

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028501.D
 Acq On : 06 Dec 2018 15:26
 Operator : MD/SY
 Sample : VU1206WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:15:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	197575	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89412	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	88679	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
35) Dibromofluoromethane	4.88	113	63906	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	7.57	98	257548	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	10.30	95	94362	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	29904	20.076	ug/l	98
3) Chloromethane	1.33	50	52566	19.196	ug/l	99
4) Vinyl Chloride	1.40	62	39299	19.886	ug/l	100
5) Bromomethane	1.63	94	14632	18.380	ug/l	99
6) Chloroethane	1.70	64	23381	20.898	ug/l	99
7) Trichlorofluoromethane	1.89	101	41024	19.731	ug/l	96
8) Diethyl Ether	2.10	74	18944	19.474	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25610	20.595	ug/l	100
10) Methyl Iodide	2.41	142	20722	21.237	ug/l	100
11) Tert butyl alcohol	2.82	59	39462	104.442	ug/l	100
12) 1,1-Dichloroethene	2.29	96	24366	19.693	ug/l	96
13) Acrolein	2.20	56	29601	98.274	ug/l	98
14) Allyl chloride	2.59	41	54952	18.774	ug/l	100
15) Acrylonitrile	2.94	53	104631	99.744	ug/l	100
16) Acetone	2.32	43	104392	94.332	ug/l	98
17) Carbon Disulfide	2.48	76	85778	19.244	ug/l	99
18) Methyl Acetate	2.62	43	56912	19.839	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	94570	20.162	ug/l	99
20) Methylene Chloride	2.70	84	30477	18.682	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	27491	19.734	ug/l	98
22) Diisopropyl ether	3.57	45	113756	19.985	ug/l	98
23) Vinyl Acetate	3.52	43	472385	100.614	ug/l	100
24) 1,1-Dichloroethane	3.45	63	57323	19.239	ug/l	100
25) 2-Butanone	4.26	43	150856	99.750	ug/l	100
26) 2,2-Dichloropropane	4.23	77	45579	19.306	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	31087	19.716	ug/l	99
28) Bromochloromethane	4.55	49	28841	21.293	ug/l	99
29) Tetrahydrofuran	4.64	42	98809	101.730	ug/l	99
30) Chloroform	4.67	83	52809	20.336	ug/l	95
31) Cyclohexane	5.00	56	59781	19.838	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	42724	19.809	ug/l	98
36) 1,1-Dichloropropene	5.14	75	41647	19.263	ug/l	99
37) Ethyl Acetate	4.38	43	56120	20.080	ug/l	98
38) Carbon Tetrachloride	5.13	117	33525	19.238	ug/l	99

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 Misc : 5.0mL/MSVOA U/WATER
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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:15:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	50284	19.064	ug/l	97
40) Benzene	5.39	78	123475	19.391	ug/l	96
41) Methacrylonitrile	4.54	41	30594	19.988	ug/l	99
42) 1,2-Dichloroethane	5.40	62	42862	19.230	ug/l	100
43) Isopropyl Acetate	5.55	43	87234	19.733	ug/l	99
44) Trichloroethene	6.19	130	27730	19.586	ug/l	99
45) 1,2-Dichloropropane	6.43	63	35253	19.687	ug/l	99
46) Dibromomethane	6.56	93	20830	19.606	ug/l	100
47) Bromodichloromethane	6.76	83	41064	19.862	ug/l	96
48) Methyl methacrylate	6.62	41	43998	20.014	ug/l	99
49) 1,4-Dioxane	6.61	88	14165	408.072	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	272451	97.717	ug/l	99
52) Toluene	7.64	92	73231	19.541	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	47009	19.092	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	51787	19.386	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	28739	19.400	ug/l	93
56) Ethyl methacrylate	8.02	69	49675	19.582	ug/l	99
57) 1,3-Dichloropropane	8.24	76	52839	19.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	124167	95.562	ug/l	100
59) 2-Hexanone	8.36	43	210721	95.353	ug/l	99
60) Dibromochloromethane	8.48	129	27945	19.268	ug/l	97
61) 1,2-Dibromoethane	8.58	107	30448	19.600	ug/l	97
64) Tetrachloroethene	8.23	164	23440	19.181	ug/l	97
65) Chlorobenzene	9.12	112	75262	19.278	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	24789	19.884	ug/l	99
67) Ethyl Benzene	9.25	91	138214	19.258	ug/l	98
68) m/p-Xylenes	9.37	106	100092	38.328	ug/l	97
69) o-Xylene	9.78	106	49222	19.395	ug/l	99
70) Styrene	9.79	104	79863	19.015	ug/l	99
71) Bromoform	9.96	173	20371	19.208	ug/l	# 98
73) Isopropylbenzene	10.16	105	130431	19.011	ug/l	100
74) N-amyl acetate	10.01	43	73532	18.580	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51434	19.515	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	60260	26.393	ug/l	83
77) Bromobenzene	10.45	156	30744	19.160	ug/l	100
78) n-propylbenzene	10.58	91	159796	18.744	ug/l	100
79) 2-Chlorotoluene	10.66	91	93451	19.030	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	109030	19.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	60260	64.737	ug/l	# 100
82) 4-Chlorotoluene	10.77	91	106781	18.349	ug/l	98
83) tert-Butylbenzene	11.10	119	103916	18.984	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	111462	19.044	ug/l	99
85) sec-Butylbenzene	11.32	105	133444	18.976	ug/l	100
86) p-Isopropyltoluene	11.48	119	110834	18.554	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56411	18.618	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	55593	17.734	ug/l	98
89) n-Butylbenzene	11.89	91	108280	17.910	ug/l	100
90) Hexachloroethane	12.14	117	16337	18.094	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	53923	17.792	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10751	18.842	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

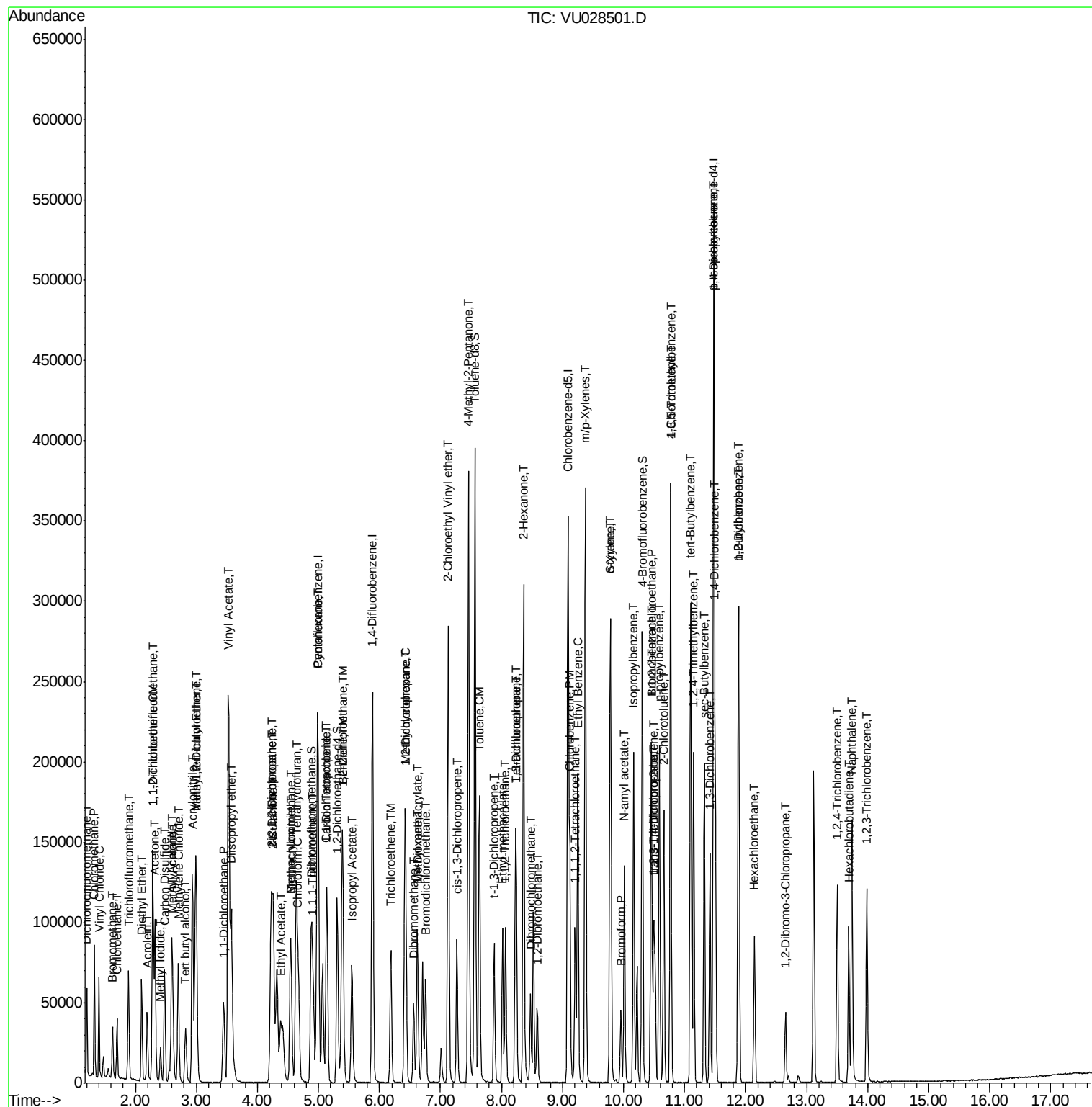
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	36898	18.262	ug/l	99
94) Hexachlorobutadiene	13.69	225	17585	17.713	ug/l	98
95) Naphthalene	13.74	128	127604	17.546	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	37784	18.322	ug/l	98

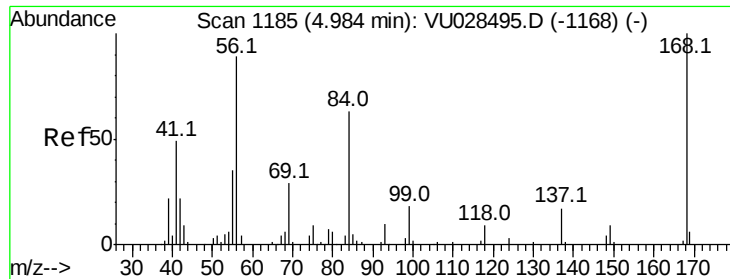
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
Data File : VU028501.D
Acq On : 06 Dec 2018 15:26
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MSVOA_U
ClientSampled :

Quant Time: Dec 07 06:15:05 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

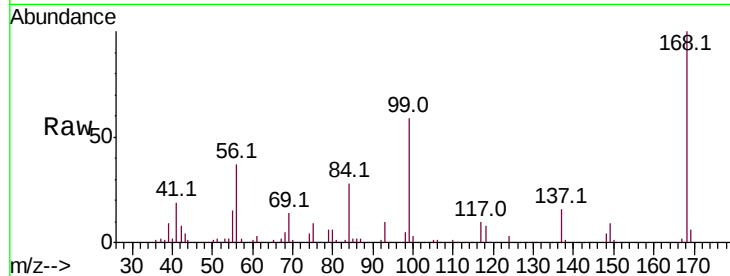
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 111128

Ion Ratio Lower Upper

168 100

99 59.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

60000

50000

40000

30000

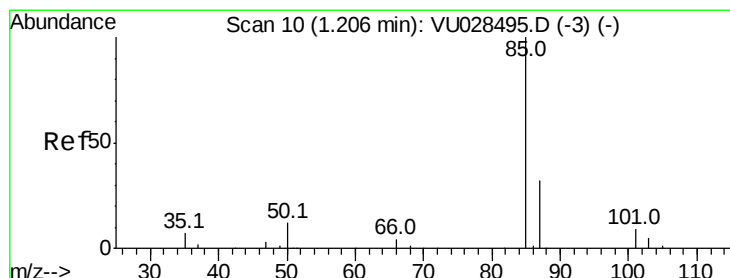
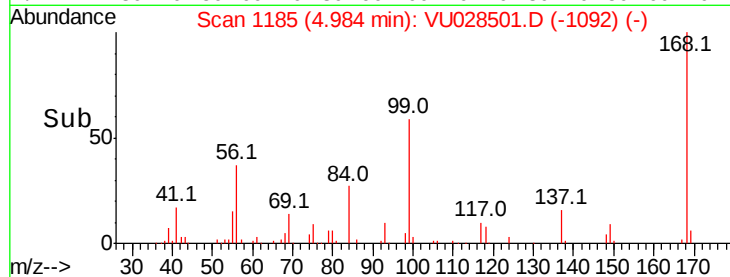
20000

10000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 20.076 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028501.D

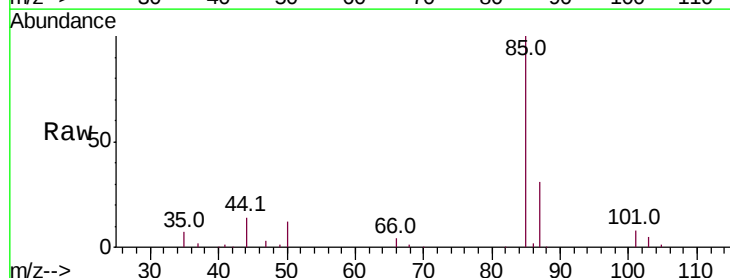
Acq: 06 Dec 2018 15:26

Tgt Ion: 85 Resp: 29904

Ion Ratio Lower Upper

85 100

87 30.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

30000

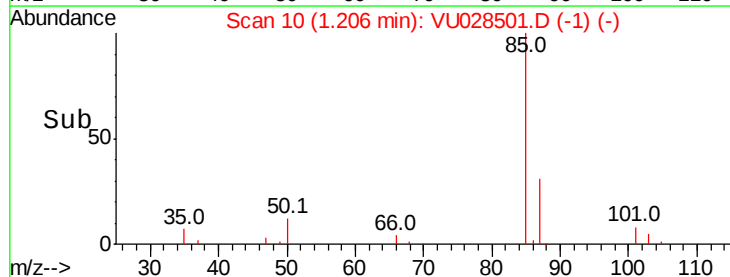
20000

10000

0

Time-->

1.20 1.25





#3

Chloromethane

Concen: 19.196 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

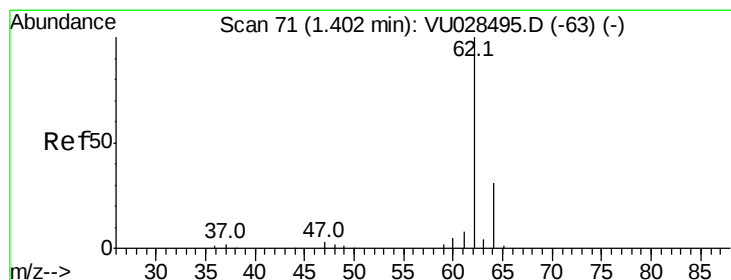
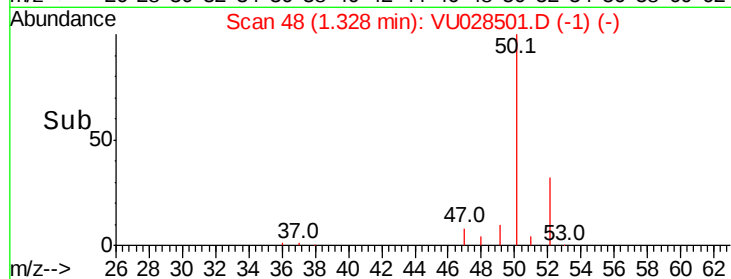
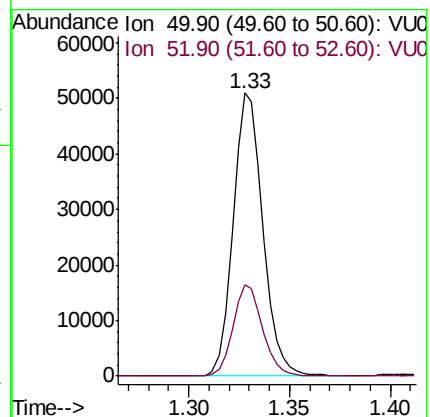
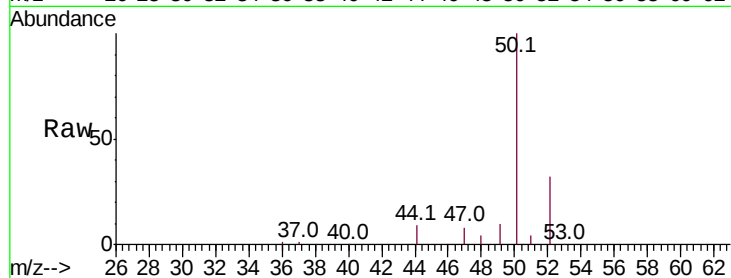
ClientSampled :

Tot Ion: 50 Resp: 52566

Ion Ratio Lower Upper

50 100

52 32.5 25.5 38.3



#4

Vinyl Chloride

Concen: 19.886 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028501.D

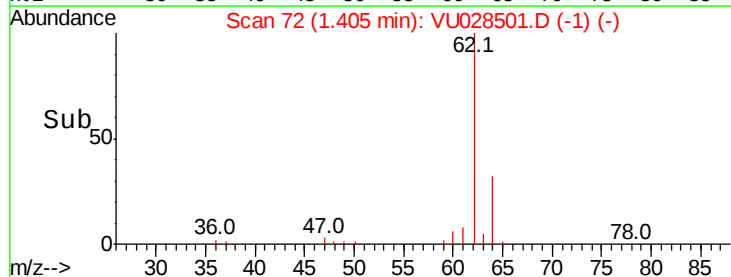
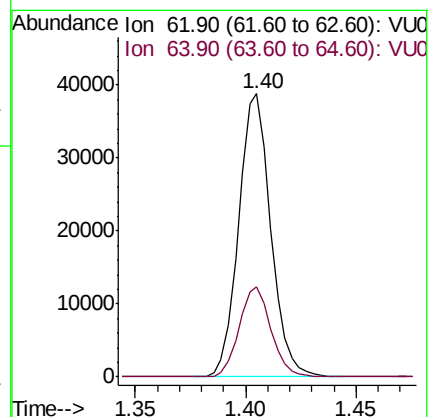
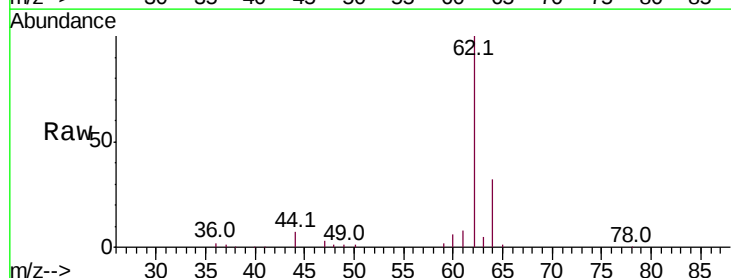
Acq: 06 Dec 2018 15:26

Tgt Ion: 62 Resp: 39299

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 18.380 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

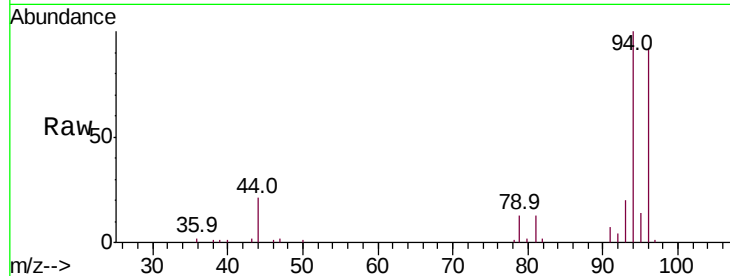
ClientSampleId :

Tot Ion: 94 Resp: 14632

Ion Ratio Lower Upper

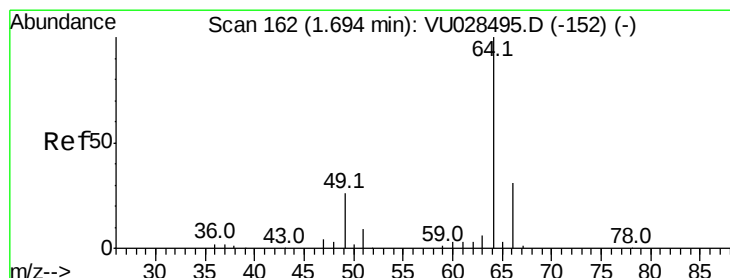
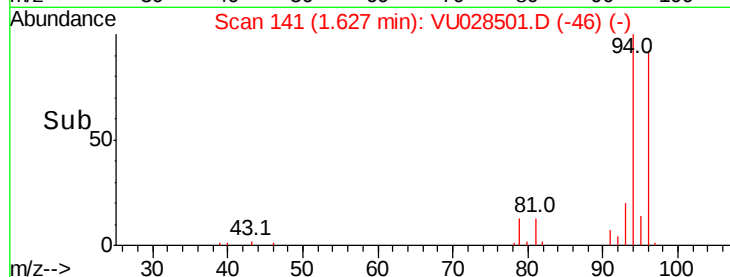
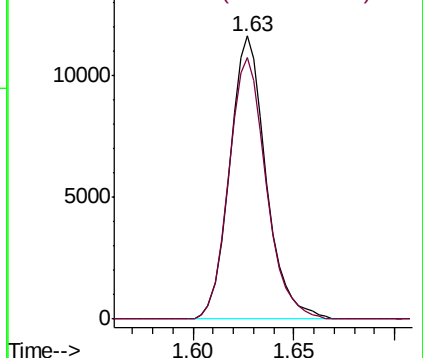
94 100

96 92.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.898 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028501.D

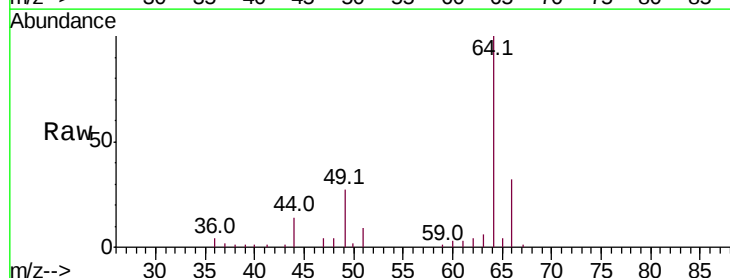
Acq: 06 Dec 2018 15:26

Tgt Ion: 64 Resp: 23381

Ion Ratio Lower Upper

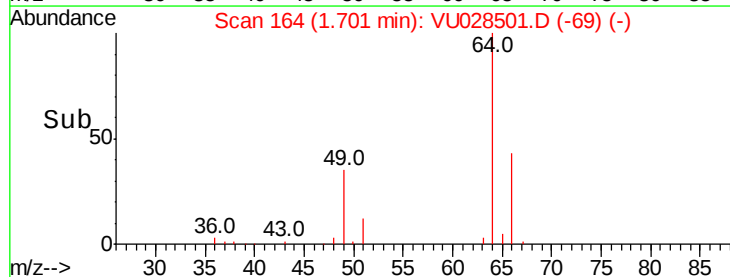
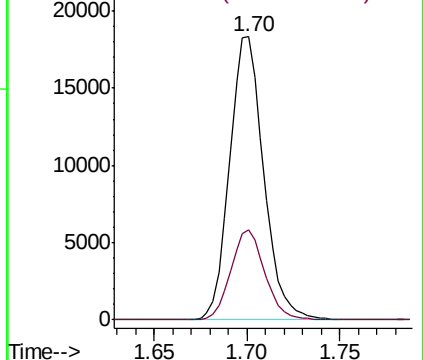
64 100

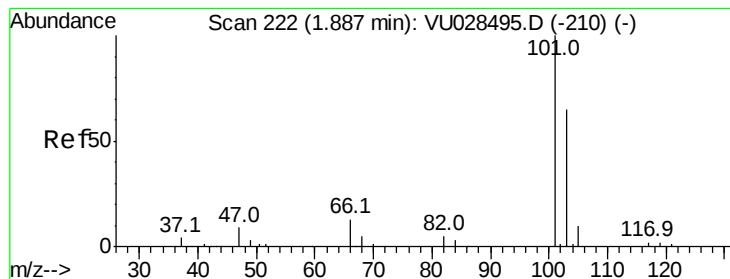
66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



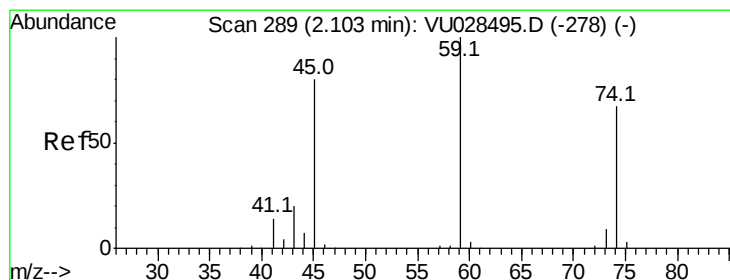
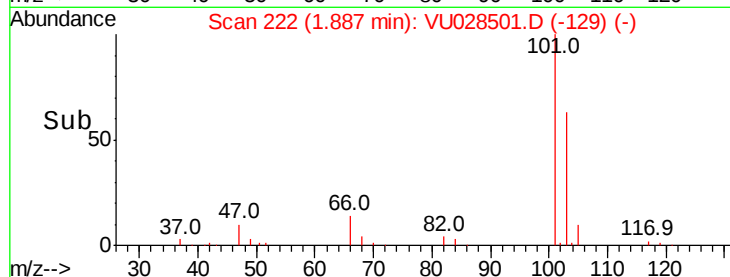
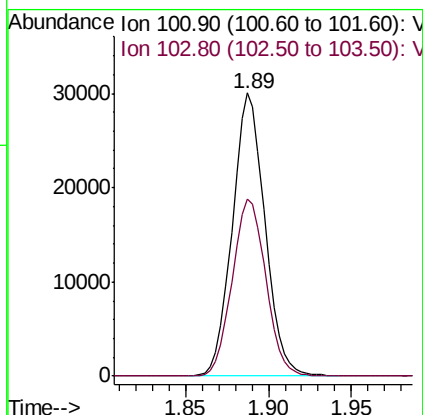
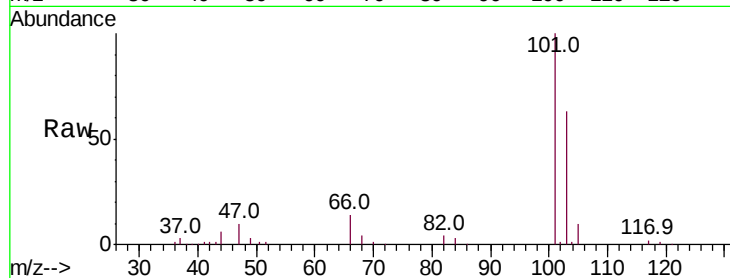


#7

Trichlorofluoromethane
 Concen: 19.731 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Instrument :
 MSVOA_U
 ClientSampleId :

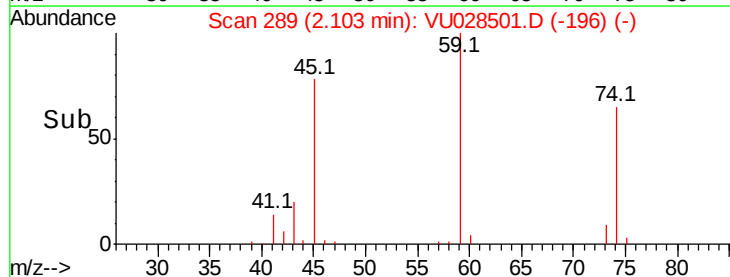
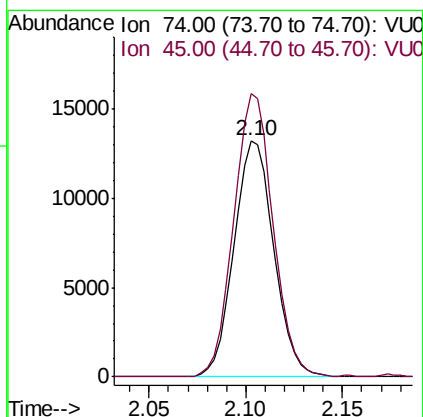
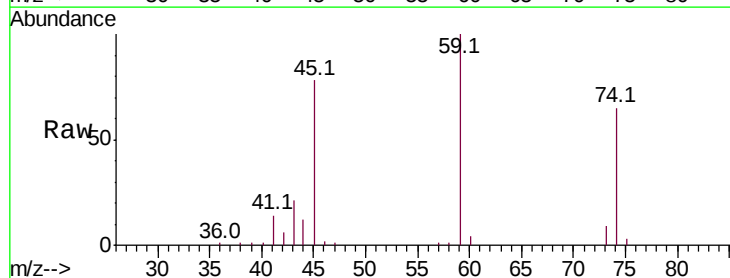
Tot Ion:101 Resp: 41024
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.3 78.5



#8

Diethyl Ether
 Concen: 19.474 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion: 74 Resp: 18944
 Ion Ratio Lower Upper
 74 100
 45 118.0 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.595 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

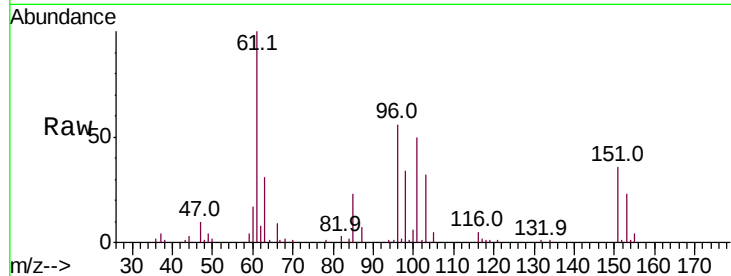
Tot Ion:101 Resp: 25610

Ion Ratio Lower Upper

101 100

85 45.0 36.4 54.6

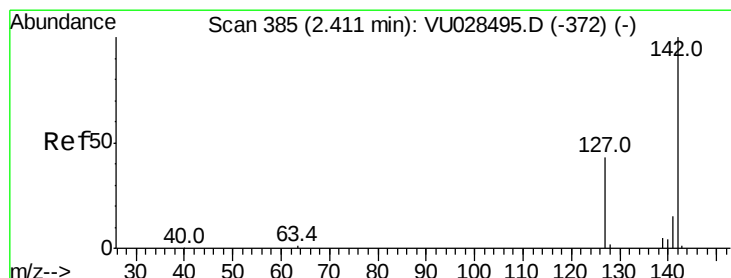
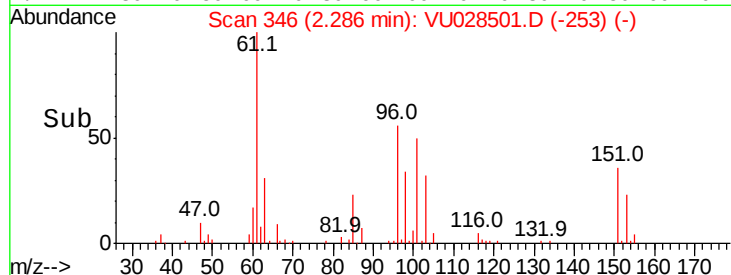
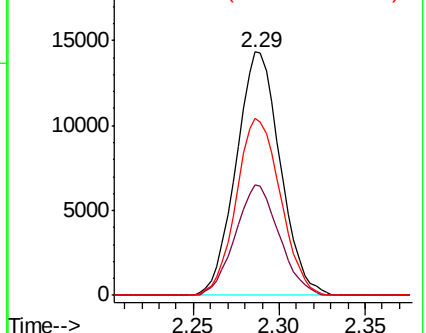
151 72.8 58.2 87.2



