

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112718\
 Data File : VU028348.D
 Acq On : 27 Nov 2018 20:13
 Operator : MD/SY
 Sample : VU1127WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

Quant Time: Nov 28 04:22:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	197767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	357538	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	330309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	153939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	182724	62.14	ug/l	0.00
Spiked Amount			Recovery	=	124.28%	
35) Dibromofluoromethane	4.88	113	125452	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
50) Toluene-d8	7.57	98	483036	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
62) 4-Bromofluorobenzene	10.30	95	174947	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	42028	16.724	ug/l	100
3) Chloromethane	1.33	50	93653	30.815	ug/l	98
4) Vinyl Chloride	1.40	62	65545	21.729	ug/l	97
5) Bromomethane	1.61	94	24973	22.461	ug/l	99
6) Chloroethane	1.69	64	41184	23.692	ug/l	97
7) Trichlorofluoromethane	1.88	101	74654	21.417	ug/l	98
8) Diethyl Ether	2.10	74	36625	24.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	44260	21.375	ug/l	99
10) Methyl Iodide	2.41	142	40299	25.662	ug/l	100
11) Tert butyl alcohol	2.83	59	90579	116.366	ug/l	98
12) 1,1-Dichloroethene	2.28	96	42569	20.538	ug/l	94
13) Acrolein	2.20	56	18091	57.965	ug/l	97
14) Allyl chloride	2.59	41	113559	22.417	ug/l	99
15) Acrylonitrile	2.94	53	227905	119.193	ug/l	99
16) Acetone	2.32	43	219391	120.262	ug/l	99
17) Carbon Disulfide	2.48	76	142707	21.064	ug/l	99
18) Methyl Acetate	2.61	43	127830	25.473	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	186481	22.310	ug/l	99
20) Methylene Chloride	2.70	84	78236	29.373	ug/l	94
21) trans-1,2-Dichloroethene	2.98	96	49492	20.691	ug/l	91
22) Diisopropyl ether	3.57	45	239463	22.897	ug/l	97
23) Vinyl Acetate	3.52	43	989019	110.034	ug/l	99
24) 1,1-Dichloroethane	3.44	63	117688	22.592	ug/l	99
25) 2-Butanone	4.26	43	342982	118.178	ug/l	100
26) 2,2-Dichloropropane	4.23	77	88387	22.609	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	60362	22.503	ug/l	96
28) Bromochloromethane	4.55	49	63476	25.992	ug/l	94
29) Tetrahydrofuran	4.64	42	217302	112.130	ug/l	99
30) Chloroform	4.67	83	107140	22.431	ug/l	97
31) Cyclohexane	4.99	56	110375	20.597	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	85802	22.567	ug/l	97
36) 1,1-Dichloropropene	5.13	75	76518	20.434	ug/l	98
37) Ethyl Acetate	4.38	43	117599	21.433	ug/l	99
38) Carbon Tetrachloride	5.13	117	66763	20.118	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	87552	19.385	ug/l	93
40) Benzene	5.39	78	245027	21.402	ug/l	99
41) Methacrylonitrile	4.54	41	66817	22.819	ug/l	99
42) 1,2-Dichloroethane	5.40	62	88094	21.647	ug/l	98
43) Isopropyl Acetate	5.55	43	188368	21.913	ug/l	99
44) Trichloroethene	6.18	130	50259	20.423	ug/l	94
45) 1,2-Dichloropropane	6.43	63	73809	22.354	ug/l	98
46) Dibromomethane	6.56	93	42123	22.195	ug/l	93
47) Bromodichloromethane	6.76	83	81245	22.214	ug/l	100
48) Methyl methacrylate	6.62	41	94732	22.489	ug/l	96
49) 1,4-Dioxane	6.61	88	33564	488.375	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	634492	110.525	ug/l	98
52) Toluene	7.64	92	139330	20.701	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	91718	20.888	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	99815	22.138	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	58767	21.461	ug/l	98
56) Ethyl methacrylate	8.02	69	100331	20.777	ug/l	96
57) 1,3-Dichloropropane	8.24	76	107803	21.612	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	280730	108.545	ug/l	98
59) 2-Hexanone	8.36	43	487268	109.744	ug/l	99
60) Dibromochloromethane	8.48	129	55141	21.280	ug/l	98
61) 1,2-Dibromoethane	8.58	107	59330	20.391	ug/l	95
64) Tetrachloroethene	8.22	164	43205	20.172	ug/l	94
65) Chlorobenzene	9.12	112	141652	20.298	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	49054	20.580	ug/l	99
67) Ethyl Benzene	9.25	91	263015	20.476	ug/l	98
68) m/p-Xylenes	9.37	106	186635	40.044	ug/l	97
69) o-Xylene	9.78	106	95771	20.349	ug/l	100
70) Styrene	9.79	104	152855	20.327	ug/l	99
71) Bromoform	9.96	173	41473	20.761	ug/l #	99
73) Isopropylbenzene	10.16	105	249827	20.949	ug/l	100
74) N-amyl acetate	10.01	43	156204	21.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	107546	22.357	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	125374	29.775	ug/l	81
77) Bromobenzene	10.45	156	57479	21.020	ug/l	95
78) n-propylbenzene	10.58	91	303097	21.233	ug/l	97
79) 2-Chlorotoluene	10.66	91	182311	21.307	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	208463	21.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	125374	74.215	ug/l #	100
82) 4-Chlorotoluene	10.77	91	203093	20.908	ug/l	99
83) tert-Butylbenzene	11.10	119	198677	20.117	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	210188	21.129	ug/l	99
85) sec-Butylbenzene	11.32	105	251721	20.958	ug/l	98
86) p-Isopropyltoluene	11.48	119	203243	20.242	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	104205	20.629	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	102849	19.864	ug/l	98
89) n-Butylbenzene	11.89	91	193302	20.257	ug/l	99
90) Hexachloroethane	12.14	117	30802	17.230	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	105609	20.789	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23931	23.610	ug/l	93

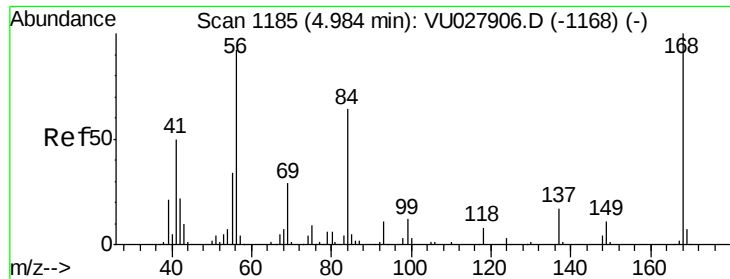
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	62369	17.951	ug/l	99
94) Hexachlorobutadiene	13.69	225	30208	18.710	ug/l	98
95) Naphthalene	13.74	128	242005	19.053	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67669	19.852	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

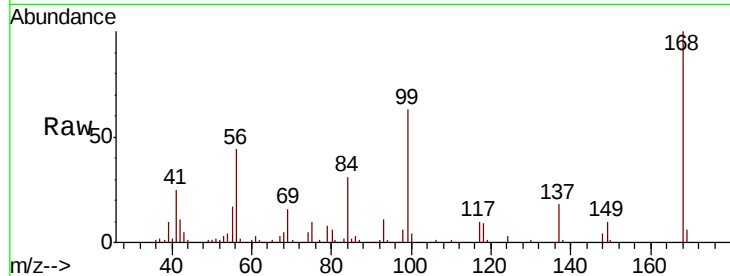
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion:168 Resp: 197767

Ion Ratio Lower Upper

168 100

99 62.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028348.D (-1092) (-)

4.98

80000

60000

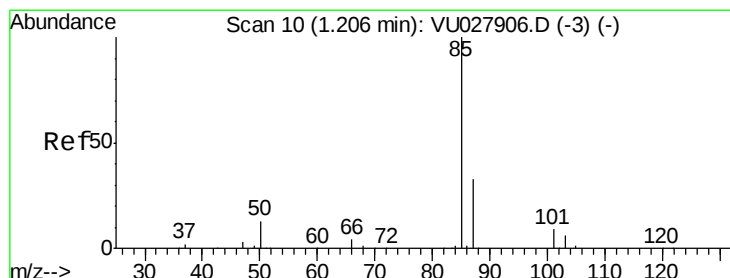
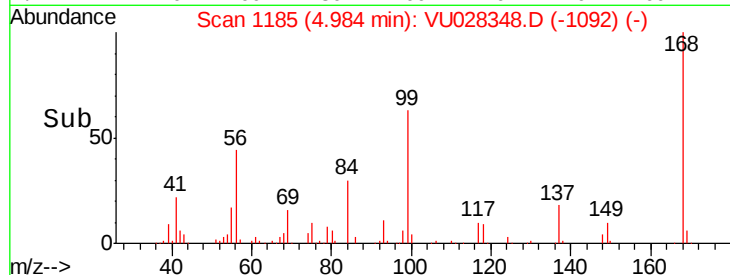
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.724 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028348.D

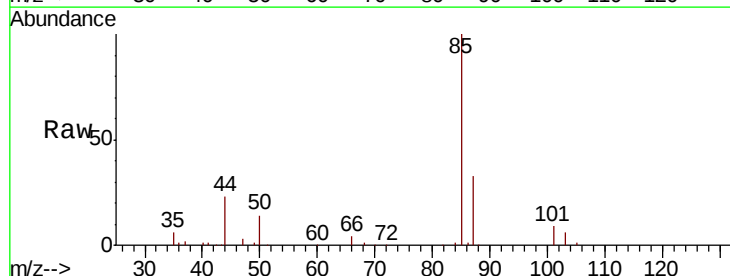
Acq: 27 Nov 2018 20:13

Tgt Ion: 85 Resp: 42028

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028348.D (-1) (-)

1.21

50000

40000

30000

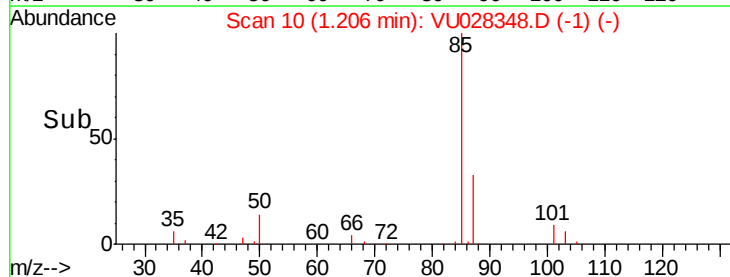
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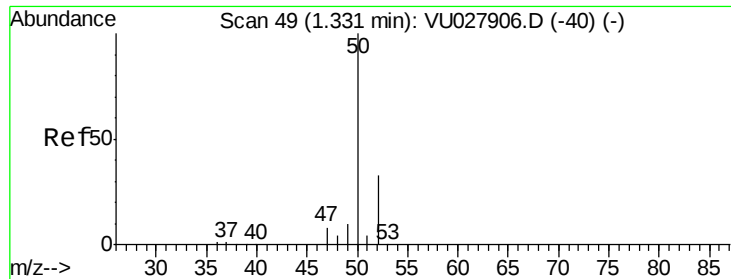
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 30.815 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

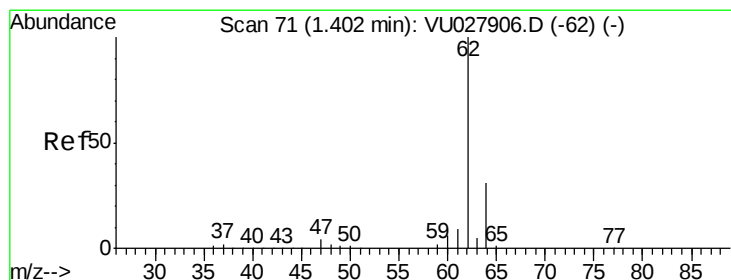
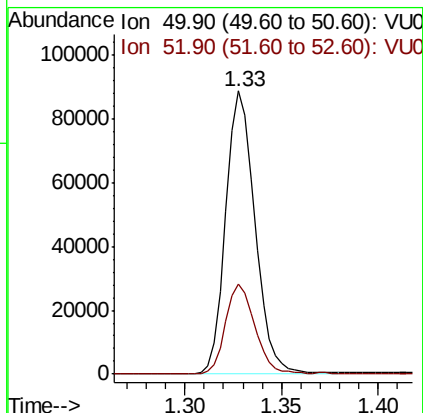
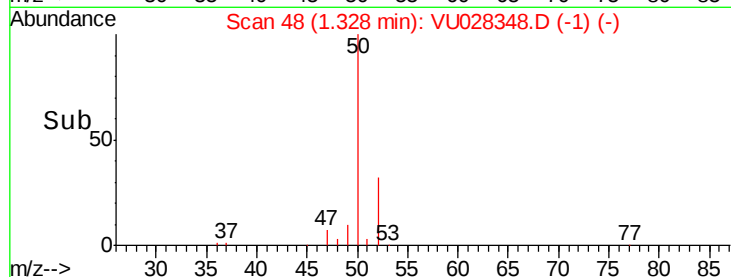
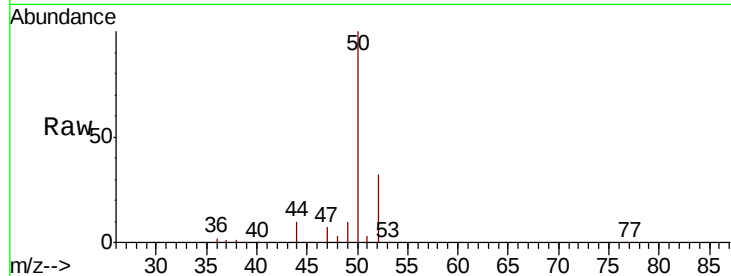
VU1127WBS02

Tot Ion: 50 Resp: 93653

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.4



#4

Vinyl Chloride

Concen: 21.729 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028348.D

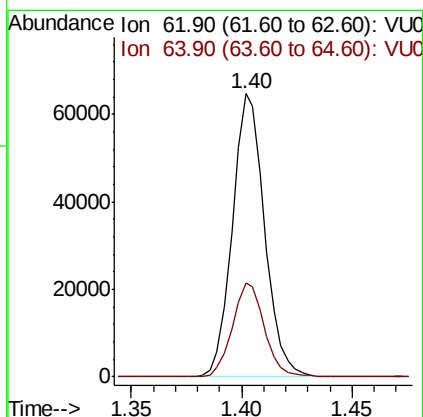
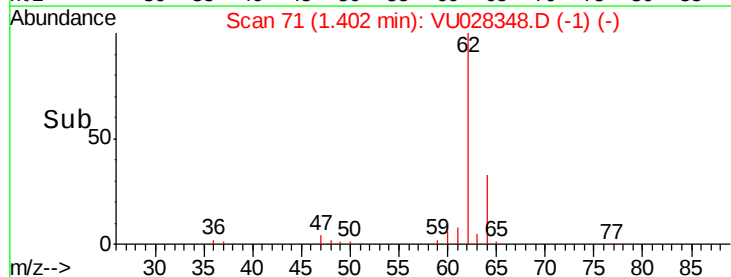
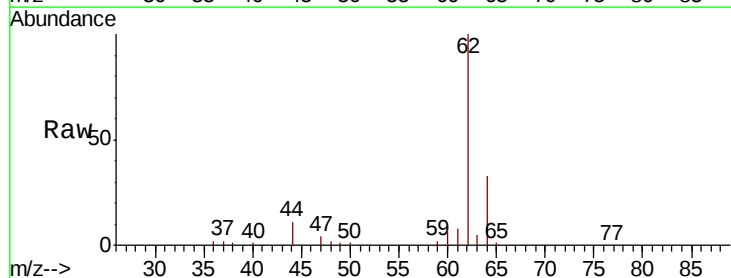
Acq: 27 Nov 2018 20:13

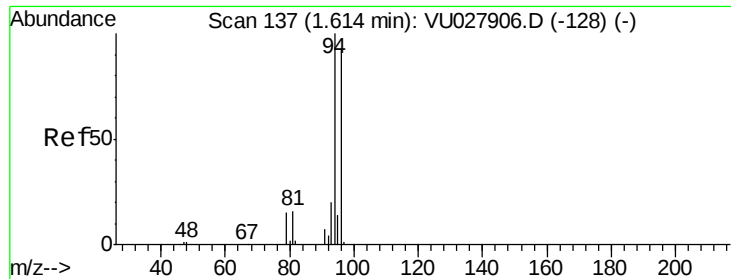
Tgt Ion: 62 Resp: 65545

Ion Ratio Lower Upper

62 100

64 33.0 25.2 37.8





#5

Bromomethane

Concen: 22.461 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

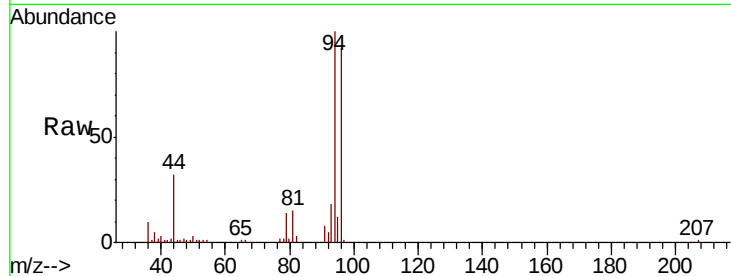
VU1127WBS02

Tot Ion: 94 Resp: 24973

Ion Ratio Lower Upper

94 100

96 92.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028348.D (-44) (-)

1.61

20000

15000

10000

5000

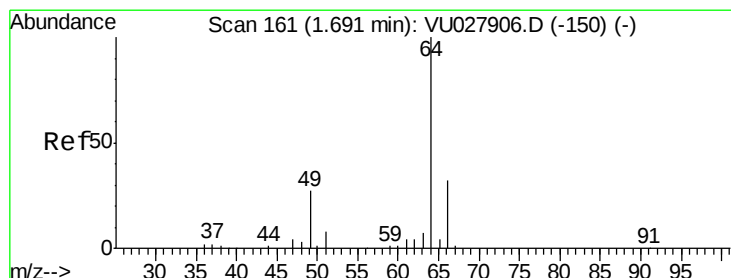
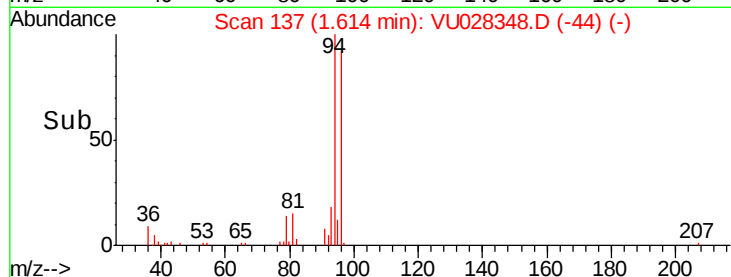
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Time-->

1.55

1.60

1.65



#6

Chloroethane

Concen: 23.692 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028348.D

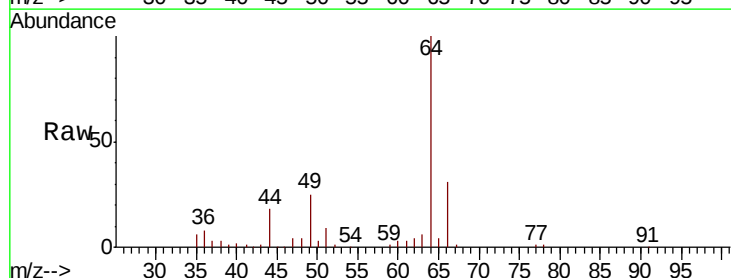
Acq: 27 Nov 2018 20:13

Tgt Ion: 64 Resp: 41184

Ion Ratio Lower Upper

64 100

66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028348.D (-68) (-)

1.69

30000

20000

10000

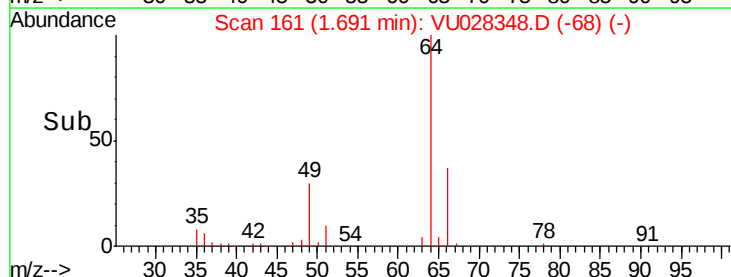
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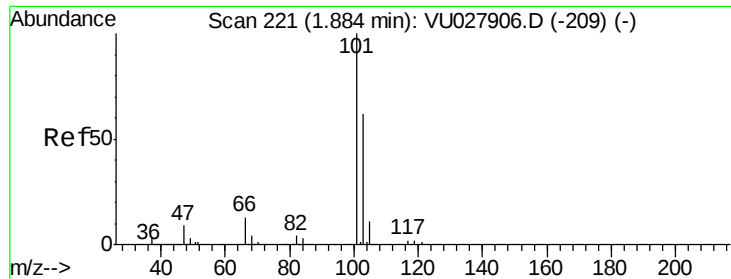
Time-->

1.65

1.70

1.75



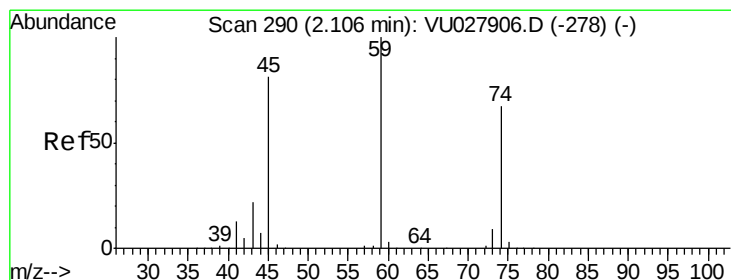
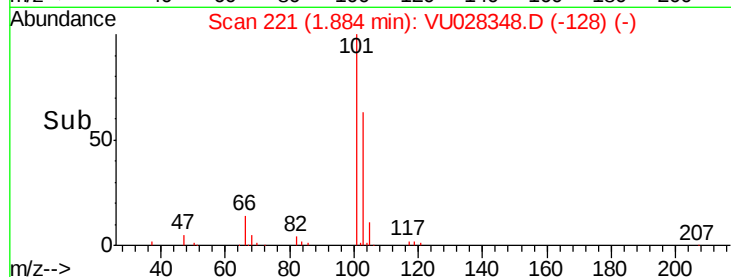
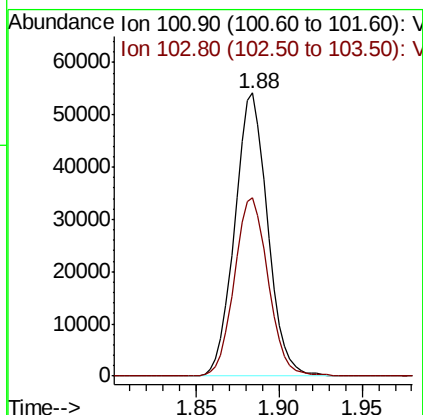
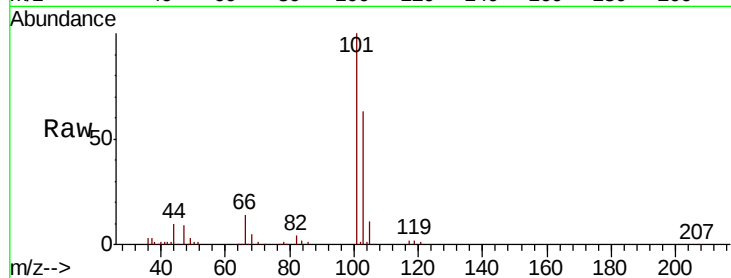


#7

Trichlorofluoromethane
 Concen: 21.417 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Instrument :
 MSVOA_U
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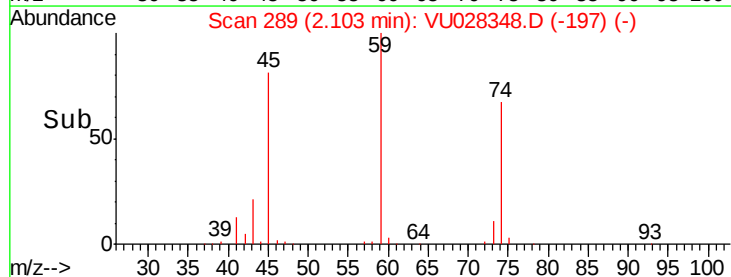
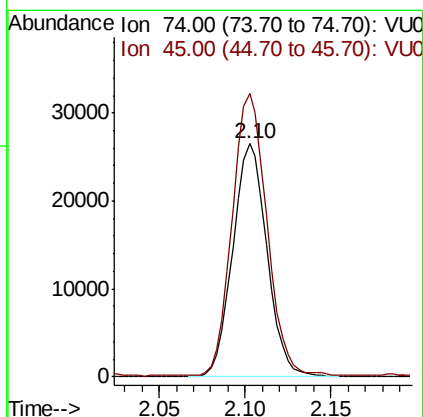
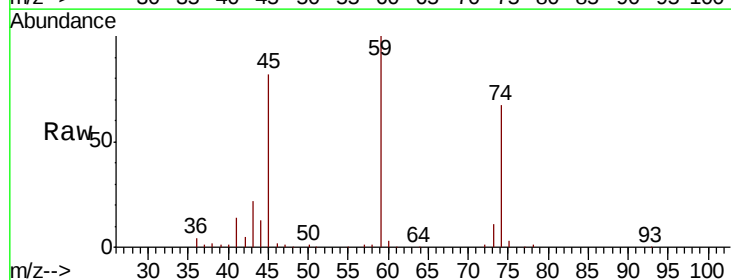
Tot Ion:101 Resp: 74654
 Ion Ratio Lower Upper
 101 100
 103 63.1 49.4 74.2

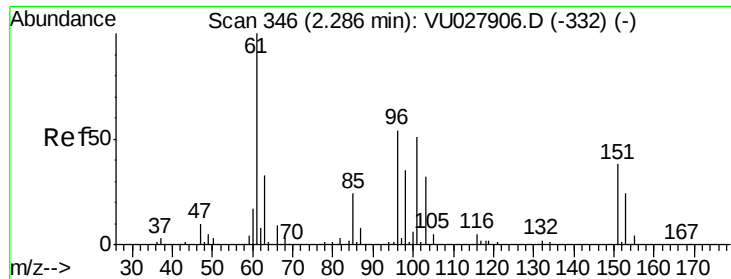


#8

Diethyl Ether
 Concen: 24.539 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 74 Resp: 36625
 Ion Ratio Lower Upper
 74 100
 45 122.2 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.375 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

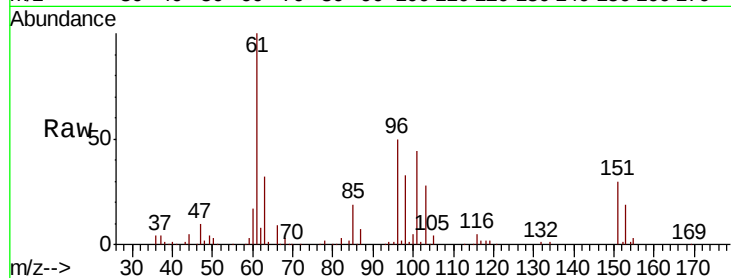
Tot Ion:101 Resp: 44260

Ion Ratio Lower Upper

101 100

85 45.6 36.9 55.3

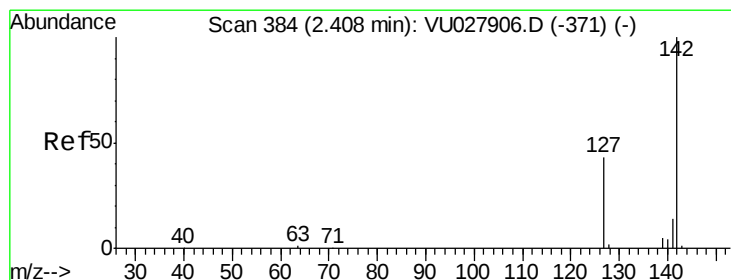
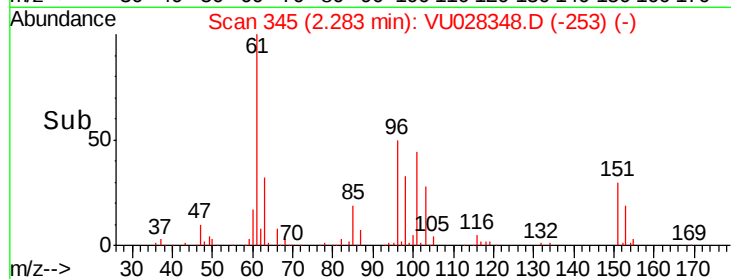
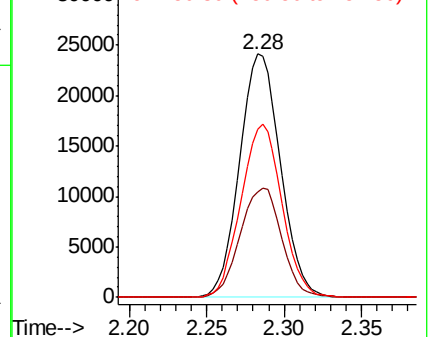
151 71.3 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.662 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

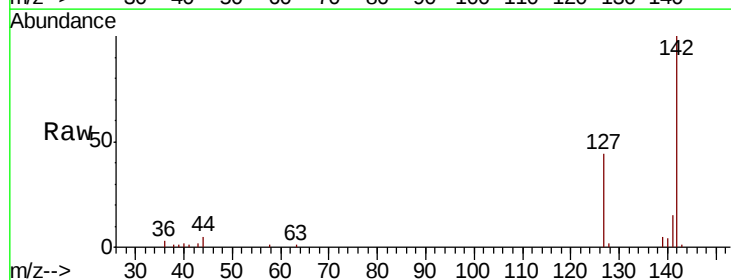
Tgt Ion:142 Resp: 40299

Ion Ratio Lower Upper

142 100

127 43.7 35.2 52.8

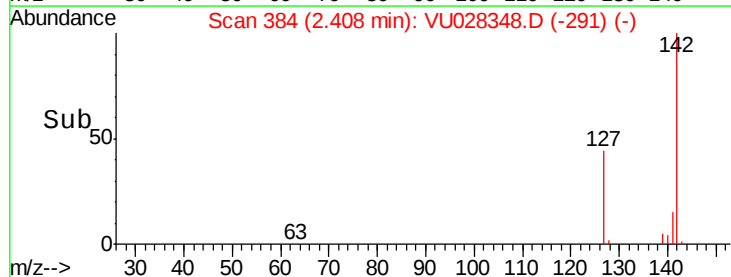
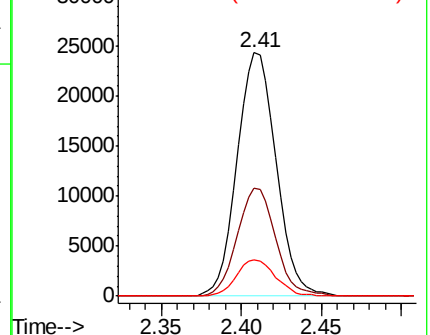
141 14.8 11.8 17.8

