

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028717.D
 Acq On : 17 Dec 2018 13:54
 Operator : MD/SY
 Sample : J6411-15MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:06:45 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	74850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	132592	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59965	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	60769	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
35) Dibromofluoromethane	4.88	113	45144	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
50) Toluene-d8	7.56	98	174443	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	10.30	95	66479	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	46747	46.595	ug/l	97
3) Chloromethane	1.33	50	83305	45.165	ug/l	99
4) Vinyl Chloride	1.40	62	63844	47.963	ug/l	99
5) Bromomethane	1.60	94	32118	59.900	ug/l	99
6) Chloroethane	1.68	64	36819	48.860	ug/l	99
7) Trichlorofluoromethane	1.88	101	68524	48.930	ug/l	100
8) Diethyl Ether	2.10	74	32239	49.204	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	38096	45.484	ug/l	99
10) Methyl Iodide	2.41	142	41369	62.947	ug/l	99
11) Tert butyl alcohol	2.83	59	93486	367.345	ug/l	98
12) 1,1-Dichloroethene	2.28	96	39483	47.378	ug/l	96
13) Acrolein	2.19	56	65277	321.755	ug/l	99
14) Allyl chloride	2.59	41	94904	48.139	ug/l	89
15) Acrylonitrile	2.93	53	215245	304.643	ug/l	99
16) Acetone	2.32	43	190389	255.426	ug/l	98
17) Carbon Disulfide	2.47	76	135417	45.106	ug/l	100
18) Methyl Acetate	2.61	43	95654	49.505	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	162779	51.525	ug/l	99
20) Methylene Chloride	2.70	84	53012	48.246	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	44545	47.474	ug/l	99
22) Diisopropyl ether	3.57	45	199298	51.984	ug/l	97
23) Vinyl Acetate	3.52	43	579143	183.139	ug/l	100
24) 1,1-Dichloroethane	3.44	63	99656	49.658	ug/l	99
25) 2-Butanone	4.26	43	308163	302.526	ug/l	98
26) 2,2-Dichloropropane	4.22	77	26387	16.594	ug/l	89
27) cis-1,2-Dichloroethene	4.22	96	53089	49.989	ug/l	92
28) Bromochloromethane	4.55	49	51285	56.214	ug/l	99
29) Tetrahydrofuran	4.64	42	204744	312.966	ug/l	99
30) Chloroform	4.67	83	90588	51.791	ug/l	98
31) Cyclohexane	4.99	56	87417	44.505	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	72786	50.104	ug/l	99
36) 1,1-Dichloropropene	5.13	75	67072	46.227	ug/l	99
37) Ethyl Acetate	4.38	43	81429	43.414	ug/l	100
38) Carbon Tetrachloride	5.13	117	59242	50.658	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	64432	36.400	ug/l	98
40) Benzene	5.39	78	212758	49.787	ug/l	97
41) Methacrylonitrile	4.54	41	59609	58.032	ug/l	99
42) 1,2-Dichloroethane	5.40	62	74435	49.762	ug/l	100
43) Isopropyl Acetate	5.55	43	138670	46.742	ug/l	99
44) Trichloroethene	6.18	130	45077	47.441	ug/l	99
45) 1,2-Dichloropropane	6.43	63	62734	52.205	ug/l	97
46) Dibromomethane	6.56	93	36557	51.272	ug/l	97
47) Bromodichloromethane	6.76	83	72341	52.139	ug/l	97
48) Methyl methacrylate	6.62	41	81254	55.075	ug/l	98
49) 1,4-Dioxane	6.61	88	30081	1291.299	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	582824	311.484	ug/l	99
52) Toluene	7.64	92	123647	49.165	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70171	42.465	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	75011	41.841	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	56926	57.262	ug/l	98
56) Ethyl methacrylate	8.02	69	92367	54.257	ug/l	99
57) 1,3-Dichloropropane	8.24	76	94358	51.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	425	0.487	ug/l #	54
59) 2-Hexanone	8.36	43	470691	317.378	ug/l	100
60) Dibromochloromethane	8.48	129	52796	54.243	ug/l	98
61) 1,2-Dibromoethane	8.58	107	54835	52.599	ug/l	97
64) Tetrachloroethene	8.22	164	36142	43.350	ug/l	100
65) Chlorobenzene	9.12	112	132006	49.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45836	53.892	ug/l	98
67) Ethyl Benzene	9.25	91	261716	53.452	ug/l	99
68) m/p-Xylenes	9.37	106	204965	115.045	ug/l	99
69) o-Xylene	9.78	106	88136	50.905	ug/l	99
70) Styrene	9.79	104	143276	50.004	ug/l	99
71) Bromoform	9.96	173	42920	59.320	ug/l #	98
73) Isopropylbenzene	10.17	105	1230822	267.493	ug/l	100
74) N-amyl acetate	10.01	43	115495	43.514	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	109839	62.141	ug/l	96
76) 1,2,3-Trichloropropane	10.49	75	106461	69.527	ug/l	85
77) Bromobenzene	10.45	156	55797	51.849	ug/l	98
78) n-propylbenzene	10.59	91	2589726	452.941	ug/l	100
79) 2-Chlorotoluene	10.66	91	144970	44.018	ug/l	91
80) 1,3,5-Trimethylbenzene	10.77	105	180600	47.416	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	107885	171.940	ug/l #	100
82) 4-Chlorotoluene	10.77	91	185418	47.509	ug/l	99
83) tert-Butylbenzene	11.10	119	254475	69.317	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2317490	590.394	ug/l	99
85) sec-Butylbenzene	11.32	105	676054	143.344	ug/l	98
86) p-Isopropyltoluene	11.48	119	198289	49.494	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	96904	47.688	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	100375	47.744	ug/l	100
89) n-Butylbenzene	11.89	91	403331	99.475	ug/l	90
90) Hexachloroethane	12.14	117	42414	70.043	ug/l	74
91) 1,2-Dichlorobenzene	11.88	146	103248	50.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27804	72.657	ug/l	92

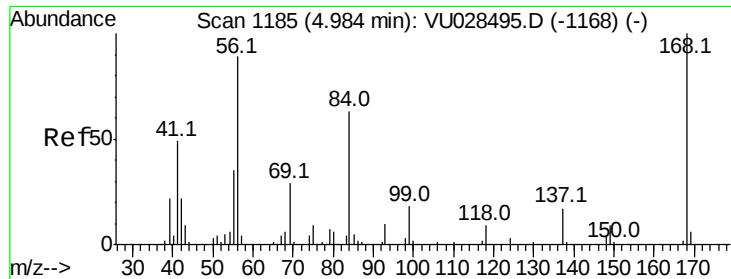
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	64553	46.281	ug/l	96
94) Hexachlorobutadiene	13.69	225	13089	19.659	ug/l	97
95) Naphthalene	13.74	128	280601	57.530	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	66995	48.200	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

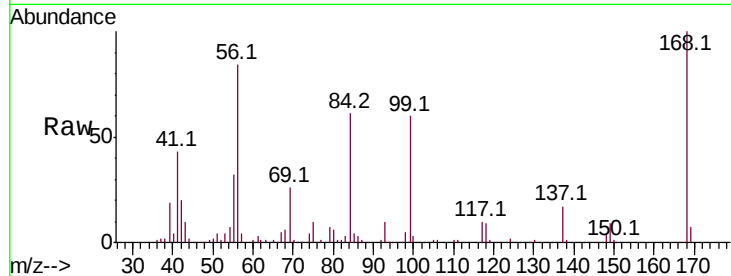
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 74850

Ion Ratio Lower Upper

168 100

99 60.2 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

30000

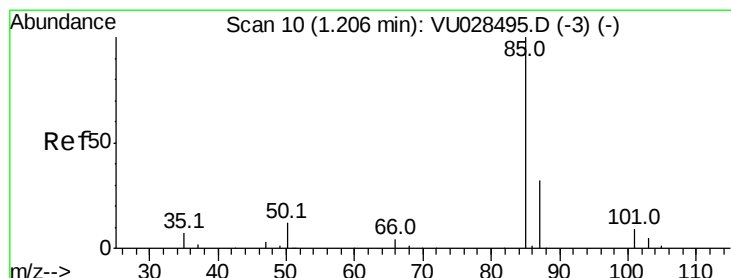
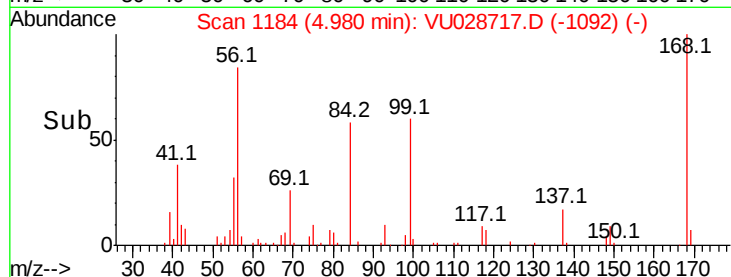
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.595 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028717.D

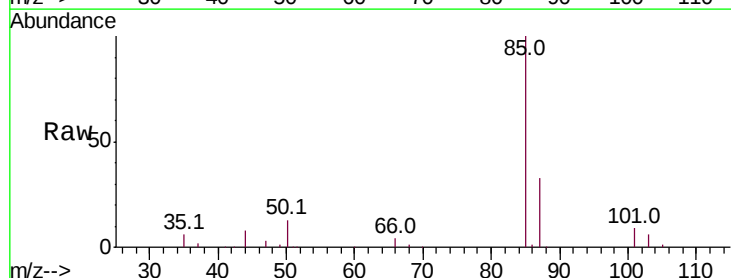
Acq: 17 Dec 2018 13:54

Tgt Ion: 85 Resp: 46747

Ion Ratio Lower Upper

85 100

87 33.2 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

50000

40000

30000

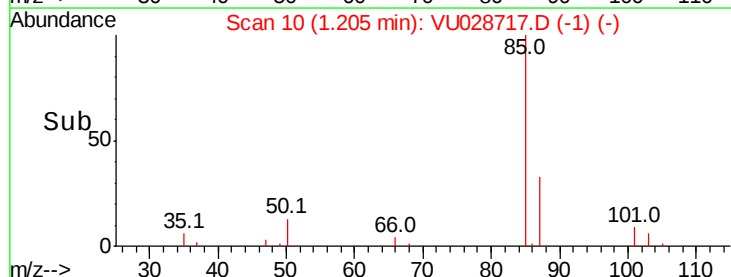
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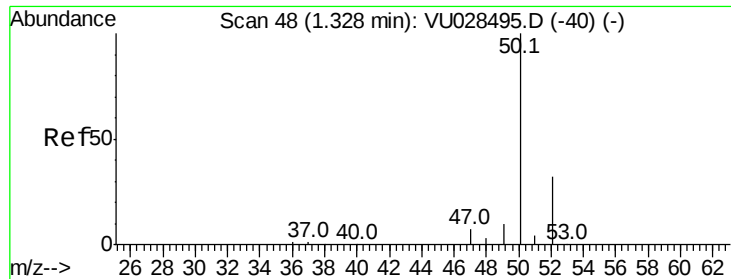
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.165 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

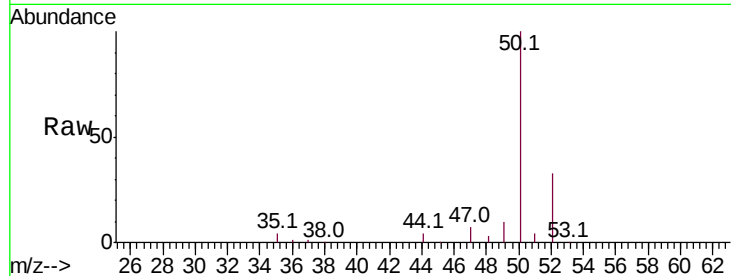
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 83305

Ion Ratio Lower Upper

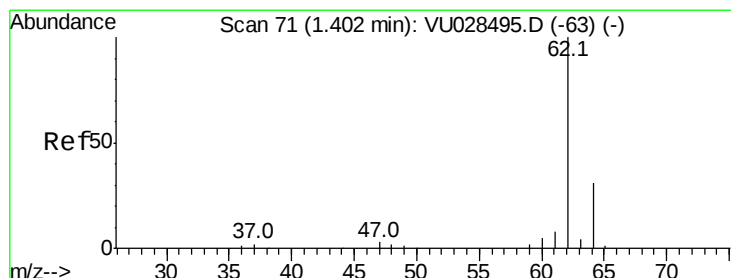
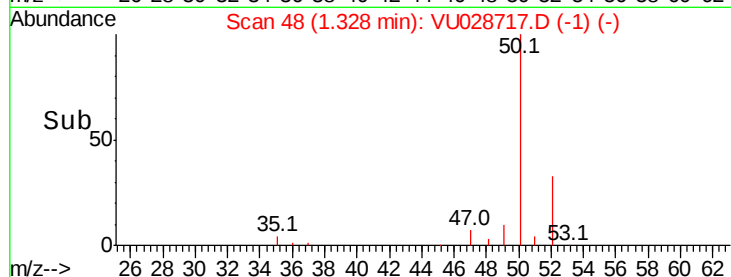
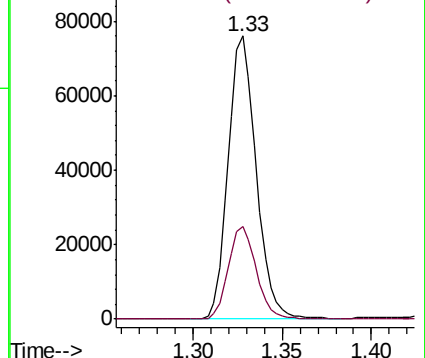
50 100

52 32.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.963 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028717.D

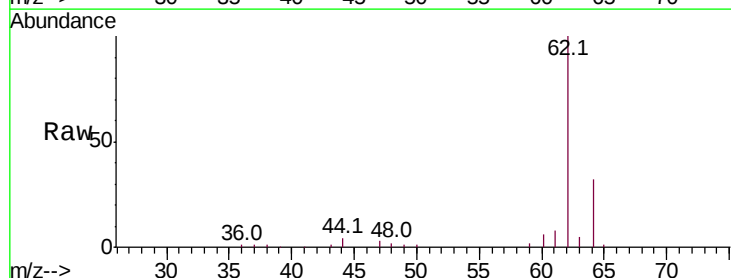
Acq: 17 Dec 2018 13:54

Tgt Ion: 62 Resp: 63844

Ion Ratio Lower Upper

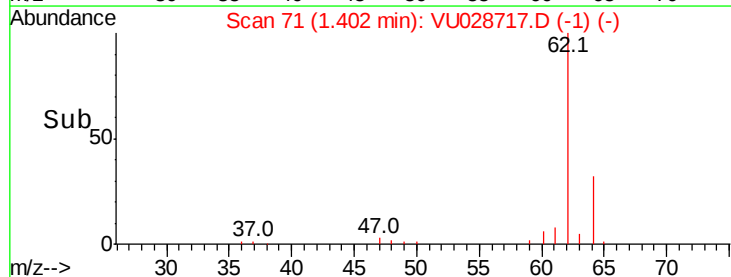
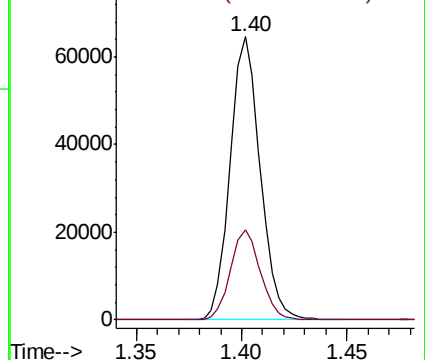
62 100

64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 59.900 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

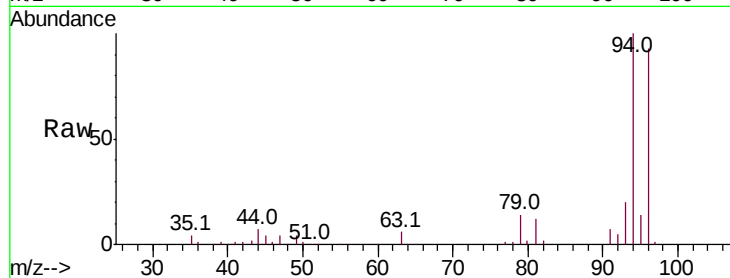
ClientSampleId :

Tot Ion: 94 Resp: 32118

Ion Ratio Lower Upper

94 100

96 92.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

40000

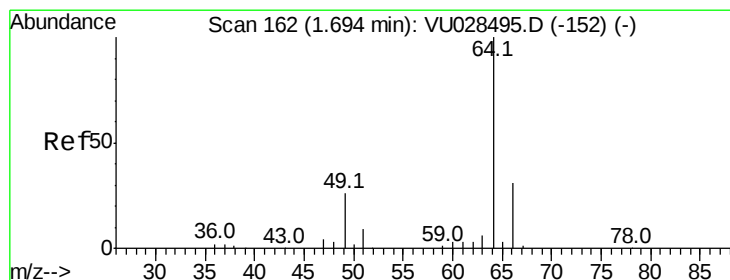
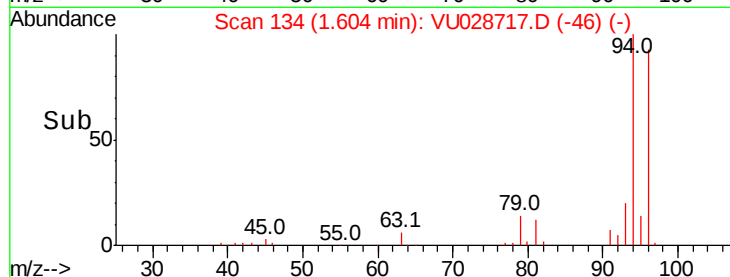
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 48.860 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028717.D

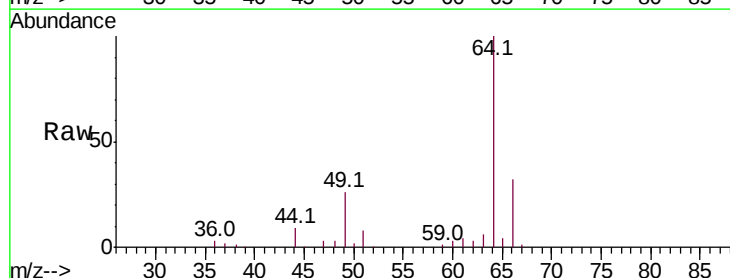
Acq: 17 Dec 2018 13:54

Tgt Ion: 64 Resp: 36819

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

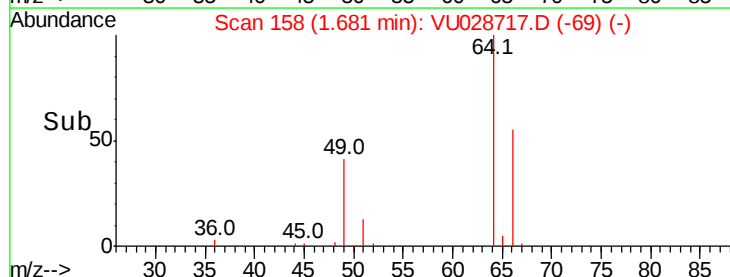
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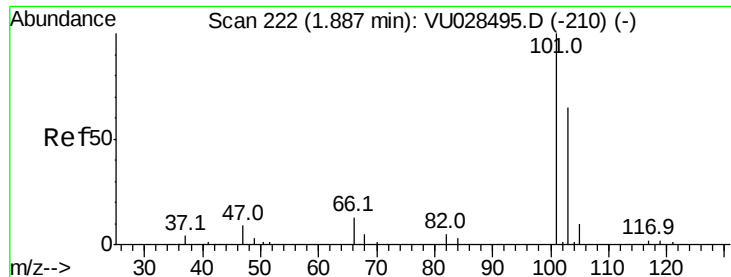
20000

10000

0

Time--> 1.65 1.70



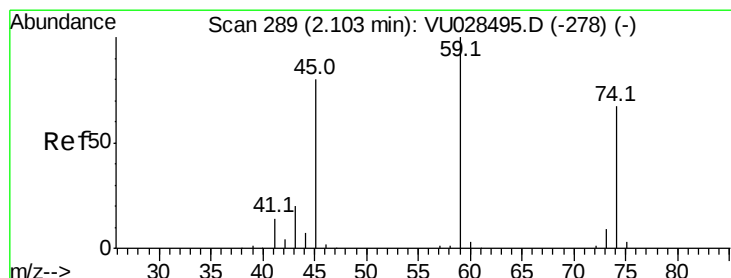
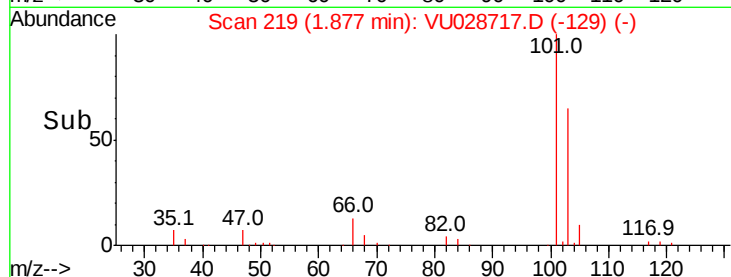
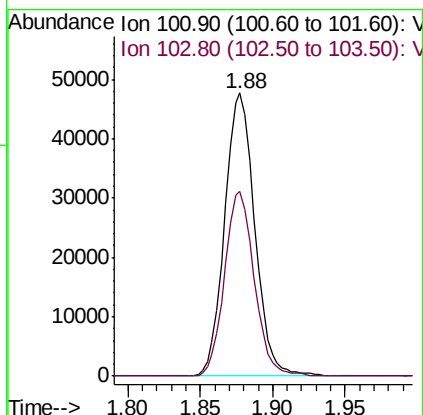
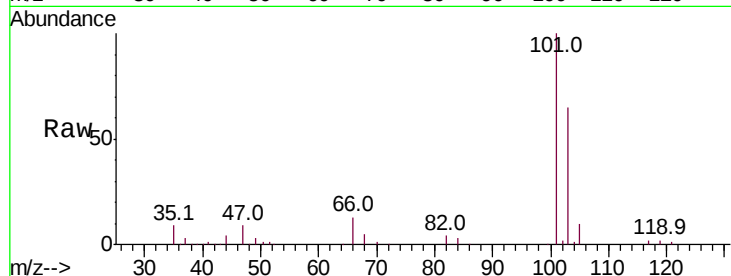


#7

Trichlorofluoromethane
Concen: 48.930 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

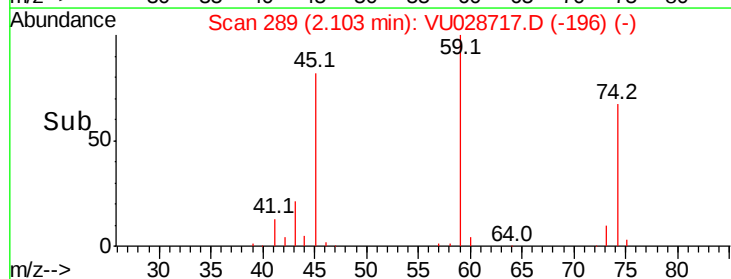
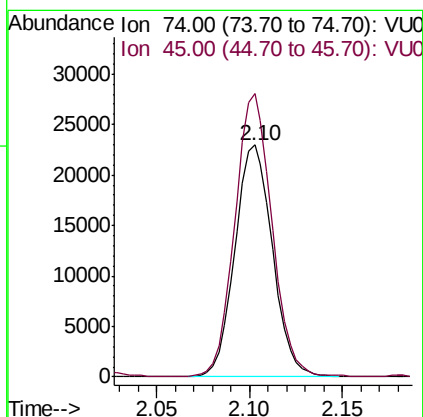
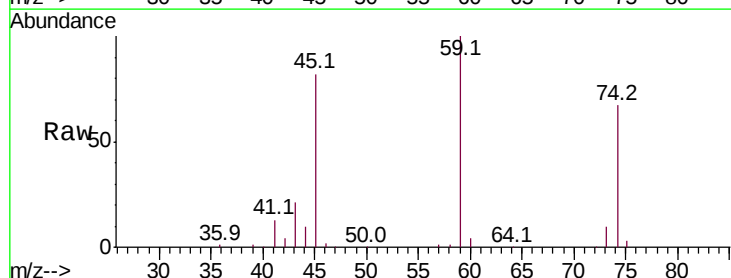
Tot Ion:101 Resp: 68524
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5



#8

Diethyl Ether
Concen: 49.204 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 74 Resp: 32239
Ion Ratio Lower Upper
74 100
45 121.1 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.484 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

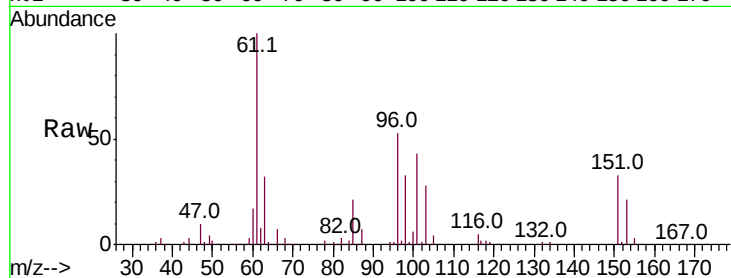
Tot Ion:101 Resp: 38096

Ion Ratio Lower Upper

101 100

85 46.2 36.4 54.6

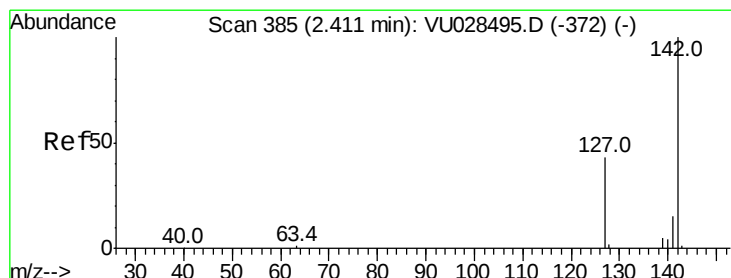
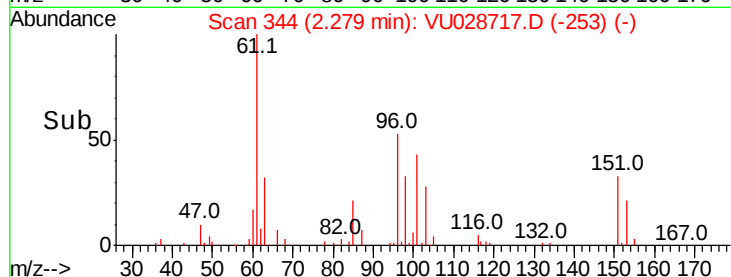
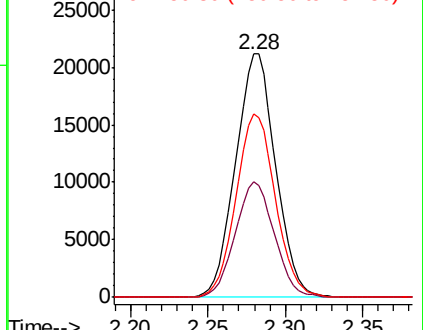
151 73.9 58.2 87.2



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: 62.947 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

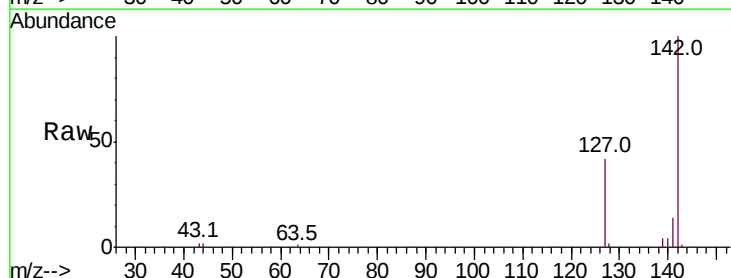
Tgt Ion:142 Resp: 41369

Ion Ratio Lower Upper

142 100

127 42.5 33.5 50.3

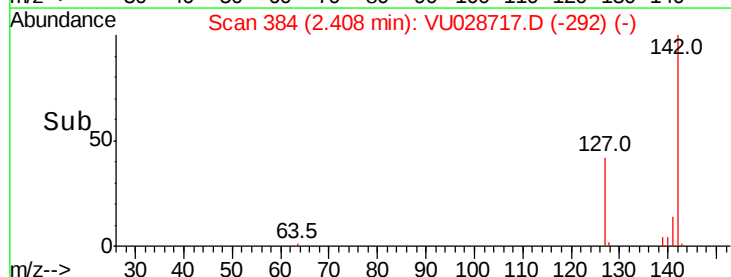
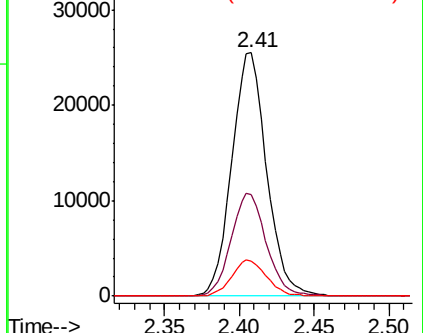
141 14.7 11.2 16.8

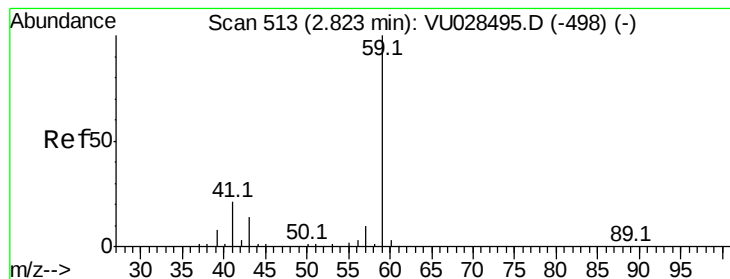


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



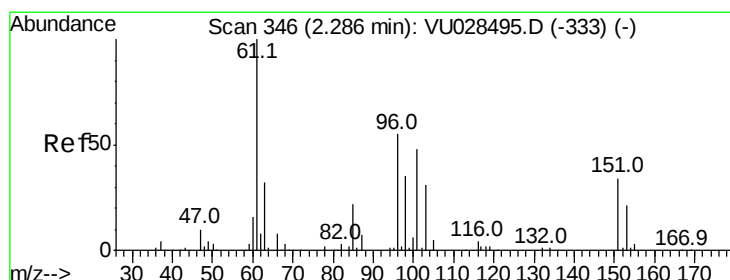
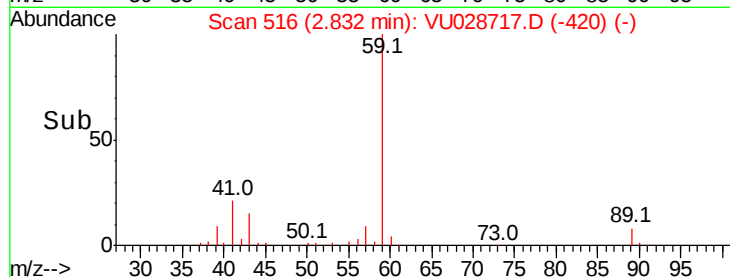
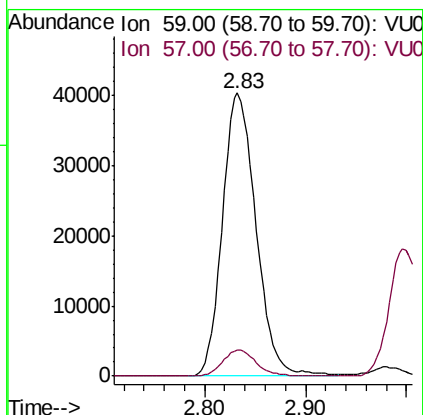
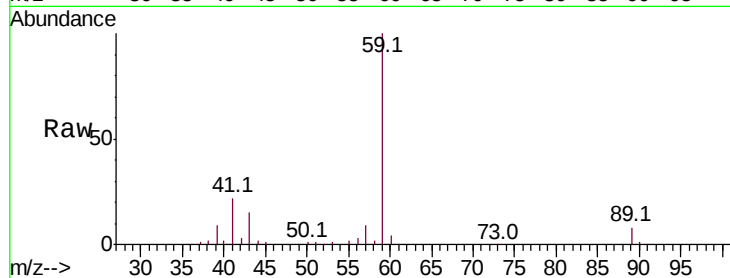


