

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112918\
 Data File : VU028395.D
 Acq On : 29 Nov 2018 15:47
 Operator : MD/SY
 Sample : VU1129WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:03:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	244854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	445748	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	418312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	205446	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	214170	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	4.88	113	148064	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	7.57	98	601697	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	10.30	95	222236	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	66222	20.161	ug/l	99
3) Chloromethane	1.33	50	120379	18.907	ug/l	100
4) Vinyl Chloride	1.40	62	91050	20.440	ug/l	99
5) Bromomethane	1.63	94	30088	17.464	ug/l	99
6) Chloroethane	1.70	64	51653	20.151	ug/l	94
7) Trichlorofluoromethane	1.89	101	95155	20.565	ug/l	99
8) Diethyl Ether	2.10	74	42501	19.759	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	57067	21.172	ug/l	99
10) Methyl Iodide	2.41	142	48540	19.097	ug/l	98
11) Tert butyl alcohol	2.82	59	84027	90.385	ug/l	99
12) 1,1-Dichloroethene	2.29	96	54436	20.811	ug/l	95
13) Acrolein	2.20	56	71132	86.066	ug/l	98
14) Allyl chloride	2.59	41	130327	19.070	ug/l	99
15) Acrylonitrile	2.94	53	255050	103.716	ug/l	98
16) Acetone	2.32	43	208153	83.153	ug/l	99
17) Carbon Disulfide	2.48	76	190099	18.934	ug/l	99
18) Methyl Acetate	2.62	43	137873	19.782	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	218873	20.409	ug/l	100
20) Methylene Chloride	2.70	84	70247	19.851	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	62295	20.535	ug/l	99
22) Diisopropyl ether	3.57	45	275660	20.487	ug/l	95
23) Vinyl Acetate	3.53	43	1134633	101.450	ug/l	100
24) 1,1-Dichloroethane	3.45	63	137487	20.725	ug/l	100
25) 2-Butanone	4.26	43	341336	95.144	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97525	18.511	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	72451	20.194	ug/l	97
28) Bromochloromethane	4.55	49	70233	21.173	ug/l	98
29) Tetrahydrofuran	4.64	42	239097	102.648	ug/l	98
30) Chloroform	4.67	83	123730	20.207	ug/l	99
31) Cyclohexane	5.00	56	140757	20.441	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	99531	20.257	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95214	19.520	ug/l	99
37) Ethyl Acetate	4.38	43	132861	19.987	ug/l	99
38) Carbon Tetrachloride	5.13	117	78617	19.627	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	112089	19.491	ug/l	97
40) Benzene	5.39	78	290526	20.110	ug/l	97
41) Methacrylonitrile	4.54	41	73913	20.022	ug/l	97
42) 1,2-Dichloroethane	5.40	62	104159	20.014	ug/l	99
43) Isopropyl Acetate	5.55	43	213047	20.225	ug/l	99
44) Trichloroethene	6.19	130	60645	19.584	ug/l	99
45) 1,2-Dichloropropane	6.43	63	84163	19.894	ug/l	99
46) Dibromomethane	6.56	93	48301	19.876	ug/l	99
47) Bromodichloromethane	6.76	83	95482	19.754	ug/l	93
48) Methyl methacrylate	6.62	41	106000	19.318	ug/l	100
49) 1,4-Dioxane	6.61	88	29033	331.216	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	661587	98.338	ug/l	99
52) Toluene	7.64	92	169518	20.377	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	110665	19.147	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	119168	19.246	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66782	19.288	ug/l	98
56) Ethyl methacrylate	8.02	69	115874	19.672	ug/l	98
57) 1,3-Dichloropropane	8.24	76	126365	19.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	299071	94.573	ug/l	100
59) 2-Hexanone	8.36	43	498056	95.573	ug/l	99
60) Dibromochloromethane	8.48	129	63617	19.320	ug/l	98
61) 1,2-Dibromoethane	8.58	107	71625	20.198	ug/l	100
64) Tetrachloroethene	8.23	164	52936	19.238	ug/l	98
65) Chlorobenzene	9.12	112	170370	19.614	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	57943	19.462	ug/l	98
67) Ethyl Benzene	9.25	91	321343	19.643	ug/l	100
68) m/p-Xylenes	9.37	106	229676	39.006	ug/l	98
69) o-Xylene	9.78	106	112274	19.181	ug/l	99
70) Styrene	9.79	104	186861	19.794	ug/l	99
71) Bromoform	9.96	173	45597	18.220	ug/l #	95
73) Isopropylbenzene	10.17	105	302928	18.958	ug/l	98
74) N-amyl acetate	10.01	43	178885	17.868	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	119834	18.237	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	141311	24.804	ug/l	79
77) Bromobenzene	10.45	156	68061	18.077	ug/l	96
78) n-propylbenzene	10.58	91	377230	19.137	ug/l	99
79) 2-Chlorotoluene	10.66	91	220941	19.014	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	250377	18.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	141311	65.841	ug/l #	100
82) 4-Chlorotoluene	10.77	91	252005	18.823	ug/l	99
83) tert-Butylbenzene	11.10	119	235397	18.754	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	258826	18.978	ug/l	100
85) sec-Butylbenzene	11.32	105	306737	18.814	ug/l	100
86) p-Isopropyltoluene	11.47	119	254066	18.952	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	125703	18.305	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	129699	18.767	ug/l	99
89) n-Butylbenzene	11.89	91	256421	19.381	ug/l	100
90) Hexachloroethane	12.14	117	37918	18.118	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	126582	18.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24805	16.971	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

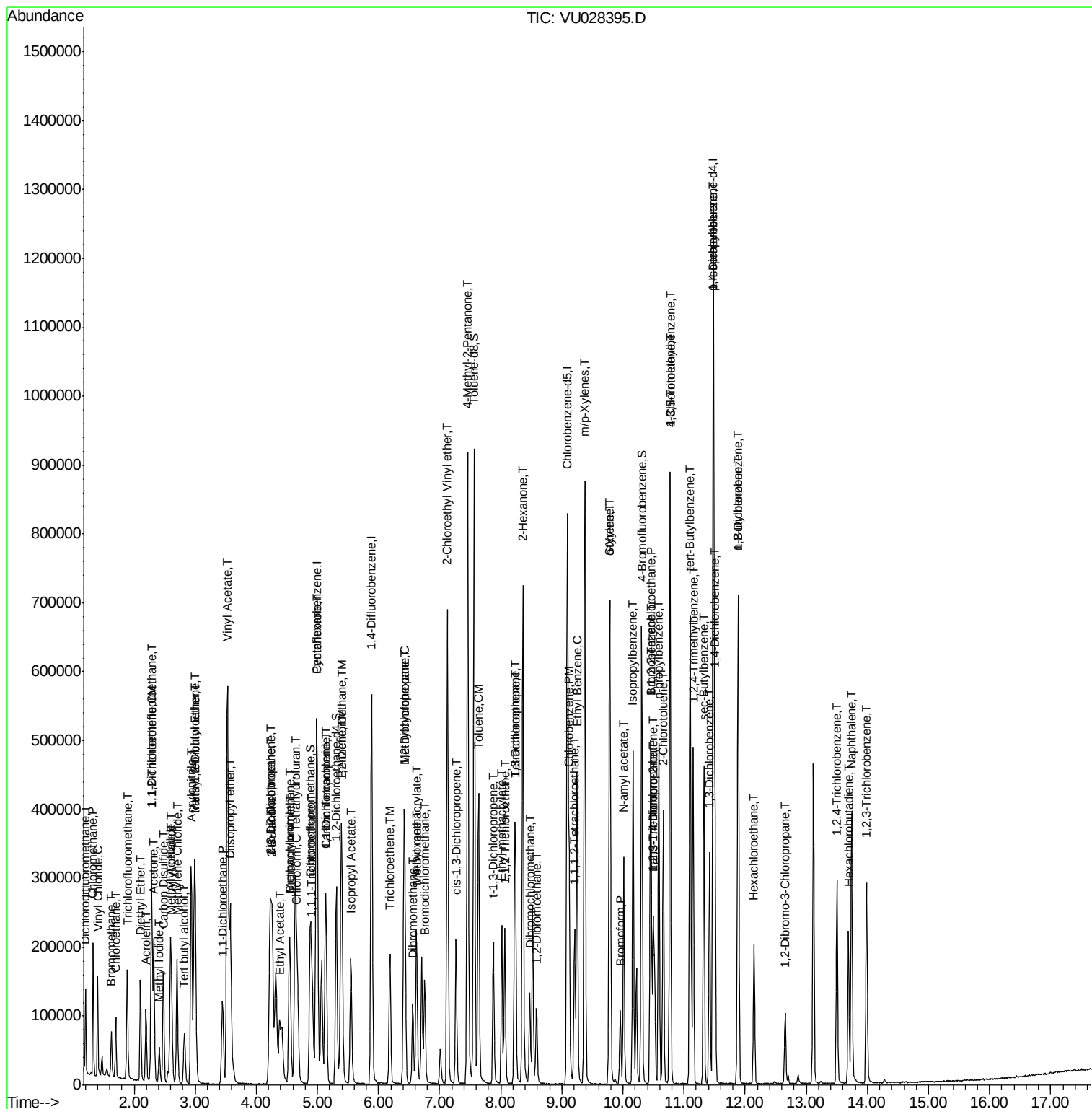
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85499	19.065	ug/l	99
94) Hexachlorobutadiene	13.69	225	39368	18.591	ug/l	97
95) Naphthalene	13.74	128	300504	19.229	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87040	19.190	ug/l	99

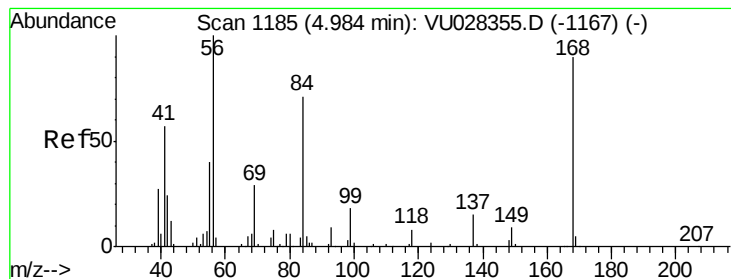
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112918\
 Data File : VU028395.D
 Acq On : 29 Nov 2018 15:47
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 ClientSampled :

Quant Time: Nov 30 07:03:40 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

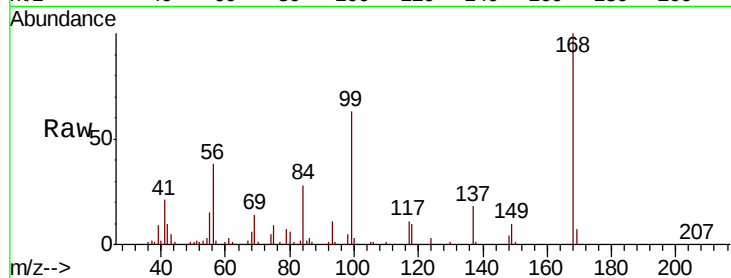
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 244854

Ion Ratio Lower Upper

168 100

99 62.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028395.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028395.D (-1167) (-)

4.98

120000

100000

80000

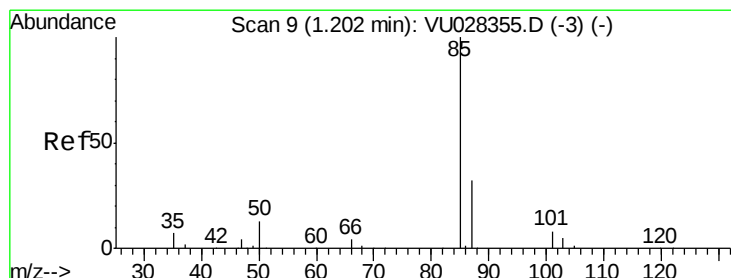
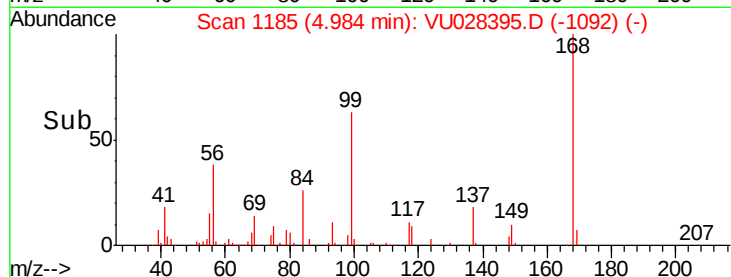
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.161 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028395.D

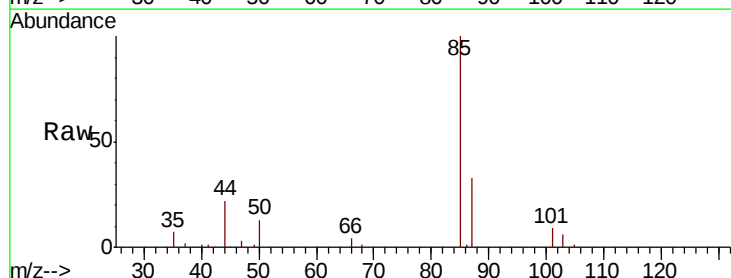
Acq: 29 Nov 2018 15:47

Tgt Ion: 85 Resp: 66222

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028395.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028395.D (-3) (-)

1.21

80000

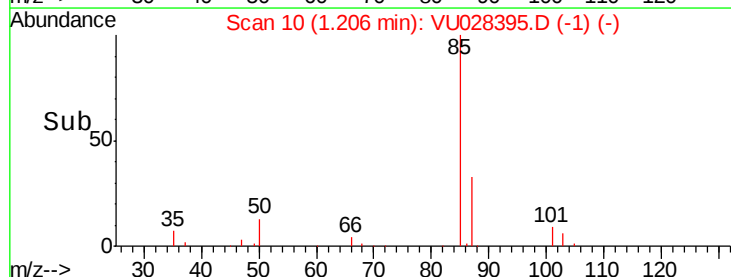
60000

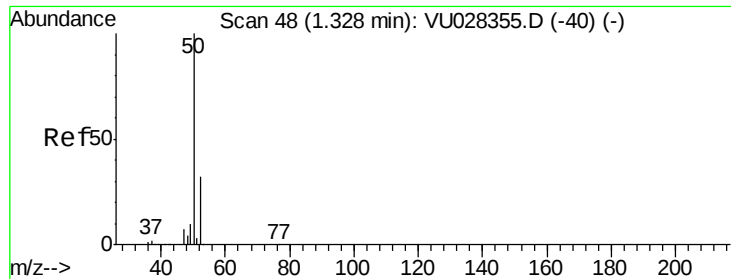
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.907 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

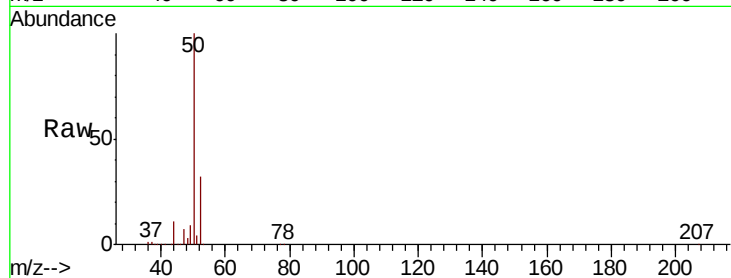
ClientSampleId :

Tot Ion: 50 Resp: 120379

Ion Ratio Lower Upper

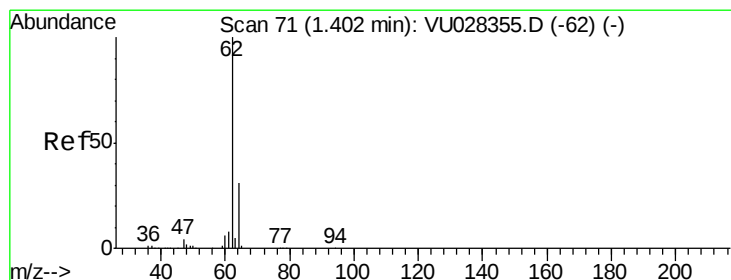
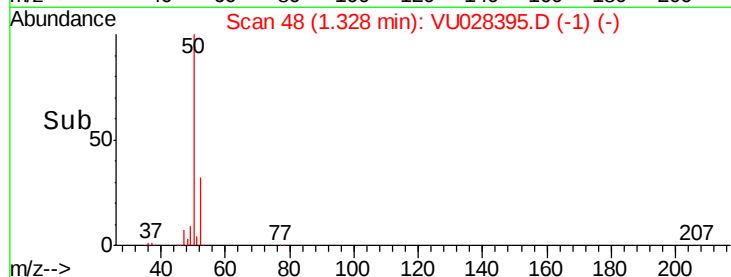
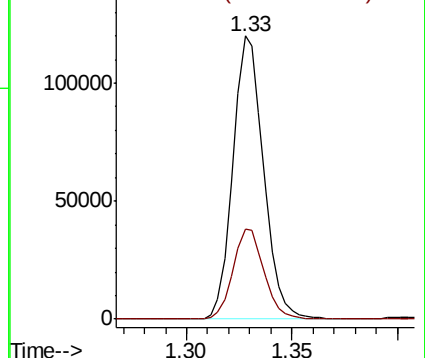
50 100

52 32.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.440 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028395.D

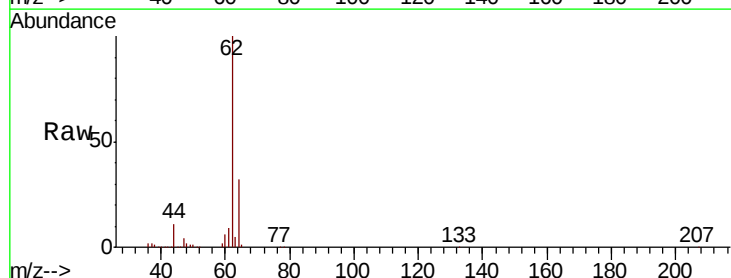
Acq: 29 Nov 2018 15:47

Tgt Ion: 62 Resp: 91050

Ion Ratio Lower Upper

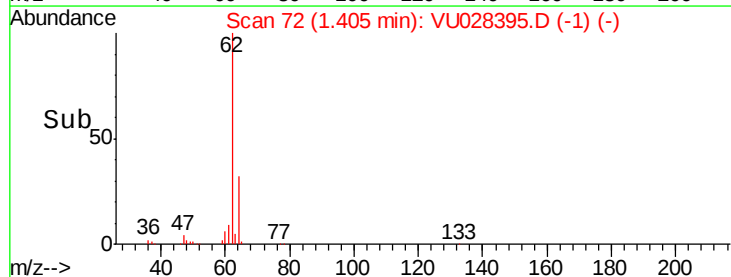
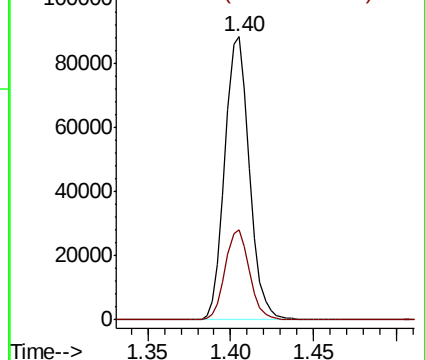
62 100

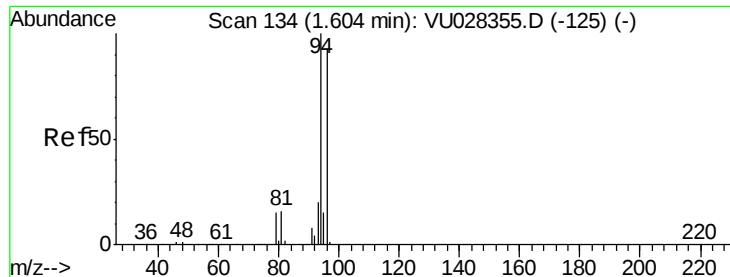
64 31.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 17.464 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

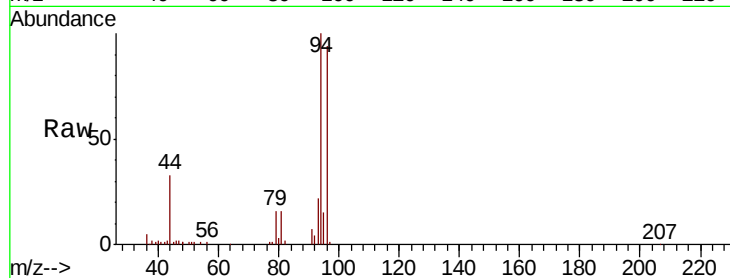
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 30088

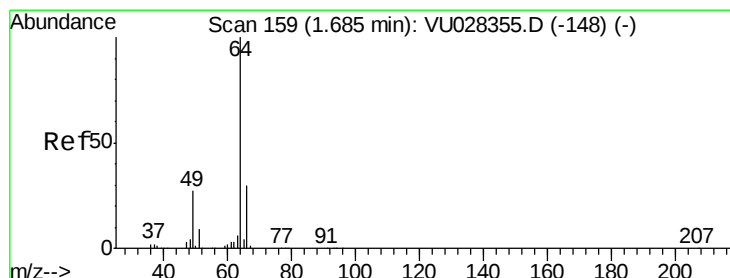
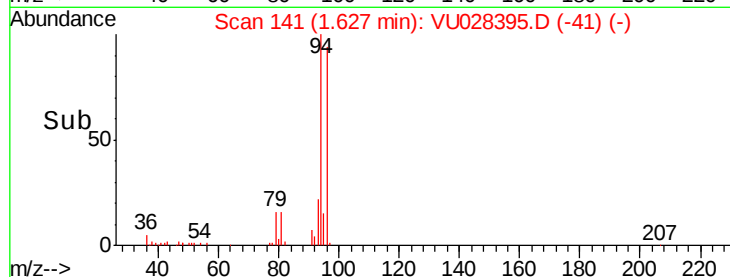
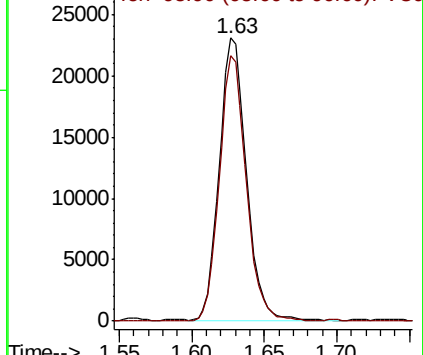
Ion Ratio Lower Upper

94 100

96 93.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0
Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.151 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028395.D

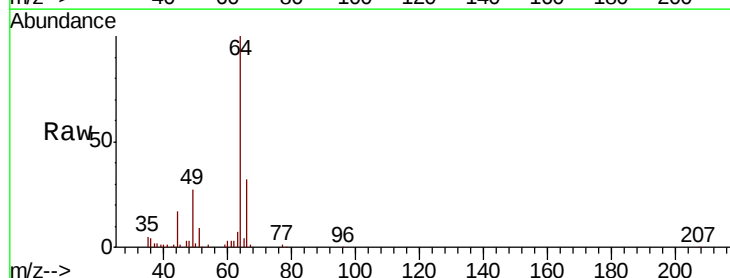
Acq: 29 Nov 2018 15:47

Tgt Ion: 64 Resp: 51653

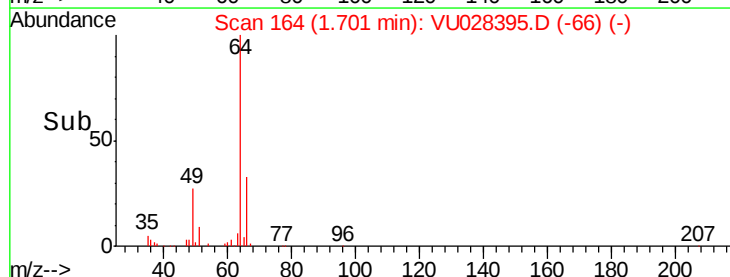
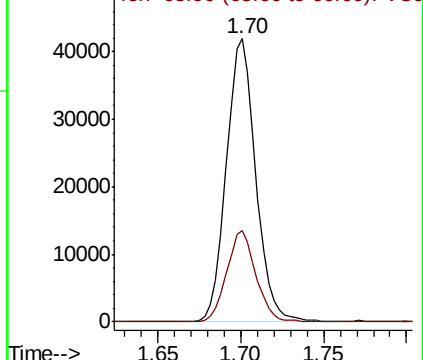
Ion Ratio Lower Upper

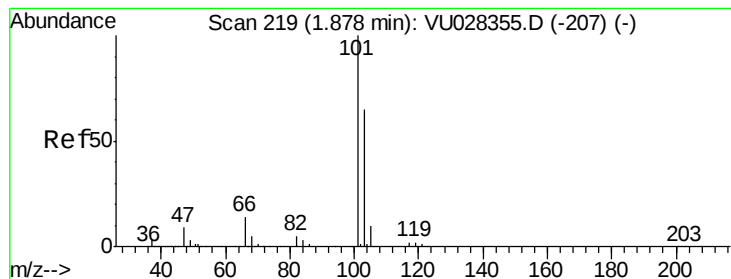
64 100

66 32.5 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



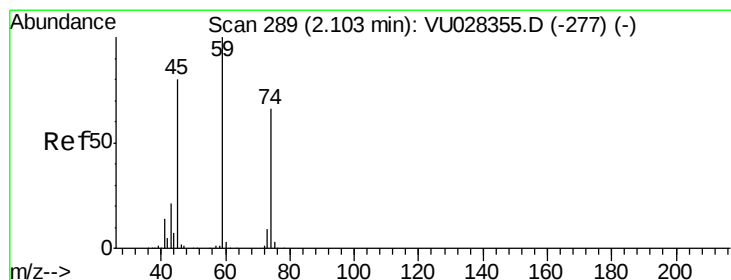
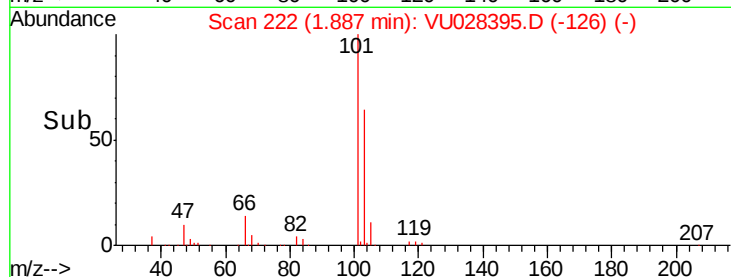
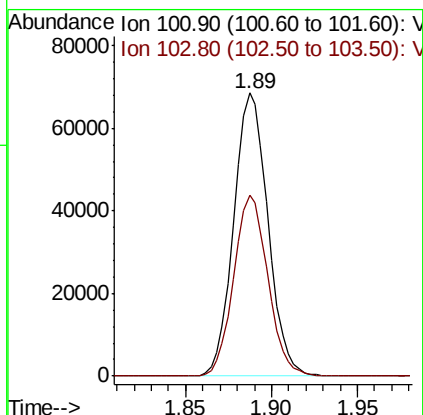
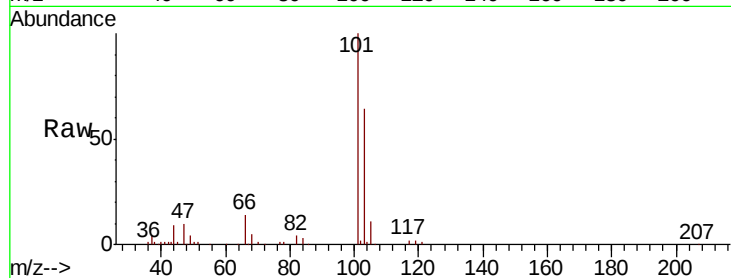


#7

Trichlorofluoromethane
 Concen: 20.565 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :

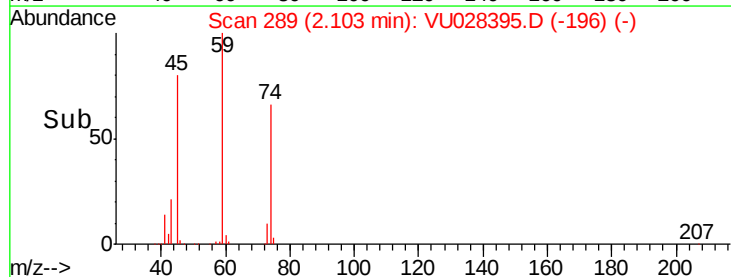
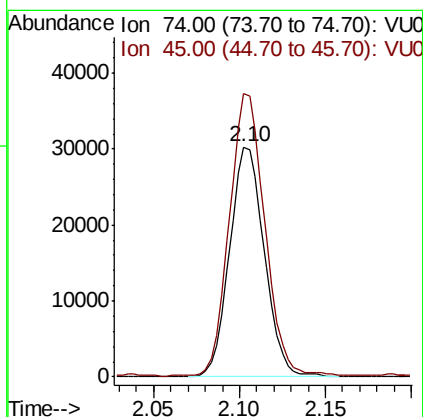
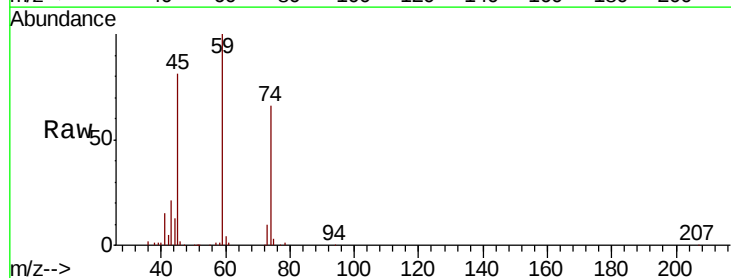
Tot Ion:101 Resp: 95155
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.6 77.4

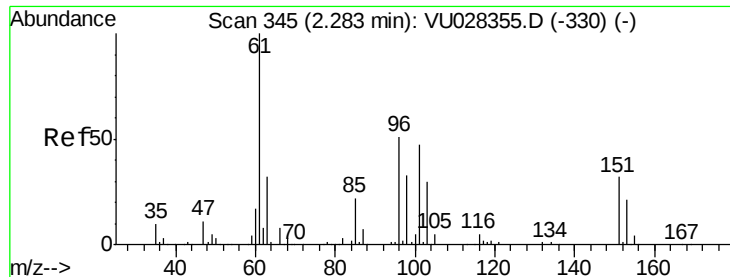


#8

Diethyl Ether
 Concen: 19.759 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 74 Resp: 42501
 Ion Ratio Lower Upper
 74 100
 45 124.4 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.172 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

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ClientSampleId :

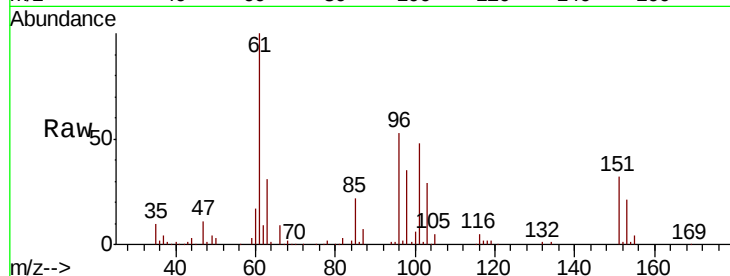
Tot Ion:101 Resp: 57067

Ion Ratio Lower Upper

101 100

85 45.7 37.2 55.8

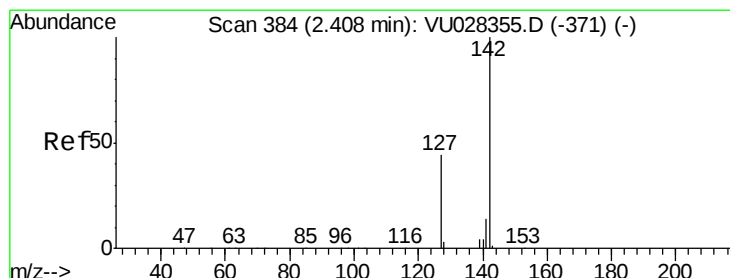
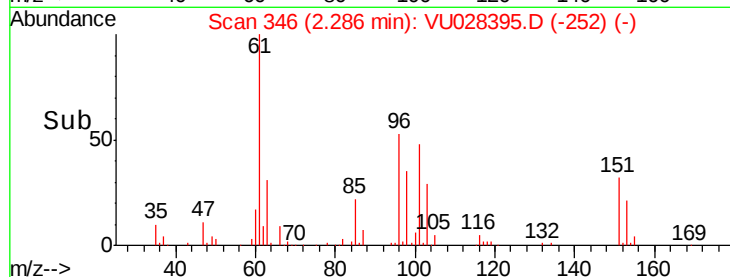
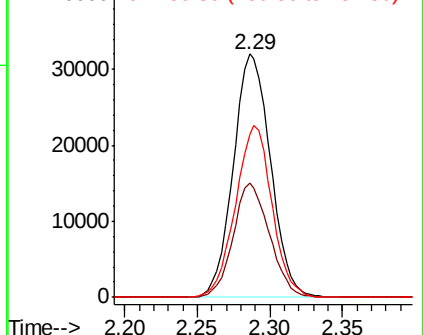
151 69.3 55.4 83.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.097 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