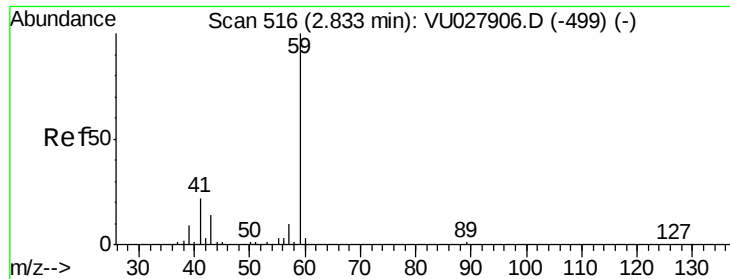


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

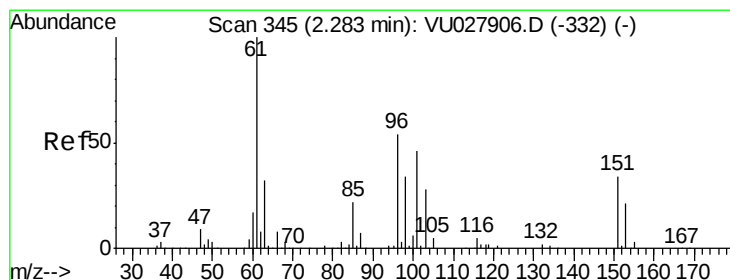
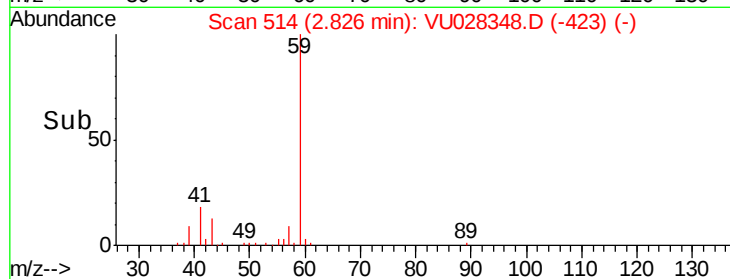
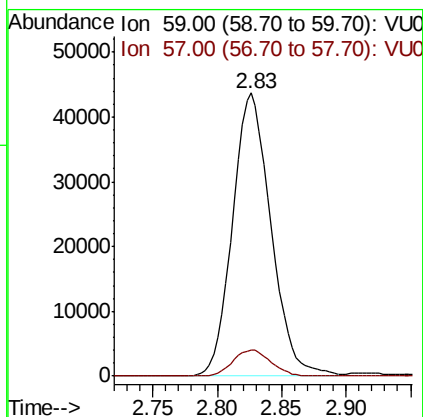
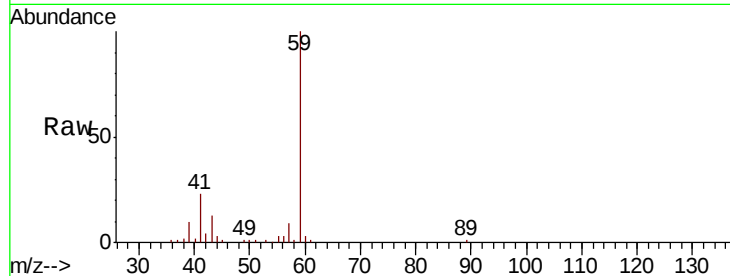




#11
Tert butyl alcohol
Concen: 116.366 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

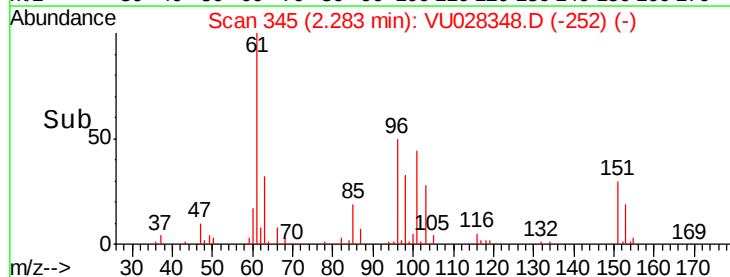
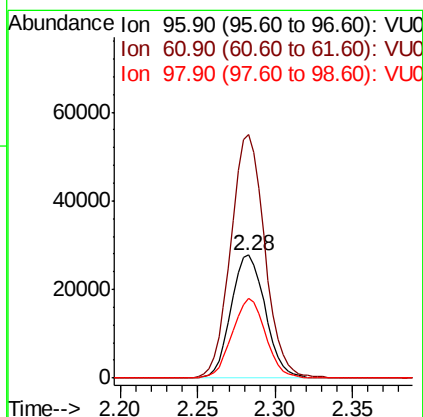
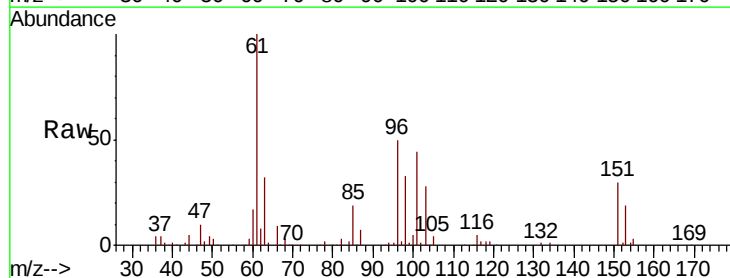
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion: 59 Resp: 90579
Ion Ratio Lower Upper
59 100
57 9.1 7.8 11.8



#12
1,1-Dichloroethene
Concen: 20.538 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 96 Resp: 42569
Ion Ratio Lower Upper
96 100
61 198.1 149.3 223.9
98 64.6 50.6 75.8





#13

Acrolein

Concen: 57.965 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

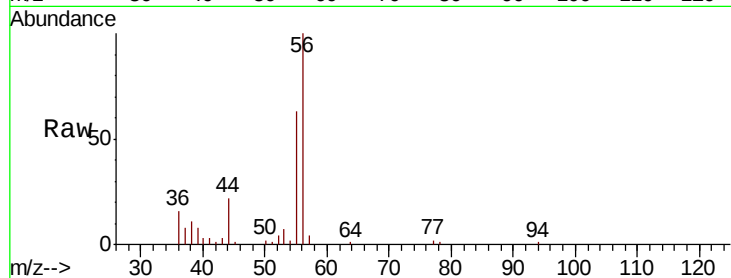
VU1127WBS02

Tot Ion: 56 Resp: 18091

Ion Ratio Lower Upper

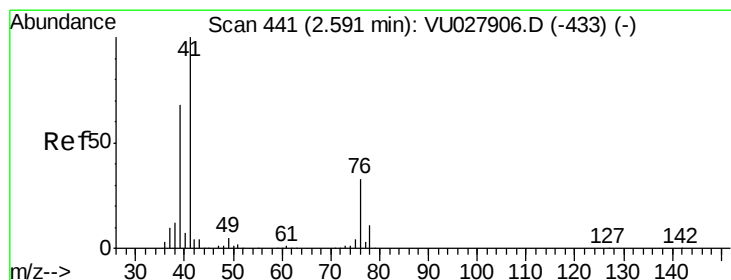
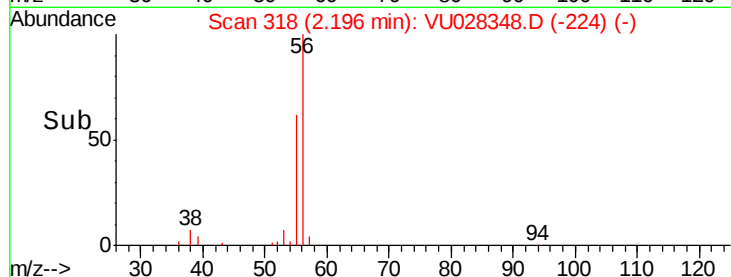
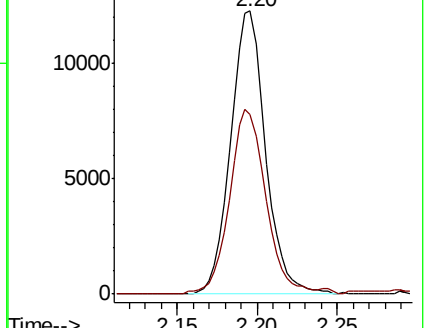
56 100

55 67.9 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU028348.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU028348.D (-224) (-)



#14

Allyl chloride

Concen: 22.417 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

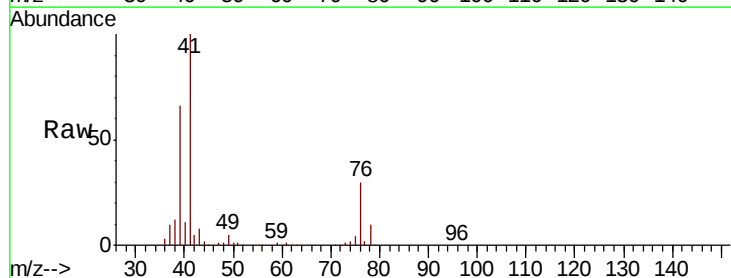
Tgt Ion: 41 Resp: 113559

Ion Ratio Lower Upper

41 100

39 64.2 51.9 77.9

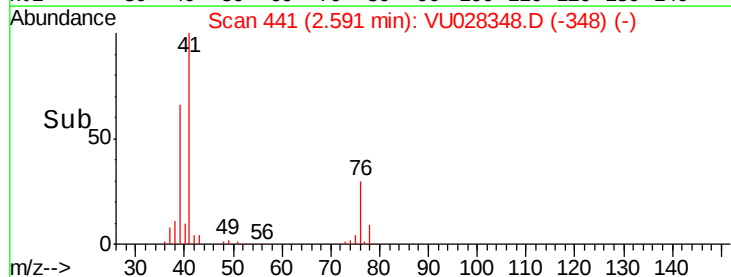
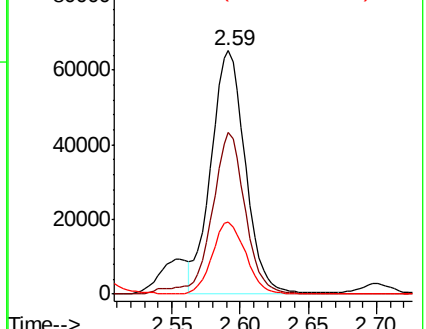
76 28.9 23.8 35.6

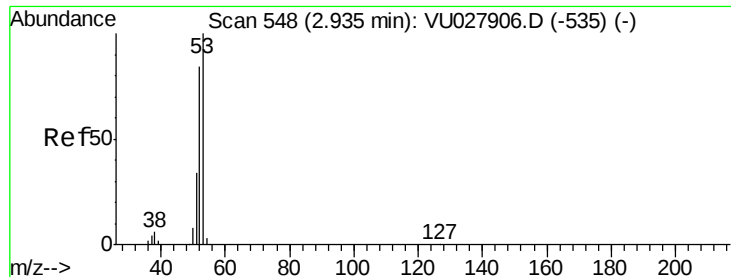


Abundance Ion 41.00 (40.70 to 41.70): VU028348.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU028348.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU028348.D (-348) (-)





#15

Acrylonitrile

Concen: 119.193 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

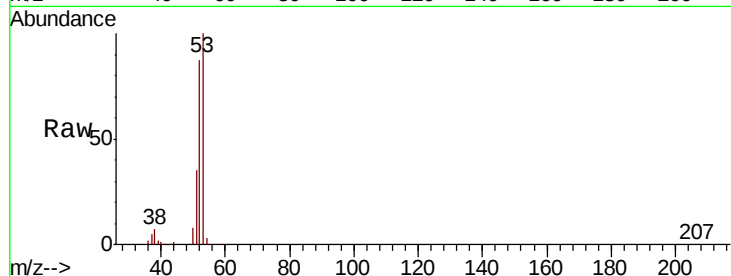
Tot Ion: 53 Resp: 227905

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

51 35.1 27.0 40.4

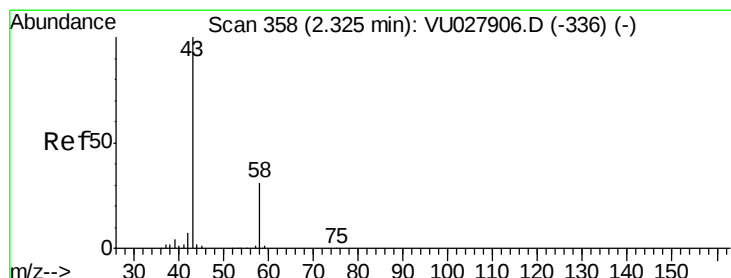
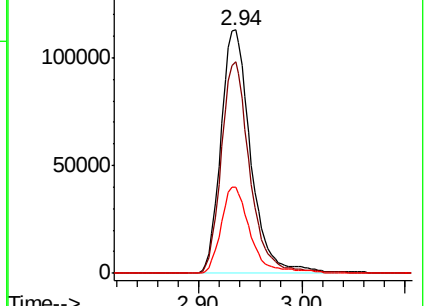
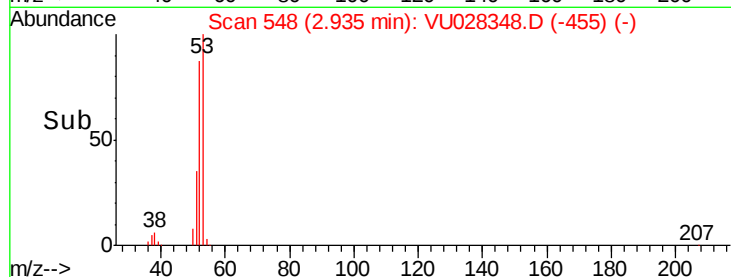


Abundance Ion 53.00 (52.70 to 53.70): VU027906.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU027906.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU027906.D (-535) (-)

2.94



#16

Acetone

Concen: 120.262 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028348.D

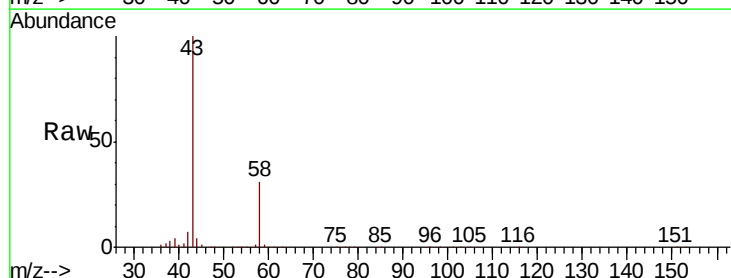
Acq: 27 Nov 2018 20:13

Tgt Ion: 43 Resp: 219391

Ion Ratio Lower Upper

43 100

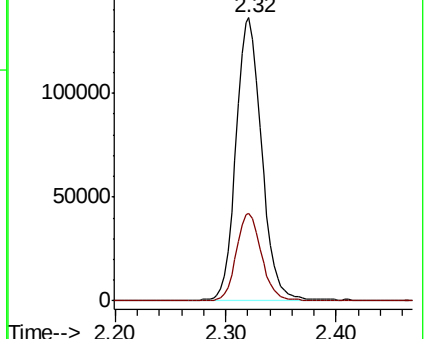
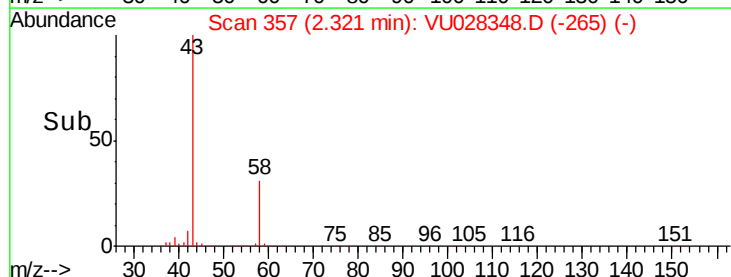
58 31.2 24.6 37.0

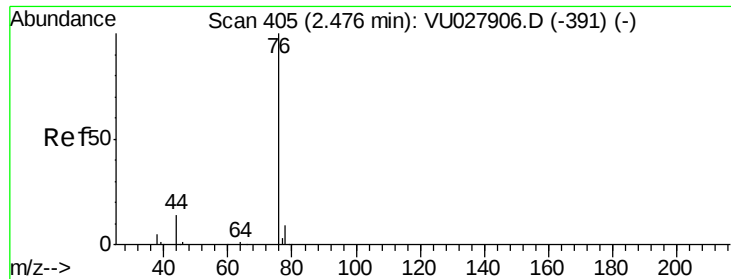


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)

2.32

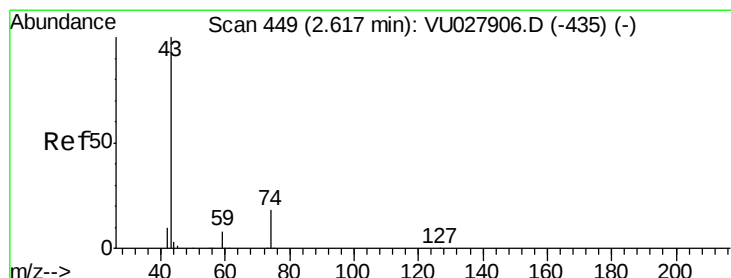
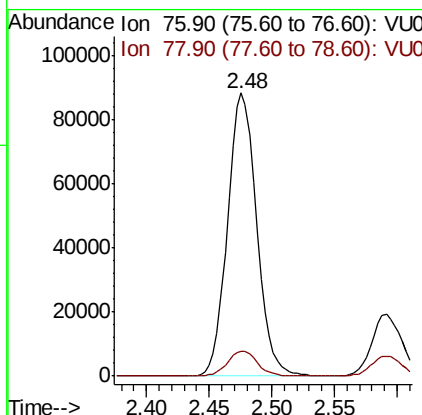
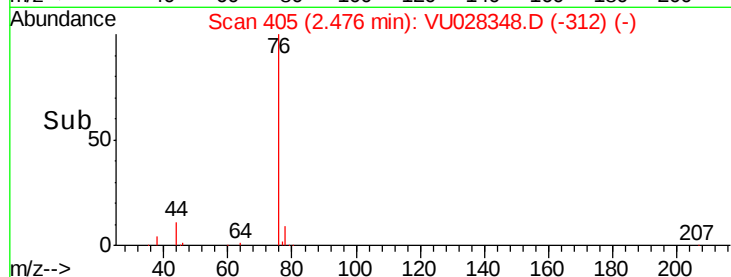
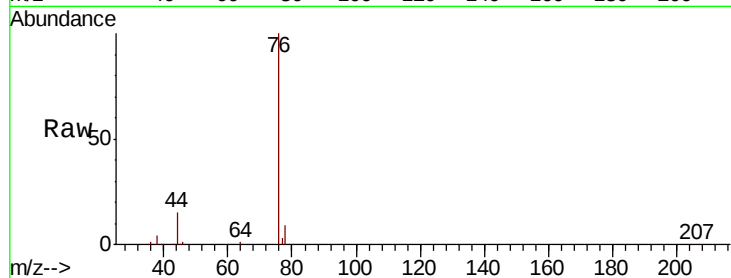




#17
Carbon Disulfide
Concen: 21.064 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

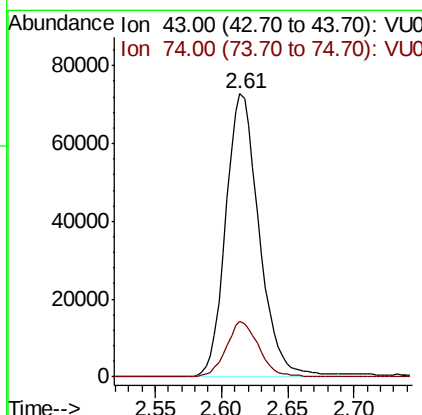
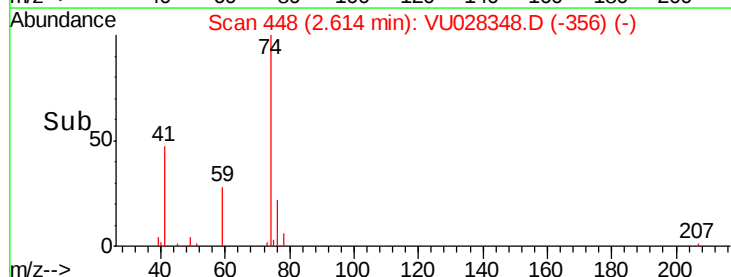
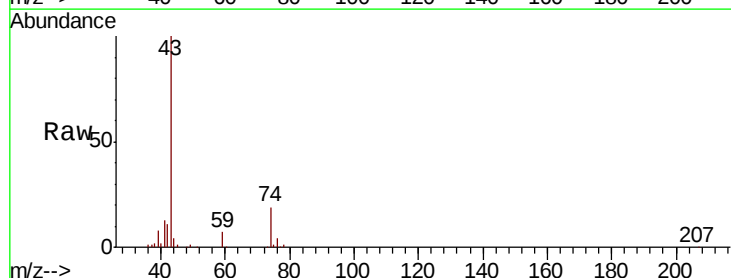
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion: 76 Resp: 142707
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 25.473 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 43 Resp: 127830
Ion Ratio Lower Upper
43 100
74 19.2 14.9 22.3



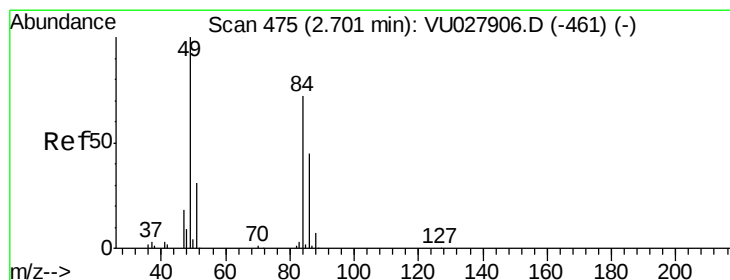
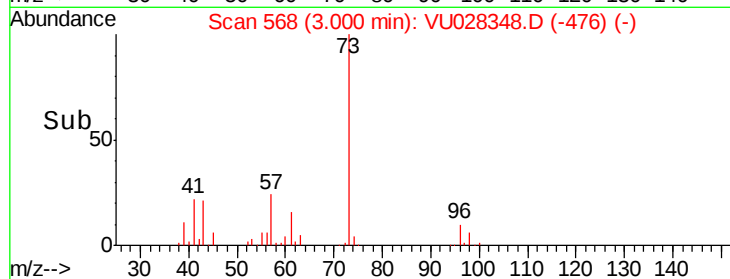
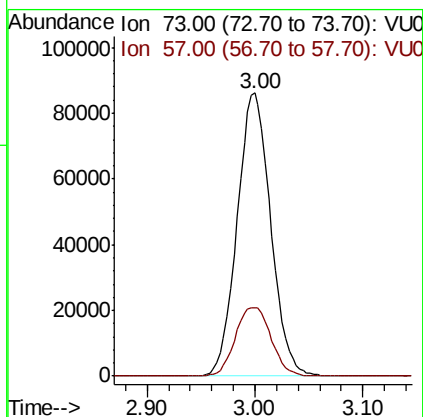
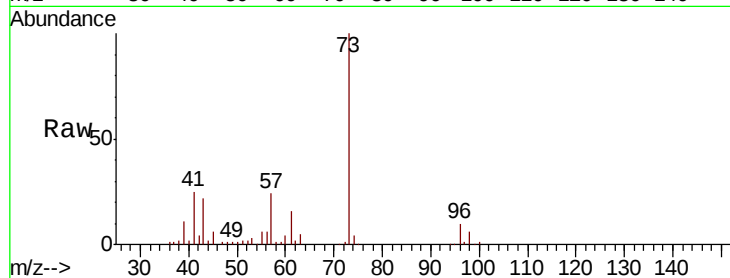


#19

Methyl tert-butyl Ether
 Concen: 22.310 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

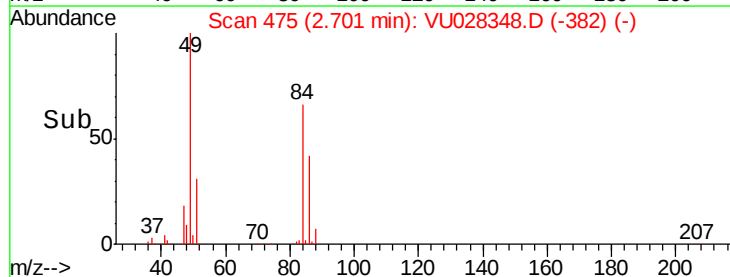
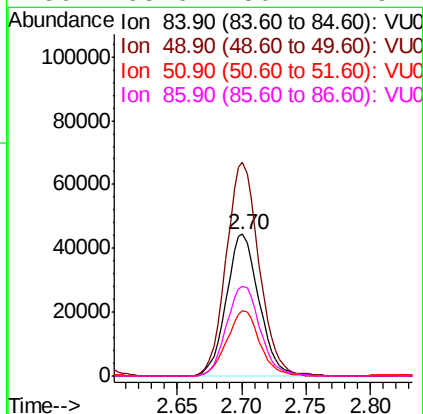
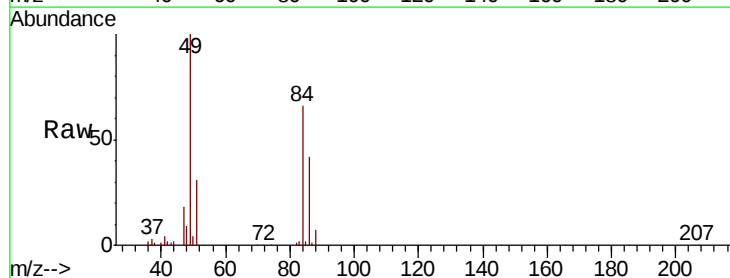
Tot Ion: 73 Resp: 186481
 Ion Ratio Lower Upper
 73 100
 57 24.4 19.3 28.9

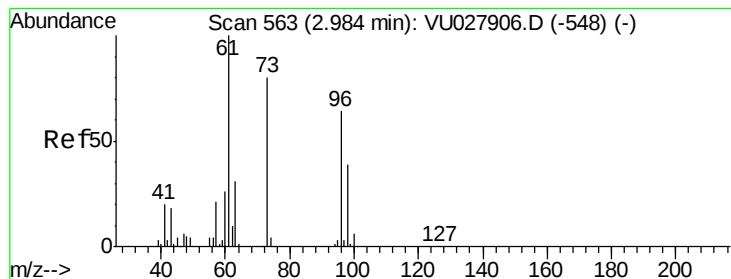


#20

Methylene Chloride
 Concen: 29.373 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 84 Resp: 78236
 Ion Ratio Lower Upper
 84 100
 49 150.8 111.6 167.4
 51 46.1 34.8 52.2
 86 63.6 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 20.691 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

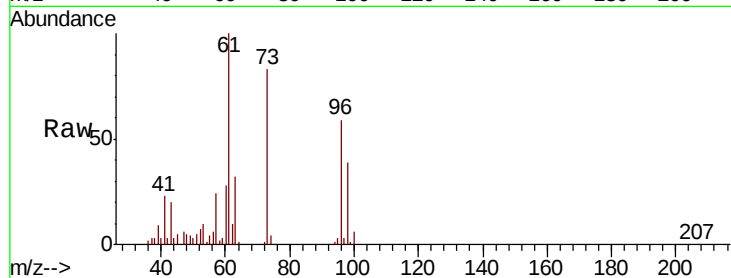
Tot Ion: 96 Resp: 49492

Ion Ratio Lower Upper

96 100

61 168.9 125.0 187.6

98 66.5 48.2 72.4

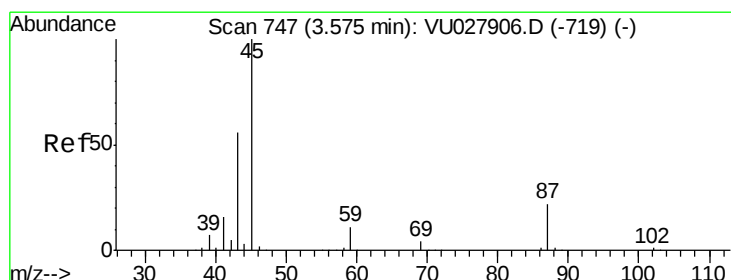
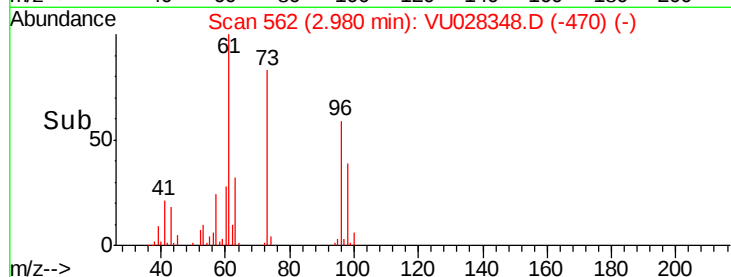
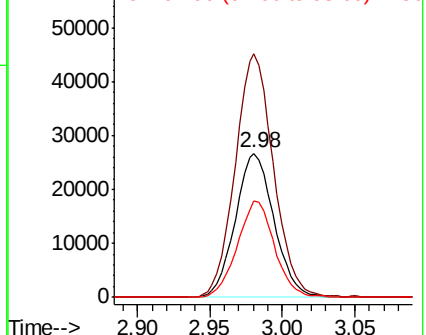


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 22.897 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Tgt Ion: 45 Resp: 239463

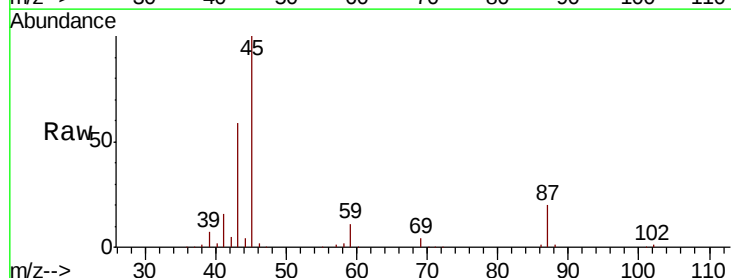
Ion Ratio Lower Upper

45 100

43 58.1 45.0 67.6

87 20.4 17.9 26.9

59 11.1 8.6 12.8



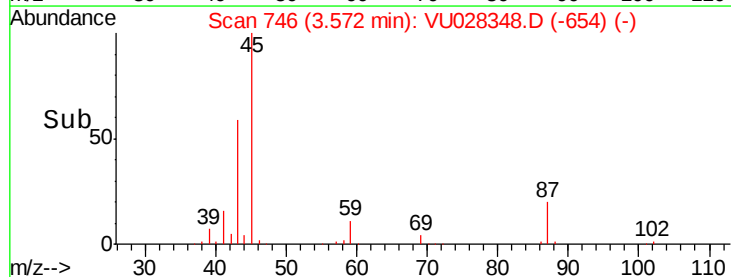
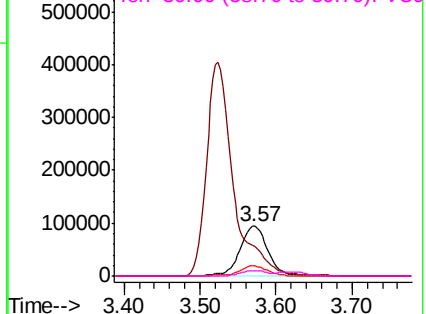
Abundance

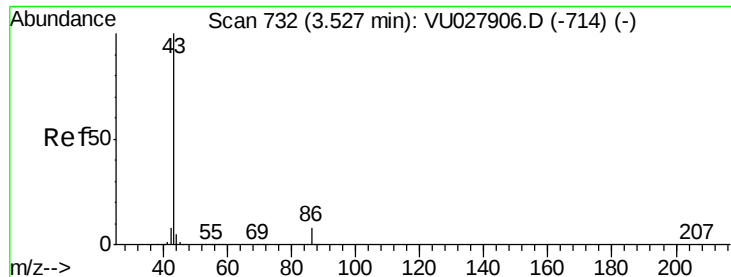
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 110.034 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

