

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028493.D
 Acq On : 06 Dec 2018 11:47
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 00:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	106919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	183542	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	8460	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
35) Dibromofluoromethane	4.88	113	5916	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
50) Toluene-d8	7.57	98	22608	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	
62) 4-Bromofluorobenzene	10.31	95	8504	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	6903	4.817	ug/l 99
3) Chloromethane	1.33	50	13214	5.015	ug/l 99
4) Vinyl Chloride	1.40	62	9288	4.885	ug/l 99
5) Bromomethane	1.62	94	3680	4.805	ug/l 92
6) Chloroethane	1.69	64	5472	5.083	ug/l 95
7) Trichlorofluoromethane	1.88	101	9841	4.919	ug/l 97
8) Diethyl Ether	2.10	74	4549	4.860	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6017	5.029	ug/l 99
10) Methyl Iodide	2.41	142	3938	4.195	ug/l 98
11) Tert butyl alcohol	2.83	59	9275	25.514	ug/l 100
12) 1,1-Dichloroethene	2.28	96	5801	4.873	ug/l 90
13) Acrolein	2.19	56	7251	25.021	ug/l 98
14) Allyl chloride	2.59	41	13432	4.770	ug/l 97
15) Acrylonitrile	2.94	53	24791	24.563	ug/l 98
16) Acetone	2.32	43	28743	26.996	ug/l 100
17) Carbon Disulfide	2.48	76	20565	4.795	ug/l 99
18) Methyl Acetate	2.62	43	13608	4.930	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	23090	5.117	ug/l 99
20) Methylene Chloride	2.70	84	7486	4.769	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	6746	5.033	ug/l 96
22) Diisopropyl ether	3.57	45	27114	4.951	ug/l # 87
23) Vinyl Acetate	3.52	43	108505	24.020	ug/l 100
24) 1,1-Dichloroethane	3.45	63	14198	4.953	ug/l 99
25) 2-Butanone	4.26	43	37202	25.567	ug/l 100
26) 2,2-Dichloropropane	4.23	77	11626	5.118	ug/l 95
27) cis-1,2-Dichloroethene	4.22	96	7260	4.786	ug/l 95
28) Bromochloromethane	4.55	49	6709	5.148	ug/l # 97
29) Tetrahydrofuran	4.64	42	22901	24.506	ug/l 99
30) Chloroform	4.67	83	12939	5.179	ug/l 92
31) Cyclohexane	4.99	56	16784	4.991	ug/l # 85
32) 1,1,1-Trichloroethane	4.91	97	10223	4.927	ug/l 97
36) 1,1-Dichloropropene	5.14	75	9987	4.972	ug/l 97
37) Ethyl Acetate	4.39	43	11500	4.429	ug/l 97
38) Carbon Tetrachloride	5.13	117	7977	4.928	ug/l 98

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 Data File : VU028493.D
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 00:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	12407	5.063	ug/l	99
40) Benzene	5.39	78	30332	5.128	ug/l	99
41) Methacrylonitrile	4.55	41	7326	5.152	ug/l #	91
42) 1,2-Dichloroethane	5.40	62	10639	5.138	ug/l	96
43) Isopropyl Acetate	5.55	43	20251	4.931	ug/l	97
44) Trichloroethene	6.19	130	6715	5.105	ug/l	96
45) 1,2-Dichloropropane	6.43	63	8564	5.148	ug/l	98
46) Dibromomethane	6.56	93	5004	5.070	ug/l	99
47) Bromodichloromethane	6.76	83	9527	4.960	ug/l	99
48) Methyl methacrylate	6.62	41	10089	4.940	ug/l	98
49) 1,4-Dioxane	6.62	88	3182	98.677	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	65130	25.146	ug/l	98
52) Toluene	7.64	92	17108	4.914	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	11267	4.926	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	12358	4.980	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	7015	5.098	ug/l	98
56) Ethyl methacrylate	8.02	69	10966	4.653	ug/l	94
57) 1,3-Dichloropropane	8.24	76	12547	4.912	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	28539	23.644	ug/l	100
59) 2-Hexanone	8.36	43	50448	24.573	ug/l	99
60) Dibromochloromethane	8.48	129	6522	4.841	ug/l	98
61) 1,2-Dibromoethane	8.58	107	7278	5.043	ug/l	98
64) Tetrachloroethene	8.23	164	5716	5.059	ug/l	96
65) Chlorobenzene	9.12	112	18464	5.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	5909	5.127	ug/l	97
67) Ethyl Benzene	9.25	91	33134	4.994	ug/l	98
68) m/p-Xylenes	9.37	106	24522	10.157	ug/l	99
69) o-Xylene	9.78	106	11751	5.008	ug/l	98
70) Styrene	9.79	104	19191	4.942	ug/l	97
71) Bromoform	9.96	173	4672	4.765	ug/l #	99
73) Isopropylbenzene	10.16	105	31491	5.122	ug/l	100
74) N-amyl acetate	10.01	43	17377	4.900	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	12371	5.238	ug/l	95
76) 1,2,3-Trichloropropane	10.49	75	14308	6.190	ug/l	86
77) Bromobenzene	10.45	156	7391	5.140	ug/l	96
78) n-propylbenzene	10.59	91	38664	5.061	ug/l	97
79) 2-Chlorotoluene	10.66	91	23025	5.232	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	25859	5.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	14308	12.516	ug/l #	100
82) 4-Chlorotoluene	10.77	91	26349	5.053	ug/l	97
83) tert-Butylbenzene	11.10	119	25001	5.097	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	26919	5.132	ug/l	97
85) sec-Butylbenzene	11.32	105	31591	5.013	ug/l	99
86) p-Isopropyltoluene	11.48	119	26946	5.034	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	13948	5.137	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	14105	5.021	ug/l	92
89) n-Butylbenzene	11.89	91	25799	4.762	ug/l	99
90) Hexachloroethane	12.14	117	4077	5.039	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	13673	5.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2596	5.077	ug/l	96

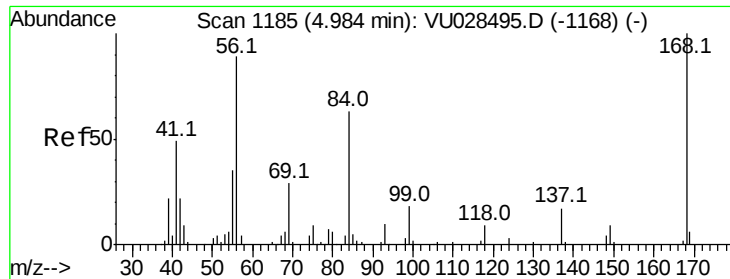
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
Data File : VU028493.D
Acq On : 06 Dec 2018 11:47
Operator : MD/SY
Sample : VSTDICC005
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 07 00:13:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	8453	4.341	ug/l	97
94) Hexachlorobutadiene	13.69	225	4549	5.113	ug/l	97
95) Naphthalene	13.75	128	28887	4.433	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	8879	4.533	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

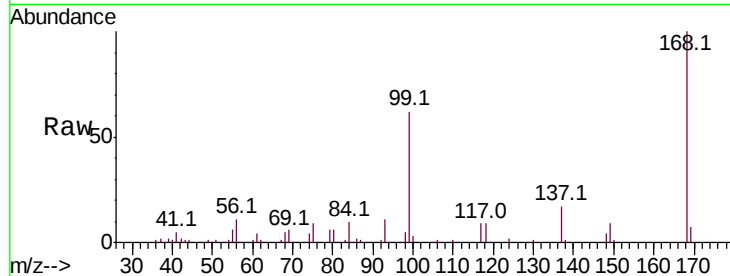
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 106919

Ion Ratio Lower Upper

168 100

99 61.8 46.6 69.8



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

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

4.98

50000

40000

30000

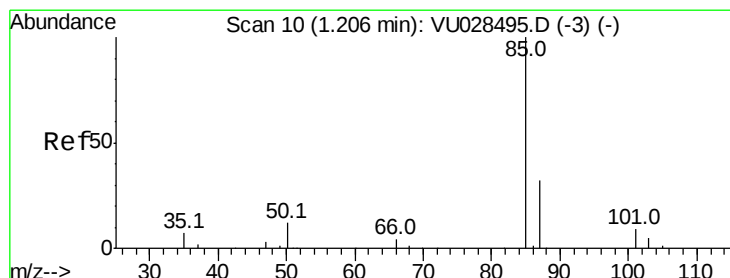
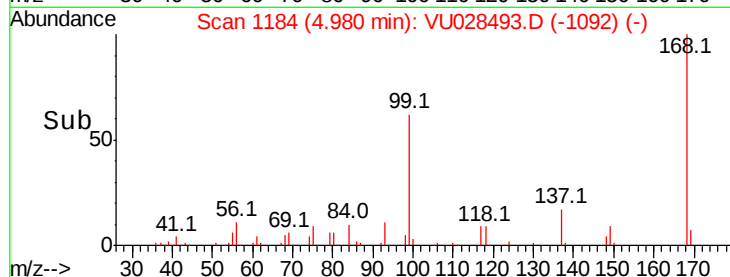
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.817 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028493.D

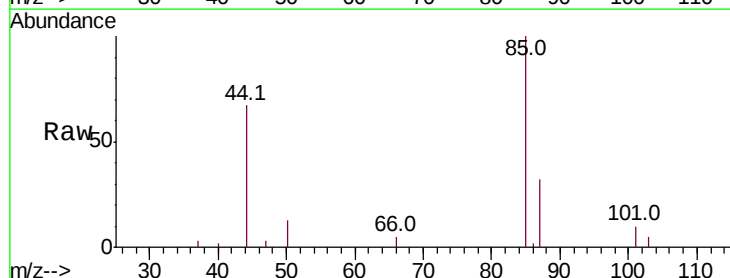
Acq: 06 Dec 2018 11:47

Tgt Ion: 85 Resp: 6903

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



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

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

1.21

8000

6000

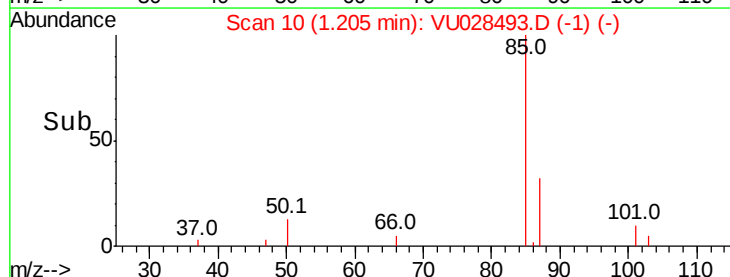
4000

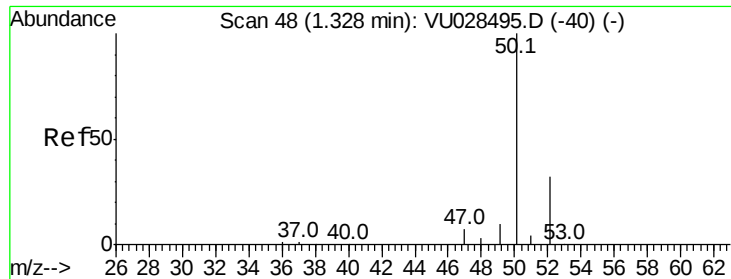
2000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.015 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

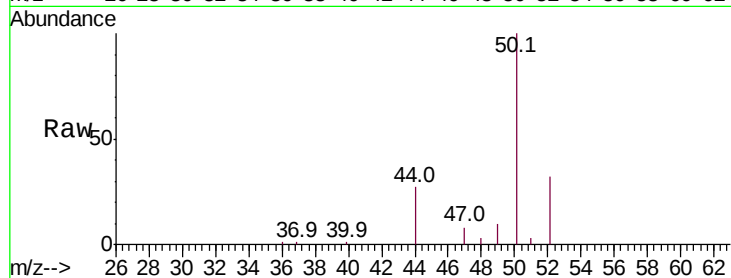
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 13214

Ion Ratio Lower Upper

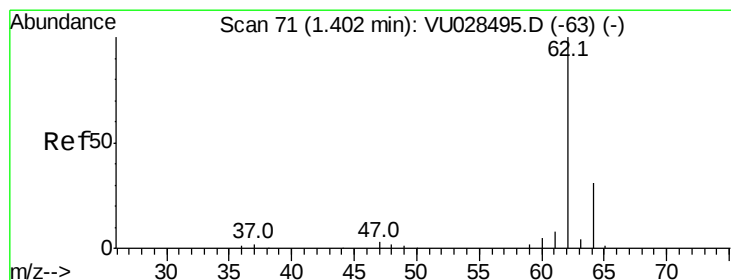
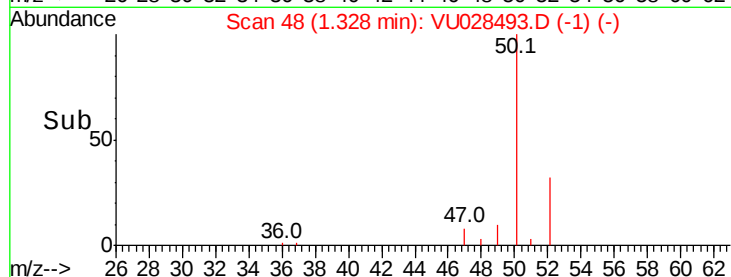
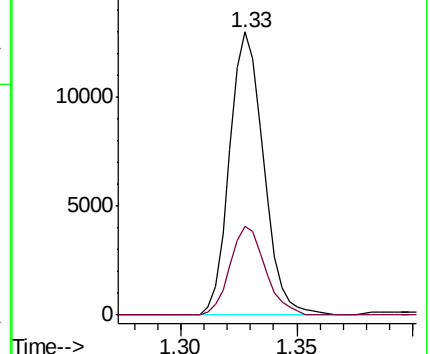
50 100

52 31.5 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028493.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU028493.D (-1) (-)



#4

Vinyl Chloride

Concen: 4.885 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028493.D

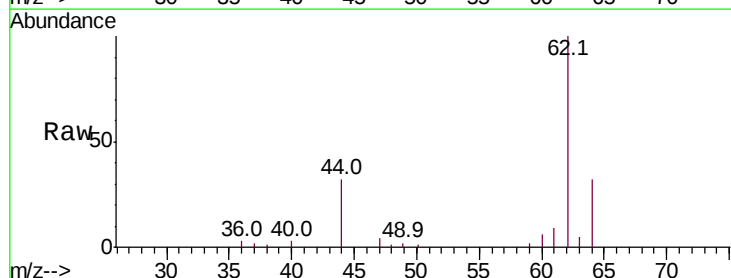
Acq: 06 Dec 2018 11:47

Tgt Ion: 62 Resp: 9288

Ion Ratio Lower Upper

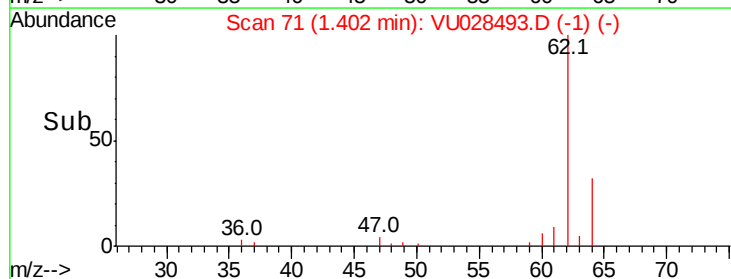
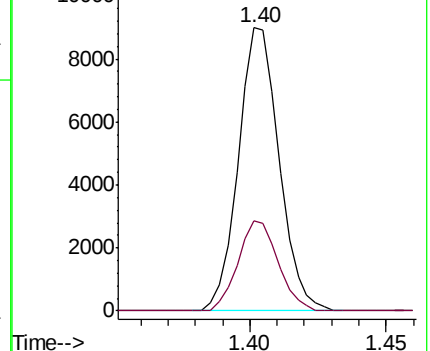
62 100

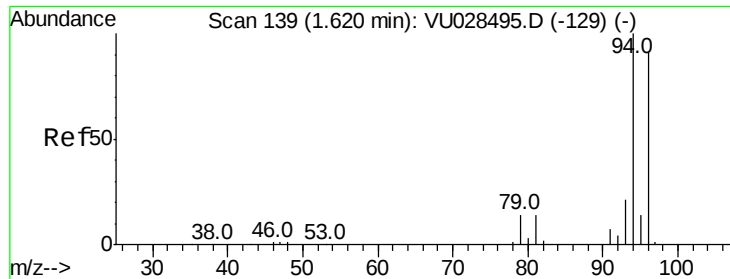
64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU028493.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU028493.D (-1) (-)

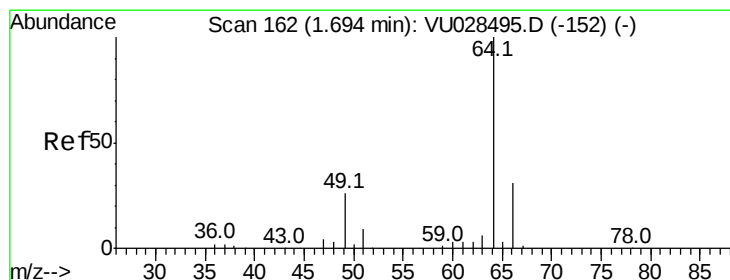
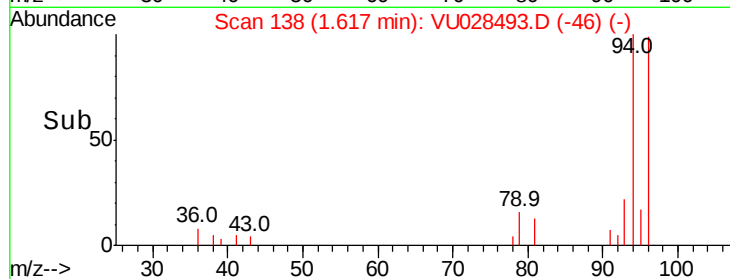
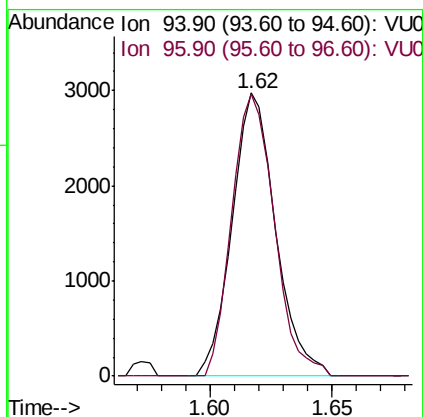
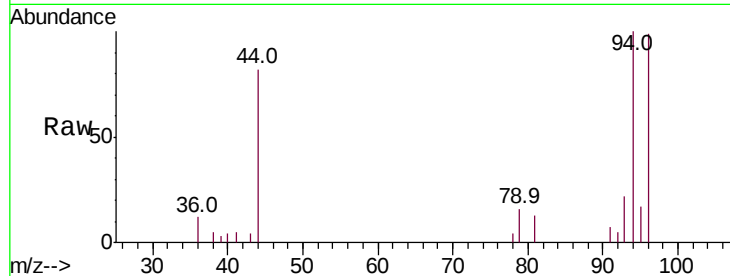




#5
Bromomethane
Concen: 4.805 ug/l
RT: 1.62 min Scan# 138
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

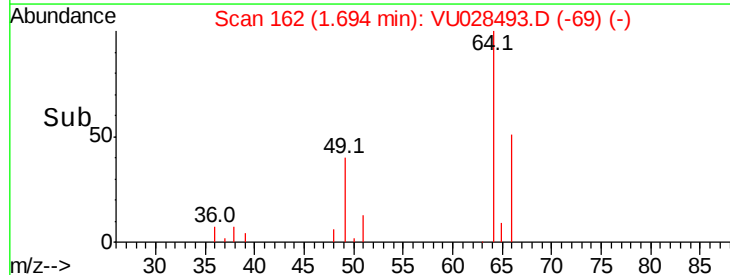
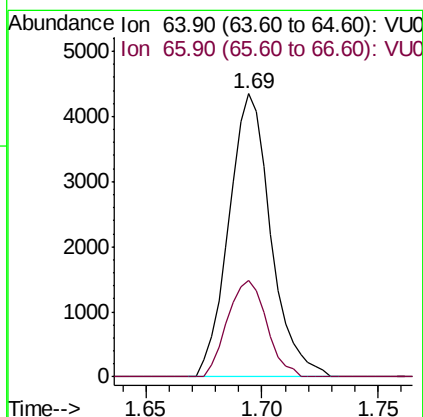
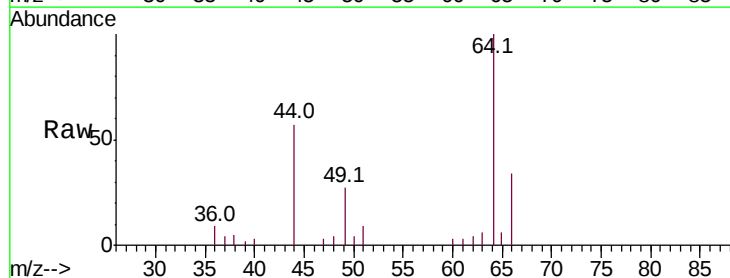
Instrument :
MSVOA_U
ClientSampleId :

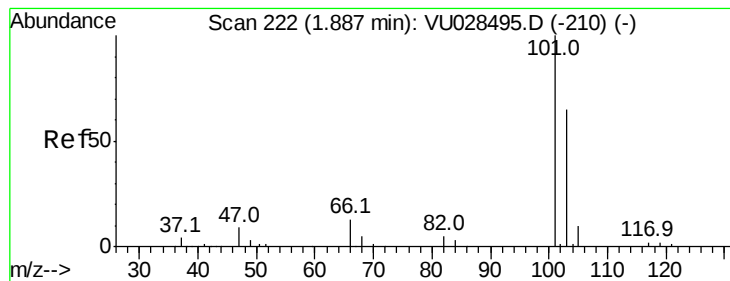
Tot Ion: 94 Resp: 3680
Ion Ratio Lower Upper
94 100
96 99.5 73.2 109.8



#6
Chloroethane
Concen: 5.083 ug/l
RT: 1.69 min Scan# 162
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 64 Resp: 5472
Ion Ratio Lower Upper
64 100
66 33.9 25.0 37.6



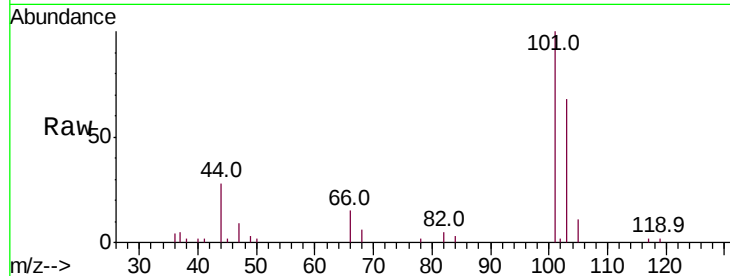


#7

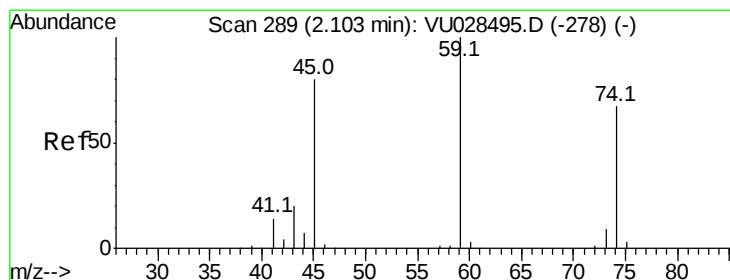
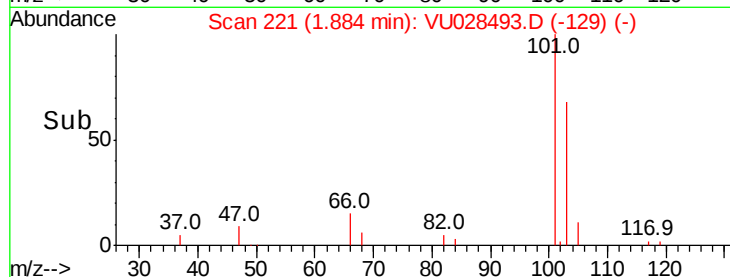
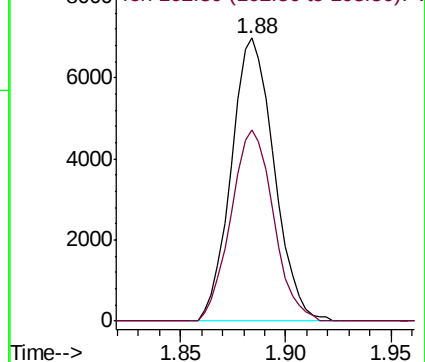
Trichlorofluoromethane
 Concen: 4.919 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:101 Resp: 9841
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.3 78.5



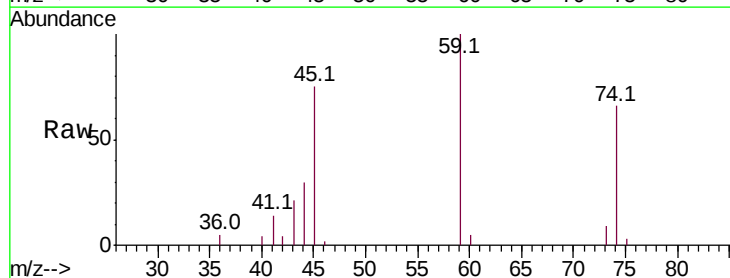
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



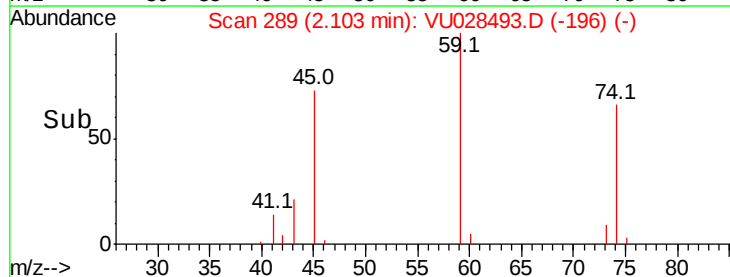
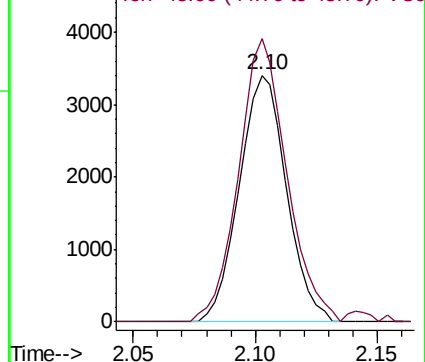
#8

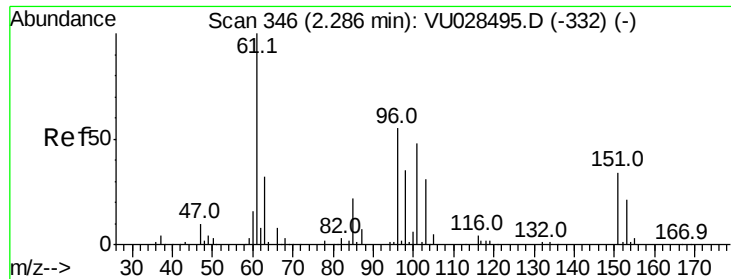
Diethyl Ether
 Concen: 4.860 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 74 Resp: 4549
 Ion Ratio Lower Upper
 74 100
 45 117.6 59.7 179.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.029 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

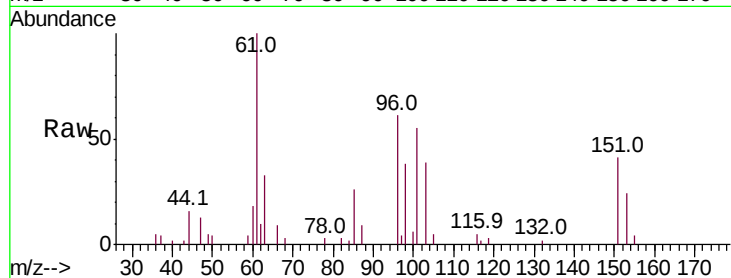
Tot Ion:101 Resp: 6017

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

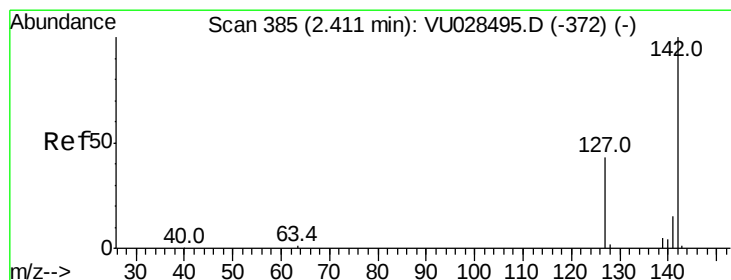
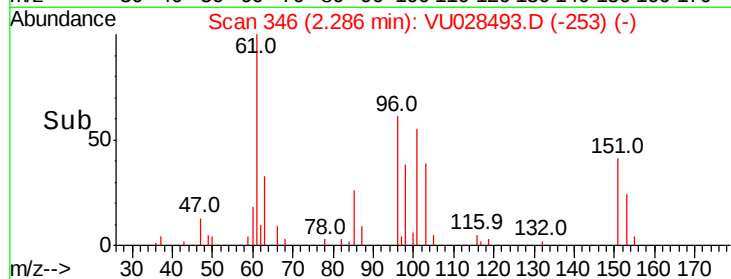
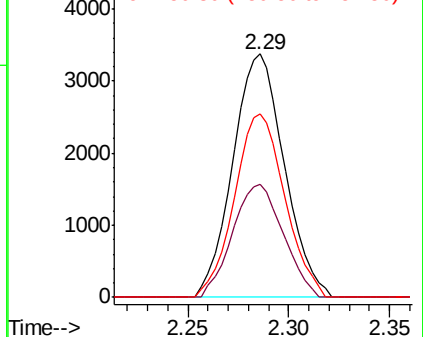
151 73.9 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.195 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

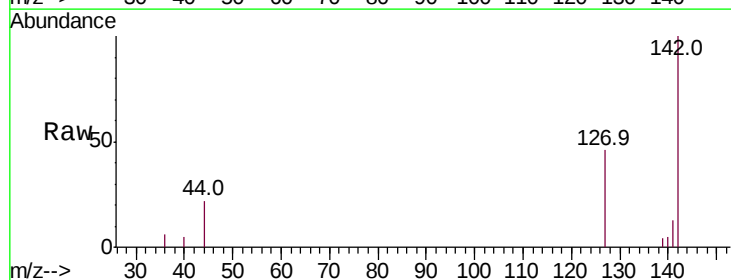
Tgt Ion:142 Resp: 3938

Ion Ratio Lower Upper

142 100

127 41.2 33.5 50.3

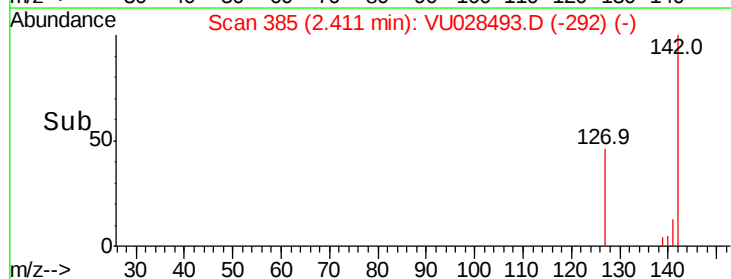
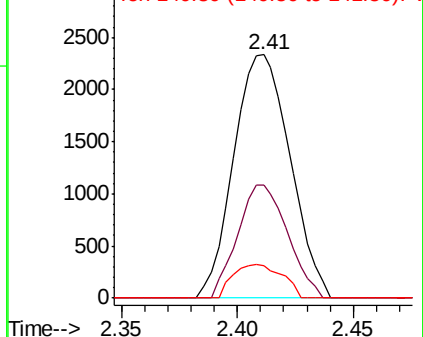
141 12.0 11.2 16.8