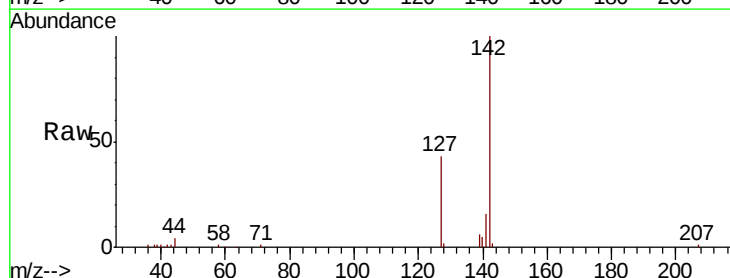
Tgt Ion:142 Resp: 48540

Ion Ratio Lower Upper

142 100

127 42.7 35.0 52.6

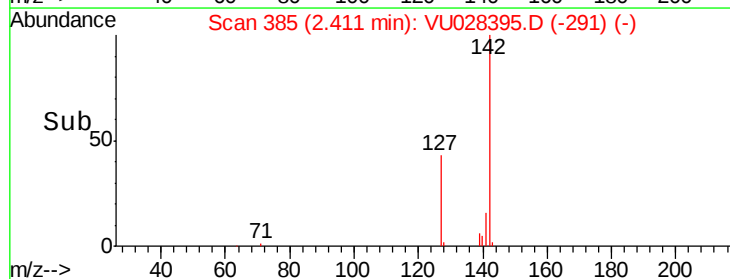
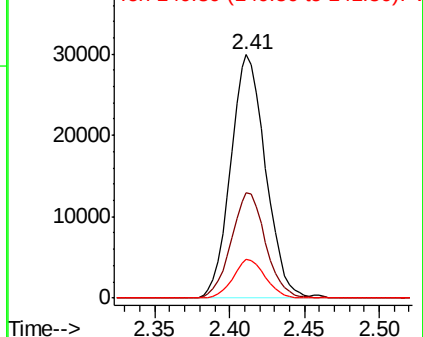
141 14.8 11.2 16.8

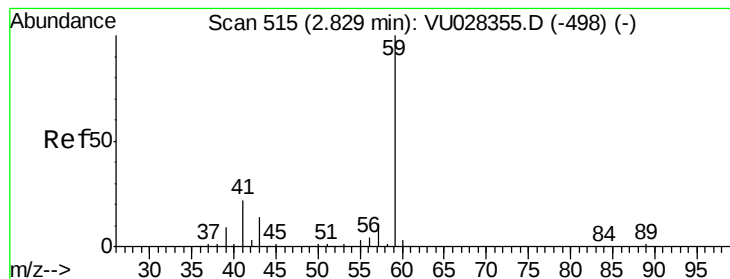


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.385 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

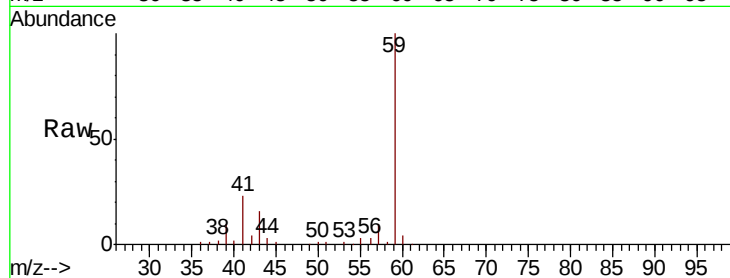
ClientSampleId :

Tot Ion: 59 Resp: 84027

Ion Ratio Lower Upper

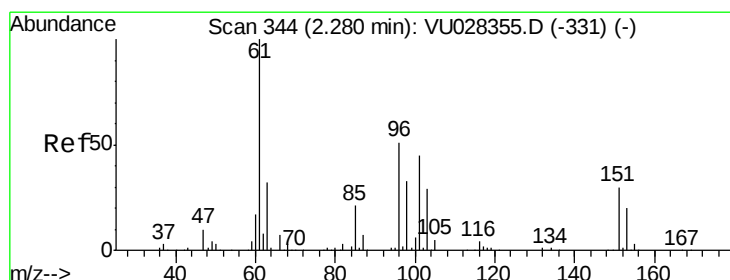
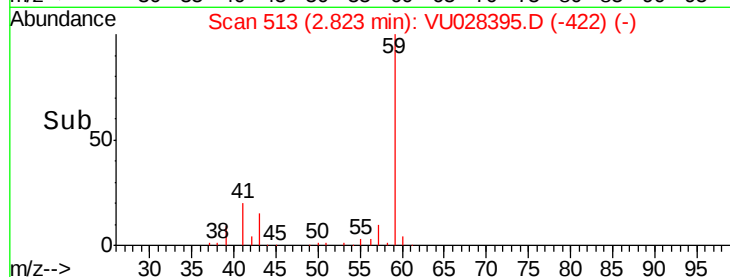
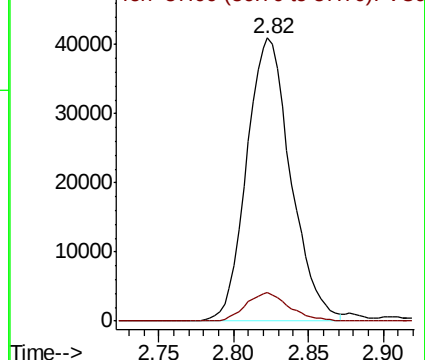
59 100

57 9.9 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 20.811 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

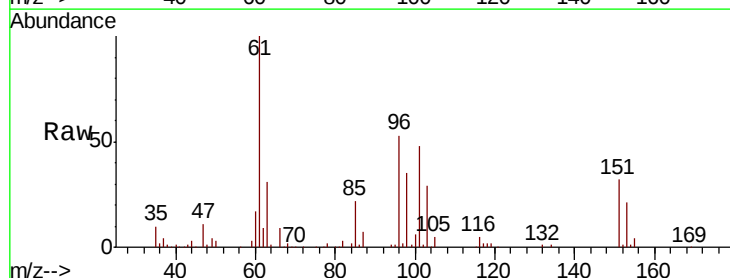
Tgt Ion: 96 Resp: 54436

Ion Ratio Lower Upper

96 100

61 189.9 158.1 237.1

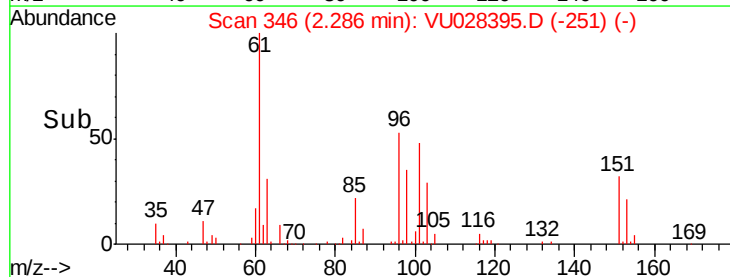
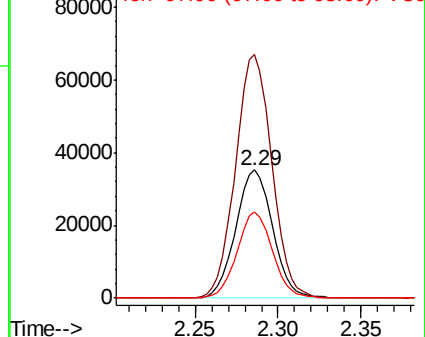
98 67.0 51.4 77.2

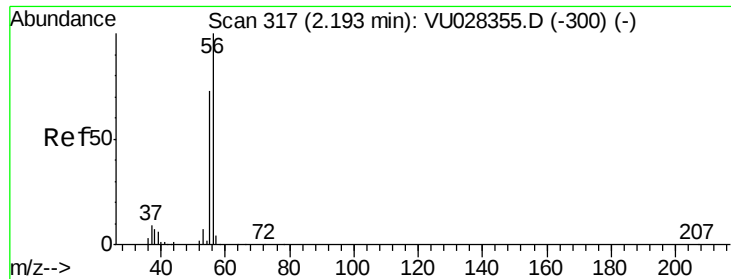


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 86.066 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

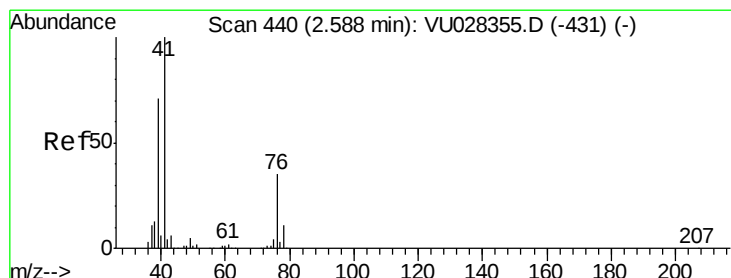
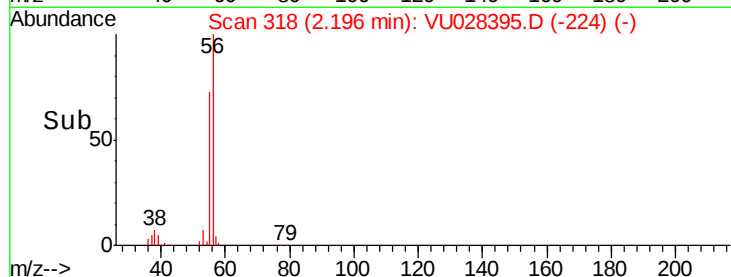
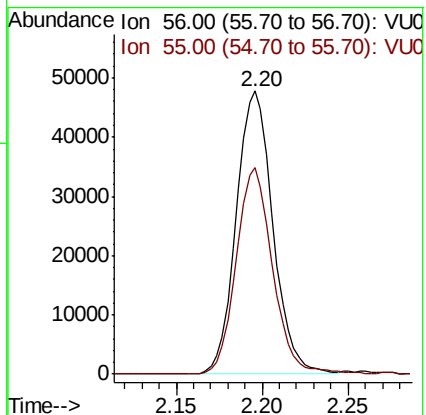
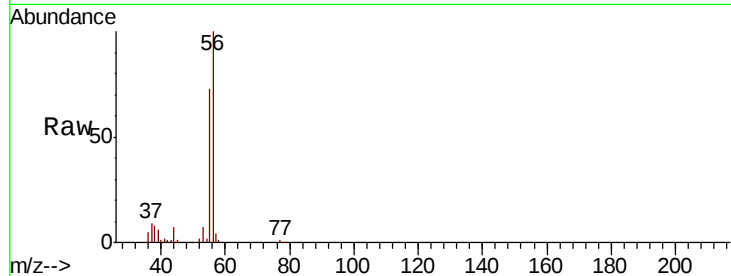
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 71132

Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



#14

Allyl chloride

Concen: 19.070 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

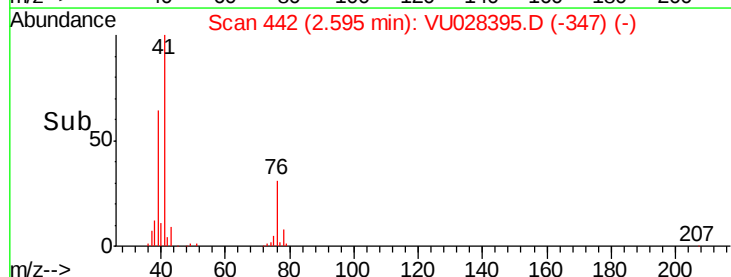
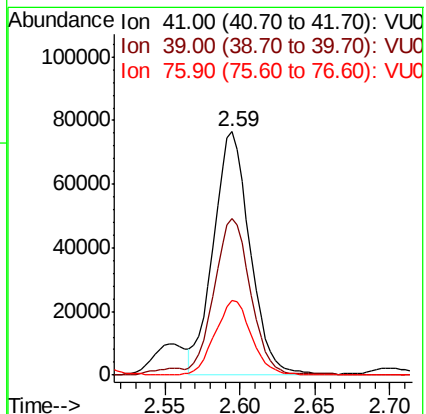
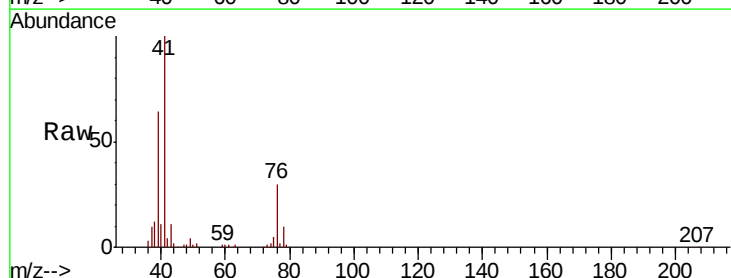
Tgt Ion: 41 Resp: 130327

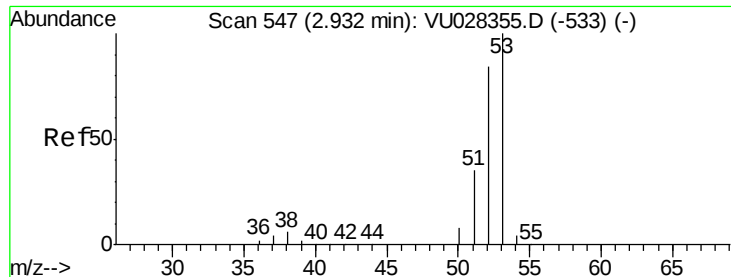
Ion Ratio Lower Upper

41 100

39 63.0 51.6 77.4

76 30.5 24.4 36.6





#15

Acrylonitrile

Concen: 103.716 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

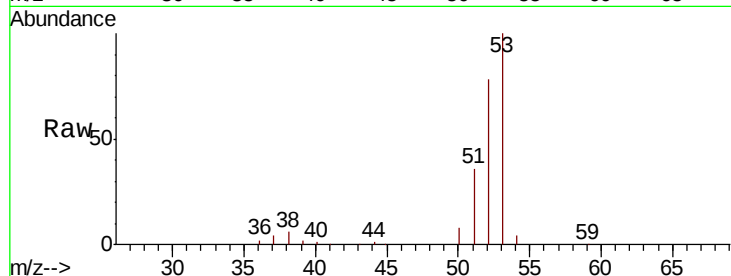
Tot Ion: 53 Resp: 255050

Ion Ratio Lower Upper

53 100

52 79.5 65.7 98.5

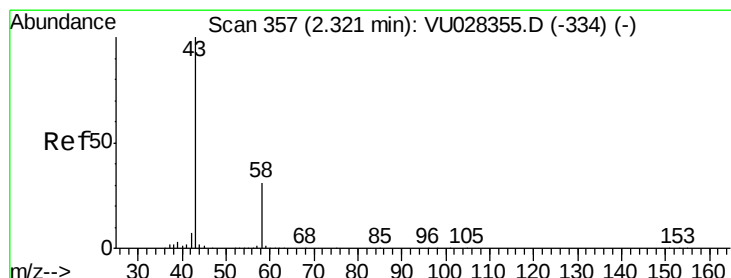
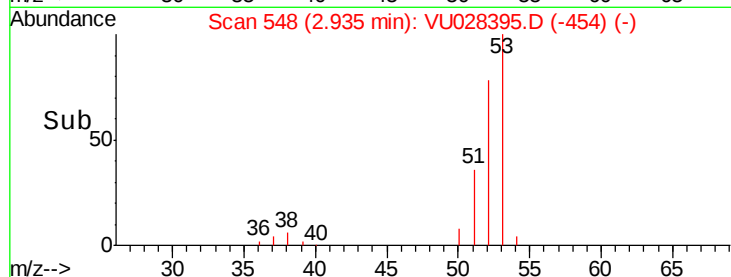
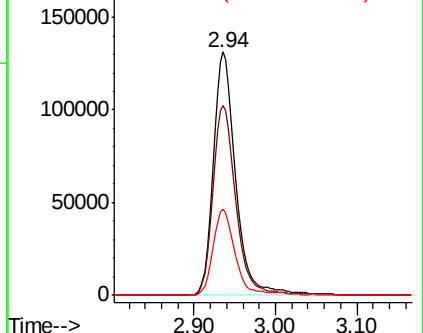
51 35.1 27.8 41.6



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: 83.153 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028395.D

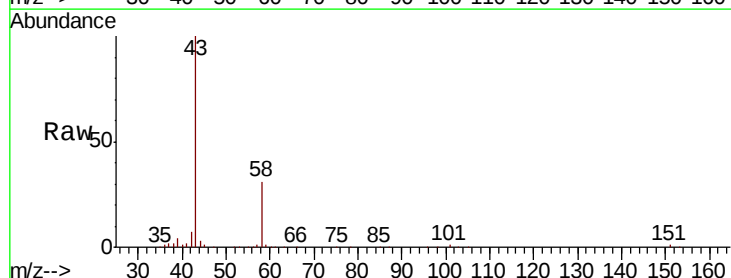
Acq: 29 Nov 2018 15:47

Tgt Ion: 43 Resp: 208153

Ion Ratio Lower Upper

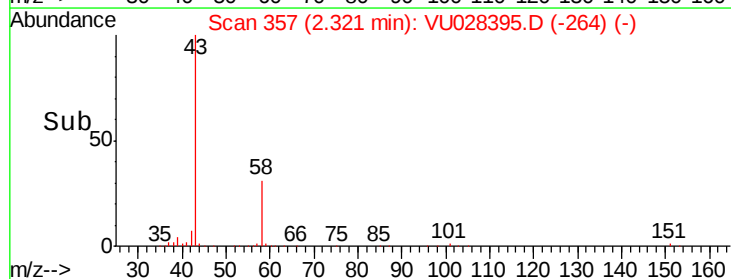
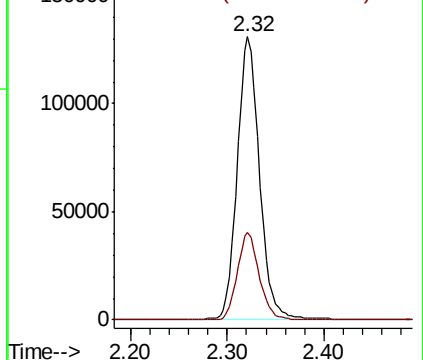
43 100

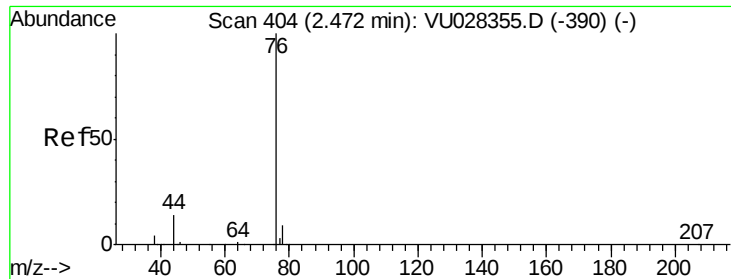
58 31.2 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 18.934 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

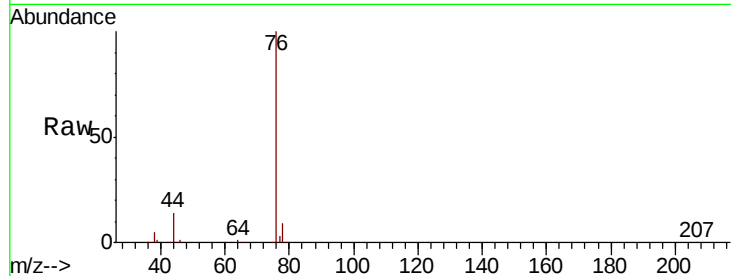
ClientSampleId :

Tot Ion: 76 Resp: 190099

Ion Ratio Lower Upper

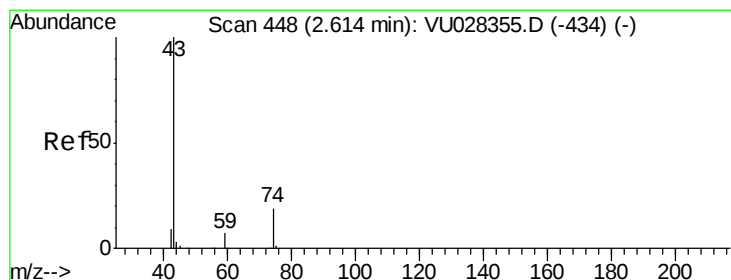
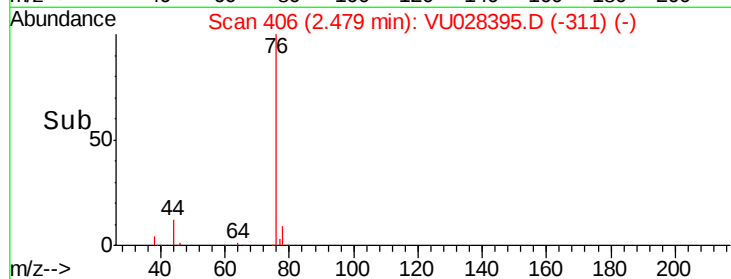
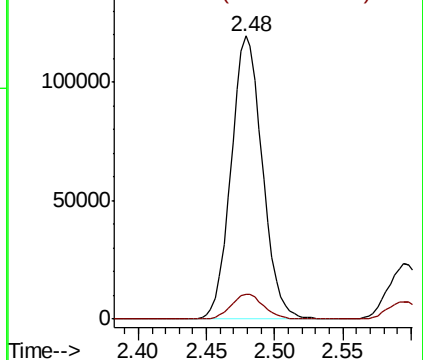
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU028395.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028395.D (-390) (-)



#18

Methyl Acetate

Concen: 19.782 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028395.D

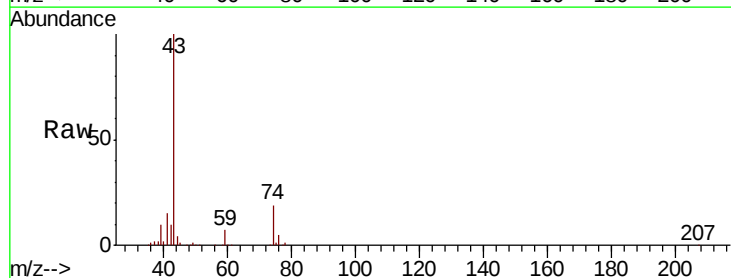
Acq: 29 Nov 2018 15:47

Tgt Ion: 43 Resp: 137873

Ion Ratio Lower Upper

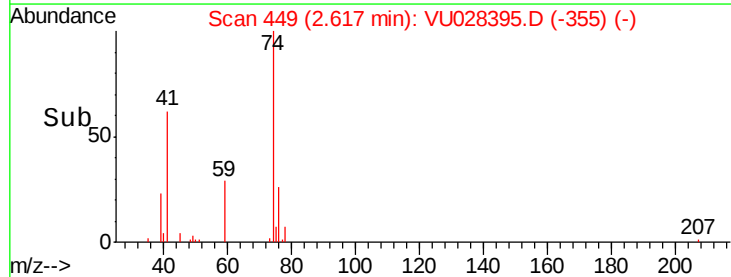
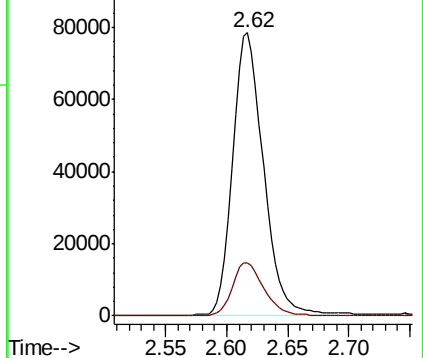
43 100

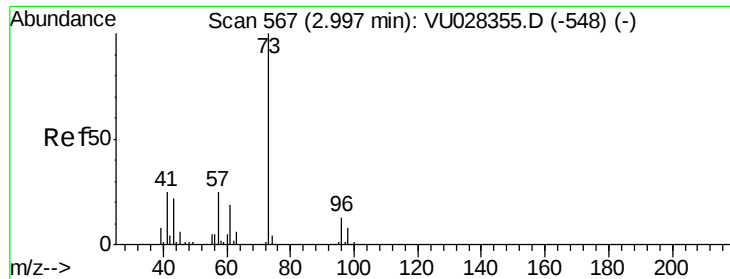
74 19.6 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028395.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028395.D (-355) (-)

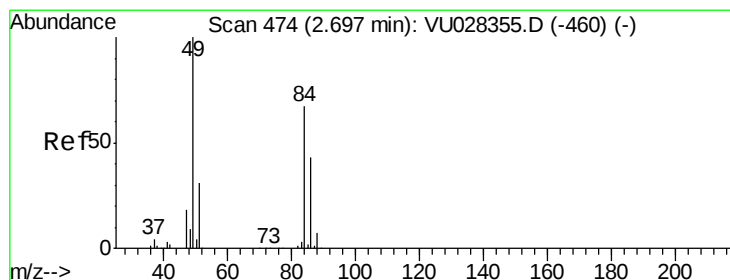
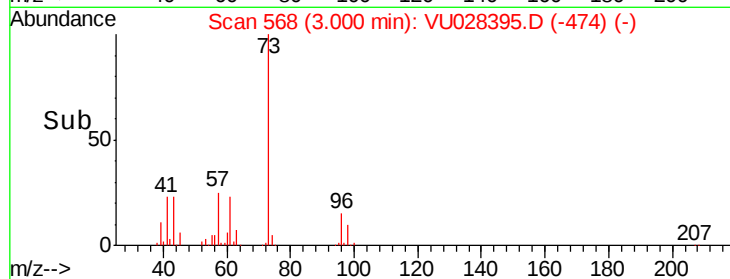
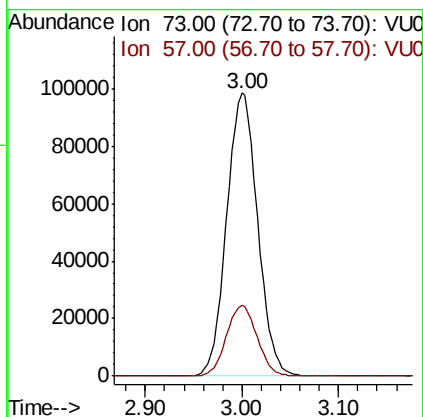
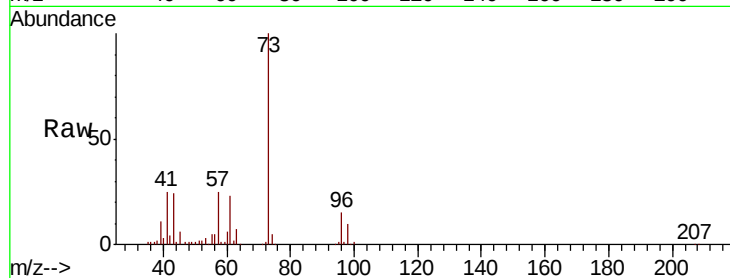




#19
Methvl tert-butvl Ether
Concen: 20.409 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

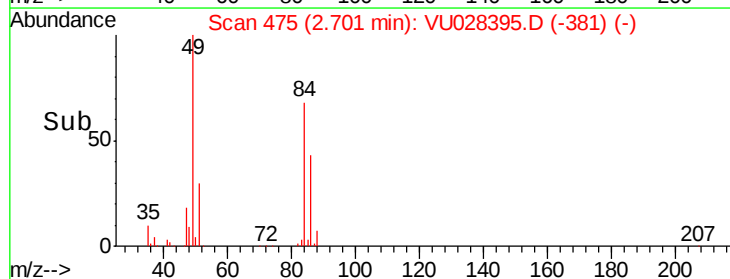
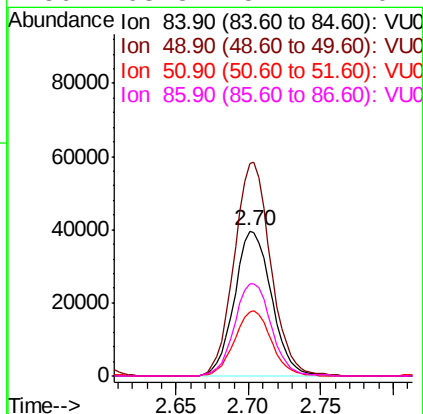
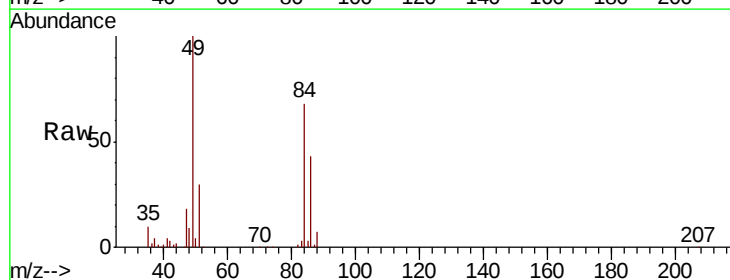
Instrument :
MSVOA_U
ClientSampleId :

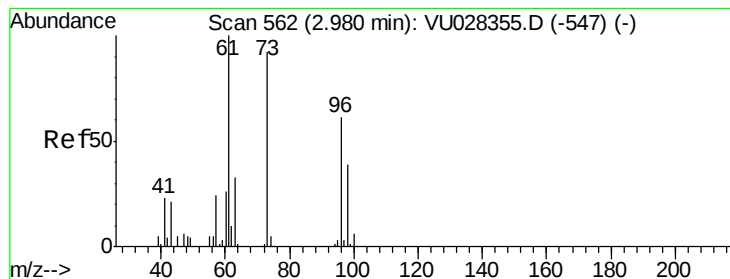
Tot Ion: 73 Resp: 218873
Ion Ratio Lower Upper
73 100
57 25.2 20.1 30.1



#20
Methylene Chloride
Concen: 19.851 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 84 Resp: 70247
Ion Ratio Lower Upper
84 100
49 146.9 120.0 180.0
51 44.5 36.9 55.3
86 63.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.535 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

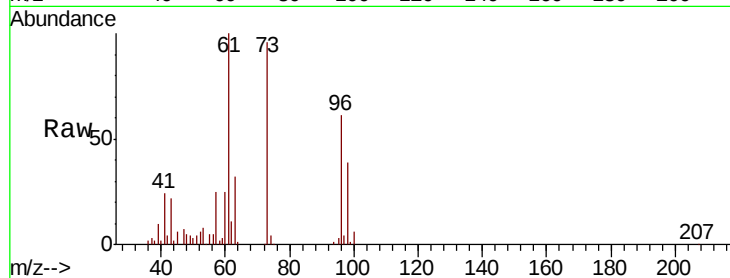
Tot Ion: 96 Resp: 62295

Ion Ratio Lower Upper

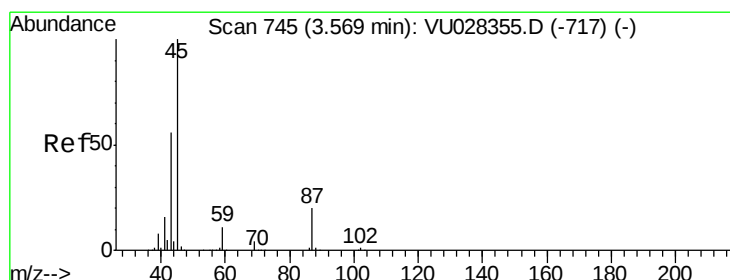
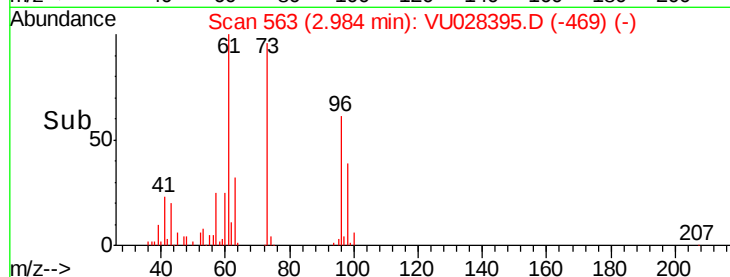
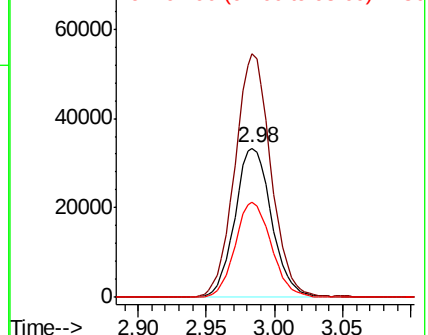
96 100

61 162.9 131.1 196.7

98 63.8 51.7 77.5



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: 20.487 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion: 45 Resp: 275660