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: 21.237 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

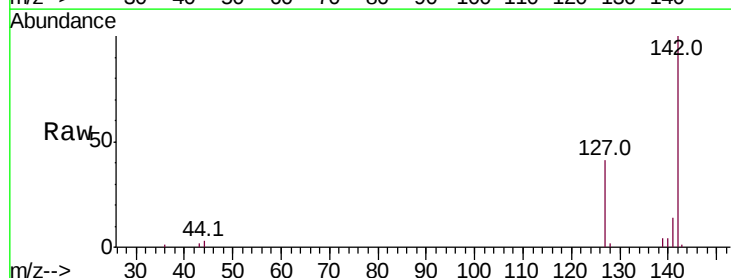
Tgt Ion:142 Resp: 20722

Ion Ratio Lower Upper

142 100

127 42.0 33.5 50.3

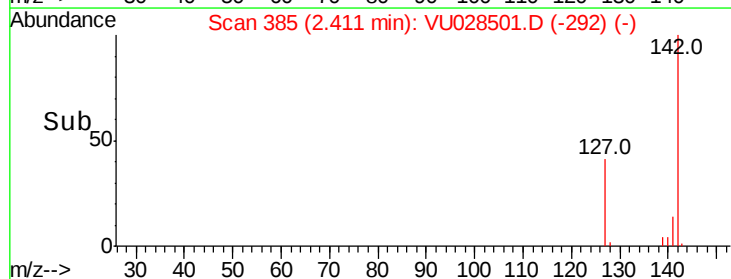
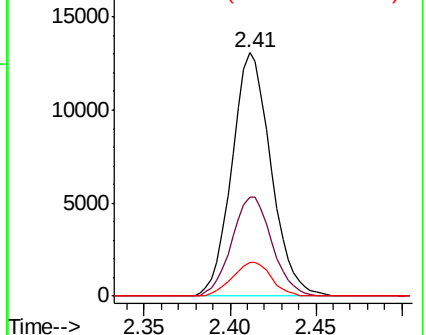
141 13.7 11.2 16.8



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



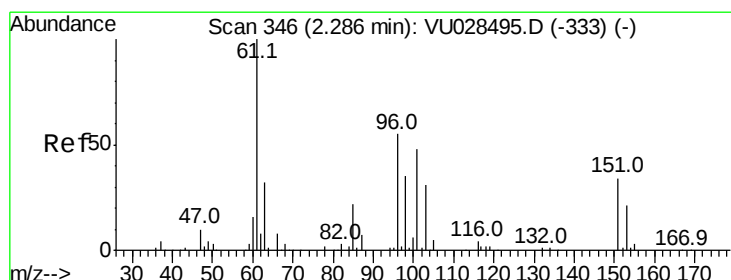
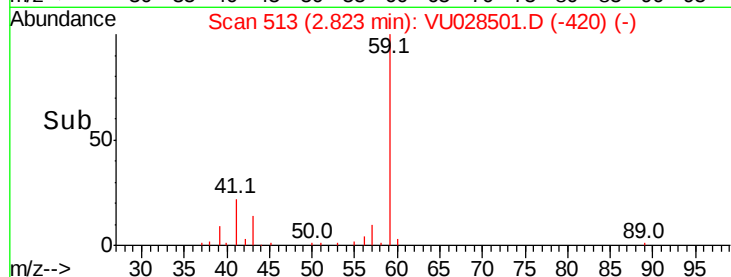
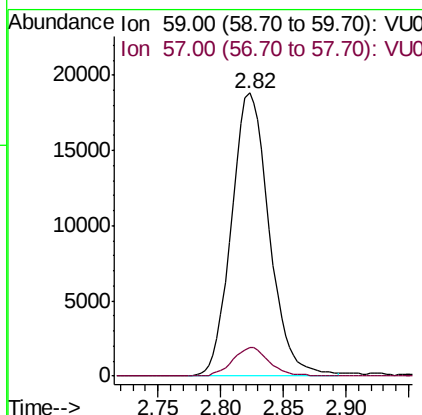
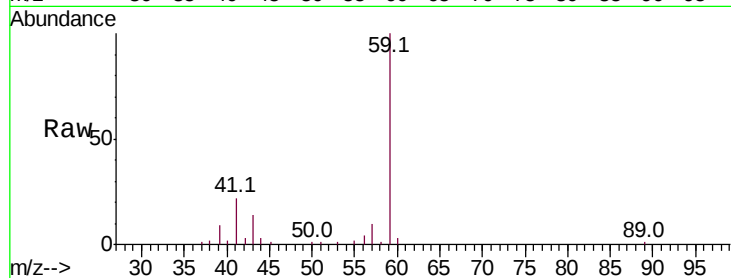


#11

Tert butyl alcohol
 Concen: 104.442 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Instrument :
 MSVOA_U
 ClientSampleId :

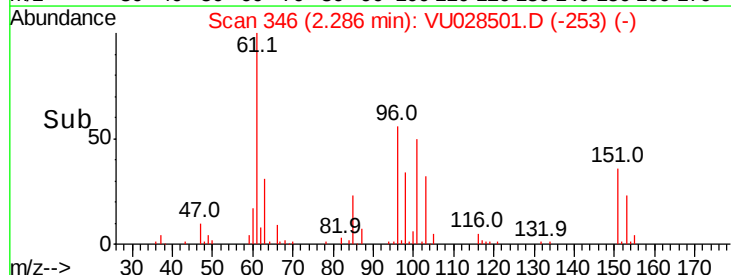
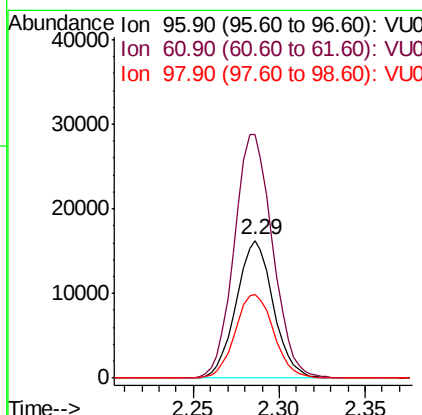
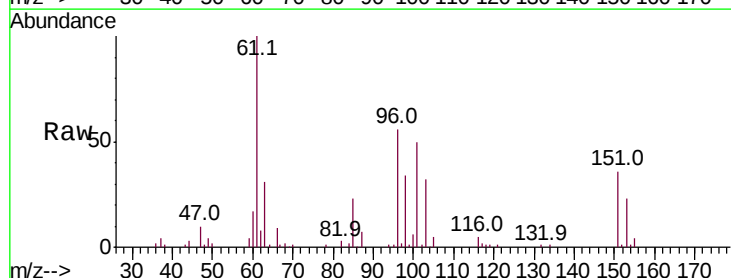
Tot Ion: 59 Resp: 39462
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

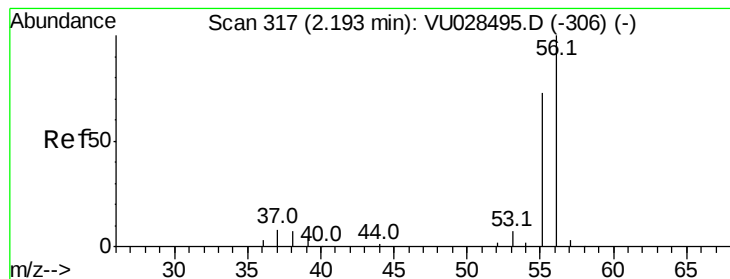


#12

1,1-Dichloroethene
 Concen: 19.693 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion: 96 Resp: 24366
 Ion Ratio Lower Upper
 96 100
 61 177.0 146.4 219.6
 98 60.9 51.8 77.8





#13

Acrolein

Concen: 98.274 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

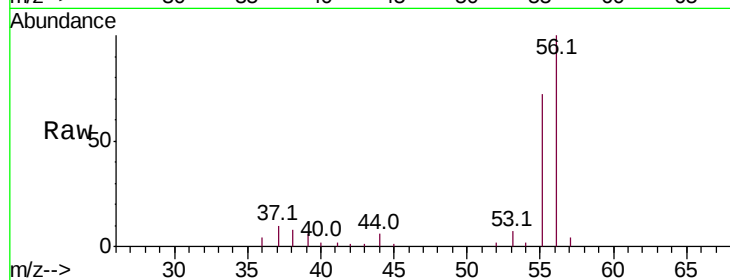
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 29601

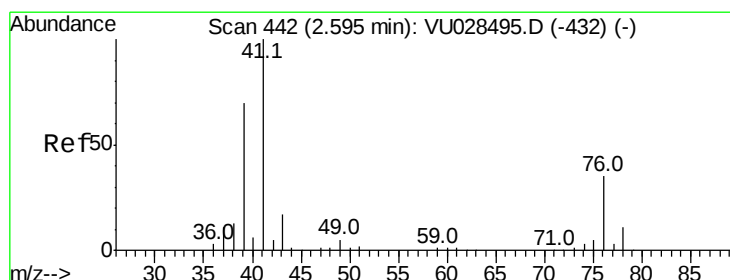
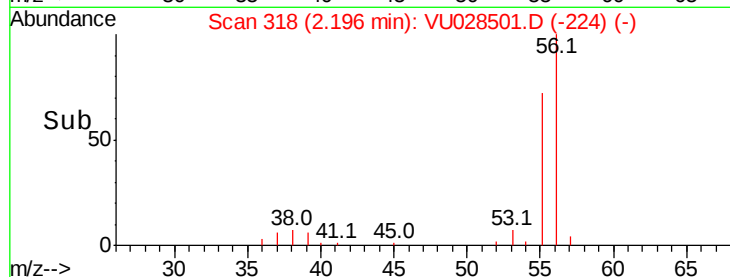
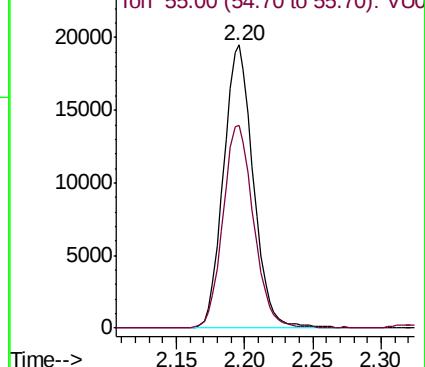
Ion Ratio Lower Upper

56 100

55 73.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU028501.D (-224) (-)



#14

Allyl chloride

Concen: 18.774 ug/l

RT: 2.59 min Scan# 442

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

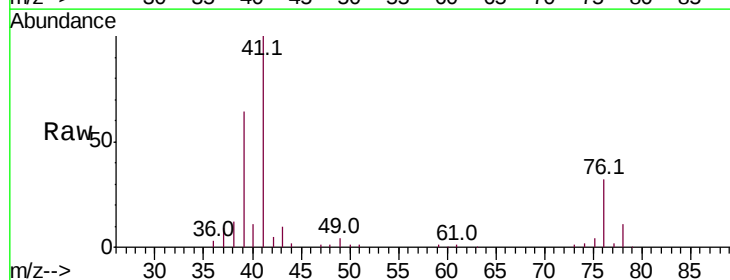
Tgt Ion: 41 Resp: 54952

Ion Ratio Lower Upper

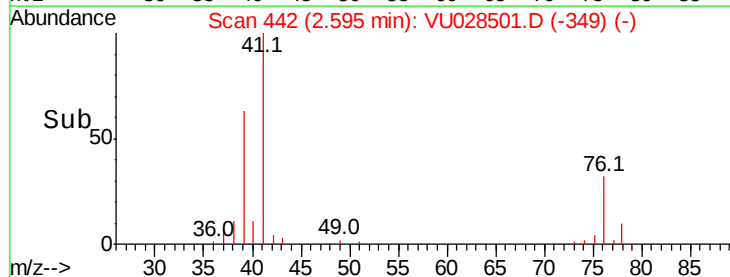
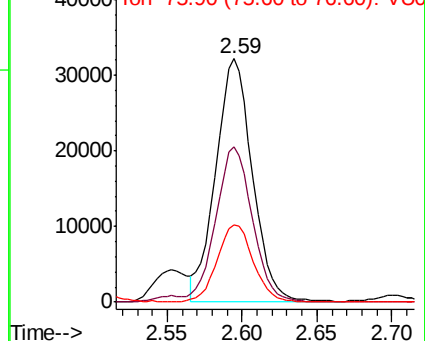
41 100

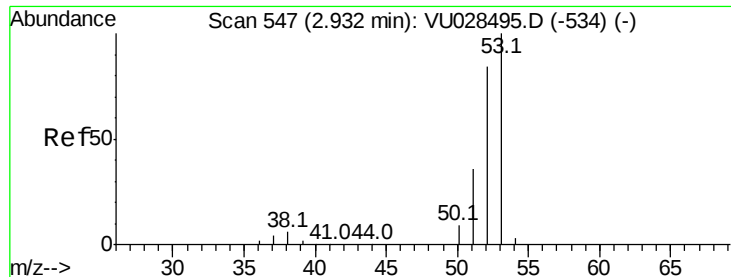
39 63.3 50.8 76.2

76 31.4 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU028501.D (-349) (-)





#15

Acrylonitrile

Concen: 99.744 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

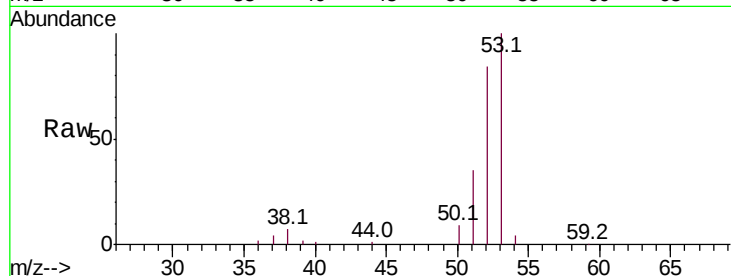
Tot Ion: 53 Resp: 104631

Ion Ratio Lower Upper

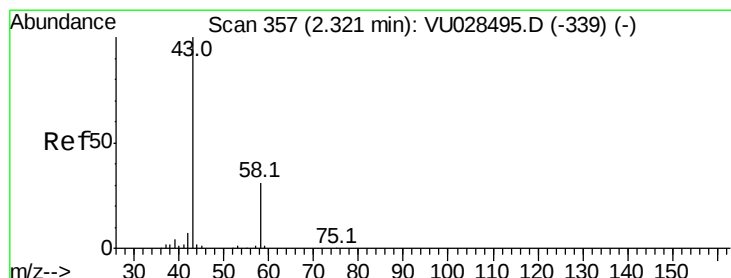
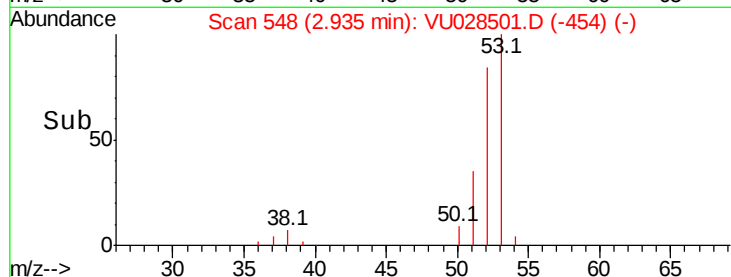
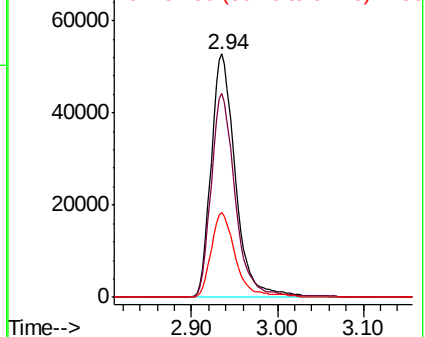
53 100

52 82.4 66.1 99.1

51 35.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 94.332 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028501.D

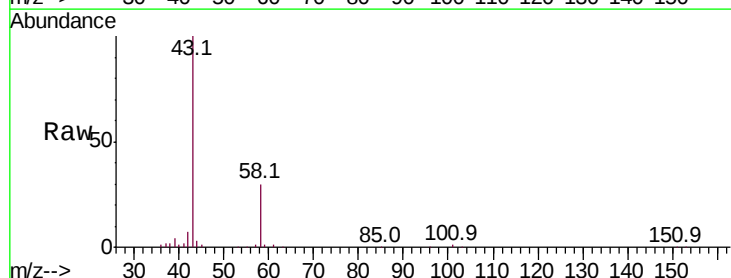
Acq: 06 Dec 2018 15:26

Tgt Ion: 43 Resp: 104392

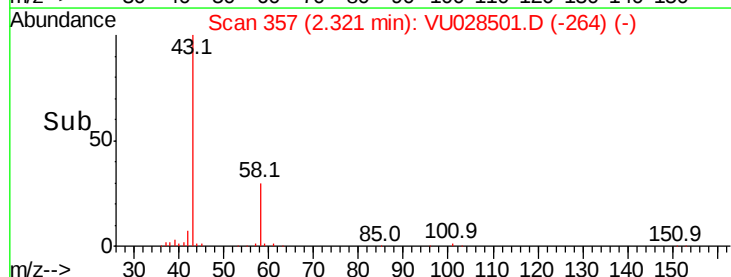
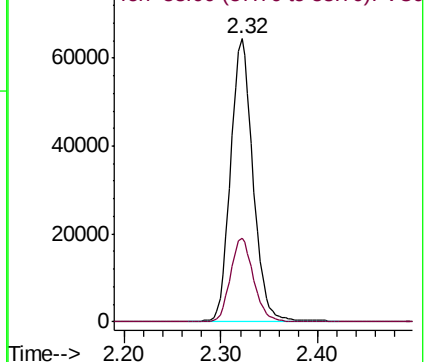
Ion Ratio Lower Upper

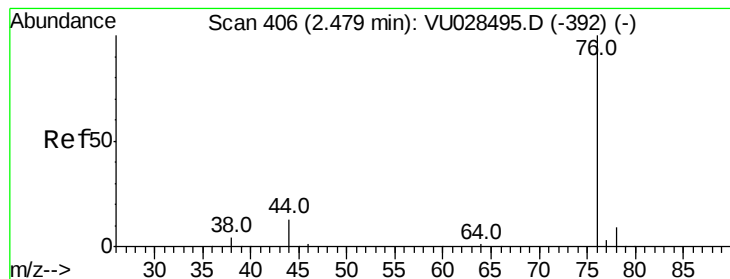
43 100

58 29.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 19.244 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

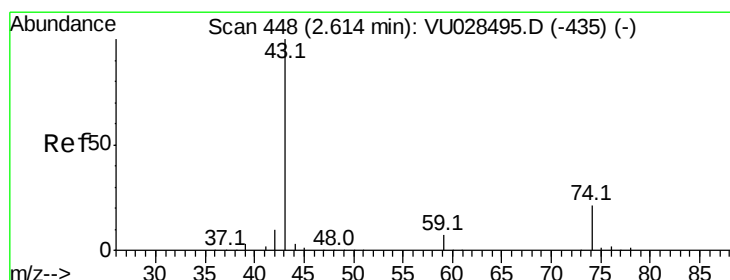
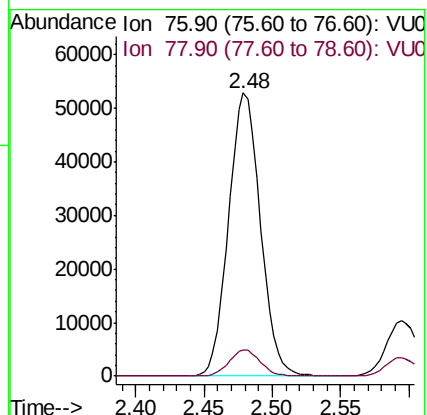
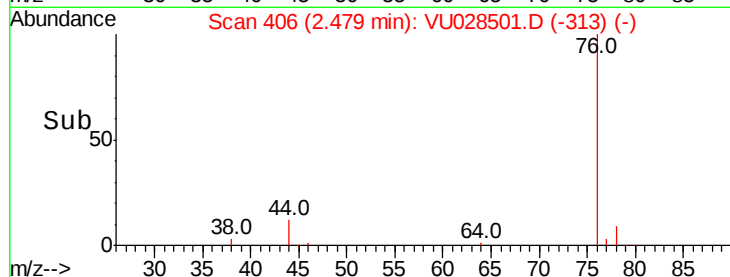
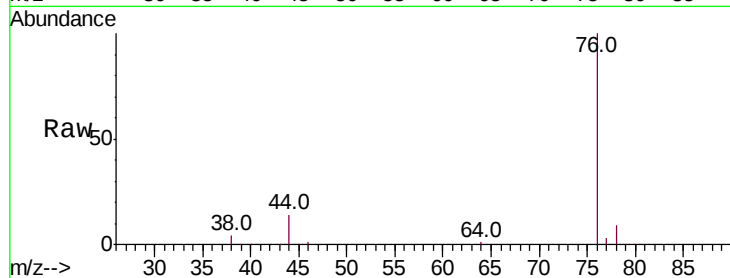
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 85778

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#18

Methyl Acetate

Concen: 19.839 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028501.D

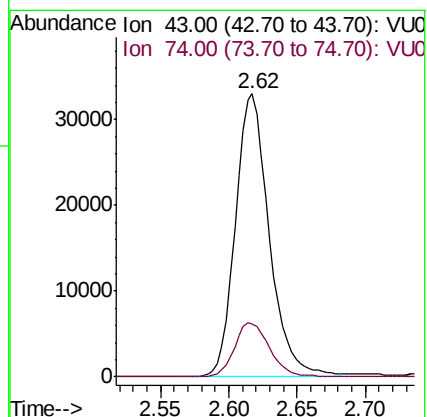
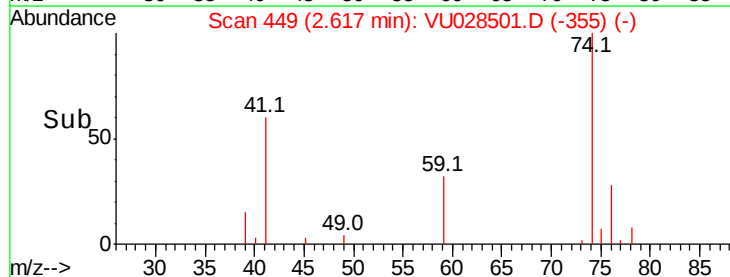
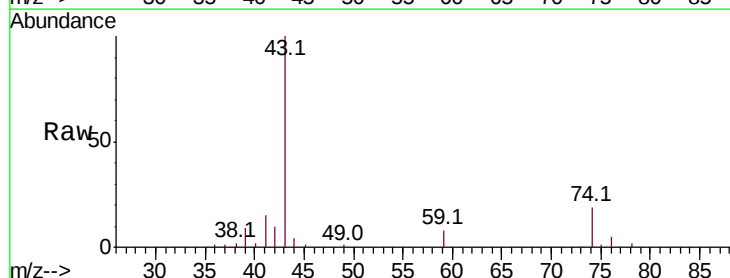
Acq: 06 Dec 2018 15:26

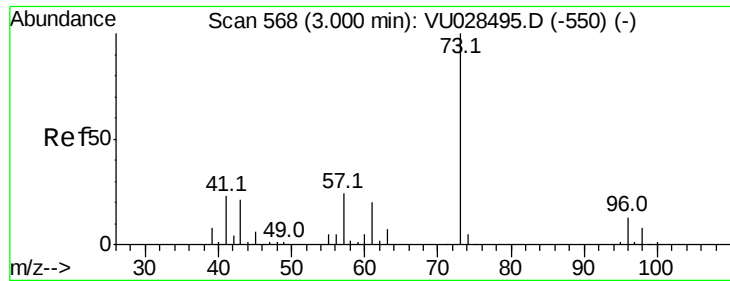
Tgt Ion: 43 Resp: 56912

Ion Ratio Lower Upper

43 100

74 19.9 16.4 24.6

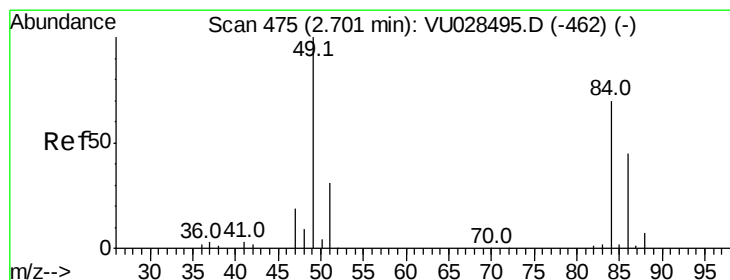
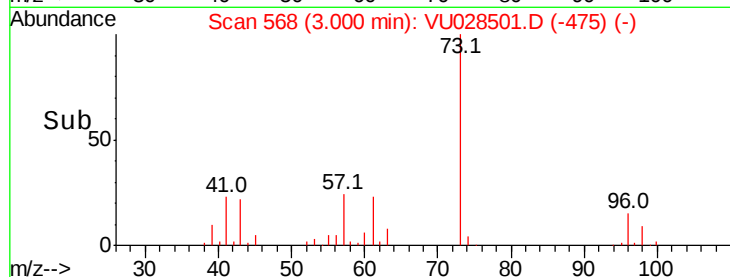
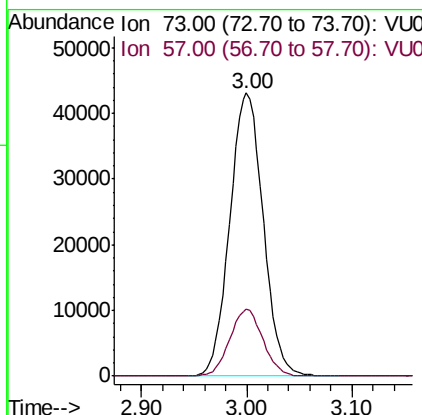
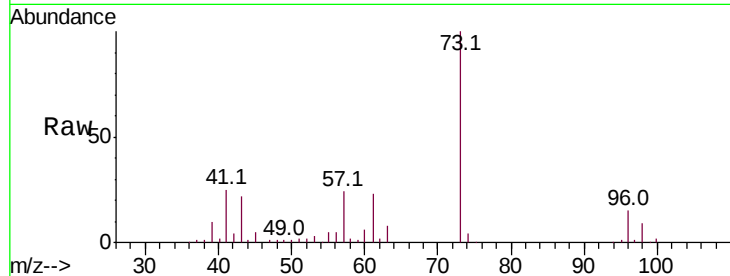




#19
Methyl tert-butyl Ether
Concen: 20.162 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

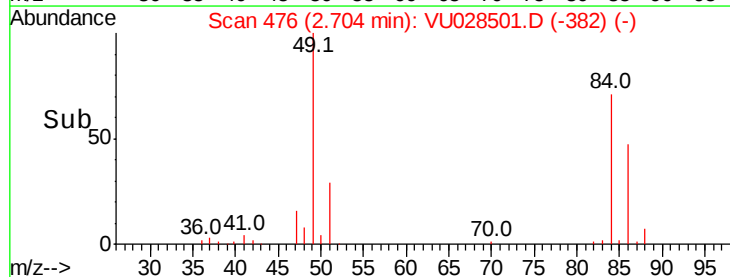
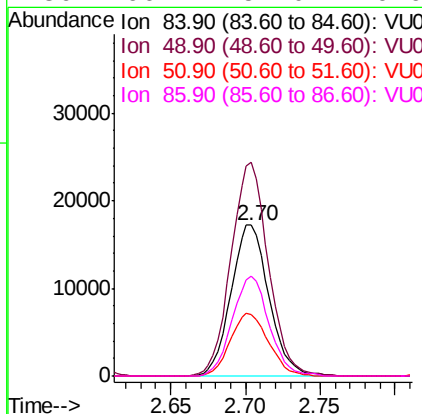
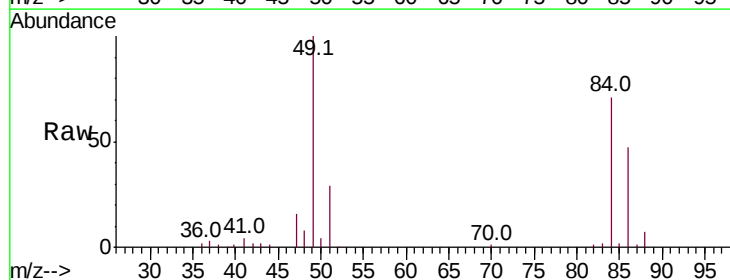
Instrument :
MSVOA_U
ClientSampled :

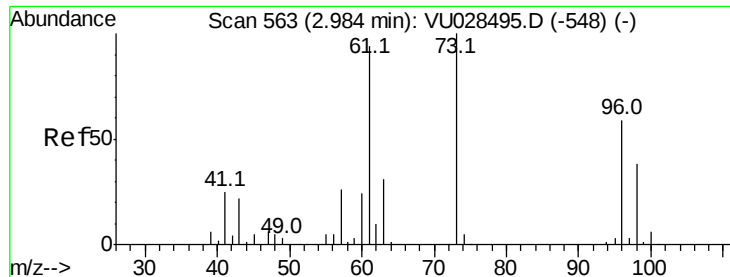
Tot Ion: 73 Resp: 94570
Ion Ratio Lower Upper
73 100
57 23.7 19.4 29.2



#20
Methylene Chloride
Concen: 18.682 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion: 84 Resp: 30477
Ion Ratio Lower Upper
84 100
49 141.6 114.0 171.0
51 41.1 35.1 52.7
86 66.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.734 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

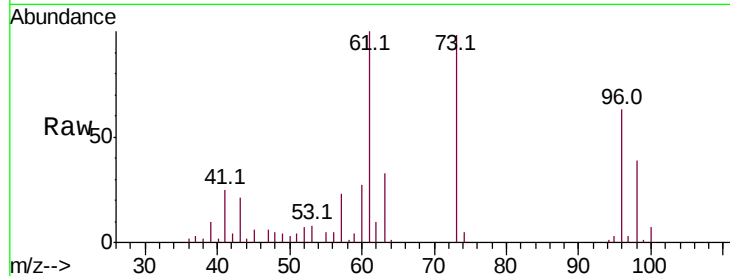
Tot Ion: 96 Resp: 27491

Ion Ratio Lower Upper

96 100

61 160.0 127.0 190.4

98 61.7 51.9 77.9

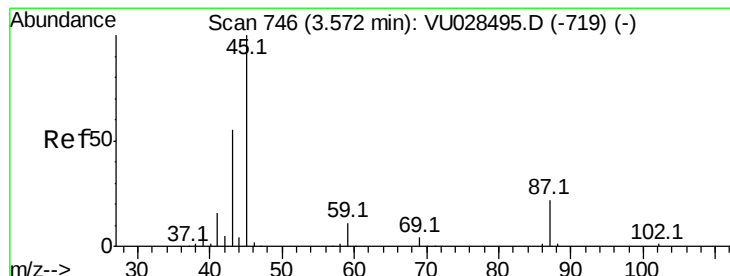
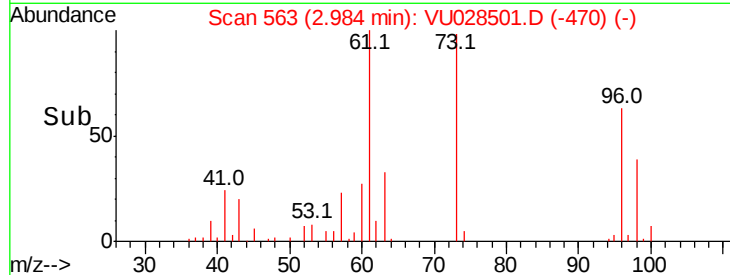
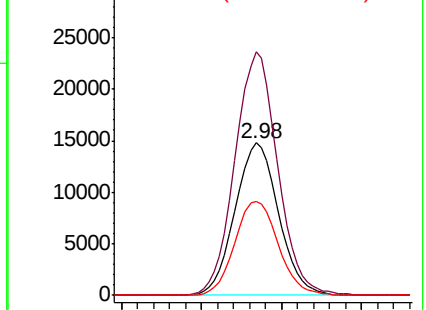