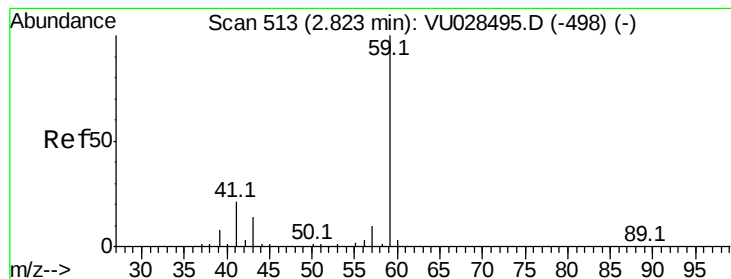


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



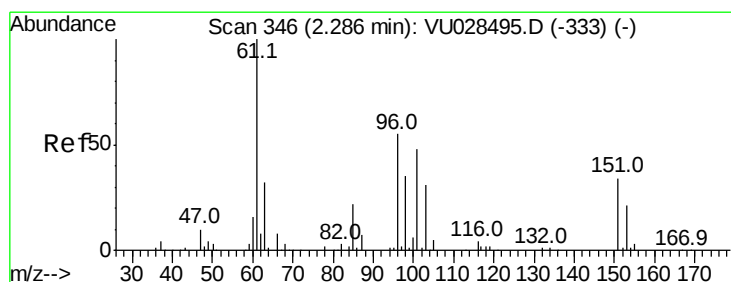
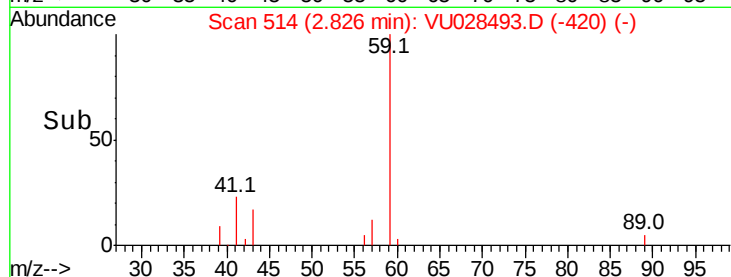
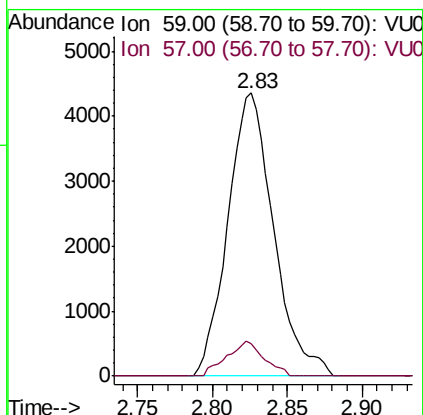
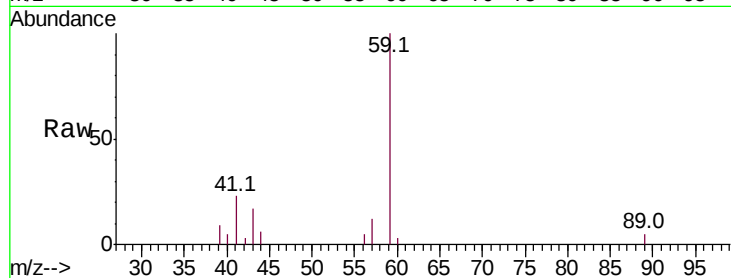


#11

Tert butyl alcohol
 Concen: 25.514 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Instrument :
 MSVOA_U
 ClientSampled :

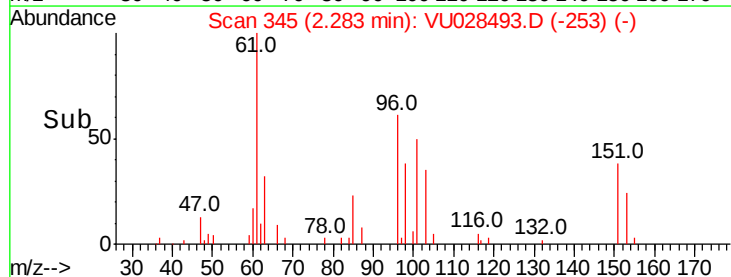
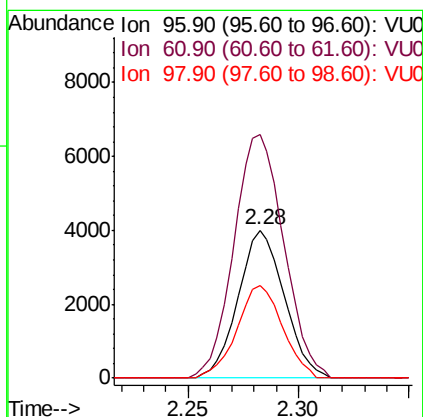
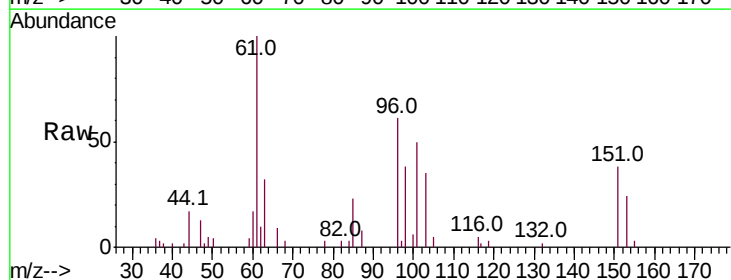
Tot Ion: 59 Resp: 9275
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.0 12.0

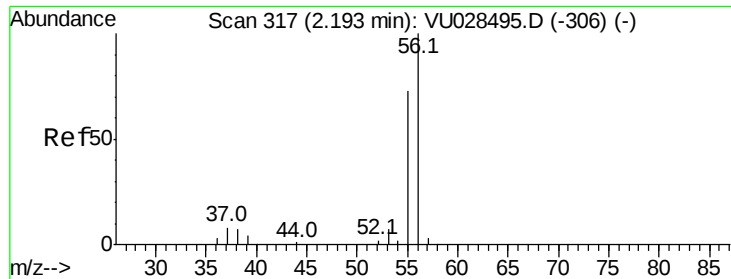


#12

1,1-Dichloroethene
 Concen: 4.873 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 96 Resp: 5801
 Ion Ratio Lower Upper
 96 100
 61 164.7 146.4 219.6
 98 62.8 51.8 77.8





#13

Acrolein

Concen: 25.021 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

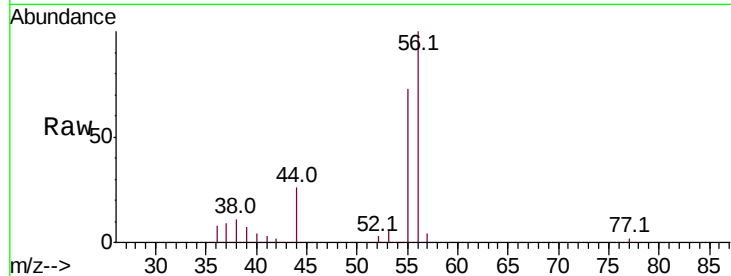
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 7251

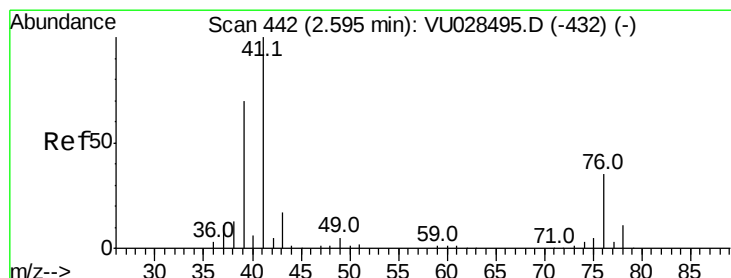
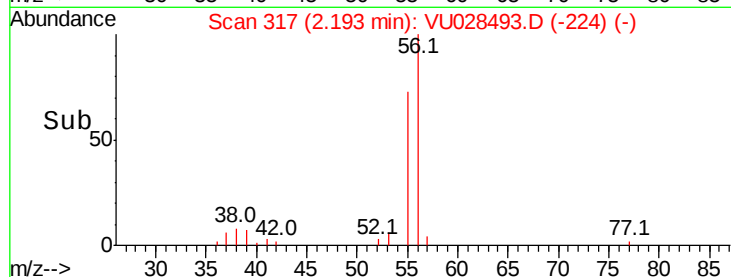
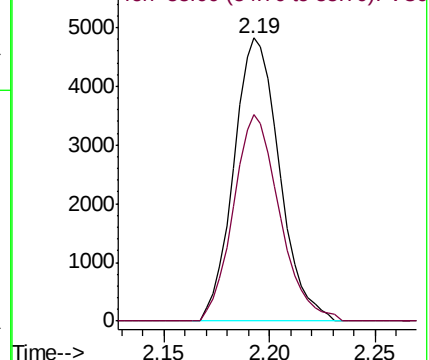
Ion Ratio Lower Upper

56 100

55 73.6 57.5 86.3



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



#14

Allyl chloride

Concen: 4.770 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

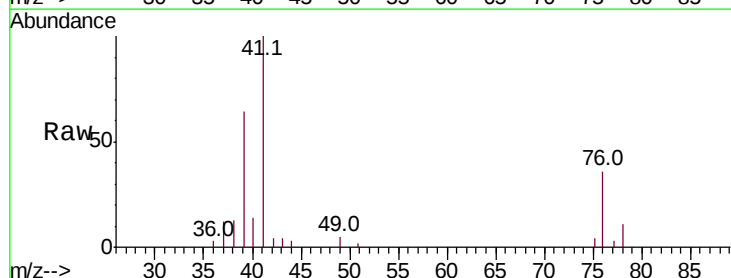
Tgt Ion: 41 Resp: 13432

Ion Ratio Lower Upper

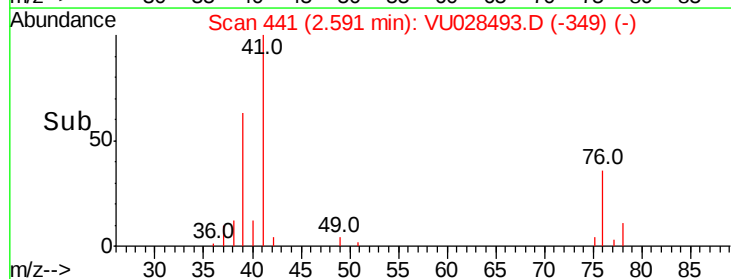
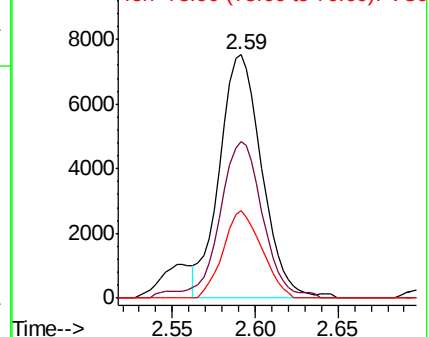
41 100

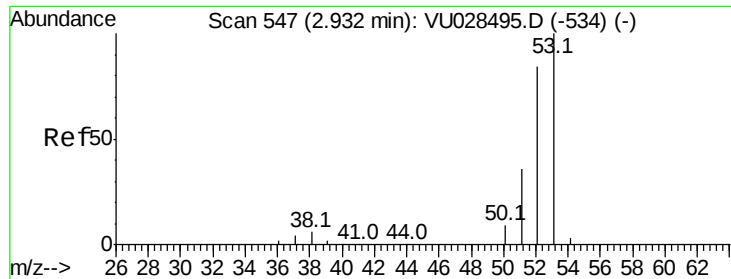
39 65.7 50.8 76.2

76 32.5 24.8 37.2



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





#15

Acrylonitrile

Concen: 24.563 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

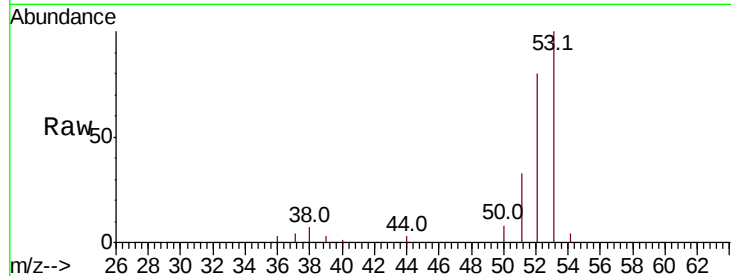
Tot Ion: 53 Resp: 24791

Ion Ratio Lower Upper

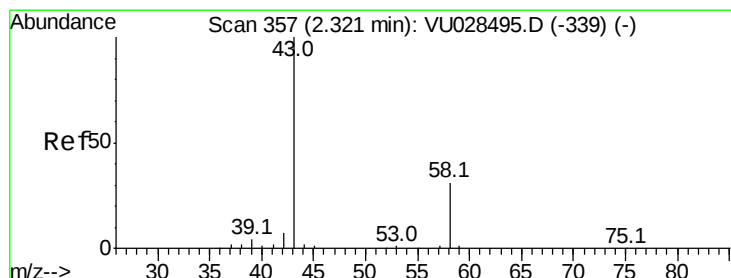
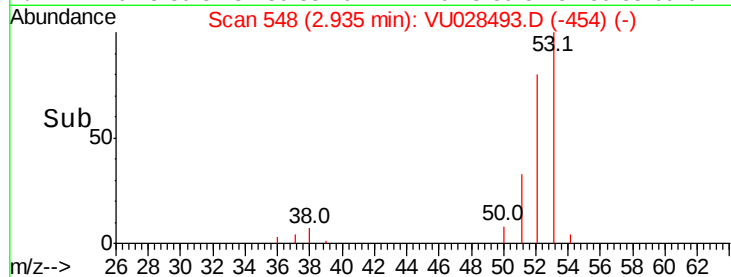
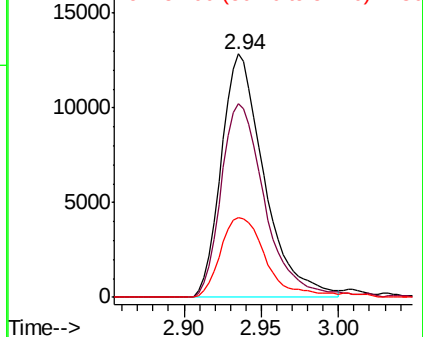
53 100

52 81.0 66.1 99.1

51 34.6 28.1 42.1



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



#16

Acetone

Concen: 26.996 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028493.D

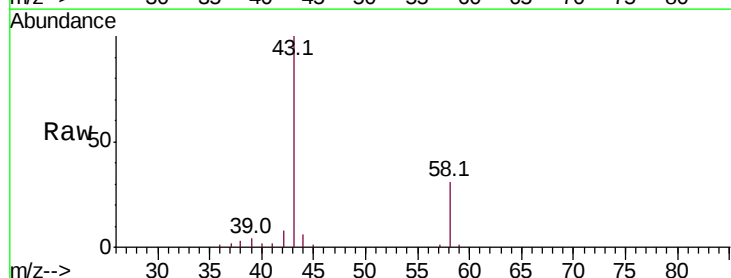
Acq: 06 Dec 2018 11:47

Tgt Ion: 43 Resp: 28743

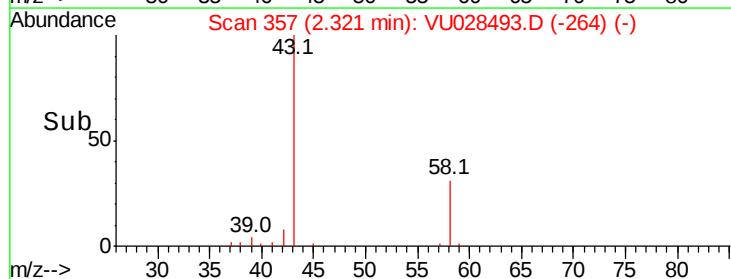
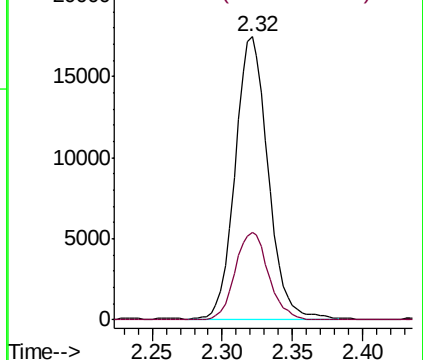
Ion Ratio Lower Upper

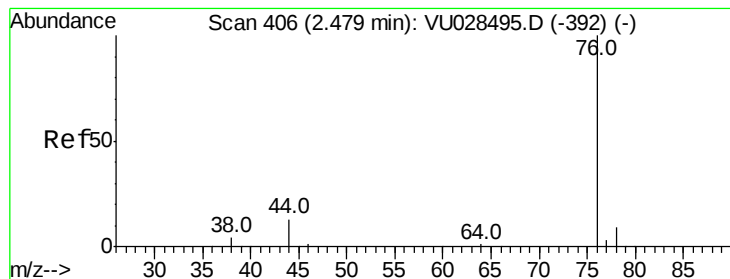
43 100

58 30.8 24.6 37.0



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





#17

Carbon Disulfide

Concen: 4.795 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

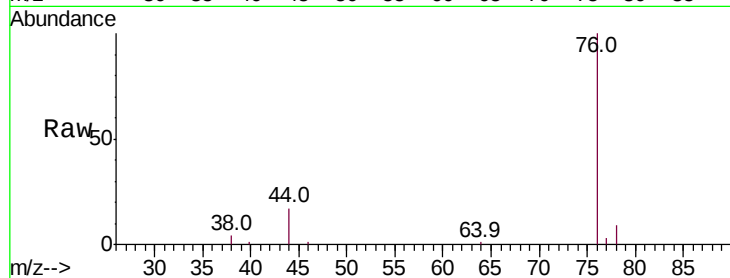
ClientSampleId :

Tot Ion: 76 Resp: 20565

Ion Ratio Lower Upper

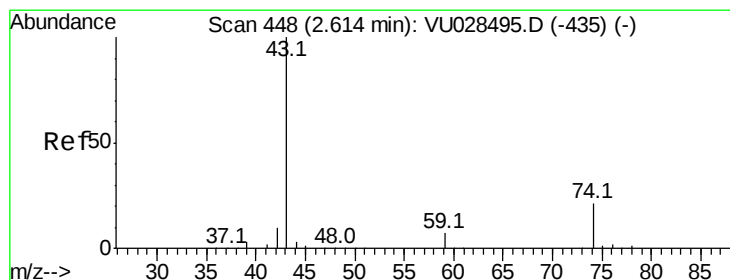
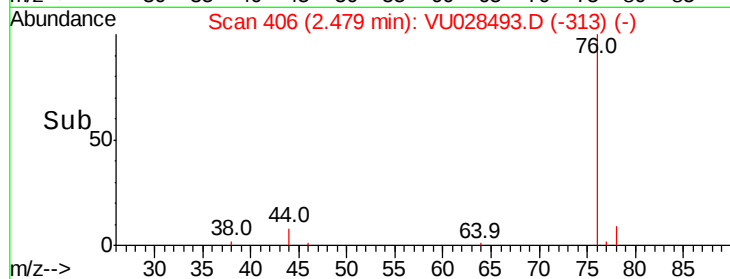
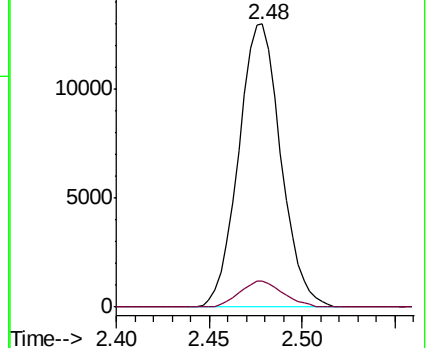
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028493.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028493.D (-392) (-)



#18

Methyl Acetate

Concen: 4.930 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028493.D

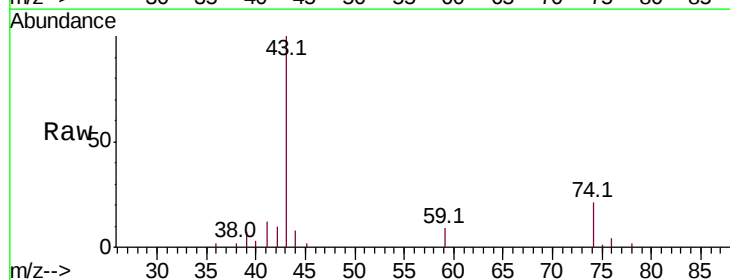
Acq: 06 Dec 2018 11:47

Tgt Ion: 43 Resp: 13608

Ion Ratio Lower Upper

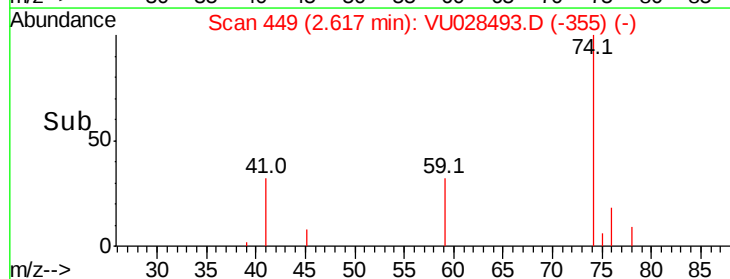
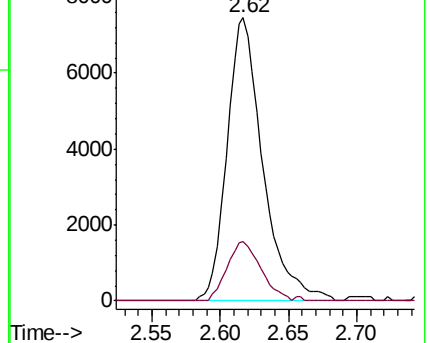
43 100

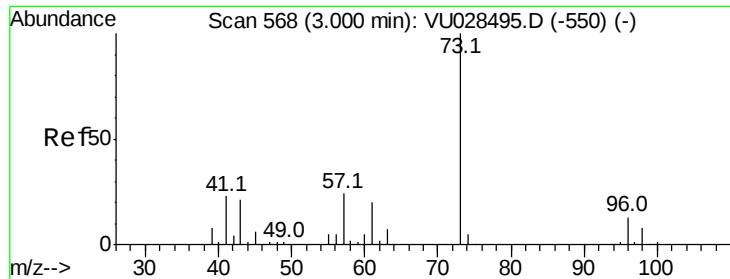
74 19.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028493.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028493.D (-355) (-)

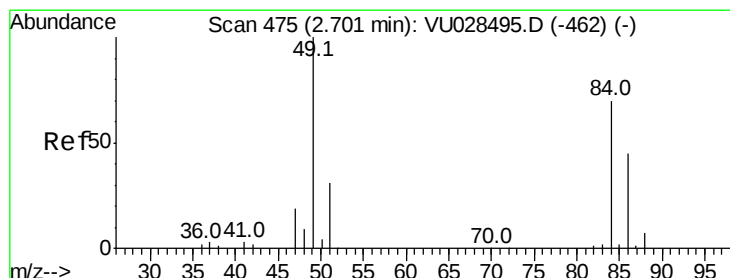
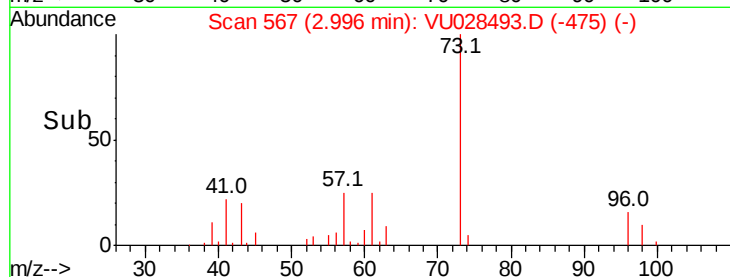
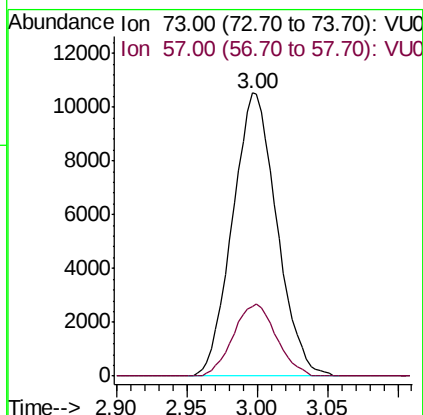
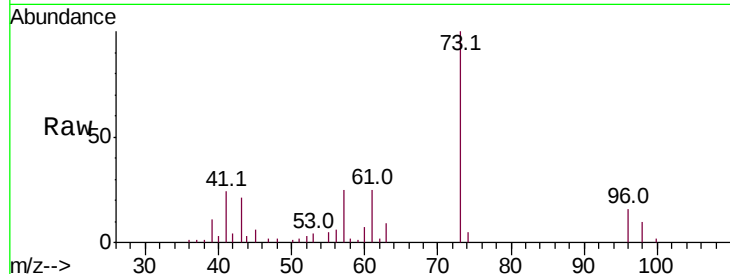




#19
Methyl tert-butyl Ether
Concen: 5.117 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

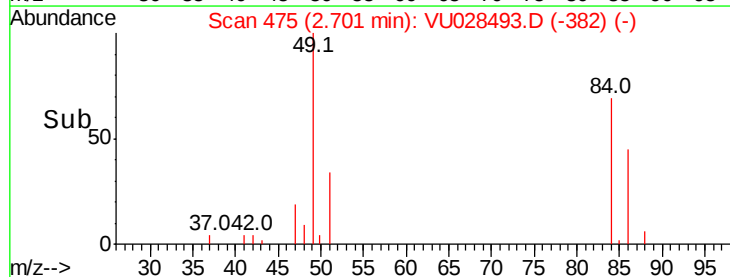
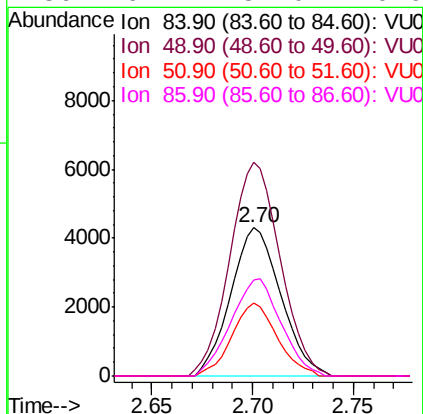
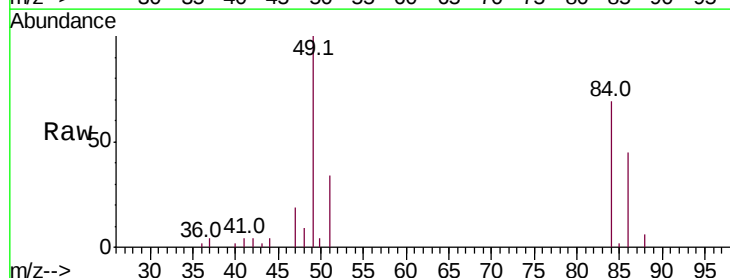
Instrument :
MSVOA_U
ClientSampled :

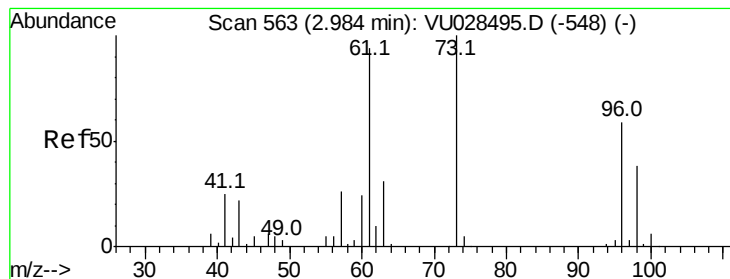
Tot Ion: 73 Resp: 23090
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2



#20
Methylene Chloride
Concen: 4.769 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 84 Resp: 7486
Ion Ratio Lower Upper
84 100
49 144.0 114.0 171.0
51 49.0 35.1 52.7
86 64.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 5.033 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

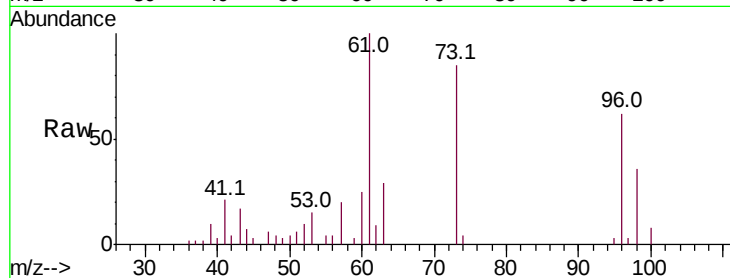
Tot Ion: 96 Resp: 6746

Ion Ratio Lower Upper

96 100

61 160.7 127.0 190.4

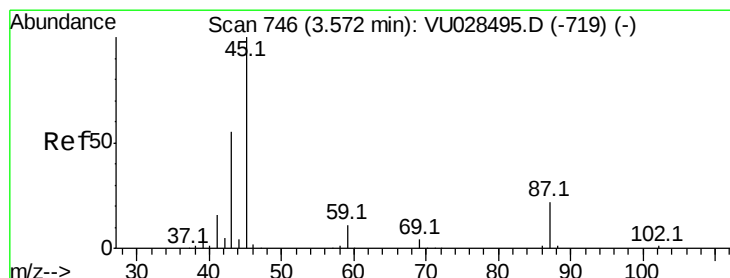
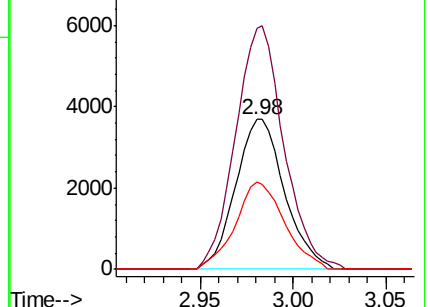
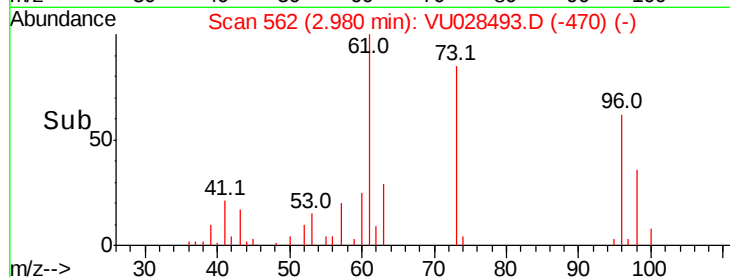
98 58.1 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU028493.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028493.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028493.D (-470) (-)



#22

Diisopropyl ether

Concen: 4.951 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Tgt Ion: 45 Resp: 27114

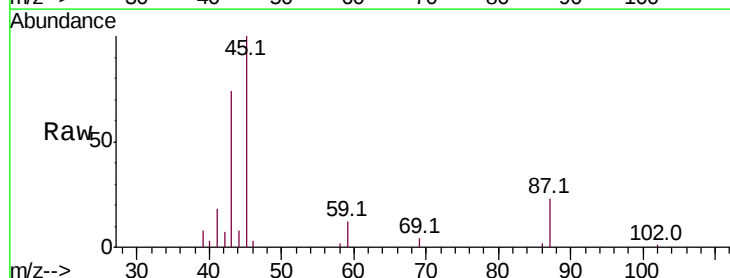
Ion Ratio Lower Upper

45 100

43 70.9 45.3 67.9#

87 23.1 17.6 26.4

59 11.7 8.8 13.2

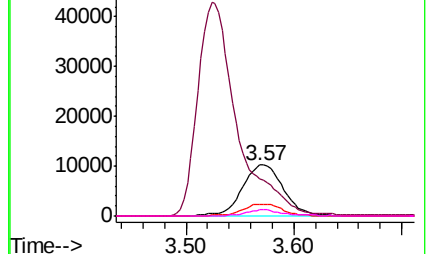
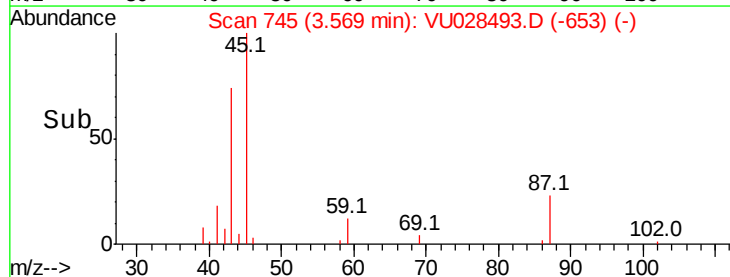