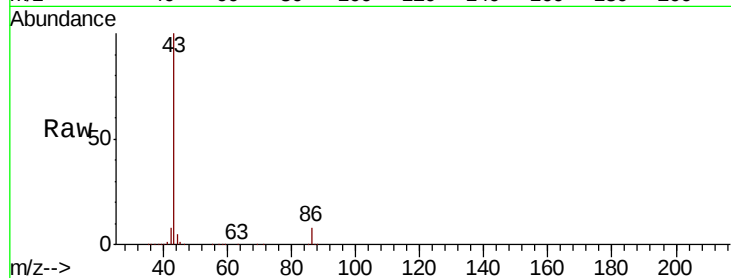
VU1127WBS02

Tot Ion: 43 Resp: 989019

Ion Ratio Lower Upper

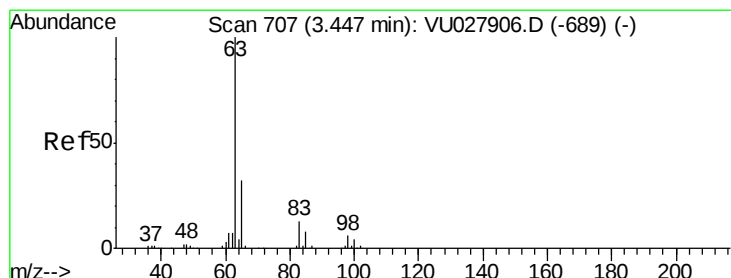
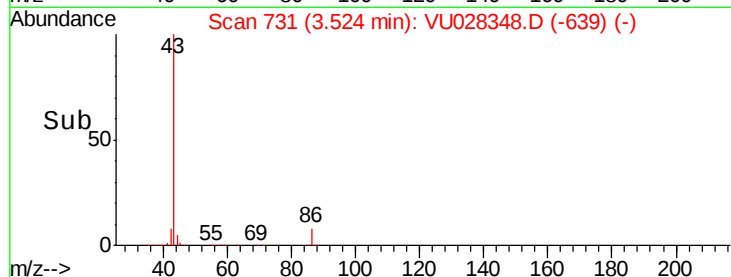
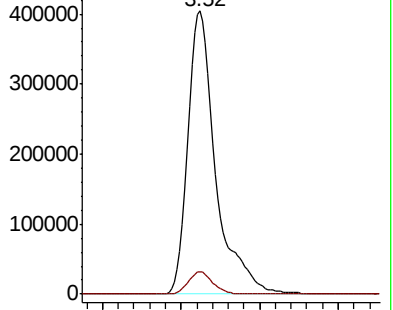
43 100

86 8.0 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU028348.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028348.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 22.592 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

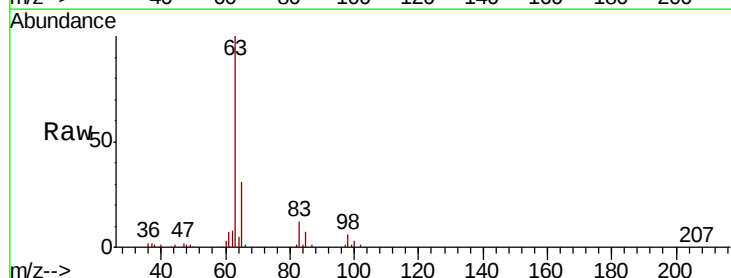
Tgt Ion: 63 Resp: 117688

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

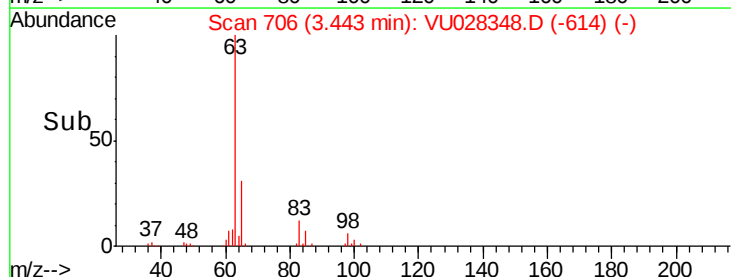
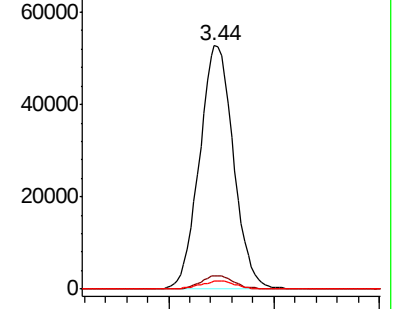
100 3.5 2.0 6.0

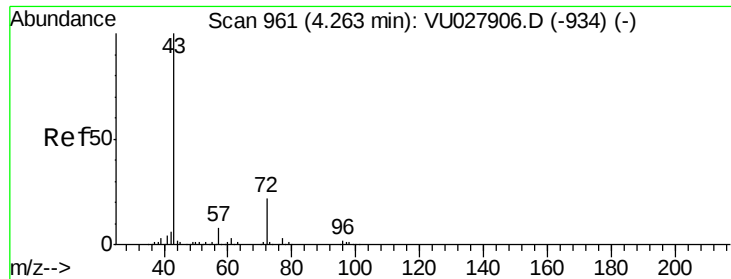


Abundance Ion 62.90 (62.60 to 63.60): VU028348.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028348.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028348.D (-614) (-)





#25

2-Butanone

Concen: 118.178 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

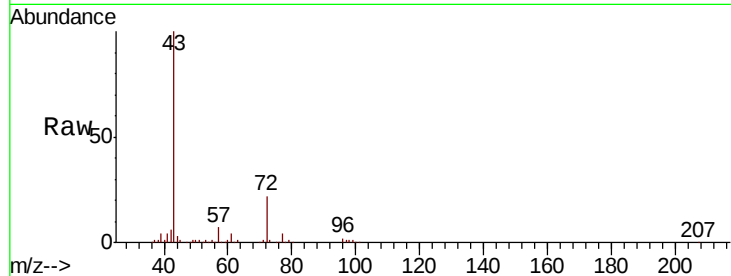
VU1127WBS02

Tot Ion: 43 Resp: 342982

Ion Ratio Lower Upper

43 100

72 22.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

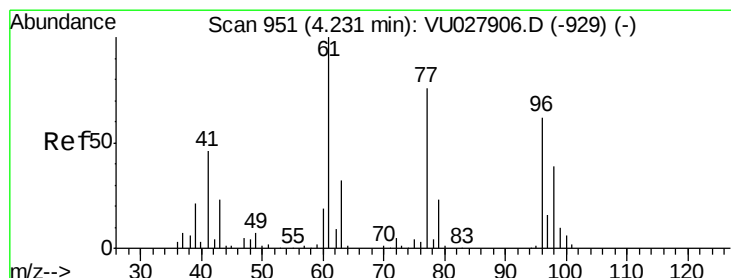
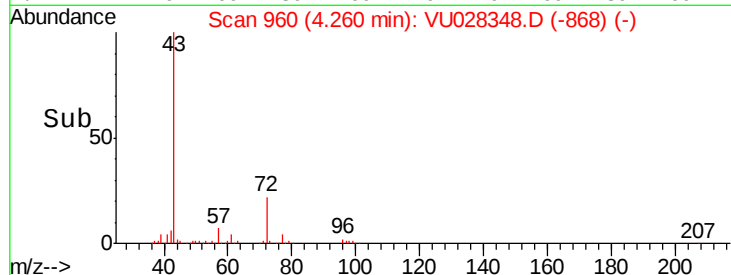
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 22.609 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028348.D

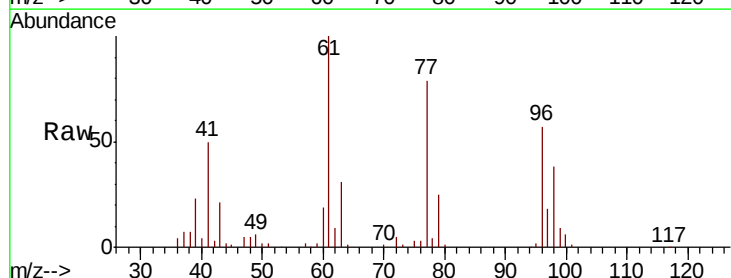
Acq: 27 Nov 2018 20:13

Tgt Ion: 77 Resp: 88387

Ion Ratio Lower Upper

77 100

97 21.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

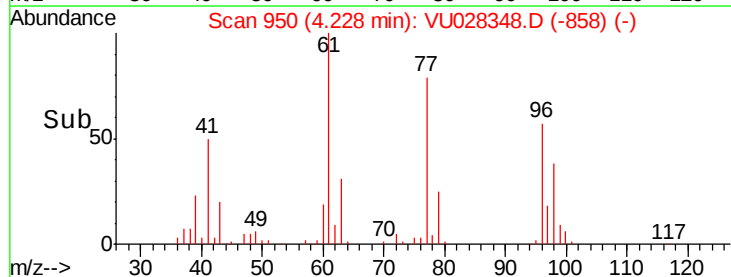
20000

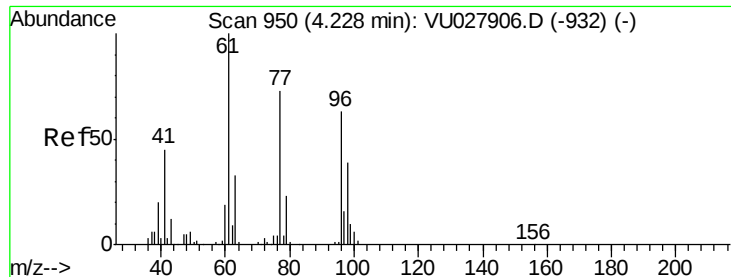
10000

0

4.10 4.20 4.30

Time-->



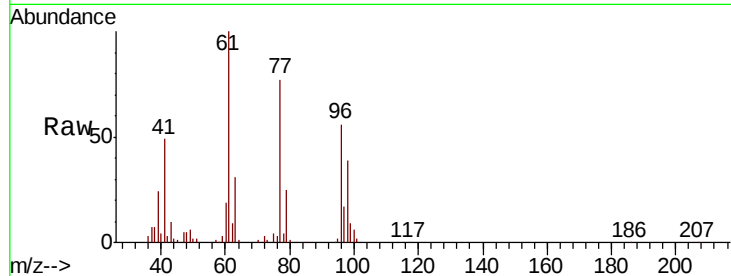


#27

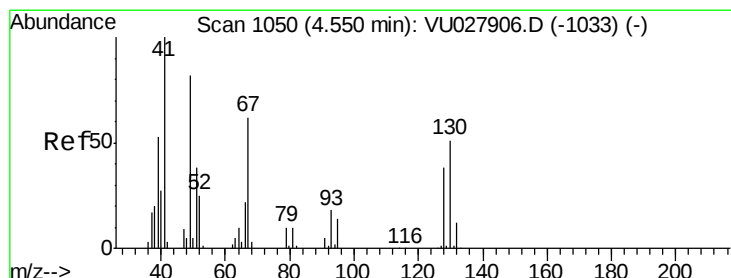
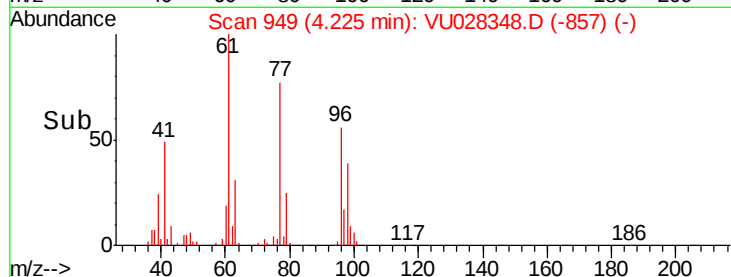
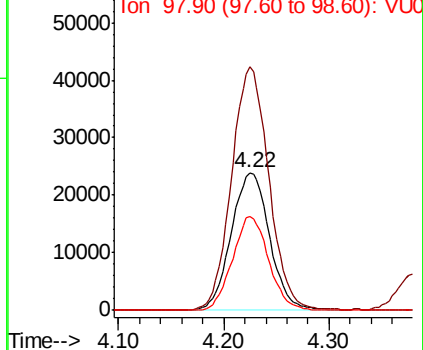
cis-1,2-Dichloroethene
 Concen: 22.503 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

Tot Ion: 96 Resp: 60362
 Ion Ratio Lower Upper
 96 100
 61 172.3 0.0 329.6
 98 64.2 0.0 127.2



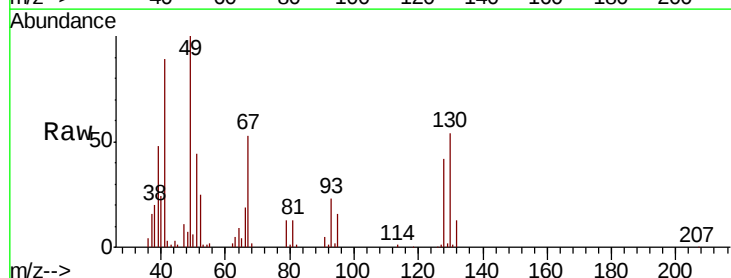
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



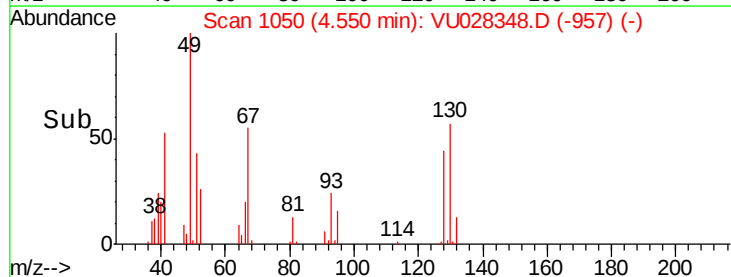
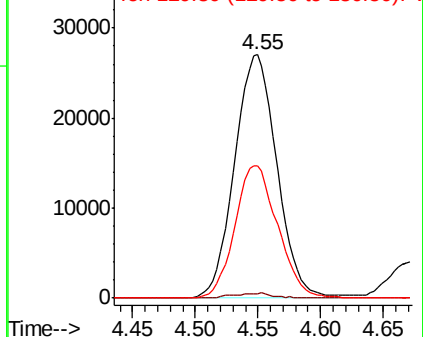
#28

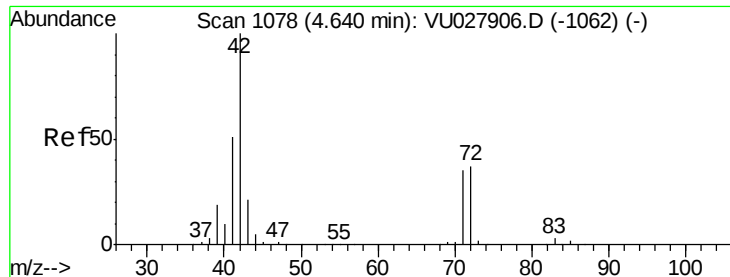
Bromochloromethane
 Concen: 25.992 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 49 Resp: 63476
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.0
 130 55.0 47.8 71.6



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 112.130 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

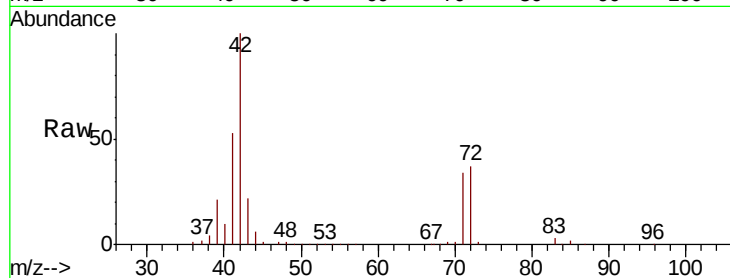
Tot Ion: 42 Resp: 217302

Ion Ratio Lower Upper

42 100

72 37.2 29.4 44.0

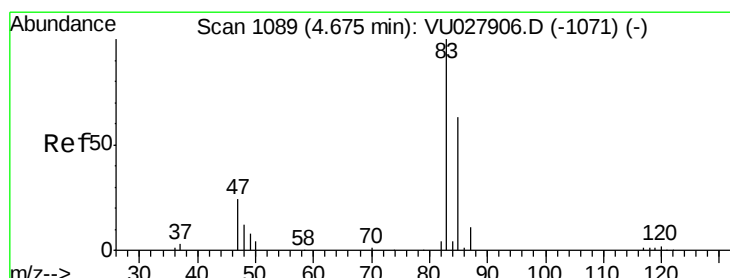
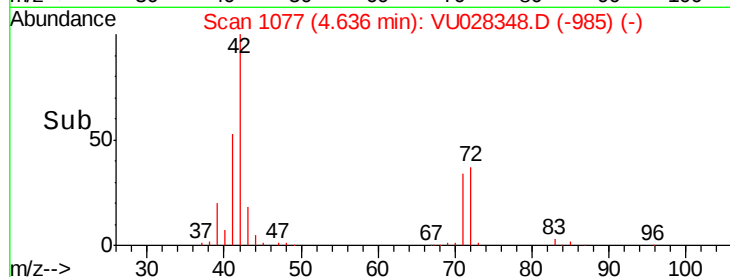
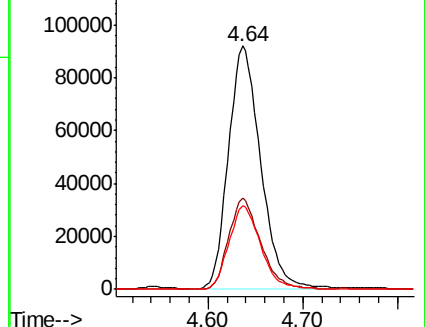
71 34.0 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VU028348.D (-985) (-)

Ion 72.00 (71.70 to 72.70): VU028348.D (-985) (-)

Ion 71.00 (70.70 to 71.70): VU028348.D (-985) (-)



#30

Chloroform

Concen: 22.431 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028348.D

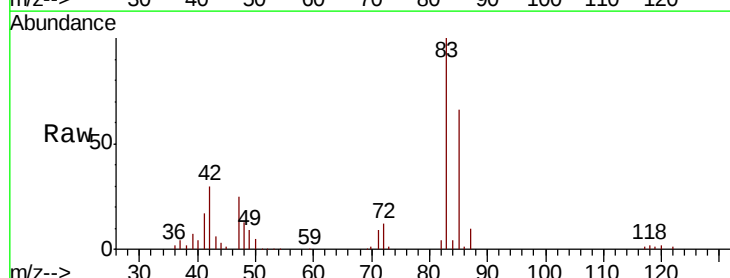
Acq: 27 Nov 2018 20:13

Tgt Ion: 83 Resp: 107140

Ion Ratio Lower Upper

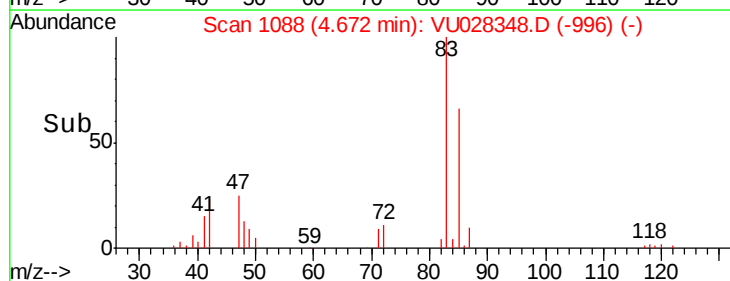
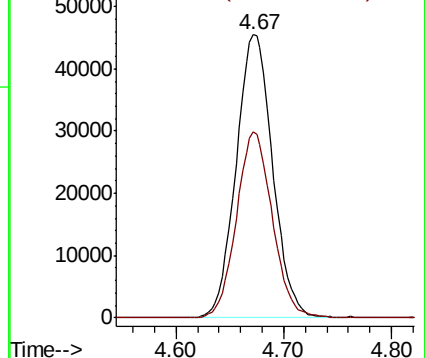
83 100

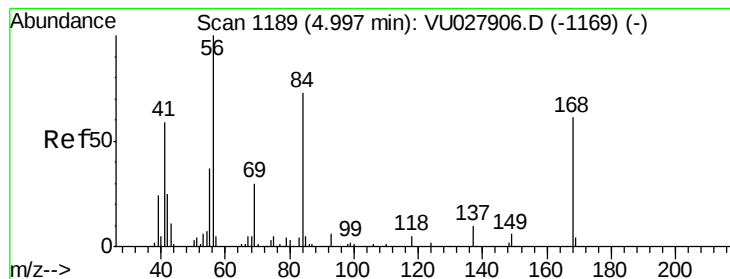
85 65.6 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU028348.D (-996) (-)

Ion 84.90 (84.60 to 85.60): VU028348.D (-996) (-)





#31

Cyclohexane

Concen: 20.597 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

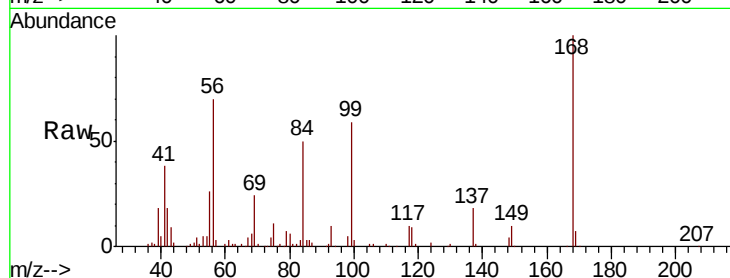
Tot Ion: 56 Resp: 110375

Ion Ratio Lower Upper

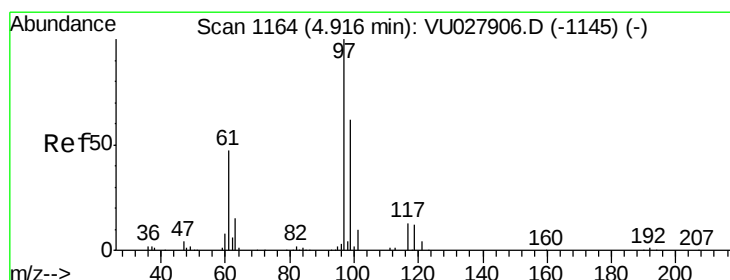
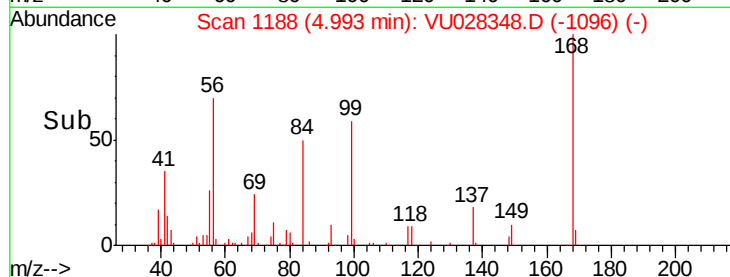
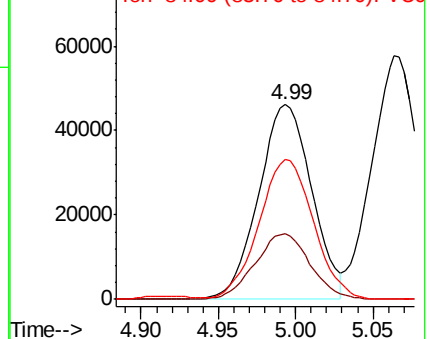
56 100

69 33.6 23.7 35.5

84 70.6 58.2 87.4



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



#32

1,1,1-Trichloroethane

Concen: 22.567 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

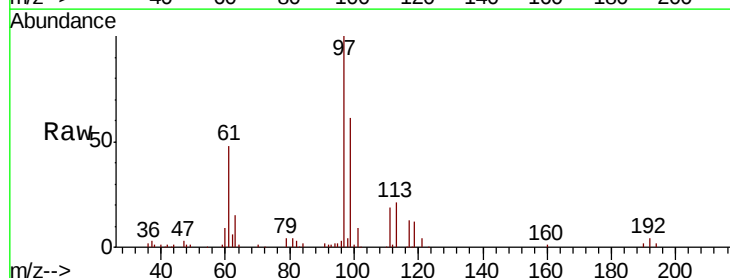
Tgt Ion: 97 Resp: 85802

Ion Ratio Lower Upper

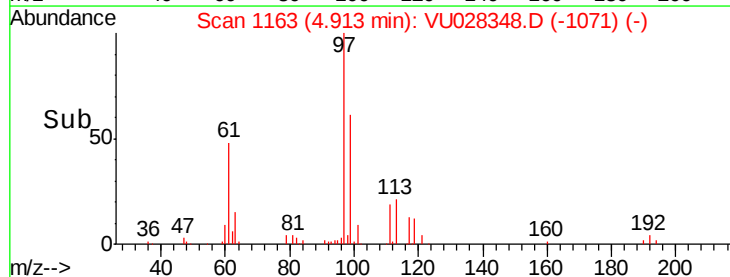
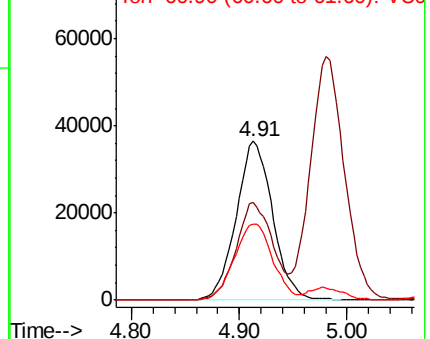
97 100

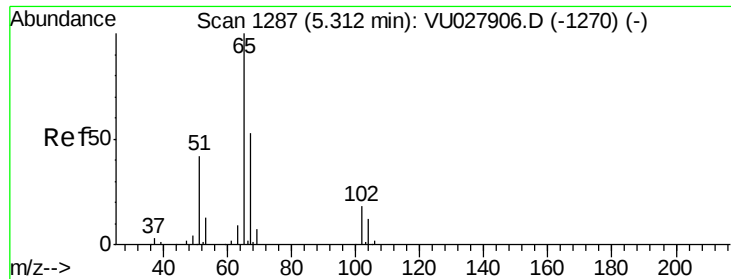
99 61.8 50.5 75.7

61 50.6 38.3 57.5



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 62.145 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

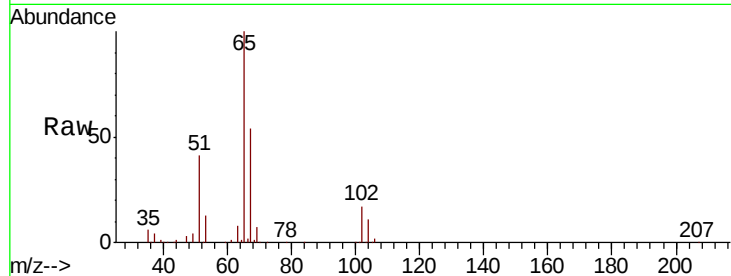
VU1127WBS02

Tot Ion: 65 Resp: 182724

Ion Ratio Lower Upper

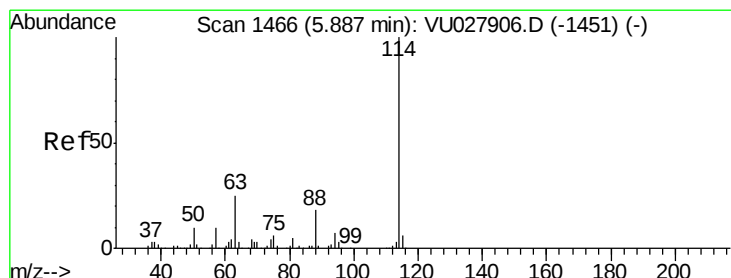
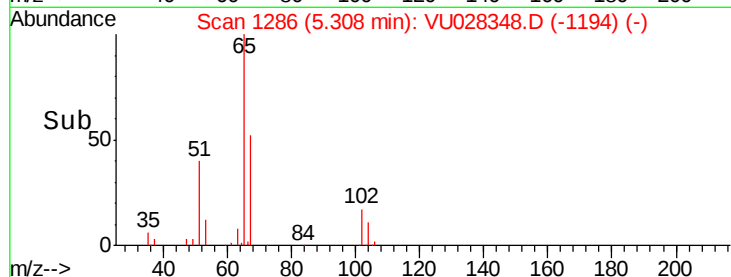
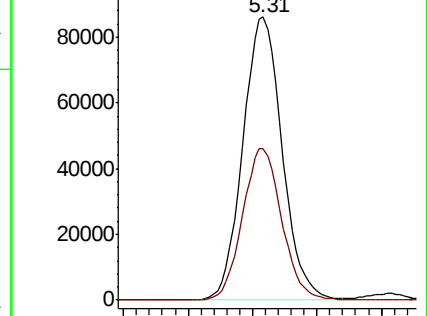
65 100

67 53.4 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

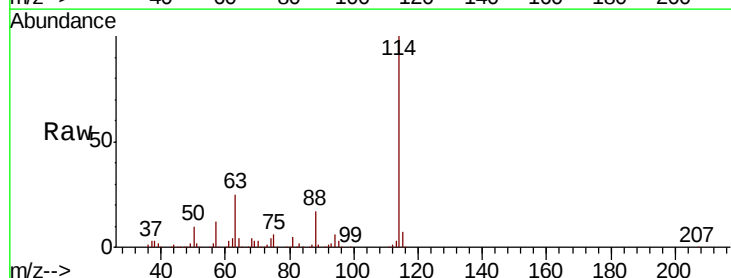
Tgt Ion: 114 Resp: 357538

Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.8

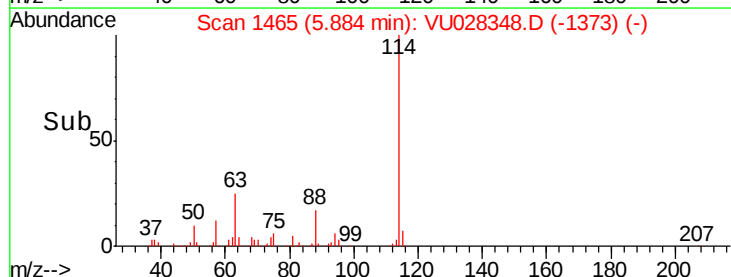
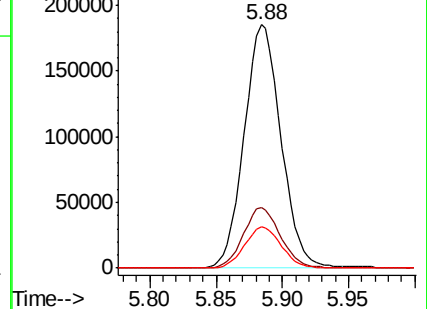
88 16.8 0.0 35.8

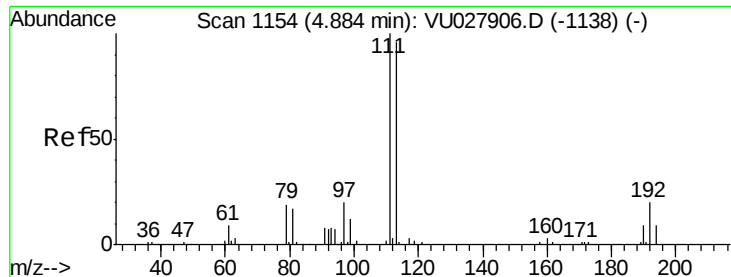


Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

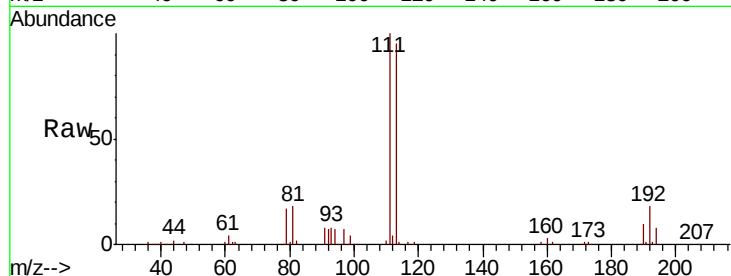




#35
Dibromofluoromethane
Concen: 55.649 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	18.7	15.6	23.4