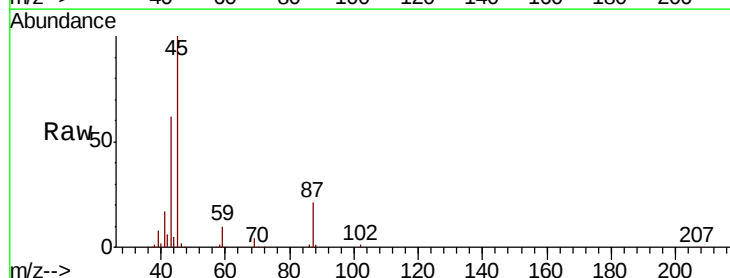
Ion Ratio Lower Upper

45 100

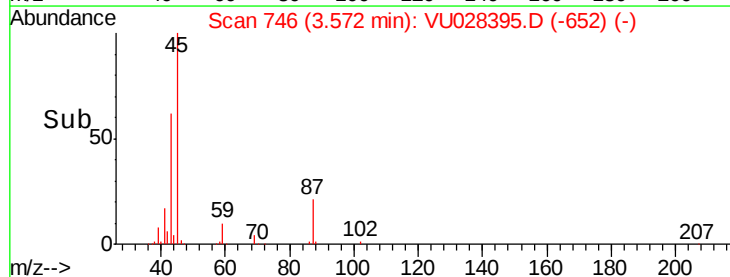
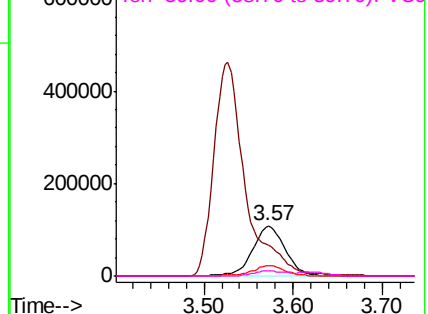
43 60.6 44.8 67.2

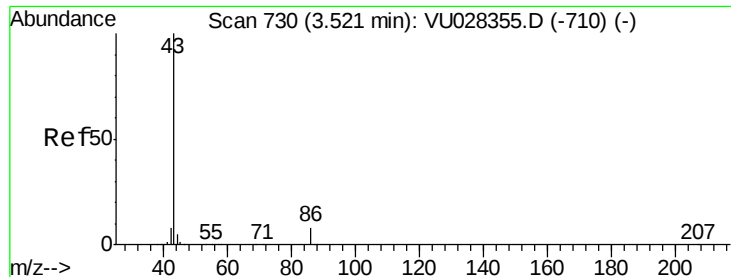
87 20.9 16.3 24.5

59 10.2 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.450 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

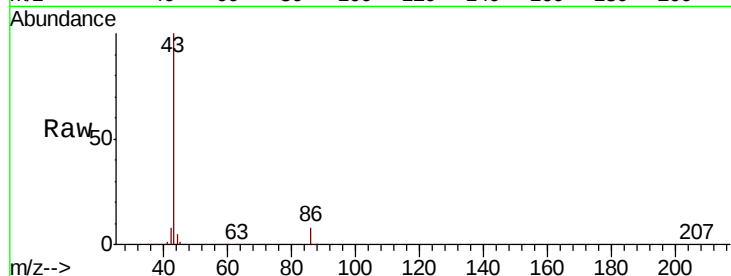
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1134633

Ion Ratio Lower Upper

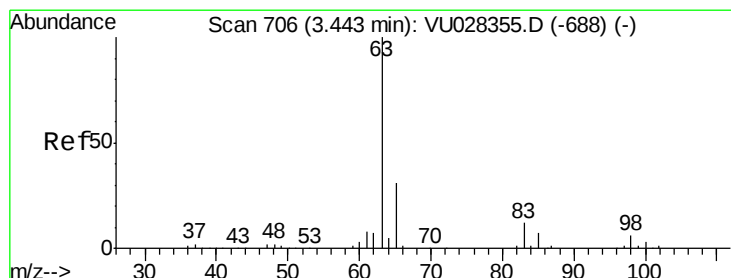
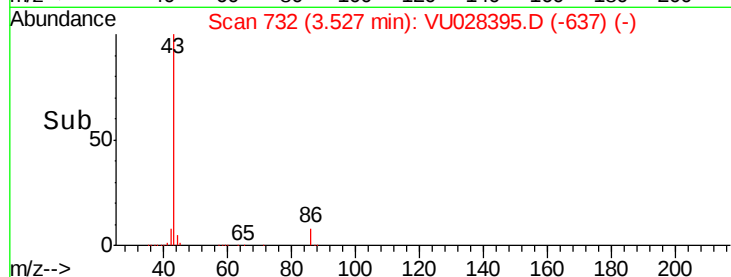
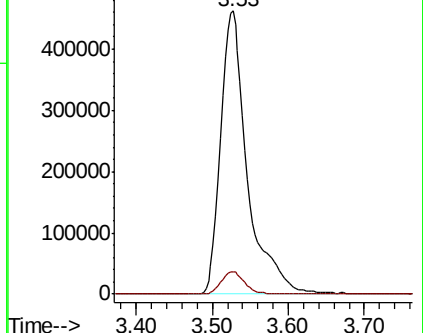
43 100

86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028395.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU028395.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 20.725 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

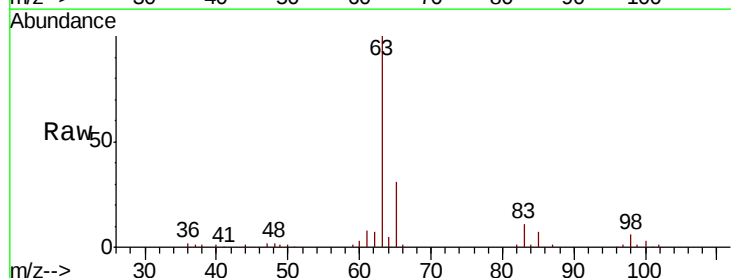
Tgt Ion: 63 Resp: 137487

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

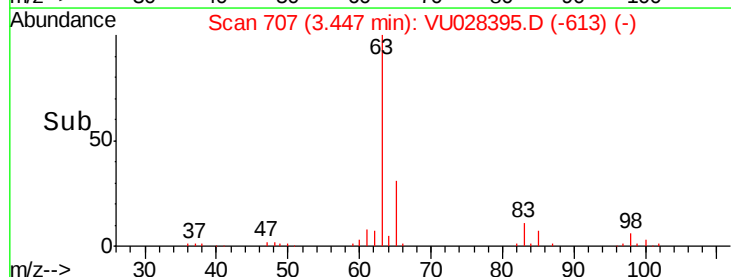
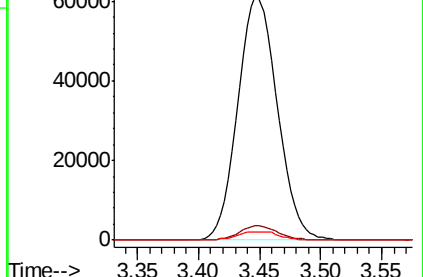
100 3.4 1.7 5.1

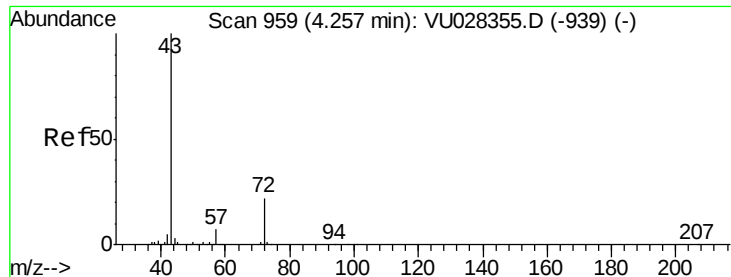


Abundance Ion 62.90 (62.60 to 63.60): VU028395.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU028395.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU028395.D (-613) (-)

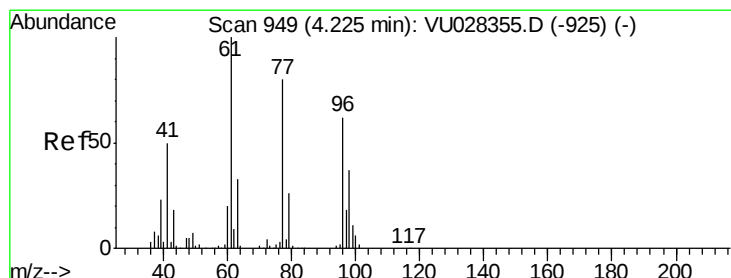
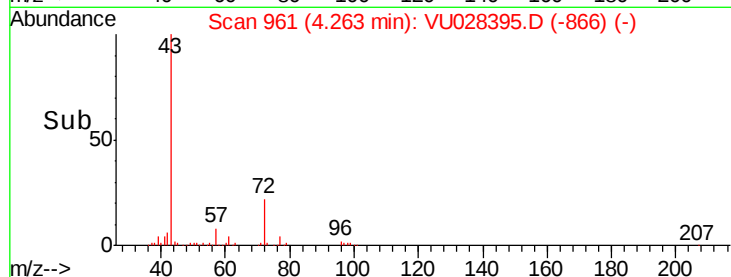
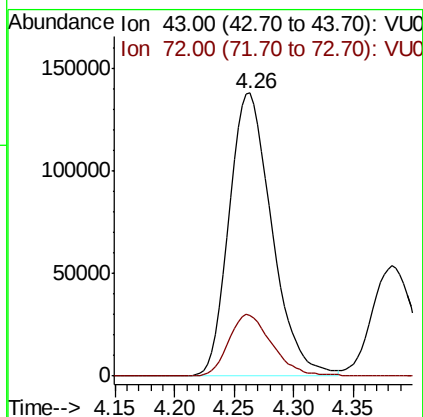
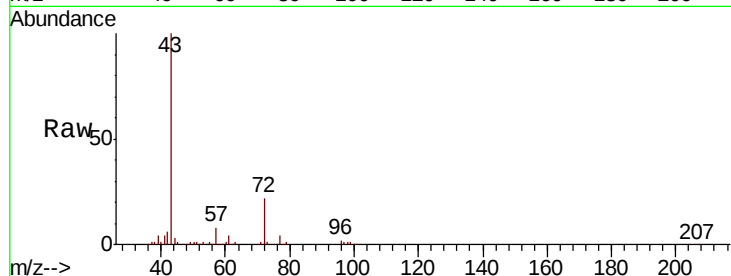




#25
 2-Butanone
 Concen: 95.144 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

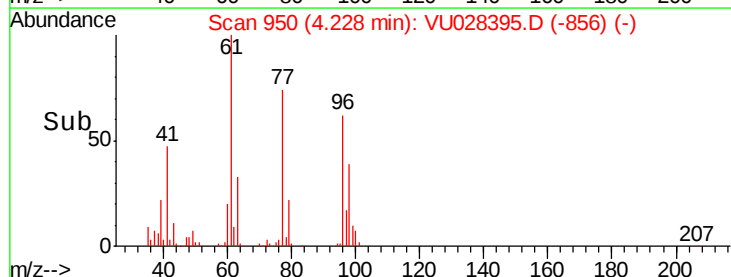
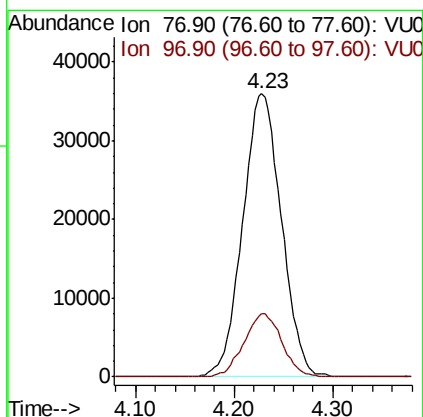
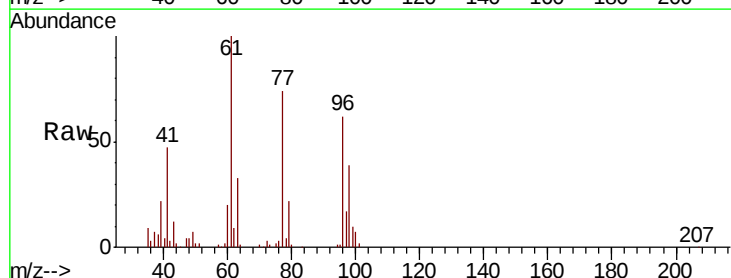
Instrument :
 MSVOA_U
 ClientSampleId :

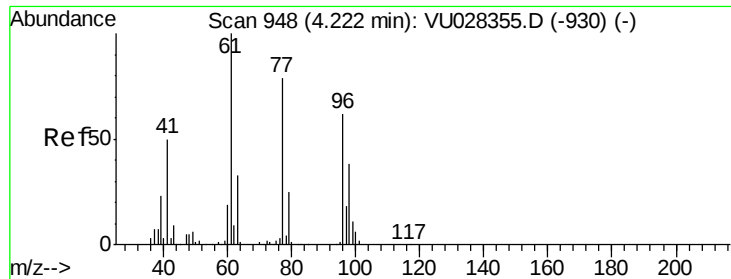
Tot Ion: 43 Resp: 341336
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.7 26.5



#26
 2,2-Dichloropropane
 Concen: 18.511 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 77 Resp: 97525
 Ion Ratio Lower Upper
 77 100
 97 21.8 10.7 32.1

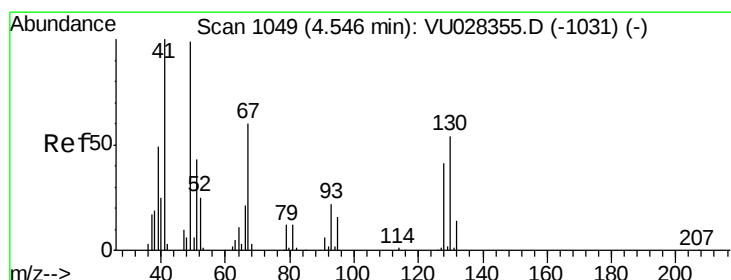
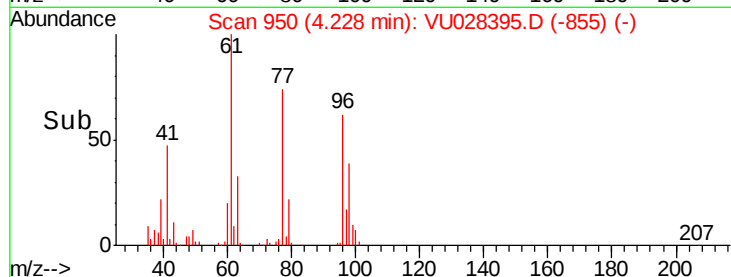
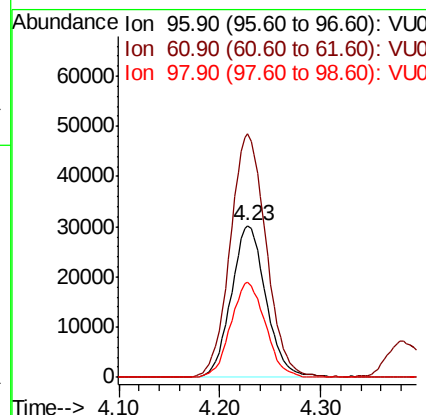
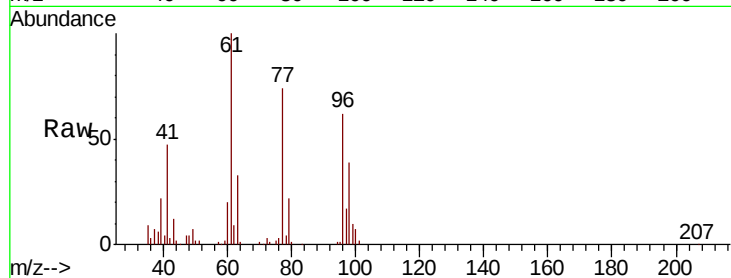




#27
 cis-1,2-Dichloroethene
 Concen: 20.194 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

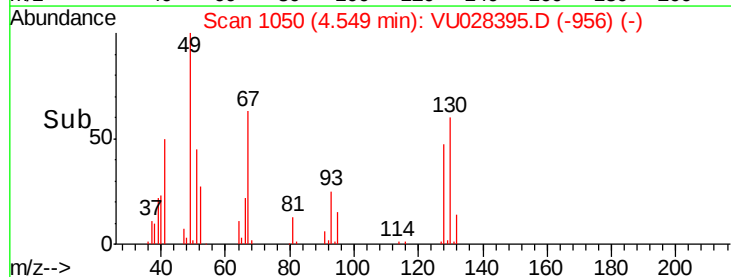
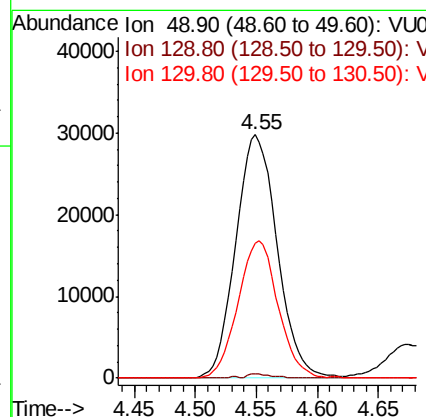
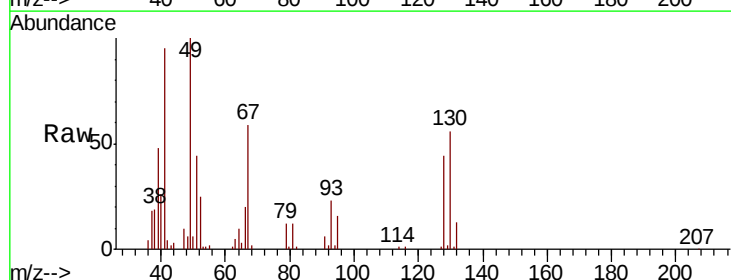
Instrument :
 MSVOA_U
 ClientSampled :

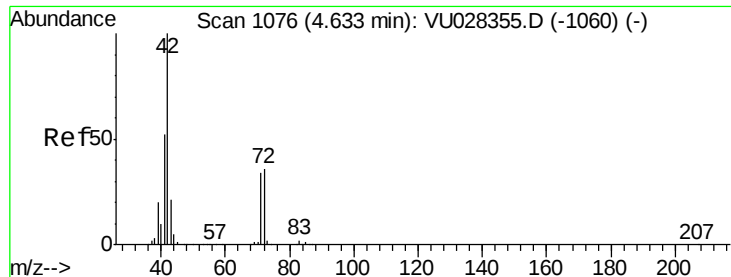
Tot Ion: 96 Resp: 72451
 Ion Ratio Lower Upper
 96 100
 61 166.0 0.0 342.0
 98 62.2 0.0 126.4



#28
 Bromochloromethane
 Concen: 21.173 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 49 Resp: 70233
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 2.6
 130 54.4 44.5 66.7

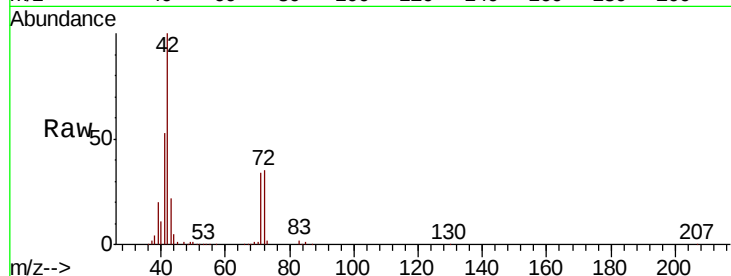




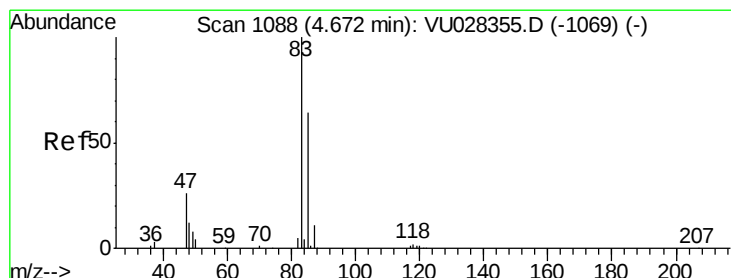
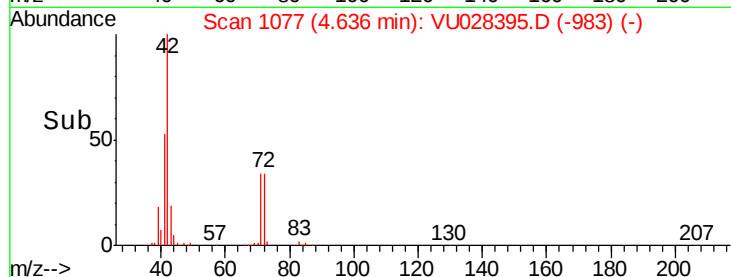
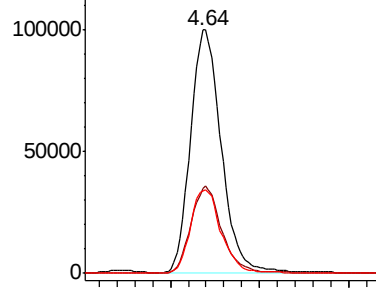
#29
Tetrahydrofuran
Concen: 102.648 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.5	44.3
71	34.0	27.7	41.5

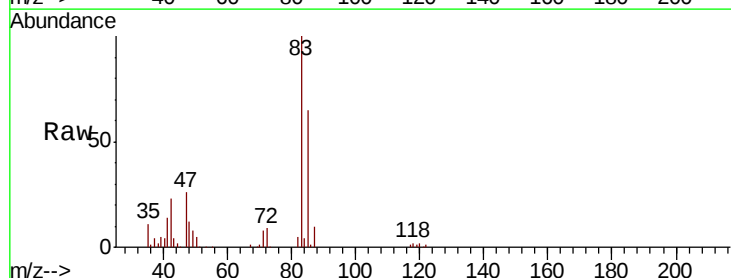


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

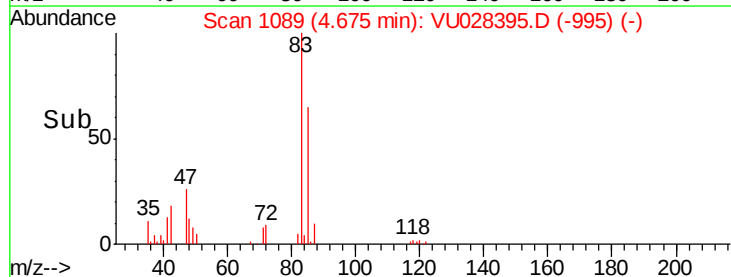
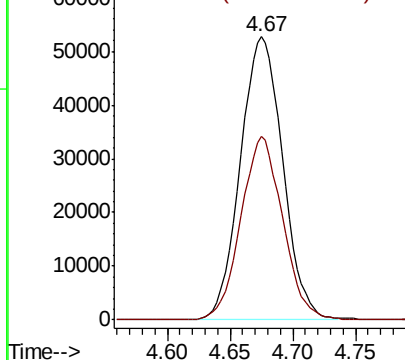


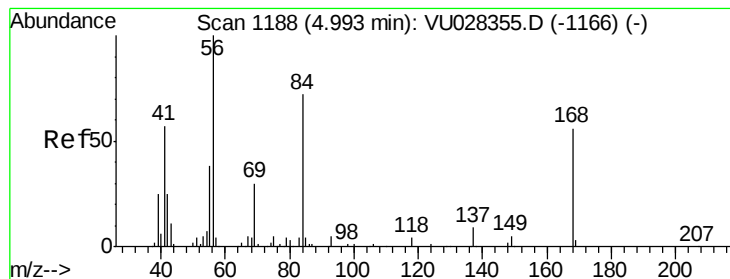
#30
Chloroform
Concen: 20.207 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 20.441 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampled :

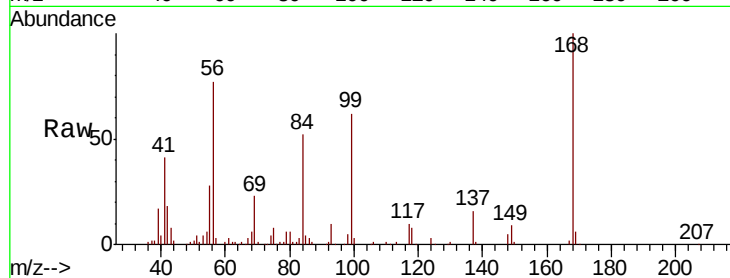
Tot Ion: 56 Resp: 140757

Ion Ratio Lower Upper

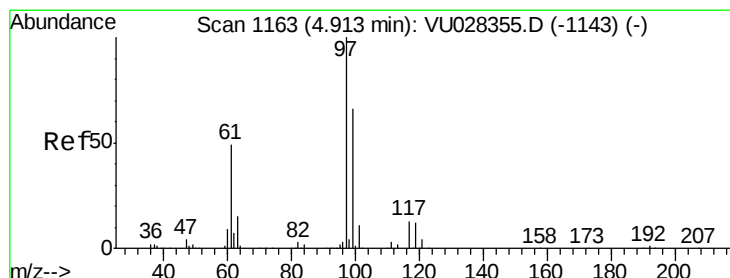
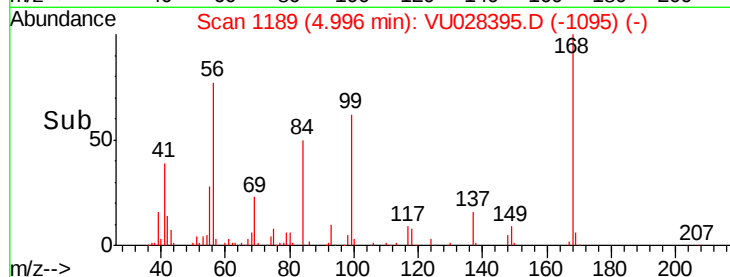
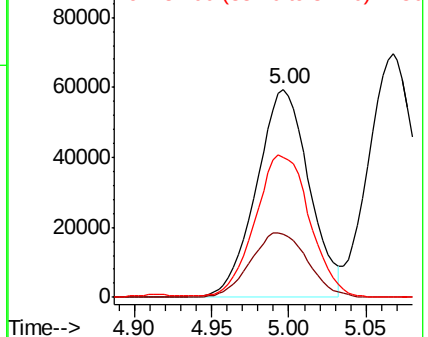
56 100

69 30.3 23.7 35.5

84 66.6 57.3 85.9



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



#32

1,1,1-Trichloroethane

Concen: 20.257 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

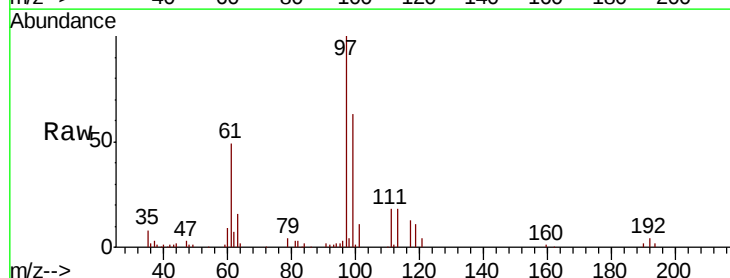
Tgt Ion: 97 Resp: 99531

Ion Ratio Lower Upper

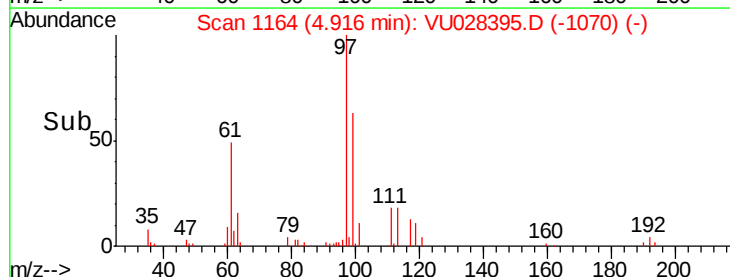
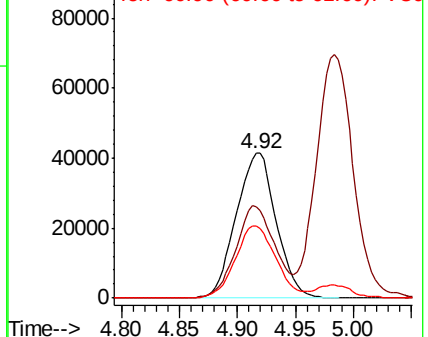
97 100

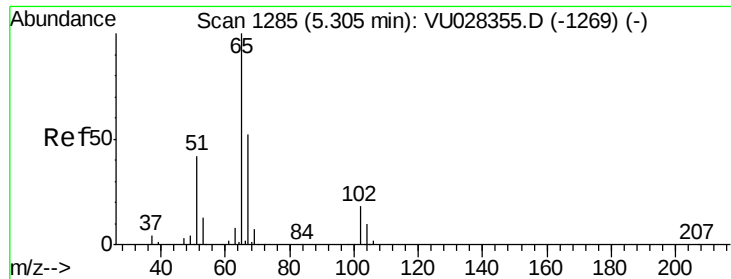
99 62.7 50.8 76.2

61 50.6 39.1 58.7



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

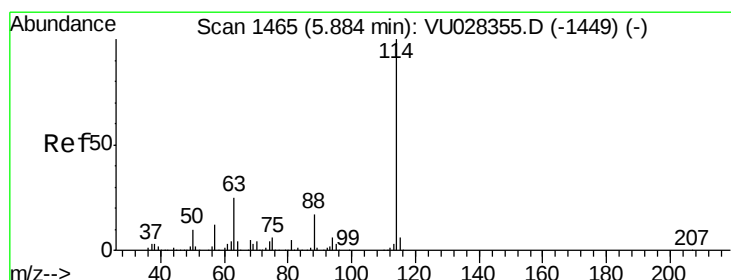
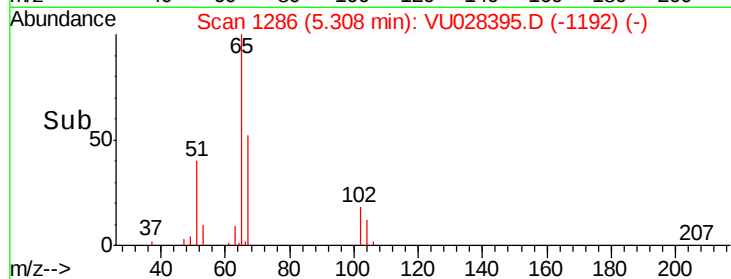
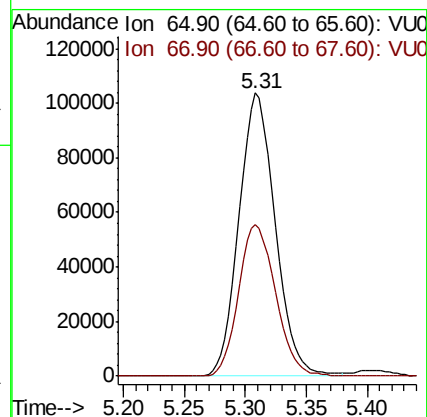
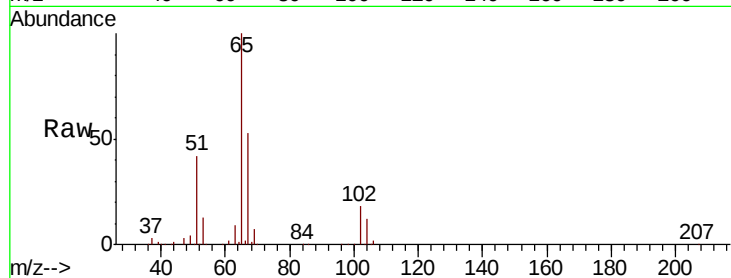




#33
 1,2-Dichloroethane-d4
 Concen: 52.337 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

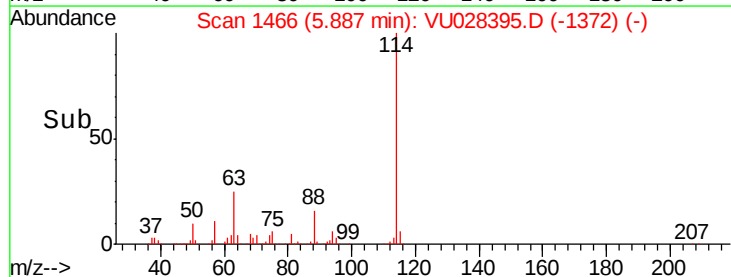
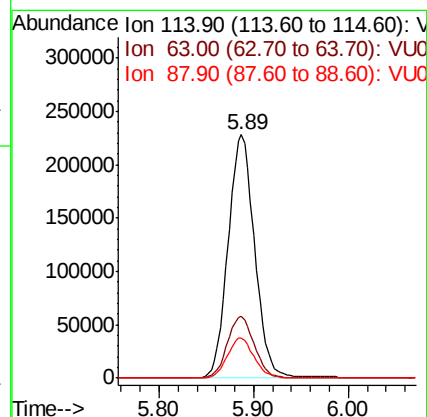
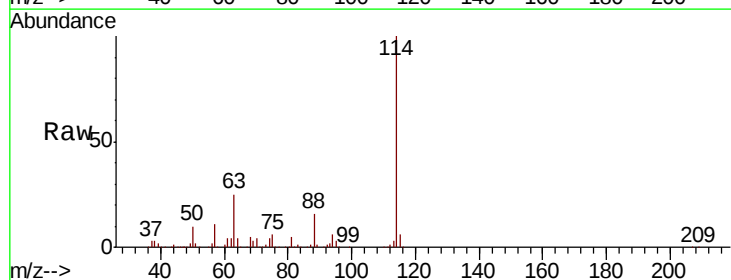
Instrument :
 MSVOA_U
 ClientSampled :

