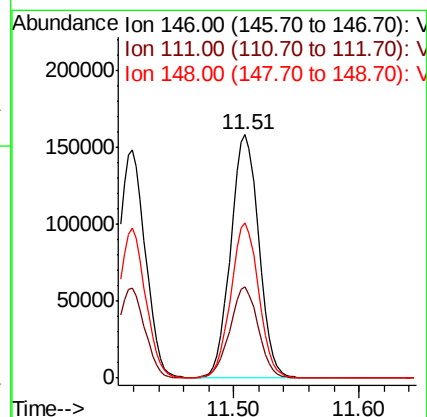
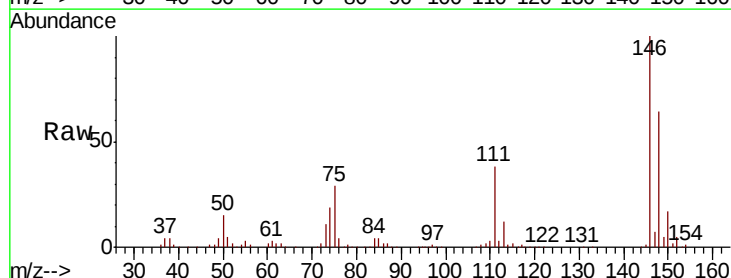
RT: 11.51 min Scan# 3396

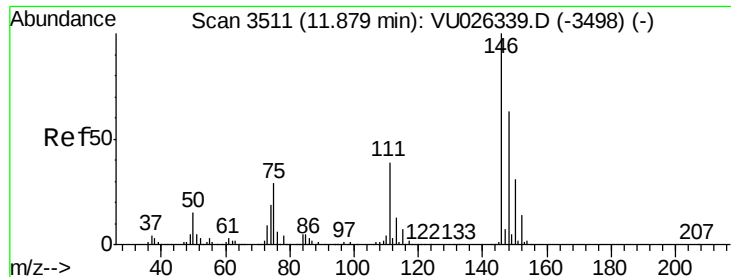
Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Tgt Ion:146	Resp:	246893
Ion	Ratio	Lower Upper
146	100	
111	37.5	25.9 48.1
148	63.7	44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 47.668 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

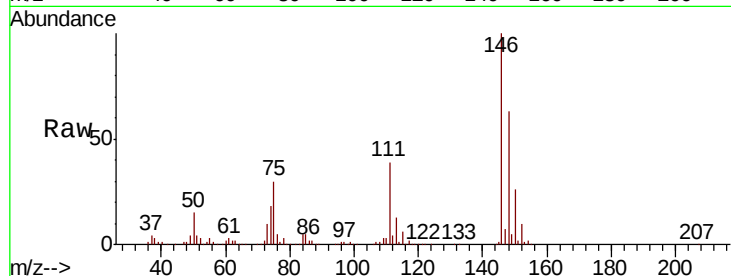
Tot Ion:146 Resp: 248131

Ion Ratio Lower Upper

146 100

111 38.5 32.6 48.8

148 62.9 51.0 76.4

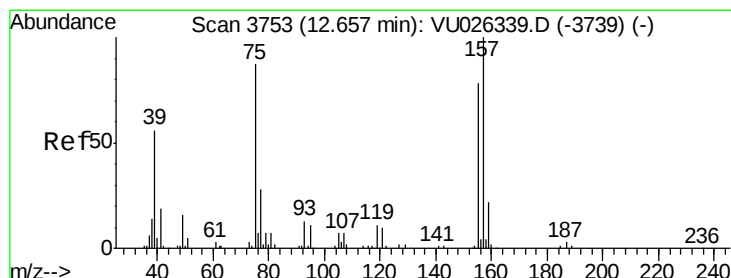
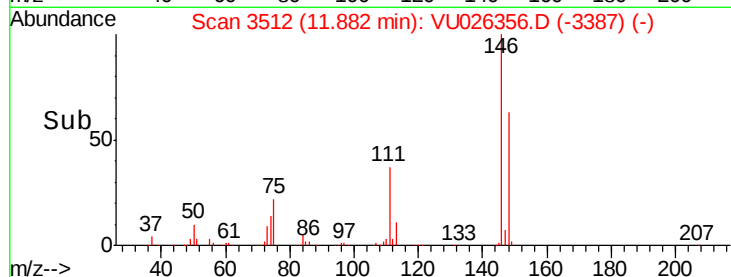
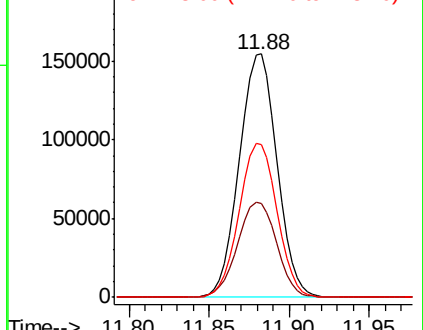