#11

Tert butyl alcohol
 Concen: 367.345 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampled :

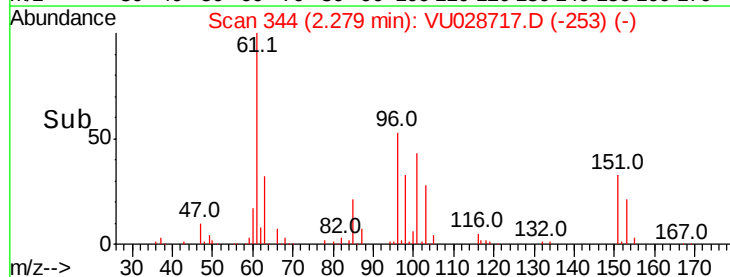
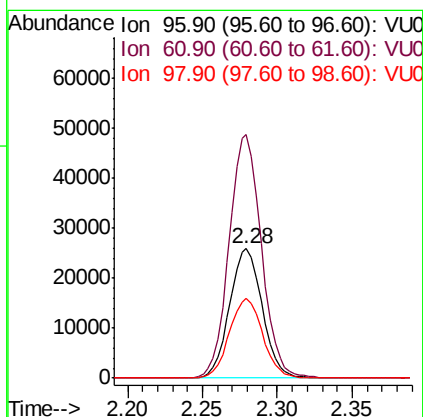
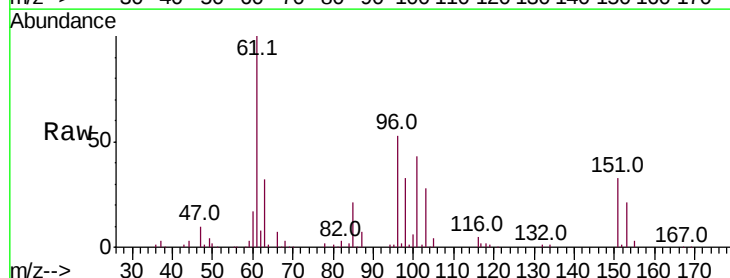
Tot Ion: 59 Resp: 93486
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.0 12.0

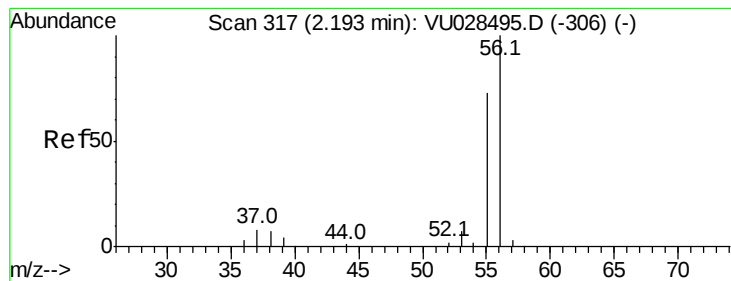


#12

1,1-Dichloroethene
 Concen: 47.378 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 96 Resp: 39483
 Ion Ratio Lower Upper
 96 100
 61 187.9 146.4 219.6
 98 61.3 51.8 77.8





#13

Acrolein

Concen: 321.755 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

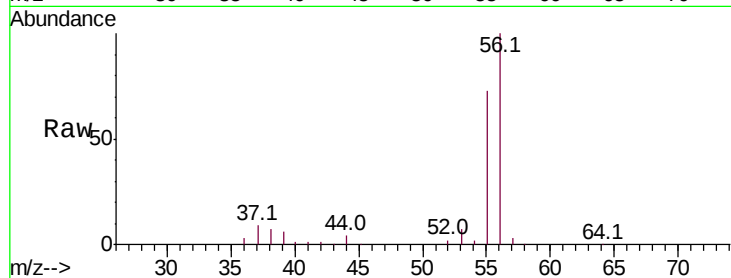
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 65277

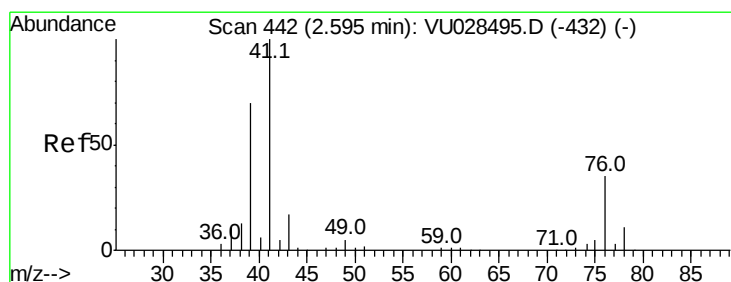
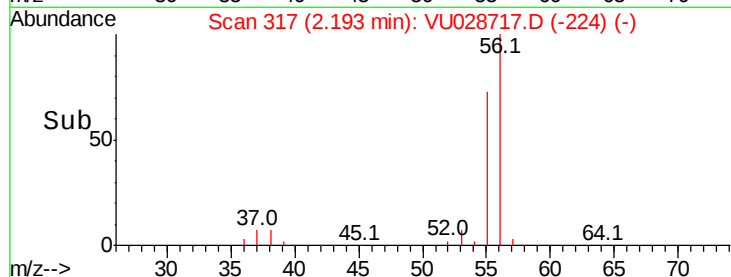
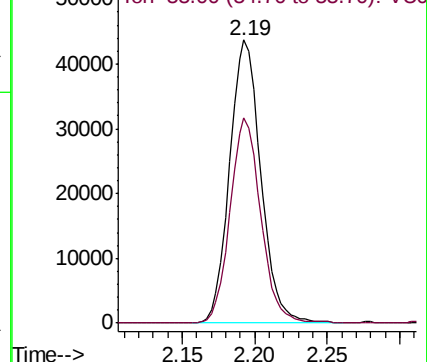
Ion Ratio Lower Upper

56 100

55 71.3 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 48.139 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

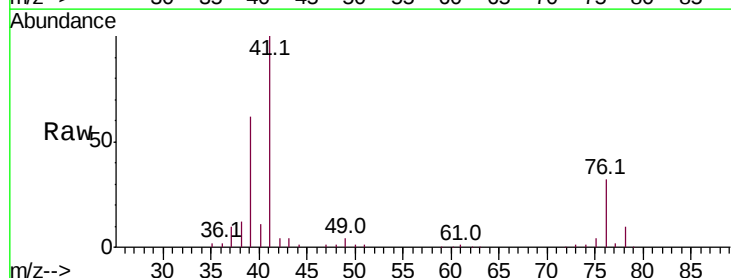
Tgt Ion: 41 Resp: 94904

Ion Ratio Lower Upper

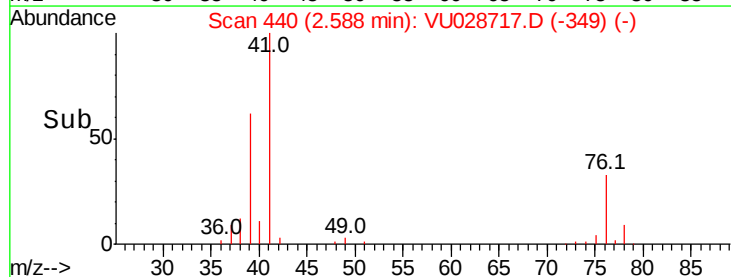
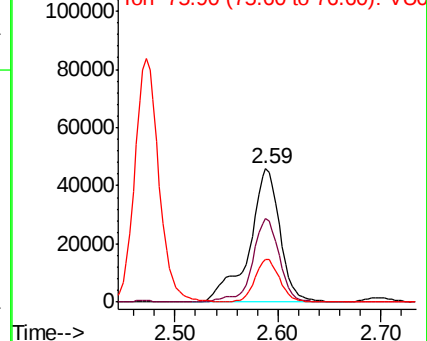
41 100

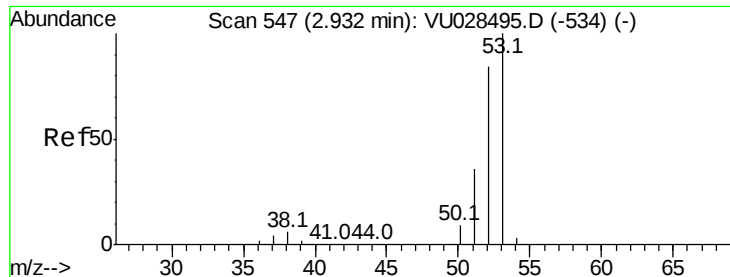
39 54.5 50.8 76.2

76 26.0 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 304.643 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampled :

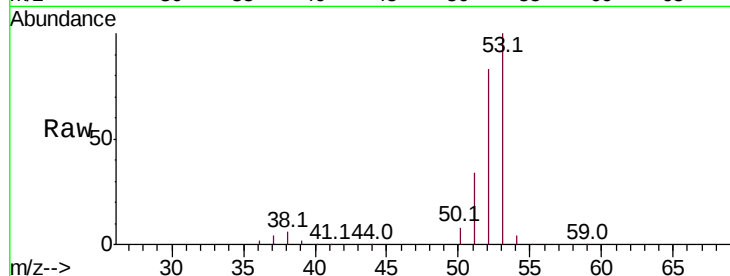
Tot Ion: 53 Resp: 215245

Ion Ratio Lower Upper

53 100

52 81.7 66.1 99.1

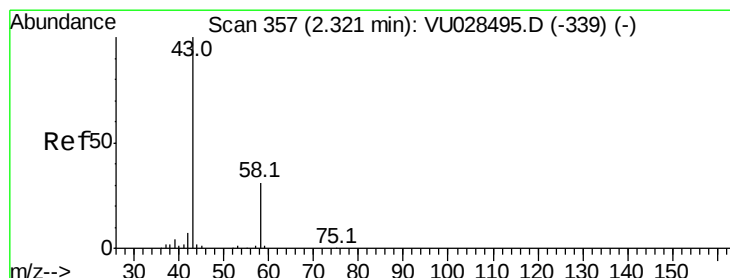
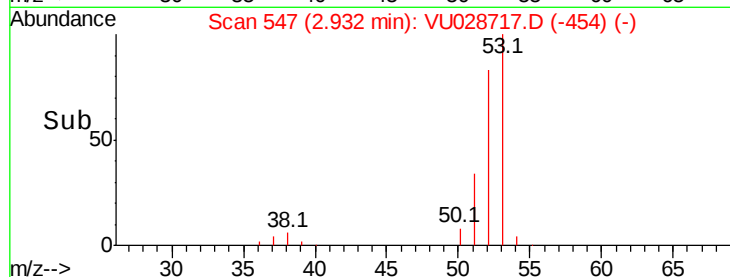
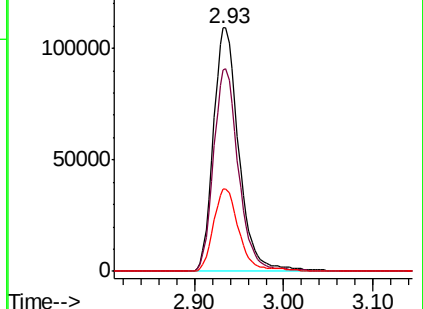
51 34.5 28.1 42.1



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: 255.426 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028717.D

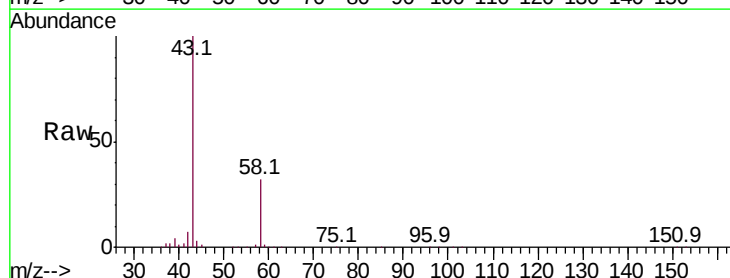
Acq: 17 Dec 2018 13:54

Tgt Ion: 43 Resp: 190389

Ion Ratio Lower Upper

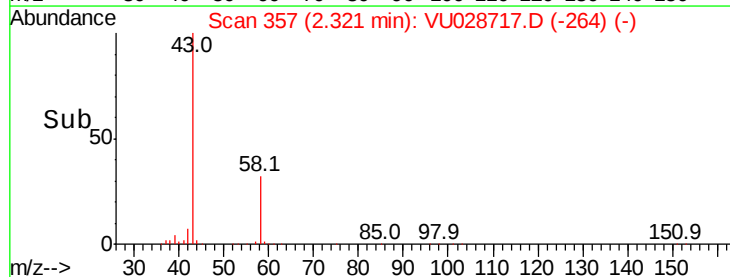
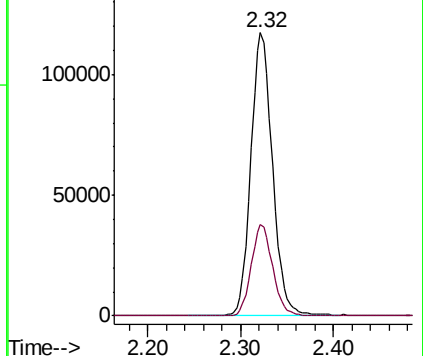
43 100

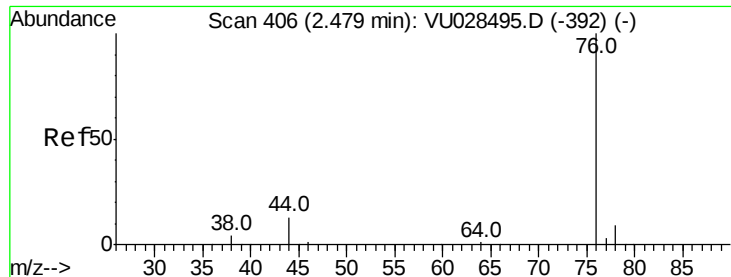
58 32.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

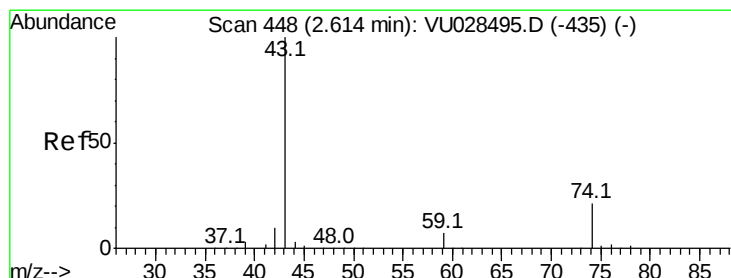
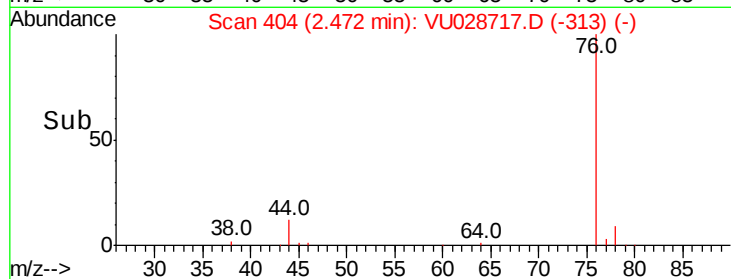
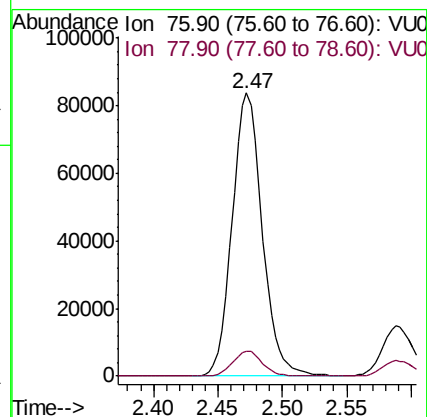
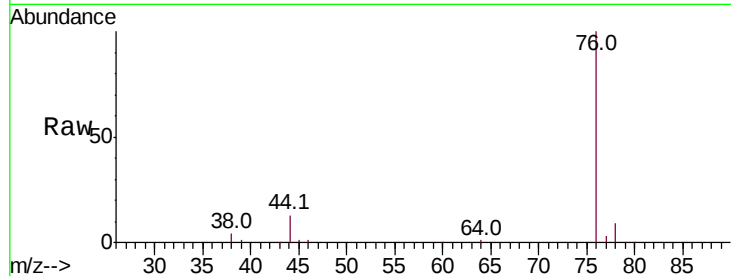




#17
Carbon Disulfide
Concen: 45.106 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

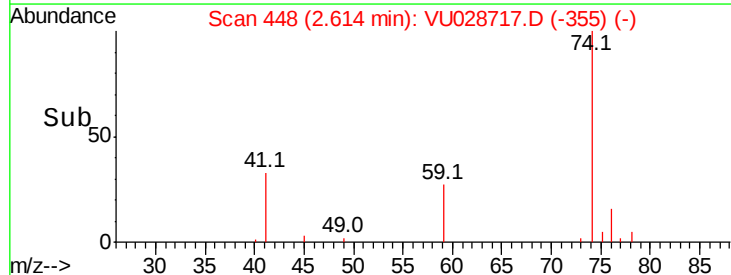
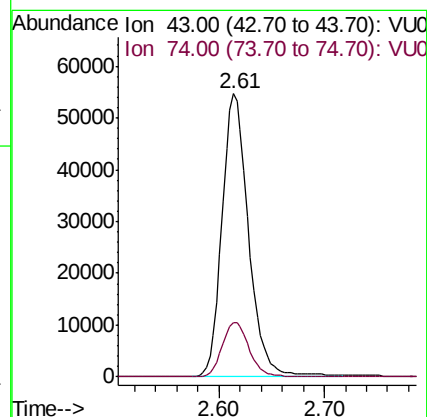
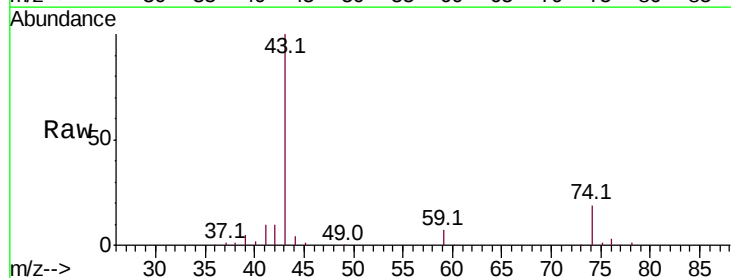
Instrument :
MSVOA_U
ClientSampleId :

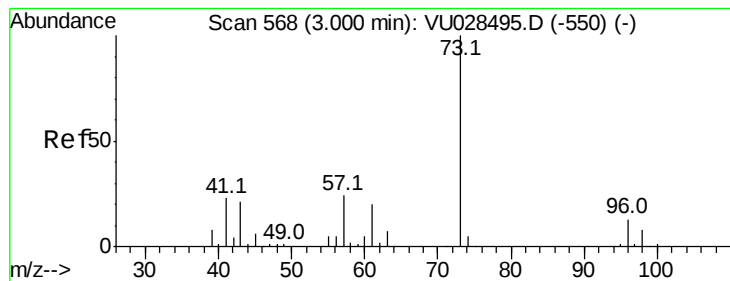
Tot Ion: 76 Resp: 135417
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 49.505 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 43 Resp: 95654
Ion Ratio Lower Upper
43 100
74 19.6 16.4 24.6



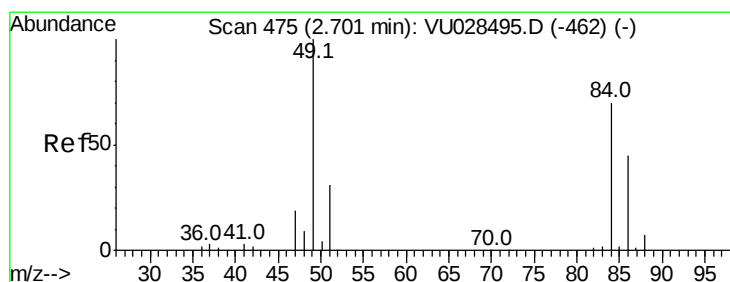
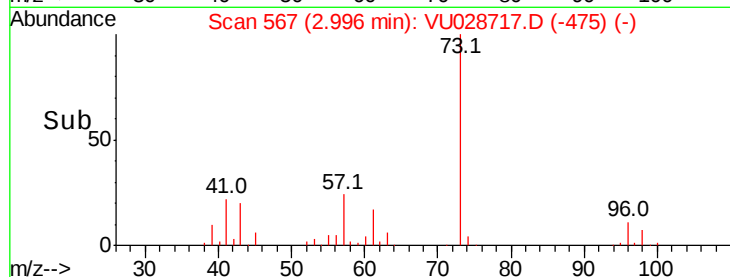
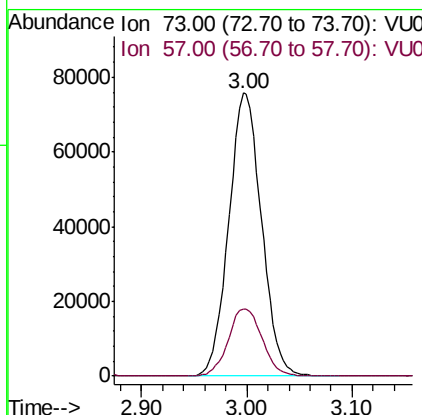
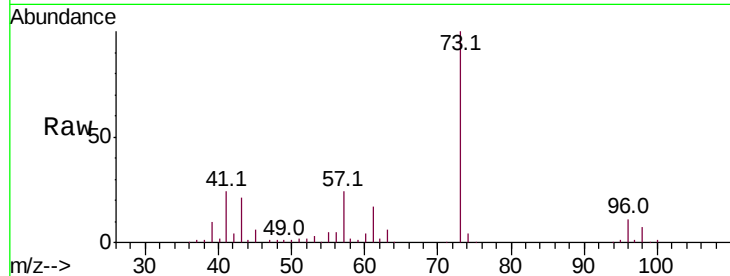


#19

Methyl tert-butyl Ether
 Concen: 51.525 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampled :

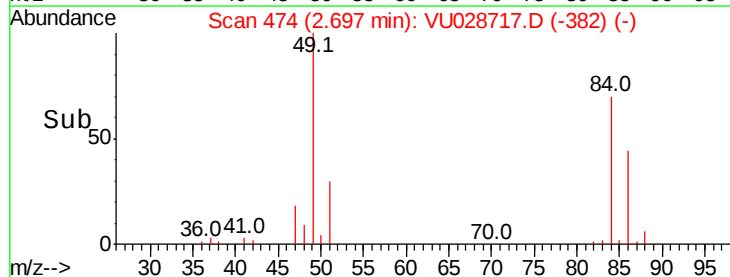
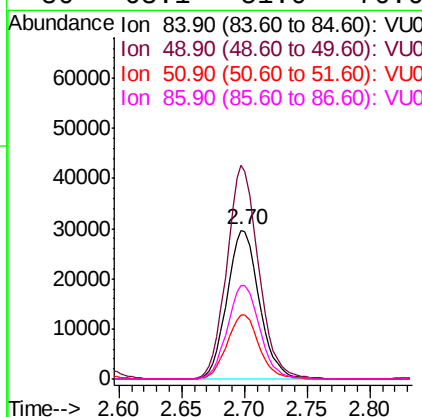
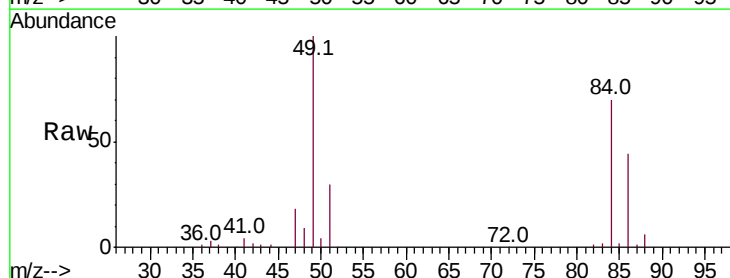
Tot Ion: 73 Resp: 162779
 Ion Ratio Lower Upper
 73 100
 57 23.9 19.4 29.2

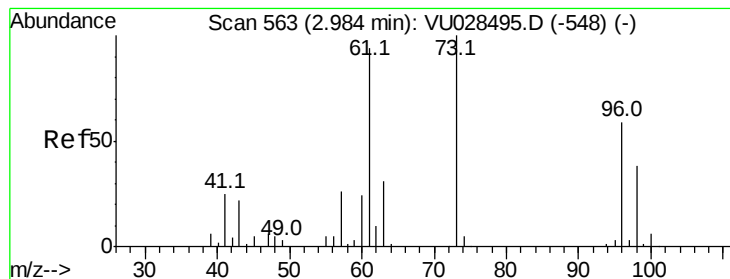


#20

Methylene Chloride
 Concen: 48.246 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 84 Resp: 53012
 Ion Ratio Lower Upper
 84 100
 49 143.4 114.0 171.0
 51 42.6 35.1 52.7
 86 63.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.474 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

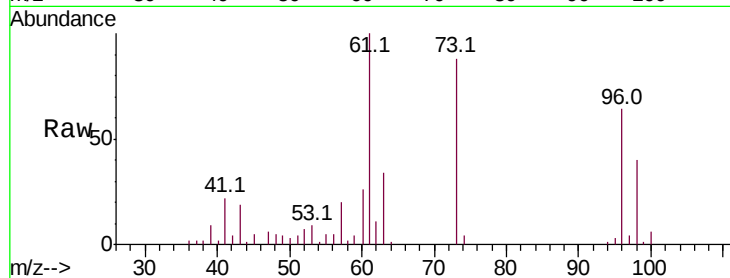
Tot Ion: 96 Resp: 44545

Ion Ratio Lower Upper

96 100

61 157.4 127.0 190.4

98 62.8 51.9 77.9

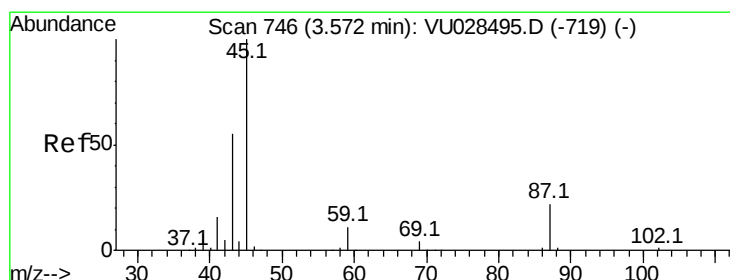
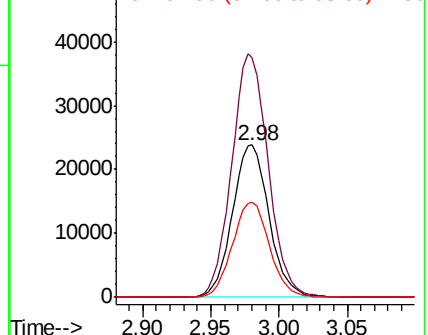
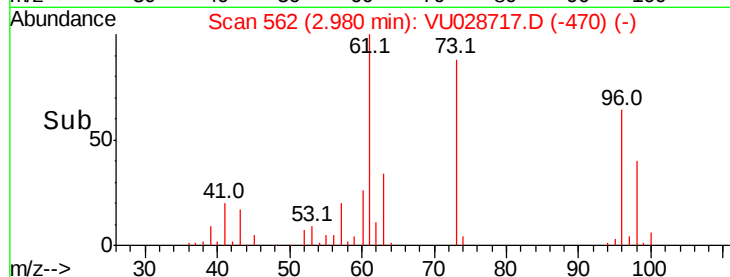


Abundance

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: 51.984 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion: 45 Resp: 199298

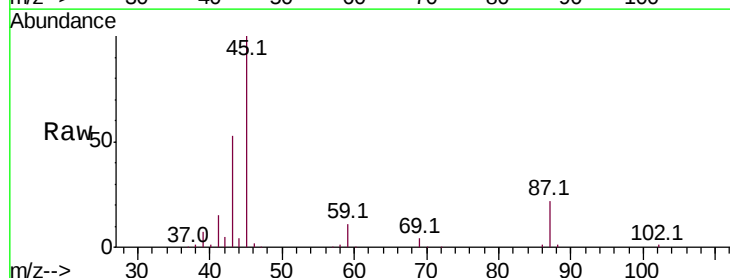
Ion Ratio Lower Upper

45 100

43 52.9 45.3 67.9

87 22.4 17.6 26.4

59 10.7 8.8 13.2



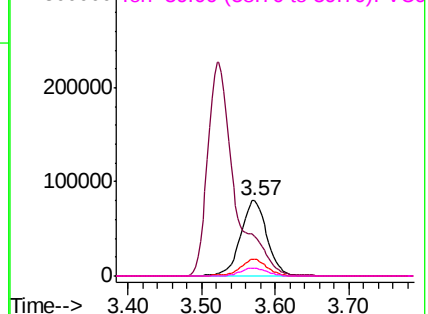
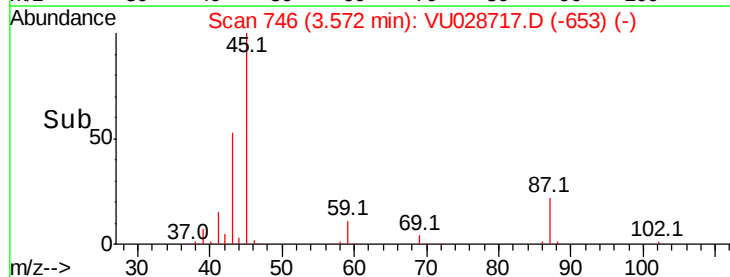
Abundance

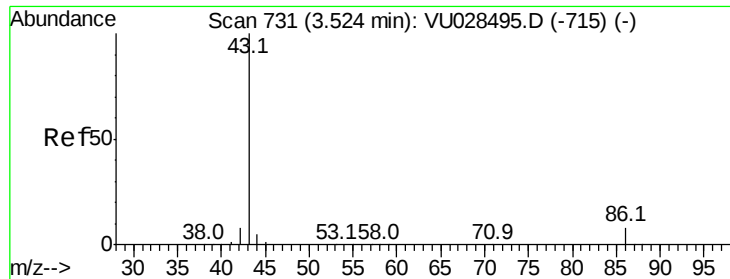
Ion 45.00 (44.70 to 45.70): VU0

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: 183.139 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