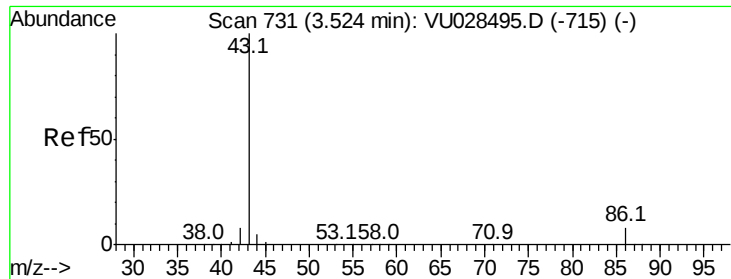
Abundance Ion 45.00 (44.70 to 45.70): VU028493.D (-653) (-)

Ion 43.00 (42.70 to 43.70): VU028493.D (-653) (-)

Ion 87.00 (86.70 to 87.70): VU028493.D (-653) (-)

Ion 59.00 (58.70 to 59.70): VU028493.D (-653) (-)





#23

Vinyl Acetate

Concen: 24.020 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

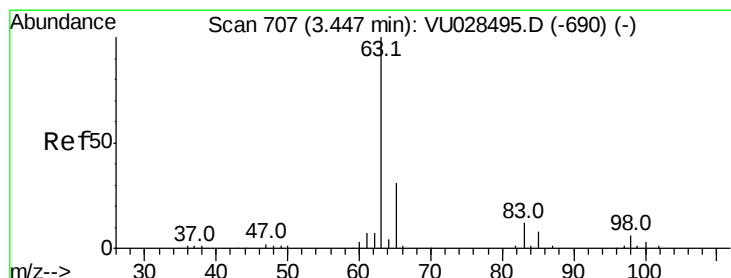
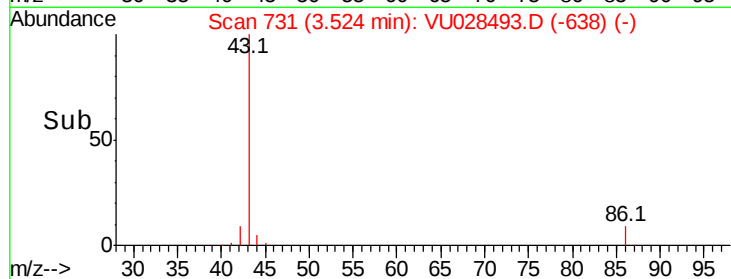
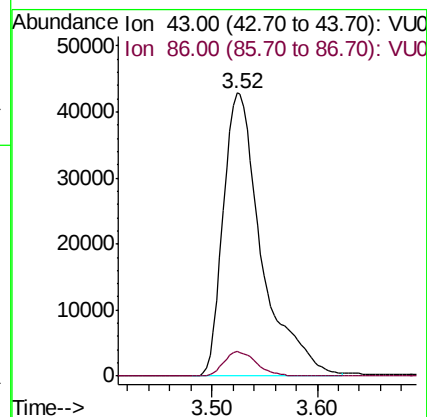
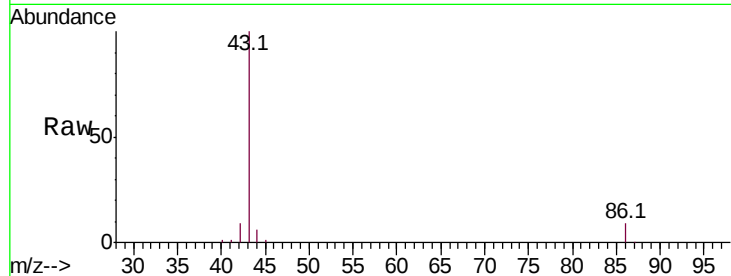
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 108505

Ion Ratio Lower Upper

43 100

86 8.6 6.8 10.2



#24

1,1-Dichloroethane

Concen: 4.953 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

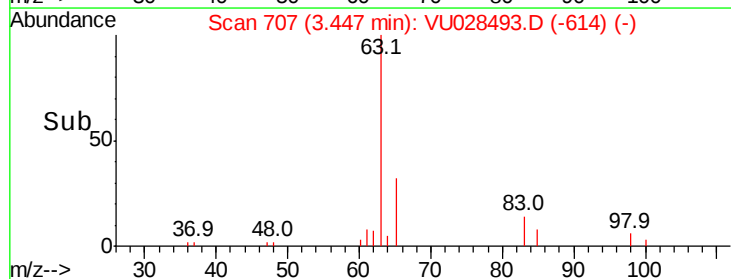
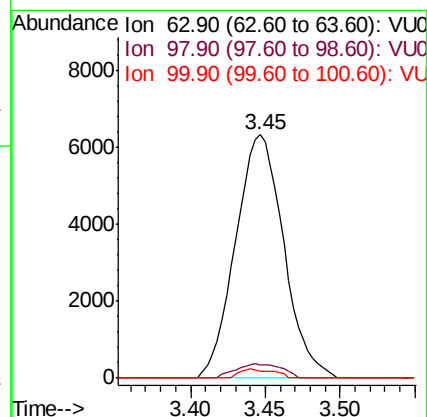
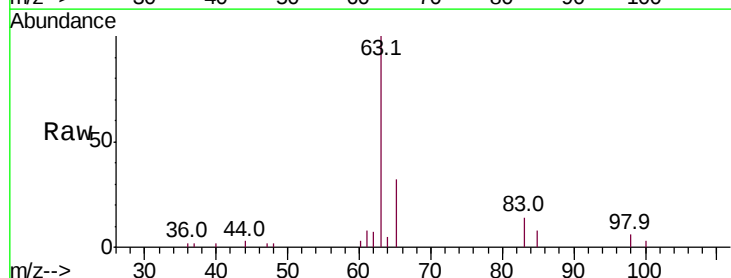
Tgt Ion: 63 Resp: 14198

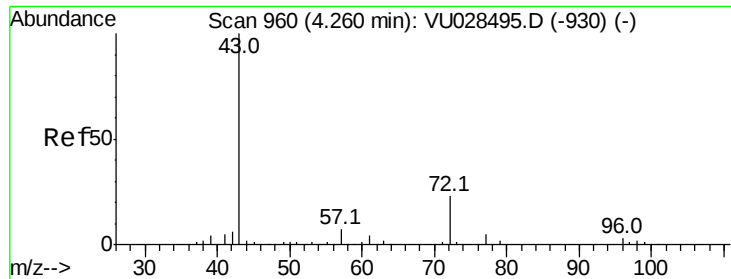
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 2.8 1.7 5.1





#25

2-Butanone

Concen: 25.567 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

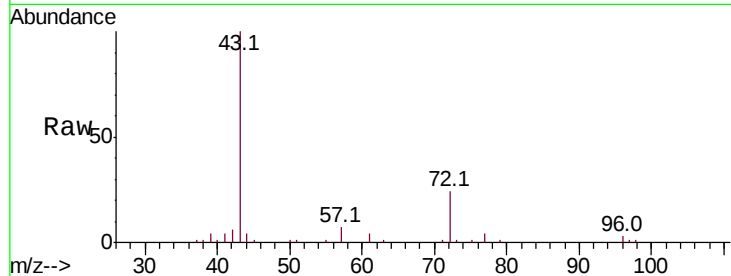
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 37202

Ion Ratio Lower Upper

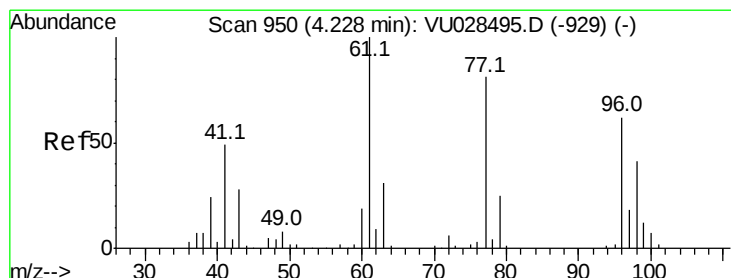
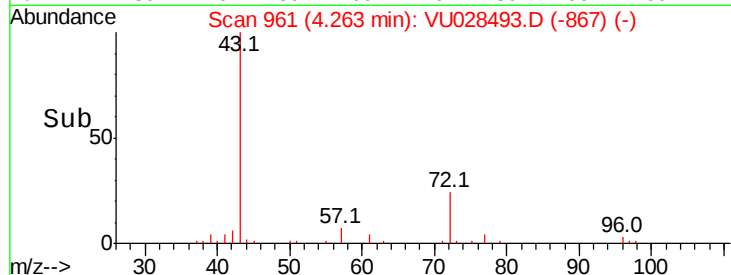
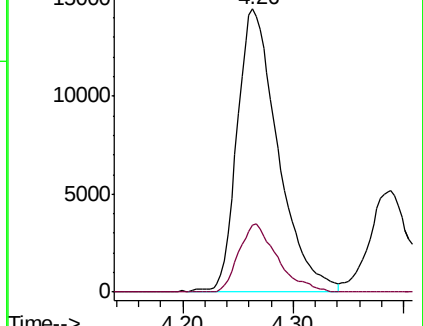
43 100

72 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 5.118 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU028493.D

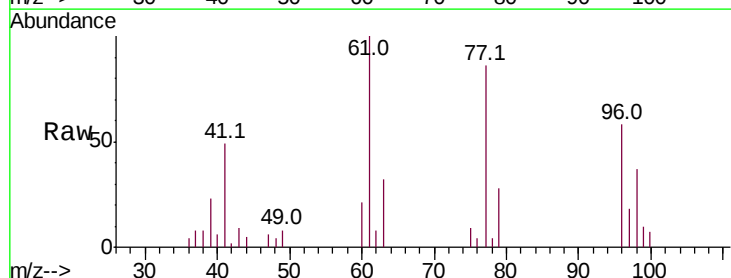
Acq: 06 Dec 2018 11:47

Tgt Ion: 77 Resp: 11626

Ion Ratio Lower Upper

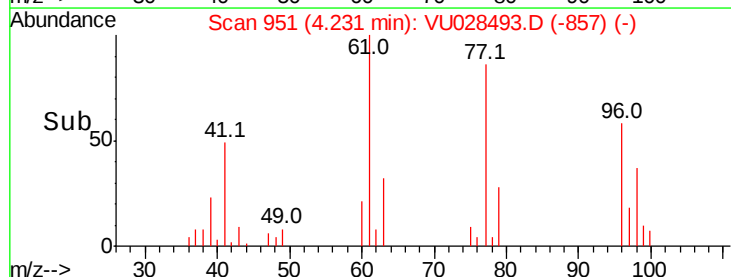
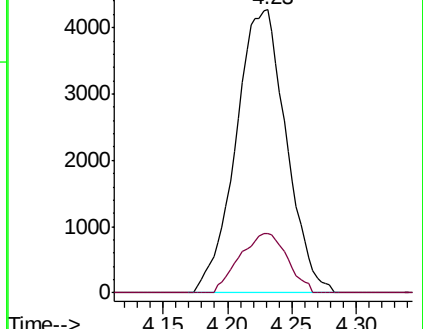
77 100

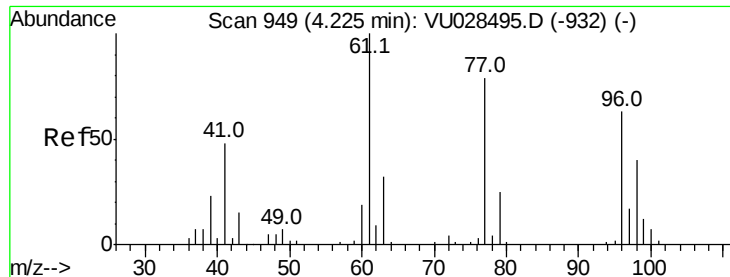
97 19.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



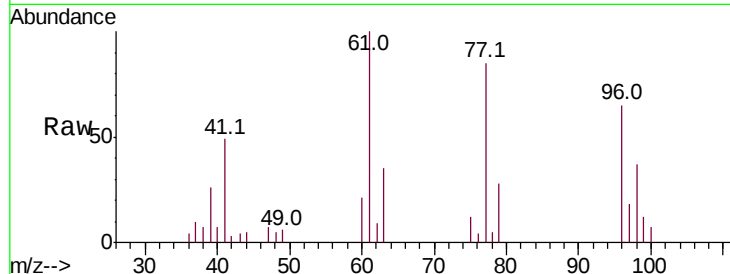


#27

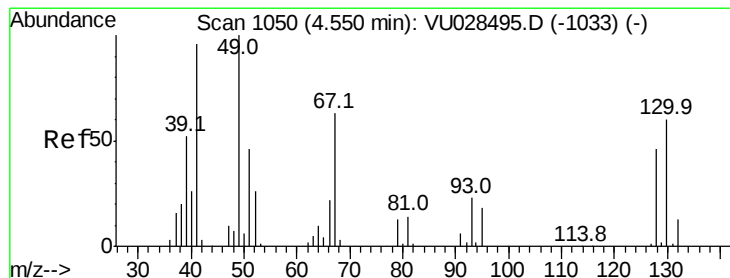
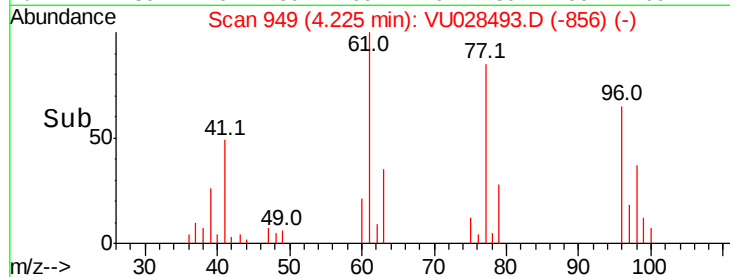
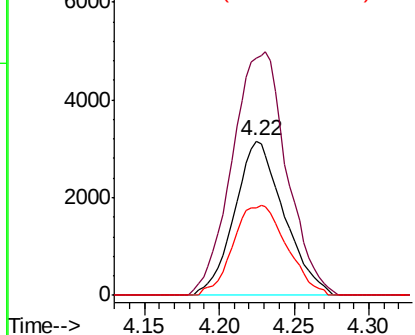
cis-1,2-Dichloroethene
Concen: 4.786 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 7260
Ion Ratio Lower Upper
96 100
61 174.0 0.0 332.4
98 63.1 0.0 129.0



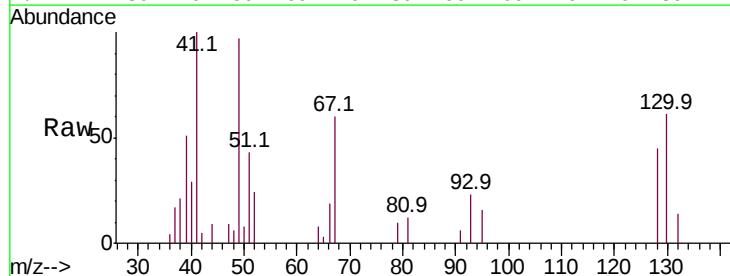
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



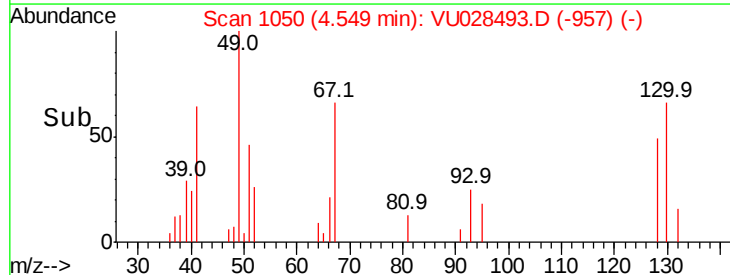
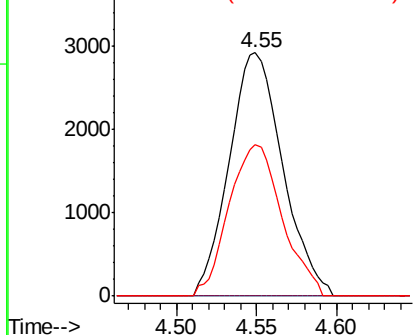
#28

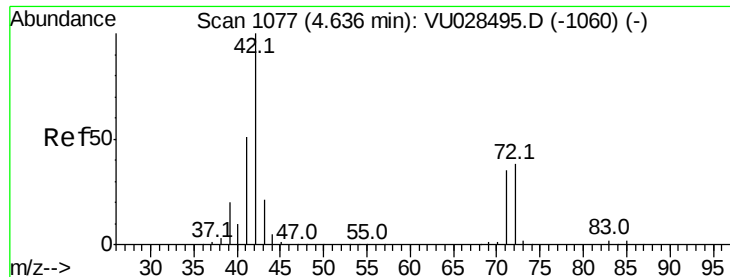
Bromochloromethane
Concen: 5.148 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 49 Resp: 6709
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 61.8 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 24.506 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

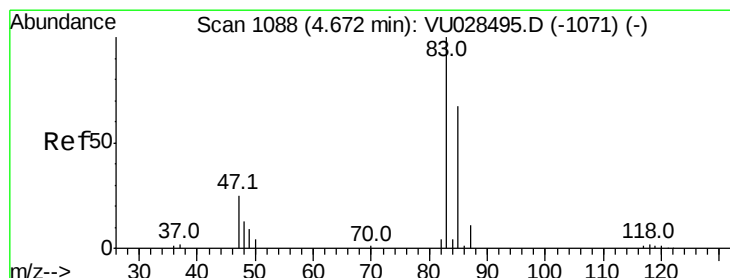
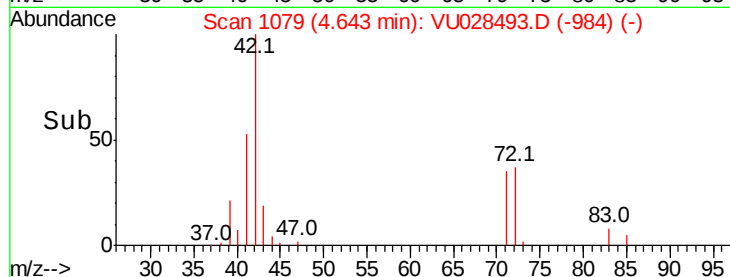
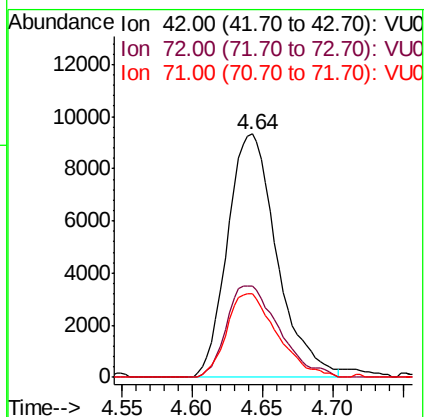
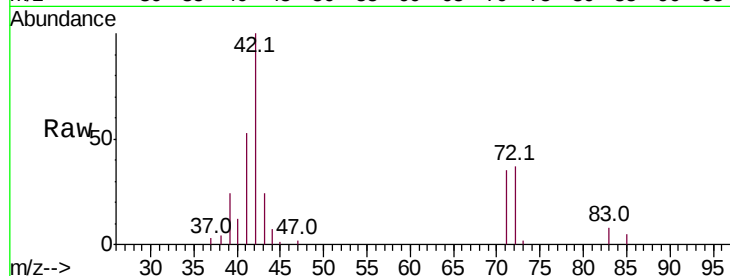
Tot Ion: 42 Resp: 22901

Ion Ratio Lower Upper

42 100

72 39.7 31.4 47.0

71 35.0 28.6 43.0



#30

Chloroform

Concen: 5.179 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028493.D

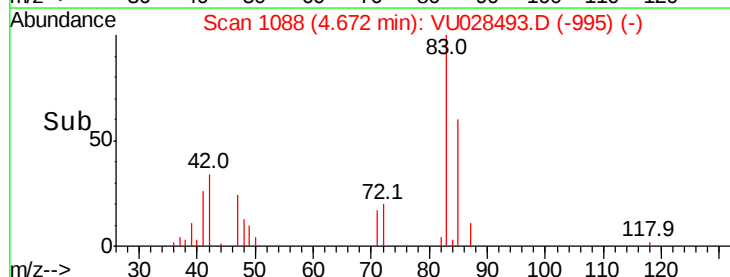
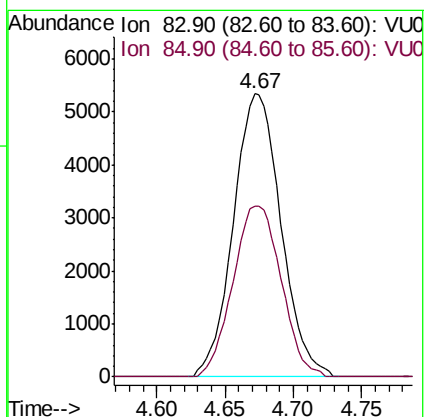
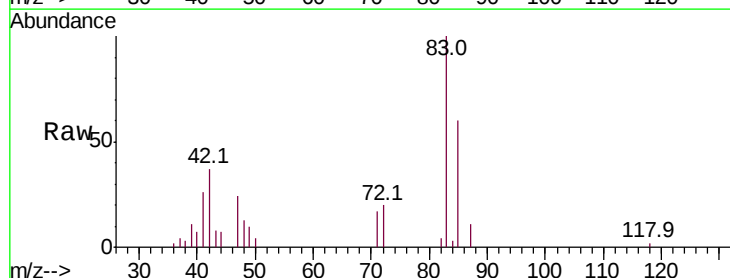
Acq: 06 Dec 2018 11:47

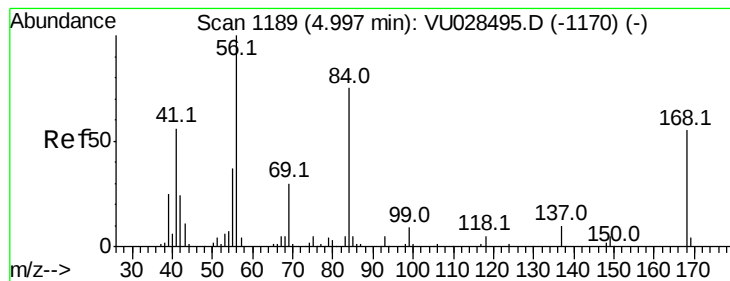
Tgt Ion: 83 Resp: 12939

Ion Ratio Lower Upper

83 100

85 60.3 53.6 80.4





#31

Cyclohexane

Concen: 4.991 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

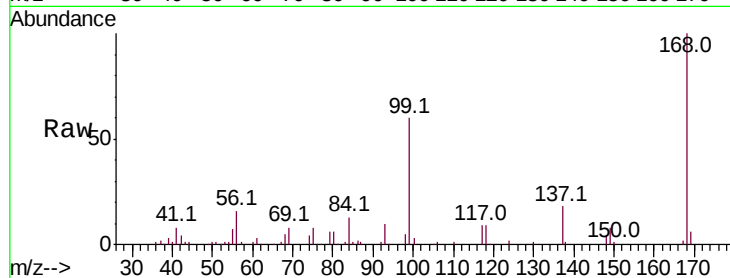
Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

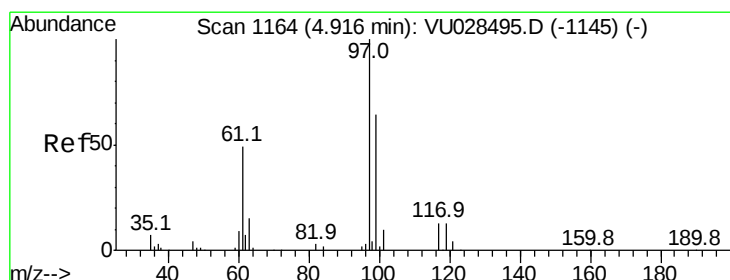
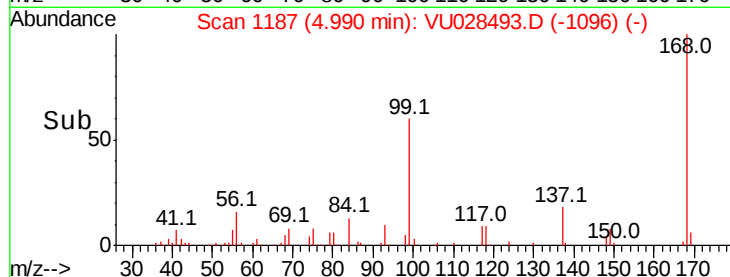
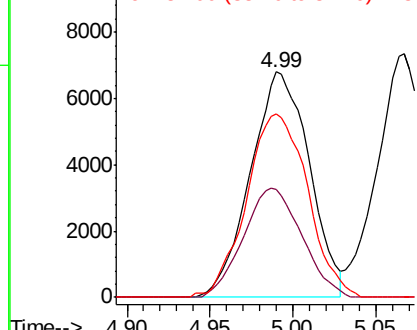
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 16784

Ion	Ratio	Lower	Upper
56	100		
69	47.7	24.0	36.0#
84	81.7	59.7	89.5



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



#32

1,1,1-Trichloroethane

Concen: 4.927 ug/l

RT: 4.91 min Scan# 1163

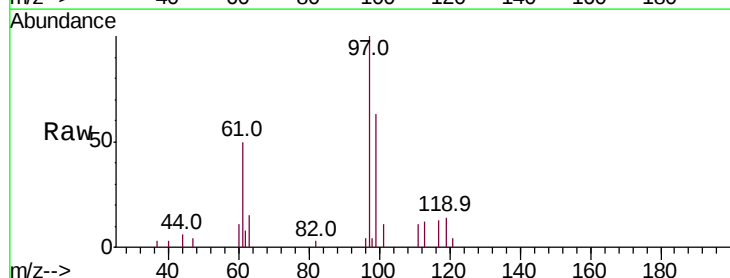
Delta R.T. -0.00 min

Lab File: VU028493.D

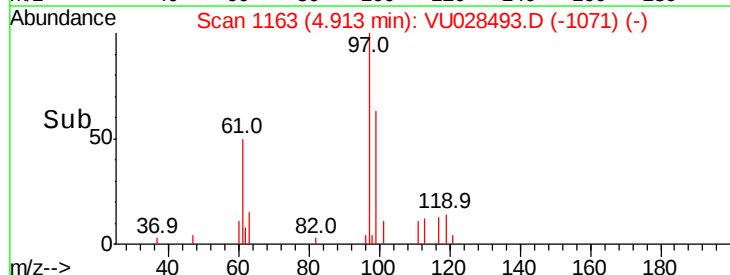
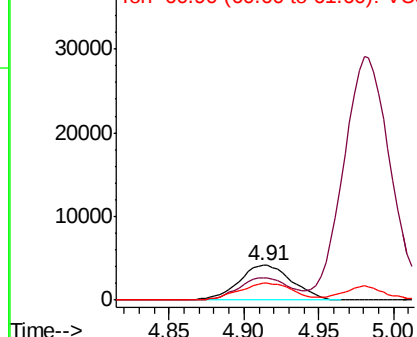
Acq: 06 Dec 2018 11:47

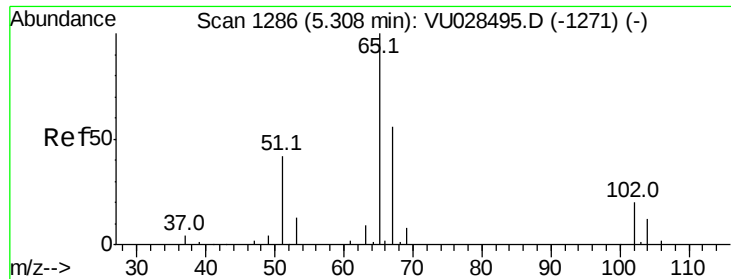
Tgt Ion: 97 Resp: 10223

Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.3	78.5
61	50.3	39.0	58.6



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

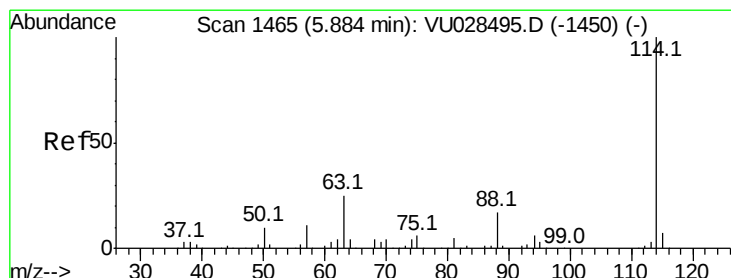
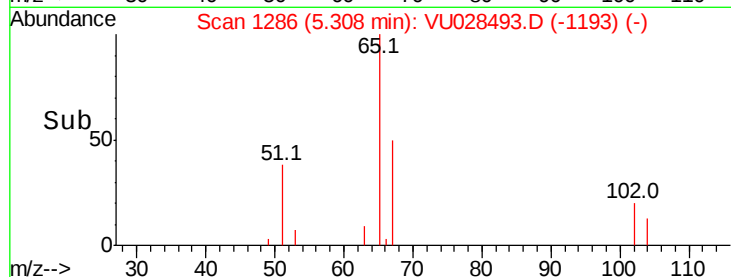
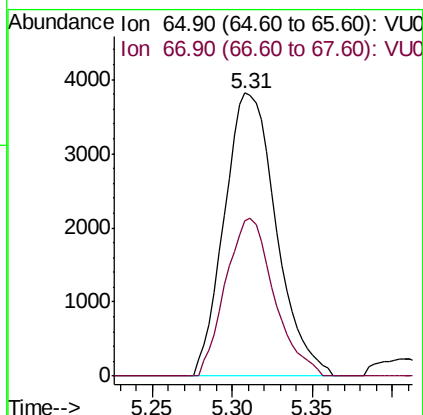
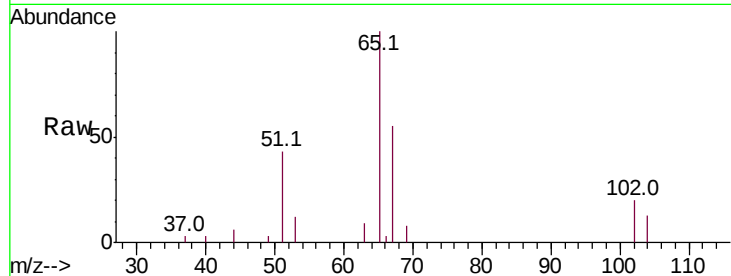




#33
 1,2-Dichloroethane-d4
 Concen: 5.185 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

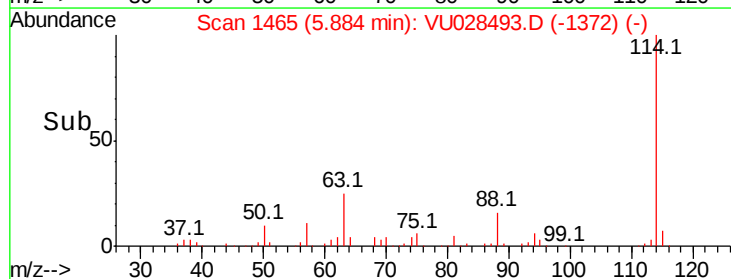
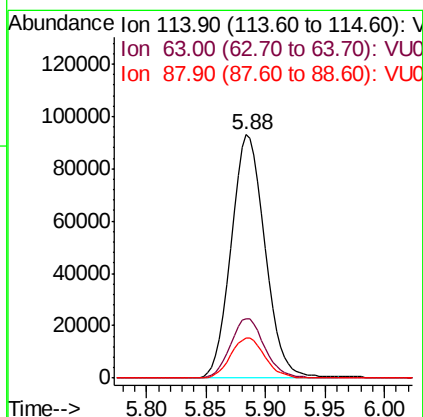
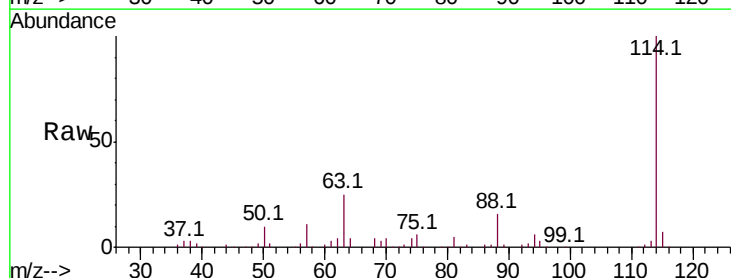
Instrument :
 MSVOA_U
 ClientSampleId :

