

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028588.D
 Acq On : 11 Dec 2018 06:53
 Operator : MD/SY
 Sample : VU1211WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Quant Time: Dec 11 07:38:26 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	80391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	143084	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62327	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	70111	57.15	ug/l	0.00
Spiked Amount			Recovery	=	114.30%	
35) Dibromofluoromethane	4.88	113	49622	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
50) Toluene-d8	7.57	98	192898	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	10.30	95	69203	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	22750	21.113	ug/l	99
3) Chloromethane	1.33	50	41304	20.850	ug/l	100
4) Vinyl Chloride	1.41	62	29899	20.914	ug/l	99
5) Bromomethane	1.62	94	12823	22.267	ug/l	99
6) Chloroethane	1.69	64	16833	20.798	ug/l	98
7) Trichlorofluoromethane	1.88	101	31586	21.000	ug/l	100
8) Diethyl Ether	2.10	74	13898	19.749	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	18398	20.452	ug/l	96
10) Methyl Iodide	2.41	142	17151	24.298	ug/l	98
11) Tert butyl alcohol	2.83	59	31723	116.061	ug/l	99
12) 1,1-Dichloroethene	2.28	96	17991	20.100	ug/l	97
13) Acrolein	2.20	56	21666	99.433	ug/l	97
14) Allyl chloride	2.59	41	43595	20.589	ug/l	99
15) Acrylonitrile	2.94	53	86818	114.407	ug/l	99
16) Acetone	2.32	43	70749	88.375	ug/l	97
17) Carbon Disulfide	2.48	76	65008	20.161	ug/l	98
18) Methyl Acetate	2.62	43	49270	23.742	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	72043	21.232	ug/l	98
20) Methylene Chloride	2.70	84	23886	20.240	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	20578	20.420	ug/l	99
22) Diisopropyl ether	3.57	45	93354	22.672	ug/l	96
23) Vinyl Acetate	3.53	43	370763	109.163	ug/l	100
24) 1,1-Dichloroethane	3.45	63	45647	21.178	ug/l	99
25) 2-Butanone	4.26	43	118459	108.277	ug/l	98
26) 2,2-Dichloropropane	4.23	77	26904	15.753	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	24014	21.053	ug/l	97
28) Bromochloromethane	4.55	49	23417	23.898	ug/l	97
29) Tetrahydrofuran	4.64	42	84065	119.643	ug/l	97
30) Chloroform	4.67	83	41403	22.039	ug/l	97
31) Cyclohexane	4.99	56	46266	21.309	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	33167	21.258	ug/l	98
36) 1,1-Dichloropropene	5.14	75	30774	19.655	ug/l	99
37) Ethyl Acetate	4.38	43	46531	22.989	ug/l	97
38) Carbon Tetrachloride	5.14	117	25822	20.461	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	35596	18.635	ug/l	93
40) Benzene	5.39	78	97224	21.083	ug/l	97
41) Methacrylonitrile	4.54	41	25078	22.624	ug/l	98
42) 1,2-Dichloroethane	5.40	62	35022	21.696	ug/l	96
43) Isopropyl Acetate	5.55	43	69729	21.781	ug/l	99
44) Trichloroethene	6.19	130	20574	20.065	ug/l	99
45) 1,2-Dichloropropane	6.43	63	28005	21.596	ug/l	97
46) Dibromomethane	6.56	93	16054	20.865	ug/l	98
47) Bromodichloromethane	6.76	83	31203	20.840	ug/l	97
48) Methyl methacrylate	6.62	41	35168	22.089	ug/l	99
49) 1,4-Dioxane	6.61	88	12033	478.668	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	228957	113.391	ug/l	97
52) Toluene	7.64	92	56026	20.644	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	34456	19.323	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	38277	19.785	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	22543	21.013	ug/l	95
56) Ethyl methacrylate	8.02	69	38067	20.721	ug/l	96
57) 1,3-Dichloropropane	8.24	76	41855	21.017	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	86834	92.280	ug/l	100
59) 2-Hexanone	8.36	43	173651	108.504	ug/l	99
60) Dibromochloromethane	8.48	129	21235	20.217	ug/l	100
61) 1,2-Dibromoethane	8.58	107	23599	20.977	ug/l	98
64) Tetrachloroethene	8.22	164	18539	20.937	ug/l	96
65) Chlorobenzene	9.12	112	57258	20.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	19236	21.295	ug/l	99
67) Ethyl Benzene	9.25	91	102866	19.781	ug/l	98
68) m/p-Xylenes	9.37	106	77074	40.733	ug/l	99
69) o-Xylene	9.78	106	37617	20.457	ug/l	100
70) Styrene	9.79	104	61609	20.245	ug/l	100
71) Bromoform	9.96	173	16122	20.980	ug/l #	98
73) Isopropylbenzene	10.16	105	97895	20.469	ug/l	100
74) N-amyl acetate	10.01	43	59148	21.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	41381	22.524	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	47451	29.815	ug/l	84
77) Bromobenzene	10.45	156	23378	20.901	ug/l	99
78) n-propylbenzene	10.58	91	120013	20.195	ug/l	100
79) 2-Chlorotoluene	10.66	91	71243	20.812	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	83103	20.992	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	47451	73.060	ug/l #	100
82) 4-Chlorotoluene	10.77	91	80353	19.808	ug/l	99
83) tert-Butylbenzene	11.10	119	77967	20.433	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	84187	20.634	ug/l	99
85) sec-Butylbenzene	11.32	105	98201	20.033	ug/l	99
86) p-Isopropyltoluene	11.48	119	81315	19.527	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	41124	19.471	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	42154	19.291	ug/l	100
89) n-Butylbenzene	11.89	91	76324	18.111	ug/l	99
90) Hexachloroethane	12.14	117	12417	19.728	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	41922	19.843	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8928	22.446	ug/l	92

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

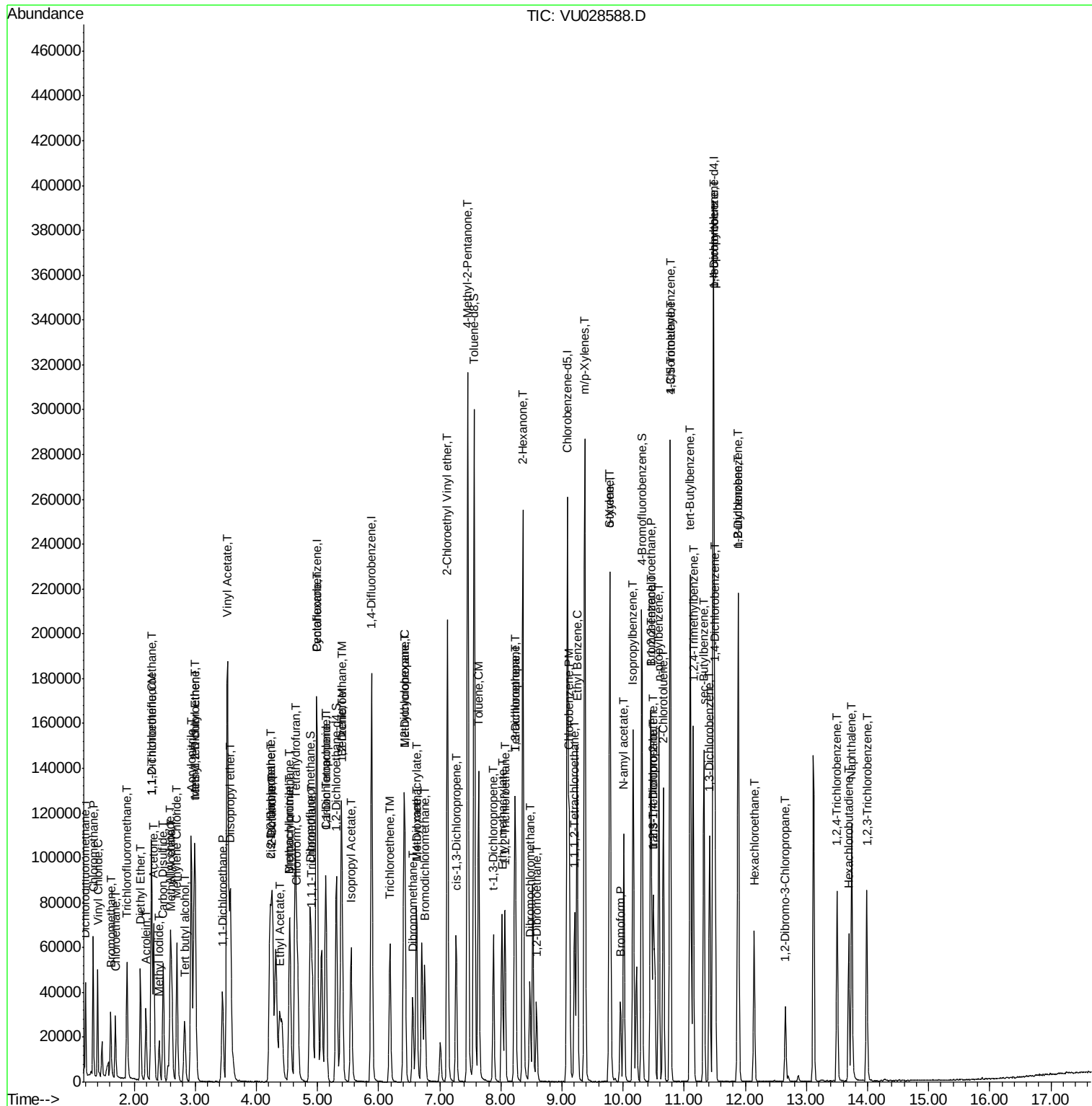
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	24829	17.658	ug/l	100
94) Hexachlorobutadiene	13.69	225	12439	17.975	ug/l	99
95) Naphthalene	13.74	128	90316	17.815	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	26797	18.639	ug/l	97

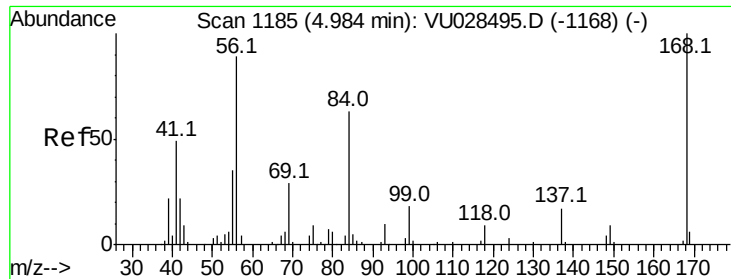
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU028588.D
Acq On : 11 Dec 2018 06:53
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Quant Time: Dec 11 07:38:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

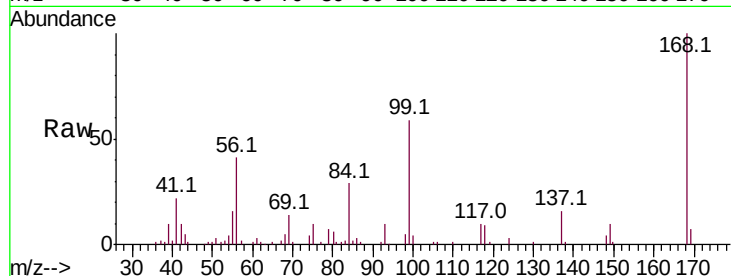
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion:168 Resp: 80391

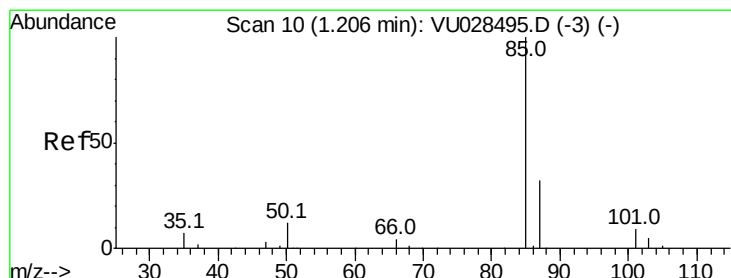
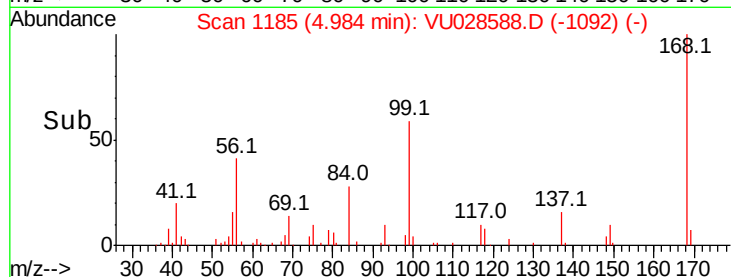
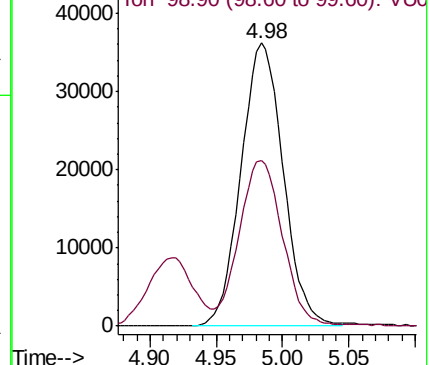
Ion Ratio Lower Upper

168 100

99 58.2 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 21.113 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028588.D

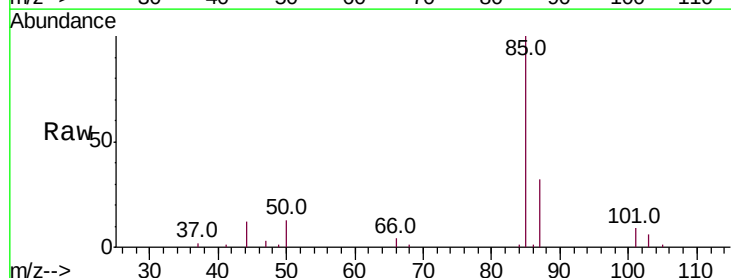
Acq: 11 Dec 2018 06:53

Tgt Ion: 85 Resp: 22750

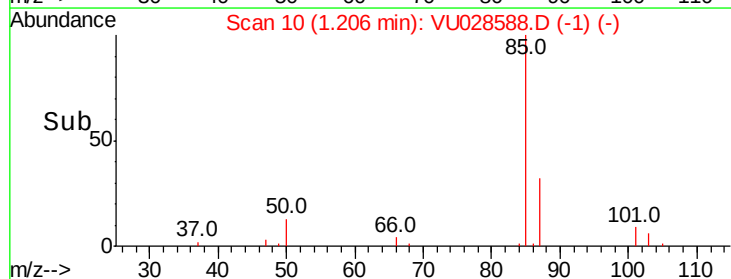
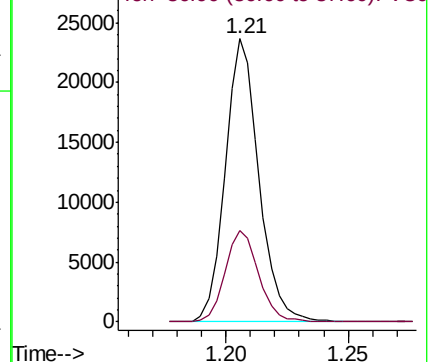
Ion Ratio Lower Upper

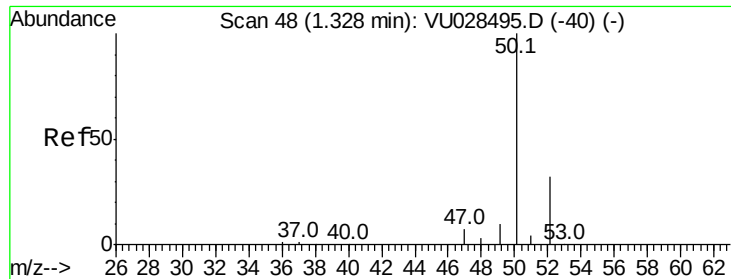
85 100

87 32.5 15.9 47.6



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





#3

Chloromethane

Concen: 20.850 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

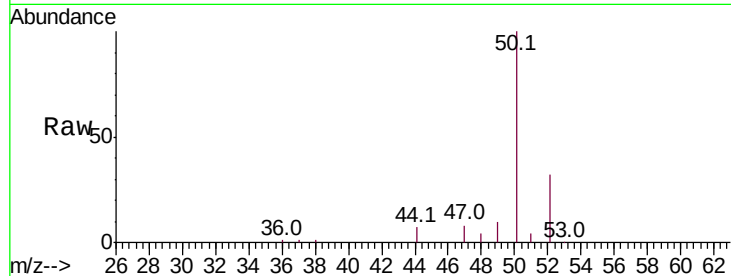
VU1211WBSD02

Tot Ion: 50 Resp: 41304

Ion Ratio Lower Upper

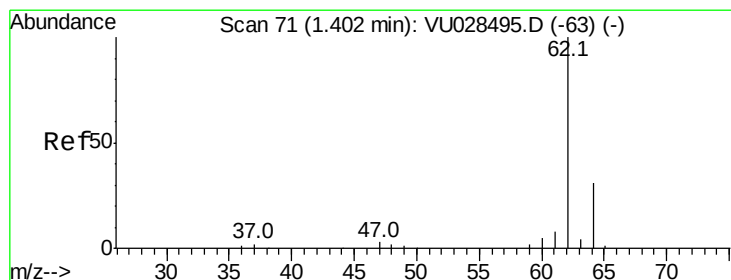
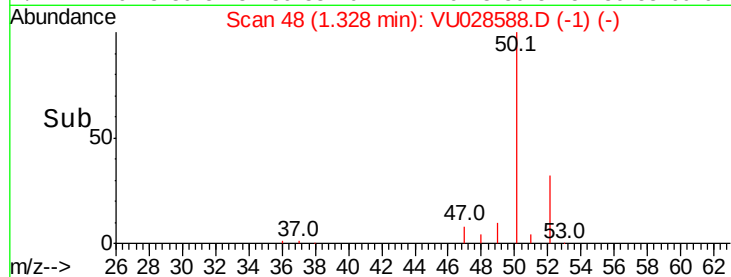
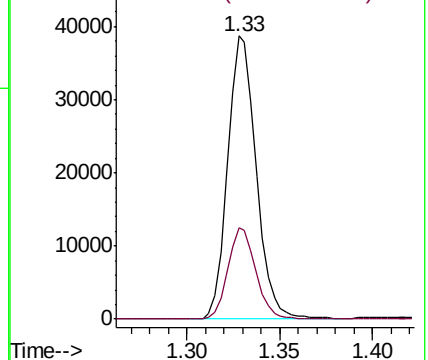
50 100

52 32.1 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: 20.914 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028588.D

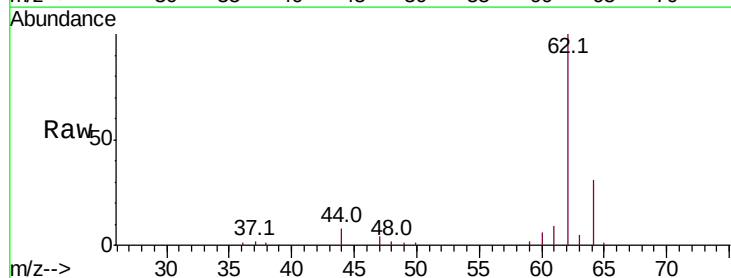
Acq: 11 Dec 2018 06:53

Tgt Ion: 62 Resp: 29899

Ion Ratio Lower Upper

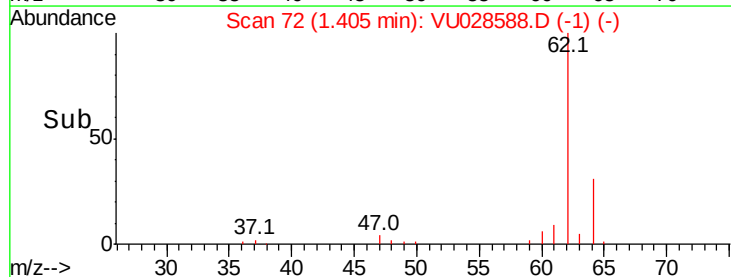
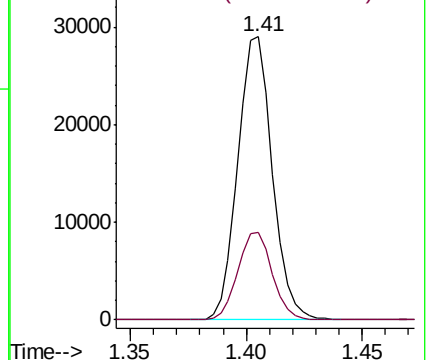
62 100

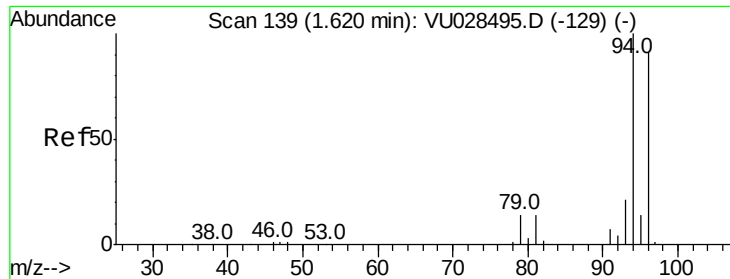
64 31.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.267 ug/l

RT: 1.62 min Scan# 138

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

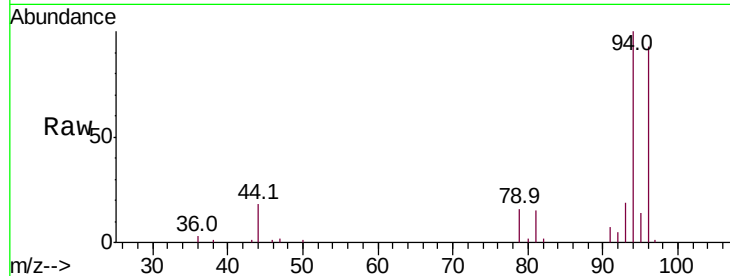
VU1211WBSD02

Tot Ion: 94 Resp: 12823

Ion Ratio Lower Upper

94 100

96 92.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

12000

10000

8000

6000

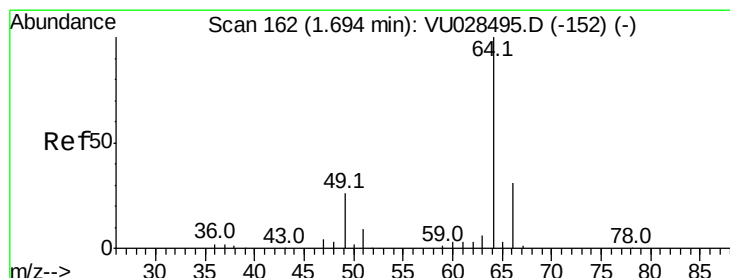
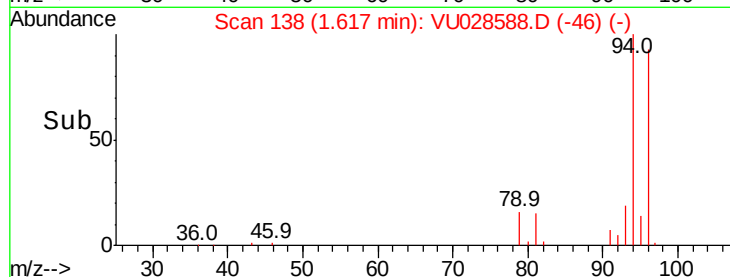
4000

2000

0

1.62

Time-->



#6

Chloroethane

Concen: 20.798 ug/l

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU028588.D

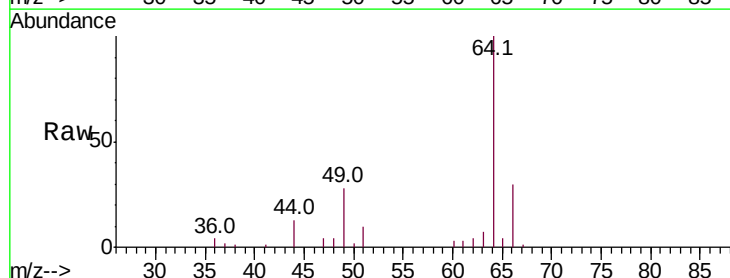
Acq: 11 Dec 2018 06:53

Tgt Ion: 64 Resp: 16833

Ion Ratio Lower Upper

64 100

66 30.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

15000

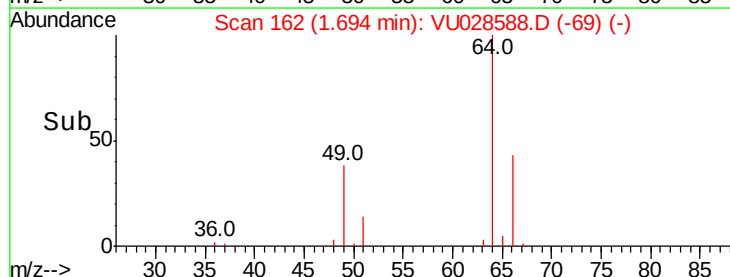
10000

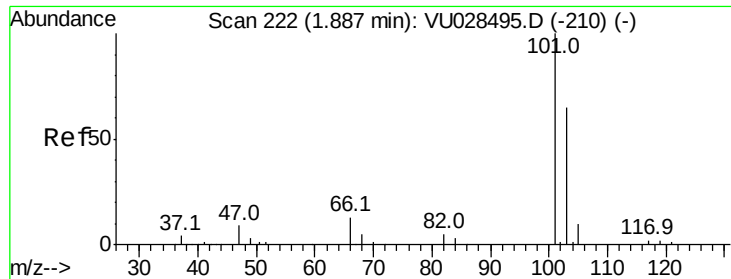
5000

0

1.69

Time-->



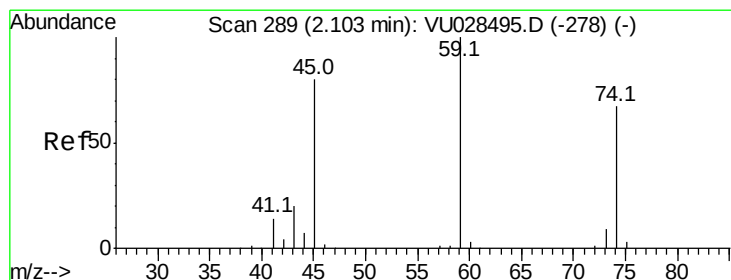
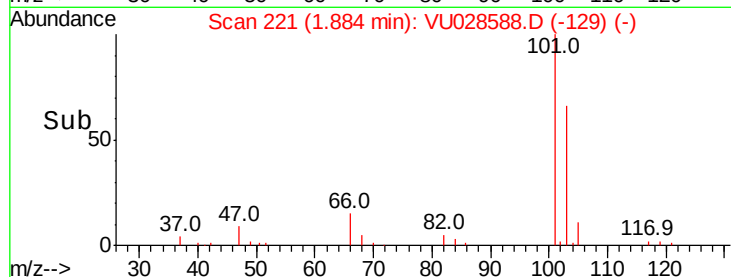
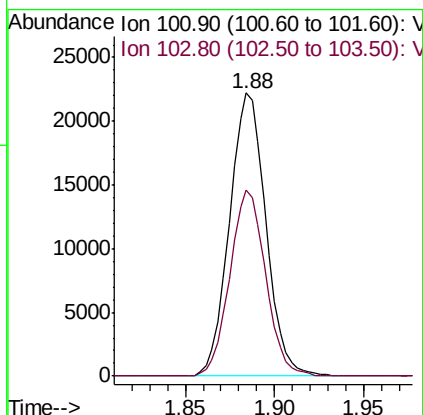
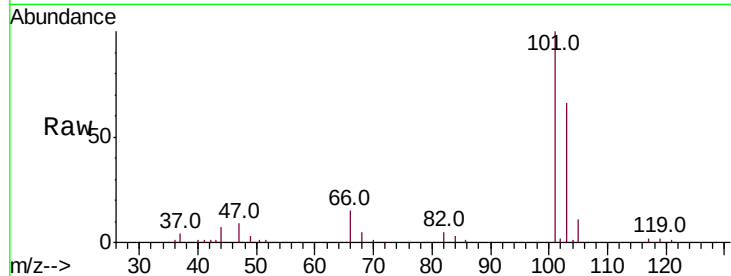


#7

Trichlorofluoromethane
Concen: 21.000 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

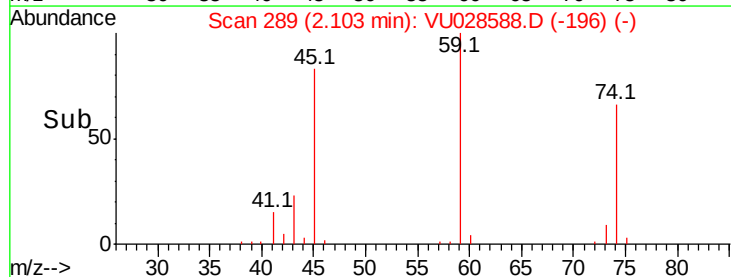
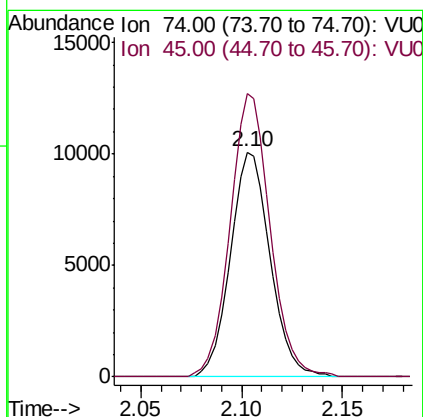
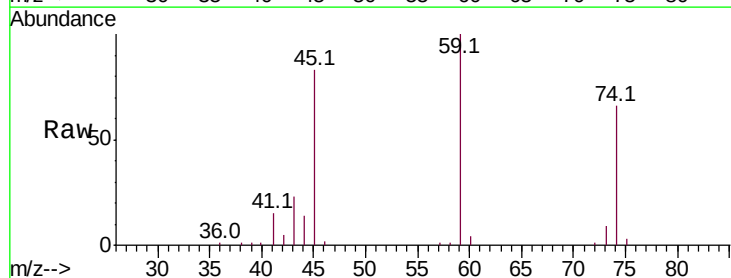
Tot Ion:101 Resp: 31586
Ion Ratio Lower Upper
101 100
103 65.8 52.3 78.5

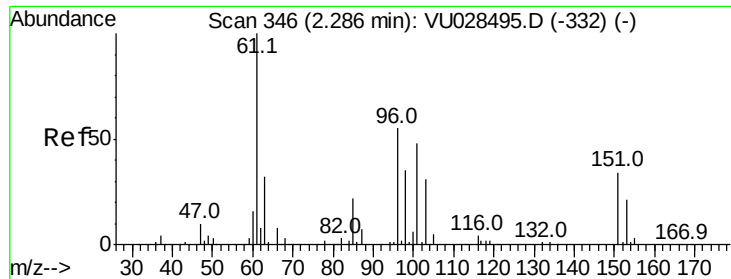


#8

Diethyl Ether
Concen: 19.749 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 74 Resp: 13898
Ion Ratio Lower Upper
74 100
45 126.9 59.7 179.0

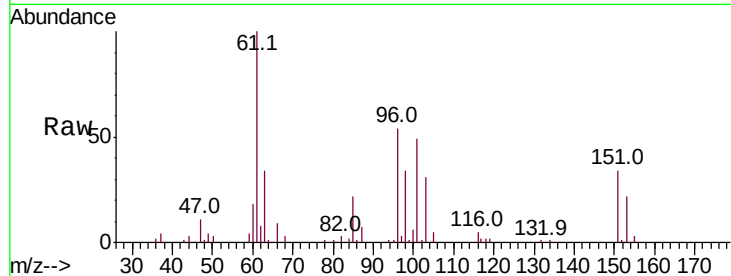




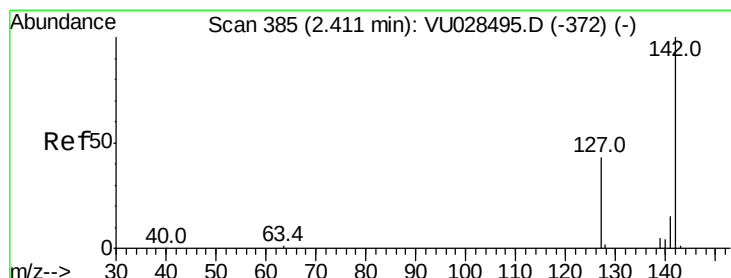
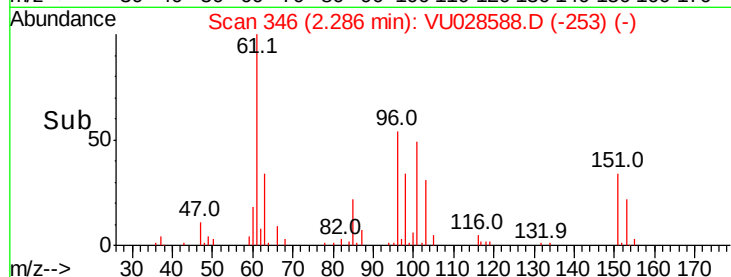
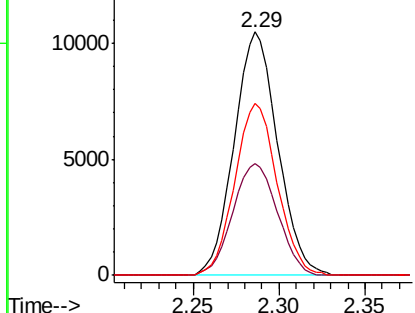
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.452 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.3	36.4	54.6
151	68.9	58.2	87.2