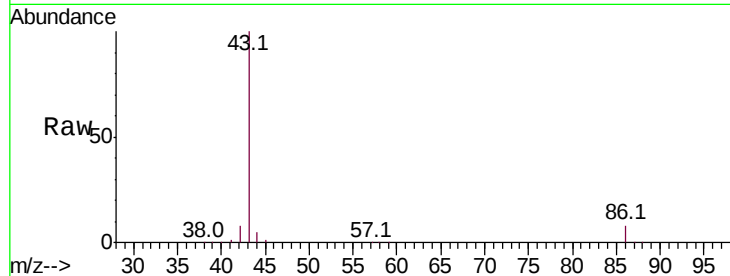
ClientSampled :

Tot Ion: 43 Resp: 579143

Ion Ratio Lower Upper

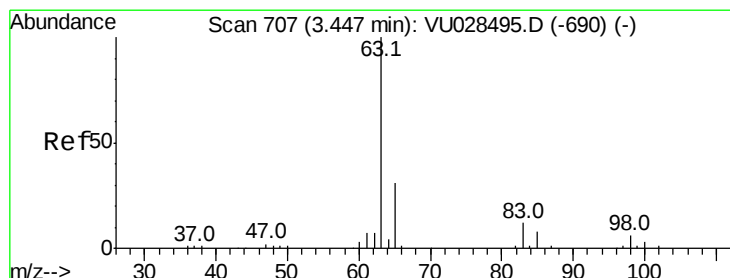
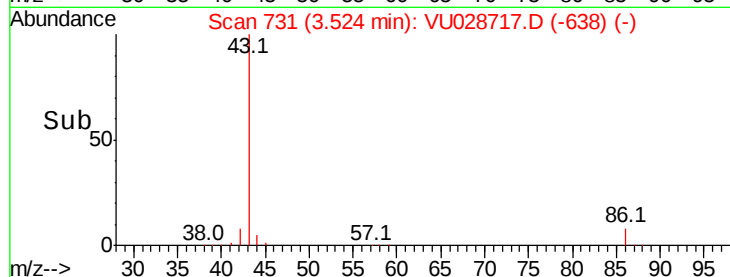
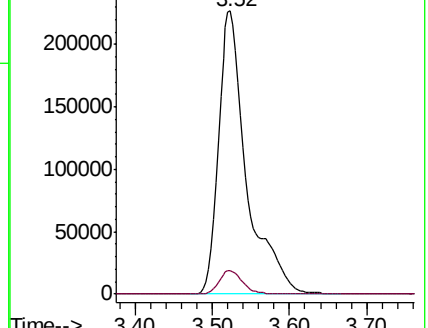
43 100

86 8.4 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028717.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028717.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 49.658 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

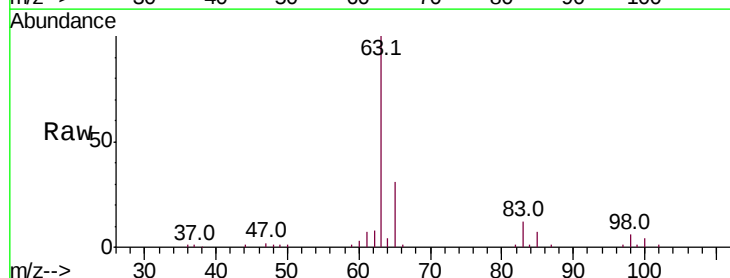
Tgt Ion: 63 Resp: 99656

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

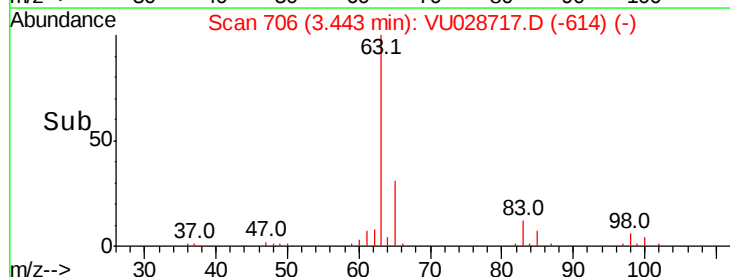
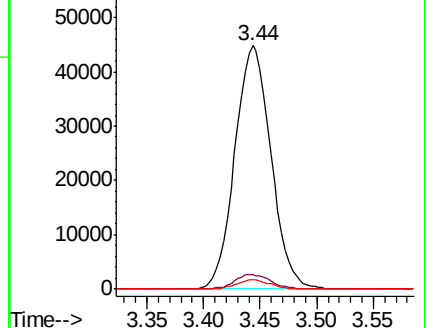
100 3.9 1.7 5.1

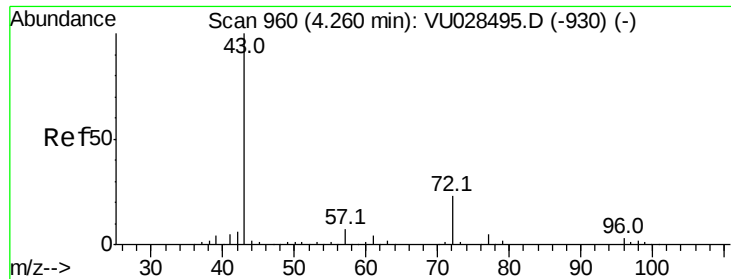


Abundance Ion 62.90 (62.60 to 63.60): VU028717.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028717.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028717.D (-614) (-)





#25

2-Butanone

Concen: 302.526 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

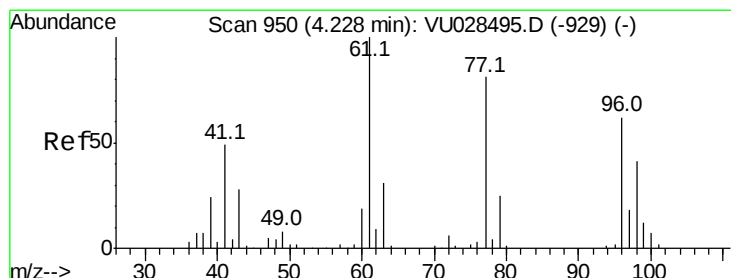
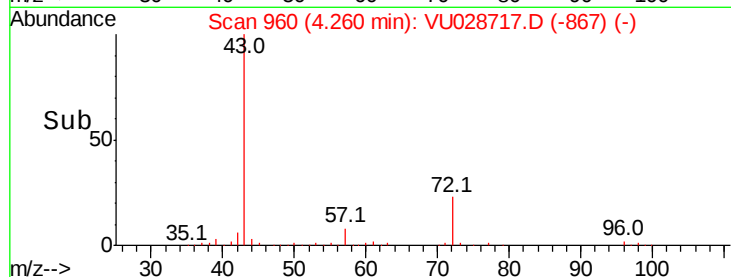
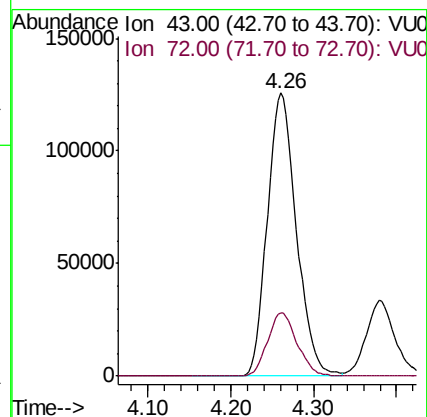
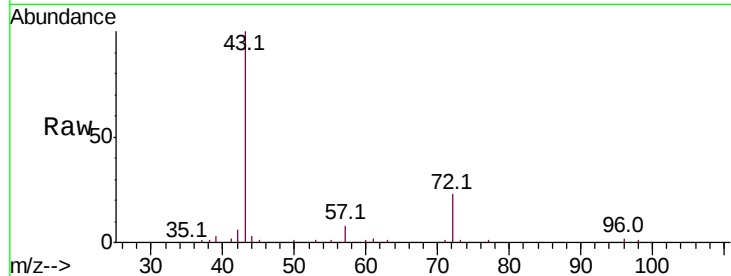
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 308163

Ion Ratio Lower Upper

43 100

72 22.5 18.6 28.0



#26

2,2-Dichloropropane

Concen: 16.594 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028717.D

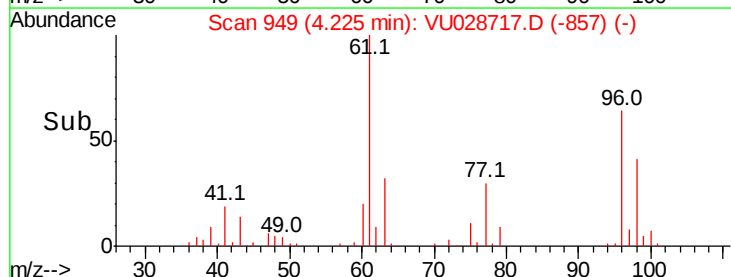
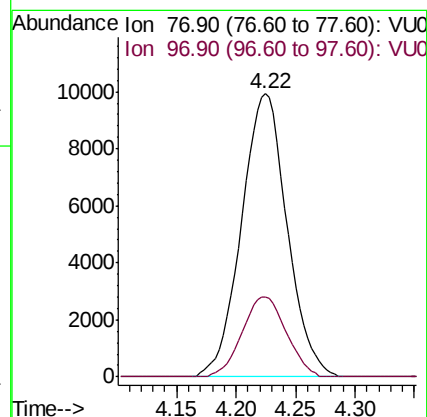
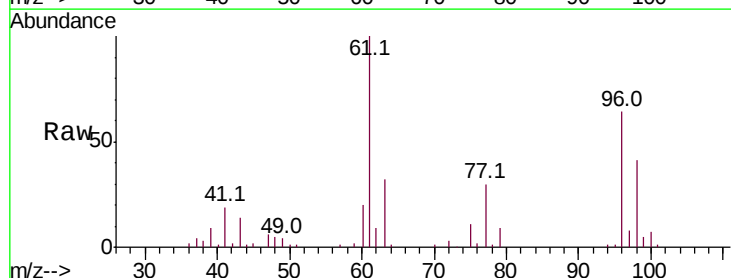
Acq: 17 Dec 2018 13:54

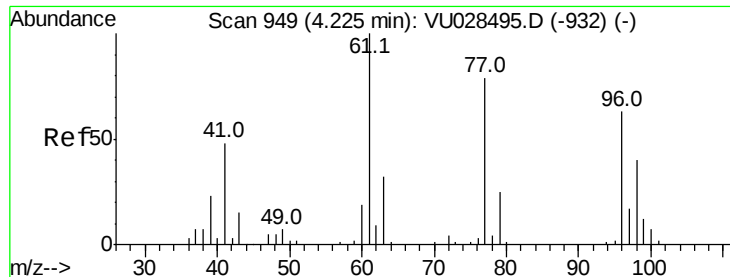
Tgt Ion: 77 Resp: 26387

Ion Ratio Lower Upper

77 100

97 27.4 11.0 33.0



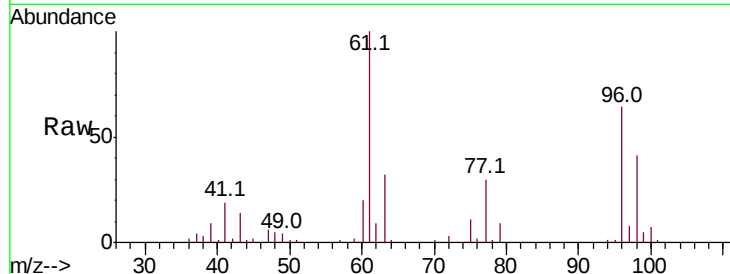


#27

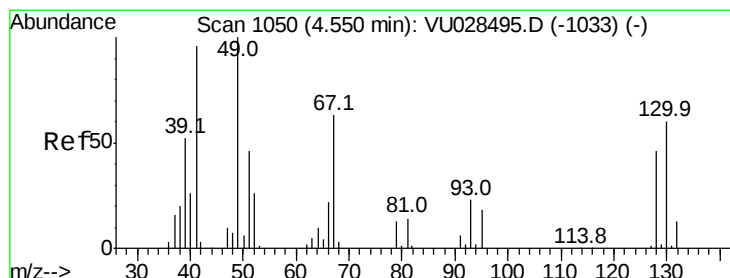
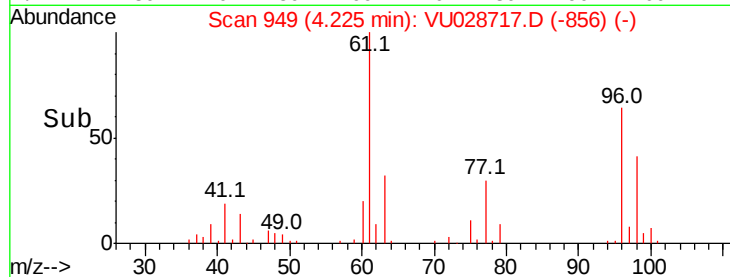
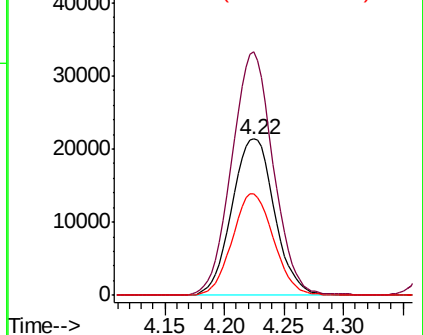
cis-1,2-Dichloroethene
Concen: 49.989 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	332.4
98	62.7	0.0	129.0



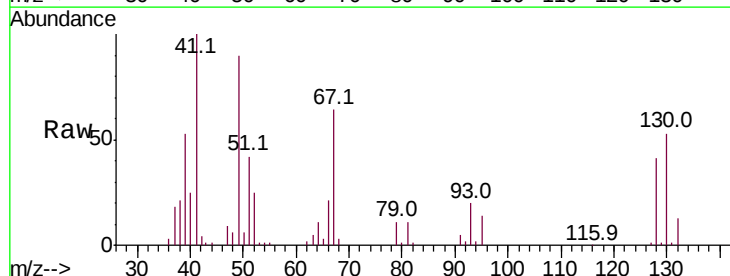
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



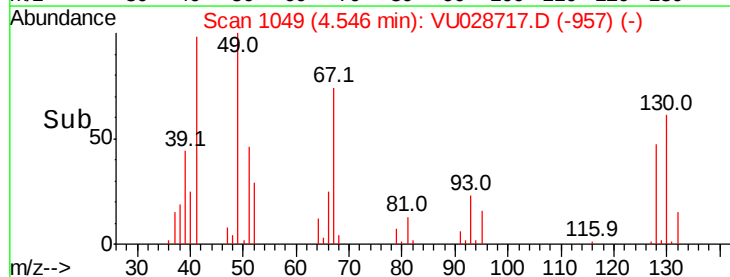
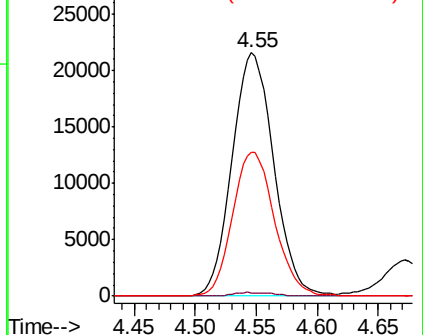
#28

Bromochloromethane
Concen: 56.214 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	59.1	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: 312.966 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampled :

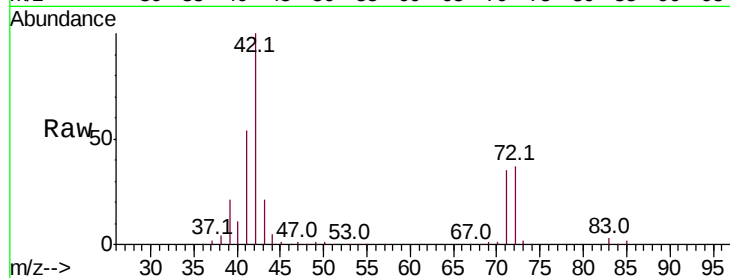
Tot Ion: 42 Resp: 204744

Ion Ratio Lower Upper

42 100

72 38.2 31.4 47.0

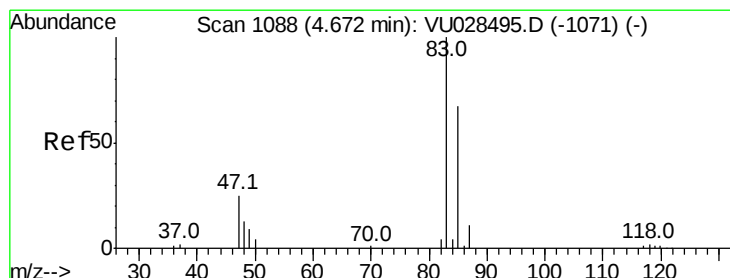
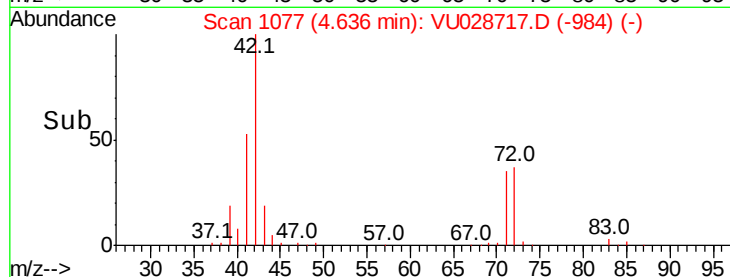
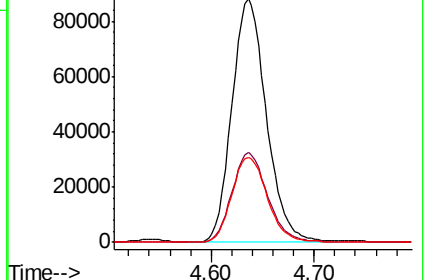
71 36.3 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.791 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028717.D

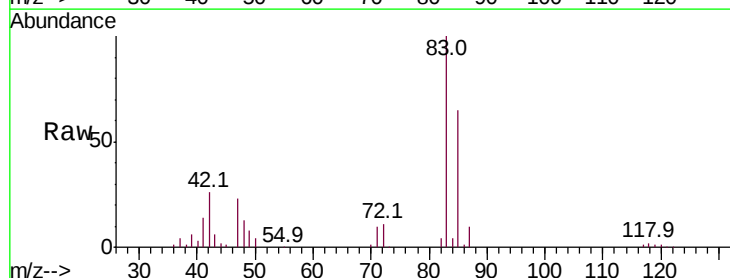
Acq: 17 Dec 2018 13:54

Tgt Ion: 83 Resp: 90588

Ion Ratio Lower Upper

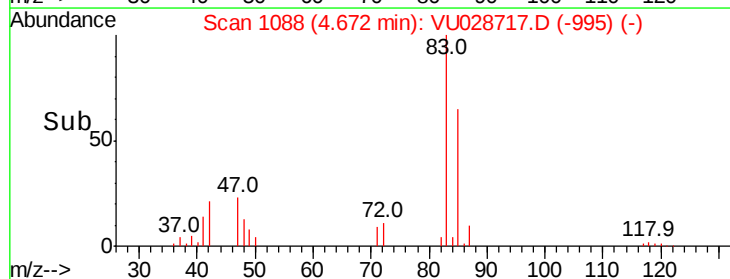
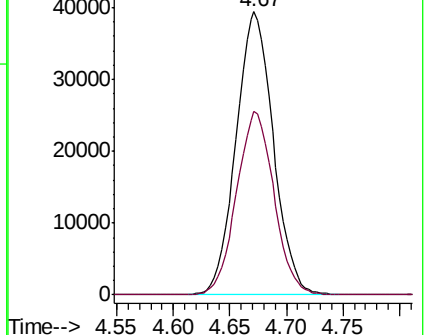
83 100

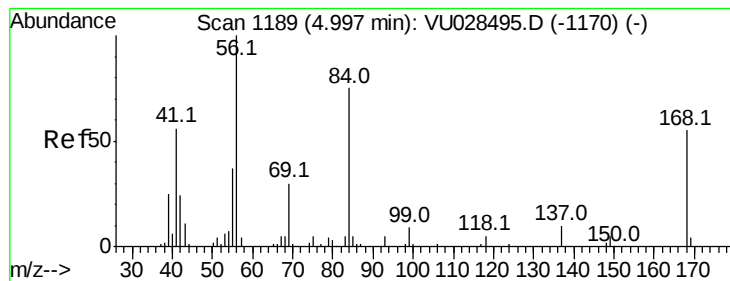
85 65.0 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 44.505 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampled :

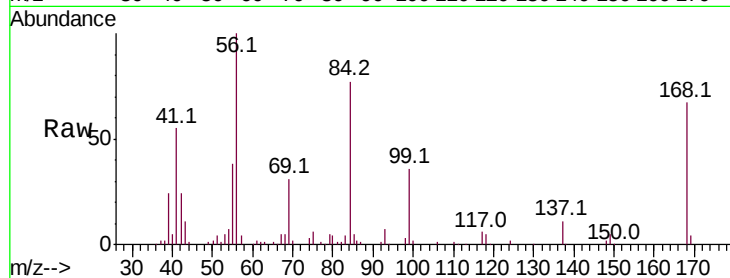
Tot Ion: 56 Resp: 87417

Ion Ratio Lower Upper

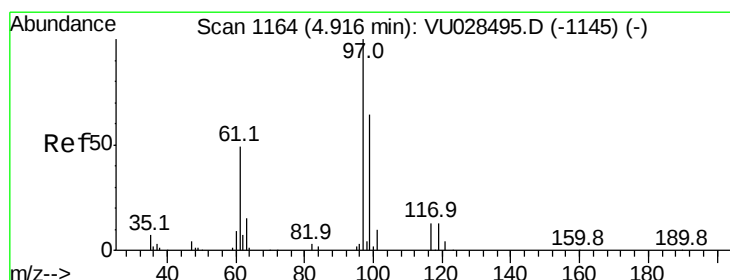
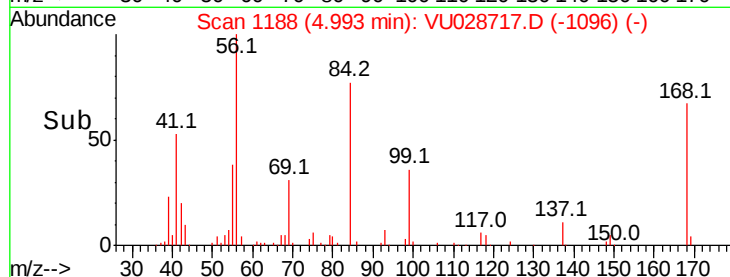
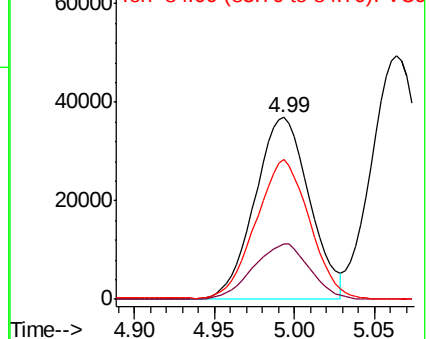
56 100

69 30.6 24.0 36.0

84 76.0 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: 50.104 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

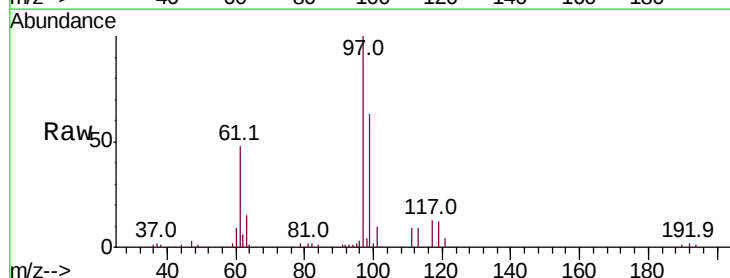
Tgt Ion: 97 Resp: 72786

Ion Ratio Lower Upper

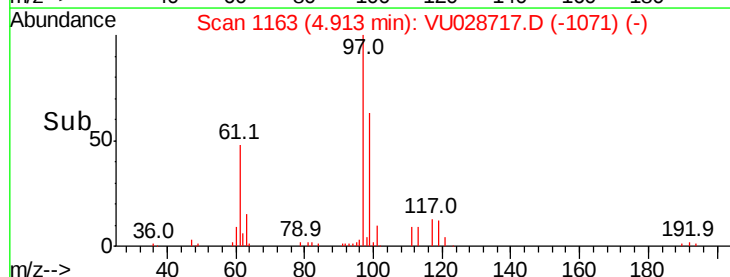
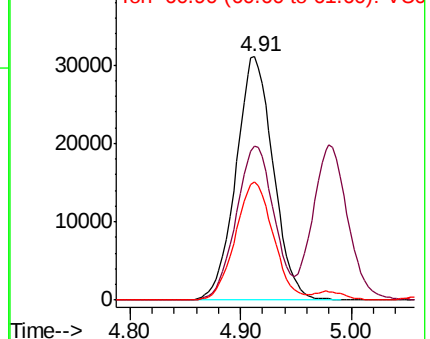
97 100

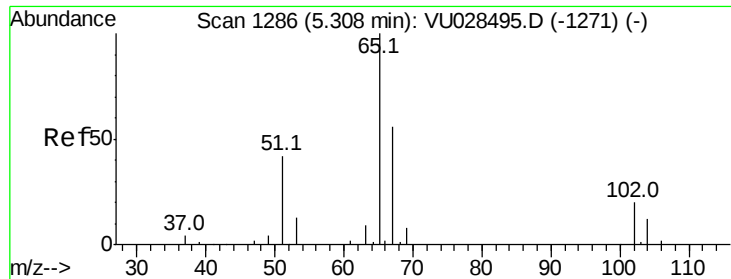
99 64.2 52.3 78.5

61 49.2 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

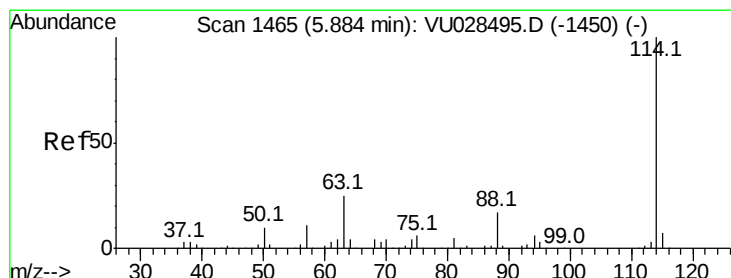
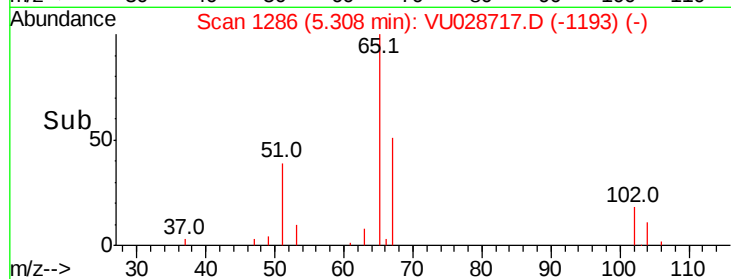
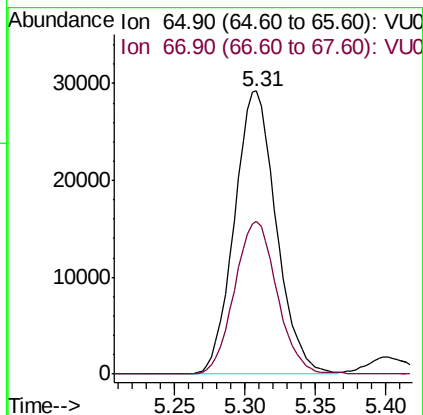
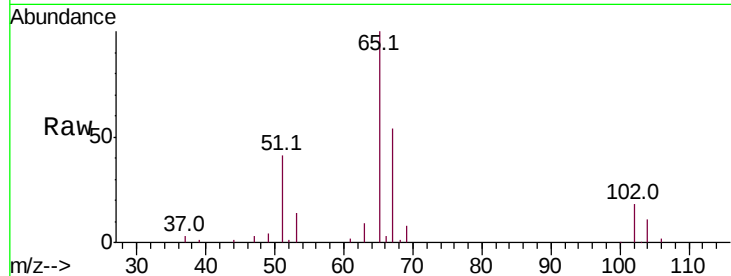




#33
 1,2-Dichloroethane-d4
 Concen: 53.201 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

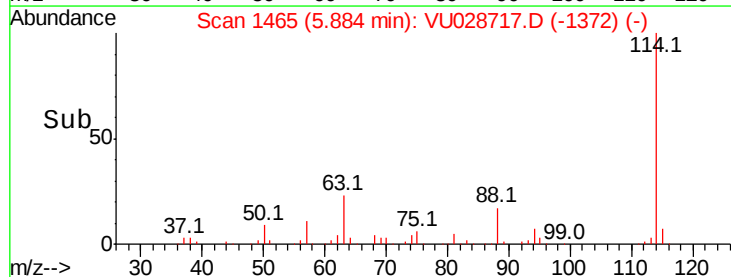
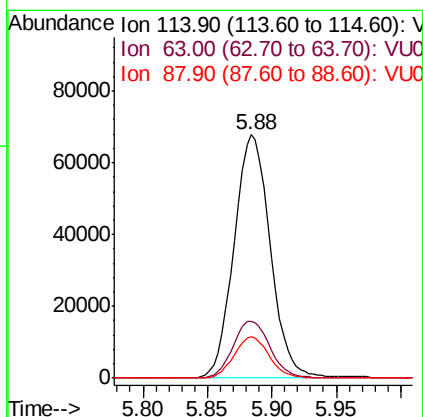
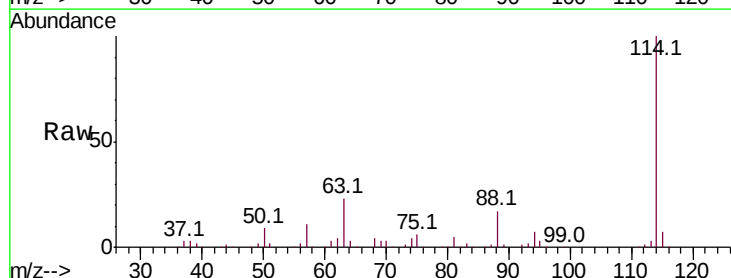
Instrument :
 MSVOA_U
 ClientSampleId :

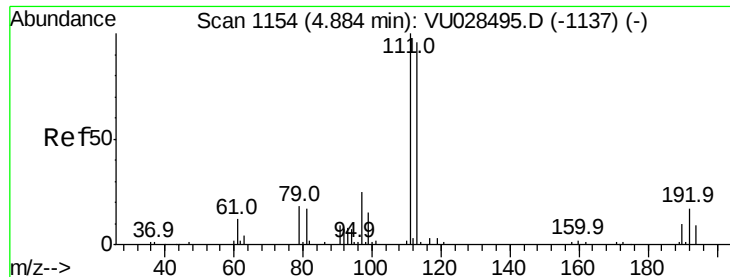
Tot Ion: 65 Resp: 60769
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:114 Resp: 132592
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.103 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampled :