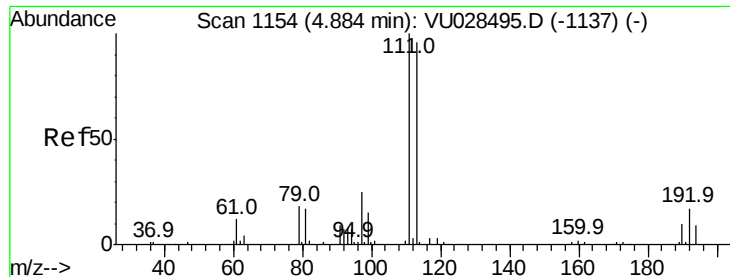
Tot Ion: 65 Resp: 8460
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 114 Resp: 183542
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.3 0.0 33.4

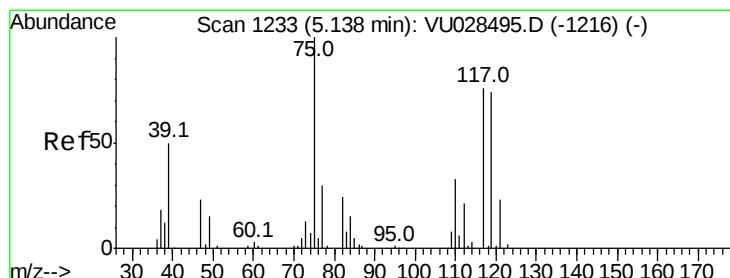
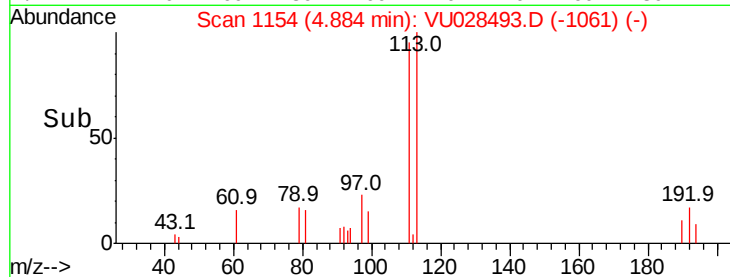
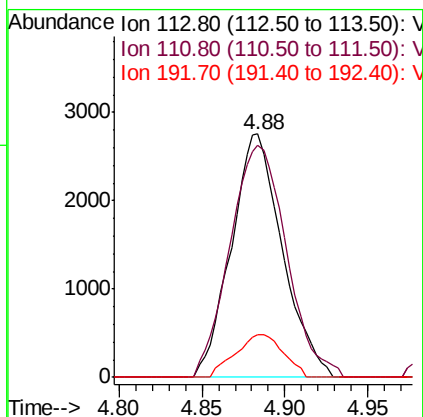
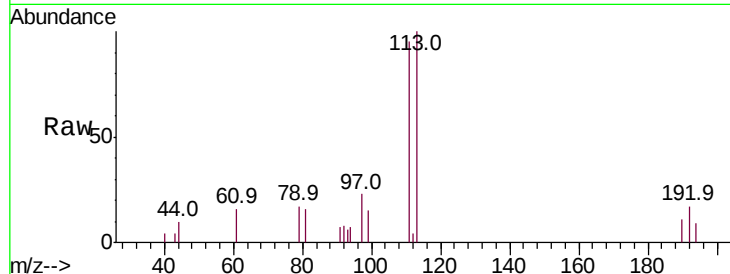




#35
 Dibromofluoromethane
 Concen: 5.122 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

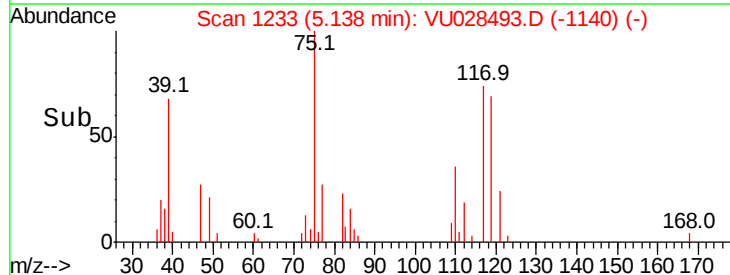
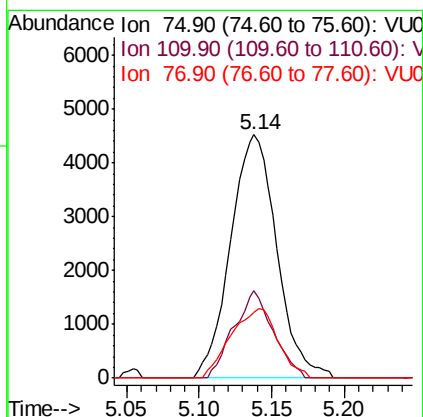
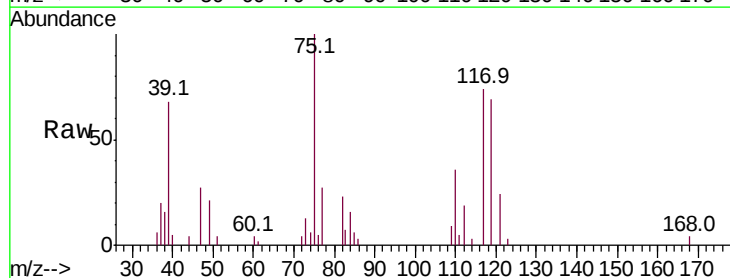
Instrument :
 MSVOA_U
 ClientSampleId :

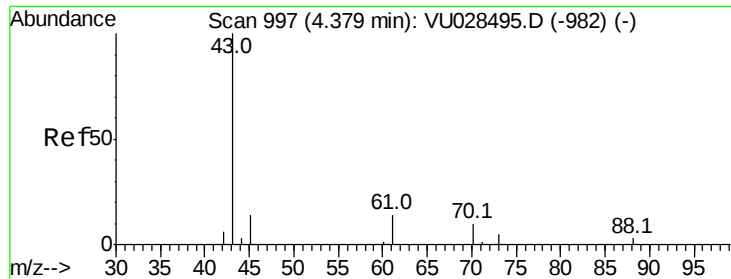
Tot Ion:113 Resp: 5916
 Ion Ratio Lower Upper
 113 100
 111 105.4 83.4 125.0
 192 16.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 75 Resp: 9987
 Ion Ratio Lower Upper
 75 100
 110 30.5 16.1 48.2
 77 29.1 24.5 36.7

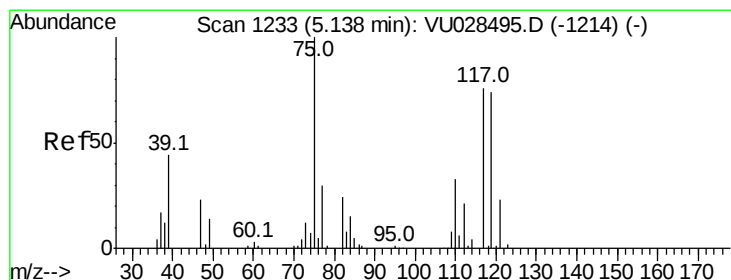
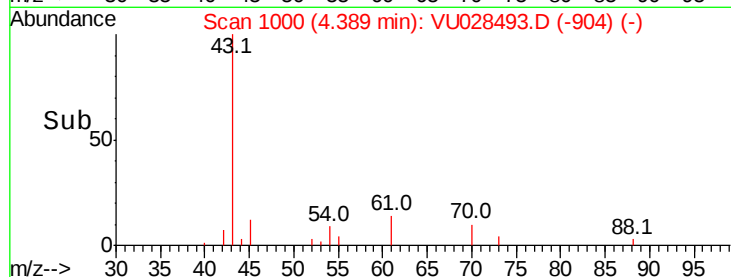
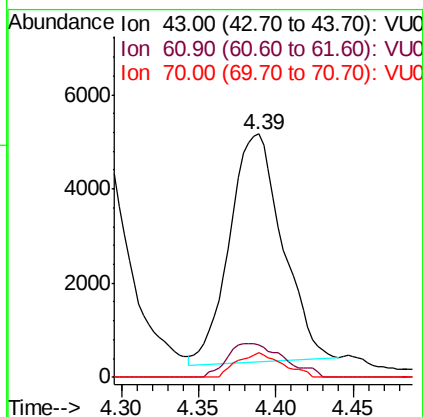
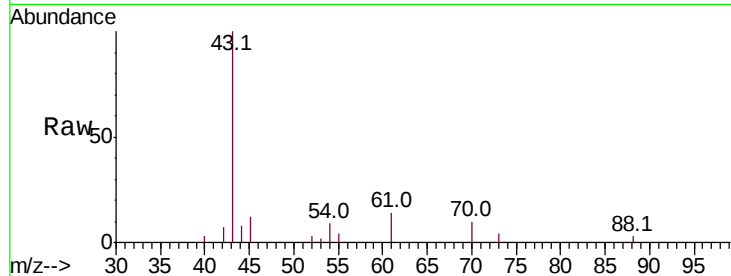




#37
Ethyl Acetate
Concen: 4.429 ug/l
RT: 4.39 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

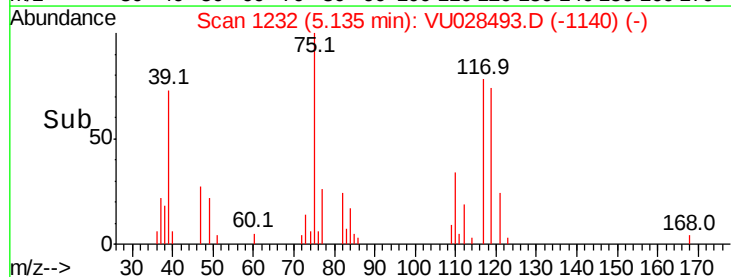
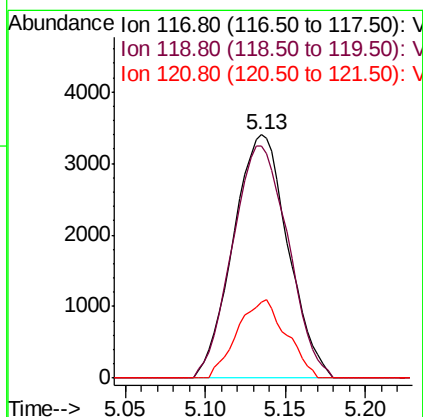
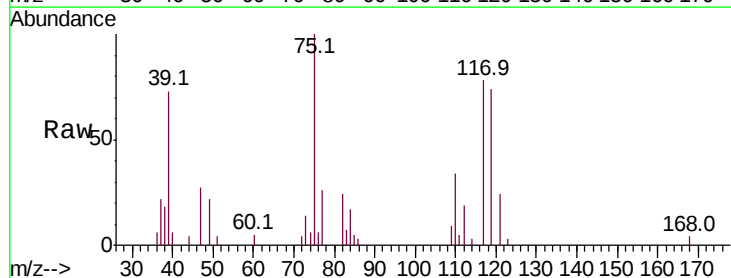
Instrument :
MSVOA_U
ClientSampleId :

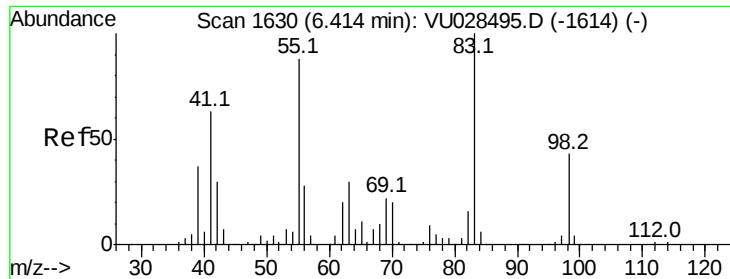
Tot Ion: 43 Resp: 11500
Ion Ratio Lower Upper
43 100
61 15.9 11.0 16.4
70 9.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 4.928 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 117 Resp: 7977
Ion Ratio Lower Upper
117 100
119 95.3 77.6 116.4
121 31.4 24.6 36.8

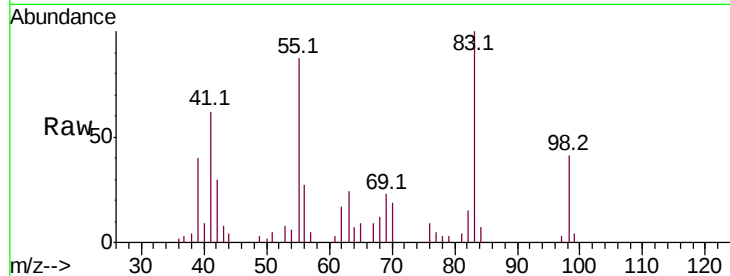




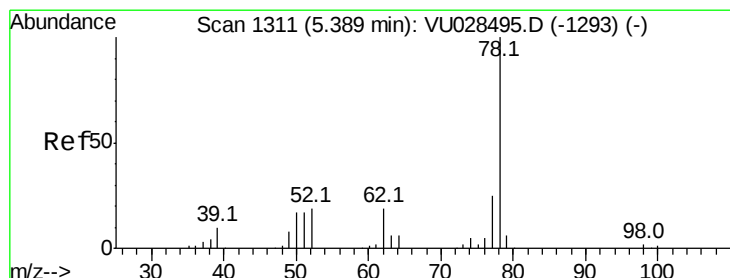
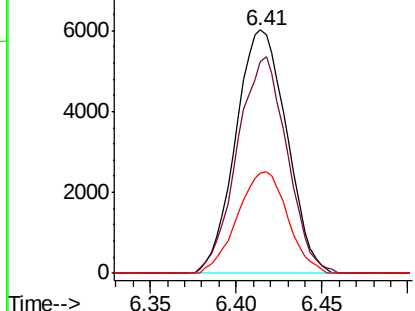
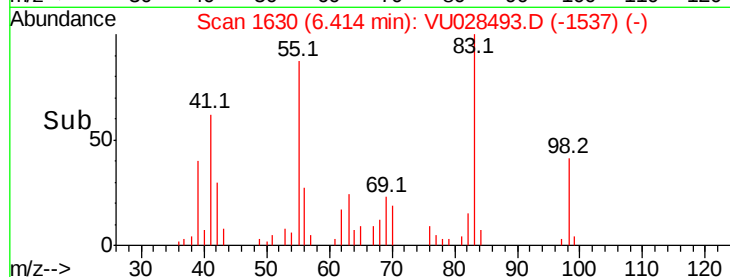
#39
Methvlcvclohexane
Concen: 5.063 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 12407
Ion Ratio Lower Upper
83 100
55 86.8 70.2 105.2
98 41.2 34.2 51.4

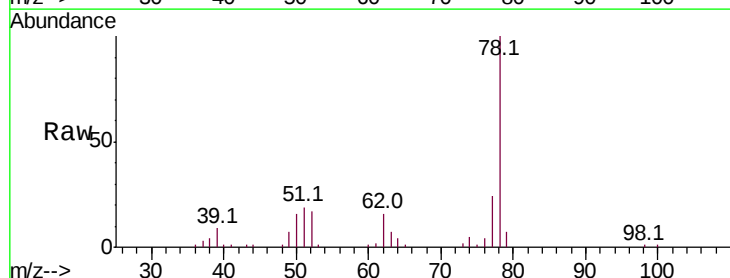


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

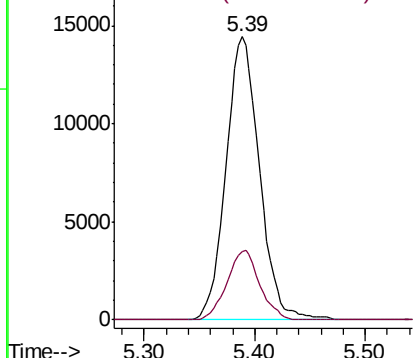
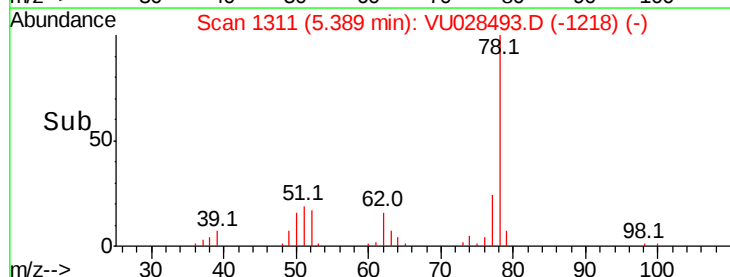


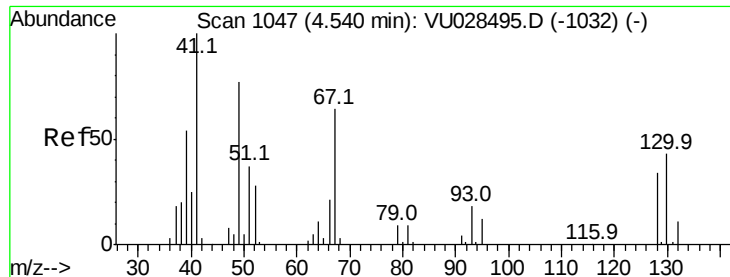
#40
Benzene
Concen: 5.128 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 78 Resp: 30332
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9



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

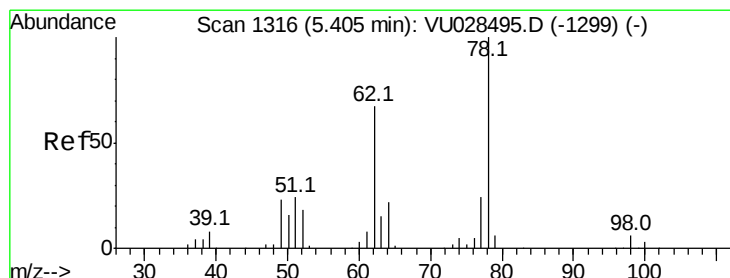
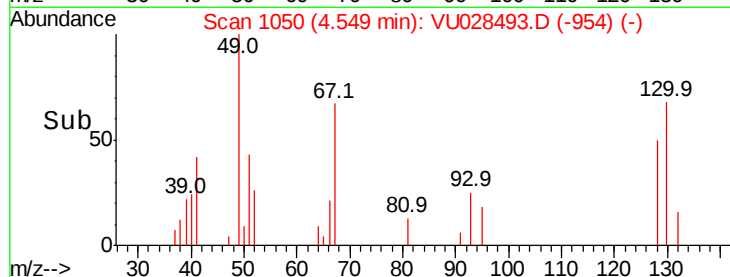
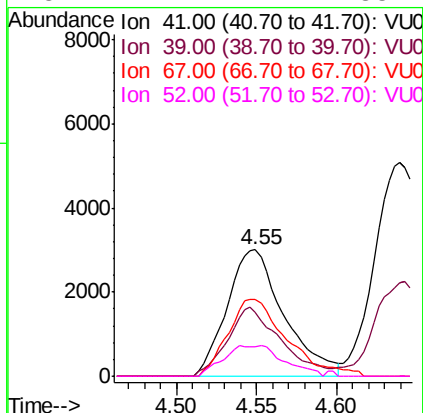
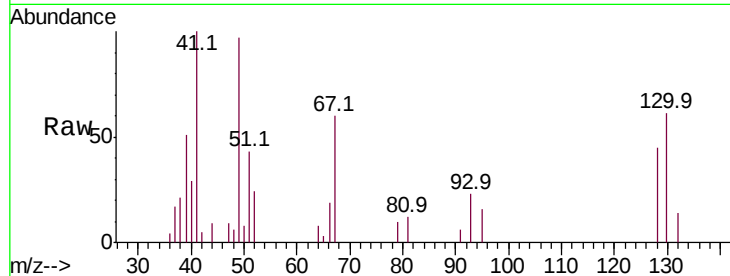




#41
Methacrylonitrile
Concen: 5.152 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

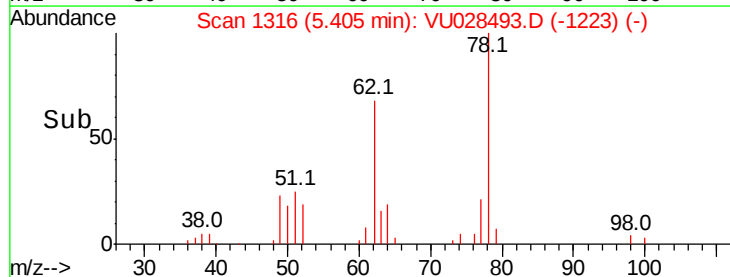
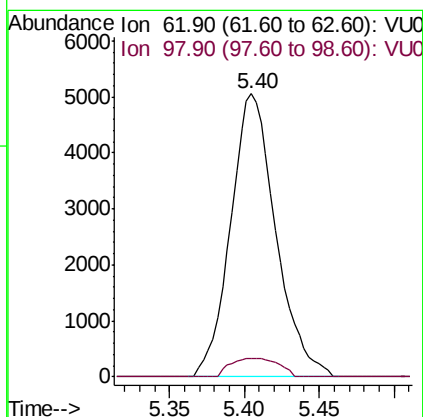
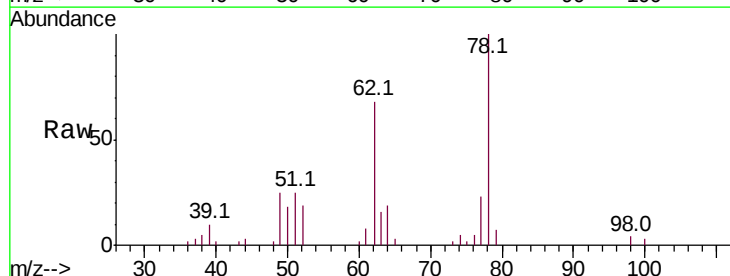
Instrument :
MSVOA_U
ClientSampled :

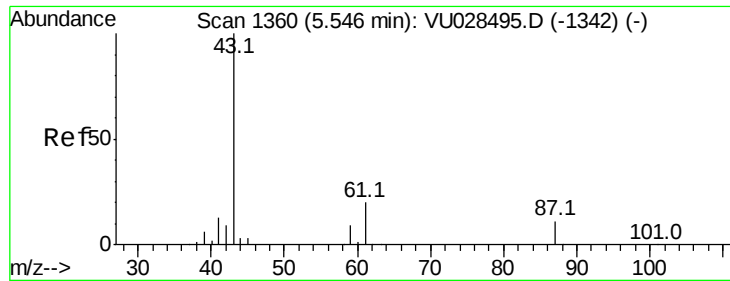
Tot Ion: 41 Resp: 7326
Ion Ratio Lower Upper
41 100
39 51.0 43.3 64.9
67 62.8 53.6 80.4
52 12.2 22.1 33.1#



#42
1,2-Dichloroethane
Concen: 5.138 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 62 Resp: 10639
Ion Ratio Lower Upper
62 100
98 7.0 0.0 17.2





#43

Isopropyl Acetate

Concen: 4.931 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

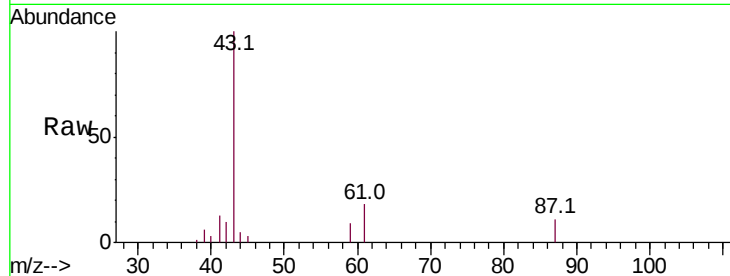
Tot Ion: 43 Resp: 20251

Ion Ratio Lower Upper

43 100

61 17.6 15.5 23.3

87 10.5 8.7 13.1



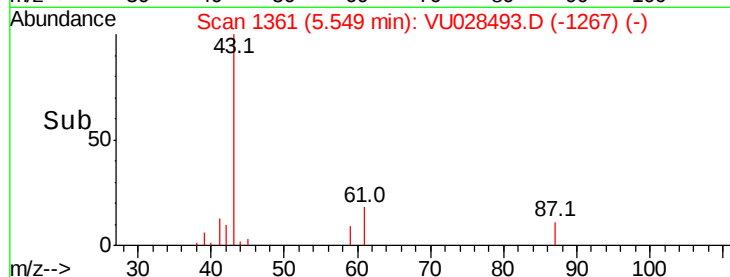
Abundance Ion 43.00 (42.70 to 43.70): VU028493.D (-1361) (-)

Ion 61.00 (60.70 to 61.70): VU028493.D (-1361) (-)

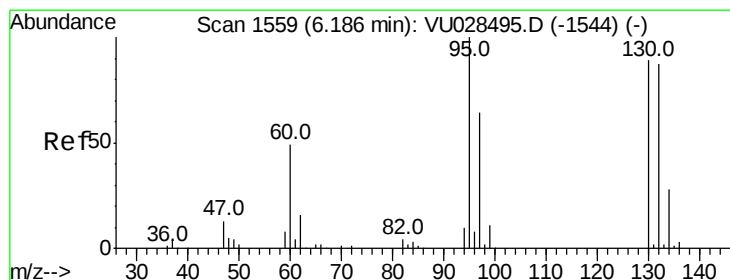
Ion 87.00 (86.70 to 87.70): VU028493.D (-1361) (-)

5.55

Time-->



Time-->



#44

Trichloroethene

Concen: 5.105 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028493.D

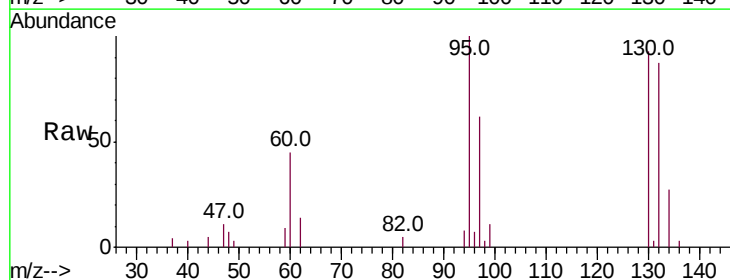
Acq: 06 Dec 2018 11:47

Tgt Ion:130 Resp: 6715

Ion Ratio Lower Upper

130 100

95 107.4 0.0 224.0

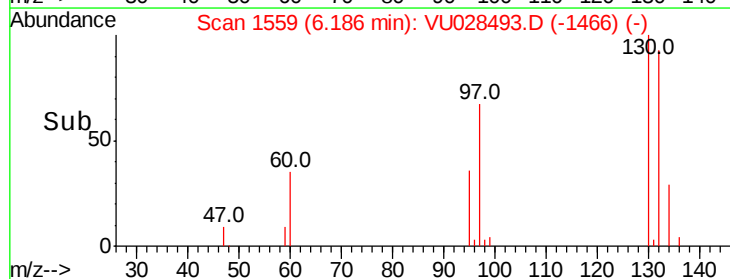


Abundance Ion 129.80 (129.50 to 130.50): VU028493.D (-1559) (-)

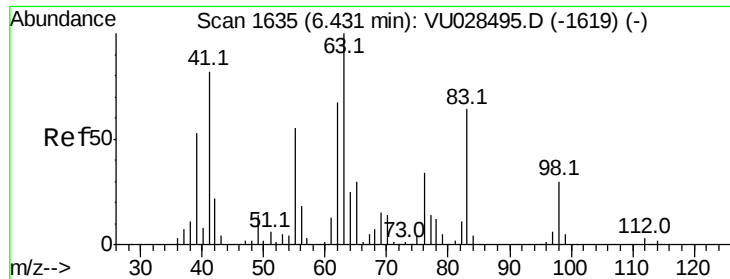
Ion 94.90 (94.60 to 95.60): VU028493.D (-1559) (-)

6.19

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 5.148 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

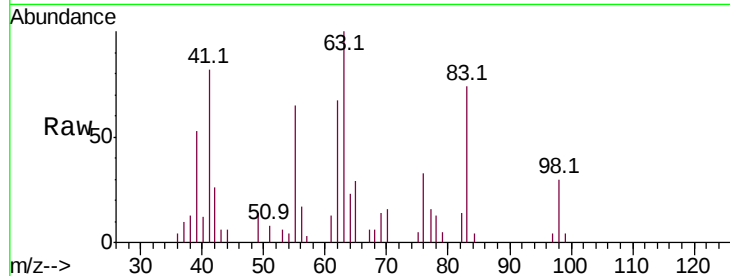
ClientSampleId :

Tot Ion: 63 Resp: 8564

Ion Ratio Lower Upper

63 100

65 29.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

5000

4000

3000

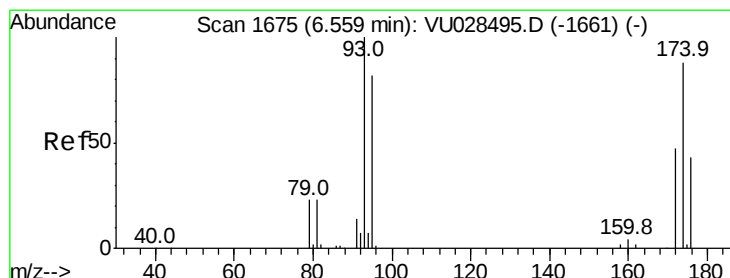
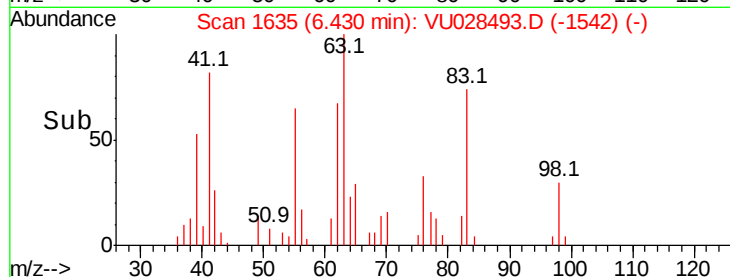
2000

1000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 5.070 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