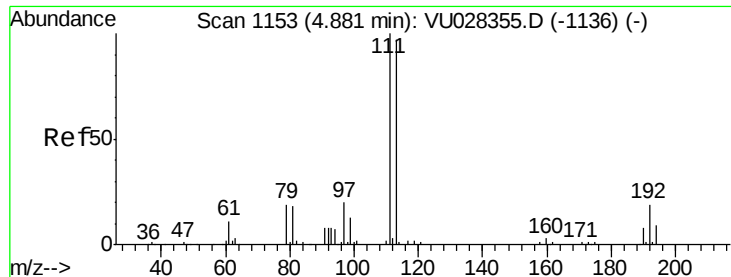
Tot Ion: 65 Resp: 214170
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 114 Resp: 445748
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.0
 88 16.5 0.0 34.4

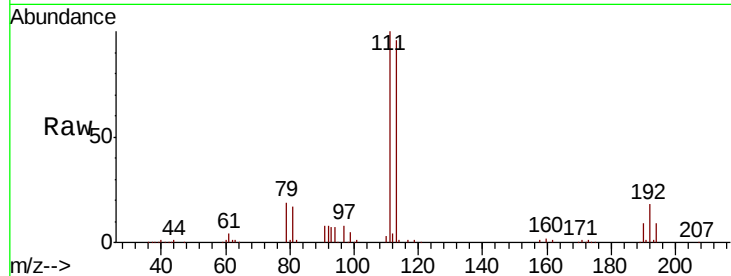




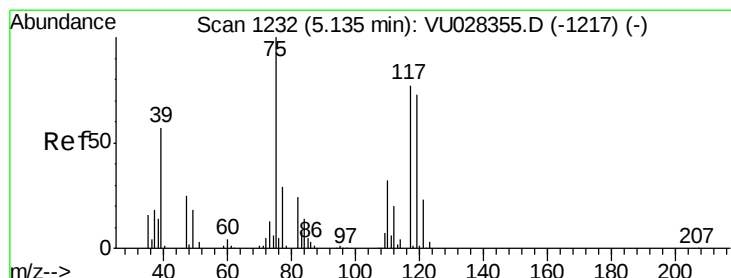
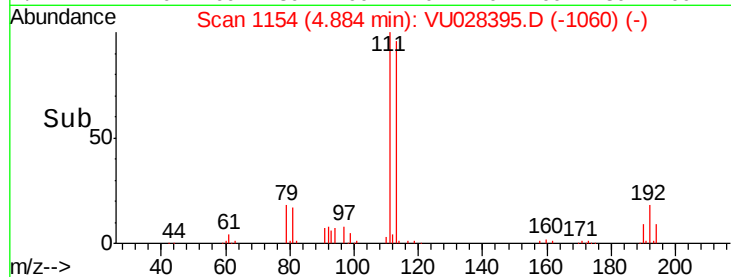
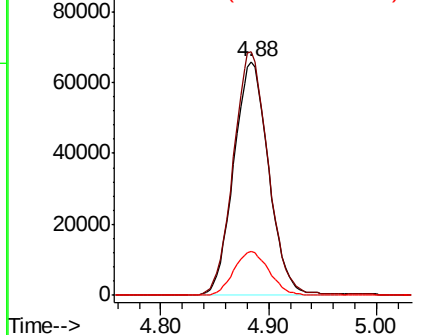
#35
 Dibromofluoromethane
 Concen: 49.953 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.0	15.4	23.0

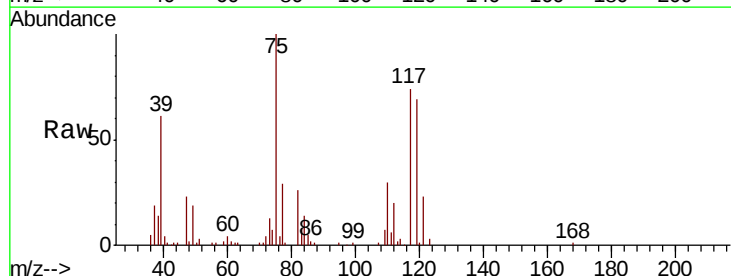


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

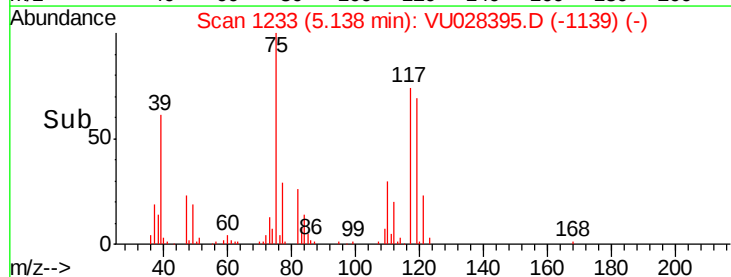
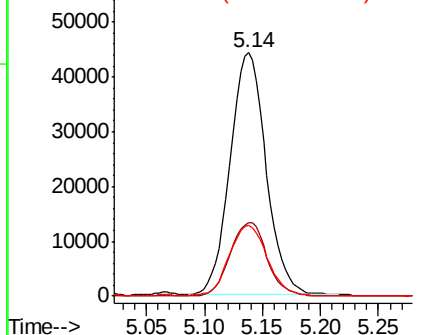


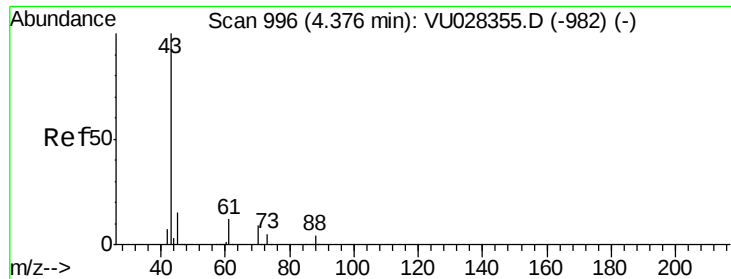
#36
 1,1-Dichloropropene
 Concen: 19.520 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.8	47.4
77	30.9	24.6	36.8



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

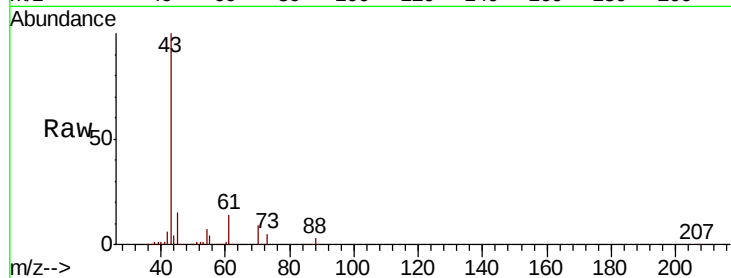




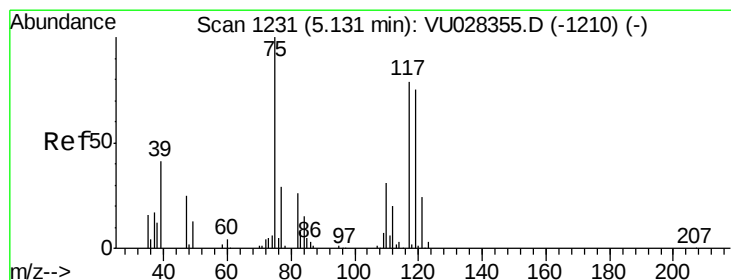
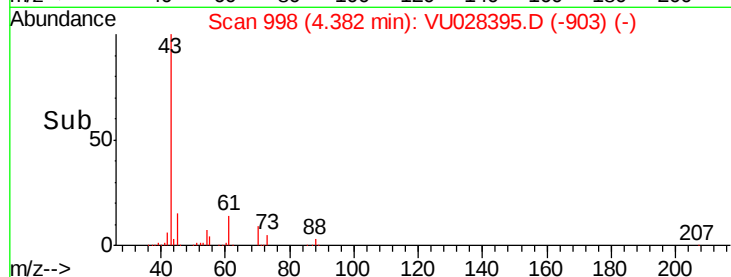
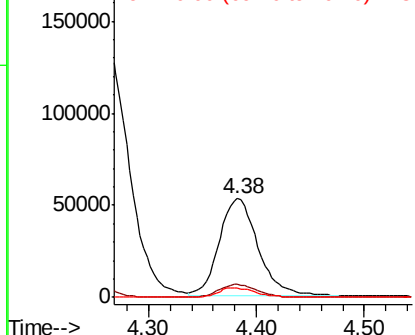
#37
Ethyl Acetate
Concen: 19.987 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 132861
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.4
70 9.1 6.9 10.3

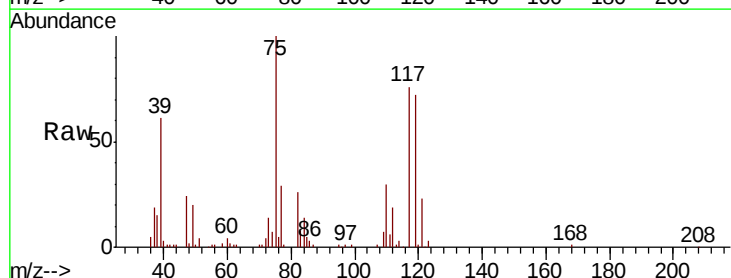


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

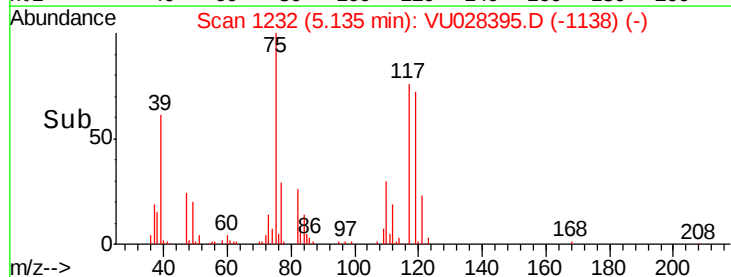
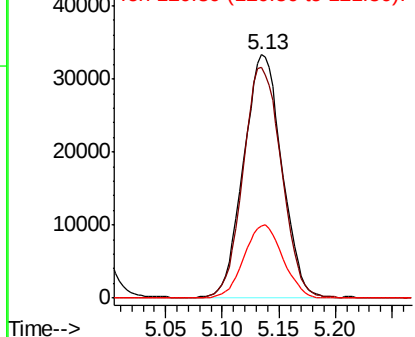


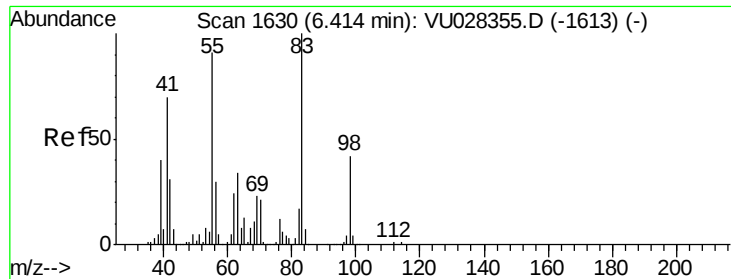
#38
Carbon Tetrachloride
Concen: 19.627 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 117 Resp: 78617
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 29.8 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

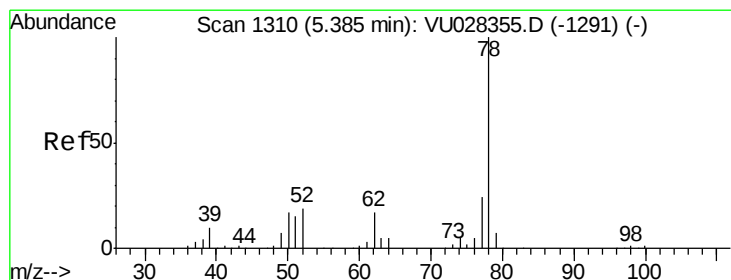
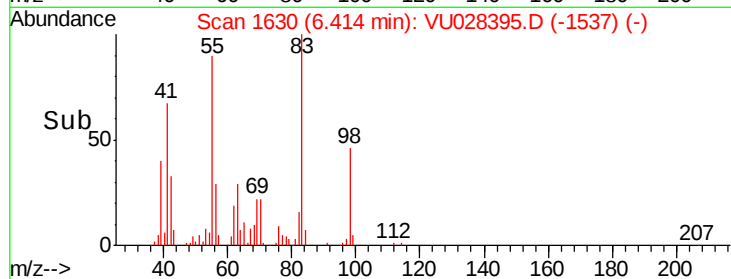
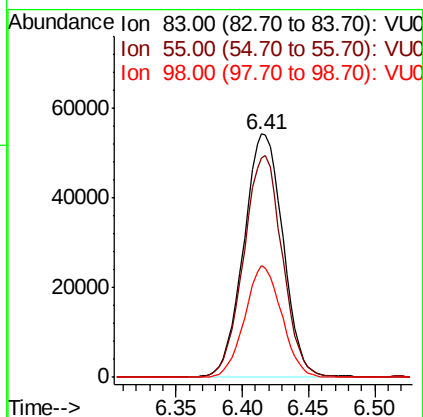
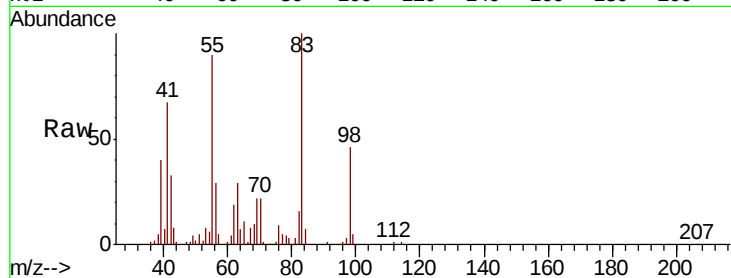




#39
Methvlcvclohexane
Concen: 19.491 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

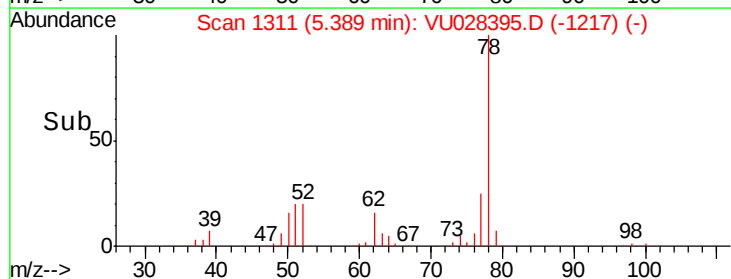
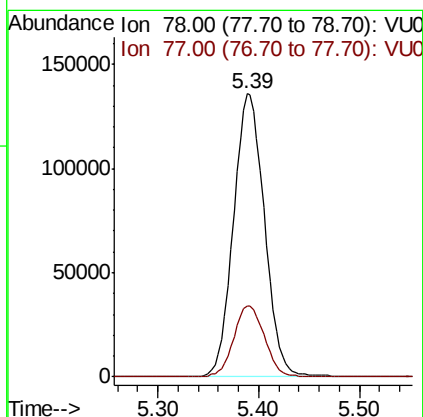
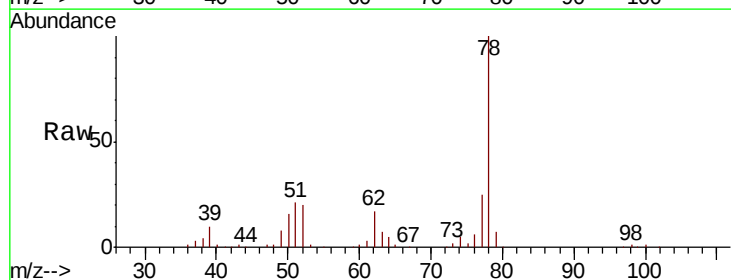
Instrument :
MSVOA_U
ClientSampleId :

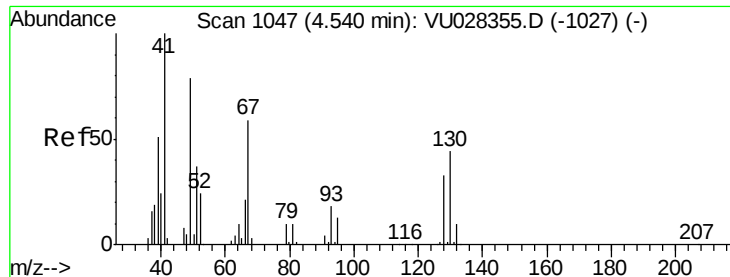
Tot Ion: 83 Resp: 112089
Ion Ratio Lower Upper
83 100
55 90.1 73.1 109.7
98 45.8 33.9 50.9



#40
Benzene
Concen: 20.110 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 78 Resp: 290526
Ion Ratio Lower Upper
78 100
77 25.1 19.0 28.6

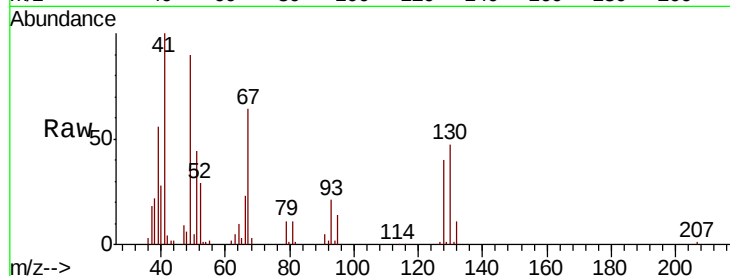




#41
Methacrylonitrile
Concen: 20.022 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	41	Resp:	73913
Ion	Ratio	Lower	Upper
41	100		
39	54.6	41.3	61.9
67	62.9	48.6	73.0
52	25.3	19.4	29.0



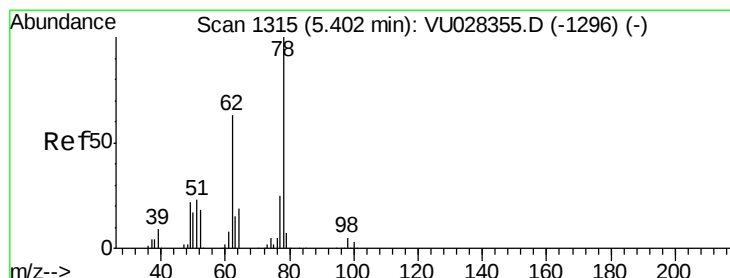
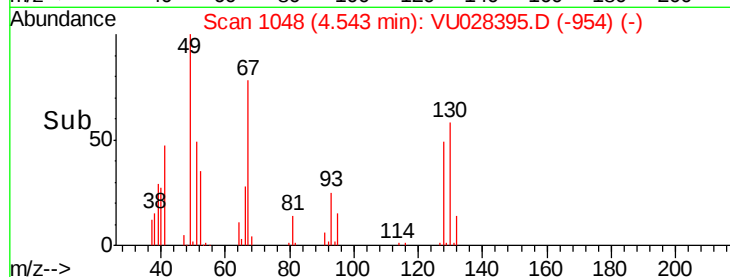
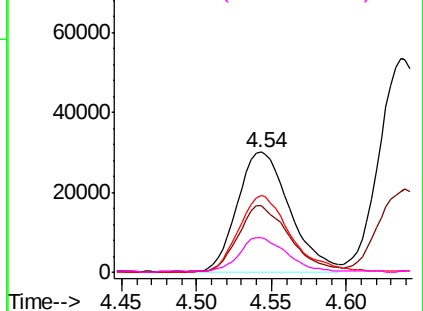
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

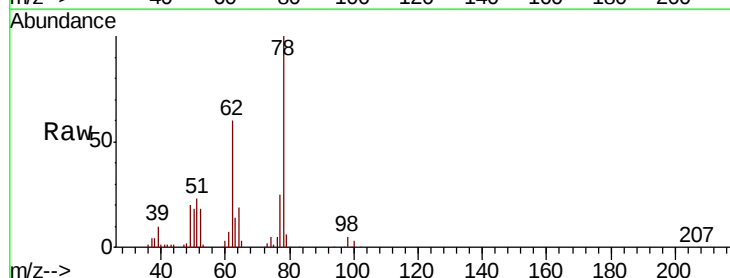
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 20.014 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

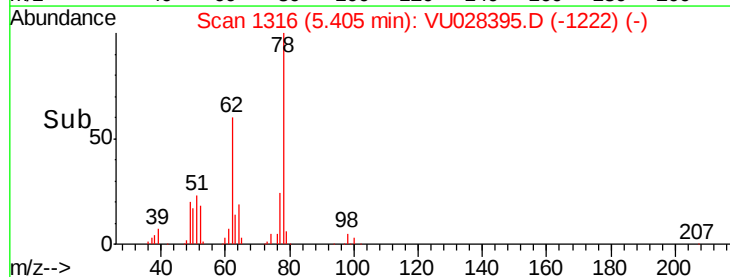
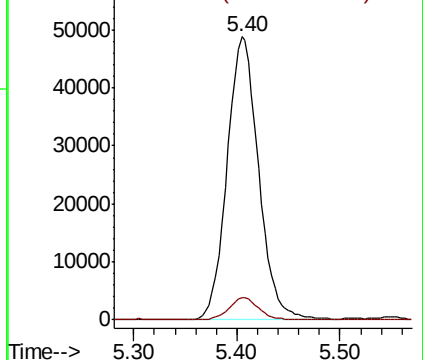
Tgt Ion:	62	Resp:	104159
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.4

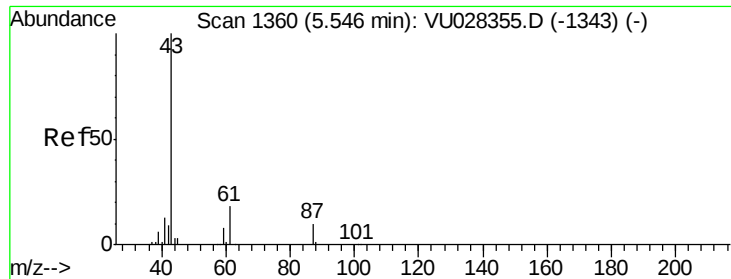


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 20.225 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

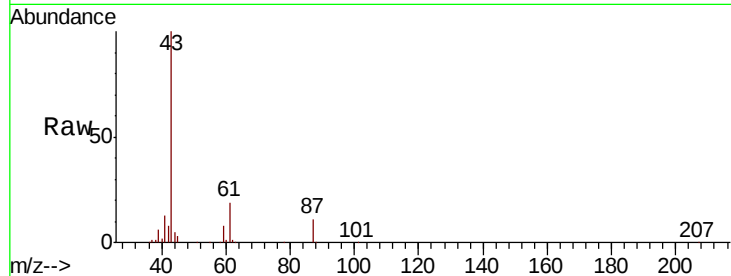
Tot Ion: 43 Resp: 213047

Ion Ratio Lower Upper

43 100

61 19.0 14.5 21.7

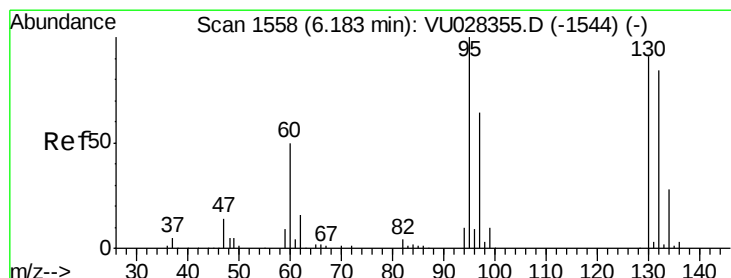
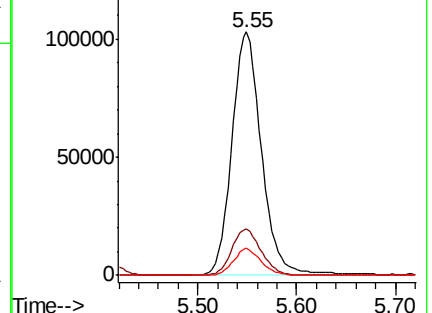
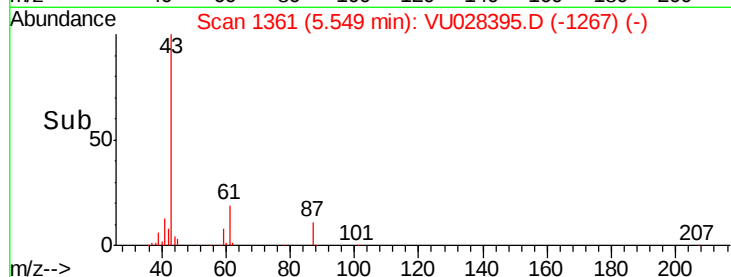
87 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028395.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028395.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028395.D (-1343) (-)



#44

Trichloroethene

Concen: 19.584 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028395.D

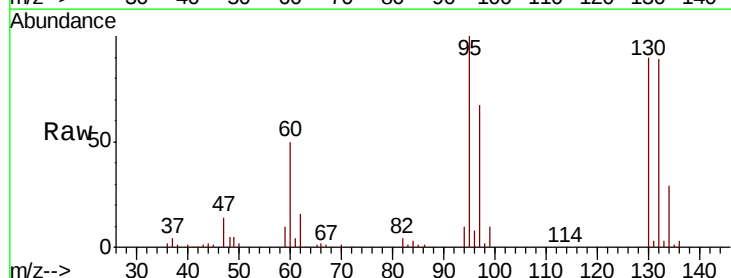
Acq: 29 Nov 2018 15:47

Tgt Ion: 130 Resp: 60645

Ion Ratio Lower Upper

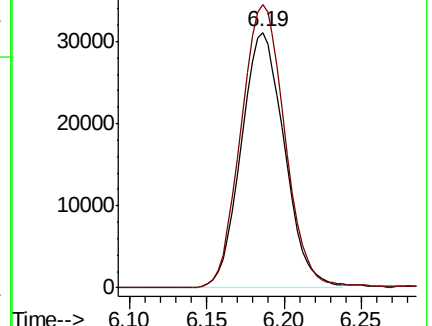
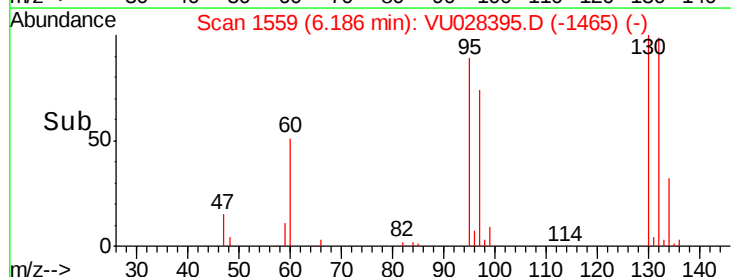
130 100

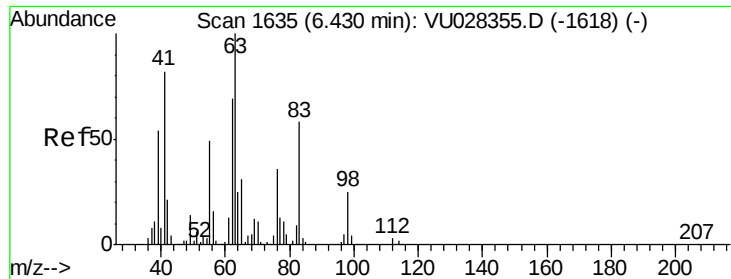
95 110.8 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028395.D (-1465) (-)

Ion 94.90 (94.60 to 95.60): VU028395.D (-1465) (-)

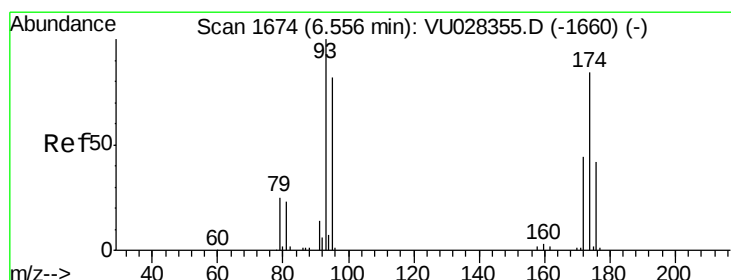
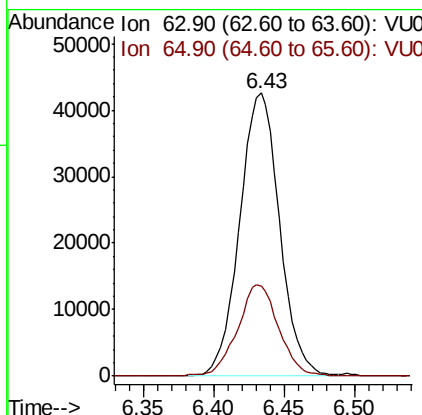
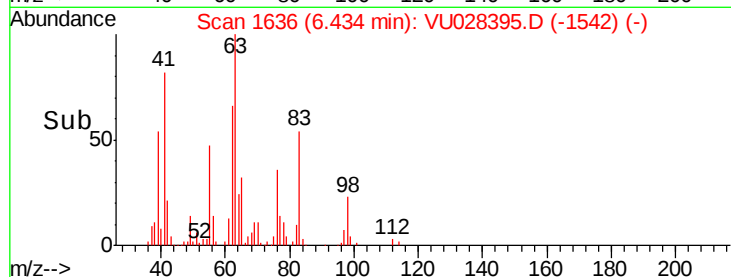
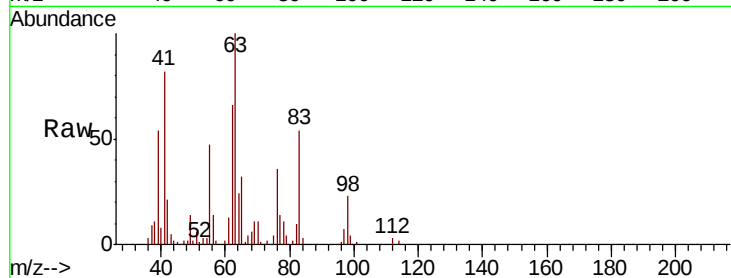




#45
 1,2-Dichloropropane
 Concen: 19.894 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

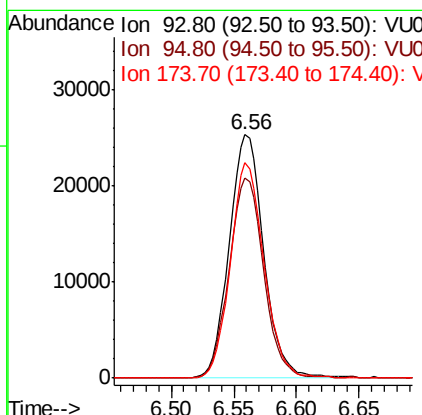
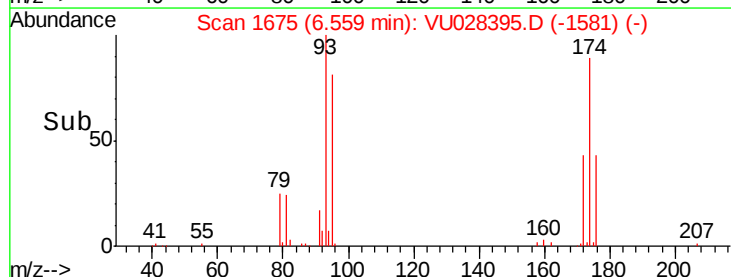
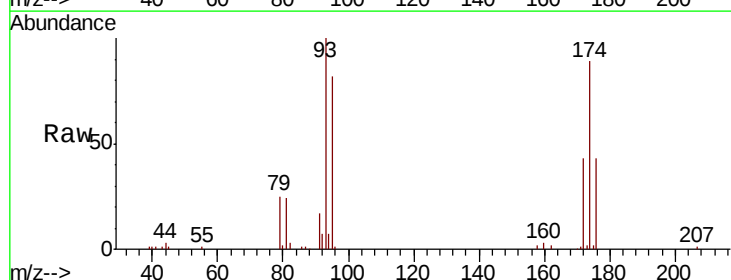
Instrument :
 MSVOA_U
 ClientSampleId :