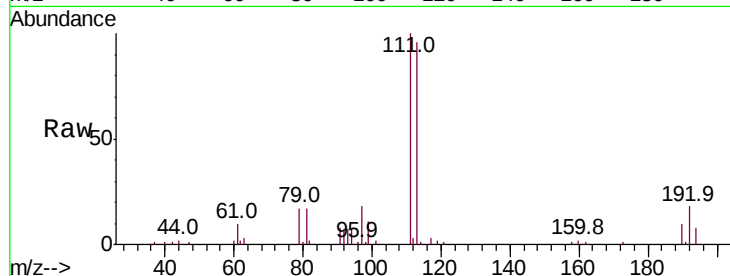
Tot Ion:113 Resp: 45144

Ion Ratio Lower Upper

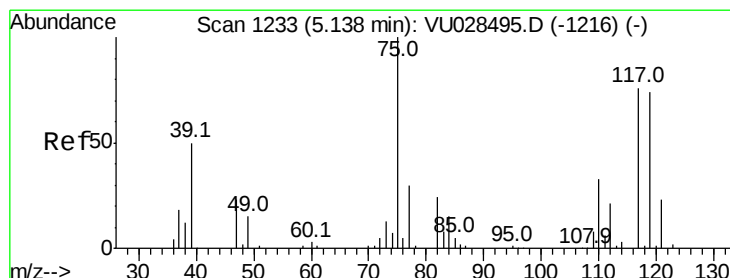
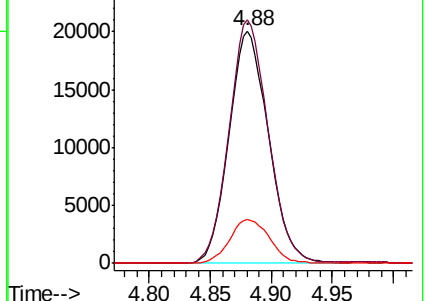
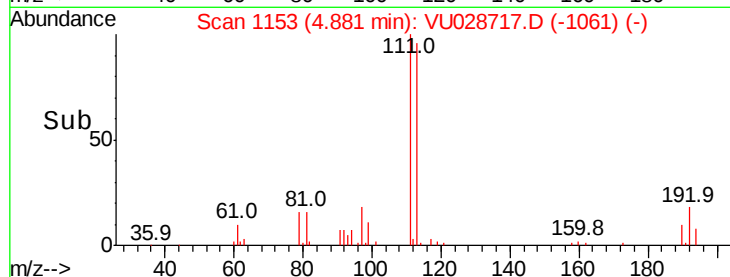
113 100

111 103.9 83.4 125.0

192 19.1 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: 46.227 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

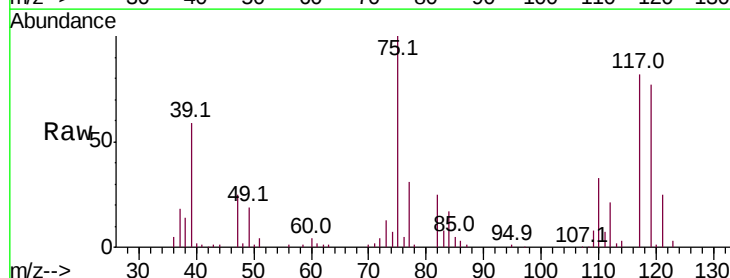
Tgt Ion: 75 Resp: 67072

Ion Ratio Lower Upper

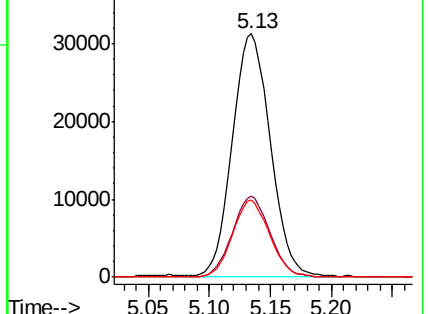
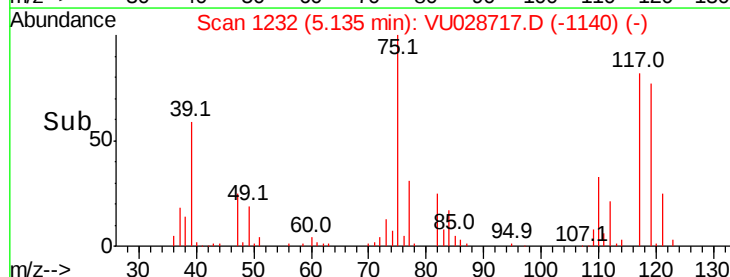
75 100

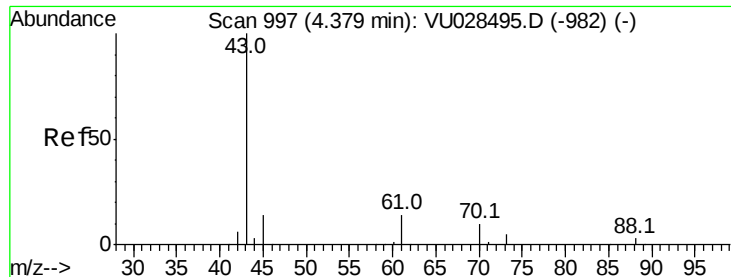
110 33.1 16.1 48.2

77 31.1 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: 43.414 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

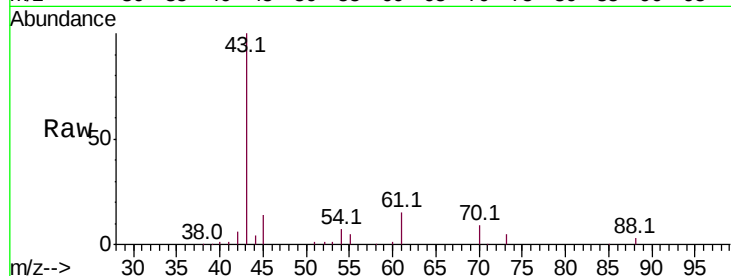
Tot Ion: 43 Resp: 81429

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

70 9.1 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

150000

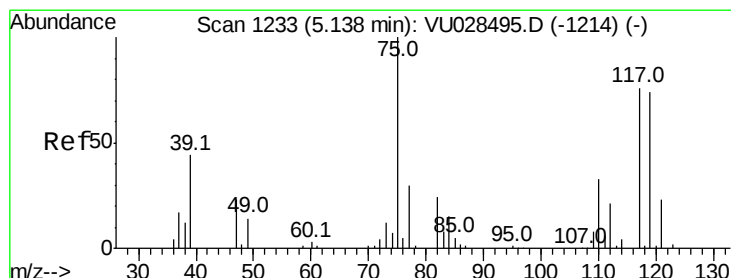
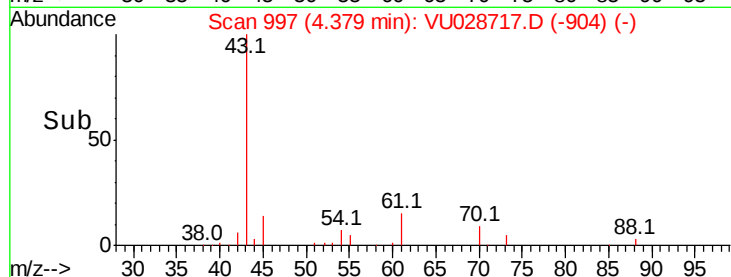
100000

50000

0

4.38

Time-->



#38

Carbon Tetrachloride

Concen: 50.658 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

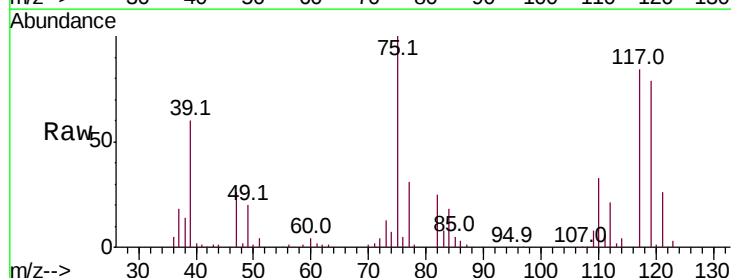
Tgt Ion: 117 Resp: 59242

Ion Ratio Lower Upper

117 100

119 93.9 77.6 116.4

121 31.2 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

30000

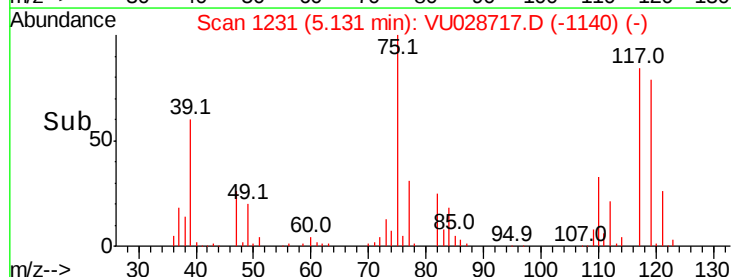
20000

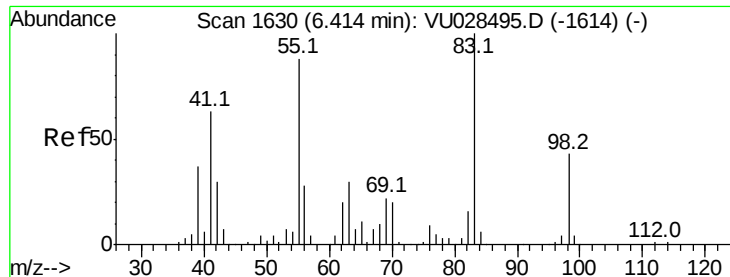
10000

0

5.13

Time-->





#39

Methvlcvclohexane

Concen: 36.400 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

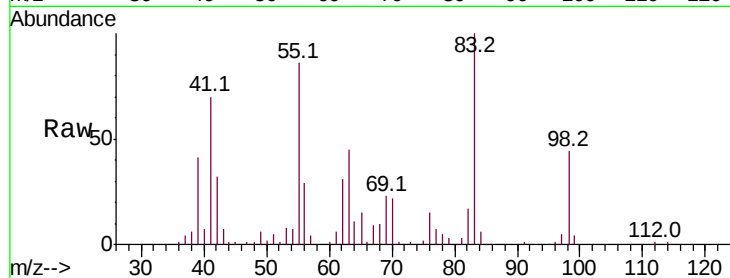
Tot Ion: 83 Resp: 64432

Ion Ratio Lower Upper

83 100

55 85.6 70.2 105.2

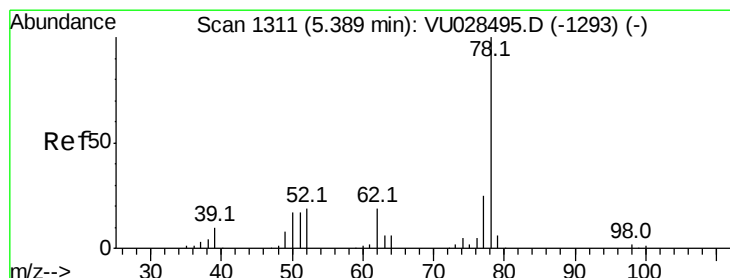
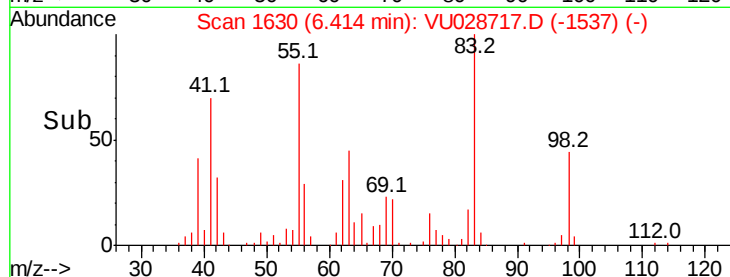
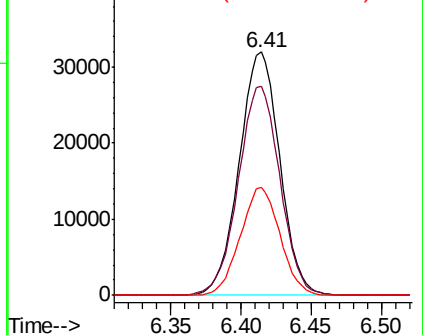
98 44.3 34.2 51.4



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: 49.787 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028717.D

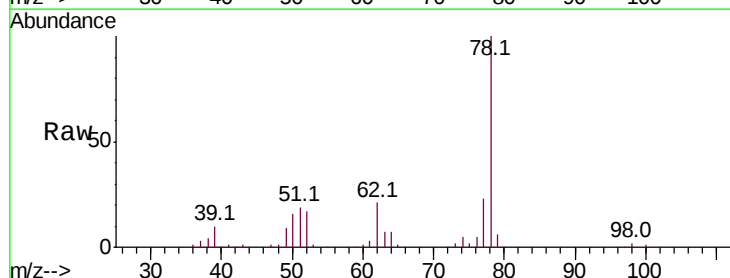
Acq: 17 Dec 2018 13:54

Tgt Ion: 78 Resp: 212758

Ion Ratio Lower Upper

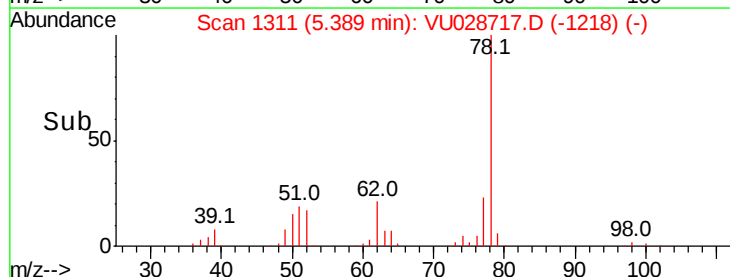
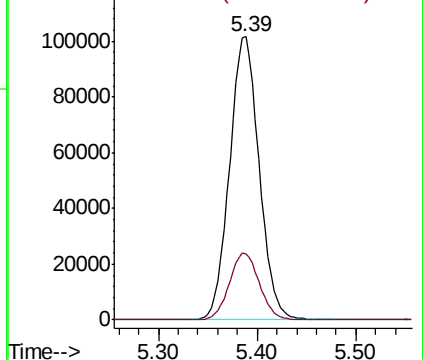
78 100

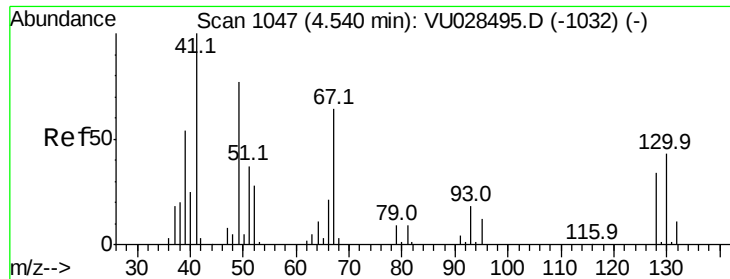
77 23.4 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

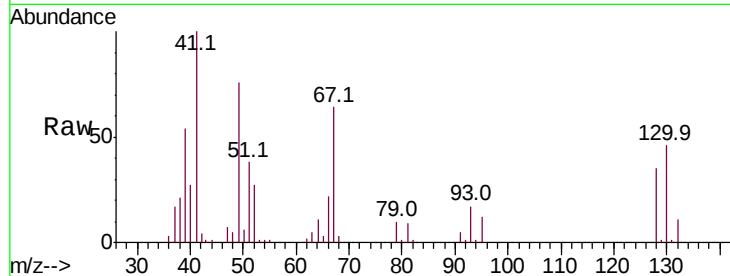




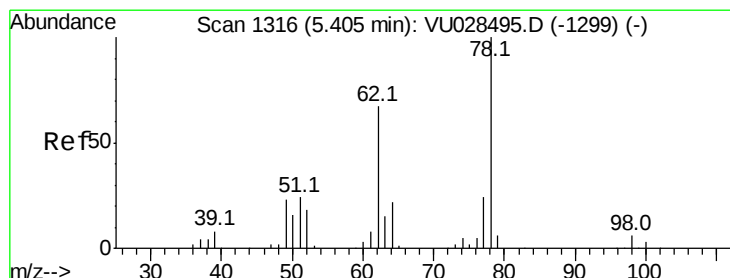
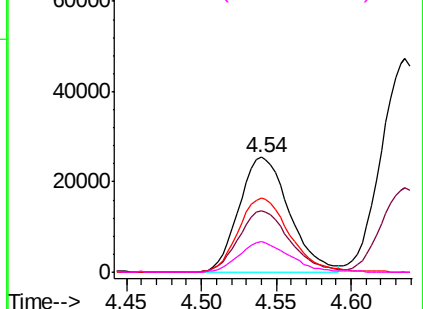
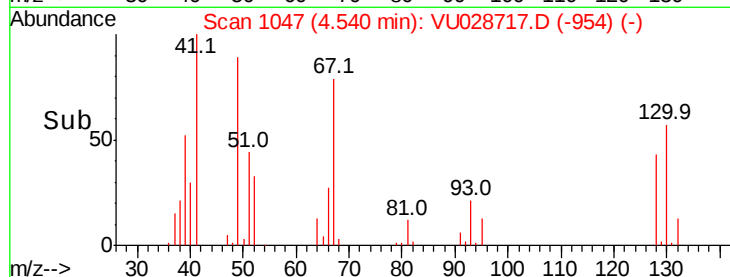
#41
Methacrylonitrile
Concen: 58.032 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	59609
Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.3	64.9
67	66.2	53.6	80.4
52	27.2	22.1	33.1

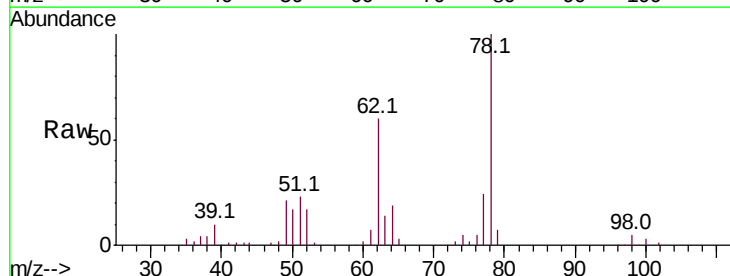


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

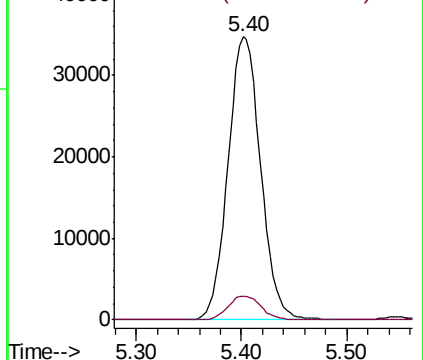
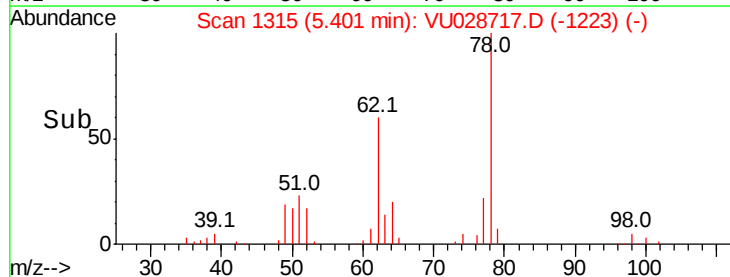


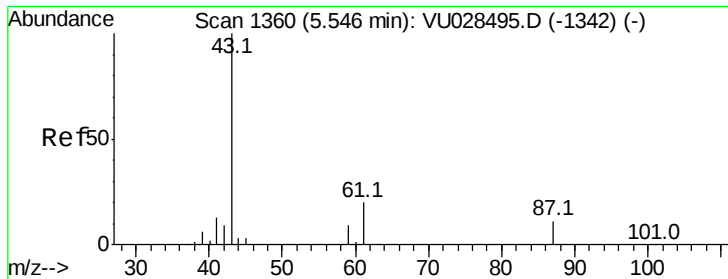
#42
1,2-Dichloroethane
Concen: 49.762 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:	62	Resp:	74435
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: 46.742 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

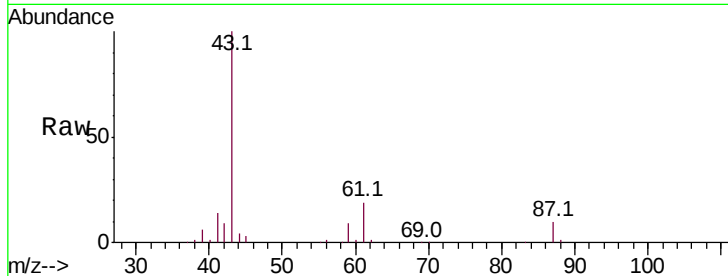
Tot Ion: 43 Resp: 138670

Ion Ratio Lower Upper

43 100

61 19.1 15.5 23.3

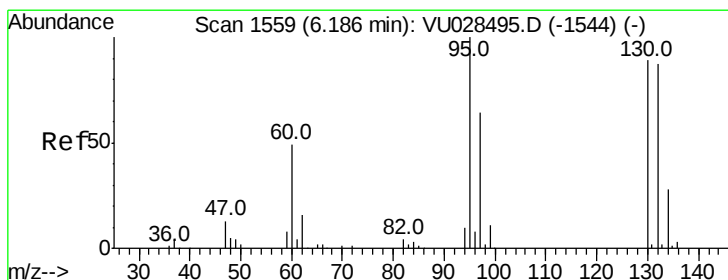
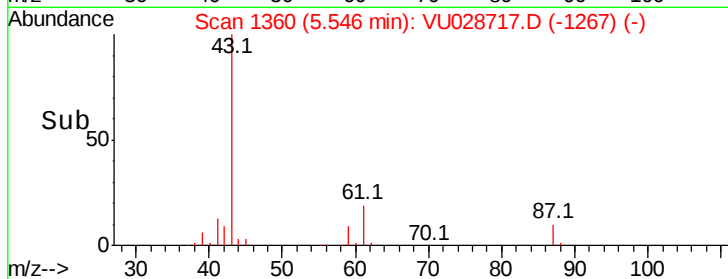
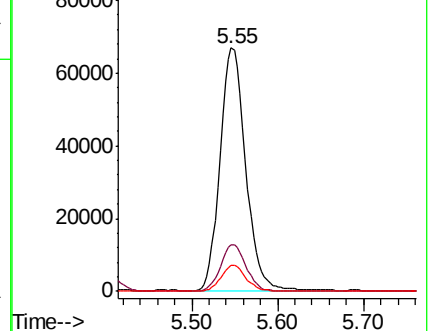
87 10.6 8.7 13.1



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: 47.441 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028717.D

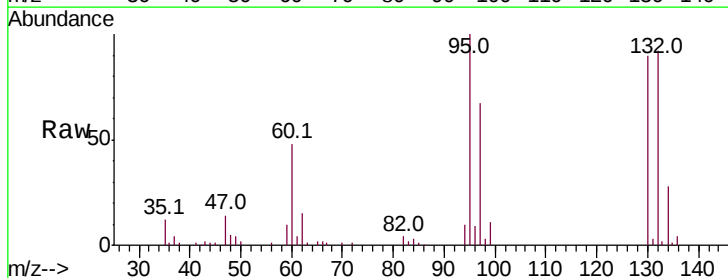
Acq: 17 Dec 2018 13:54

Tgt Ion:130 Resp: 45077

Ion Ratio Lower Upper

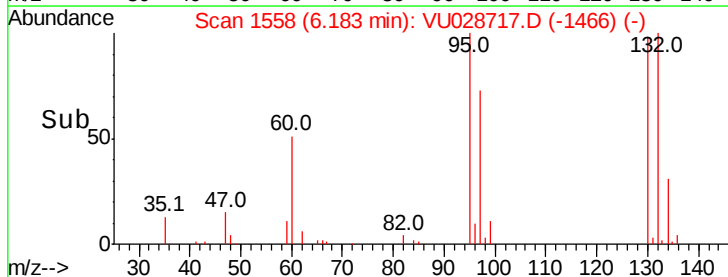
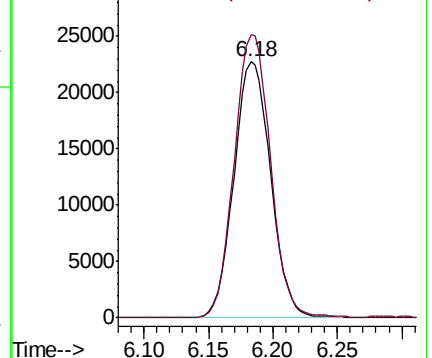
130 100

95 110.6 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: 52.205 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

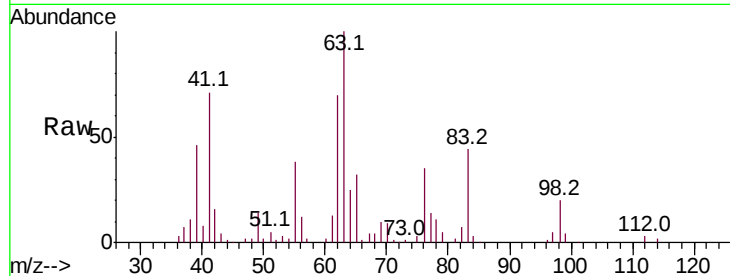
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 62734

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028495.D (-1619) (-)

6.43

30000

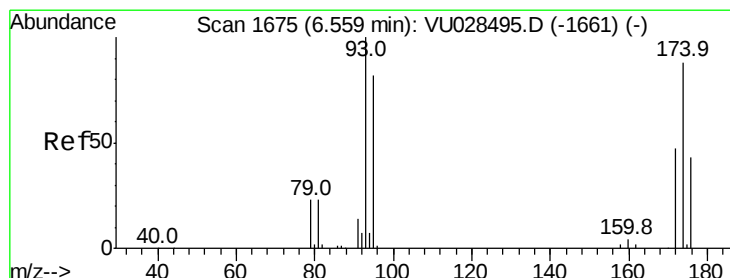
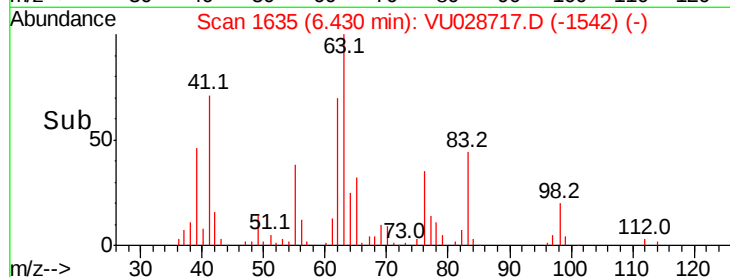
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 51.272 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

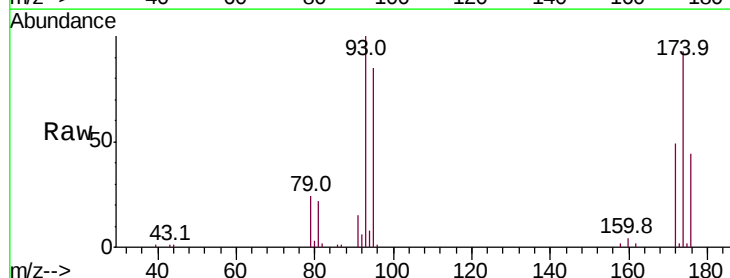
Tgt Ion: 93 Resp: 36557

Ion Ratio Lower Upper

93 100

95 84.4 65.4 98.2

174 92.8 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028495.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028495.D (-1661) (-)

6.56

25000

20000

15000

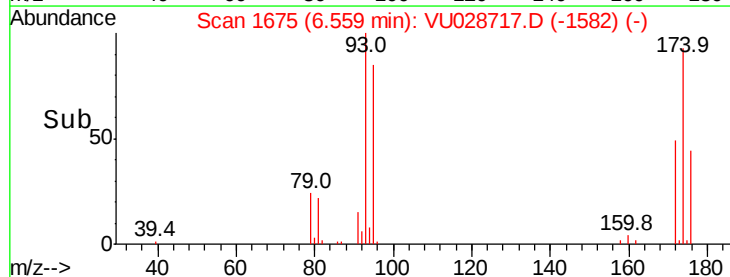
10000

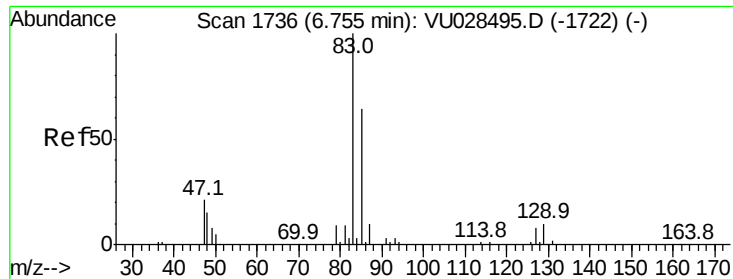
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 52.139 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampled :

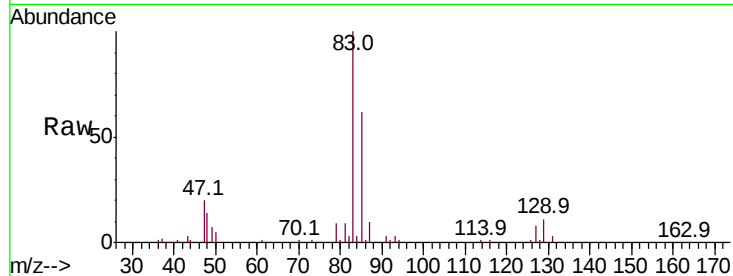
Tot Ion: 83 Resp: 72341

Ion Ratio Lower Upper

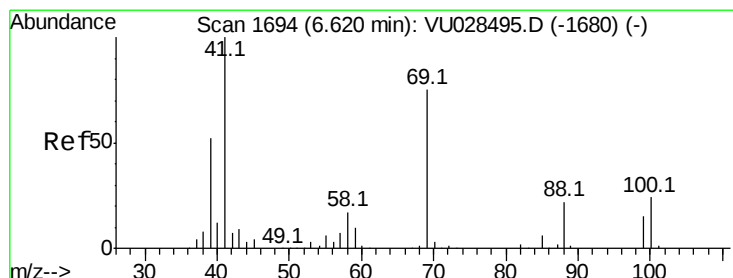
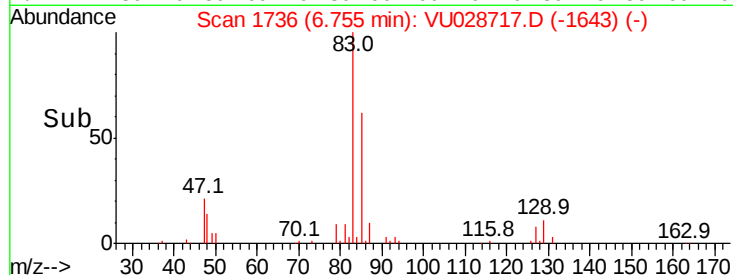
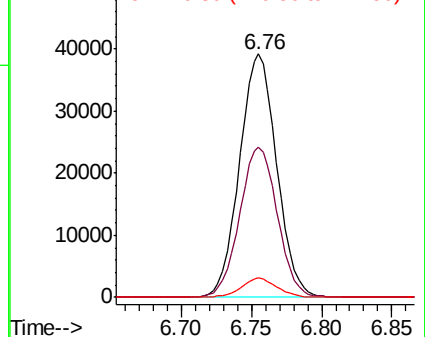
83 100

85 61.7 51.5 77.3

127 7.8 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: 55.075 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