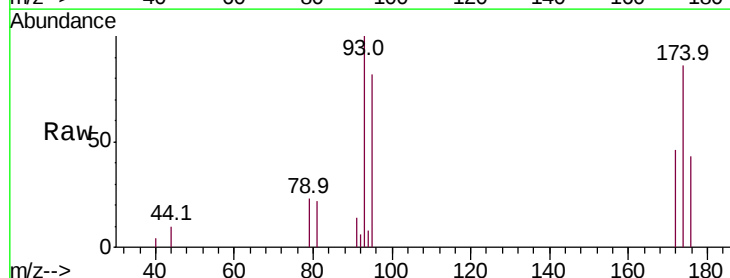
Tgt Ion: 93 Resp: 5004

Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.2

174 89.6 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

3000

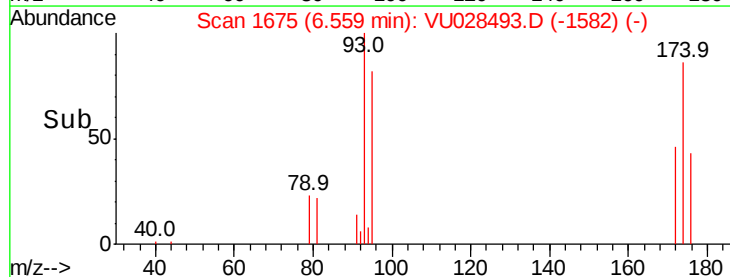
2000

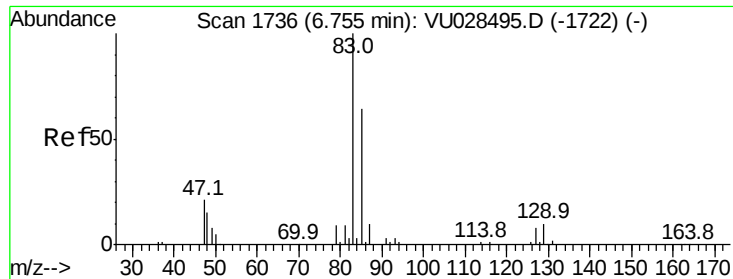
1000

0

6.50 6.55 6.60

Time-->

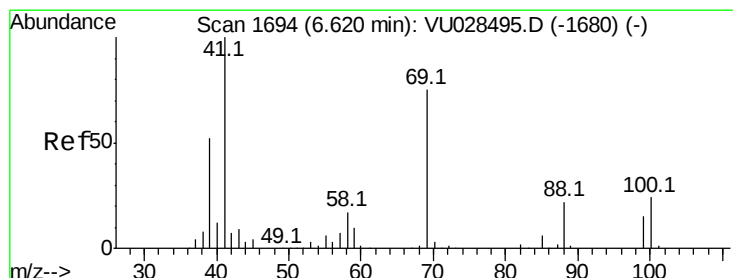
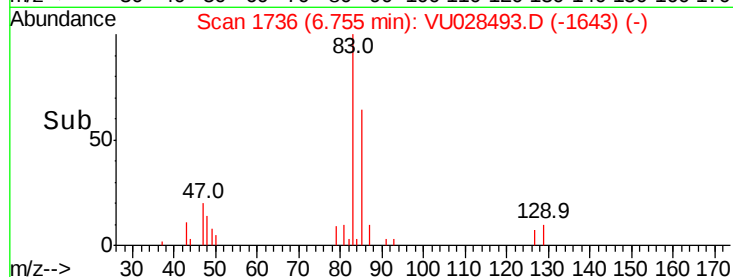
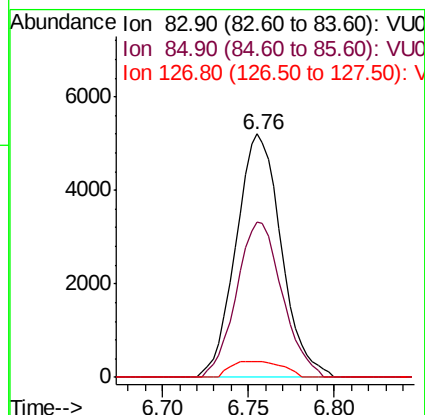
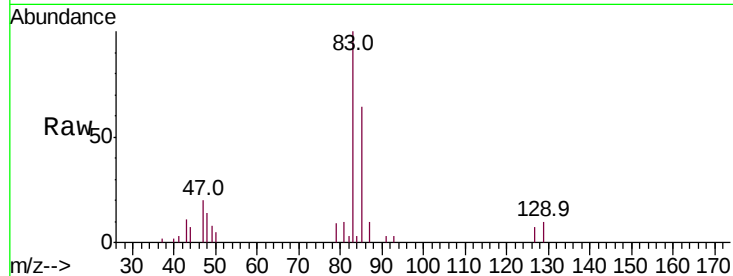




#47
 Bromodichloromethane
 Concen: 4.960 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

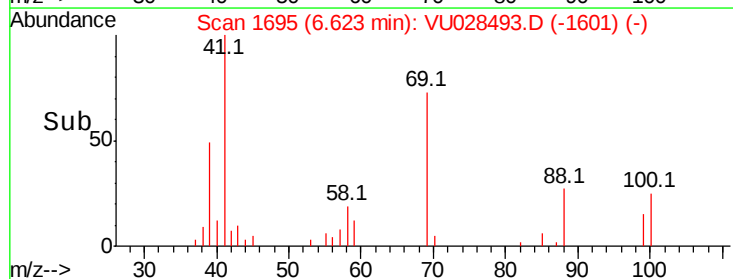
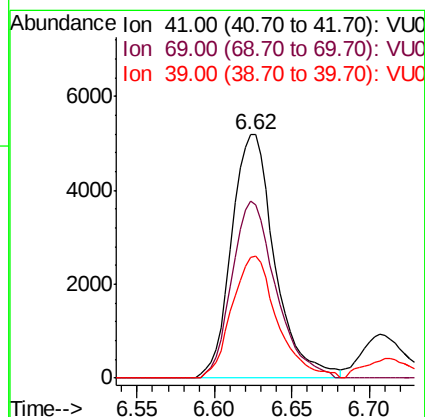
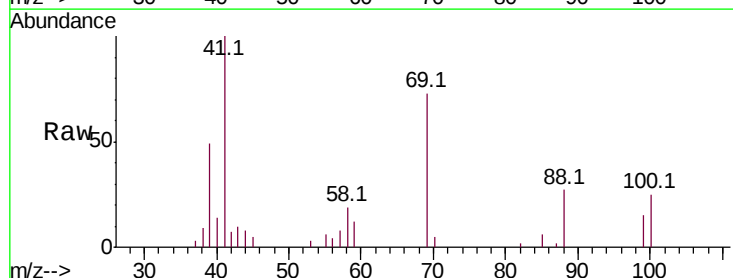
Instrument :
 MSVOA_U
 ClientSampleId :

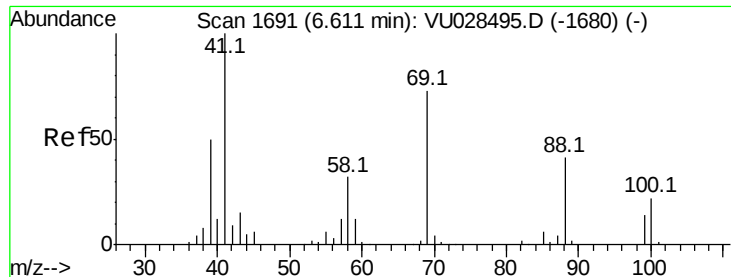
Tot Ion: 83 Resp: 9527
 Ion Ratio Lower Upper
 83 100
 85 63.7 51.5 77.3
 127 6.6 6.2 9.4



#48
 Methyl methacrylate
 Concen: 4.940 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 41 Resp: 10089
 Ion Ratio Lower Upper
 41 100
 69 73.7 60.4 90.6
 39 52.2 41.1 61.7





#49

1,4-Dioxane

Concen: 98.677 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampled :

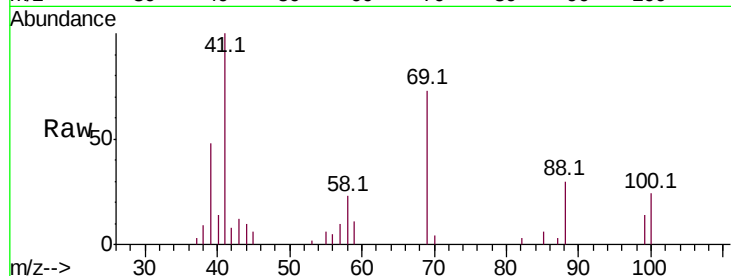
Tot Ion: 88 Resp: 3182

Ion Ratio Lower Upper

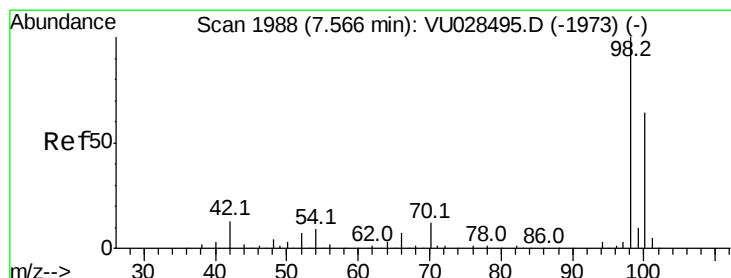
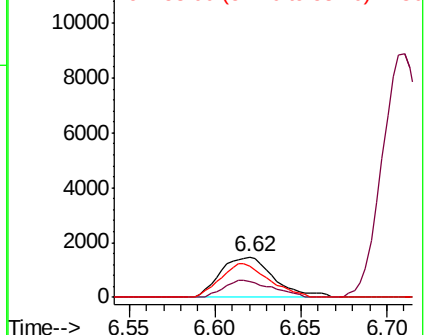
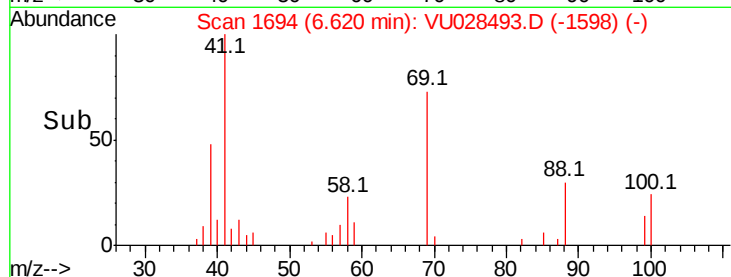
88 100

43 38.3 30.9 46.3

58 74.7 62.4 93.6



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



#50

Toluene-d8

Concen: 4.948 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028493.D

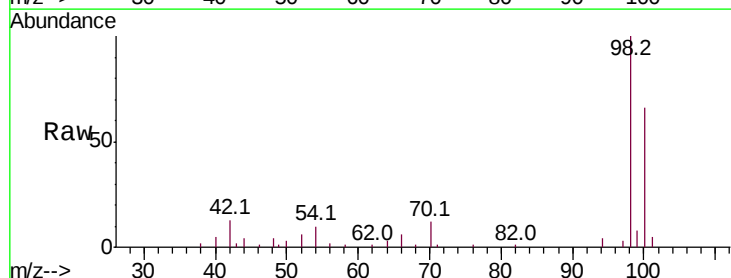
Acq: 06 Dec 2018 11:47

Tgt Ion: 98 Resp: 22608

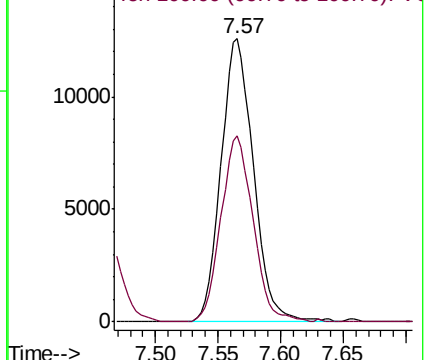
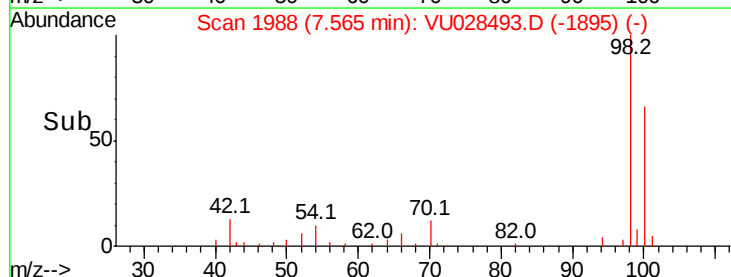
Ion Ratio Lower Upper

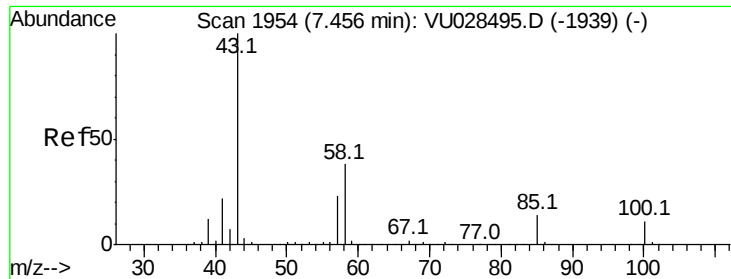
98 100

100 65.1 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 25.146 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

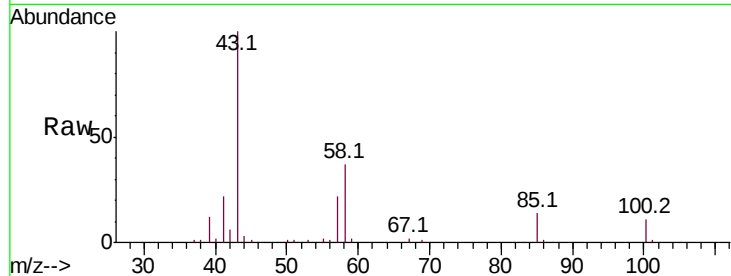
ClientSampled :

Tot Ion: 43 Resp: 65130

Ion Ratio Lower Upper

43 100

58 36.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

40000

30000

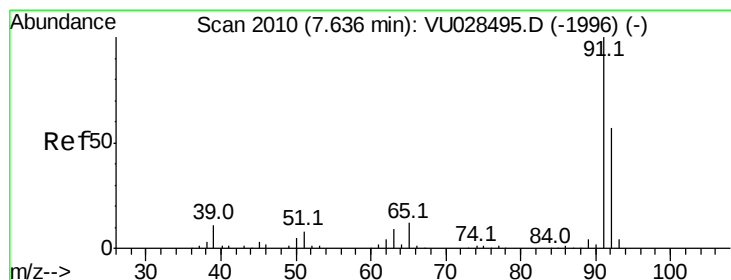
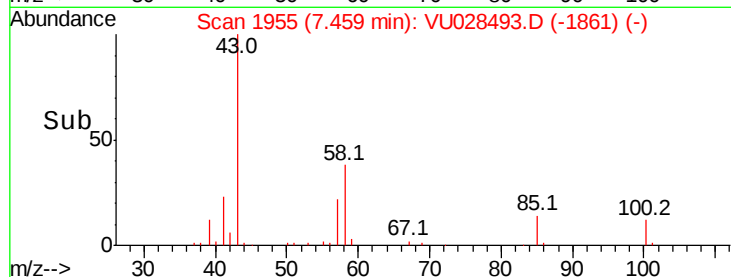
20000

10000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 4.914 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028493.D

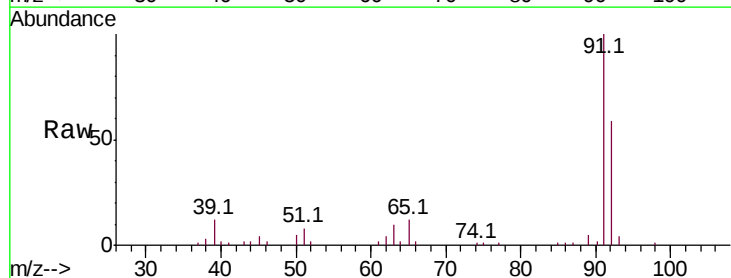
Acq: 06 Dec 2018 11:47

Tgt Ion: 92 Resp: 17108

Ion Ratio Lower Upper

92 100

91 177.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

15000

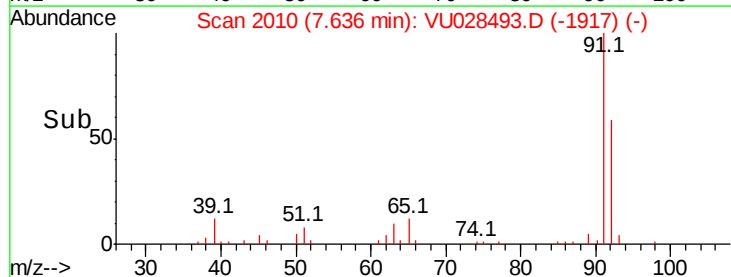
10000

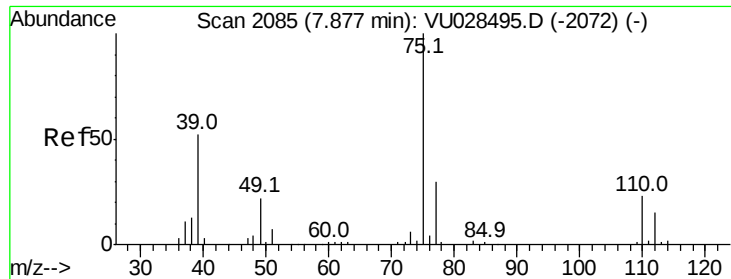
5000

0

7.55 7.60 7.65 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.926 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

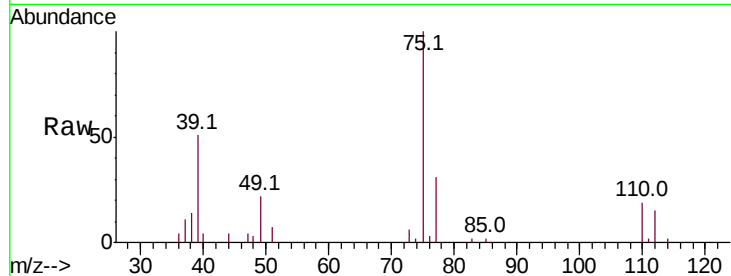
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 11267

Ion Ratio Lower Upper

75 100

77 30.9 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

6000

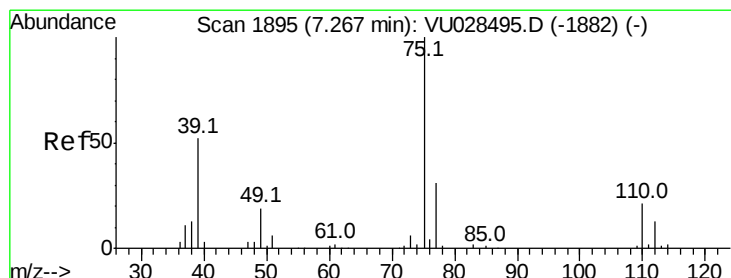
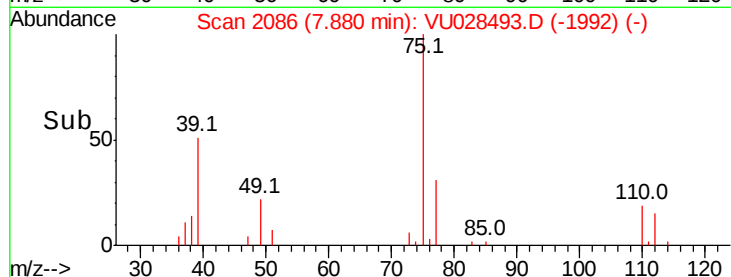
4000

2000

0

7.85 7.90 7.95

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.980 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

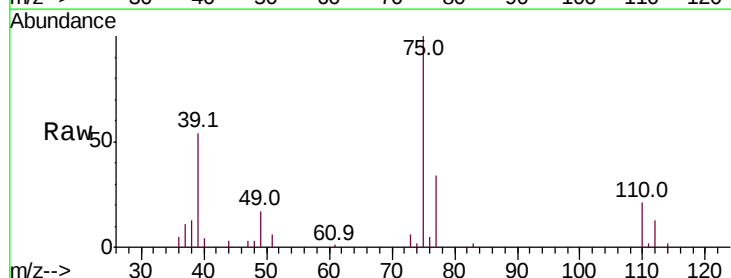
Tgt Ion: 75 Resp: 12358

Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.4

39 54.2 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

6000

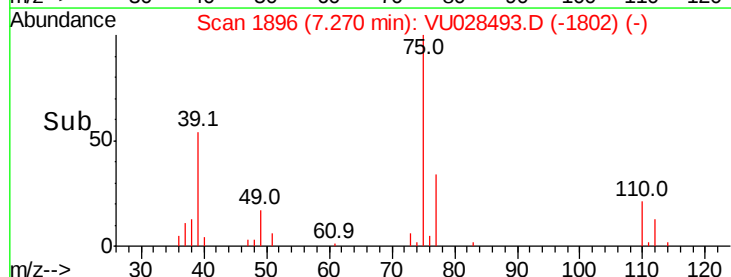
4000

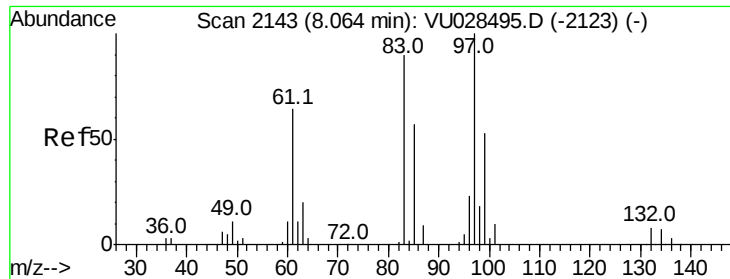
2000

0

7.20 7.25 7.30 7.35

Time-->



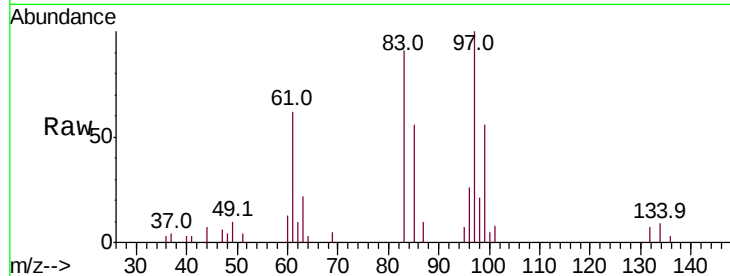


#55
 1,1,2-Trichloroethane
 Concen: 5.098 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 7015

Ion	Ratio	Lower	Upper
97	100		
83	91.5	72.4	108.6
85	56.0	46.0	69.0
99	56.4	47.4	71.2



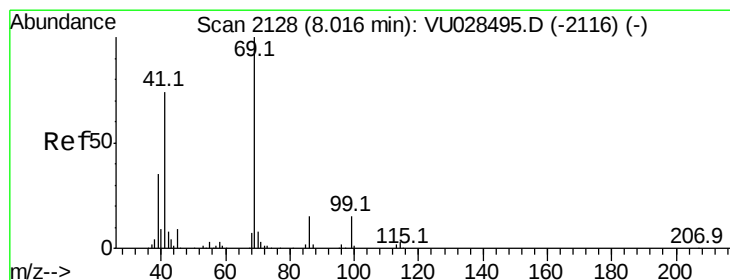
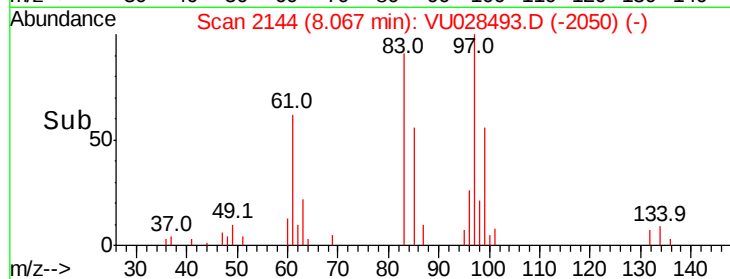
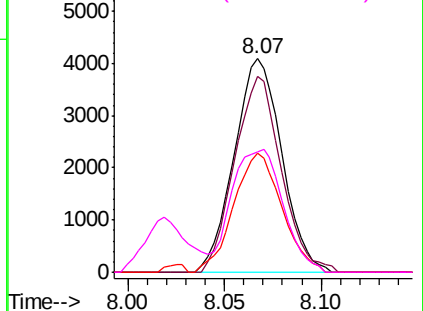
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

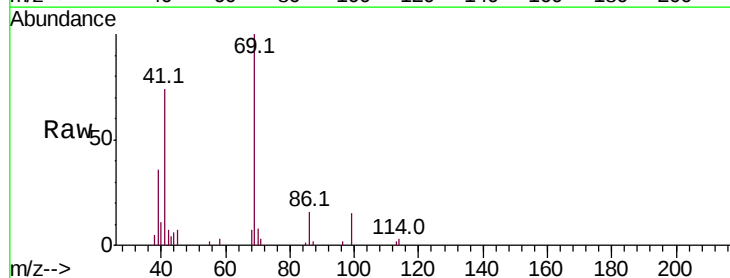
Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 4.653 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 69 Resp: 10966

Ion	Ratio	Lower	Upper
69	100		
41	79.0	59.1	88.7
39	38.2	28.4	42.6

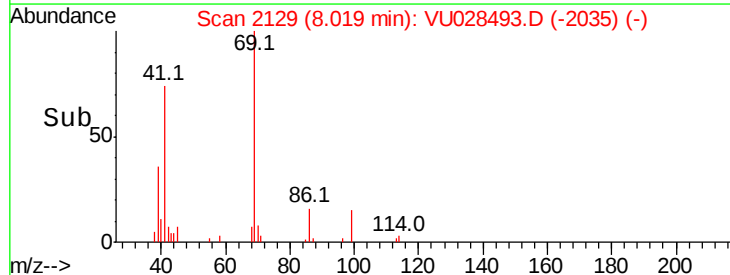
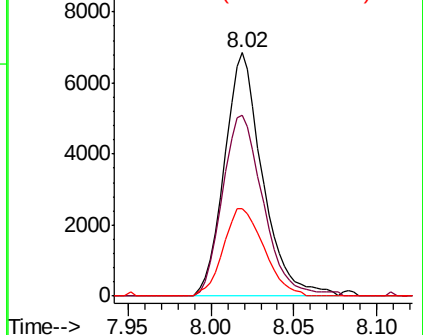


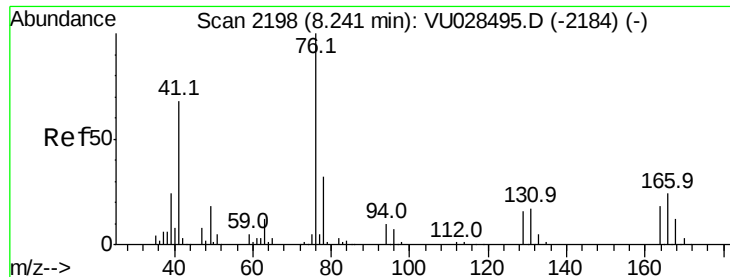
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 4.912 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

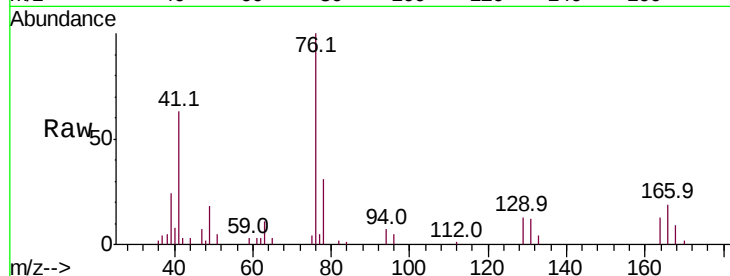
ClientSampleId :

Tot Ion: 76 Resp: 12547

Ion Ratio Lower Upper

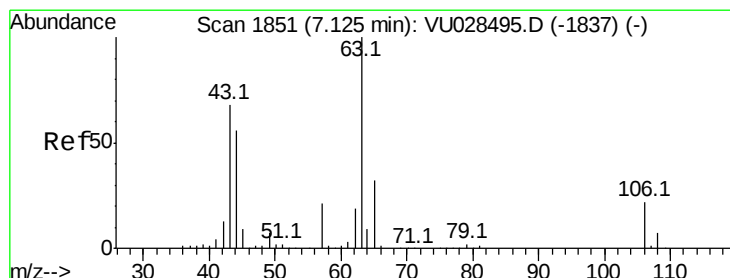
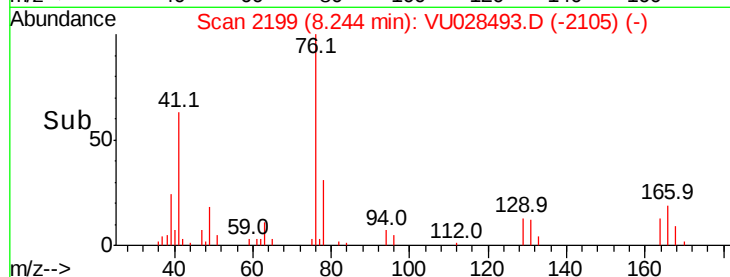
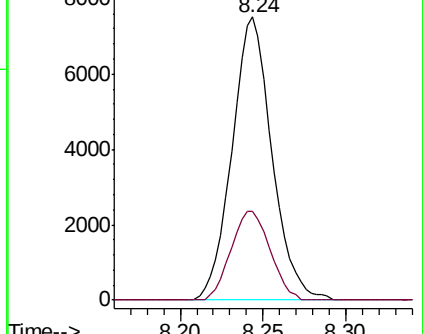
76 100

78 30.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 23.644 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028493.D

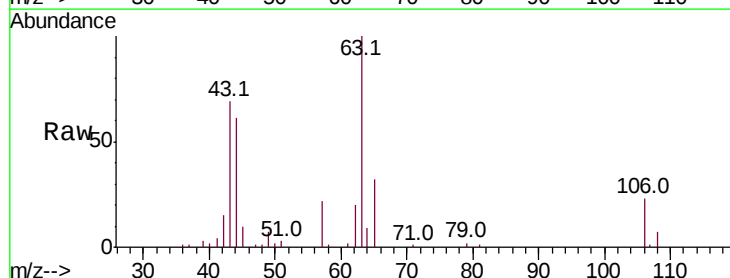
Acq: 06 Dec 2018 11:47

Tgt Ion: 63 Resp: 28539

Ion Ratio Lower Upper

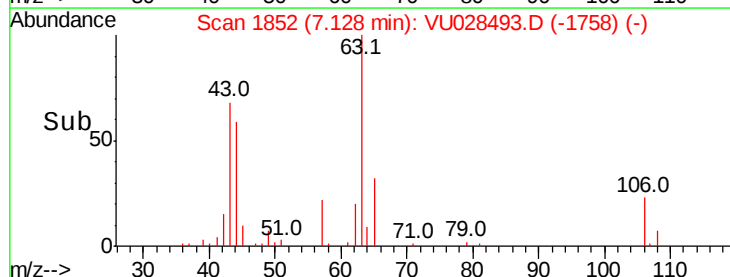
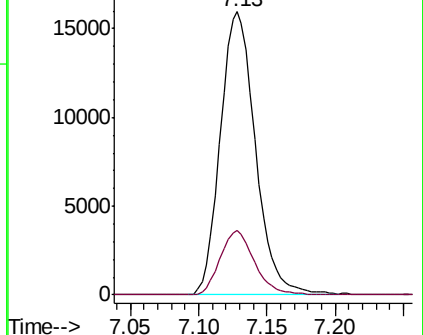
63 100

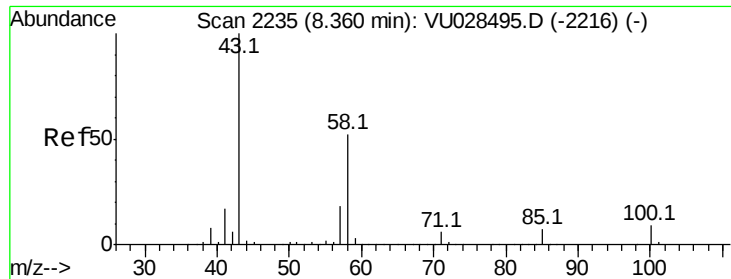
106 22.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

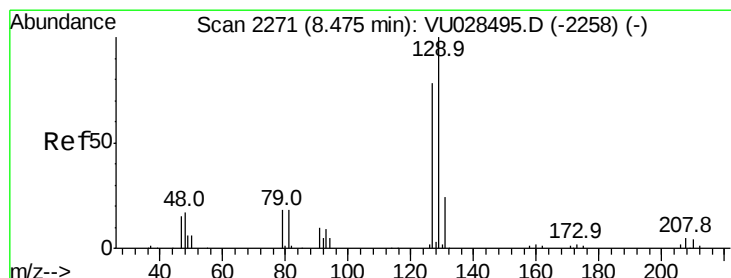
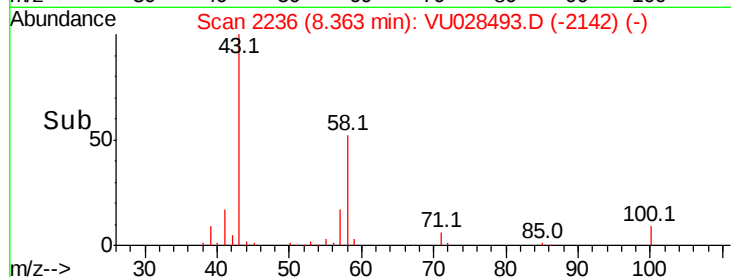
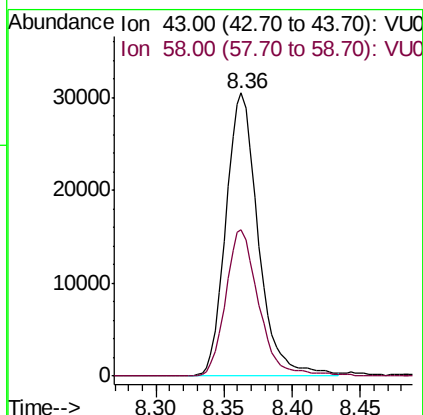
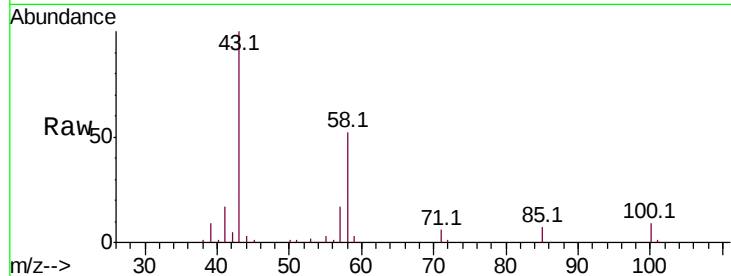