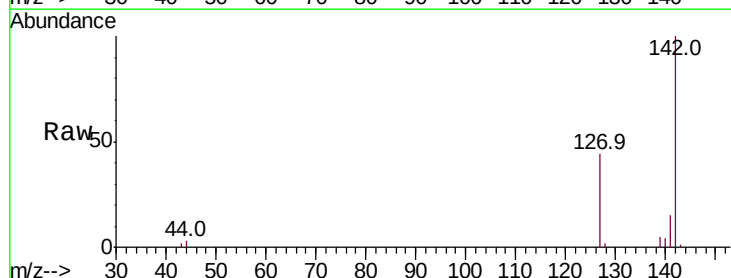


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

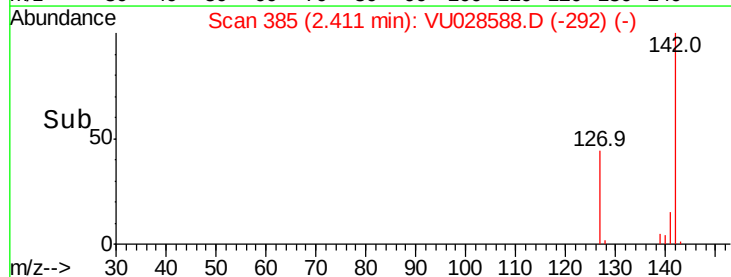
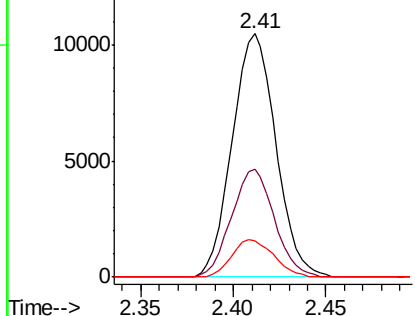


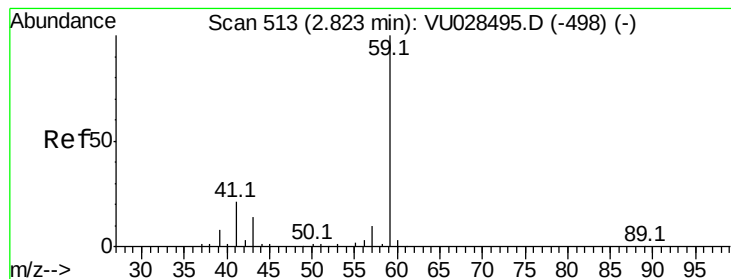
#10
 Methyl Iodide
 Concen: 24.298 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.3	33.5	50.3
141	14.8	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



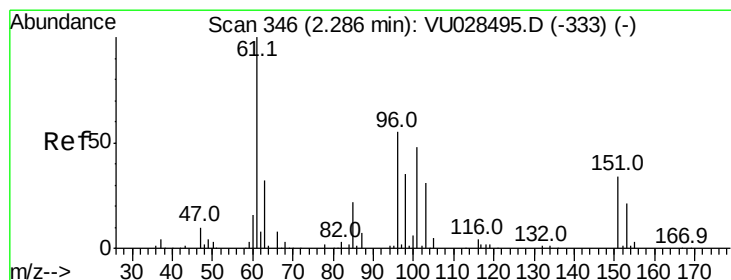
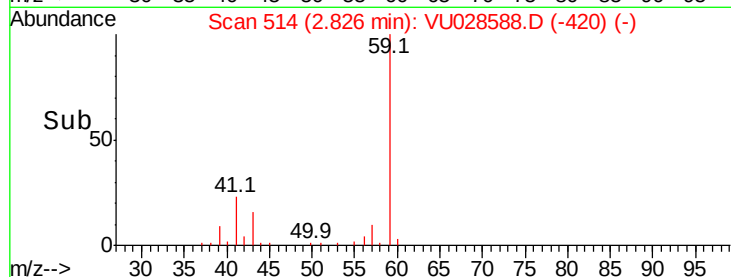
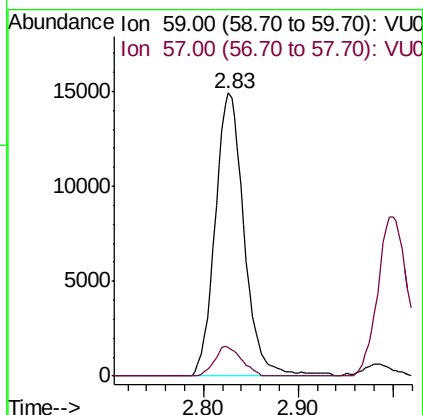
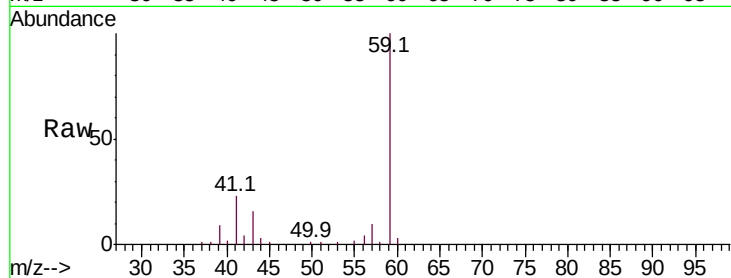


#11

Tert butyl alcohol
 Concen: 116.061 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

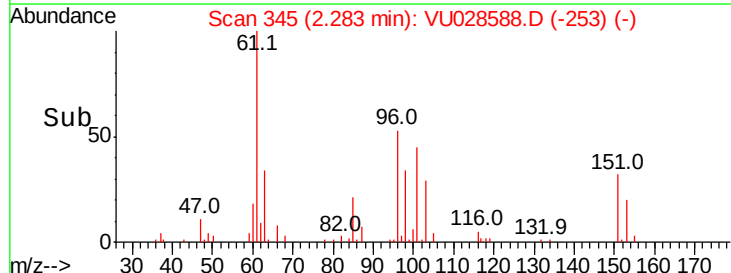
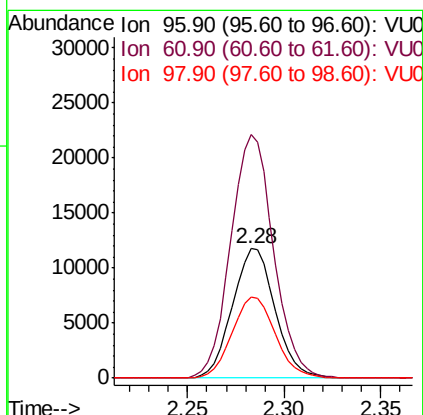
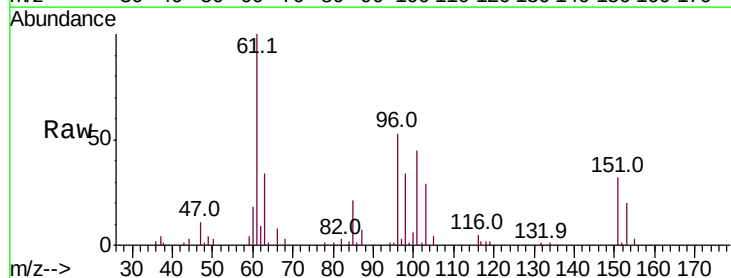
Tot Ion: 59 Resp: 31723
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

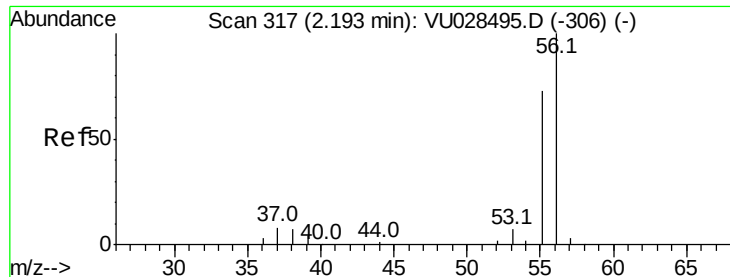


#12

1,1-Dichloroethene
 Concen: 20.100 ug/l
 RT: 2.28 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion: 96 Resp: 17991
 Ion Ratio Lower Upper
 96 100
 61 188.4 146.4 219.6
 98 63.2 51.8 77.8





#13

Acrolein

Concen: 99.433 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

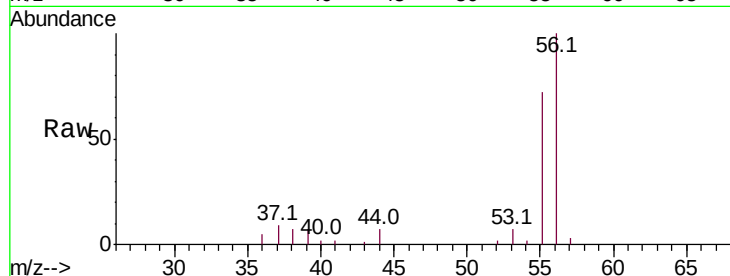
VU1211WBSD02

Tot Ion: 56 Resp: 21666

Ion Ratio Lower Upper

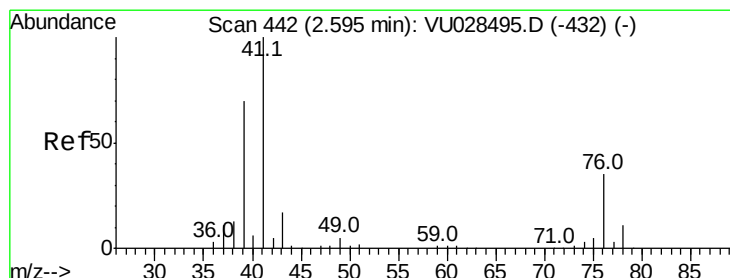
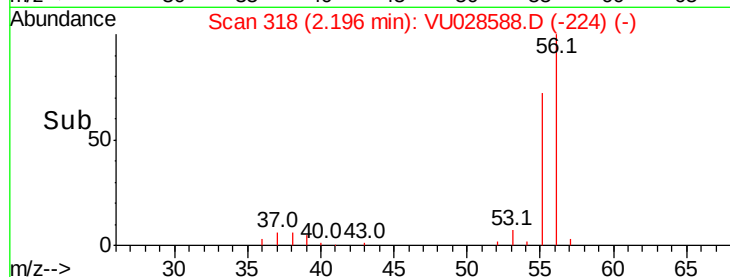
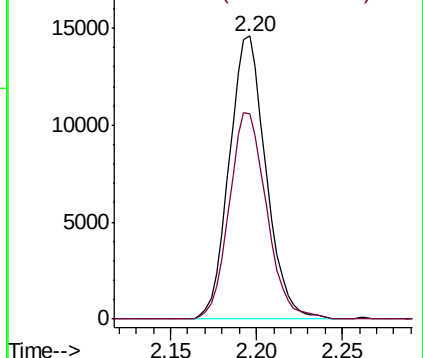
56 100

55 74.4 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: 20.589 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

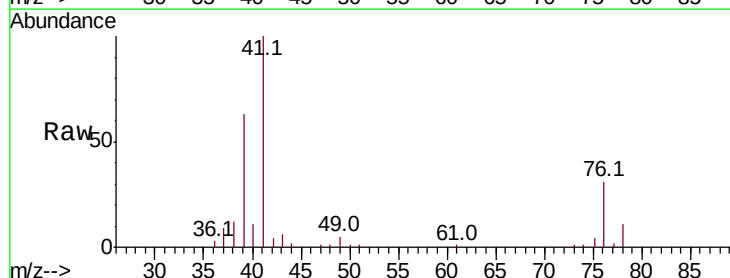
Tgt Ion: 41 Resp: 43595

Ion Ratio Lower Upper

41 100

39 63.7 50.8 76.2

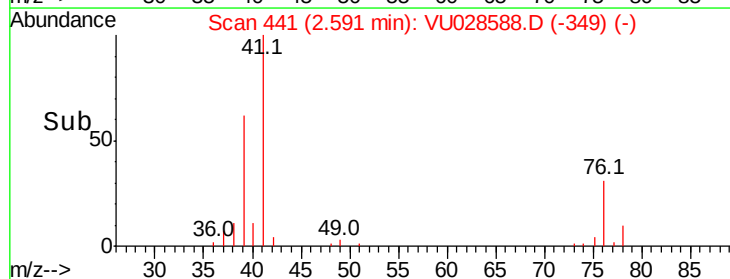
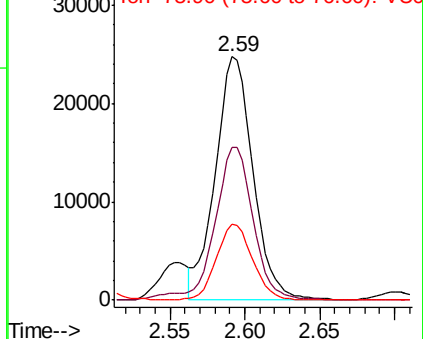
76 29.7 24.8 37.2

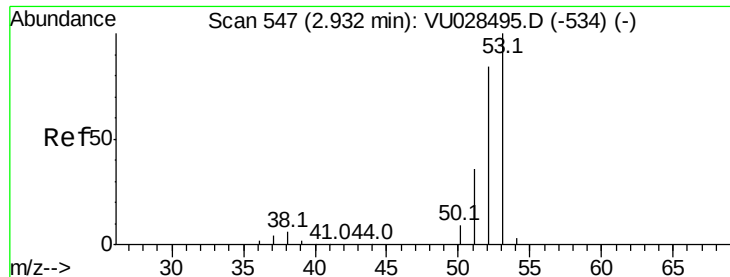


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 114.407 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

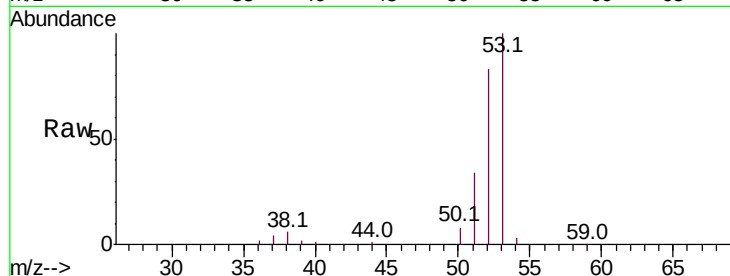
Tot Ion: 53 Resp: 86818

Ion Ratio Lower Upper

53 100

52 82.9 66.1 99.1

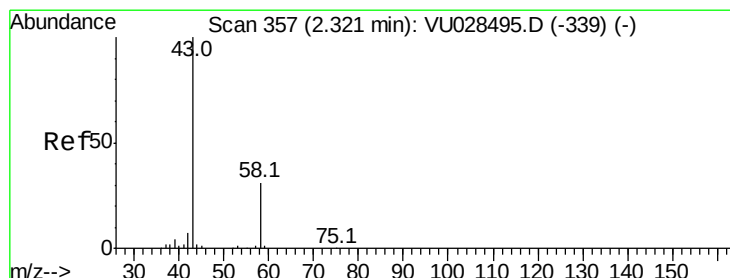
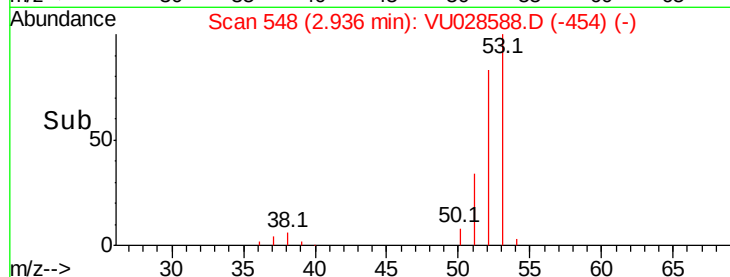
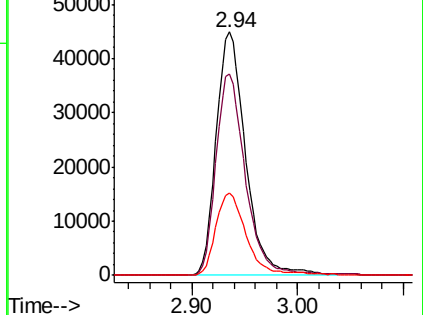
51 34.4 28.1 42.1



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: 88.375 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028588.D

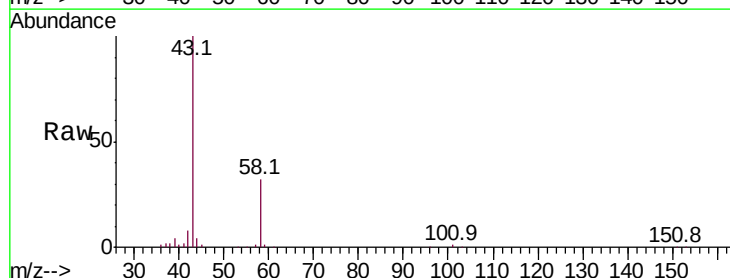
Acq: 11 Dec 2018 06:53

Tgt Ion: 43 Resp: 70749

Ion Ratio Lower Upper

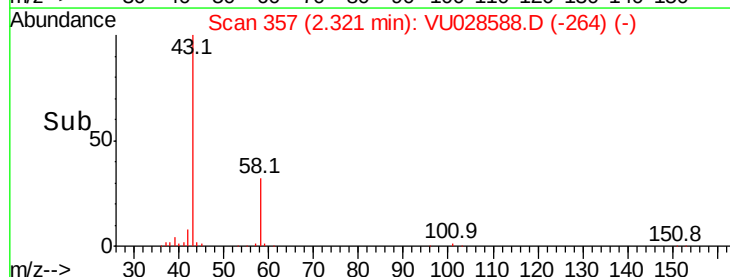
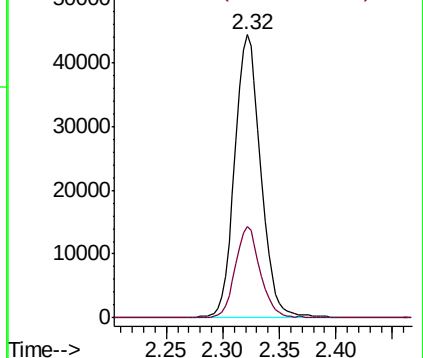
43 100

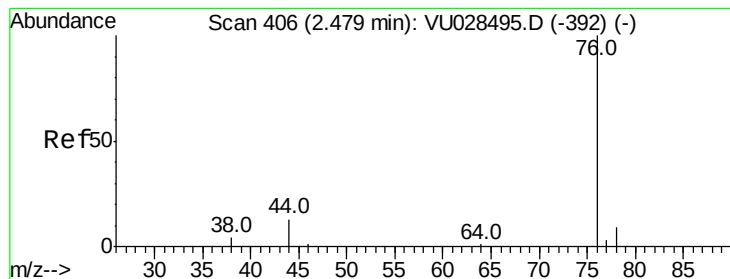
58 32.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 20.161 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

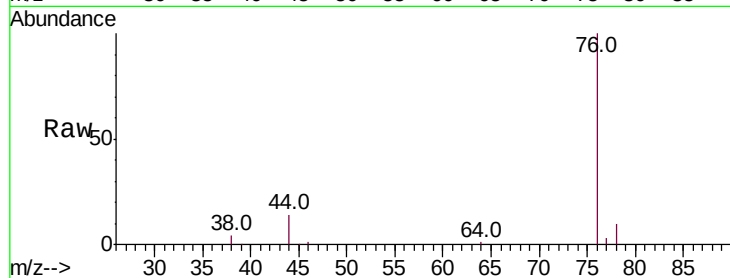
VU1211WBSD02

Tot Ion: 76 Resp: 65008

Ion Ratio Lower Upper

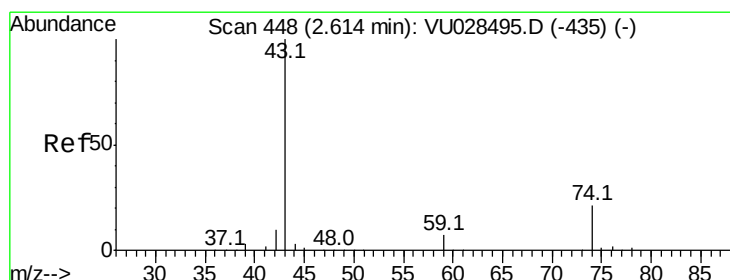
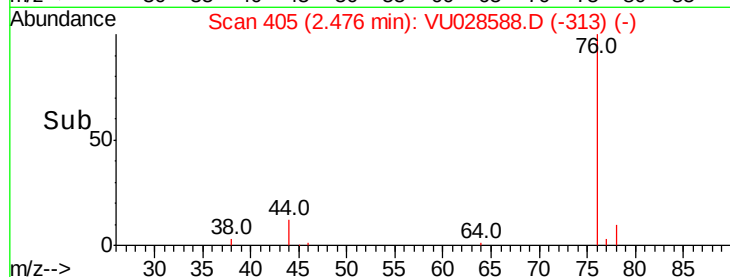
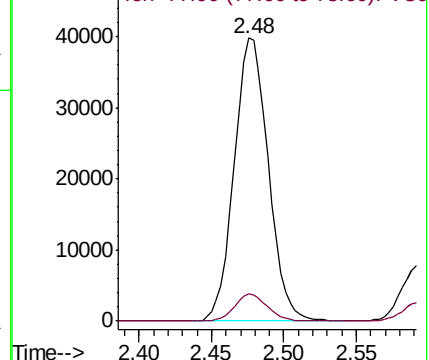
76 100

78 9.7 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: 23.742 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028588.D

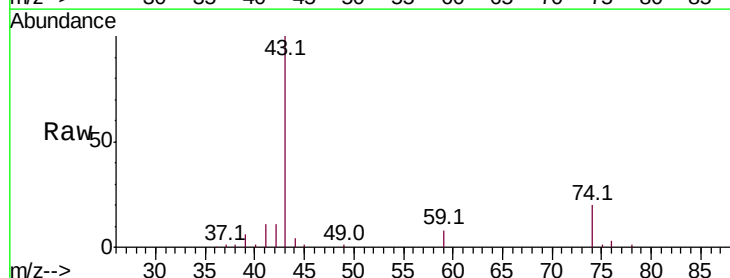
Acq: 11 Dec 2018 06:53

Tgt Ion: 43 Resp: 49270

Ion Ratio Lower Upper

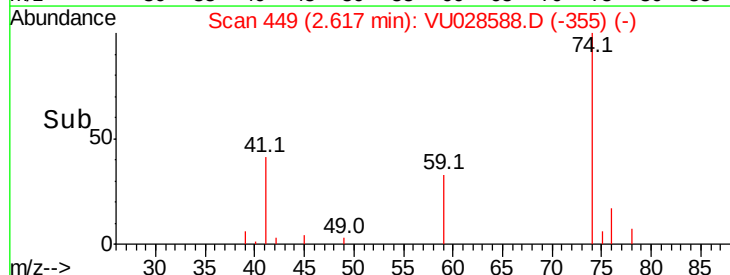
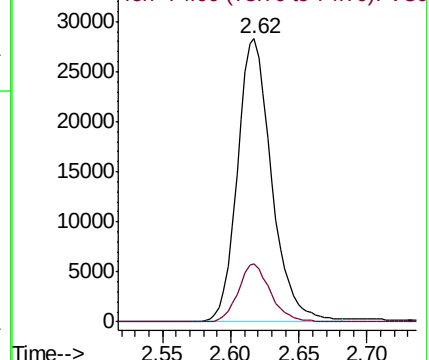
43 100

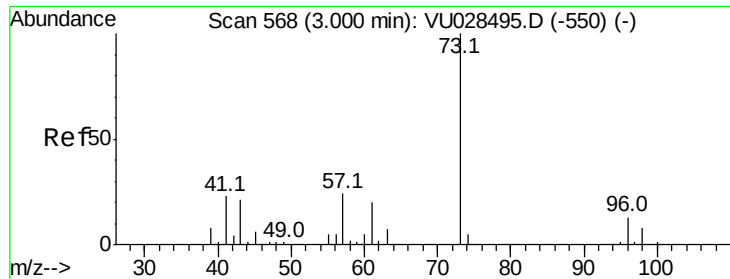
74 19.2 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

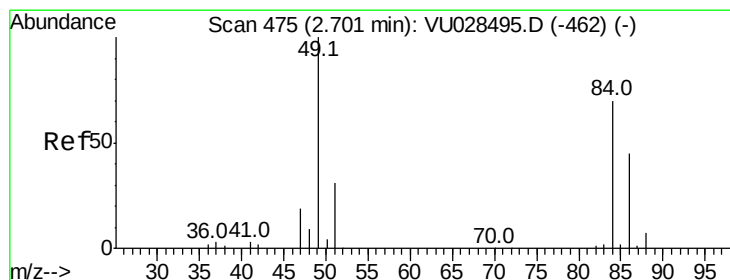
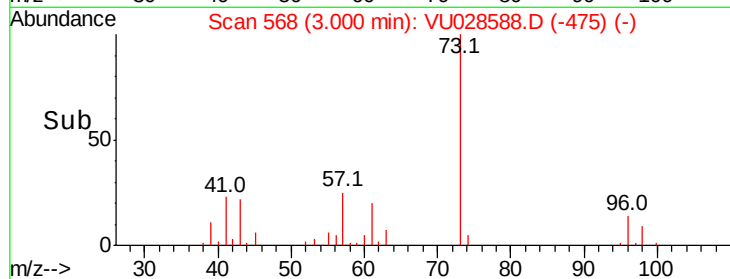
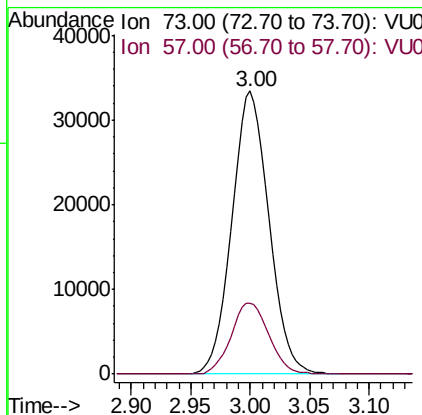
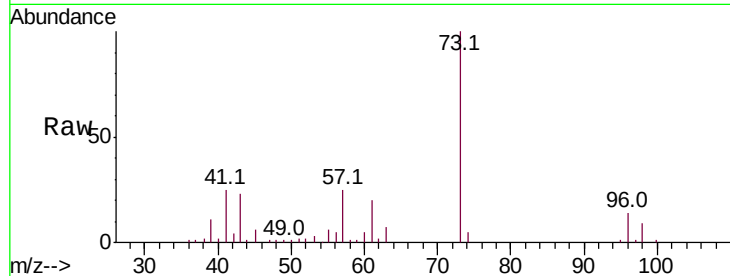




#19
Methyl tert-butyl Ether
Concen: 21.232 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

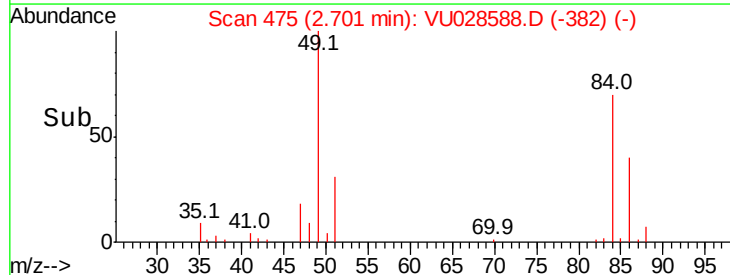
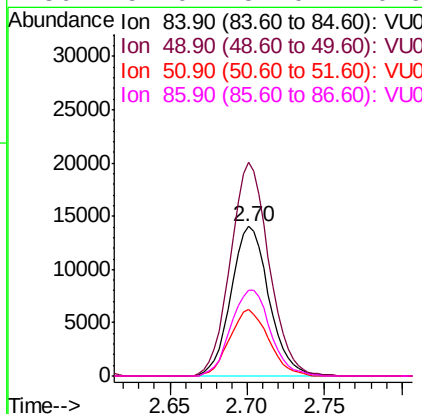
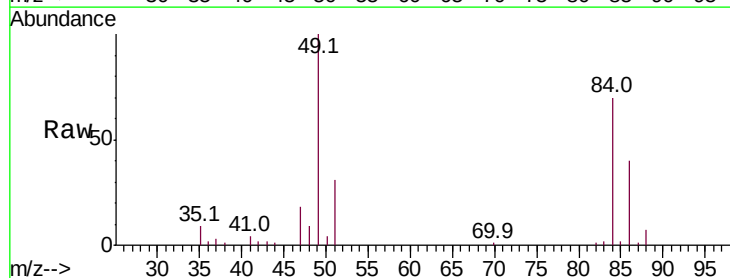
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

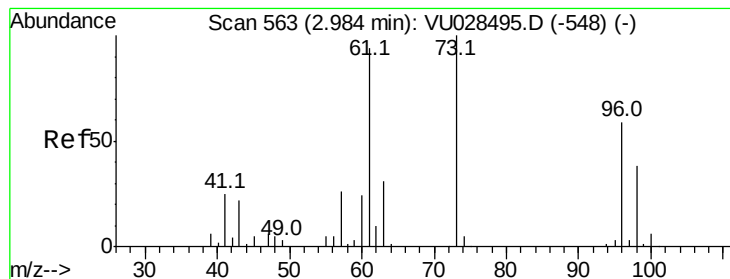
Tot Ion: 73 Resp: 72043
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.2



#20
Methylene Chloride
Concen: 20.240 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 84 Resp: 23886
Ion Ratio Lower Upper
84 100
49 142.7 114.0 171.0
51 44.2 35.1 52.7
86 57.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.420 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

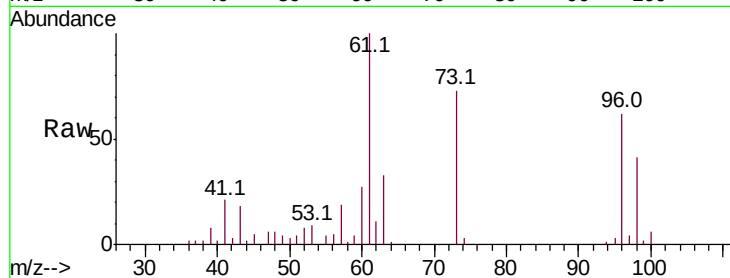
Tot Ion: 96 Resp: 20578

Ion Ratio Lower Upper

96 100

61 160.1 127.0 190.4

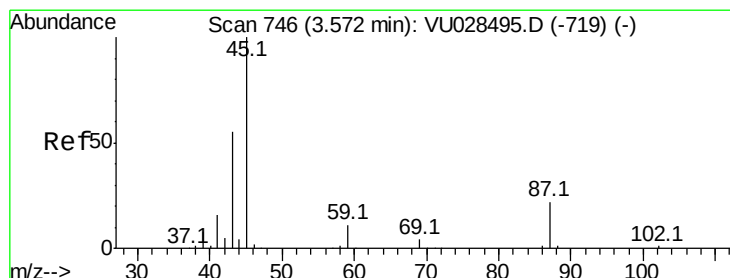
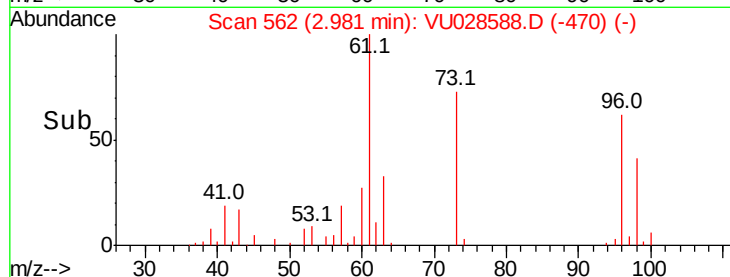
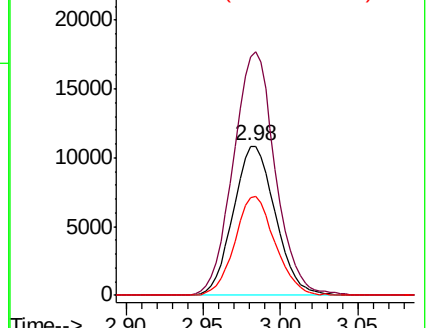
98 65.2 51.9 77.9