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 42.984 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

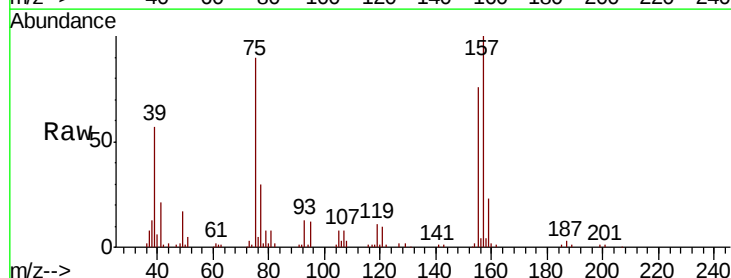
Tgt Ion: 75 Resp: 37379

Ion Ratio Lower Upper

75 100

155 84.4 65.0 97.6

157 110.8 87.5 131.3

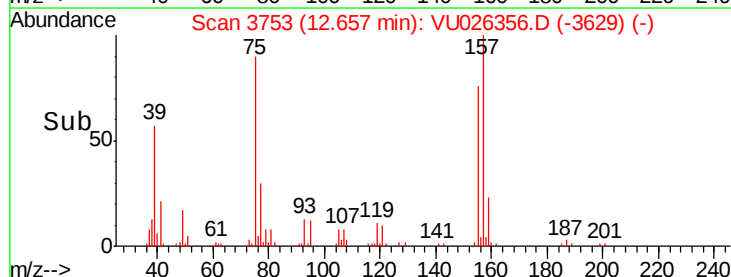
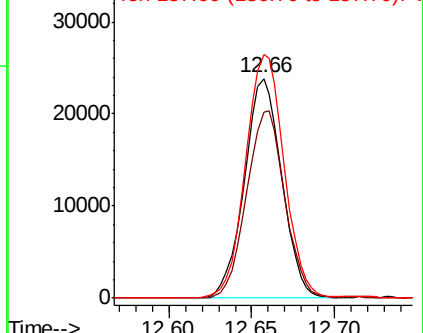


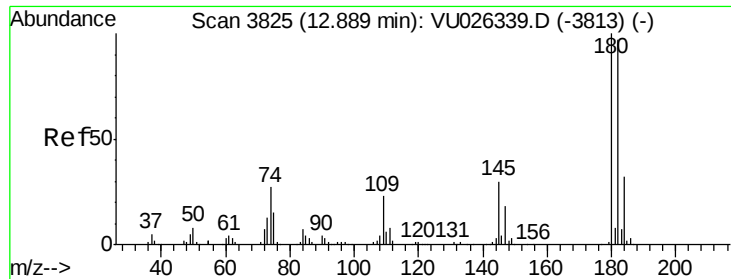
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

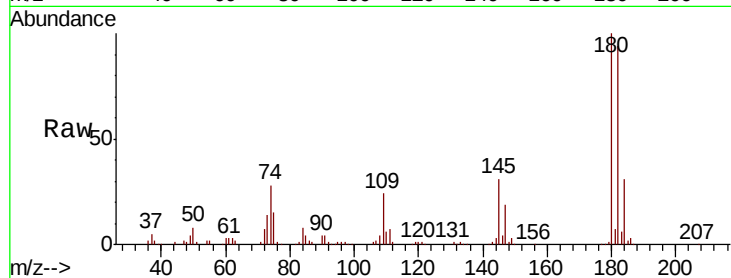




#67
 1,3,5-Trichlorobenzene
 Concen: 47.718 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.9	116.9
184	30.7	24.2	36.4
145	30.3	23.4	35.2