Abundance

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: 19.985 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Tgt Ion: 45 Resp: 113756

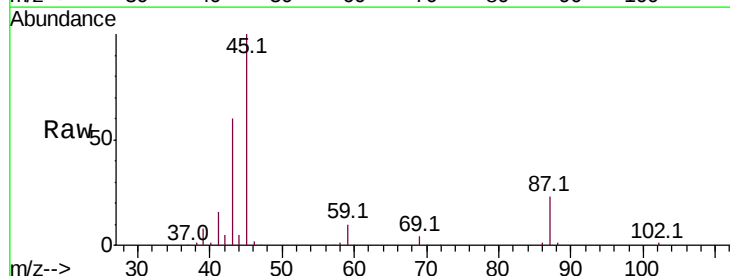
Ion Ratio Lower Upper

45 100

43 58.1 45.3 67.9

87 22.5 17.6 26.4

59 10.4 8.8 13.2



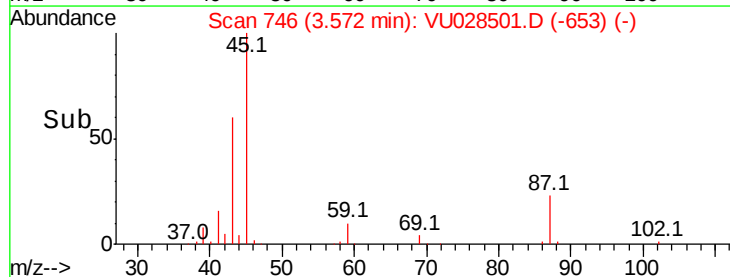
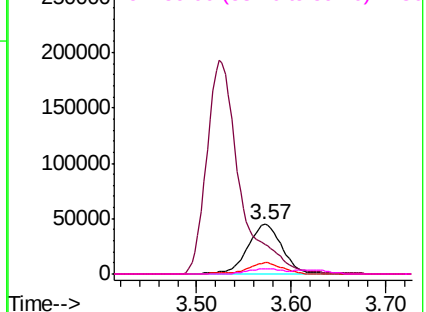
Abundance

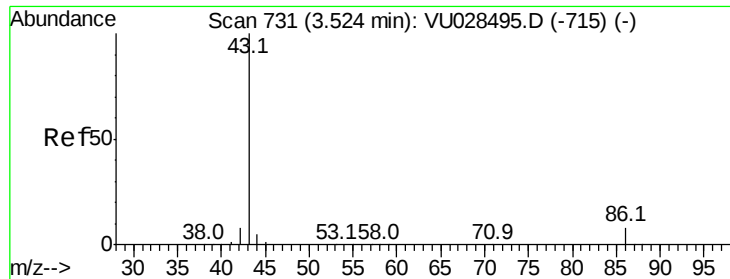
Ion 45.00 (44.70 to 45.70): VU0

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: 100.614 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

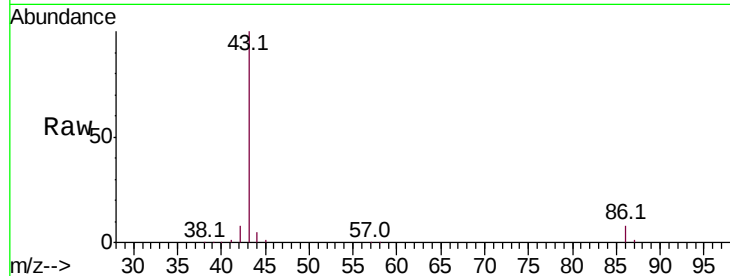
ClientSampleId :

Tot Ion: 43 Resp: 472385

Ion Ratio Lower Upper

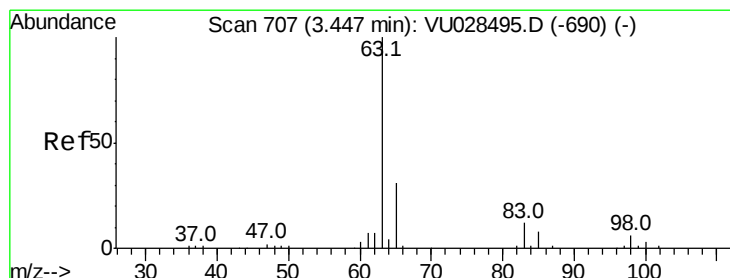
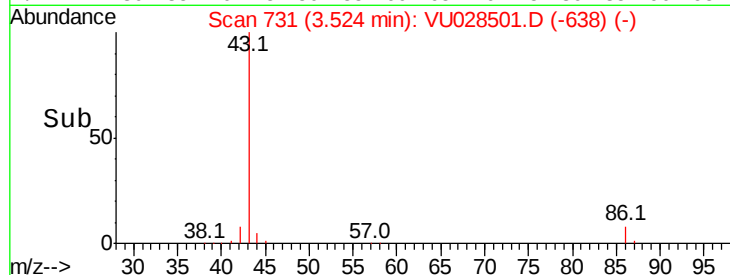
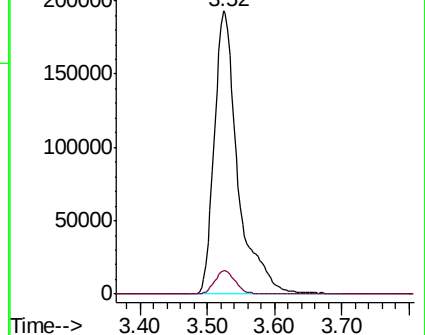
43 100

86 8.4 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028501.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028501.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 19.239 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

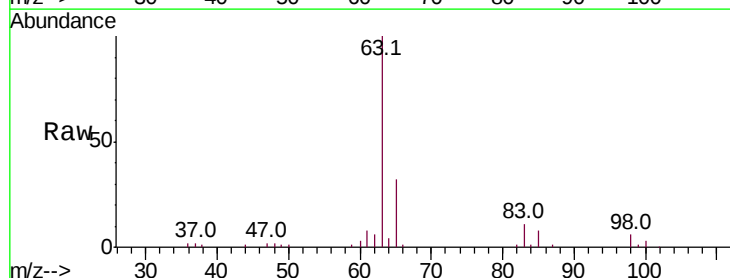
Tgt Ion: 63 Resp: 57323

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

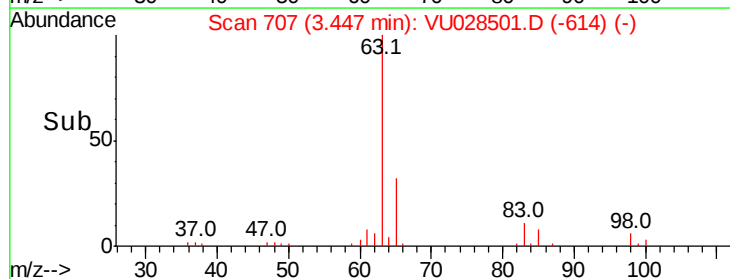
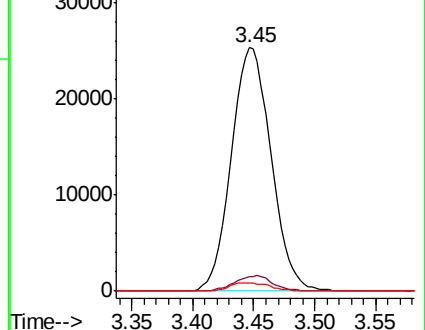
100 3.4 1.7 5.1

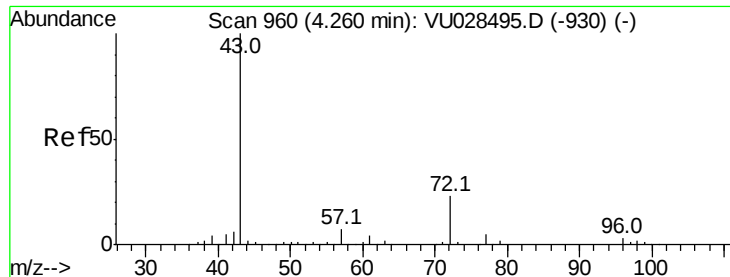


Abundance Ion 62.90 (62.60 to 63.60): VU028501.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028501.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028501.D (-614) (-)





#25

2-Butanone

Concen: 99.750 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

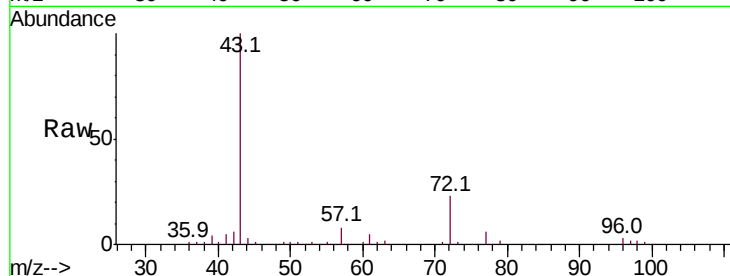
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 150856

Ion Ratio Lower Upper

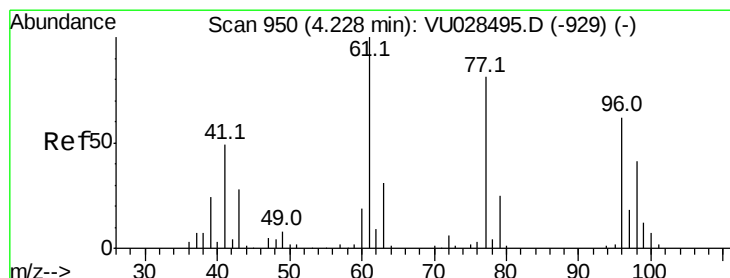
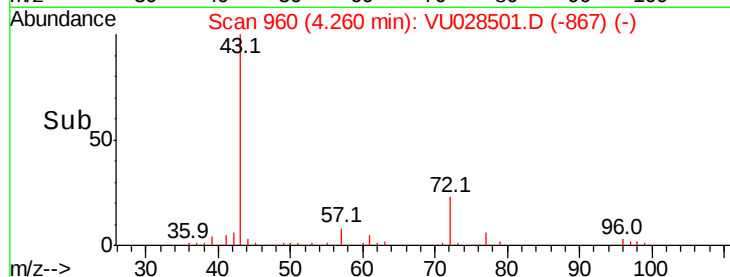
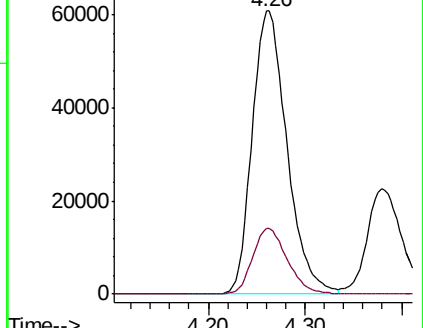
43 100

72 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)



#26

2,2-Dichloropropane

Concen: 19.306 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028501.D

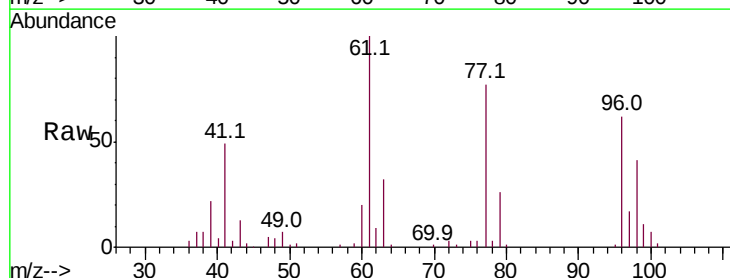
Acq: 06 Dec 2018 15:26

Tgt Ion: 77 Resp: 45579

Ion Ratio Lower Upper

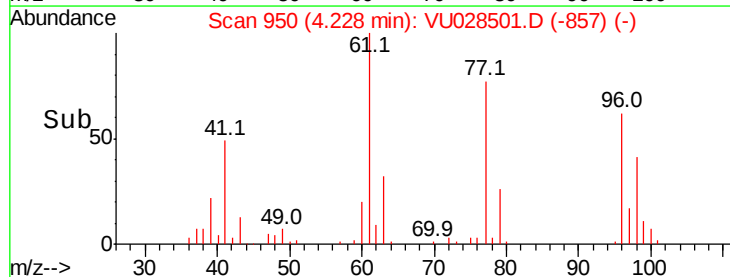
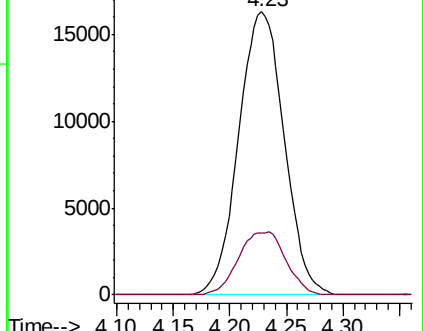
77 100

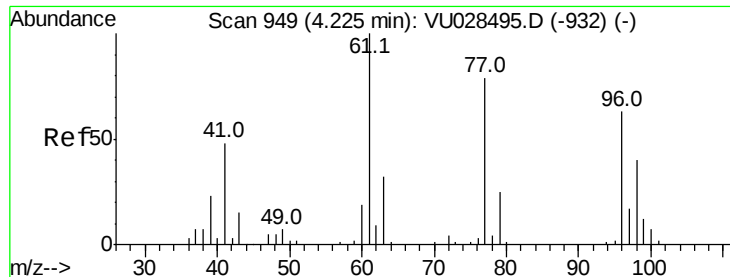
97 23.1 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028495.D (-929) (-)



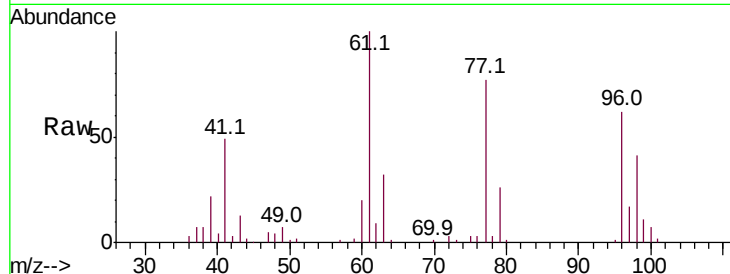


#27

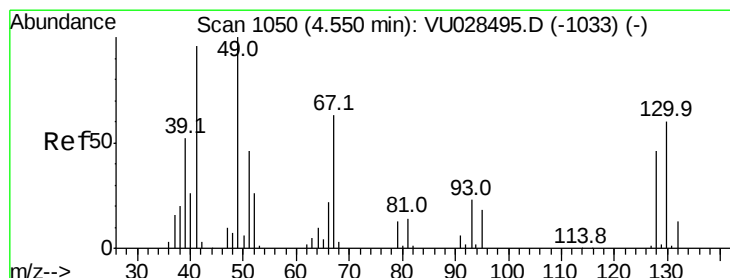
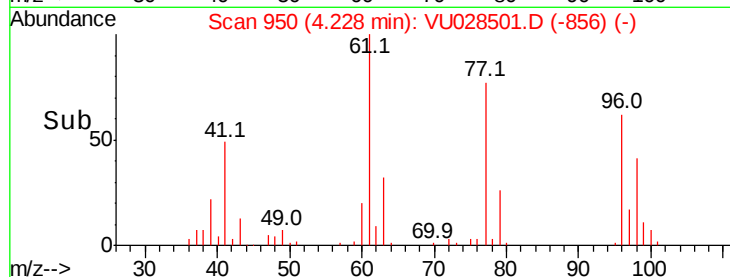
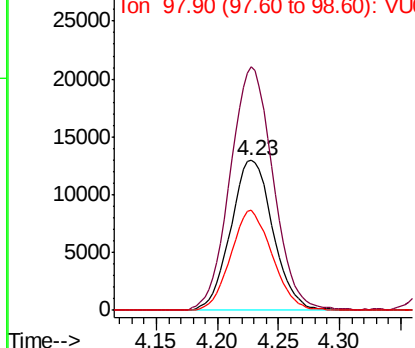
cis-1,2-Dichloroethene
 Concen: 19.716 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 31087
 Ion Ratio Lower Upper
 96 100
 61 165.6 0.0 332.4
 98 65.6 0.0 129.0



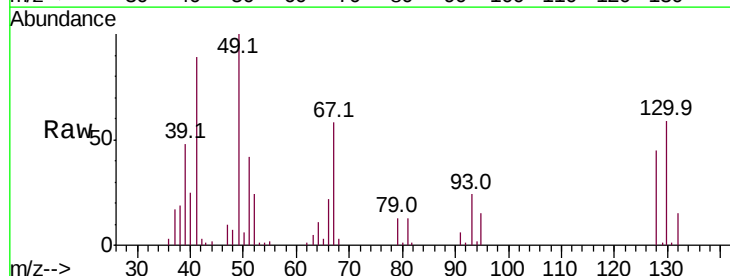
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



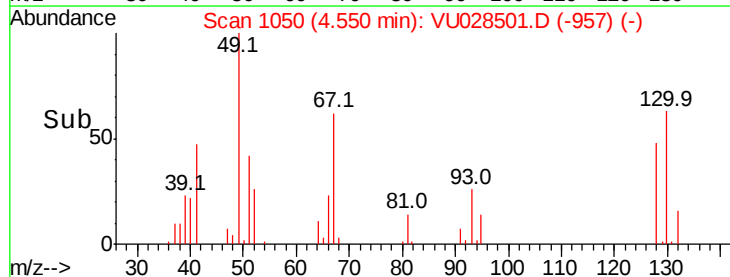
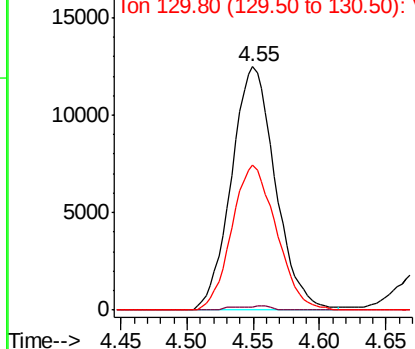
#28

Bromochloromethane
 Concen: 21.293 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion: 49 Resp: 28841
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.0
 130 60.2 47.8 71.8



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: 101.730 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampled :

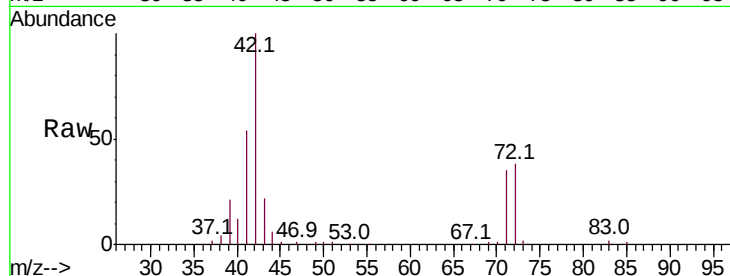
Tot Ion: 42 Resp: 98809

Ion Ratio Lower Upper

42 100

72 38.6 31.4 47.0

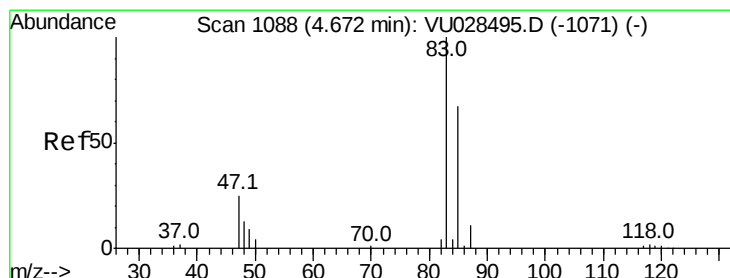
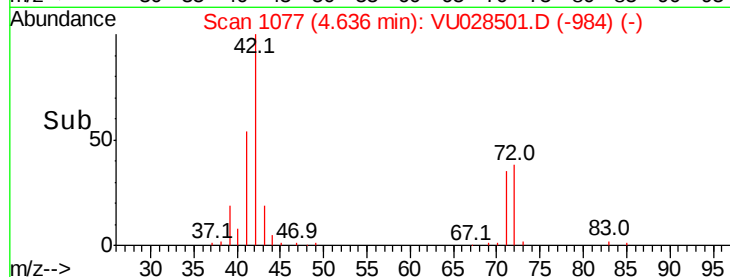
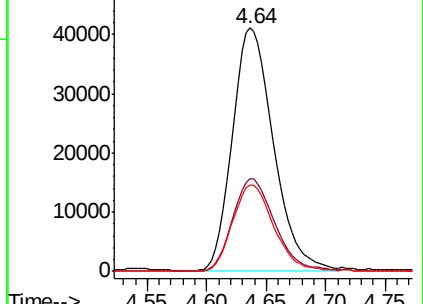
71 35.5 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU028495.D (-1060) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-1060) (-)

Ion 71.00 (70.70 to 71.70): VU028495.D (-1060) (-)



#30

Chloroform

Concen: 20.336 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028501.D

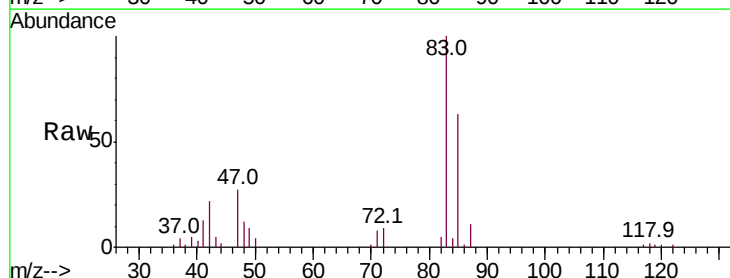
Acq: 06 Dec 2018 15:26

Tgt Ion: 83 Resp: 52809

Ion Ratio Lower Upper

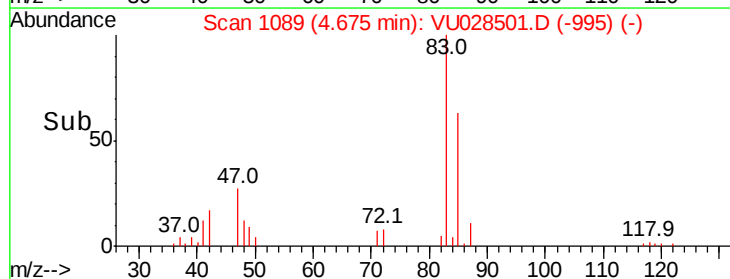
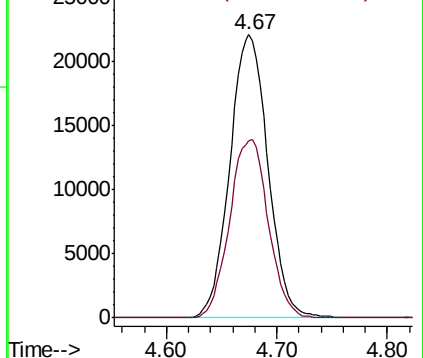
83 100

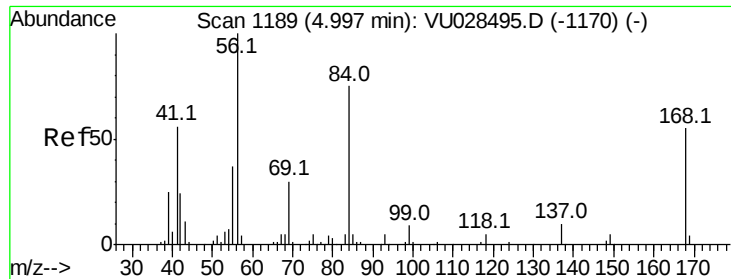
85 62.7 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1071) (-)





#31

Cyclohexane

Concen: 19.838 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampled :

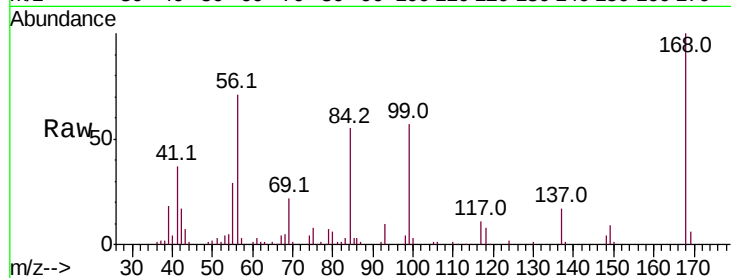
Tot Ion: 56 Resp: 59781

Ion Ratio Lower Upper

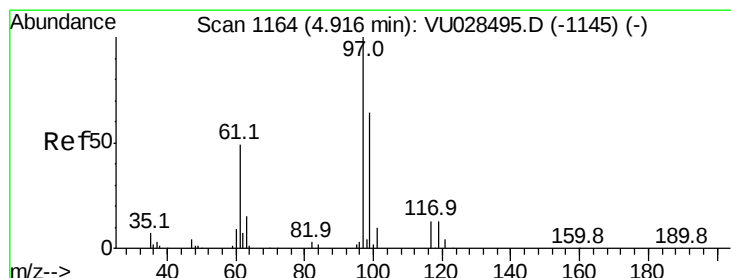
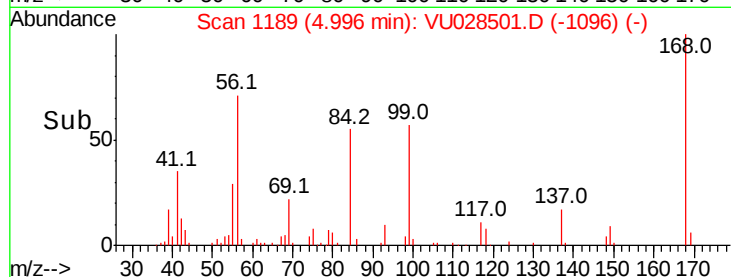
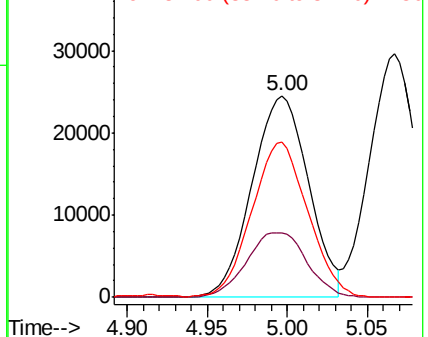
56 100

69 31.6 24.0 36.0

84 76.6 59.7 89.5



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: 19.809 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

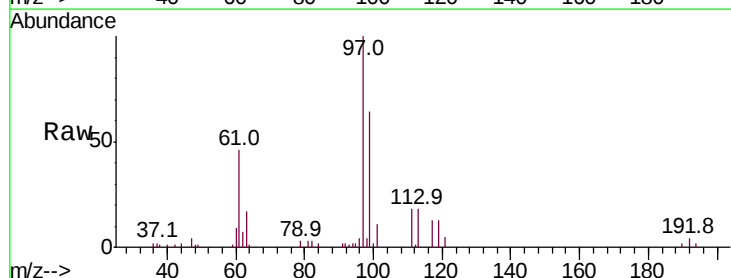
Tgt Ion: 97 Resp: 42724

Ion Ratio Lower Upper

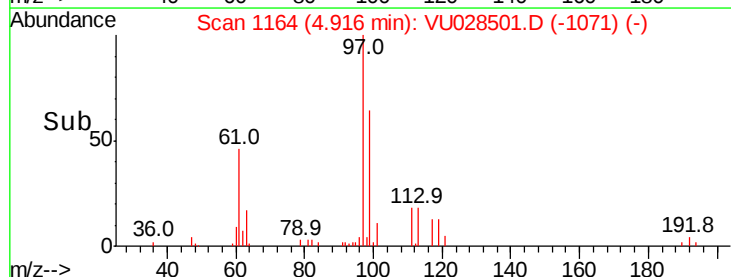
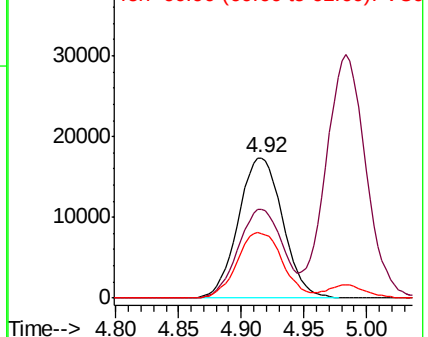
97 100

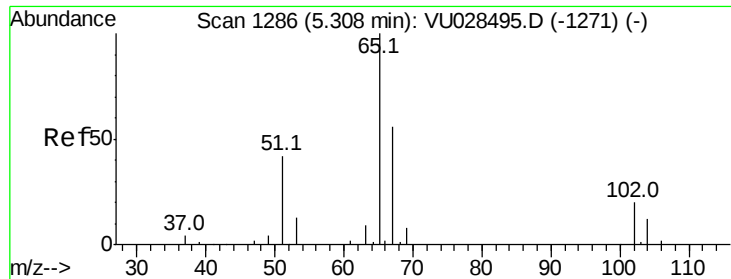
99 63.1 52.3 78.5

61 47.9 39.0 58.6



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

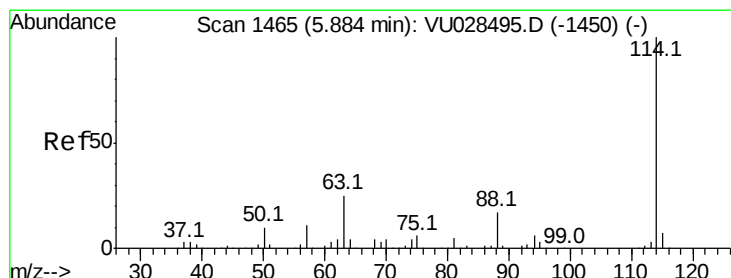
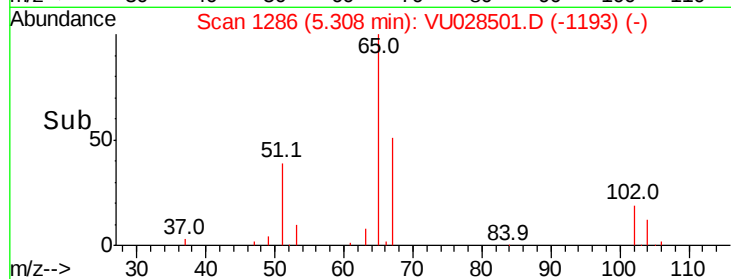
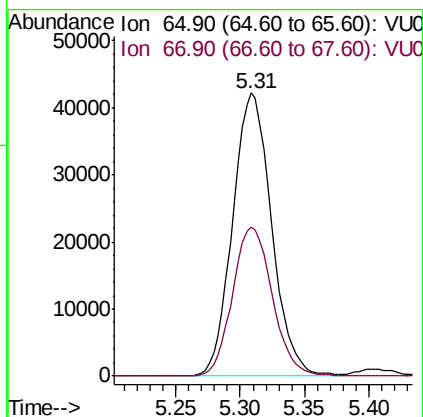
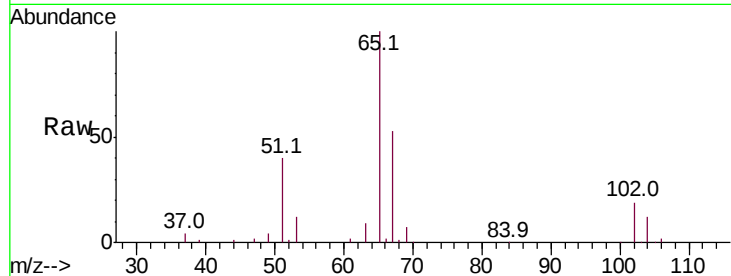




