

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
 Data File : VU028734.D
 Acq On : 17 Dec 2018 20:44
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:11:33 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	77030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	136677	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	62868	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	4.88	113	46730	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	7.56	98	181892	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	10.31	95	66491	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	47491	45.997	ug/l	98
3) Chloromethane	1.33	50	84892	44.722	ug/l	100
4) Vinyl Chloride	1.40	62	64664	47.205	ug/l	99
5) Bromomethane	1.60	94	27714	50.224	ug/l	95
6) Chloroethane	1.68	64	37431	48.266	ug/l	100
7) Trichlorofluoromethane	1.88	101	70971	49.243	ug/l	98
8) Diethyl Ether	2.10	74	31623	46.898	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	42166	48.918	ug/l	99
10) Methyl Iodide	2.41	142	44614	65.964	ug/l	99
11) Tert butyl alcohol	2.83	59	64356	245.725	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40496	47.218	ug/l	98
13) Acrolein	2.19	56	56278	269.548	ug/l	99
14) Allyl chloride	2.59	41	97202	47.909	ug/l	99
15) Acrylonitrile	2.93	53	201782	277.506	ug/l	98
16) Acetone	2.32	43	159226	207.572	ug/l	99
17) Carbon Disulfide	2.47	76	137108	44.376	ug/l	99
18) Methyl Acetate	2.61	43	121331	61.017	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	166249	51.134	ug/l	99
20) Methylene Chloride	2.70	84	53209	47.054	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	46971	48.643	ug/l	98
22) Diisopropyl ether	3.57	45	211123	53.510	ug/l	98
23) Vinyl Acetate	3.52	43	854342	262.517	ug/l	99
24) 1,1-Dichloroethane	3.44	63	104917	50.800	ug/l	98
25) 2-Butanone	4.26	43	271089	258.599	ug/l	99
26) 2,2-Dichloropropane	4.22	77	74280	45.391	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	54783	50.124	ug/l	98
28) Bromochloromethane	4.55	49	52761	56.195	ug/l	97
29) Tetrahydrofuran	4.64	42	184434	273.942	ug/l	98
30) Chloroform	4.67	83	93317	51.841	ug/l	96
31) Cyclohexane	4.99	56	99035	49.117	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	76208	50.975	ug/l	98
36) 1,1-Dichloropropene	5.13	75	70283	46.992	ug/l	99
37) Ethyl Acetate	4.38	43	103452	53.507	ug/l	99
38) Carbon Tetrachloride	5.13	117	58986	48.931	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	82879	45.422	ug/l	99
40) Benzene	5.39	78	218990	49.714	ug/l	98
41) Methacrylonitrile	4.54	41	58482	55.233	ug/l	98
42) 1,2-Dichloroethane	5.40	62	77348	50.164	ug/l	100
43) Isopropyl Acetate	5.55	43	162347	53.088	ug/l	100
44) Trichloroethene	6.18	130	47120	48.109	ug/l	96
45) 1,2-Dichloropropane	6.43	63	64767	52.286	ug/l	97
46) Dibromomethane	6.56	93	37446	50.949	ug/l	99
47) Bromodichloromethane	6.76	83	72953	51.009	ug/l	100
48) Methyl methacrylate	6.62	41	82788	54.437	ug/l	99
49) 1,4-Dioxane	6.61	88	22512	937.499	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	529163	274.353	ug/l	99
52) Toluene	7.64	92	129119	49.806	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85181	50.008	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	92030	49.799	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	53481	52.189	ug/l	99
56) Ethyl methacrylate	8.02	69	93602	53.339	ug/l	100
57) 1,3-Dichloropropane	8.24	76	97822	51.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	245203	272.798	ug/l	100
59) 2-Hexanone	8.36	43	407209	266.366	ug/l	99
60) Dibromochloromethane	8.48	129	52192	52.020	ug/l	99
61) 1,2-Dibromoethane	8.58	107	56771	52.828	ug/l	100
64) Tetrachloroethene	8.22	164	40785	48.114	ug/l	99
65) Chlorobenzene	9.12	112	133096	49.149	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	46090	53.298	ug/l	99
67) Ethyl Benzene	9.25	91	246389	49.494	ug/l	99
68) m/p-Xylenes	9.37	106	180541	99.667	ug/l	98
69) o-Xylene	9.78	106	88838	50.466	ug/l	99
70) Styrene	9.79	104	147114	50.498	ug/l	99
71) Bromoform	9.96	173	40760	55.407	ug/l #	99
73) Isopropylbenzene	10.16	105	237340	49.157	ug/l	100
74) N-amyl acetate	10.01	43	146974	52.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	98916	53.332	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	116830	72.713	ug/l	82
77) Bromobenzene	10.45	156	55937	49.537	ug/l	99
78) n-propylbenzene	10.58	91	292236	48.710	ug/l	99
79) 2-Chlorotoluene	10.66	91	170465	49.326	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	198952	49.780	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	116830	177.429	ug/l #	100
82) 4-Chlorotoluene	10.77	91	196421	47.963	ug/l	99
83) tert-Butylbenzene	11.10	119	192417	49.949	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	205024	49.776	ug/l	99
85) sec-Butylbenzene	11.32	105	241034	48.705	ug/l	98
86) p-Isopropyltoluene	11.48	119	204402	48.622	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	102023	47.848	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	103161	46.763	ug/l	99
89) n-Butylbenzene	11.89	91	198391	46.631	ug/l	99
90) Hexachloroethane	12.14	117	33595	52.872	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	103499	48.527	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22098	55.032	ug/l	99

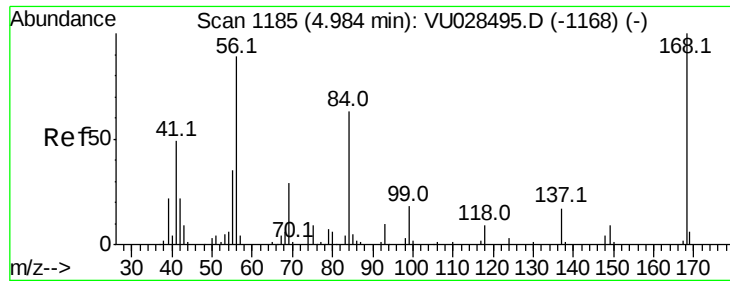
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	68006	46.462	ug/l	99
94) Hexachlorobutadiene	13.69	225	31361	44.889	ug/l	97
95) Naphthalene	13.74	128	244114	47.698	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69568	47.700	ug/l	99

(#) = 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: VU028734.D

Acq: 17 Dec 2018 20:44

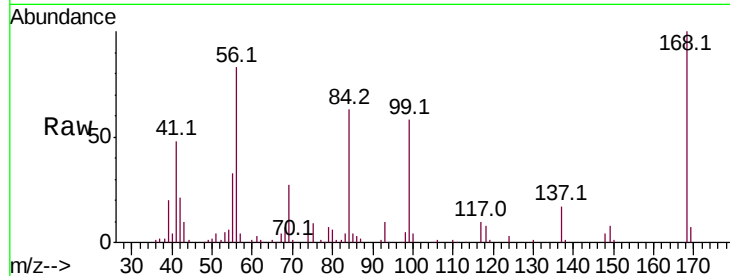
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 77030

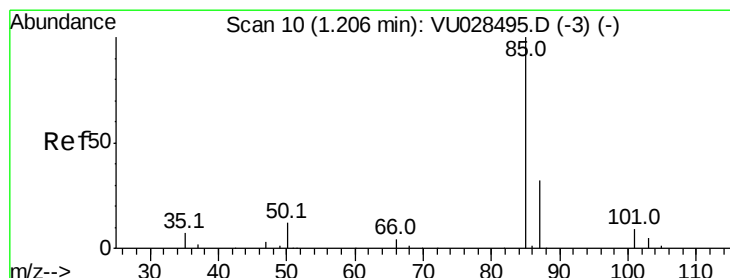
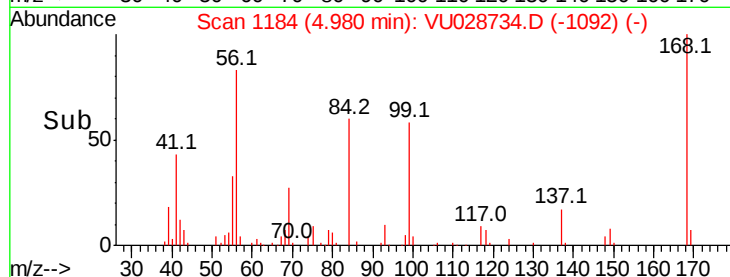
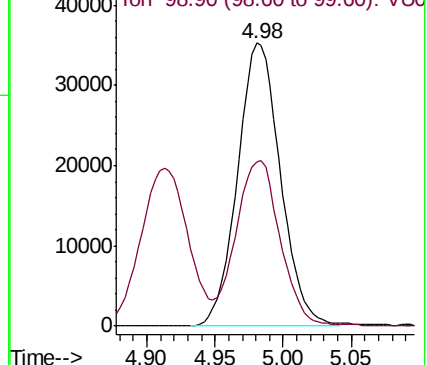
Ion Ratio Lower Upper

168 100

99 57.5 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 45.997 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028734.D

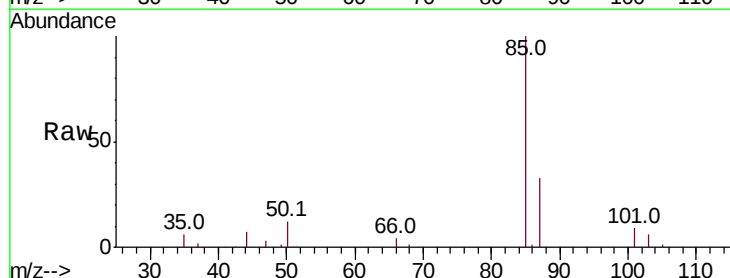
Acq: 17 Dec 2018 20:44

Tgt Ion: 85 Resp: 47491

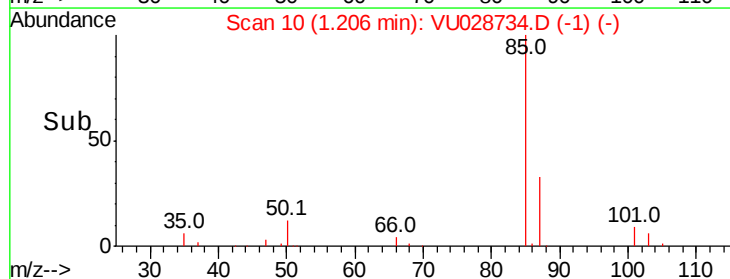
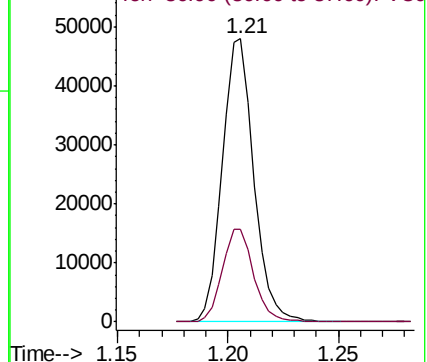
Ion Ratio Lower Upper

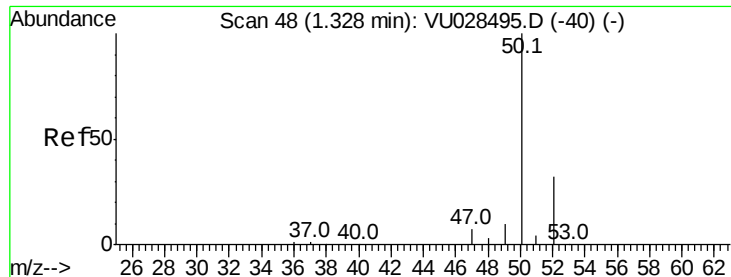
85 100

87 32.9 15.9 47.6



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





#3

Chloromethane

Concen: 44.722 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

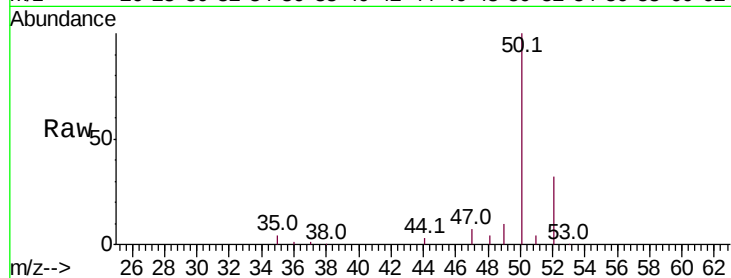
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 84892

Ion Ratio Lower Upper

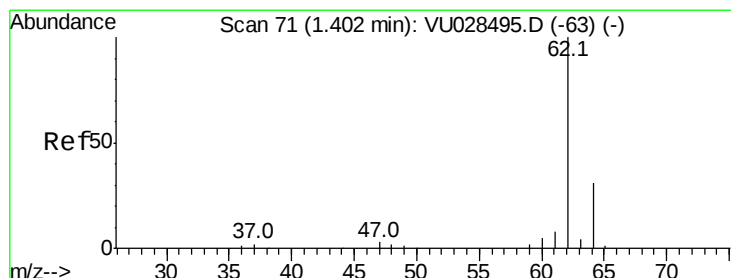
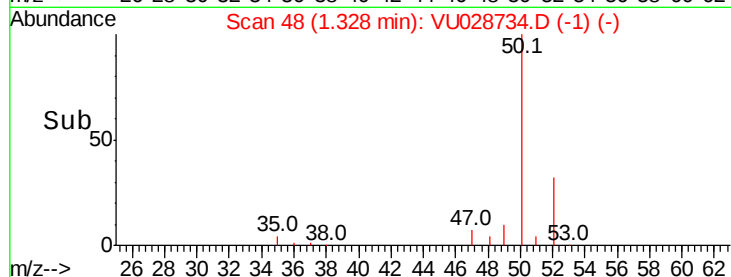
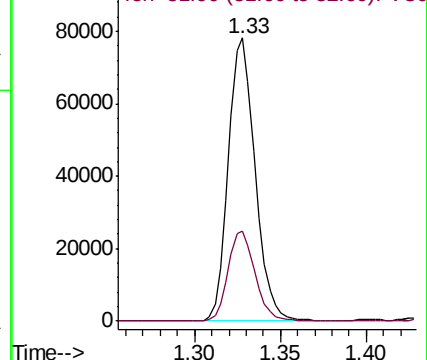
50 100

52 31.6 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: 47.205 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028734.D

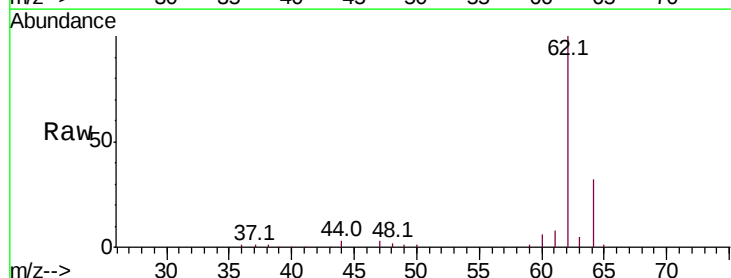
Acq: 17 Dec 2018 20:44

Tgt Ion: 62 Resp: 64664

Ion Ratio Lower Upper

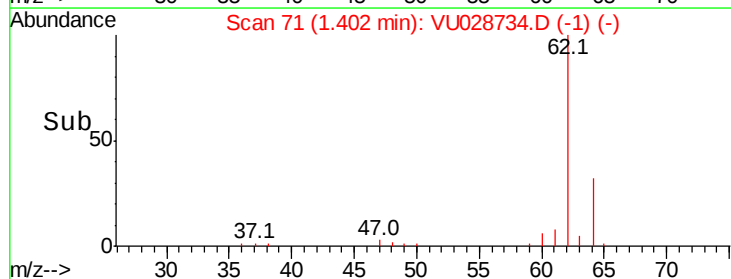
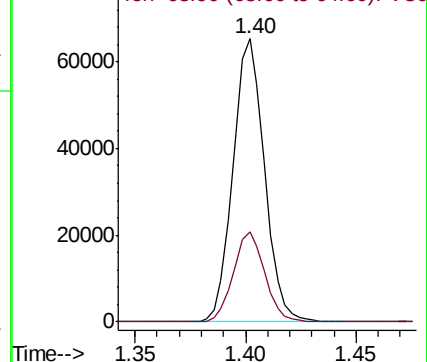
62 100

64 31.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

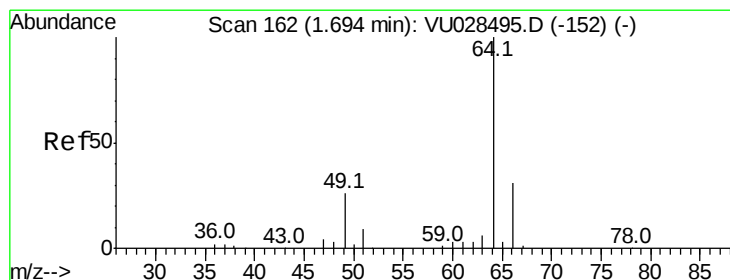
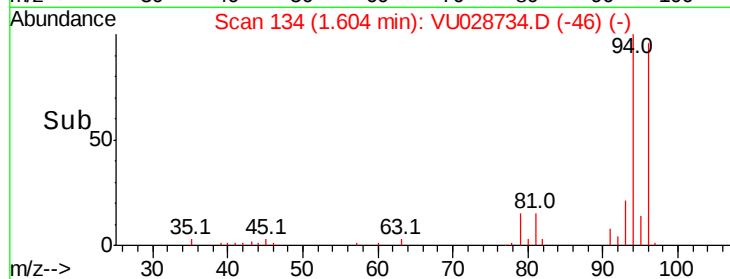
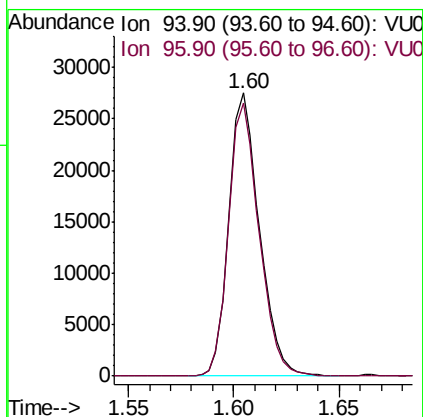
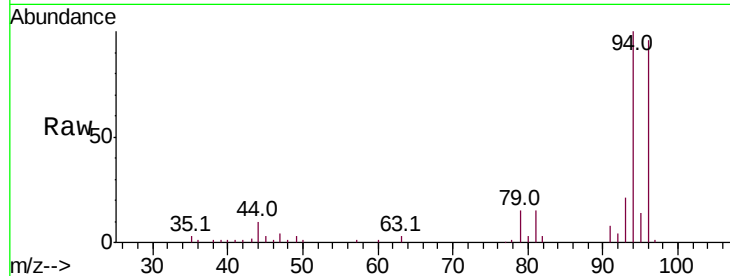




#5
Bromomethane
Concen: 50.224 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

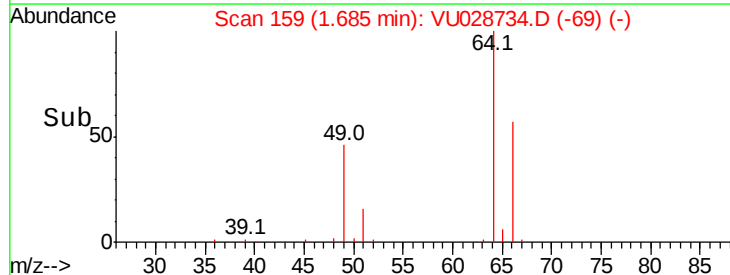
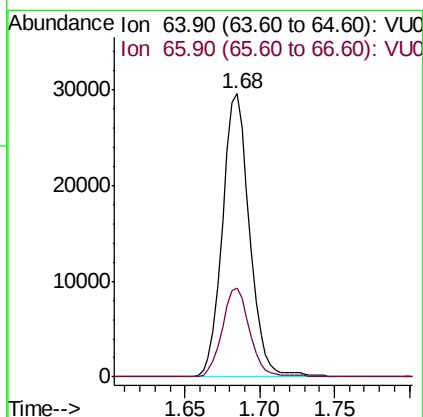
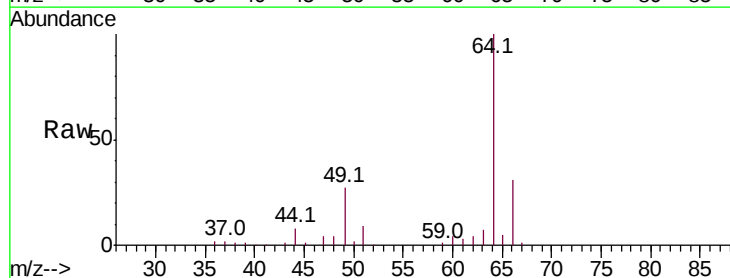
Instrument :
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ClientSampleId :

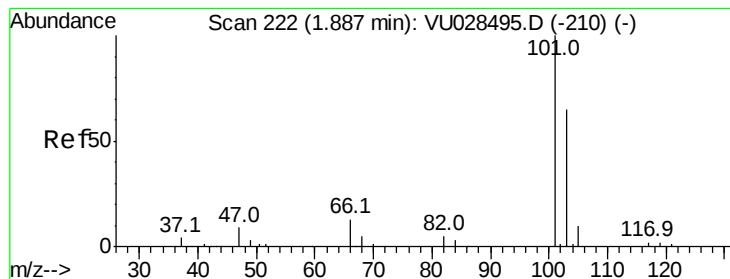
Tot Ion: 94 Resp: 27714
Ion Ratio Lower Upper
94 100
96 96.4 73.2 109.8



#6
Chloroethane
Concen: 48.266 ug/l
RT: 1.68 min Scan# 159
Delta R.T. -0.01 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 64 Resp: 37431
Ion Ratio Lower Upper
64 100
66 31.3 25.0 37.6



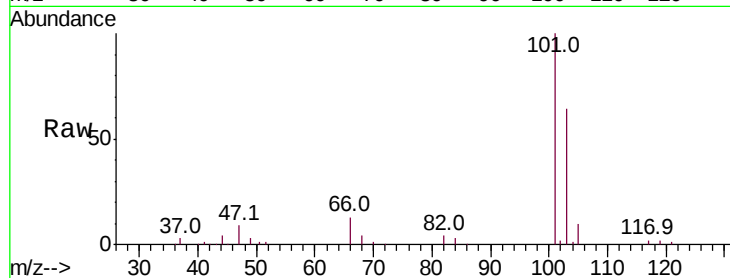


#7

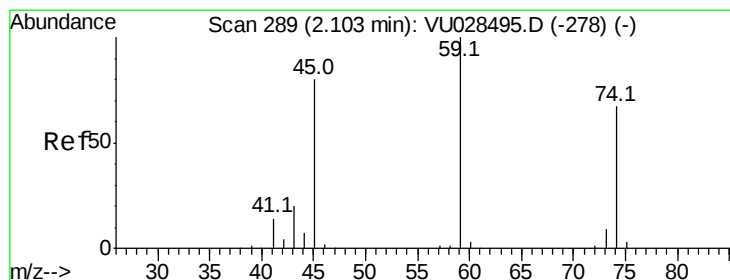
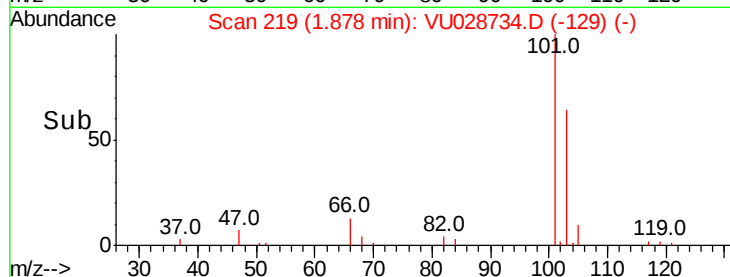
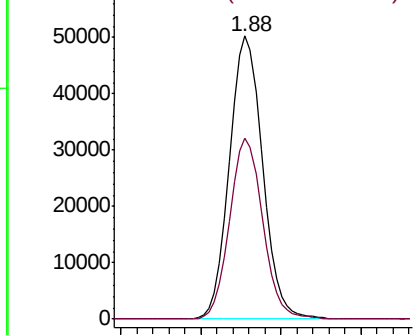
Trichlorofluoromethane
Concen: 49.243 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:101 Resp: 70971
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5



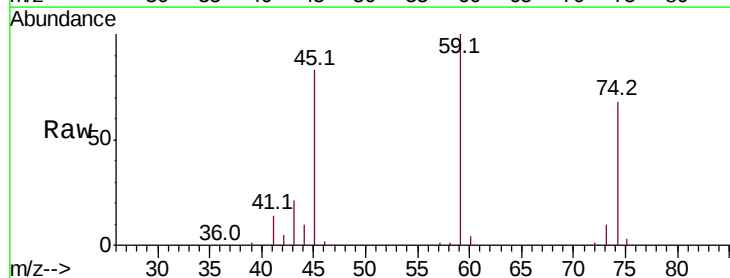
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



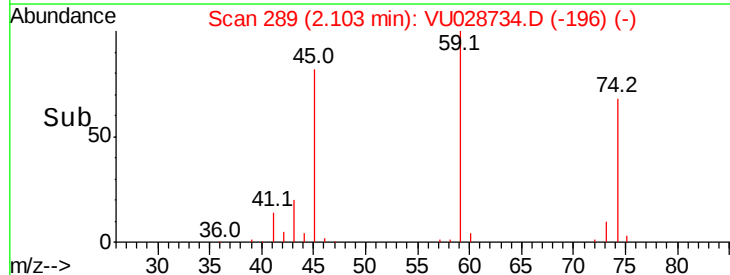
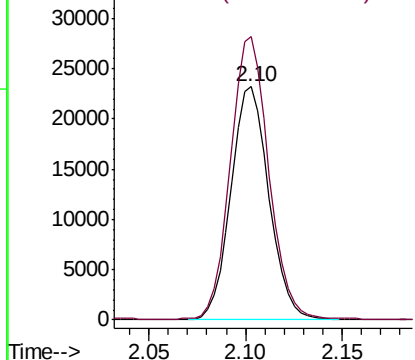
#8

Diethyl Ether
Concen: 46.898 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 74 Resp: 31623
Ion Ratio Lower Upper
74 100
45 123.6 59.7 179.0



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.918 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

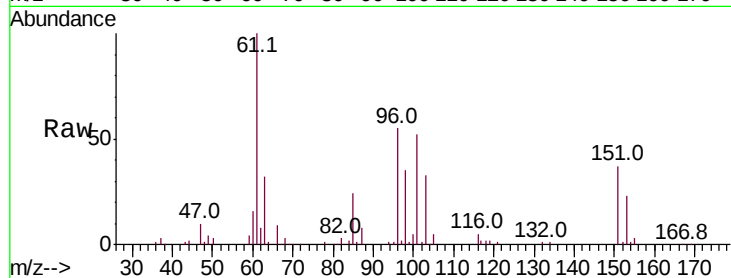
Tot Ion:101 Resp: 42166

Ion Ratio Lower Upper

101 100

85 46.1 36.4 54.6

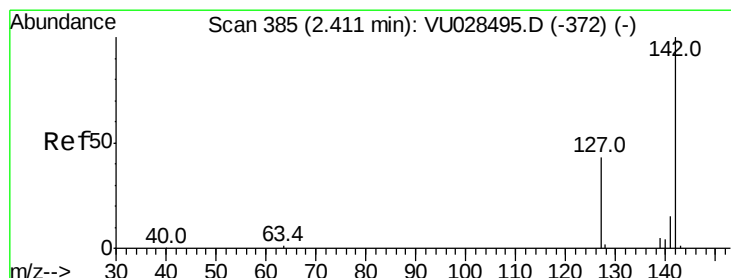
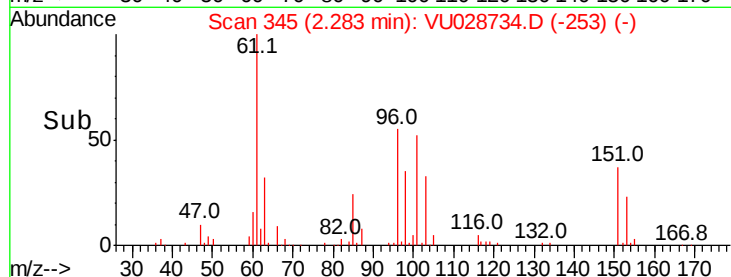
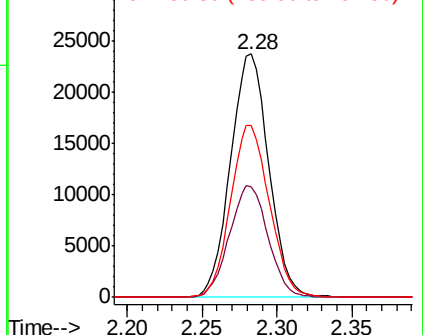
151 71.8 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 65.964 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

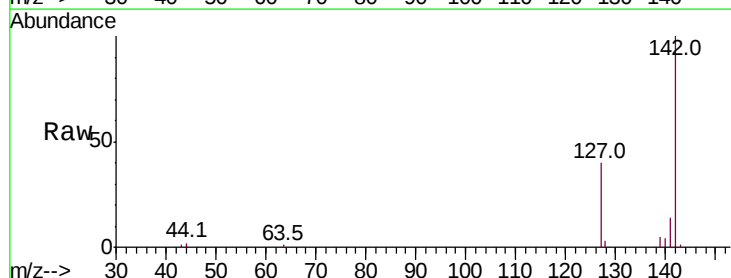
Tgt Ion:142 Resp: 44614

Ion Ratio Lower Upper

142 100

127 41.1 33.5 50.3

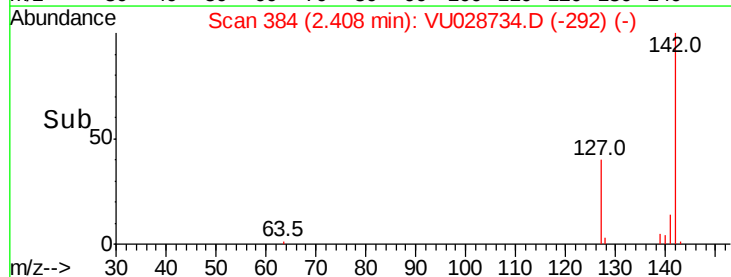
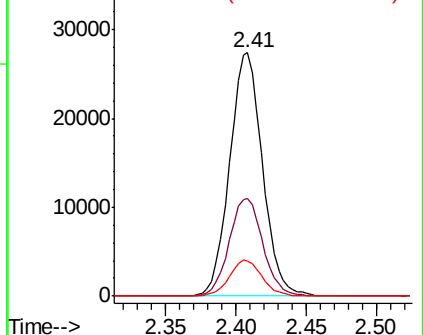
141 14.5 11.2 16.8