#59
2-Hexanone
Concen: 24.573 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

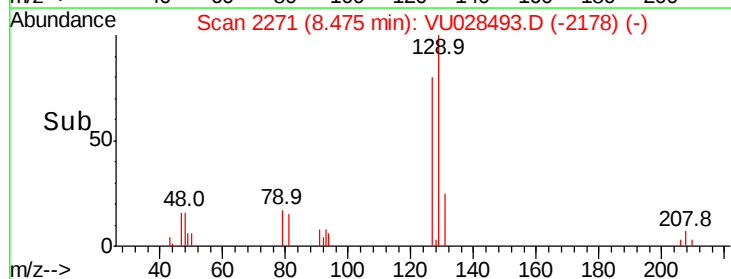
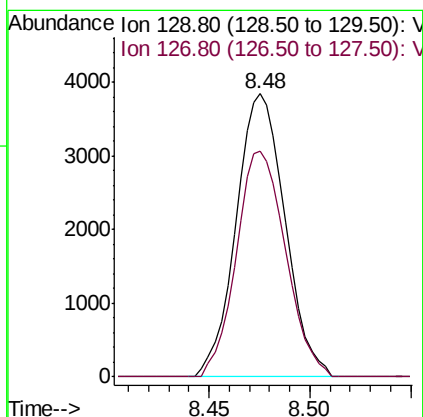
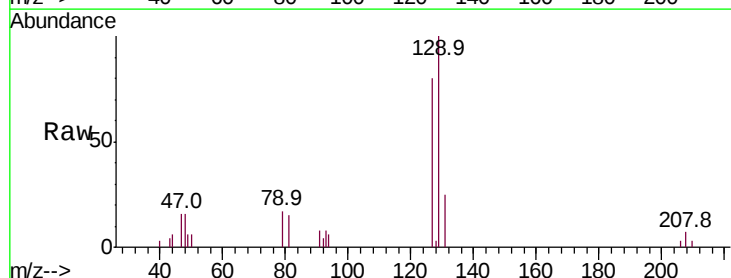
Instrument :
MSVOA_U
ClientSampled :

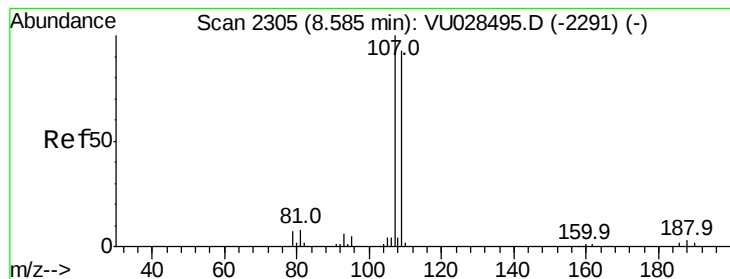
Tot Ion: 43 Resp: 50448
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.6



#60
Dibromochloromethane
Concen: 4.841 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 129 Resp: 6522
Ion Ratio Lower Upper
129 100
127 80.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 5.043 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

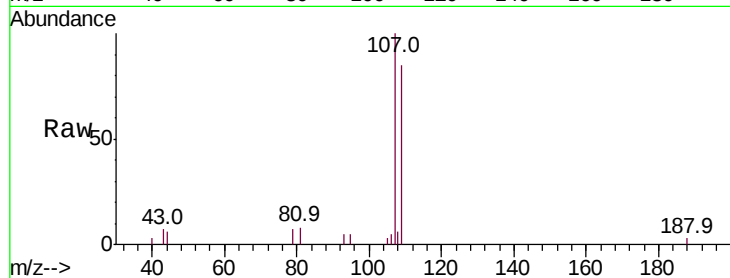
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 7278

Ion Ratio Lower Upper

107 100

109 91.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

5000

4000

3000

2000

1000

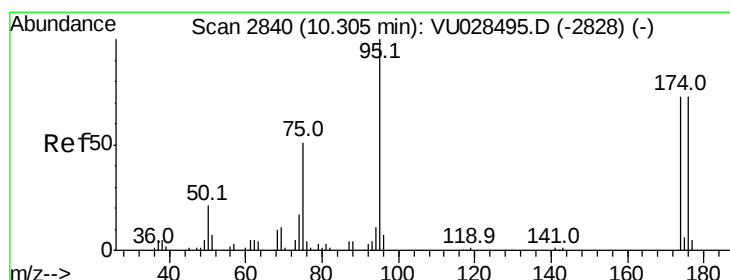
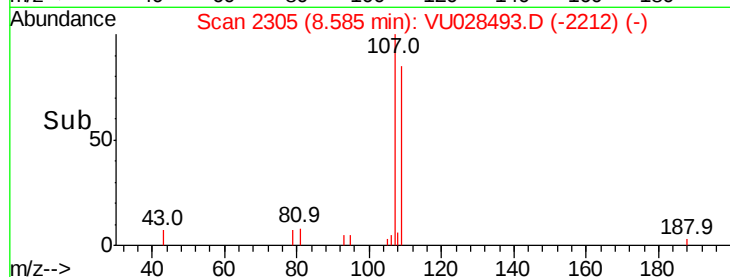
0

8.55

8.60

8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 4.980 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

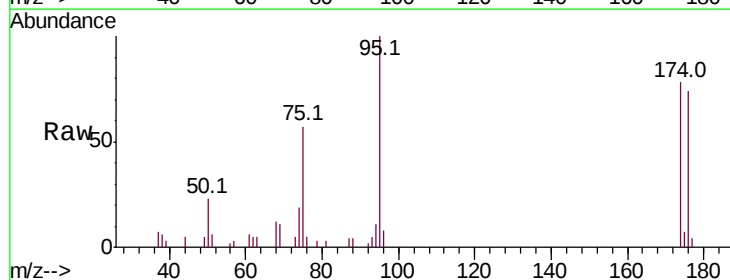
Tgt Ion: 95 Resp: 8504

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.4

176 73.5 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

6000

4000

2000

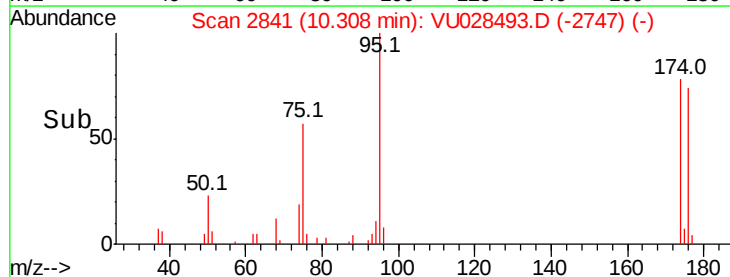
0

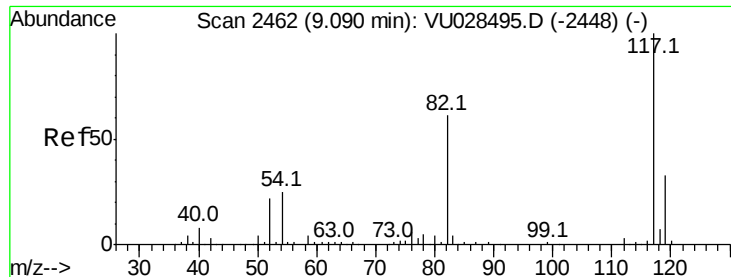
10.25

10.30

10.35

Time-->

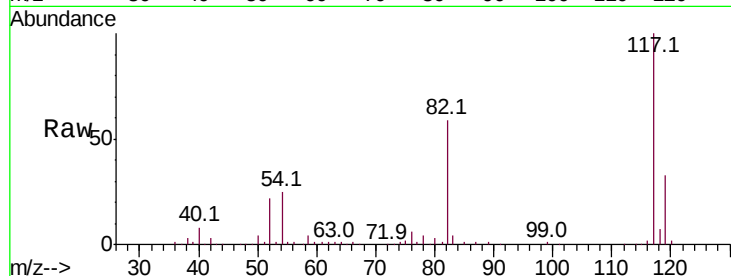




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.9	73.3
119	32.8	26.2	39.4

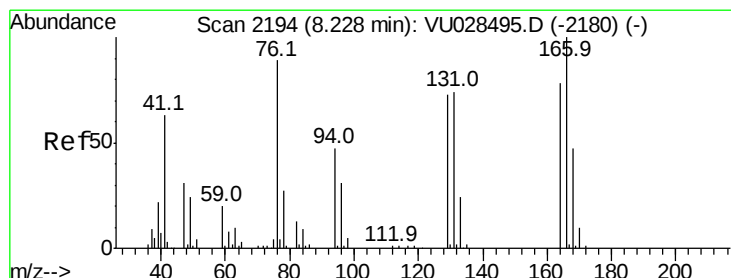
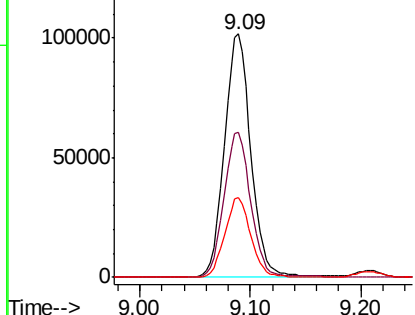
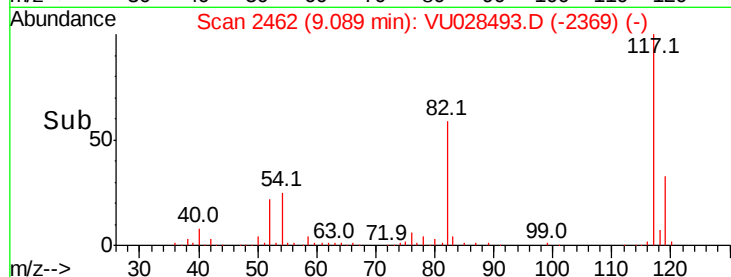


Abundance

Ion 116.90 (116.60 to 117.60): V

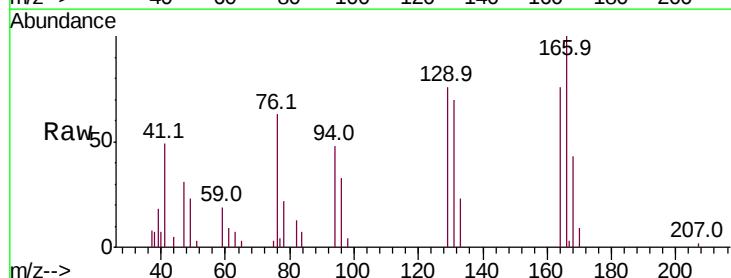
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.059 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	101.9	152.9
129	99.7	74.9	112.3
131	92.1	75.4	113.0



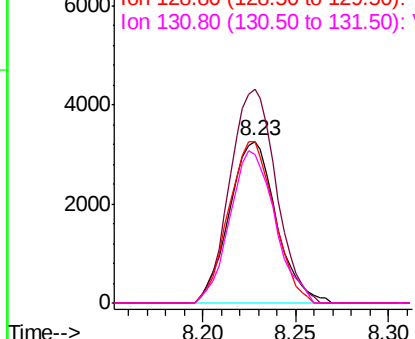
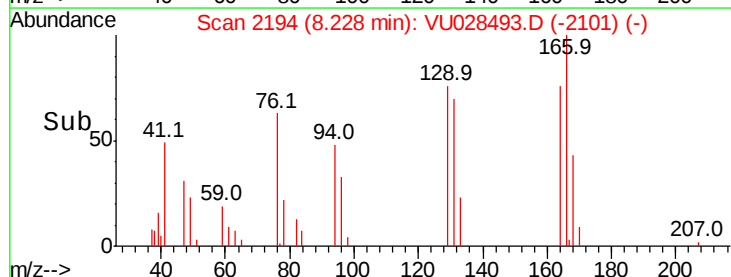
Abundance

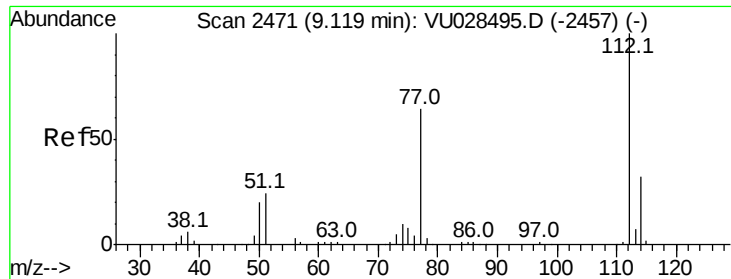
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

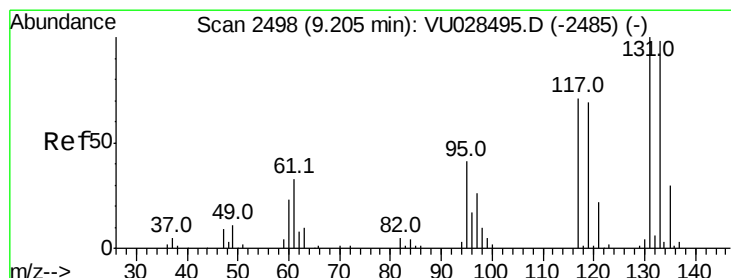
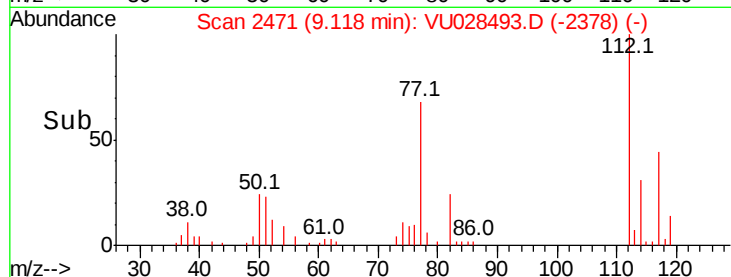
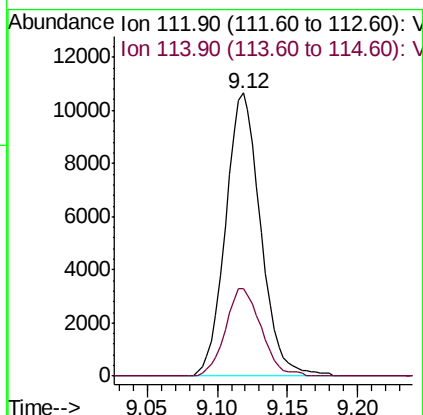
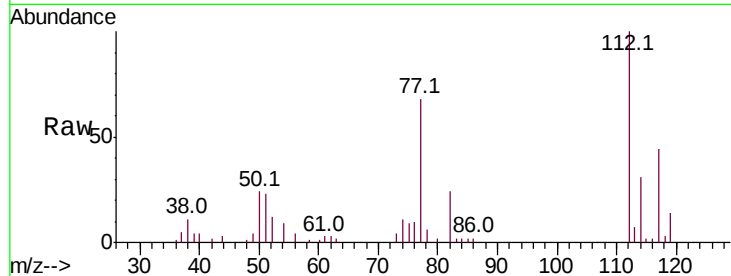




#65
Chlorobenzene
Concen: 5.116 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

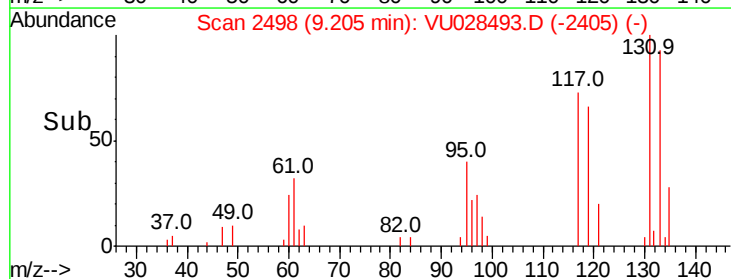
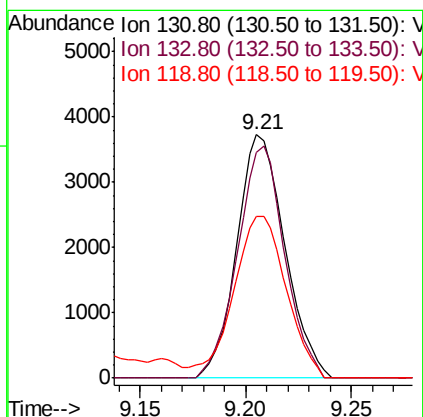
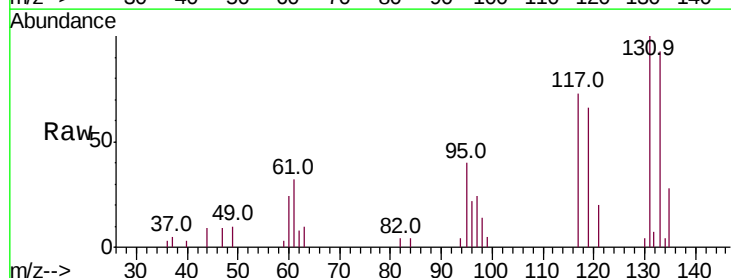
Instrument :
MSVOA_U
ClientSampled :

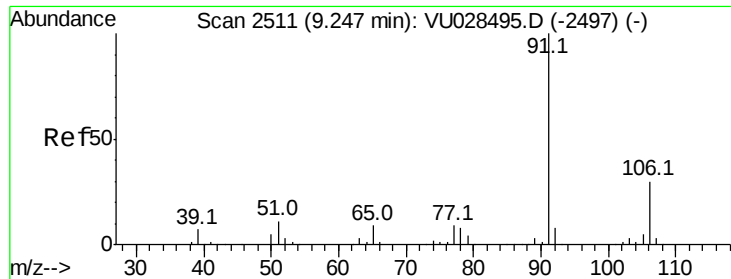
Tot Ion:112 Resp: 18464
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.127 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion:131 Resp: 5909
Ion Ratio Lower Upper
131 100
133 93.4 48.0 144.0
119 72.7 34.6 103.9

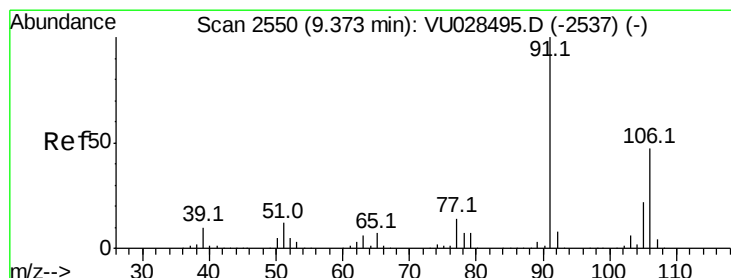
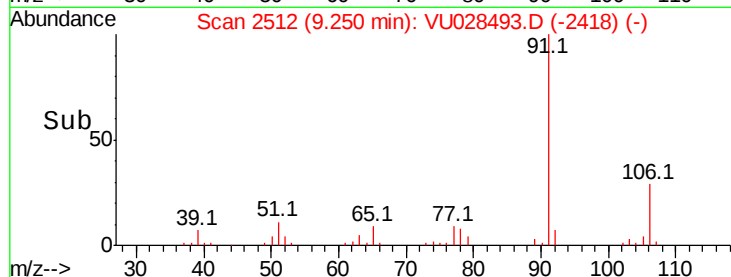
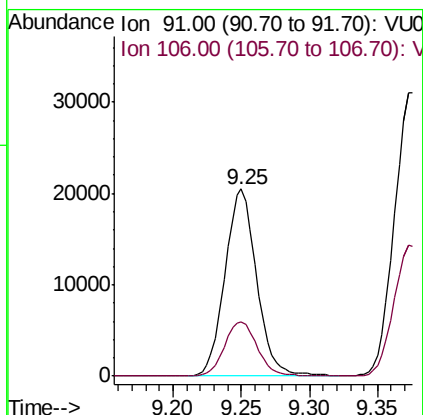
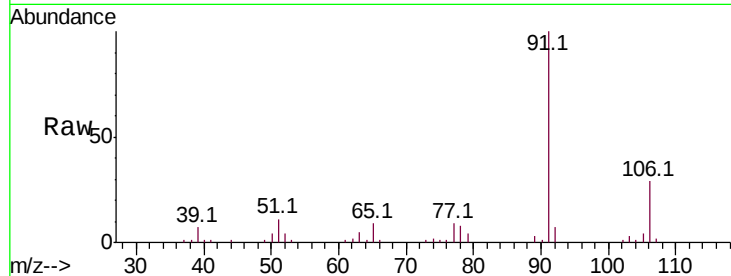




#67
Ethyl Benzene
Concen: 4.994 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

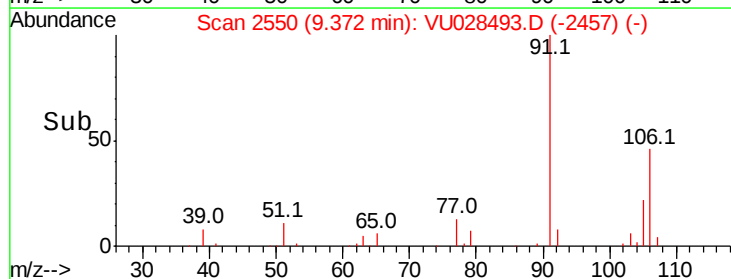
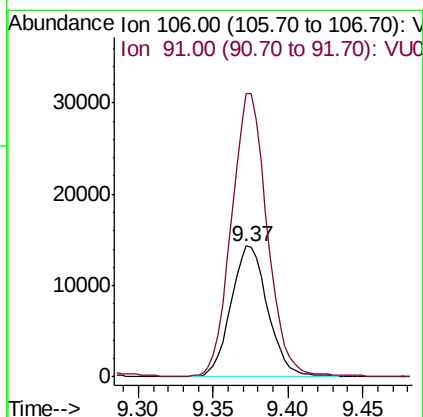
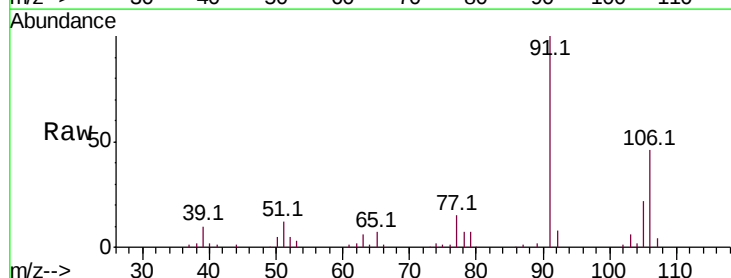
Instrument :
MSVOA_U
ClientSampled :

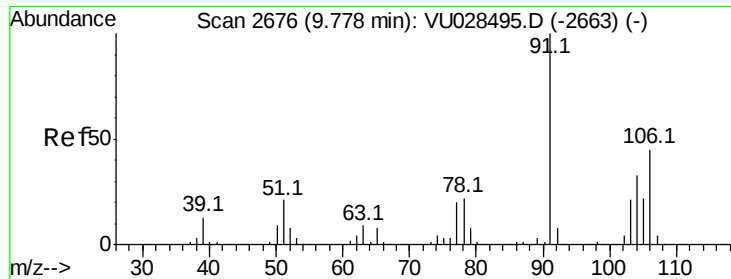
Tot Ion: 91 Resp: 33134
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1



#68
m/p-Xylenes
Concen: 10.157 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion: 106 Resp: 24522
Ion Ratio Lower Upper
106 100
91 210.8 167.4 251.0

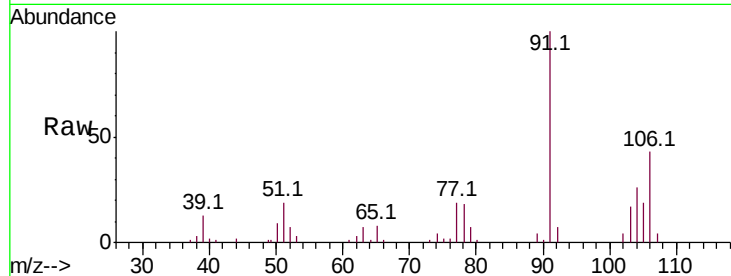




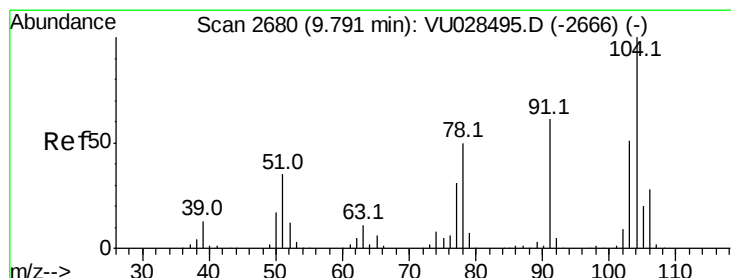
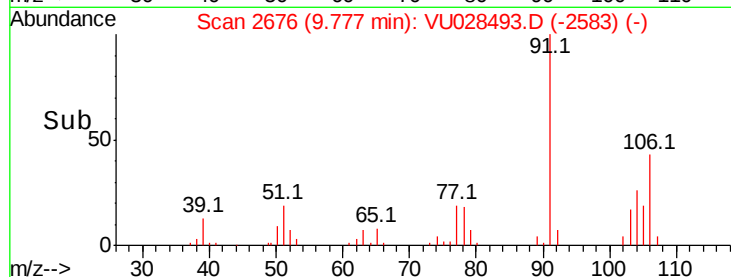
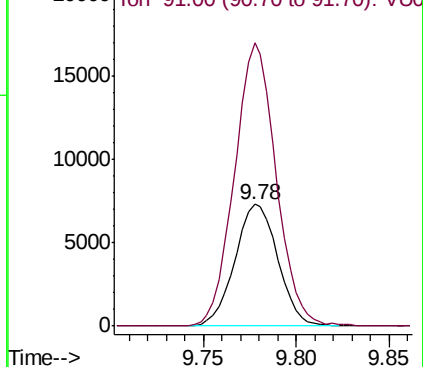
#69
o-Xylene
Concen: 5.008 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 11751
Ion Ratio Lower Upper
106 100
91 225.6 111.3 334.0

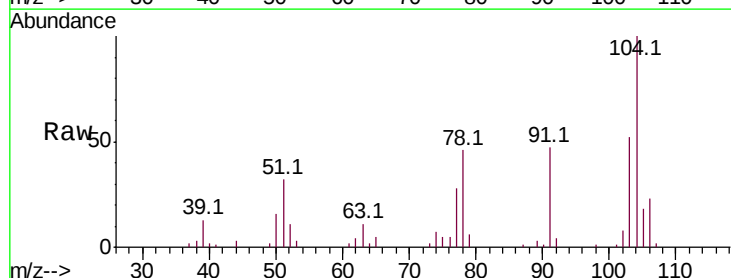


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

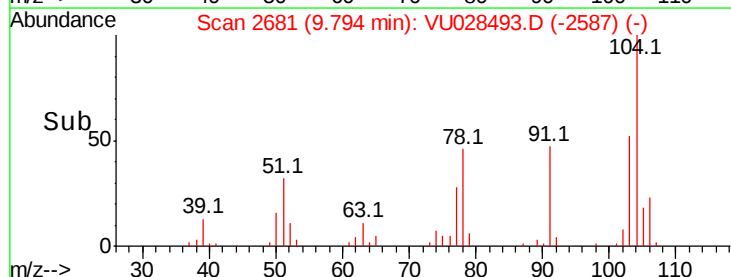
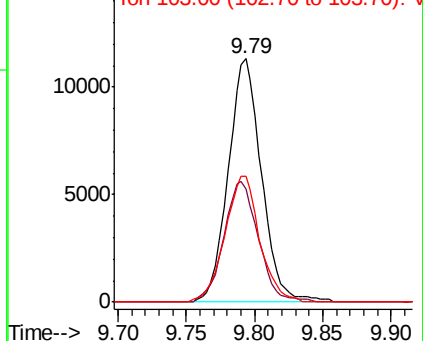


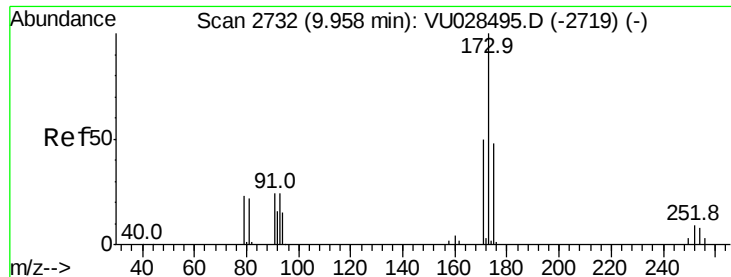
#70
Styrene
Concen: 4.942 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion:104 Resp: 19191
Ion Ratio Lower Upper
104 100
78 51.4 43.0 64.6
103 53.9 44.2 66.4



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





#71

Bromoform

Concen: 4.765 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

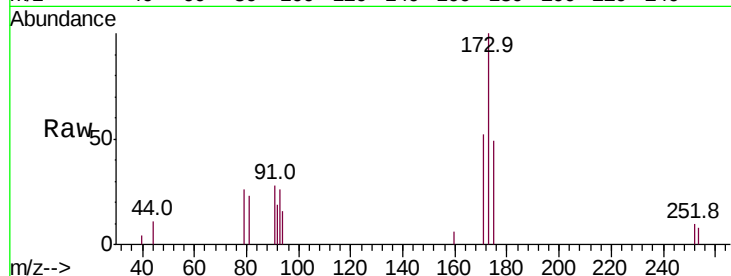
Tot Ion:173 Resp: 4672

Ion Ratio Lower Upper

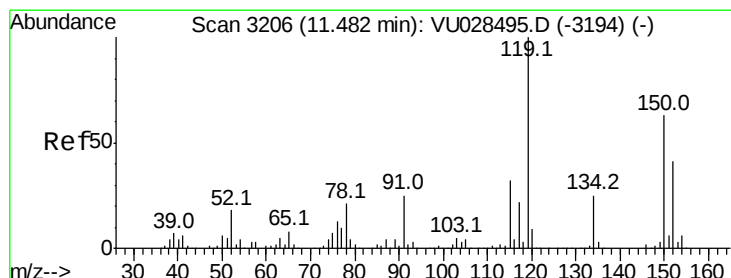
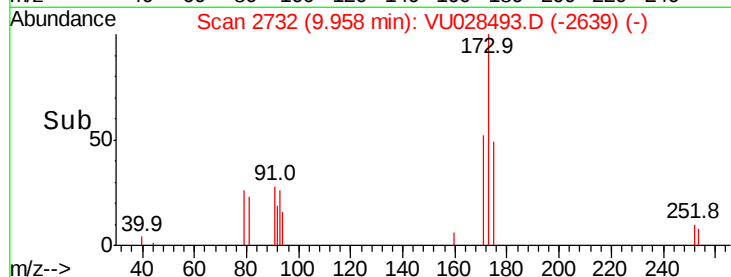
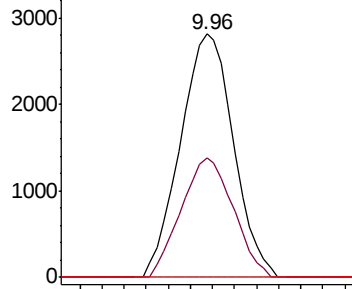
173 100