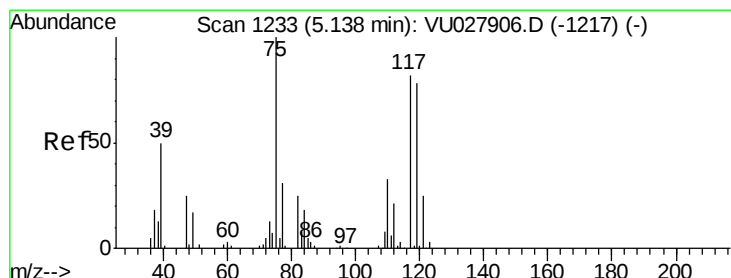
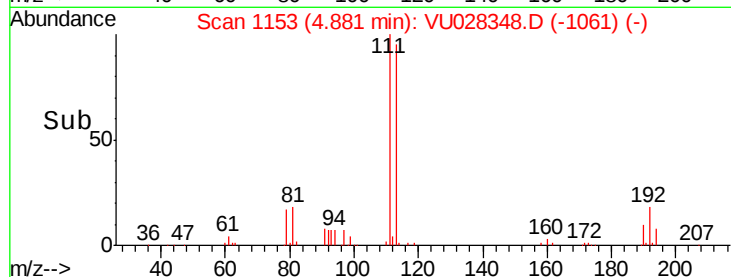
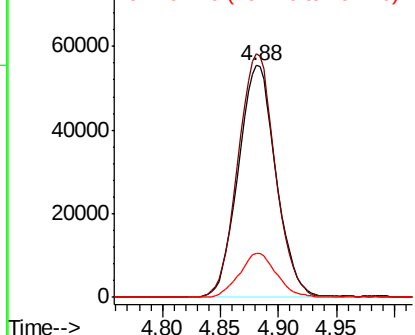


Abundance

Ion 112.80 (112.50 to 113.50): V

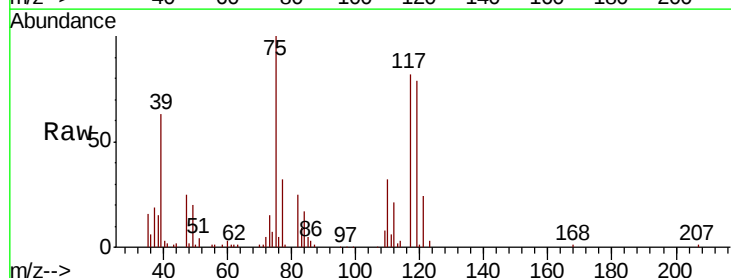
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 20.434 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.5	49.5
77	30.2	24.9	37.3

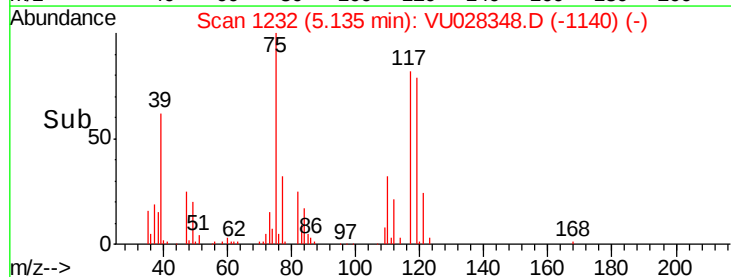
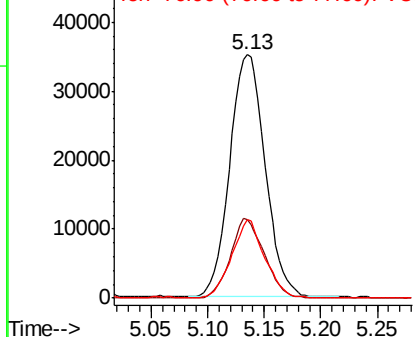


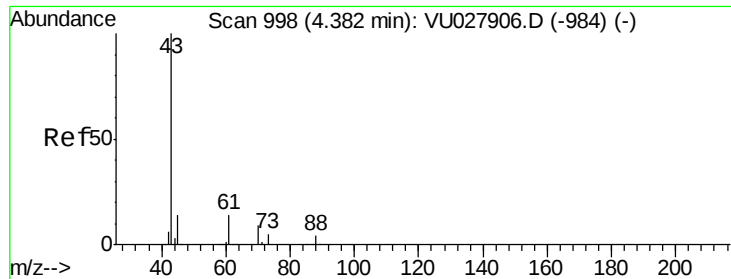
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

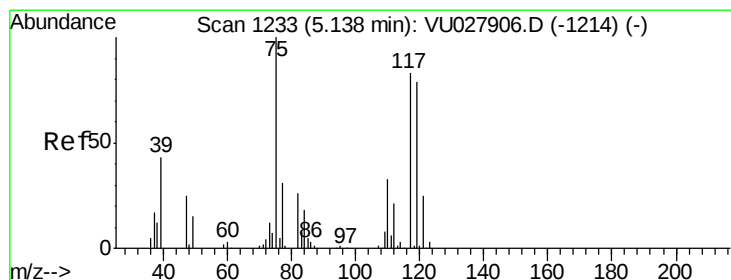
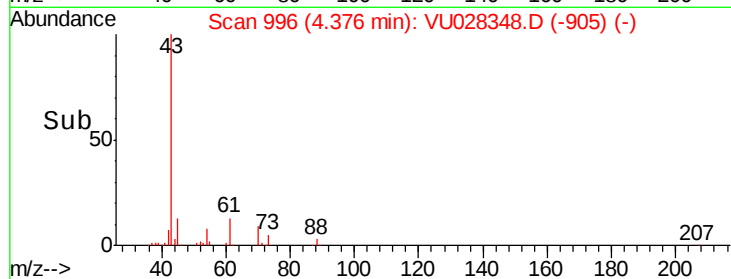
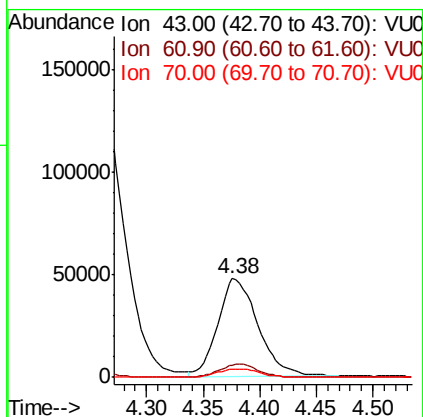
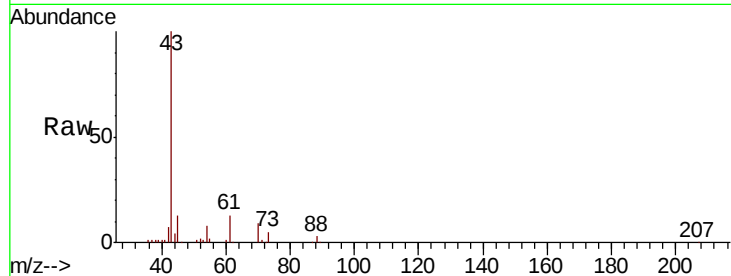




#37
Ethyl Acetate
Concen: 21.433 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.01 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

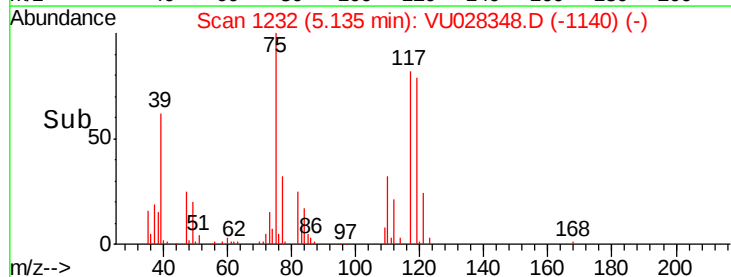
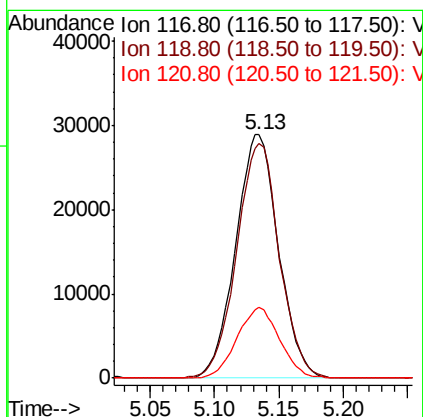
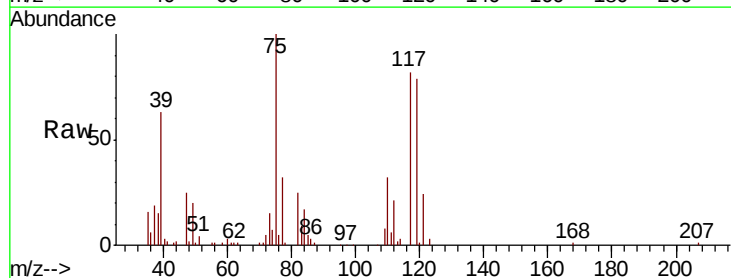
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

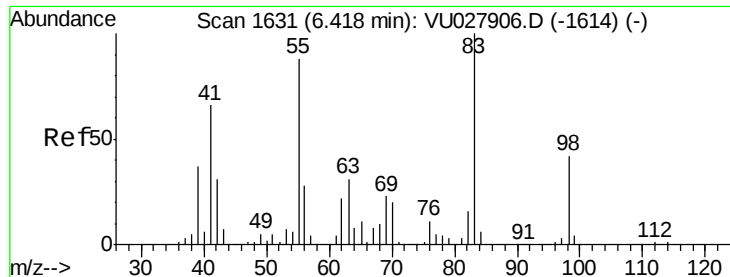
Tot Ion: 43 Resp: 117599
Ion Ratio Lower Upper
43 100
61 13.3 10.3 15.5
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 20.118 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 117 Resp: 66763
Ion Ratio Lower Upper
117 100
119 96.5 76.0 114.0
121 29.2 24.5 36.7

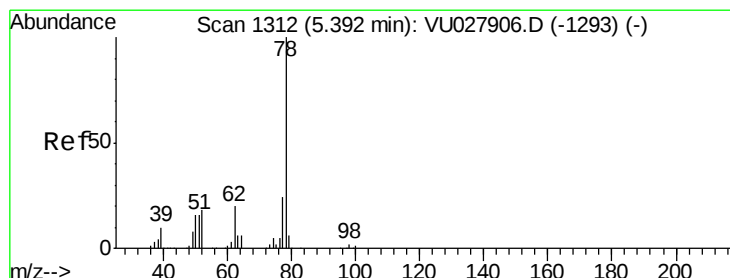
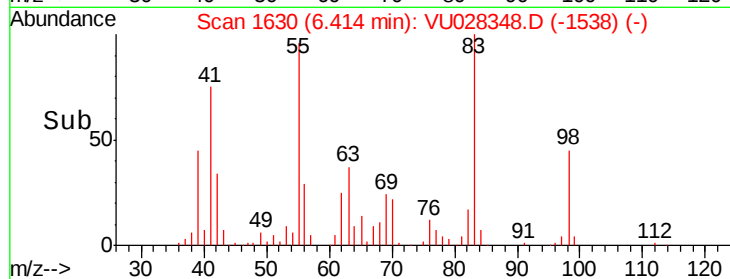
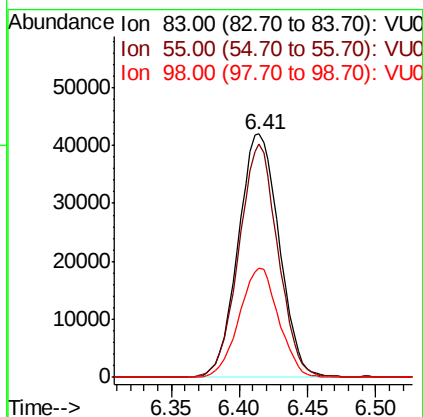
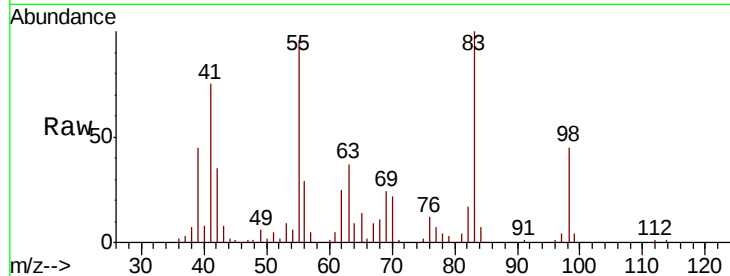




#39
Methvlcvclohexane
Concen: 19.385 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

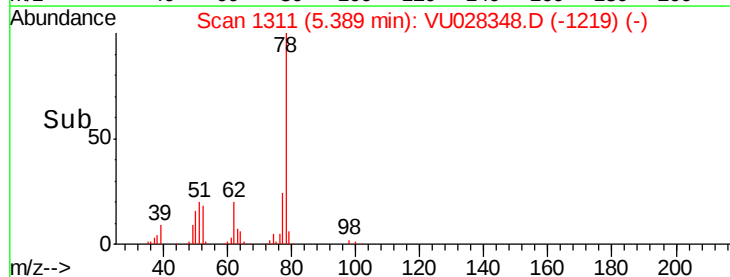
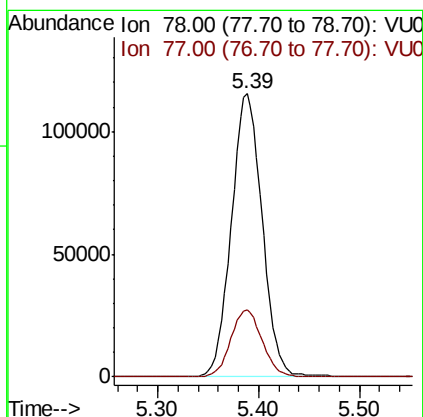
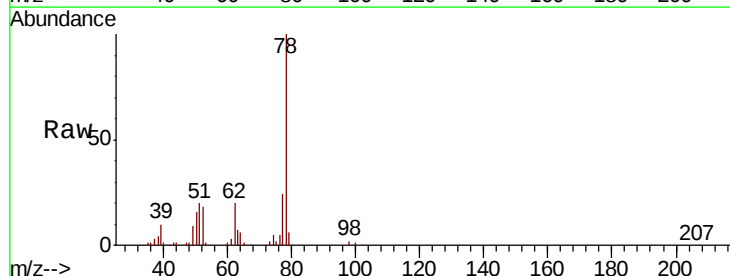
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

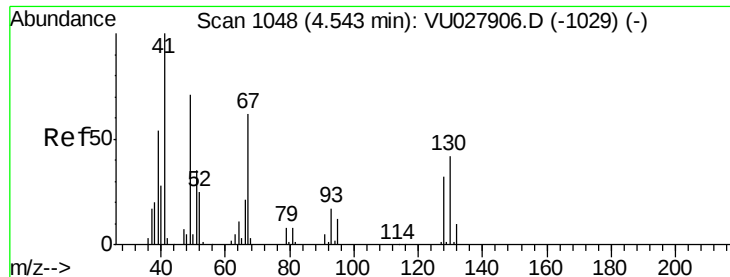
Tot Ion: 83 Resp: 87552
Ion Ratio Lower Upper
83 100
55 95.8 70.3 105.5
98 45.1 34.0 51.0



#40
Benzene
Concen: 21.402 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 78 Resp: 245027
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

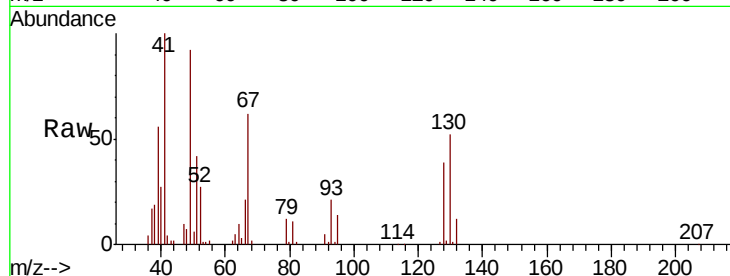




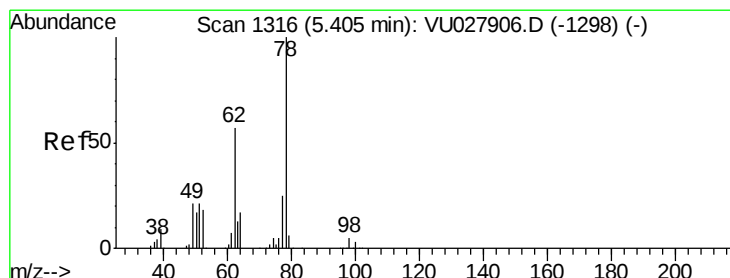
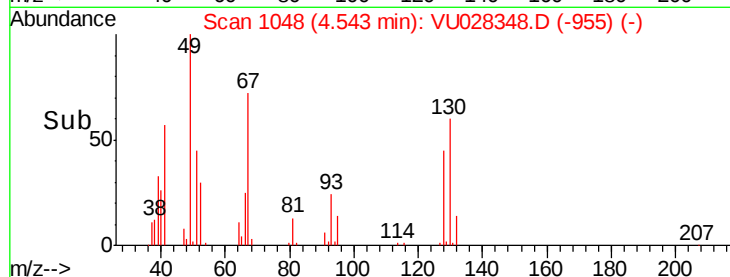
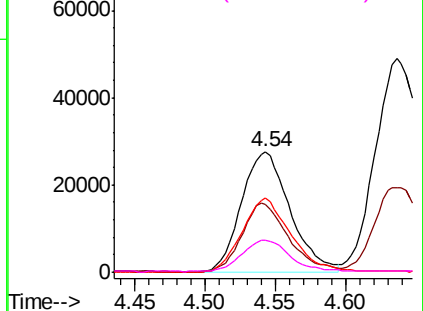
#41
Methacrylonitrile
Concen: 22.819 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion: 41 Resp: 66817
Ion Ratio Lower Upper
41 100
39 54.8 42.2 63.4
67 61.4 49.5 74.3
52 25.6 20.5 30.7

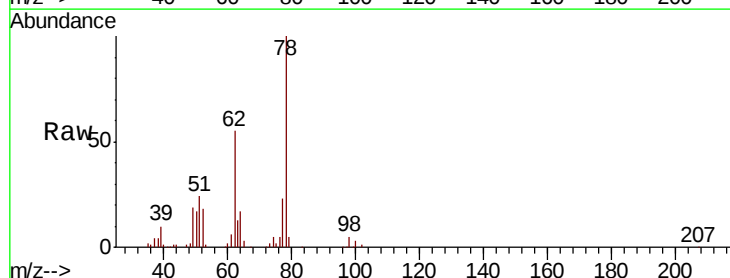


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

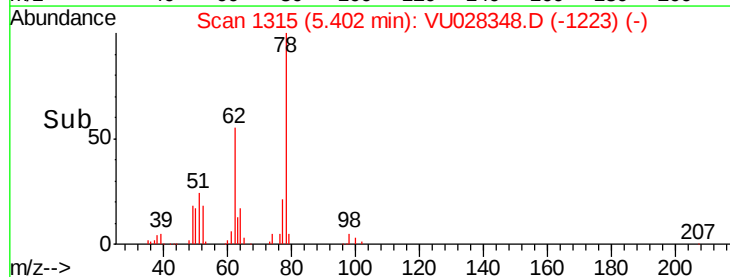
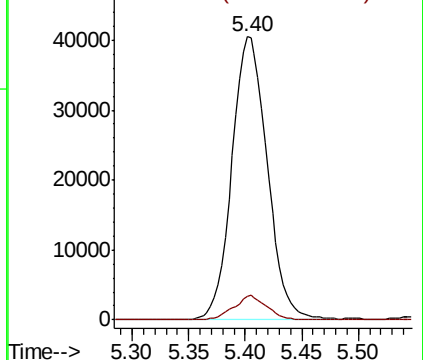


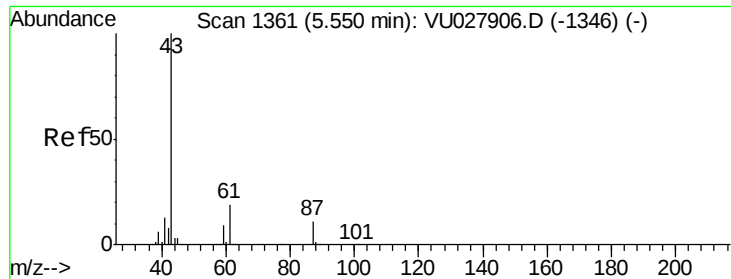
#42
1,2-Dichloroethane
Concen: 21.647 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 62 Resp: 88094
Ion Ratio Lower Upper
62 100
98 8.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 21.913 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

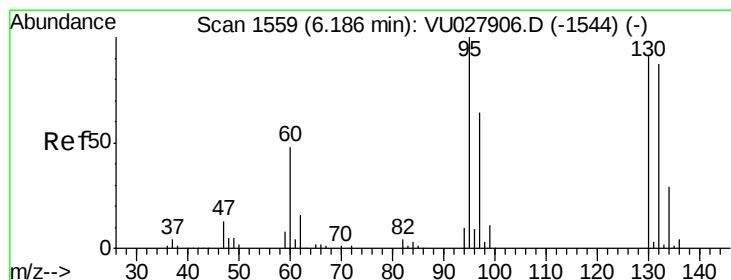
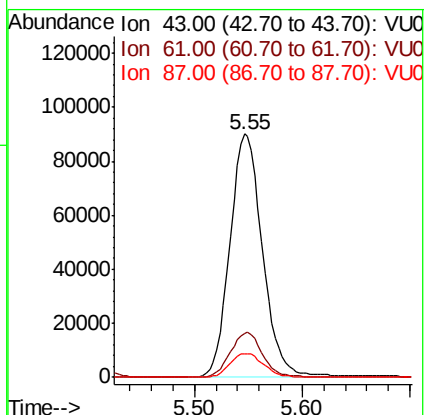
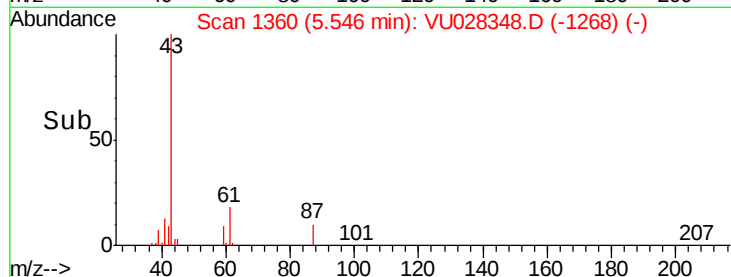
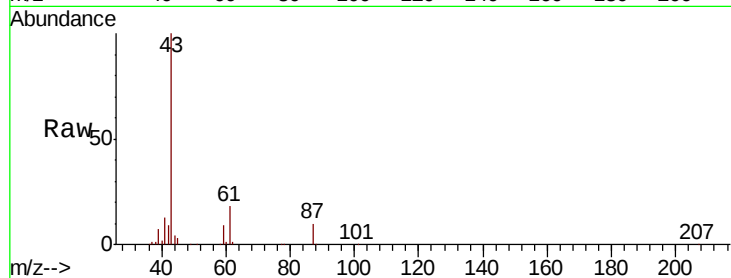
Tot Ion: 43 Resp: 188368

Ion Ratio Lower Upper

43 100

61 18.3 15.0 22.4

87 10.2 8.6 12.8



#44

Trichloroethene

Concen: 20.423 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028348.D

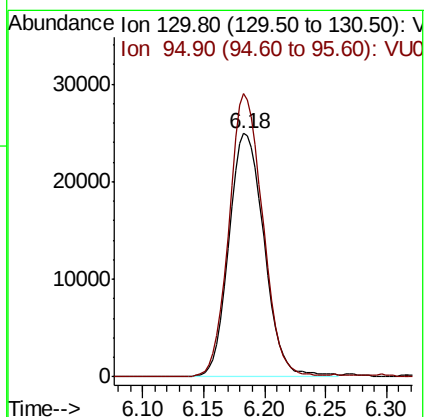
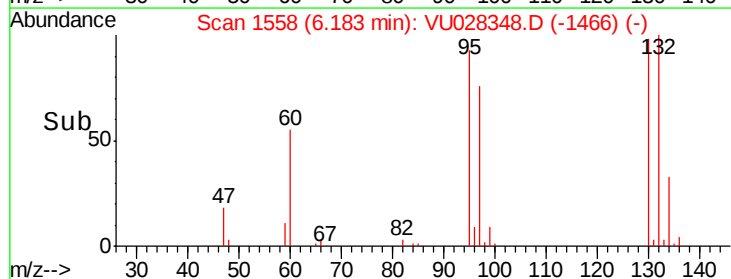
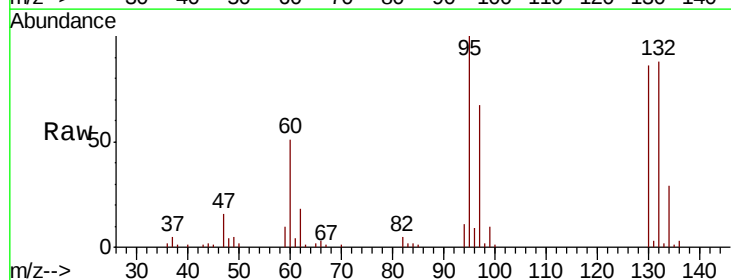
Acq: 27 Nov 2018 20:13

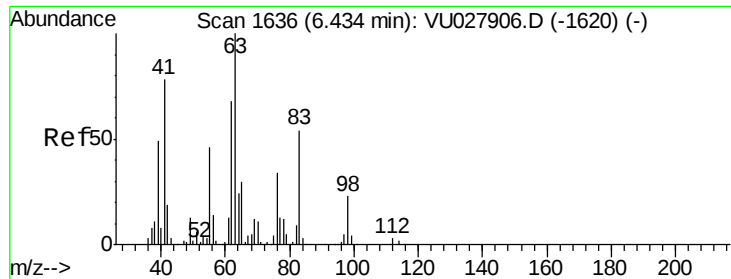
Tgt Ion: 130 Resp: 50259

Ion Ratio Lower Upper

130 100

95 116.3 0.0 219.2

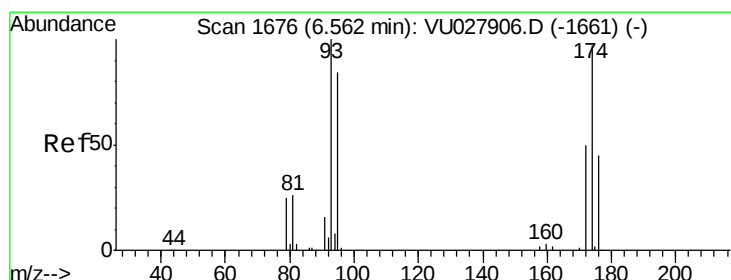
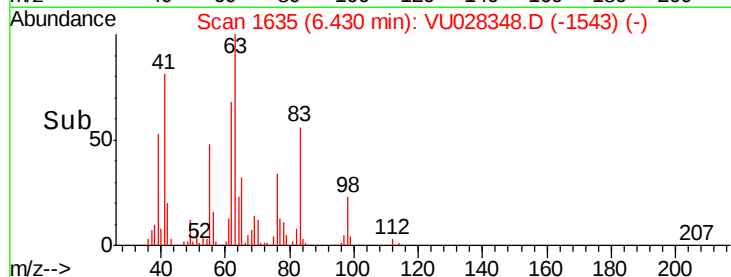
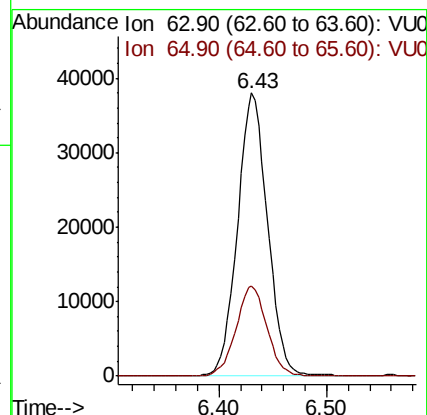
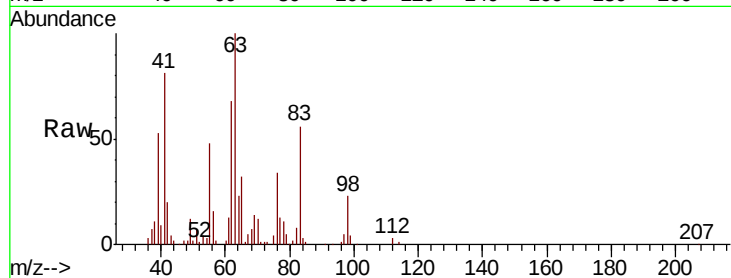




#45
 1,2-Dichloropropane
 Concen: 22.354 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

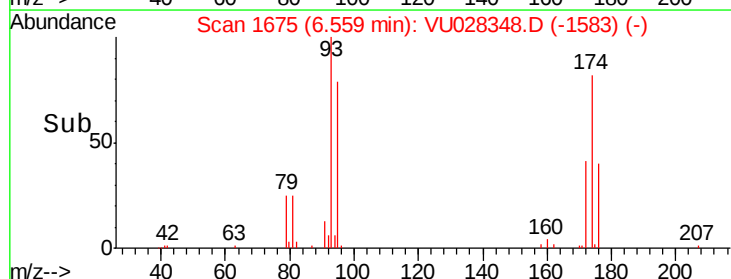
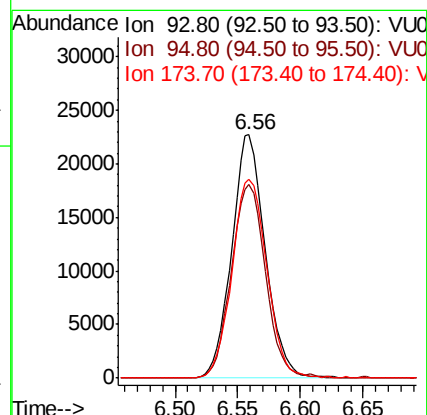
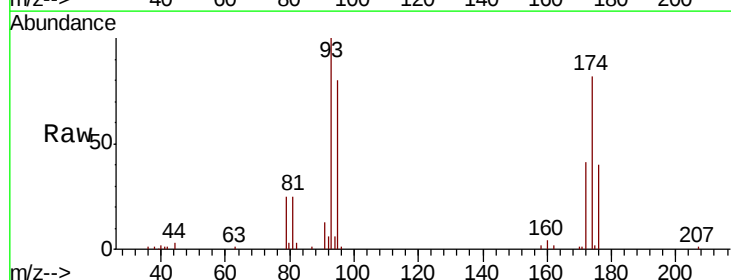
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

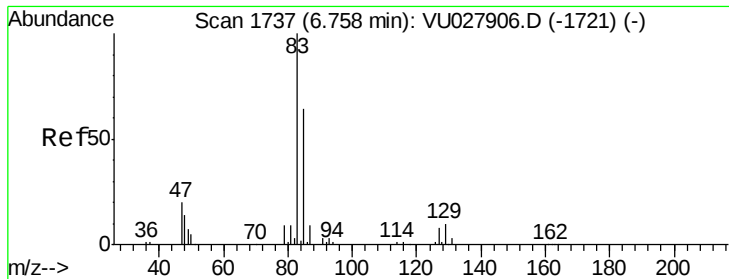
Tot Ion: 63 Resp: 73809
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.4 36.6



#46
 Dibromomethane
 Concen: 22.195 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 93 Resp: 42123
 Ion Ratio Lower Upper
 93 100
 95 81.6 68.5 102.7
 174 85.2 76.1 114.1