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



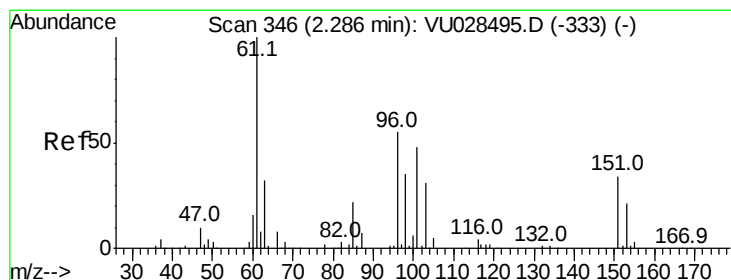
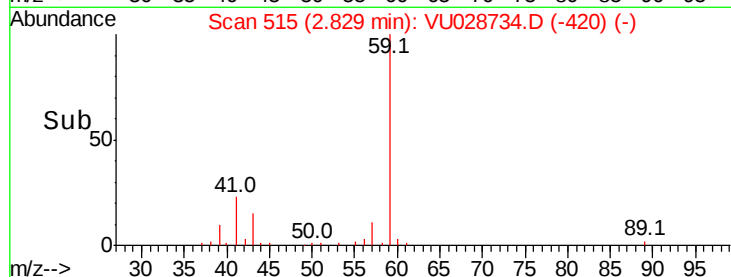
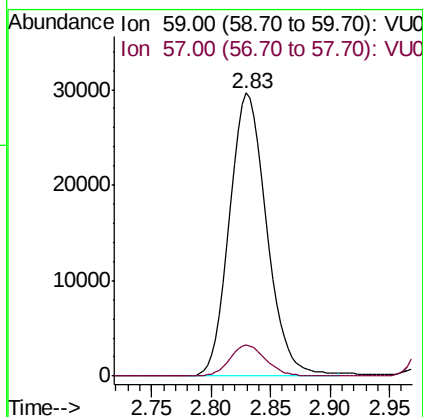
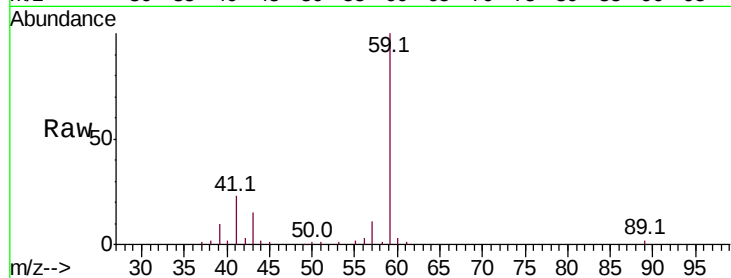


#11

Tert butyl alcohol
 Concen: 245.725 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :

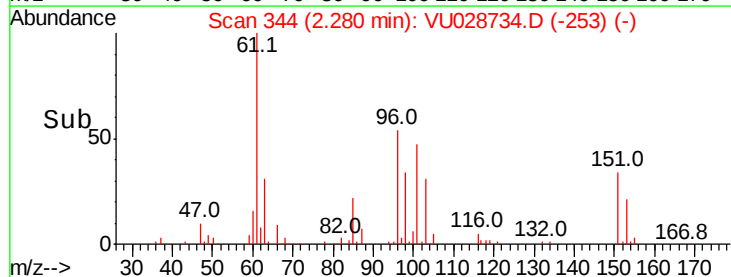
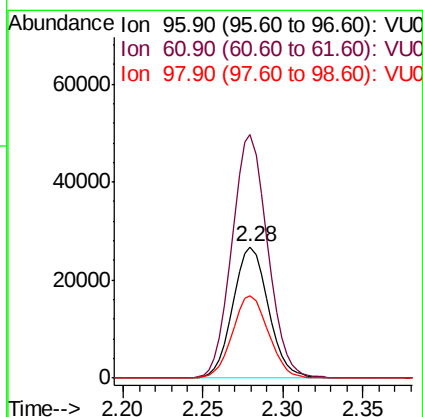
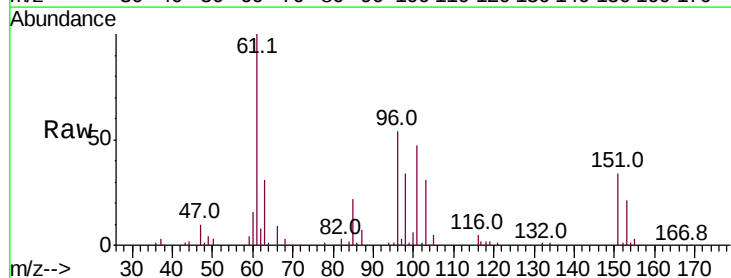
Tot Ion: 59 Resp: 64356
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.0 12.0

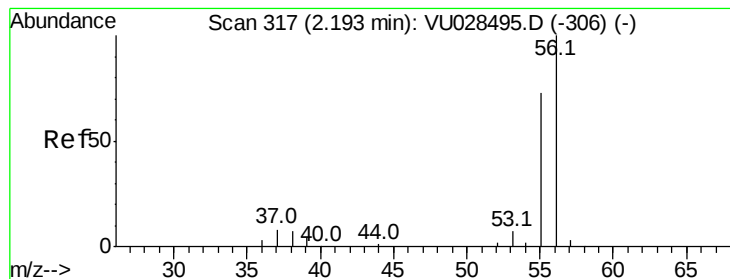


#12

1,1-Dichloroethene
 Concen: 47.218 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 96 Resp: 40496
 Ion Ratio Lower Upper
 96 100
 61 185.6 146.4 219.6
 98 63.0 51.8 77.8





#13

Acrolein

Concen: 269.548 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

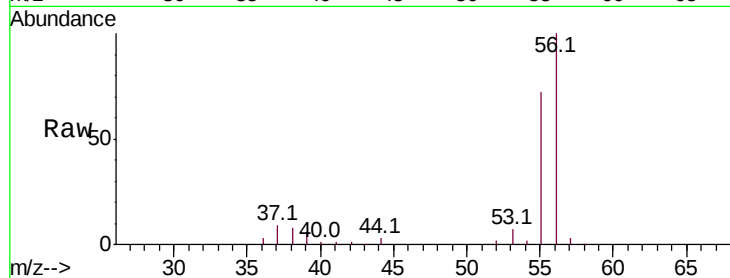
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 56278

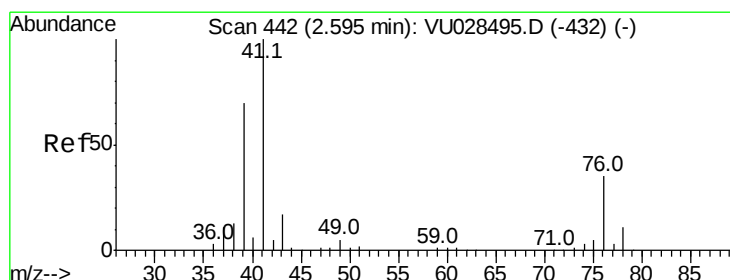
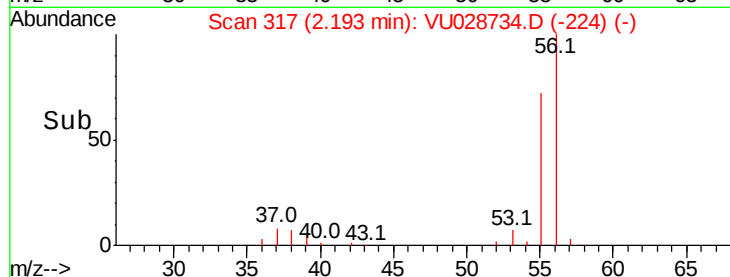
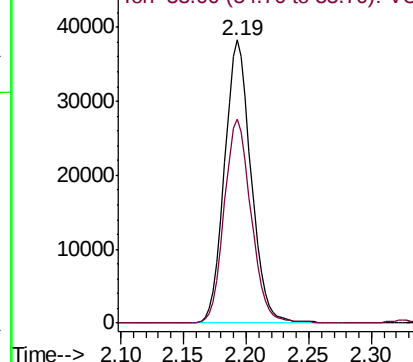
Ion Ratio Lower Upper

56 100

55 73.1 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: 47.909 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

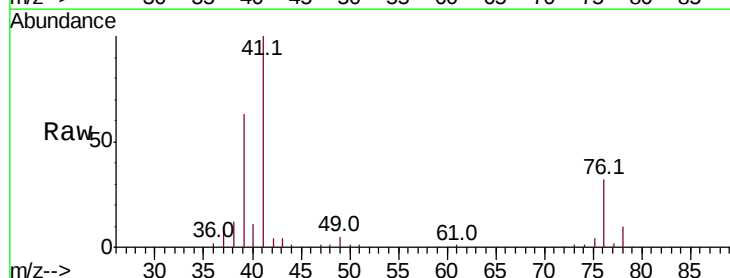
Tgt Ion: 41 Resp: 97202

Ion Ratio Lower Upper

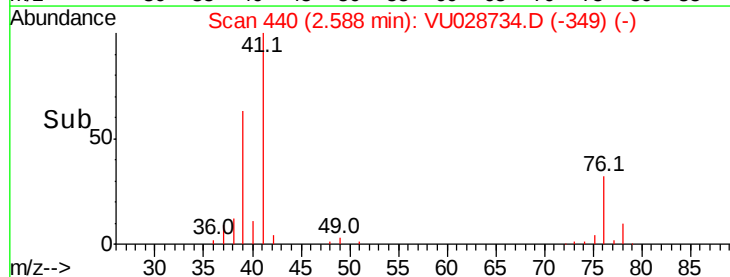
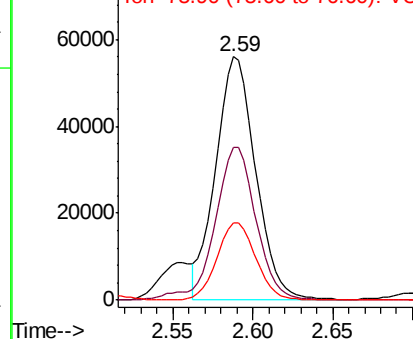
41 100

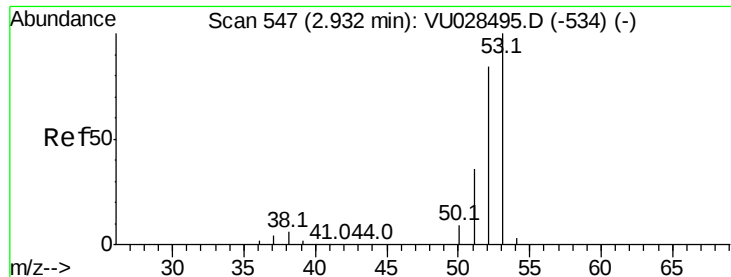
39 64.0 50.8 76.2

76 30.7 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: 277.506 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

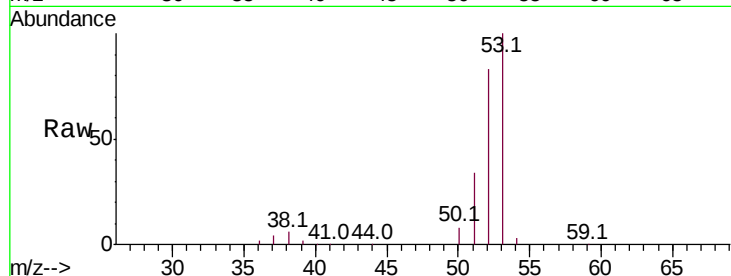
Tot Ion: 53 Resp: 201782

Ion Ratio Lower Upper

53 100

52 81.4 66.1 99.1

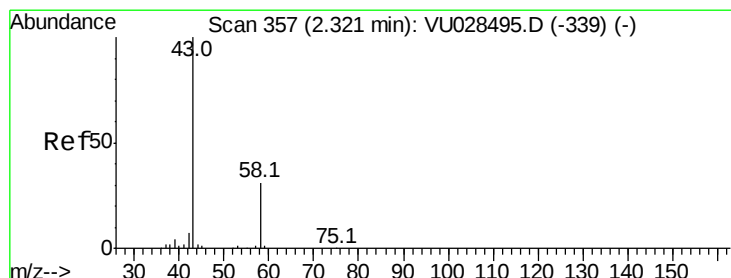
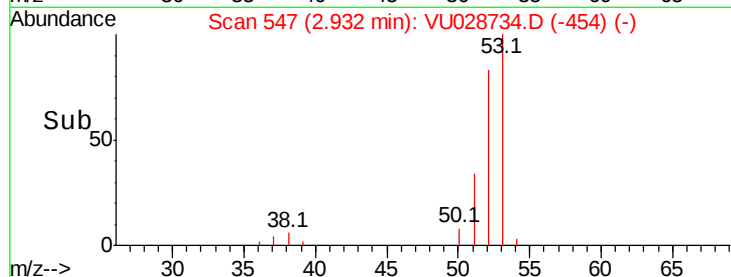
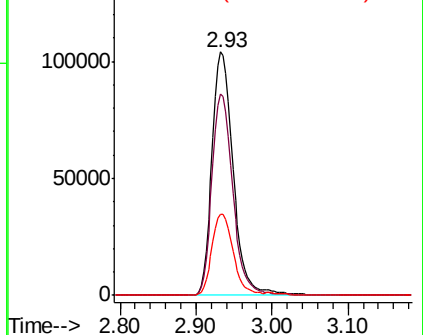
51 33.5 28.1 42.1



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: 207.572 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028734.D

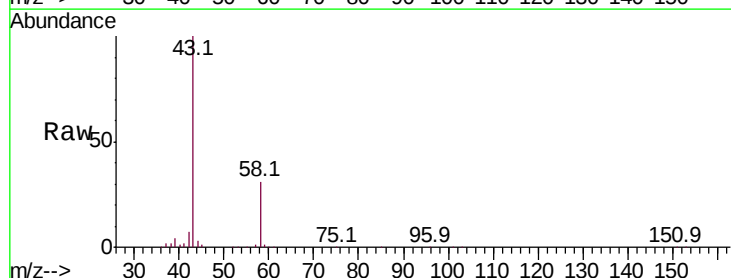
Acq: 17 Dec 2018 20:44

Tgt Ion: 43 Resp: 159226

Ion Ratio Lower Upper

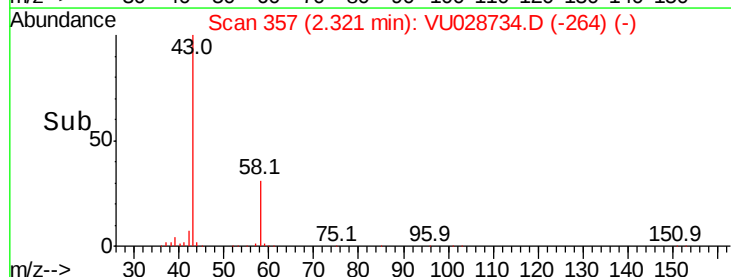
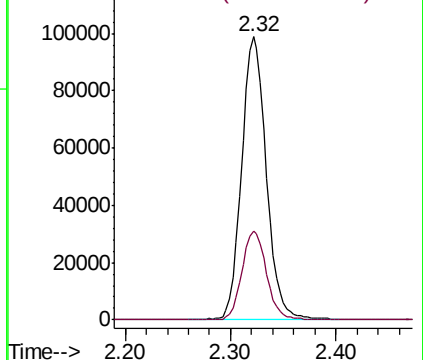
43 100

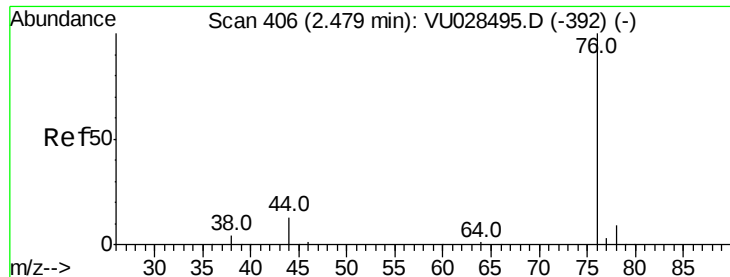
58 31.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 44.376 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

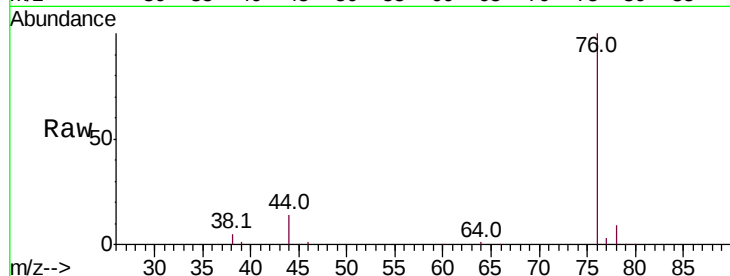
ClientSampleId :

Tot Ion: 76 Resp: 137108

Ion Ratio Lower Upper

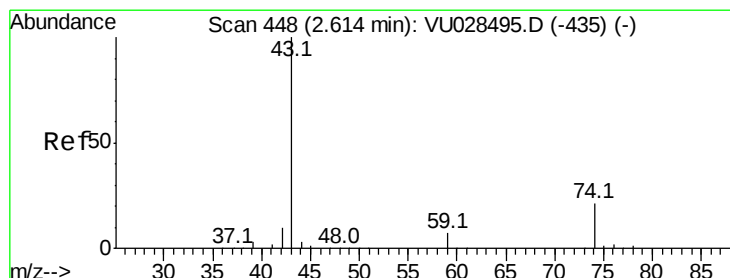
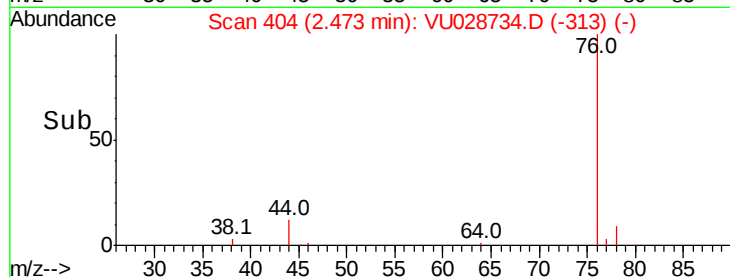
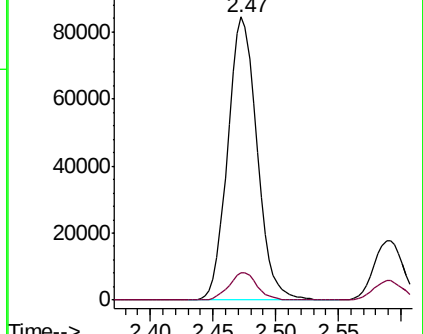
76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 61.017 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028734.D

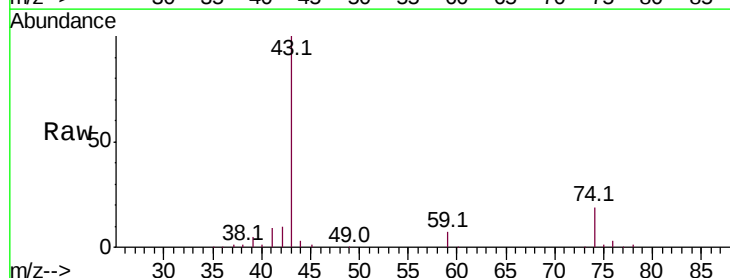
Acq: 17 Dec 2018 20:44

Tgt Ion: 43 Resp: 121331

Ion Ratio Lower Upper

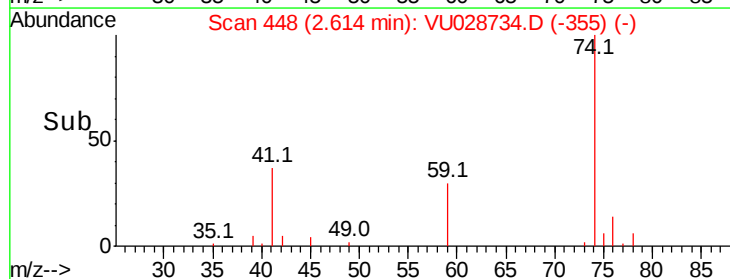
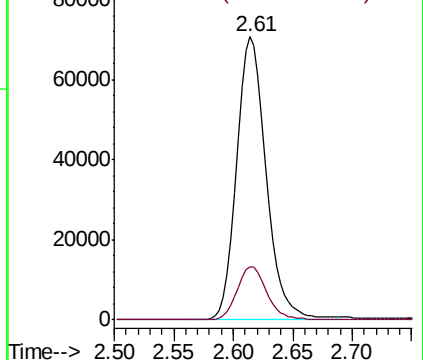
43 100

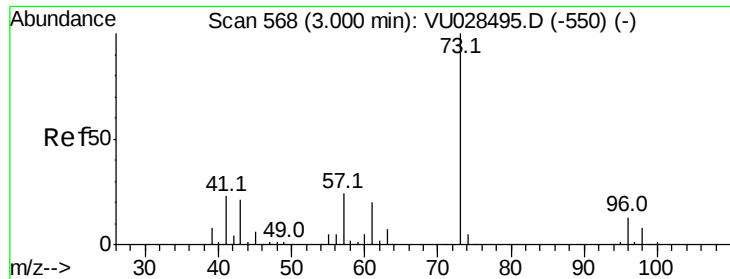
74 19.2 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

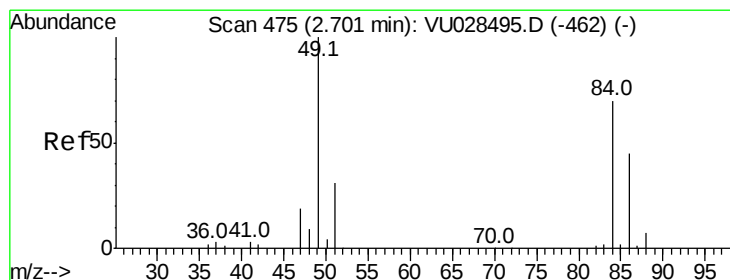
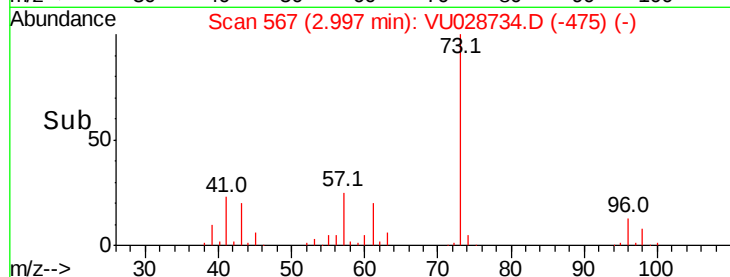
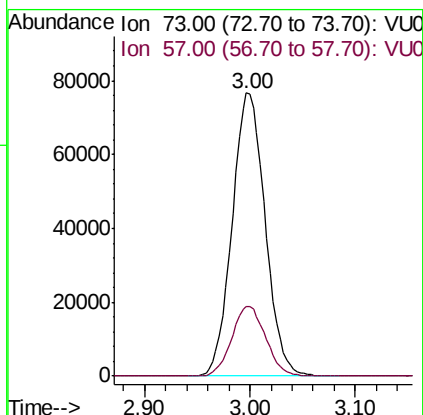
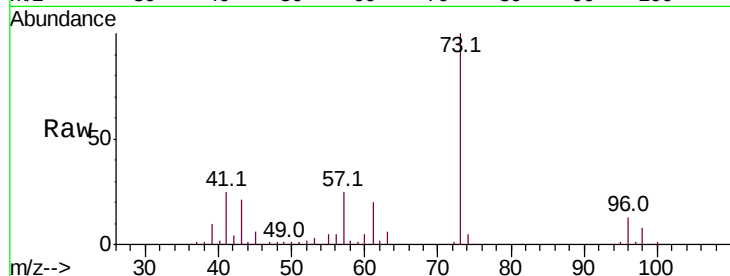




#19
Methvl tert-butvl Ether
Concen: 51.134 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

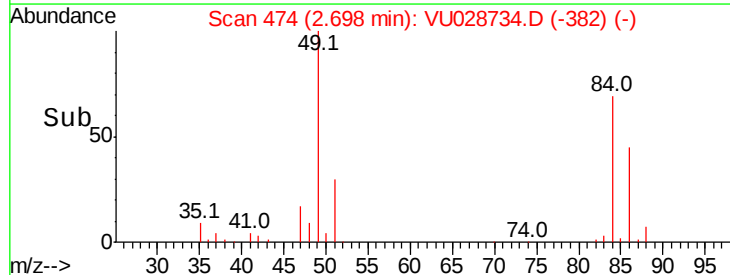
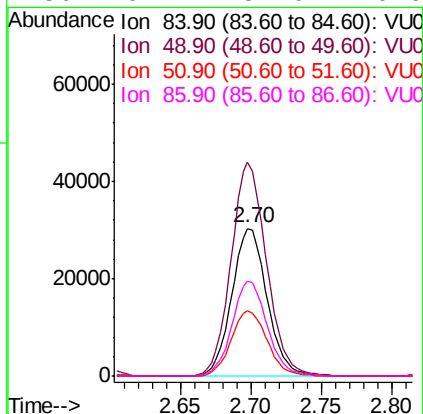
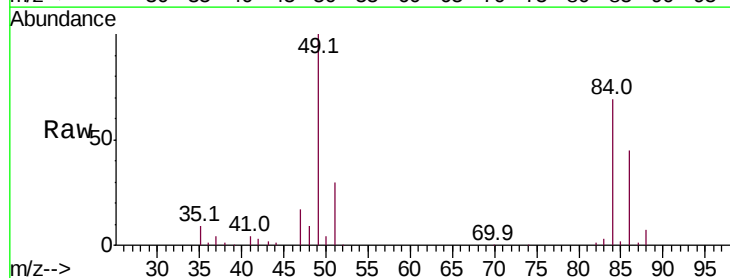
Instrument :
MSVOA_U
ClientSampled :

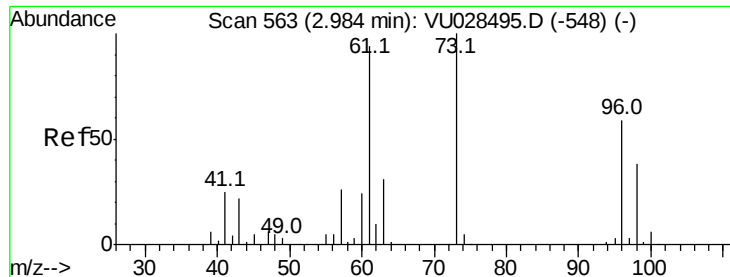
Tot Ion: 73 Resp: 166249
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2



#20
Methylene Chloride
Concen: 47.054 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 84 Resp: 53209
Ion Ratio Lower Upper
84 100
49 144.7 114.0 171.0
51 44.1 35.1 52.7
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.643 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampled :

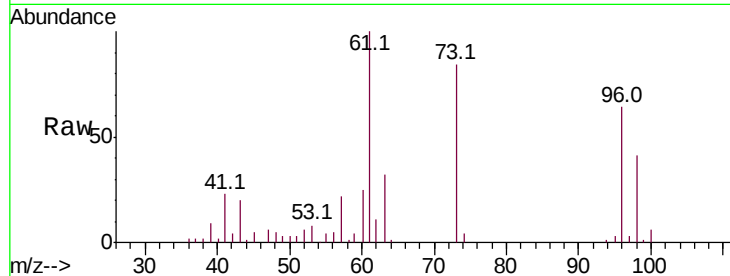
Tot Ion: 96 Resp: 46971

Ion Ratio Lower Upper

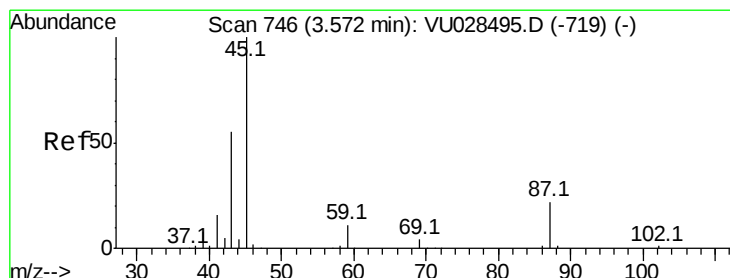
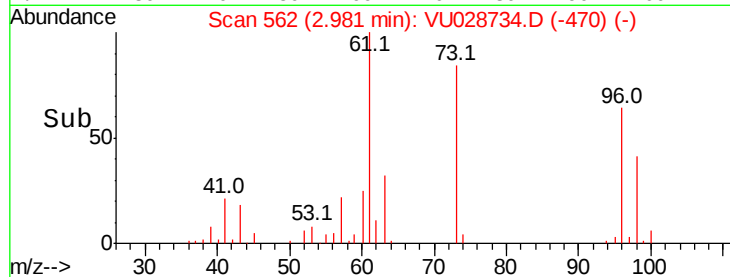
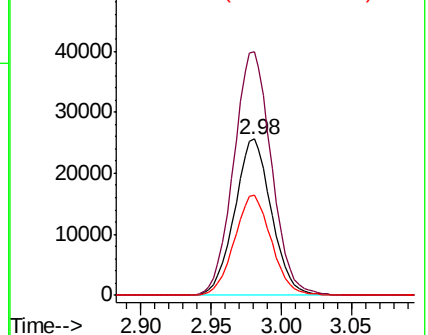
96 100

61 155.9 127.0 190.4

98 63.8 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: 53.510 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion: 45 Resp: 211123

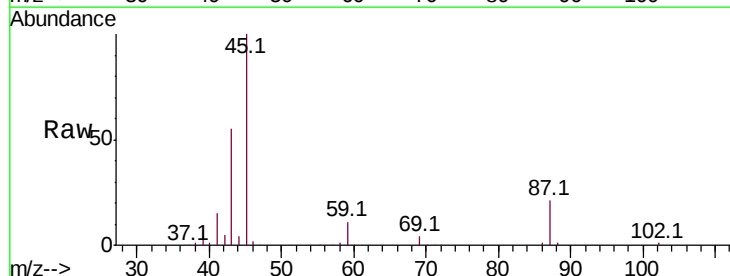
Ion Ratio Lower Upper

45 100

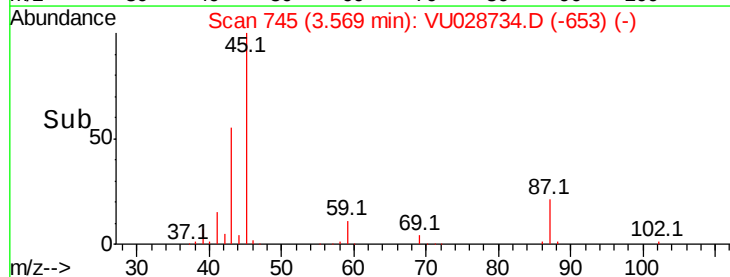
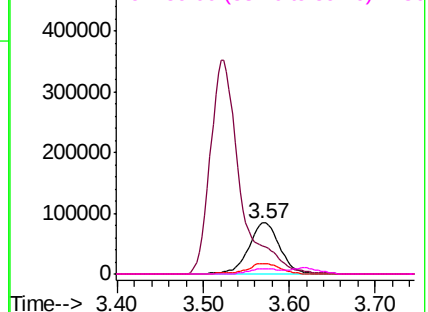
43 54.4 45.3 67.9