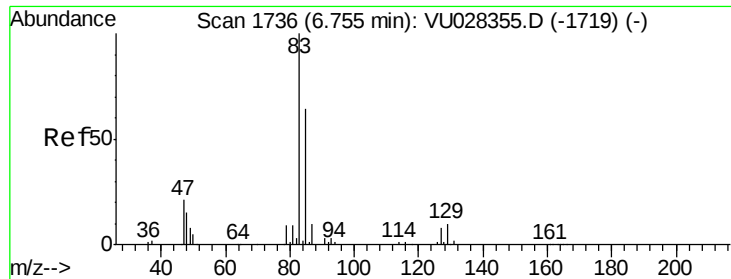
Tot Ion: 63 Resp: 84163
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7



#46
 Dibromomethane
 Concen: 19.876 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 93 Resp: 48301
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.1 97.7
 174 86.4 69.9 104.9





#47

Bromodichloromethane

Concen: 19.754 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :

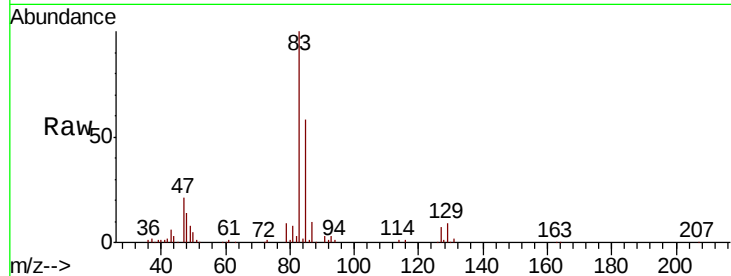
Tot Ion: 83 Resp: 95482

Ion Ratio Lower Upper

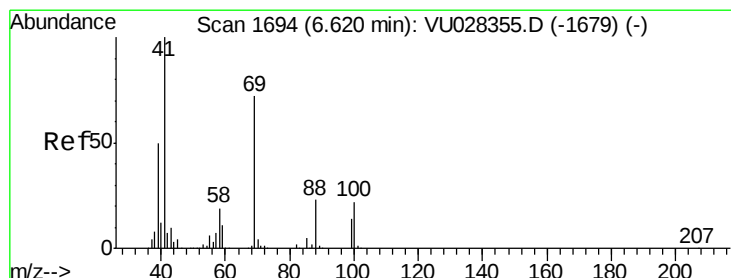
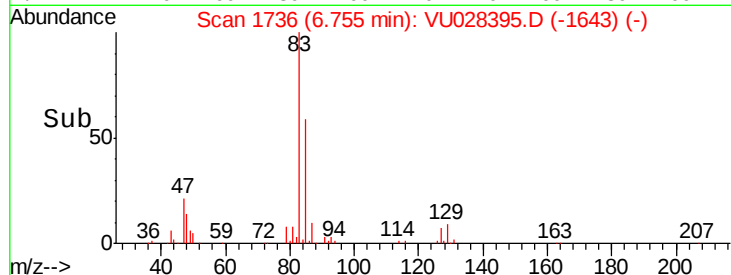
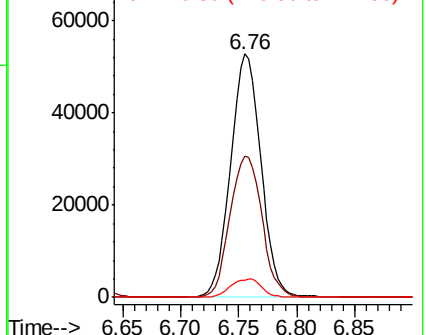
83 100

85 58.0 50.9 76.3

127 7.2 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: 19.318 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

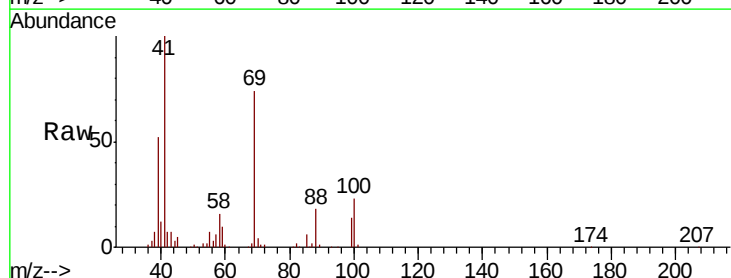
Tgt Ion: 41 Resp: 106000

Ion Ratio Lower Upper

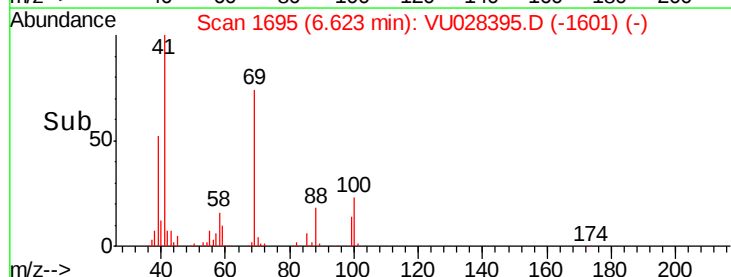
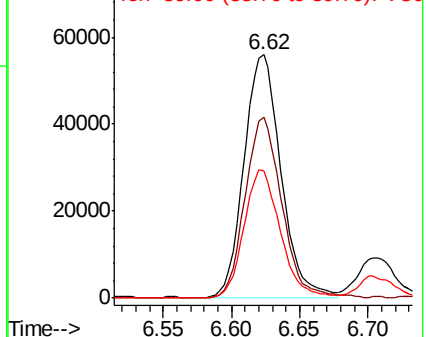
41 100

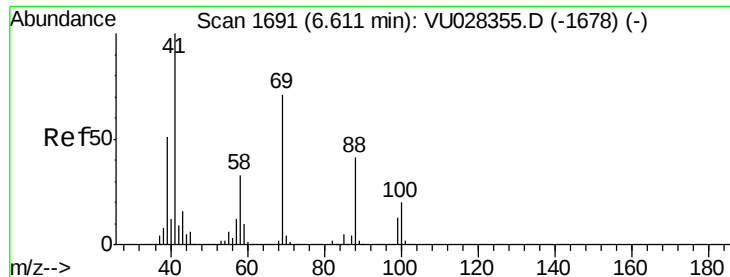
69 73.5 59.0 88.4

39 51.1 40.5 60.7



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

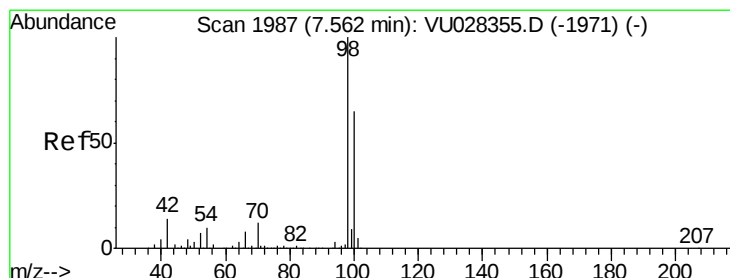
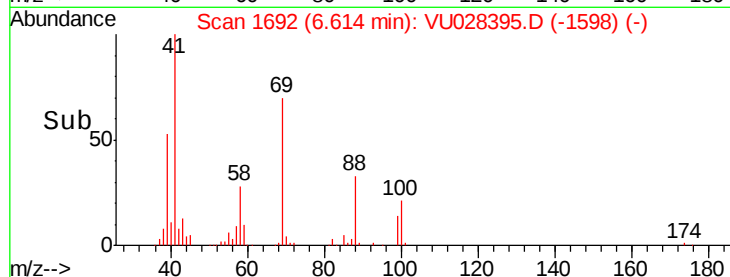
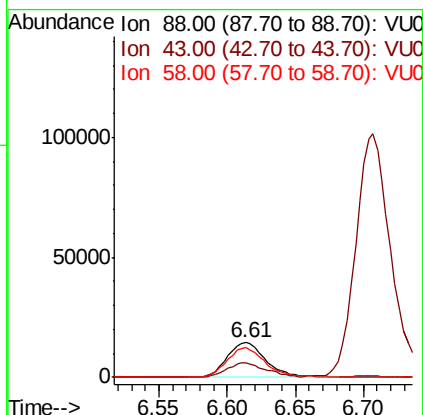
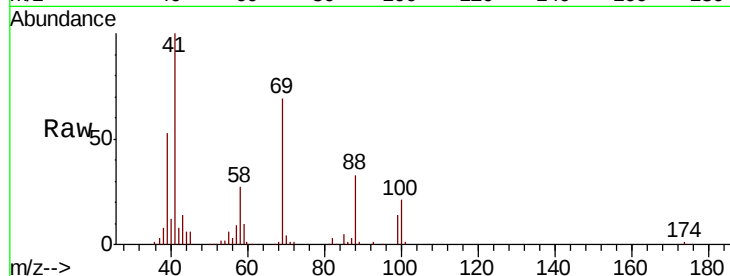




#49
1,4-Dioxane
Concen: 331.216 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

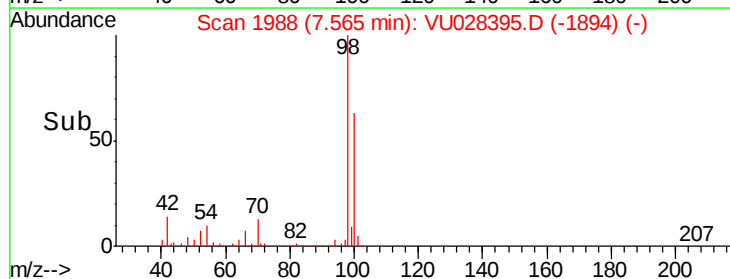
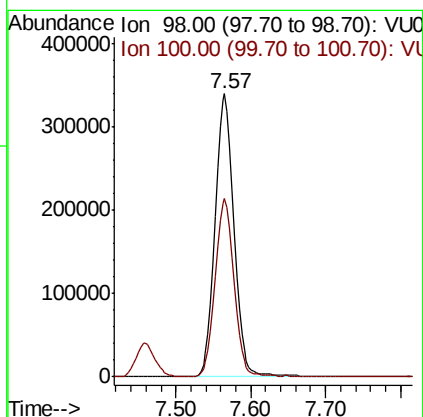
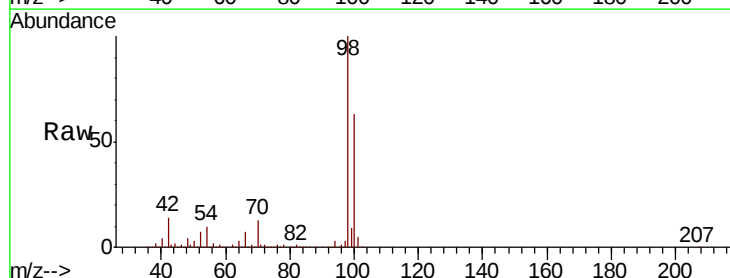
Instrument :
MSVOA_U
ClientSampled :

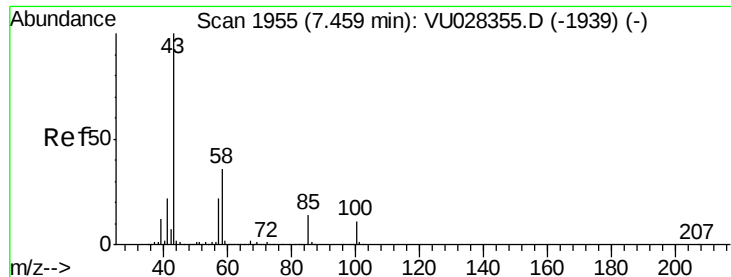
Tot Ion: 88 Resp: 29033
Ion Ratio Lower Upper
88 100
43 39.5 32.6 48.8
58 84.1 68.7 103.1



#50
Toluene-d8
Concen: 50.759 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 98 Resp: 601697
Ion Ratio Lower Upper
98 100
100 61.9 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 98.338 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

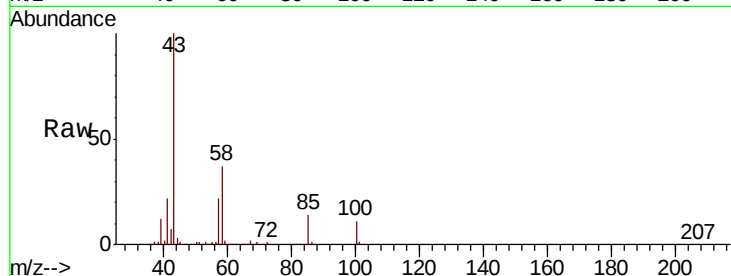
ClientSampled :

Tot Ion: 43 Resp: 661587

Ion Ratio Lower Upper

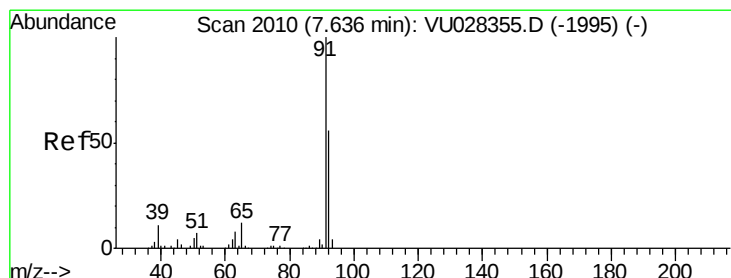
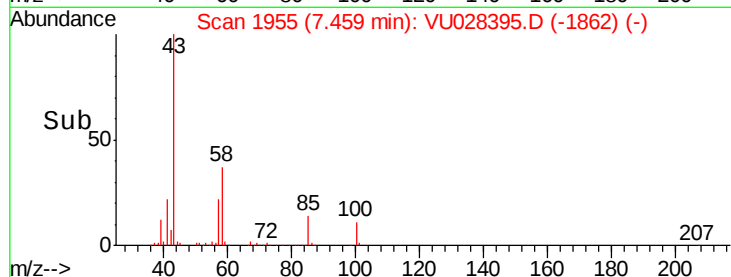
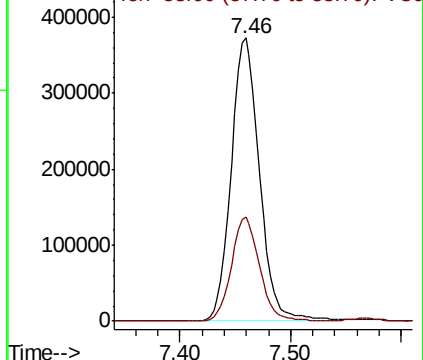
43 100

58 36.4 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.377 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028395.D

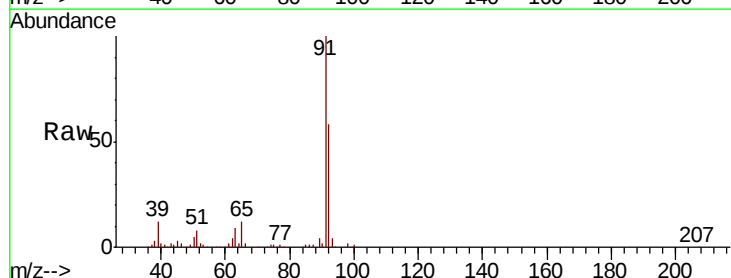
Acq: 29 Nov 2018 15:47

Tgt Ion: 92 Resp: 169518

Ion Ratio Lower Upper

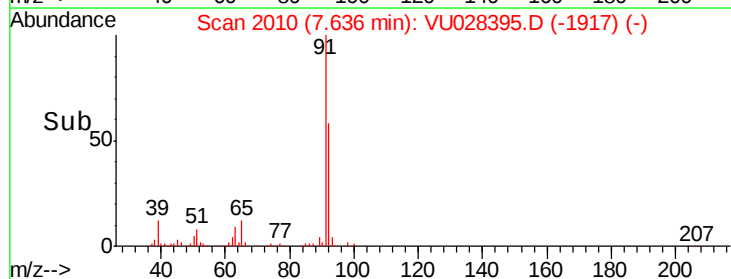
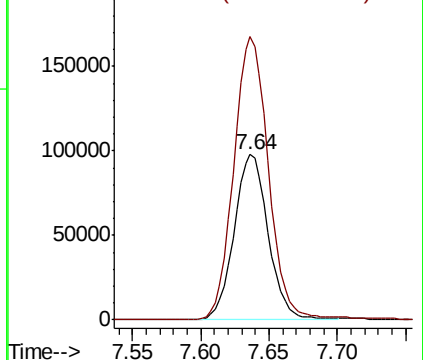
92 100

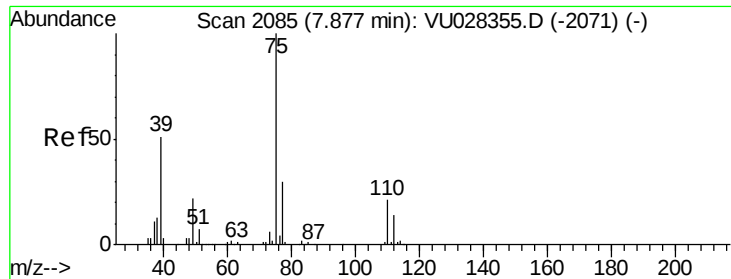
91 175.1 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 19.147 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

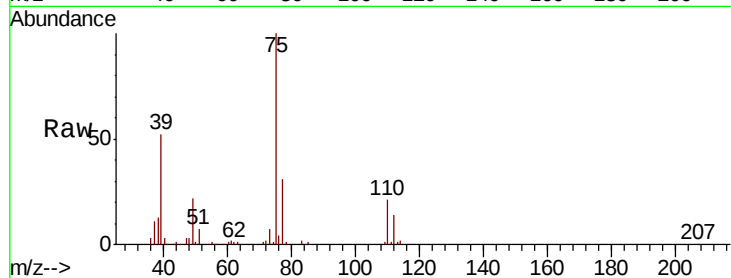
ClientSampleId :

Tot Ion: 75 Resp: 110665

Ion Ratio Lower Upper

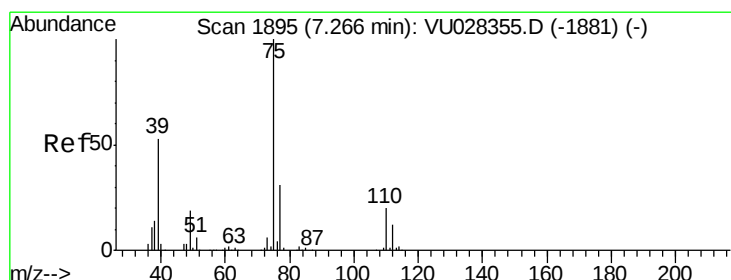
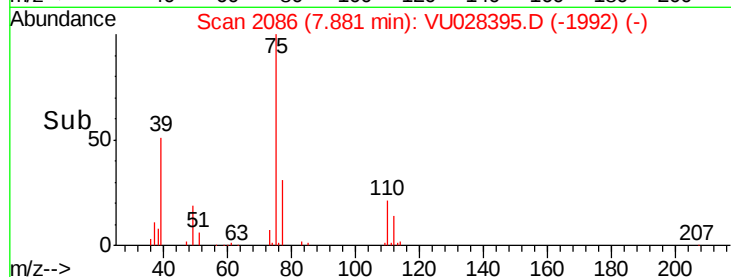
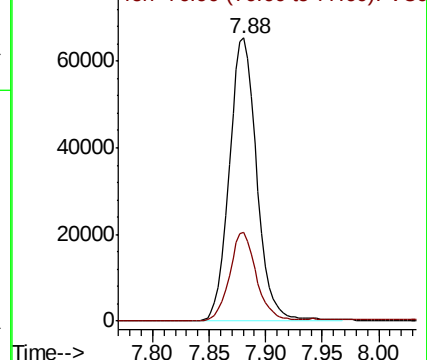
75 100

77 31.2 24.1 36.1



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: 19.246 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

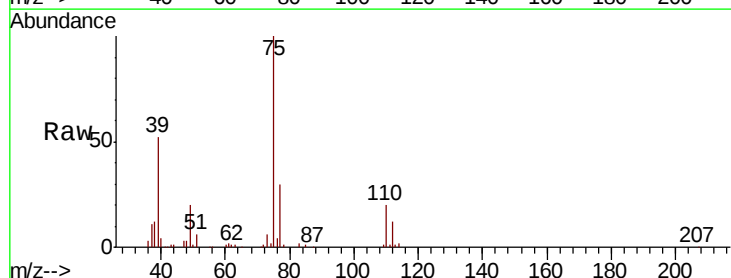
Tgt Ion: 75 Resp: 119168

Ion Ratio Lower Upper

75 100

77 29.5 24.9 37.3

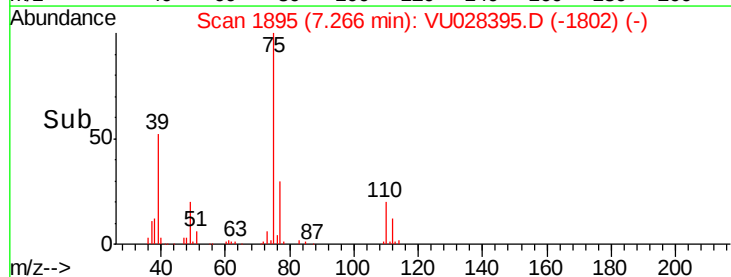
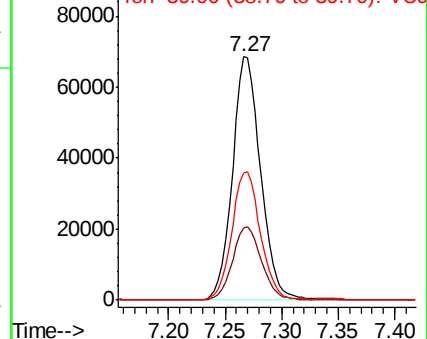
39 52.5 42.6 64.0

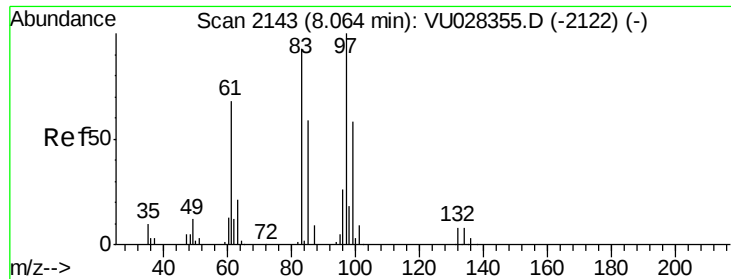


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



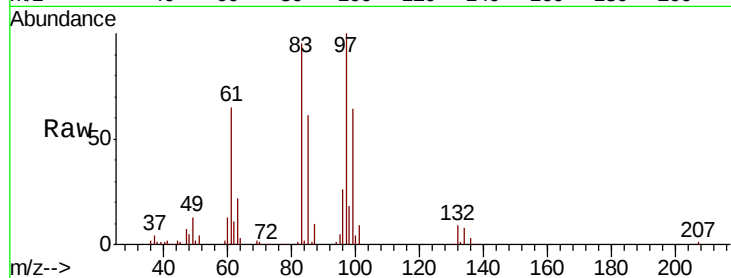


#55
 1,1,2-Trichloroethane
 Concen: 19.288 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 66782

Ion	Ratio	Lower	Upper
97	100		
83	94.9	74.3	111.5
85	60.5	47.2	70.8
99	63.7	48.9	73.3



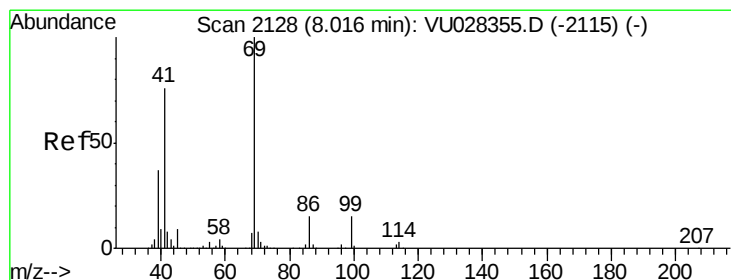
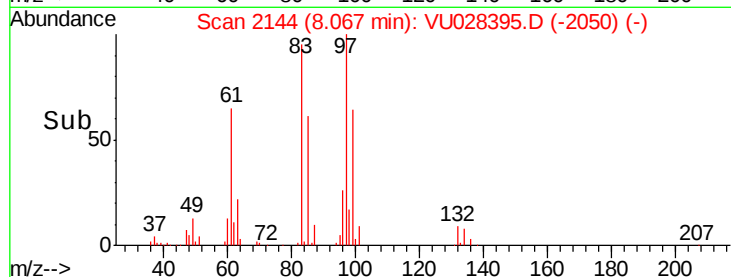
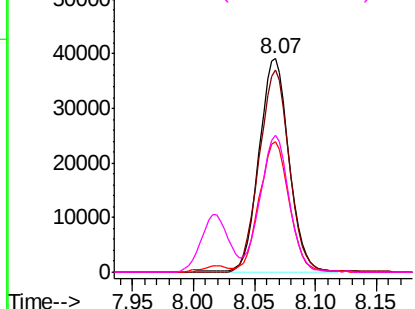
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

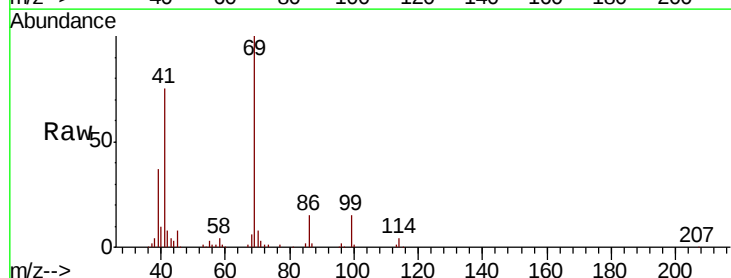
Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 19.672 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 69 Resp: 115874

Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.0	90.0
39	37.2	29.0	43.6

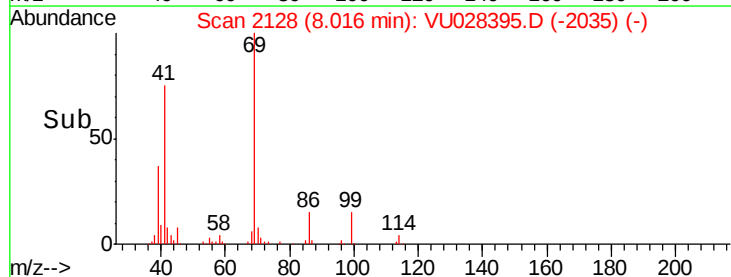
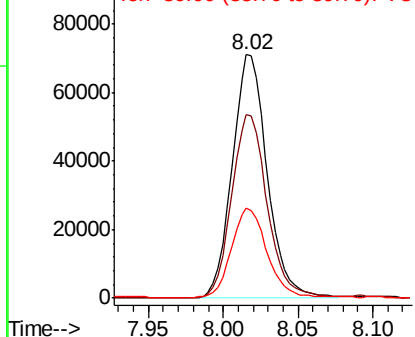


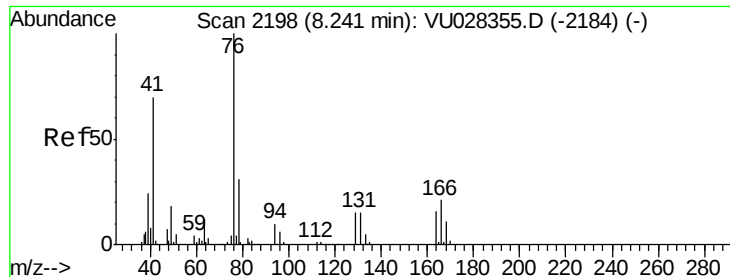
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 19.902 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

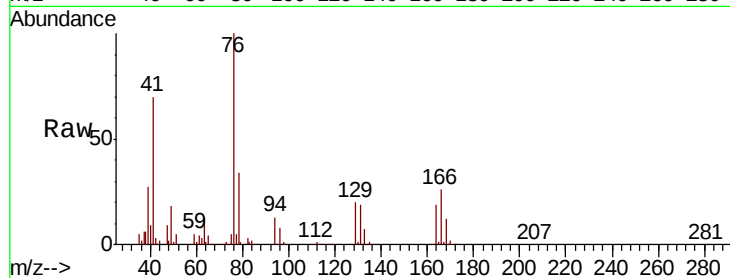
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 76 Resp: 126365

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

80000

60000

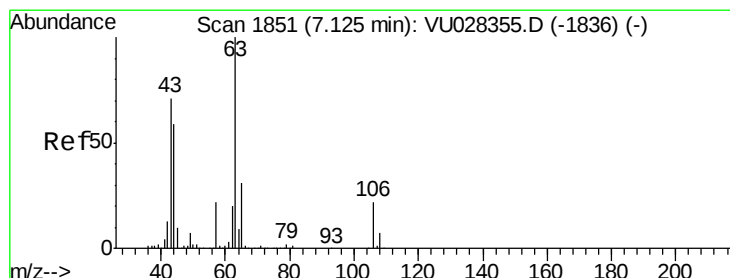
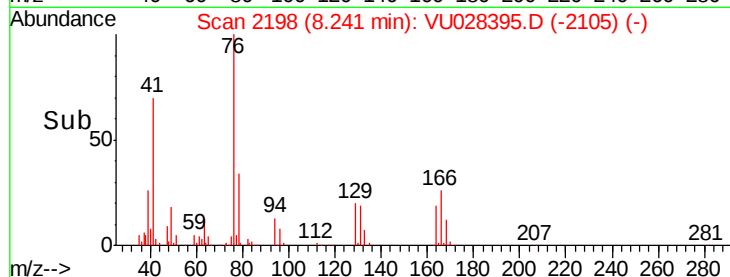
40000

20000

0

Time-->

8.20 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 94.573 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028395.D

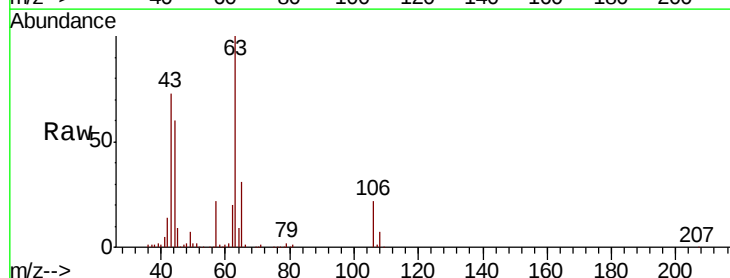
Acq: 29 Nov 2018 15:47

Tgt Ion: 63 Resp: 299071

Ion Ratio Lower Upper

63 100

106 21.4 17.3 25.9



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

200000

150000

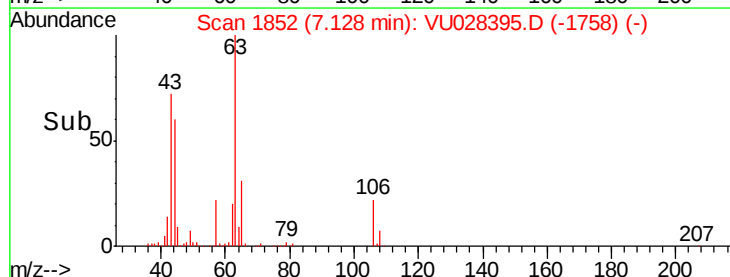
100000

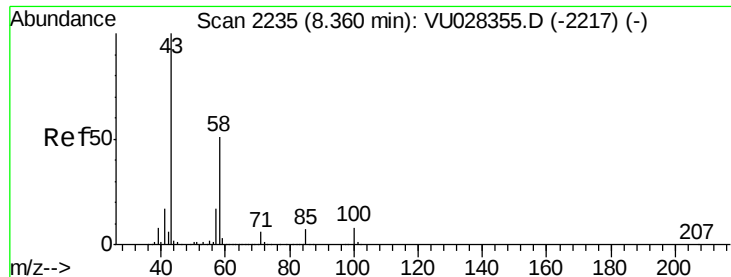
50000

0

Time-->

7.00 7.10 7.20

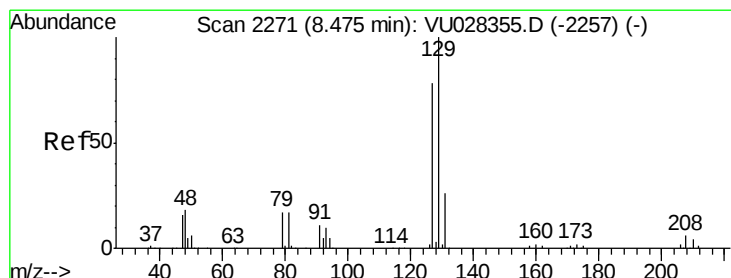
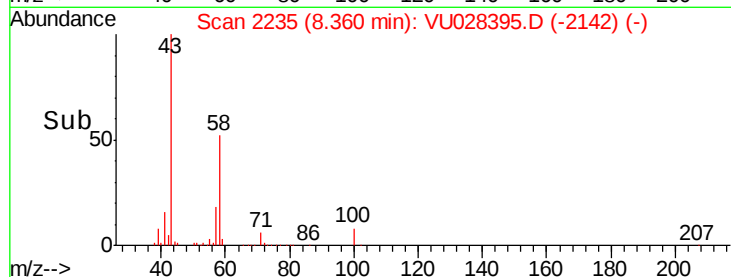
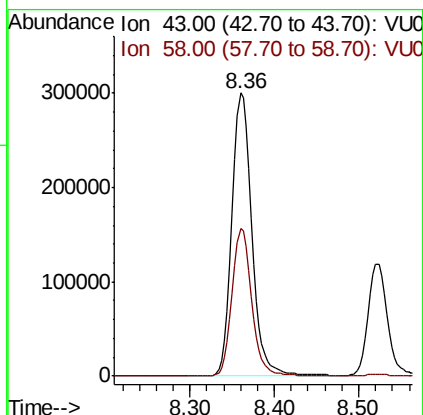
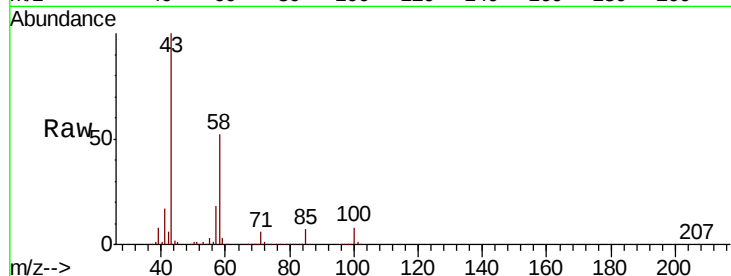