175 48.3 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

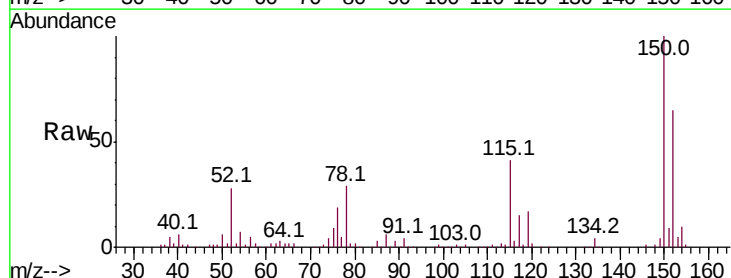
Tgt Ion:152 Resp: 80123

Ion Ratio Lower Upper

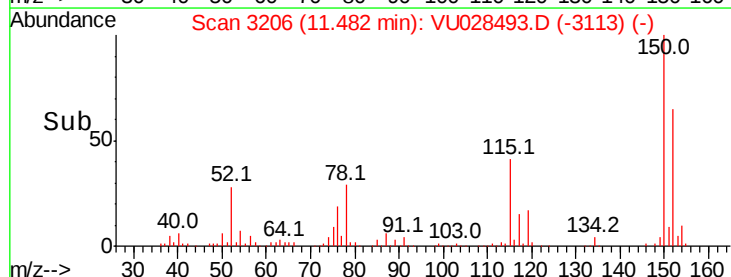
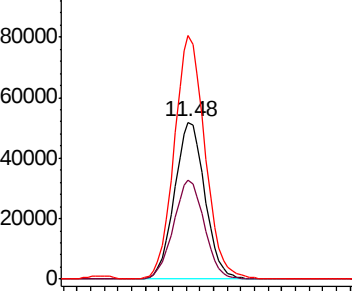
152 100

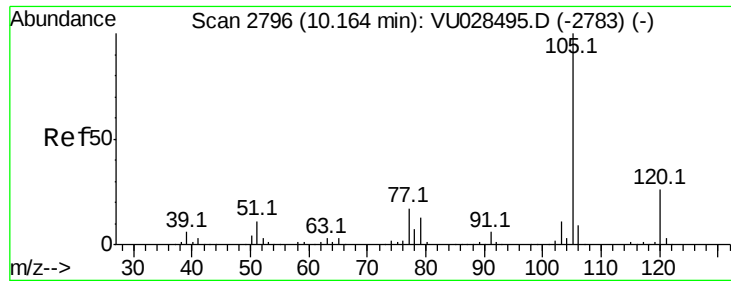
115 64.0 42.7 128.1

150 157.1 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.122 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

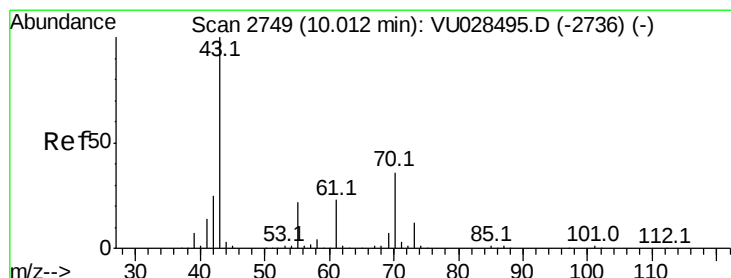
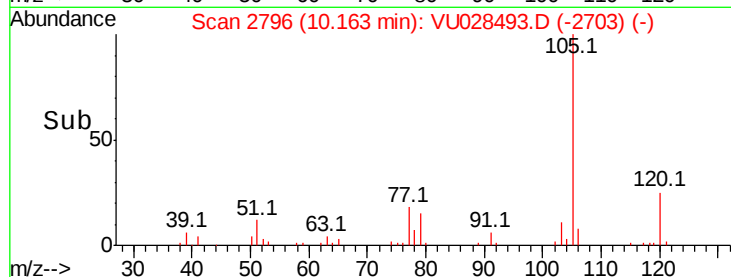
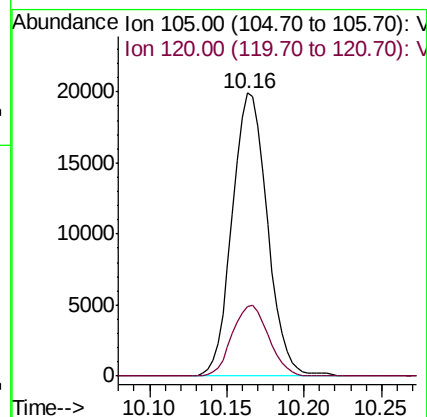
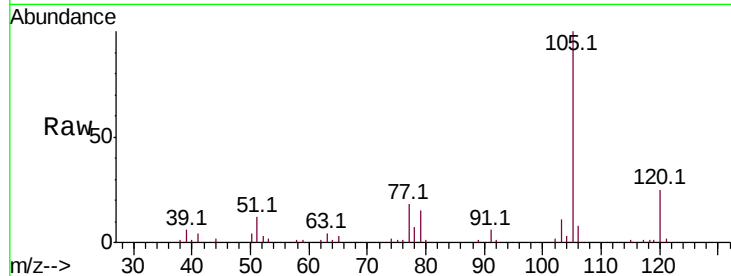
ClientSampleId :

Tot Ion:105 Resp: 31491

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6



#74

N-ethyl acetate

Concen: 4.900 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Tgt Ion: 43 Resp: 17377

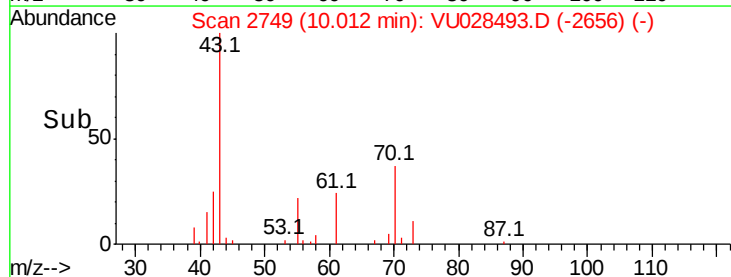
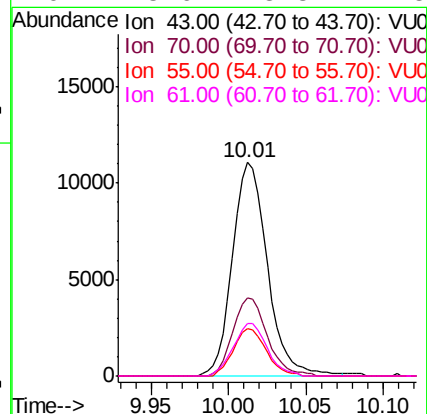
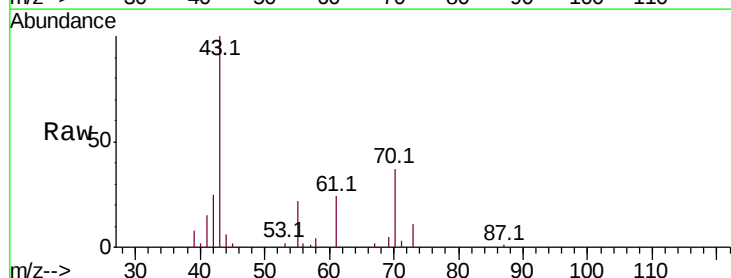
Ion Ratio Lower Upper

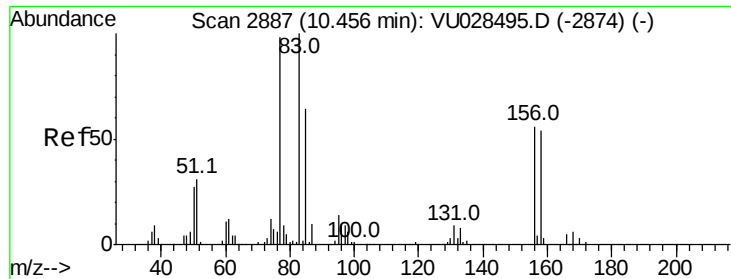
43 100

70 35.9 29.3 43.9

55 20.8 18.0 27.0

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.238 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

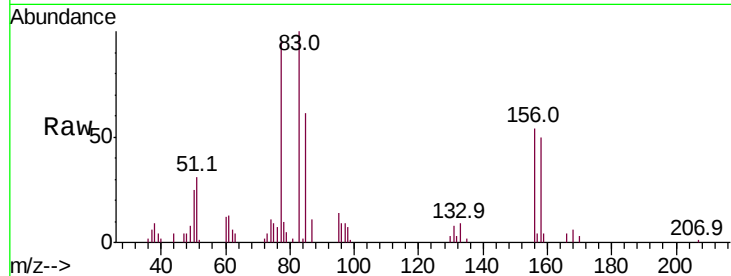
Tot Ion: 83 Resp: 12371

Ion Ratio Lower Upper

83 100

131 7.5 4.2 12.4

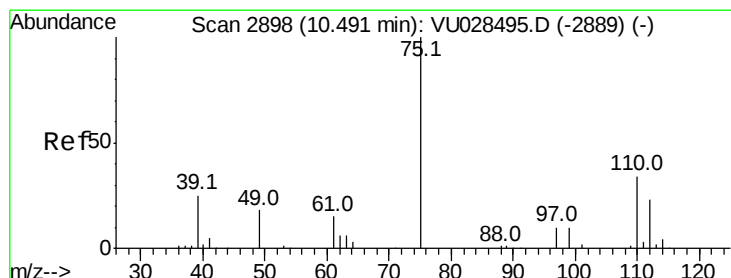
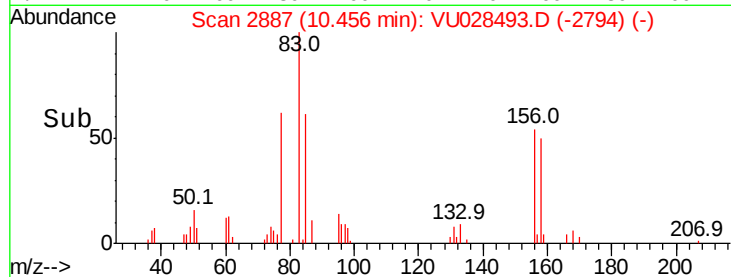
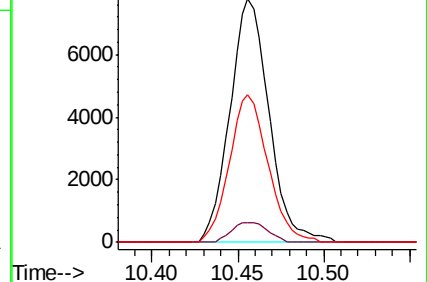
85 59.7 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 6.190 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028493.D

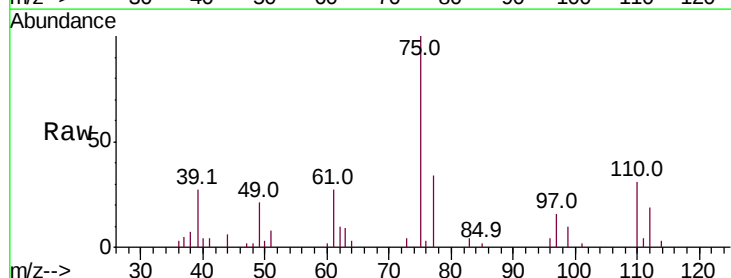
Acq: 06 Dec 2018 11:47

Tgt Ion: 75 Resp: 14308

Ion Ratio Lower Upper

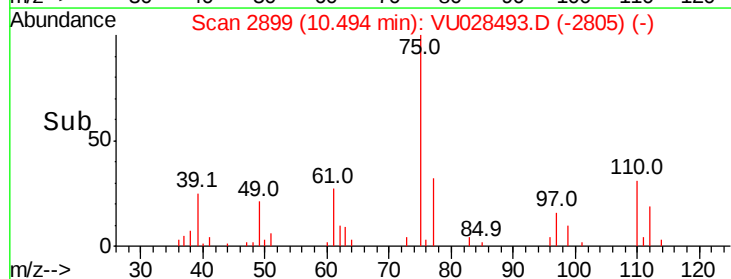
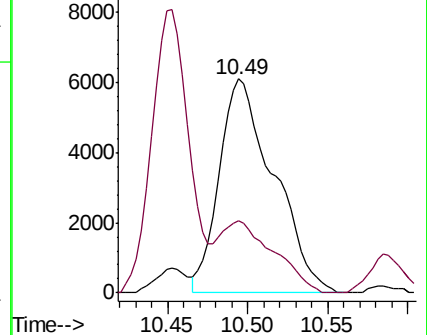
75 100

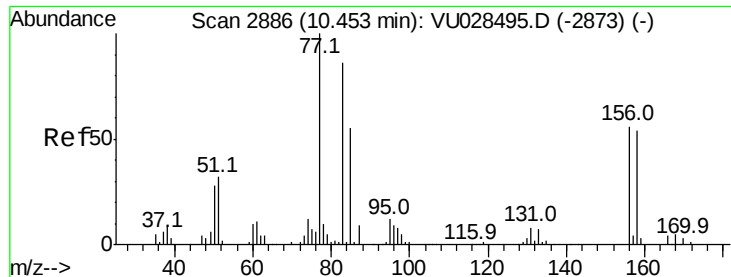
77 32.8 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 5.140 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

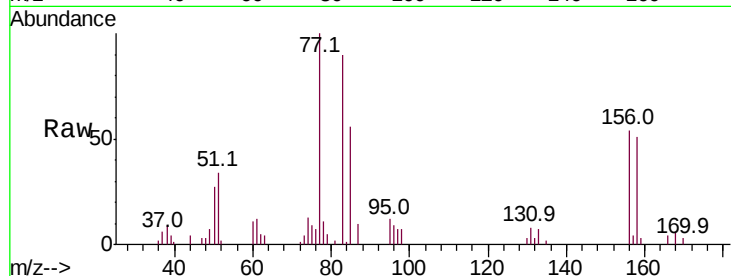
Tot Ion:156 Resp: 7391

Ion Ratio Lower Upper

156 100

77 180.3 92.4 277.2

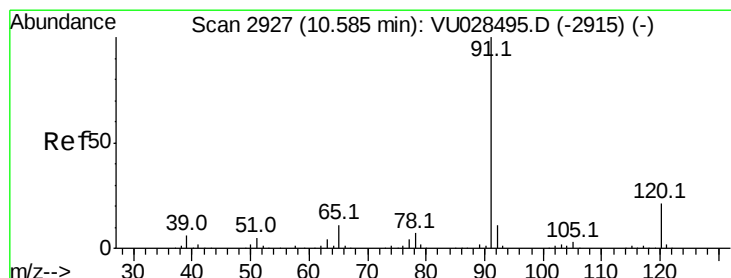
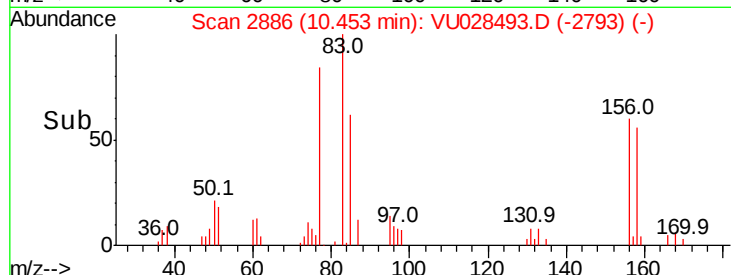
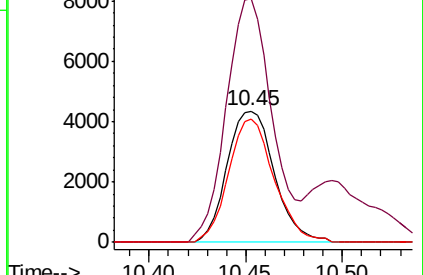
158 90.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.061 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028493.D

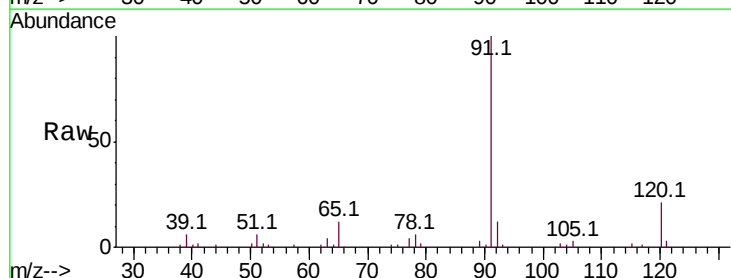
Acq: 06 Dec 2018 11:47

Tgt Ion: 91 Resp: 38664

Ion Ratio Lower Upper

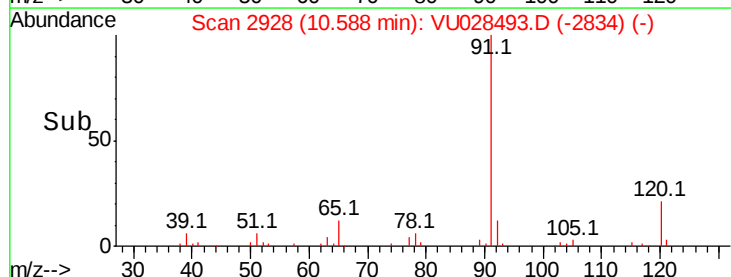
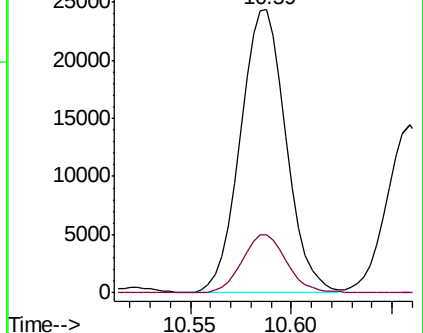
91 100

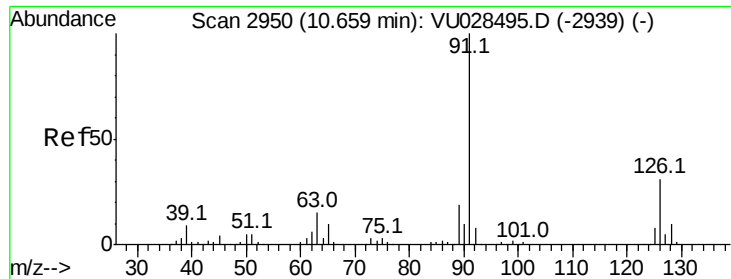
120 20.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

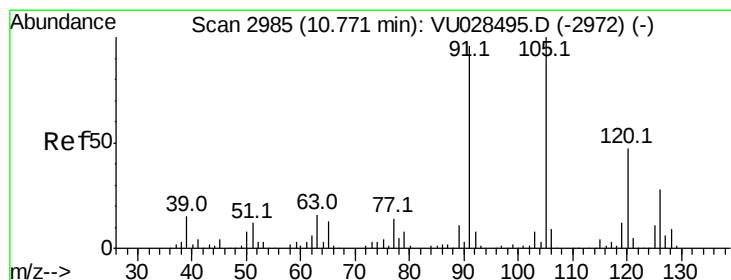
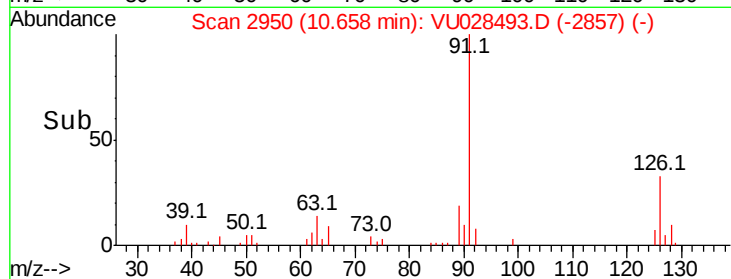
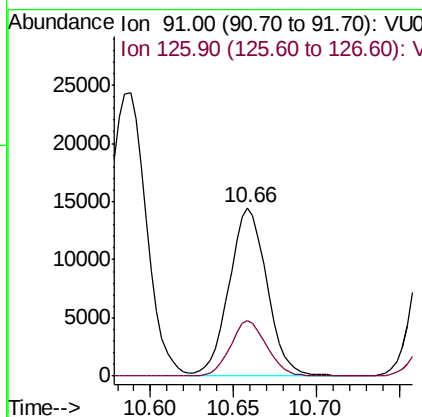
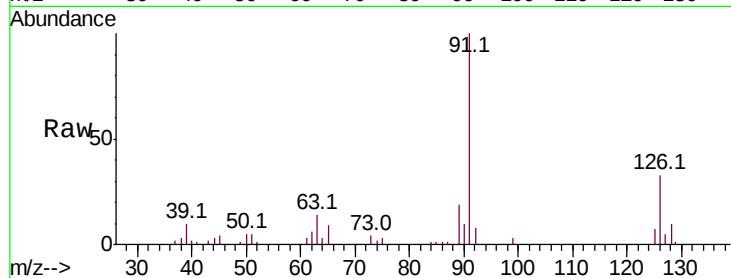




#79
 2-Chlorotoluene
 Concen: 5.232 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

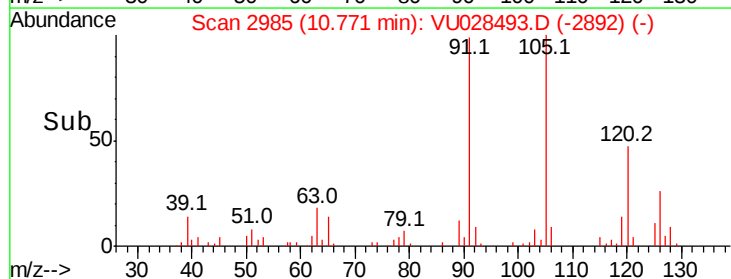
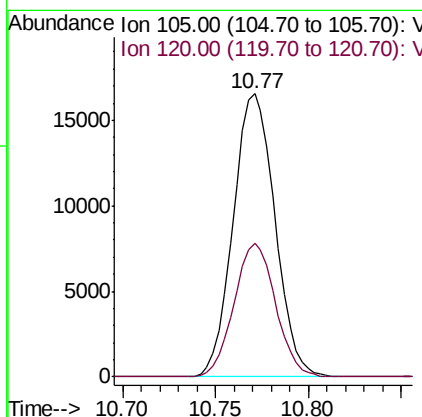
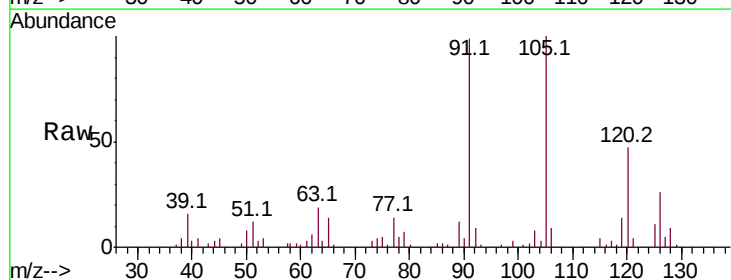
Instrument :
 MSVOA_U
 ClientSampled :

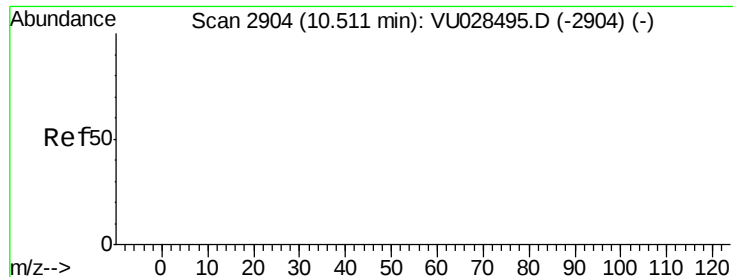
Tot Ion: 91 Resp: 23025
 Ion Ratio Lower Upper
 91 100
 126 31.3 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 5.081 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion:105 Resp: 25859
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 12.516 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

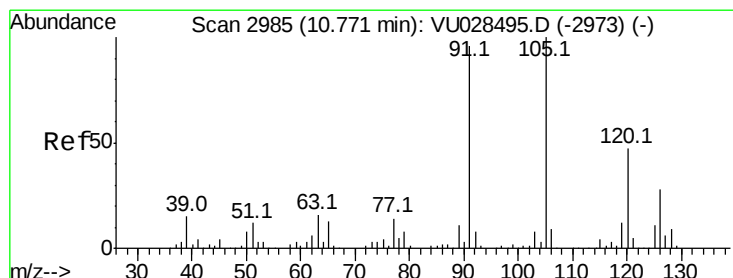
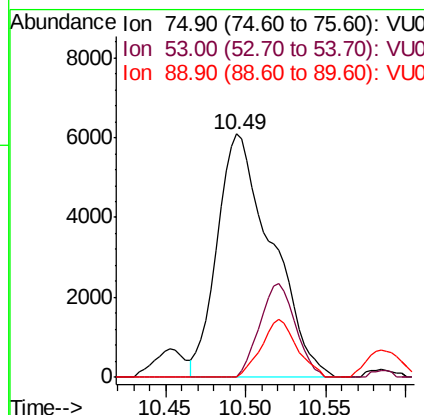
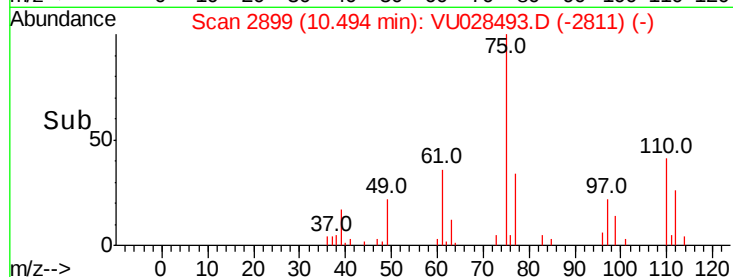
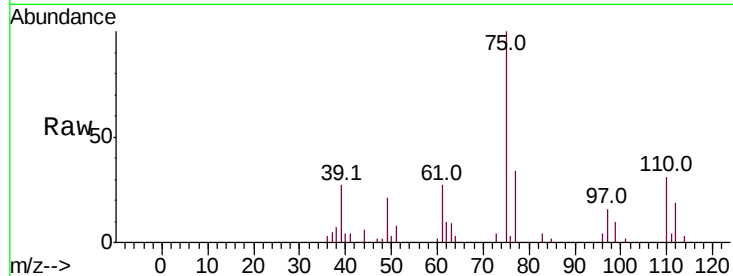
Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 14308

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 5.053 ug/l

RT: 10.77 min Scan# 2985

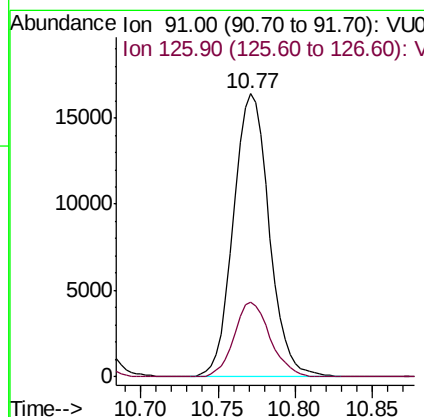
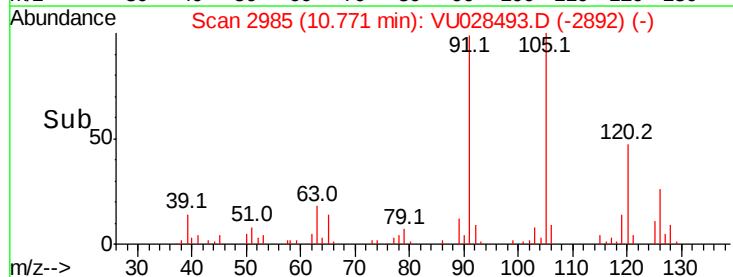
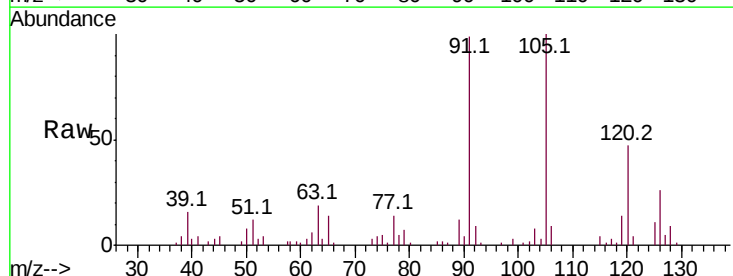
Delta R.T. -0.00 min

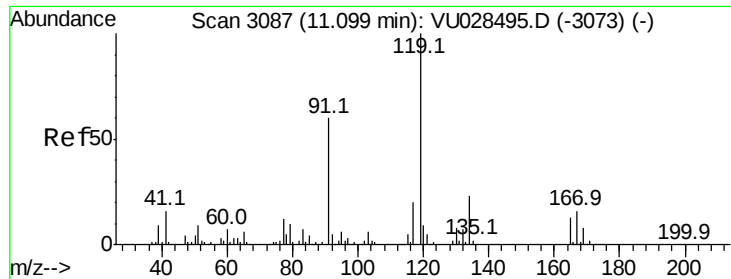
Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Tgt Ion: 91 Resp: 26349

Ion	Ratio	Lower	Upper
91	100		
126	26.4	14.1	42.3





#83

tert-Butylbenzene

Concen: 5.097 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

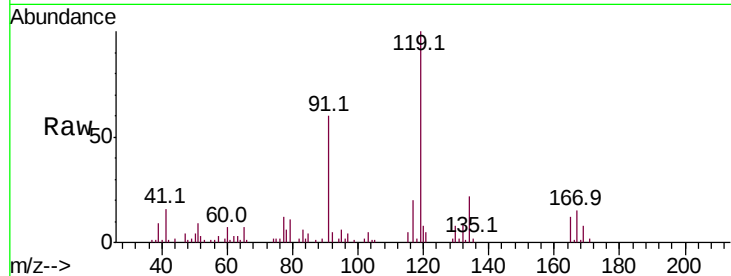
Tot Ion:119 Resp: 25001

Ion Ratio Lower Upper

119 100

91 60.4 30.3 91.0

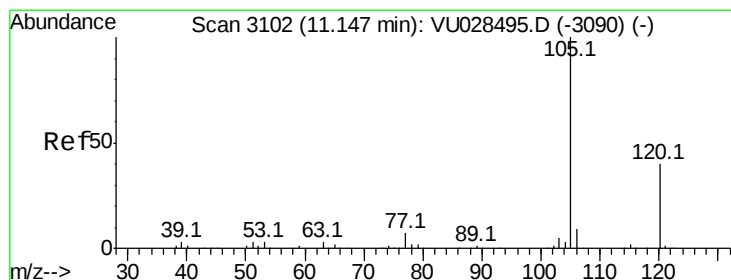
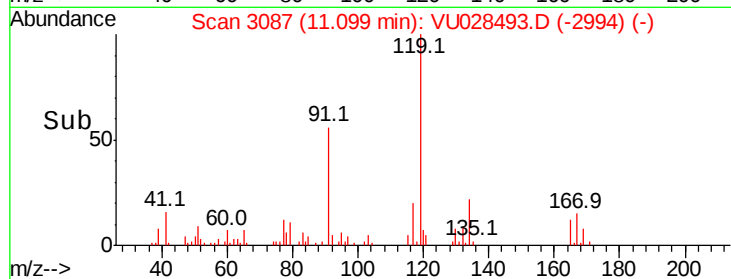
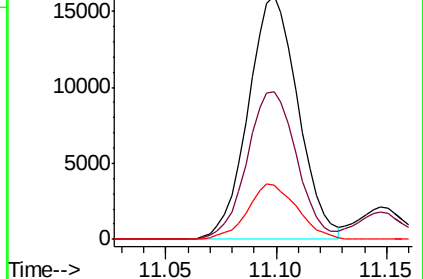
134 22.5 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.132 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028493.D

