

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028492.D
 Acq On : 06 Dec 2018 11:22
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Dec 07 00:12:41 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	106724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	184734	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	1998	1.23	ug/l	0.00
Spiked Amount			Recovery	=	2.46%	
35) Dibromofluoromethane	4.89	113	1310	1.13	ug/l	0.00
Spiked Amount			Recovery	=	2.26%	
50) Toluene-d8	7.57	98	4831	1.05	ug/l	0.00
Spiked Amount			Recovery	=	2.10%	
62) 4-Bromofluorobenzene	10.31	95	2420	1.41	ug/l	0.00
Spiked Amount			Recovery	=	2.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	1354	0.947	ug/l	98
3) Chloromethane	1.33	50	2844	1.081	ug/l	100
4) Vinyl Chloride	1.40	62	1884	0.993	ug/l	98
5) Bromomethane	1.63	94	855	1.118	ug/l	93
6) Chloroethane	1.70	64	995	0.926	ug/l	92
7) Trichlorofluoromethane	1.89	101	2050	1.027	ug/l	91
8) Diethyl Ether	2.10	74	1054	1.128	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1196	1.001	ug/l	97
10) Methyl Iodide	2.41	142	826	0.881	ug/l #	83
11) Tert butyl alcohol	2.83	59	1986	5.473	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	1265	1.065	ug/l #	77
13) Acrolein	2.20	56	1542	5.331	ug/l	100
14) Allyl chloride	2.59	41	3188	1.134	ug/l #	92
15) Acrylonitrile	2.95	53	4918	4.882	ug/l	93
16) Acetone	2.32	43	6547	6.160	ug/l	93
17) Carbon Disulfide	2.48	76	4879	1.140	ug/l	99
18) Methyl Acetate	2.62	43	2676	0.971	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	4403	0.977	ug/l	94
20) Methylene Chloride	2.70	84	1968	1.256	ug/l	85
21) trans-1,2-Dichloroethene	2.98	96	1326	0.991	ug/l	92
22) Diisopropyl ether	3.57	45	5325	0.974	ug/l #	78
23) Vinyl Acetate	3.53	43	21321	4.729	ug/l	96
24) 1,1-Dichloroethane	3.45	63	3119	1.090	ug/l #	85
25) 2-Butanone	4.28	43	6931	4.772	ug/l	96
26) 2,2-Dichloropropane	4.23	77	2375	1.048	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	1579	1.043	ug/l	94
28) Bromochloromethane	4.55	49	1242	0.955	ug/l #	94
29) Tetrahydrofuran	4.65	42	4446	4.766	ug/l #	85
30) Chloroform	4.67	83	2349	0.942	ug/l	96
31) Cyclohexane	4.99	56	5540	1.650	ug/l #	36
32) 1,1,1-Trichloroethane	4.92	97	2093	1.010	ug/l #	48
36) 1,1-Dichloropropene	5.13	75	2194	1.085	ug/l	91
37) Ethyl Acetate	4.39	43	2785	1.066	ug/l #	76
38) Carbon Tetrachloride	5.13	117	1679	1.030	ug/l	83