#33
 1,2-Dichloroethane-d4
 Concen: 52.291 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

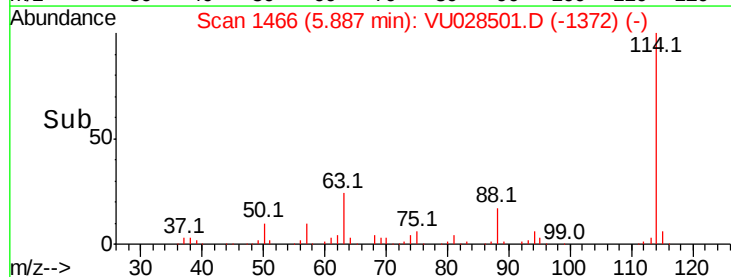
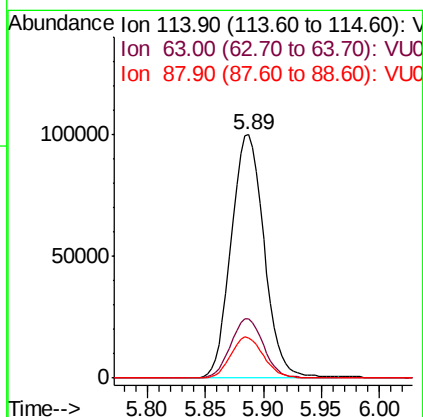
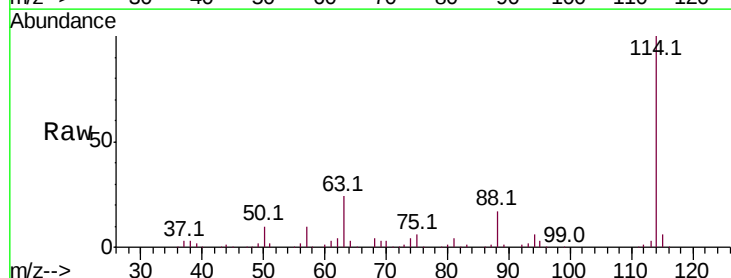
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 88679
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion: 114 Resp: 197575
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.398 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

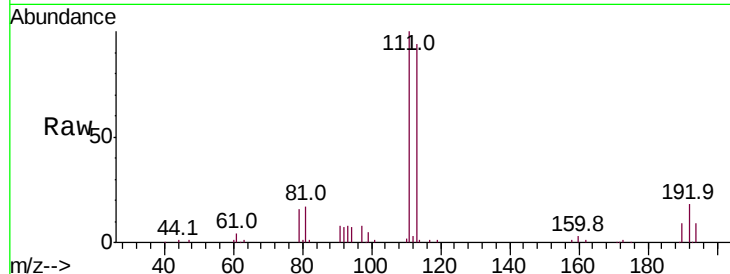
Tot Ion:113 Resp: 63906

Ion Ratio Lower Upper

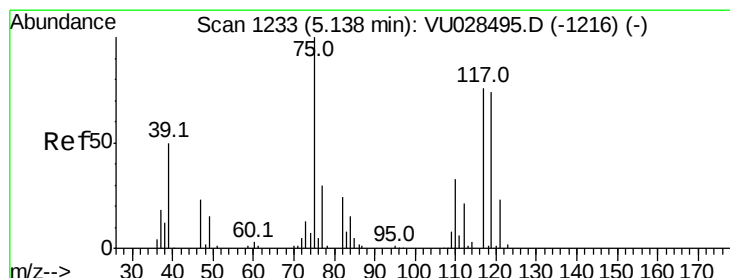
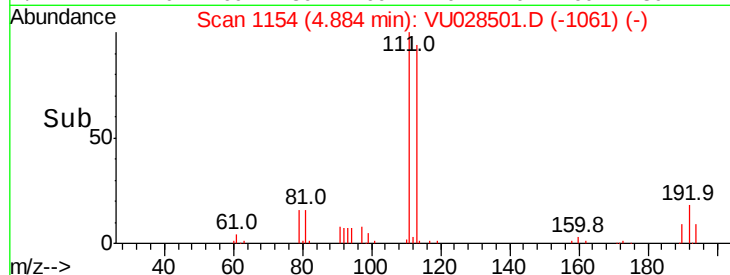
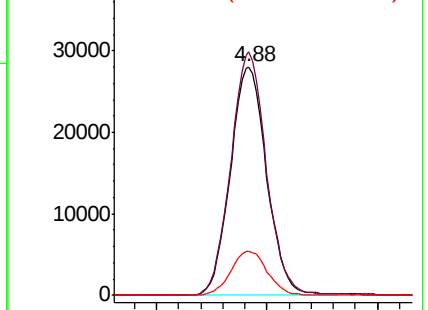
113 100

111 104.2 83.4 125.0

192 19.3 14.8 22.2



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: 19.263 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

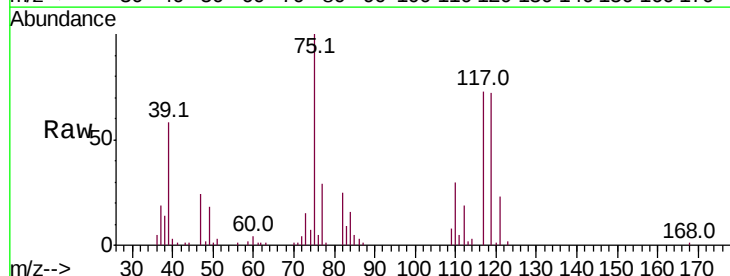
Tgt Ion: 75 Resp: 41647

Ion Ratio Lower Upper

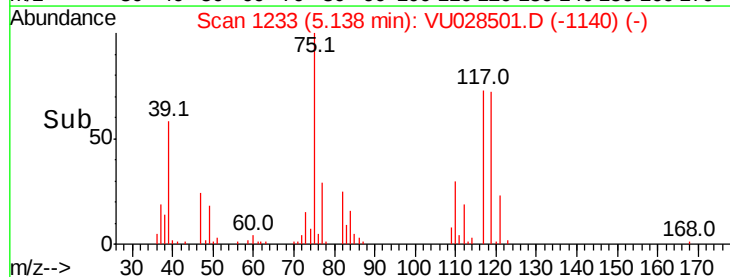
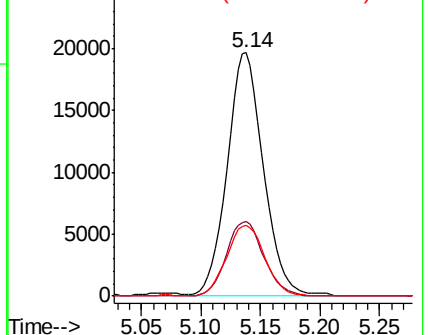
75 100

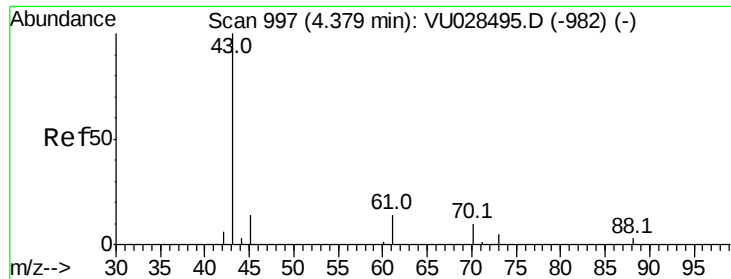
110 31.5 16.1 48.2

77 30.5 24.5 36.7



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: 20.080 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

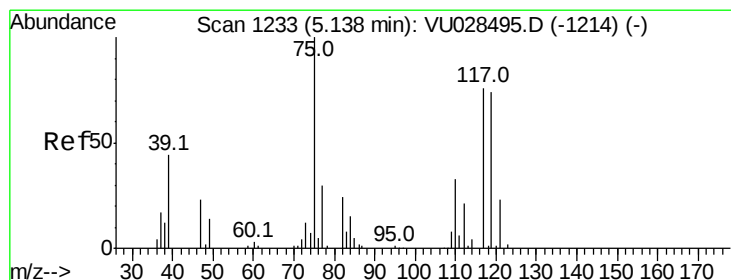
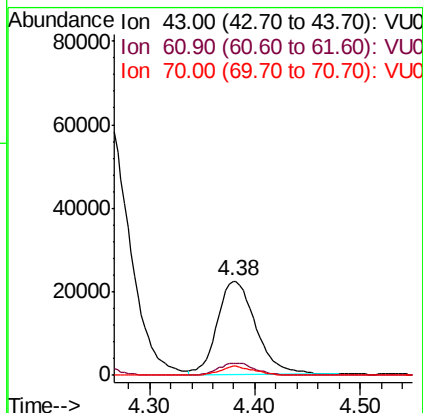
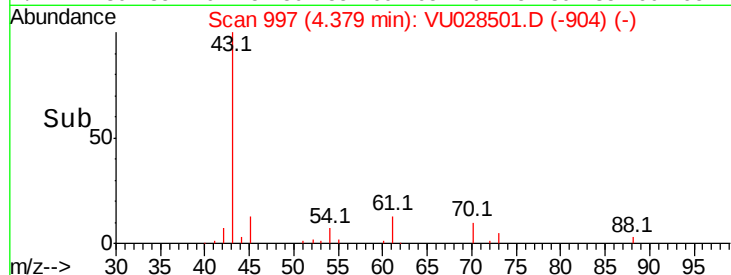
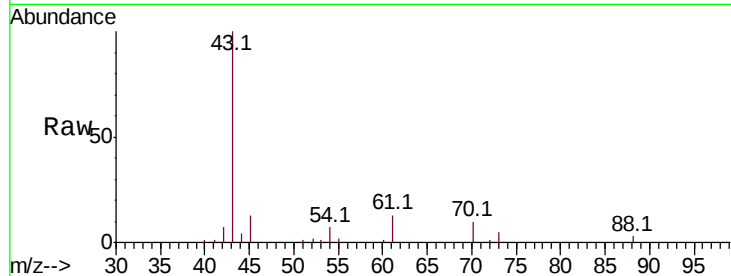
Tot Ion: 43 Resp: 56120

Ion Ratio Lower Upper

43 100

61 12.9 11.0 16.4

70 8.8 7.4 11.0



#38

Carbon Tetrachloride

Concen: 19.238 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

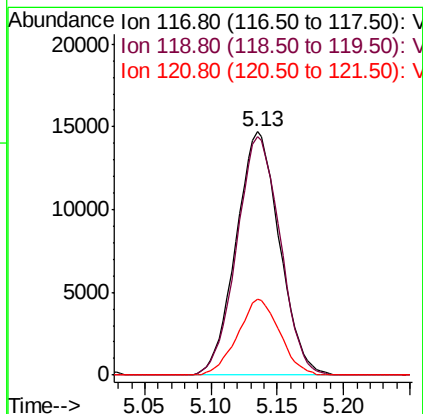
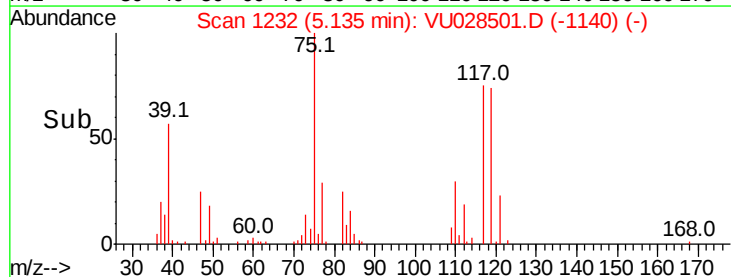
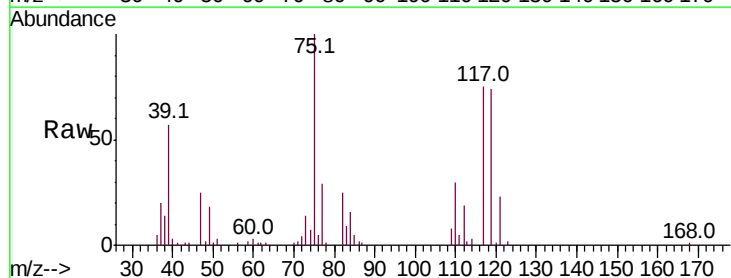
Tgt Ion: 117 Resp: 33525

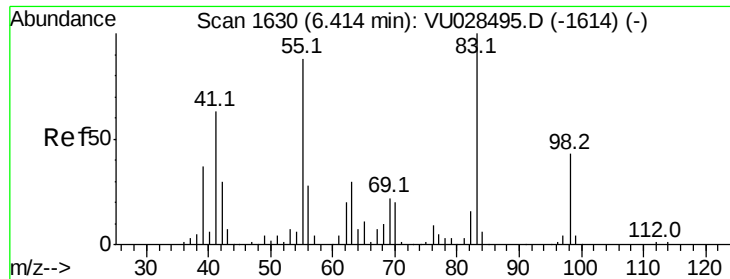
Ion Ratio Lower Upper

117 100

119 98.2 77.6 116.4

121 31.1 24.6 36.8

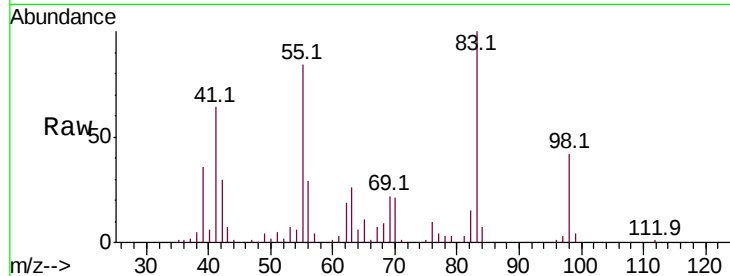




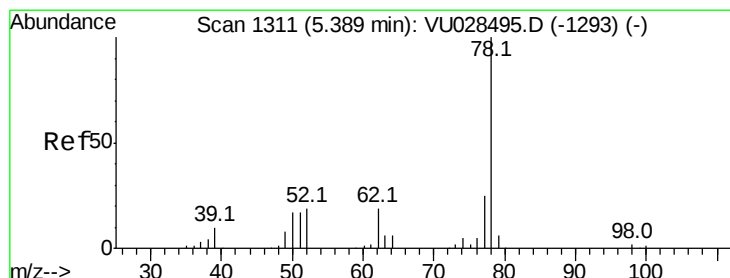
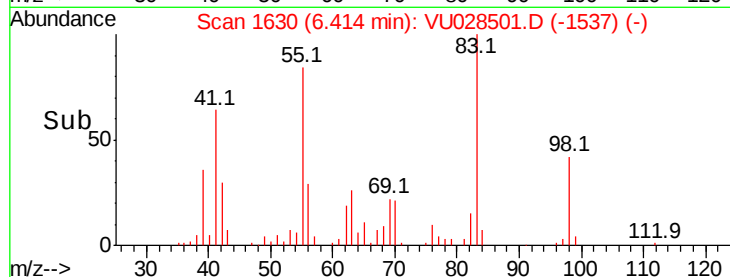
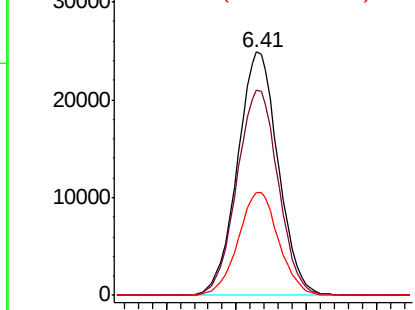
#39
Methvlcvclohexane
Concen: 19.064 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 50284
Ion Ratio Lower Upper
83 100
55 84.5 70.2 105.2
98 42.1 34.2 51.4

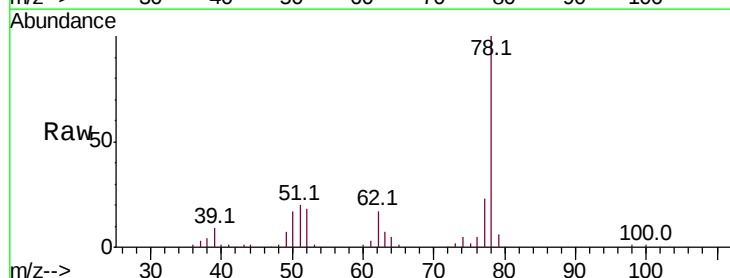


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

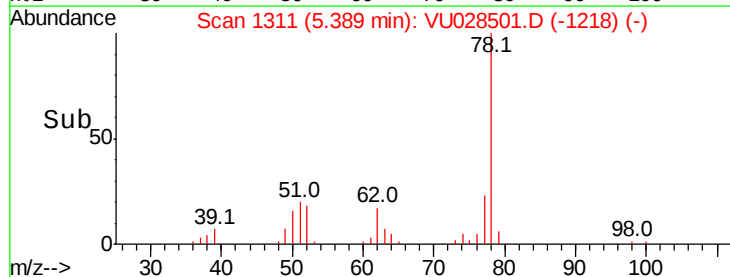
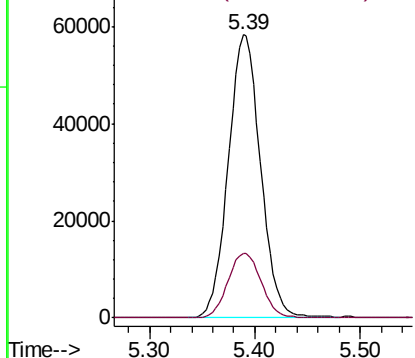


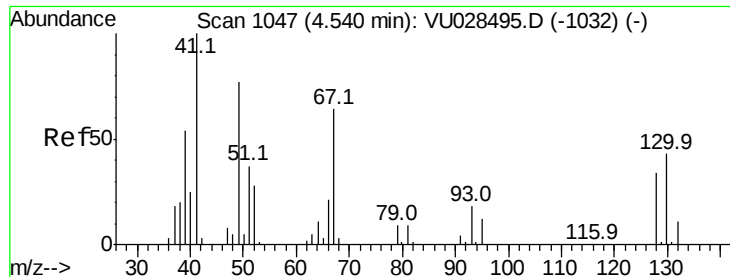
#40
Benzene
Concen: 19.391 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion: 78 Resp: 123475
Ion Ratio Lower Upper
78 100
77 22.8 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 19.988 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 30594

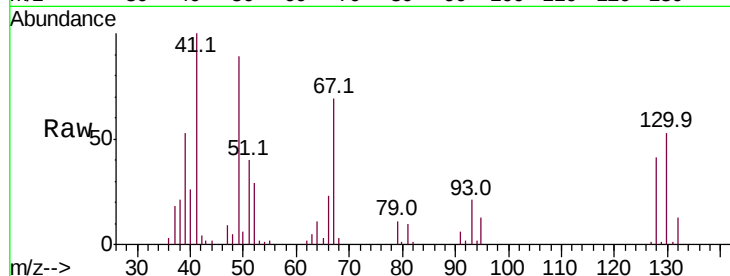
Ion Ratio Lower Upper

41 100

39 54.1 43.3 64.9

67 65.9 53.6 80.4

52 27.4 22.1 33.1

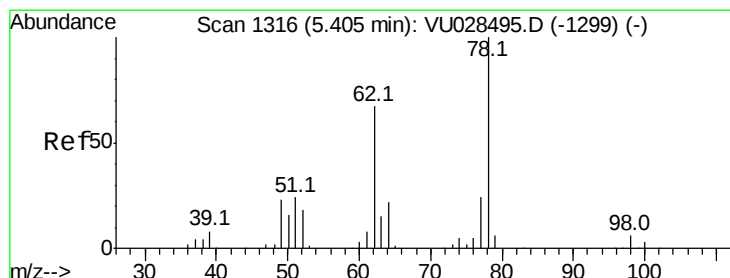
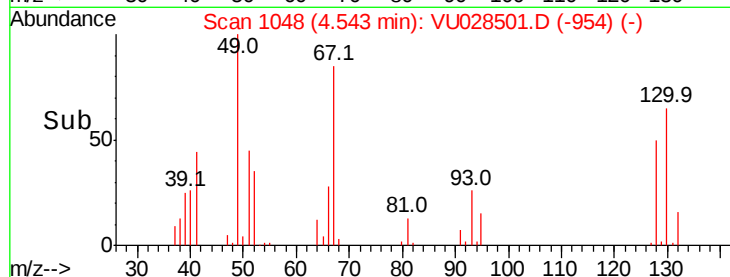
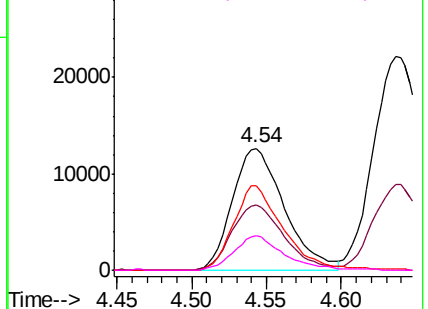


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 19.230 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028501.D

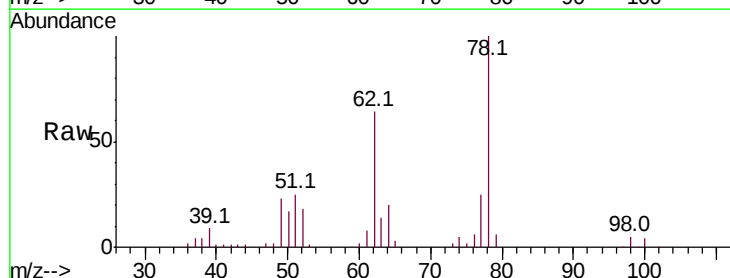
Acq: 06 Dec 2018 15:26

Tgt Ion: 62 Resp: 42862

Ion Ratio Lower Upper

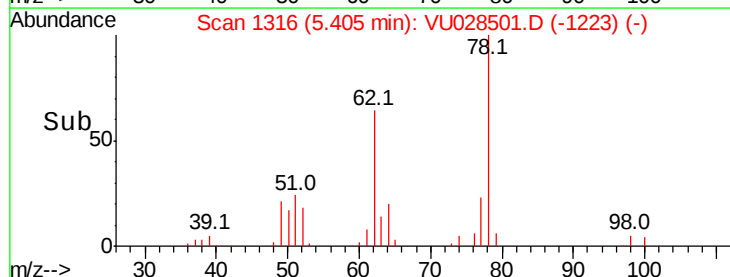
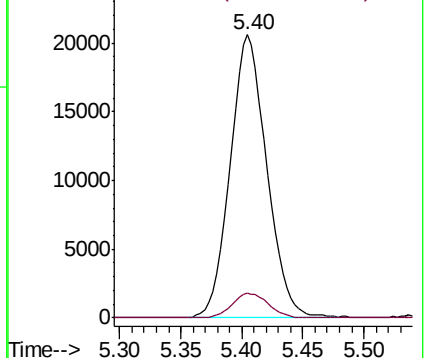
62 100

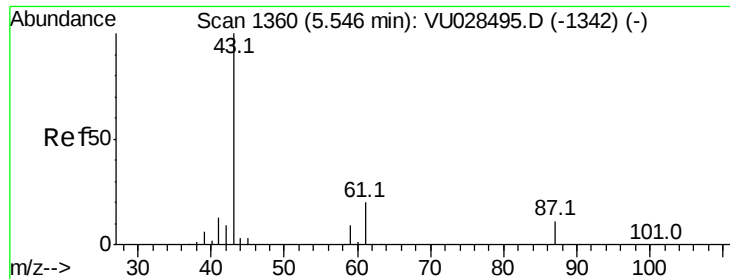
98 8.5 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.733 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampled :

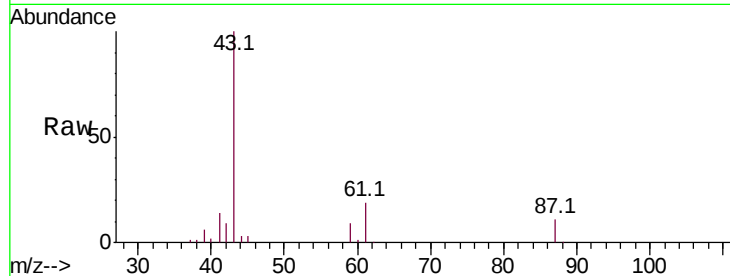
Tot Ion: 43 Resp: 87234

Ion Ratio Lower Upper

43 100

61 18.8 15.5 23.3

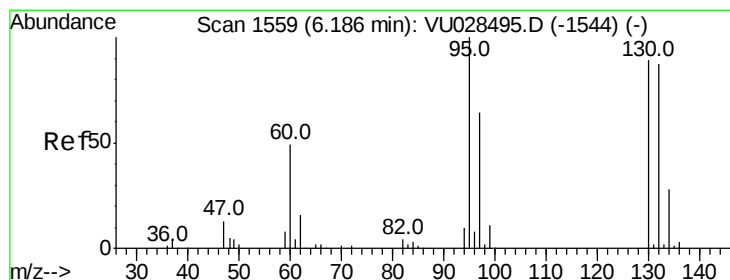
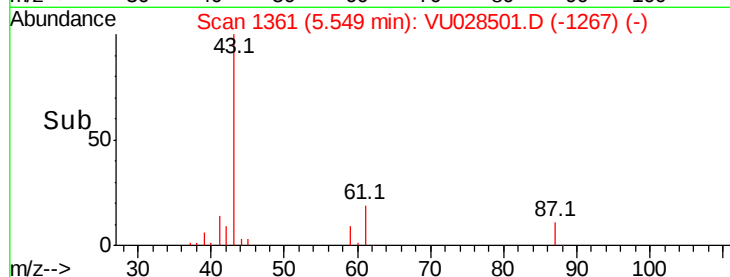
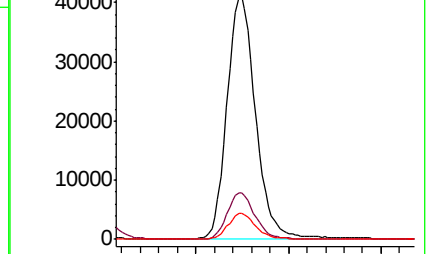
87 10.5 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 19.586 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028501.D

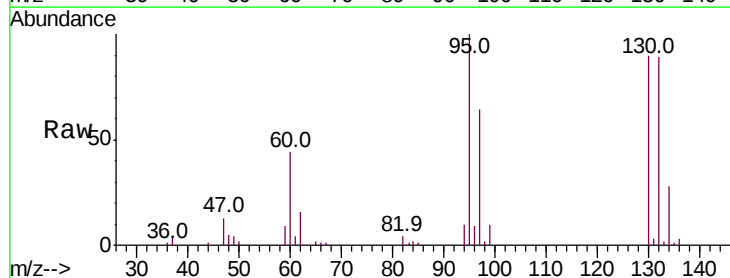
Acq: 06 Dec 2018 15:26

Tgt Ion:130 Resp: 27730

Ion Ratio Lower Upper

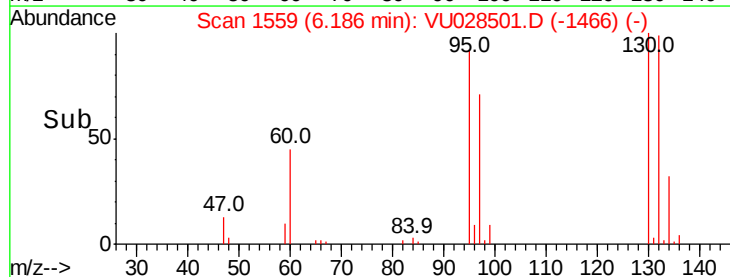
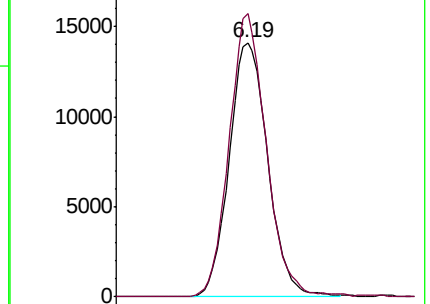
130 100

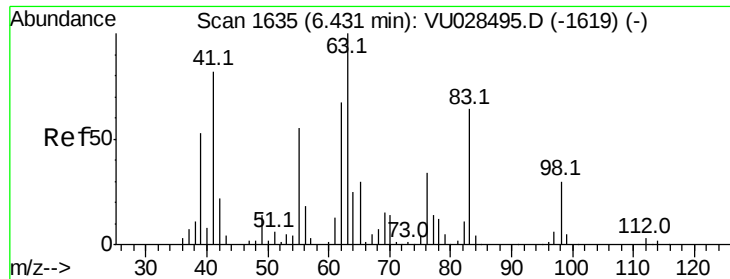
95 111.3 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 19.687 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

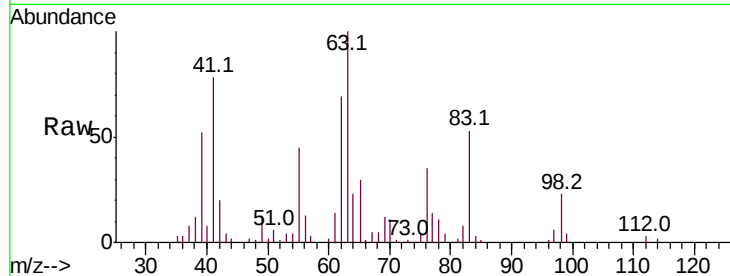
ClientSampled :

Tot Ion: 63 Resp: 35253

Ion Ratio Lower Upper

63 100

65 29.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

20000

15000

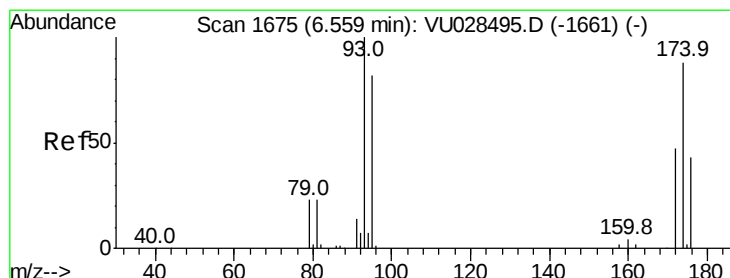
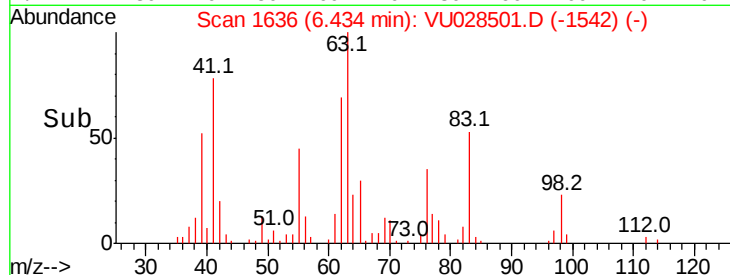
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 19.606 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