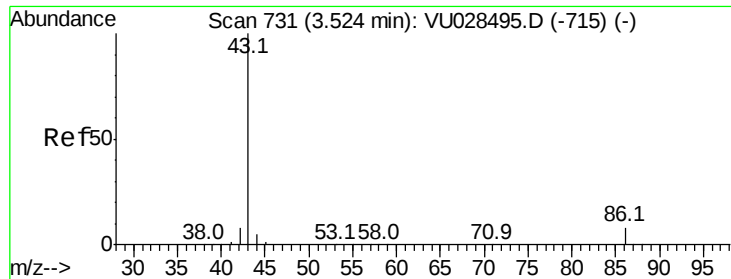
87 21.1 17.6 26.4

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: 262.517 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

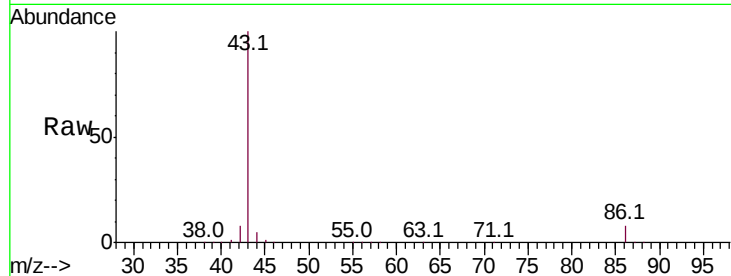
ClientSampled :

Tot Ion: 43 Resp: 854342

Ion Ratio Lower Upper

43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028734.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028734.D (-638) (-)

3.52

400000

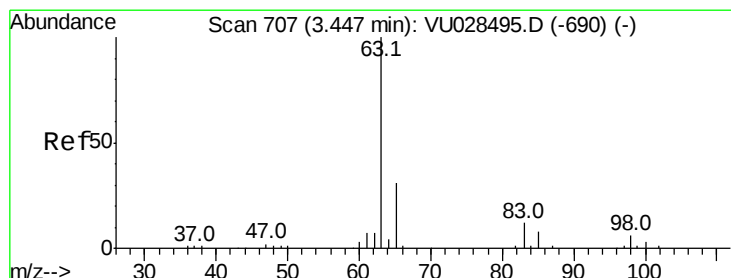
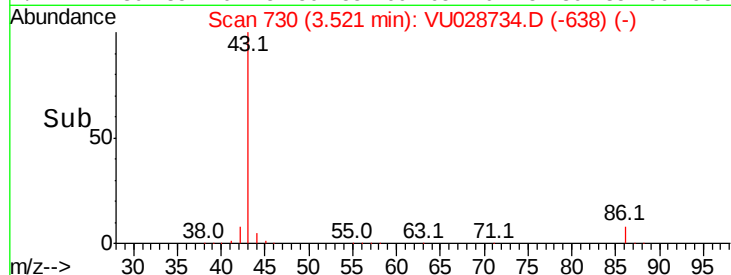
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.800 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

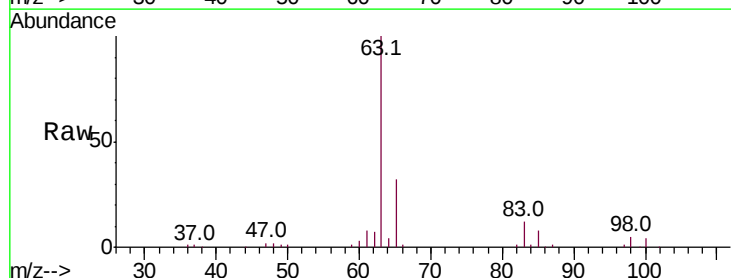
Tgt Ion: 63 Resp: 104917

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.9 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028734.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028734.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028734.D (-614) (-)

60000

50000

40000

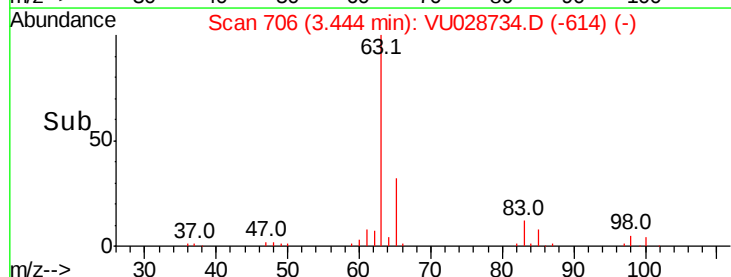
30000

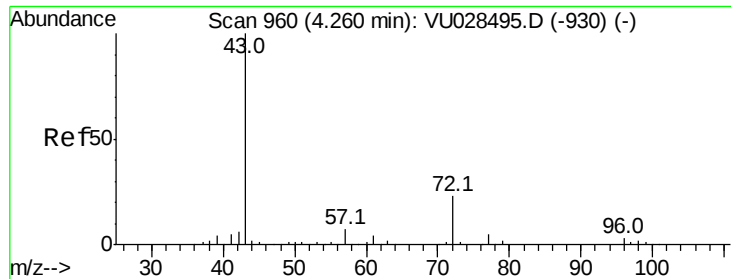
20000

10000

0

Time-->





#25

2-Butanone

Concen: 258.599 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

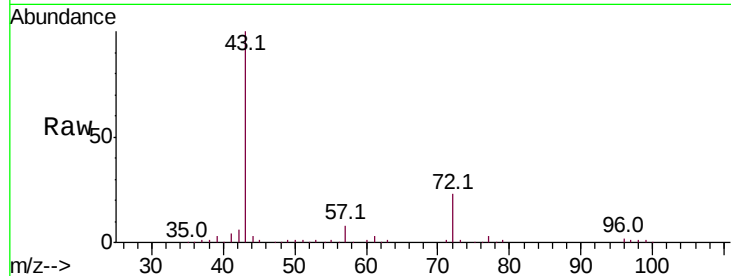
ClientSampleId :

Tot Ion: 43 Resp: 271089

Ion Ratio Lower Upper

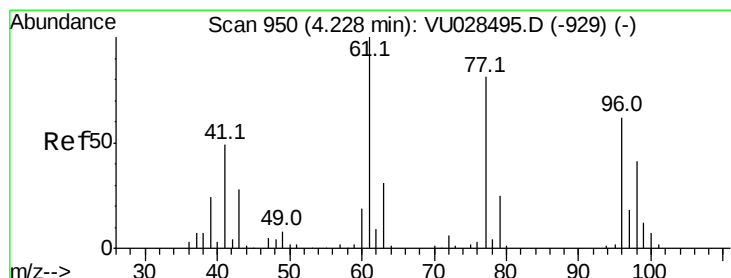
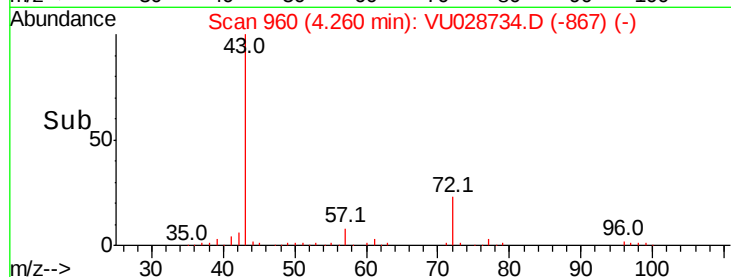
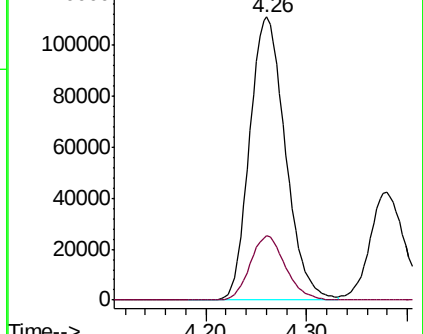
43 100

72 22.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 45.391 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028734.D

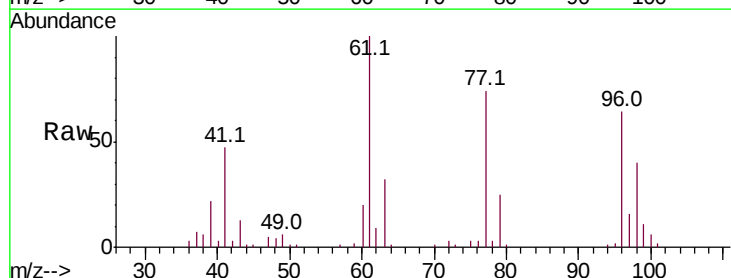
Acq: 17 Dec 2018 20:44

Tgt Ion: 77 Resp: 74280

Ion Ratio Lower Upper

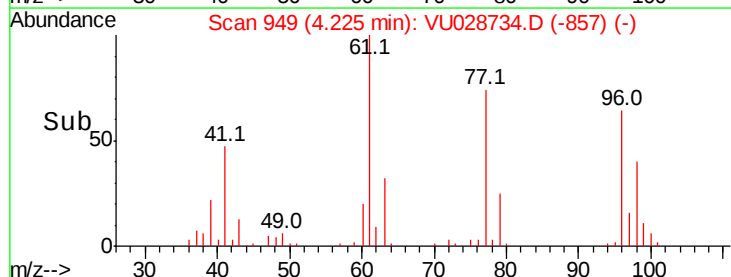
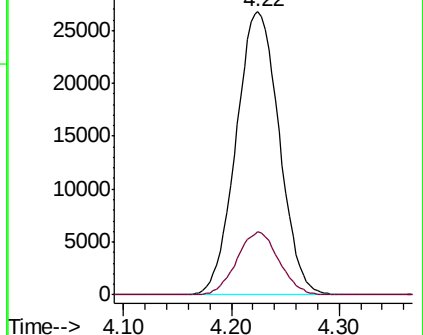
77 100

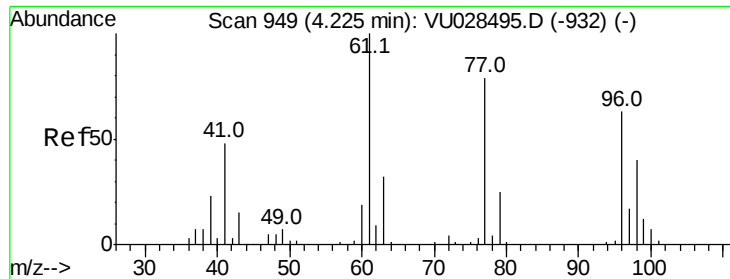
97 21.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

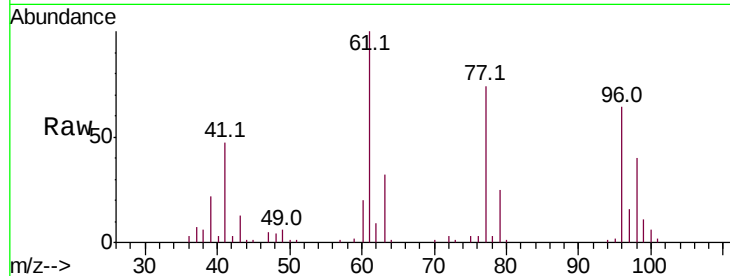




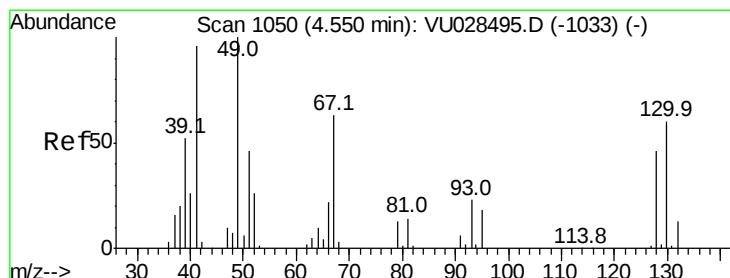
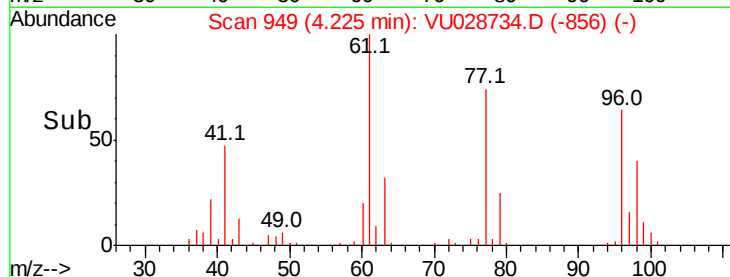
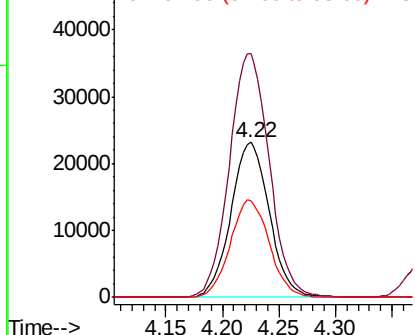
#27
 cis-1,2-Dichloroethene
 Concen: 50.124 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 54783
 Ion Ratio Lower Upper
 96 100
 61 163.2 0.0 332.4
 98 63.6 0.0 129.0

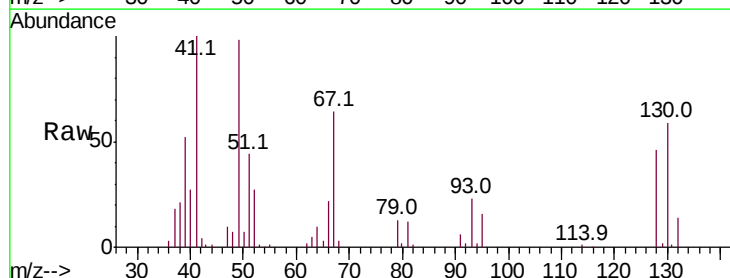


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

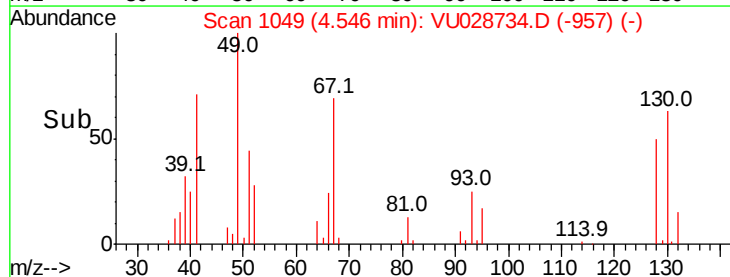
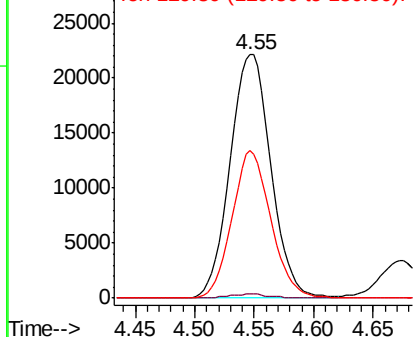


#28
 Bromochloromethane
 Concen: 56.195 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 49 Resp: 52761
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.0
 130 57.3 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: 273.942 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

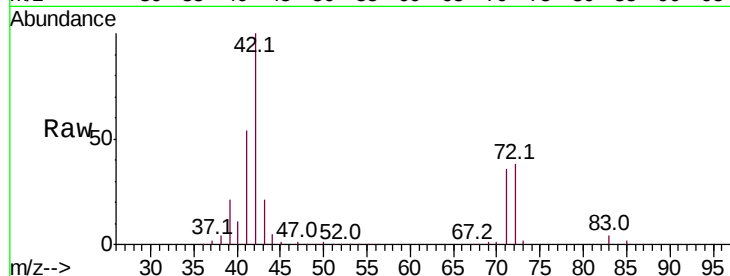
Tot Ion: 42 Resp: 184434

Ion Ratio Lower Upper

42 100

72 37.8 31.4 47.0

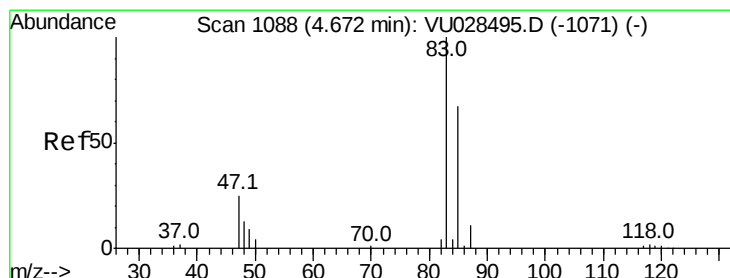
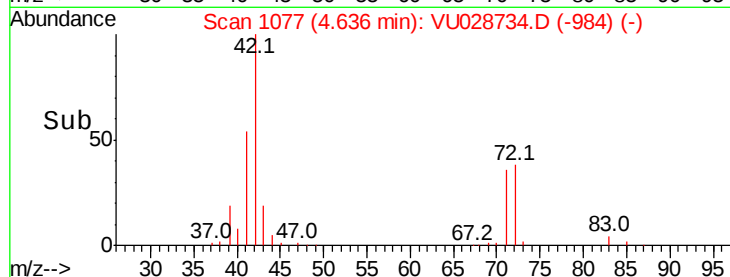
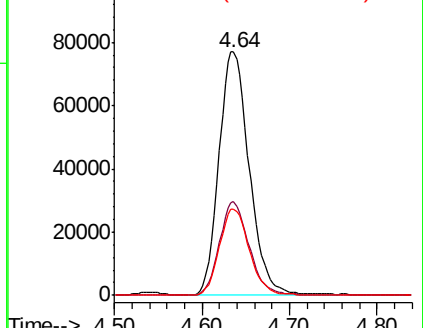
71 35.3 28.6 43.0



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: 51.841 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028734.D

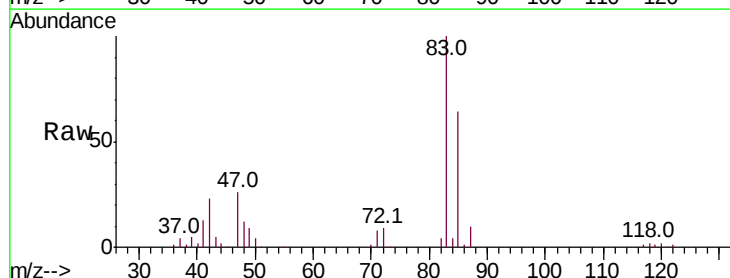
Acq: 17 Dec 2018 20:44

Tgt Ion: 83 Resp: 93317

Ion Ratio Lower Upper

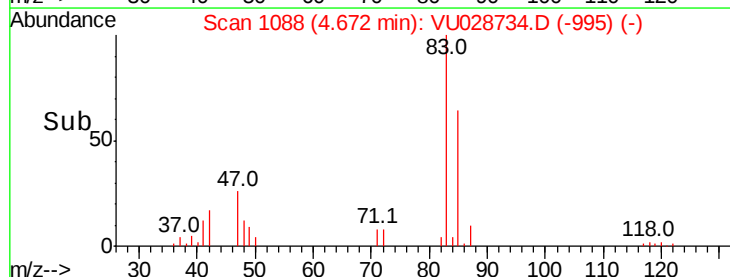
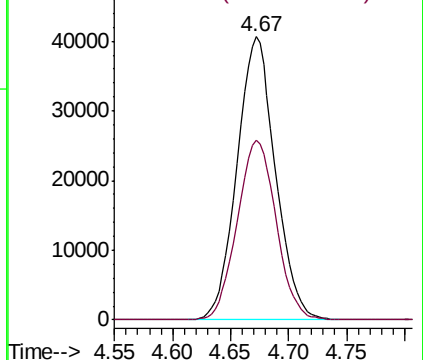
83 100

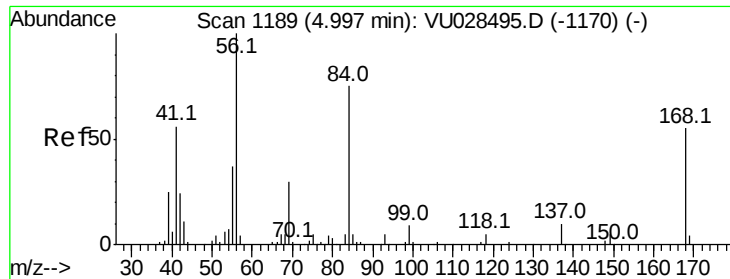
85 63.6 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

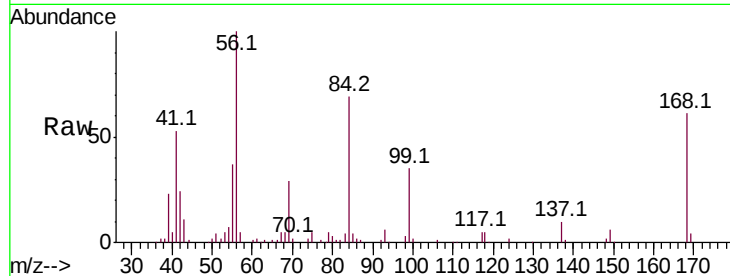




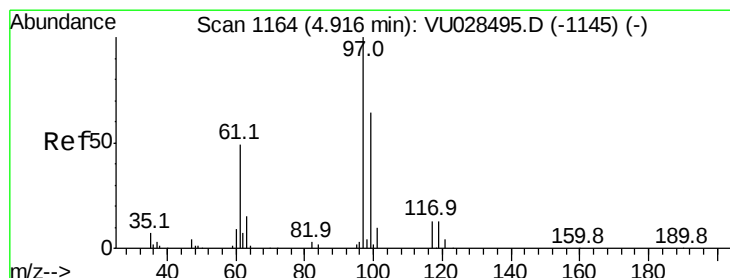
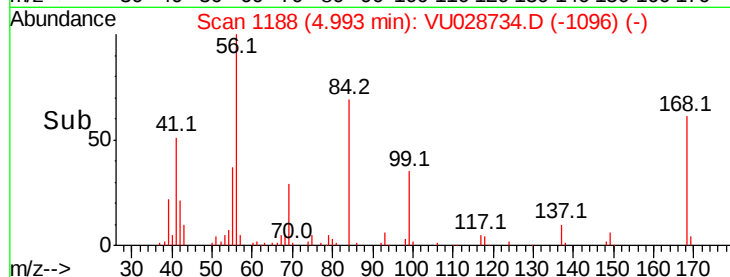
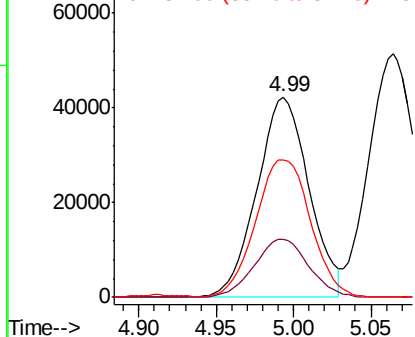
#31
Cyclohexane
Concen: 49.117 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 99035
Ion Ratio Lower Upper
56 100
69 29.1 24.0 36.0
84 68.3 59.7 89.5

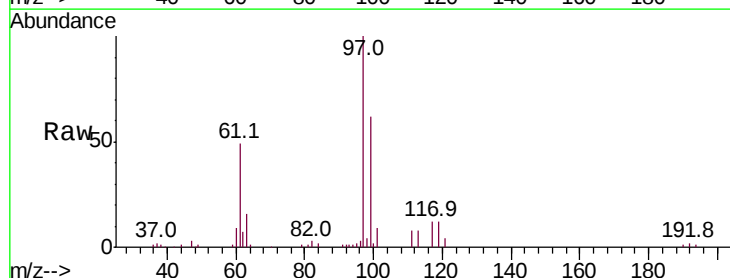


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

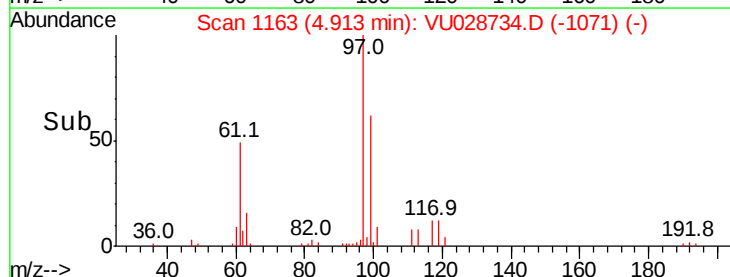
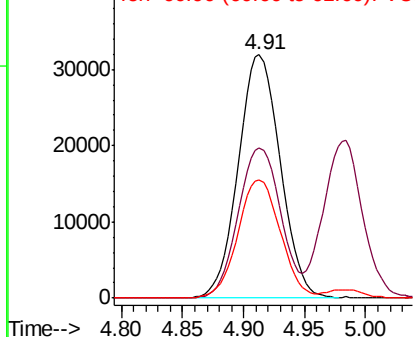


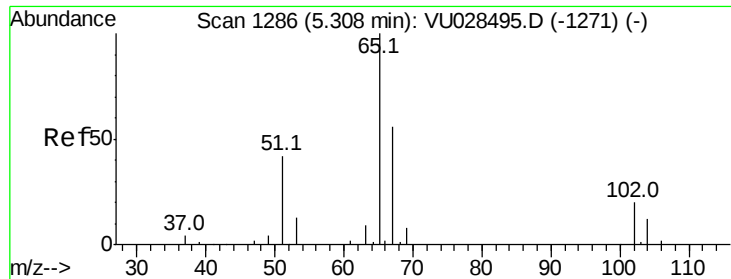
#32
1,1,1-Trichloroethane
Concen: 50.975 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 97 Resp: 76208
Ion Ratio Lower Upper
97 100
99 62.6 52.3 78.5
61 49.0 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

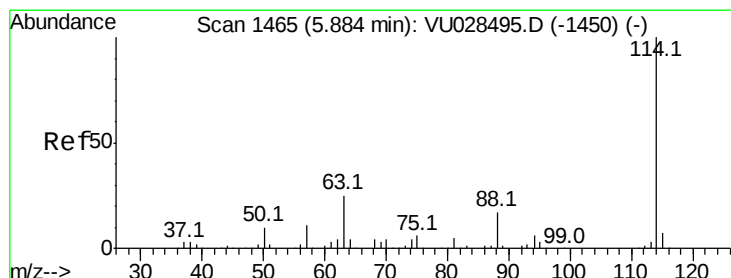
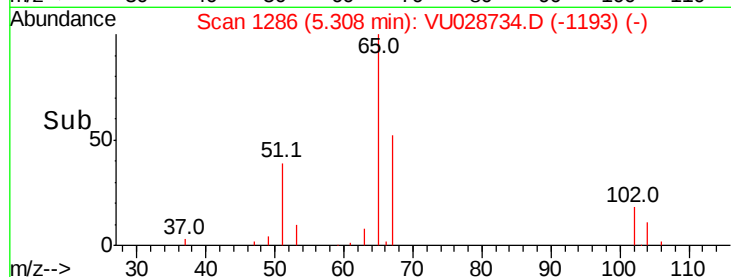
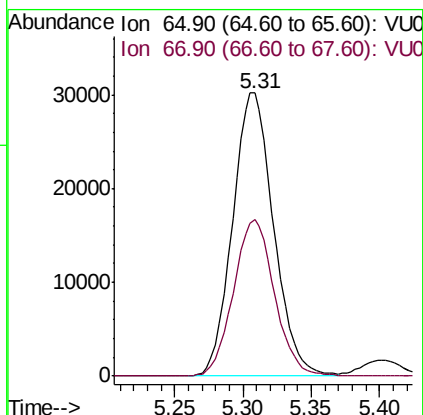
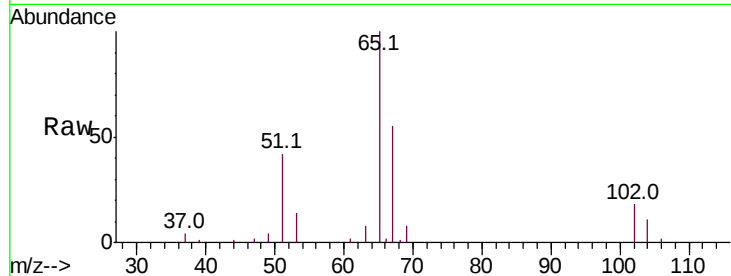




#33
 1,2-Dichloroethane-d4
 Concen: 53.481 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

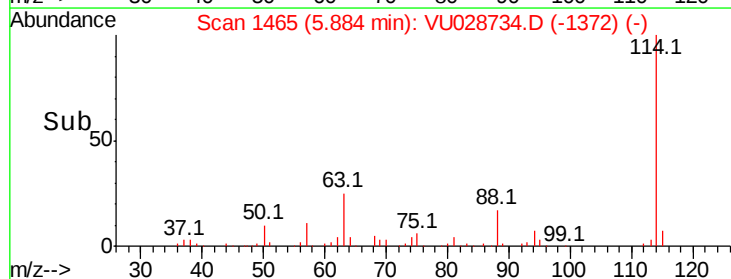
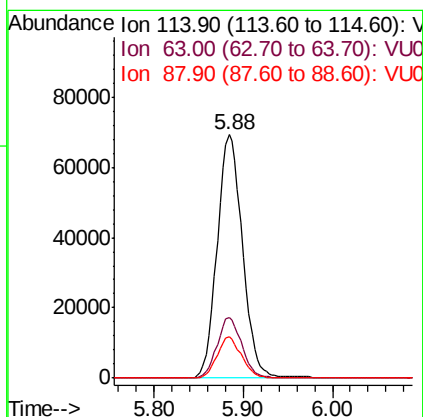
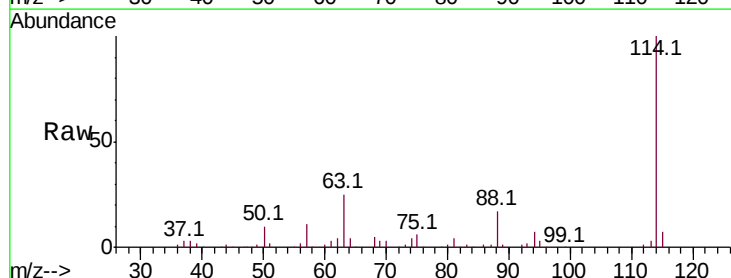
Instrument :
 MSVOA_U
 ClientSampleId :

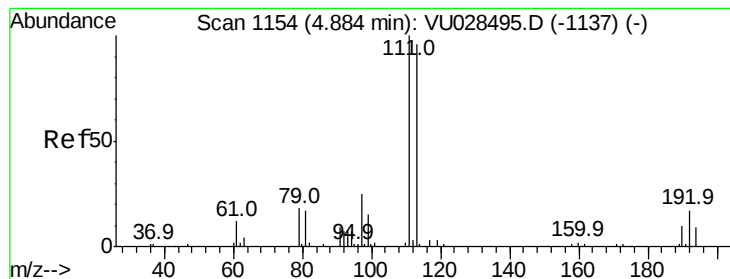
Tot Ion: 65 Resp: 62868
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:114 Resp: 136677
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.330 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :

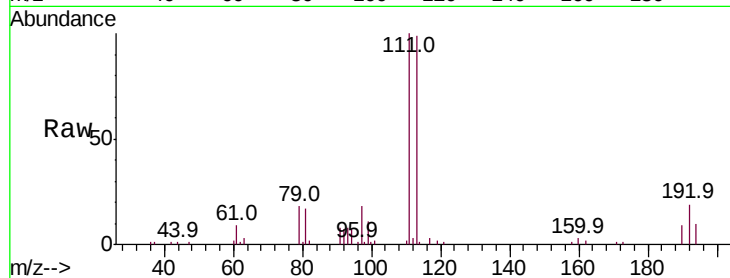
Tot Ion:113 Resp: 46730

Ion Ratio Lower Upper

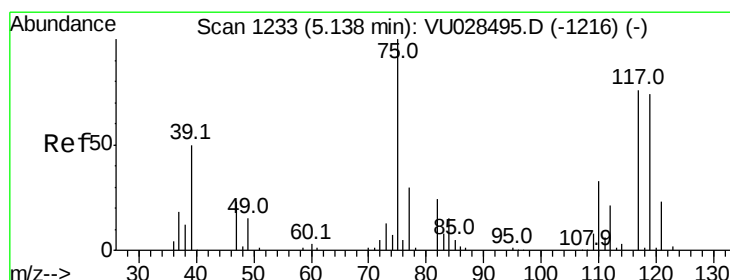
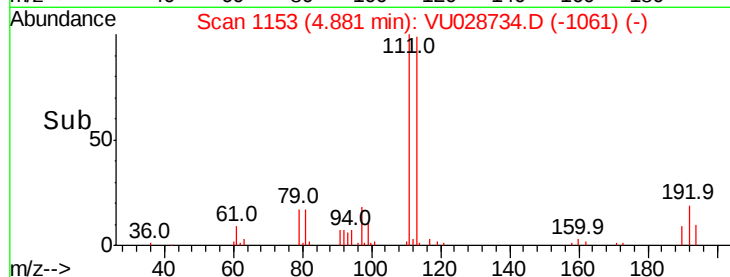
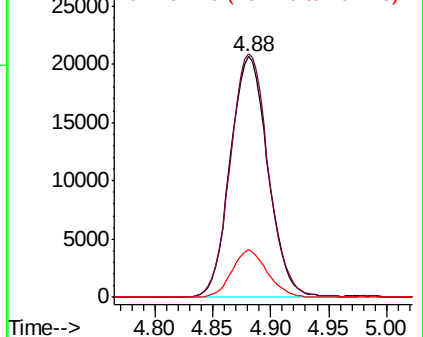
113 100

111 101.4 83.4 125.0

192 18.5 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: 46.992 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

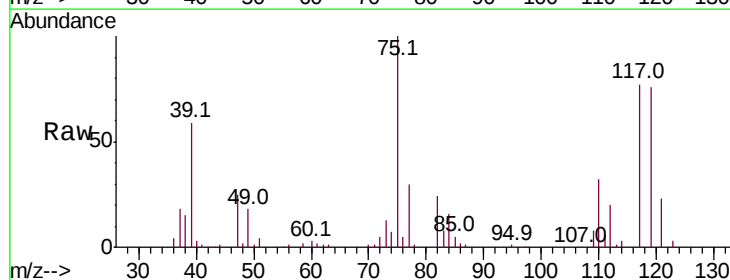
Tgt Ion: 75 Resp: 70283

Ion Ratio Lower Upper

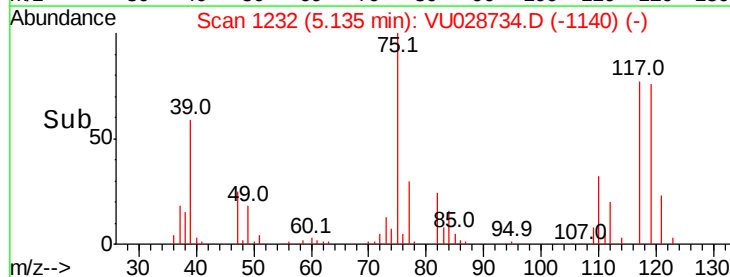
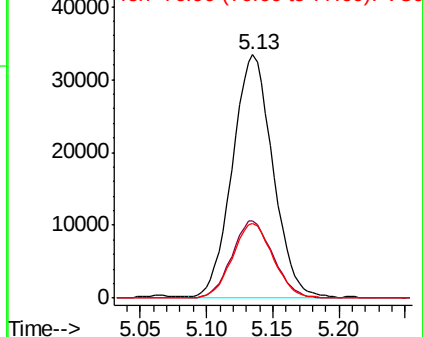
75 100

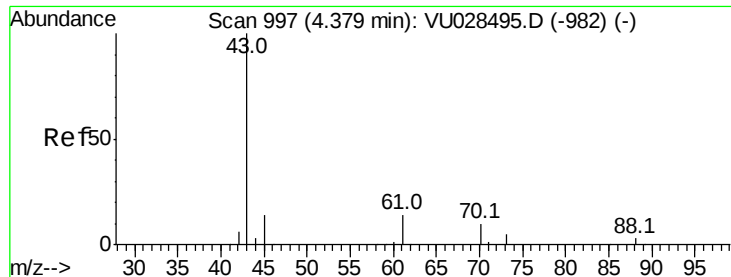
110 32.5 16.1 48.2

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: 53.507 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampled :

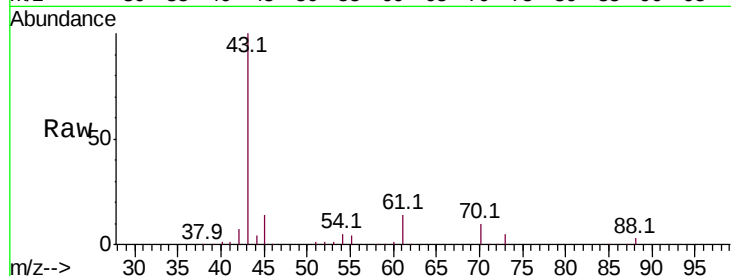
Tot Ion: 43 Resp: 103452

Ion Ratio Lower Upper

43 100

61 13.1 11.0 16.4

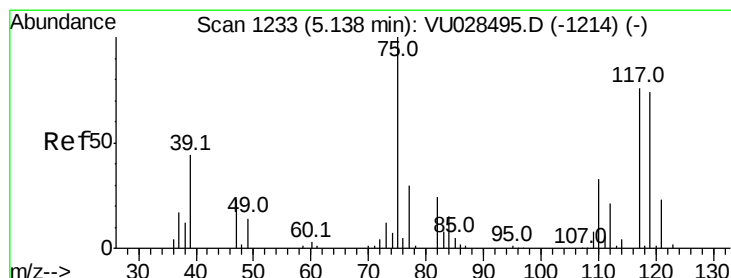
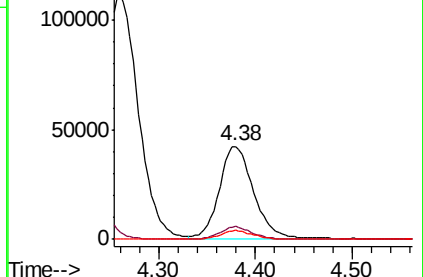
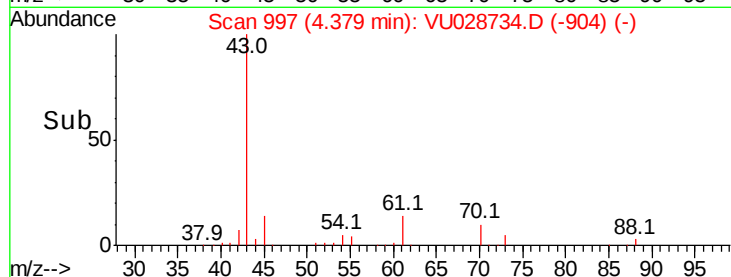
70 9.1 7.4 11.0



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) (-)



#38

Carbon Tetrachloride

Concen: 48.931 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

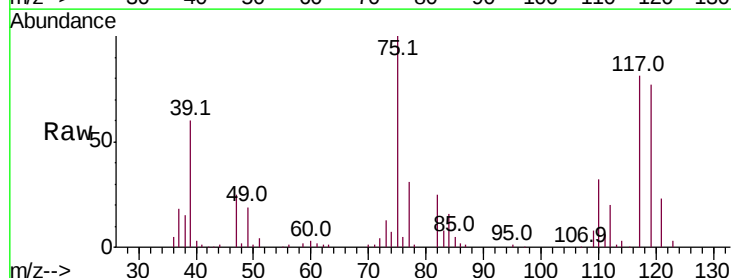
Tgt Ion: 117 Resp: 58986

Ion Ratio Lower Upper

117 100

119 95.3 77.6 116.4

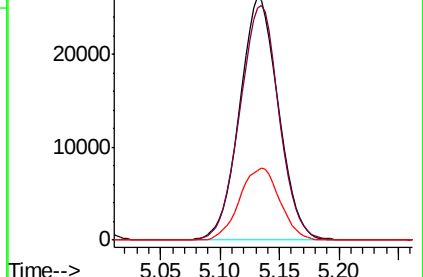
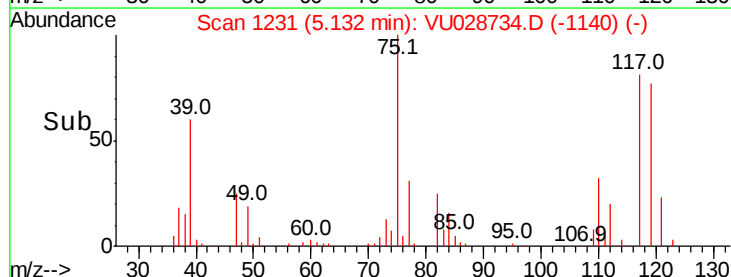
121 28.8 24.6 36.8

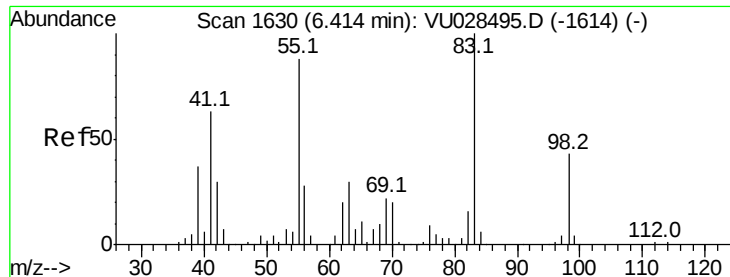


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

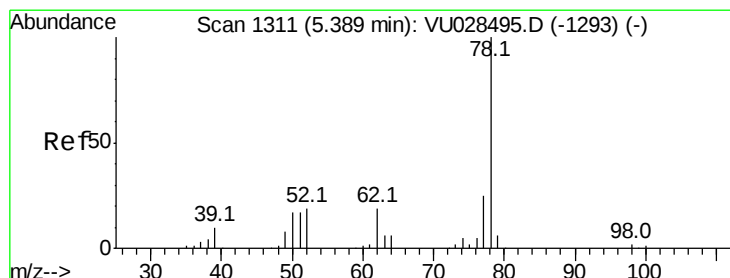
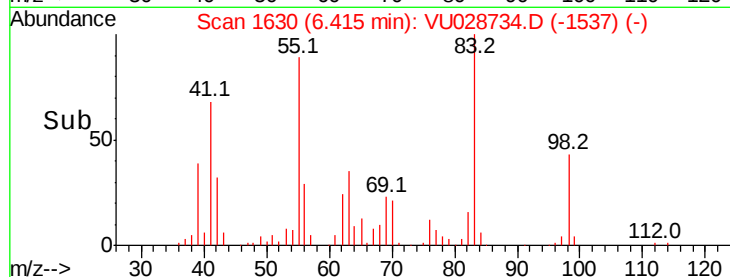
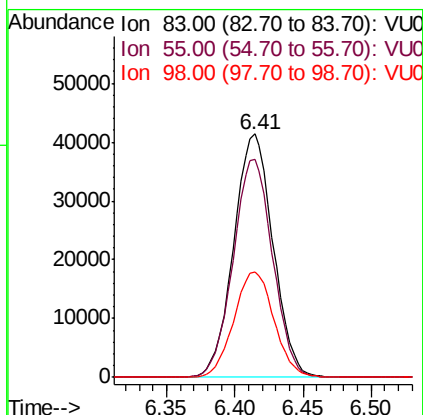
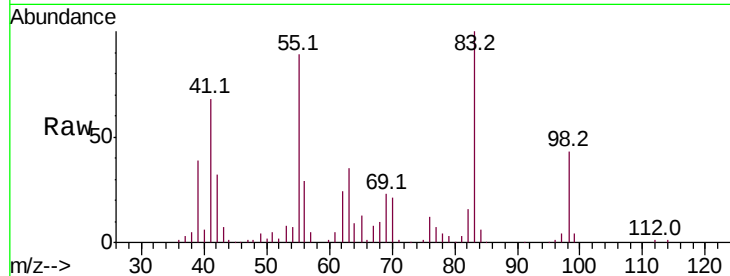




#39
Methvlcvclohexane
Concen: 45.422 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

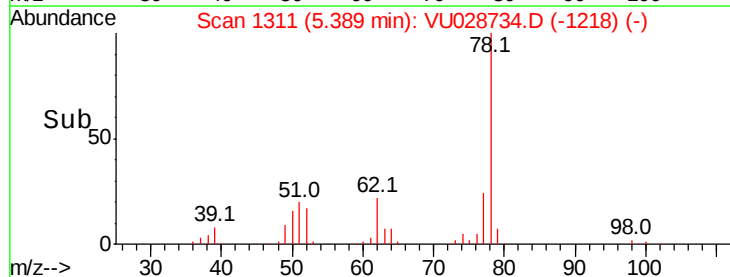
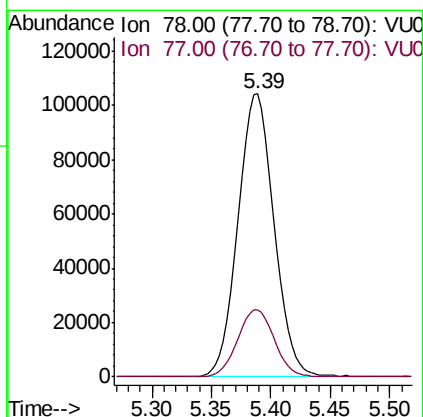
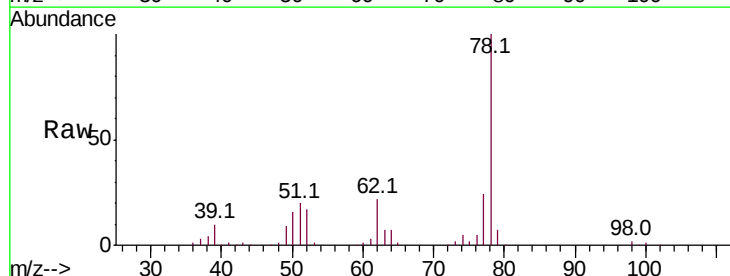
Instrument :
MSVOA_U
ClientSampled :

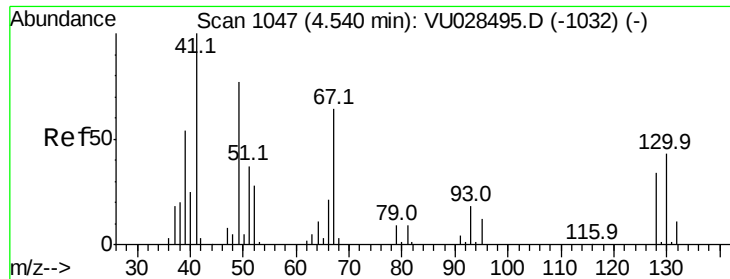
Tot Ion: 83 Resp: 82879
Ion Ratio Lower Upper
83 100
55 89.5 70.2 105.2
98 43.1 34.2 51.4



#40
Benzene
Concen: 49.714 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 78 Resp: 218990
Ion Ratio Lower Upper
78 100
77 23.9 19.9 29.9





#41

Methacrylonitrile

Concen: 55.233 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 41 Resp: 58482

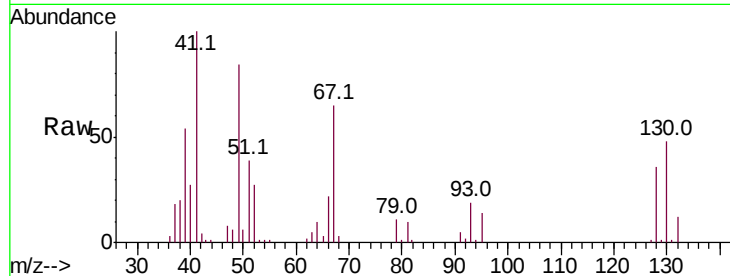
Ion Ratio Lower Upper

41 100

39 53.1 43.3 64.9

67 64.4 53.6 80.4

52 26.6 22.1 33.1

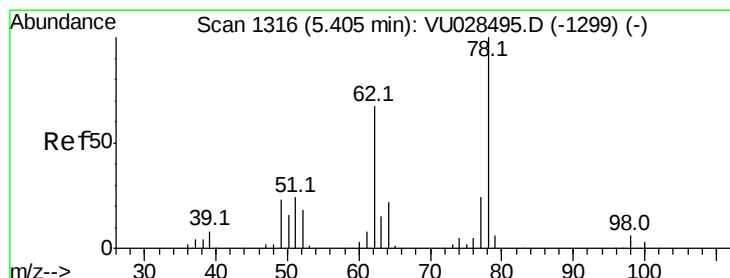
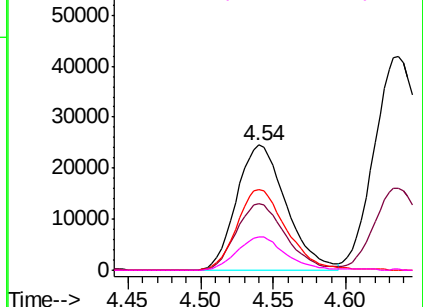
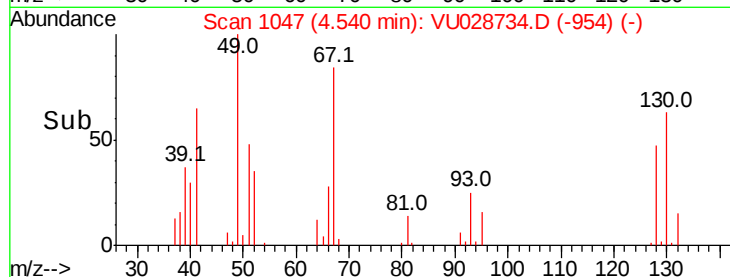


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 50.164 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028734.D

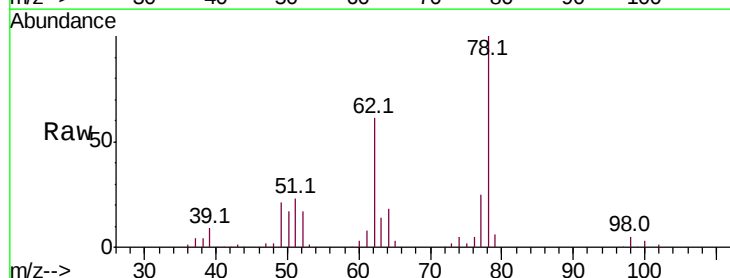
Acq: 17 Dec 2018 20:44

Tgt Ion: 62 Resp: 77348

Ion Ratio Lower Upper

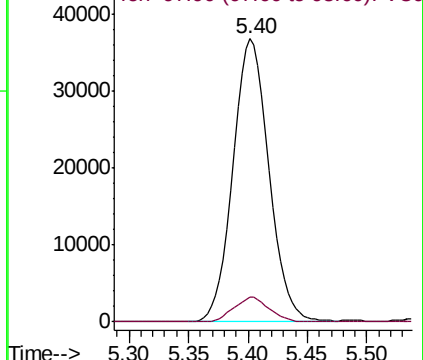
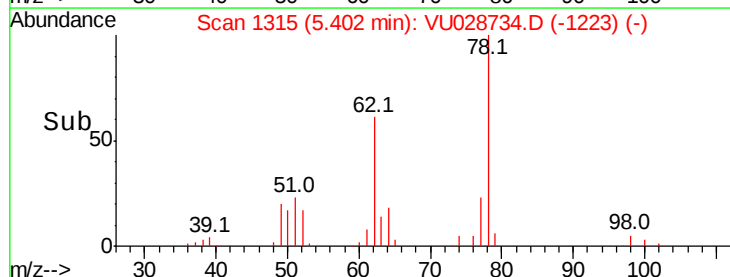
62 100

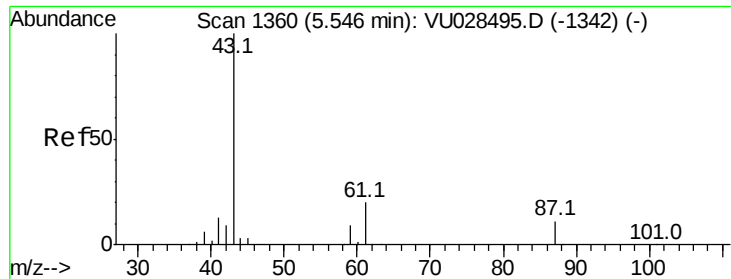
98 8.5 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 53.088 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

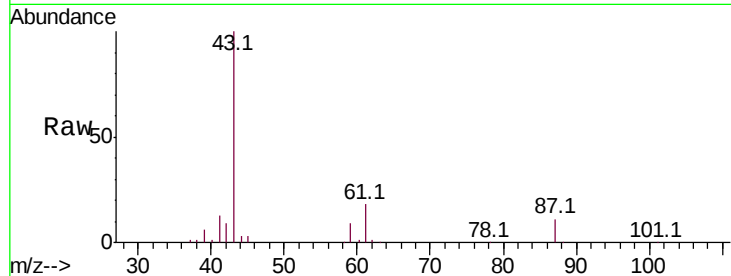
Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 162347

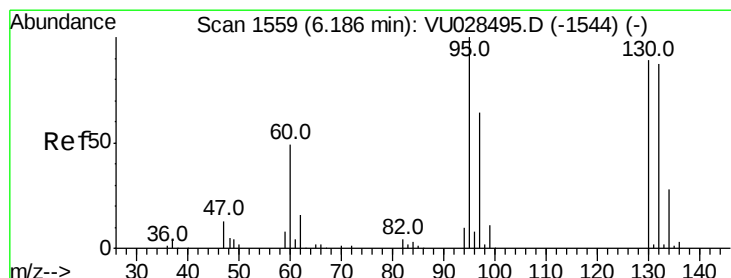
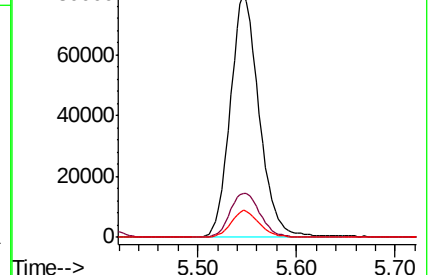
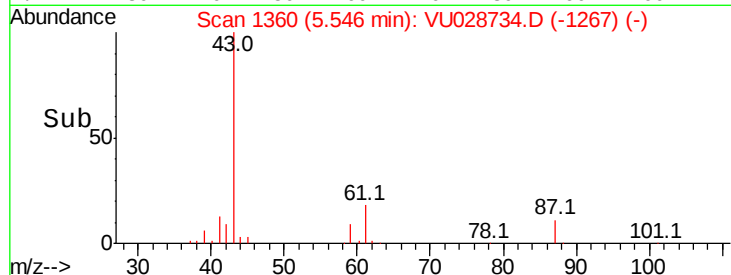
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	10.9	8.7	13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 48.109 ug/l

RT: 6.18 min Scan# 1558

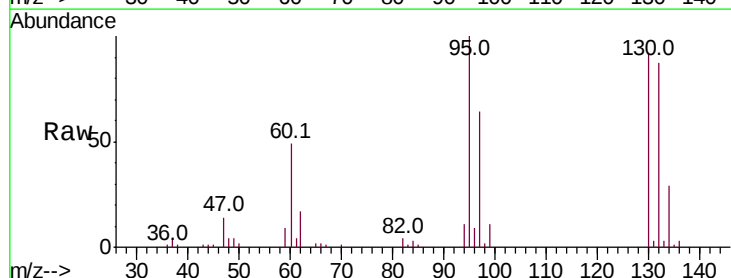
Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

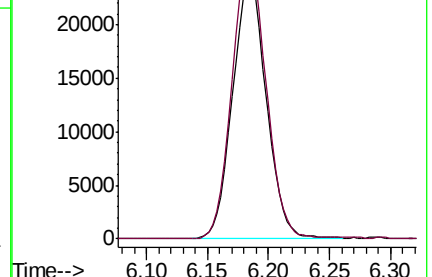
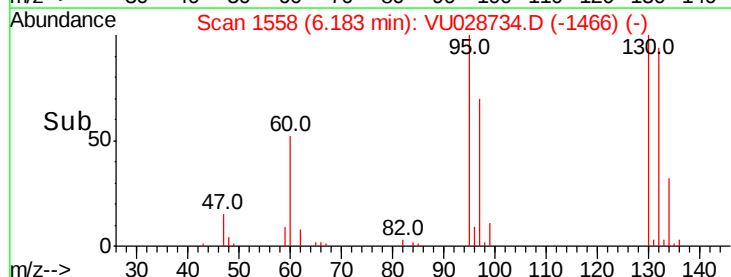
Tgt Ion:130 Resp: 47120

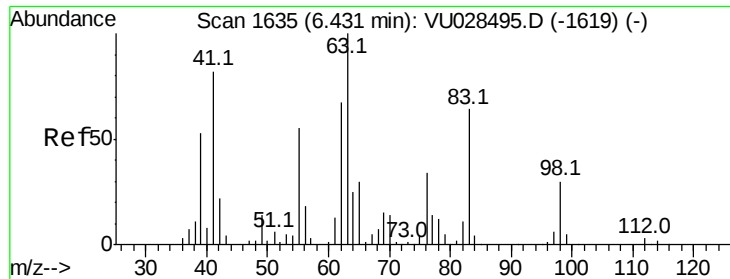
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 52.286 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

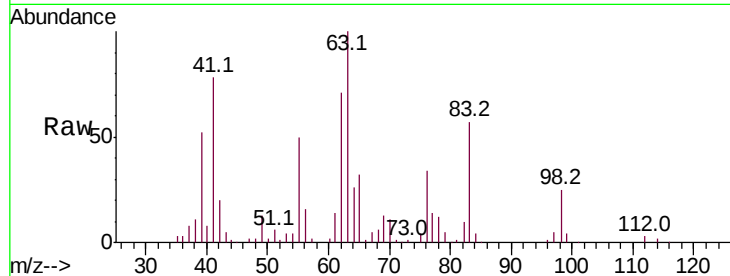
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 64767

Ion Ratio Lower Upper

63 100

65 32.0 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

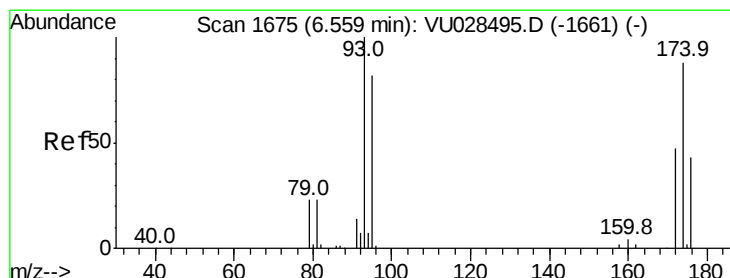
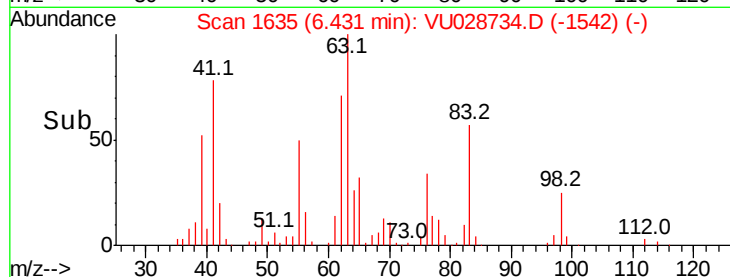
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 50.949 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

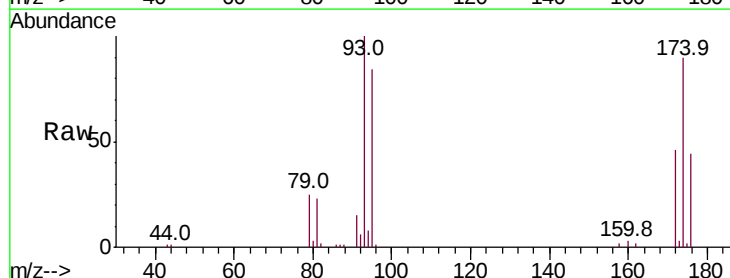
Tgt Ion: 93 Resp: 37446

Ion Ratio Lower Upper

93 100

95 84.3 65.4 98.2

174 90.2 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

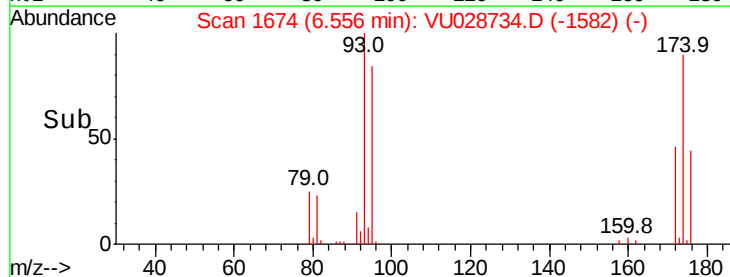
10000

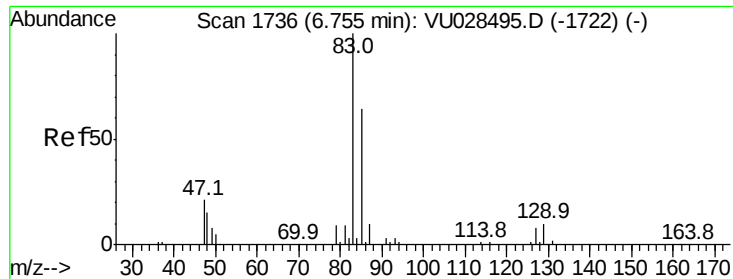
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 51.009 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampled :

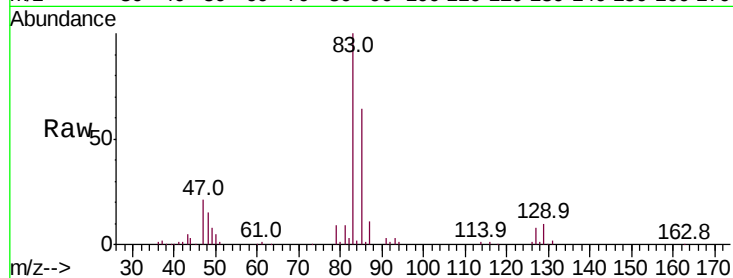
Tot Ion: 83 Resp: 72953

Ion Ratio Lower Upper

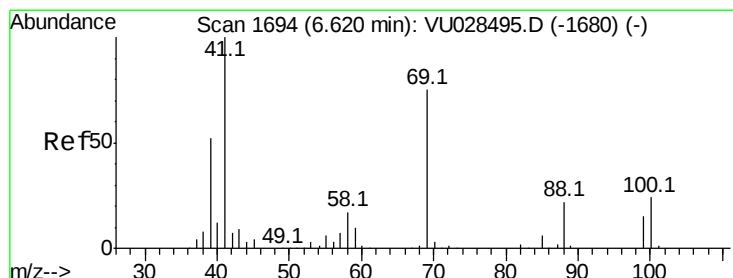
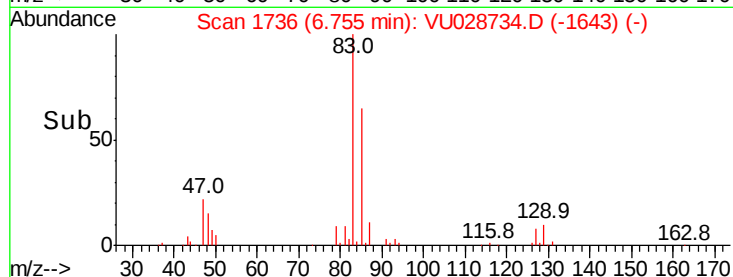
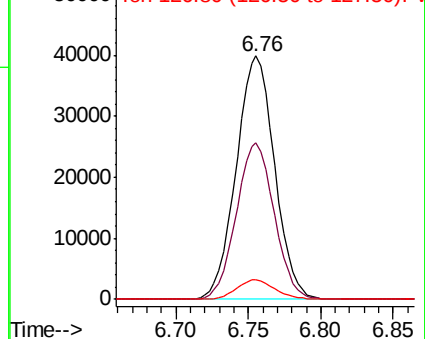
83 100

85 64.4 51.5 77.3

127 8.1 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: 54.437 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

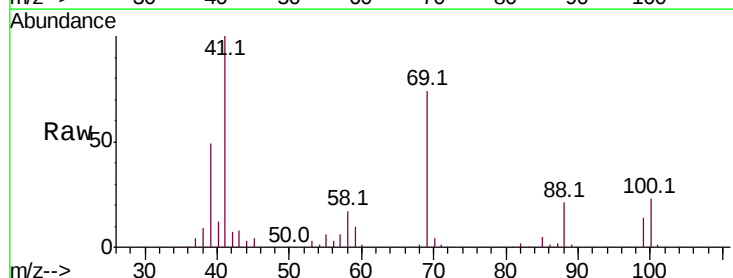
Tgt Ion: 41 Resp: 82788

Ion Ratio Lower Upper

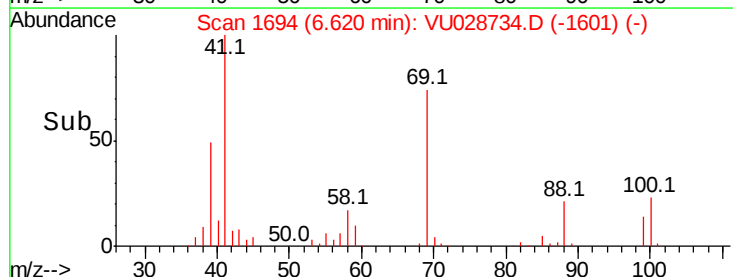
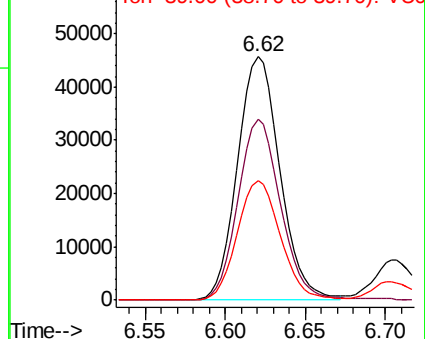
41 100

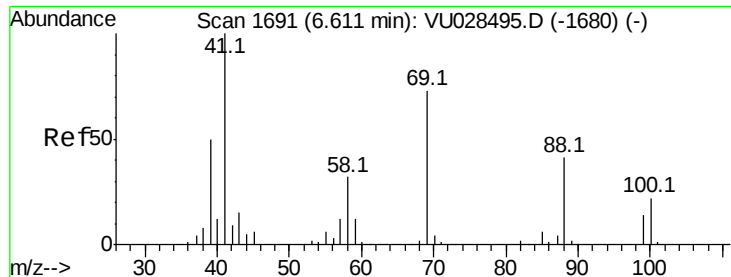
69 74.8 60.4 90.6

39 49.8 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

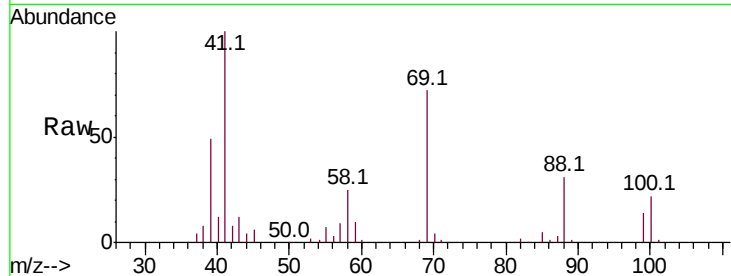




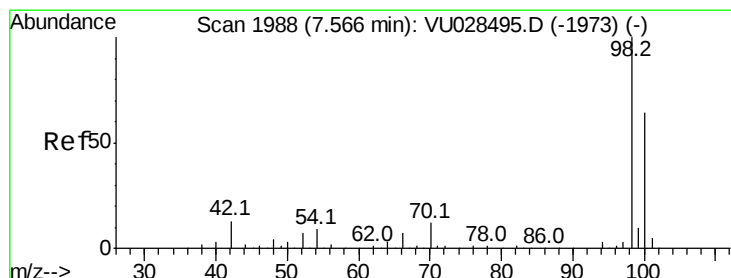
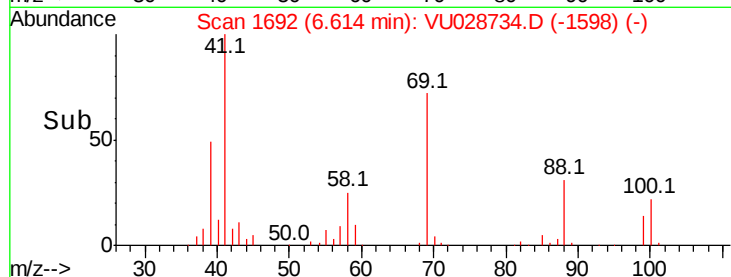
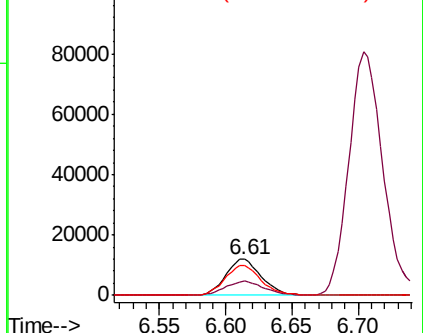
#49
1,4-Dioxane
Concen: 937.499 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 88 Resp: 22512
Ion Ratio Lower Upper
88 100
43 39.2 30.9 46.3
58 83.7 62.4 93.6

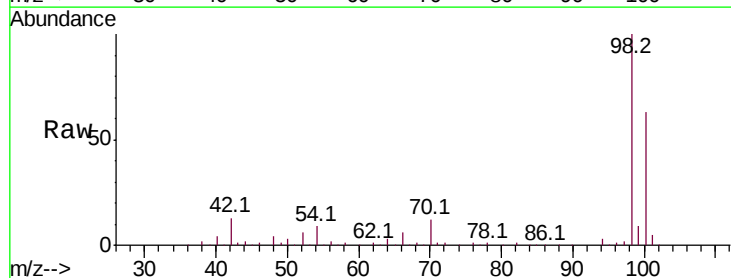


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

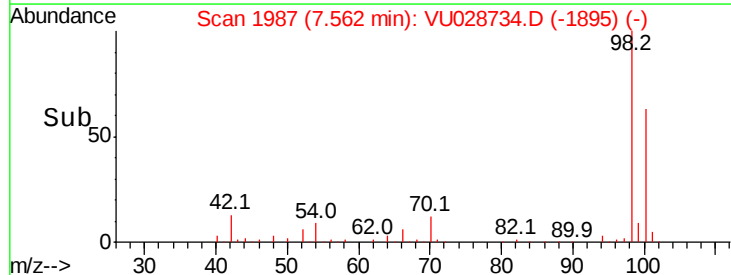
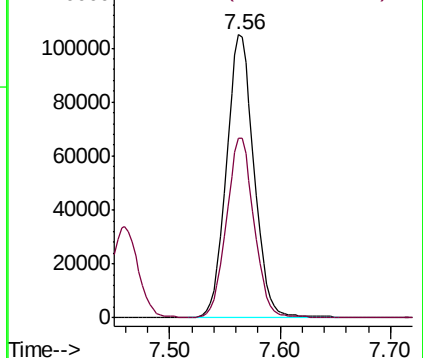


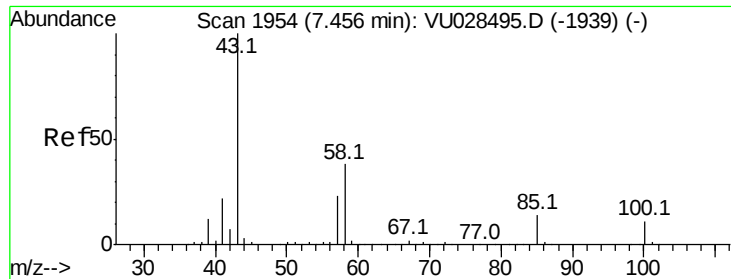
#50
Toluene-d8
Concen: 53.459 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 98 Resp: 181892
Ion Ratio Lower Upper
98 100
100 63.1 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: 274.353 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

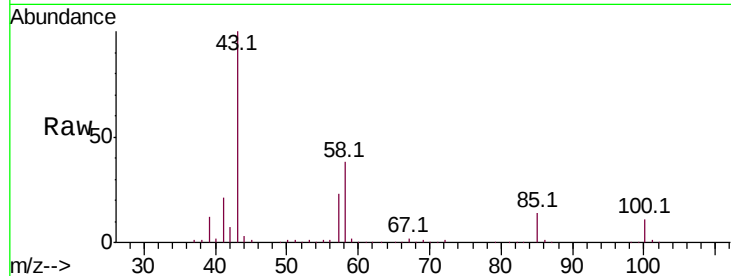
ClientSampled :

Tot Ion: 43 Resp: 529163

Ion Ratio Lower Upper

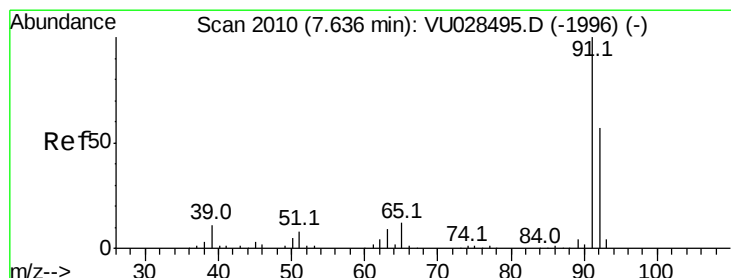
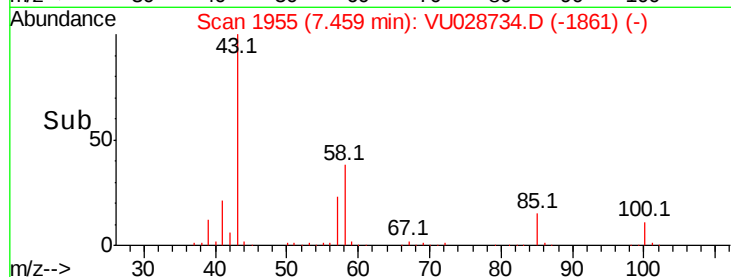
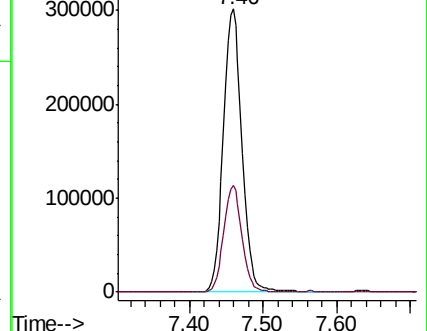
43 100

58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.806 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028734.D

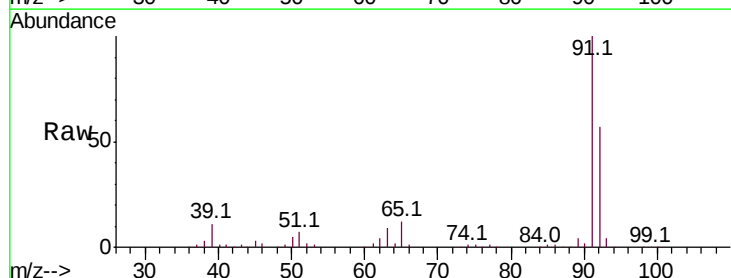
Acq: 17 Dec 2018 20:44

Tgt Ion: 92 Resp: 129119

Ion Ratio Lower Upper

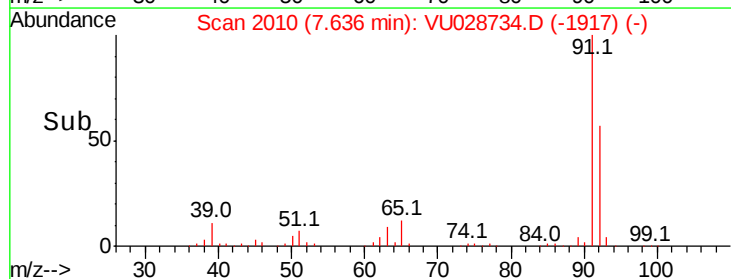
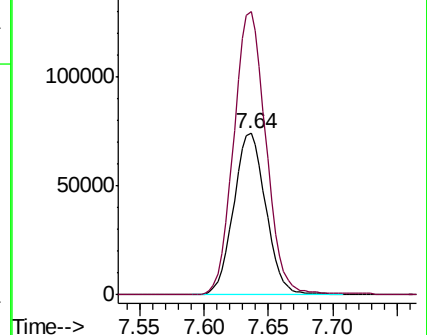
92 100

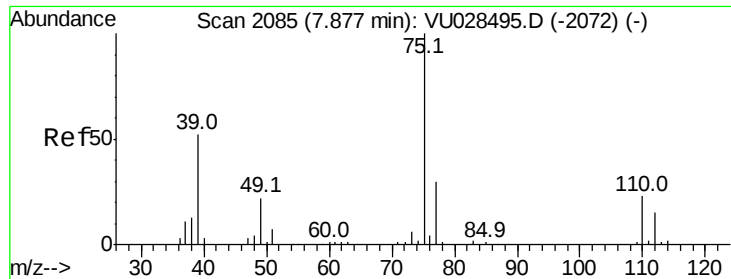
91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 50.008 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

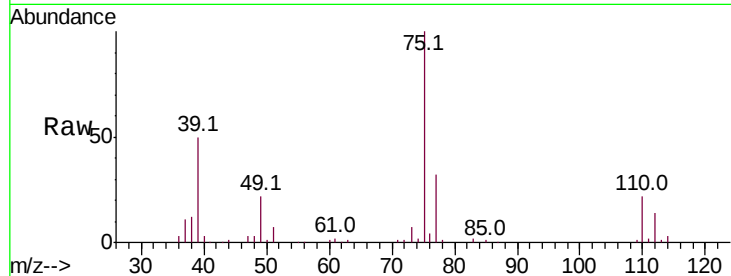
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 85181

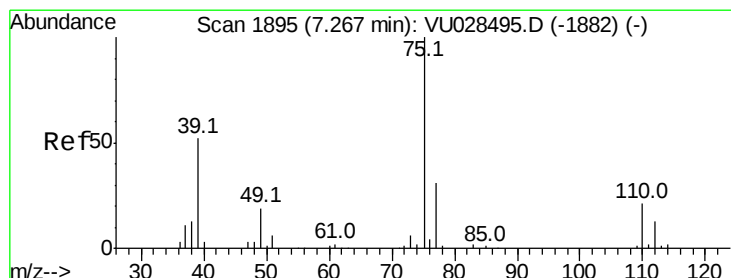
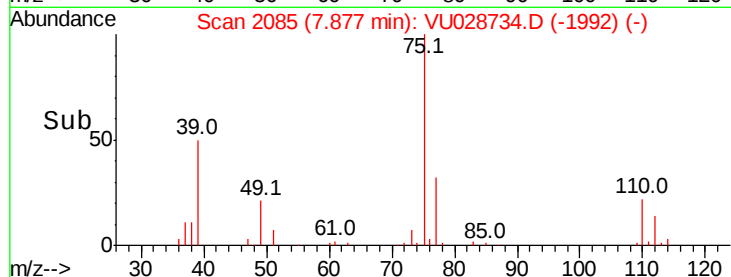
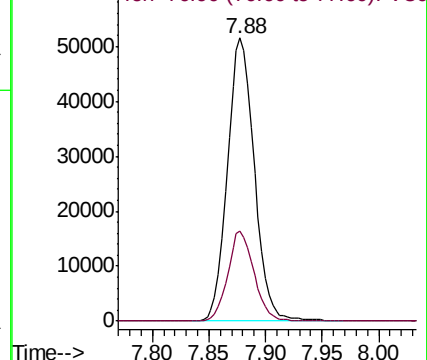
Ion Ratio Lower Upper

75 100

77 32.0 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.799 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

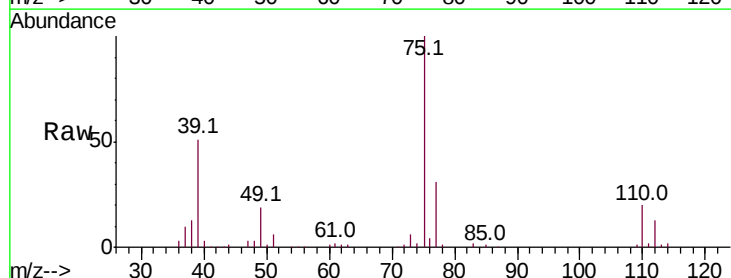
Tgt Ion: 75 Resp: 92030

Ion Ratio Lower Upper

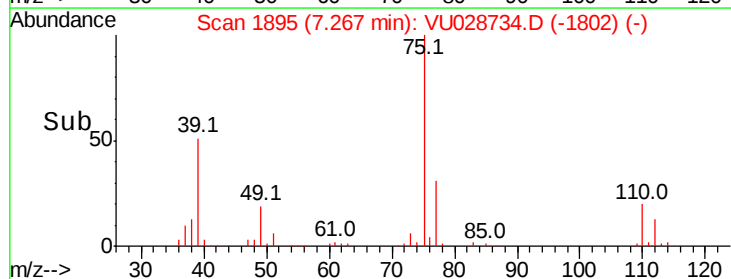
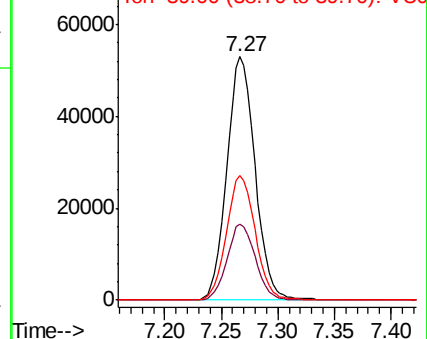
75 100

77 31.4 25.0 37.4

39 51.0 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0
Ion 39.00 (38.70 to 39.70): VU0

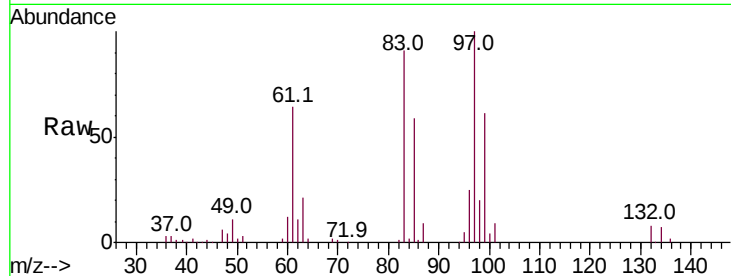




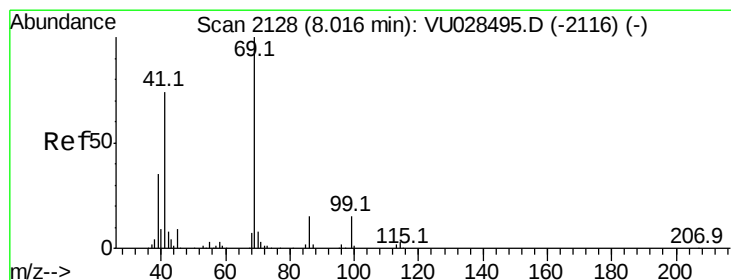
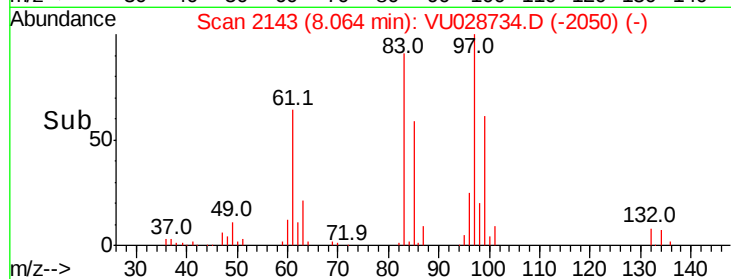
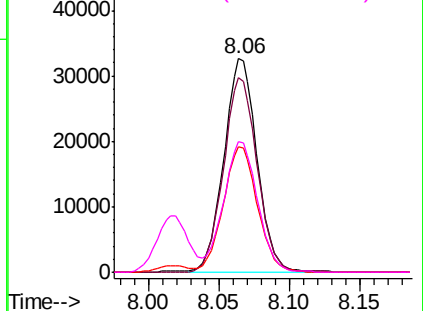
#55
 1,1,2-Trichloroethane
 Concen: 52.189 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	53481
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.4	108.6
85	58.7	46.0	69.0
99	61.2	47.4	71.2

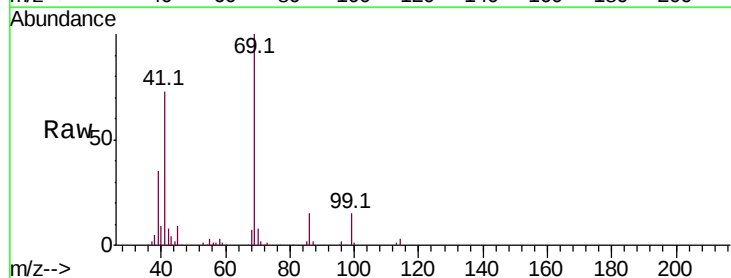


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

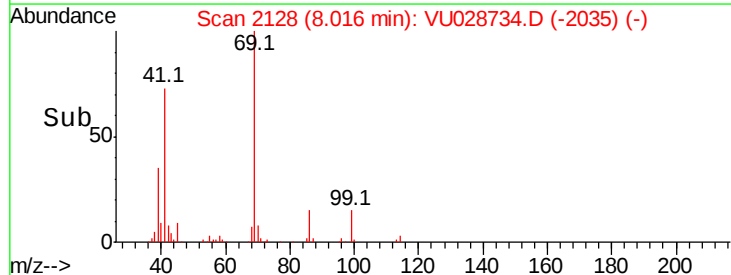
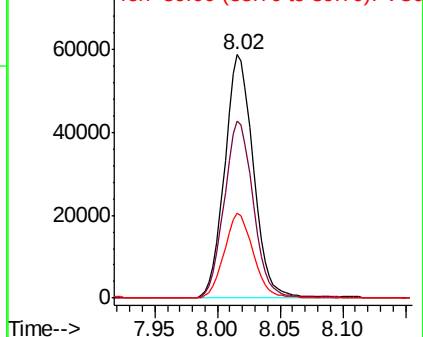


#56
 Ethyl methacrylate
 Concen: 53.339 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:	69	Resp:	93602
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.1	88.7
39	35.3	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: 51.424 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

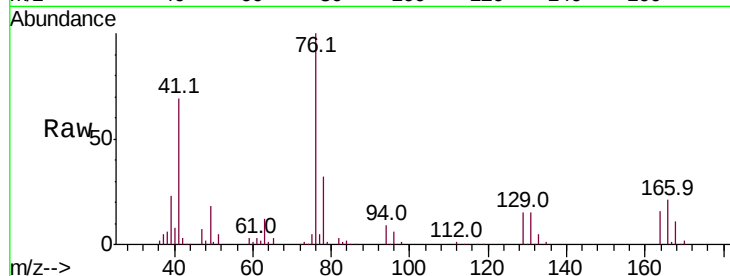
ClientSampleId :

Tot Ion: 76 Resp: 97822

Ion Ratio Lower Upper

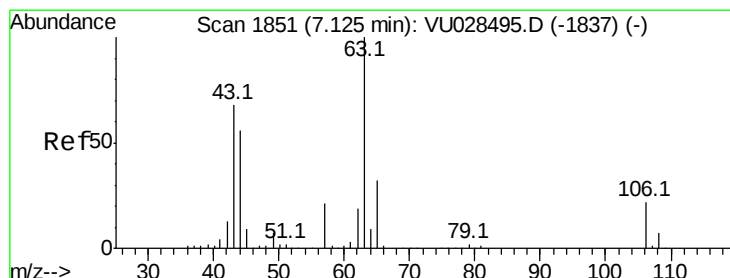
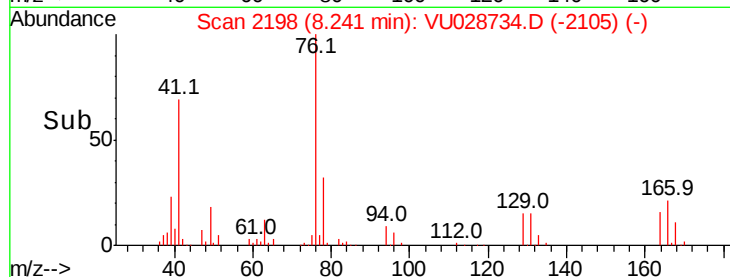
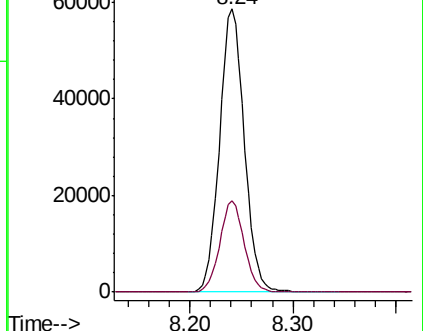
76 100

78 31.7 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: 272.798 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028734.D

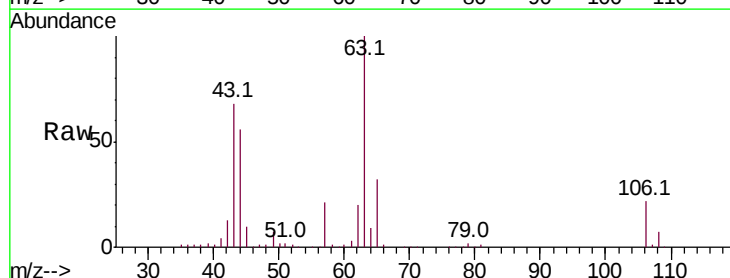
Acq: 17 Dec 2018 20:44

Tgt Ion: 63 Resp: 245203

Ion Ratio Lower Upper

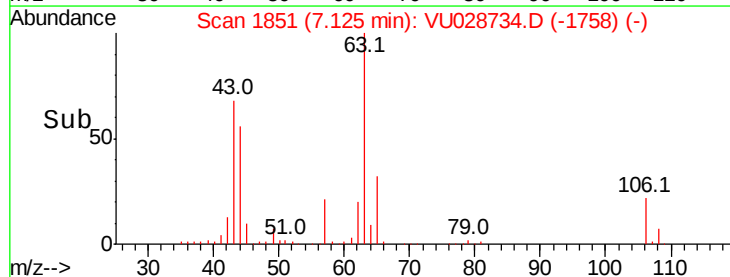
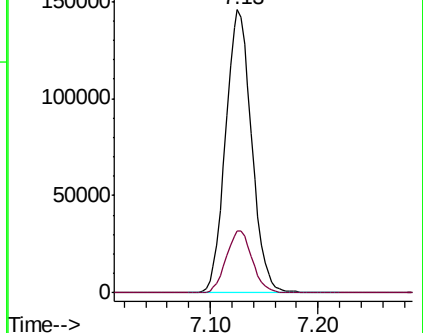
63 100

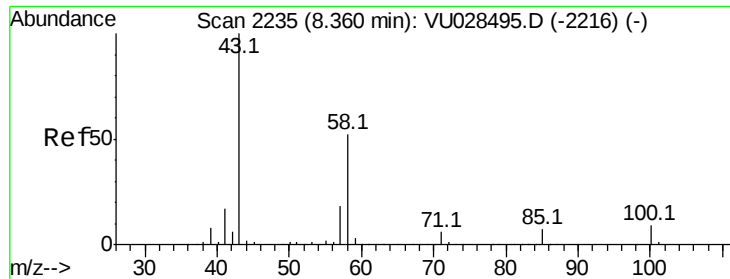
106 22.0 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