#47

Bromodichloromethane

Concen: 22.214 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

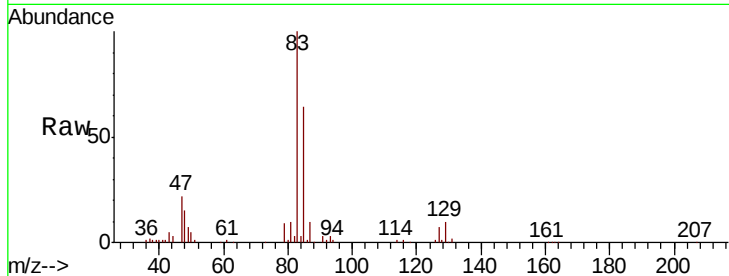
Tot Ion: 83 Resp: 81245

Ion Ratio Lower Upper

83 100

85 64.1 51.0 76.6

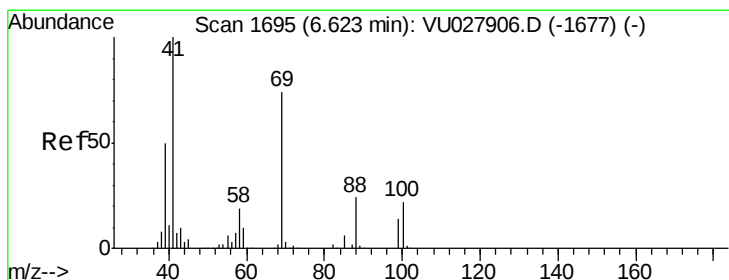
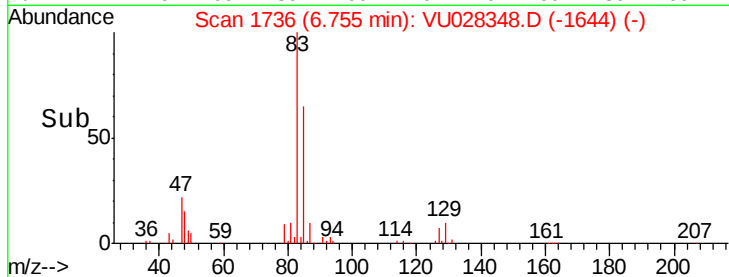
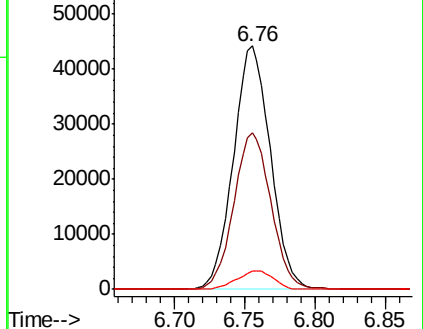
127 7.3 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1721) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1721) (-)

Ion 126.80 (126.50 to 127.50): VU027906.D (-1721) (-)



#48

Methyl methacrylate

Concen: 22.489 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

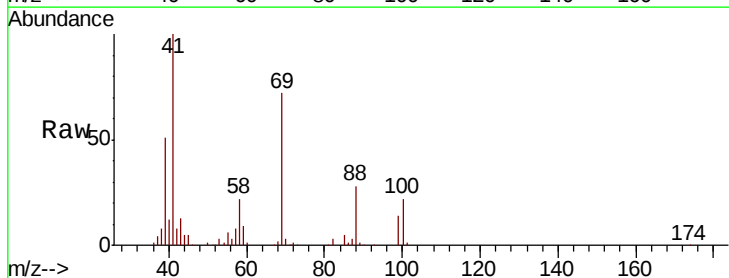
Tgt Ion: 41 Resp: 94732

Ion Ratio Lower Upper

41 100

69 69.5 59.8 89.8

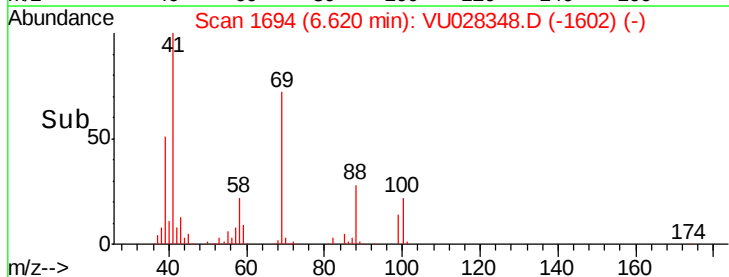
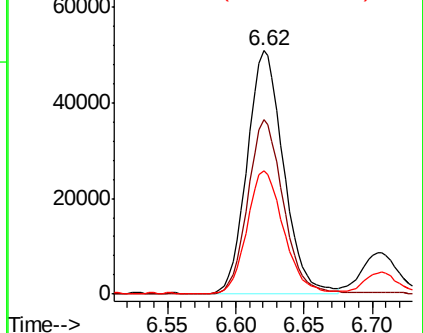
39 51.1 40.0 60.0

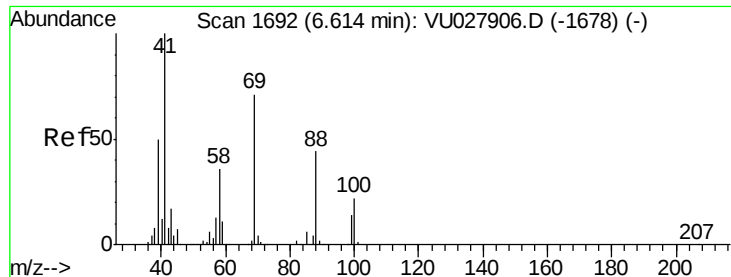


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1677) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1677) (-)





#49

1,4-Dioxane

Concen: 488.375 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

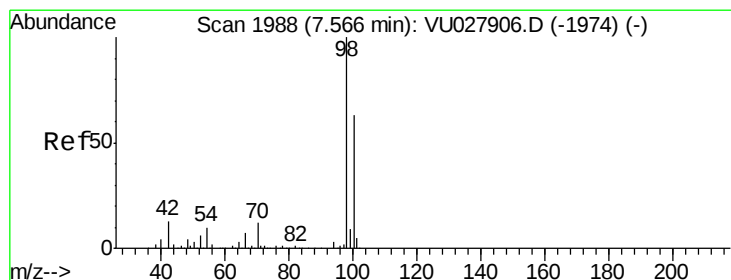
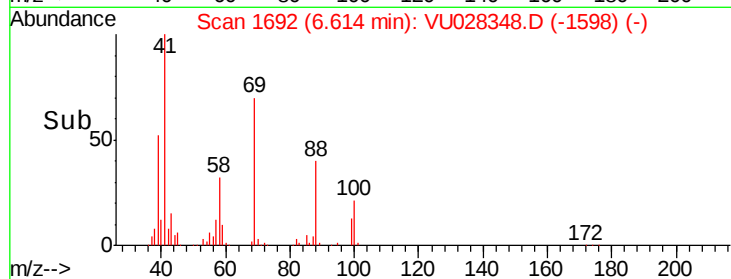
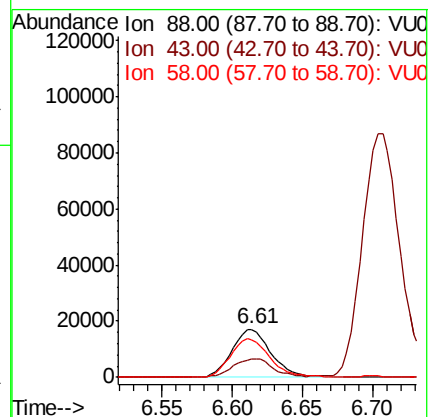
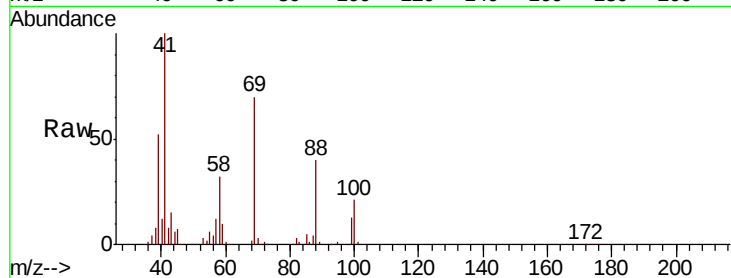
Tot Ion: 88 Resp: 33564

Ion Ratio Lower Upper

88 100

43 39.9 30.5 45.7

58 80.5 67.1 100.7



#50

Toluene-d8

Concen: 55.469 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028348.D

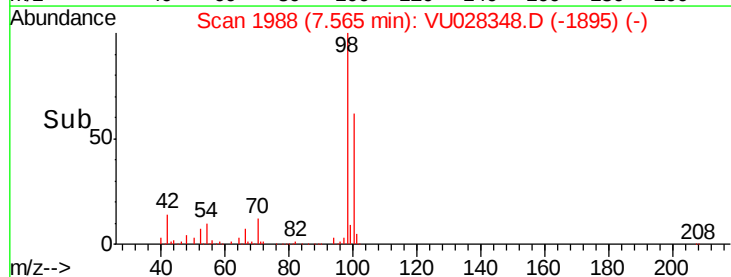
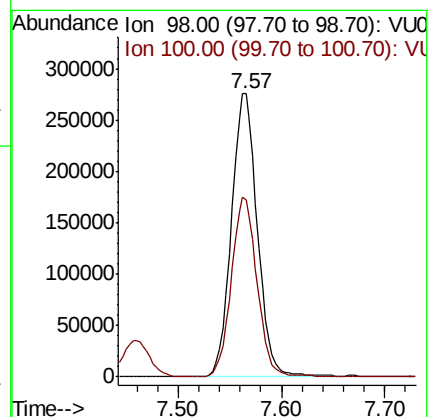
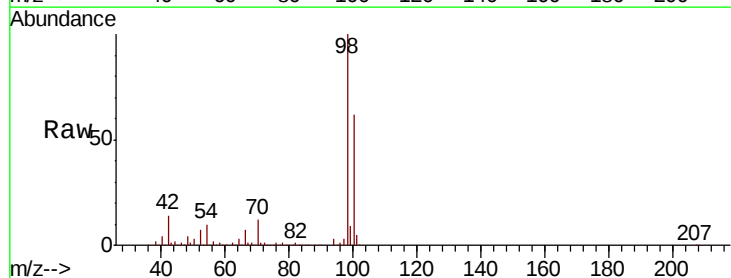
Acq: 27 Nov 2018 20:13

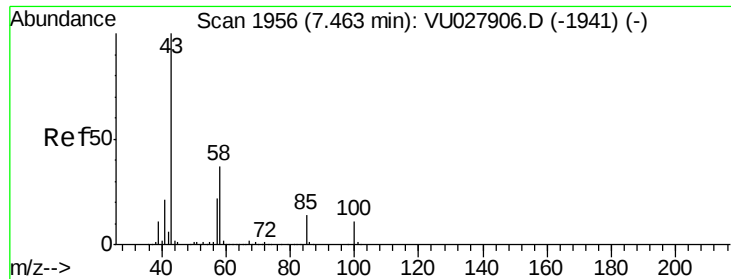
Tgt Ion: 98 Resp: 483036

Ion Ratio Lower Upper

98 100

100 62.6 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 110.525 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

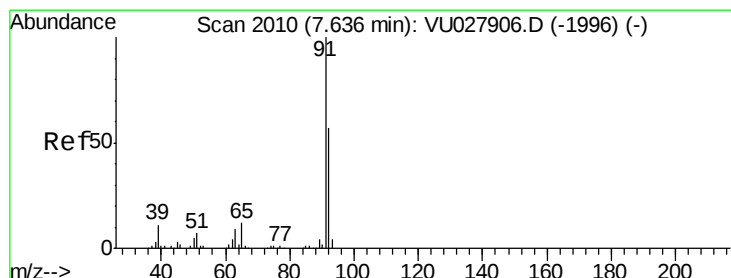
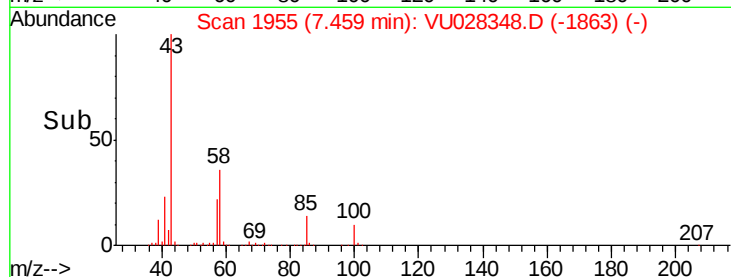
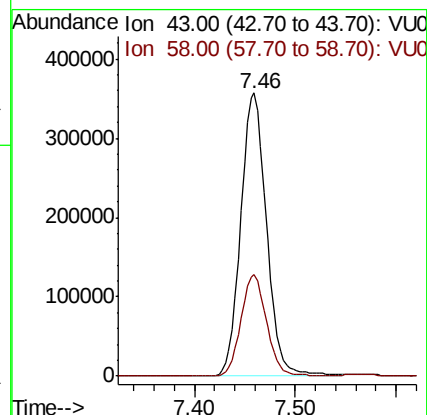
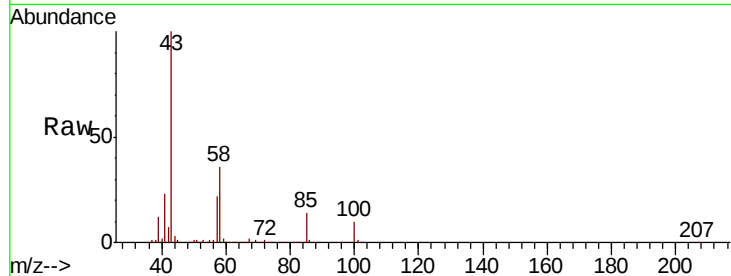
VU1127WBS02

Tot Ion: 43 Resp: 634492

Ion Ratio Lower Upper

43 100

58 35.6 29.5 44.3



#52

Toluene

Concen: 20.701 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028348.D

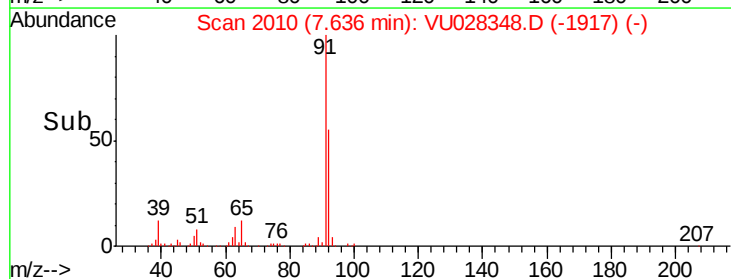
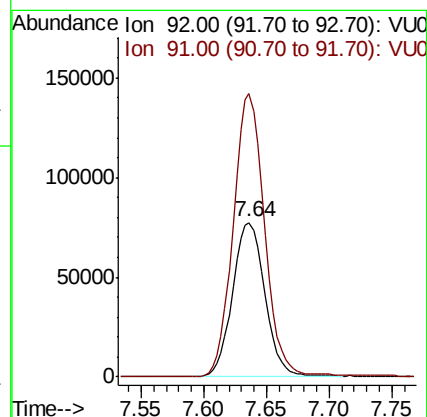
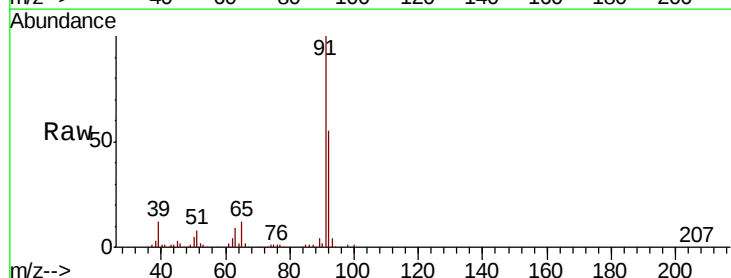
Acq: 27 Nov 2018 20:13

Tgt Ion: 92 Resp: 139330

Ion Ratio Lower Upper

92 100

91 175.7 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 20.888 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

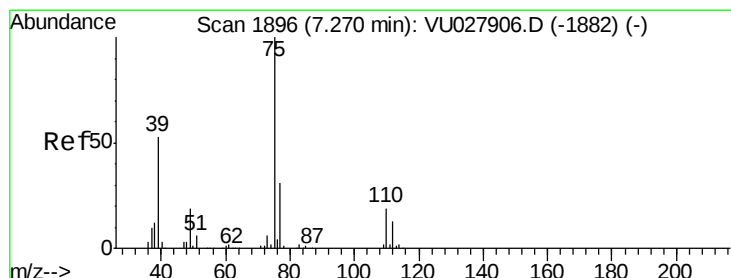
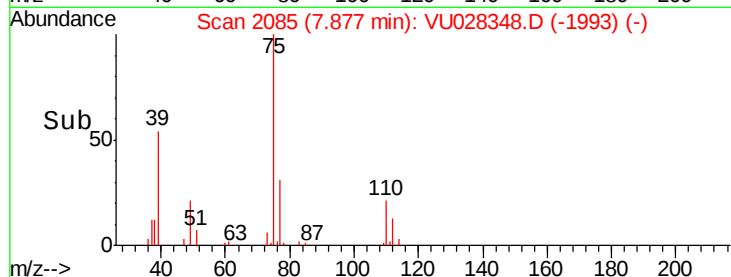
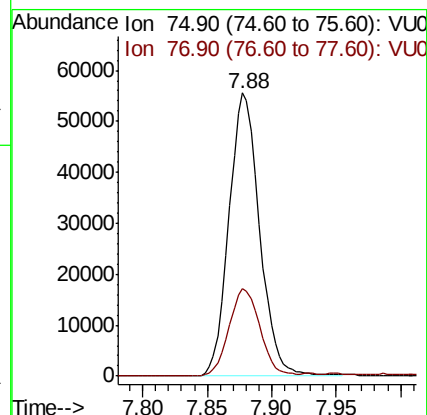
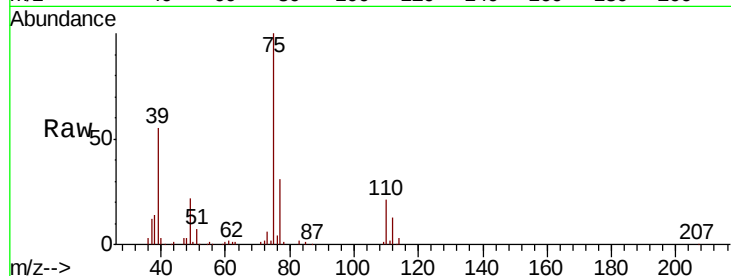
VU1127WBS02

Tot Ion: 75 Resp: 91718

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 22.138 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

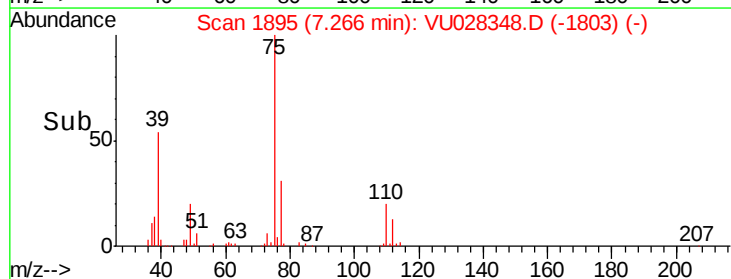
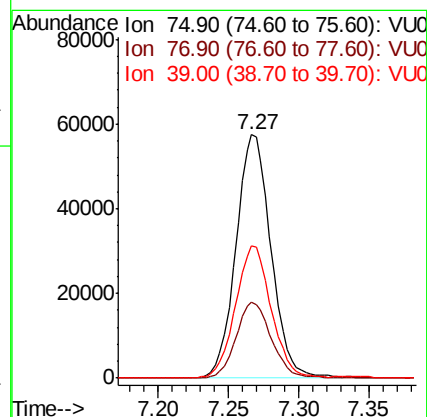
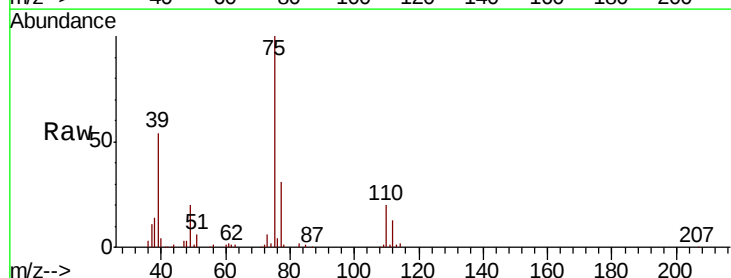
Tgt Ion: 75 Resp: 99815

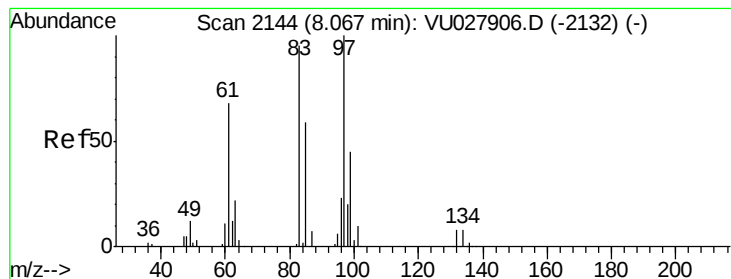
Ion Ratio Lower Upper

75 100

77 31.1 24.6 37.0

39 54.1 42.6 64.0





#55

1,1,2-Trichloroethane

Concen: 21.461 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

Tot Ion: 97 Resp: 58767

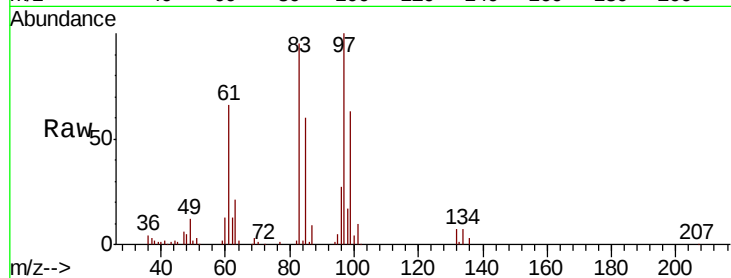
Ion Ratio Lower Upper

97 100

83 95.4 76.1 114.1

85 59.4 48.9 73.3

99 62.5 52.0 78.0

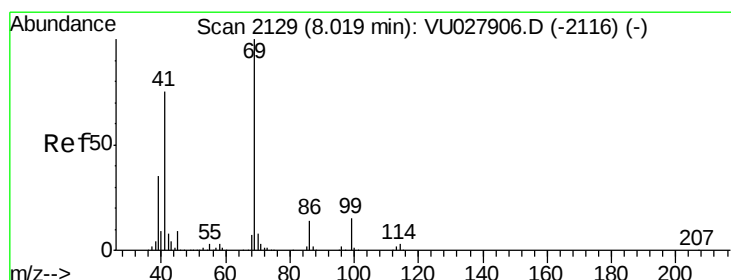
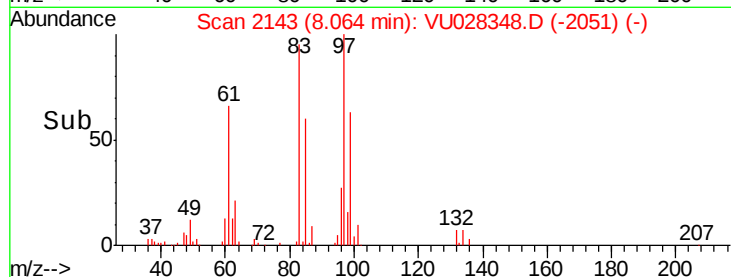
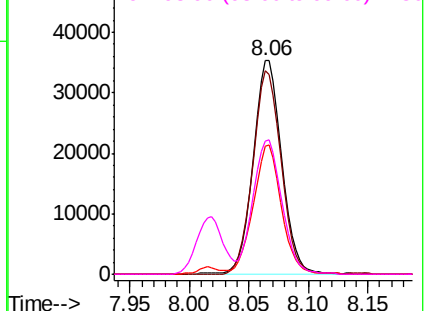


Abundance Ion 96.90 (96.60 to 97.60): VU027906.D (-2132) (-)

Ion 82.90 (82.60 to 83.60): VU027906.D (-2132) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-2132) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-2132) (-)



#56

Ethyl methacrylate

Concen: 20.777 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

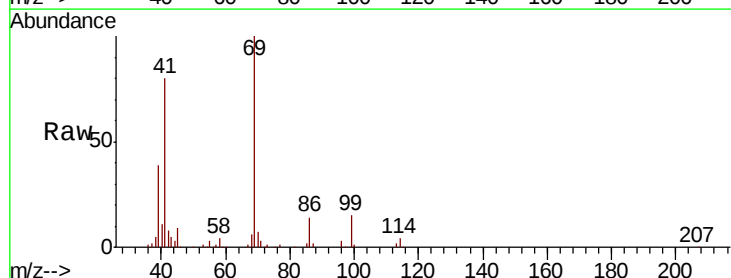
Tgt Ion: 69 Resp: 100331

Ion Ratio Lower Upper

69 100

41 78.1 59.8 89.6

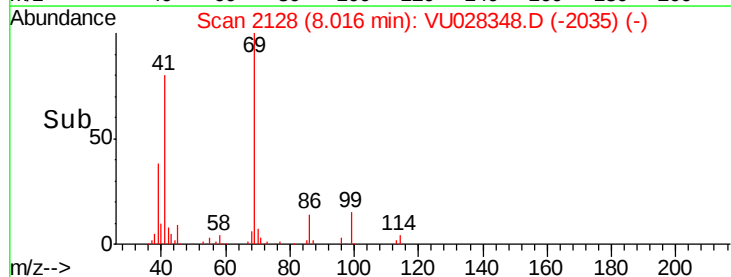
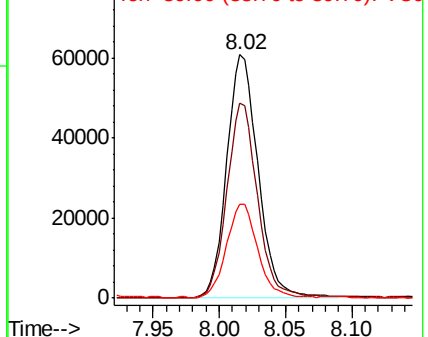
39 37.8 28.6 42.8

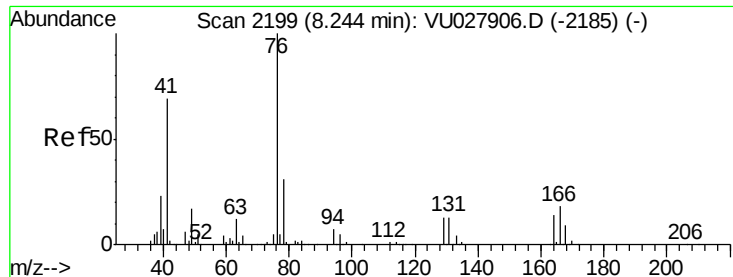


Abundance Ion 69.00 (68.70 to 69.70): VU027906.D (-2116) (-)

Ion 41.00 (40.70 to 41.70): VU027906.D (-2116) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-2116) (-)





#57

1,3-Dichloropropane

Concen: 21.612 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

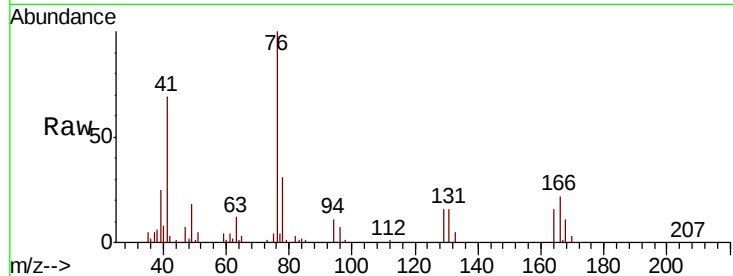
VU1127WBS02

Tot Ion: 76 Resp: 107803

Ion Ratio Lower Upper

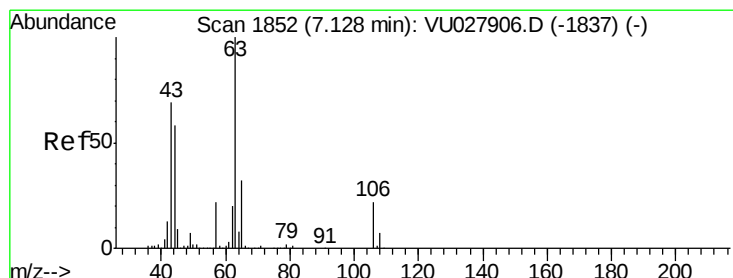
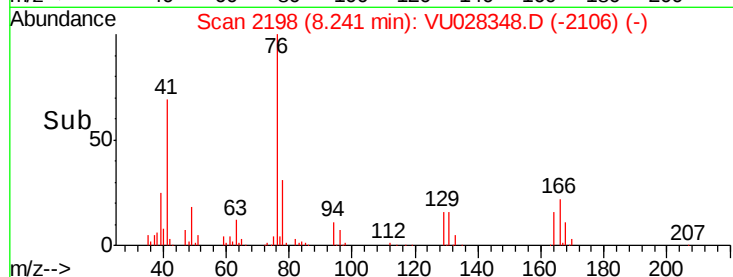
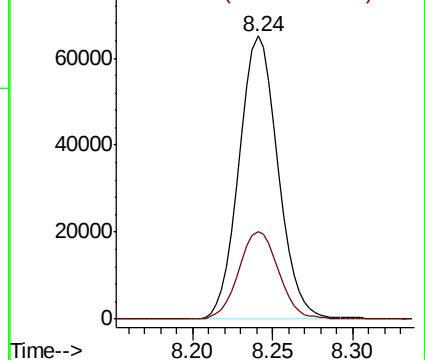
76 100

78 31.9 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 108.545 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028348.D

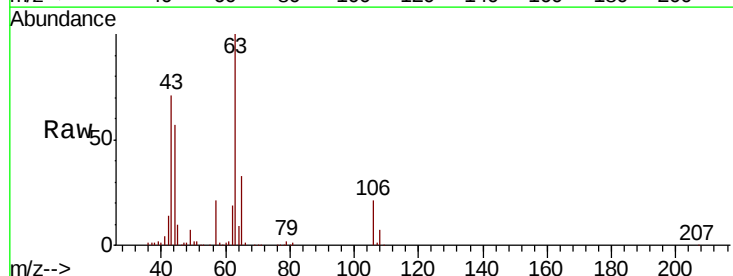
Acq: 27 Nov 2018 20:13

Tgt Ion: 63 Resp: 280730

Ion Ratio Lower Upper

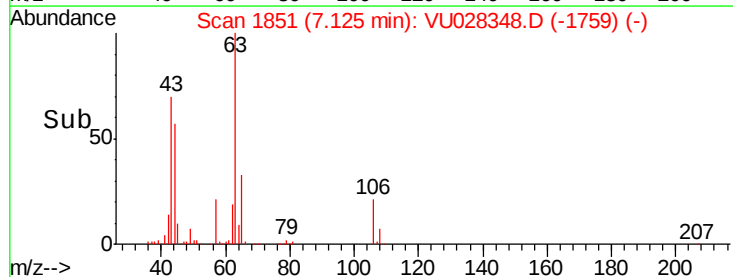
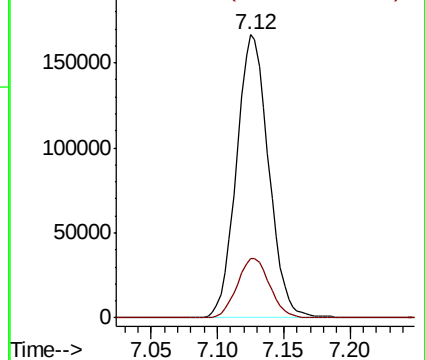
63 100