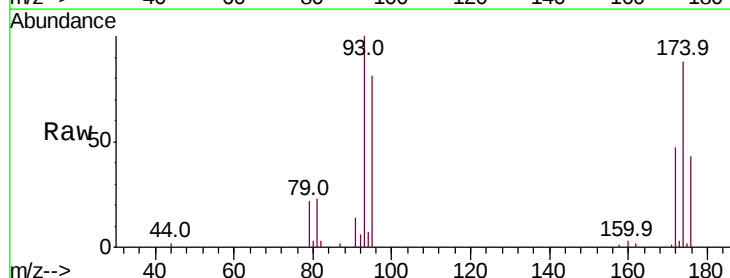
Tgt Ion: 93 Resp: 20830

Ion Ratio Lower Upper

93 100

95 82.0 65.4 98.2

174 90.1 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

15000

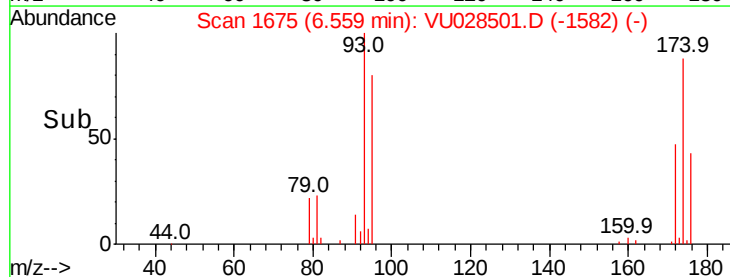
10000

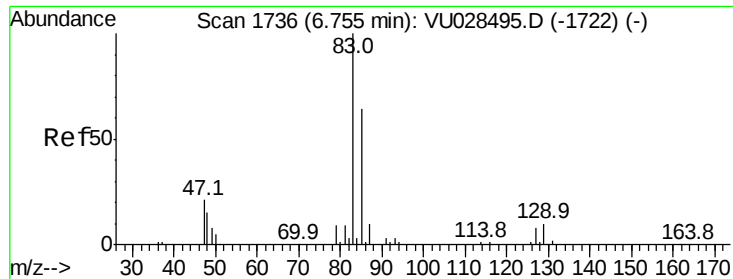
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 19.862 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

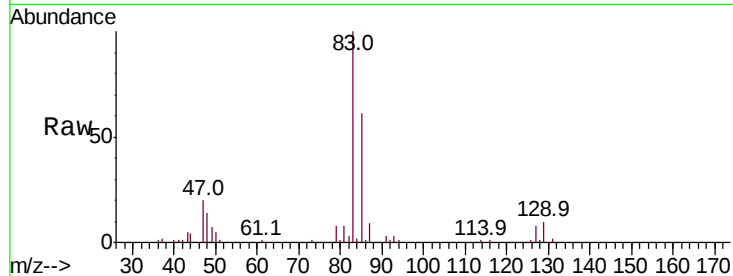
Tot Ion: 83 Resp: 41064

Ion Ratio Lower Upper

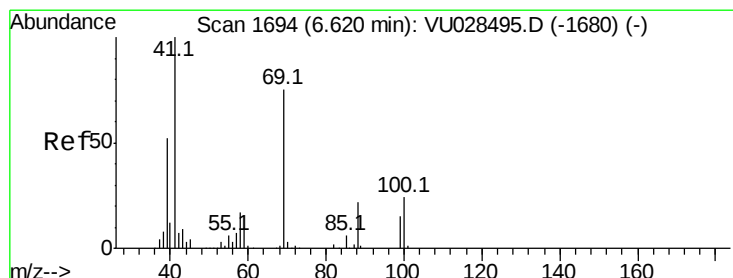
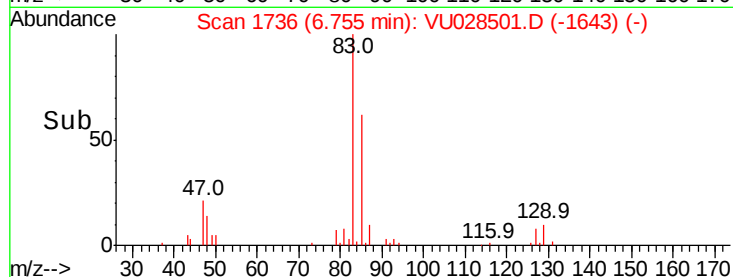
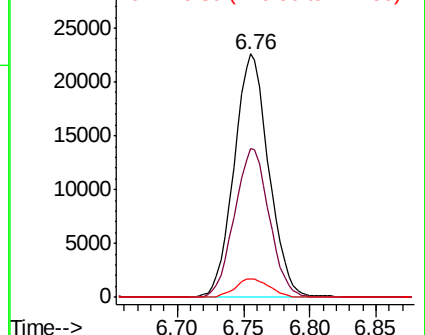
83 100

85 60.9 51.5 77.3

127 7.7 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.014 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

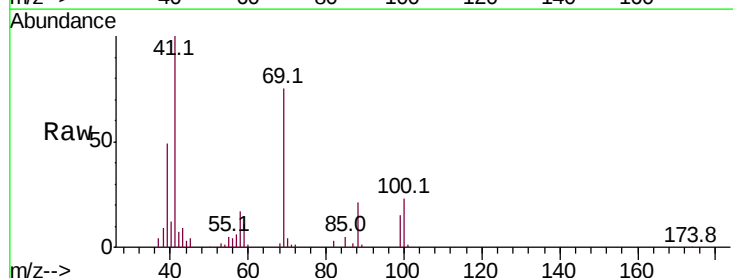
Tgt Ion: 41 Resp: 43998

Ion Ratio Lower Upper

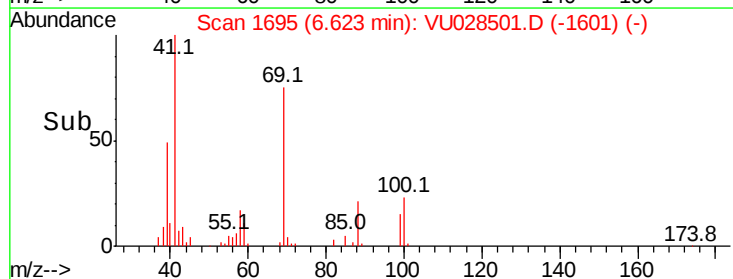
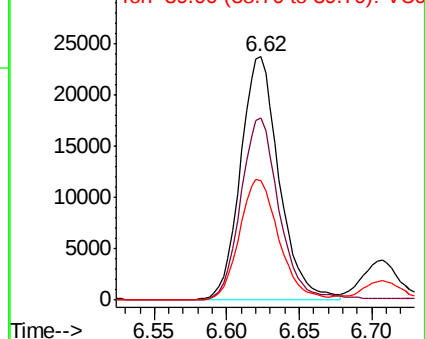
41 100

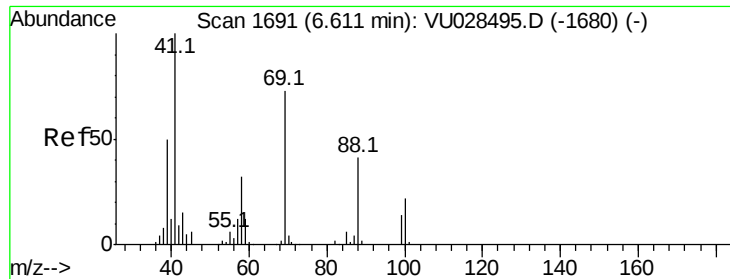
69 74.5 60.4 90.6

39 50.5 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 408.072 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

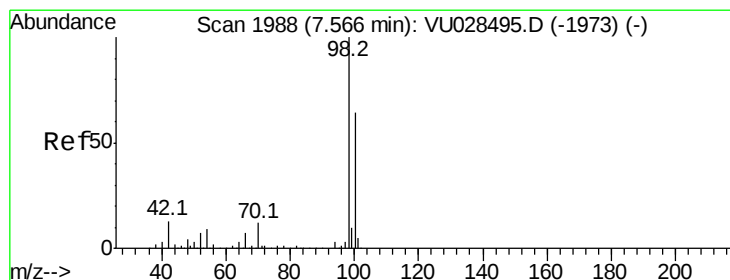
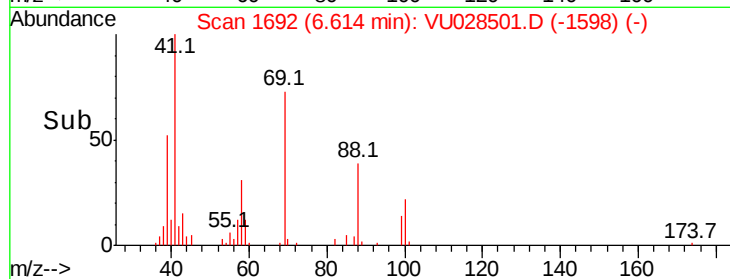
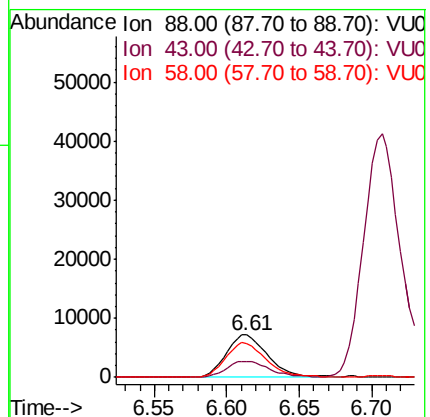
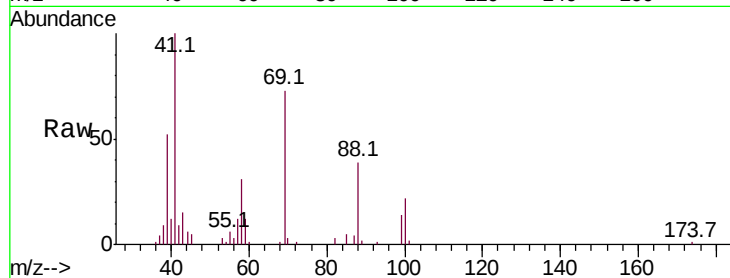
Tot Ion: 88 Resp: 14165

Ion Ratio Lower Upper

88 100

43 39.7 30.9 46.3

58 80.1 62.4 93.6



#50

Toluene-d8

Concen: 52.363 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028501.D

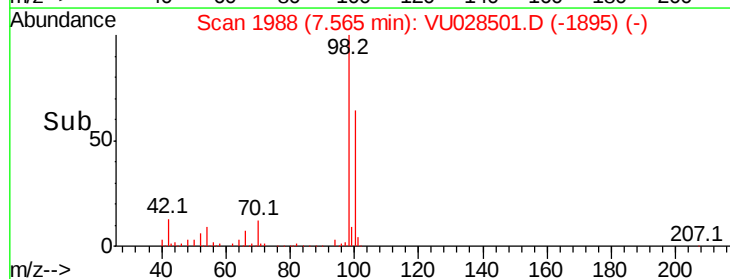
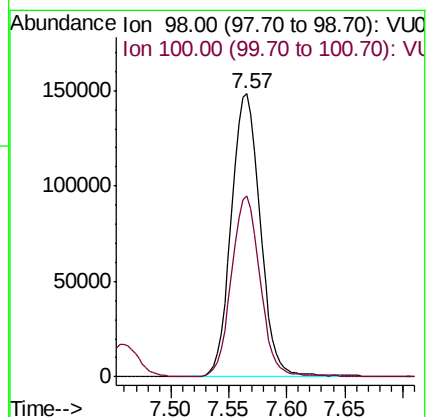
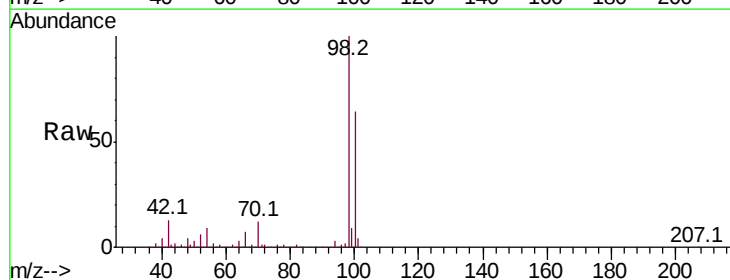
Acq: 06 Dec 2018 15:26

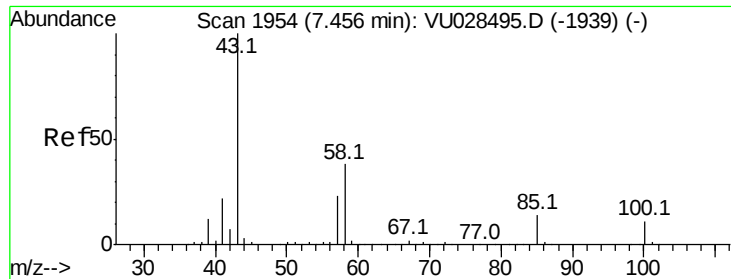
Tgt Ion: 98 Resp: 257548

Ion Ratio Lower Upper

98 100

100 62.6 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 97.717 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

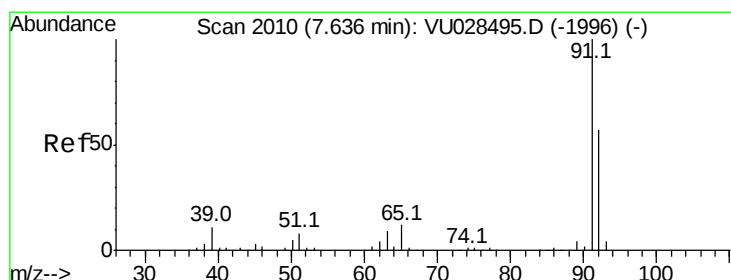
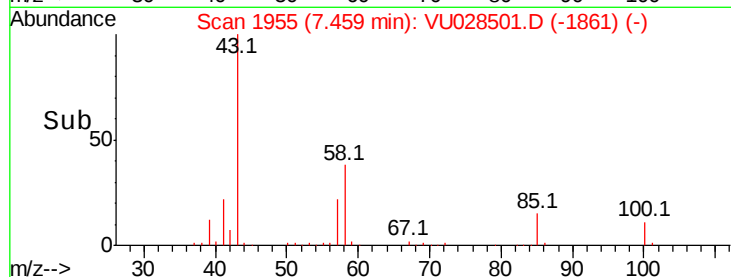
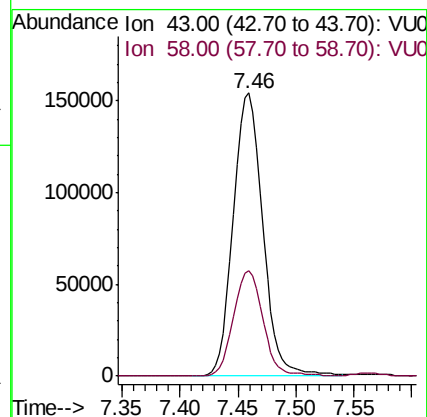
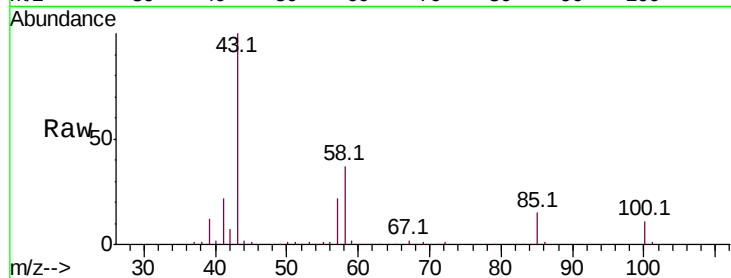
ClientSampleId :

Tot Ion: 43 Resp: 272451

Ion Ratio Lower Upper

43 100

58 37.4 30.2 45.2



#52

Toluene

Concen: 19.541 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028501.D

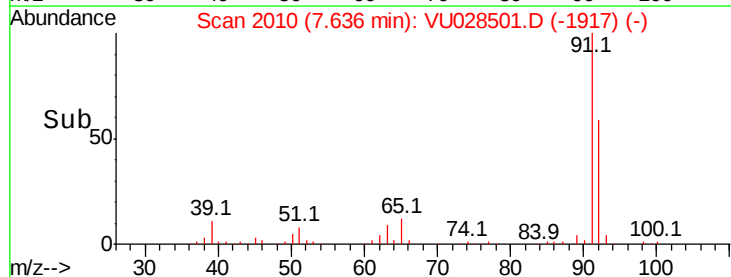
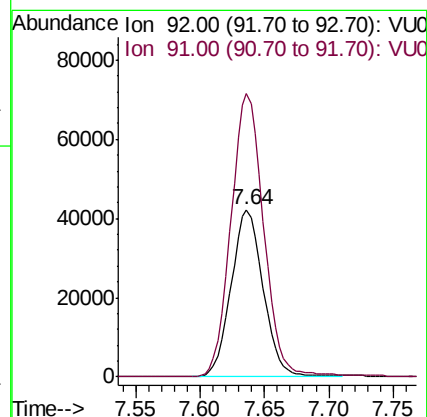
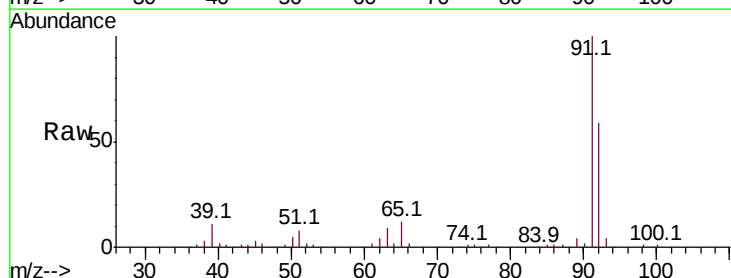
Acq: 06 Dec 2018 15:26

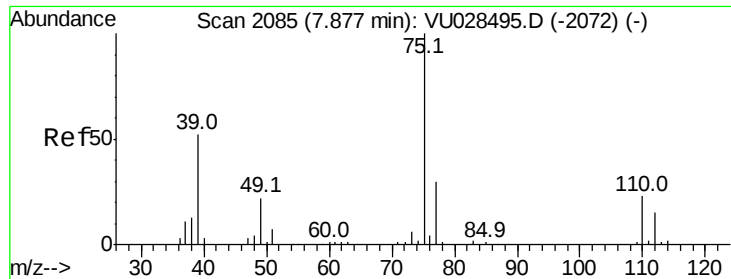
Tgt Ion: 92 Resp: 73231

Ion Ratio Lower Upper

92 100

91 173.1 140.2 210.4

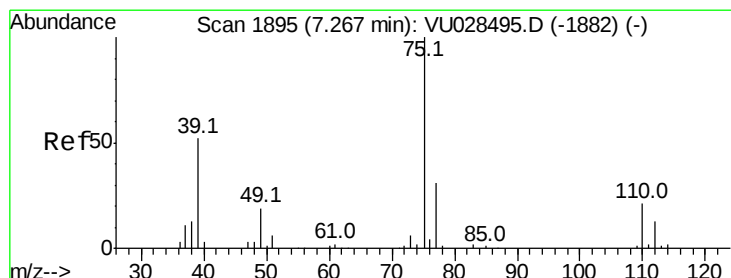
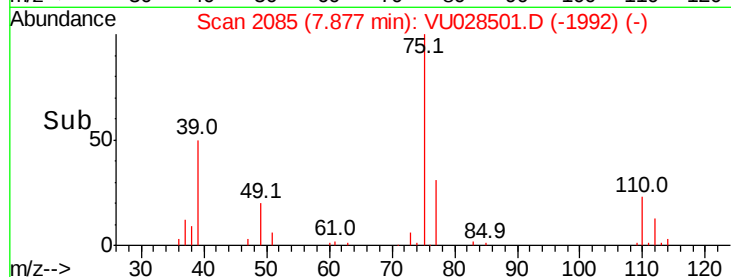
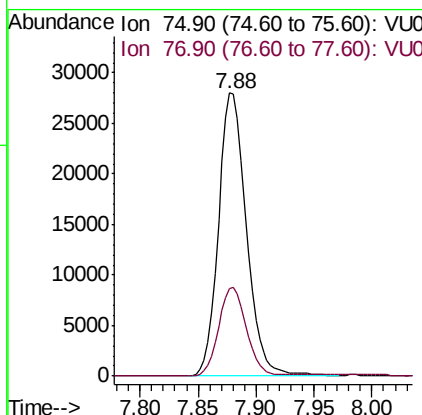
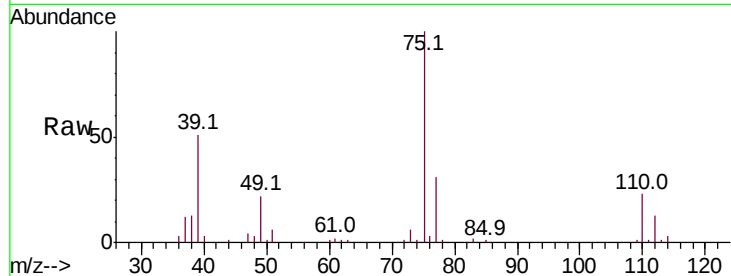




#53
t-1,3-Dichloropropene
Concen: 19.092 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

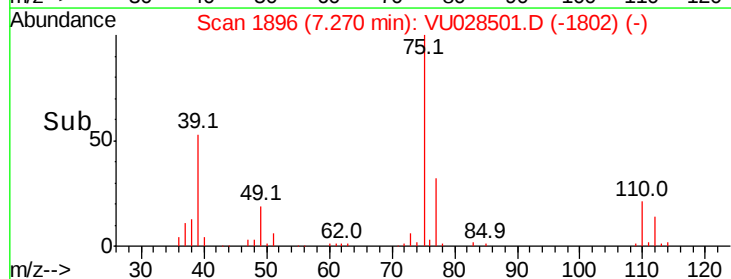
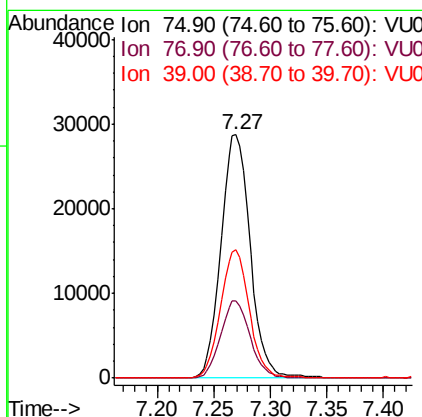
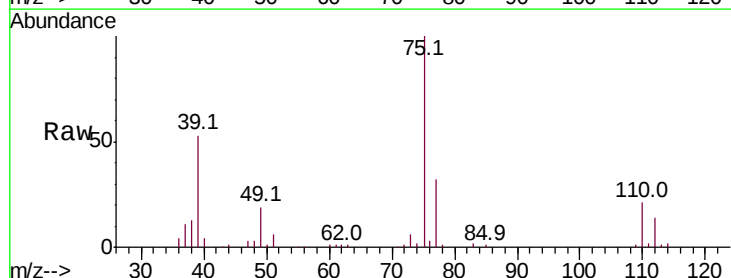
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 47009
Ion Ratio Lower Upper
75 100
77 30.7 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 19.386 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion: 75 Resp: 51787
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4
39 52.5 41.3 61.9

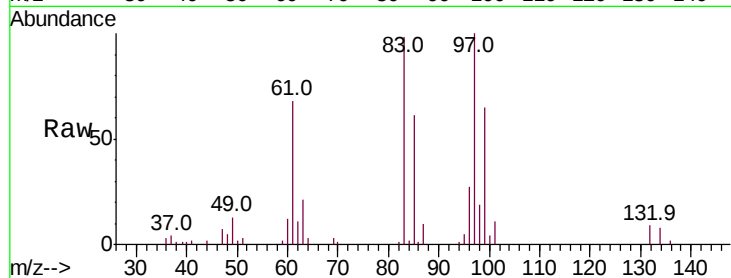




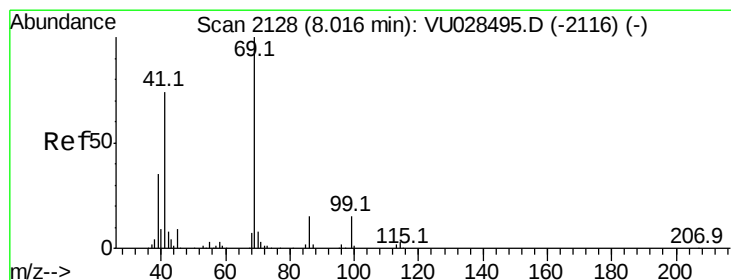
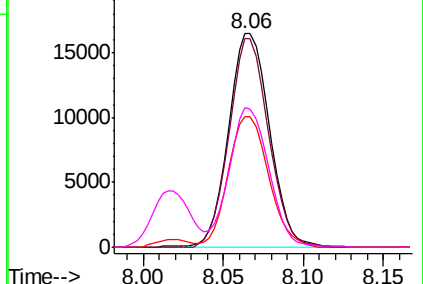
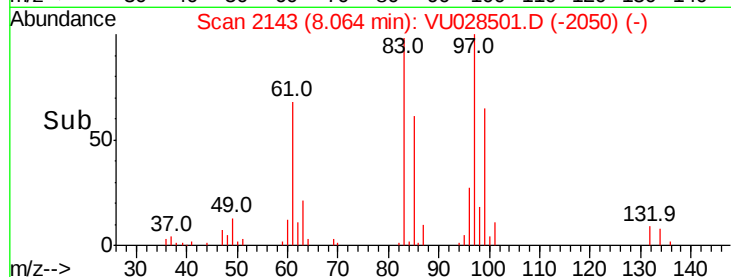
#55
1,1,2-Trichloroethane
Concen: 19.400 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	28739
Ion	Ratio	Lower	Upper
97	100		
83	97.6	72.4	108.6
85	61.1	46.0	69.0
99	64.7	47.4	71.2

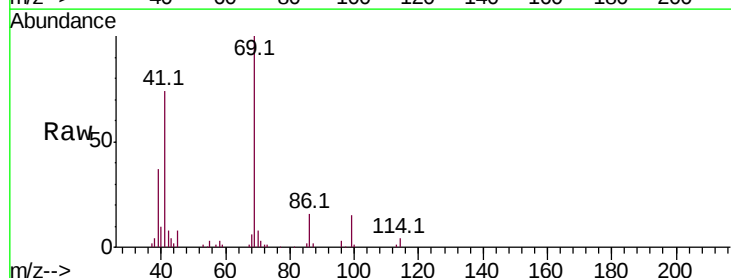


Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 98.90 (98.60 to 99.60): VU0

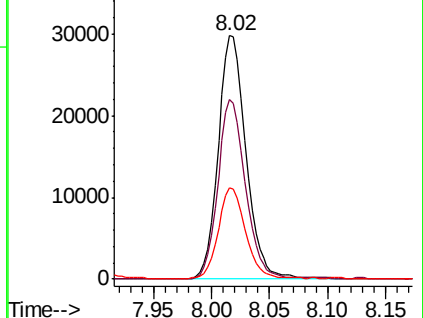
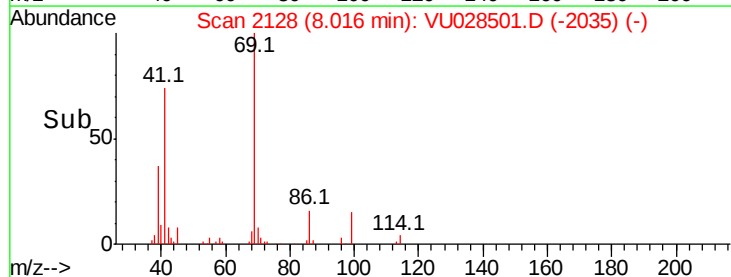


#56
Ethyl methacrylate
Concen: 19.582 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion:	69	Resp:	49675
Ion	Ratio	Lower	Upper
69	100		
41	73.3	59.1	88.7
39	35.8	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 19.215 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

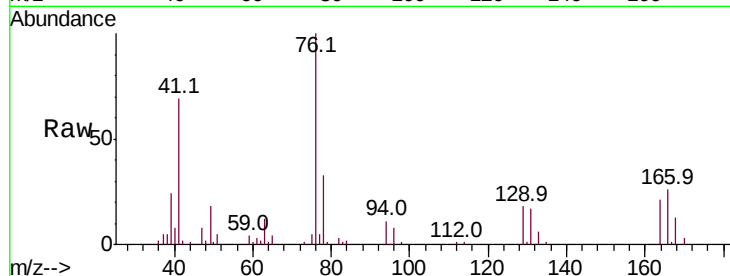
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 52839

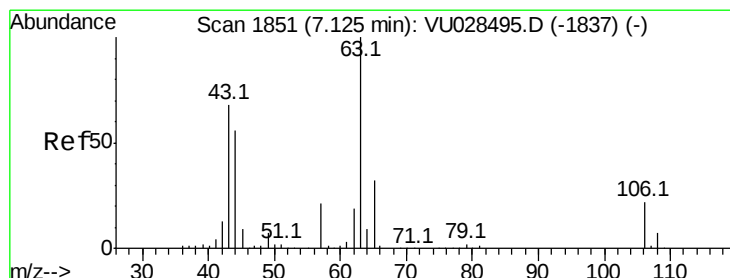
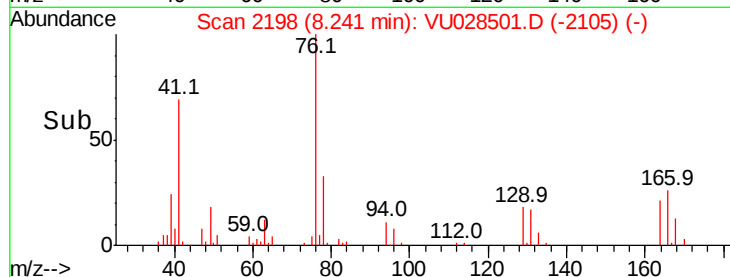
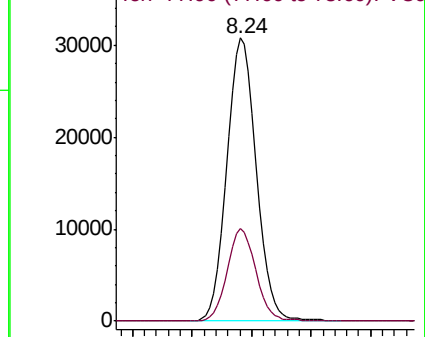
Ion Ratio Lower Upper

76 100

78 31.6 25.2 37.8



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: 95.562 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028501.D

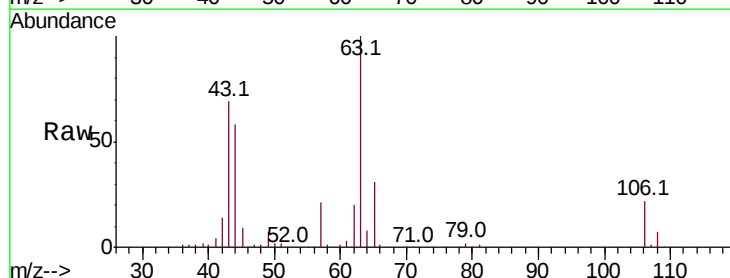
Acq: 06 Dec 2018 15:26

Tgt Ion: 63 Resp: 124167

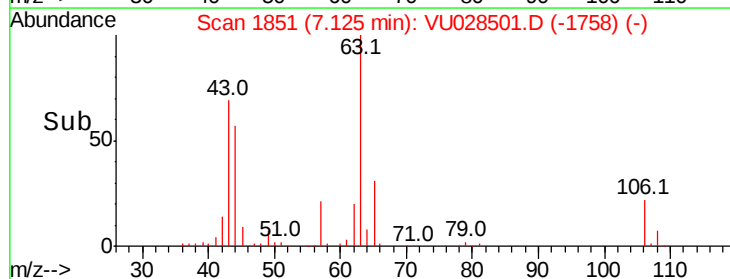
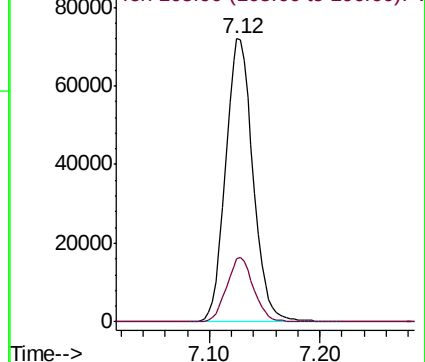
Ion Ratio Lower Upper