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: 22.672 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Tgt Ion: 45 Resp: 93354

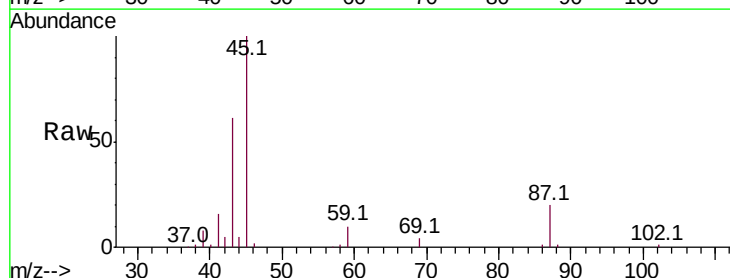
Ion Ratio Lower Upper

45 100

43 59.7 45.3 67.9

87 19.8 17.6 26.4

59 10.3 8.8 13.2

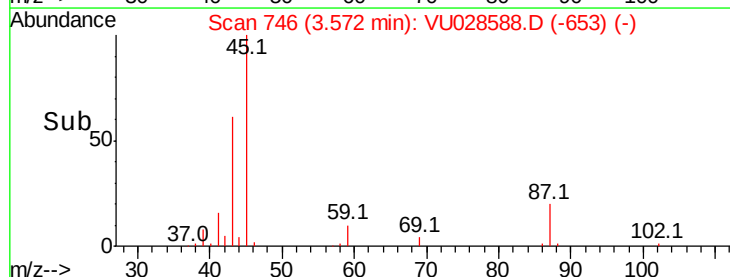
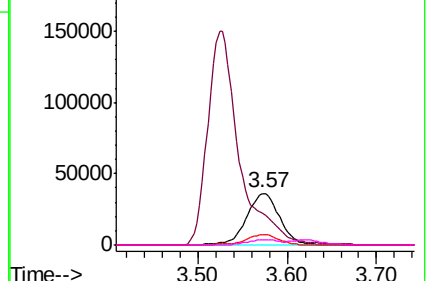


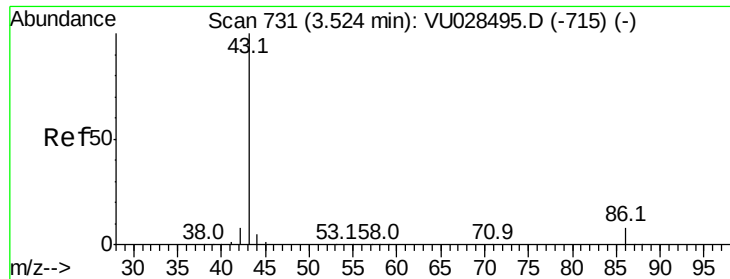
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 109.163 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleID :

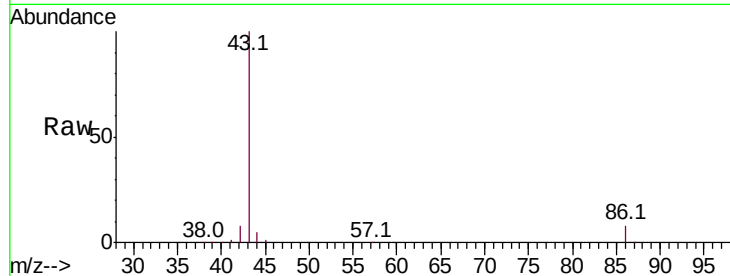
VU1211WBSD02

Tot Ion: 43 Resp: 370763

Ion Ratio Lower Upper

43 100

86 8.5 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

150000

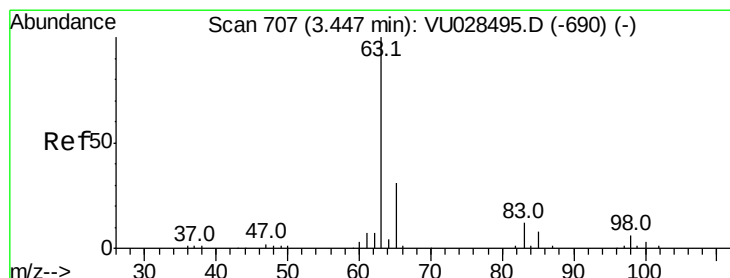
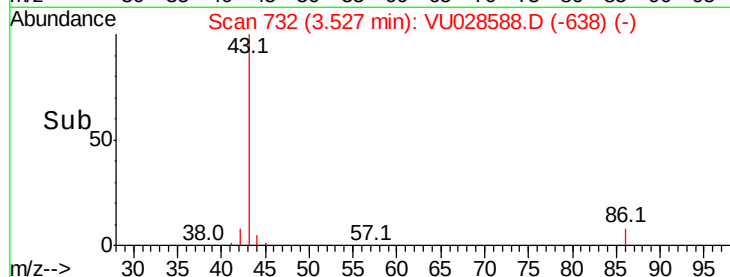
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 21.178 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

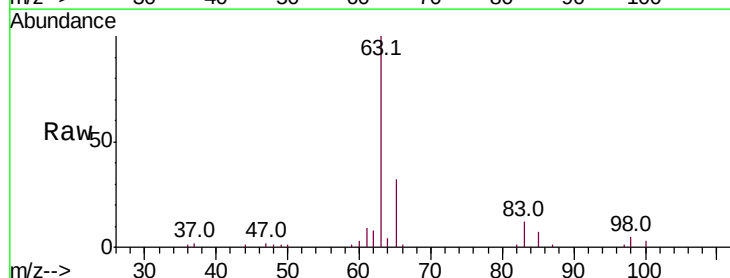
Tgt Ion: 63 Resp: 45647

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.2 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

25000

20000

15000

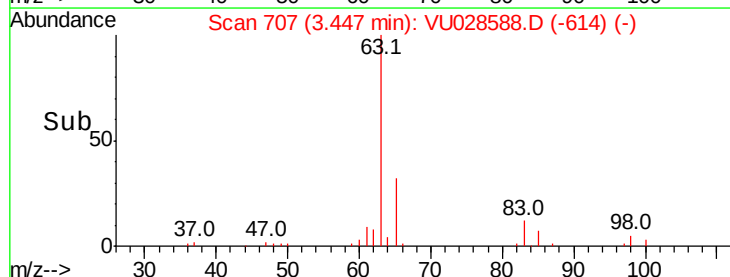
10000

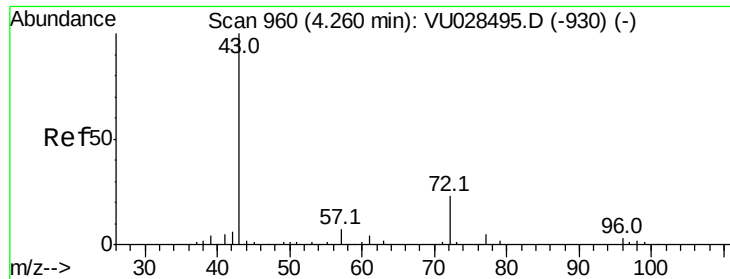
5000

0

3.35 3.40 3.45 3.50

Time-->





#25

2-Butanone

Concen: 108.277 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

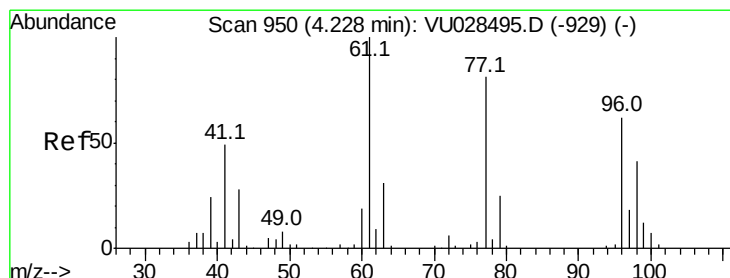
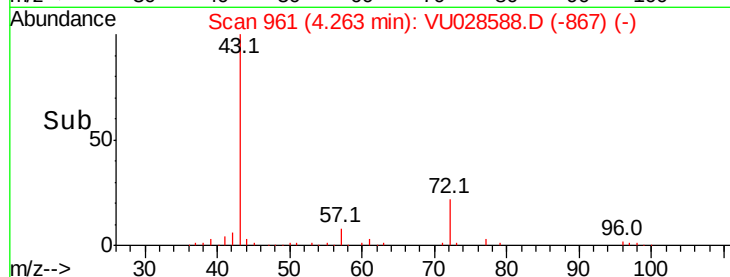
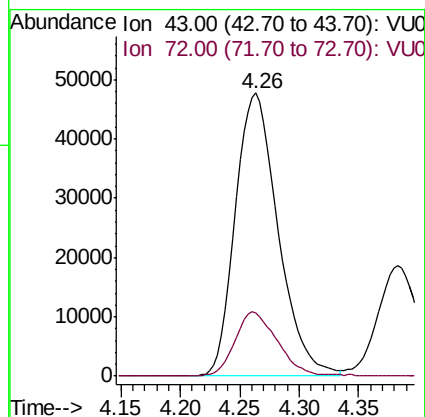
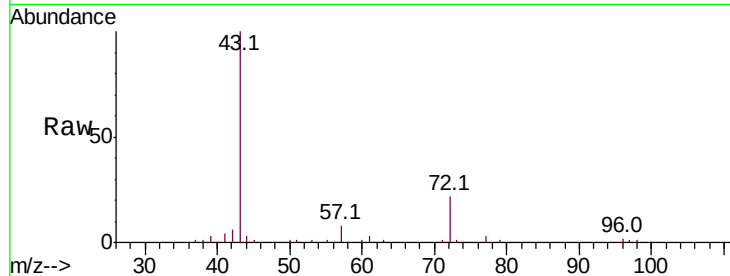
VU1211WBSD02

Tot Ion: 43 Resp: 118459

Ion Ratio Lower Upper

43 100

72 22.4 18.6 28.0



#26

2,2-Dichloropropane

Concen: 15.753 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028588.D

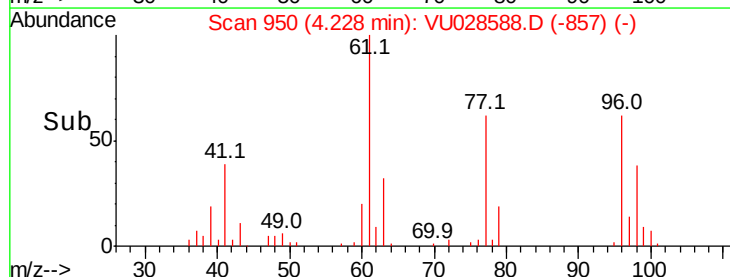
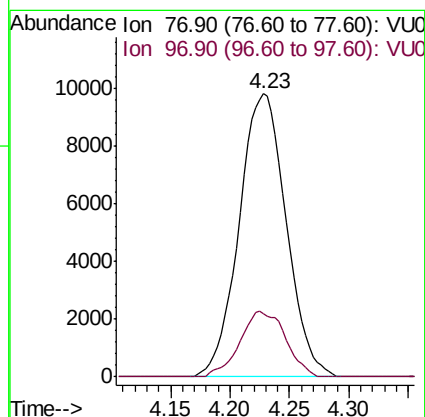
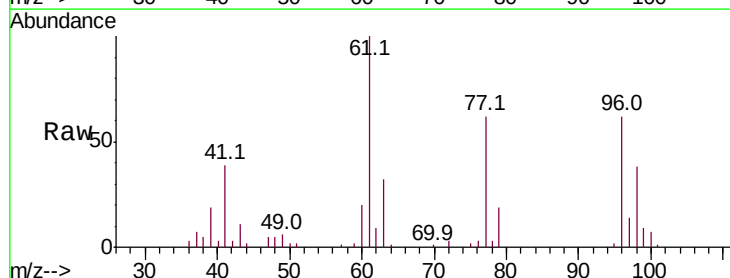
Acq: 11 Dec 2018 06:53

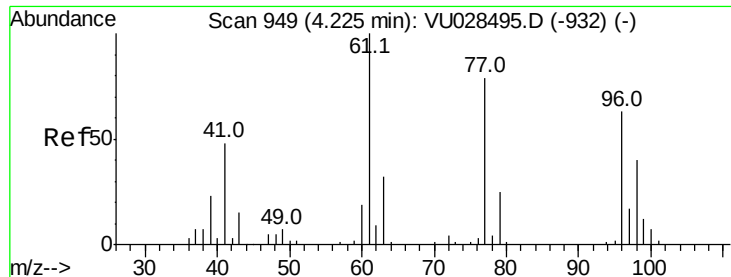
Tgt Ion: 77 Resp: 26904

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0



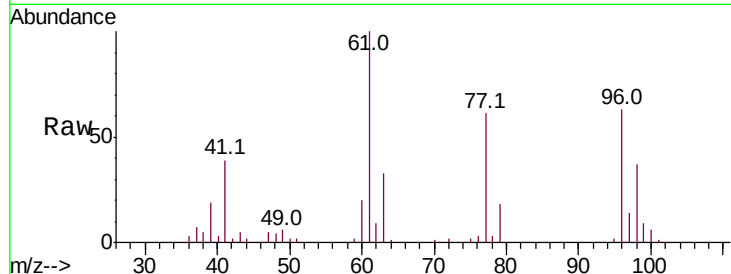


#27

cis-1,2-Dichloroethene
 Concen: 21.053 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion	96	Resp	24014
Ion Ratio	Lower	Upper	
96	100		
61	161.3	0.0	332.4
98	62.2	0.0	129.0

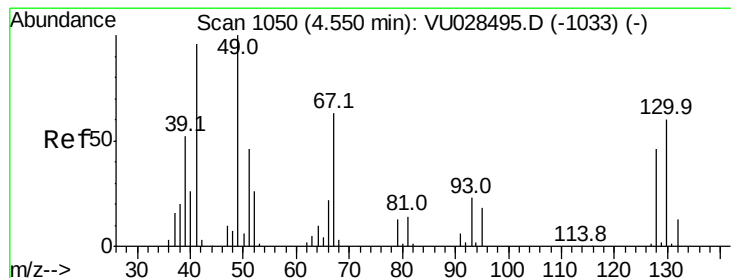
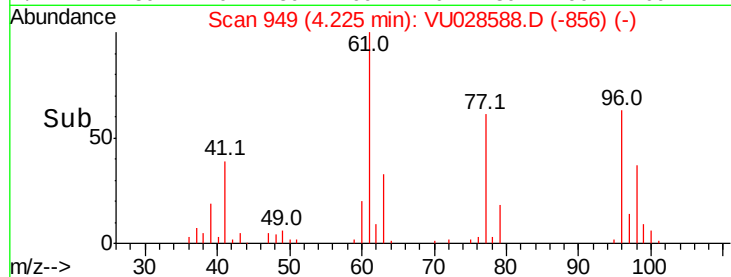
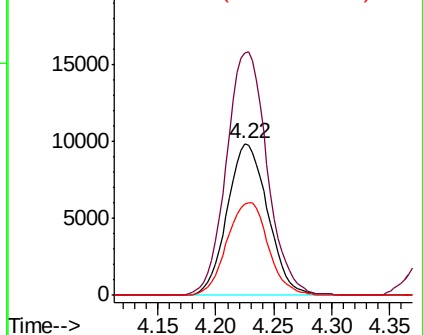


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

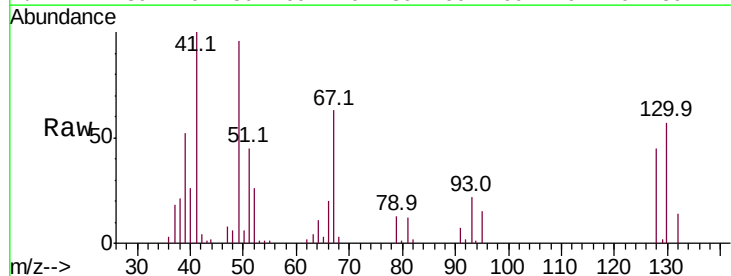
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 23.898 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion	49	Resp	23417
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	3.0
130	57.9	47.8	71.8

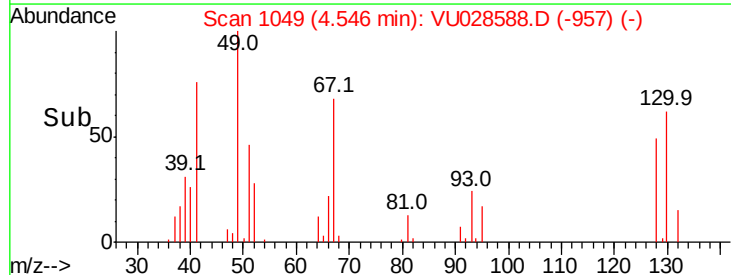
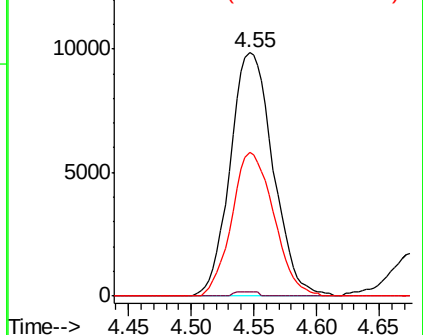


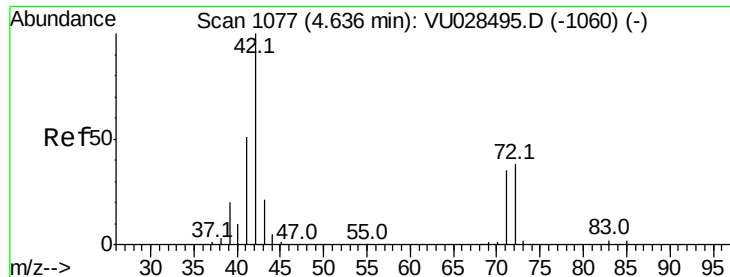
Abundance

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: 119.643 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

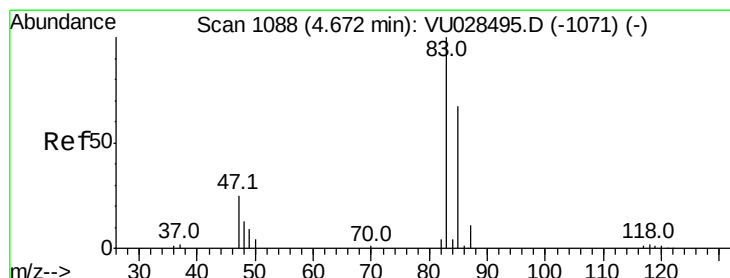
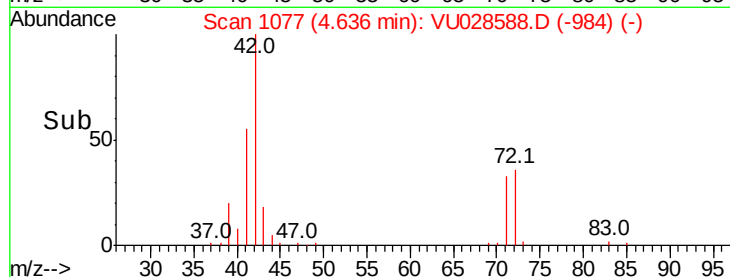
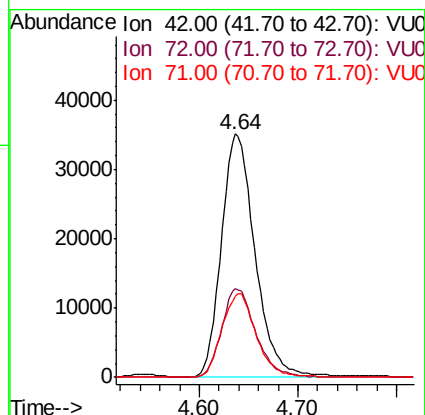
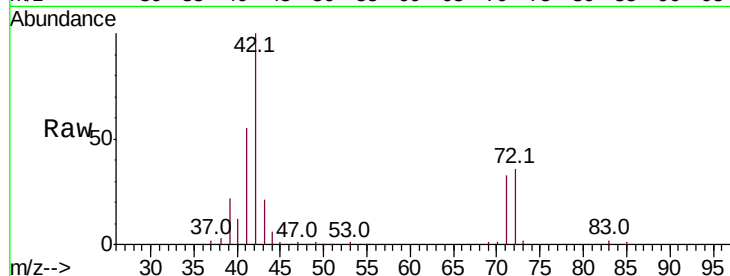
Tot Ion: 42 Resp: 84065

Ion Ratio Lower Upper

42 100

72 36.7 31.4 47.0

71 35.0 28.6 43.0



#30

Chloroform

Concen: 22.039 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028588.D

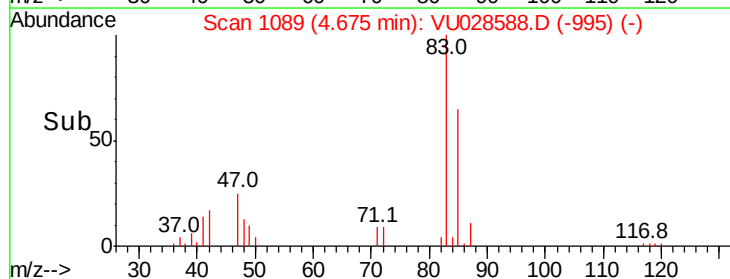
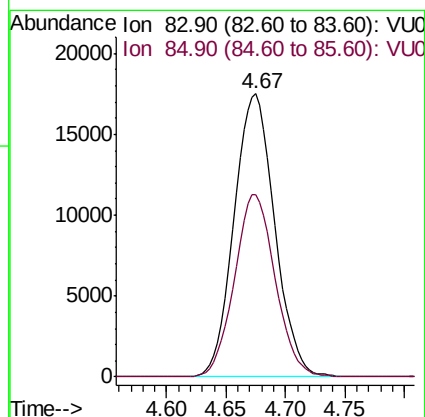
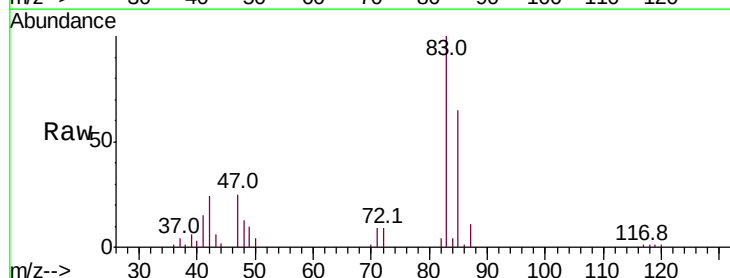
Acq: 11 Dec 2018 06:53

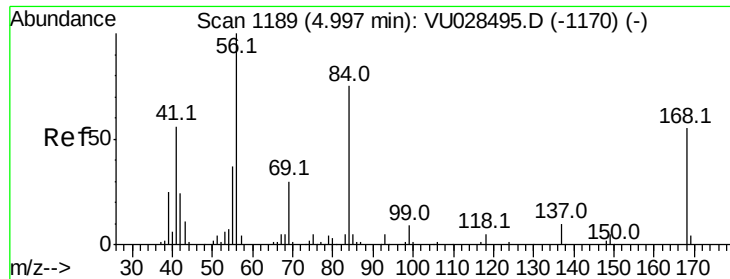
Tgt Ion: 83 Resp: 41403

Ion Ratio Lower Upper

83 100

85 64.5 53.6 80.4

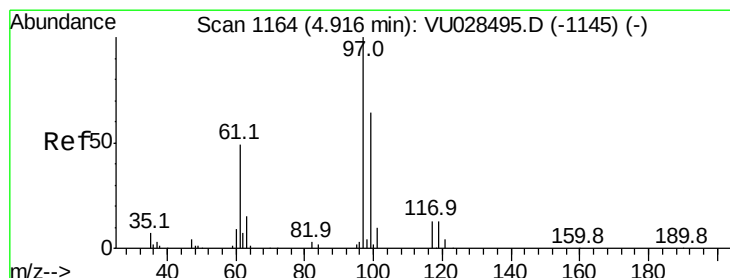
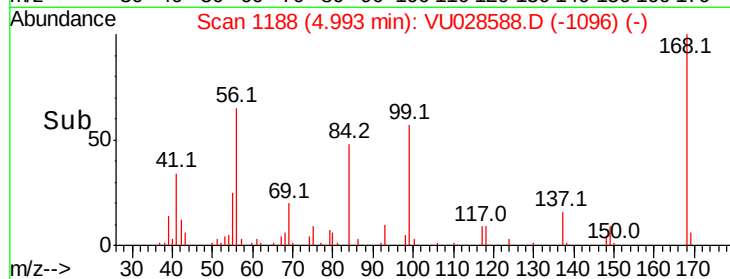
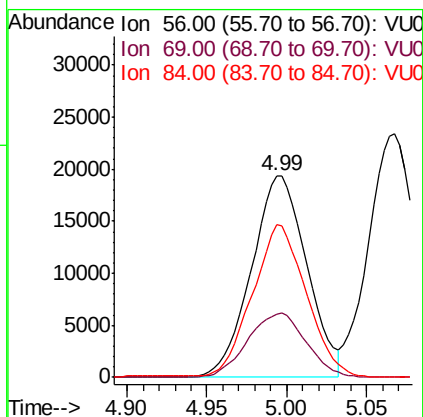
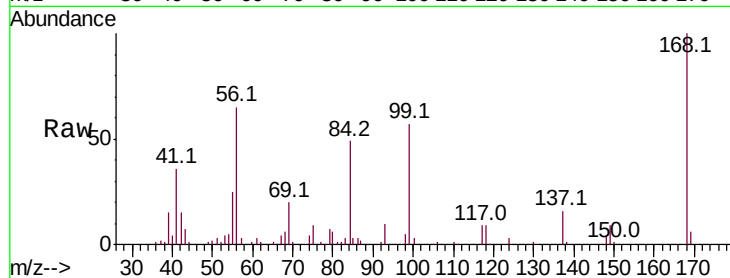




#31
Cyclohexane
Concen: 21.309 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

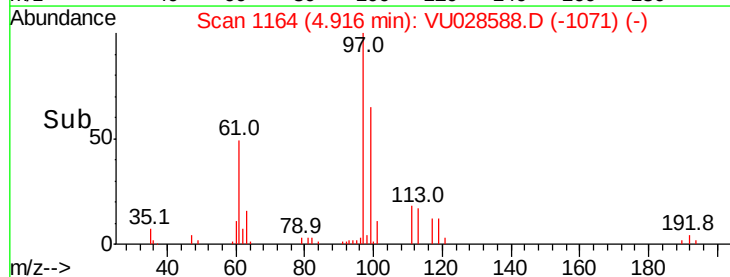
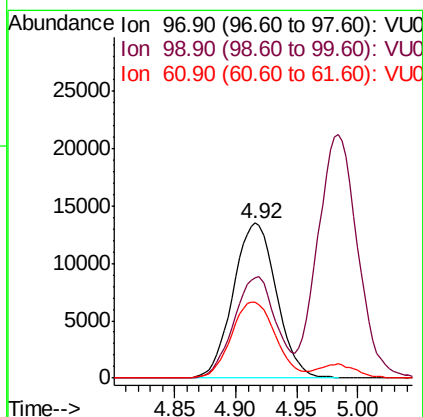
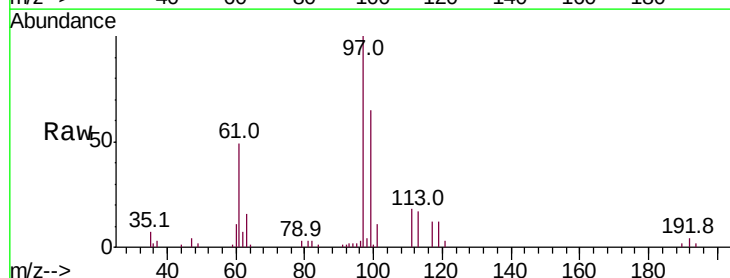
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

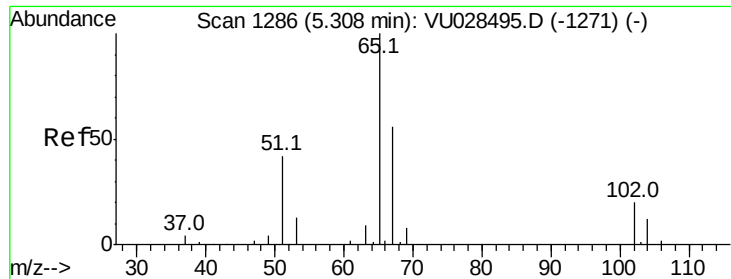
Tot Ion: 56 Resp: 46266
Ion Ratio Lower Upper
56 100
69 31.4 24.0 36.0
84 75.2 59.7 89.5



#32
1,1,1-Trichloroethane
Concen: 21.258 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 97 Resp: 33167
Ion Ratio Lower Upper
97 100
99 64.2 52.3 78.5
61 50.1 39.0 58.6

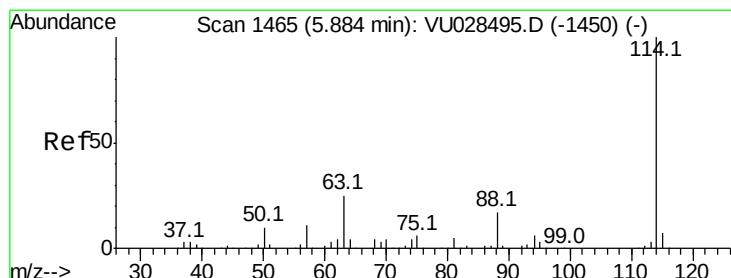
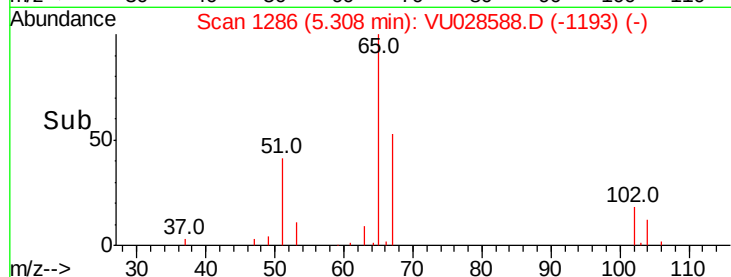
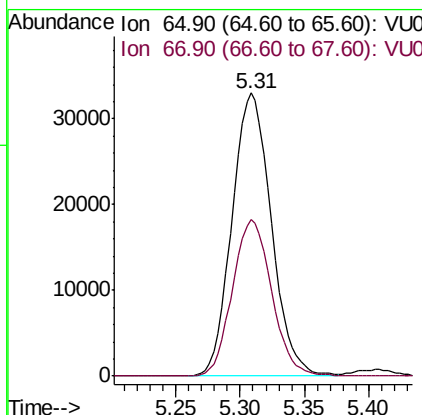
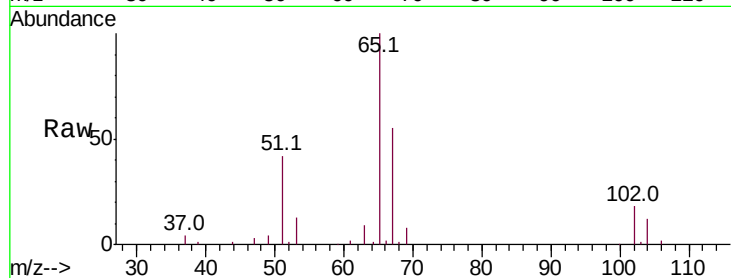




#33
 1,2-Dichloroethane-d4
 Concen: 57.149 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