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	2574	1.044	ug/l	84
40) Benzene	5.40	78	5905	0.992	ug/l	96
41) Methacrylonitrile	4.56	41	1191	0.832	ug/l #	29
42) 1,2-Dichloroethane	5.40	62	2096	1.006	ug/l	81
43) Isopropyl Acetate	5.56	43	3865	0.935	ug/l #	93
44) Trichloroethene	6.19	130	1338	1.011	ug/l	96
45) 1,2-Dichloropropane	6.44	63	1510	0.902	ug/l #	89
46) Dibromomethane	6.57	93	978	0.985	ug/l	97
47) Bromodichloromethane	6.76	83	1953	1.010	ug/l #	97
48) Methyl methacrylate	6.63	41	1835	0.893	ug/l	97
49) 1,4-Dioxane	6.62	88	676	20.828	ug/l #	80
51) 4-Methyl-2-Pentanone	7.46	43	12187	4.675	ug/l	97
52) Toluene	7.64	92	3396	0.969	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	2156	0.936	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	2451	0.981	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	1292	0.933	ug/l	95
56) Ethyl methacrylate	8.03	69	2159	0.910	ug/l	98
57) 1,3-Dichloropropane	8.24	76	2650	1.031	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.13	63	5362	4.414	ug/l	96
59) 2-Hexanone	8.37	43	10228	4.950	ug/l	95
60) Dibromochloromethane	8.48	129	1408	1.038	ug/l	73
61) 1,2-Dibromoethane	8.59	107	1269	0.874	ug/l	88
64) Tetrachloroethene	8.23	164	1267	1.124	ug/l #	87
65) Chlorobenzene	9.12	112	3664	1.018	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	986	0.857	ug/l #	53
67) Ethyl Benzene	9.25	91	6647	1.004	ug/l	96
68) m/p-Xylenes	9.38	106	4460	1.852	ug/l	83
69) o-Xylene	9.78	106	2247	0.960	ug/l	100
70) Styrene	9.79	104	3659	0.945	ug/l	95
71) Bromoform	9.95	173	854	0.873	ug/l #	88
73) Isopropylbenzene	10.17	105	6346	1.111	ug/l	99
74) N-amyl acetate	10.02	43	3613	1.096	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	2242	1.022	ug/l	93
76) 1,2,3-Trichloropropane	10.22	75	649	0.302	ug/l	68
77) Bromobenzene	10.45	156	1422	1.064	ug/l	86
78) n-propylbenzene	10.59	91	7751	1.092	ug/l	100
79) 2-Chlorotoluene	10.66	91	4322	1.057	ug/l	93
80) 1,3,5-Trimethylbenzene	10.77	105	4872	1.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	3170	2.984	ug/l #	100
82) 4-Chlorotoluene	10.77	91	5433	1.121	ug/l	98
83) tert-Butylbenzene	11.10	119	4831	1.060	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	5062	1.039	ug/l	95
85) sec-Butylbenzene	11.32	105	6220	1.062	ug/l	92
86) p-Isopropyltoluene	11.48	119	5369	1.079	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	2850	1.130	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	3209	1.229	ug/l	89
89) n-Butylbenzene	11.89	91	5444	1.081	ug/l	98
90) Hexachloroethane	12.14	117	726	0.966	ug/l	90
91) 1,2-Dichlorobenzene	11.88	146	3011	1.193	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.66	75	442	0.930	ug/l	86

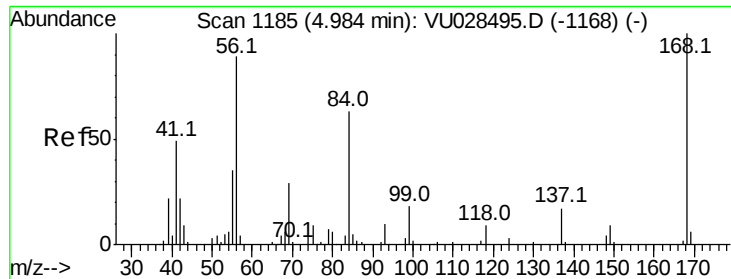
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	2455	1.357	ug/l	83
94) Hexachlorobutadiene	13.69	225	1003	1.213	ug/l	99
95) Naphthalene	13.75	128	7478	1.235	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.99	180	2397	1.317	ug/l	87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