106 21.4 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

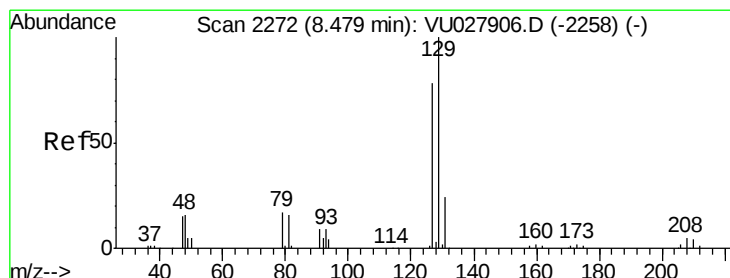
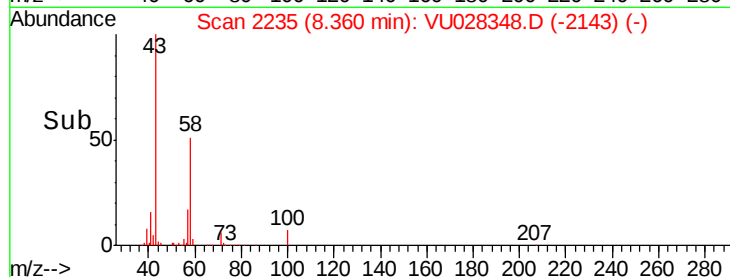
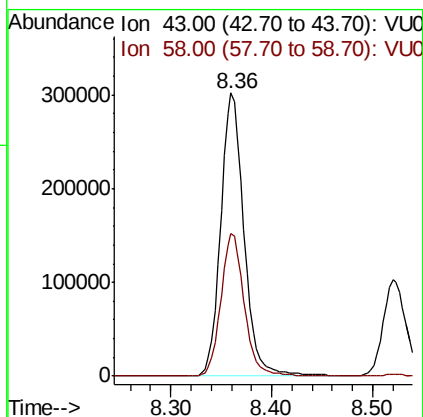
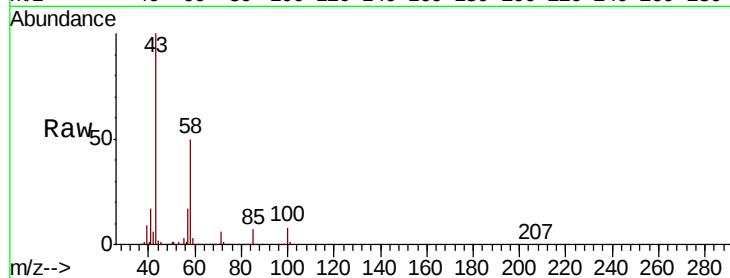




#59
2-Hexanone
Concen: 109.744 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

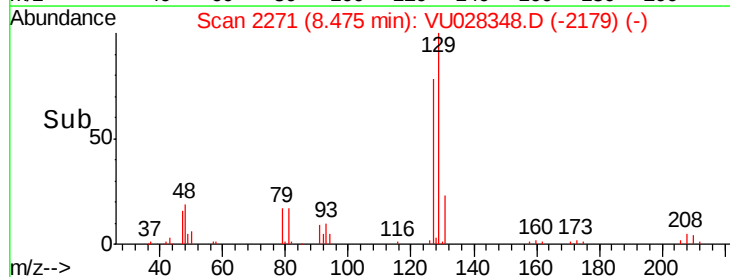
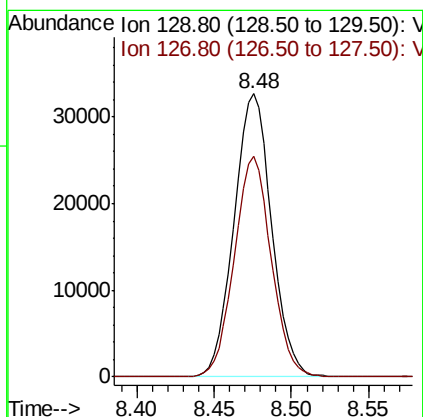
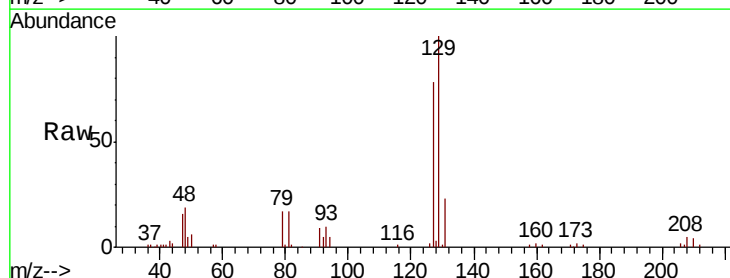
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

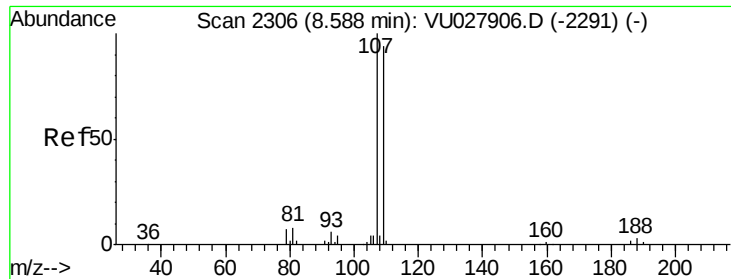
Tot Ion: 43 Resp: 487268
Ion Ratio Lower Upper
43 100
58 50.6 25.8 77.3



#60
Dibromochloromethane
Concen: 21.280 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion:129 Resp: 55141
Ion Ratio Lower Upper
129 100
127 76.4 39.2 117.6

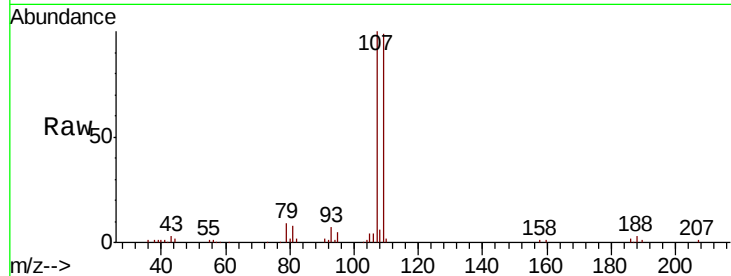




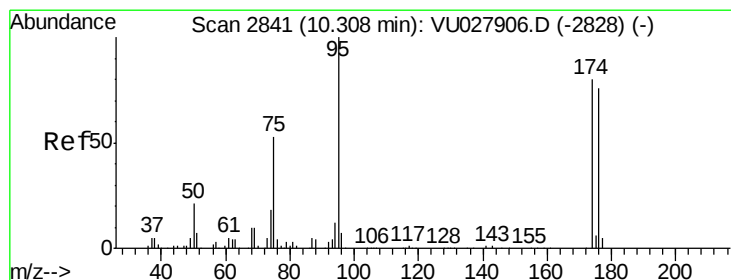
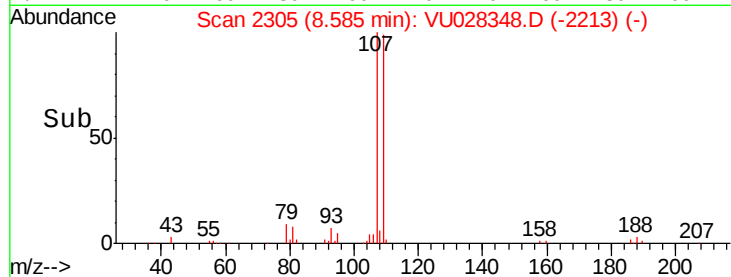
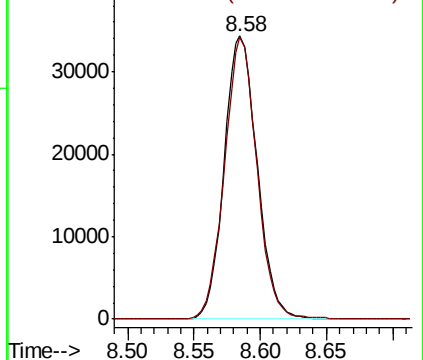
#61
 1,2-Dibromoethane
 Concen: 20.391 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

Tot Ion:107 Resp: 59330
 Ion Ratio Lower Upper
 107 100
 109 97.5 73.8 110.8

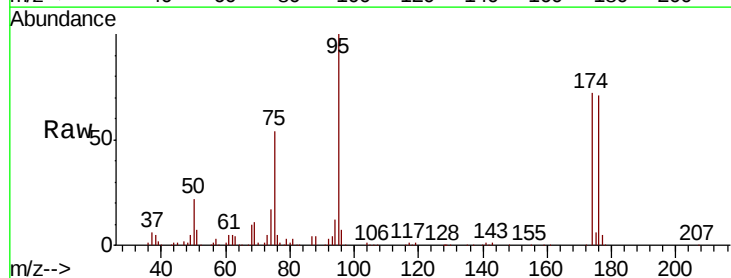


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

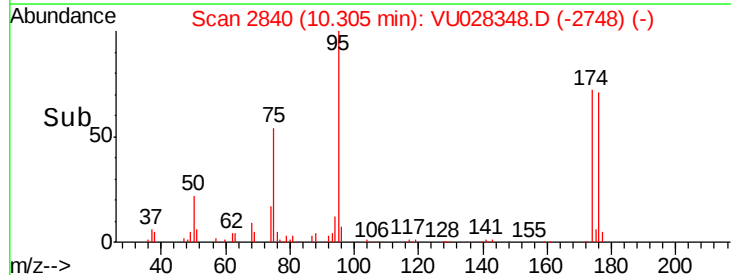
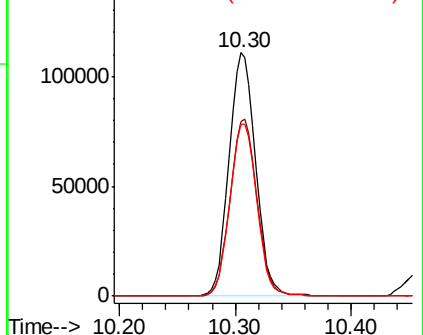


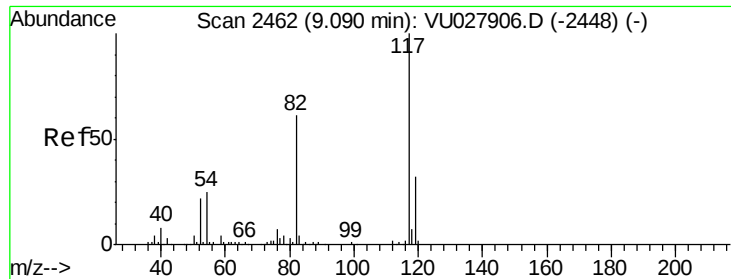
#62
 4-Bromofluorobenzene
 Concen: 54.467 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 95 Resp: 174947
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 156.4
 176 71.4 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

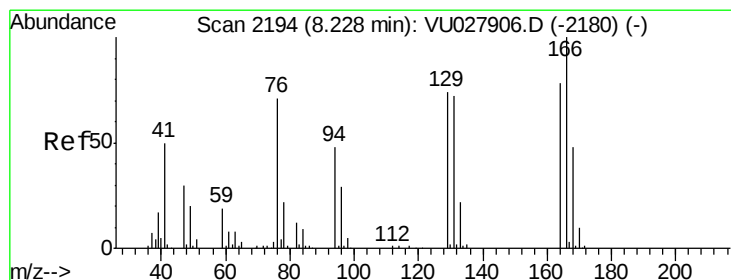
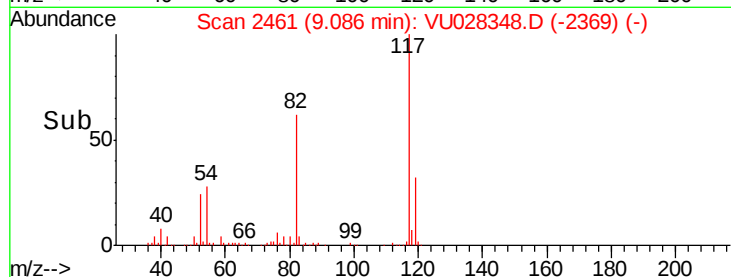
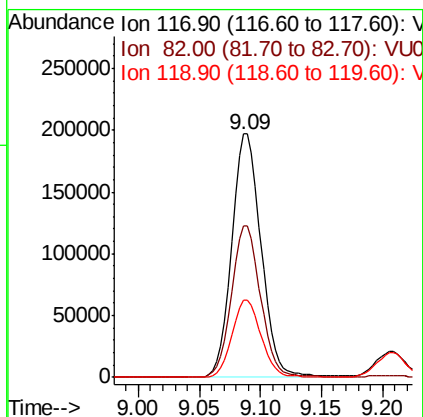
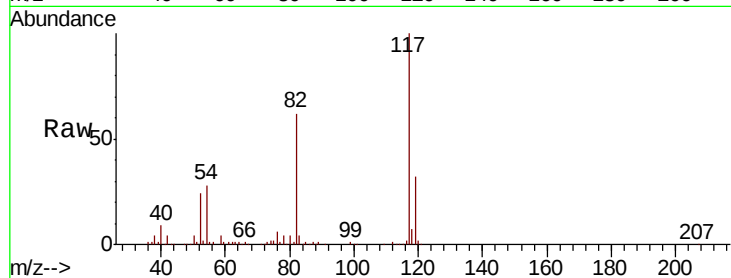




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

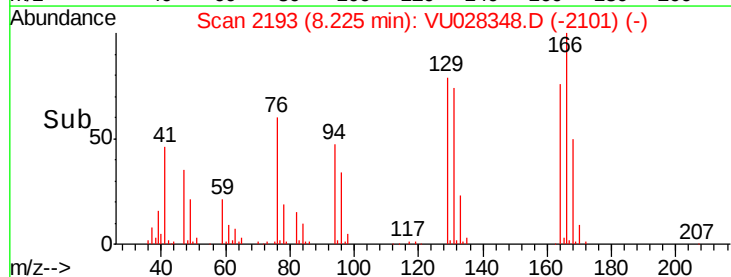
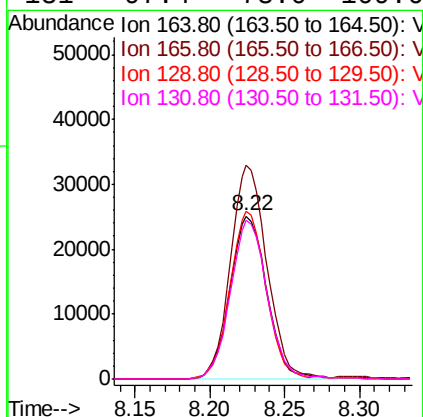
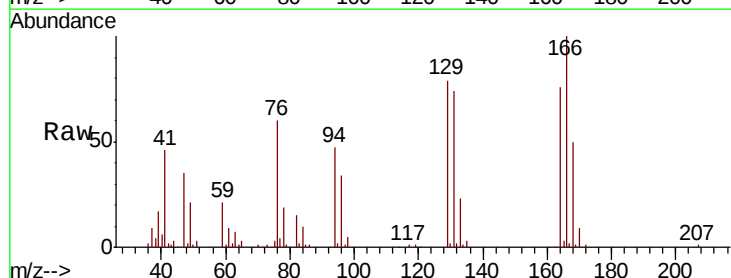
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

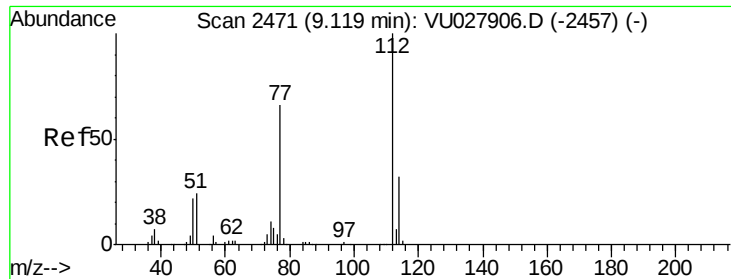
Tot Ion:117 Resp: 330309
Ion Ratio Lower Upper
117 100
82 62.3 48.6 73.0
119 31.7 25.8 38.8



#64
Tetrachloroethene
Concen: 20.172 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion:164 Resp: 43205
Ion Ratio Lower Upper
164 100
166 131.4 102.1 153.1
129 103.2 75.9 113.9
131 97.4 73.0 109.6

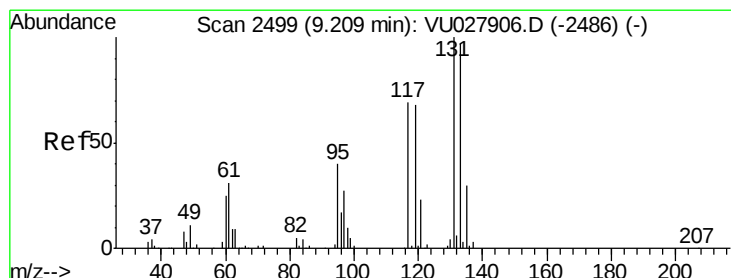
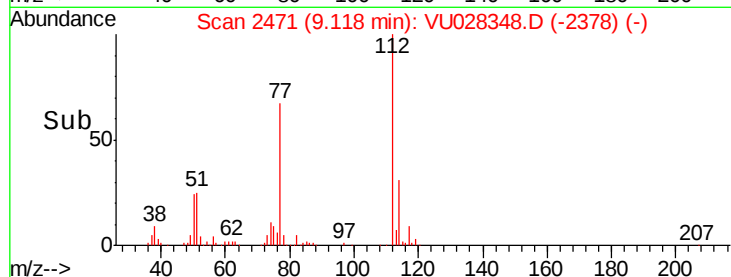
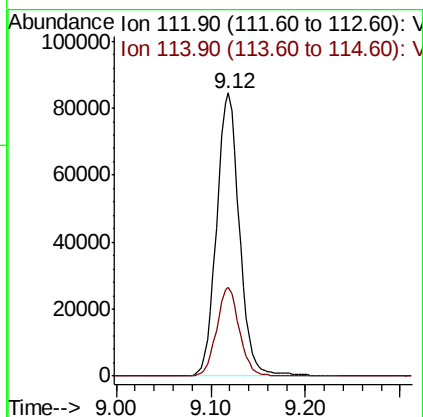
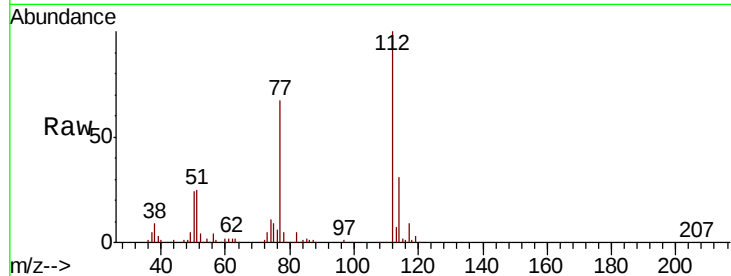




#65
Chlorobenzene
Concen: 20.298 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

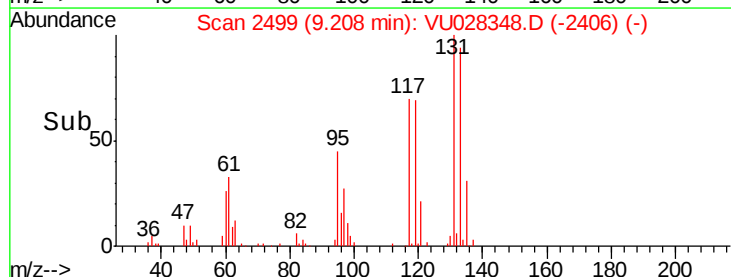
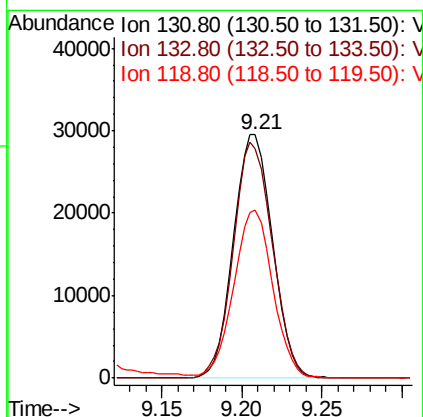
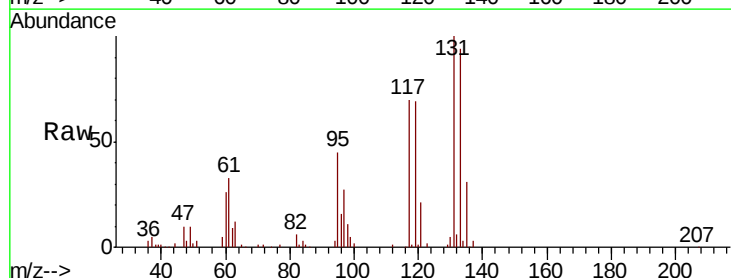
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

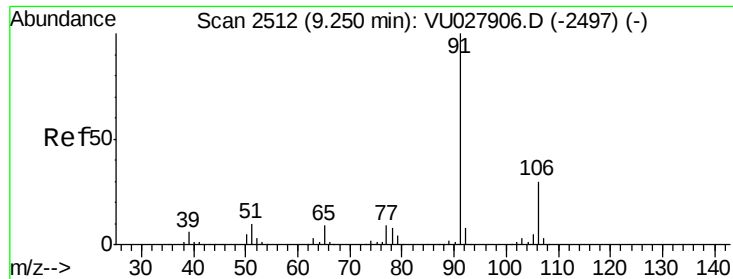
Tot Ion:112 Resp: 141652
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.580 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion:131 Resp: 49054
Ion Ratio Lower Upper
131 100
133 97.1 48.1 144.4
119 69.1 34.0 101.8





#67

Ethyl Benzene

Concen: 20.476 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

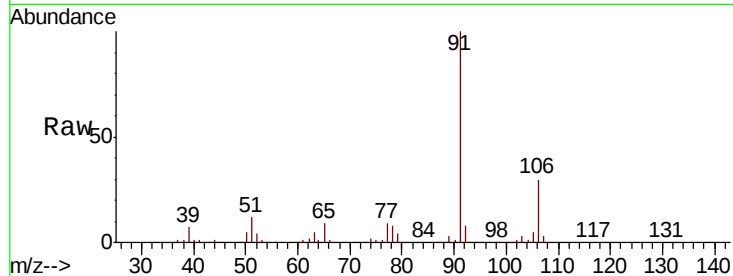
VU1127WBS02

Tot Ion: 91 Resp: 263015

Ion Ratio Lower Upper

91 100

106 30.4 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU027906.D (-2497) (-)

250000

200000

150000

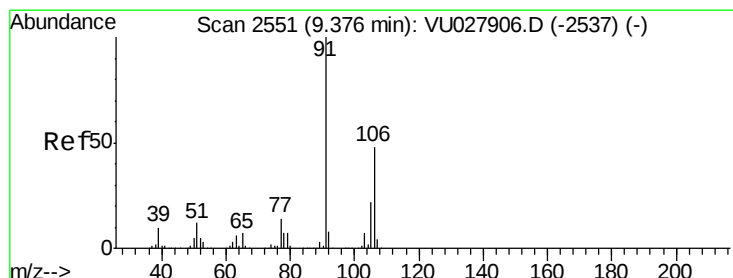
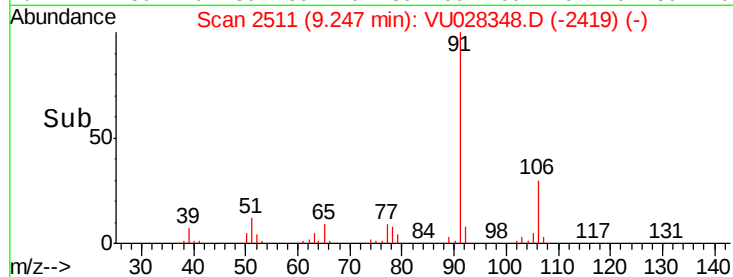
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 40.044 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028348.D

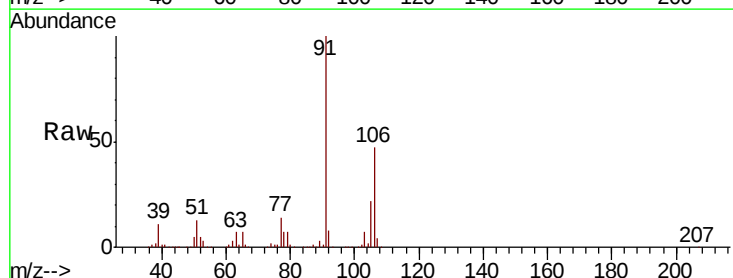
Acq: 27 Nov 2018 20:13

Tgt Ion: 106 Resp: 186635

Ion Ratio Lower Upper

106 100

91 214.6 168.2 252.4



Abundance Ion 106.00 (105.70 to 106.70): VU027906.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-2537) (-)

250000

200000

150000

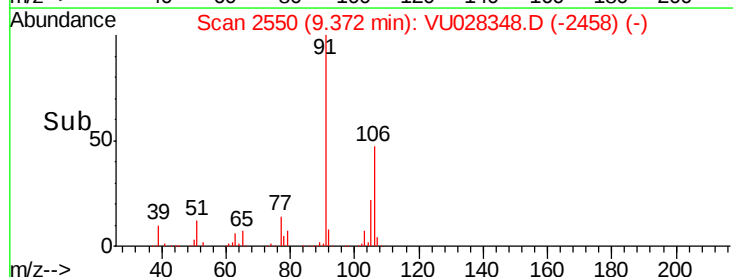
100000

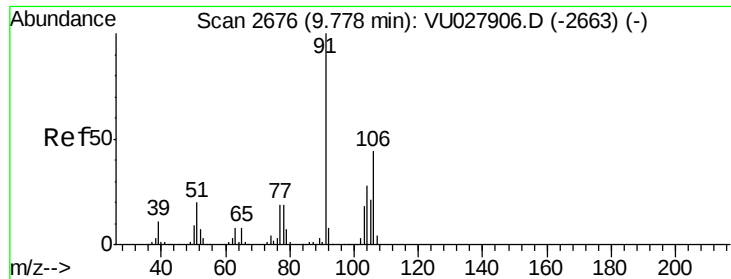
50000

0

9.30 9.35 9.40 9.45

Time-->

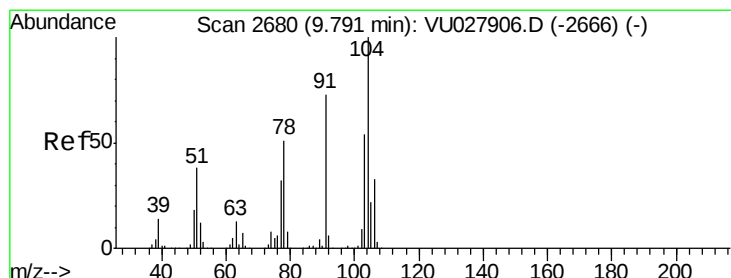
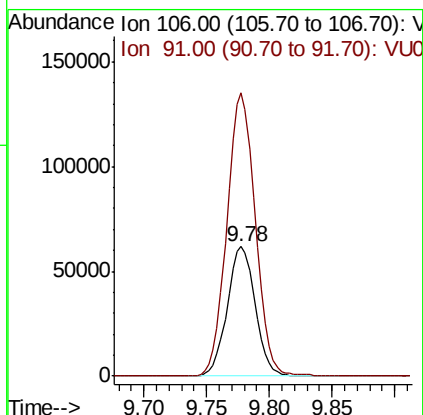
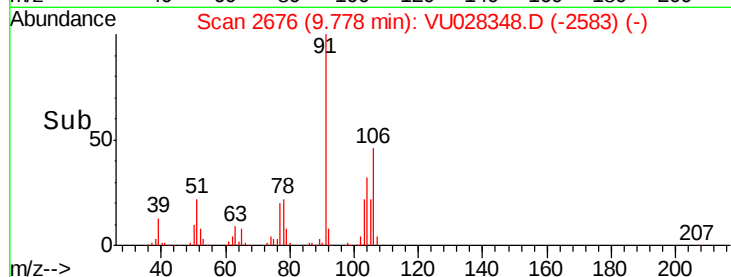
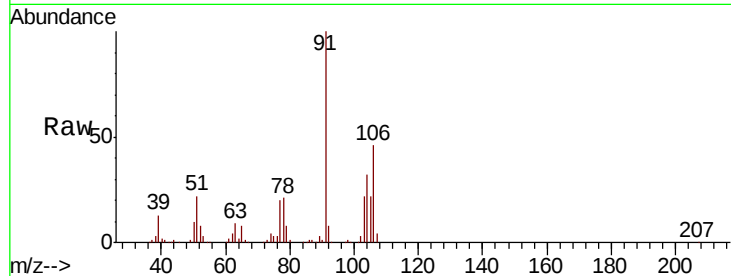




#69
o-Xylene
Concen: 20.349 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

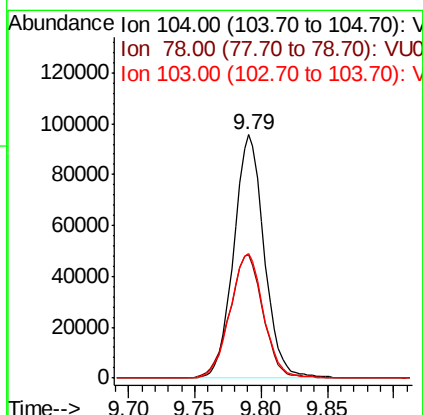
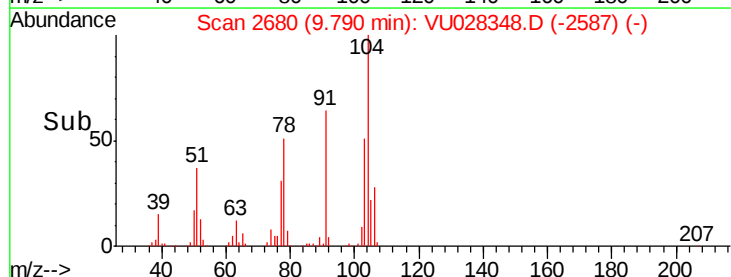
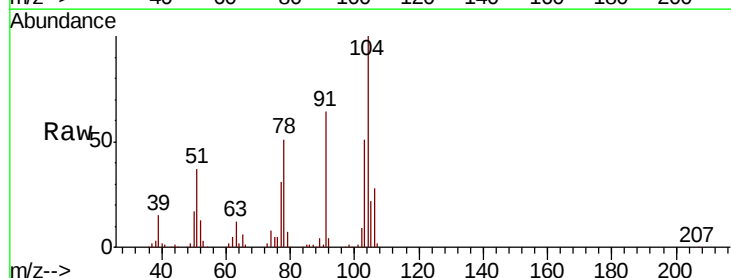
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion:106 Resp: 95771
Ion Ratio Lower Upper
106 100
91 222.3 111.1 333.4



#70
Styrene
Concen: 20.327 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion:104 Resp: 152855
Ion Ratio Lower Upper
104 100
78 55.4 43.0 64.4
103 56.0 45.1 67.7





#71

Bromoform

Concen: 20.761 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

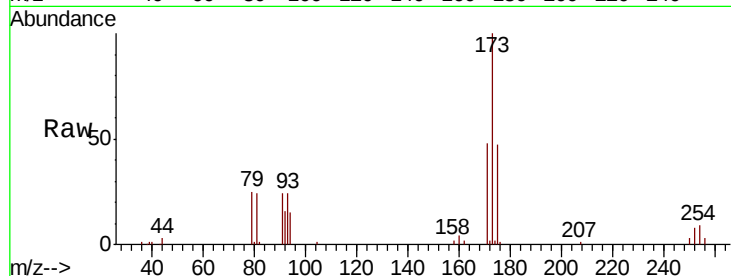
Tot Ion:173 Resp: 41473

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

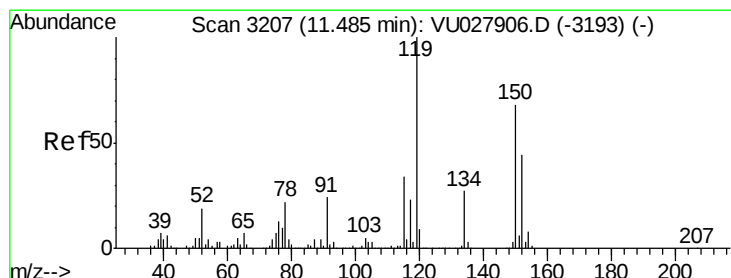
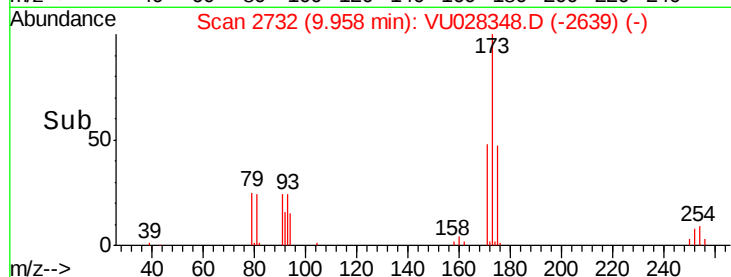
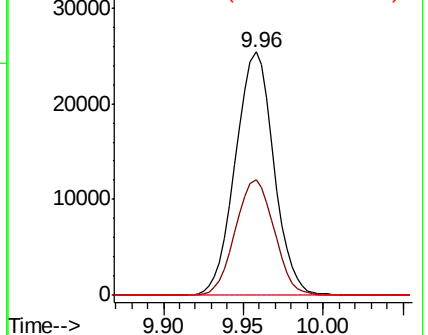
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