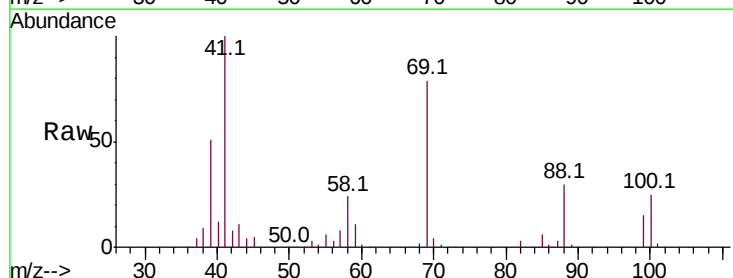
Tgt Ion: 41 Resp: 81254

Ion Ratio Lower Upper

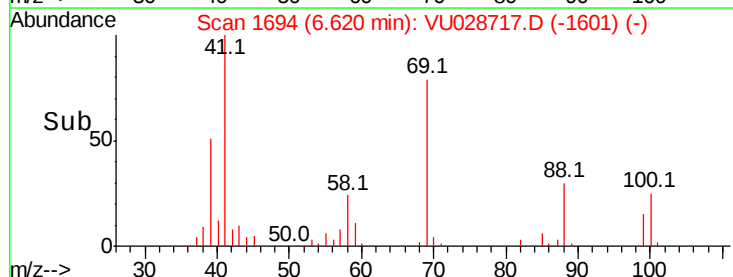
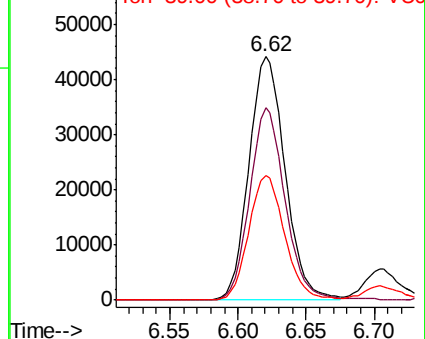
41 100

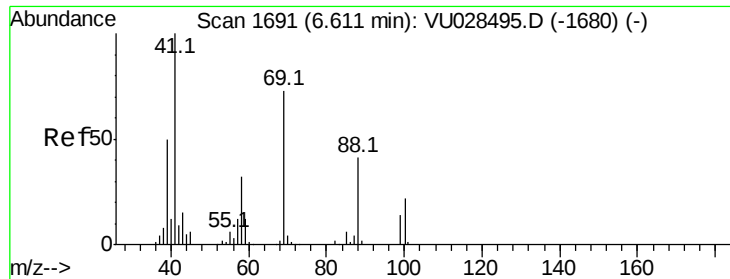
69 77.5 60.4 90.6

39 50.8 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

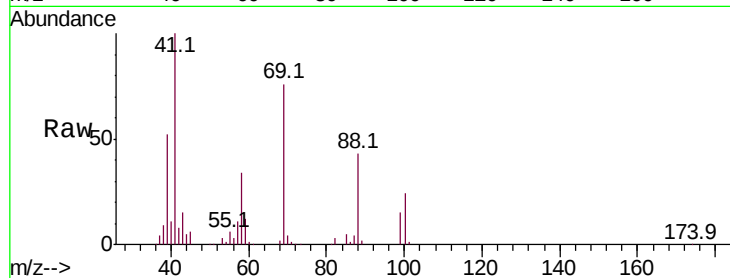




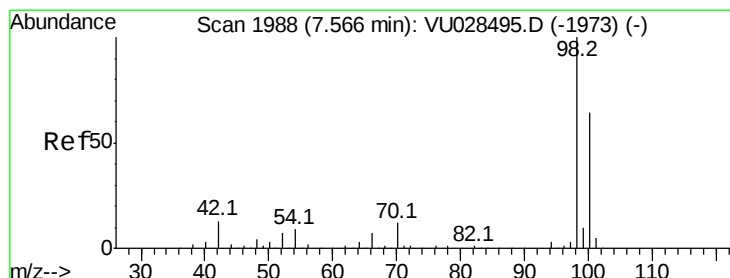
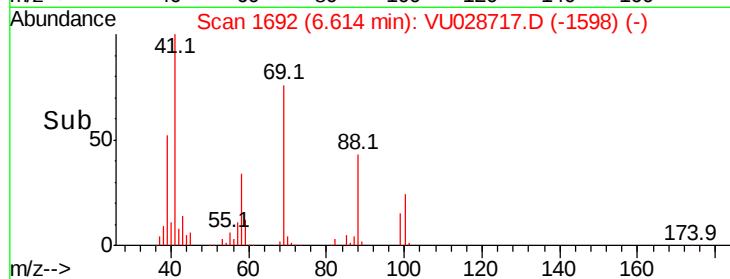
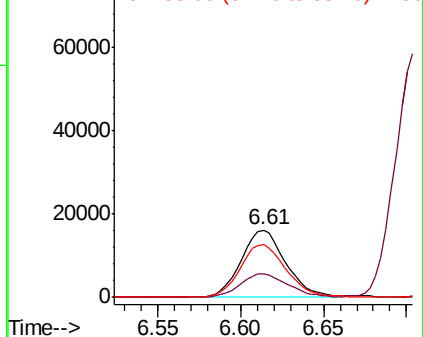
#49
1,4-Dioxane
Concen: 1291.299 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 30081
Ion Ratio Lower Upper
88 100
43 34.5 30.9 46.3
58 81.8 62.4 93.6

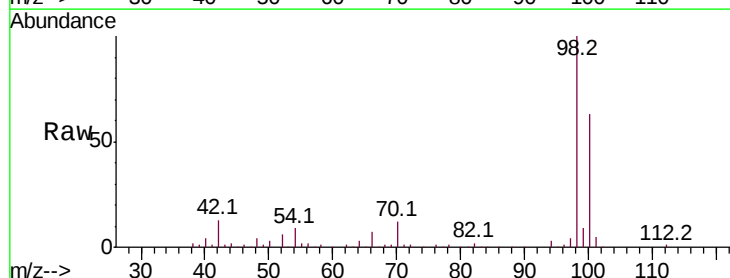


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

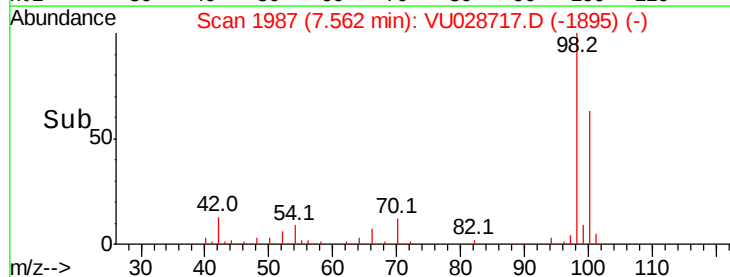
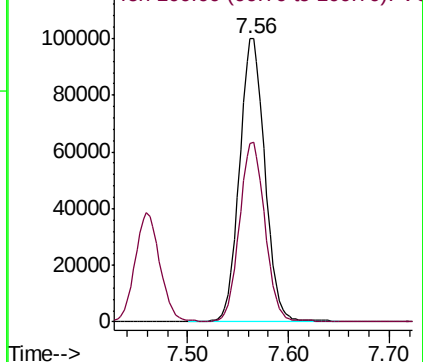


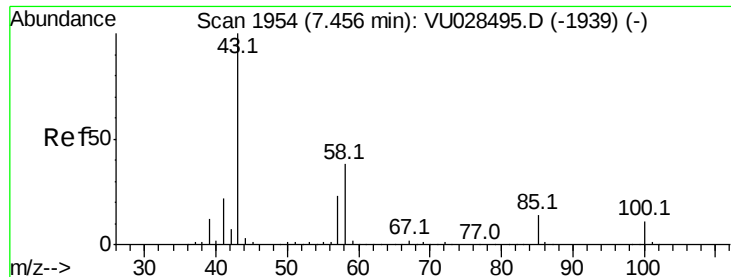
#50
Toluene-d8
Concen: 52.849 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 98 Resp: 174443
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 311.484 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

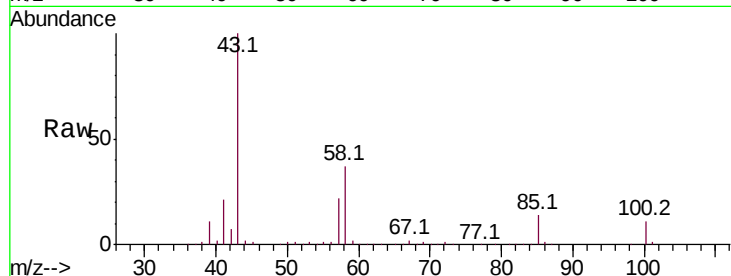
ClientSampleId :

Tot Ion: 43 Resp: 582824

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

300000

200000

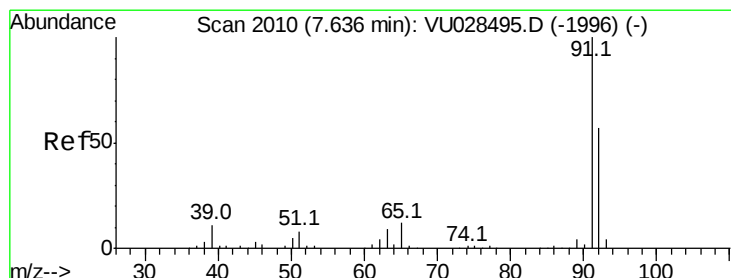
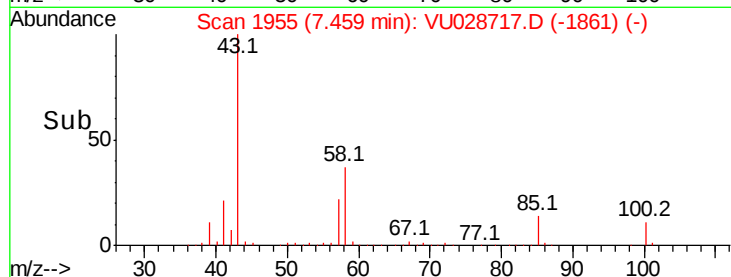
100000

0

Time-->

7.40

7.50



#52

Toluene

Concen: 49.165 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028717.D

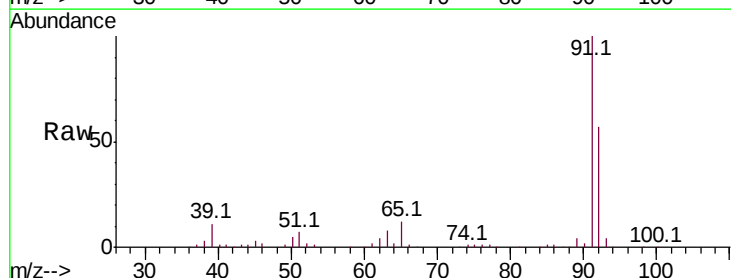
Acq: 17 Dec 2018 13:54

Tgt Ion: 92 Resp: 123647

Ion Ratio Lower Upper

92 100

91 177.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

150000

100000

50000

0

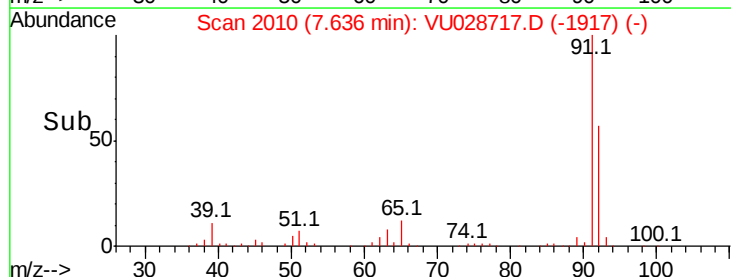
Time-->

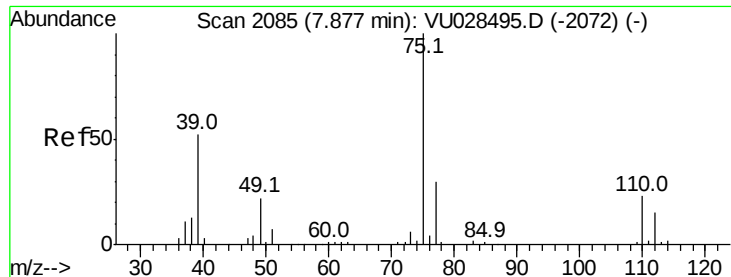
7.55

7.60

7.65

7.70

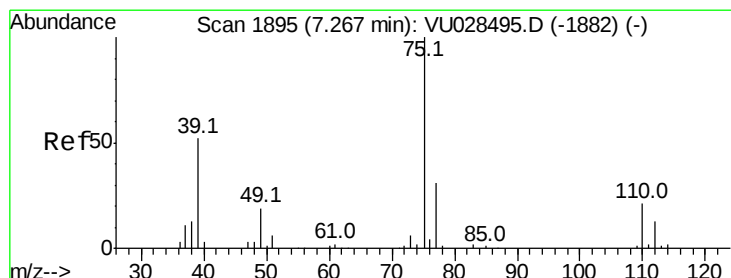
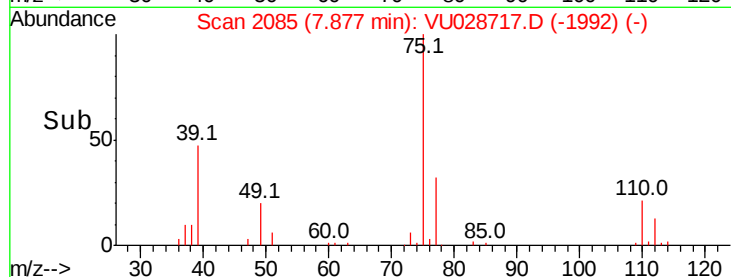
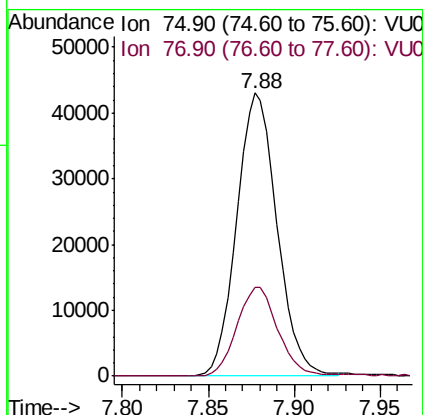
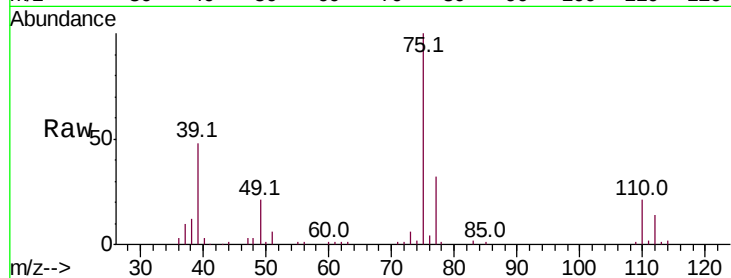




#53
t-1,3-Dichloropropene
Concen: 42.465 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

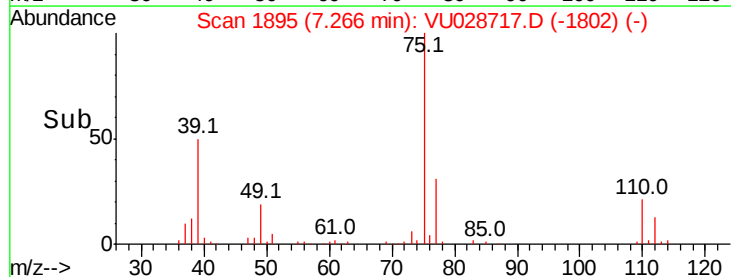
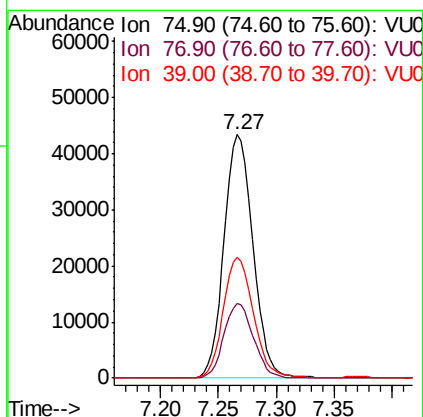
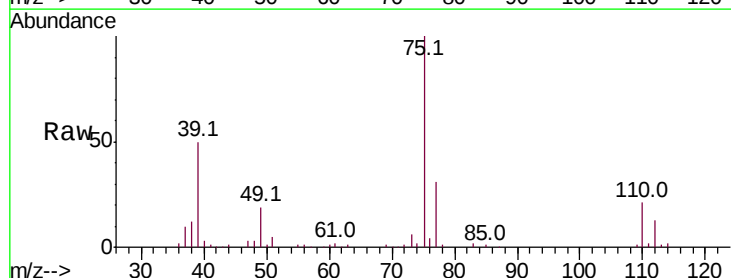
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 70171
Ion Ratio Lower Upper
75 100
77 31.5 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 41.841 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 75 Resp: 75011
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 49.6 41.3 61.9

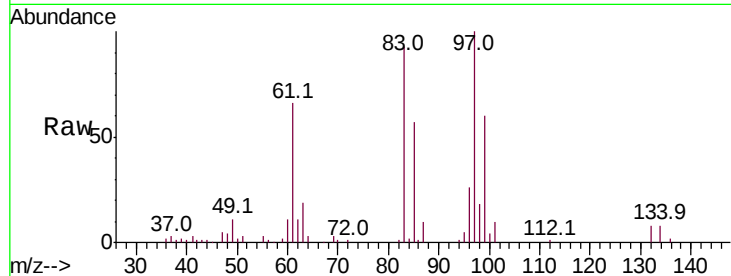




#55
 1,1,2-Trichloroethane
 Concen: 57.262 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	56926
Ion	Ratio	Lower	Upper
97	100		
83	92.5	72.4	108.6
85	56.9	46.0	69.0
99	60.5	47.4	71.2



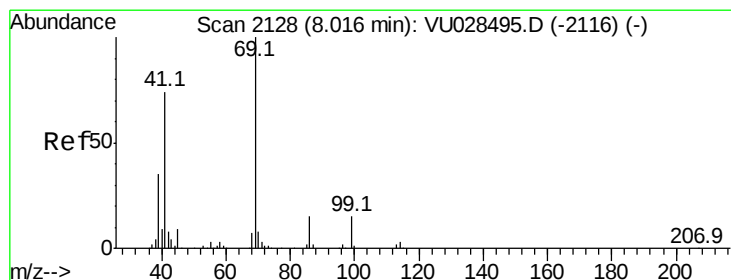
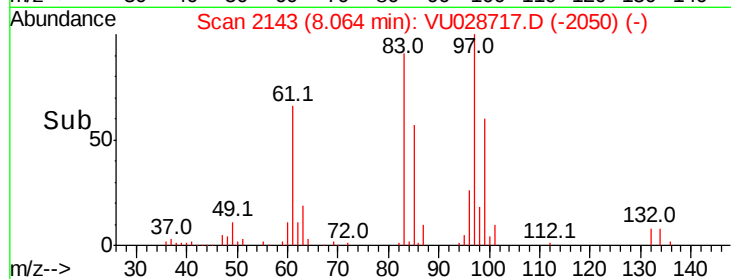
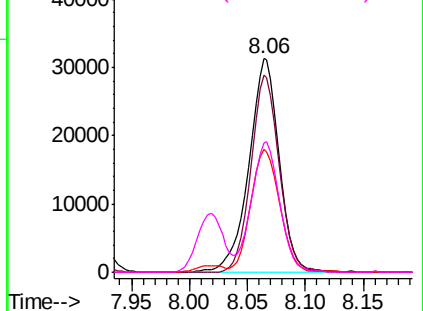
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

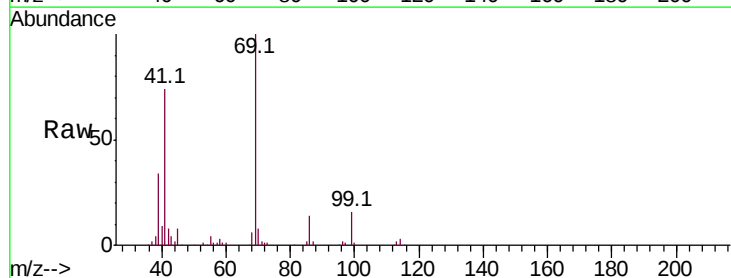
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 54.257 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:	69	Resp:	92367
Ion	Ratio	Lower	Upper
69	100		
41	75.5	59.1	88.7
39	35.8	28.4	42.6

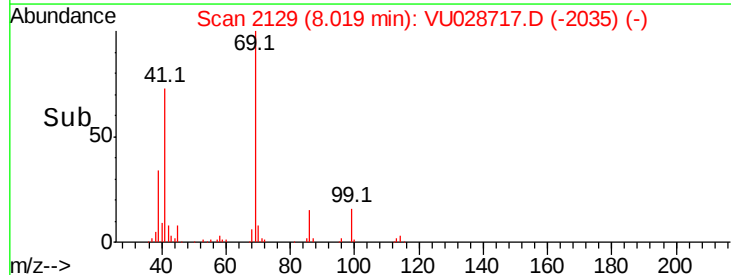
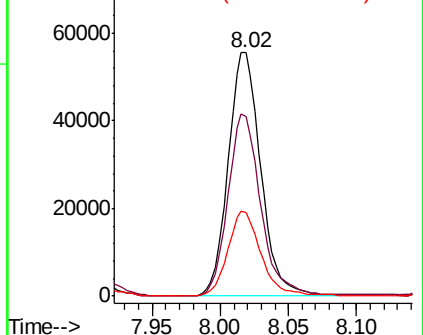


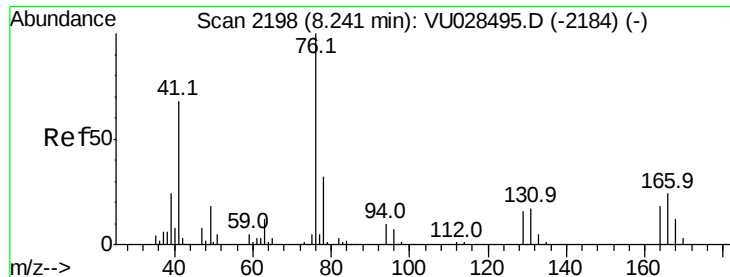
Abundance

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: 51.131 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

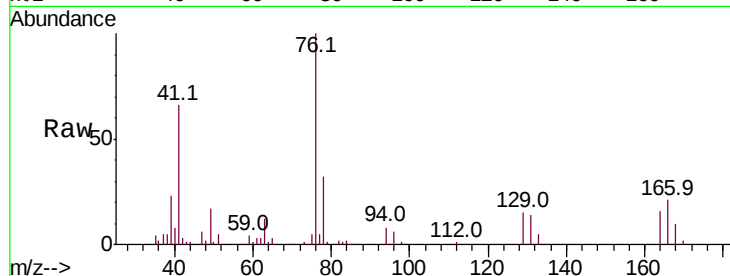
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 94358

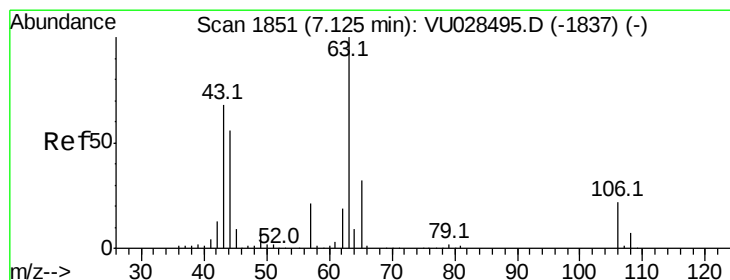
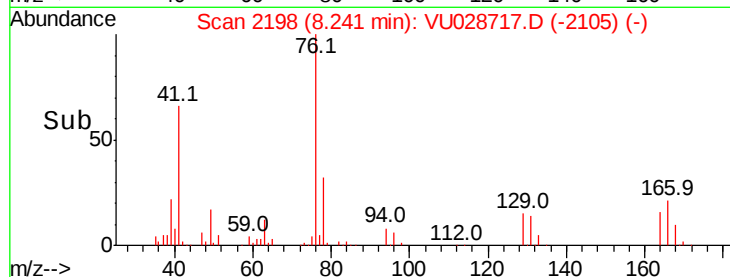
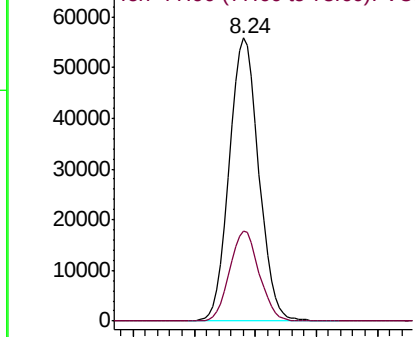
Ion Ratio Lower Upper

76 100

78 32.0 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: 0.487 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.14 min

Lab File: VU028717.D

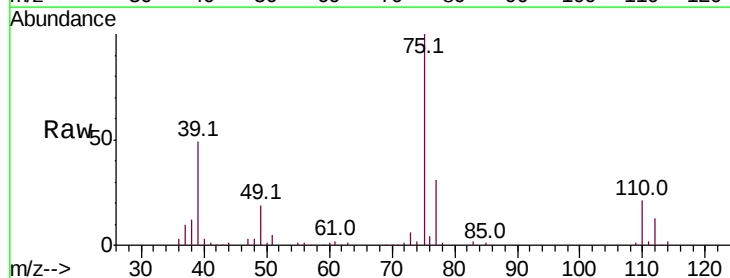
Acq: 17 Dec 2018 13:54

Tgt Ion: 63 Resp: 425

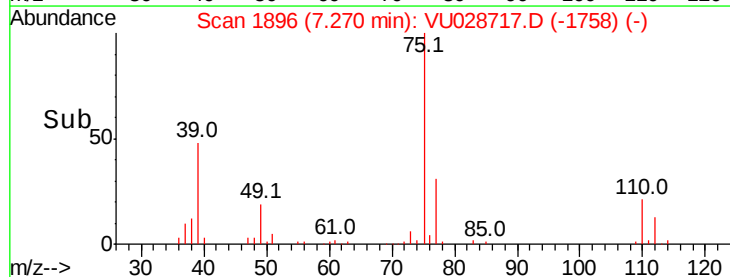
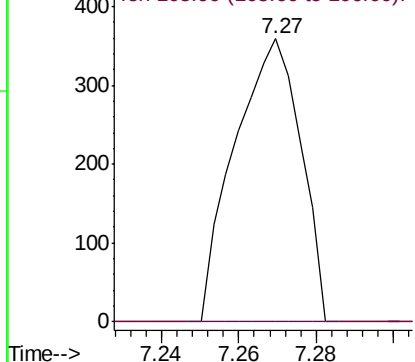
Ion Ratio Lower Upper

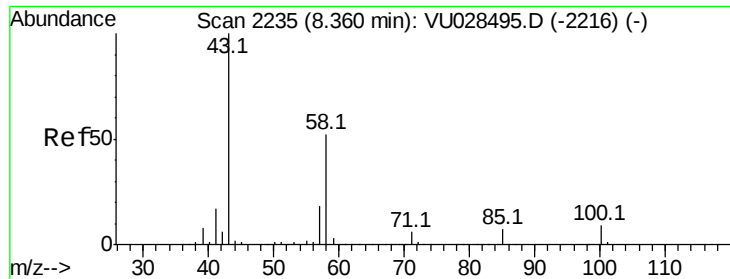
63 100

106 0.0 17.8 26.6#



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

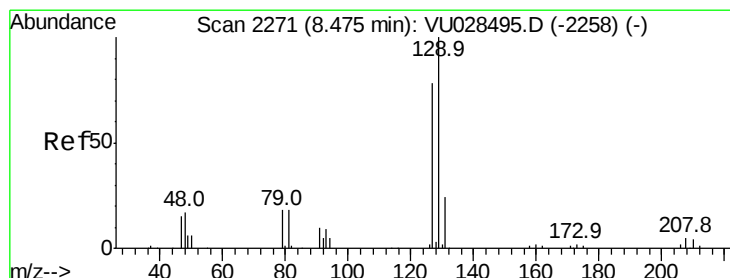
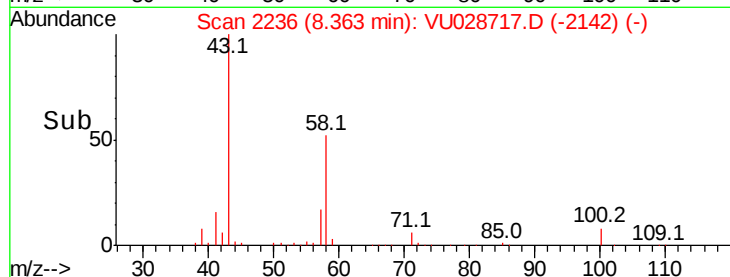
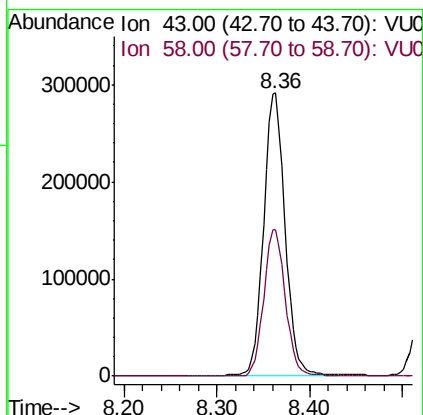
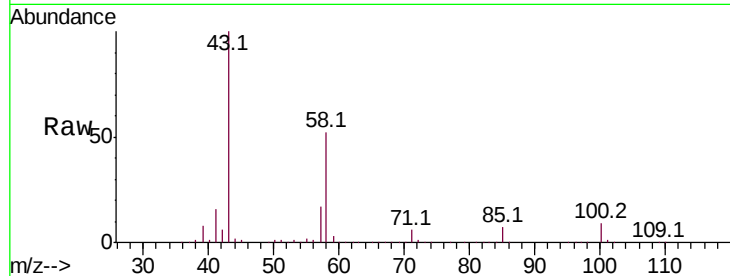




#59
2-Hexanone
Concen: 317.378 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

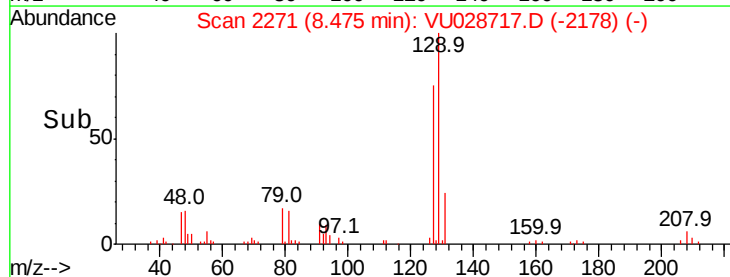
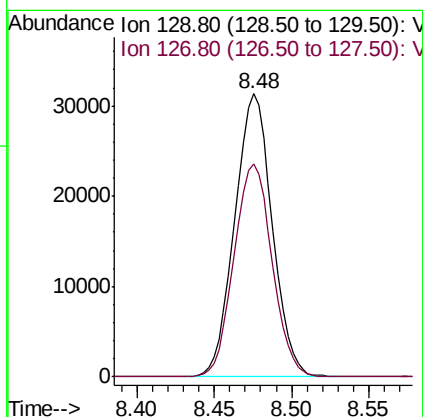
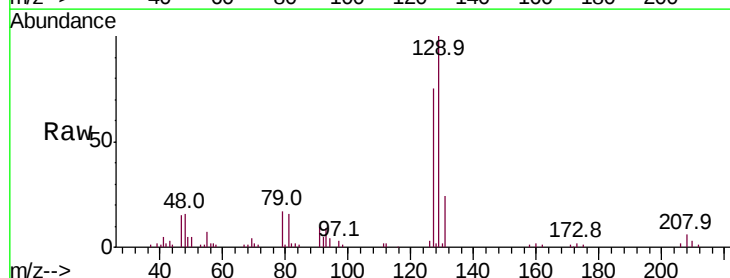
Instrument :
MSVOA_U
ClientSampleId :