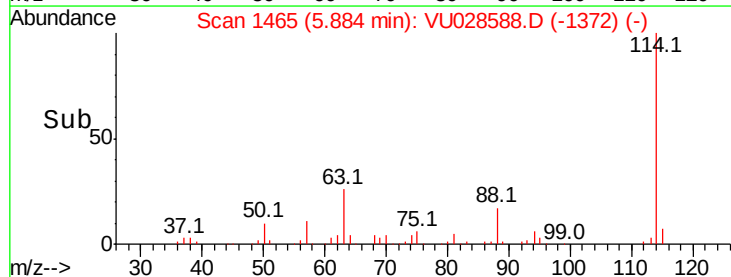
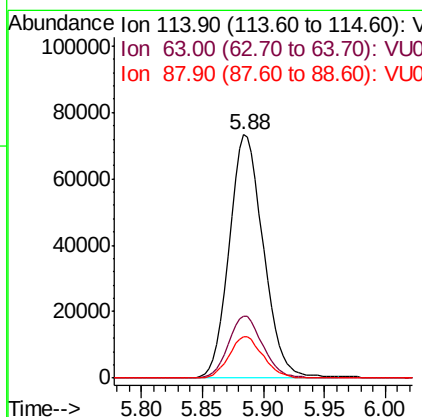
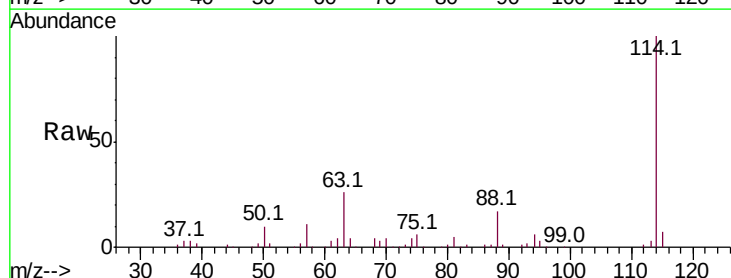
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

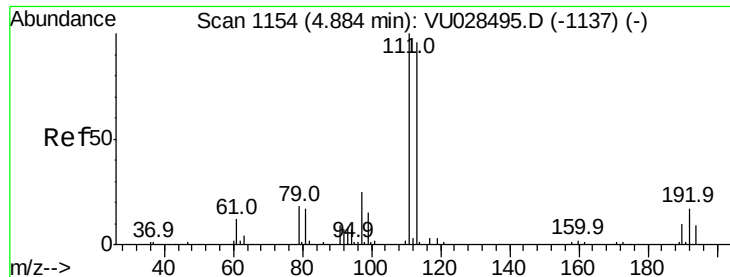
Tot Ion: 65 Resp: 70111
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion: 114 Resp: 143084
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 17.0 0.0 33.4

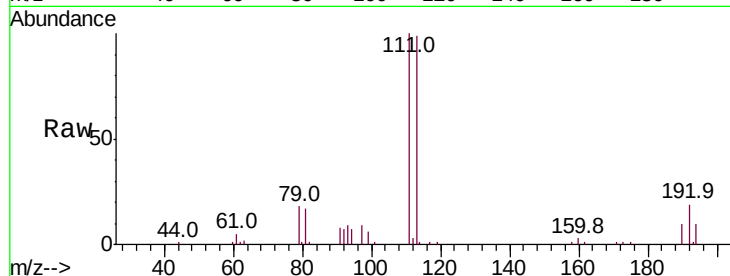




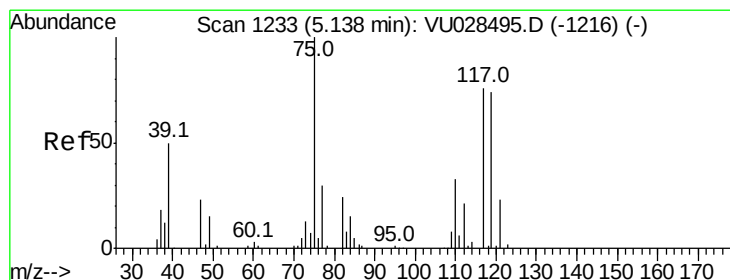
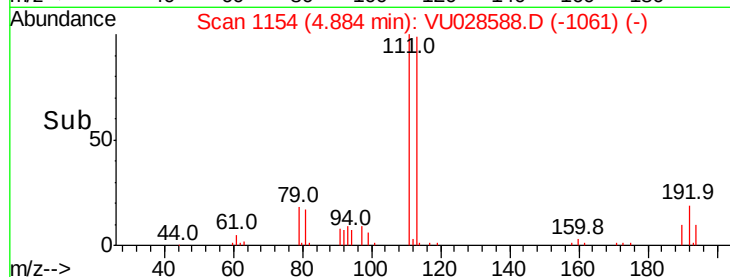
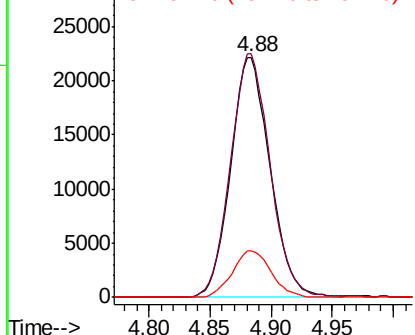
#35
 Dibromofluoromethane
 Concen: 55.109 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion:113 Resp: 49622
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.0
 192 18.9 14.8 22.2

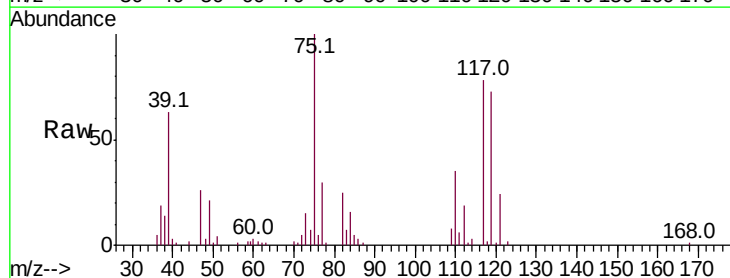


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

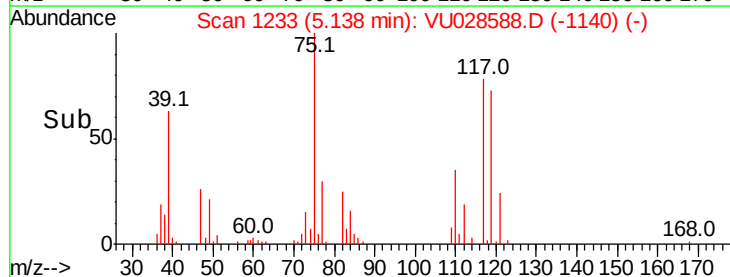
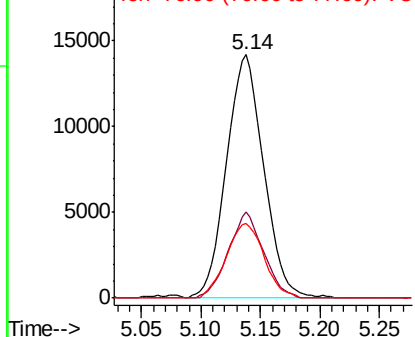


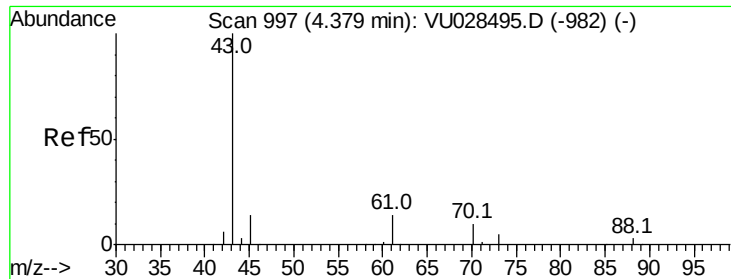
#36
 1,1-Dichloropropene
 Concen: 19.655 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion: 75 Resp: 30774
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.1 48.2
 77 31.0 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: 22.989 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

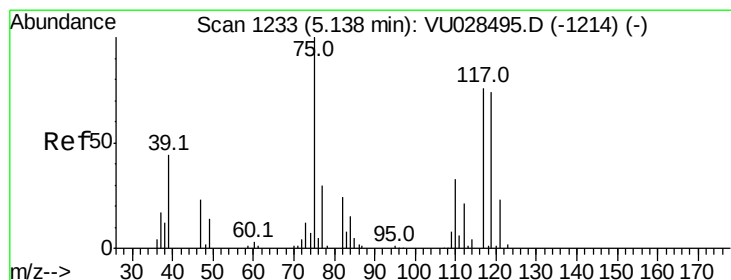
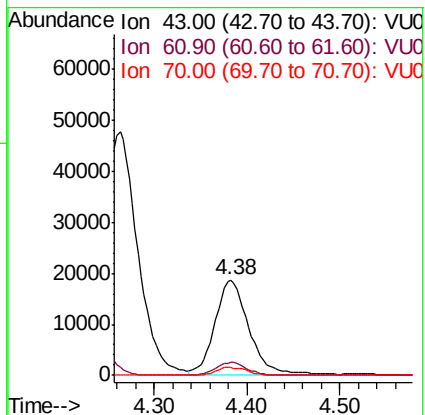
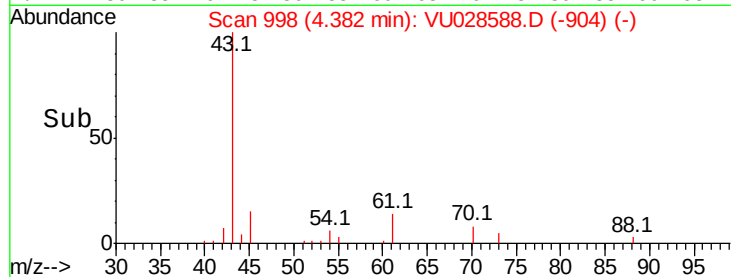
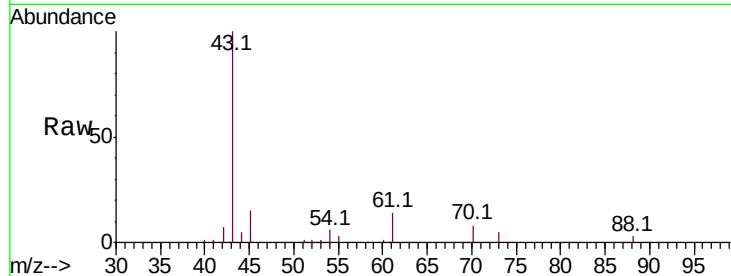
Tot Ion: 43 Resp: 46531

Ion Ratio Lower Upper

43 100

61 12.7 11.0 16.4

70 8.0 7.4 11.0



#38

Carbon Tetrachloride

Concen: 20.461 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

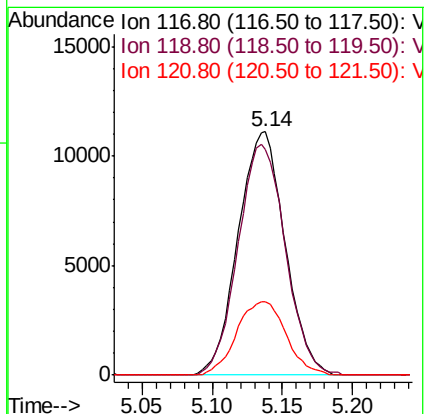
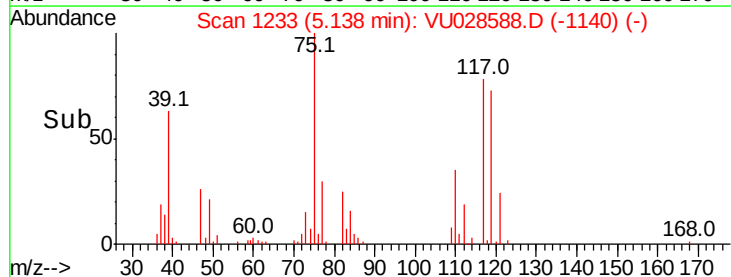
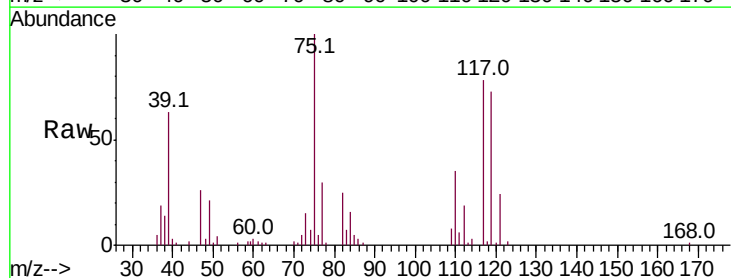
Tgt Ion: 117 Resp: 25822

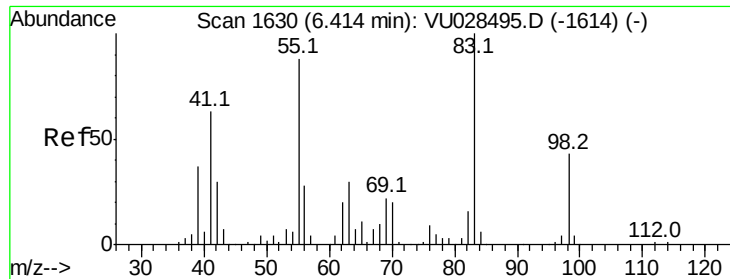
Ion Ratio Lower Upper

117 100

119 92.6 77.6 116.4

121 30.1 24.6 36.8





#39

Methylvlcyclohexane

Concen: 18.635 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

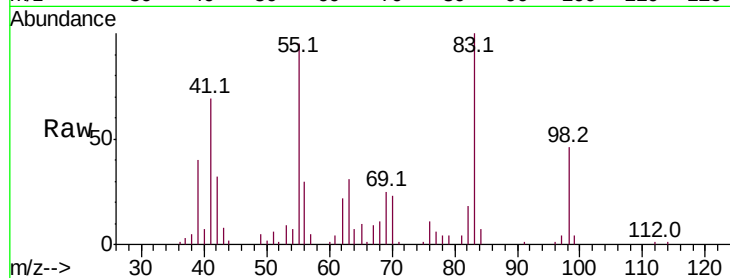
Tot Ion: 83 Resp: 35596

Ion Ratio Lower Upper

83 100

55 94.9 70.2 105.2

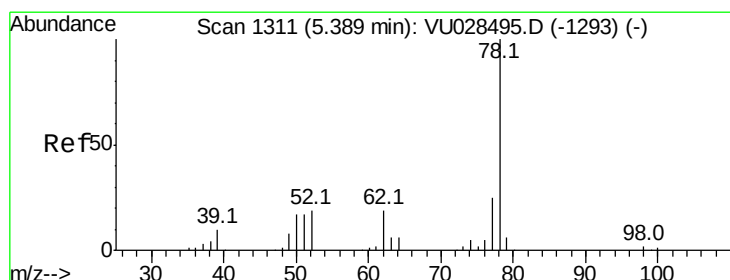
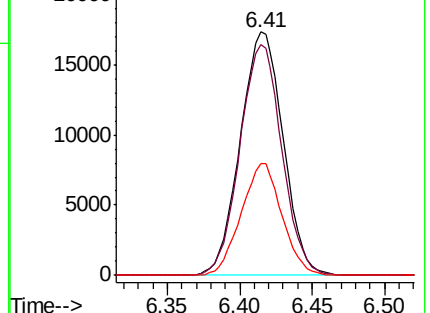
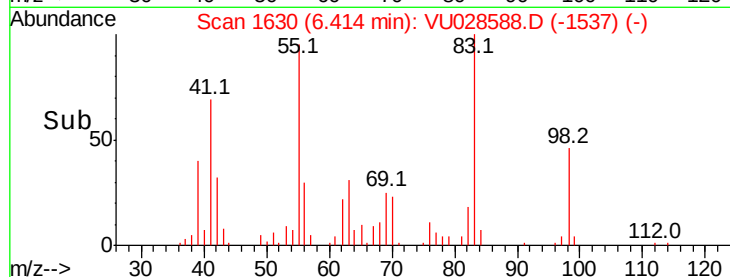
98 46.1 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 21.083 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028588.D

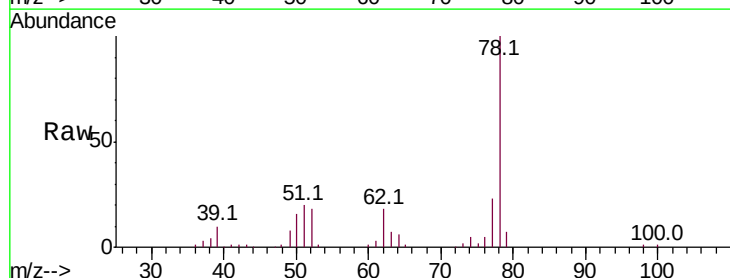
Acq: 11 Dec 2018 06:53

Tgt Ion: 78 Resp: 97224

Ion Ratio Lower Upper

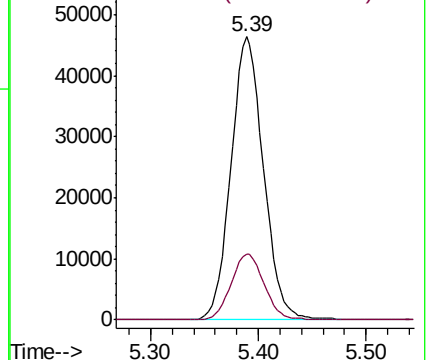
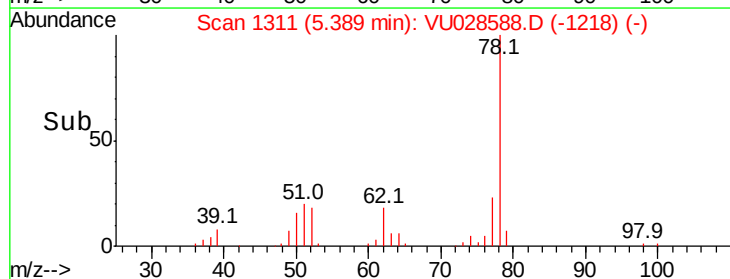
78 100

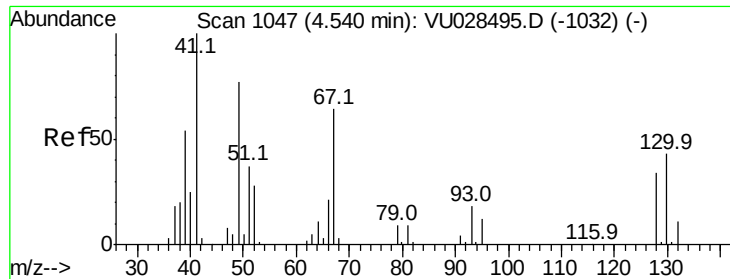
77 23.3 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

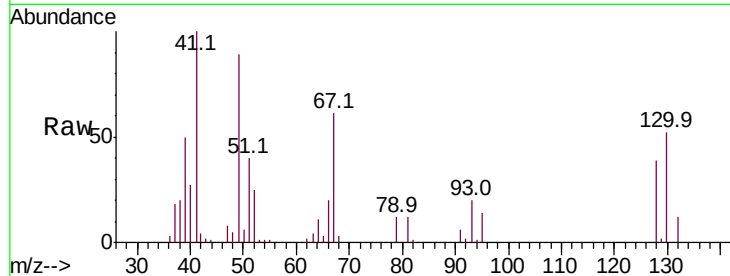




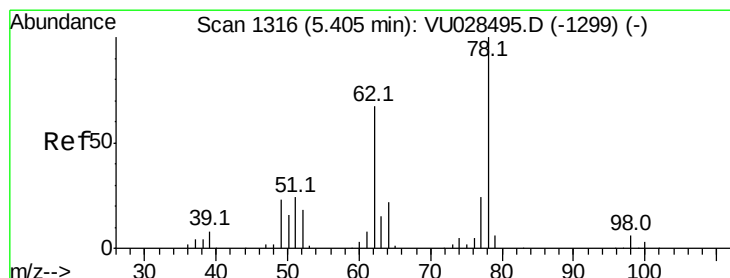
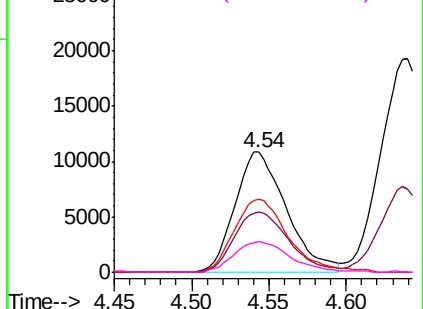
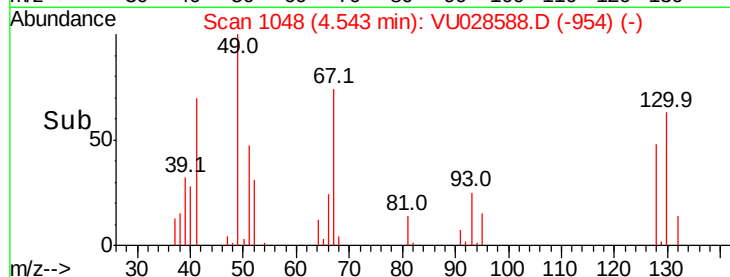
#41
Methacrylonitrile
Concen: 22.624 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion: 41 Resp: 25078
Ion Ratio Lower Upper
41 100
39 53.3 43.3 64.9
67 63.6 53.6 80.4
52 27.8 22.1 33.1

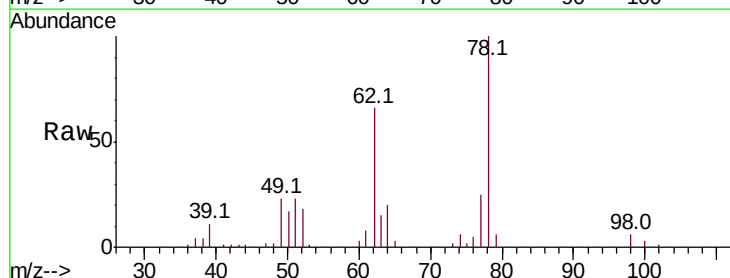


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

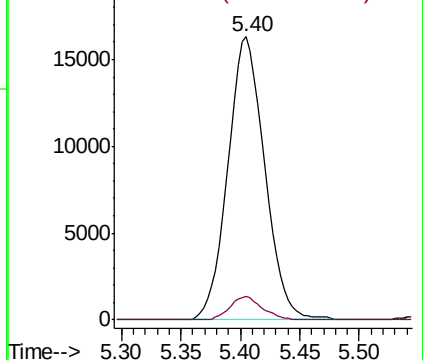
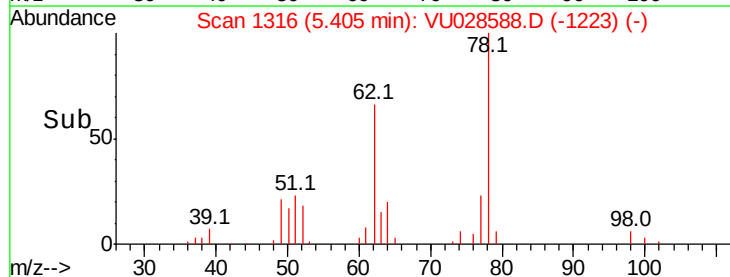


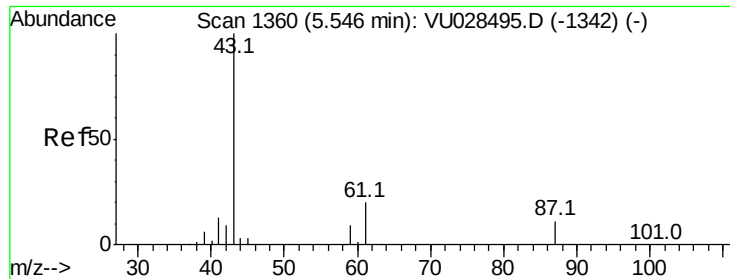
#42
1,2-Dichloroethane
Concen: 21.696 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 62 Resp: 35022
Ion Ratio Lower Upper
62 100
98 7.2 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 21.781 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

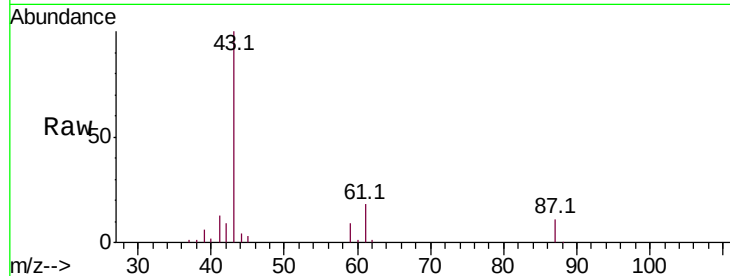
Tot Ion: 43 Resp: 69729

Ion Ratio Lower Upper

43 100

61 18.7 15.5 23.3

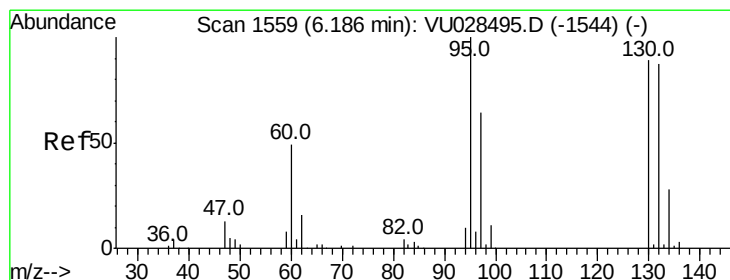
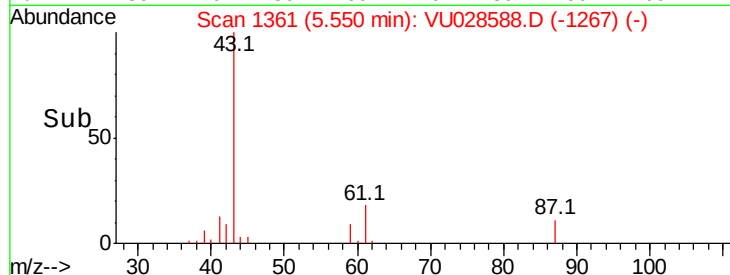
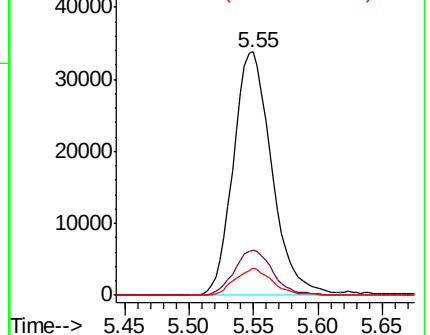
87 10.8 8.7 13.1



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: 20.065 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028588.D

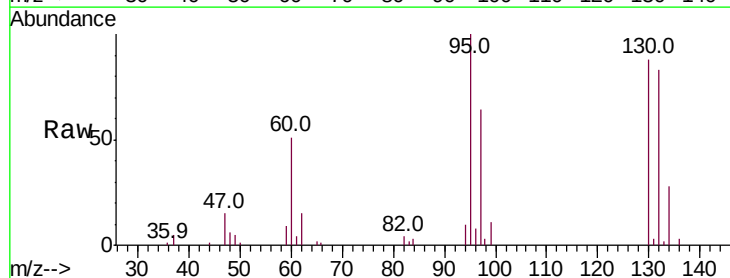
Acq: 11 Dec 2018 06:53

Tgt Ion:130 Resp: 20574

Ion Ratio Lower Upper

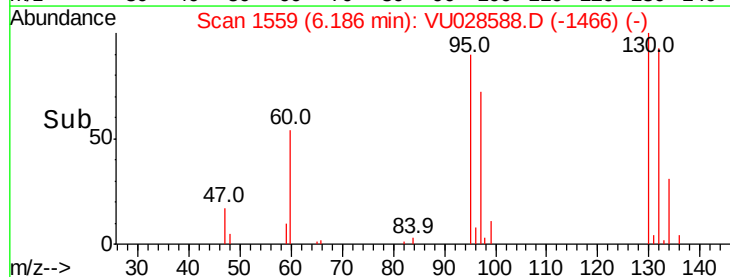
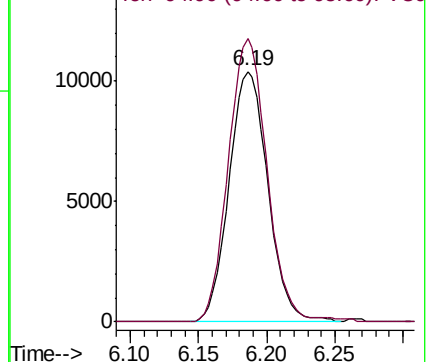
130 100

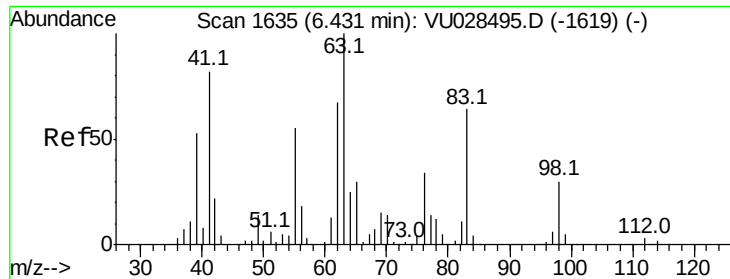
95 113.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 21.596 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

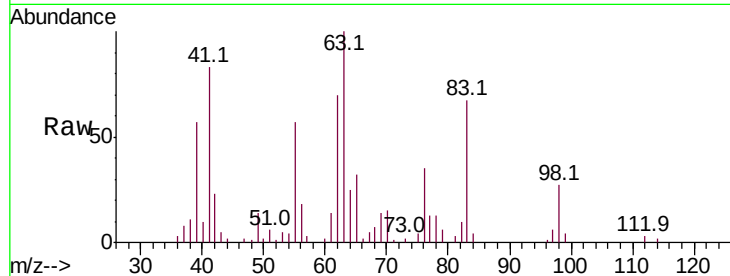
VU1211WBSD02

Tot Ion: 63 Resp: 28005

Ion Ratio Lower Upper

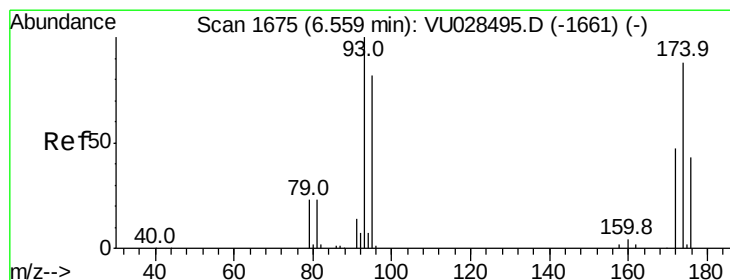
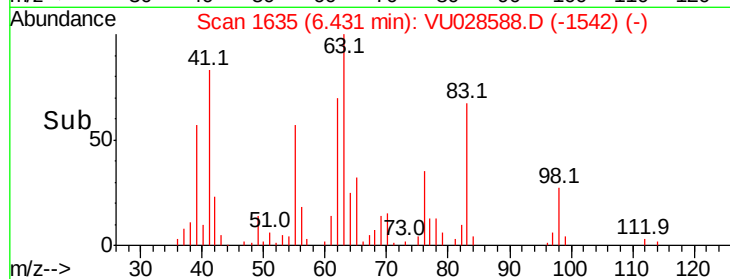
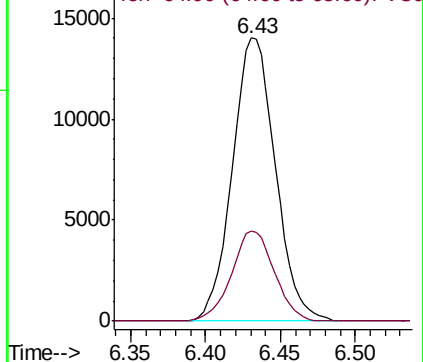
63 100

65 32.0 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.865 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

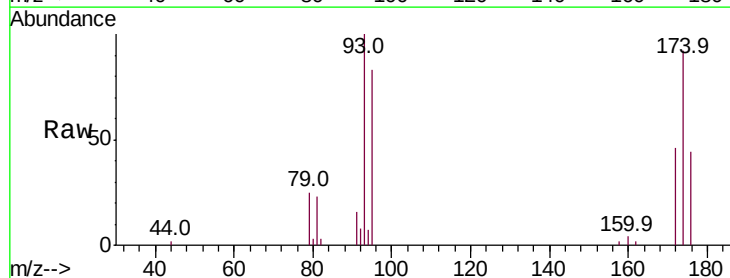
Tgt Ion: 93 Resp: 16054

Ion Ratio Lower Upper

93 100

95 83.9 65.4 98.2

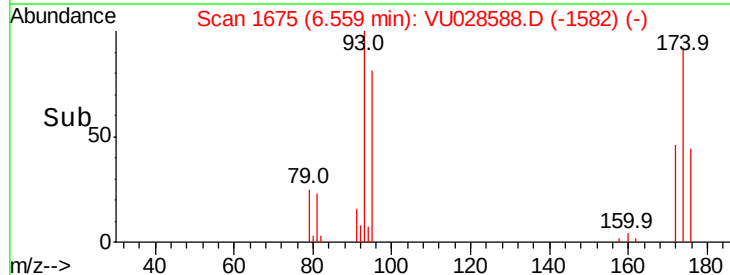
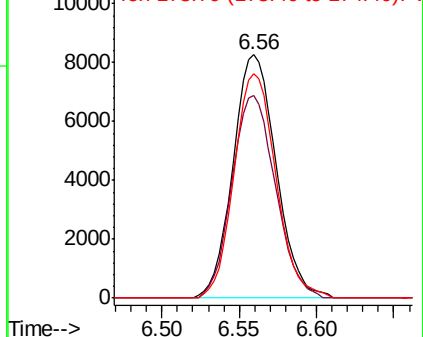
174 89.5 72.2 108.4