#59
2-Hexanone
Concen: 95.573 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

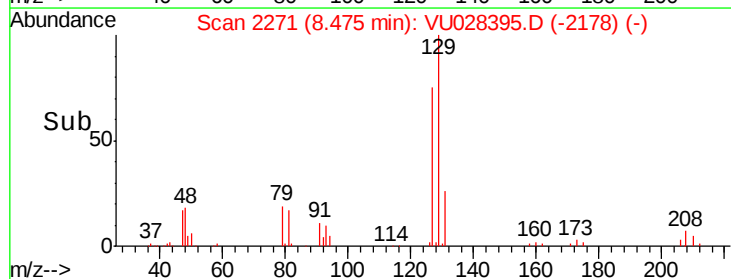
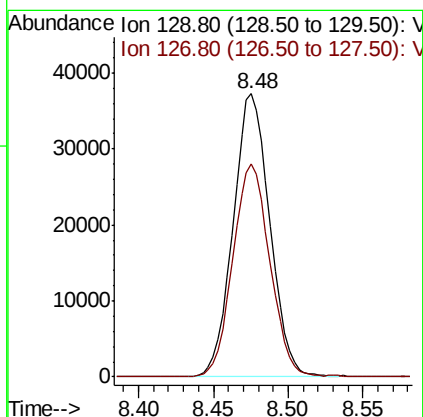
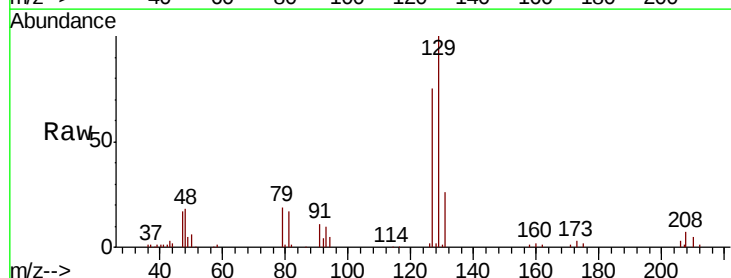
Instrument :
MSVOA_U
ClientSampleId :

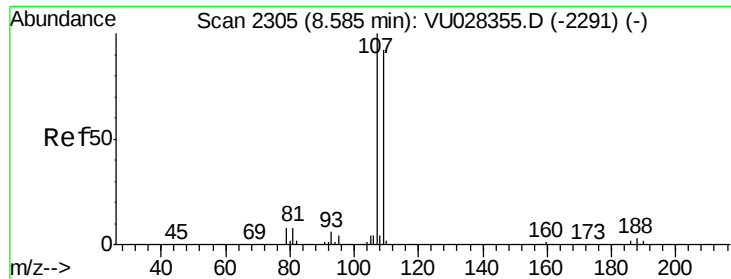
Tot Ion: 43 Resp: 498056
Ion Ratio Lower Upper
43 100
58 51.4 25.5 76.5



#60
Dibromochloromethane
Concen: 19.320 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 129 Resp: 63617
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.7

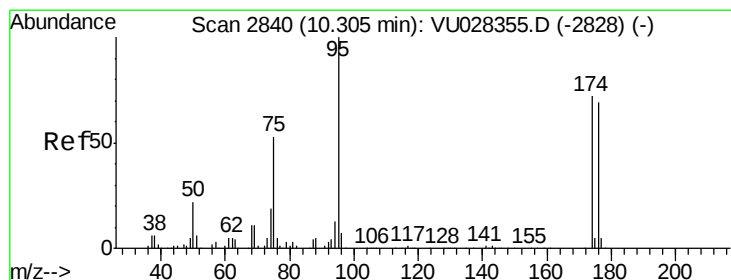
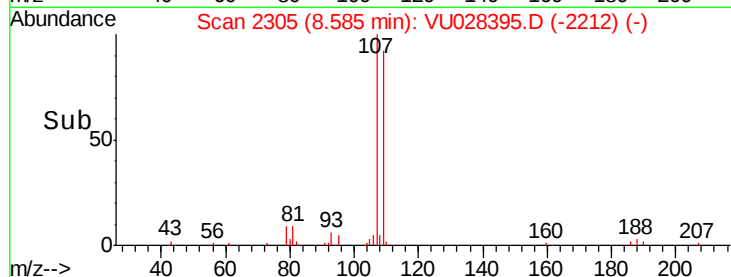
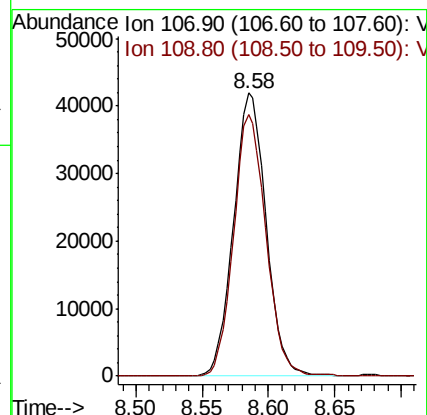
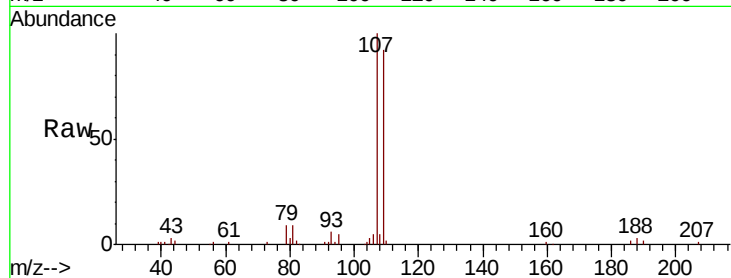




#61
 1,2-Dibromoethane
 Concen: 20.198 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

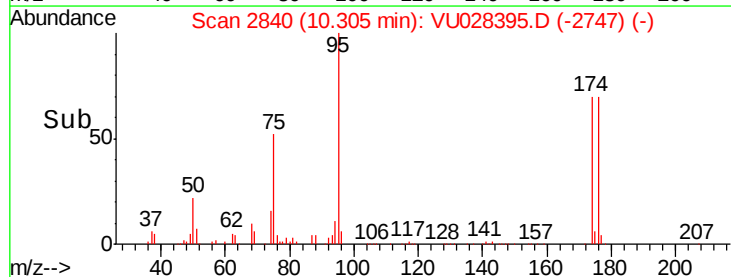
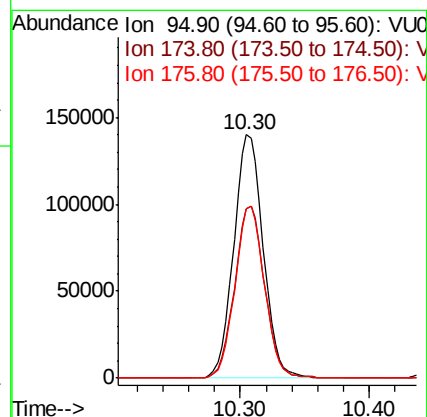
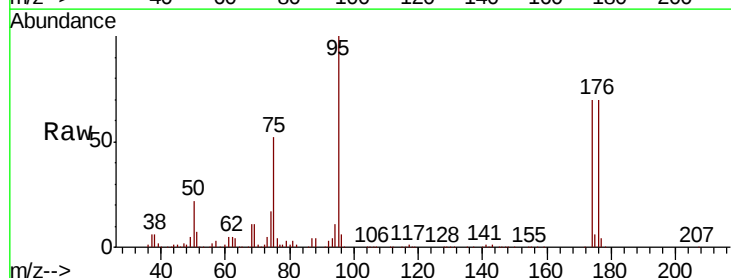
Instrument :
 MSVOA_U
 ClientSampleId :

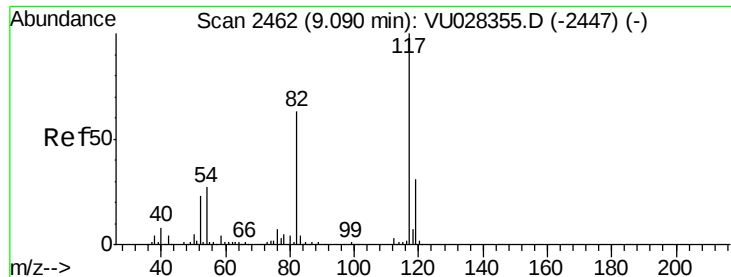
Tot Ion:107 Resp: 71625
 Ion Ratio Lower Upper
 107 100
 109 91.7 73.2 109.8



#62
 4-Bromofluorobenzene
 Concen: 52.015 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion: 95 Resp: 222236
 Ion Ratio Lower Upper
 95 100
 174 71.7 0.0 145.4
 176 70.4 0.0 140.8

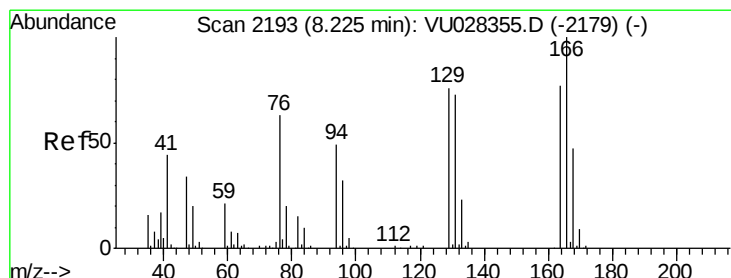
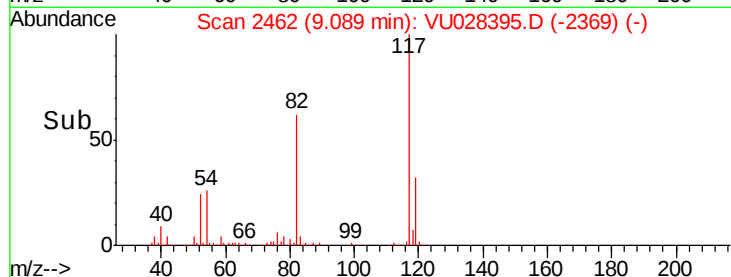
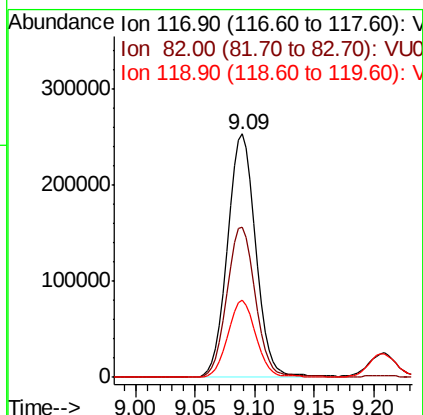
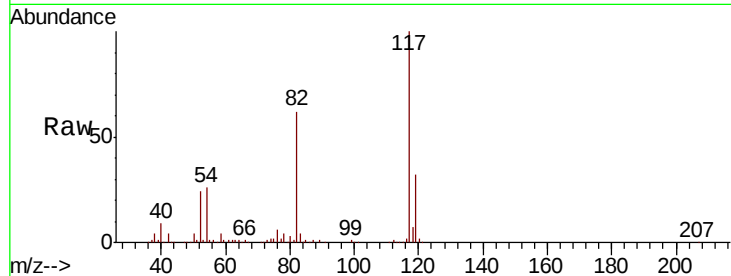




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

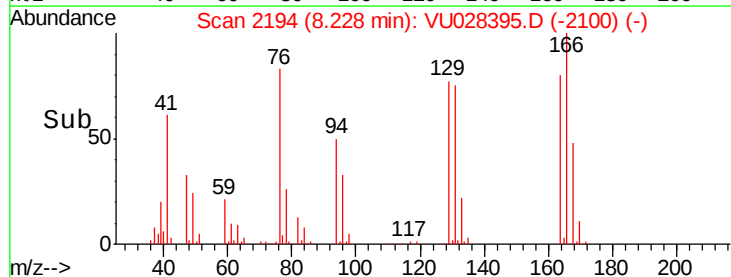
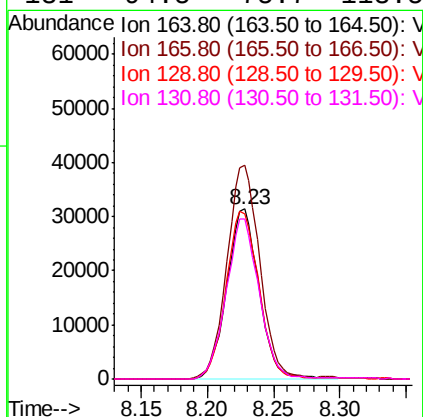
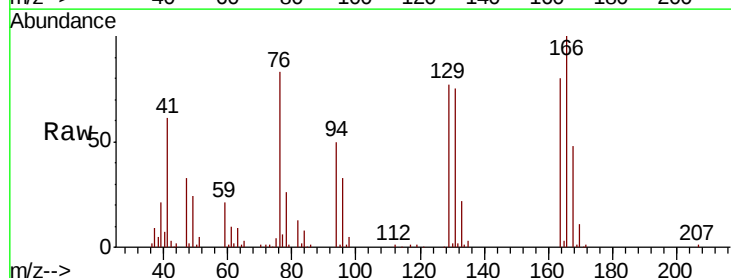
Instrument :
MSVOA_U
ClientSampleId :

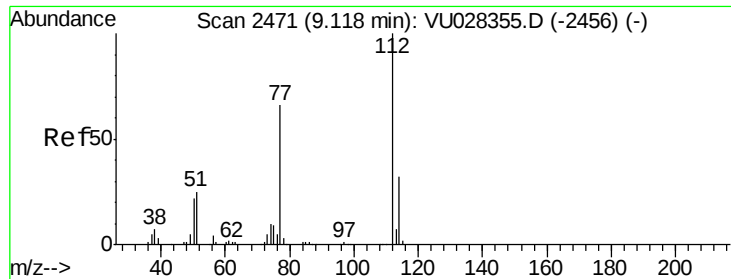
Tot Ion:117 Resp: 418312
Ion Ratio Lower Upper
117 100
82 61.8 50.3 75.5
119 31.7 24.8 37.2



#64
Tetrachloroethene
Concen: 19.238 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion:164 Resp: 52936
Ion Ratio Lower Upper
164 100
166 125.7 104.0 156.0
129 97.3 79.2 118.8
131 94.5 75.7 113.5

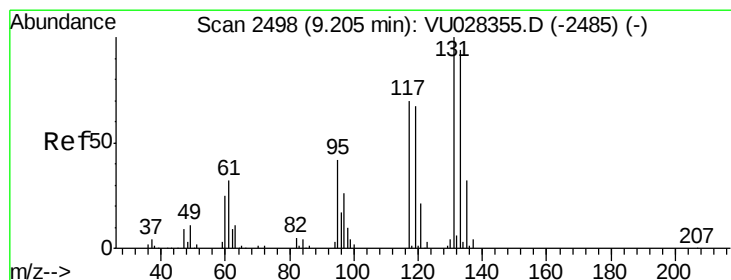
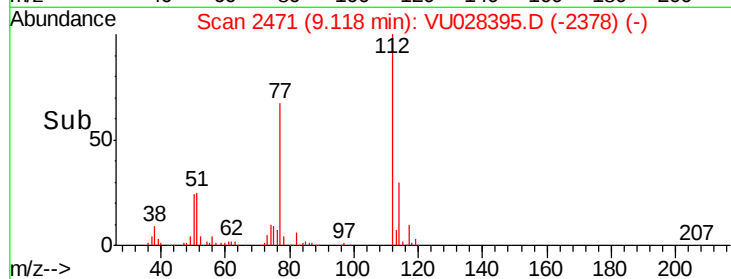
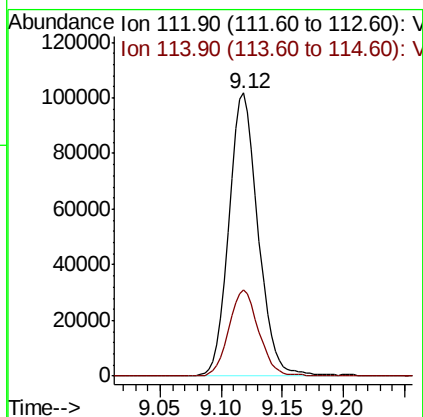
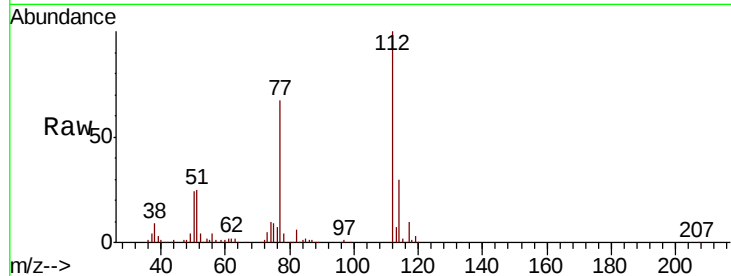




#65
Chlorobenzene
Concen: 19.614 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

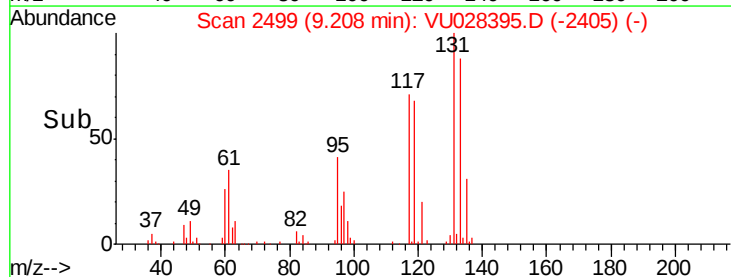
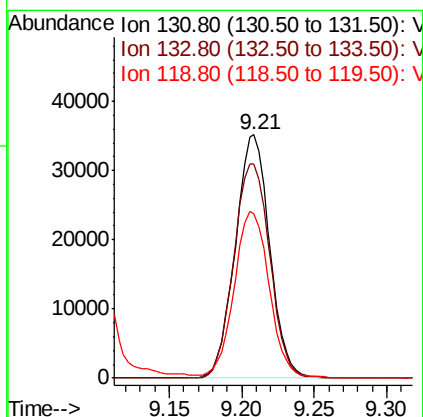
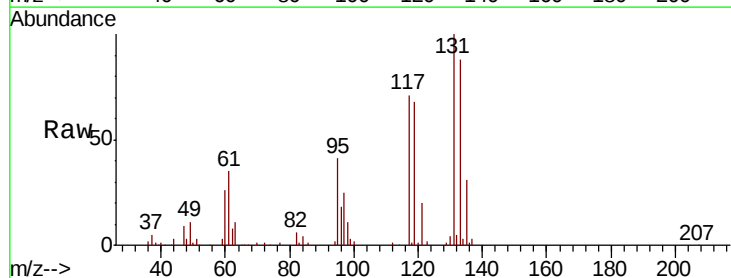
Instrument :
MSVOA_U
ClientSampleId :

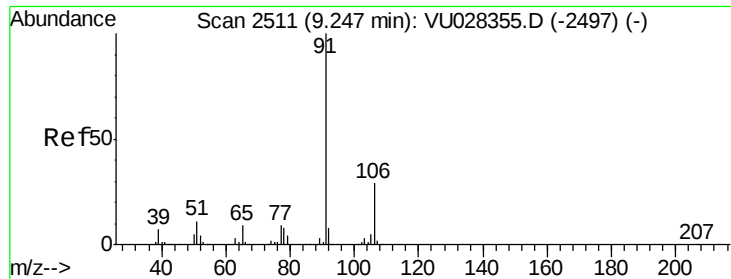
Tot Ion:112 Resp: 170370
Ion Ratio Lower Upper
112 100
114 30.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.462 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion:131 Resp: 57943
Ion Ratio Lower Upper
131 100
133 92.5 47.3 141.8
119 70.3 34.1 102.2

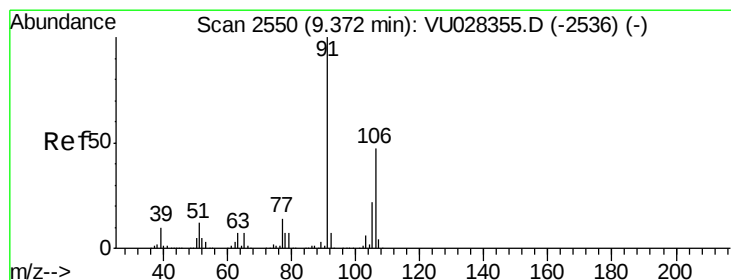
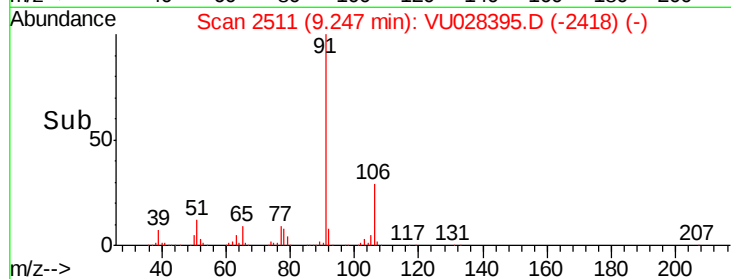
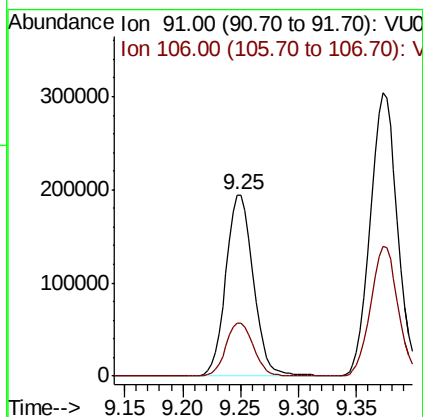
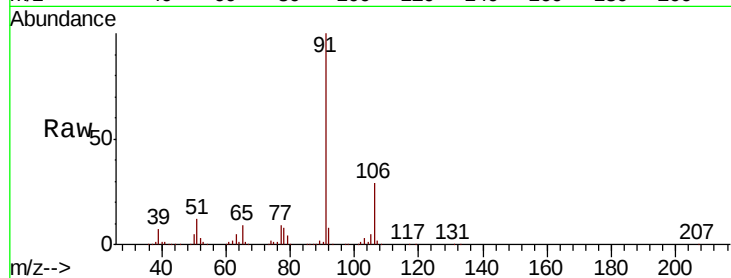




#67
Ethyl Benzene
Concen: 19.643 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

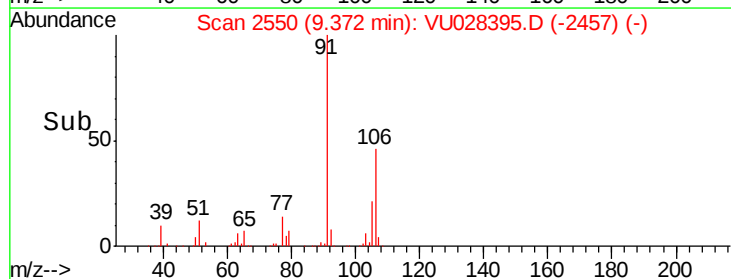
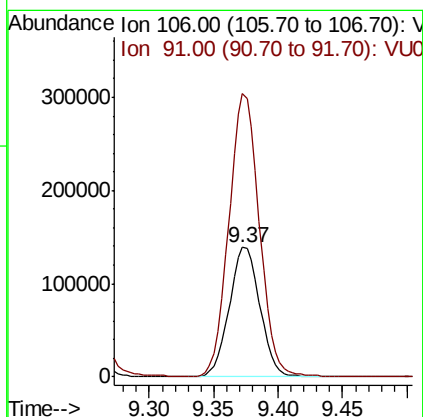
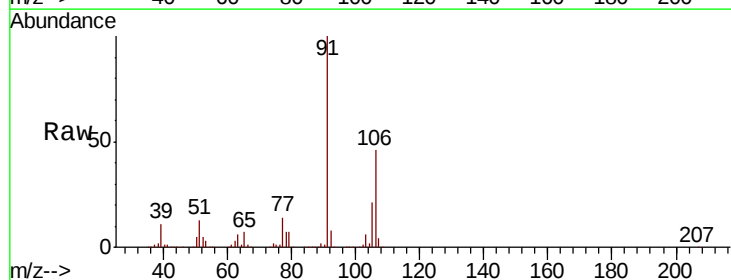
Instrument :
MSVOA_U
ClientSampleId :

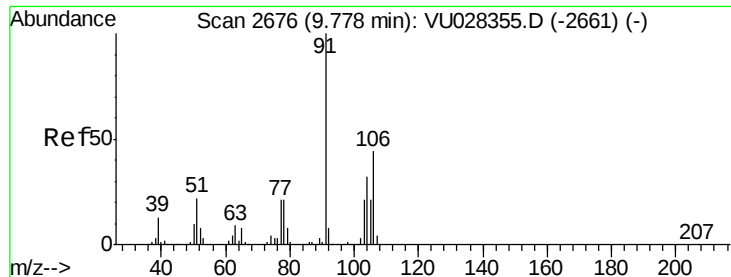
Tot Ion: 91 Resp: 321343
Ion Ratio Lower Upper
91 100
106 29.2 23.3 34.9



#68
m/p-Xylenes
Concen: 39.006 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 106 Resp: 229676
Ion Ratio Lower Upper
106 100
91 217.3 171.0 256.6

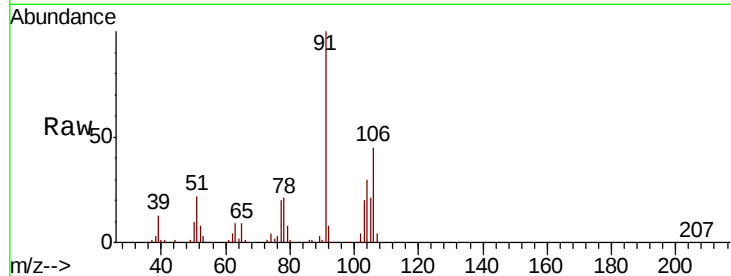




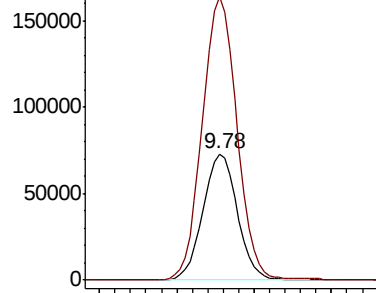
#69
o-Xylene
Concen: 19.181 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampled :

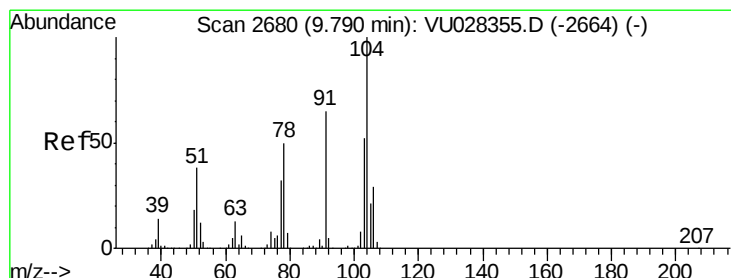
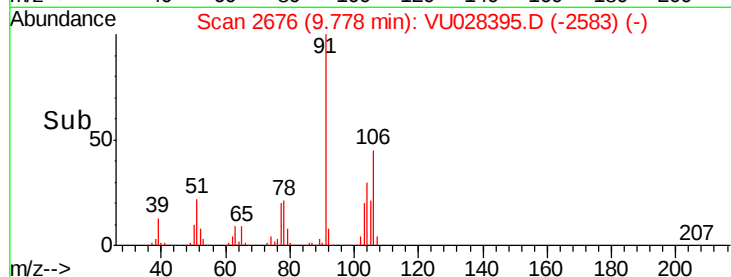
Tot Ion:106 Resp: 112274
Ion Ratio Lower Upper
106 100
91 226.3 112.7 338.0



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

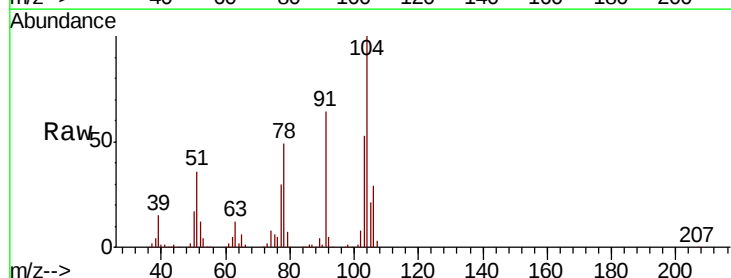


Time-->

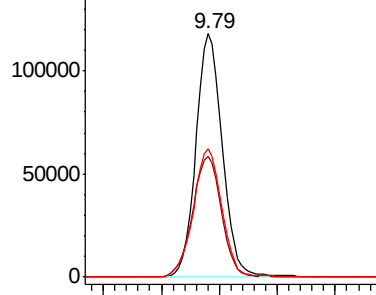


#70
Styrene
Concen: 19.794 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

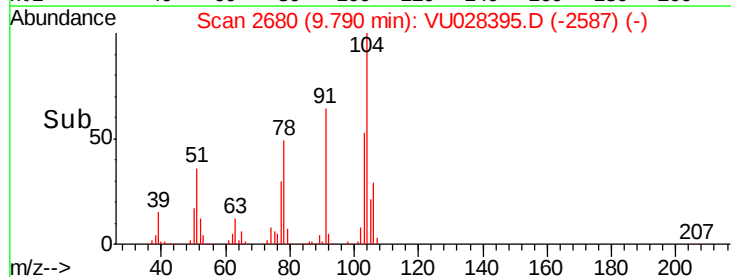
Tgt Ion:104 Resp: 186861
Ion Ratio Lower Upper
104 100
78 54.1 43.3 64.9
103 57.0 44.8 67.2

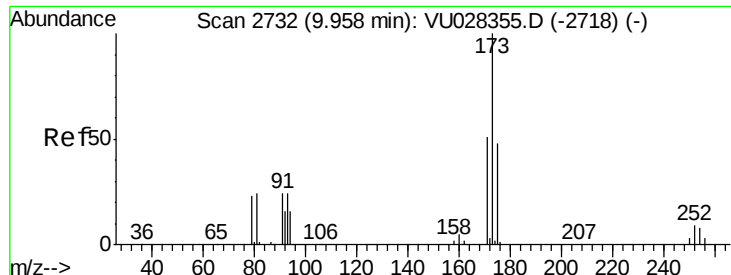


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 18.220 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