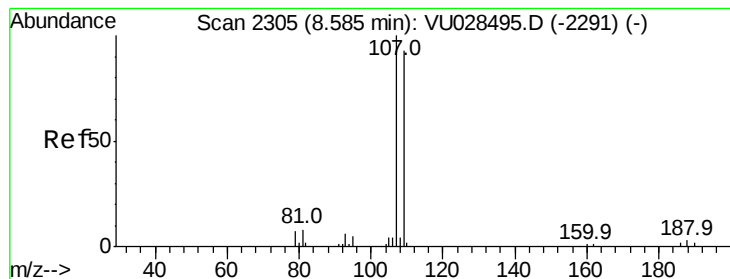
Tot Ion: 43 Resp: 470691
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6



#60
Dibromochloromethane
Concen: 54.243 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:129 Resp: 52796
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.599 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

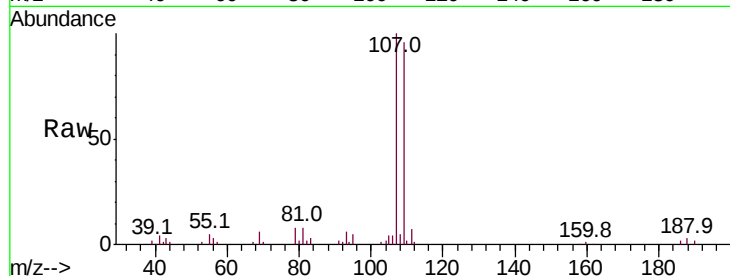
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 54835

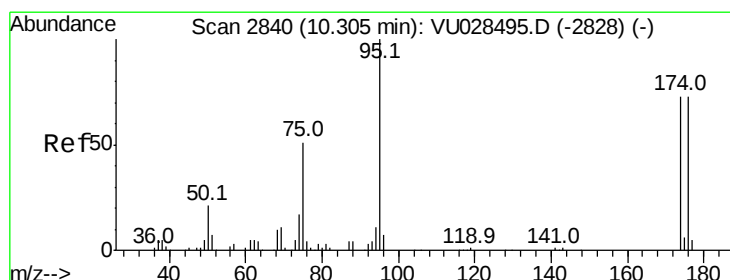
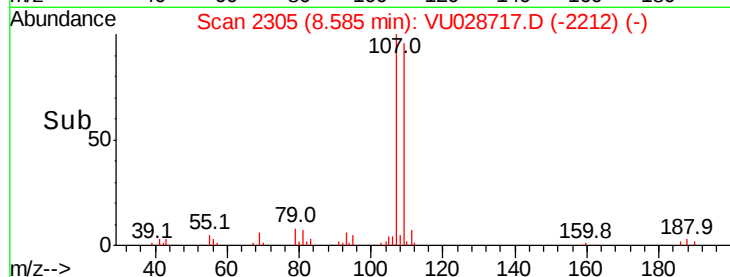
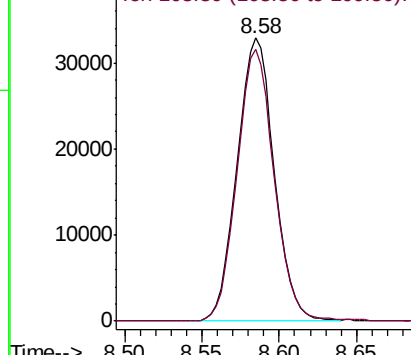
Ion Ratio Lower Upper

107 100

109 96.0 74.5 111.7



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



#62

4-Bromofluorobenzene

Concen: 53.885 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

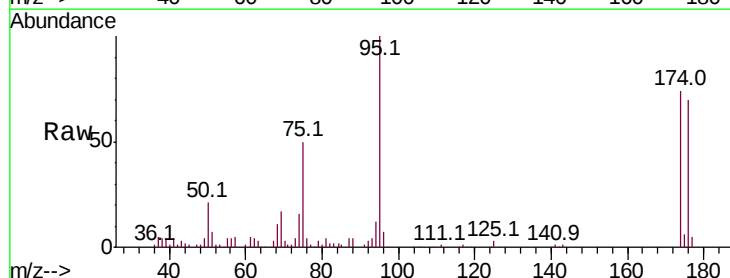
Tgt Ion: 95 Resp: 66479

Ion Ratio Lower Upper

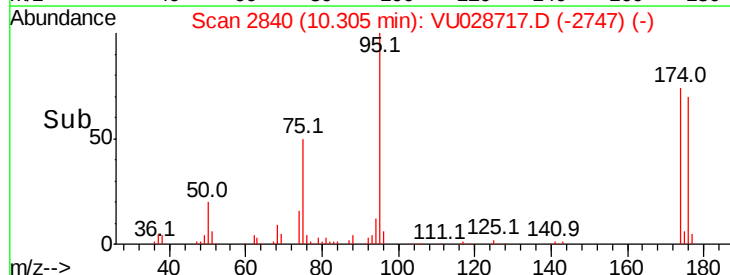
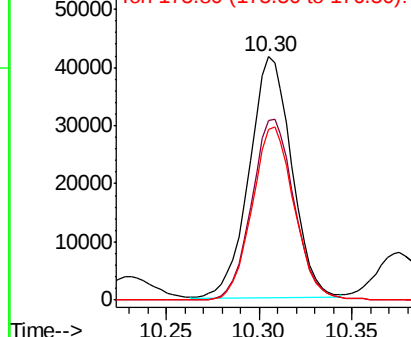
95 100

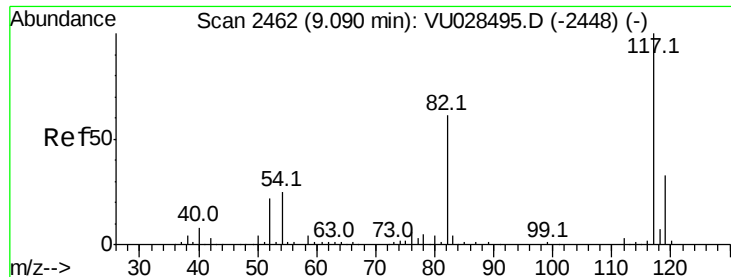
174 75.1 0.0 150.4

176 71.3 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

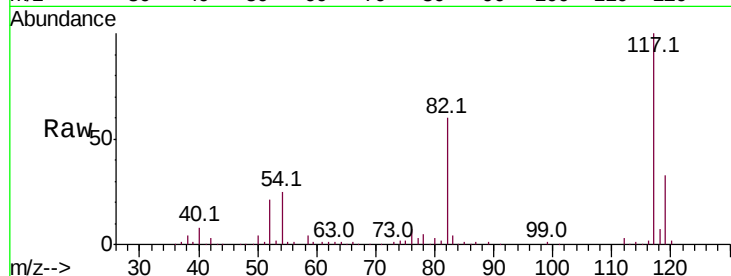




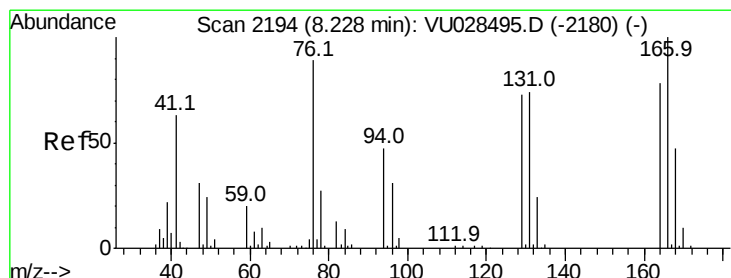
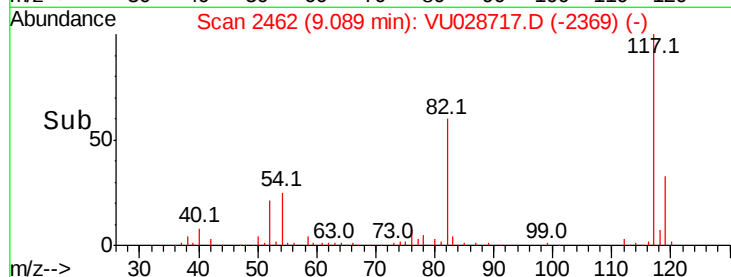
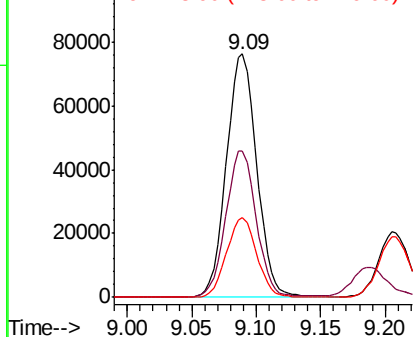
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 124991
Ion Ratio Lower Upper
117 100
82 60.0 48.9 73.3
119 32.7 26.2 39.4

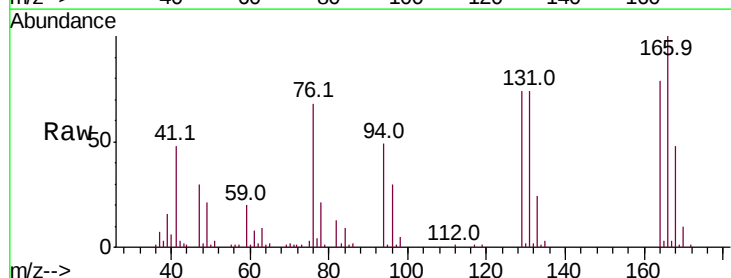


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

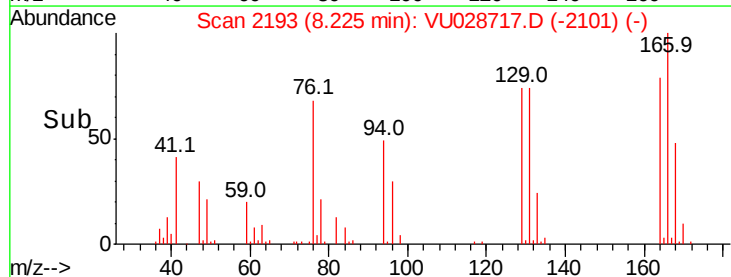
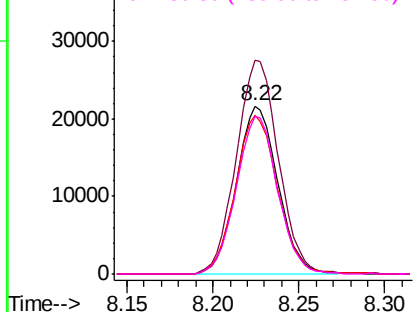


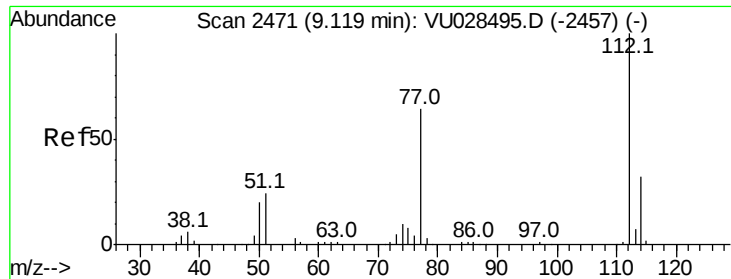
#64
Tetrachloroethene
Concen: 43.350 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:164 Resp: 36142
Ion Ratio Lower Upper
164 100
166 127.3 101.9 152.9
129 94.5 74.9 112.3
131 94.2 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
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

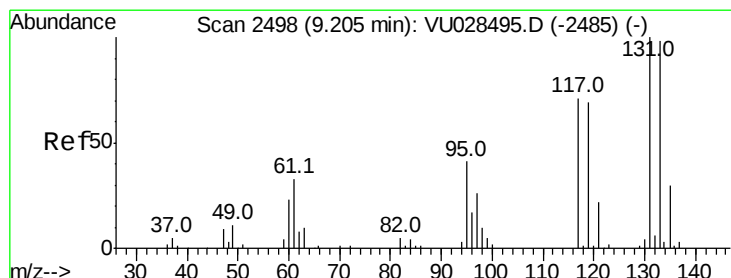
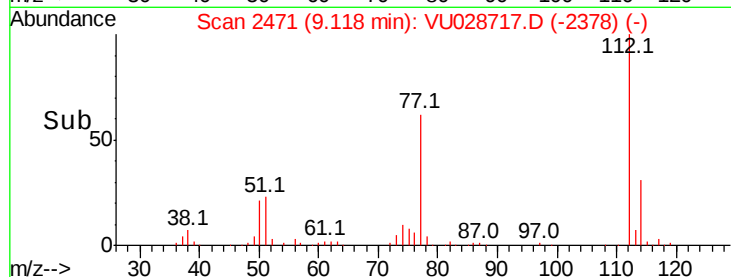
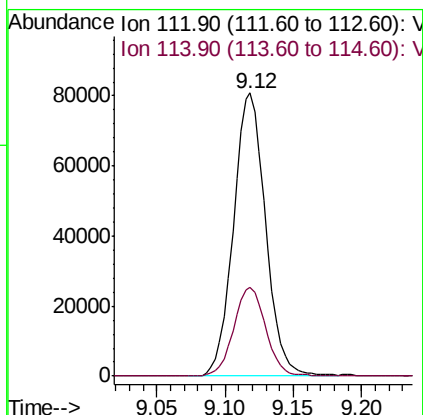
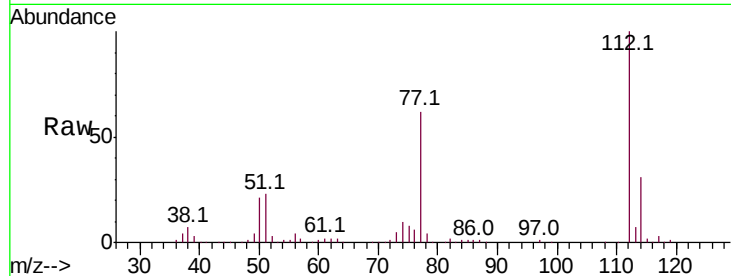




#65
Chlorobenzene
Concen: 49.562 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

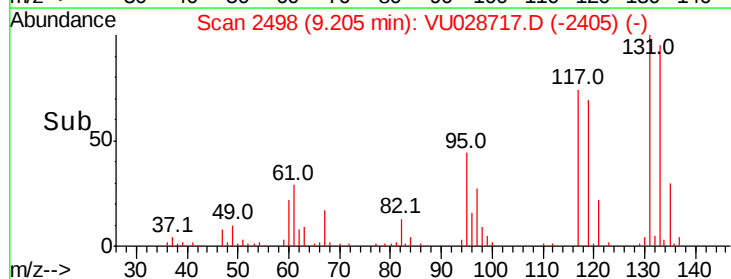
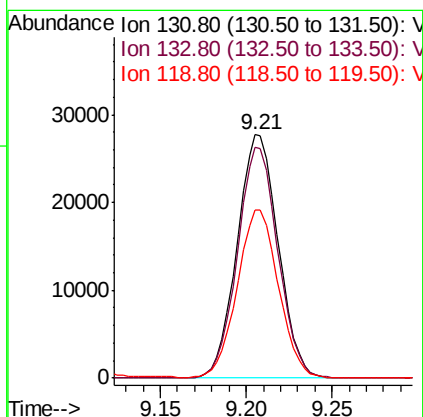
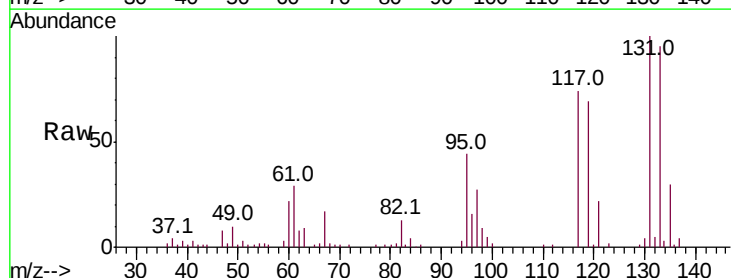
Instrument :
MSVOA_U
ClientSampled :

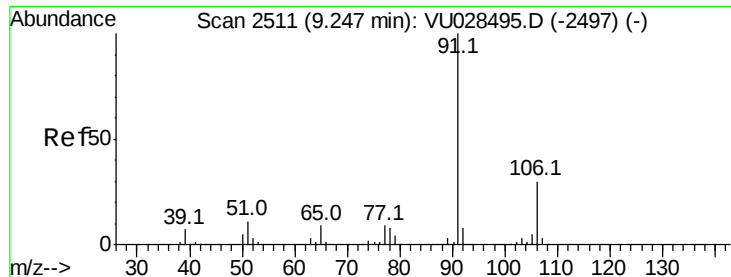
Tot Ion:112 Resp: 132006
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.892 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:131 Resp: 45836
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.0
119 69.7 34.6 103.9

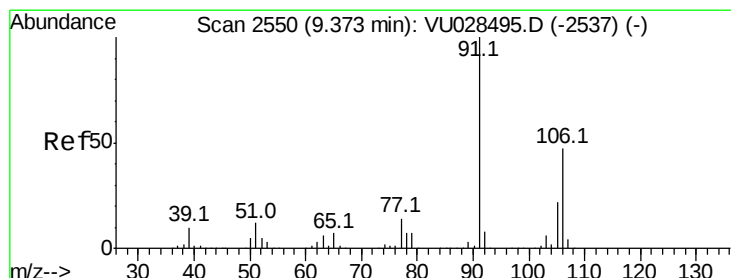
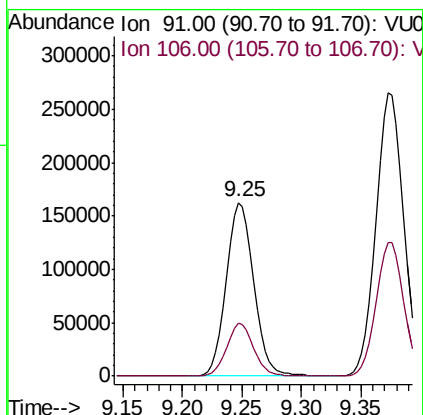
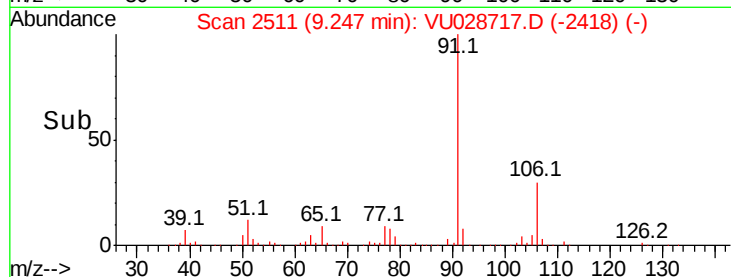
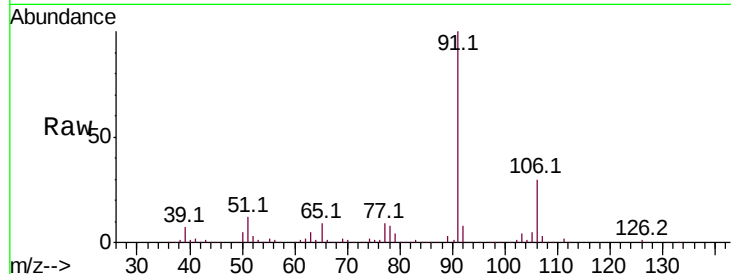




#67
Ethyl Benzene
Concen: 53.452 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

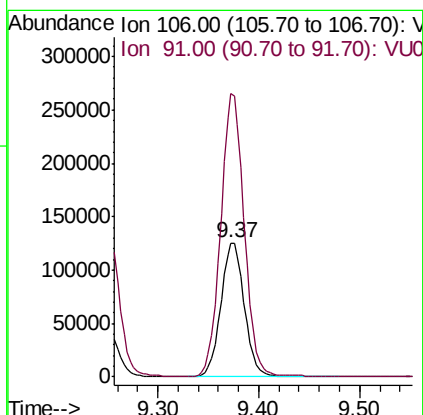
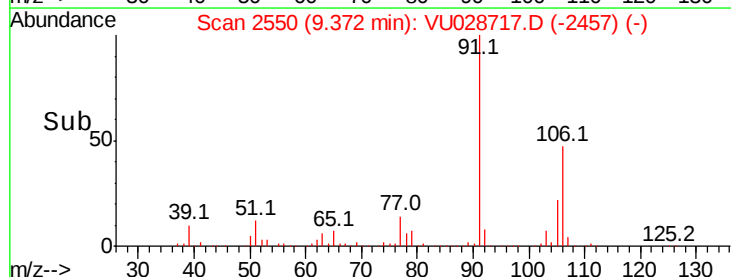
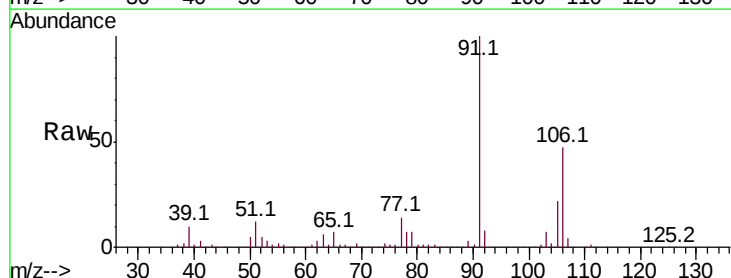
Instrument :
MSVOA_U
ClientSampled :

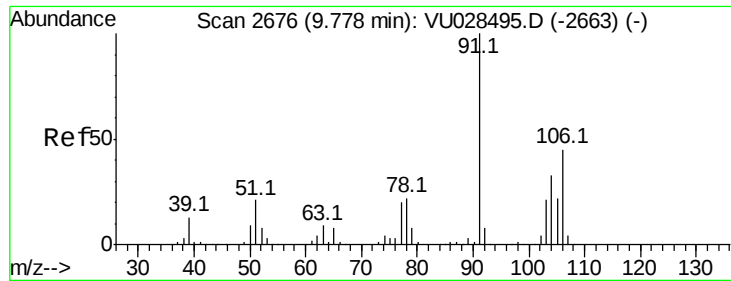
Tot Ion: 91 Resp: 261716
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1



#68
m/p-Xylenes
Concen: 115.045 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 106 Resp: 204965
Ion Ratio Lower Upper
106 100
91 211.1 167.4 251.0

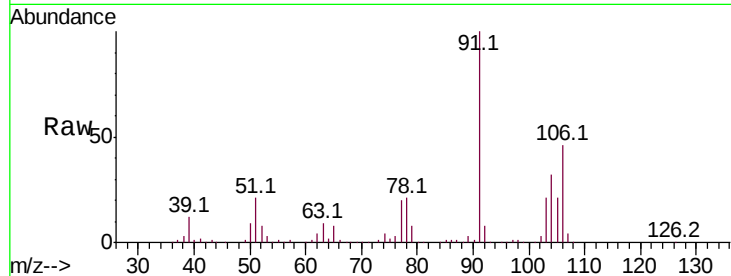




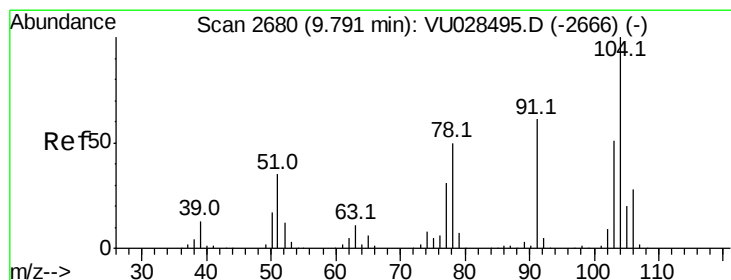
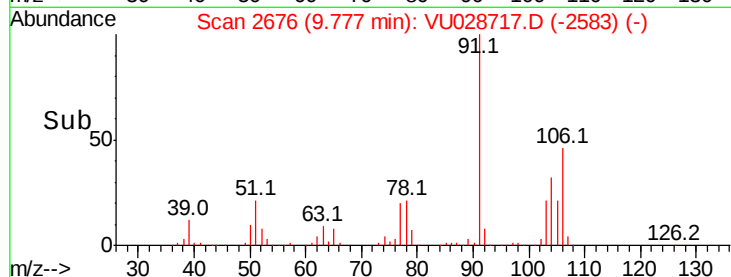
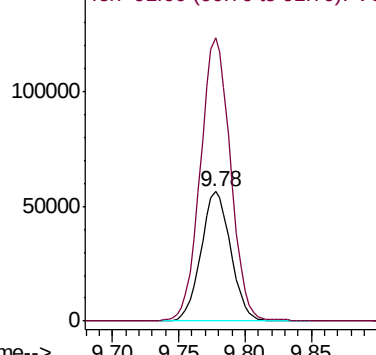
#69
o-Xylene
Concen: 50.905 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 88136
Ion Ratio Lower Upper
106 100
91 220.7 111.3 334.0

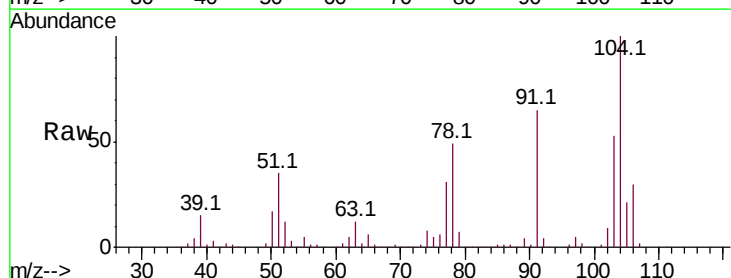


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

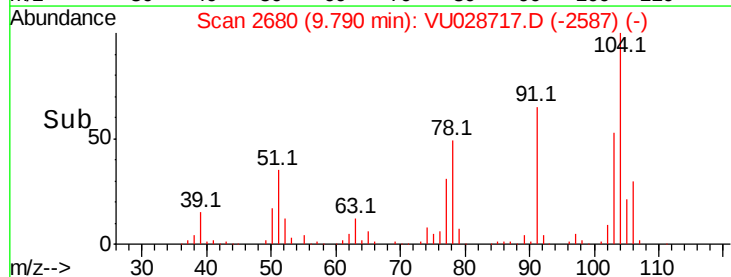
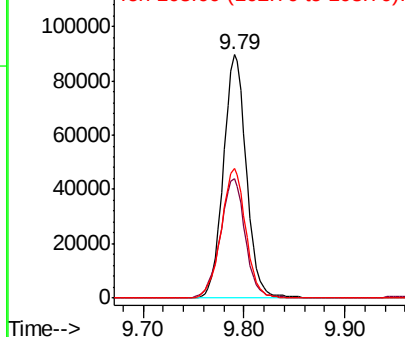


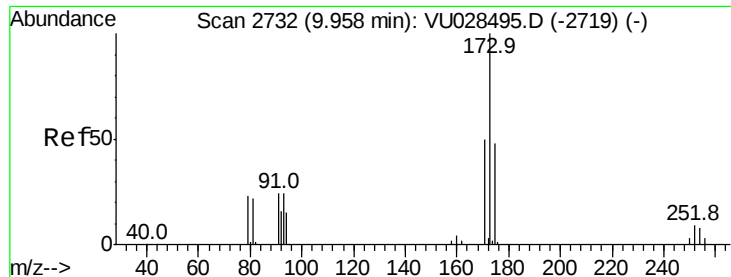
#70
Styrene
Concen: 50.004 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:104 Resp: 143276
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.6
103 56.7 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: 59.320 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

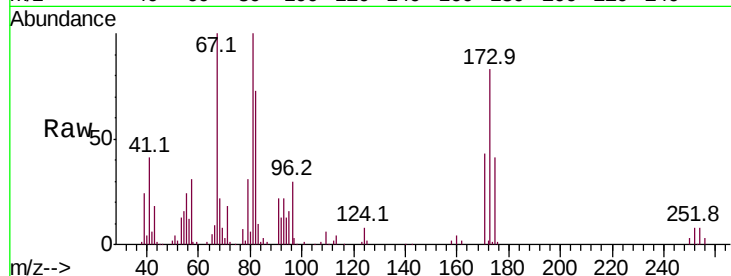
Tot Ion:173 Resp: 42920

Ion Ratio Lower Upper

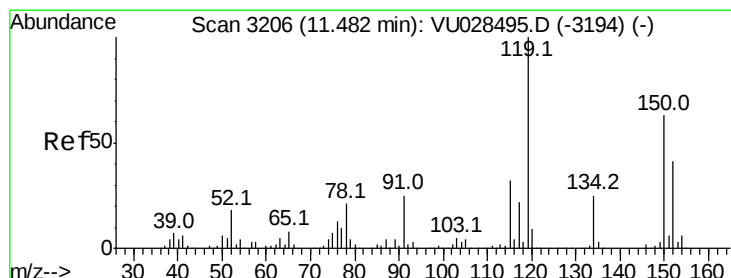
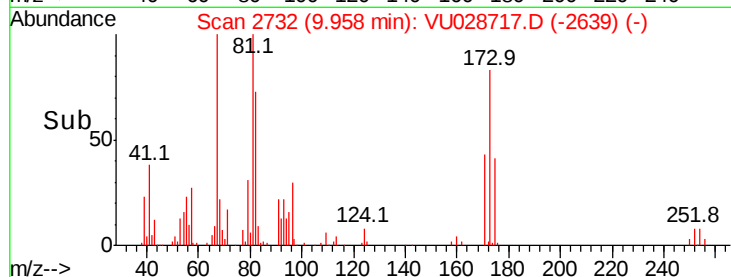
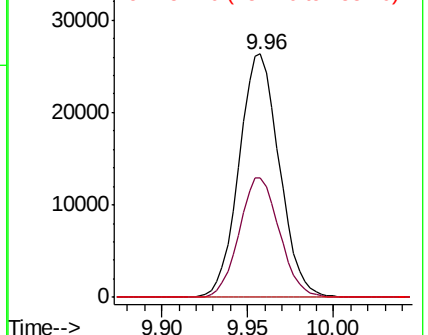
173 100