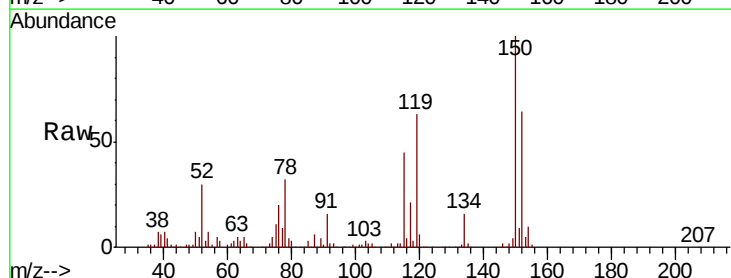
Tgt Ion:152 Resp: 153939

Ion Ratio Lower Upper

152 100

115 72.5 43.0 129.0

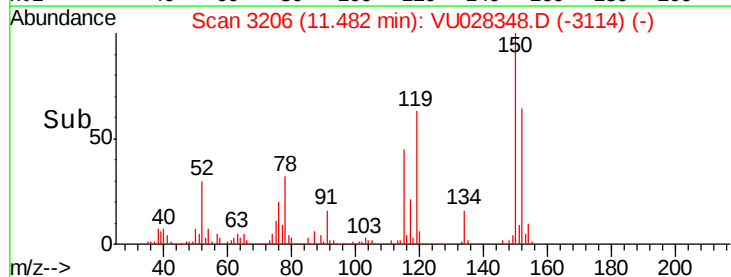
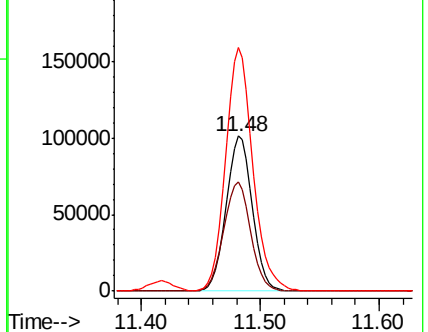
150 163.9 0.0 349.4

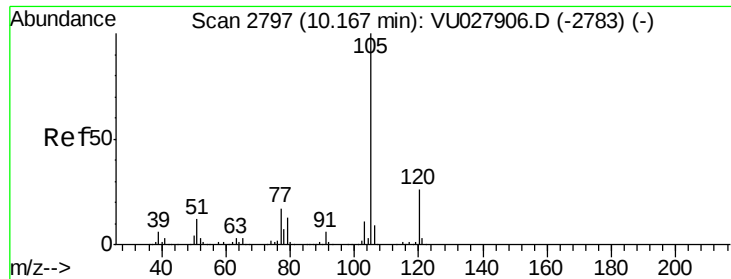


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.949 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

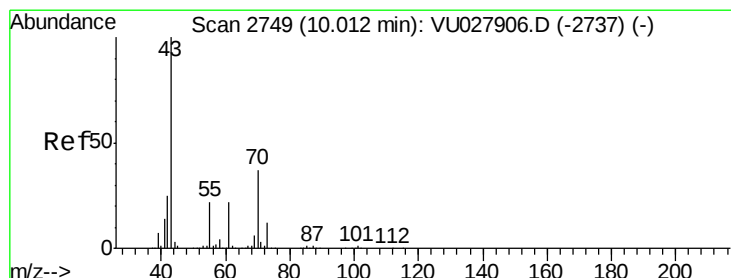
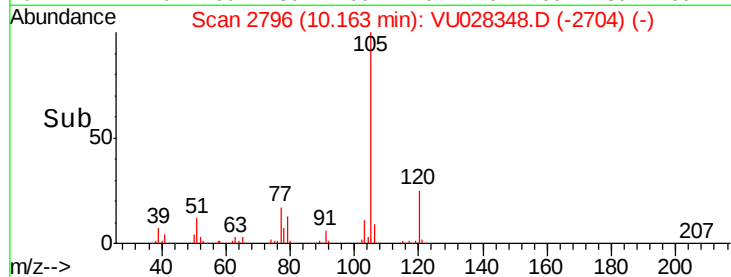
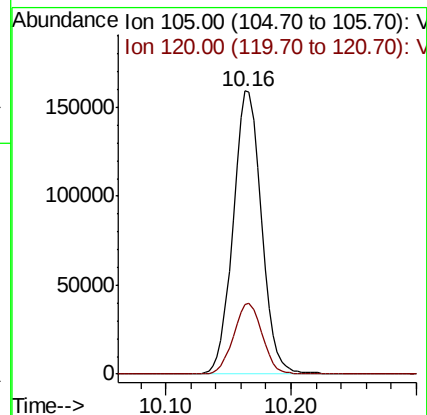
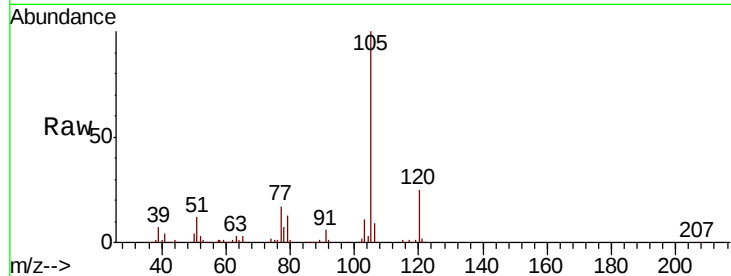
VU1127WBS02

Tot Ion:105 Resp: 249827

Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.0



#74

N-ethyl acetate

Concen: 21.661 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Tgt Ion: 43 Resp: 156204

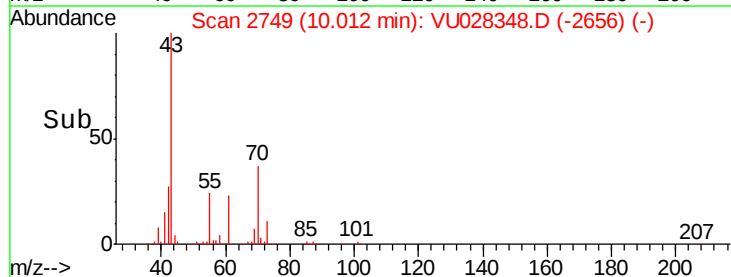
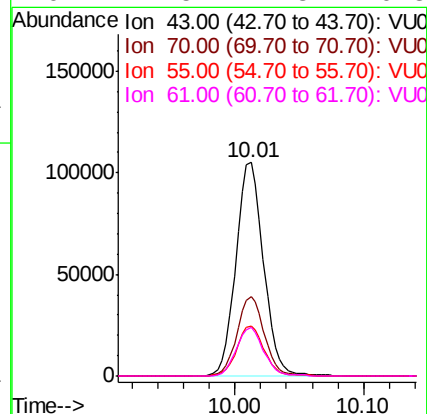
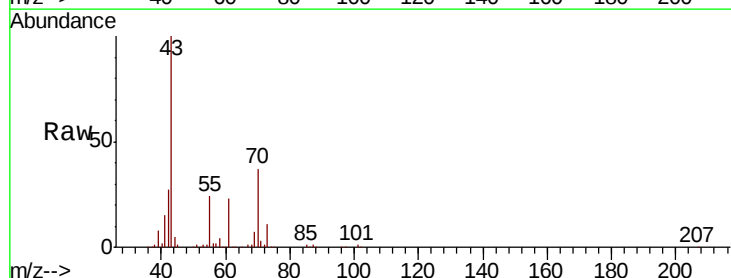
Ion Ratio Lower Upper

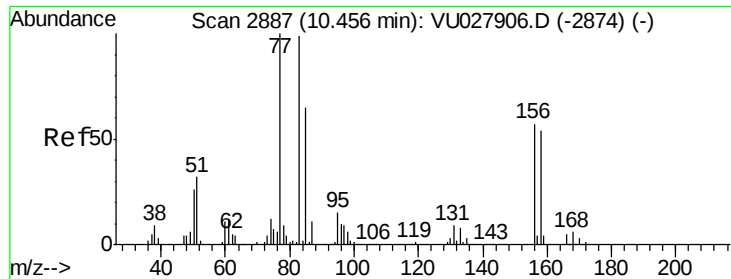
43 100

70 36.8 29.2 43.8

55 23.2 17.8 26.6

61 22.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.357 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

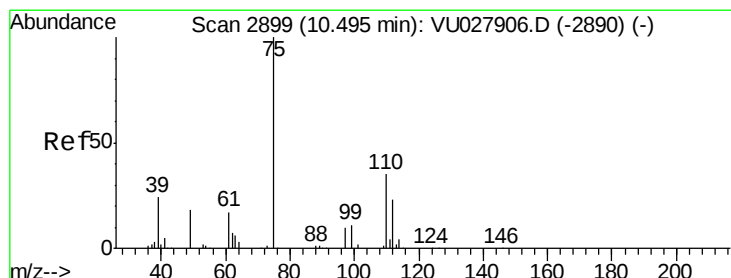
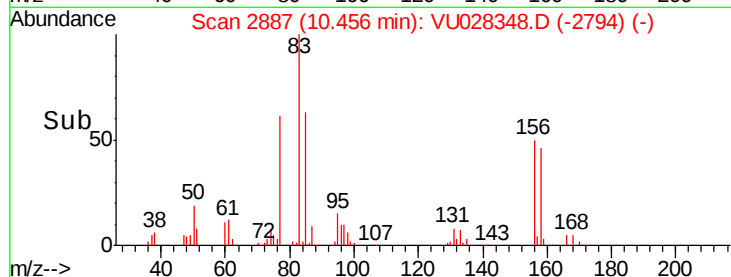
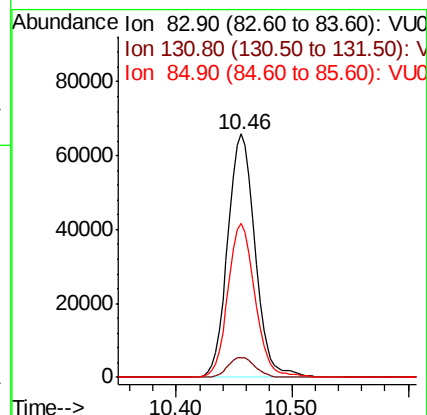
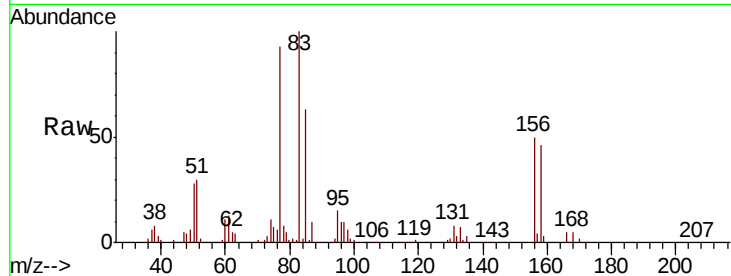
Tot Ion: 83 Resp: 107546

Ion Ratio Lower Upper

83 100

131 8.0 4.3 13.1

85 62.7 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 29.775 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028348.D

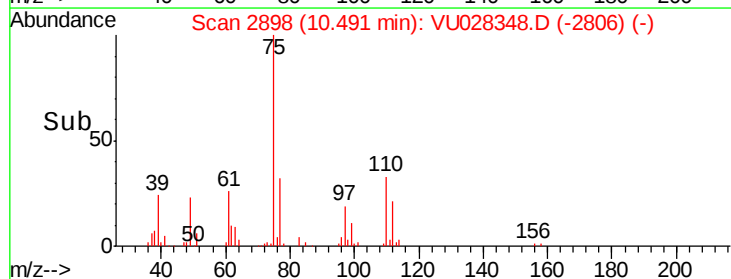
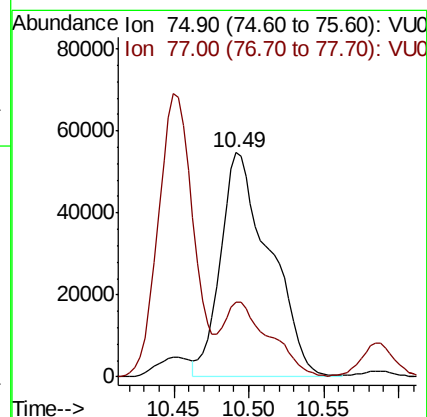
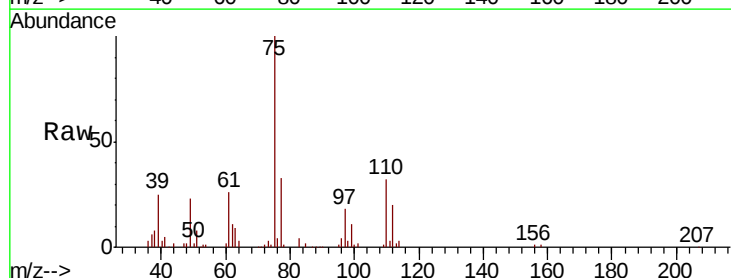
Acq: 27 Nov 2018 20:13

Tgt Ion: 75 Resp: 125374

Ion Ratio Lower Upper

75 100

77 30.8 21.6 64.6





#77

Bromobenzene

Concen: 21.020 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

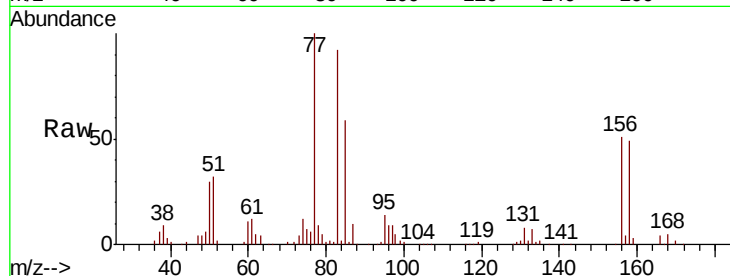
Tot Ion:156 Resp: 57479

Ion Ratio Lower Upper

156 100

77 193.7 91.8 275.6

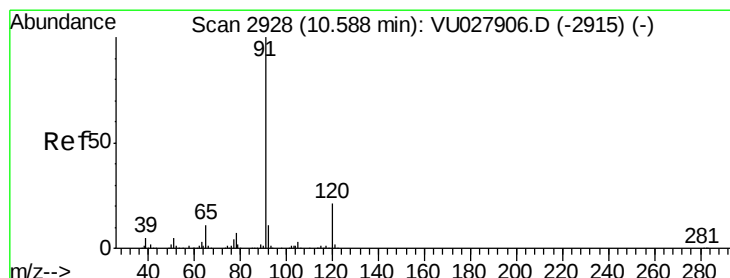
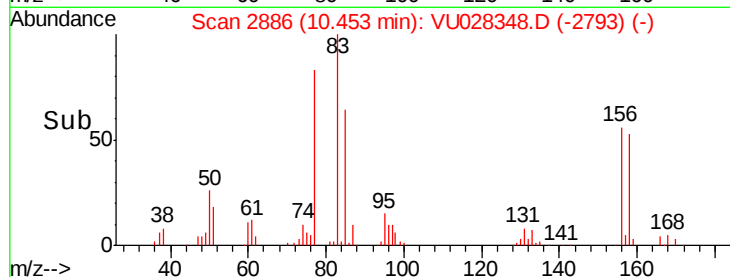
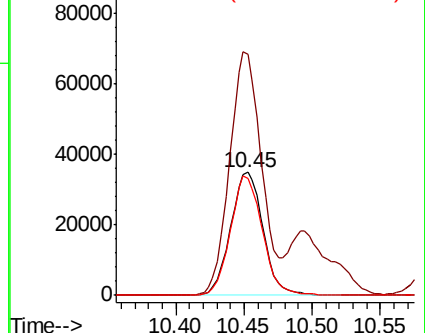
158 95.7 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.233 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028348.D

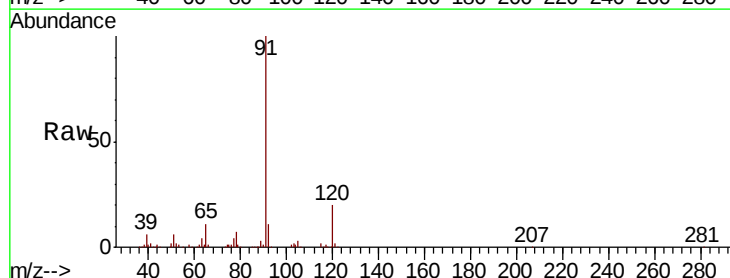
Acq: 27 Nov 2018 20:13

Tgt Ion: 91 Resp: 303097

Ion Ratio Lower Upper

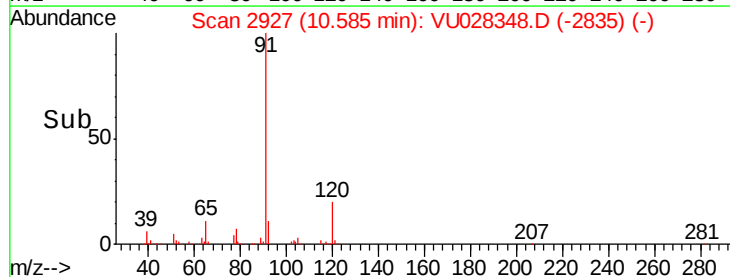
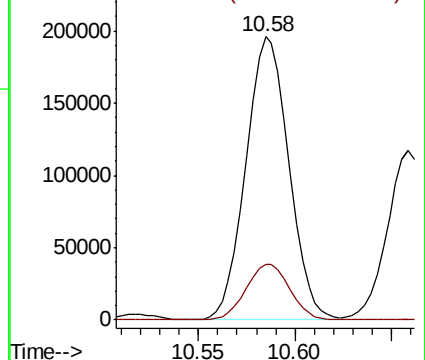
91 100

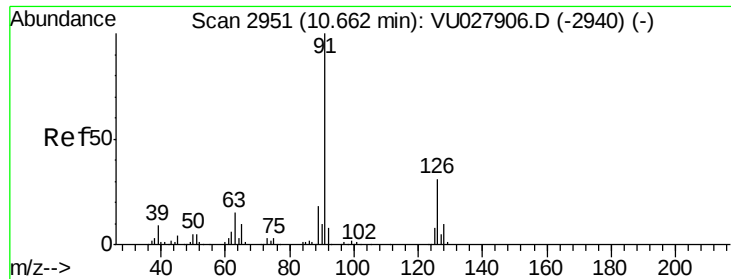
120 19.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

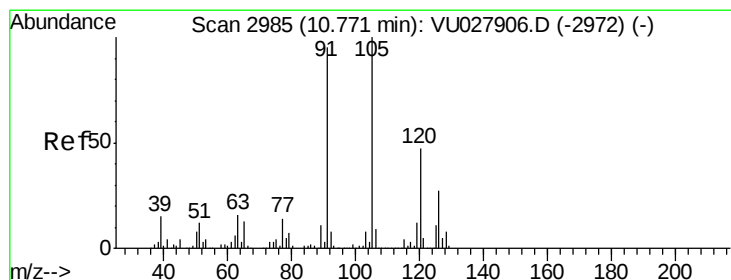
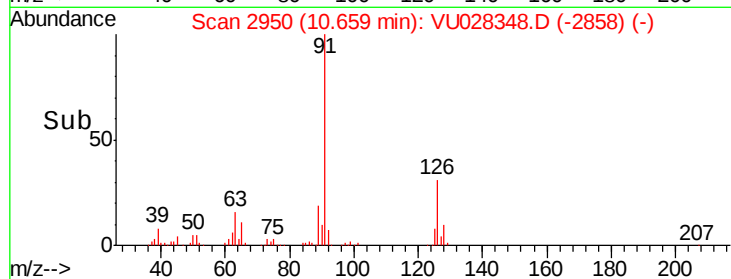
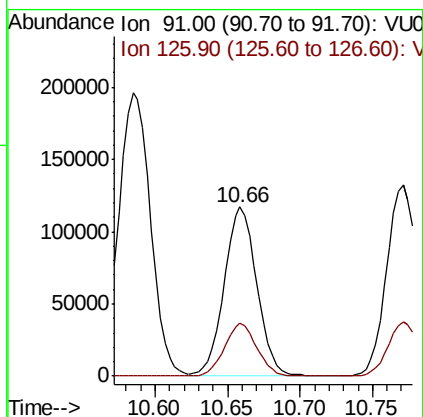
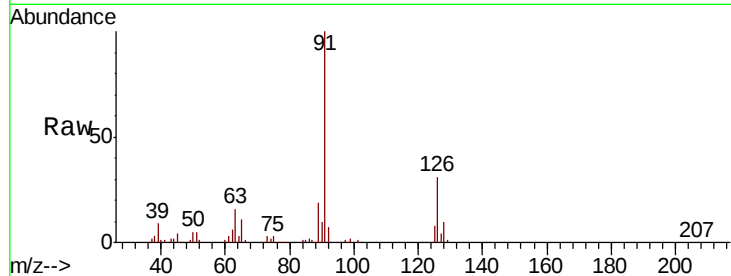




#79
 2-Chlorotoluene
 Concen: 21.307 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

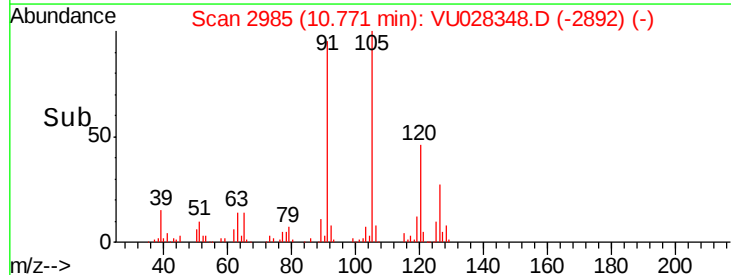
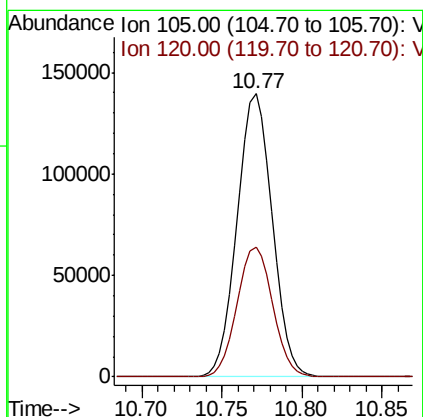
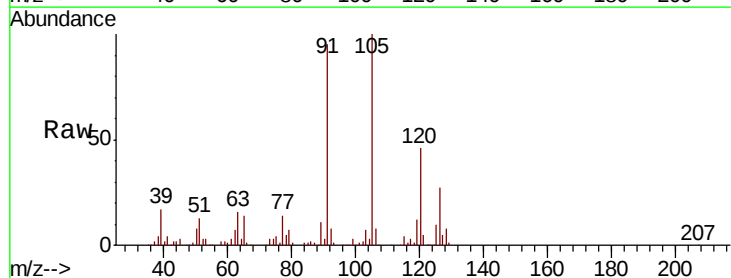
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

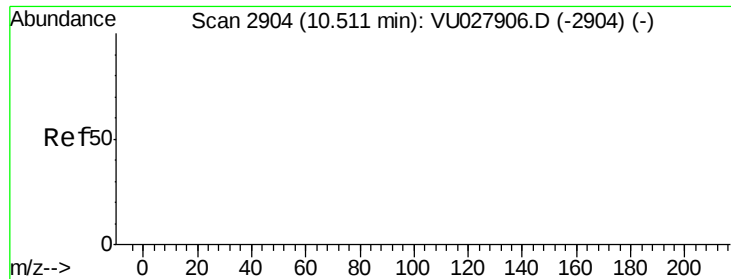
Tot Ion: 91 Resp: 182311
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 21.102 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 105 Resp: 208463
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9

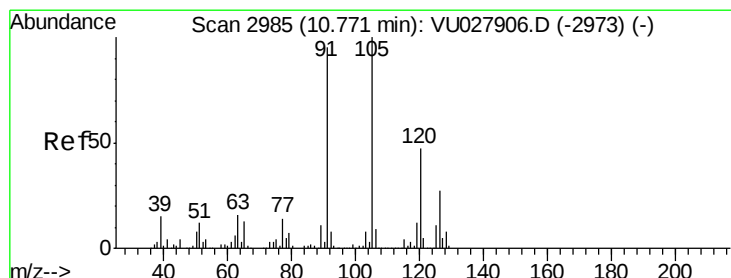
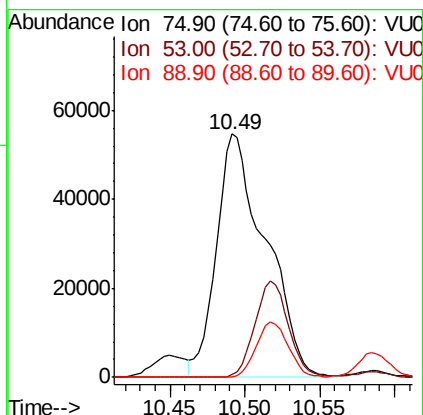
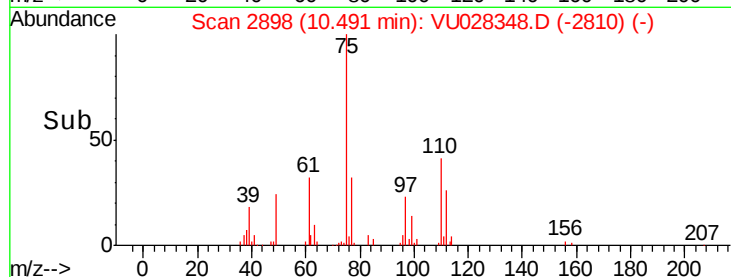
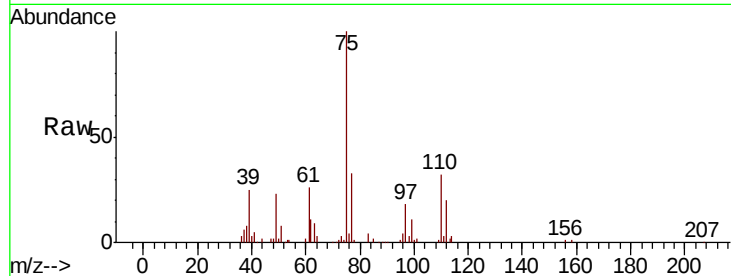




#81
trans-1,4-Dichloro-2-butene
Concen: 74.215 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

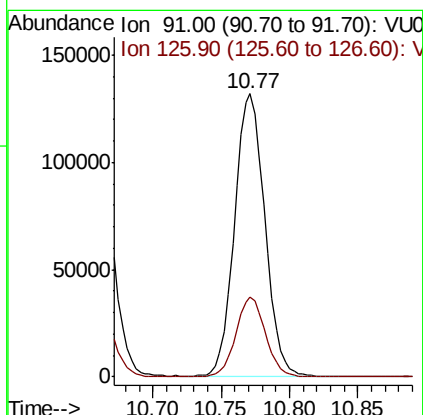
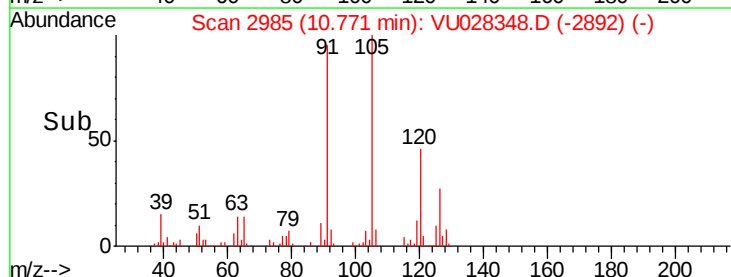
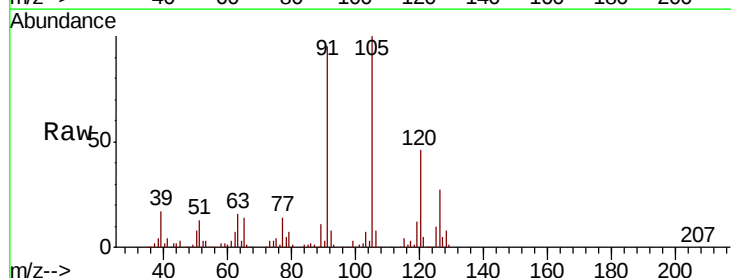
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

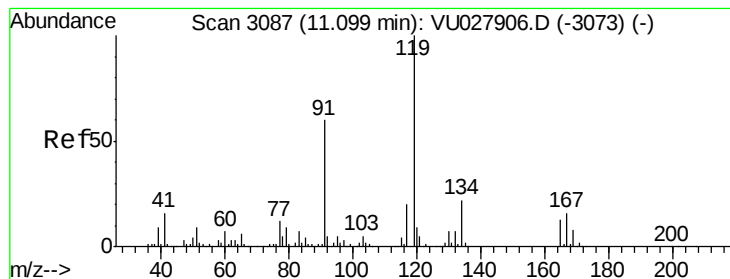
Tot Ion: 75 Resp: 125374
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.908 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 91 Resp: 203093
Ion Ratio Lower Upper
91 100
126 27.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.117 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

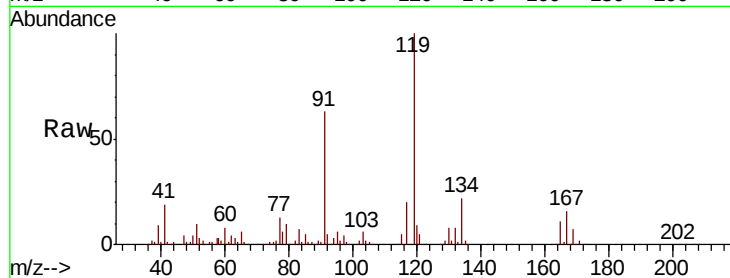
Tot Ion:119 Resp: 198677

Ion Ratio Lower Upper

119 100

91 62.3 29.8 89.3

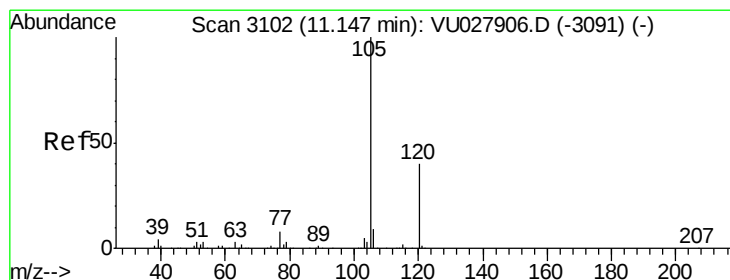
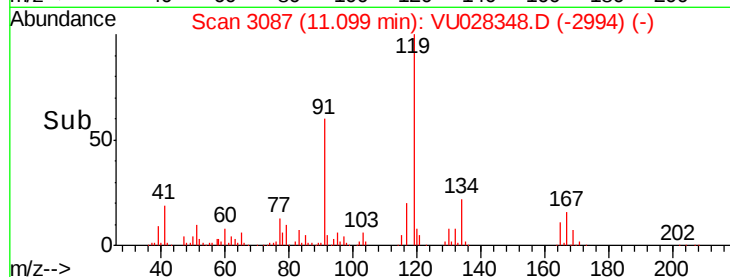
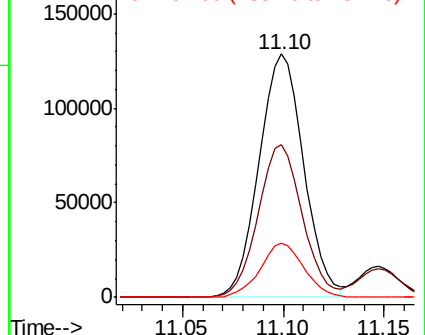
134 22.0 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.129 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028348.D