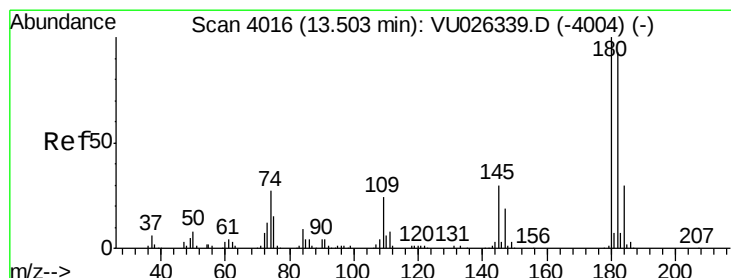
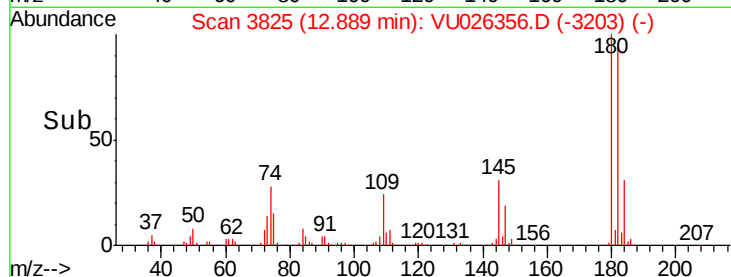
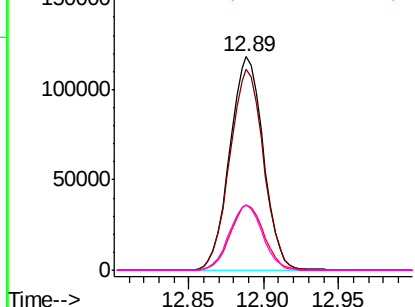
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

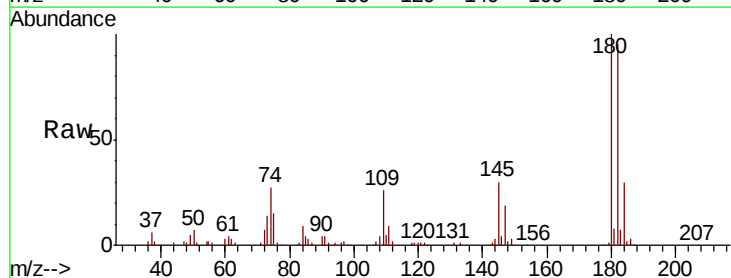
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.434 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026356.D
 Acq: 25 Aug 2018 00:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
145	29.5	23.8	35.8

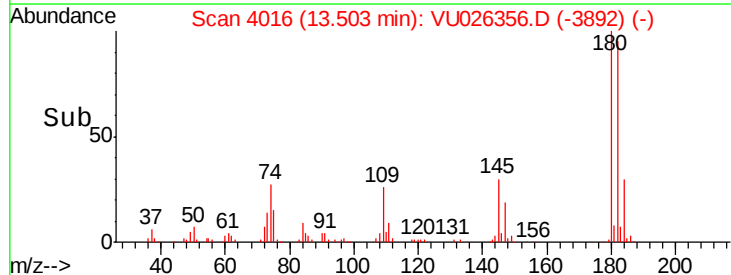
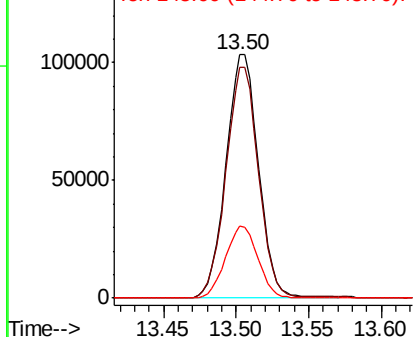