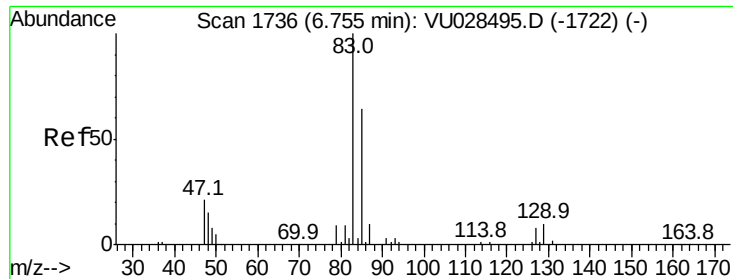


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.840 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

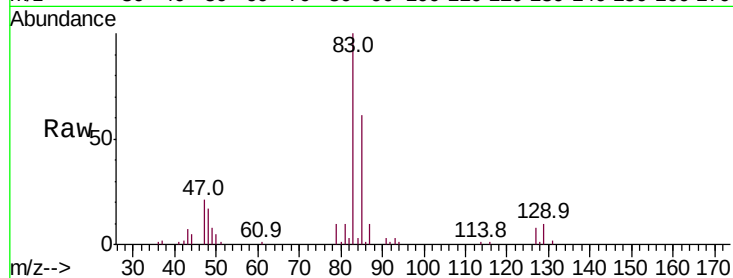
Tot Ion: 83 Resp: 31203

Ion Ratio Lower Upper

83 100

85 61.5 51.5 77.3

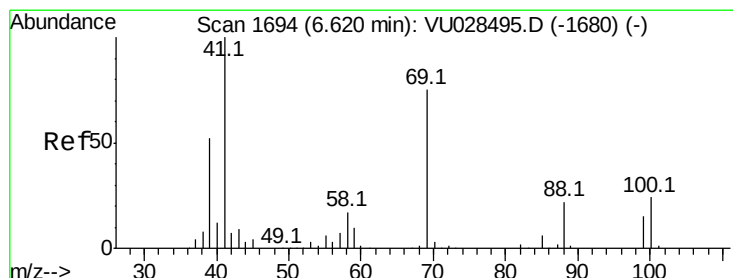
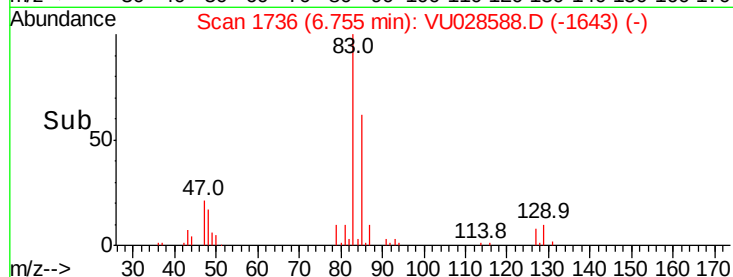
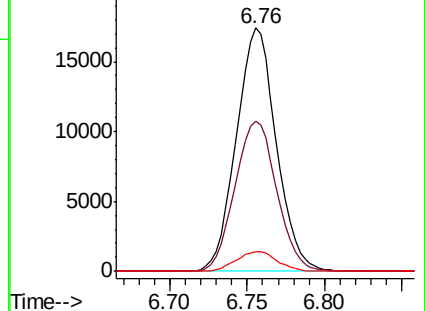
127 8.0 6.2 9.4



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: 22.089 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

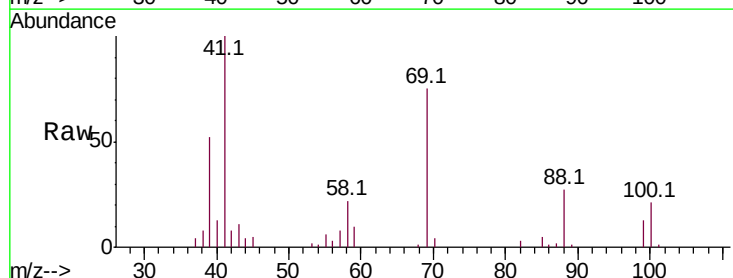
Tgt Ion: 41 Resp: 35168

Ion Ratio Lower Upper

41 100

69 75.1 60.4 90.6

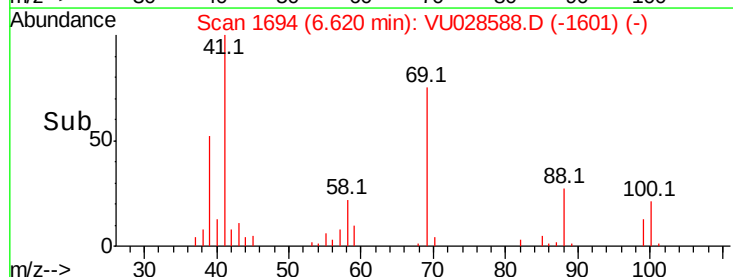
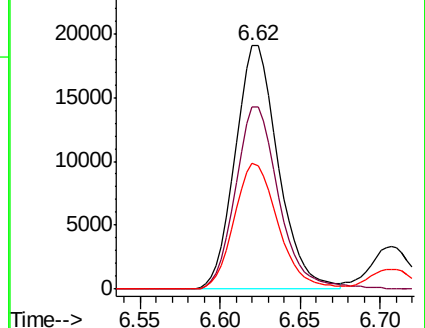
39 52.4 41.1 61.7

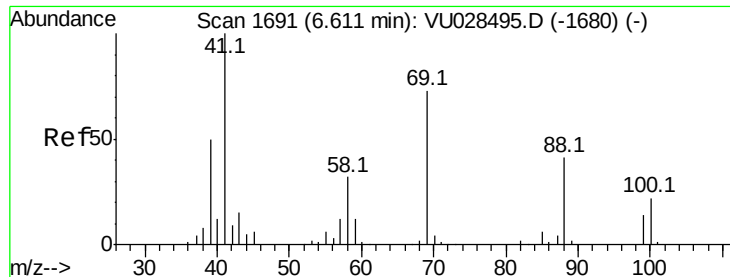


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 478.668 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

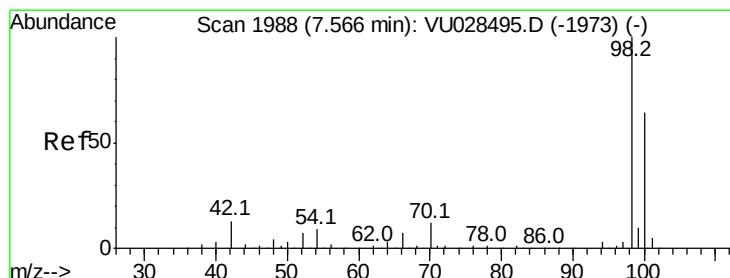
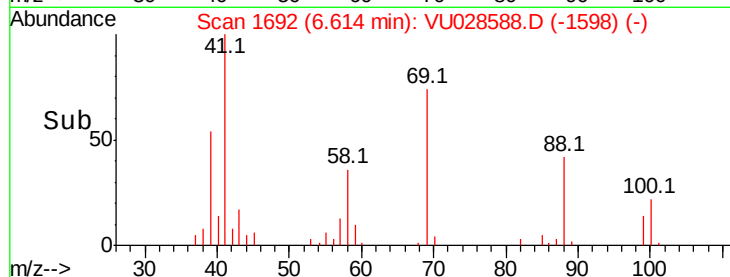
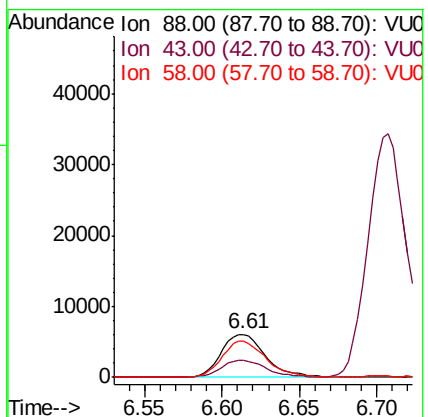
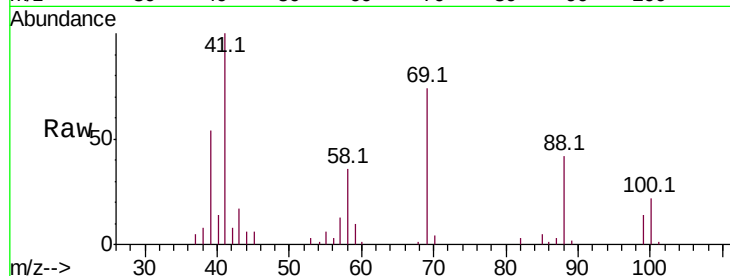
Tot Ion: 88 Resp: 12033

Ion Ratio Lower Upper

88 100

43 40.6 30.9 46.3

58 83.7 62.4 93.6



#50

Toluene-d8

Concen: 54.155 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028588.D

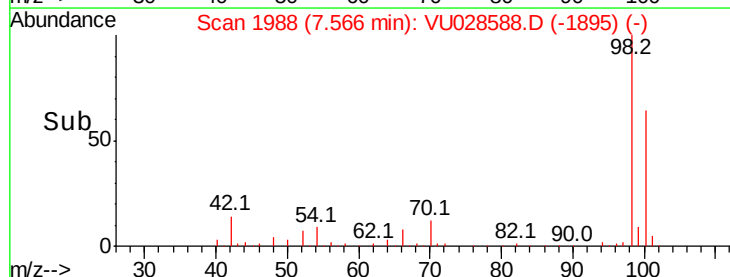
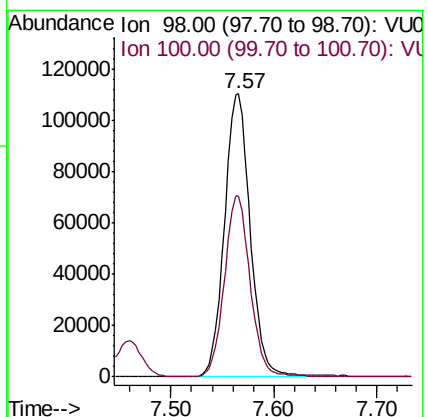
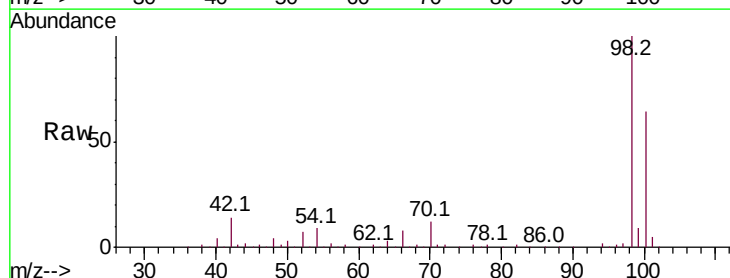
Acq: 11 Dec 2018 06:53

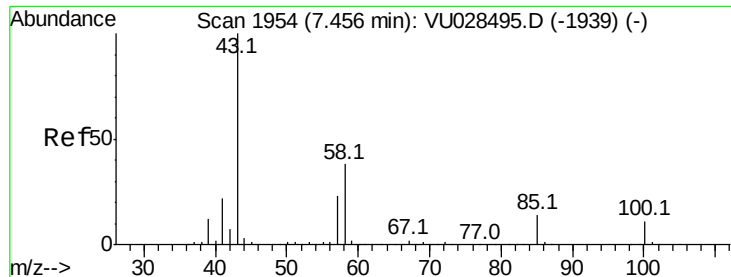
Tgt Ion: 98 Resp: 192898

Ion Ratio Lower Upper

98 100

100 63.1 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 113.391 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

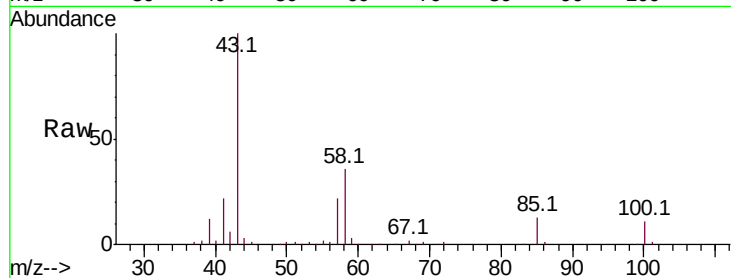
VU1211WBSD02

Tot Ion: 43 Resp: 228957

Ion Ratio Lower Upper

43 100

58 36.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

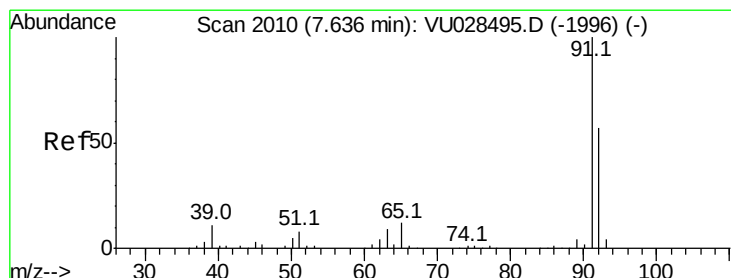
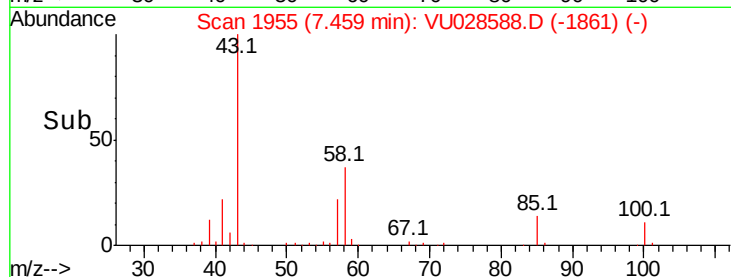
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.644 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028588.D

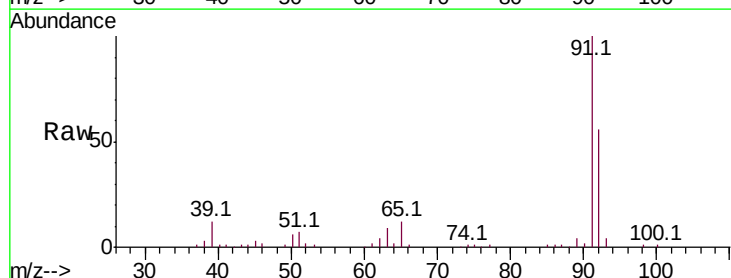
Acq: 11 Dec 2018 06:53

Tgt Ion: 92 Resp: 56026

Ion Ratio Lower Upper

92 100

91 172.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

60000

50000

40000

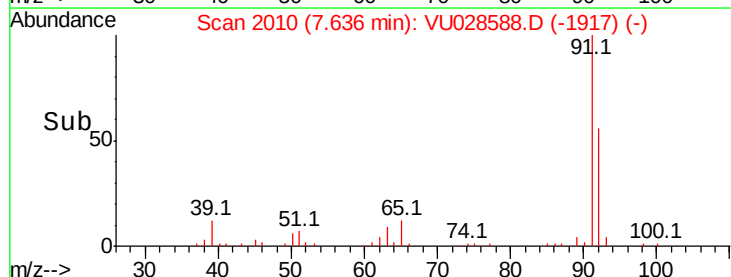
30000

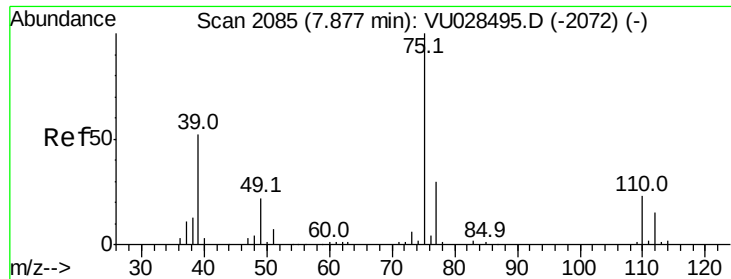
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.323 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

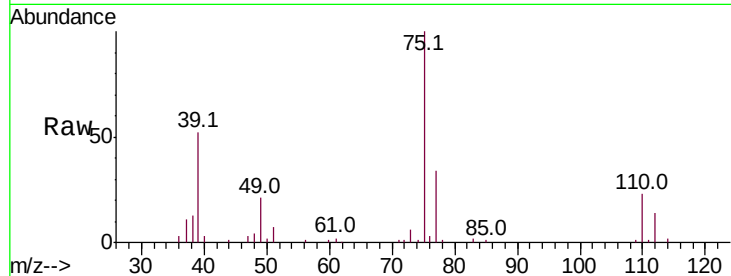
VU1211WBSD02

Tot Ion: 75 Resp: 34456

Ion Ratio Lower Upper

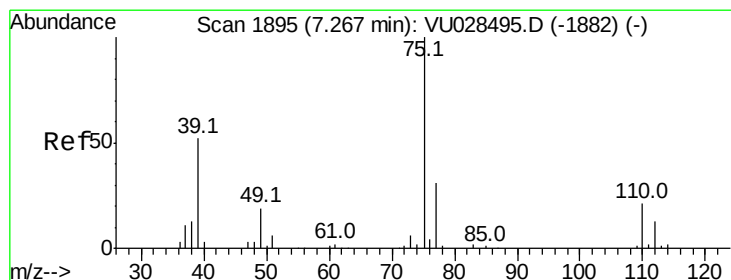
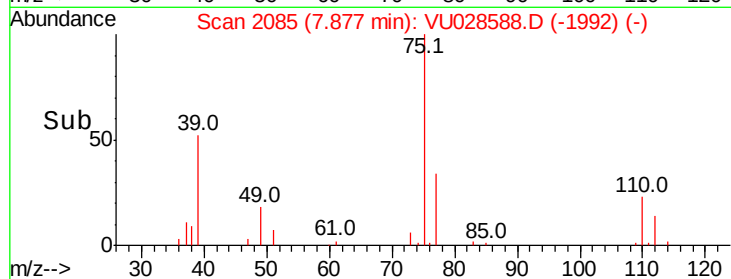
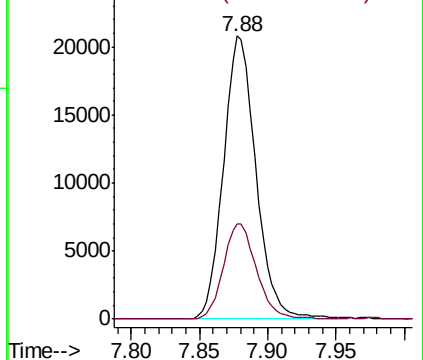
75 100

77 33.7 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: 19.785 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

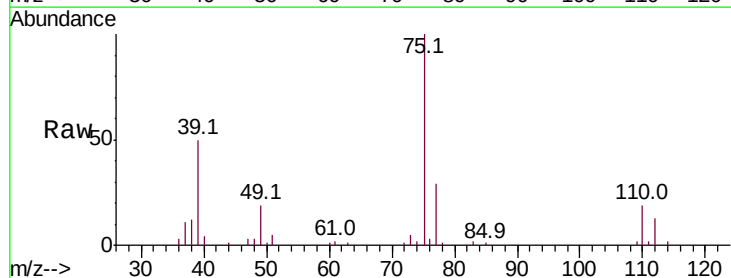
Tgt Ion: 75 Resp: 38277

Ion Ratio Lower Upper

75 100

77 29.4 25.0 37.4

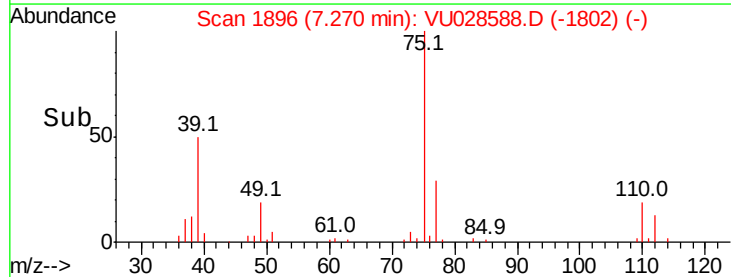
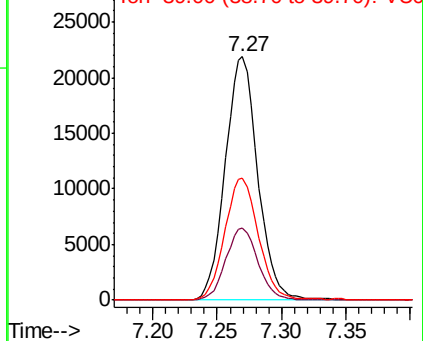
39 50.0 41.3 61.9

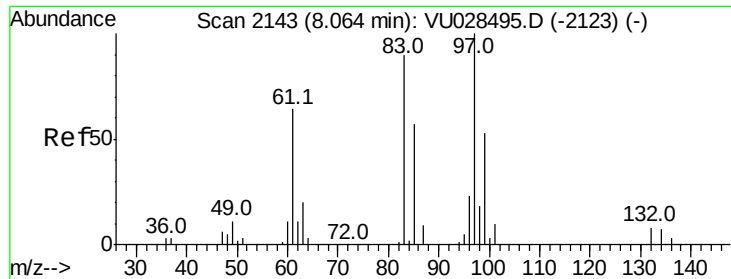


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

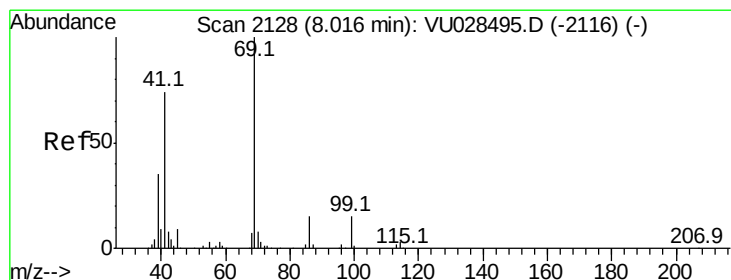
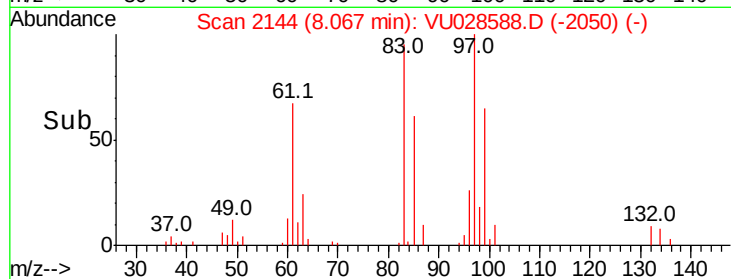
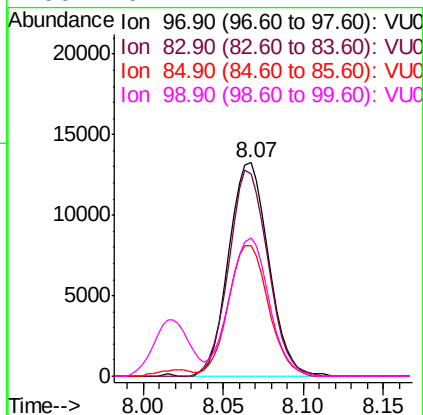
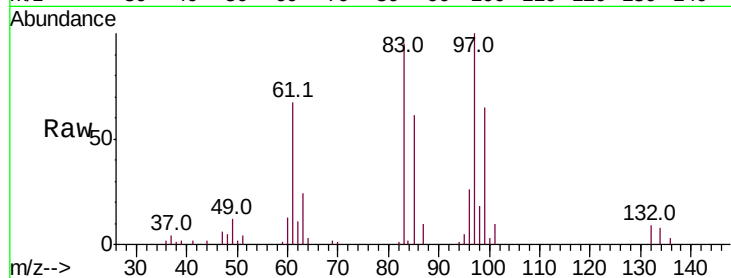




#55
 1,1,2-Trichloroethane
 Concen: 21.013 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

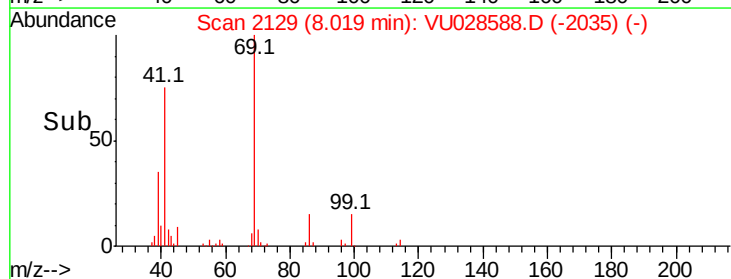
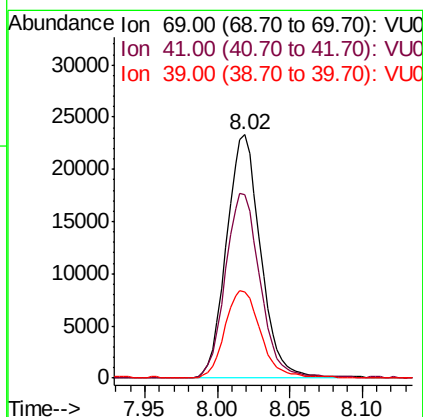
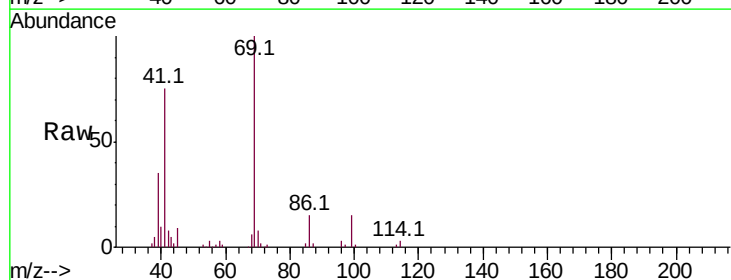
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

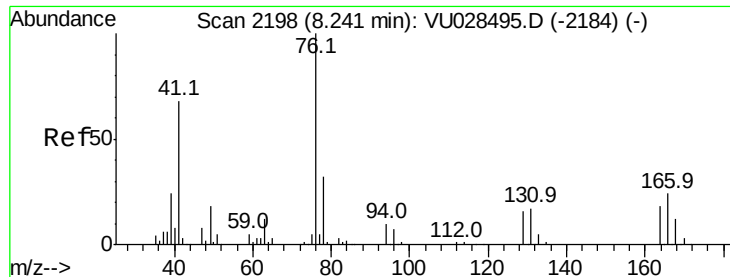
Tot Ion:	97	Resp:	22543
Ion	Ratio	Lower	Upper
97	100		
83	94.8	72.4	108.6
85	61.0	46.0	69.0
99	64.7	47.4	71.2



#56
 Ethyl methacrylate
 Concen: 20.721 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion:	69	Resp:	38067
Ion	Ratio	Lower	Upper
69	100		
41	77.8	59.1	88.7
39	37.4	28.4	42.6





#57

1,3-Dichloropropane

Concen: 21.017 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

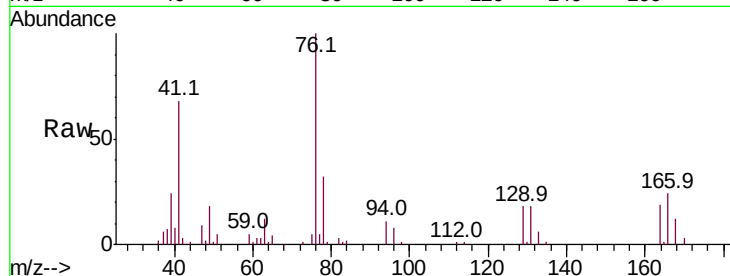
VU1211WBSD02

Tot Ion: 76 Resp: 41855

Ion Ratio Lower Upper

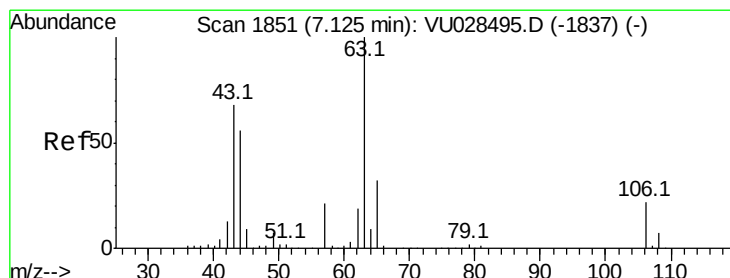
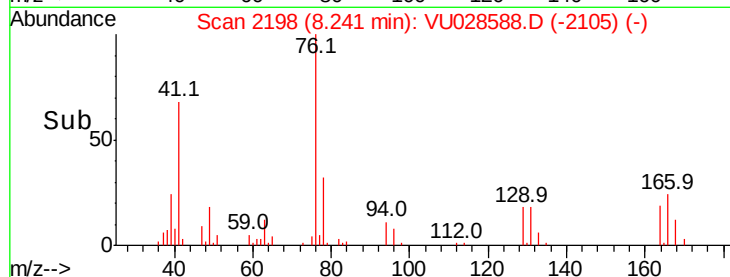
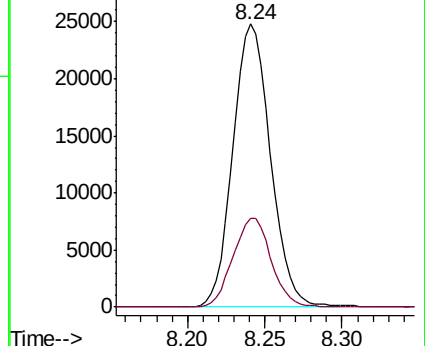
76 100

78 31.8 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: 92.280 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028588.D

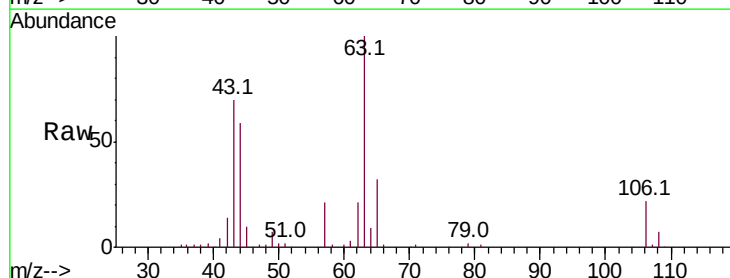
Acq: 11 Dec 2018 06:53

Tgt Ion: 63 Resp: 86834

Ion Ratio Lower Upper

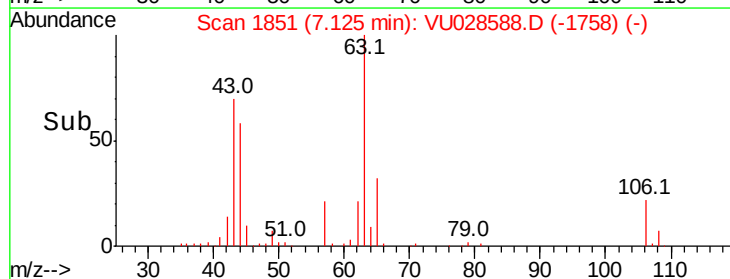
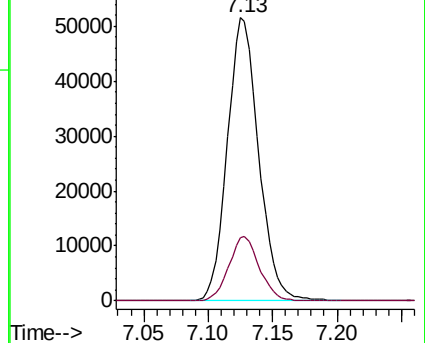
63 100