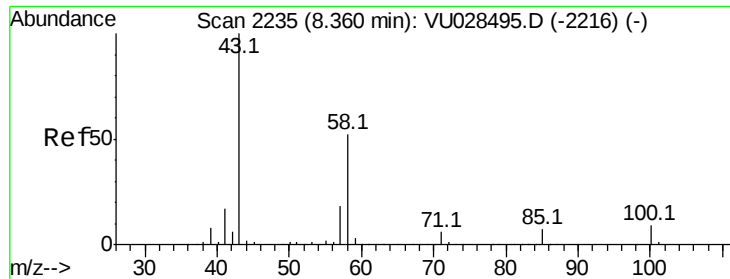
63 100

106 22.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

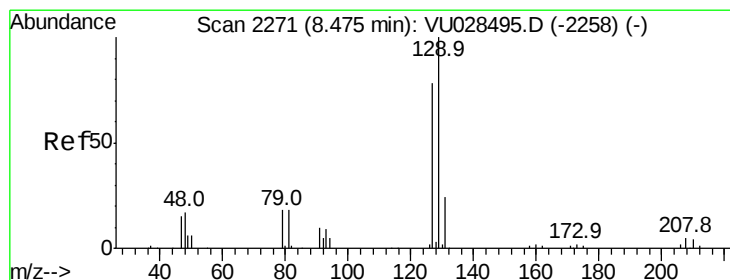
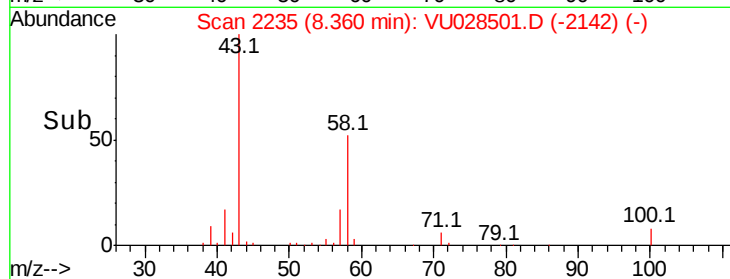
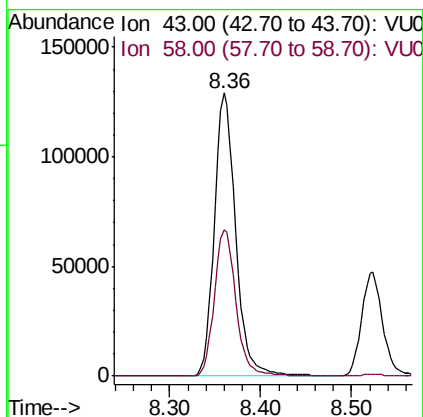
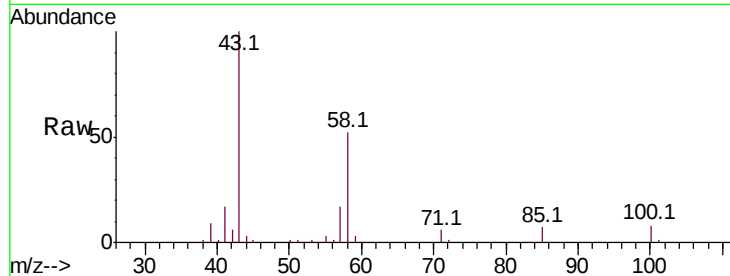




#59
2-Hexanone
Concen: 95.353 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

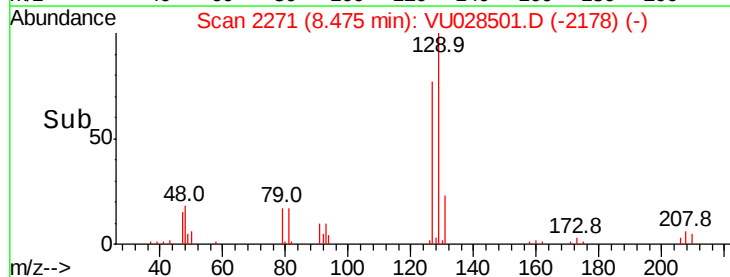
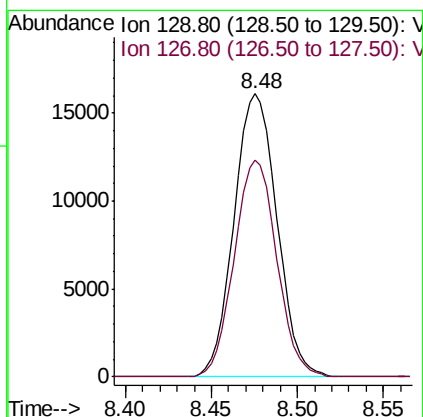
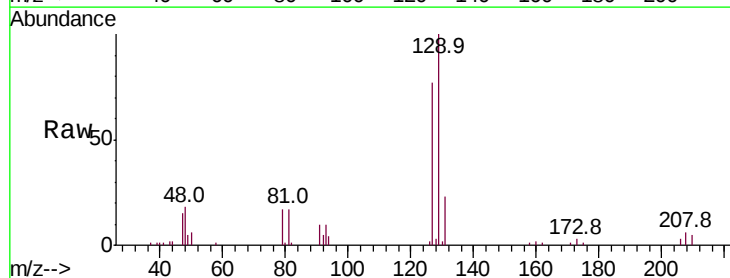
Instrument :
MSVOA_U
ClientSampled :

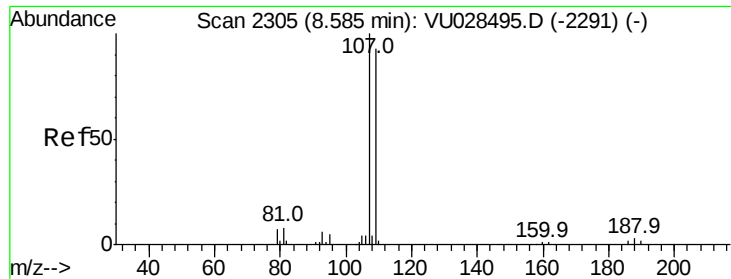
Tot Ion: 43 Resp: 210721
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.6



#60
Dibromochloromethane
Concen: 19.268 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion: 129 Resp: 27945
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.600 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

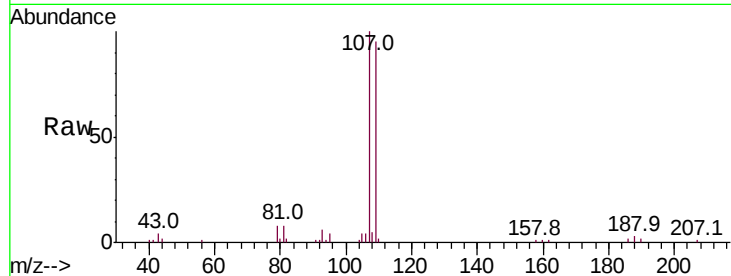
ClientSampleId :

Tot Ion:107 Resp: 30448

Ion Ratio Lower Upper

107 100

109 96.3 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

15000

10000

5000

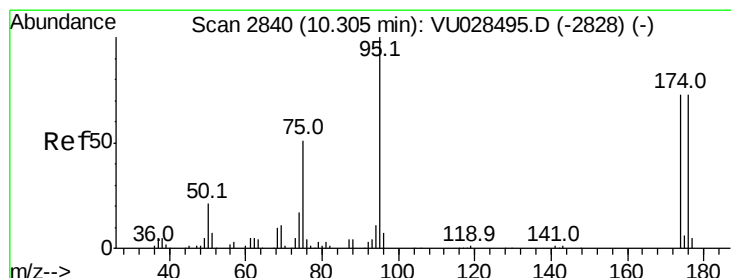
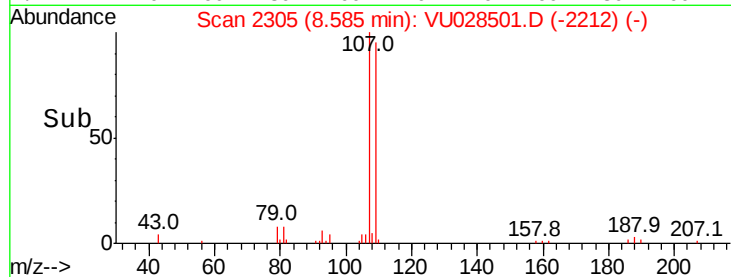
0

Time-->

8.55

8.60

8.65



#62

4-Bromofluorobenzene

Concen: 51.330 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

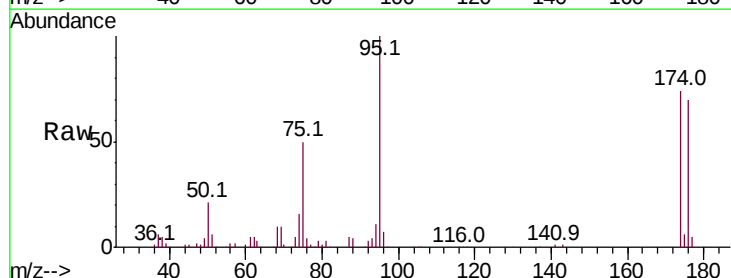
Tgt Ion: 95 Resp: 94362

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 72.0 0.0 145.2



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

10.30

80000

60000

40000

20000

0

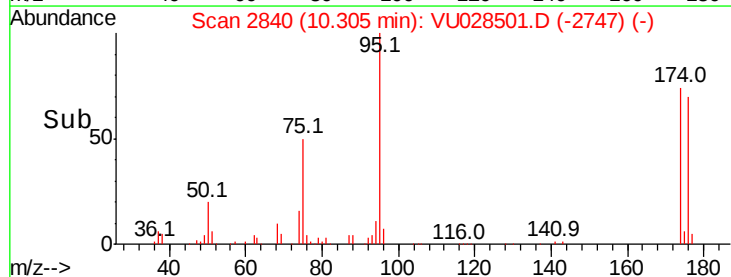
Time-->

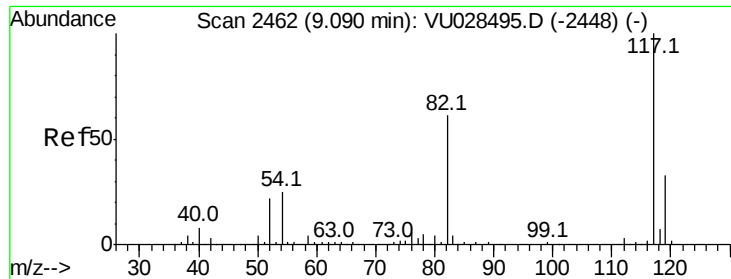
10.25

10.30

10.35

10.40

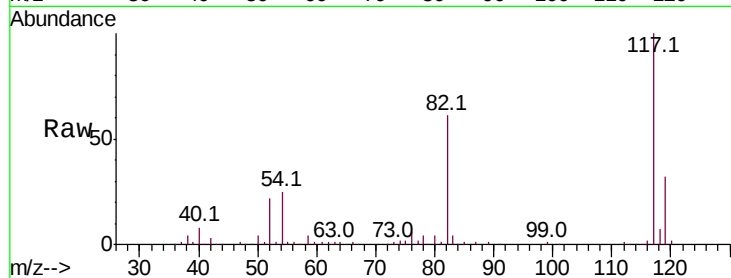




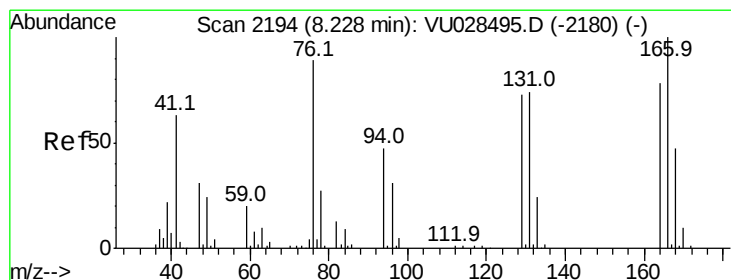
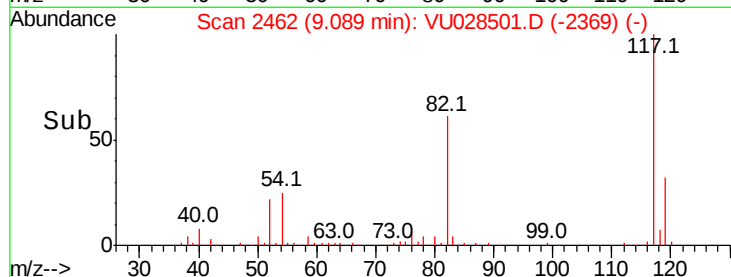
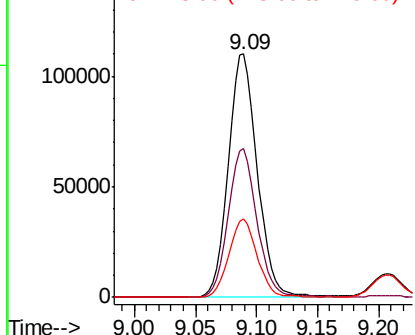
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 183211
Ion Ratio Lower Upper
117 100
82 61.0 48.9 73.3
119 32.0 26.2 39.4

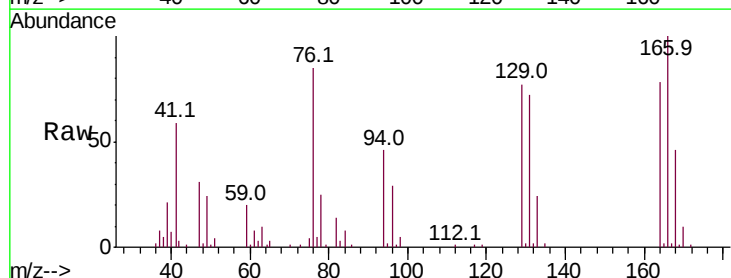


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

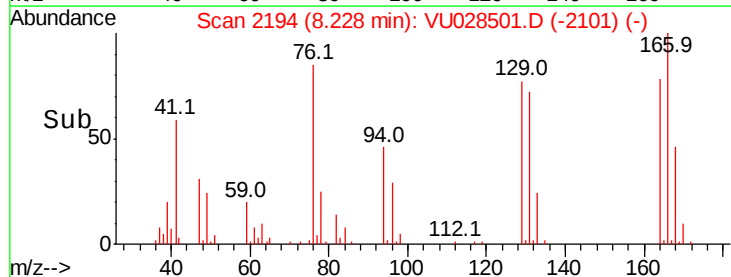
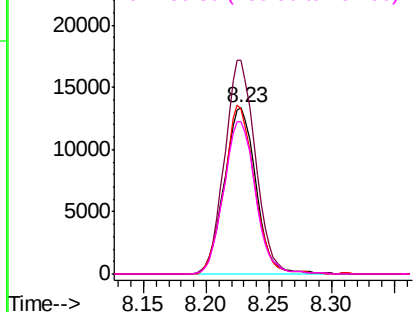


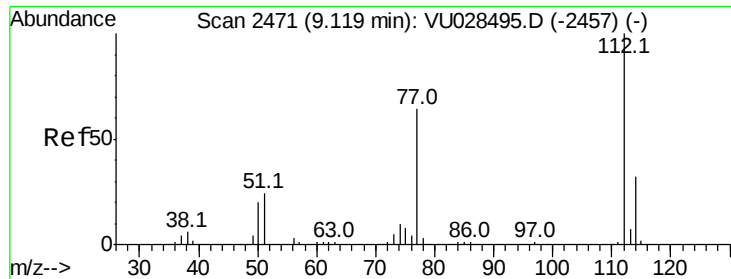
#64
Tetrachloroethene
Concen: 19.181 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion:164 Resp: 23440
Ion Ratio Lower Upper
164 100
166 128.7 101.9 152.9
129 99.1 74.9 112.3
131 92.0 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
25000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

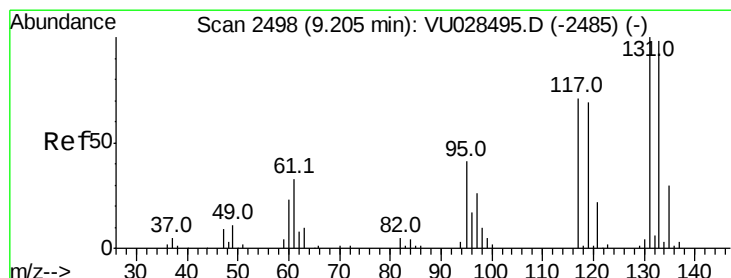
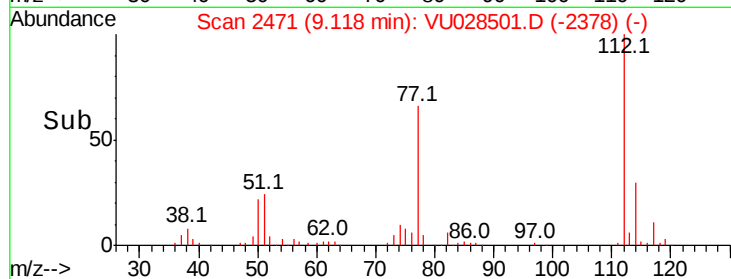
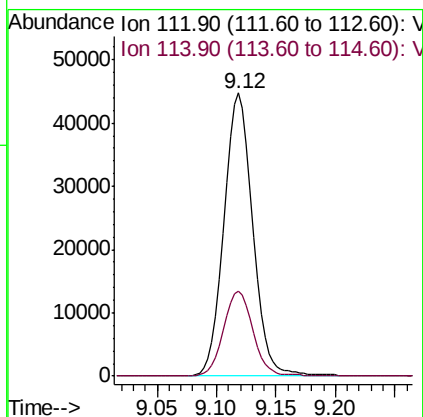
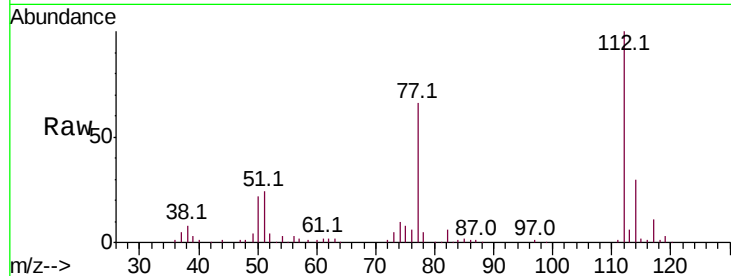




#65
Chlorobenzene
Concen: 19.278 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

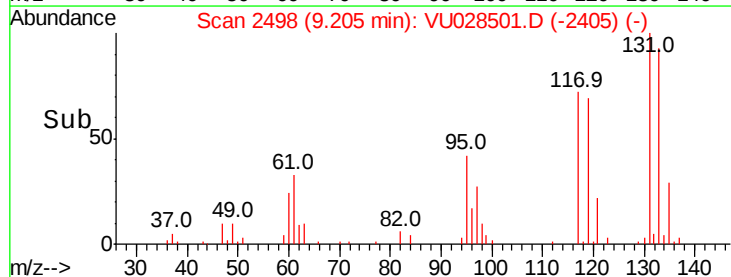
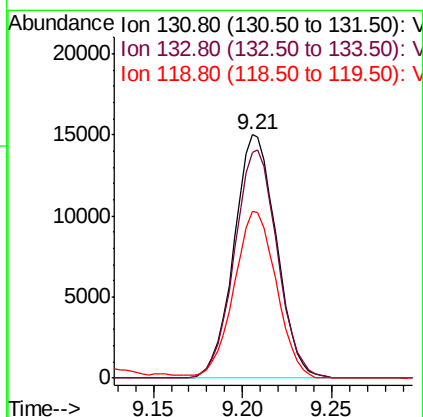
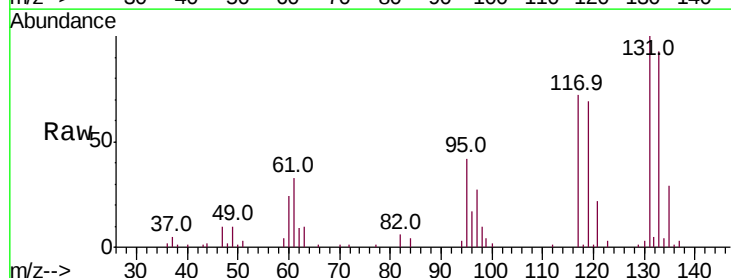
Instrument :
MSVOA_U
ClientSampled :

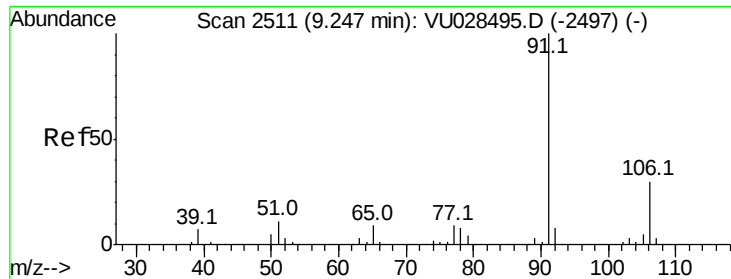
Tot Ion:112 Resp: 75262
Ion Ratio Lower Upper
112 100
114 30.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.884 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion:131 Resp: 24789
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.0
119 68.6 34.6 103.9

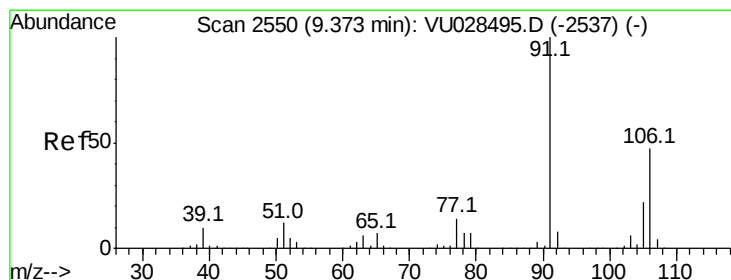
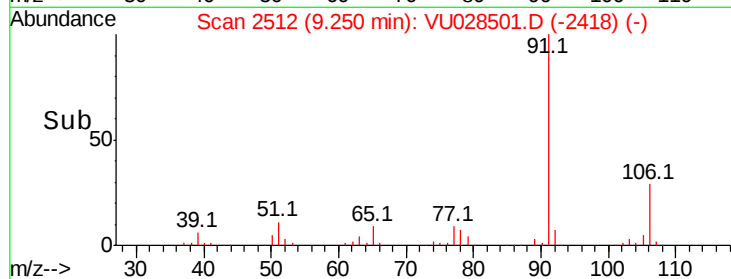
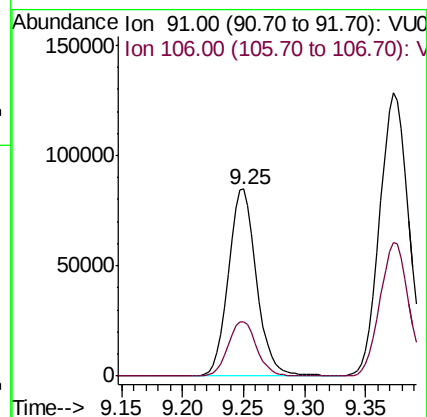
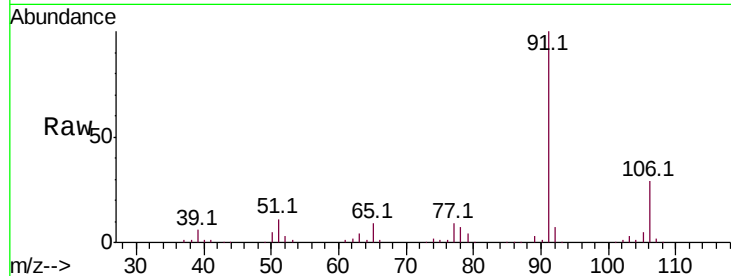




#67
Ethyl Benzene
Concen: 19.258 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

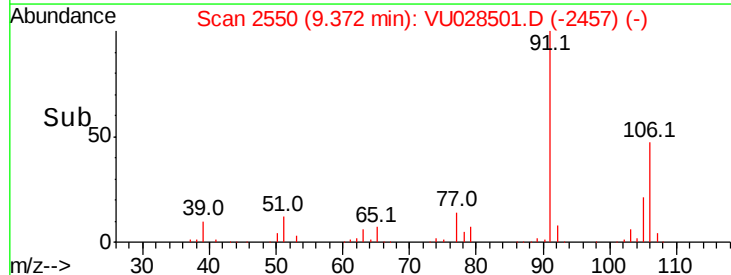
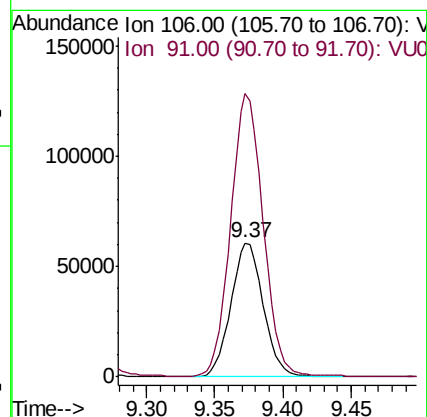
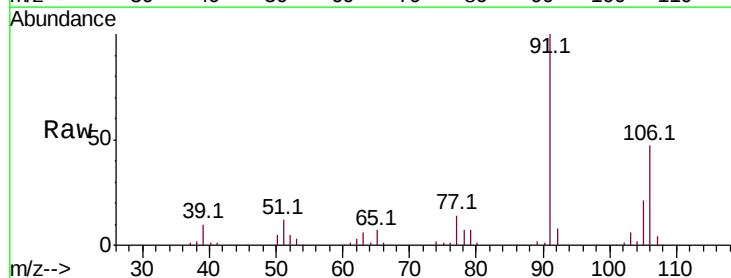
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 138214
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1



#68
m/p-Xylenes
Concen: 38.328 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion: 106 Resp: 100092
Ion Ratio Lower Upper
106 100
91 213.2 167.4 251.0

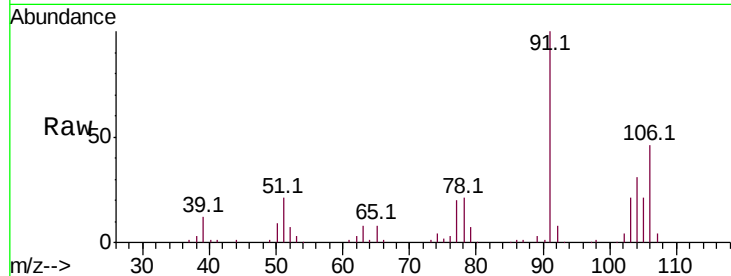




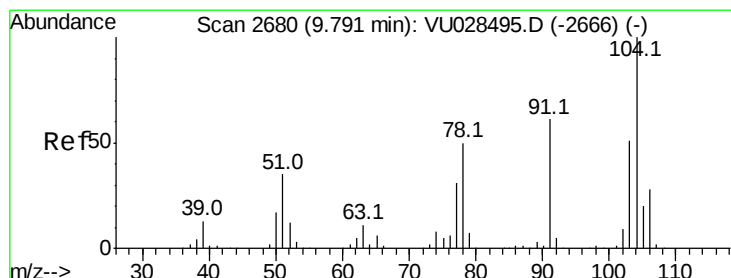
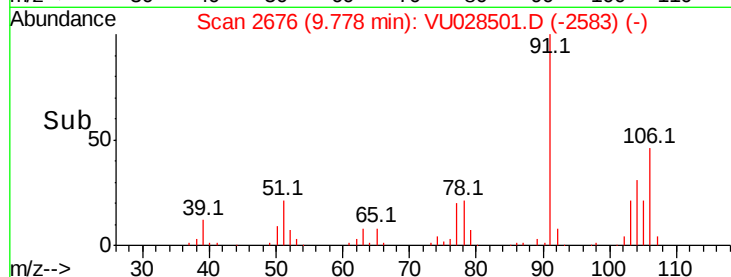
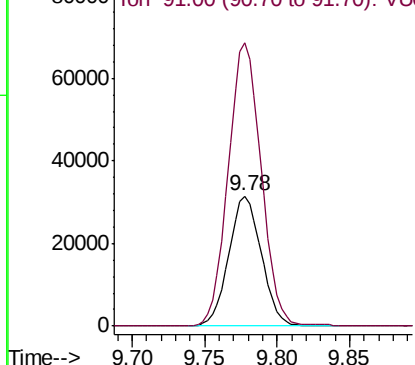
#69
o-Xylene
Concen: 19.395 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 49222
Ion Ratio Lower Upper
106 100
91 220.8 111.3 334.0

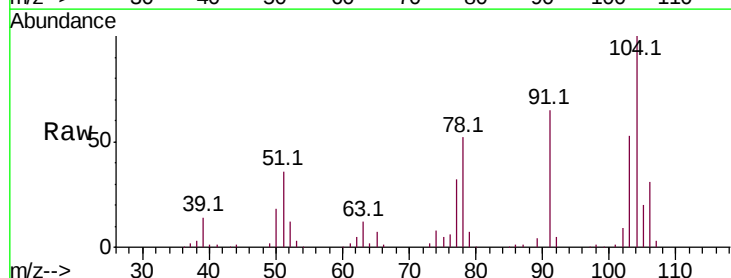


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

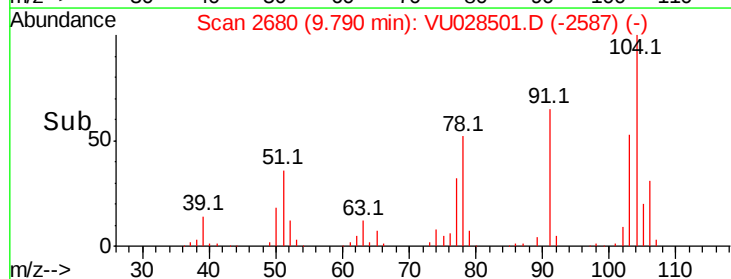
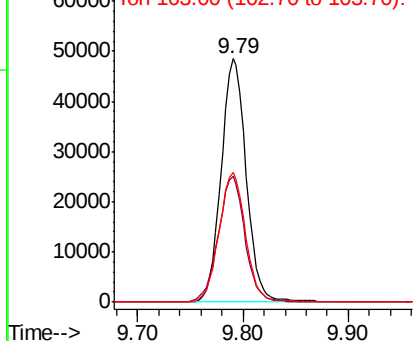


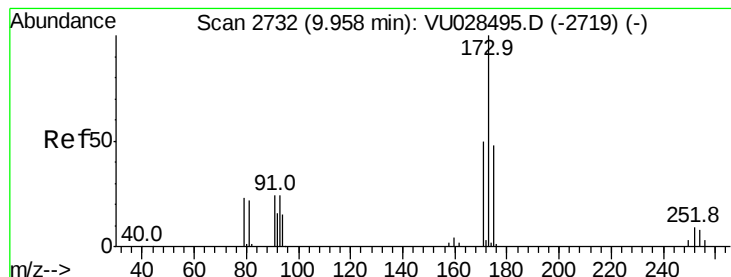
#70
Styrene
Concen: 19.015 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion:104 Resp: 79863
Ion Ratio Lower Upper
104 100
78 54.8 43.0 64.6
103 56.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.208 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