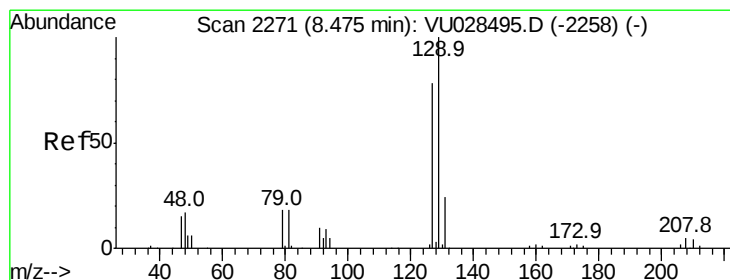
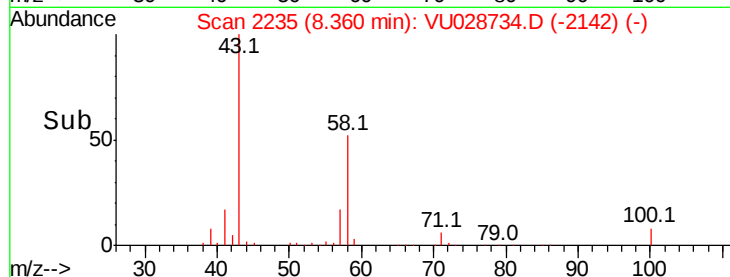
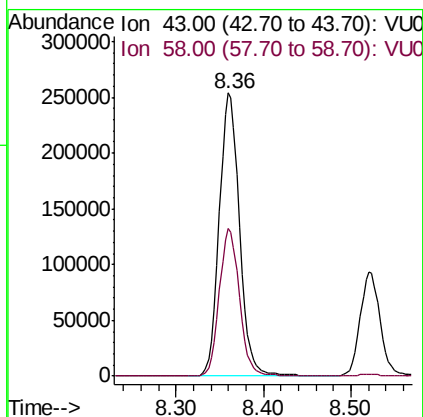
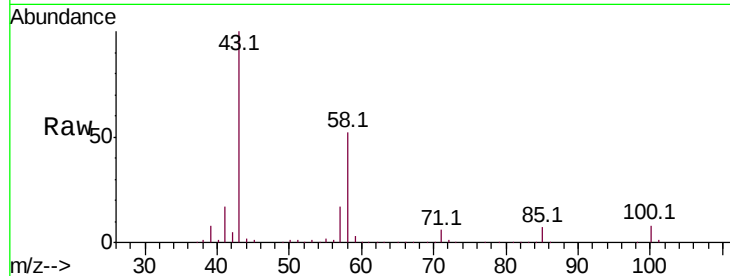




#59
2-Hexanone
Concen: 266.366 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

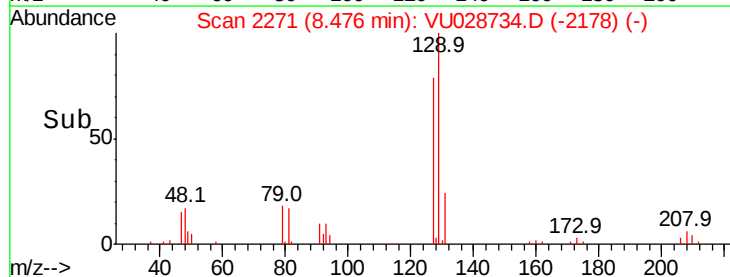
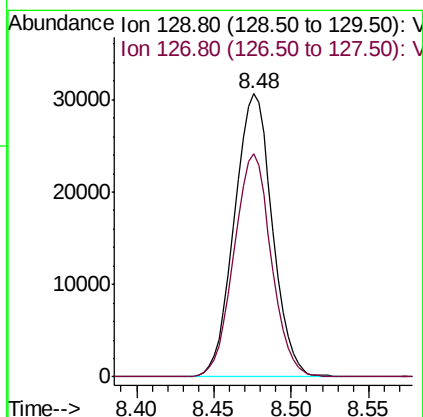
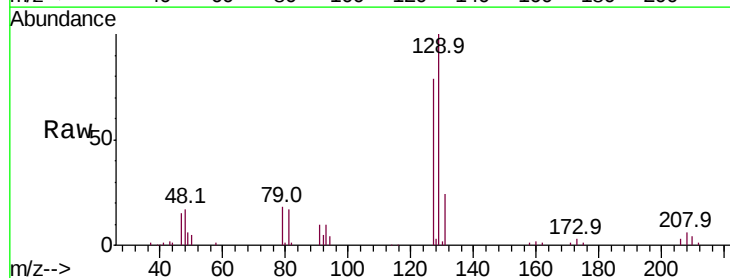
Instrument :
MSVOA_U
ClientSampled :

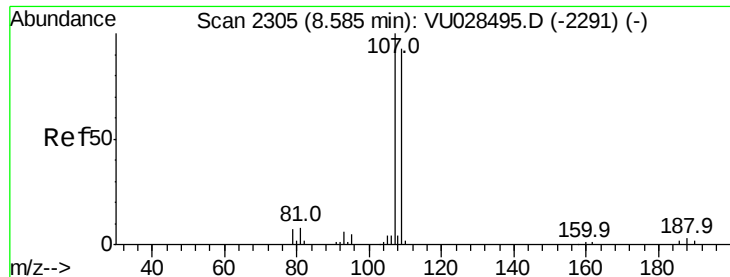
Tot Ion: 43 Resp: 407209
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.6



#60
Dibromochloromethane
Concen: 52.020 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 129 Resp: 52192
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3

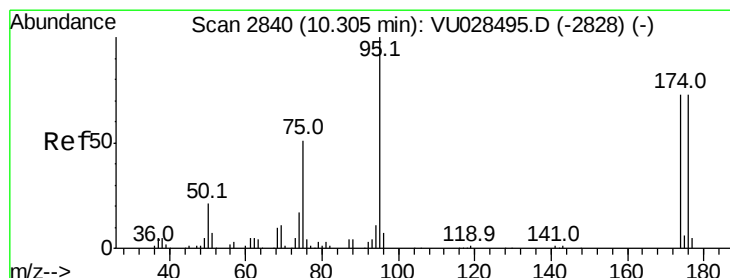
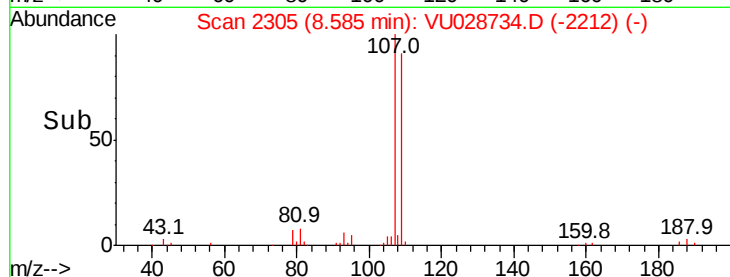
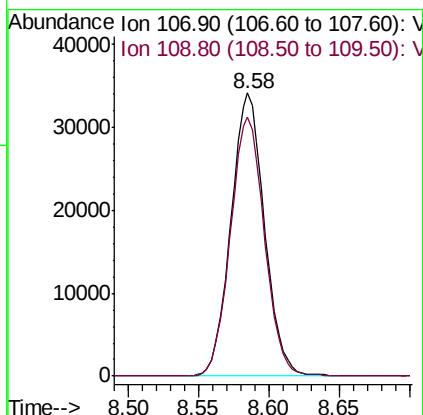
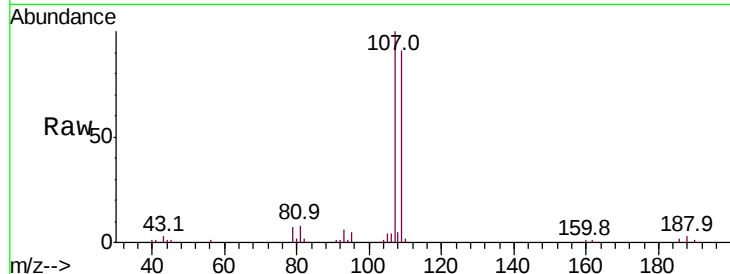




#61
 1,2-Dibromoethane
 Concen: 52.828 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

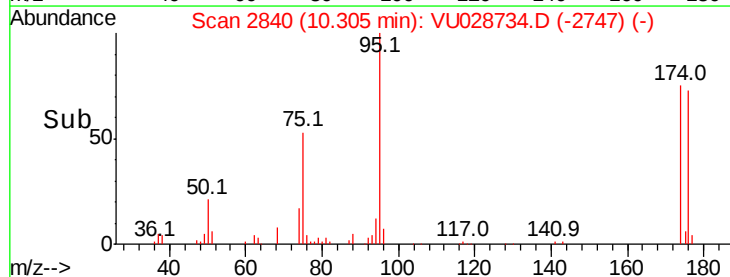
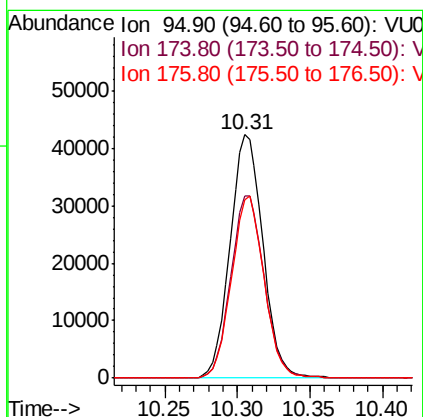
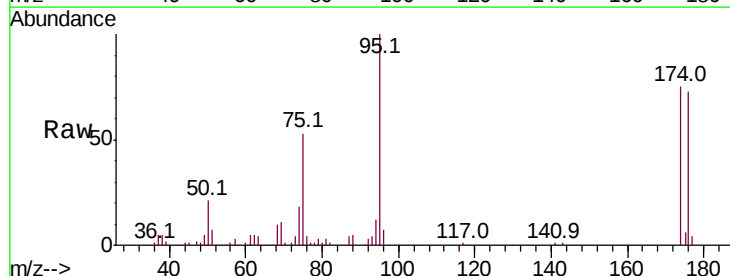
Instrument :
 MSVOA_U
 ClientSampleId :

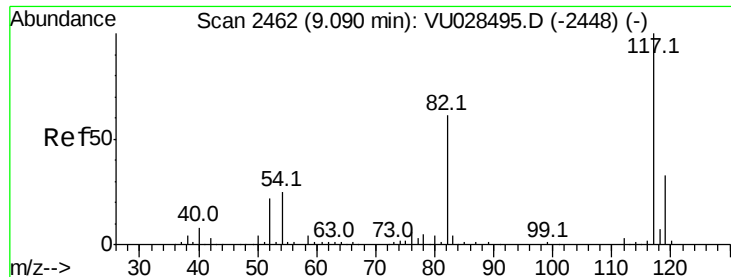
Tot Ion:107 Resp: 56771
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 52.284 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion: 95 Resp: 66491
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.4
 176 74.1 0.0 145.2

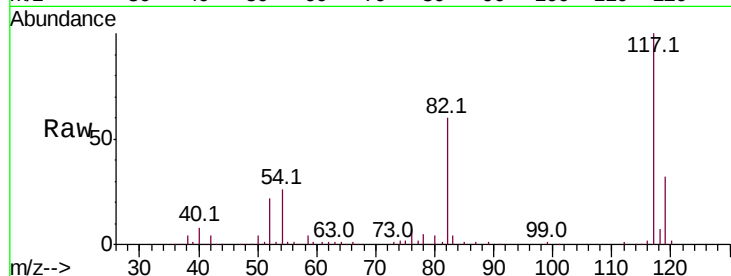




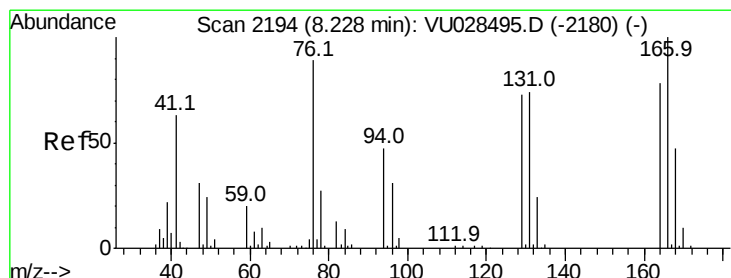
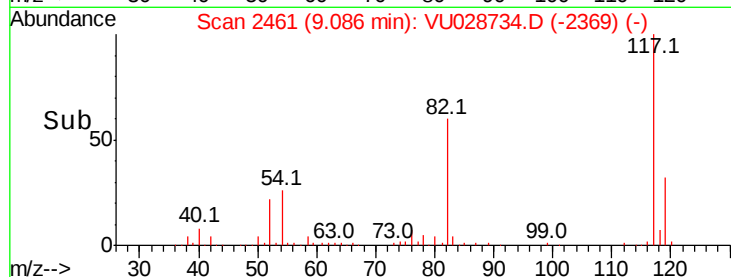
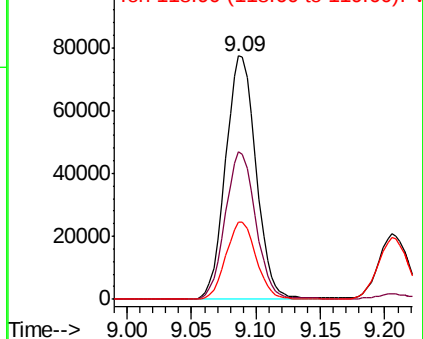
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 127083
Ion Ratio Lower Upper
117 100
82 60.5 48.9 73.3
119 31.9 26.2 39.4

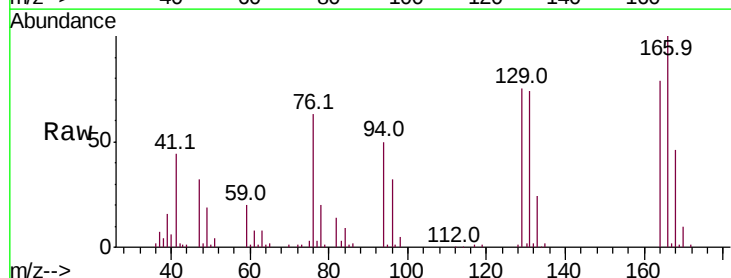


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

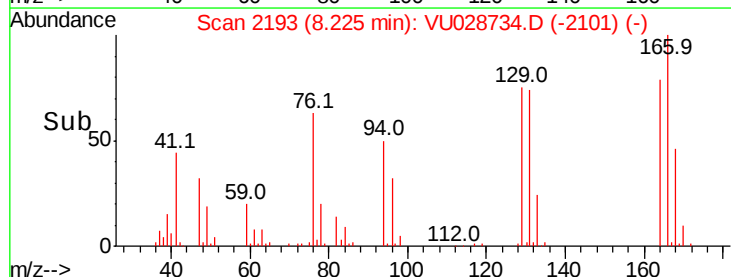
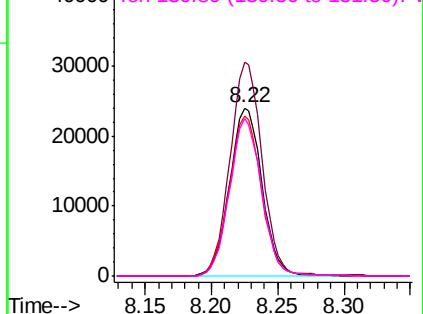


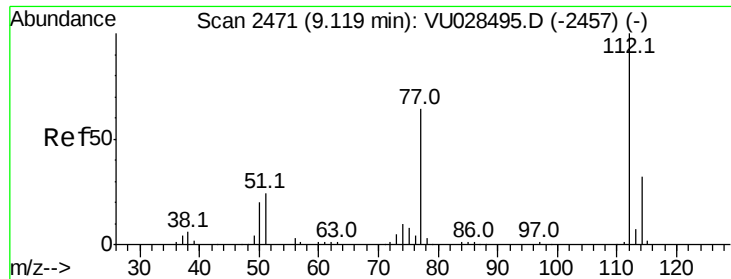
#64
Tetrachloroethene
Concen: 48.114 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion:164 Resp: 40785
Ion Ratio Lower Upper
164 100
166 127.3 101.9 152.9
129 95.4 74.9 112.3
131 93.6 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

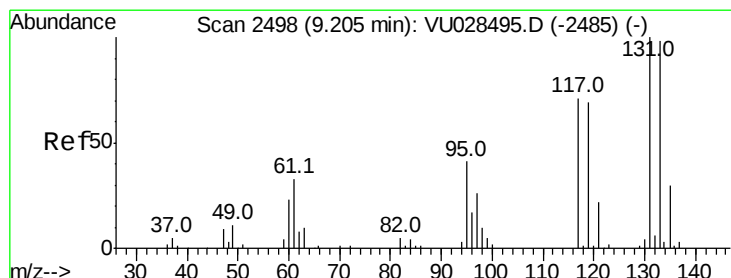
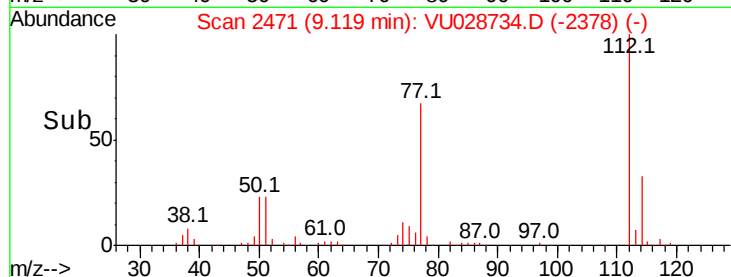
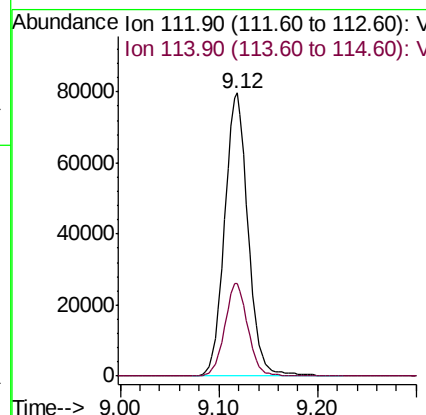
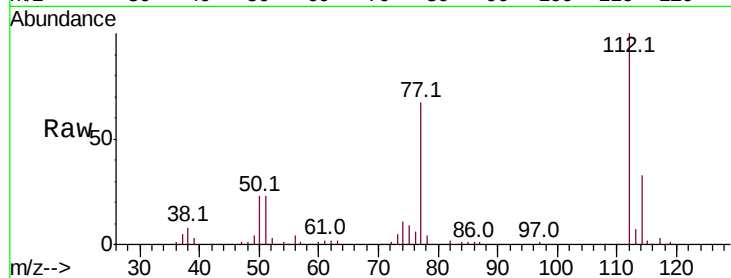




#65
Chlorobenzene
Concen: 49.149 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

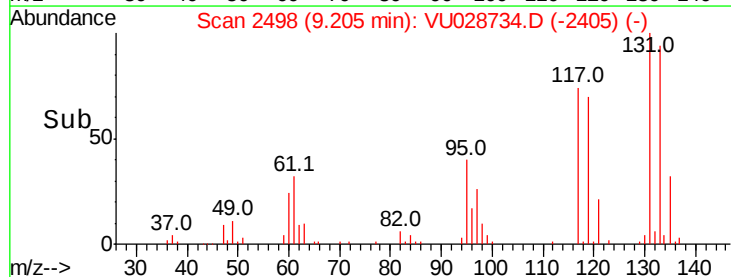
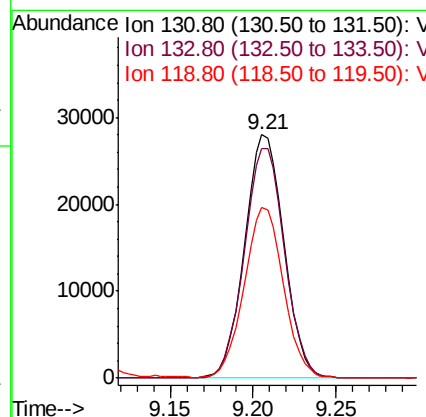
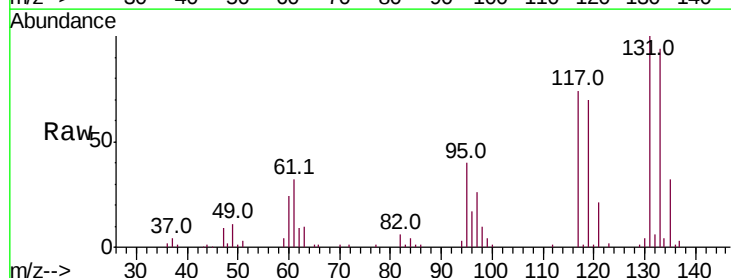
Instrument :
MSVOA_U
ClientSampleId :

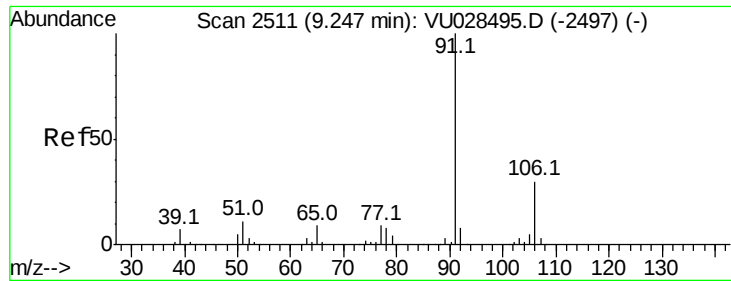
Tot Ion:112 Resp: 133096
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.298 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion:131 Resp: 46090
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 70.2 34.6 103.9

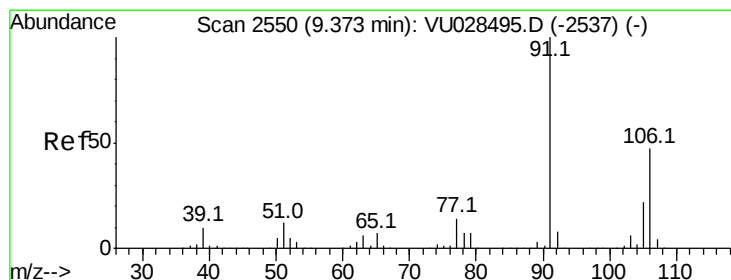
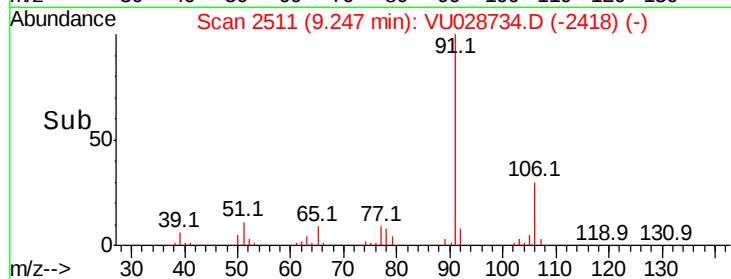
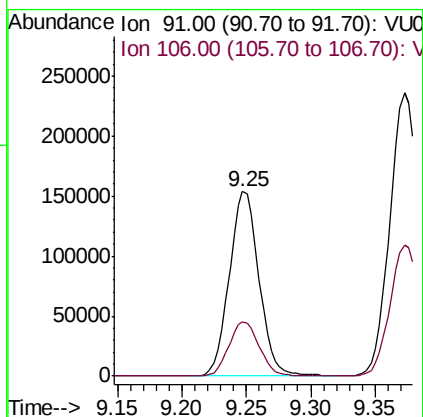
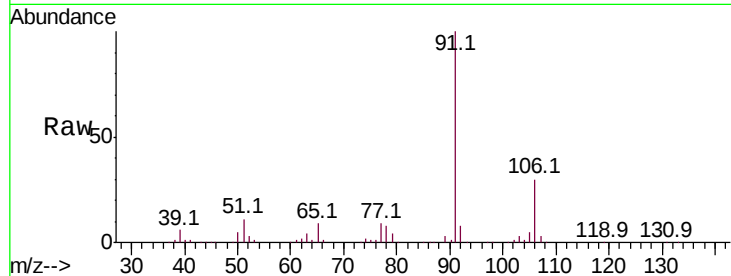




#67
Ethyl Benzene
Concen: 49.494 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

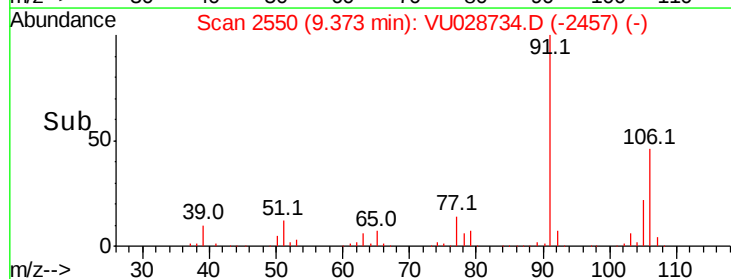
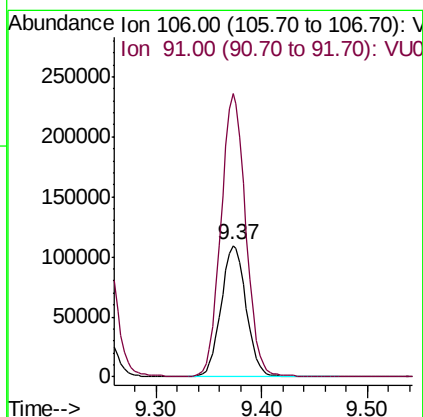
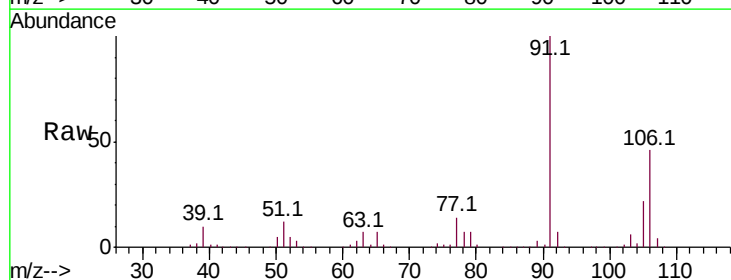
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 246389
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1



#68
m/p-Xylenes
Concen: 99.667 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 106 Resp: 180541
Ion Ratio Lower Upper
106 100
91 212.7 167.4 251.0

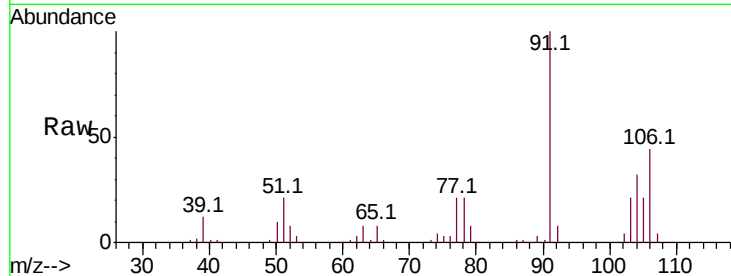




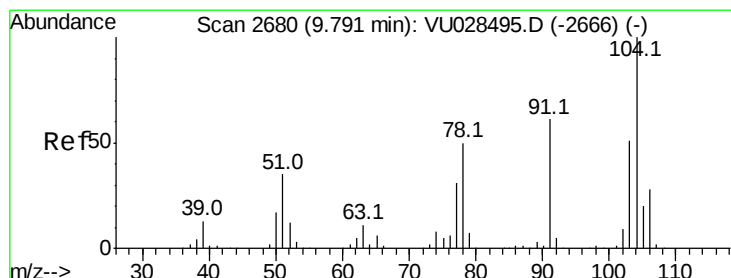
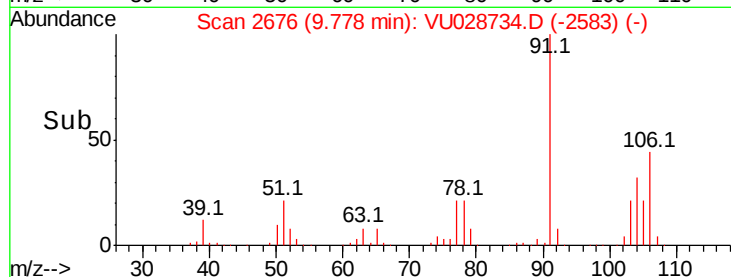
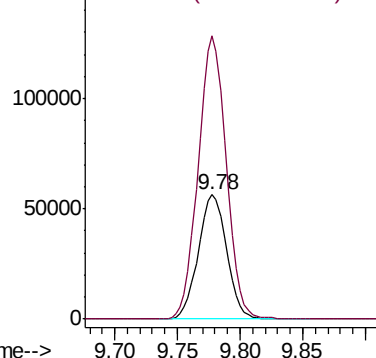
#69
o-Xylene
Concen: 50.466 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 88838
Ion Ratio Lower Upper
106 100
91 224.2 111.3 334.0

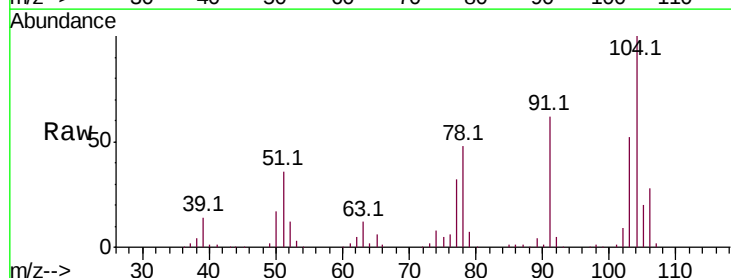


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

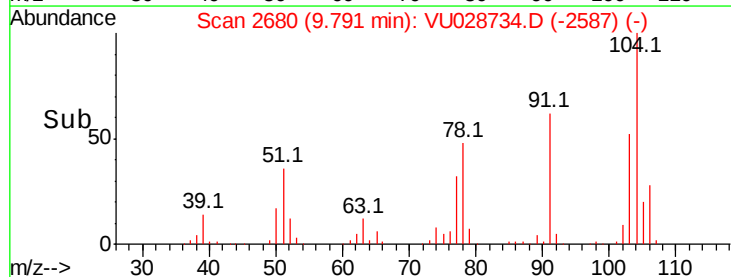
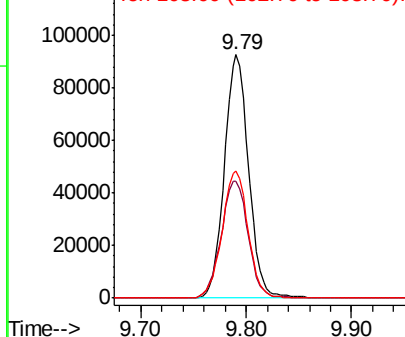


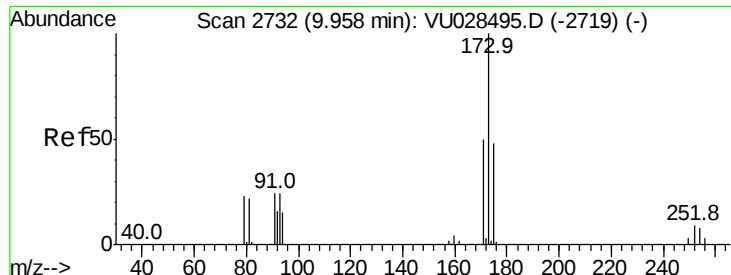
#70
Styrene
Concen: 50.498 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion:104 Resp: 147114
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 56.0 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: 55.407 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :