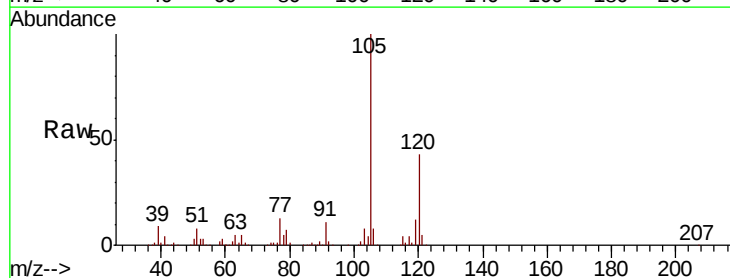
Acq: 27 Nov 2018 20:13

Tgt Ion:105 Resp: 210188

Ion Ratio Lower Upper

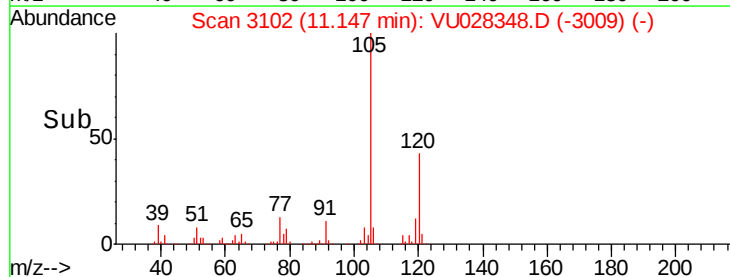
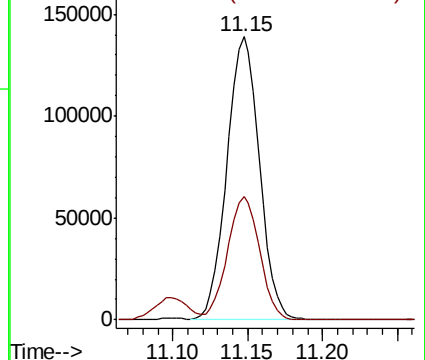
105 100

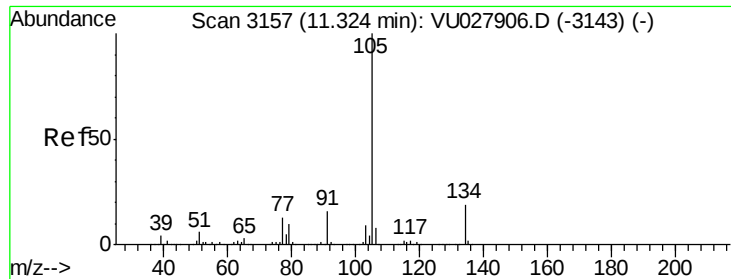
120 43.4 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.958 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

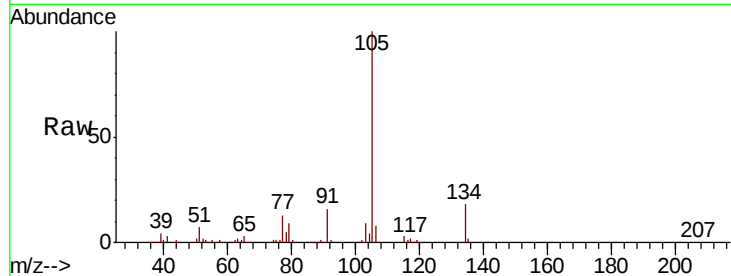
VU1127WBS02

Tot Ion:105 Resp: 251721

Ion Ratio Lower Upper

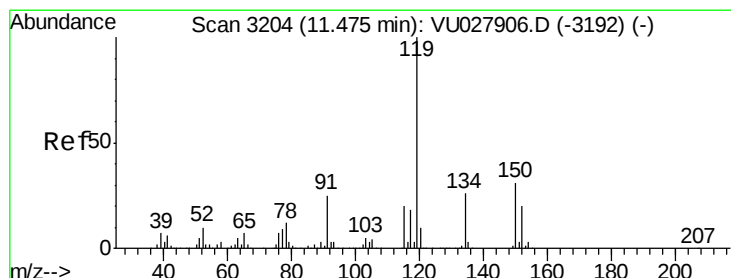
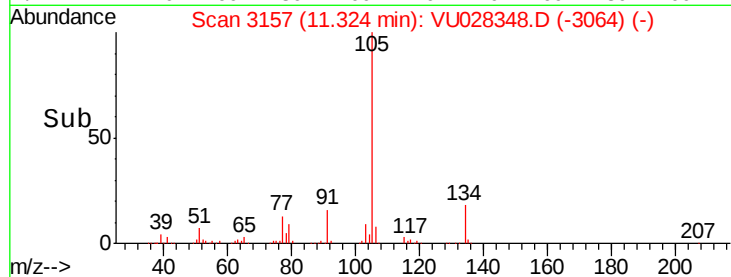
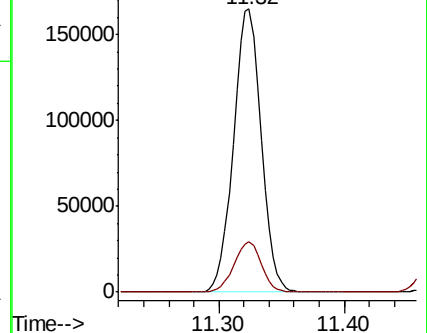
105 100

134 17.5 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.242 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

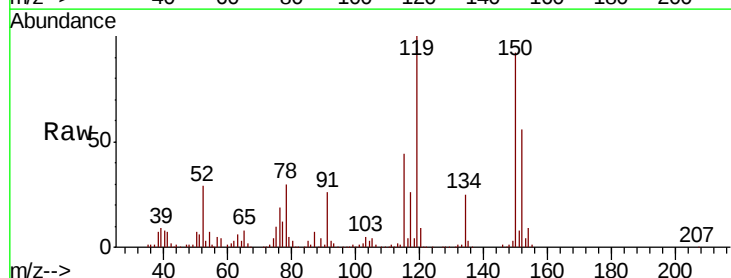
Tgt Ion:119 Resp: 203243

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

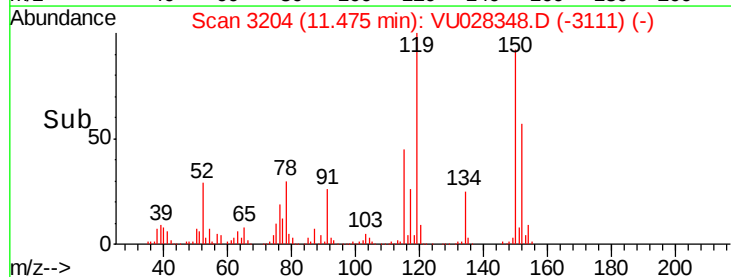
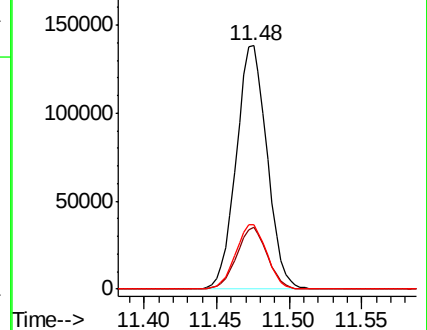
91 26.9 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 20.629 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

VU1127WBS02

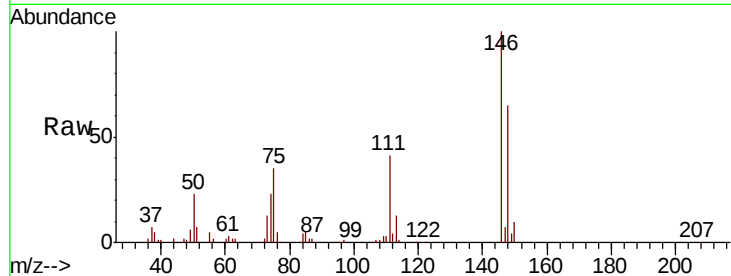
Tot Ion:146 Resp: 104205

Ion Ratio Lower Upper

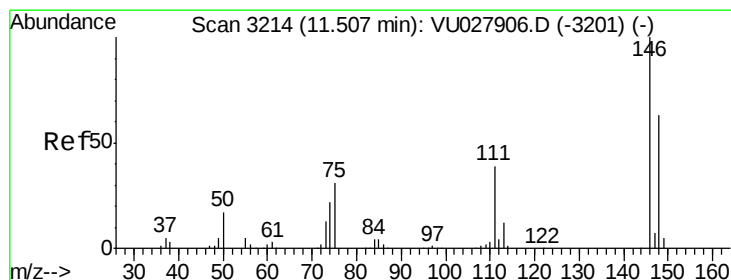
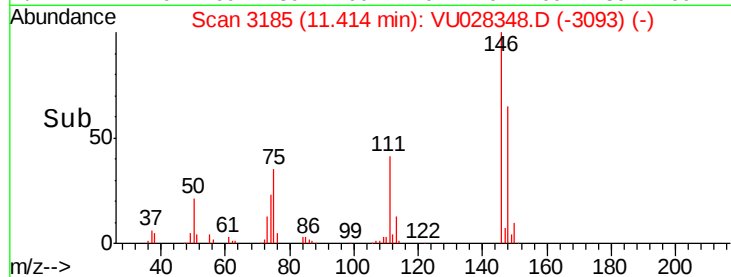
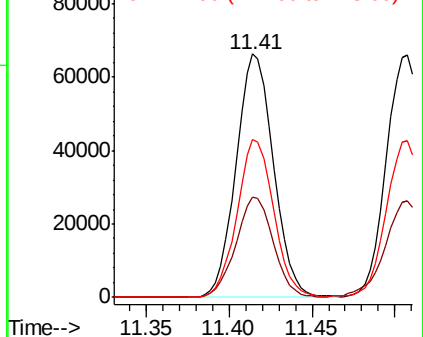
146 100

111 41.0 20.3 61.0

148 63.4 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.864 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028348.D

Acq: 27 Nov 2018 20:13

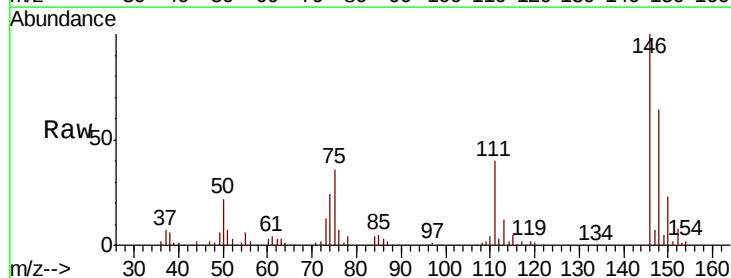
Tgt Ion:146 Resp: 102849

Ion Ratio Lower Upper

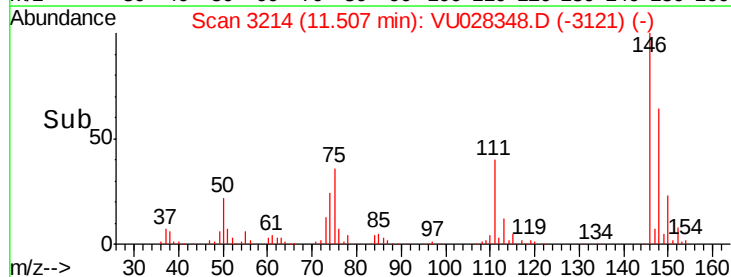
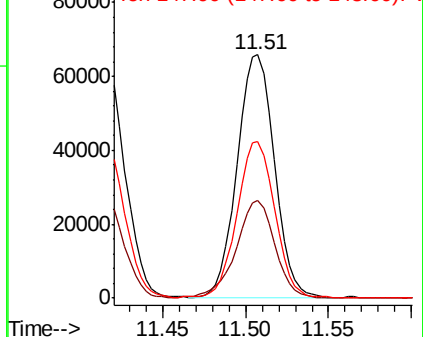
146 100

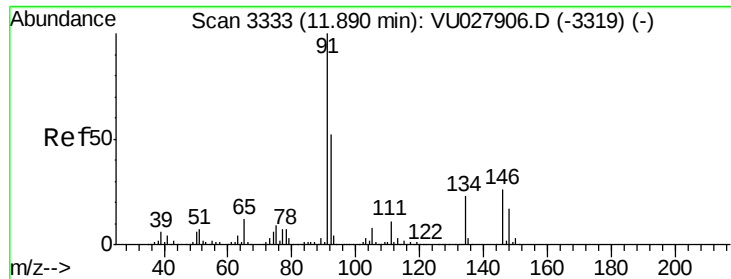
111 42.0 20.3 60.9

148 65.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

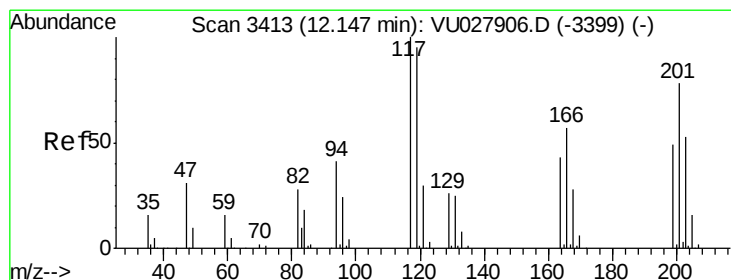
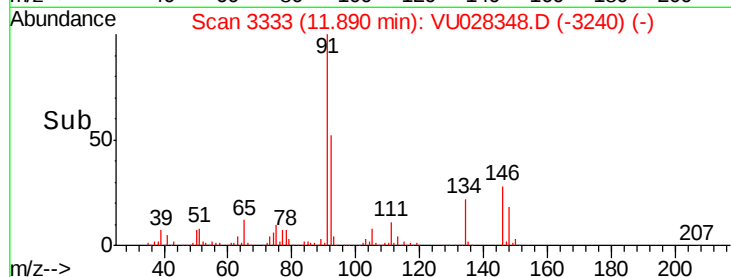
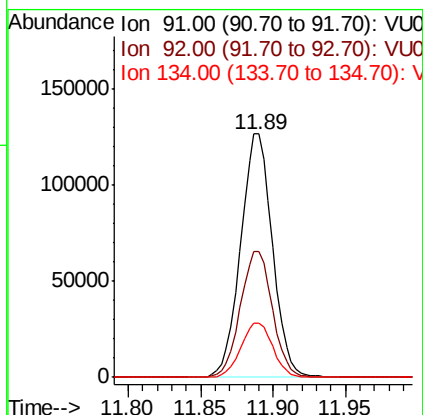
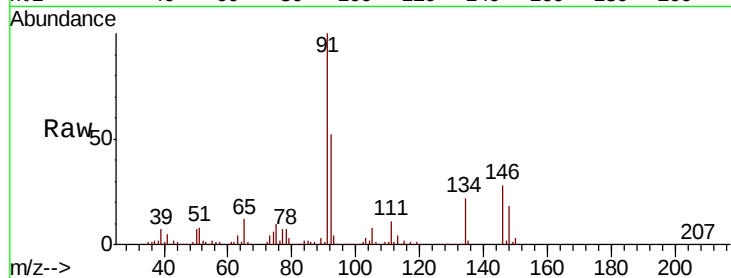




#89
n-Butylbenzene
Concen: 20.257 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

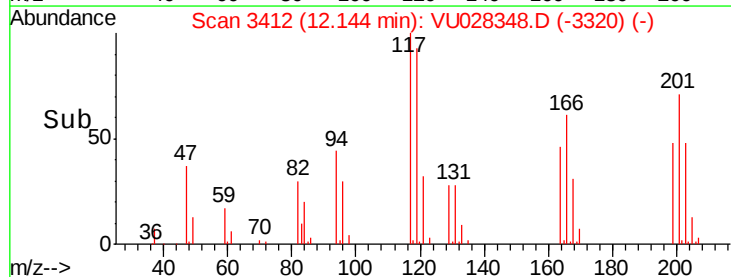
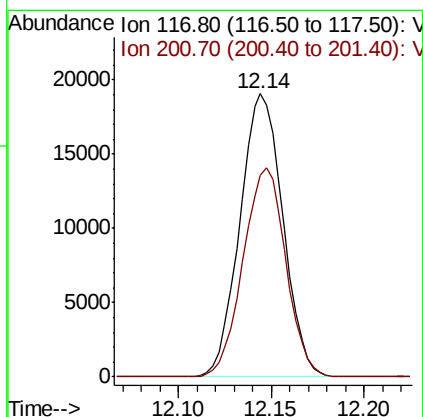
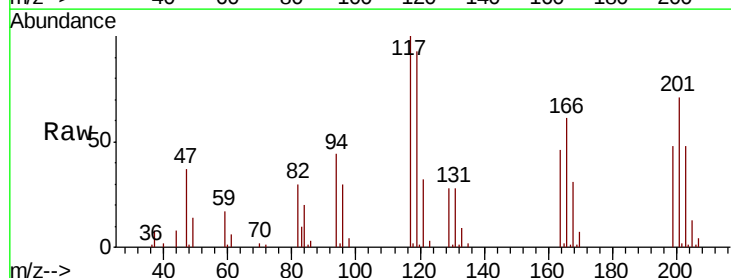
Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

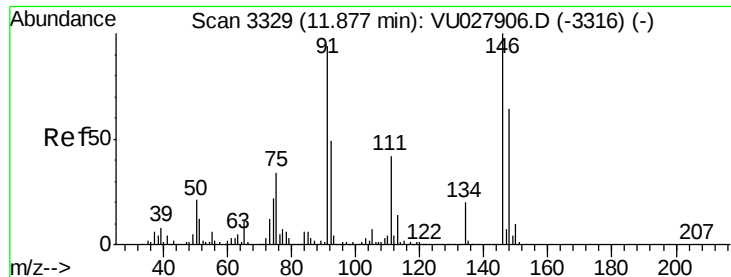
Tot Ion: 91 Resp: 193302
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.5
134 22.3 11.5 34.5



#90
Hexachloroethane
Concen: 17.230 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion: 117 Resp: 30802
Ion Ratio Lower Upper
117 100
201 73.5 38.5 115.5

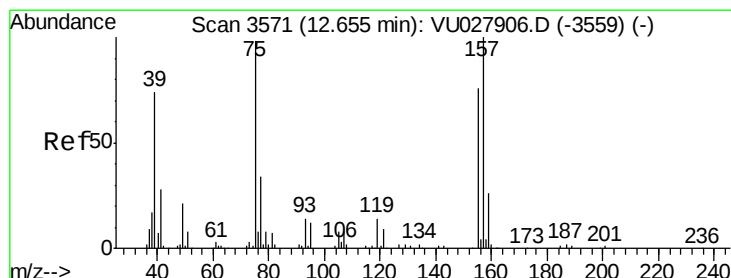
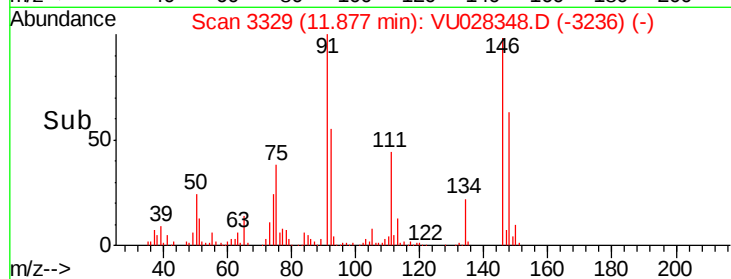
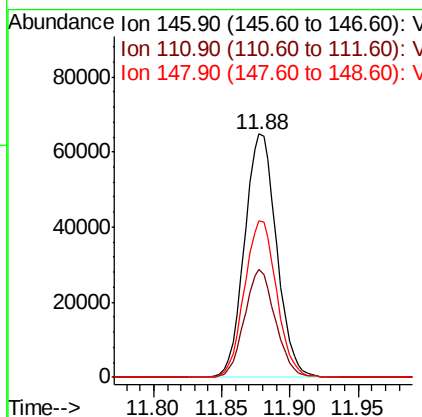
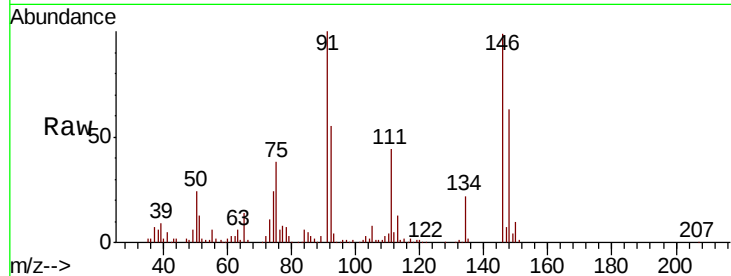




#91
 1,2-Dichlorobenzene
 Concen: 20.789 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

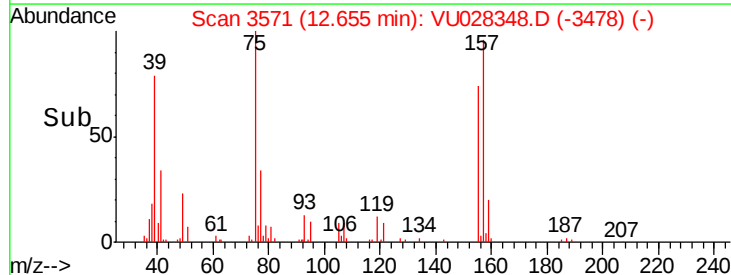
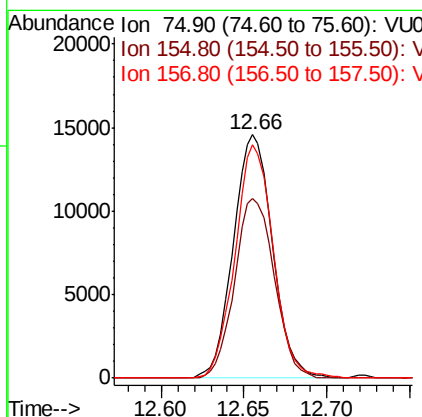
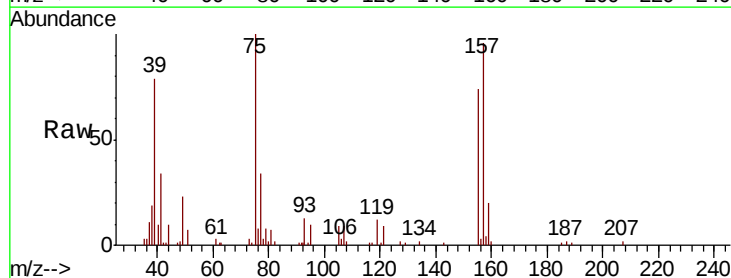
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

Tot Ion:146 Resp: 105609
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.3 64.0
 148 64.5 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.610 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion: 75 Resp: 23931
 Ion Ratio Lower Upper
 75 100
 155 74.9 39.8 119.3
 157 93.7 50.6 151.9

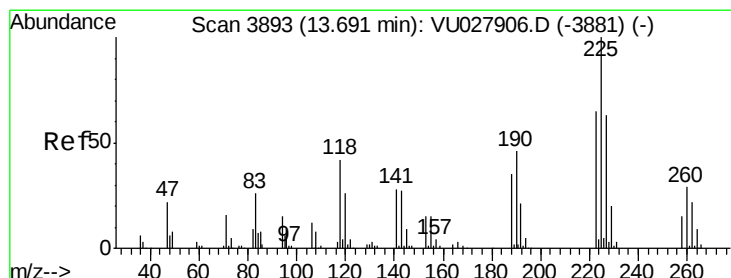
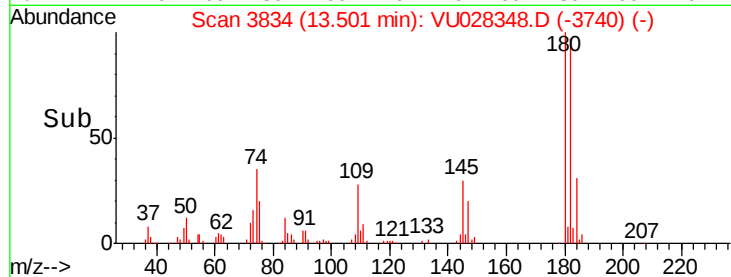
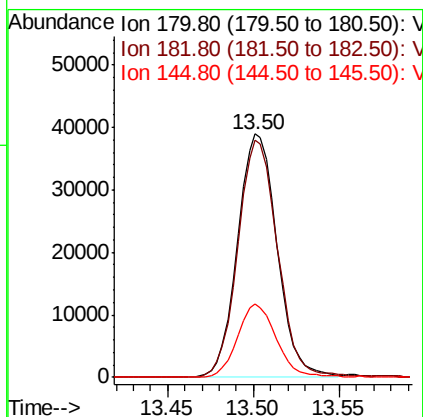
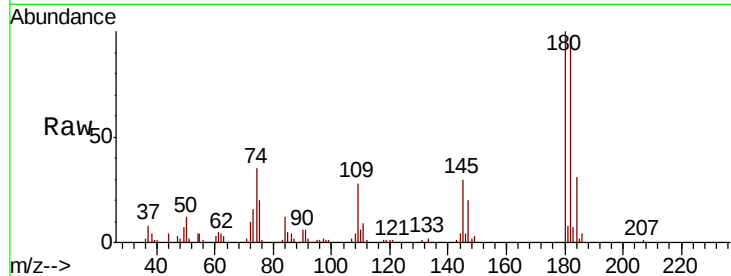




#93
 1,2,4-Trichlorobenzene
 Concen: 17.951 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

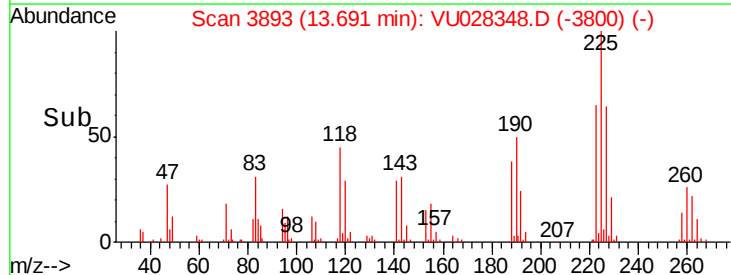
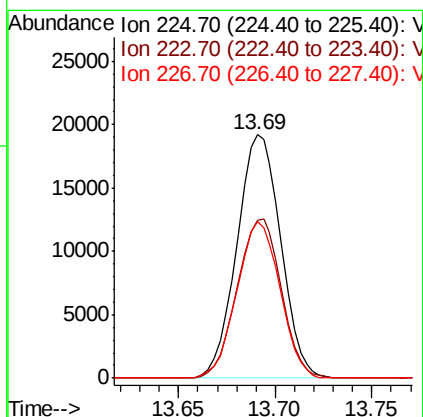
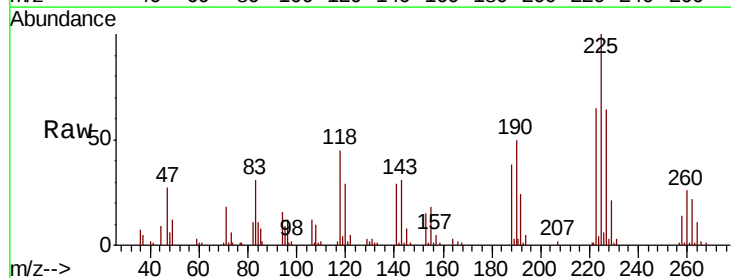
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1127WBS02

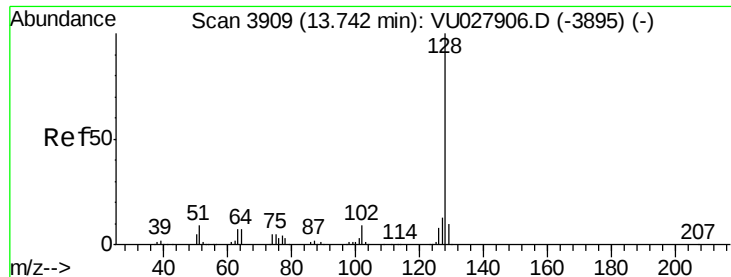
Tot Ion:180 Resp: 62369
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.4 145.2
 145 29.6 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 18.710 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028348.D
 Acq: 27 Nov 2018 20:13

Tgt Ion:225 Resp: 30208
 Ion Ratio Lower Upper
 225 100
 223 66.0 32.2 96.6
 227 63.3 32.5 97.4

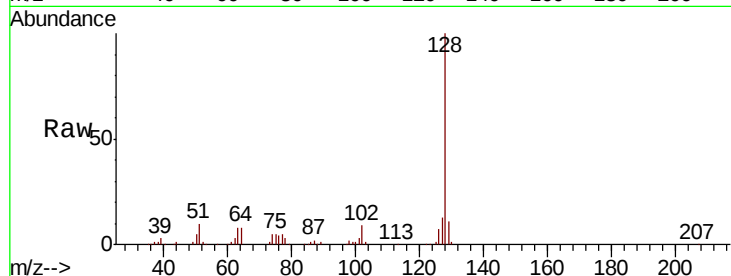




#95
Naphthalene
Concen: 19.053 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Instrument :
MSVOA_U
ClientSampleId :
VU1127WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.4	8.3	12.5

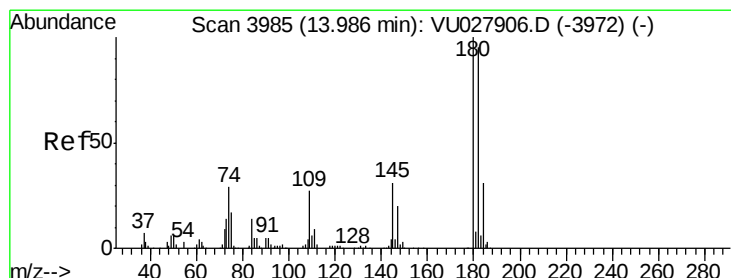
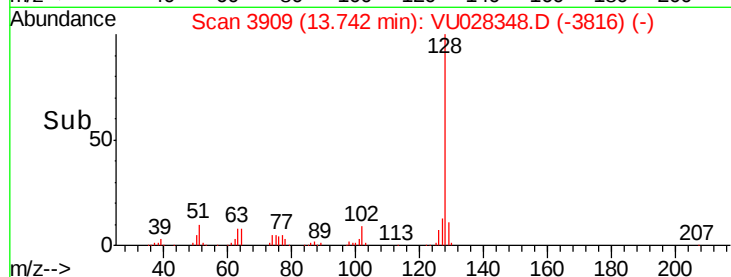
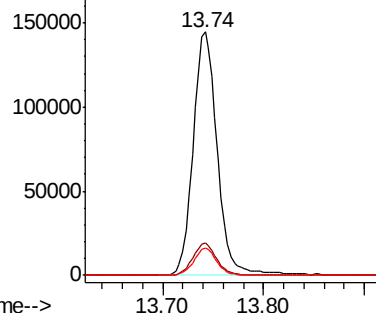


Abundance

Ion 128.00 (127.70 to 128.70): V

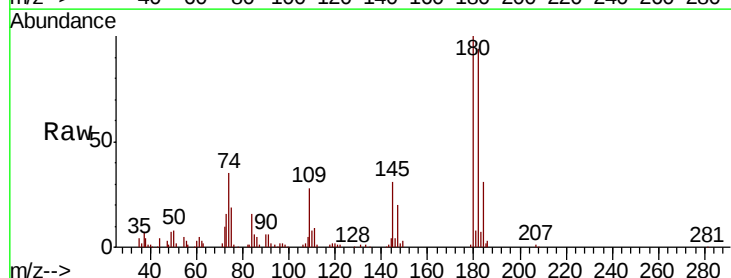
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.852 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028348.D
Acq: 27 Nov 2018 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.3
145	31.0	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