175 49.1 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: VU028717.D

Acq: 17 Dec 2018 13:54

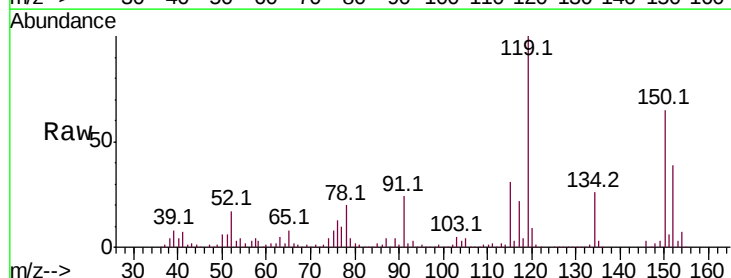
Tgt Ion:152 Resp: 59965

Ion Ratio Lower Upper

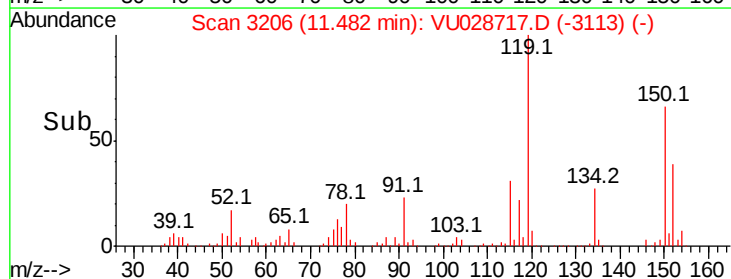
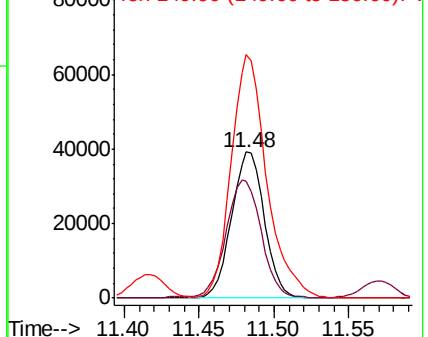
152 100

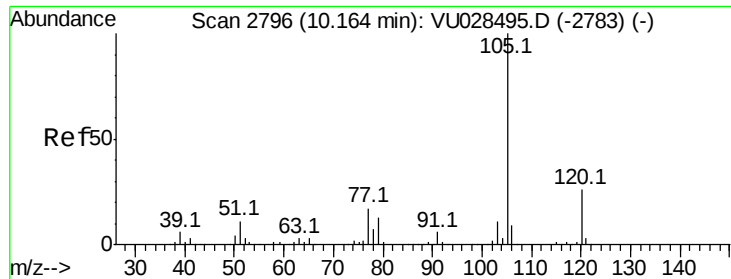
115 85.3 42.7 128.1

150 180.4 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: 267.493 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

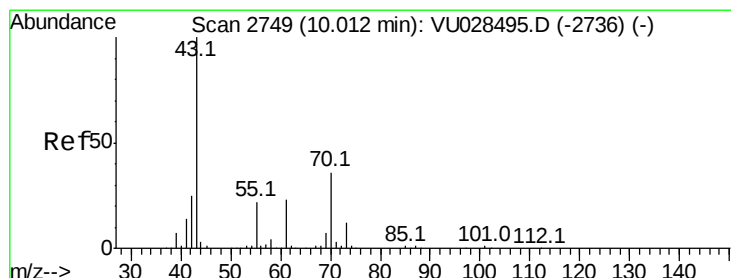
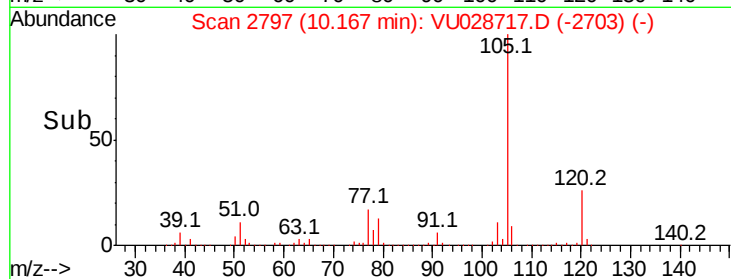
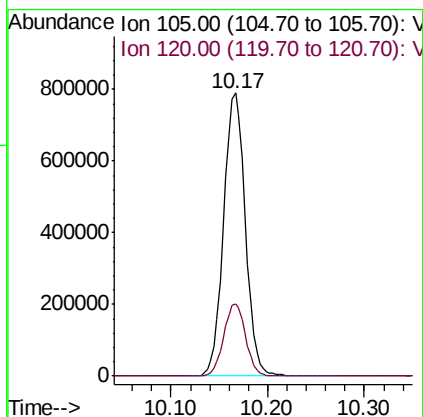
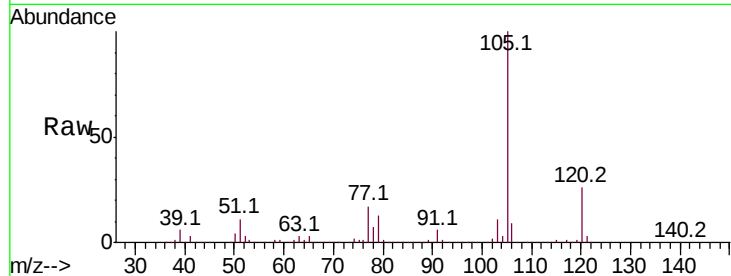
ClientSampleId :

Tot Ion:105 Resp: 1230822

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6



#74

N-ethyl acetate

Concen: 43.514 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion: 43 Resp: 115495

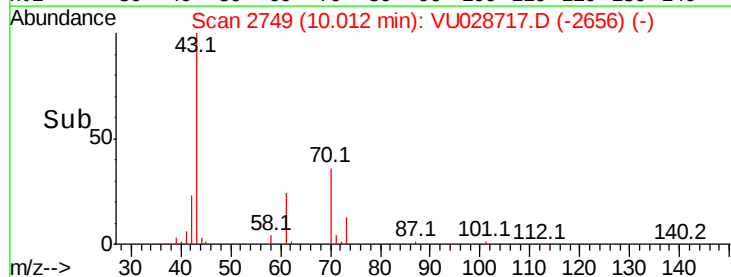
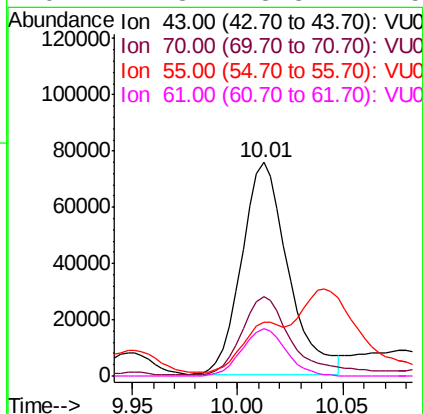
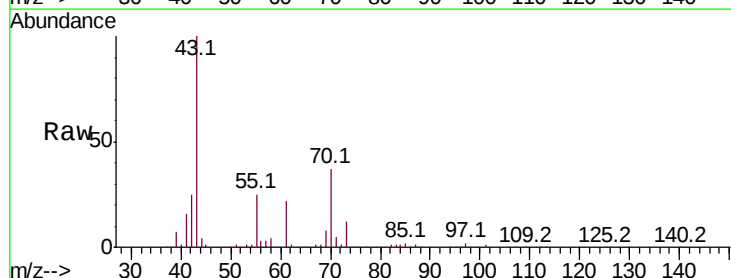
Ion Ratio Lower Upper

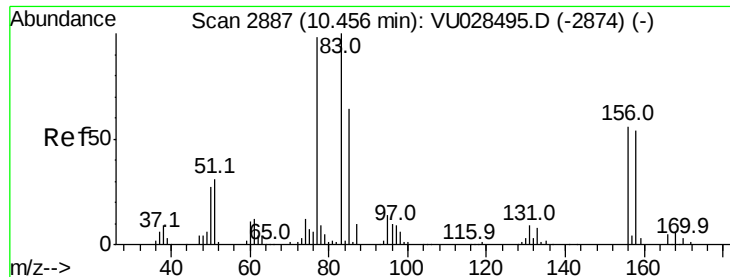
43 100

70 41.0 29.3 43.9

55 20.7 18.0 27.0

61 21.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 62.141 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampled :

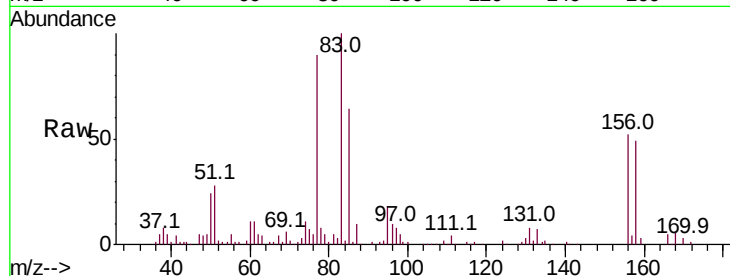
Tot Ion: 83 Resp: 109839

Ion	Ratio	Lower	Upper
83	100		
131	7.4	4.2	12.4
85	60.5	31.8	95.4

83 100

131 7.4 4.2 12.4

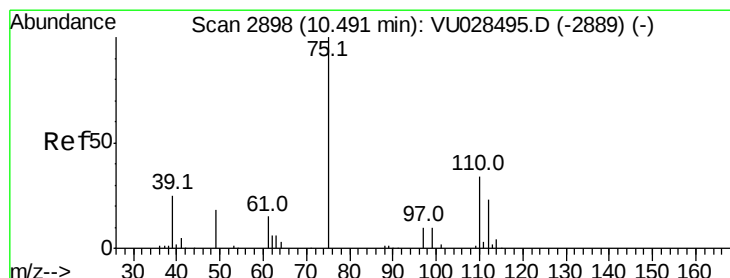
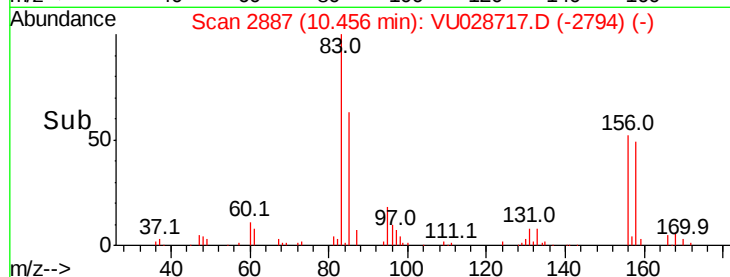
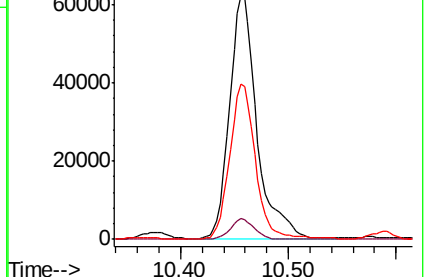
85 60.5 31.8 95.4



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: 69.527 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028717.D

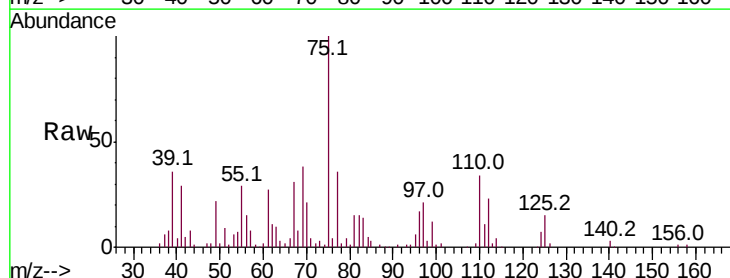
Acq: 17 Dec 2018 13:54

Tgt Ion: 75 Resp: 106461

Ion	Ratio	Lower	Upper
75	100		
77	31.9	20.8	62.4

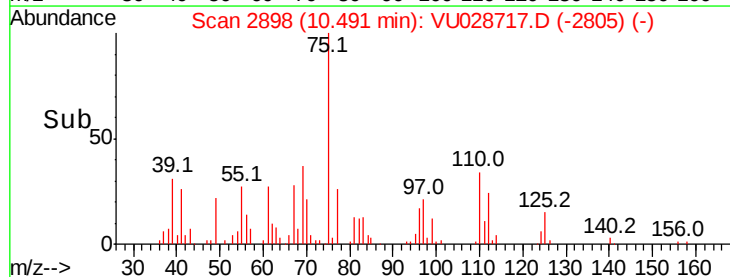
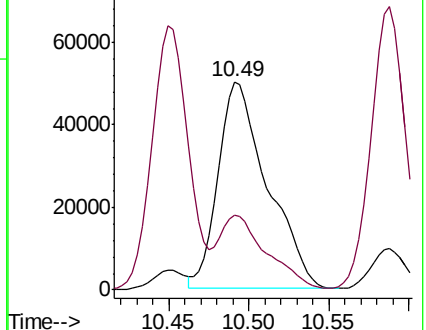
75 100

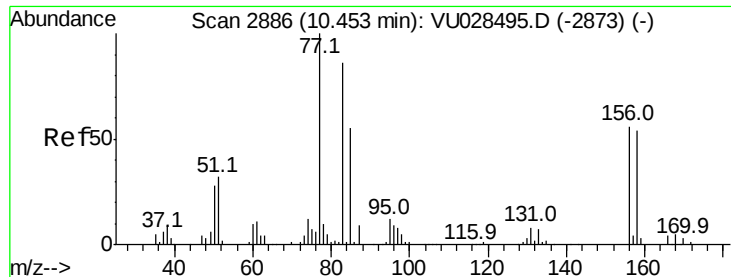
77 31.9 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 51.849 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

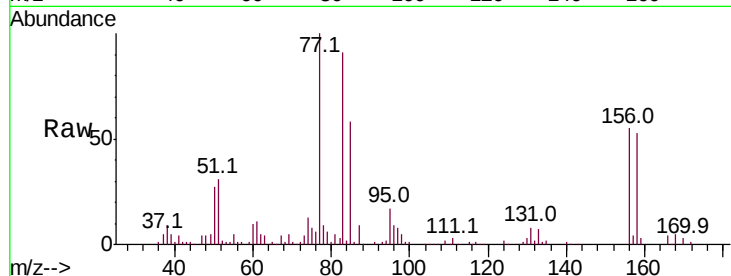
ClientSampleId :

Tot Ion:156 Resp: 55797

Ion	Ratio	Lower	Upper
156	100		
77	181.1	92.4	277.2
158	95.4	48.4	145.3

77 181.1 92.4 277.2

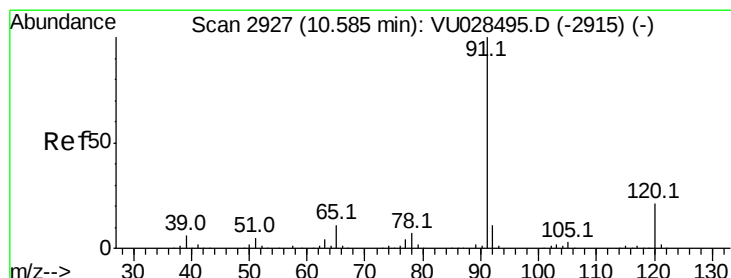
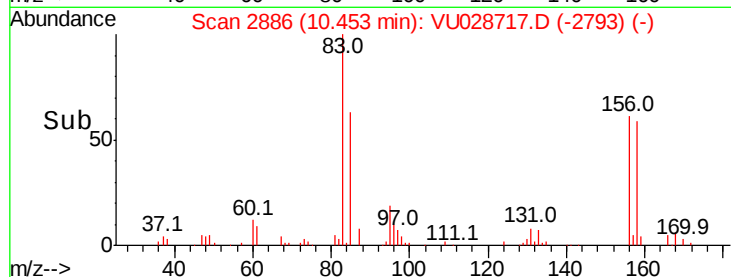
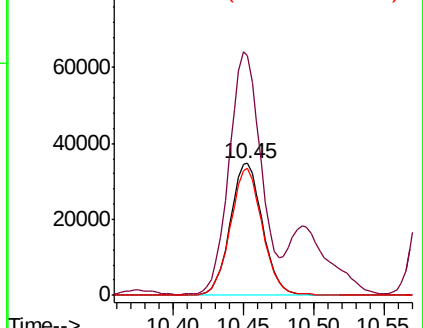
158 95.4 48.4 145.3



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: 452.941 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028717.D

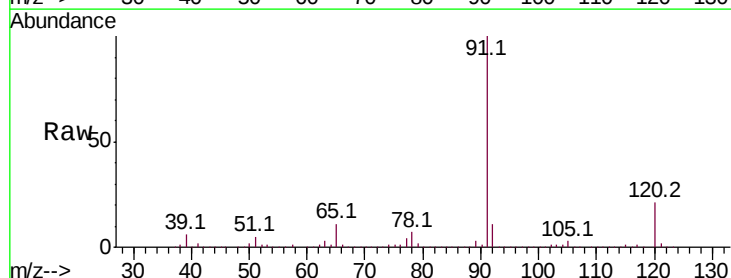
Acq: 17 Dec 2018 13:54

Tgt Ion: 91 Resp: 2589726

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.6	31.8

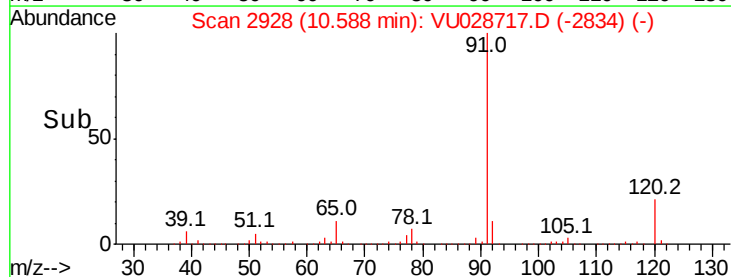
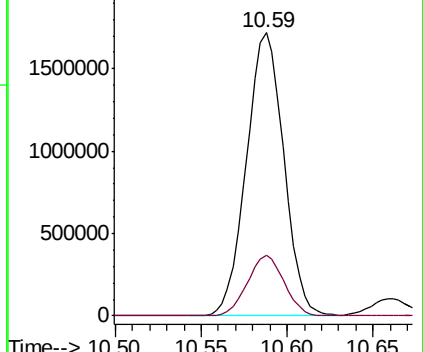
91 100

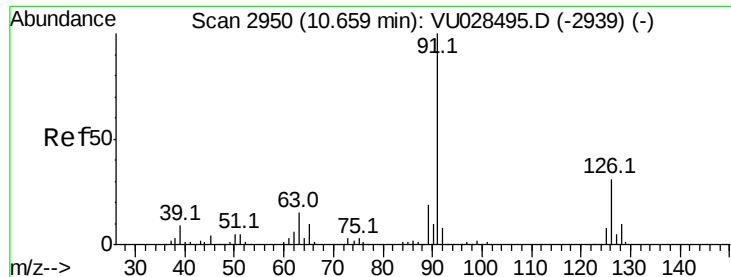
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

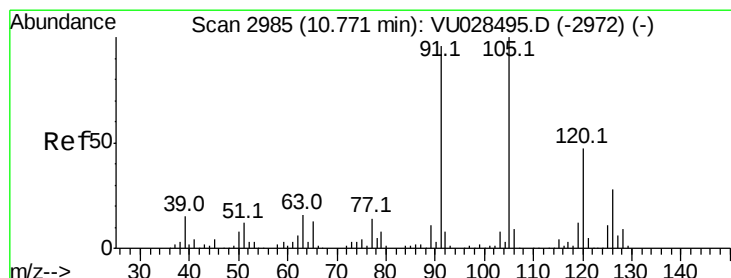
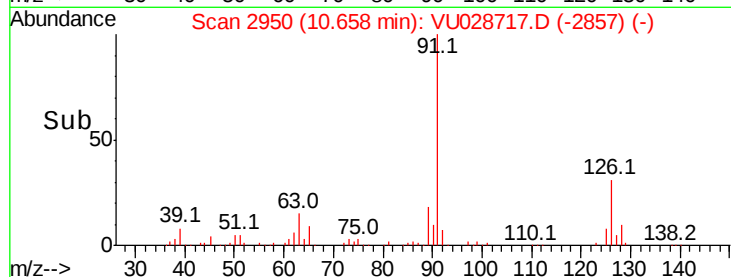
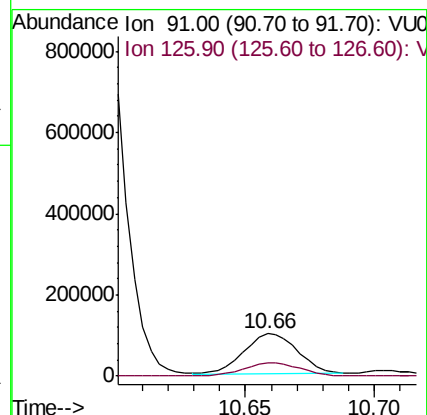
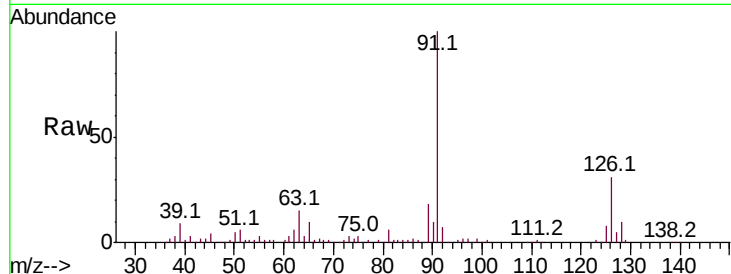




#79
2-Chlorotoluene
Concen: 44.018 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

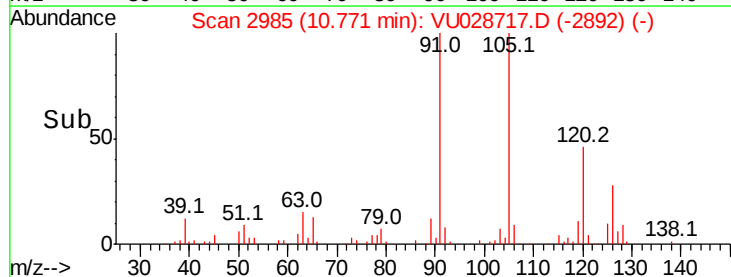
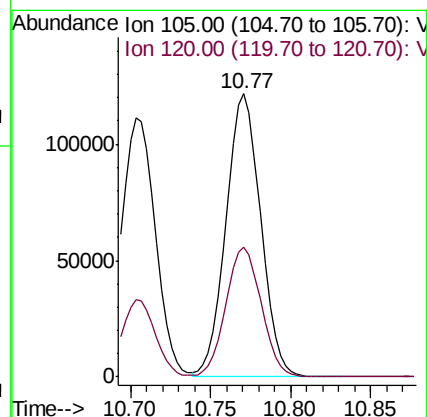
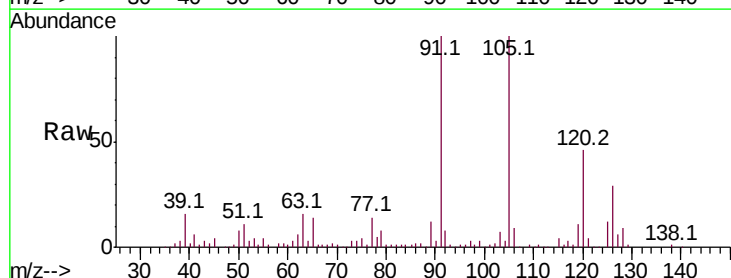
Instrument :
MSVOA_U
ClientSampled :

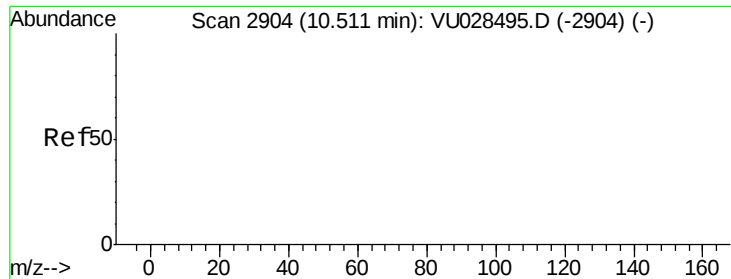
Tot Ion: 91 Resp: 144970
Ion Ratio Lower Upper
91 100
126 36.0 15.6 46.8



#80
1,3,5-Trimethylbenzene
Concen: 47.416 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:105 Resp: 180600
Ion Ratio Lower Upper
105 100
120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 171.940 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

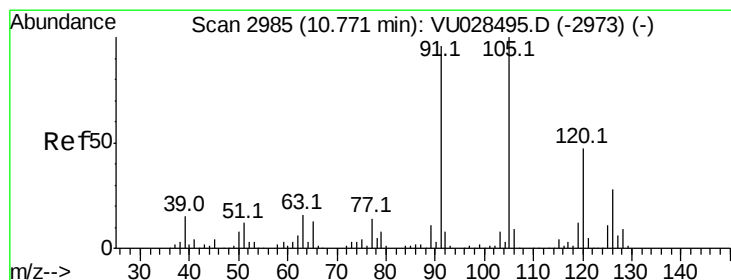
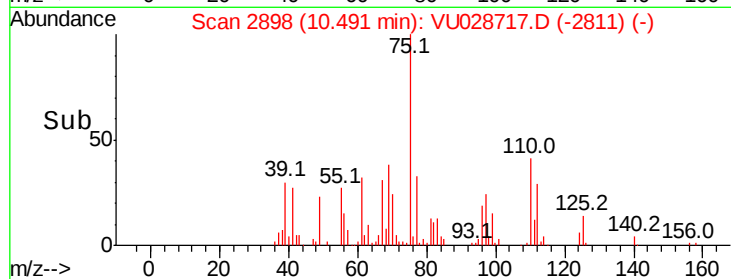
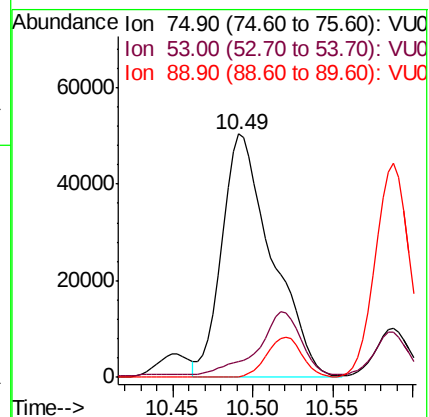
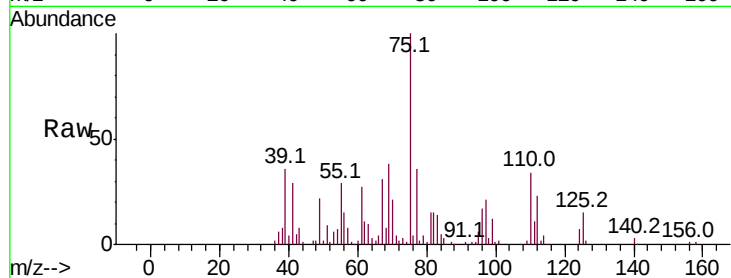
Tot Ion: 75 Resp: 107885

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 47.509 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028717.D

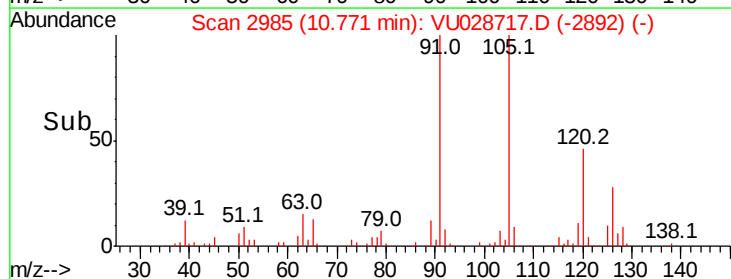
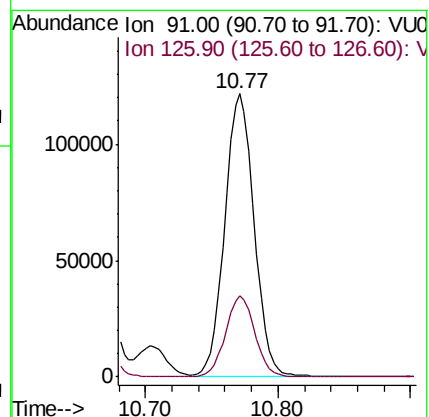
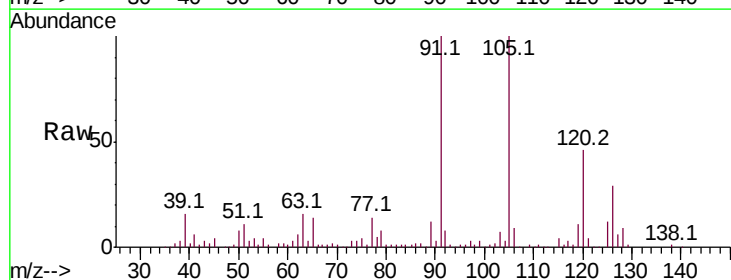
Acq: 17 Dec 2018 13:54

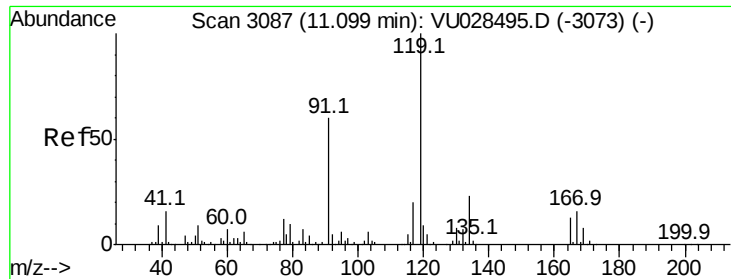
Tgt Ion: 91 Resp: 185418

Ion Ratio Lower Upper

91 100

126 28.7 14.1 42.3

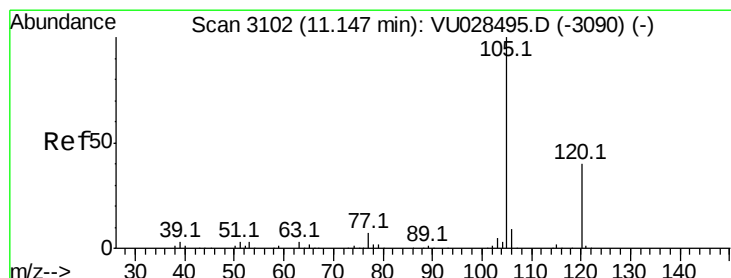
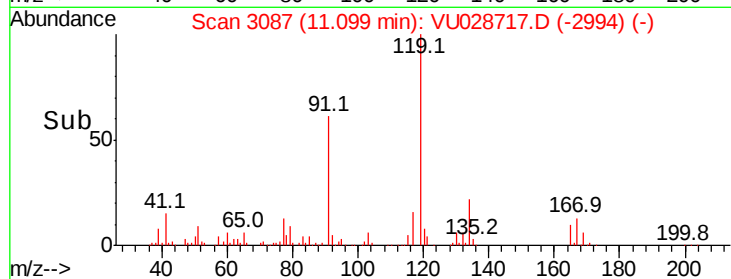
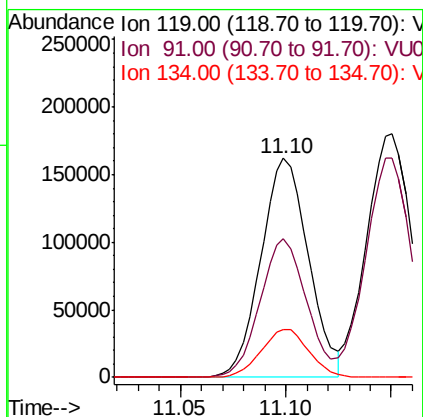
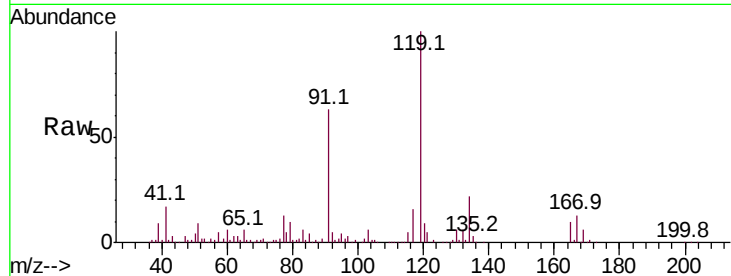