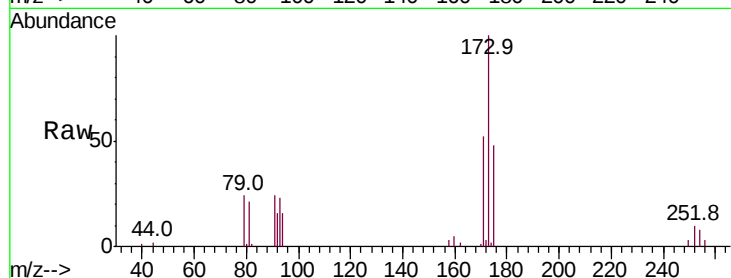
Tot Ion:173 Resp: 20371

Ion Ratio Lower Upper

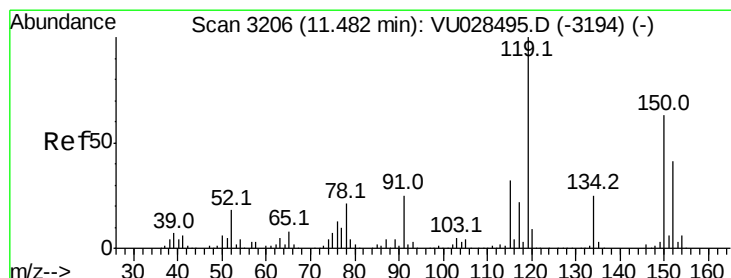
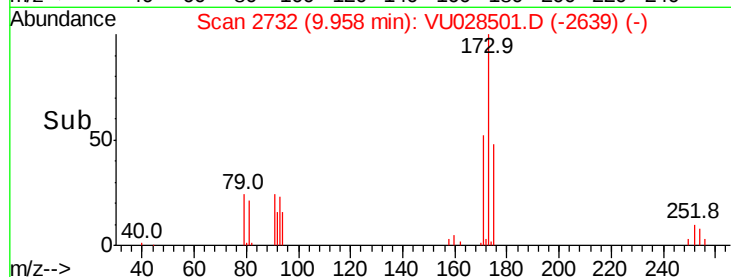
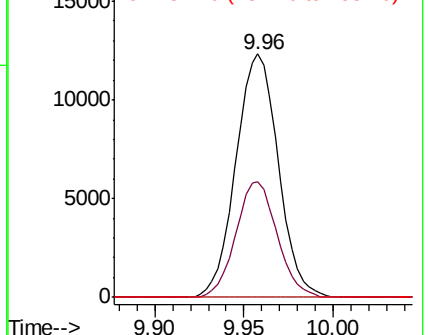
173 100

175 46.3 23.9 71.8

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: VU028501.D

Acq: 06 Dec 2018 15:26

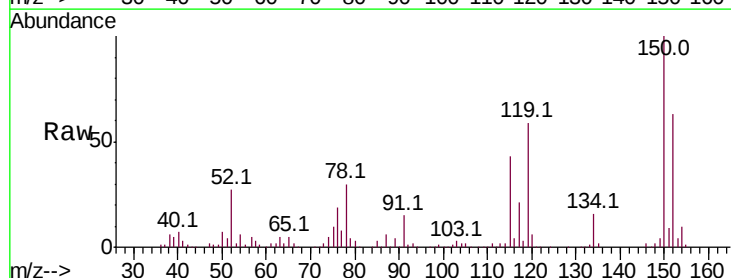
Tgt Ion:152 Resp: 89412

Ion Ratio Lower Upper

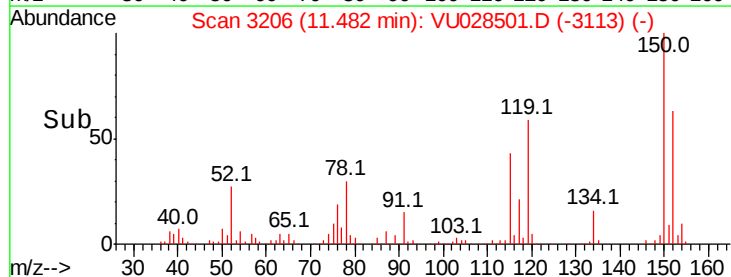
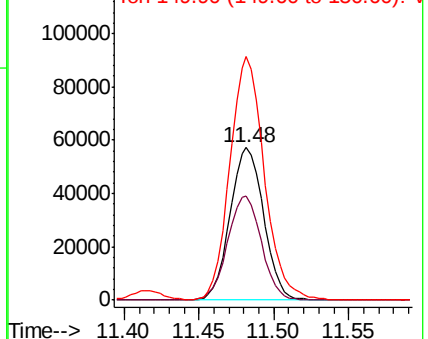
152 100

115 68.6 42.7 128.1

150 163.7 0.0 346.0



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: 19.011 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

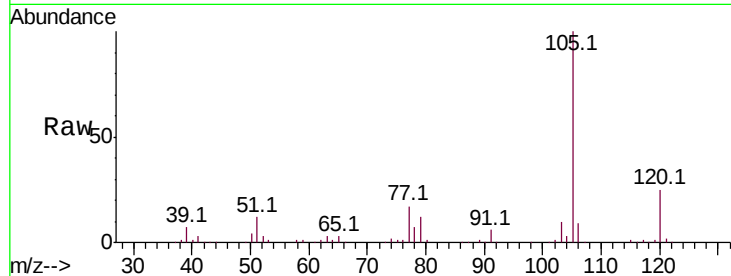
ClientSampleId :

Tot Ion:105 Resp: 130431

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

80000

60000

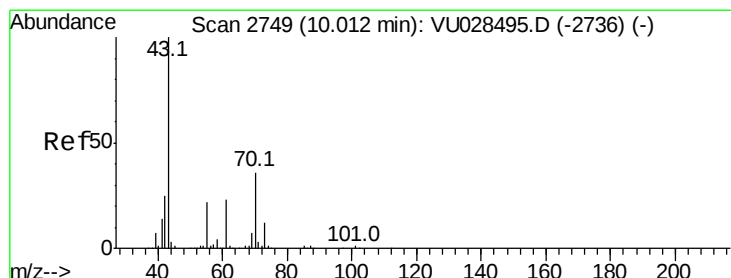
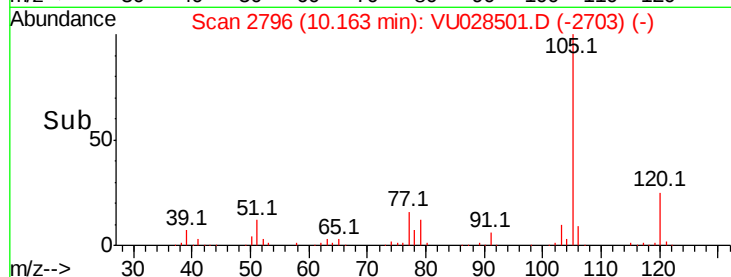
40000

20000

0

Time-->

10.10 10.15 10.20 10.25



#74

N-ethyl acetate

Concen: 18.580 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Tgt Ion: 43 Resp: 73532

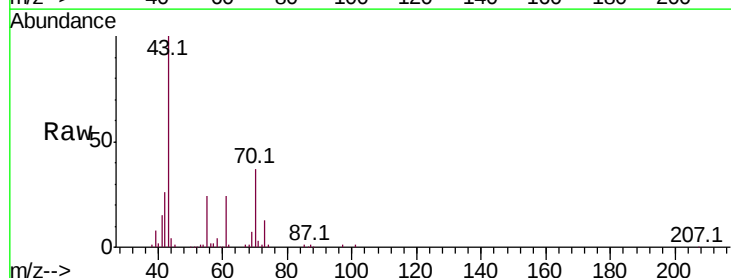
Ion Ratio Lower Upper

43 100

70 37.5 29.3 43.9

55 23.0 18.0 27.0

61 23.0 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

60000

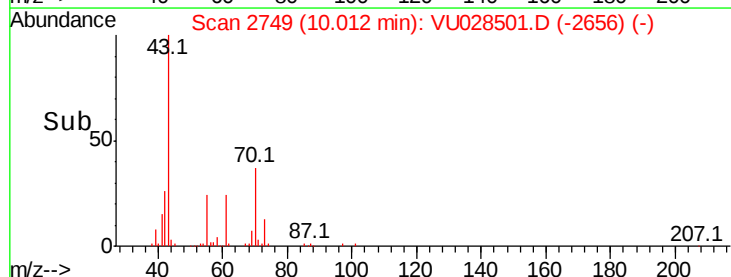
40000

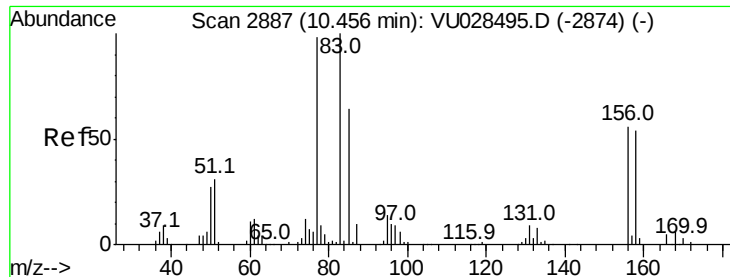
20000

0

Time-->

9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.515 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampled :

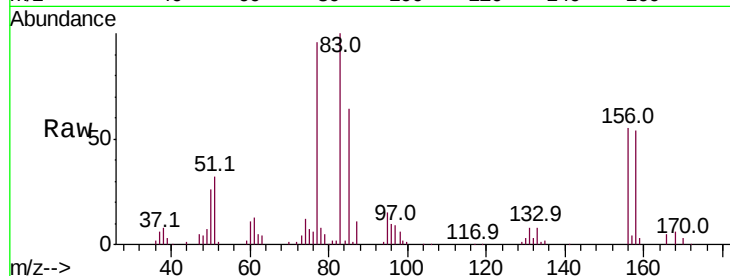
Tot Ion: 83 Resp: 51434

Ion Ratio Lower Upper

83 100

131 7.7 4.2 12.4

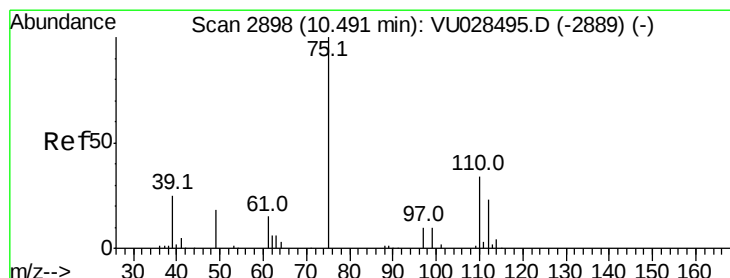
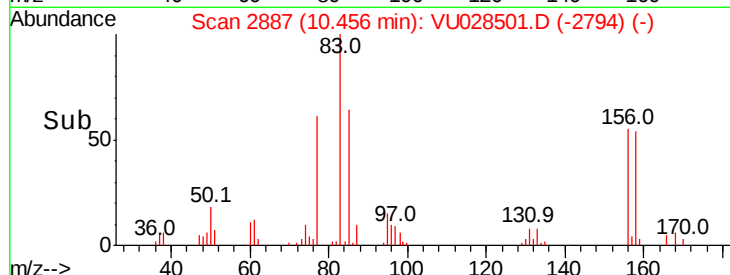
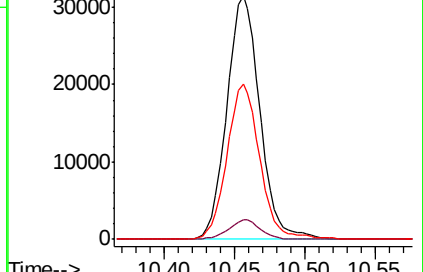
85 63.4 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 26.393 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028501.D

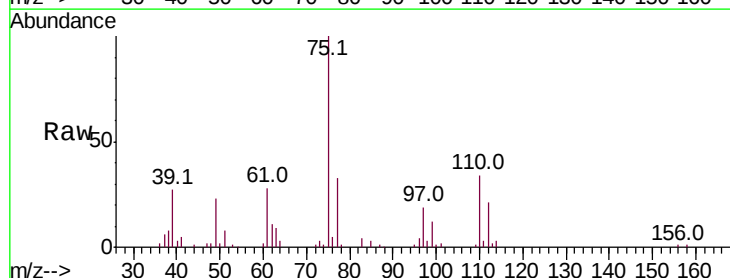
Acq: 06 Dec 2018 15:26

Tgt Ion: 75 Resp: 60260

Ion Ratio Lower Upper

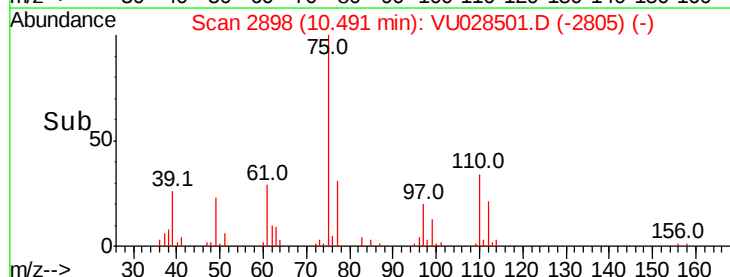
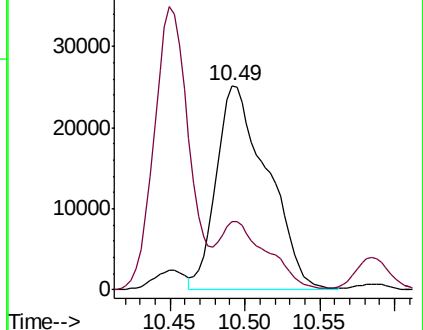
75 100

77 30.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.160 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampled :

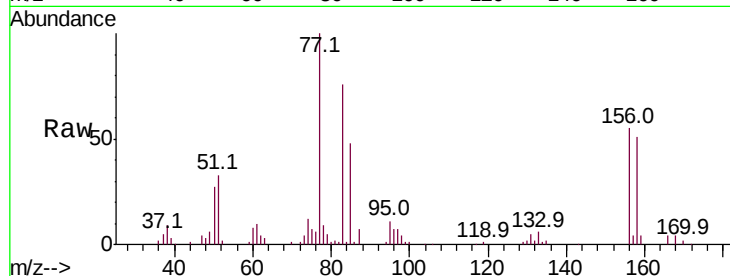
Tot Ion:156 Resp: 30744

Ion Ratio Lower Upper

156 100

77 184.5 92.4 277.2

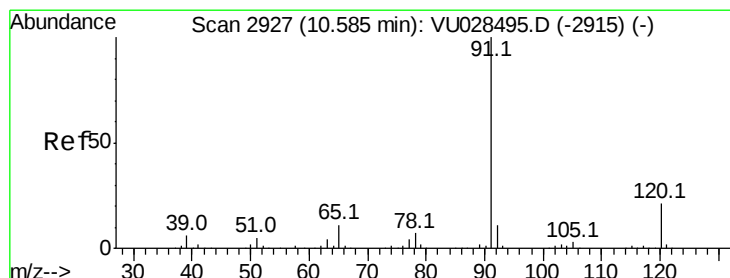
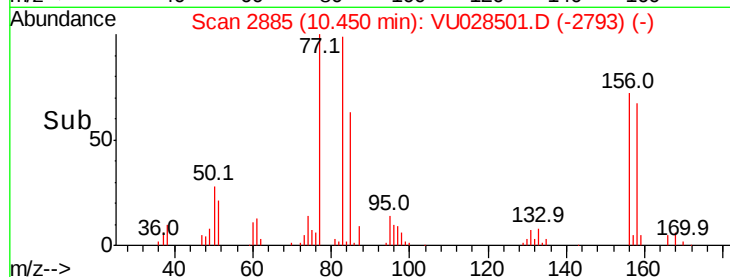
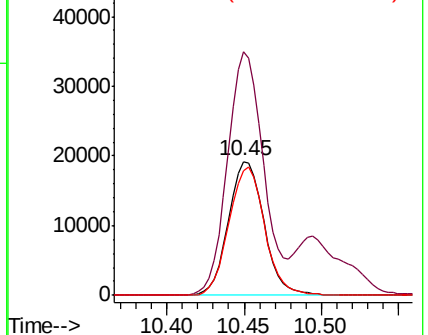
158 96.2 48.4 145.3



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: 18.744 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028501.D

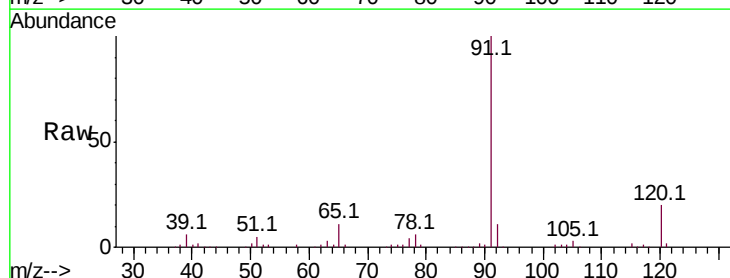
Acq: 06 Dec 2018 15:26

Tgt Ion: 91 Resp: 159796

Ion Ratio Lower Upper

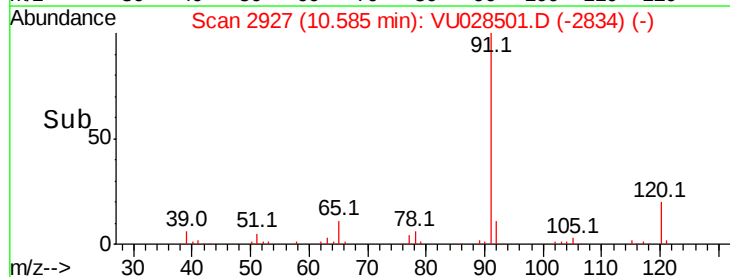
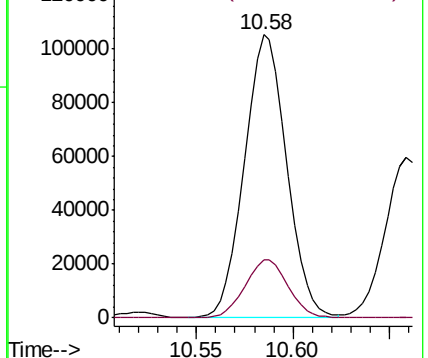
91 100

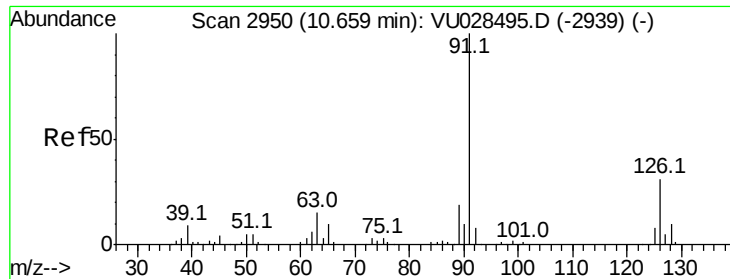
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

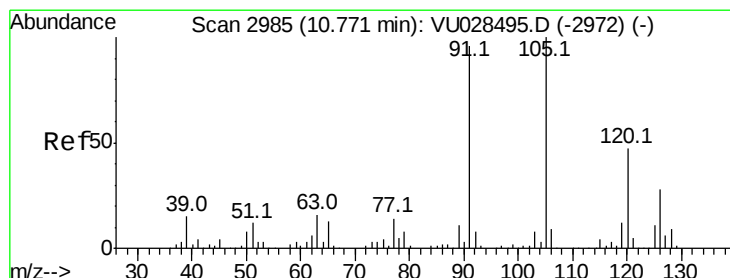
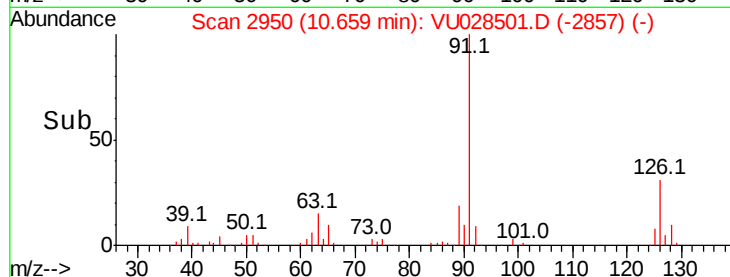
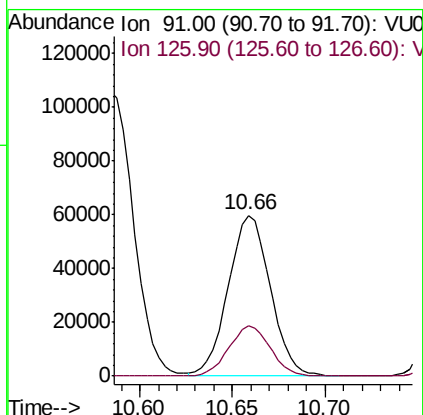
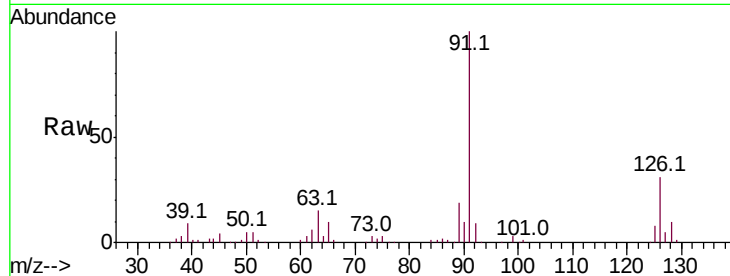




#79
 2-Chlorotoluene
 Concen: 19.030 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

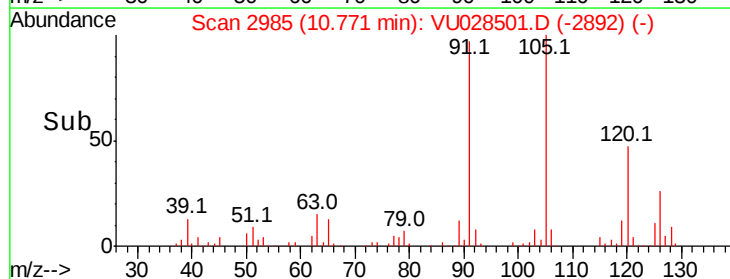
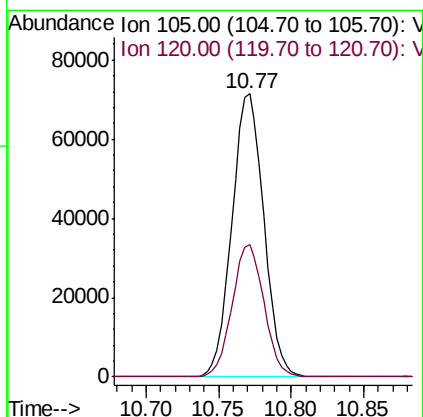
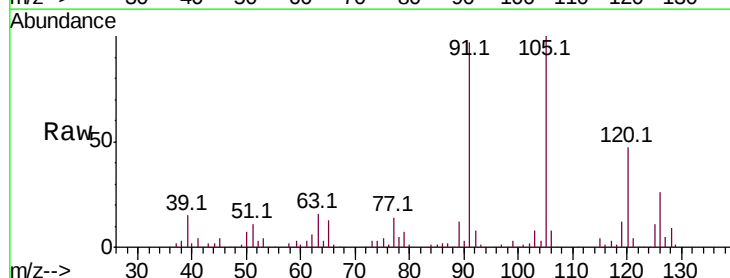
Instrument :
 MSVOA_U
 ClientSampleId :

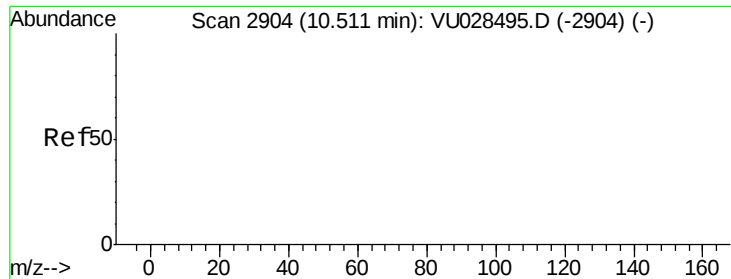
Tot Ion: 91 Resp: 93451
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.198 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion: 105 Resp: 109030
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 64.737 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

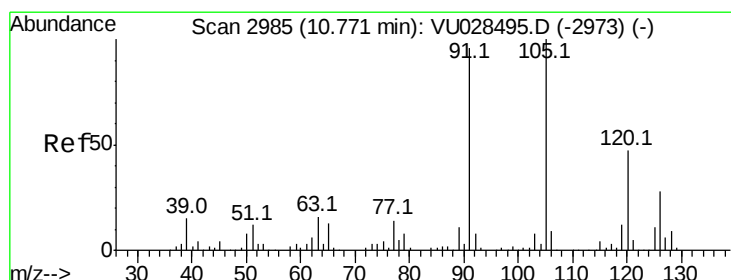
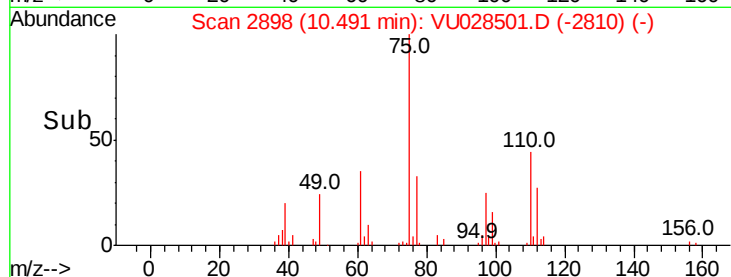
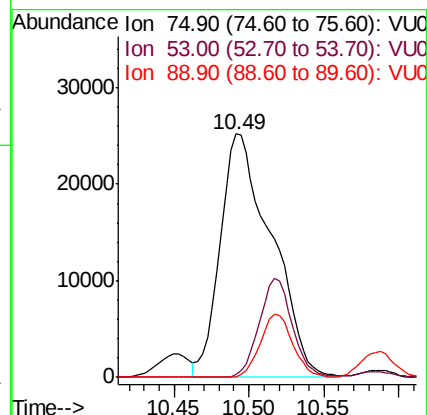
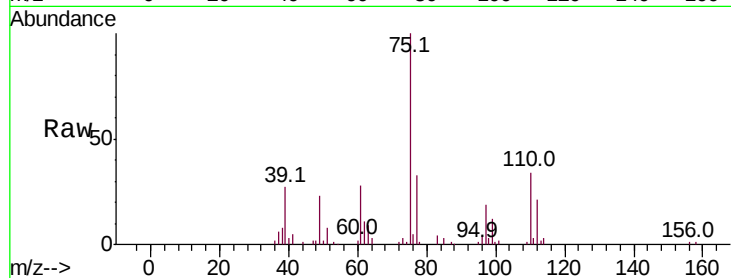
Tot Ion: 75 Resp: 60260

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 18.349 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028501.D

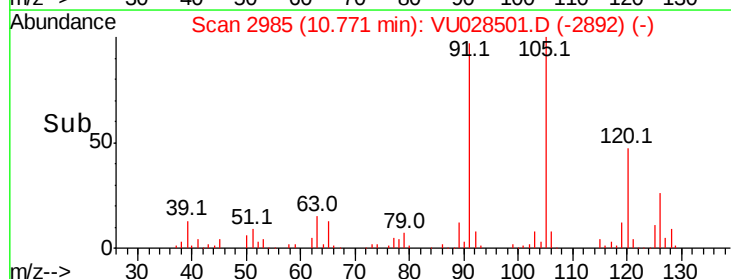
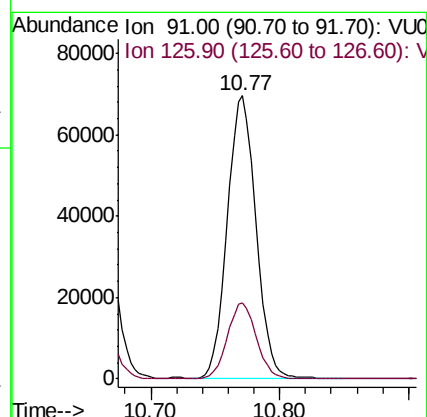
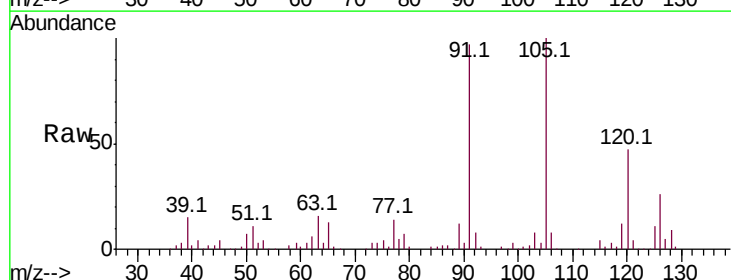
Acq: 06 Dec 2018 15:26

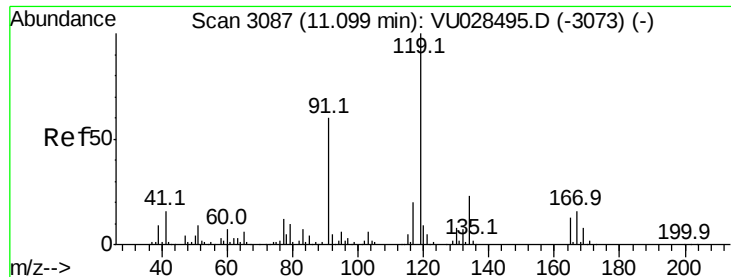
Tgt Ion: 91 Resp: 106781

Ion Ratio Lower Upper

91 100

126 27.2 14.1 42.3

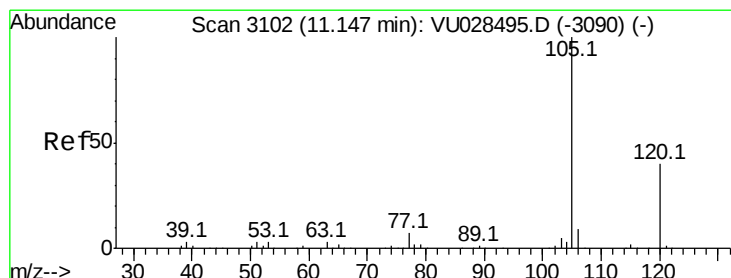
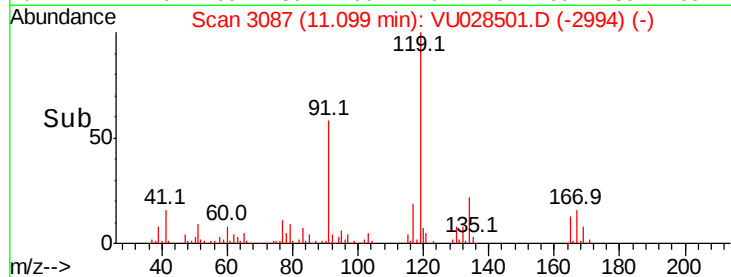
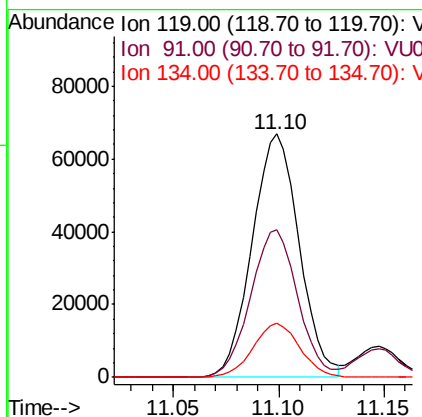
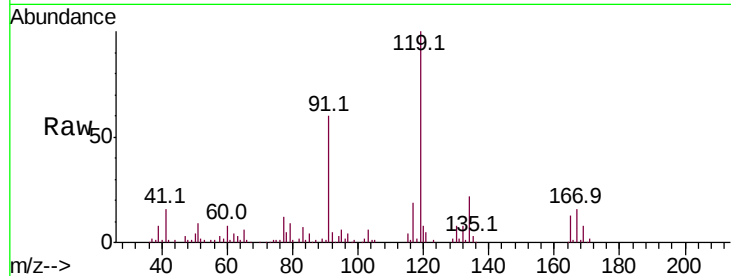




#83
tert-Butylbenzene
Concen: 18.984 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