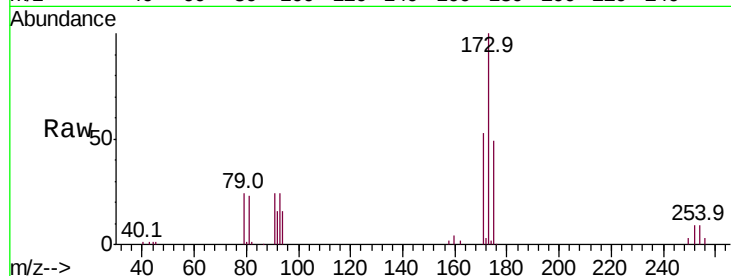
Tot Ion:173 Resp: 40760

Ion Ratio Lower Upper

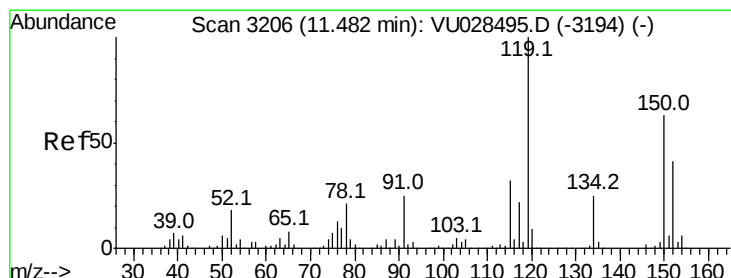
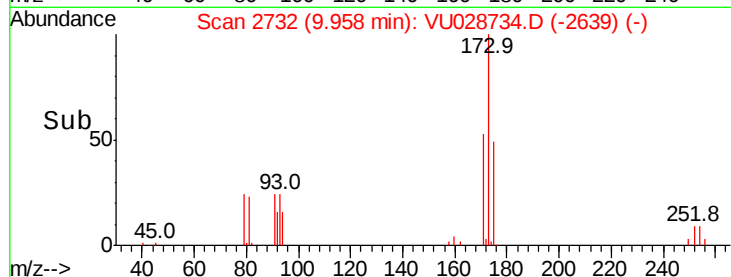
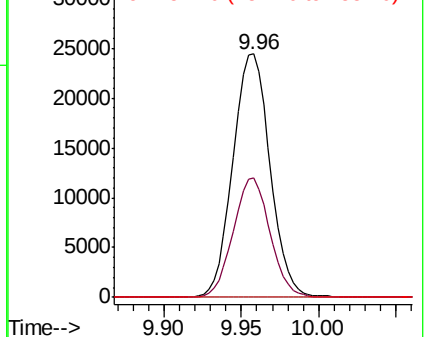
173 100

175 48.4 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: VU028734.D

Acq: 17 Dec 2018 20:44

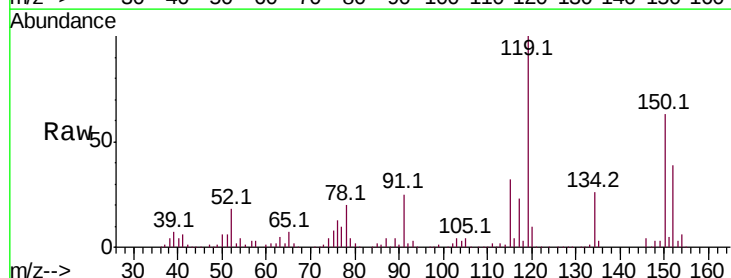
Tgt Ion:152 Resp: 62922

Ion Ratio Lower Upper

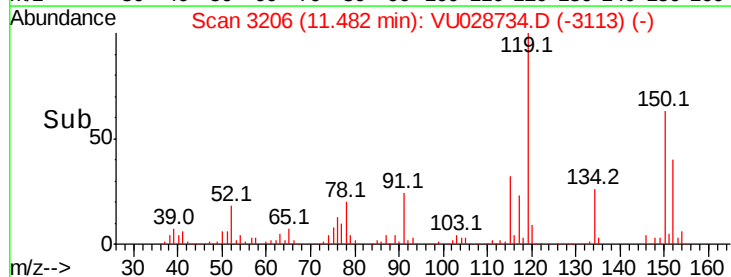
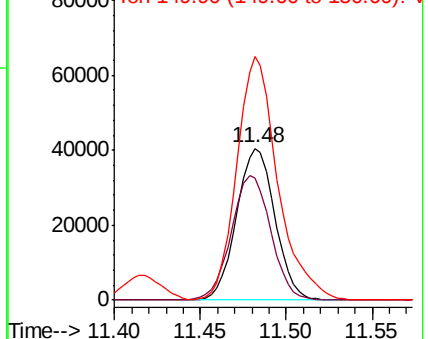
152 100

115 84.7 42.7 128.1

150 171.6 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: 49.157 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

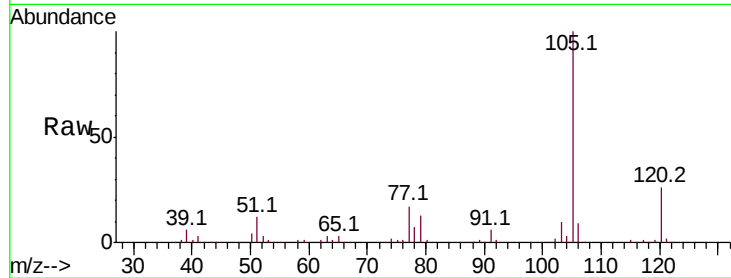
ClientSampleId :

Tot Ion:105 Resp: 237340

Ion Ratio Lower Upper

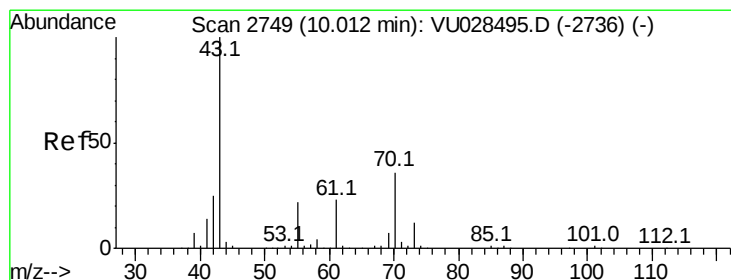
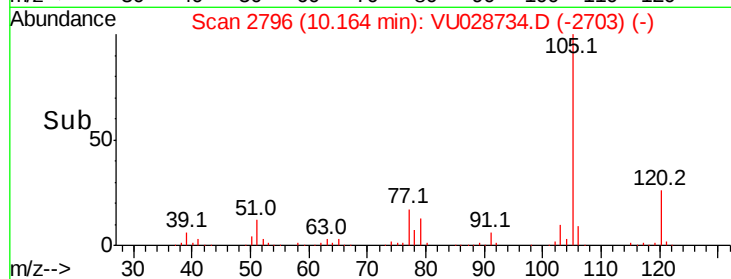
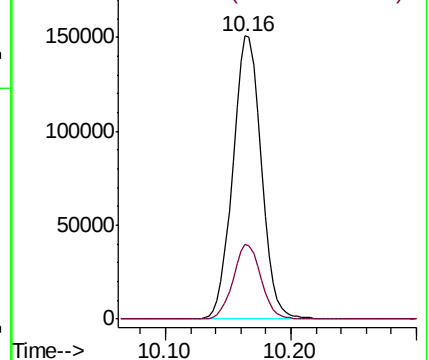
105 100

120 25.9 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.772 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Tgt Ion: 43 Resp: 146974

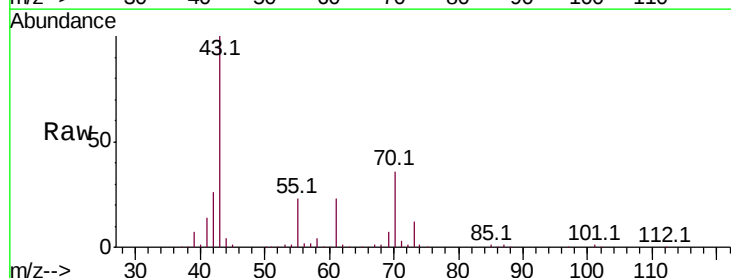
Ion Ratio Lower Upper

43 100

70 36.1 29.3 43.9

55 22.6 18.0 27.0

61 22.4 18.3 27.5

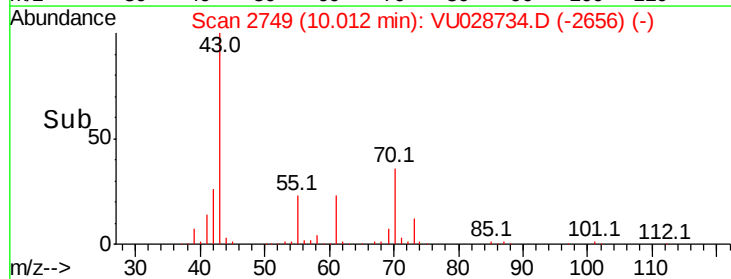
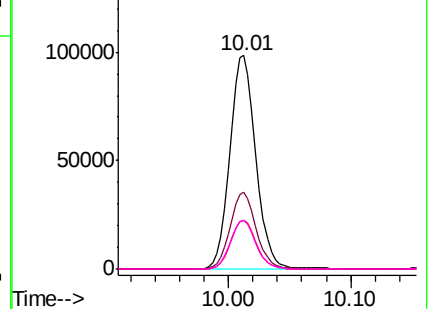


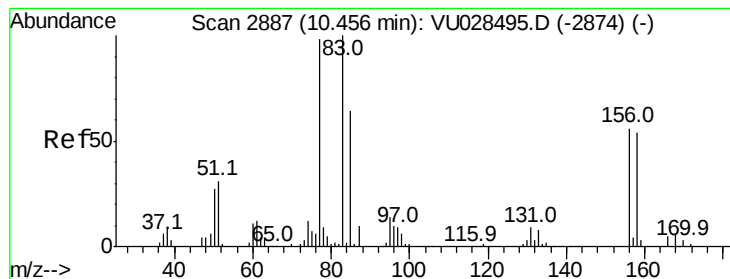
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.332 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampled :

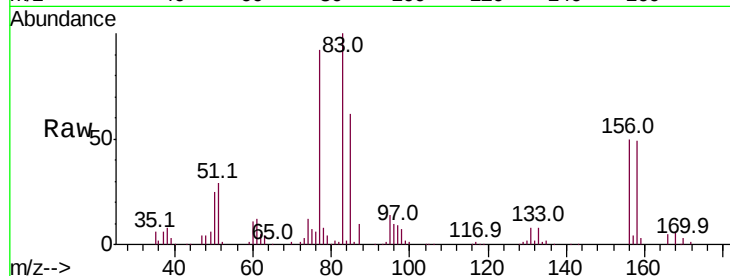
Tot Ion: 83 Resp: 98916

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

85 63.1 31.8 95.4

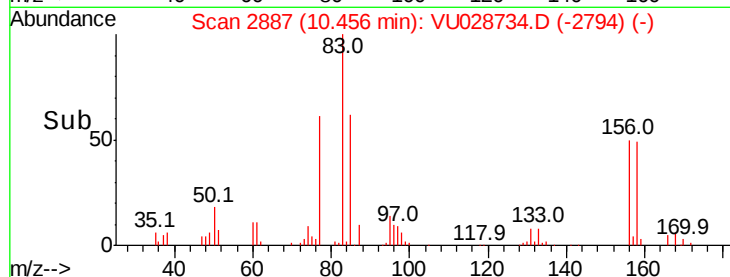


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)

Time-->

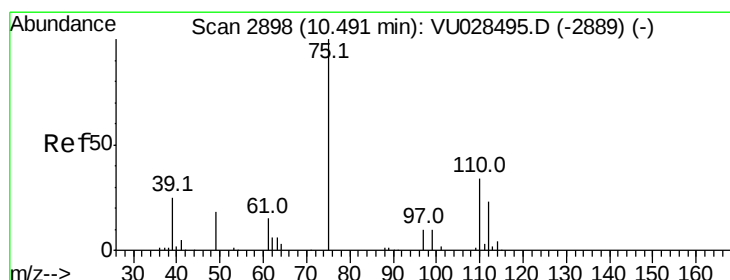


Abundance Ion 82.90 (82.60 to 83.60): VU028734.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028734.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028734.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 72.713 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028734.D

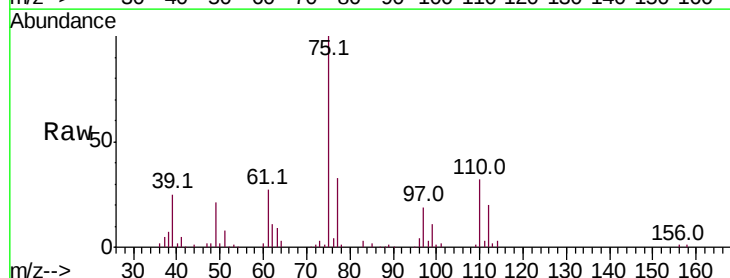
Acq: 17 Dec 2018 20:44

Tgt Ion: 75 Resp: 116830

Ion Ratio Lower Upper

75 100

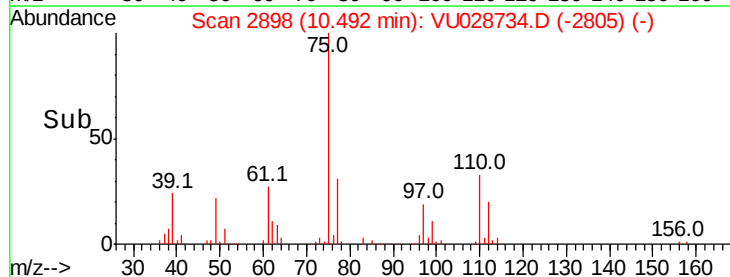
77 30.4 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028734.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028734.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 49.537 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

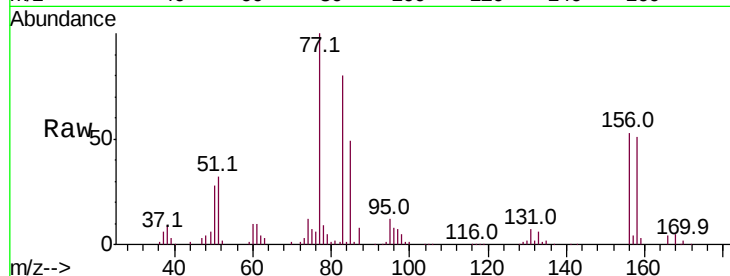
Tot Ion:156 Resp: 55937

Ion Ratio Lower Upper

156 100

77 186.3 92.4 277.2

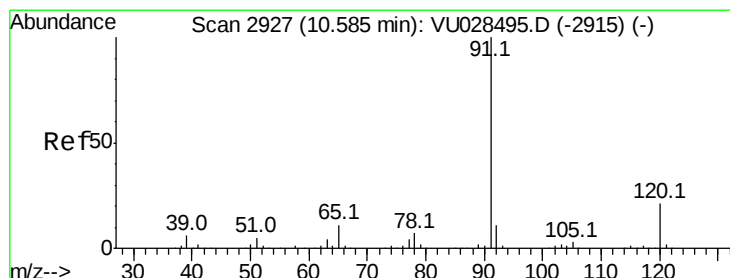
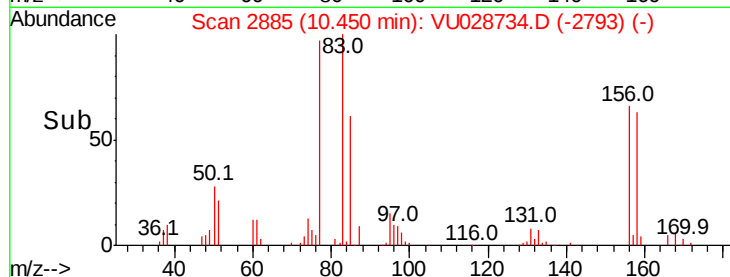
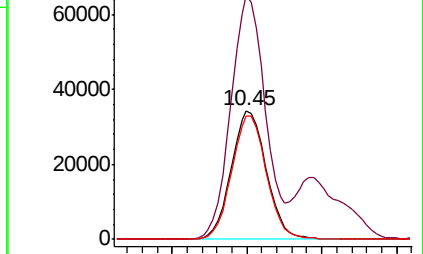
158 95.3 48.4 145.3



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: 48.710 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028734.D

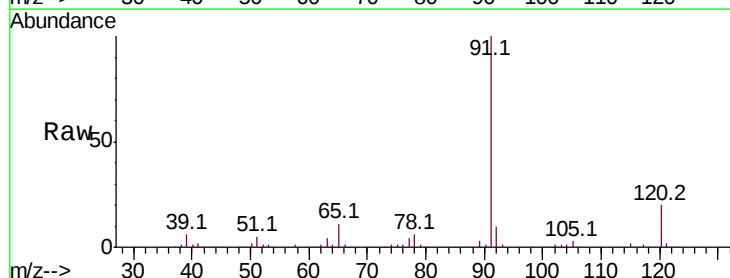
Acq: 17 Dec 2018 20:44

Tgt Ion: 91 Resp: 292236

Ion Ratio Lower Upper

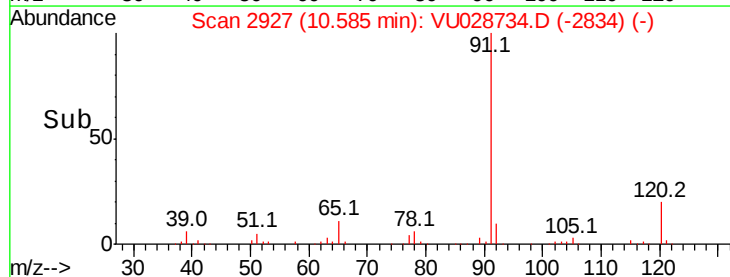
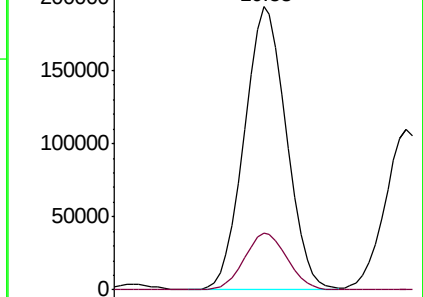
91 100

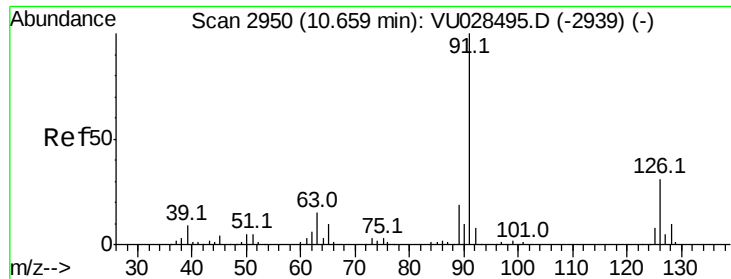
120 20.5 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

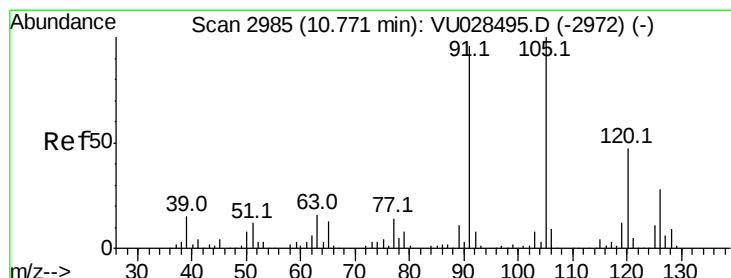
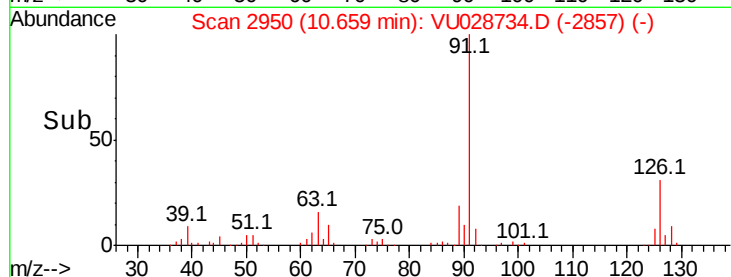
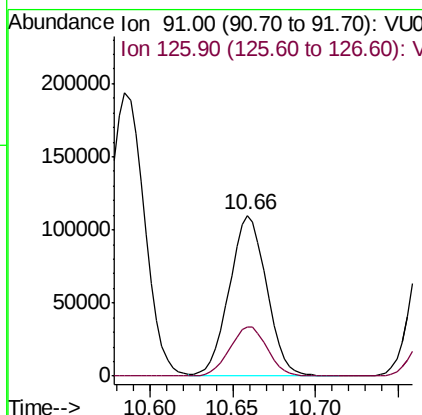
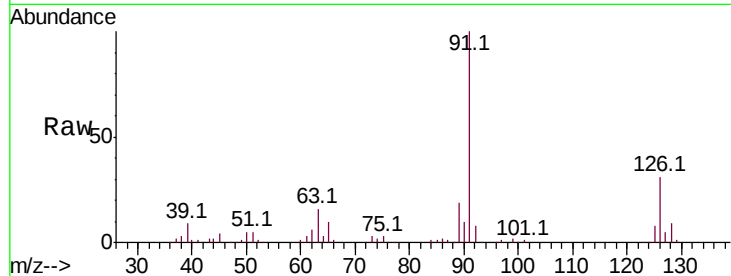




#79
 2-Chlorotoluene
 Concen: 49.326 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

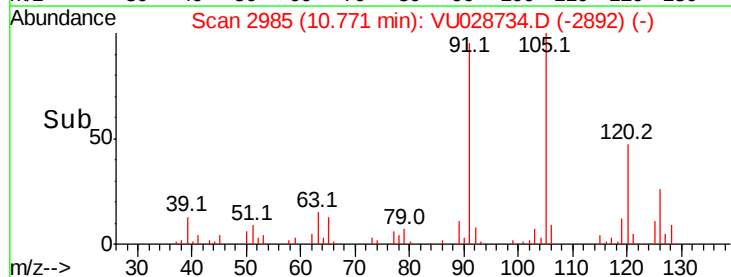
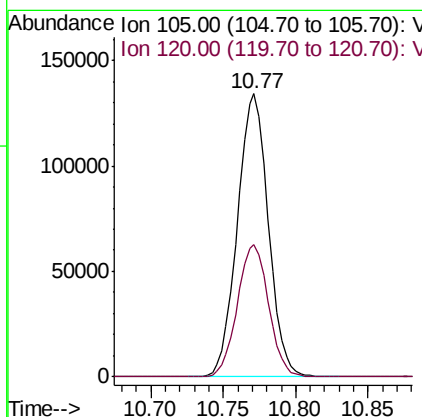
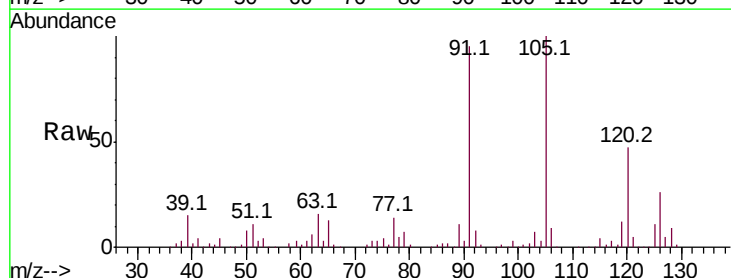
Instrument :
 MSVOA_U
 ClientSampleId :

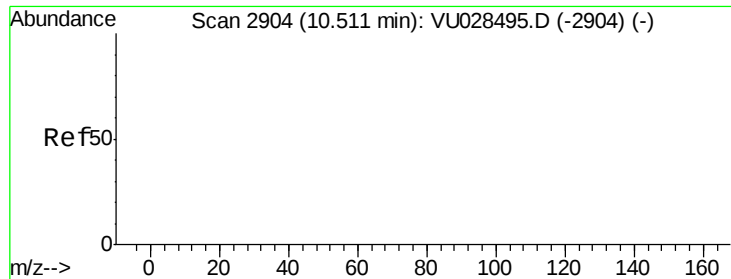
Tot Ion: 91 Resp: 170465
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.780 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:105 Resp: 198952
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 177.429 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028734.D

Acq: 17 Dec 2018 20:44

Instrument :

MSVOA_U

ClientSampleId :

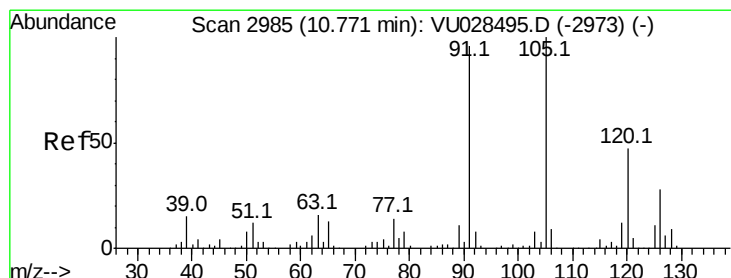
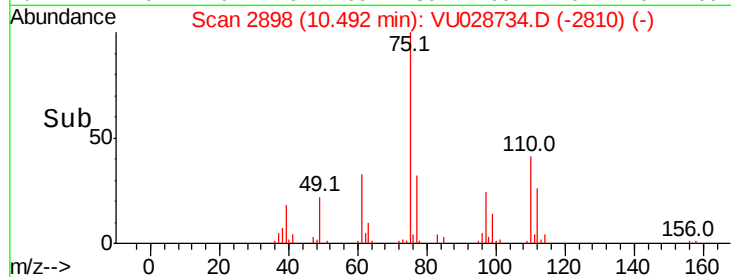
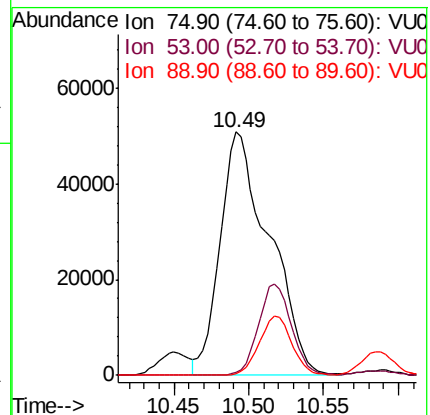
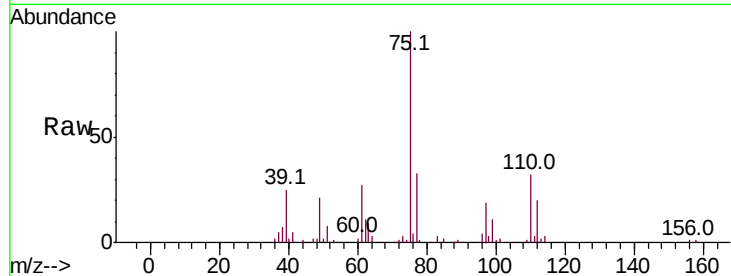
Tot Ion: 75 Resp: 116830

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 47.963 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028734.D

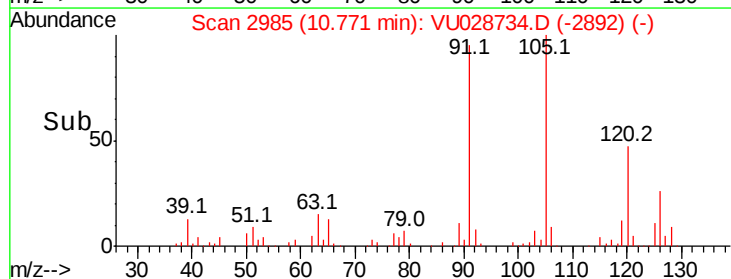
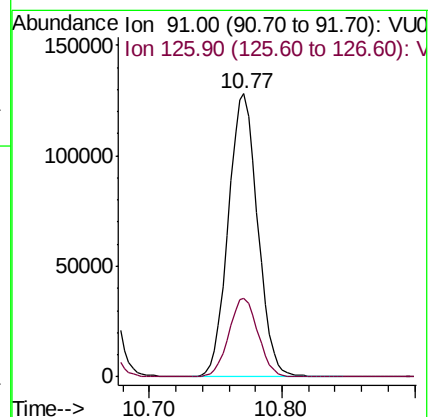
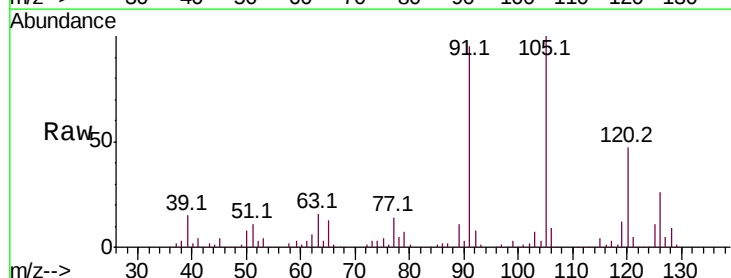
Acq: 17 Dec 2018 20:44

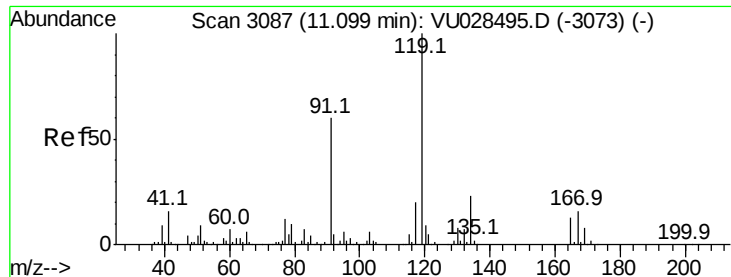
Tgt Ion: 91 Resp: 196421

Ion Ratio Lower Upper

91 100

126 27.9 14.1 42.3

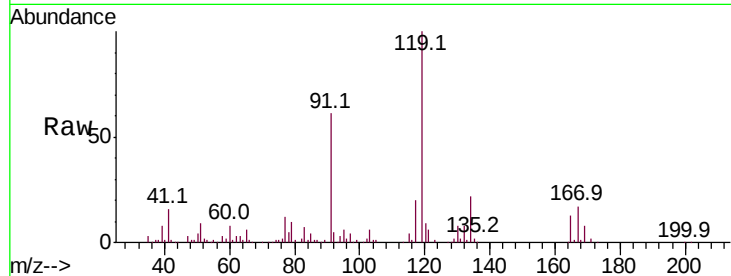




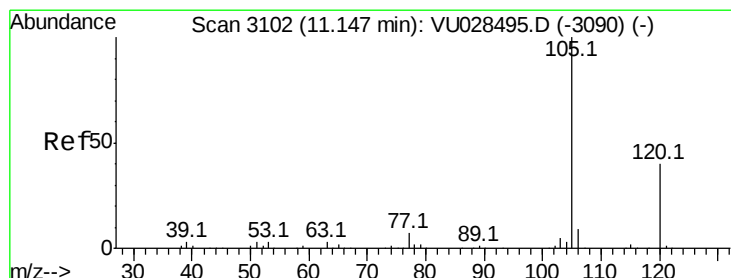
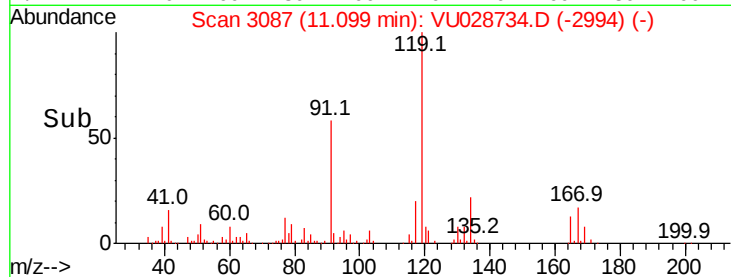
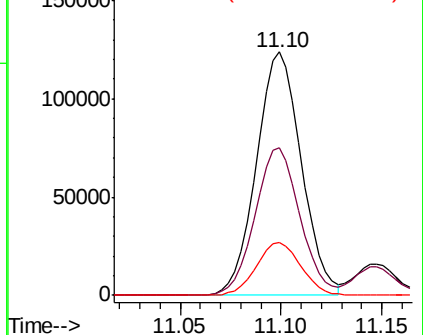
#83
tert-Butylbenzene
Concen: 49.949 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.3	91.0
134	21.4	11.2	33.5