#83
tert-Butylbenzene
Concen: 69.317 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

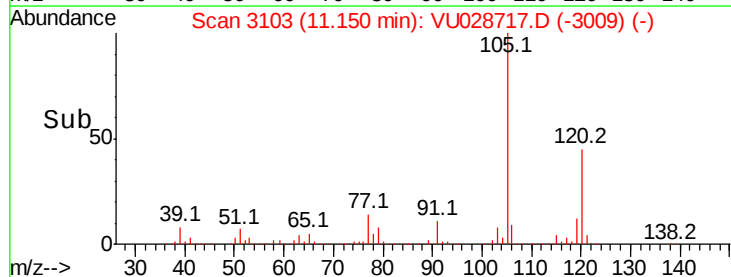
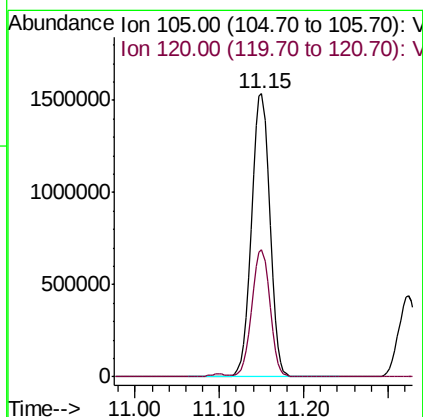
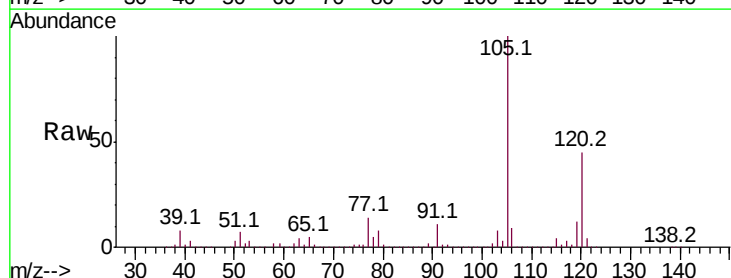
Instrument :
MSVOA_U
ClientSampleId :

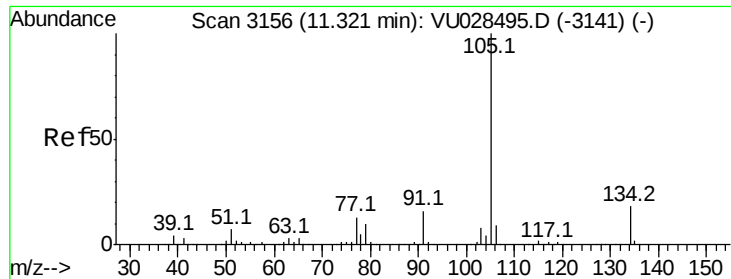
Tot Ion:119 Resp: 254475
Ion Ratio Lower Upper
119 100
91 61.3 30.3 91.0
134 22.0 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 590.394 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:105 Resp: 2317490
Ion Ratio Lower Upper
105 100
120 44.5 21.8 65.4

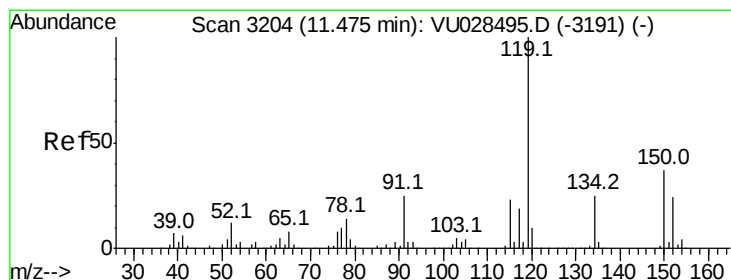
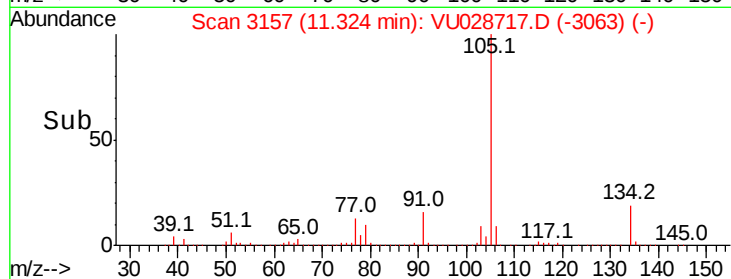
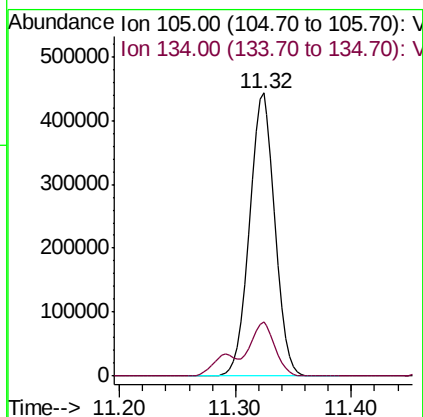
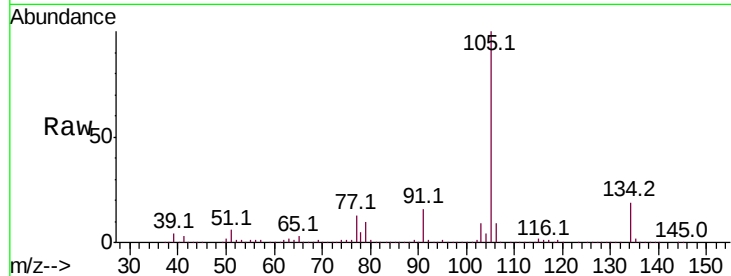




#85
 sec-Butylbenzene
 Concen: 143.344 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

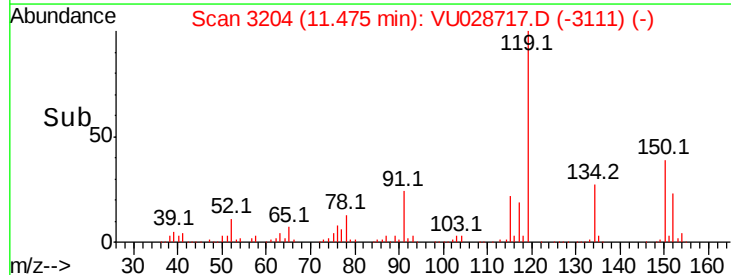
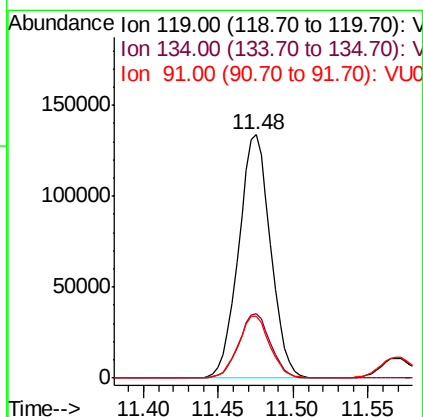
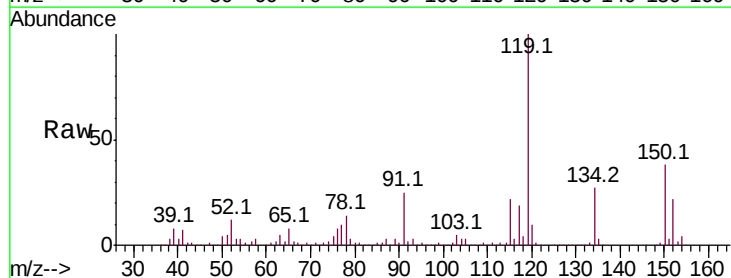
Instrument :
 MSVOA_U
 ClientSampleId :

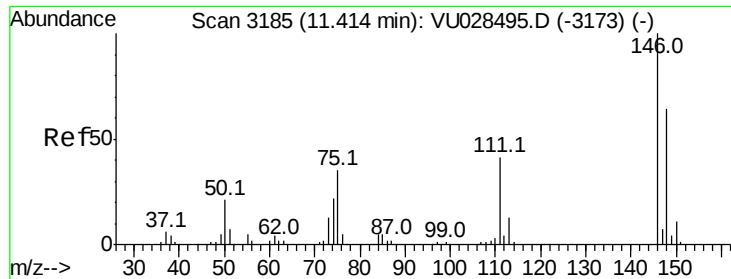
Tot Ion:105 Resp: 676054
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 49.494 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:119 Resp: 198289
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.7 38.1
 91 25.1 12.6 37.6

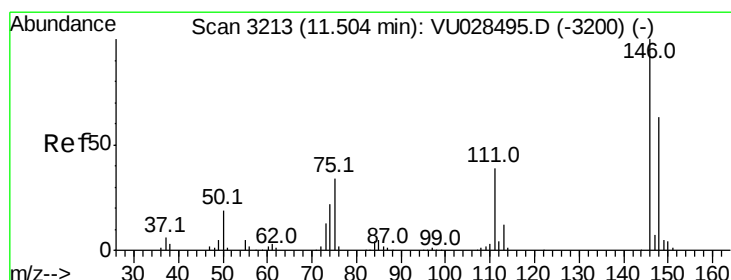
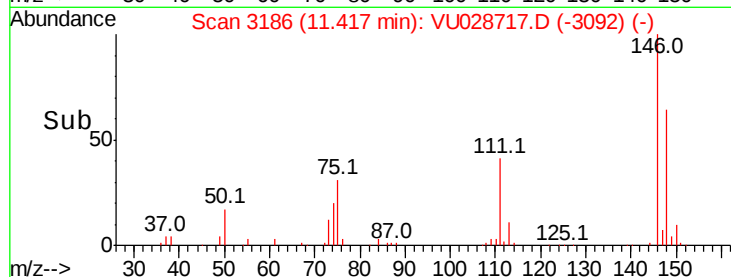
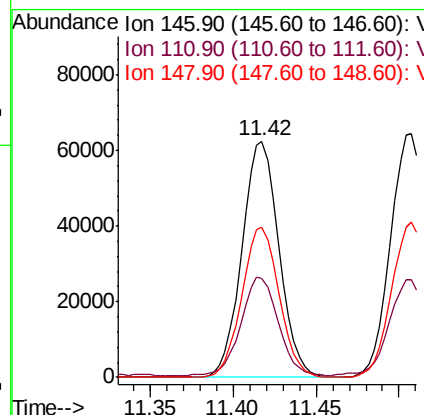
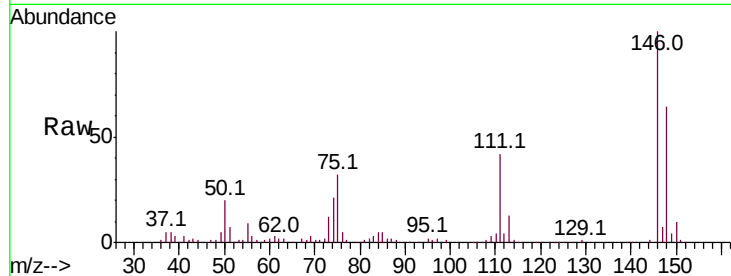




#87
 1,3-Dichlorobenzene
 Concen: 47.688 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

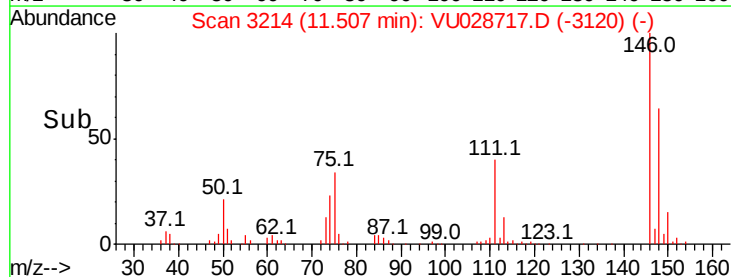
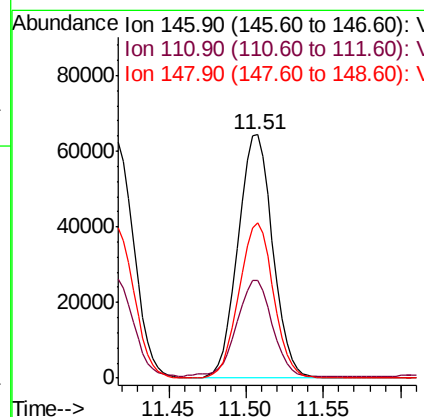
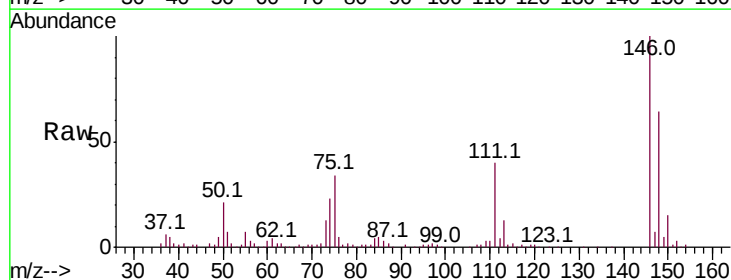
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 96904
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.7 62.1
 148 64.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.744 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:146 Resp: 100375
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.5
 148 63.5 31.6 95.0





#89

n-Butylbenzene

Concen: 99.475 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

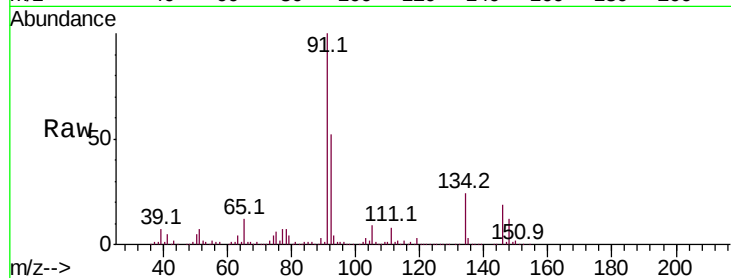
Tot Ion: 91 Resp: 403331

Ion Ratio Lower Upper

91 100

92 48.9 26.3 78.9

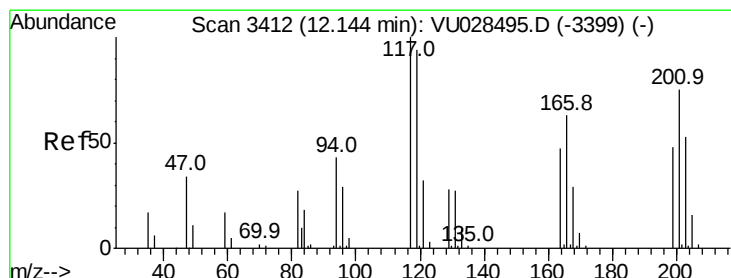
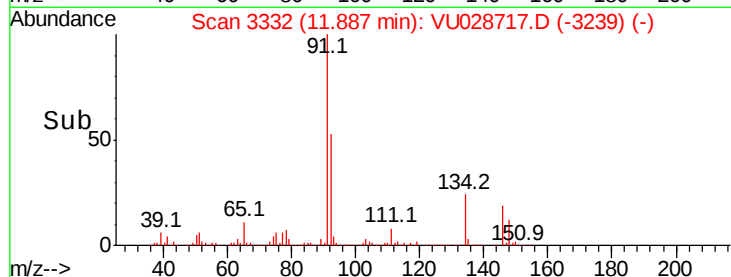
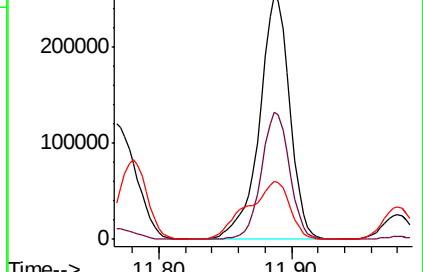
134 33.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)



#90

Hexachloroethane

Concen: 70.043 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028717.D

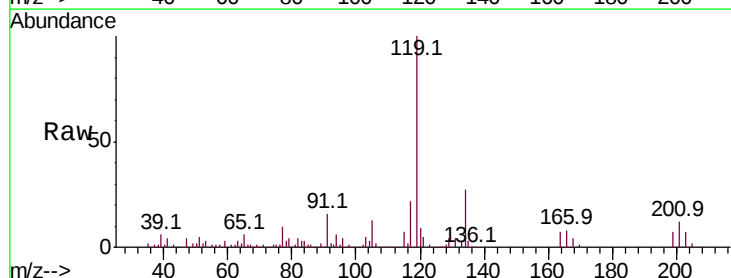
Acq: 17 Dec 2018 13:54

Tgt Ion: 117 Resp: 42414

Ion Ratio Lower Upper

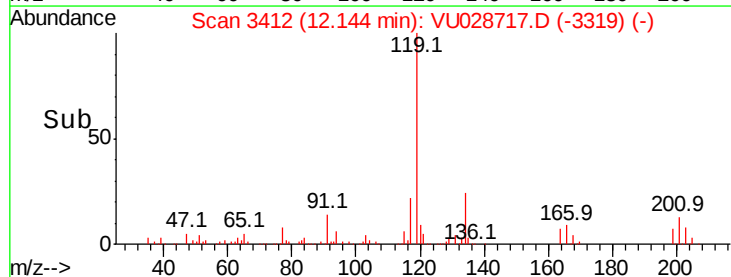
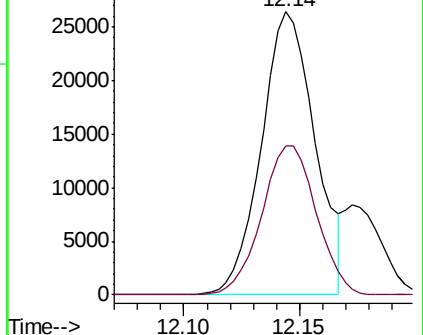
117 100

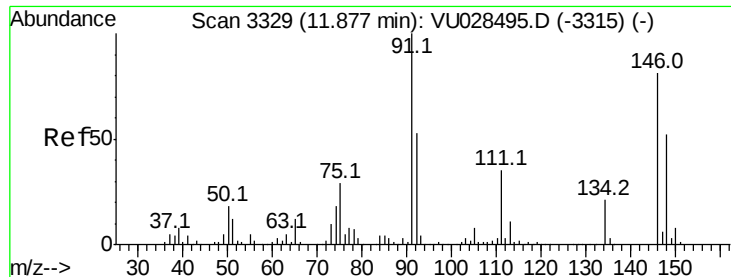
201 53.6 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

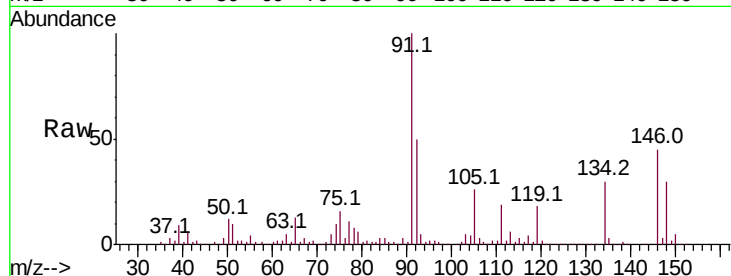




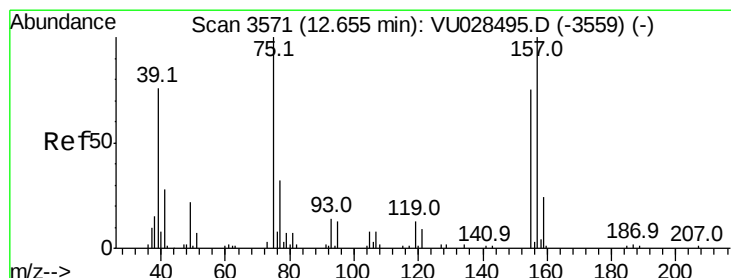
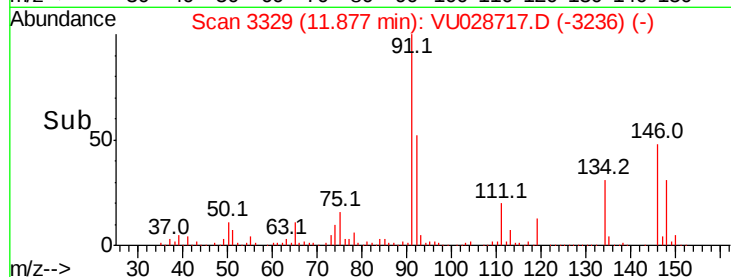
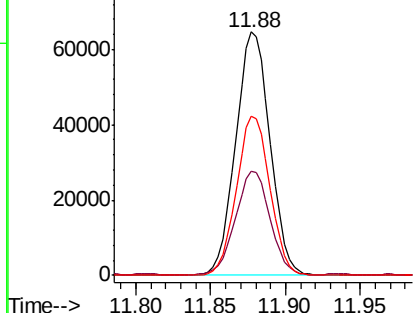
#91
 1,2-Dichlorobenzene
 Concen: 50.796 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	63.9	31.4	94.2

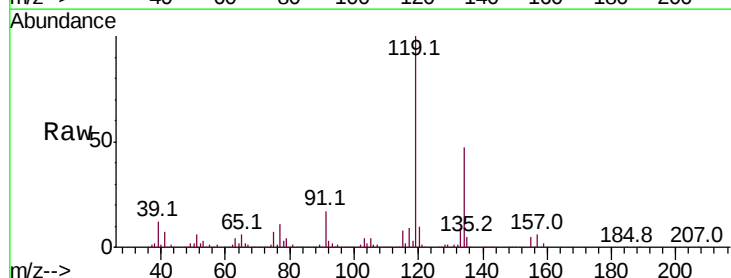


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

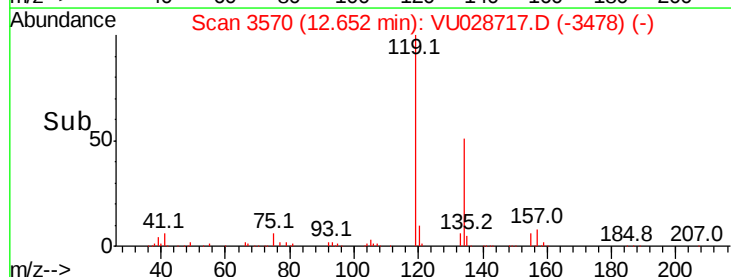
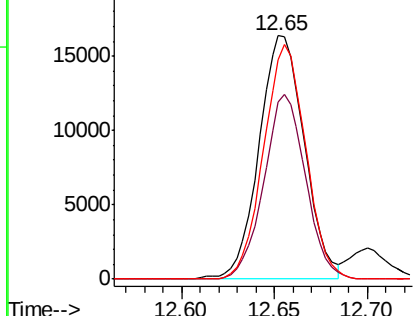


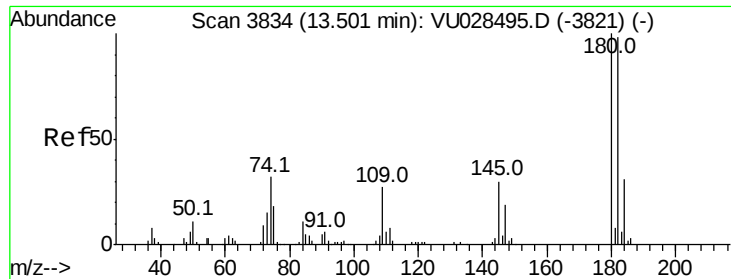
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 72.657 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	38.1	114.5
157	89.4	48.7	146.1



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

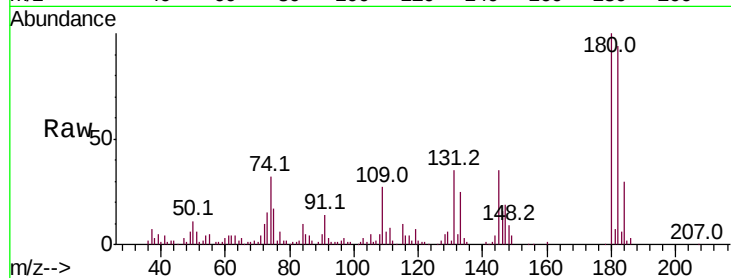




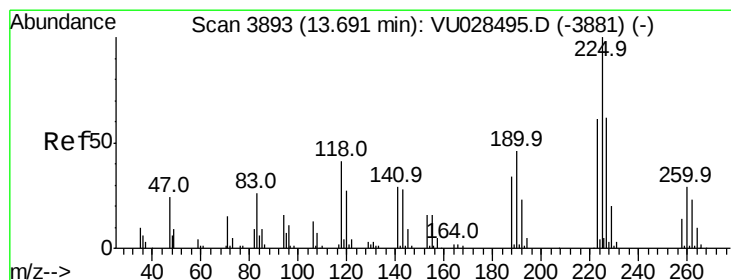
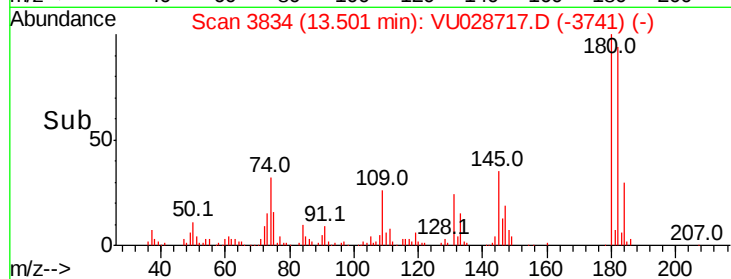
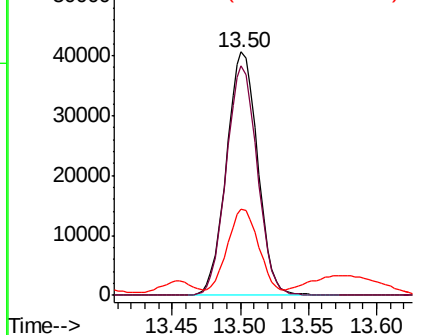
#93
 1,2,4-Trichlorobenzene
 Concen: 46.281 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 64553
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.9 143.8
 145 35.2 15.0 45.1

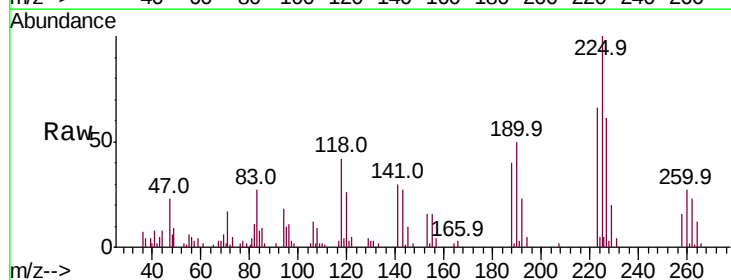


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

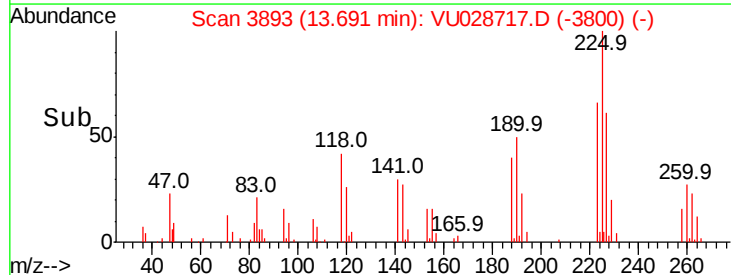
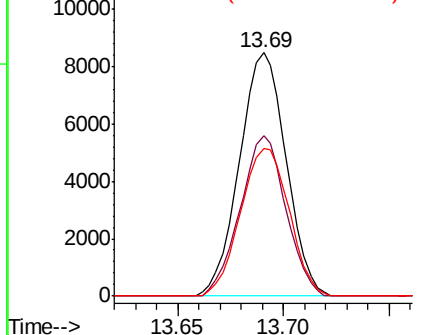


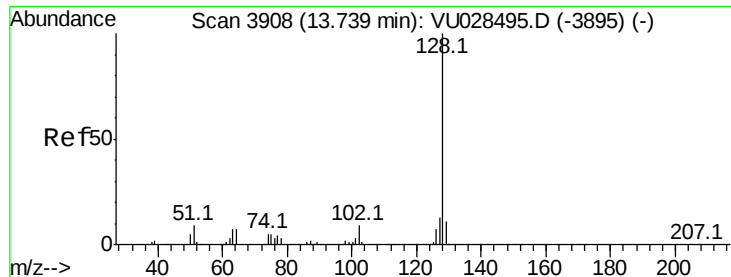
#94
 Hexachlorobutadiene
 Concen: 19.659 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:225 Resp: 13089
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.4 91.2
 227 63.0 30.7 92.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

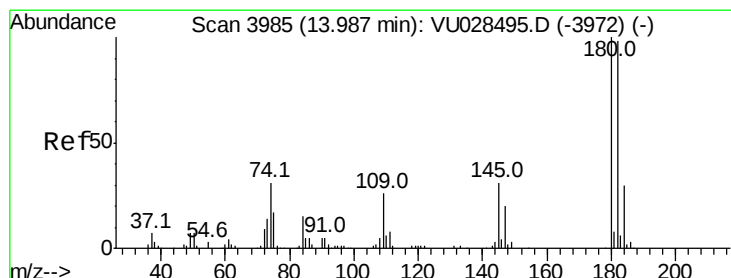
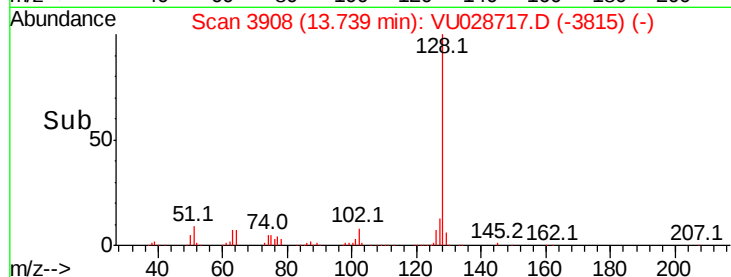
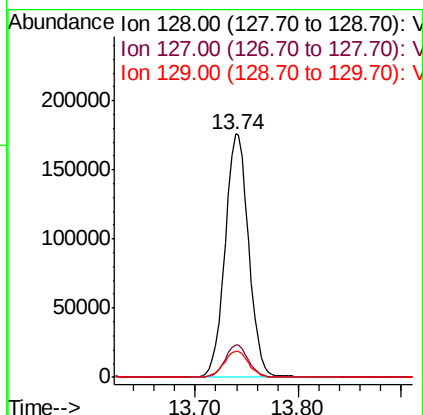
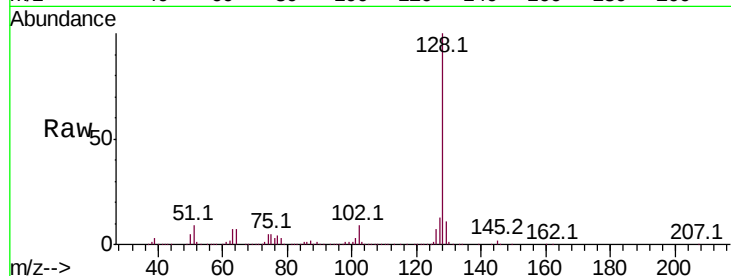




#95
Naphthalene
Concen: 57.530 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 280601
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.200 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:180 Resp: 66995
Ion Ratio Lower Upper
180 100
182 96.0 48.2 144.6
145 36.8 15.8 47.3