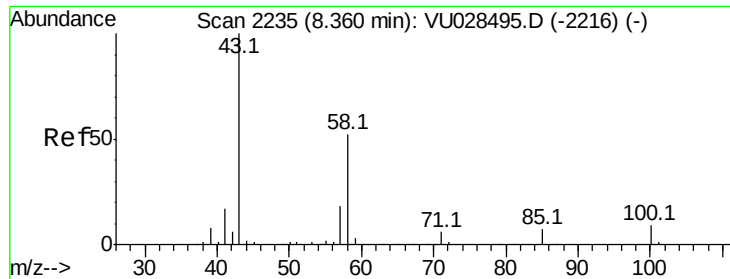
106 22.2 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

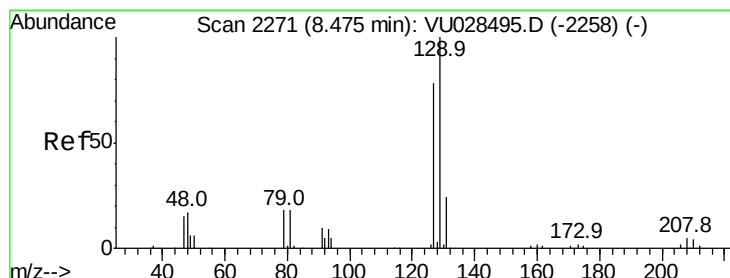
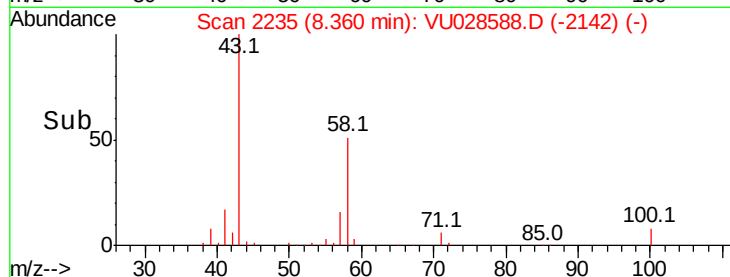
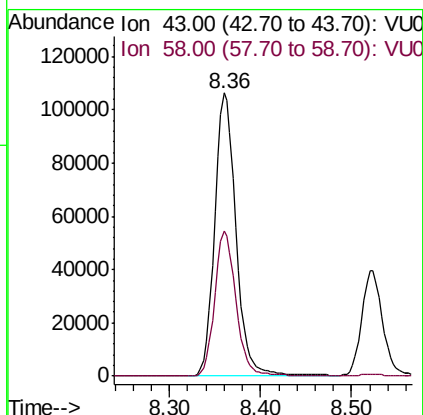
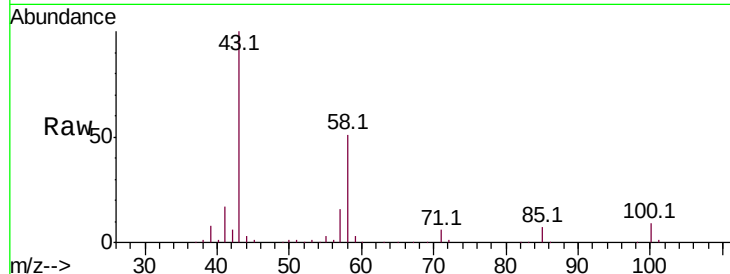




#59
2-Hexanone
Concen: 108.504 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

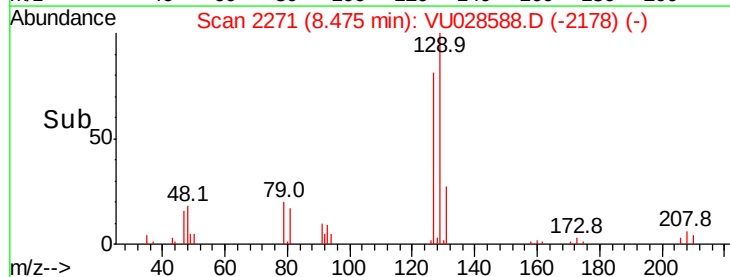
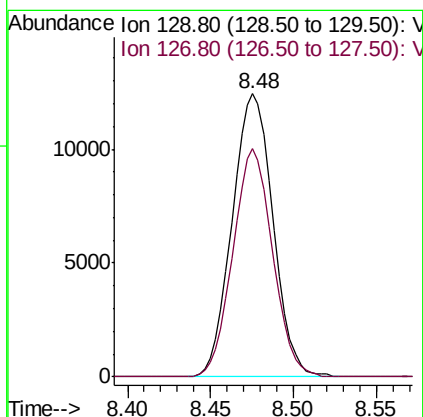
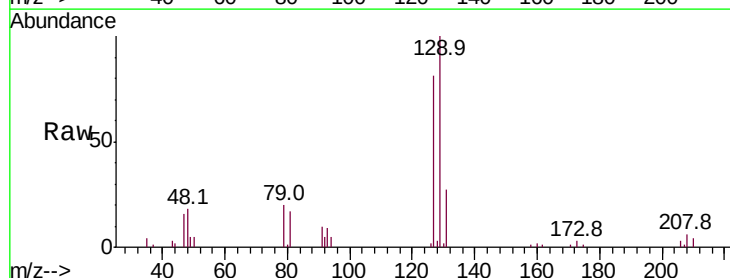
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

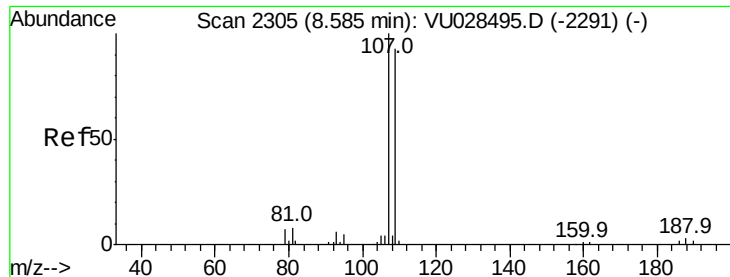
Tot Ion: 43 Resp: 173651
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6



#60
Dibromochloromethane
Concen: 20.217 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:129 Resp: 21235
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.977 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

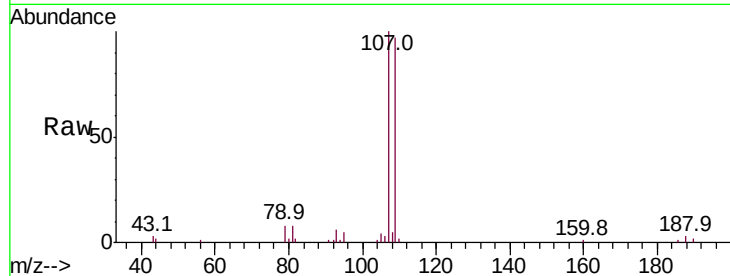
VU1211WBSD02

Tot Ion:107 Resp: 23599

Ion Ratio Lower Upper

107 100

109 94.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

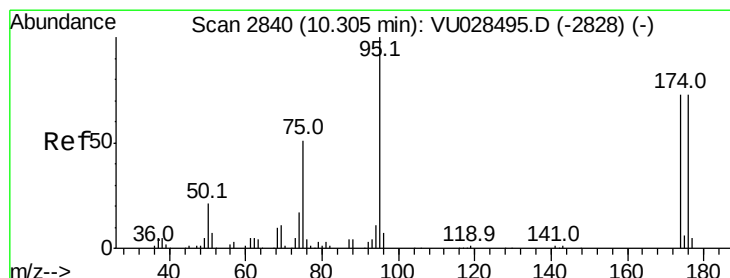
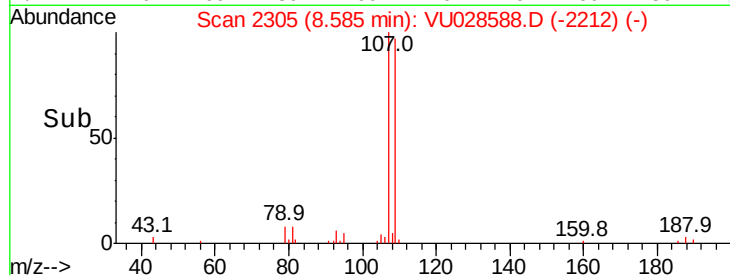
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 51.980 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

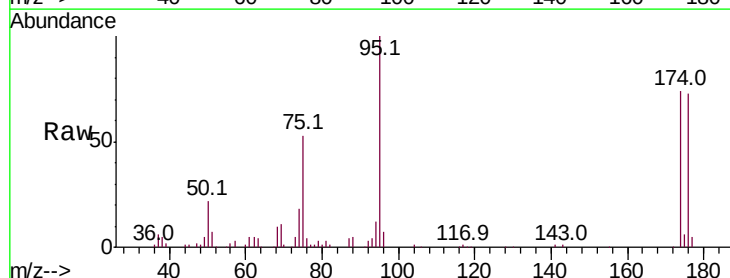
Tgt Ion: 95 Resp: 69203

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.4

176 73.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

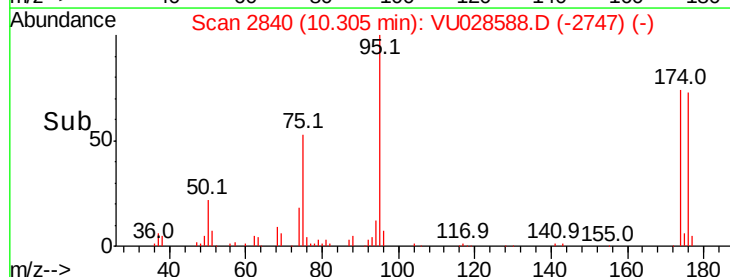
30000

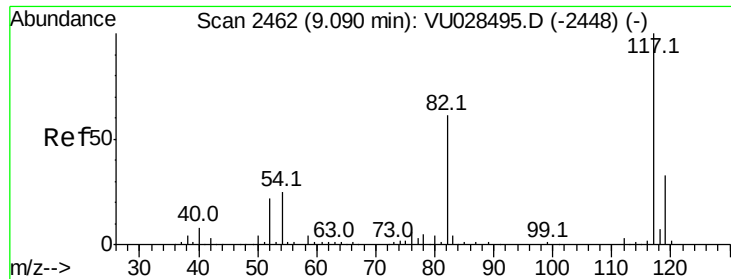
20000

10000

0

Time--> 10.30 10.40

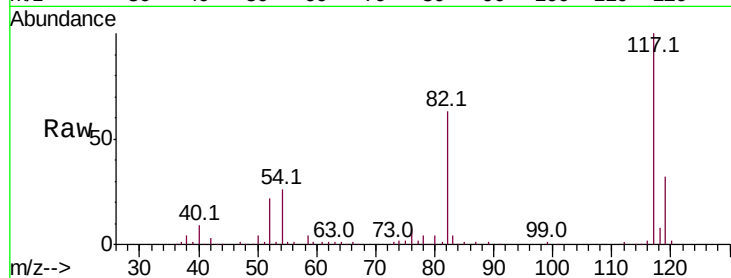




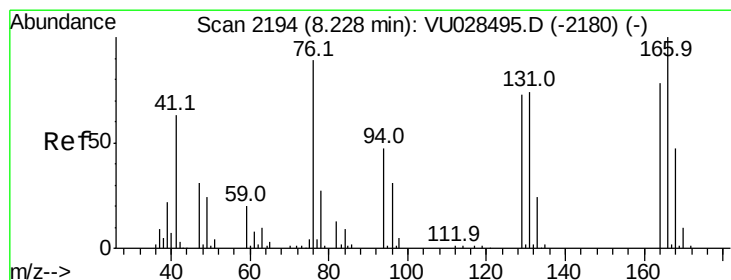
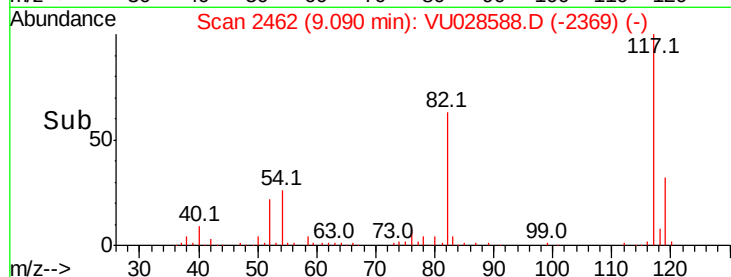
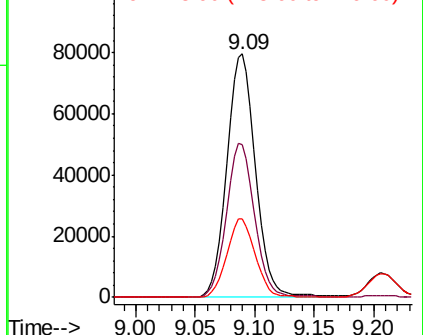
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion:117 Resp: 132749
Ion Ratio Lower Upper
117 100
82 62.8 48.9 73.3
119 32.1 26.2 39.4

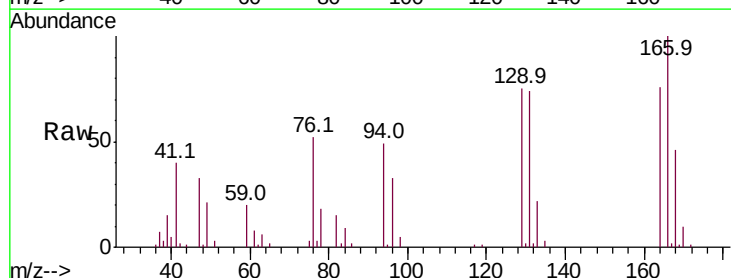


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

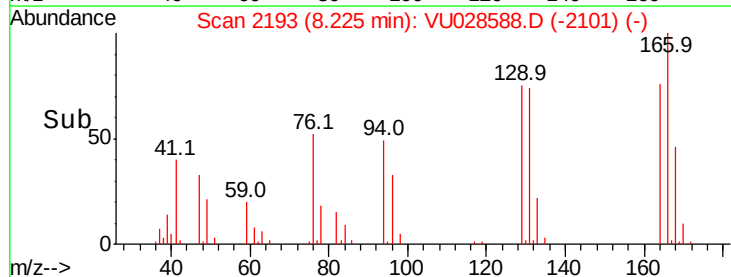
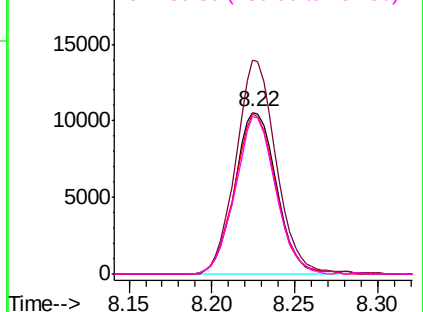


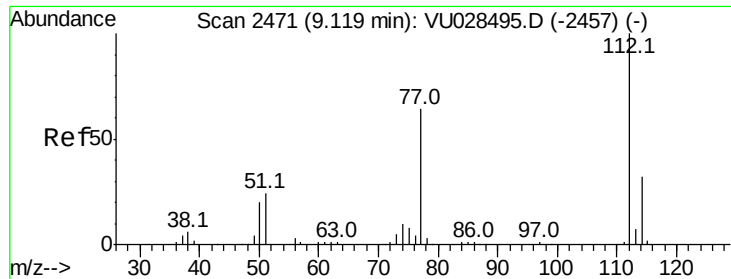
#64
Tetrachloroethene
Concen: 20.937 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:164 Resp: 18539
Ion Ratio Lower Upper
164 100
166 132.4 101.9 152.9
129 98.9 74.9 112.3
131 97.8 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

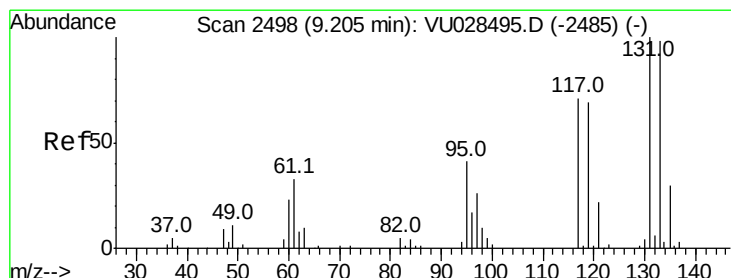
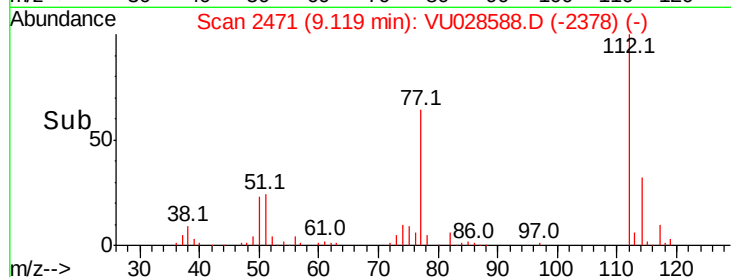
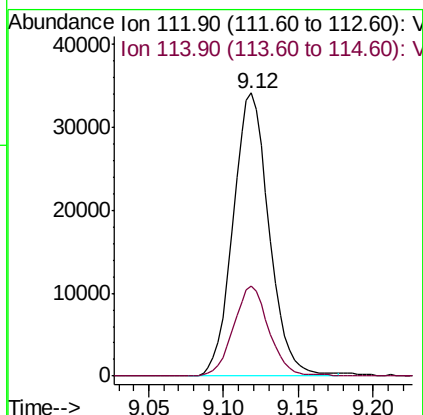
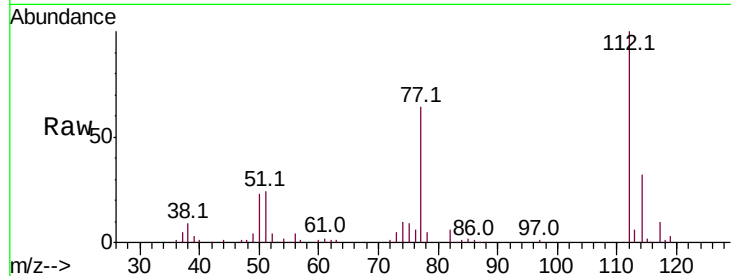




#65
Chlorobenzene
Concen: 20.241 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

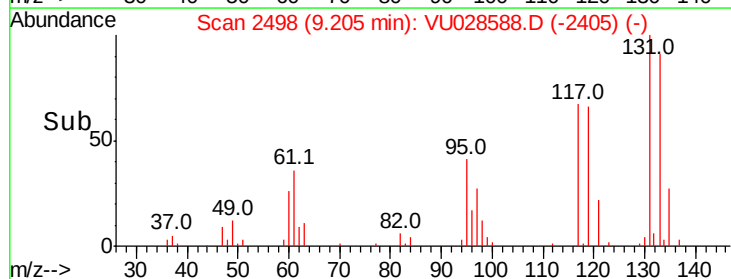
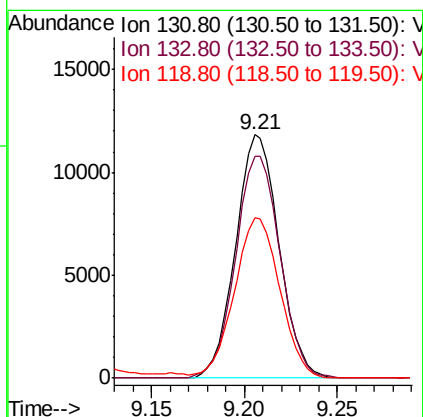
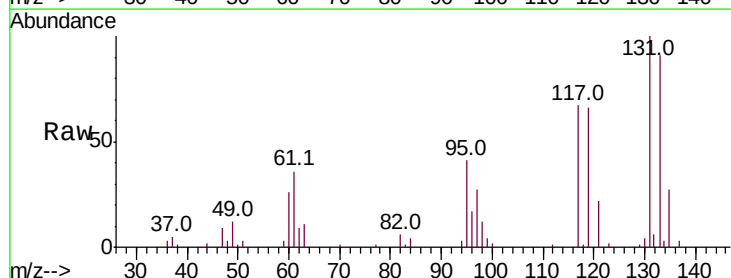
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

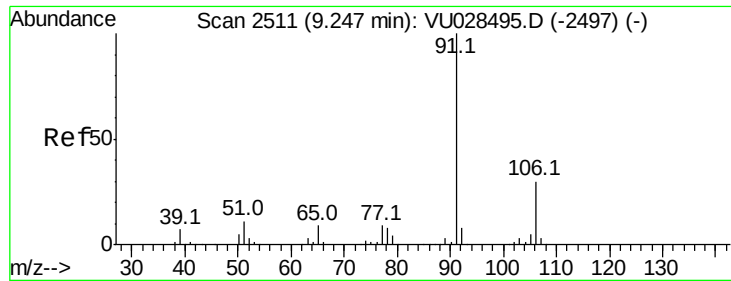
Tot Ion:112 Resp: 57258
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.295 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:131 Resp: 19236
Ion Ratio Lower Upper
131 100
133 93.7 48.0 144.0
119 69.3 34.6 103.9

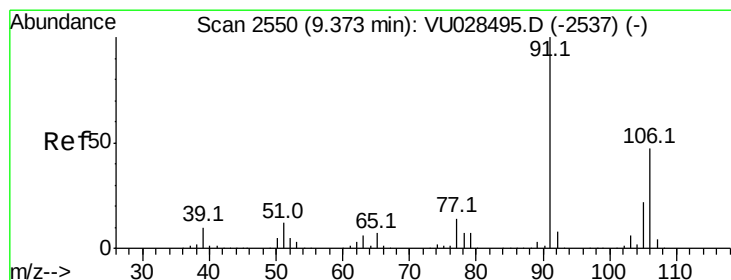
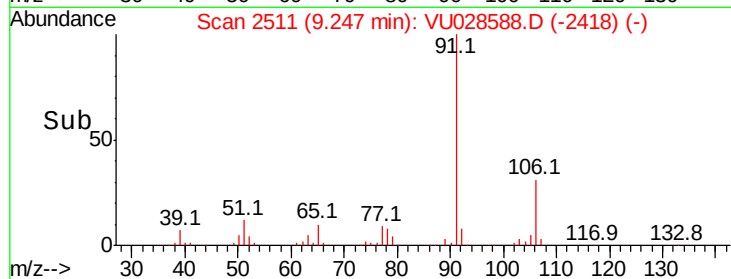
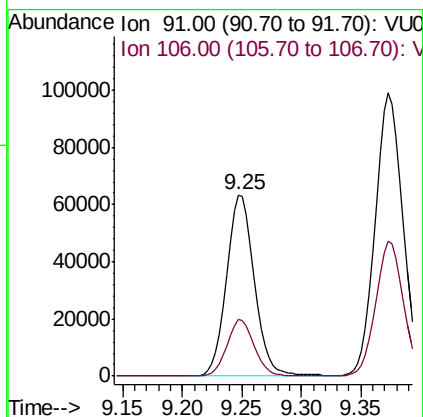
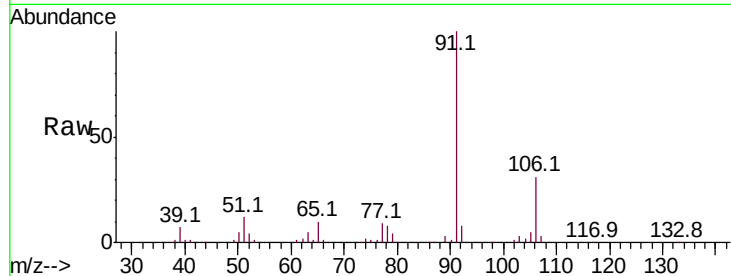




#67
Ethyl Benzene
Concen: 19.781 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

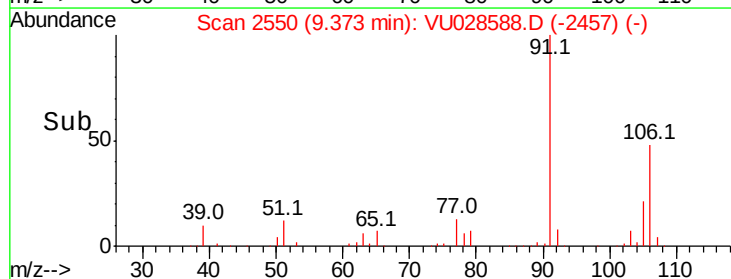
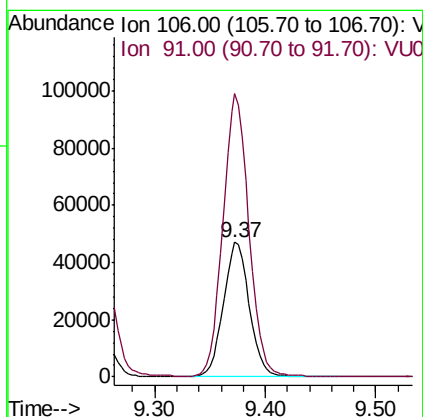
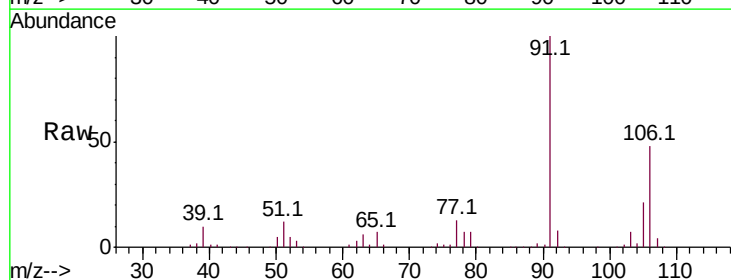
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

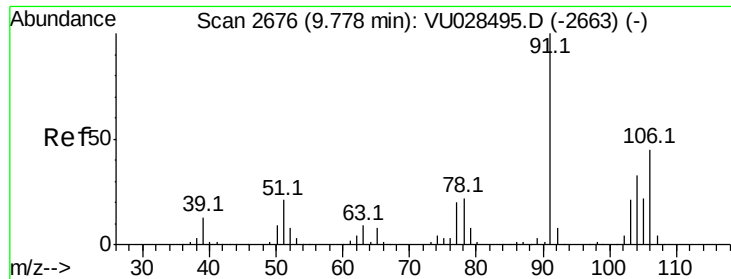
Tot Ion: 91 Resp: 102866
Ion Ratio Lower Upper
91 100
106 31.2 24.1 36.1



#68
m/p-Xylenes
Concen: 40.733 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 106 Resp: 77074
Ion Ratio Lower Upper
106 100
91 207.6 167.4 251.0

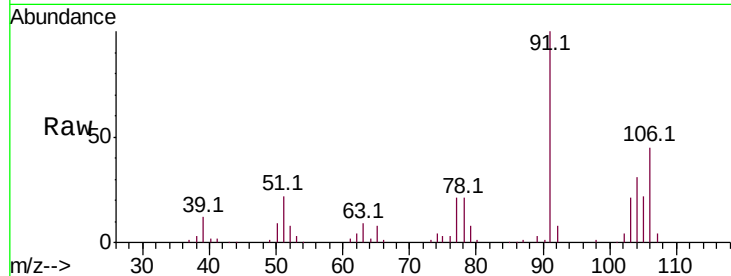




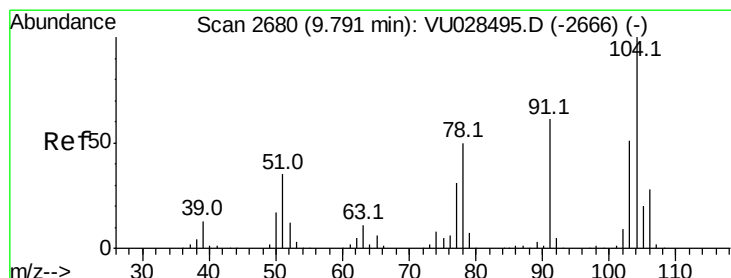
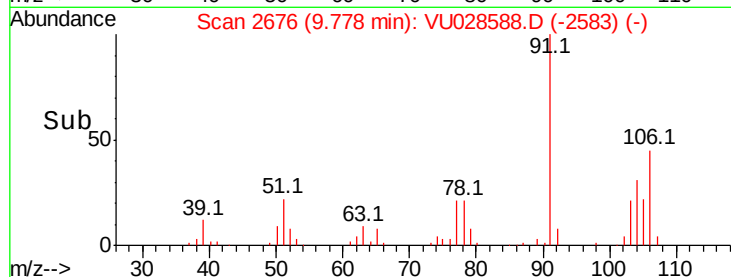
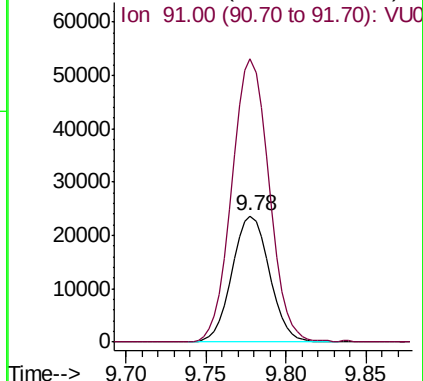
#69
o-Xylene
Concen: 20.457 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion:106 Resp: 37617
Ion Ratio Lower Upper
106 100
91 223.3 111.3 334.0

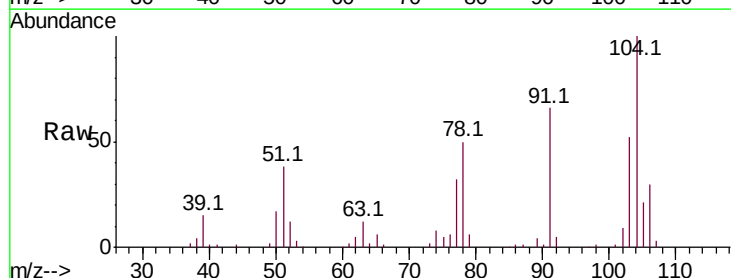


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

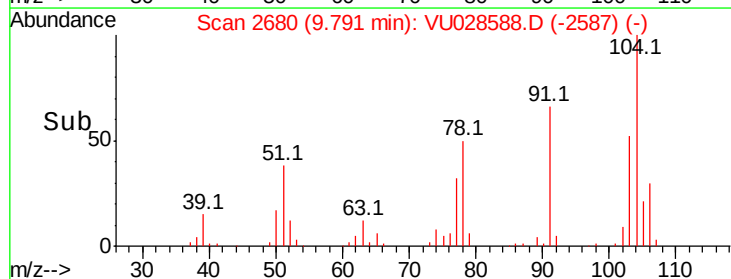
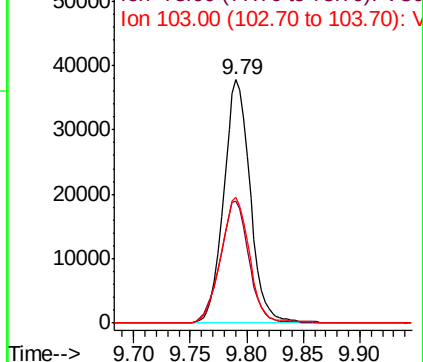


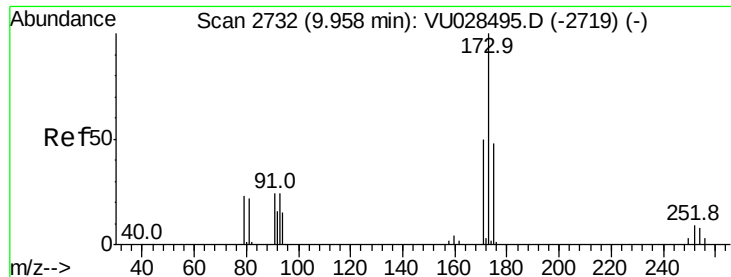
#70
Styrene
Concen: 20.245 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:104 Resp: 61609
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 55.8 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: 20.980 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