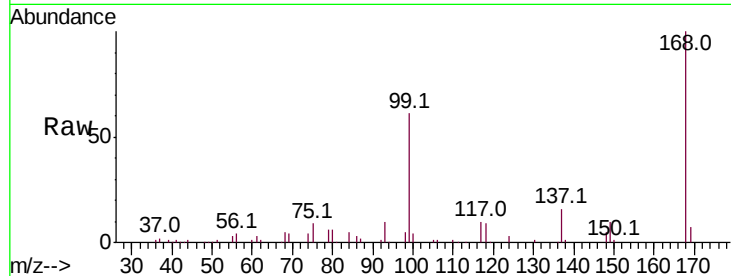
VSTDIC001

Tot Ion:168 Resp: 106724

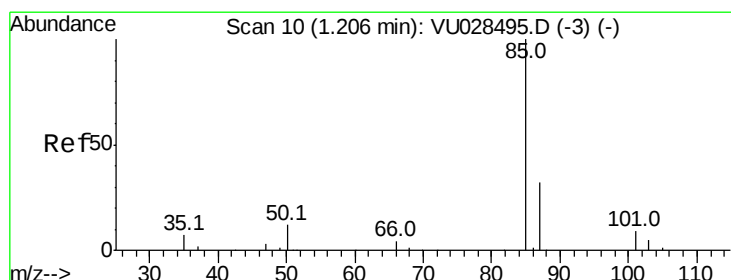
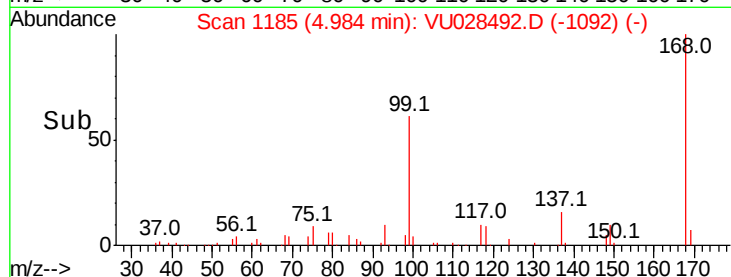
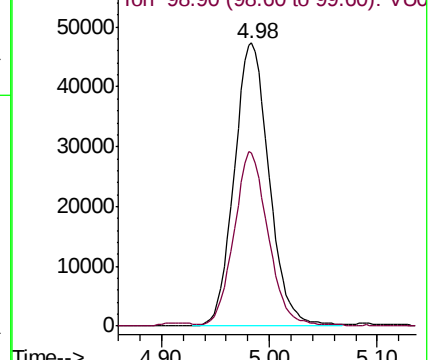
Ion Ratio Lower Upper

168 100

99 60.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028492.D (-1092) (-)



#2

Dichlorodifluoromethane

Concen: 0.947 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028492.D

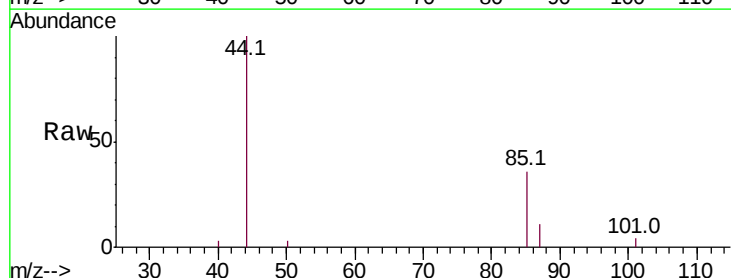
Acq: 06 Dec 2018 11:22

Tgt Ion: 85 Resp: 1354

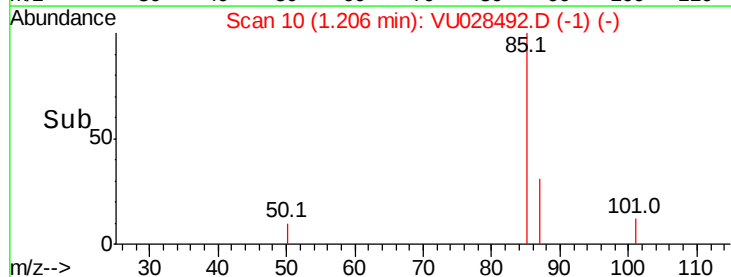
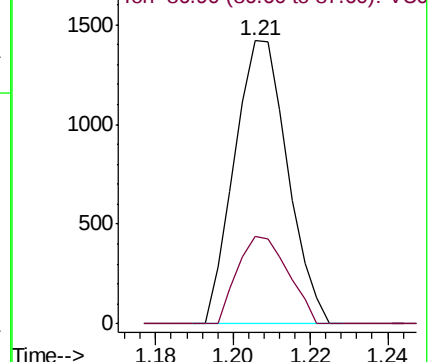
Ion Ratio Lower Upper

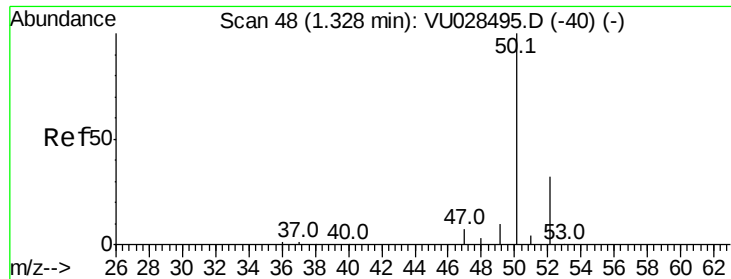
85 100

87 30.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028492.D (-1) (-)