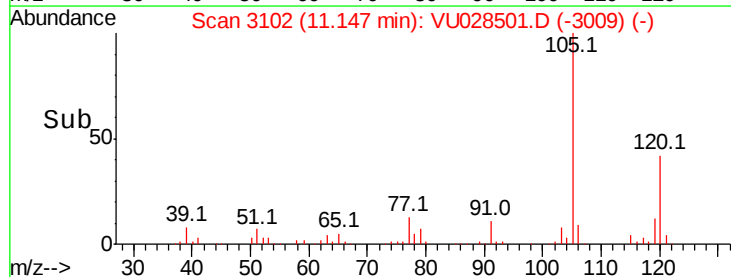
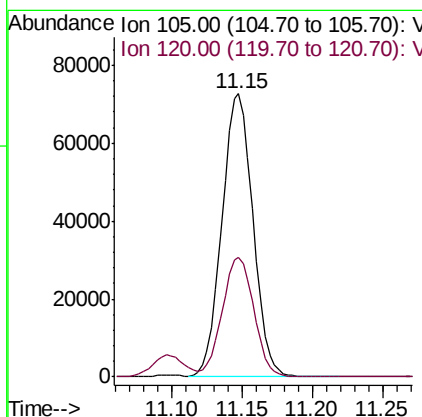
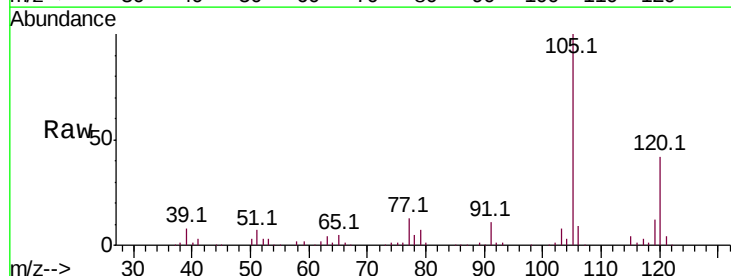
Instrument :
MSVOA_U
ClientSampleId :

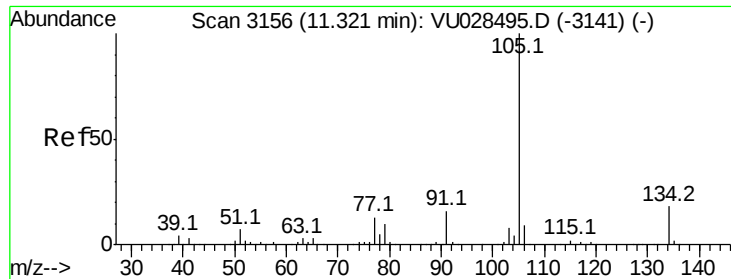
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.3	91.0
134	22.1	11.2	33.5



#84
1,2,4-Trimethylbenzene
Concen: 19.044 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.8	65.4





#85

sec-Butylbenzene

Concen: 18.976 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Instrument :

MSVOA_U

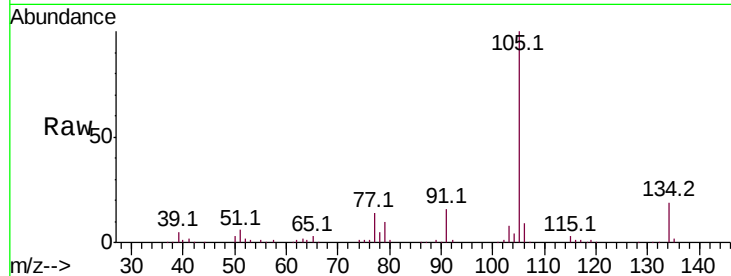
ClientSampleId :

Tot Ion:105 Resp: 133444

Ion Ratio Lower Upper

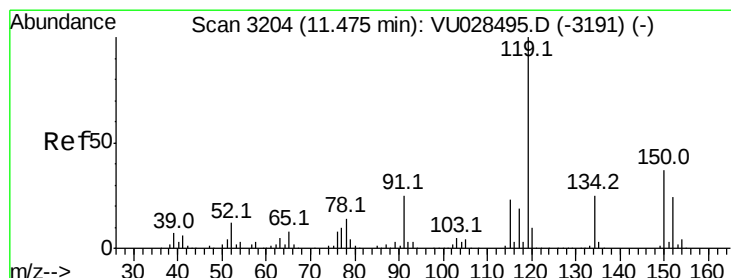
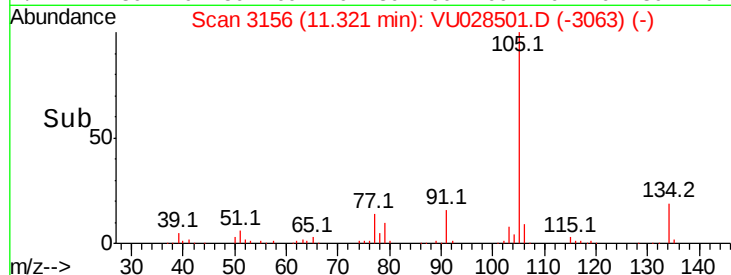
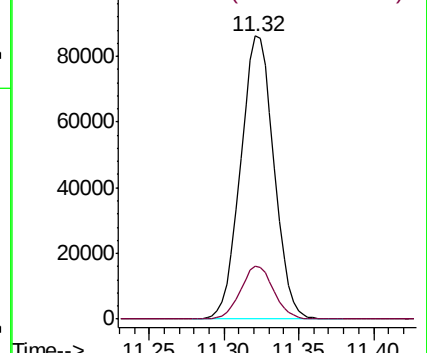
105 100

134 18.5 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: 18.554 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

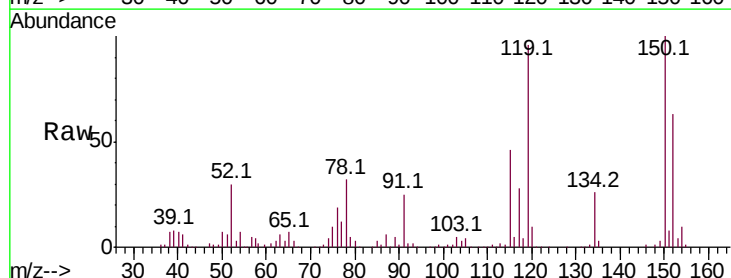
Tgt Ion:119 Resp: 110834

Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.1

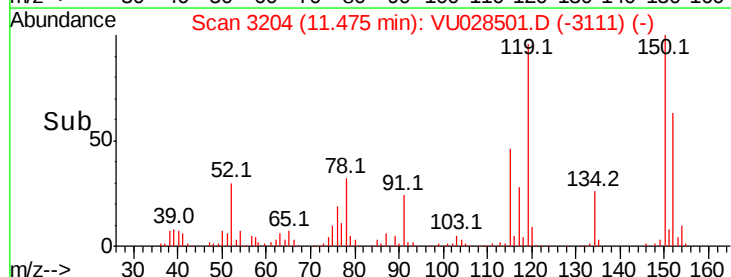
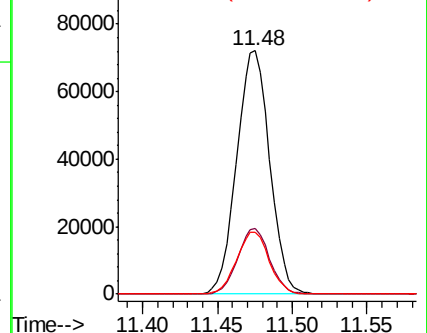
91 25.1 12.6 37.6



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: 18.618 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

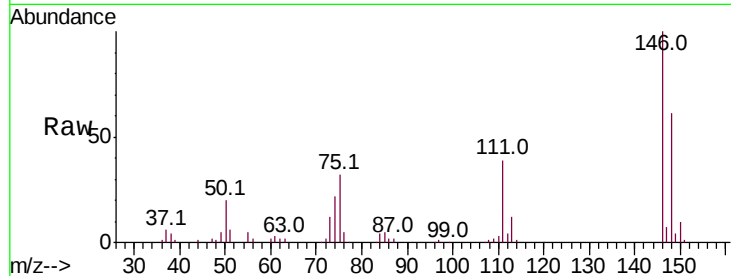
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 56411

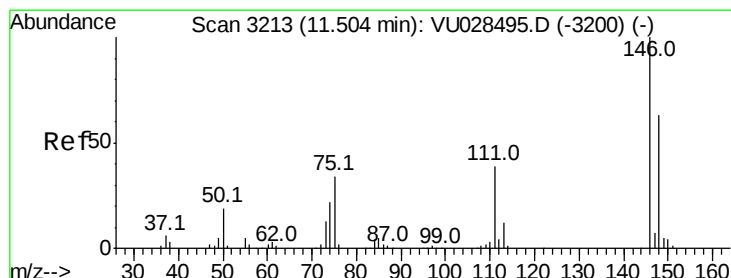
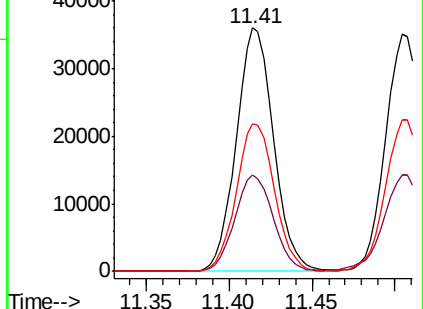
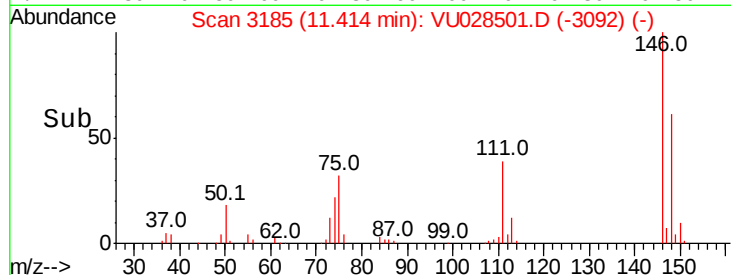
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	61.9	31.9	95.7



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: 17.734 ug/l

RT: 11.50 min Scan# 3213

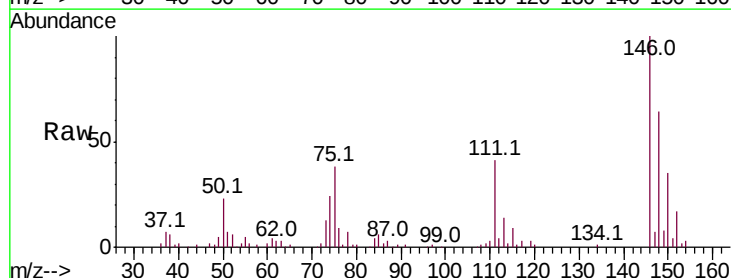
Delta R.T. -0.00 min

Lab File: VU028501.D

Acq: 06 Dec 2018 15:26

Tgt Ion:146 Resp: 55593

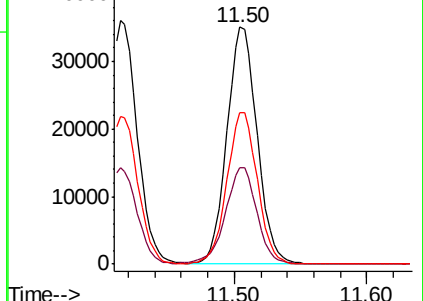
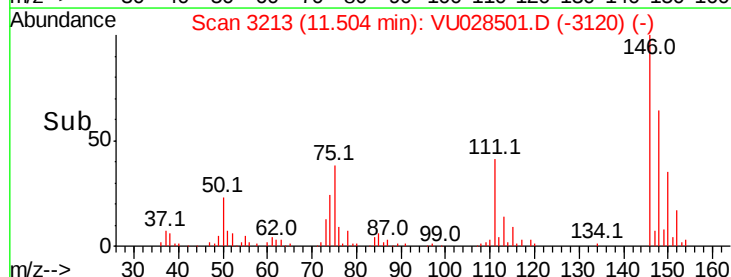
Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.2	60.5
148	64.4	31.6	95.0

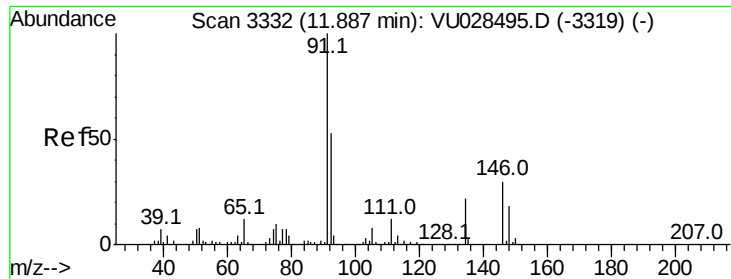


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

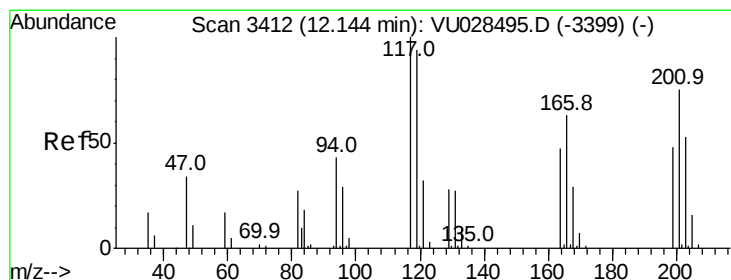
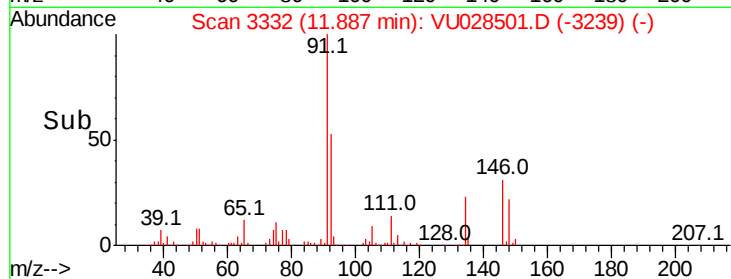
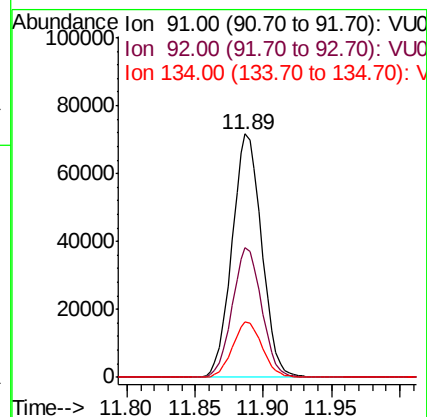
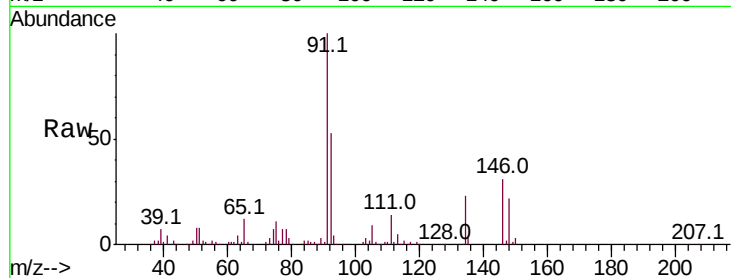




#89
n-Butylbenzene
Concen: 17.910 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

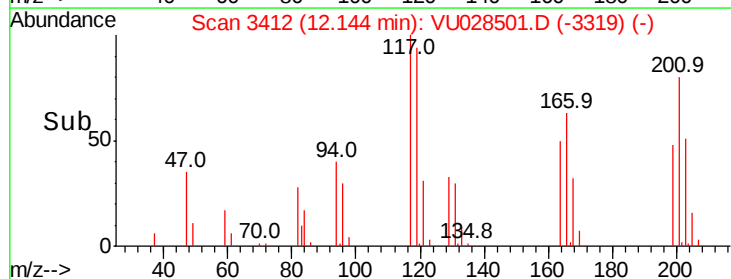
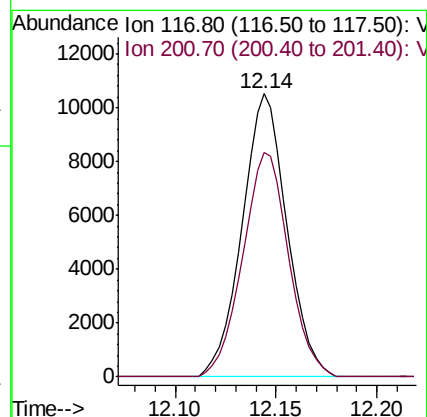
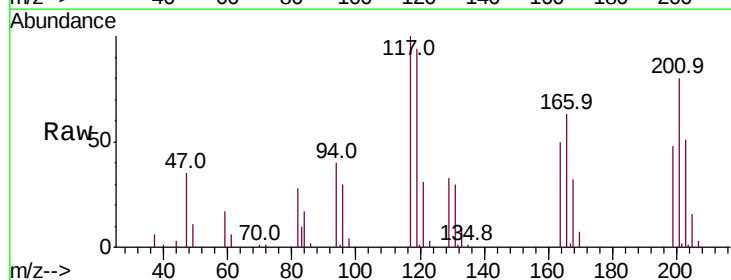
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 108280
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 22.7 11.3 33.8



#90
Hexachloroethane
Concen: 18.094 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion: 117 Resp: 16337
Ion Ratio Lower Upper
117 100
201 81.0 38.1 114.5

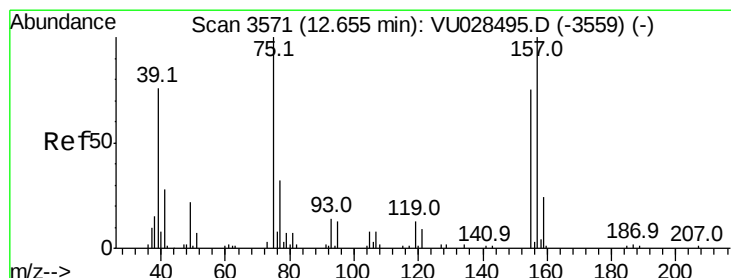
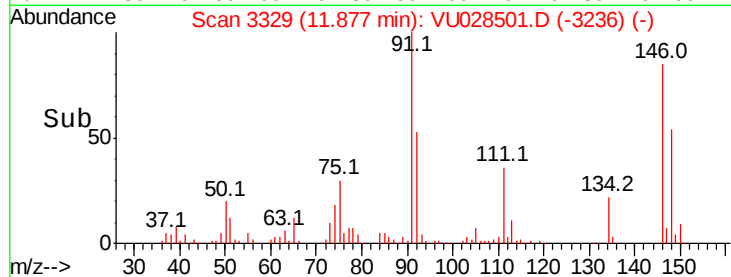
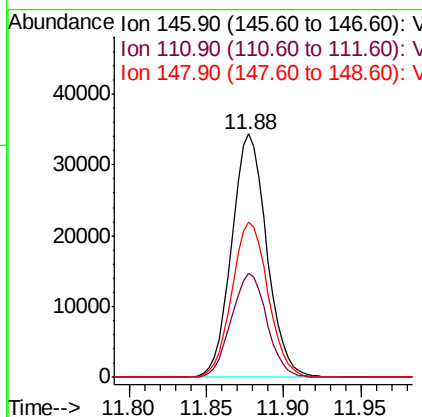
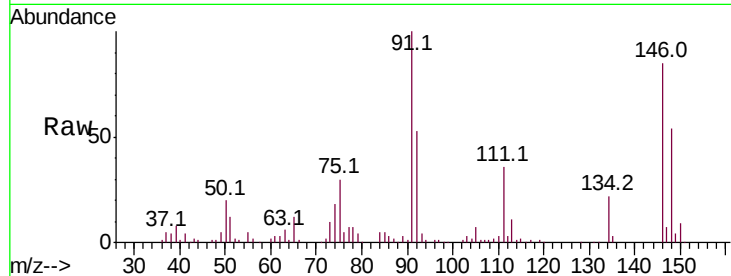




#91
 1,2-Dichlorobenzene
 Concen: 17.792 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

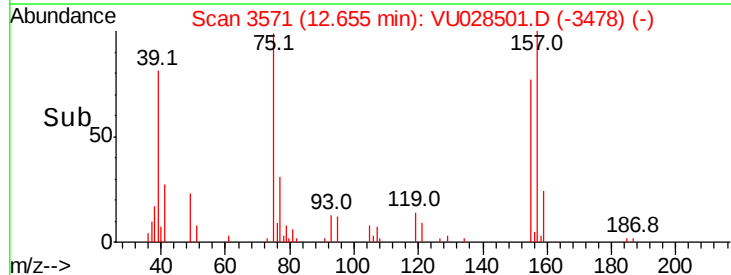
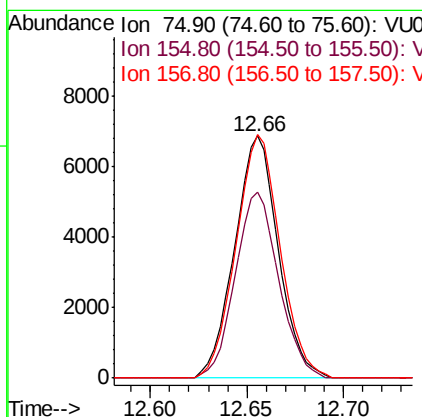
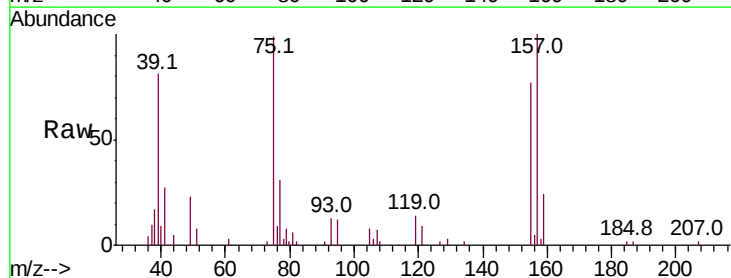
Instrument :
 MSVOA_U
 ClientSampleId :

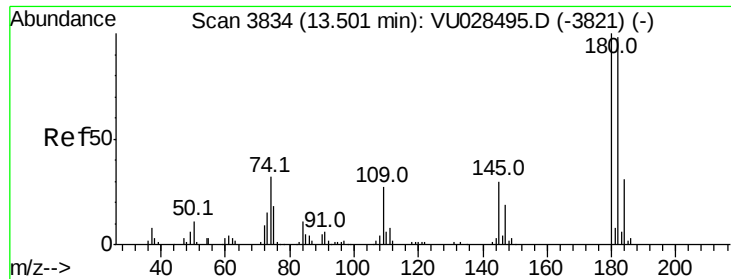
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	65.7	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.842 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	38.1	114.5
157	101.9	48.7	146.1

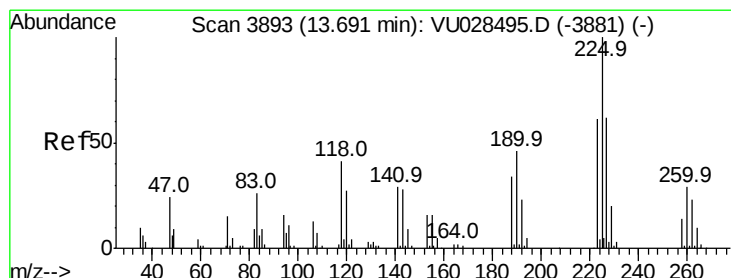
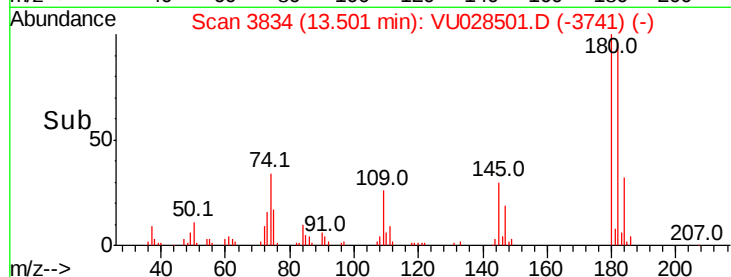
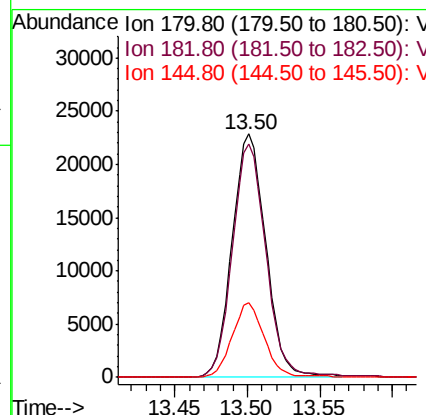
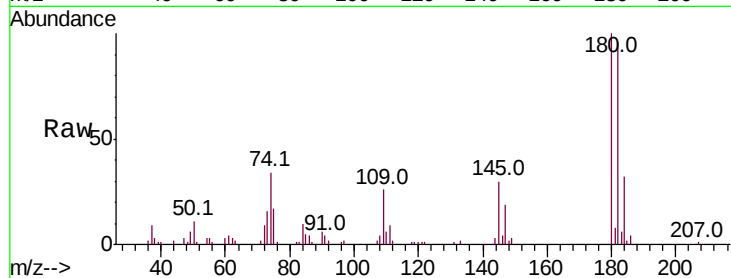




#93
 1,2,4-Trichlorobenzene
 Concen: 18.262 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

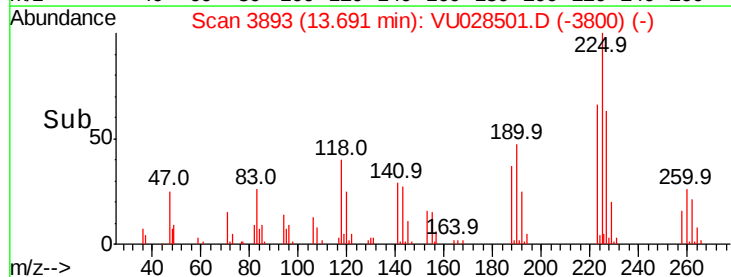
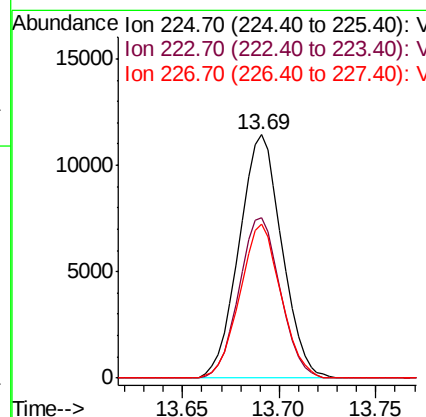
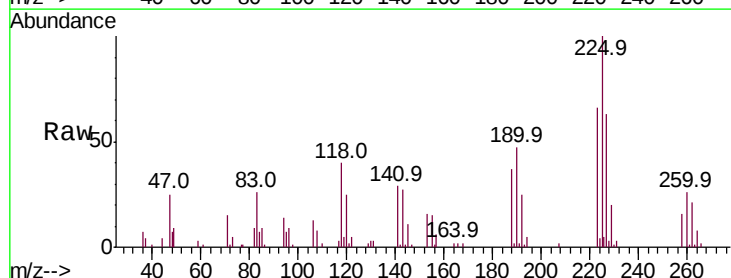
Instrument :
 MSVOA_U
 ClientSampleId :

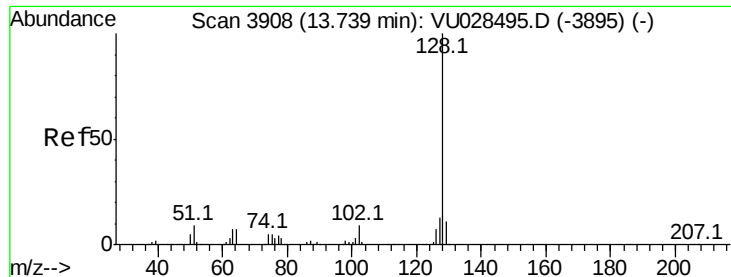
Tot Ion:180 Resp: 36898
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.8
 145 29.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 17.713 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028501.D
 Acq: 06 Dec 2018 15:26

Tgt Ion:225 Resp: 17585
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.4 91.2
 227 60.6 30.7 92.1

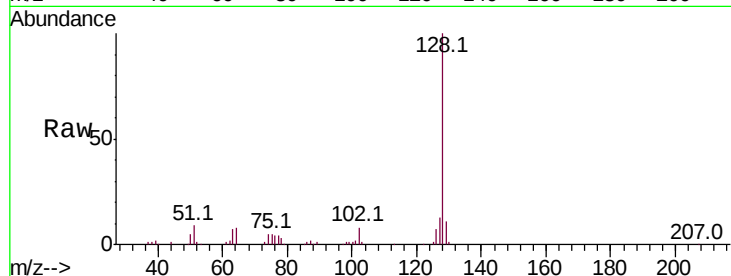




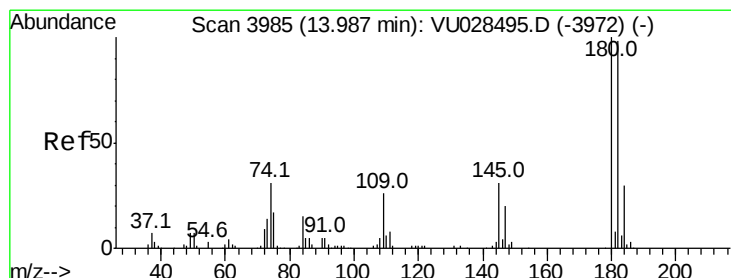
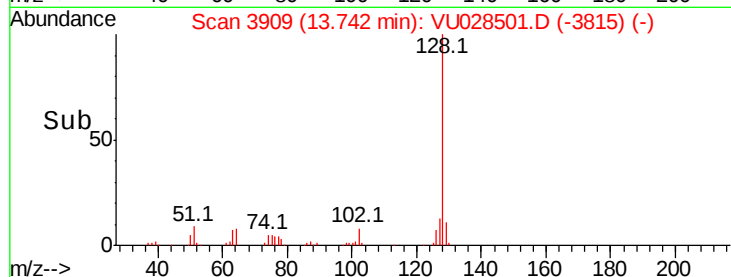
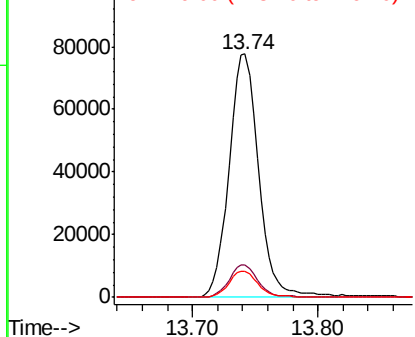
#95
Naphthalene
Concen: 17.546 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 127604
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 13.0

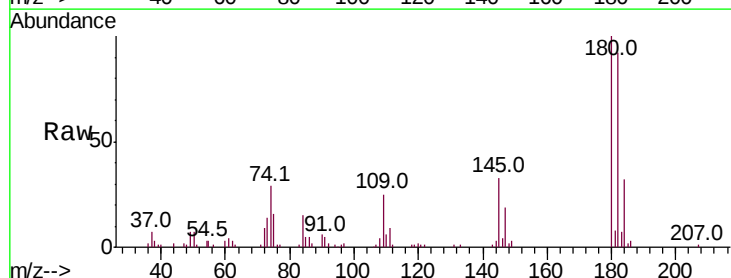


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.322 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028501.D
Acq: 06 Dec 2018 15:26

Tgt Ion:180 Resp: 37784
Ion Ratio Lower Upper
180 100
182 94.2 48.2 144.6
145 31.9 15.8 47.3



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