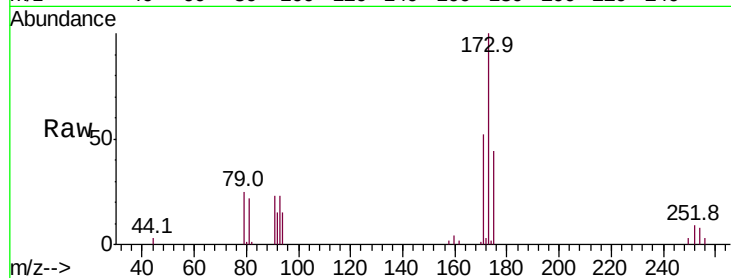
Tot Ion:173 Resp: 16122

Ion Ratio Lower Upper

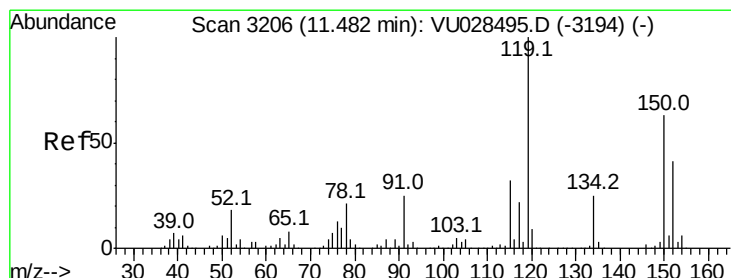
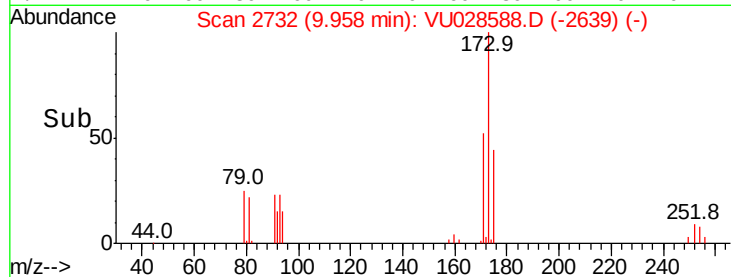
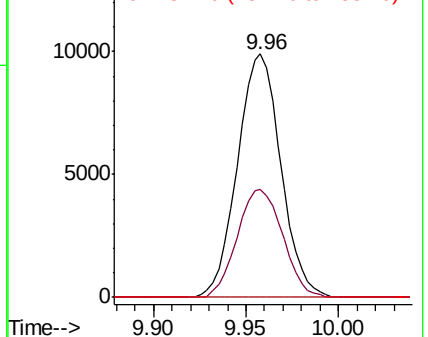
173 100

175 46.3 23.9 71.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

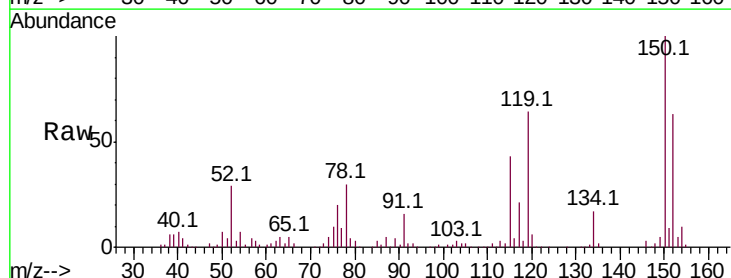
Tgt Ion:152 Resp: 62327

Ion Ratio Lower Upper

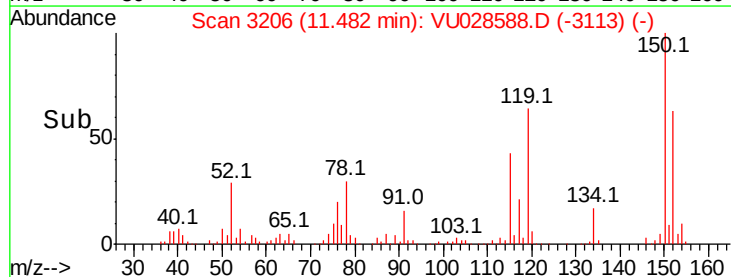
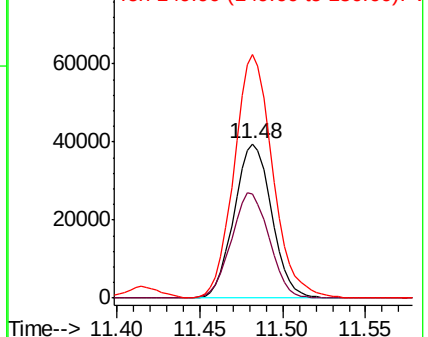
152 100

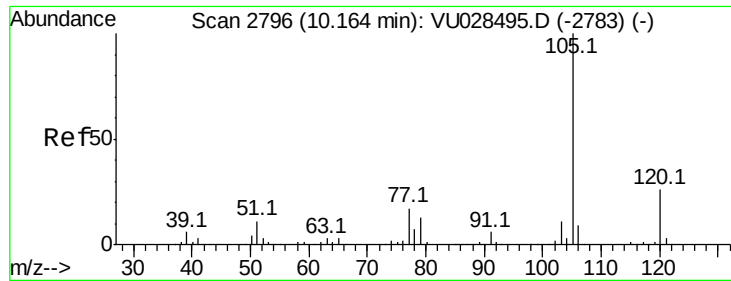
115 69.0 42.7 128.1

150 161.9 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: 20.469 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

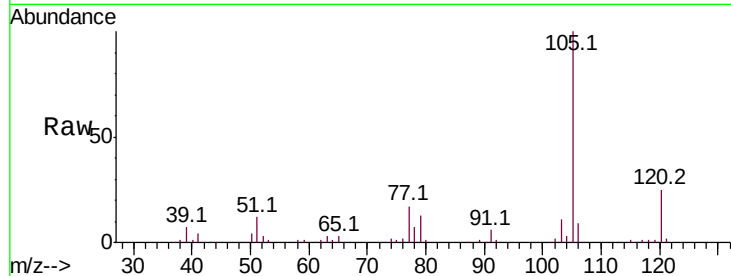
VU1211WBSD02

Tot Ion:105 Resp: 97895

Ion Ratio Lower Upper

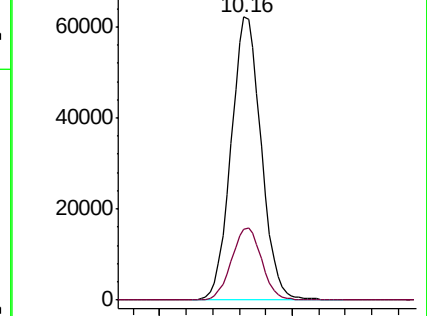
105 100

120 25.7 12.9 38.6

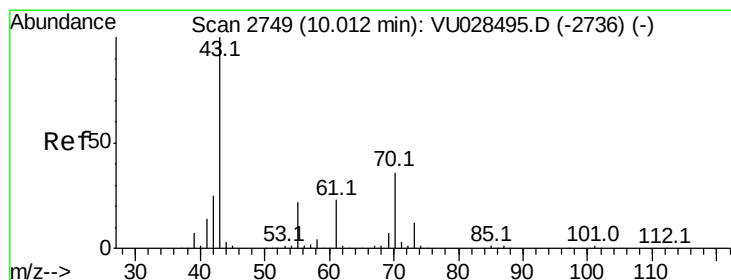
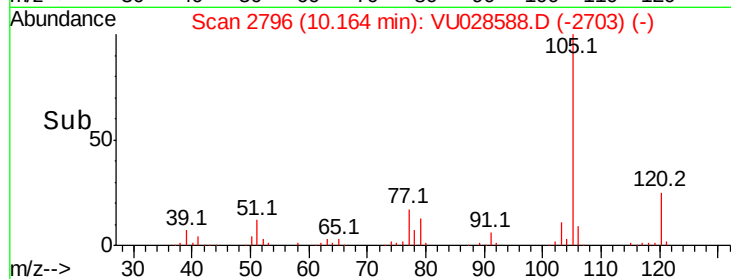


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 21.440 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Tgt Ion: 43 Resp: 59148

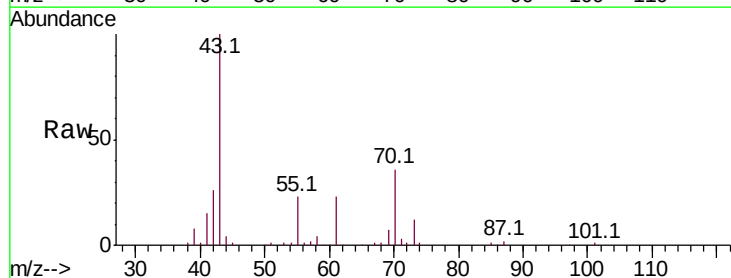
Ion Ratio Lower Upper

43 100

70 37.3 29.3 43.9

55 23.1 18.0 27.0

61 22.4 18.3 27.5

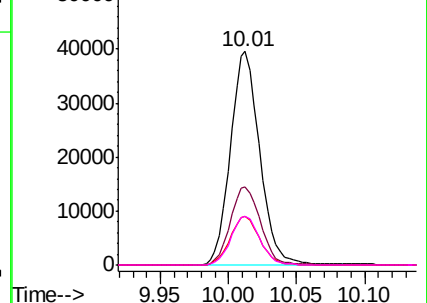


Abundance Ion 43.00 (42.70 to 43.70): VU0

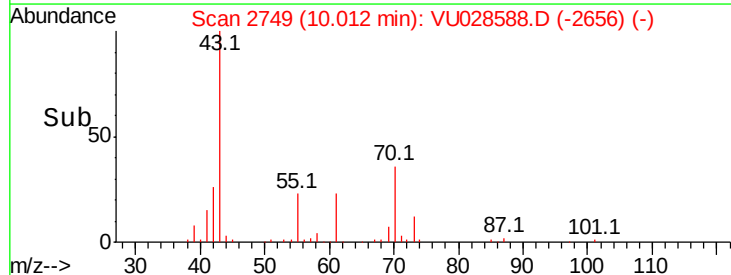
Ion 70.00 (69.70 to 70.70): VU0

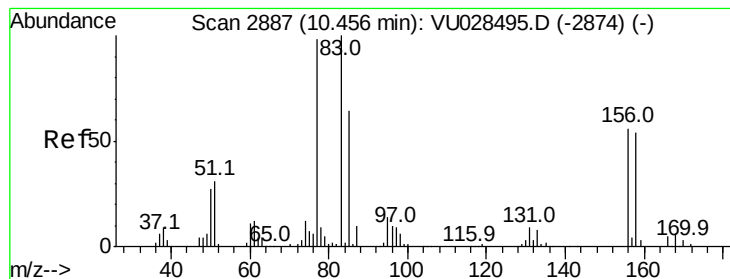
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.524 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

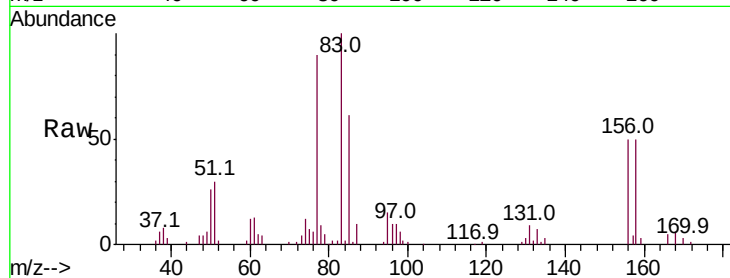
Tot Ion: 83 Resp: 41381

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

85 62.7 31.8 95.4

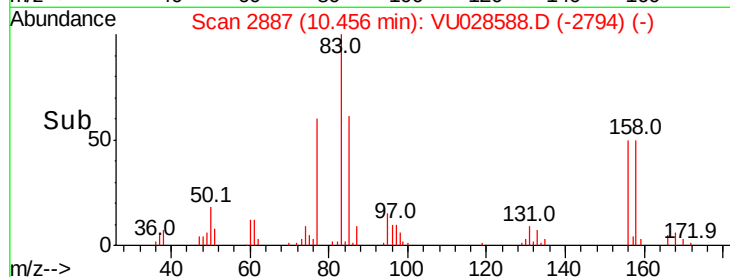


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

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

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

Time-->



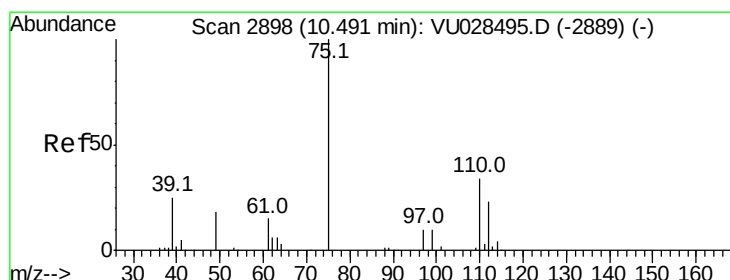
Abundance

Ion 82.90 (82.60 to 83.60): 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-->



#76

1,2,3-Trichloropropane

Concen: 29.815 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028588.D

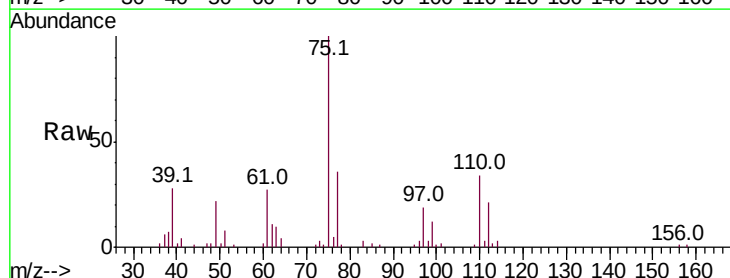
Acq: 11 Dec 2018 06:53

Tgt Ion: 75 Resp: 47451

Ion Ratio Lower Upper

75 100

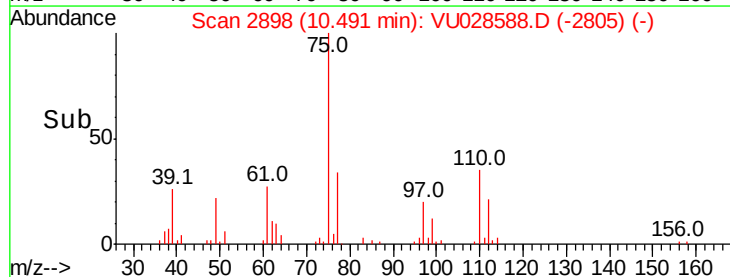
77 31.2 20.8 62.4



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

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

Time-->

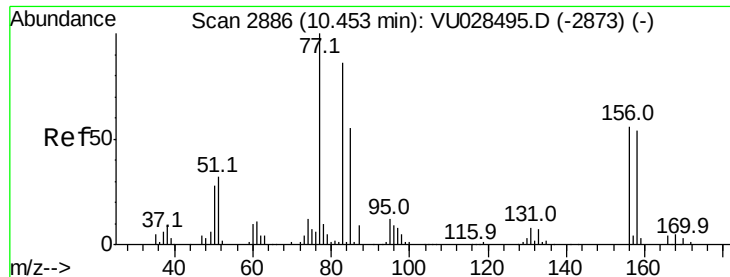


Abundance

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

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

Time-->



#77

Bromobenzene

Concen: 20.901 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

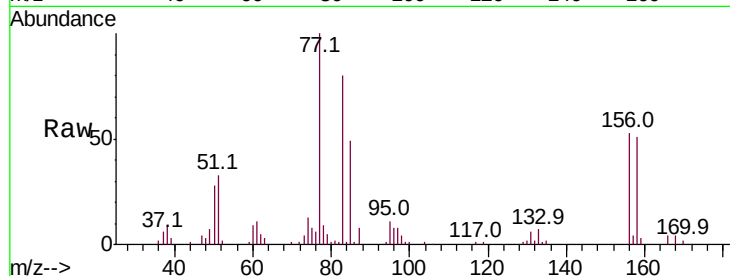
Tot Ion:156 Resp: 23378

Ion Ratio Lower Upper

156 100

77 183.3 92.4 277.2

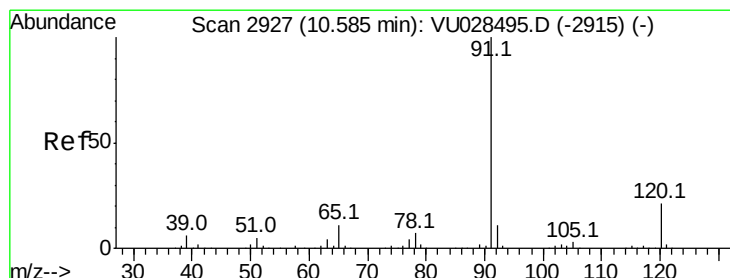
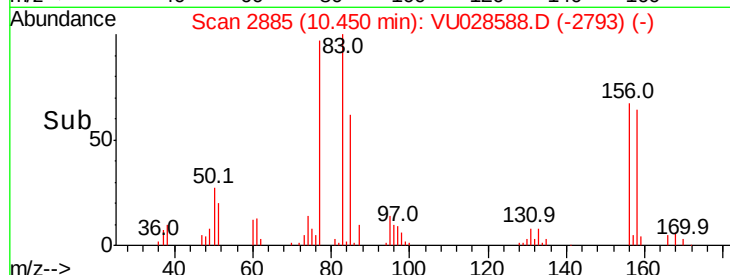
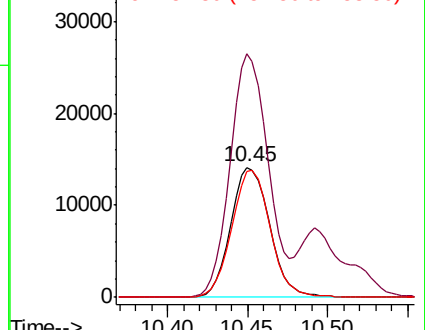
158 96.5 48.4 145.3



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: 20.195 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028588.D

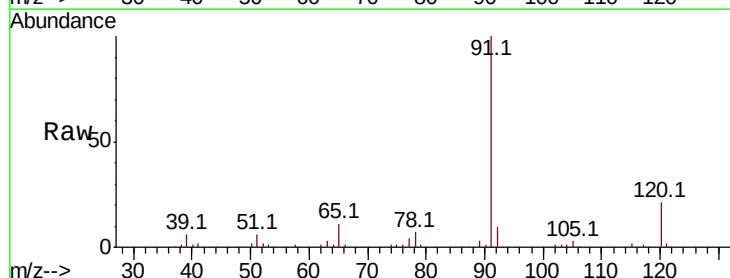
Acq: 11 Dec 2018 06:53

Tgt Ion: 91 Resp: 120013

Ion Ratio Lower Upper

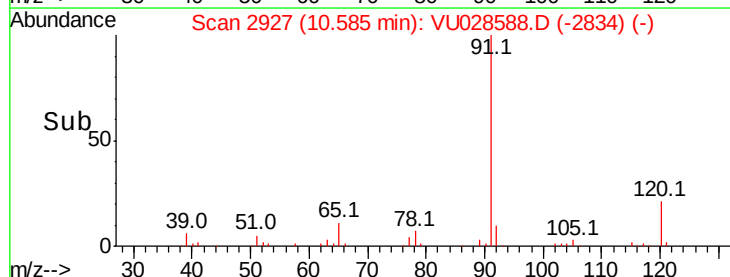
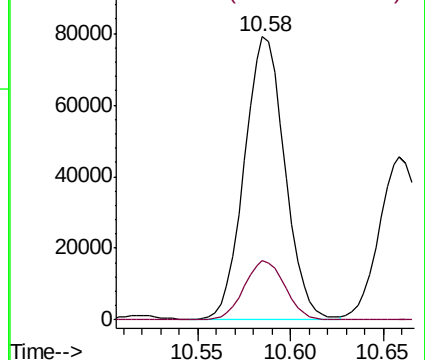
91 100

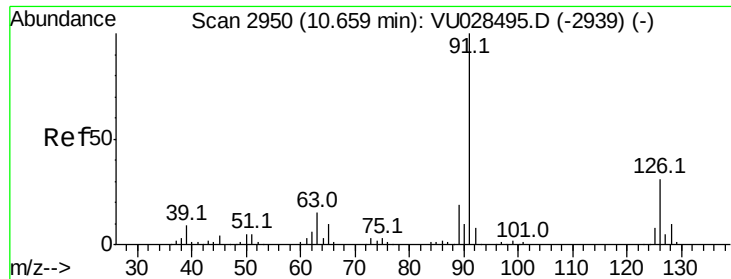
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

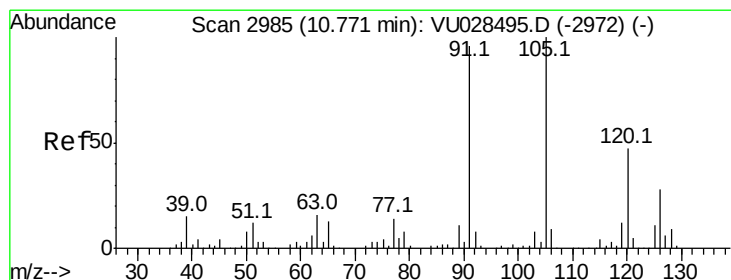
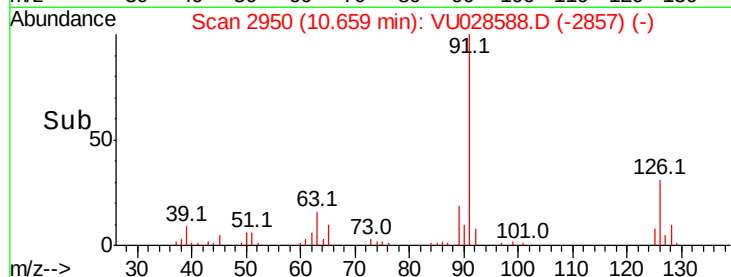
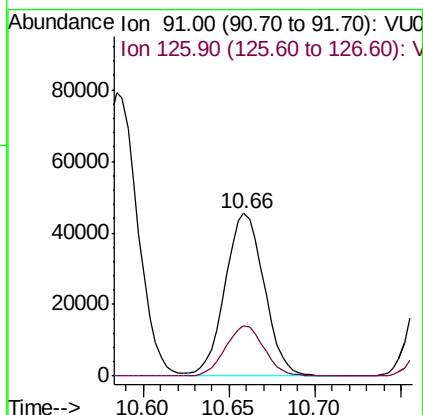
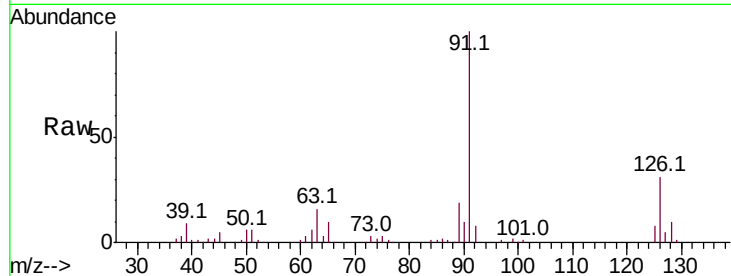




#79
2-Chlorotoluene
Concen: 20.812 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

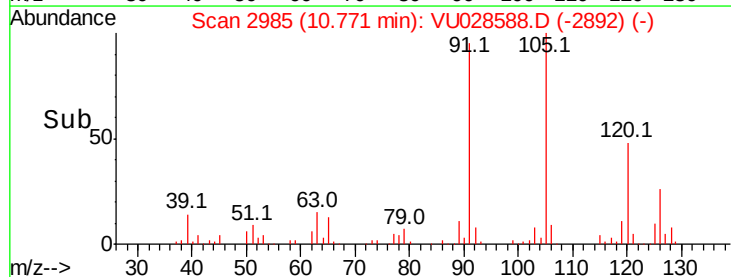
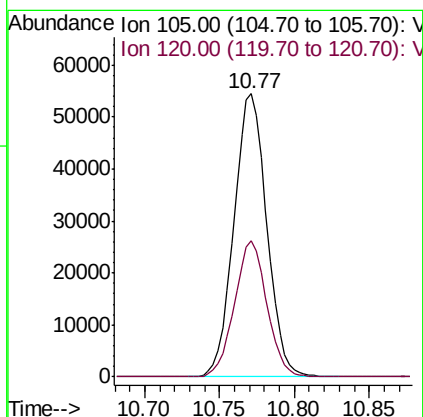
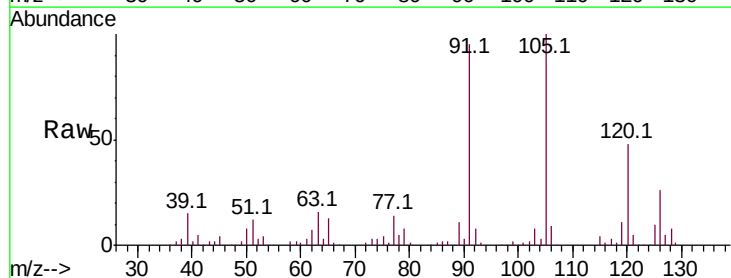
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

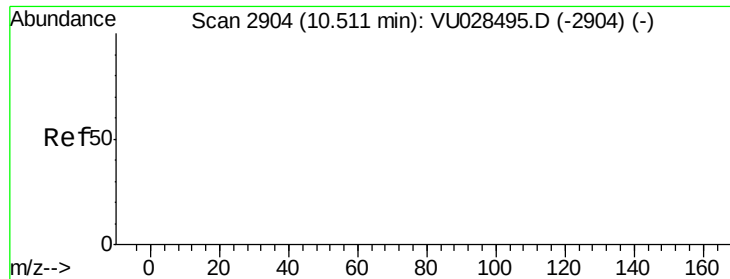
Tot Ion: 91 Resp: 71243
Ion Ratio Lower Upper
91 100
126 31.2 15.6 46.8



#80
1,3,5-Trimethylbenzene
Concen: 20.992 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 105 Resp: 83103
Ion Ratio Lower Upper
105 100
120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 73.060 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028588.D

Acq: 11 Dec 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

VU1211WBSD02

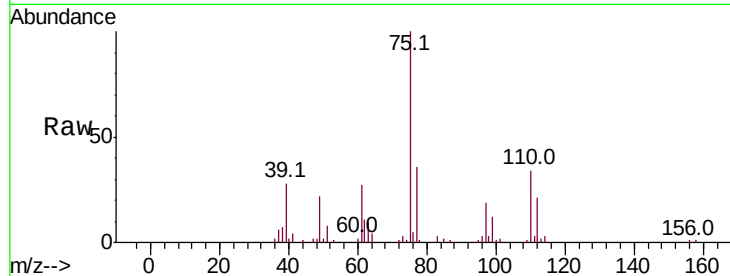
Tot Ion: 75 Resp: 47451

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

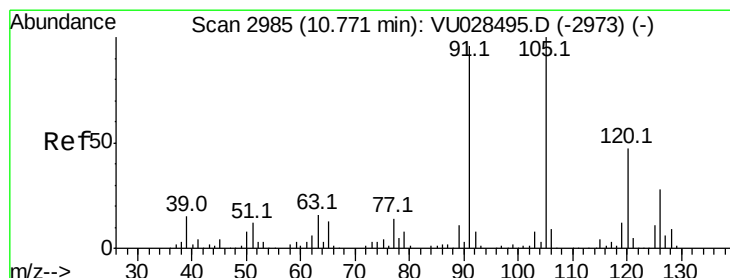
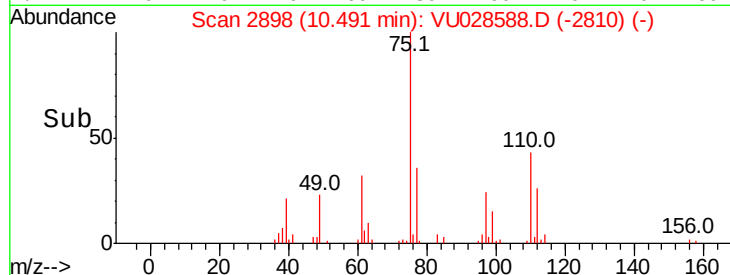
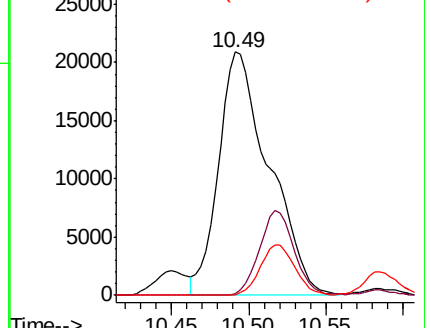
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 19.808 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028588.D

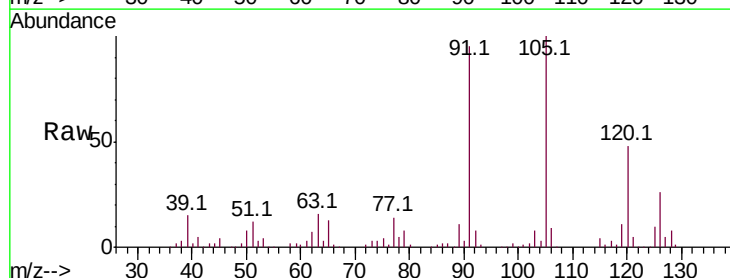
Acq: 11 Dec 2018 06:53

Tgt Ion: 91 Resp: 80353

Ion Ratio Lower Upper

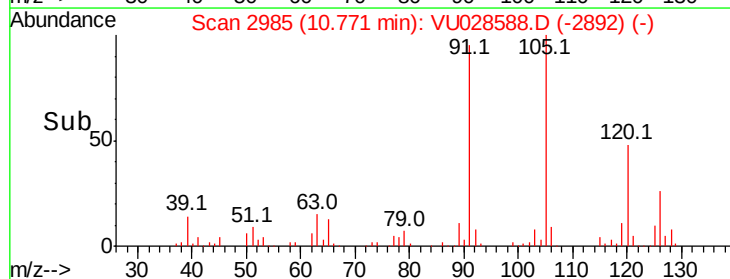
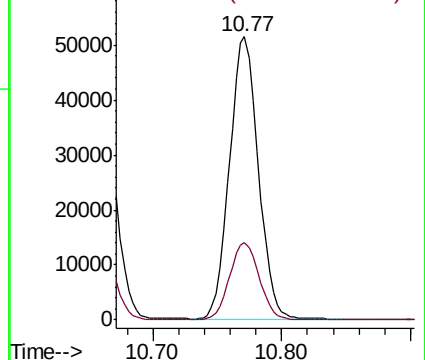
91 100

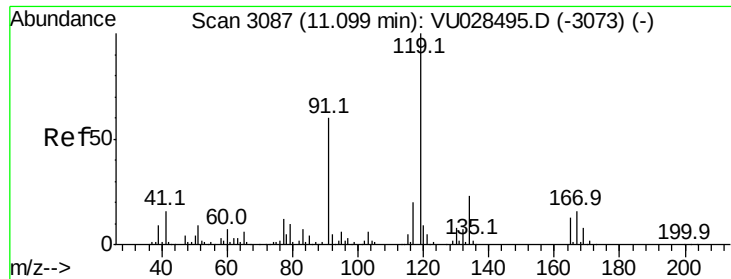
126 27.9 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

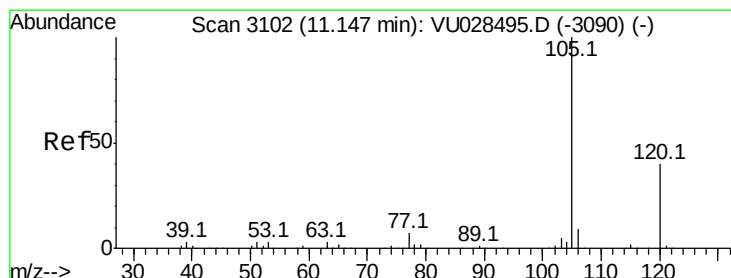
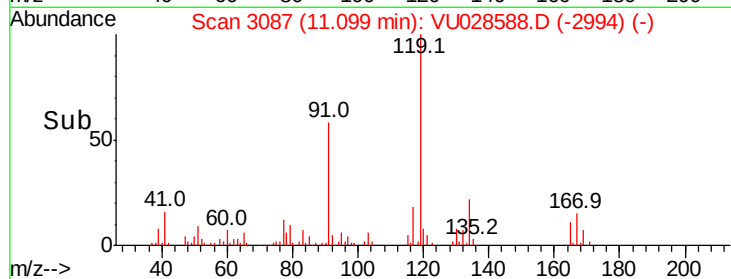
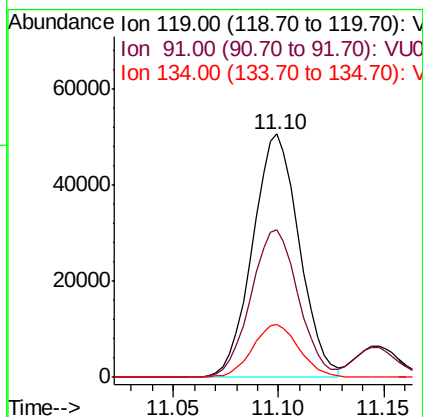
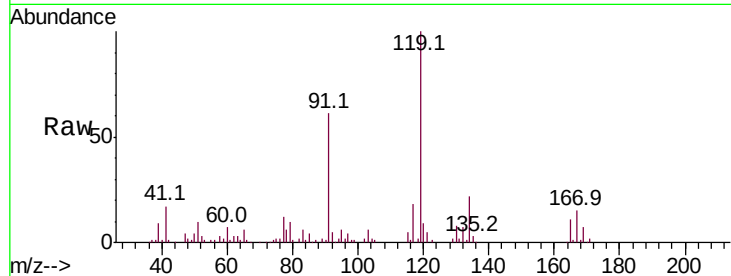