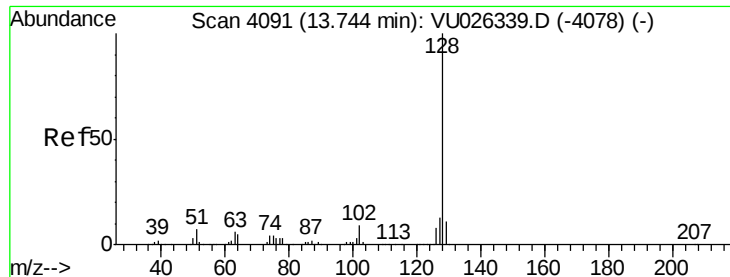
Abundance

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: 48.823 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

Instrument :

MSVOA_U

ClientSampleId :

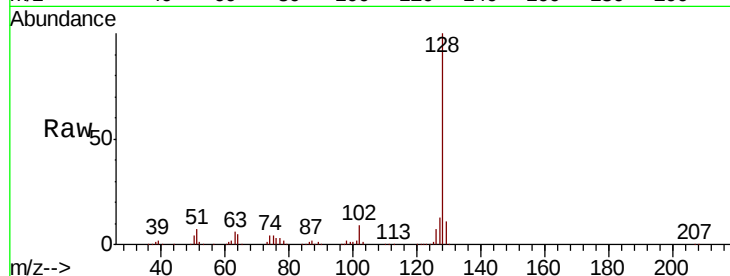
Tot Ion:128 Resp: 493262

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

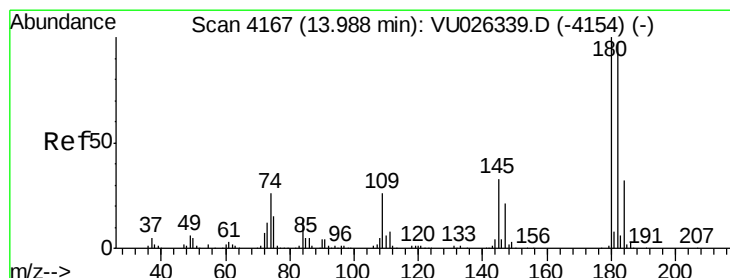
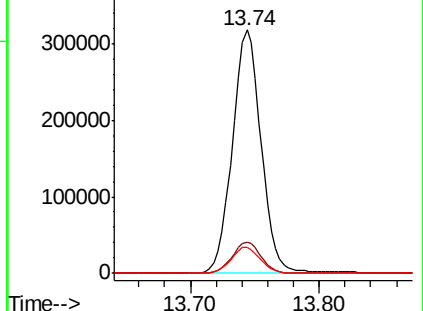
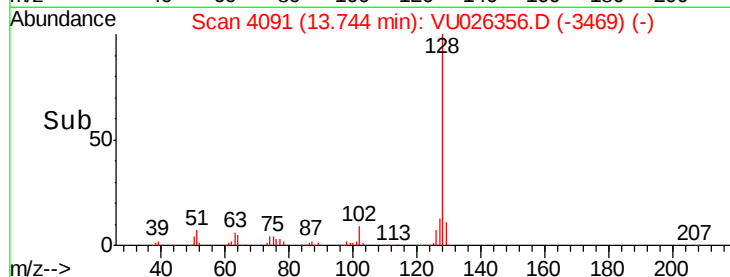
129 10.7 8.4 12.6



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: 49.368 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026356.D

Acq: 25 Aug 2018 00:05

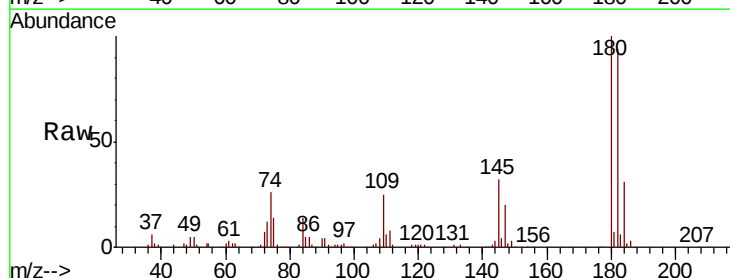
Tgt Ion:180 Resp: 178377

Ion Ratio Lower Upper

180 100

182 94.2 77.6 116.4

145 31.9 26.2 39.2



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