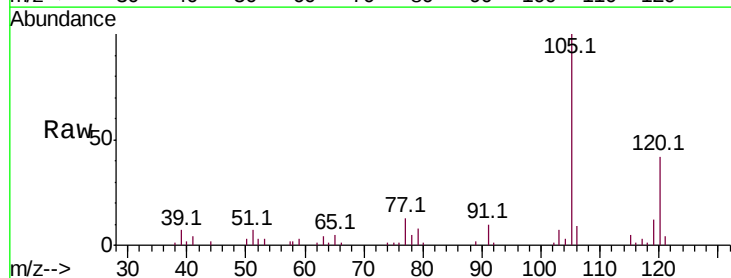
Acq: 06 Dec 2018 11:47

Tgt Ion:105 Resp: 26919

Ion Ratio Lower Upper

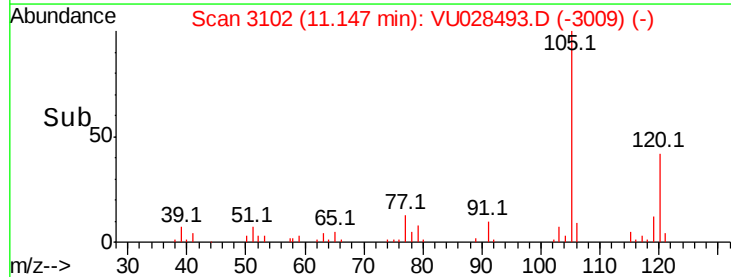
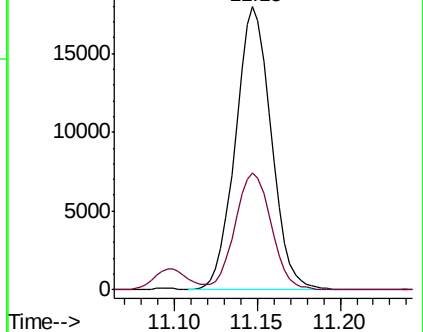
105 100

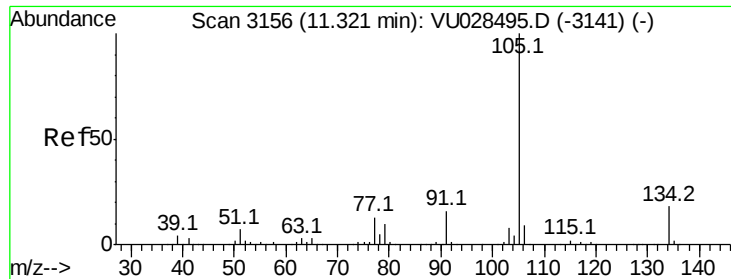
120 42.0 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

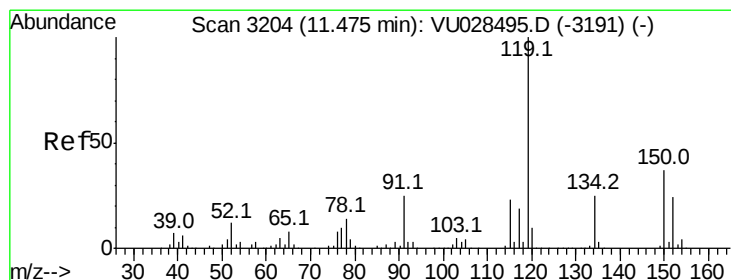
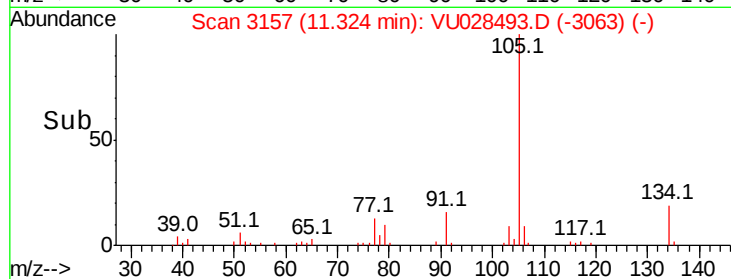
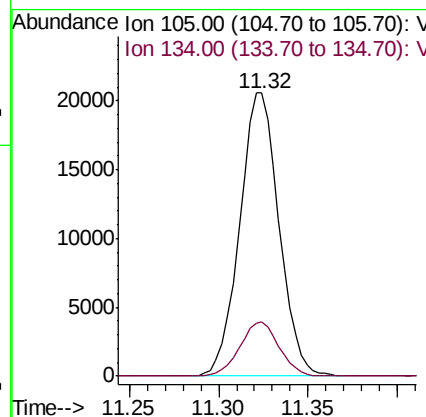
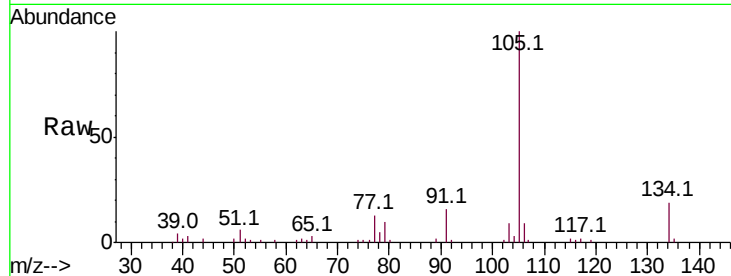




#85
 sec-Butylbenzene
 Concen: 5.013 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

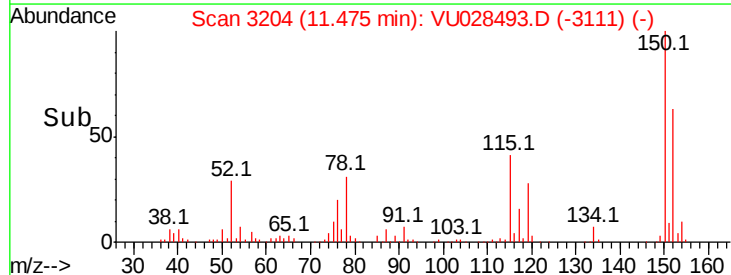
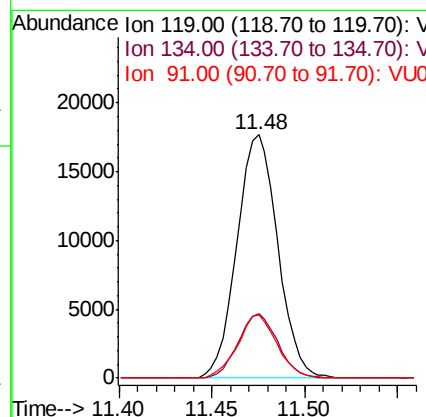
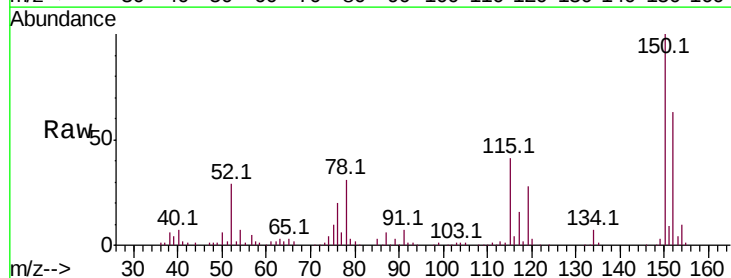
Instrument :
 MSVOA_U
 ClientSampleId :

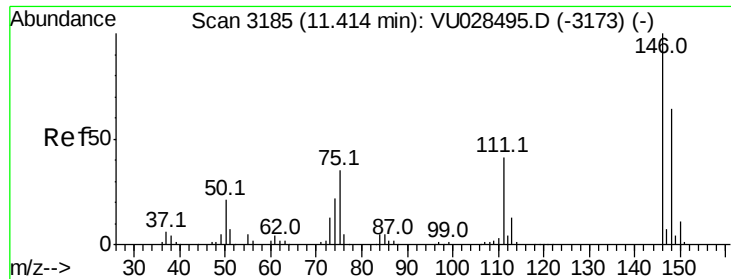
Tot Ion:105 Resp: 31591
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 5.034 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion:119 Resp: 26946
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 25.0 12.6 37.6

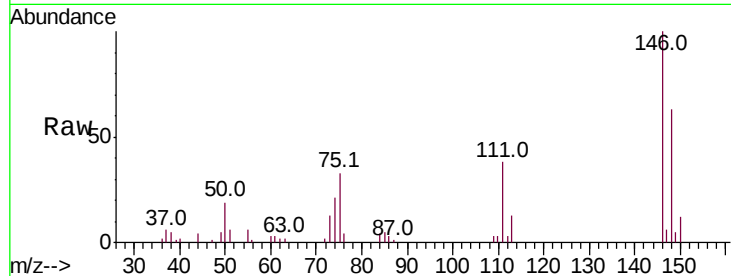




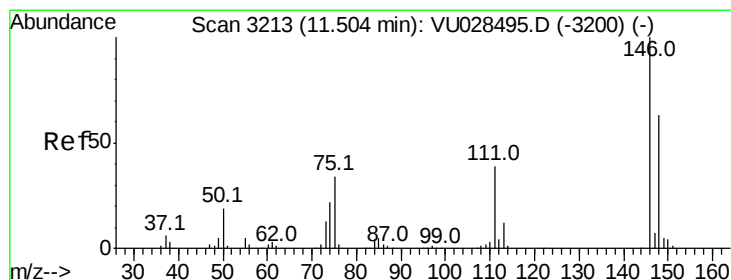
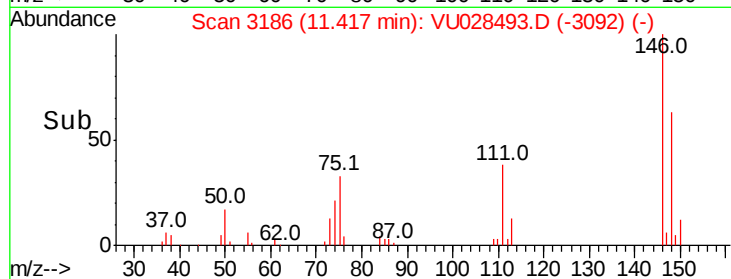
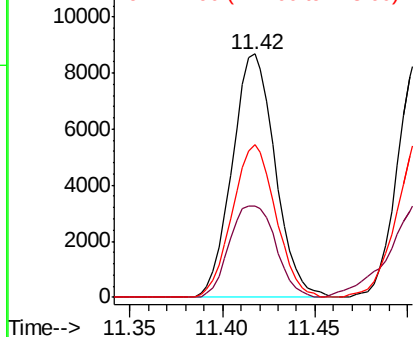
#87
 1,3-Dichlorobenzene
 Concen: 5.137 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 13948
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.7 62.1
 148 63.4 31.9 95.7

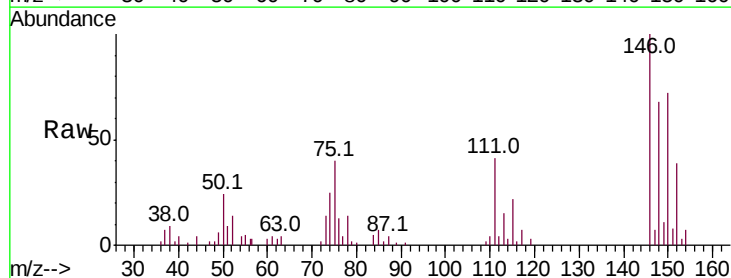


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

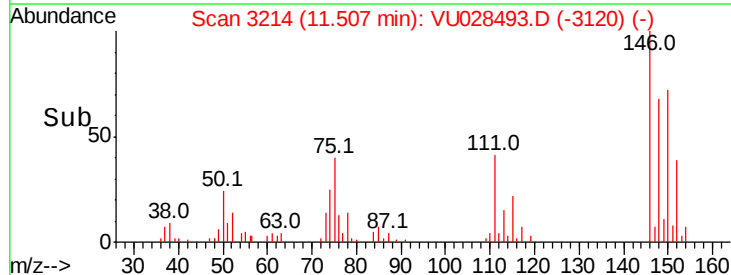
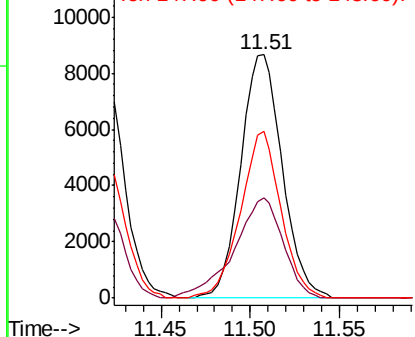


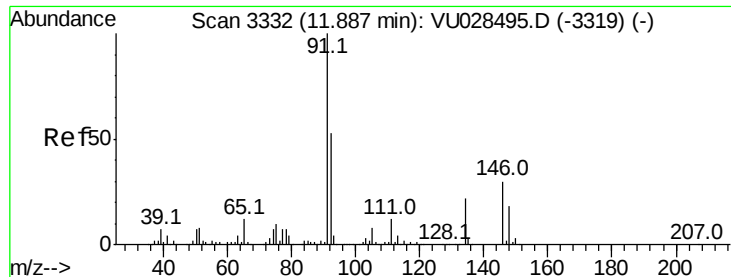
#88
 1,4-Dichlorobenzene
 Concen: 5.021 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion:146 Resp: 14105
 Ion Ratio Lower Upper
 146 100
 111 48.4 20.2 60.5
 148 66.7 31.6 95.0



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





#89

n-Butylbenzene

Concen: 4.762 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028493.D

Acq: 06 Dec 2018 11:47

Instrument :

MSVOA_U

ClientSampled :

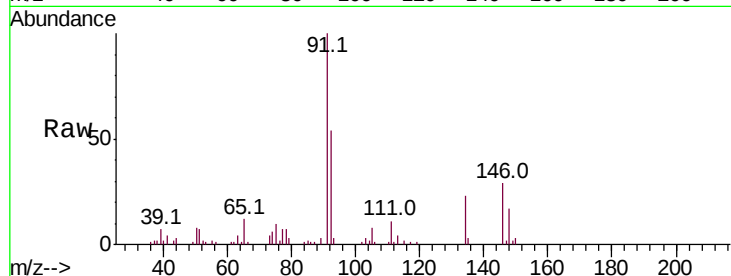
Tot Ion: 91 Resp: 25799

Ion Ratio Lower Upper

91 100

92 53.6 26.3 78.9

134 22.7 11.3 33.8

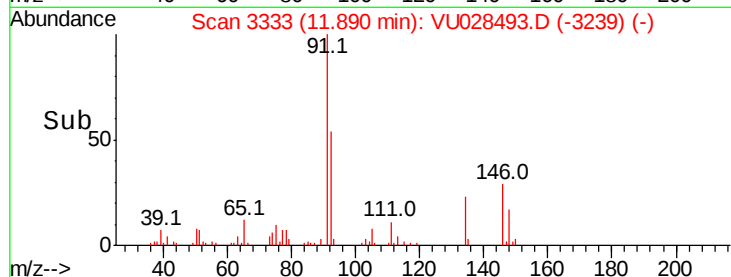


Abundance Ion 91.00 (90.70 to 91.70): VU028493.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028493.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028493.D (-3319) (-)

Time--> 11.80 11.85 11.90 11.95

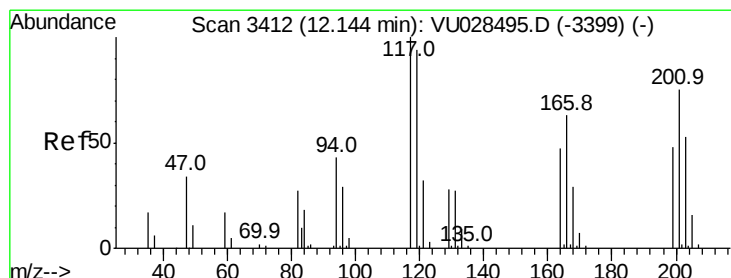


Abundance Ion 91.00 (90.70 to 91.70): VU028493.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028493.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028493.D (-3319) (-)

Time--> 11.80 11.85 11.90 11.95



#90

Hexachloroethane

Concen: 5.039 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028493.D

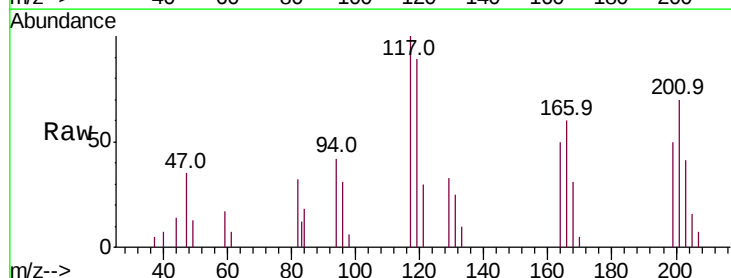
Acq: 06 Dec 2018 11:47

Tgt Ion: 117 Resp: 4077

Ion Ratio Lower Upper

117 100

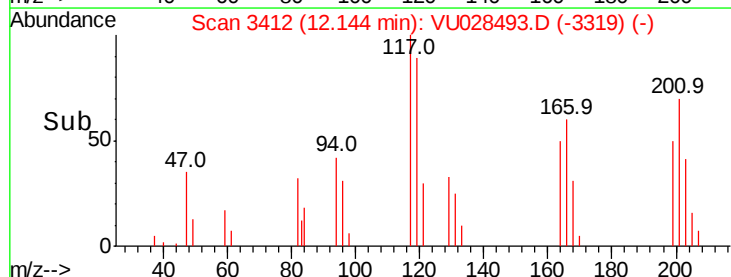
201 70.9 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028493.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028493.D (-3319) (-)

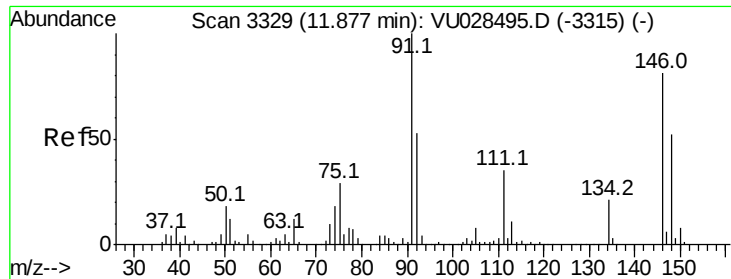
Time--> 12.10 12.15



Abundance Ion 116.80 (116.50 to 117.50): VU028493.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028493.D (-3319) (-)

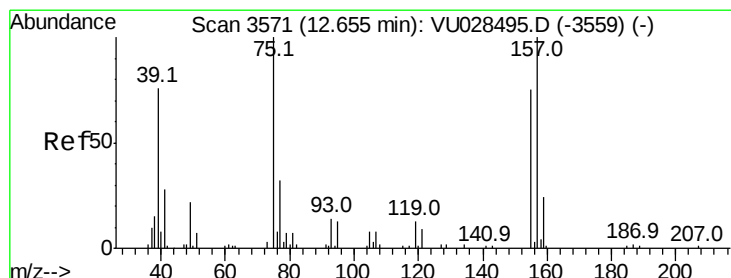
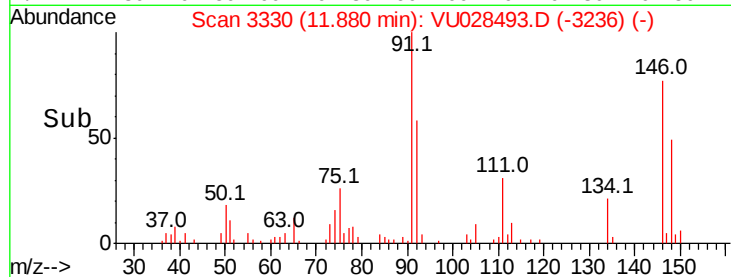
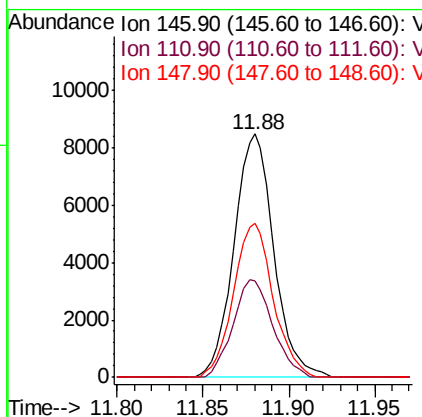
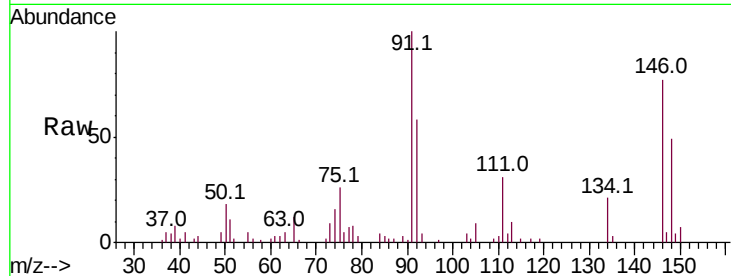
Time--> 12.10 12.15



#91
 1,2-Dichlorobenzene
 Concen: 5.034 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

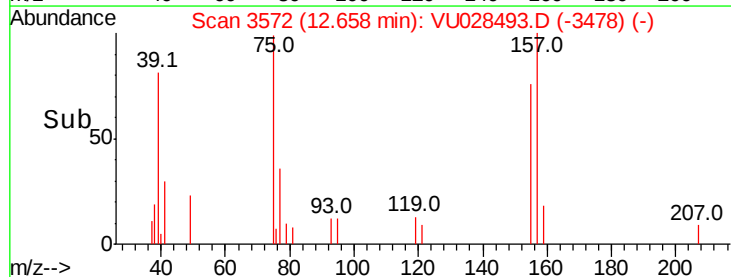
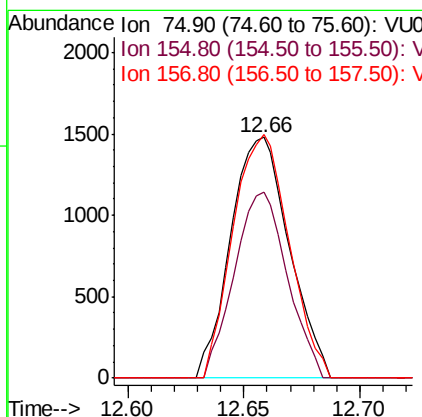
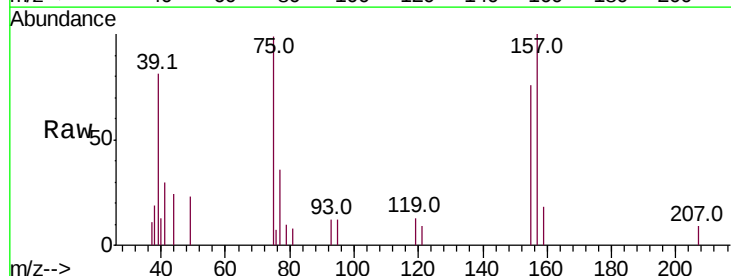
Instrument :
 MSVOA_U
 ClientSampleId :

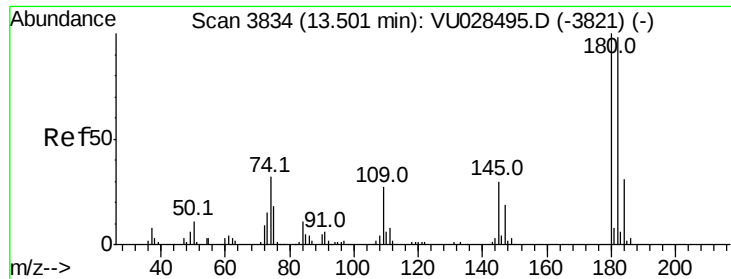
Tot Ion:146 Resp: 13673
 Ion Ratio Lower Upper
 146 100
 111 40.0 21.1 63.4
 148 63.1 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.077 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU028493.D
 Acq: 06 Dec 2018 11:47

Tgt Ion: 75 Resp: 2596
 Ion Ratio Lower Upper
 75 100
 155 69.9 38.1 114.5
 157 96.8 48.7 146.1

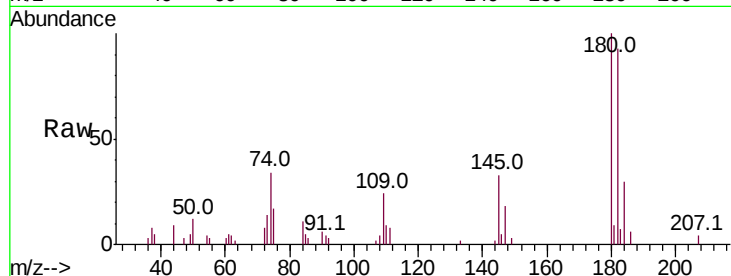




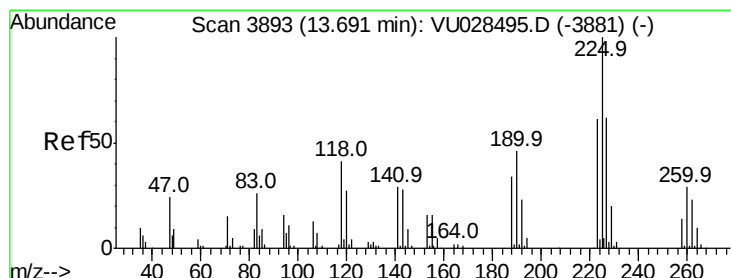
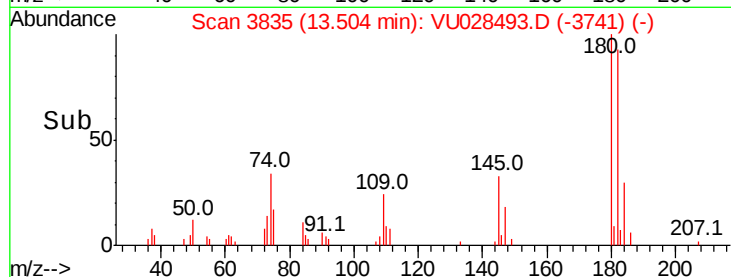
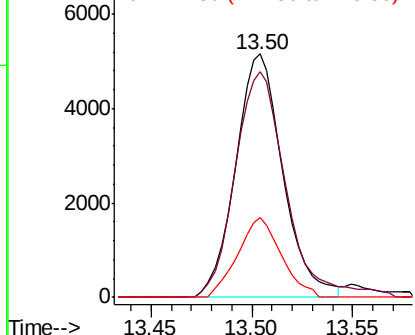
#93
1,2,4-Trichlorobenzene
Concen: 4.341 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:180 Resp: 8453
Ion Ratio Lower Upper
180 100
182 100.0 47.9 143.8
145 30.1 15.0 45.1

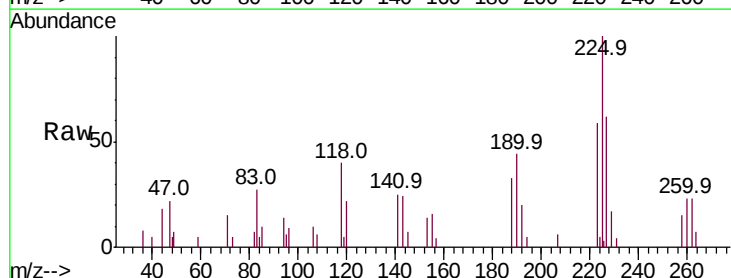


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

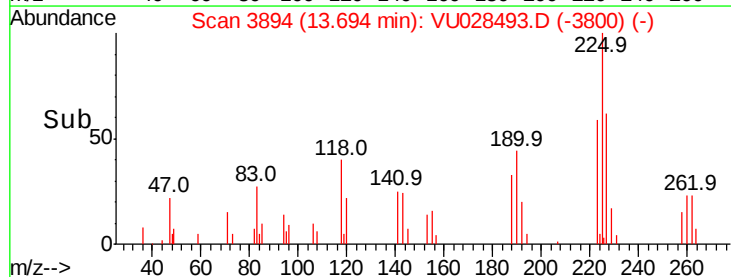
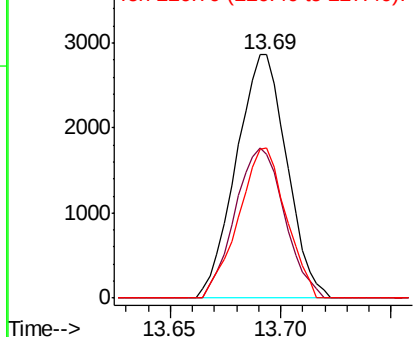


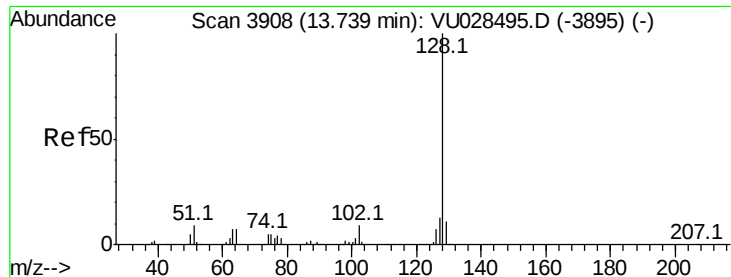
#94
Hexachlorobutadiene
Concen: 5.113 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. 0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion:225 Resp: 4549
Ion Ratio Lower Upper
225 100
223 60.3 30.4 91.2
227 58.0 30.7 92.1



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

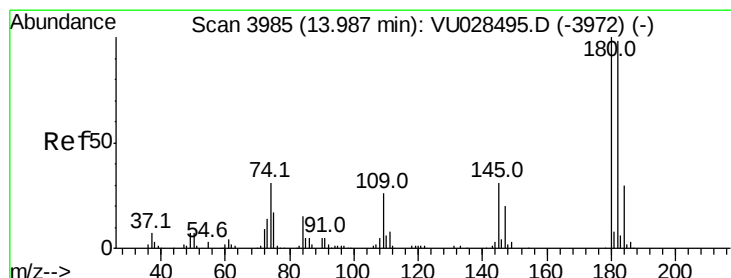
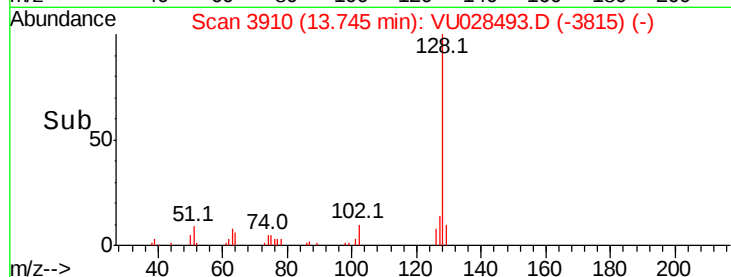
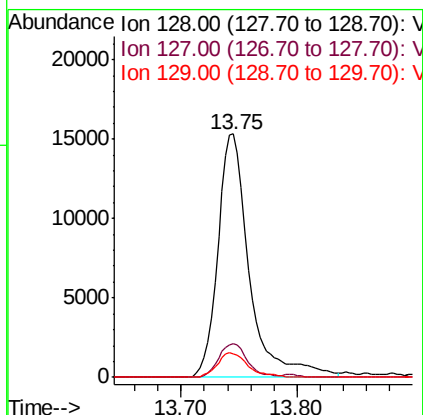
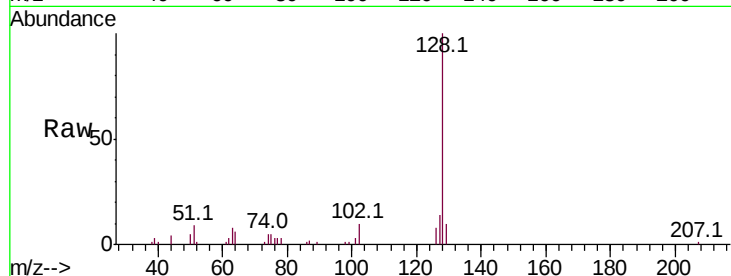




#95
Naphthalene
Concen: 4.433 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.01 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 28887
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 9.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.533 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028493.D
Acq: 06 Dec 2018 11:47

Tgt Ion:180 Resp: 8879
Ion Ratio Lower Upper
180 100
182 96.3 48.2 144.6
145 30.8 15.8 47.3