#83
tert-Butylbenzene
Concen: 20.433 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

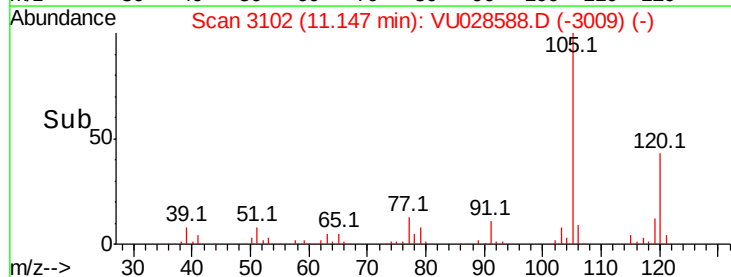
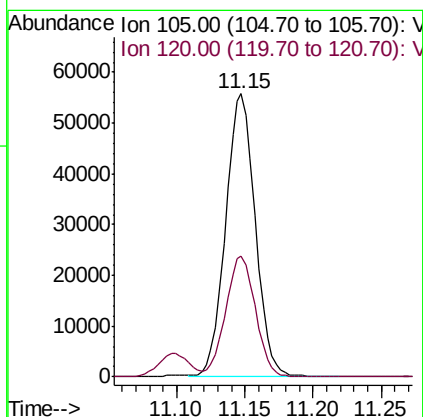
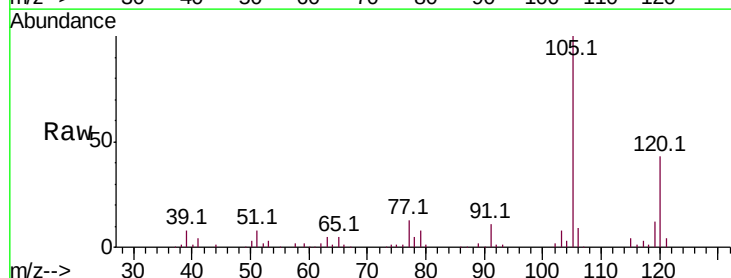
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

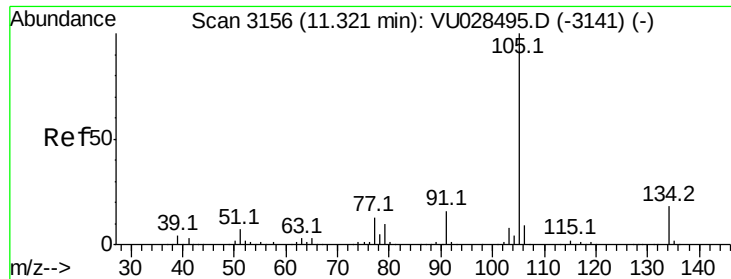
Tot Ion:119 Resp: 77967
Ion Ratio Lower Upper
119 100
91 62.0 30.3 91.0
134 21.7 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 20.634 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:105 Resp: 84187
Ion Ratio Lower Upper
105 100
120 42.9 21.8 65.4

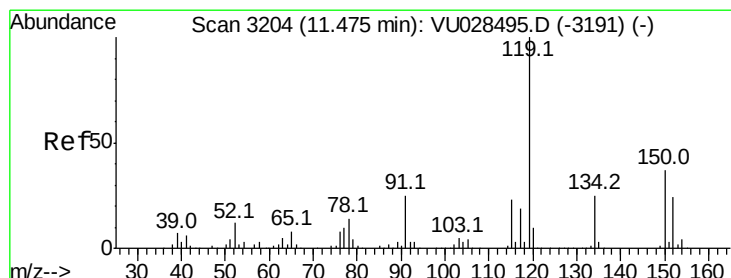
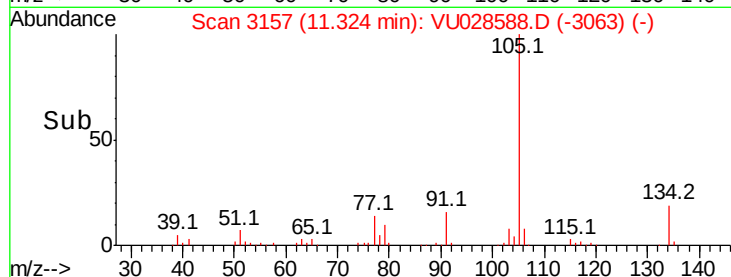
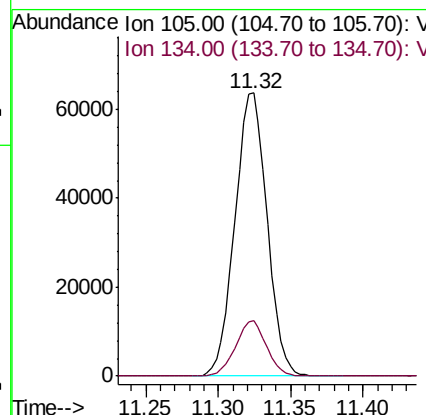
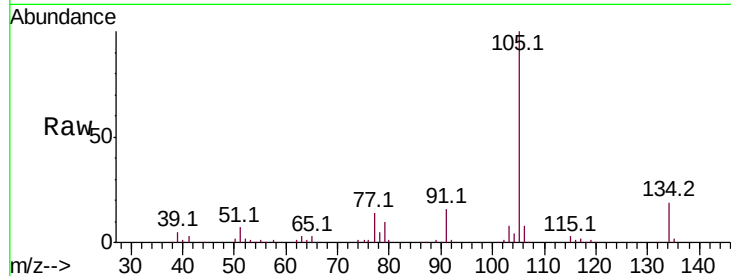




#85
 sec-Butylbenzene
 Concen: 20.033 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

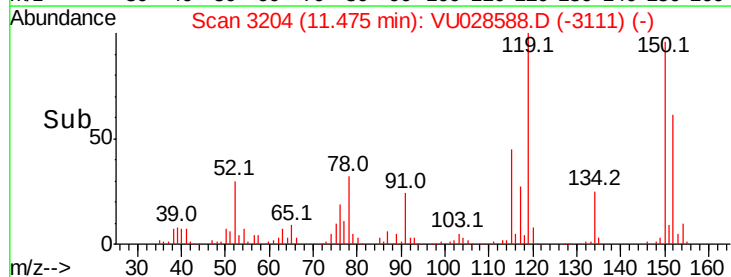
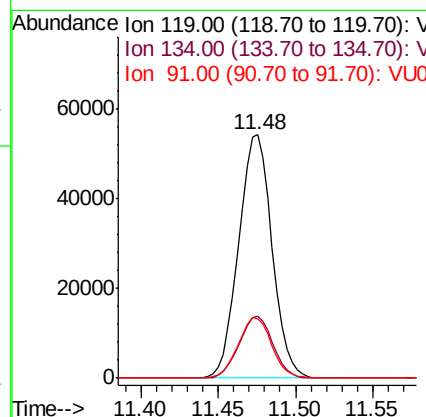
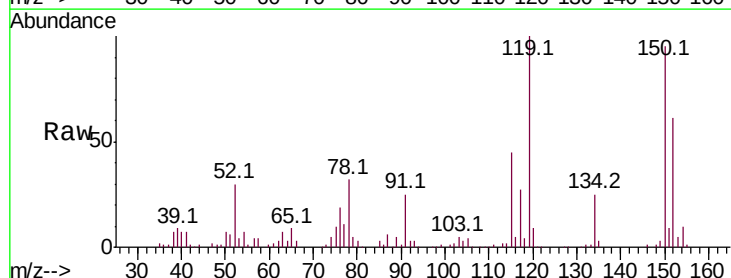
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

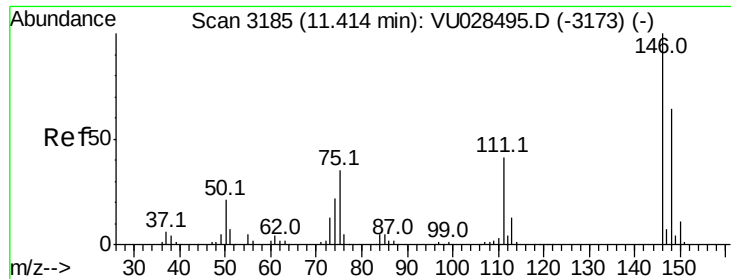
Tot Ion:105 Resp: 98201
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 19.527 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion:119 Resp: 81315
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.1
 91 24.9 12.6 37.6

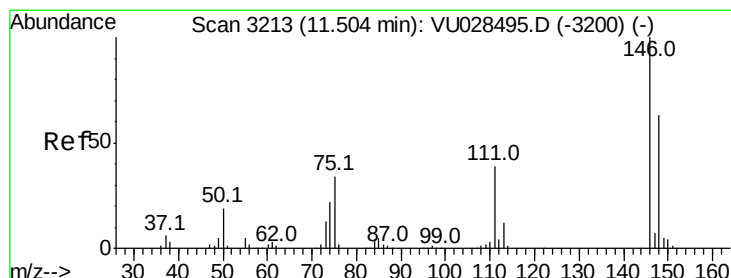
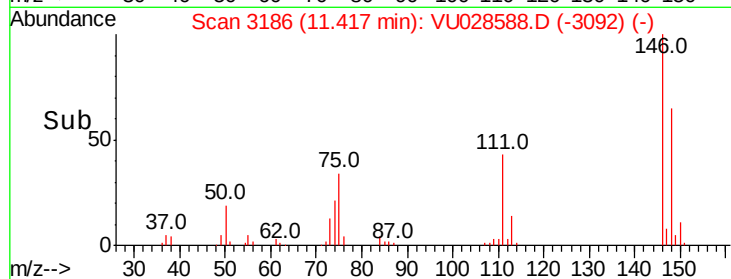
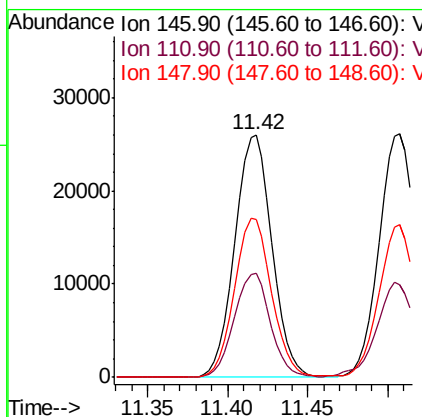
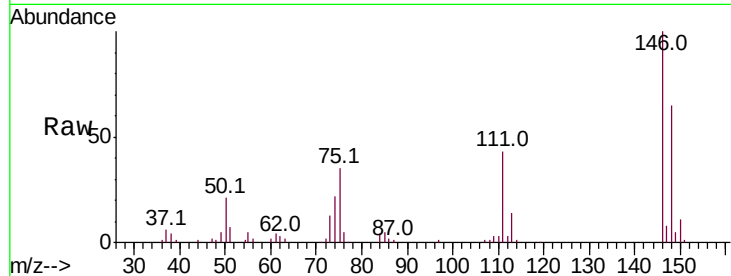




#87
 1,3-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

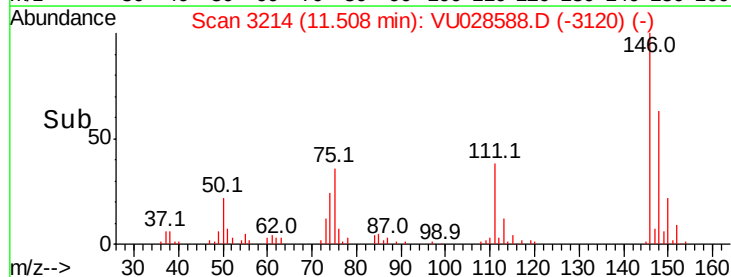
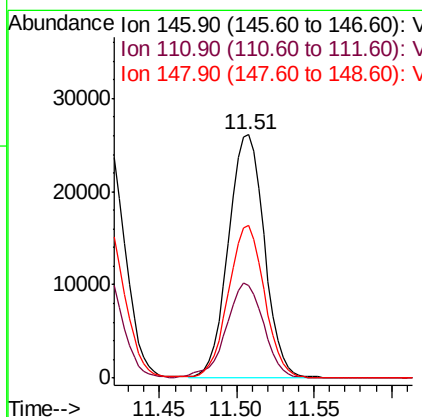
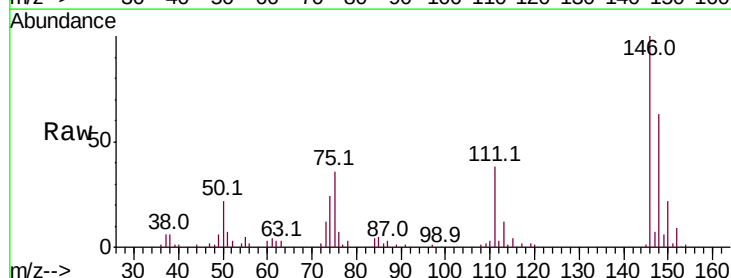
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

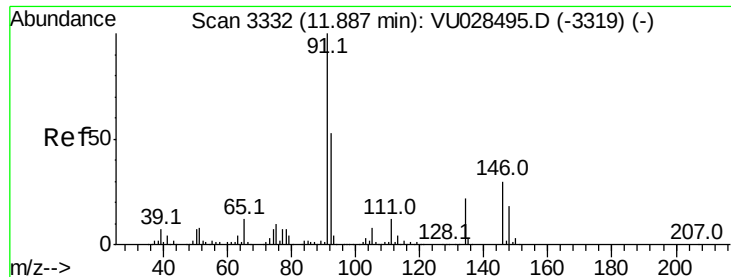
Tot Ion:146 Resp: 41124
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.7 62.1
 148 65.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.291 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion:146 Resp: 42154
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.2 60.5
 148 63.1 31.6 95.0

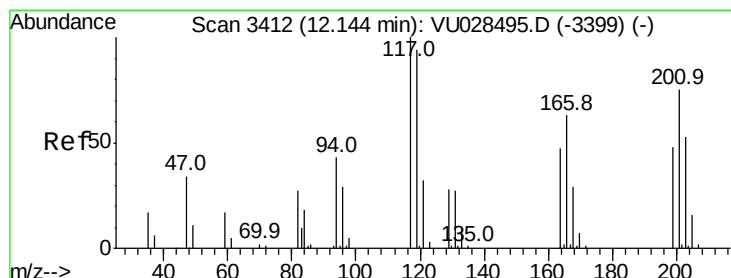
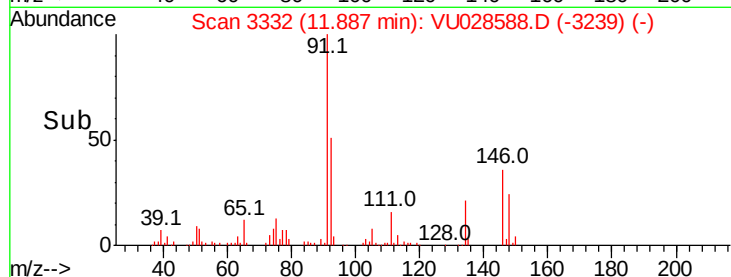
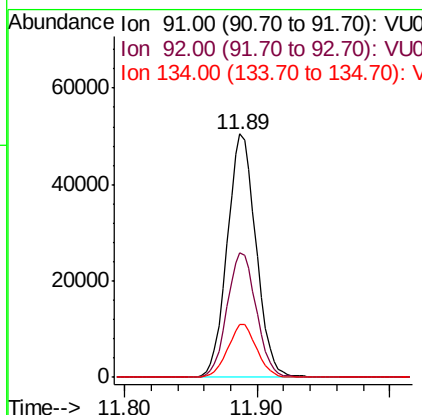
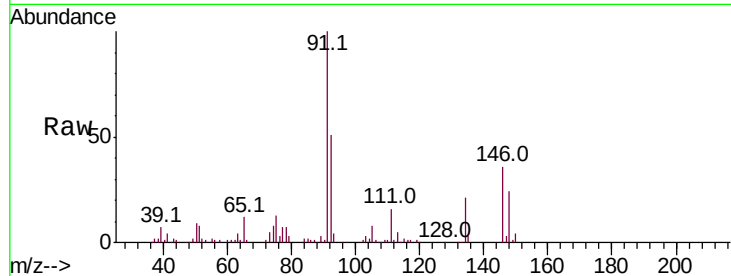




#89
n-Butylbenzene
Concen: 18.111 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

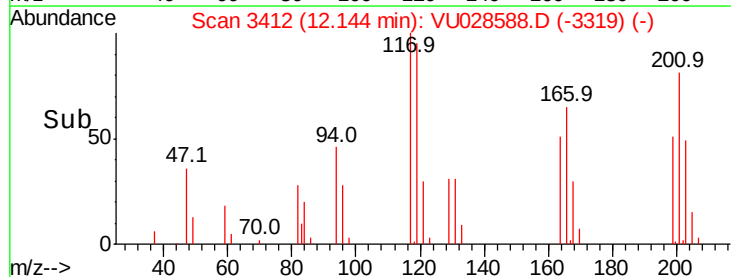
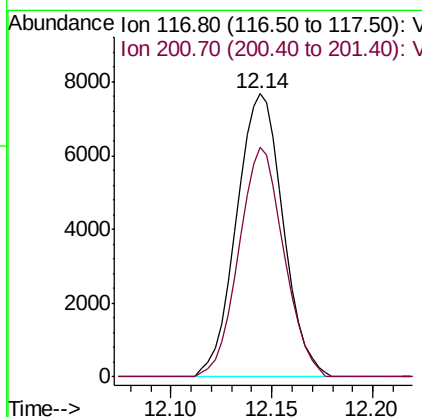
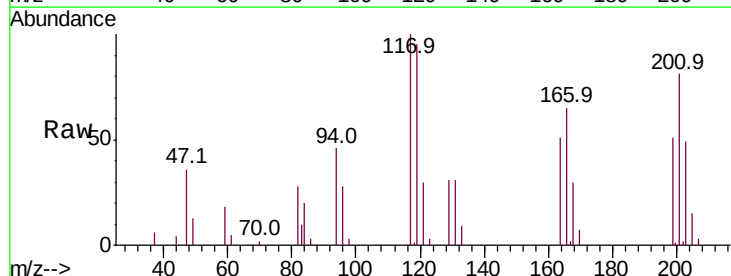
Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

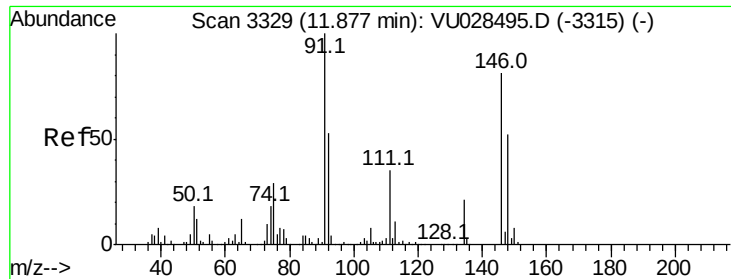
Tot Ion: 91 Resp: 76324
Ion Ratio Lower Upper
91 100
92 51.7 26.3 78.9
134 21.7 11.3 33.8



#90
Hexachloroethane
Concen: 19.728 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion: 117 Resp: 12417
Ion Ratio Lower Upper
117 100
201 78.4 38.1 114.5

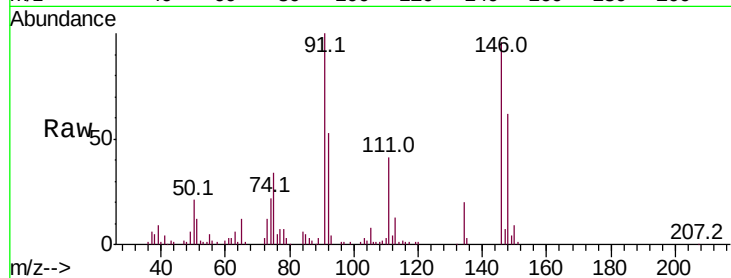




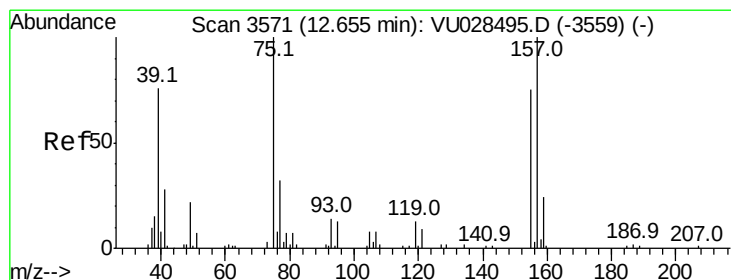
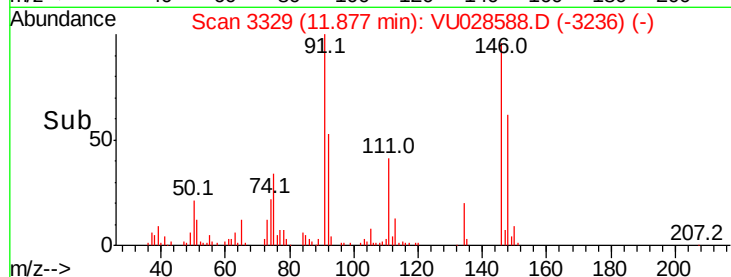
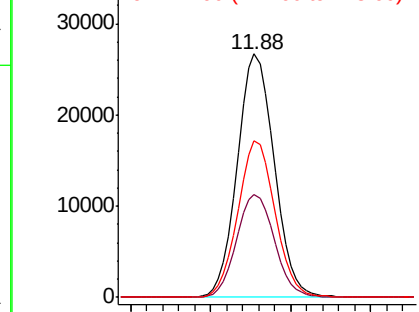
#91
 1,2-Dichlorobenzene
 Concen: 19.843 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion:146 Resp: 41922
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.1 63.4
 148 64.6 31.4 94.2

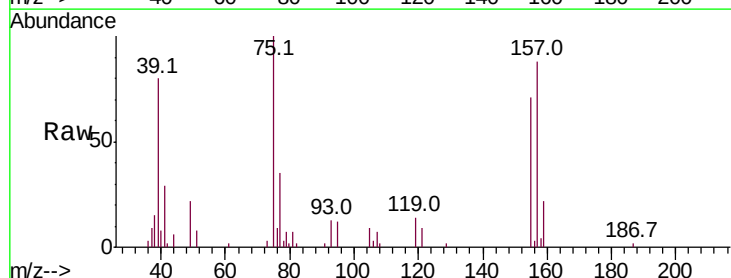


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

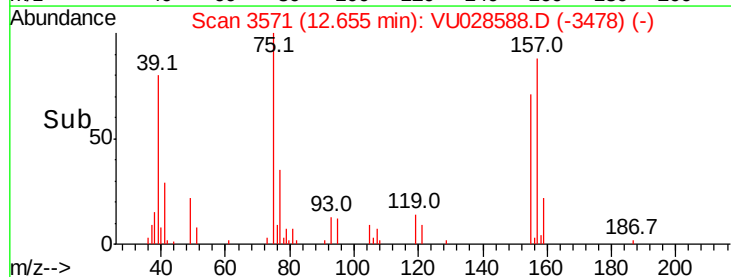
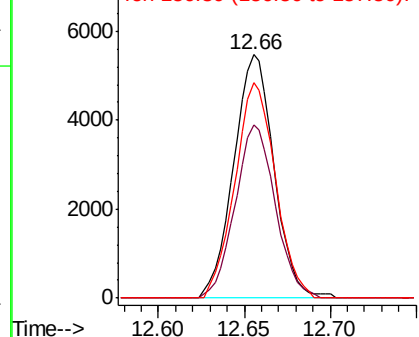


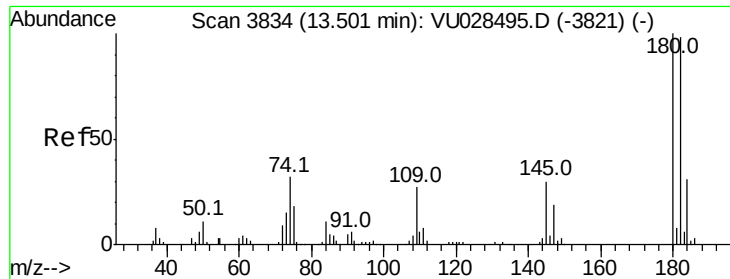
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.446 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion: 75 Resp: 8928
 Ion Ratio Lower Upper
 75 100
 155 70.7 38.1 114.5
 157 88.5 48.7 146.1



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

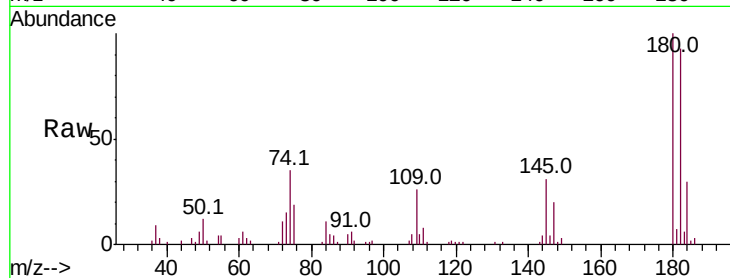




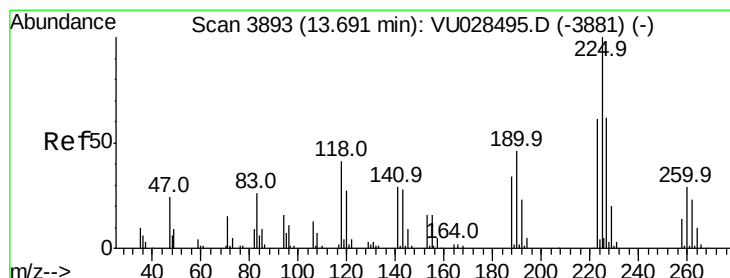
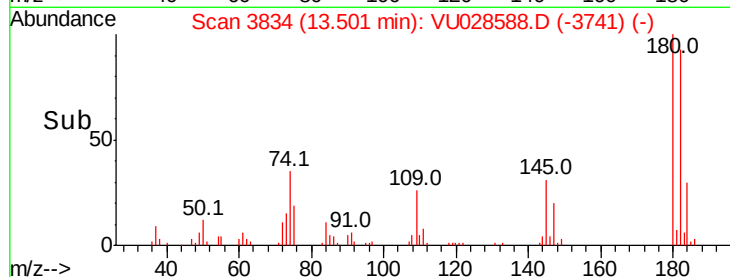
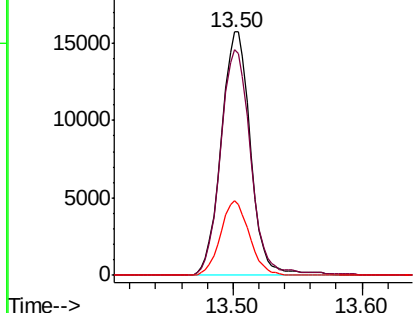
#93
 1,2,4-Trichlorobenzene
 Concen: 17.658 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1211WBSD02

Tot Ion:180 Resp: 24829
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.8
 145 29.9 15.0 45.1

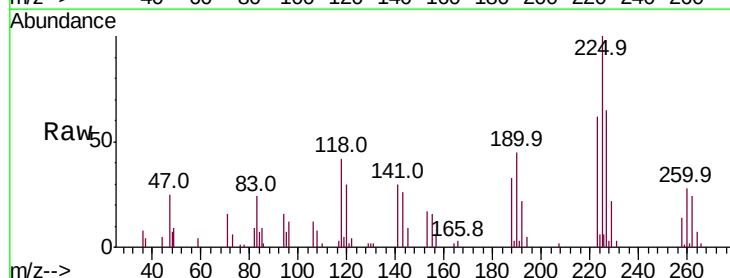


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

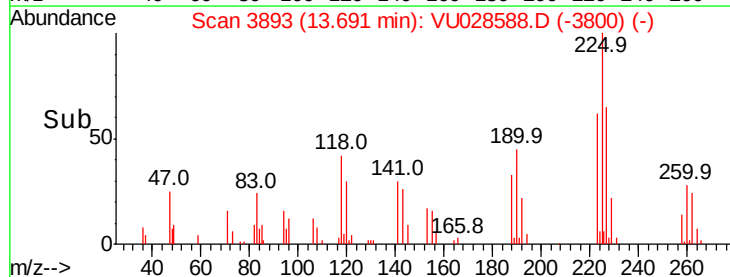
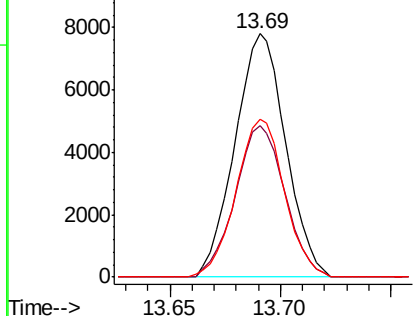


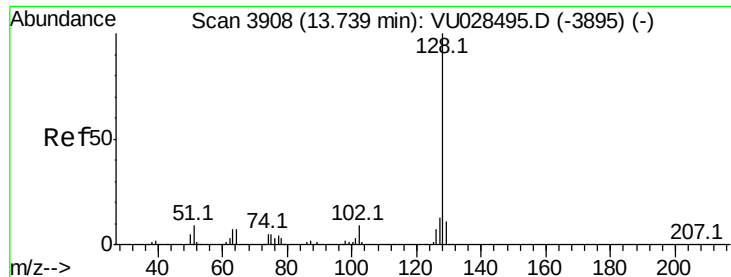
#94
 Hexachlorobutadiene
 Concen: 17.975 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028588.D
 Acq: 11 Dec 2018 06:53

Tgt Ion:225 Resp: 12439
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.4 91.2
 227 62.2 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

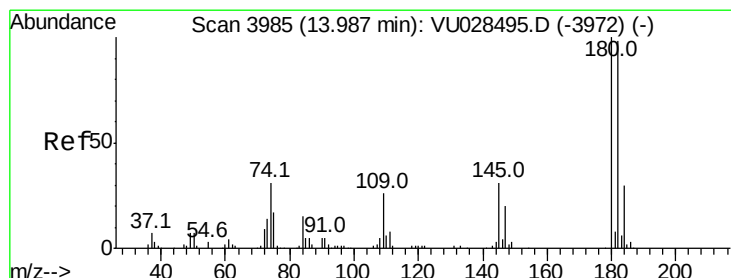
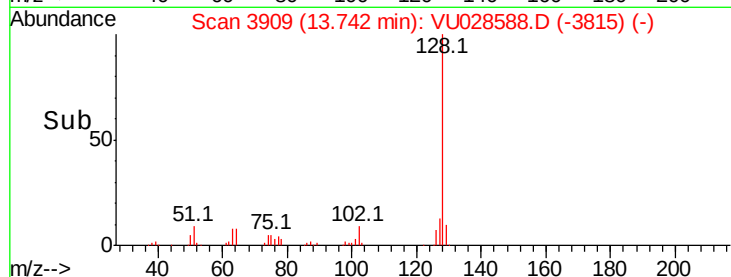
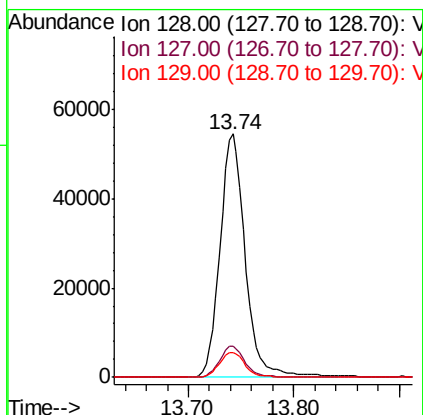
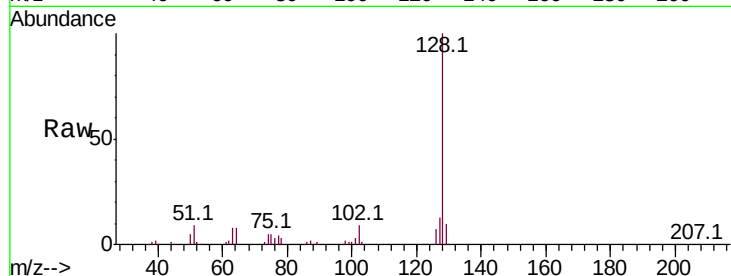




#95
Naphthalene
Concen: 17.815 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
VU1211WBSD02

Tot Ion:128 Resp: 90316
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.639 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028588.D
Acq: 11 Dec 2018 06:53

Tgt Ion:180 Resp: 26797
Ion Ratio Lower Upper
180 100
182 93.4 48.2 144.6
145 29.8 15.8 47.3