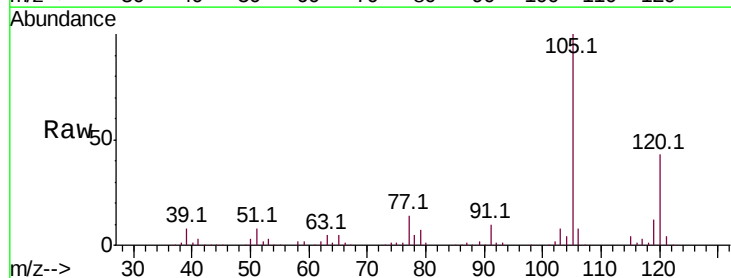


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

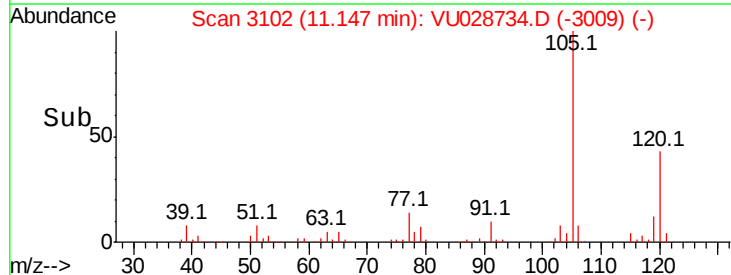
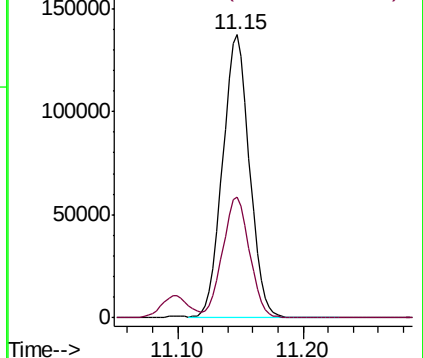


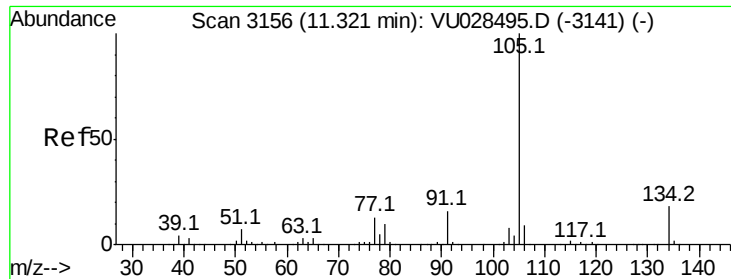
#84
1,2,4-Trimethylbenzene
Concen: 49.776 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.8	65.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

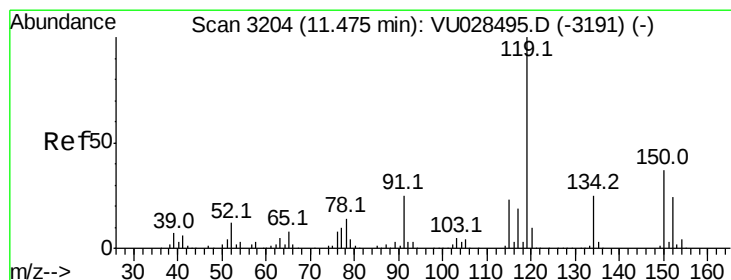
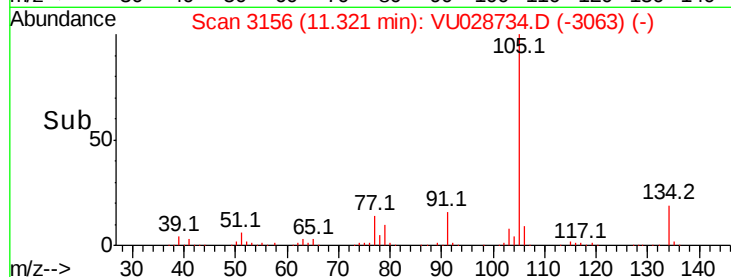
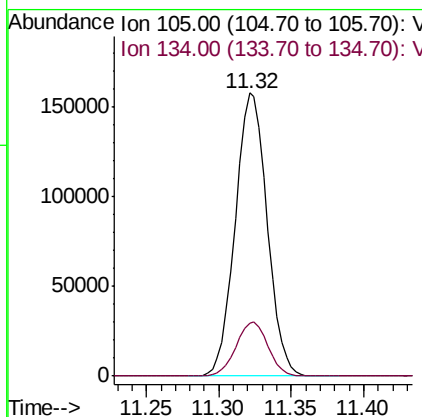
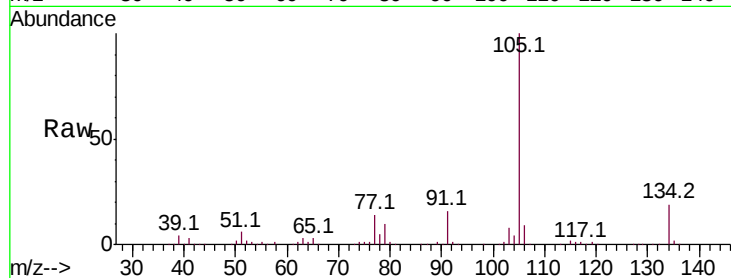




#85
 sec-Butylbenzene
 Concen: 48.705 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

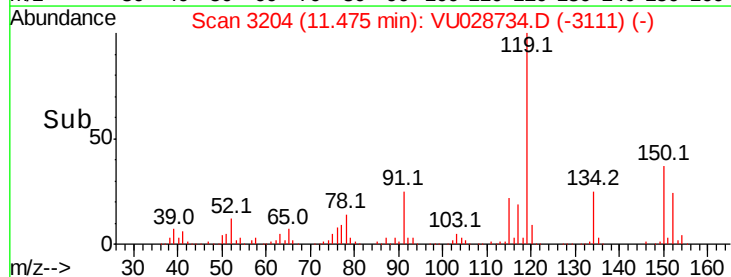
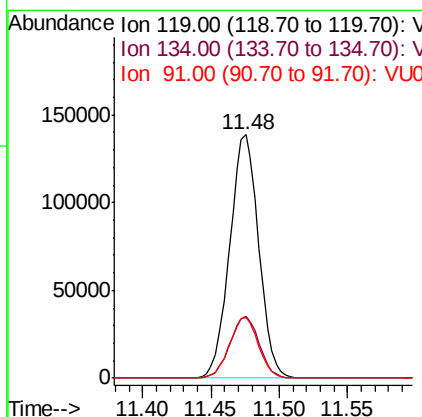
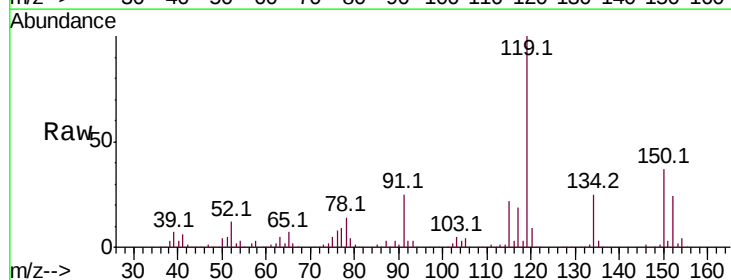
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 241034
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 48.622 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:119 Resp: 204402
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 24.9 12.6 37.6

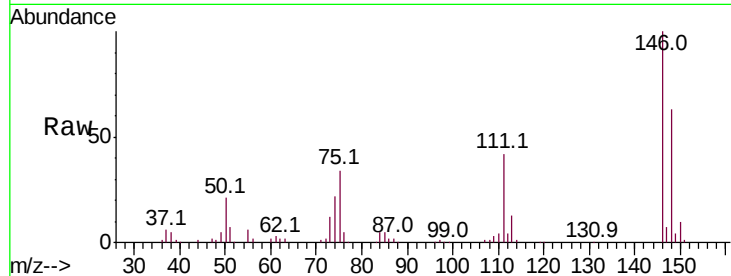




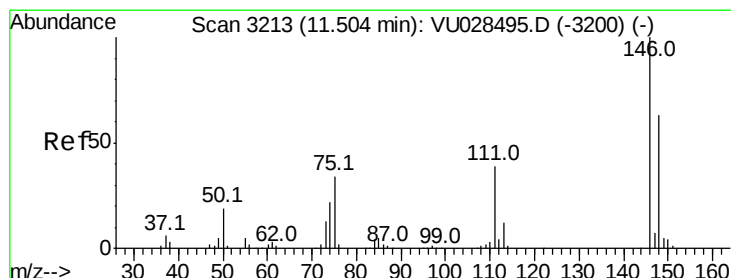
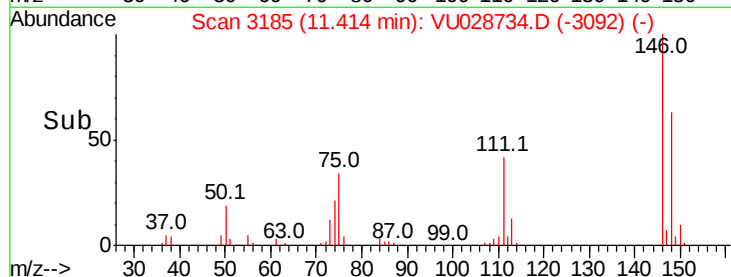
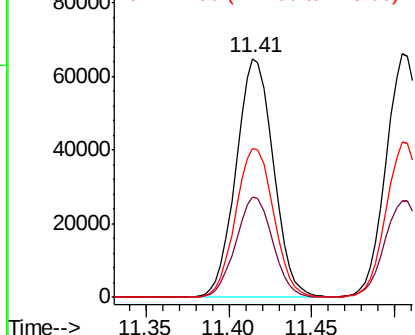
#87
 1,3-Dichlorobenzene
 Concen: 47.848 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 102023
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.7 62.1
 148 63.8 31.9 95.7

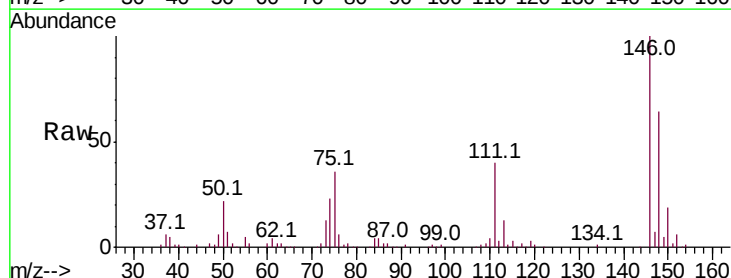


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

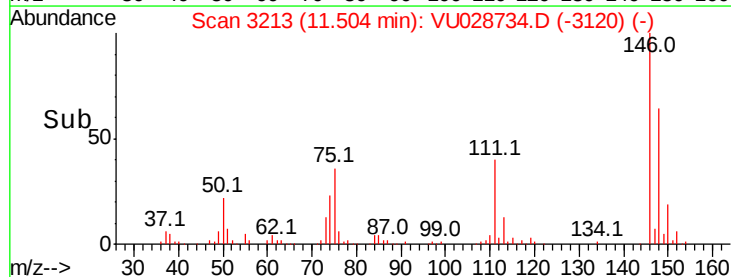
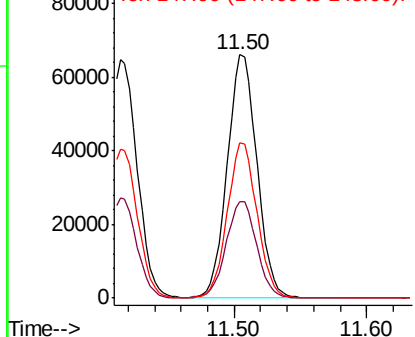


#88
 1,4-Dichlorobenzene
 Concen: 46.763 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:146 Resp: 103161
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.2 60.5
 148 63.7 31.6 95.0



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

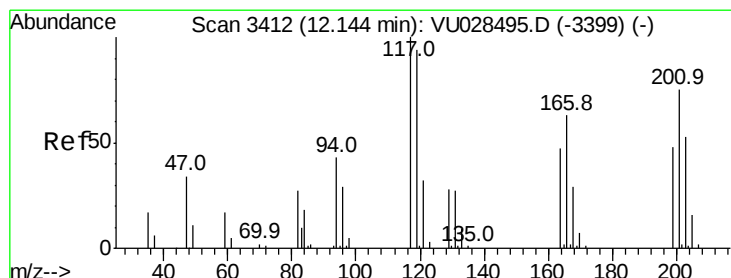
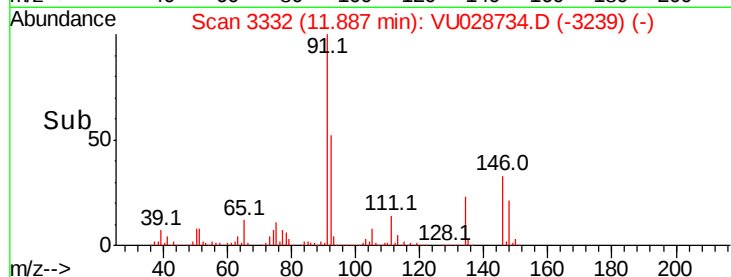
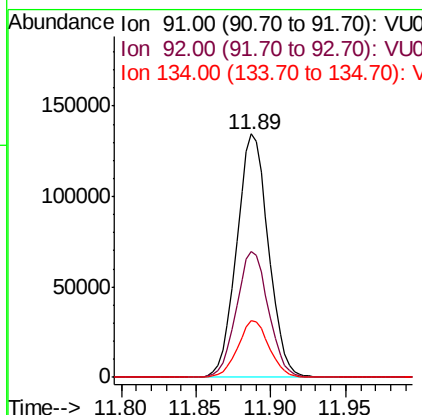
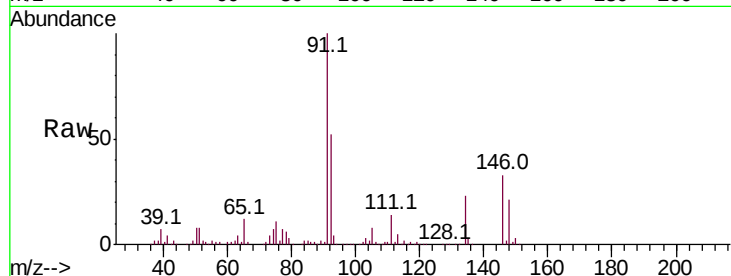




#89
n-Butylbenzene
Concen: 46.631 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

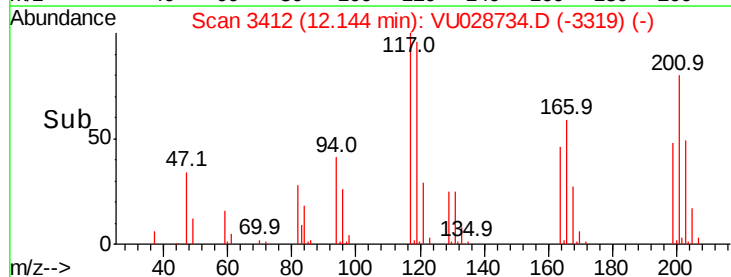
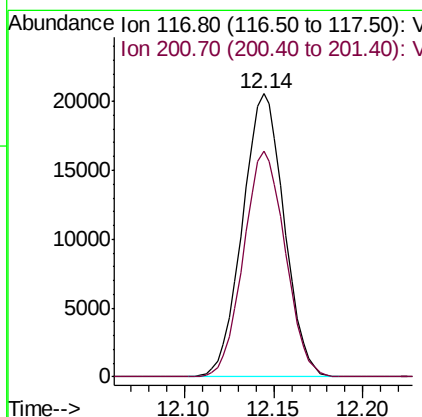
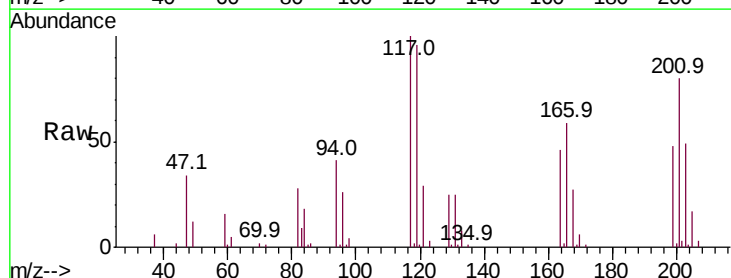
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 198391
Ion Ratio Lower Upper
91 100
92 52.3 26.3 78.9
134 23.0 11.3 33.8



#90
Hexachloroethane
Concen: 52.872 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion: 117 Resp: 33595
Ion Ratio Lower Upper
117 100
201 79.8 38.1 114.5

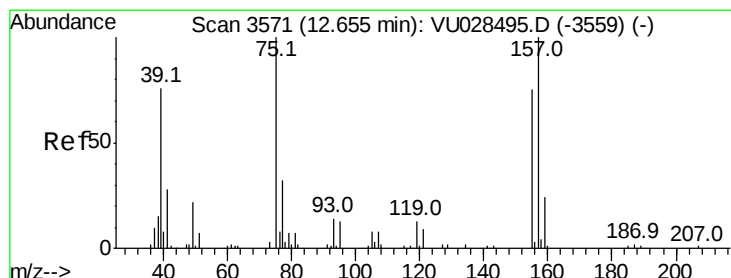
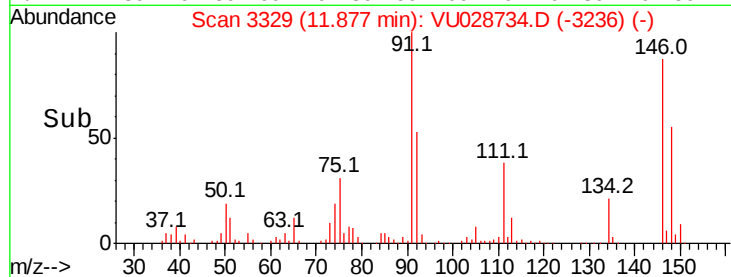
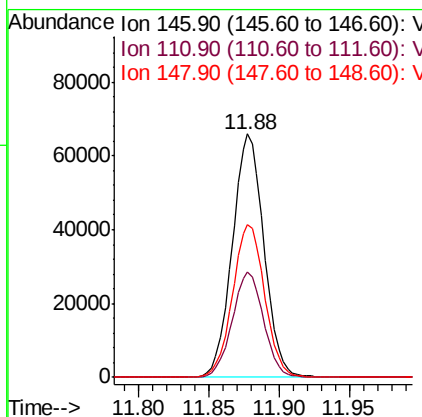
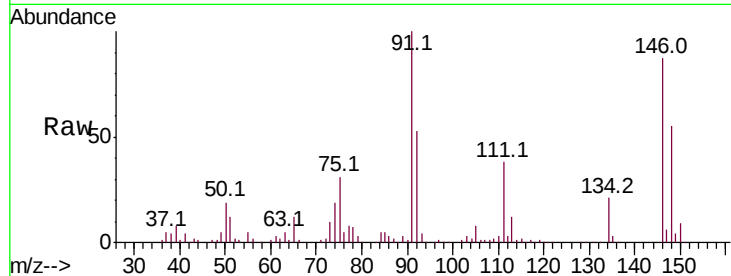




#91
 1,2-Dichlorobenzene
 Concen: 48.527 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

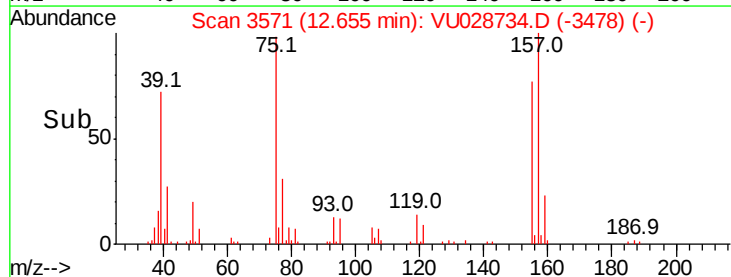
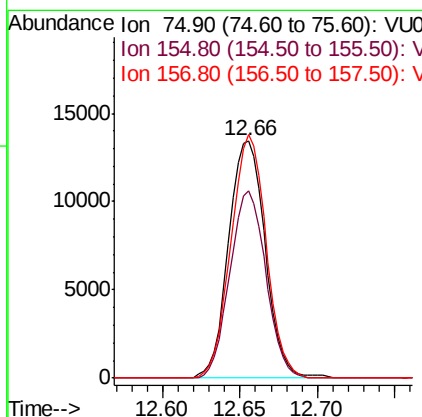
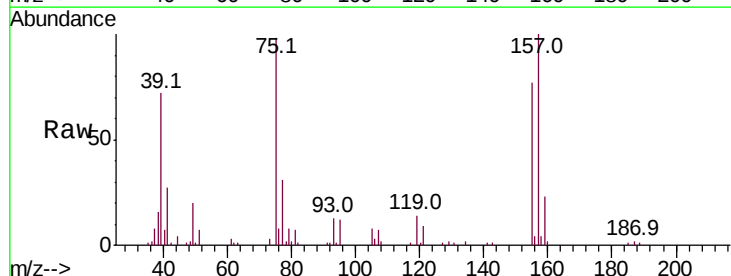
Instrument :
 MSVOA_U
 ClientSampleId :

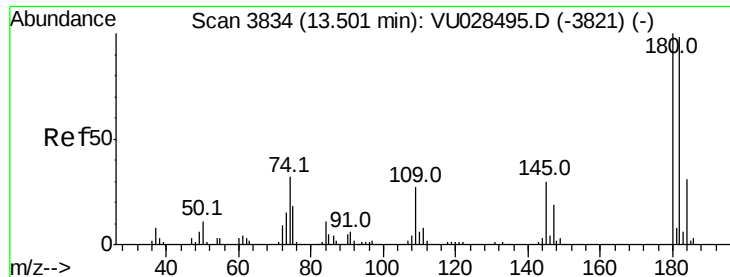
Tot Ion:	146	Resp:	103499
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	63.6	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.032 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:	75	Resp:	22098
Ion	Ratio	Lower	Upper
75	100		
155	77.3	38.1	114.5
157	98.6	48.7	146.1

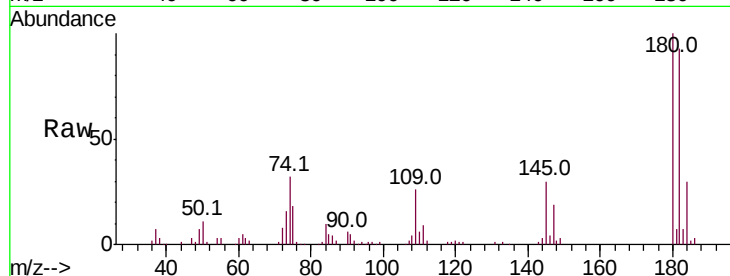




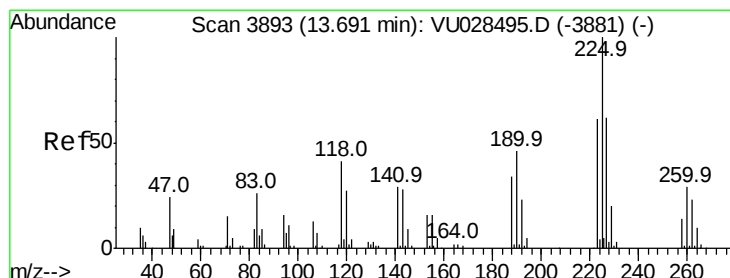
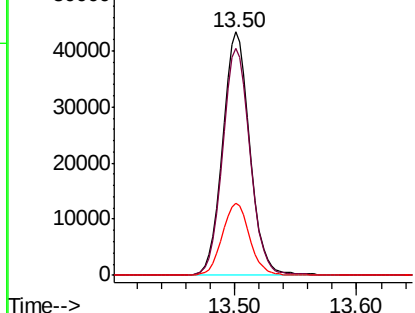
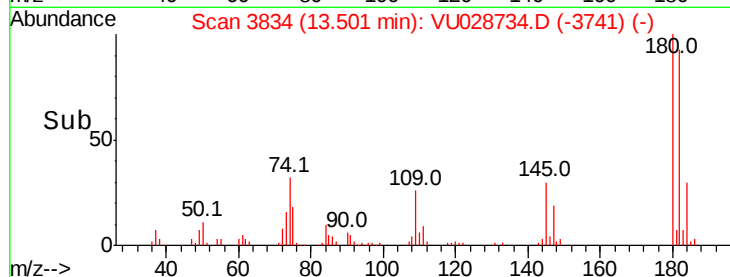
#93
 1,2,4-Trichlorobenzene
 Concen: 46.462 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 68006
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.8
 145 30.0 15.0 45.1

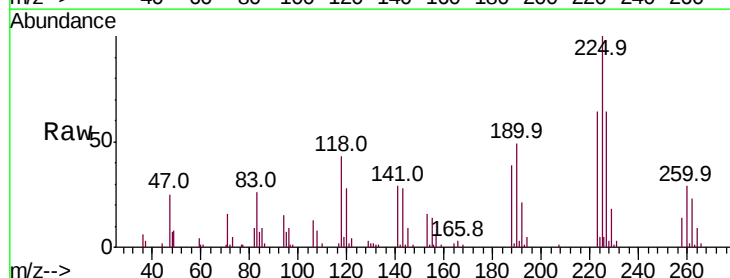


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

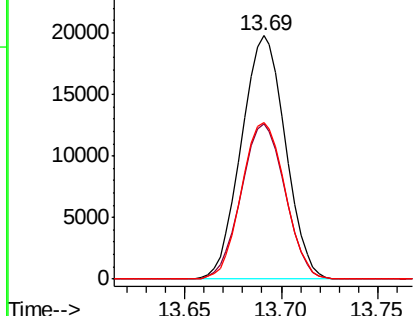
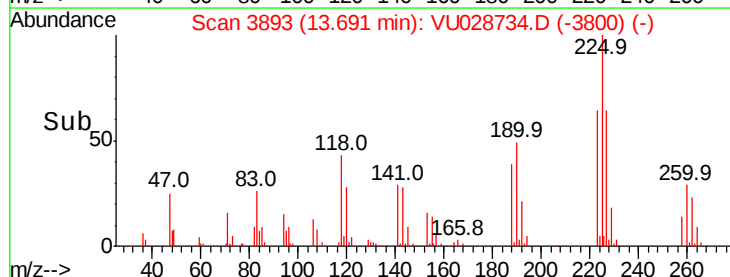


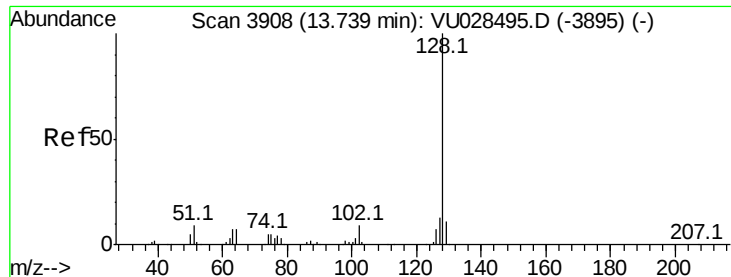
#94
 Hexachlorobutadiene
 Concen: 44.889 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028734.D
 Acq: 17 Dec 2018 20:44

Tgt Ion:225 Resp: 31361
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.4 91.2
 227 63.6 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

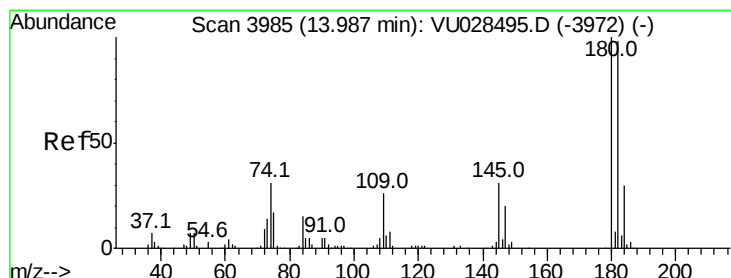
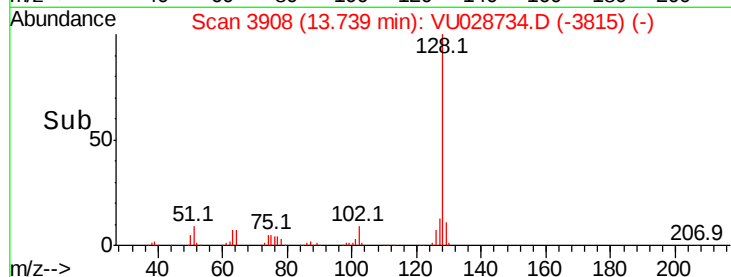
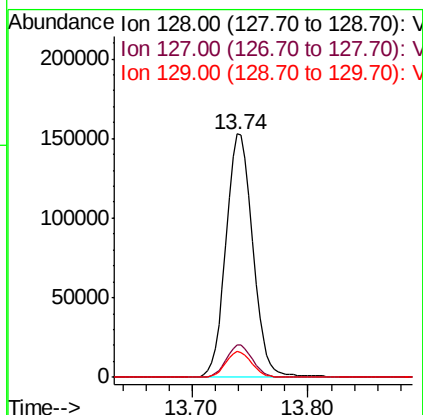
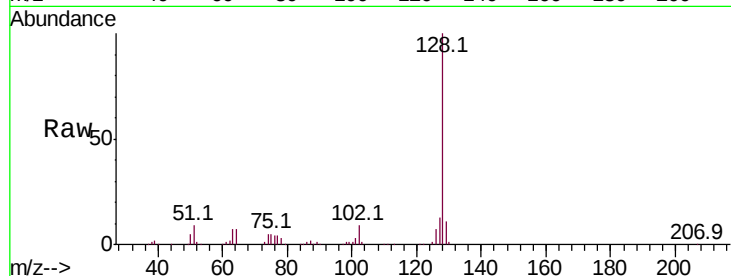




#95
Naphthalene
Concen: 47.698 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 244114
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.700 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028734.D
Acq: 17 Dec 2018 20:44

Tgt Ion:180 Resp: 69568
Ion Ratio Lower Upper
180 100
182 95.9 48.2 144.6
145 31.1 15.8 47.3