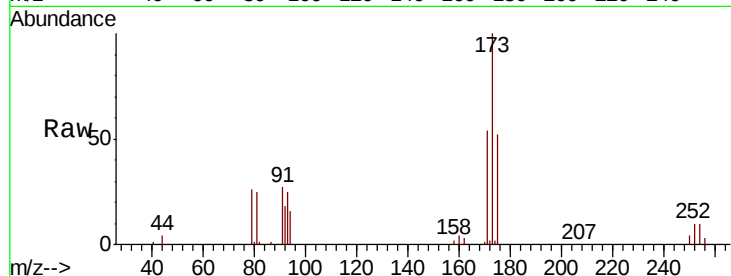
Tot Ion:173 Resp: 45597

Ion Ratio Lower Upper

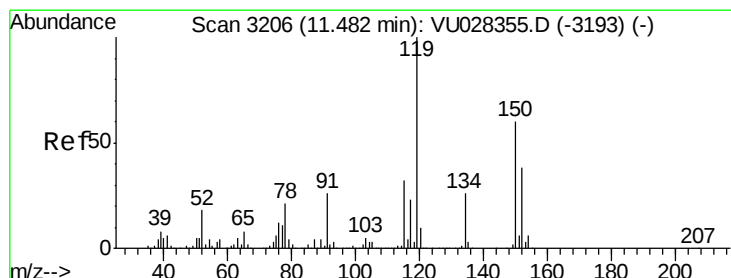
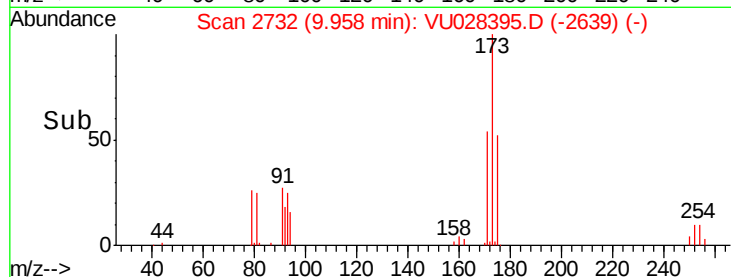
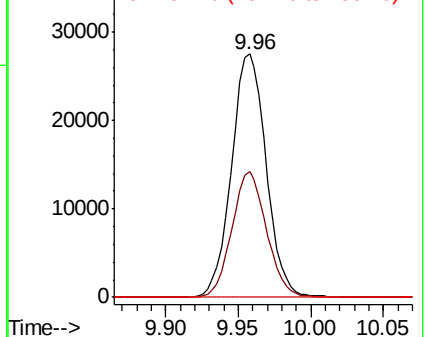
173 100

175 51.5 24.1 72.4

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: VU028395.D

Acq: 29 Nov 2018 15:47

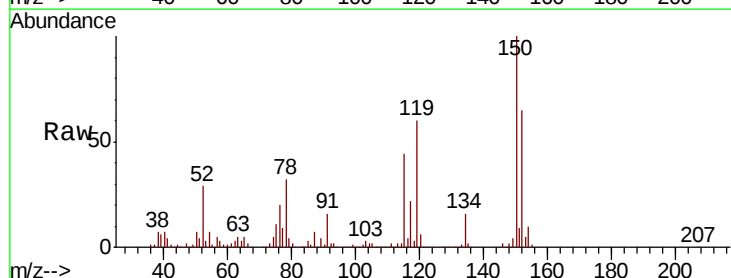
Tgt Ion:152 Resp: 205446

Ion Ratio Lower Upper

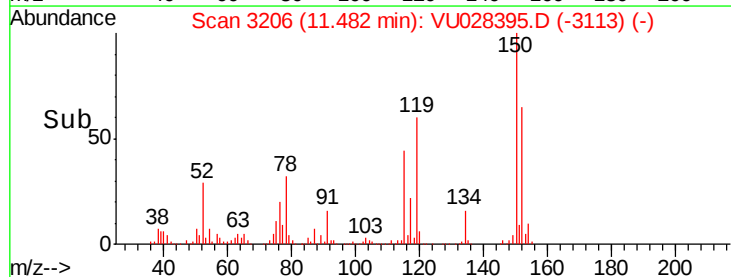
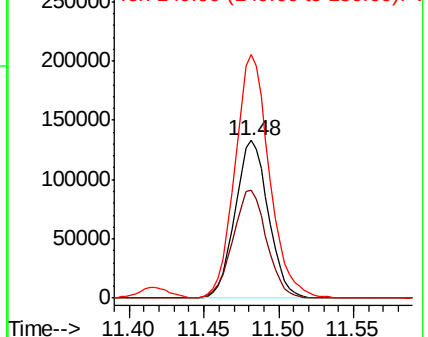
152 100

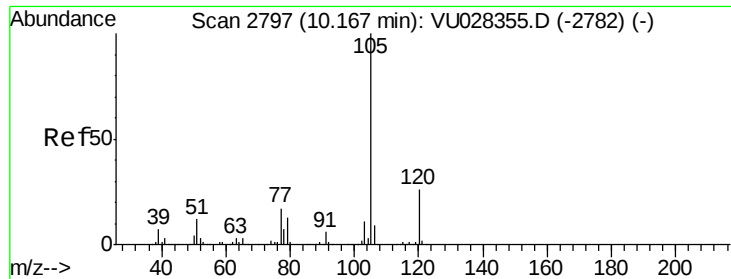
115 69.6 45.0 134.8

150 160.0 0.0 349.2



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: 18.958 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

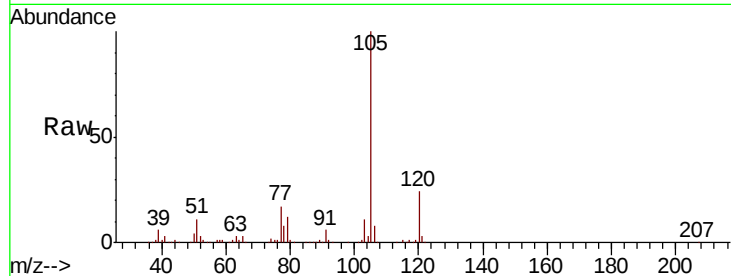
ClientSampleId :

Tot Ion:105 Resp: 302928

Ion Ratio Lower Upper

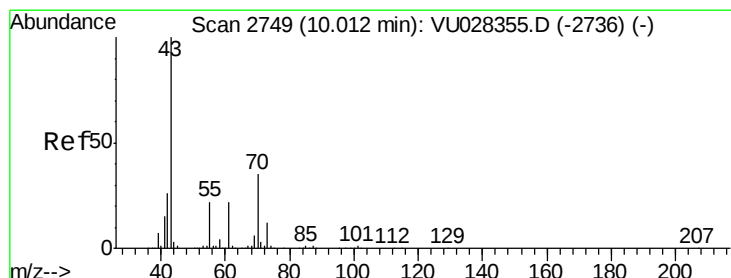
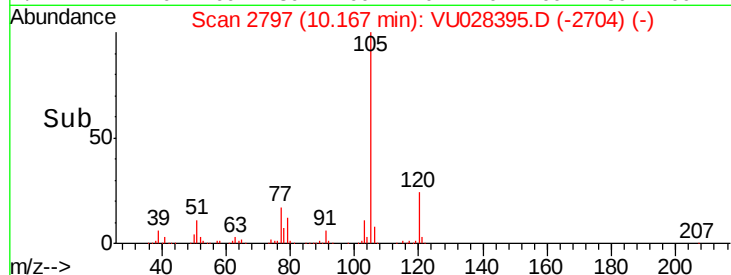
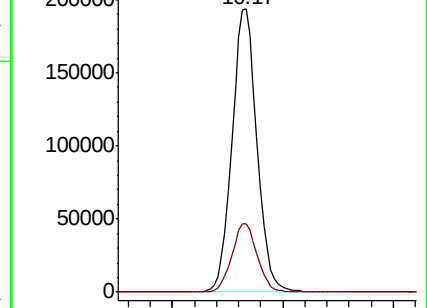
105 100

120 24.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.868 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Tgt Ion: 43 Resp: 178885

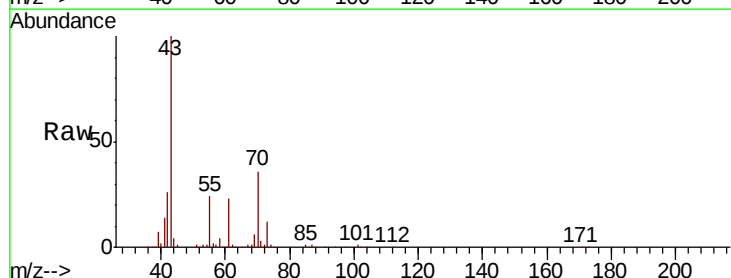
Ion Ratio Lower Upper

43 100

70 36.6 28.4 42.6

55 23.5 18.0 27.0

61 22.6 17.6 26.4

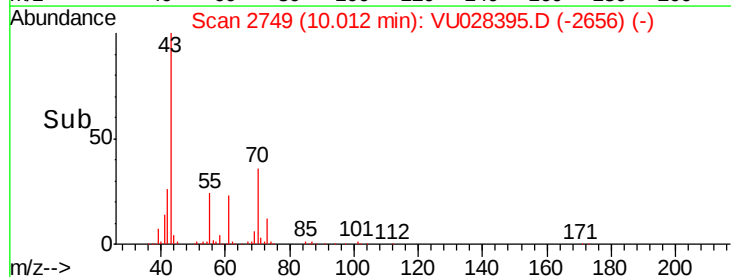
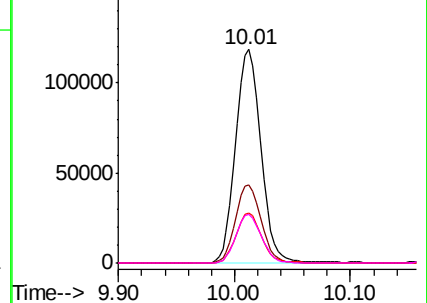


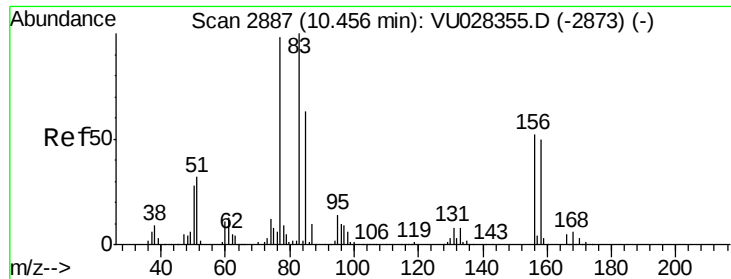
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.237 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampled :

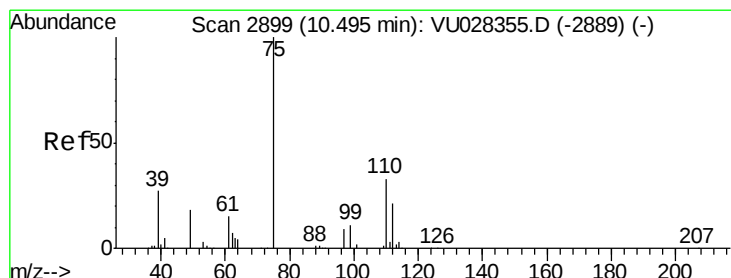
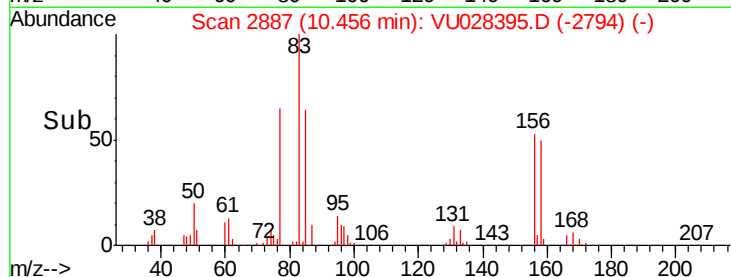
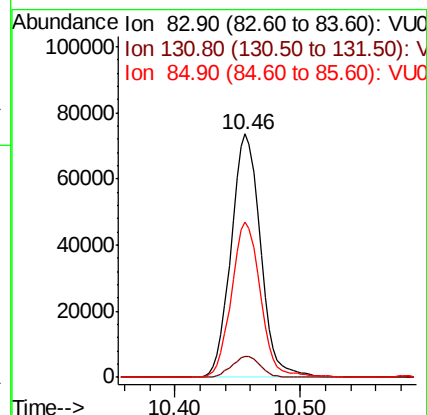
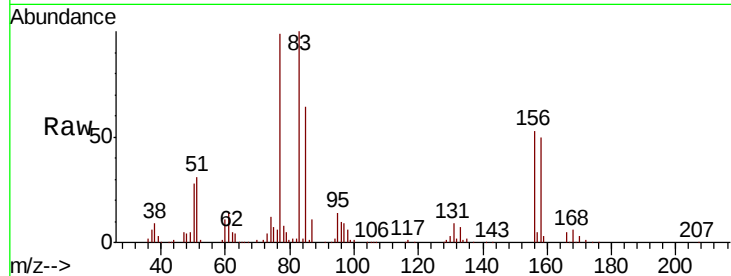
Tot Ion: 83 Resp: 119834

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.2

85 63.1 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 24.804 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028395.D

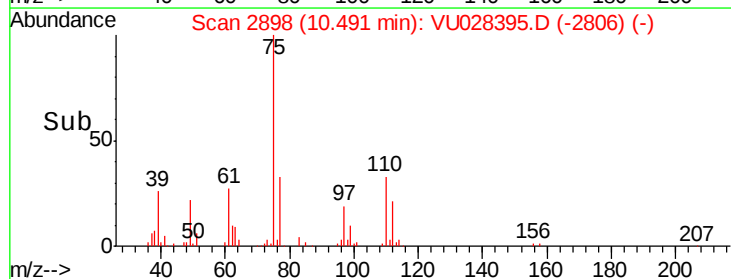
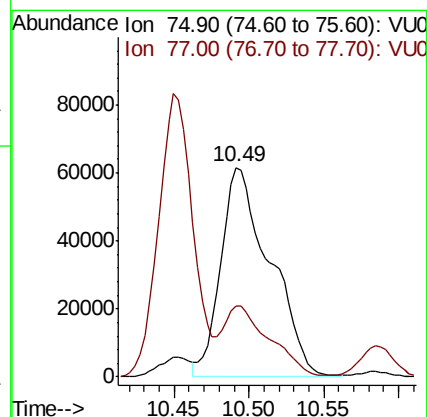
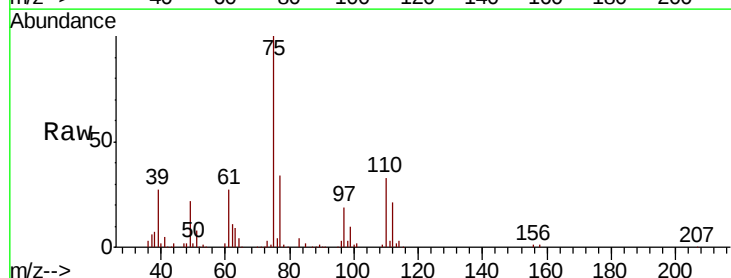
Acq: 29 Nov 2018 15:47

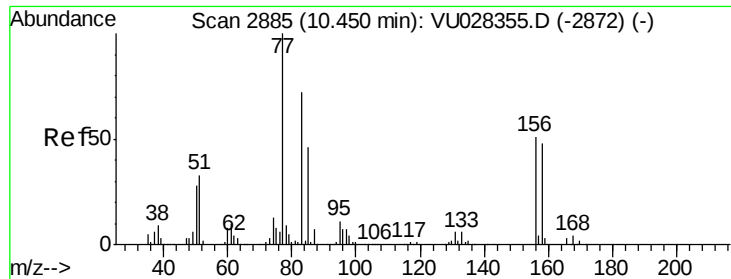
Tgt Ion: 75 Resp: 141311

Ion Ratio Lower Upper

75 100

77 31.1 22.4 67.0





#77

Bromobenzene

Concen: 18.077 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

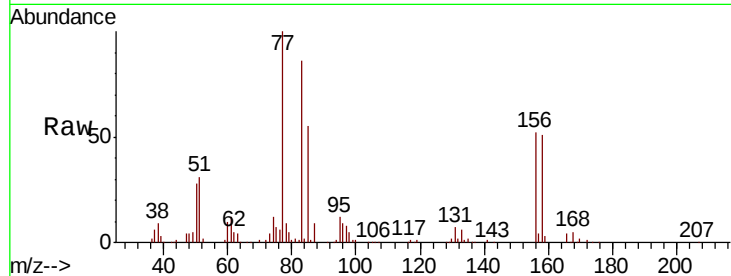
Tot Ion:156 Resp: 68061

Ion Ratio Lower Upper

156 100

77 198.4 97.0 290.9

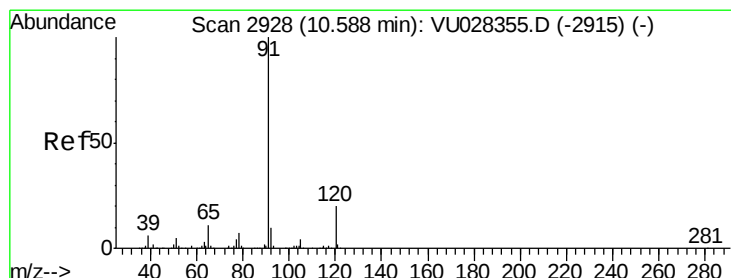
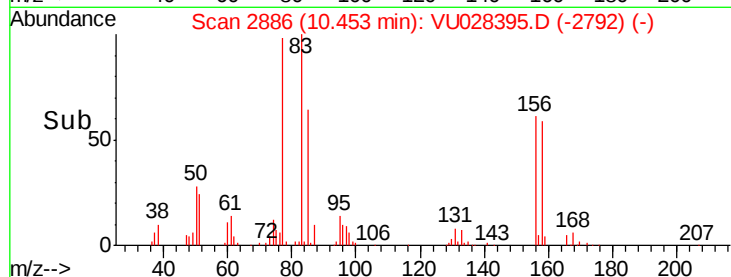
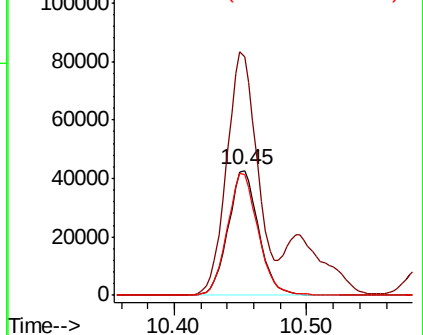
158 98.9 46.8 140.4



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: 19.137 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028395.D

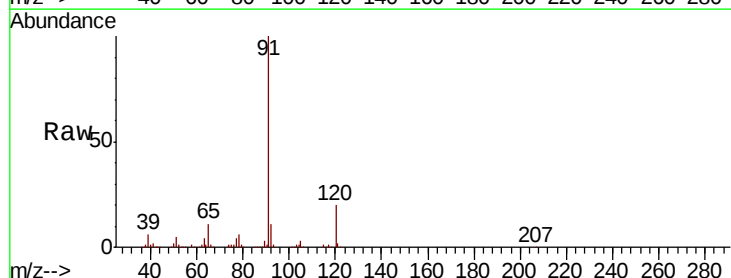
Acq: 29 Nov 2018 15:47

Tgt Ion: 91 Resp: 377230

Ion Ratio Lower Upper

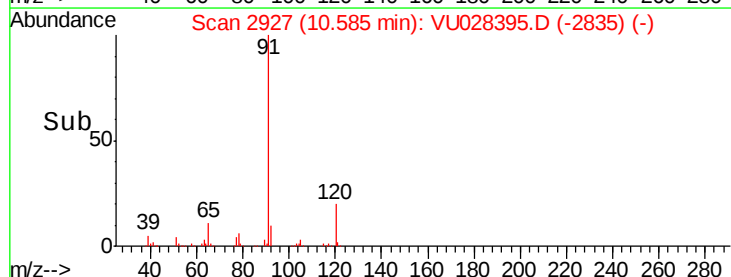
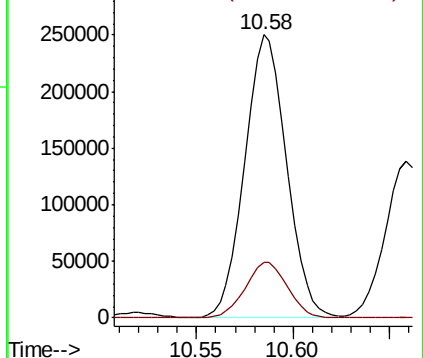
91 100

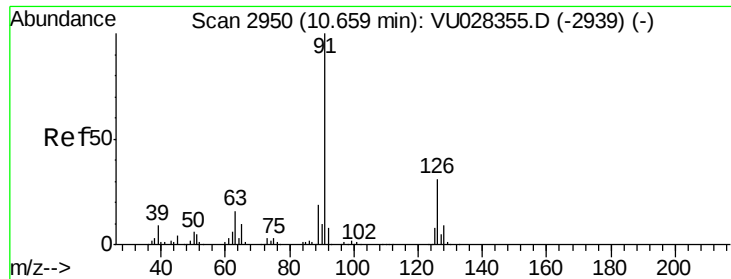
120 19.9 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.014 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

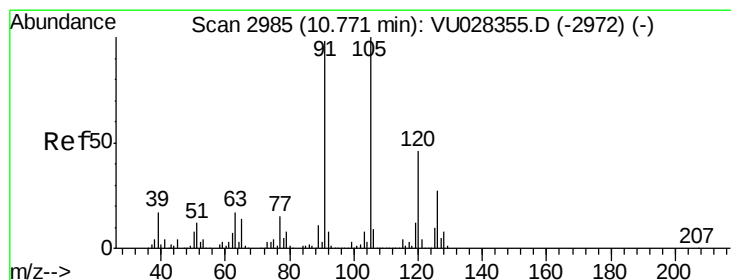
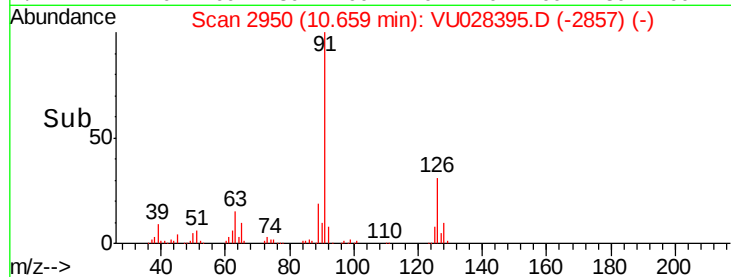
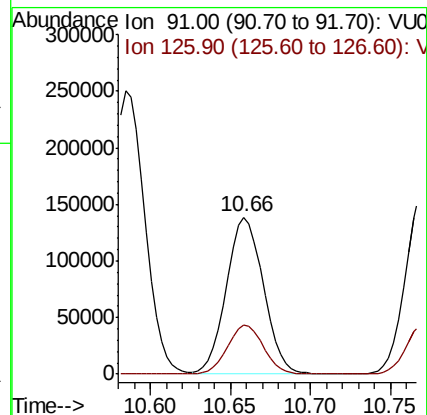
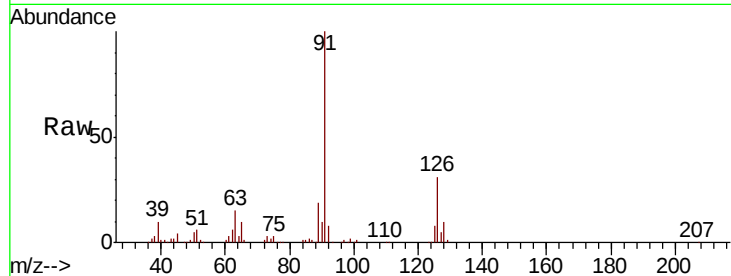
ClientSampleId :

Tot Ion: 91 Resp: 220941

Ion Ratio Lower Upper

91 100

126 30.3 15.4 46.1



#80

1,3,5-Trimethylbenzene

Concen: 18.594 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028395.D

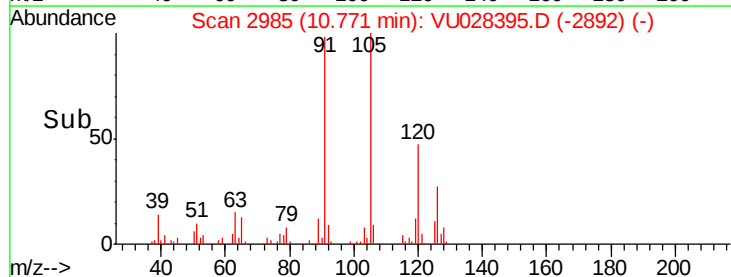
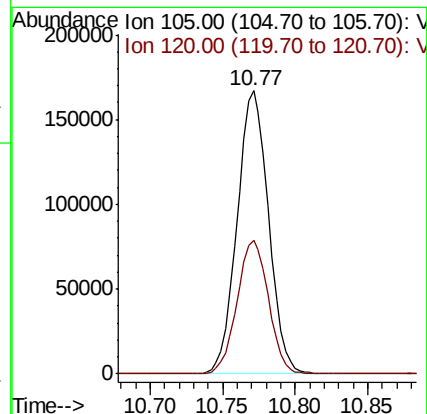
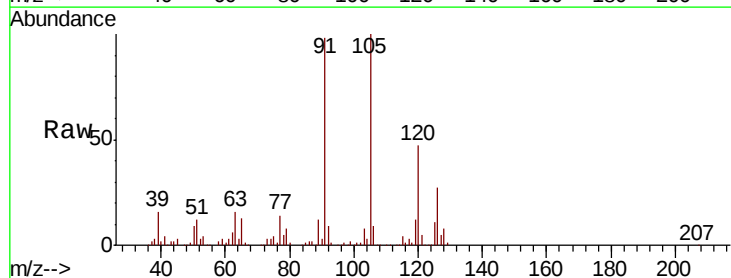
Acq: 29 Nov 2018 15:47

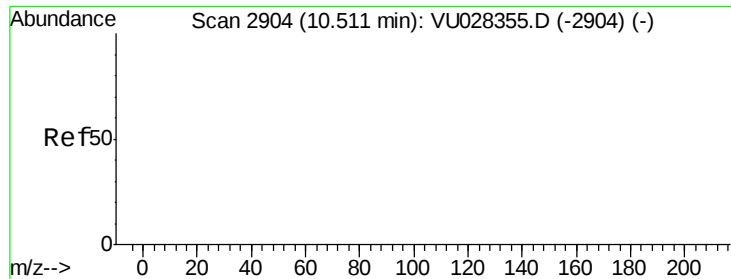
Tgt Ion:105 Resp: 250377

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0

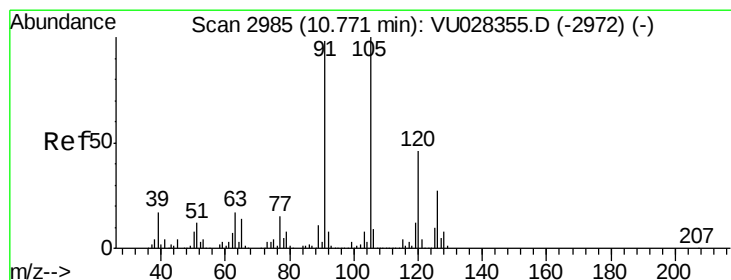
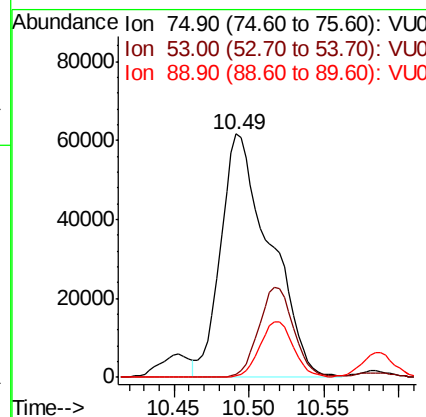
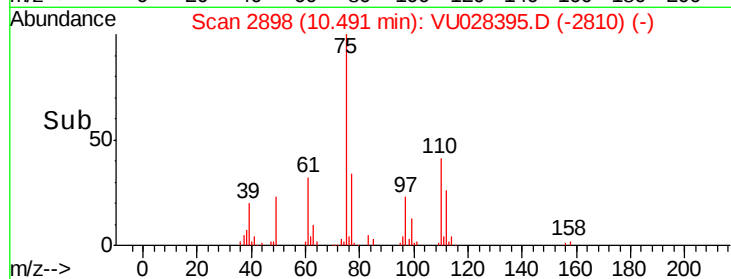
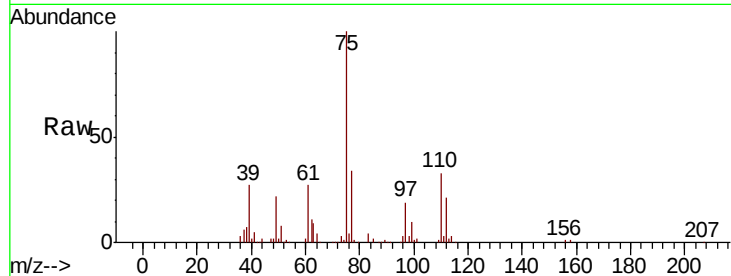




#81
trans-1,4-Dichloro-2-butene
Concen: 65.841 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

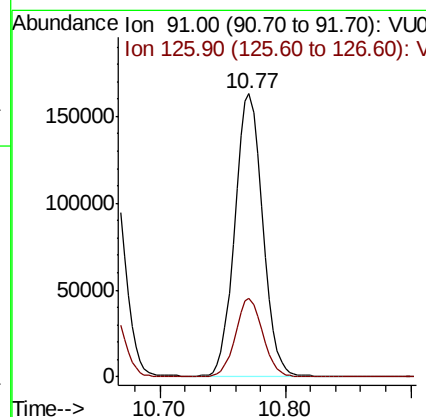
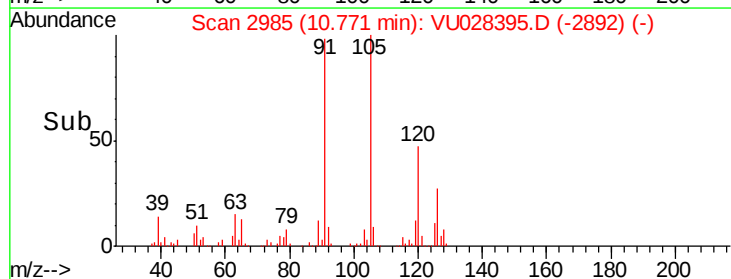
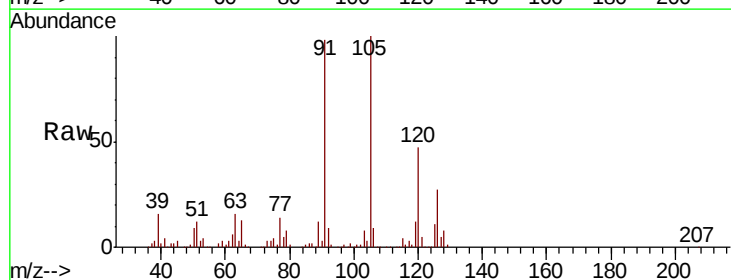
Instrument :
MSVOA_U
ClientSampled :

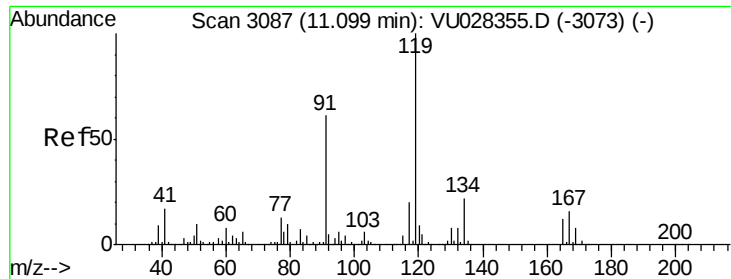
Tot Ion: 75 Resp: 141311
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 18.823 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion: 91 Resp: 252005
Ion Ratio Lower Upper
91 100
126 27.2 13.9 41.6

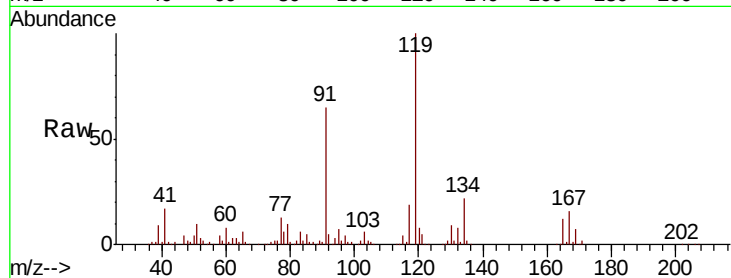




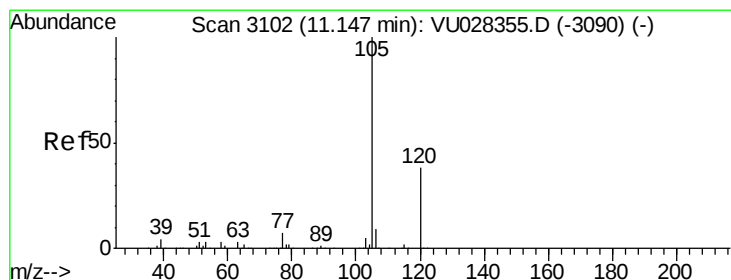
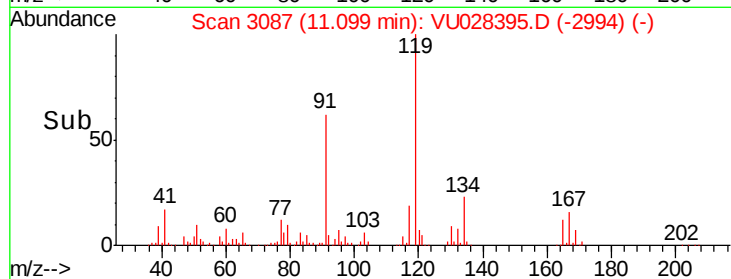
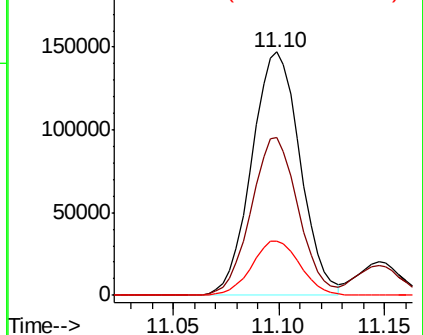
#83
 tert-Butylbenzene
 Concen: 18.754 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	30.8	92.4
134	22.2	11.1	33.1

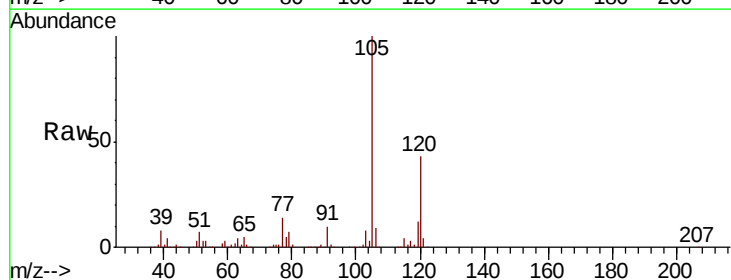


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

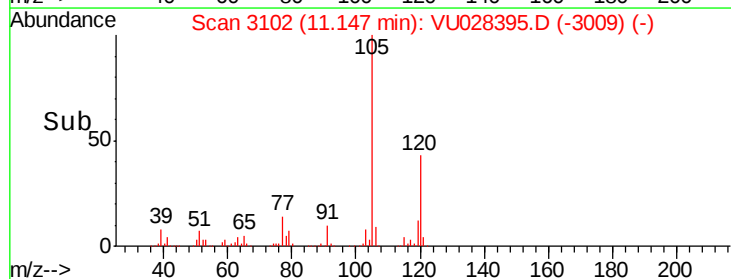
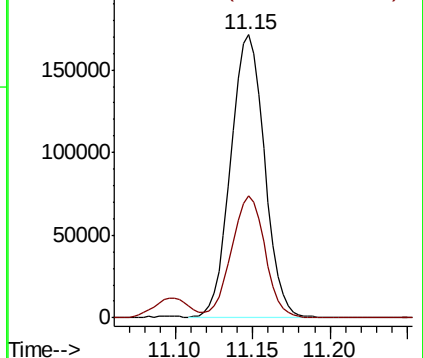


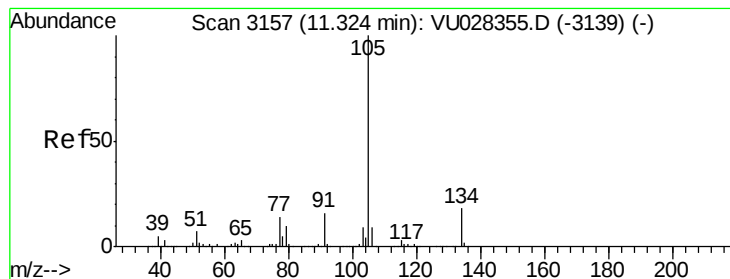
#84
 1,2,4-Trimethylbenzene
 Concen: 18.978 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.4	64.3



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





#85

sec-Butylbenzene

Concen: 18.814 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

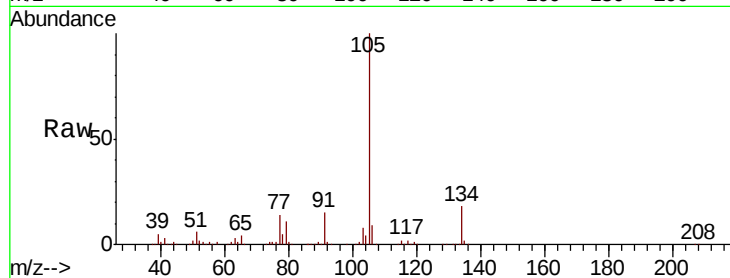
ClientSampleId :

Tot Ion:105 Resp: 306737

Ion Ratio Lower Upper

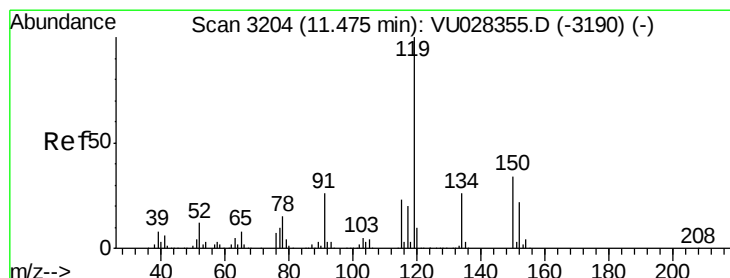
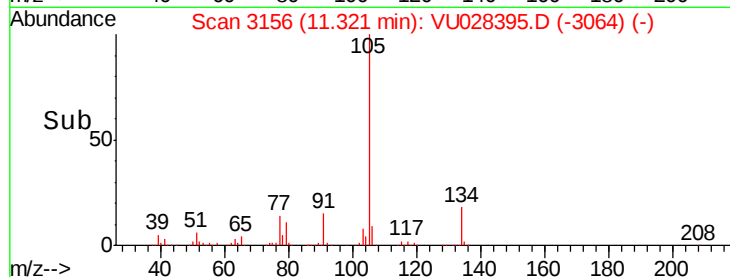
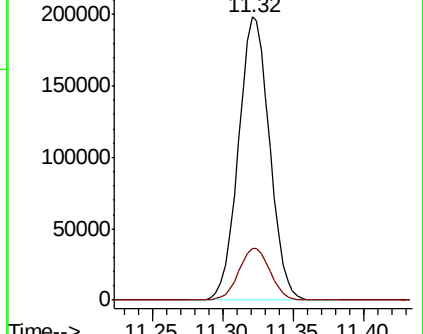
105 100

134 18.3 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.952 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

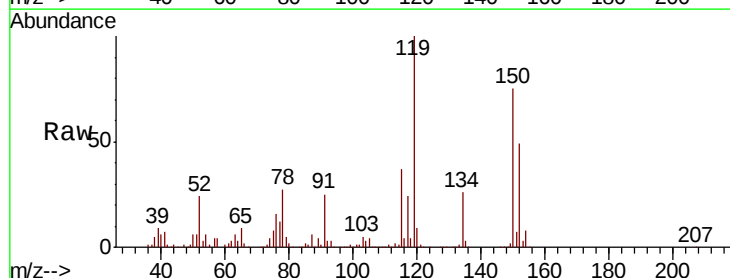
Tgt Ion:119 Resp: 254066

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

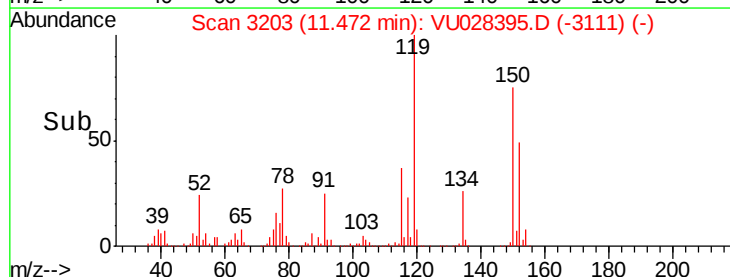
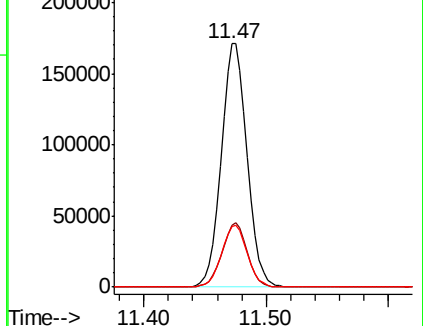
91 25.4 13.1 39.1

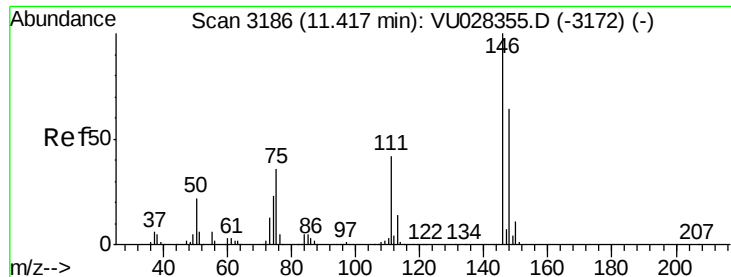


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 18.305 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampled :

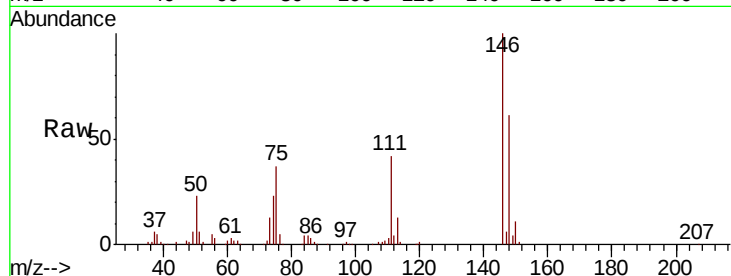
Tot Ion:146 Resp: 125703

Ion Ratio Lower Upper

146 100

111 42.1 20.8 62.4

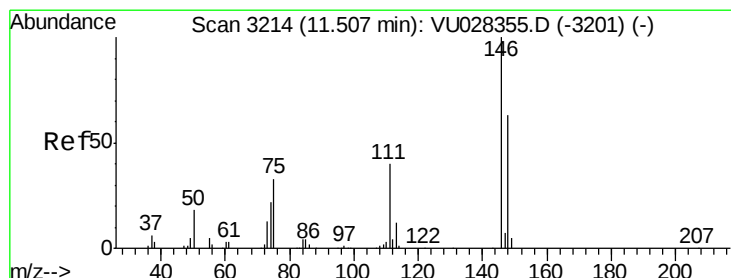
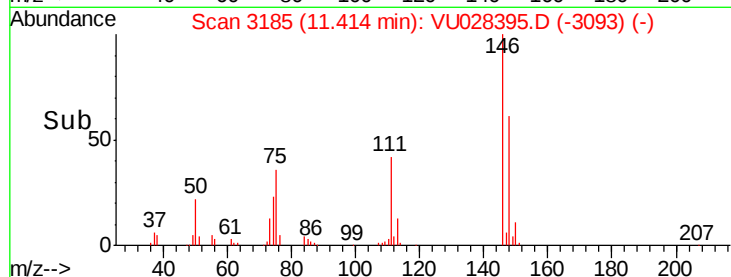
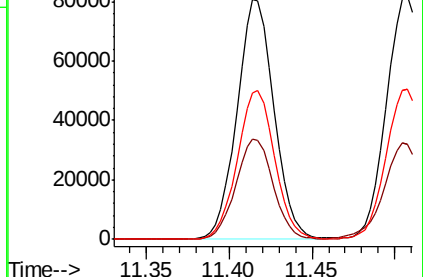
148 62.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.767 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

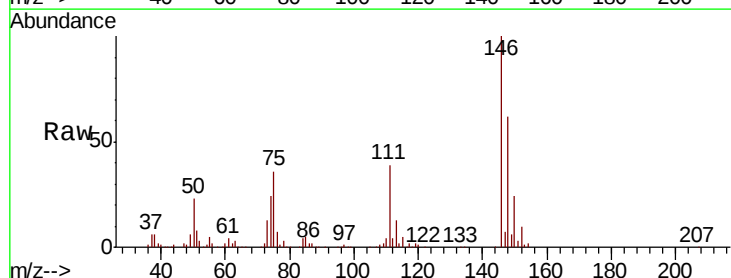
Tgt Ion:146 Resp: 129699

Ion Ratio Lower Upper

146 100

111 41.5 20.6 61.9

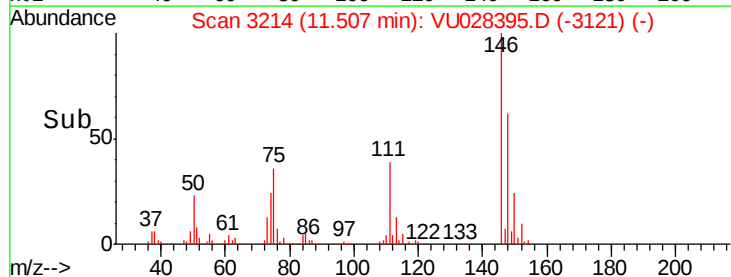
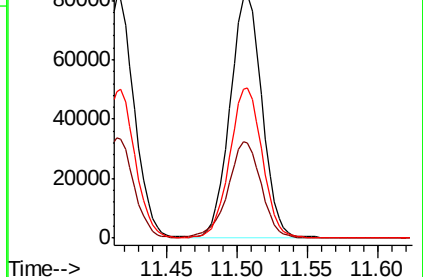
148 63.0 31.1 93.5

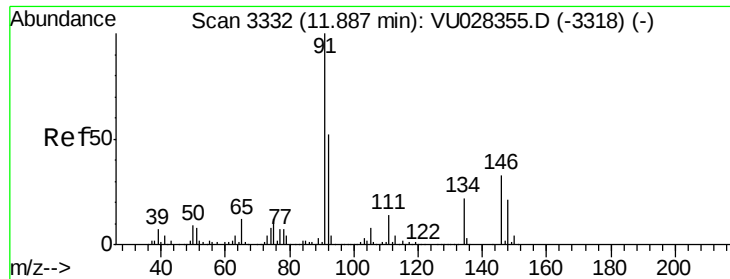


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.381 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028395.D

Acq: 29 Nov 2018 15:47

Instrument :

MSVOA_U

ClientSampleId :

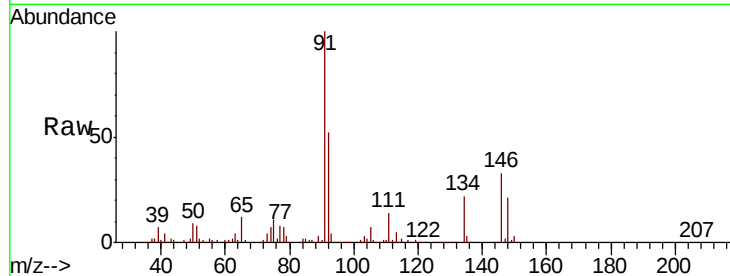
Tot Ion: 91 Resp: 256421

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.5

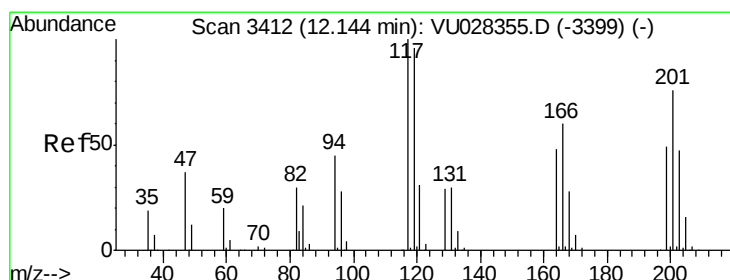
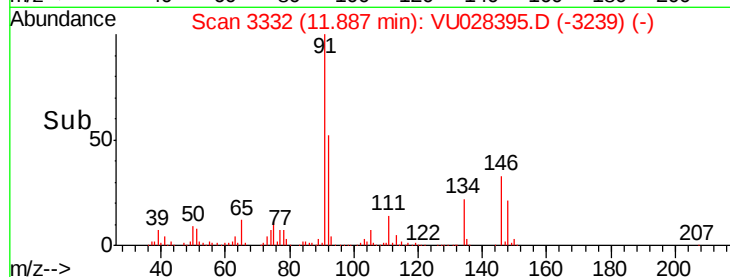
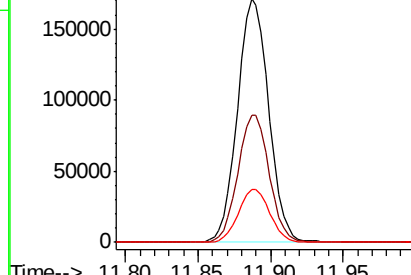
134 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VU028395.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028395.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028395.D (-3239) (-)



#90

Hexachloroethane

Concen: 18.118 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028395.D

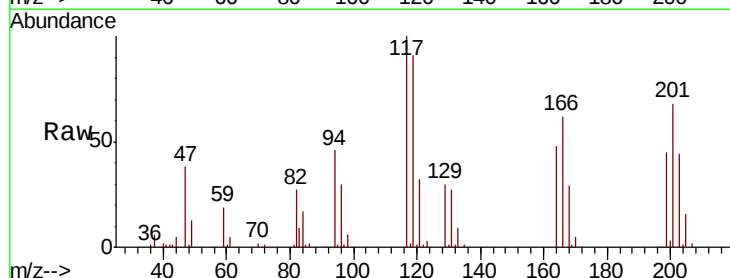
Acq: 29 Nov 2018 15:47

Tgt Ion: 117 Resp: 37918

Ion Ratio Lower Upper

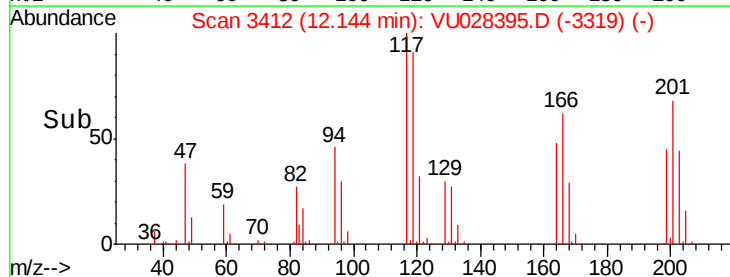
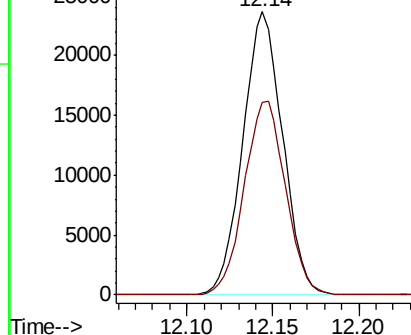
117 100

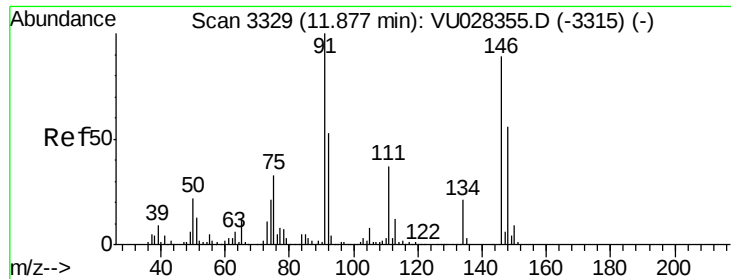
201 70.9 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VU028395.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028395.D (-3319) (-)

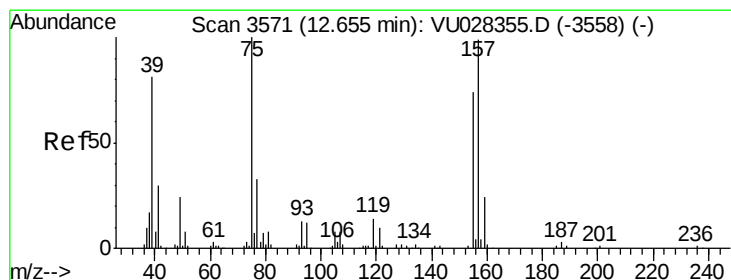
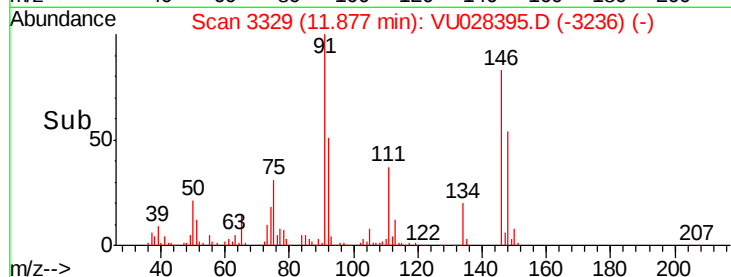
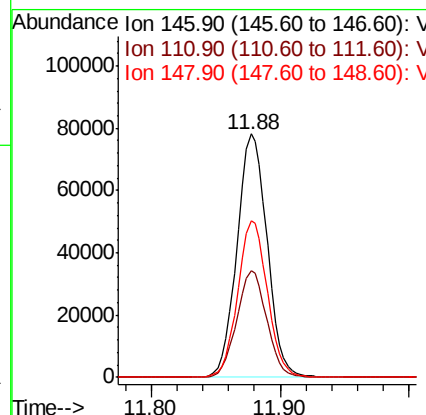
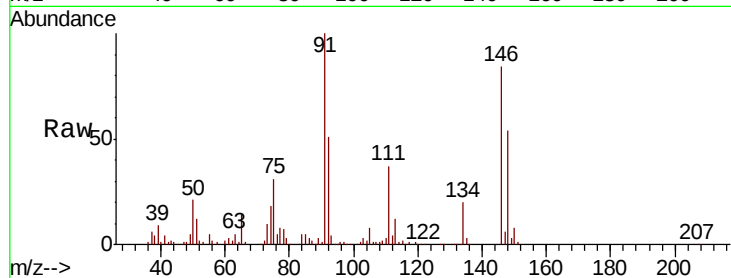




#91
1,2-Dichlorobenzene
Concen: 18.476 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

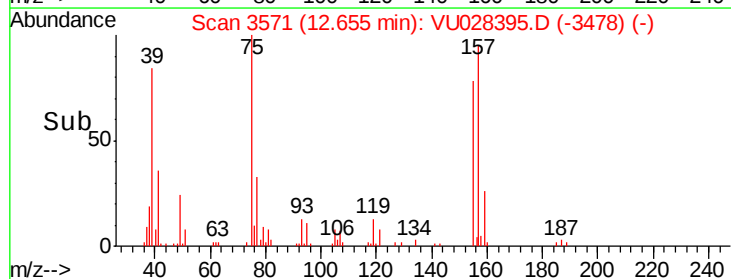
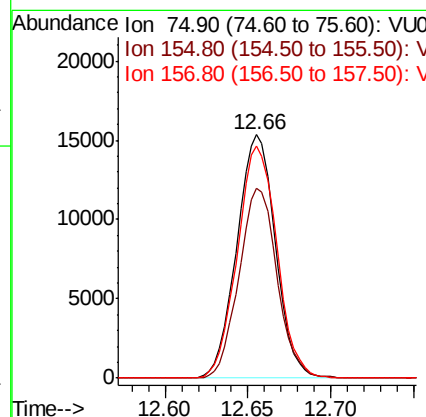
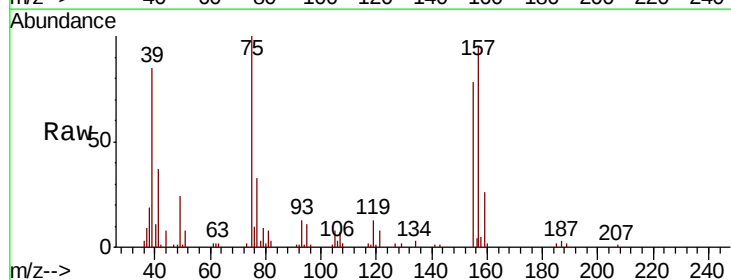
Instrument :
MSVOA_U
ClientSampleId :

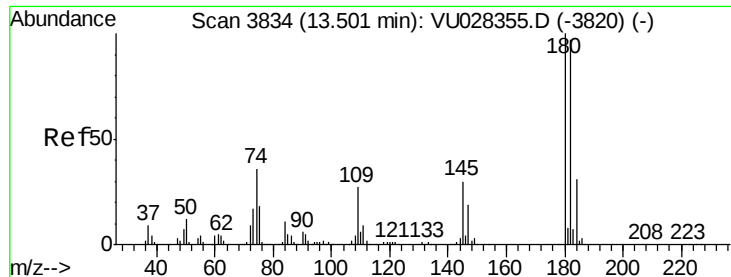
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.3
148	63.3	32.2	96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.971 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	36.9	110.7
157	97.8	47.5	142.5

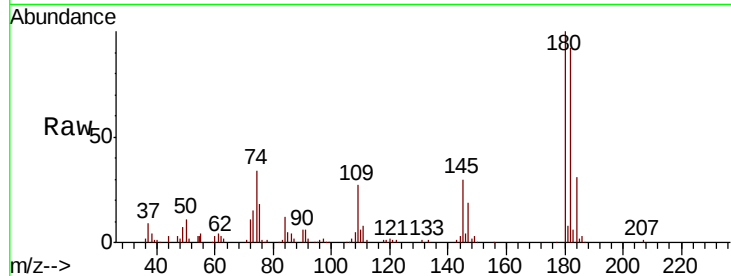




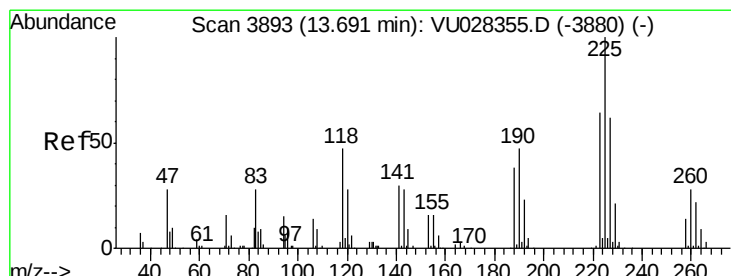
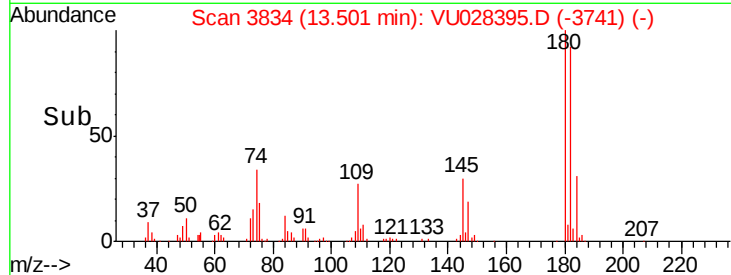
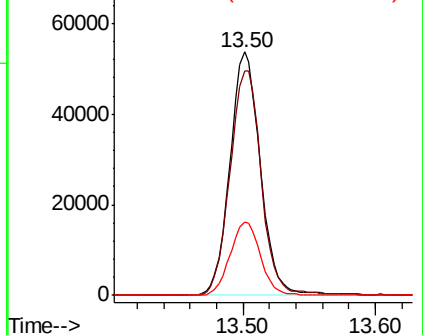
#93
 1,2,4-Trichlorobenzene
 Concen: 19.065 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 85499
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.3 144.9
 145 30.1 15.2 45.5

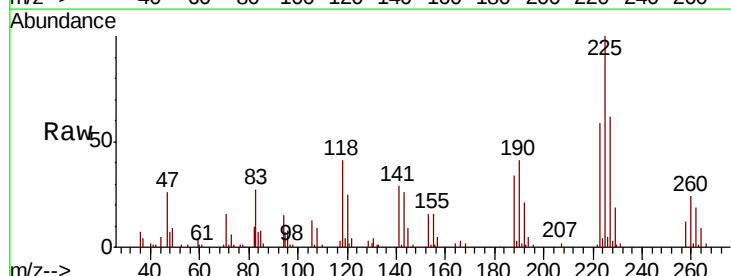


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

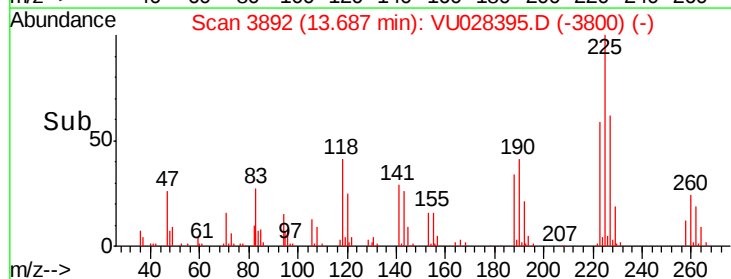
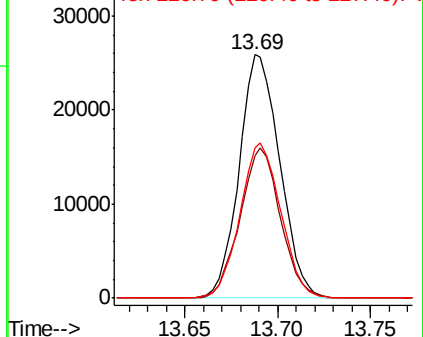


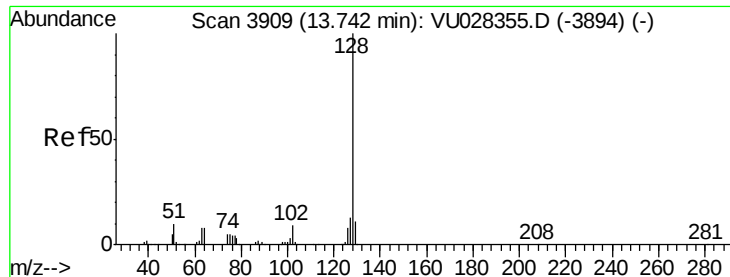
#94
 Hexachlorobutadiene
 Concen: 18.591 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU028395.D
 Acq: 29 Nov 2018 15:47

Tgt Ion:225 Resp: 39368
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.6 94.7
 227 64.0 30.8 92.4



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

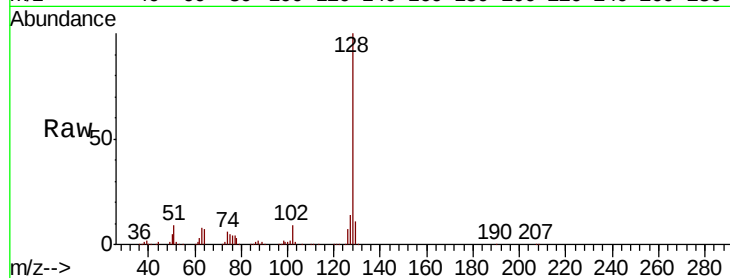




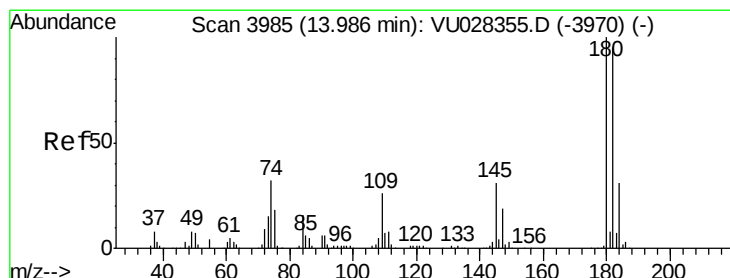
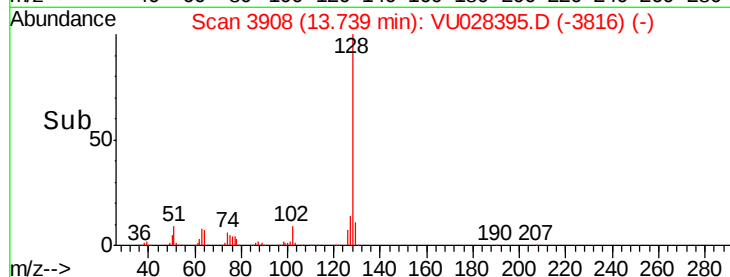
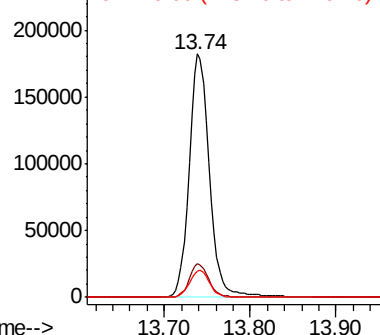
#95
Naphthalene
Concen: 19.229 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 300504
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.6 12.8

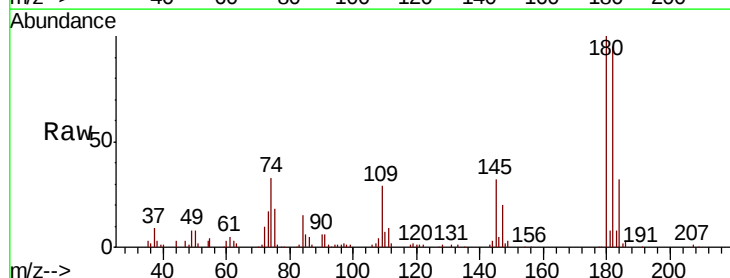


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028395.D
Acq: 29 Nov 2018 15:47

Tgt Ion:180 Resp: 87040
Ion Ratio Lower Upper
180 100
182 96.8 47.7 143.1
145 31.7 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