#3

Chloromethane

Concen: 1.081 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

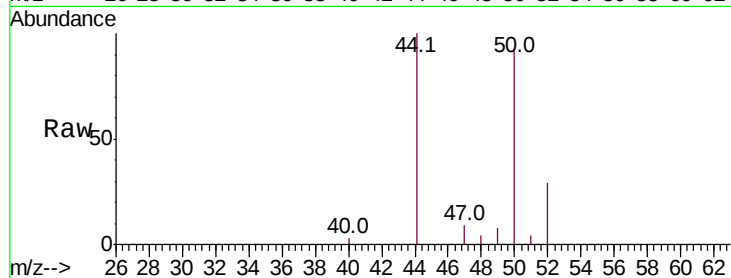
VSTDIC001

Tot Ion: 50 Resp: 2844

Ion Ratio Lower Upper

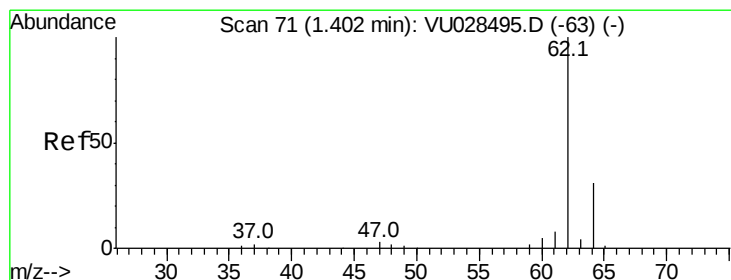
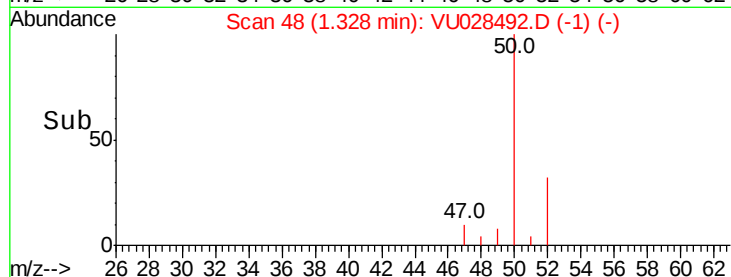
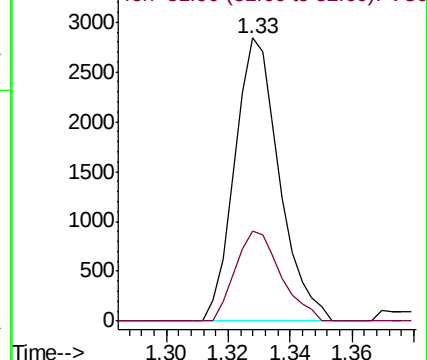
50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 0.993 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028492.D

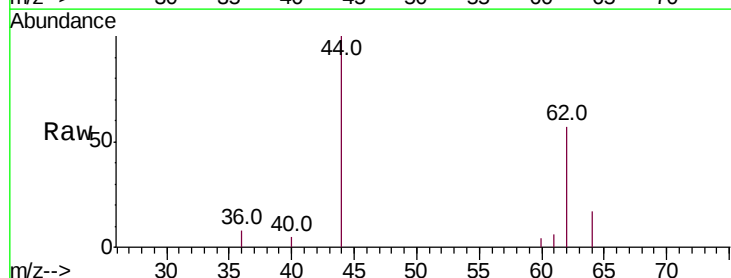
Acq: 06 Dec 2018 11:22

Tgt Ion: 62 Resp: 1884

Ion Ratio Lower Upper

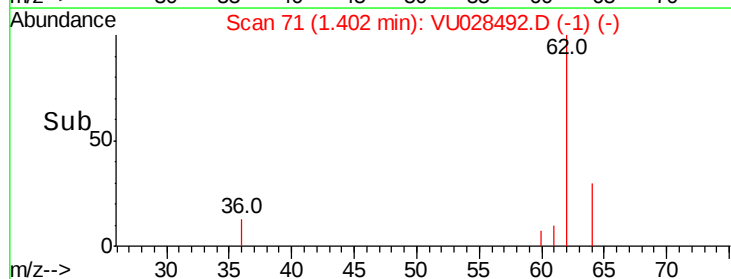
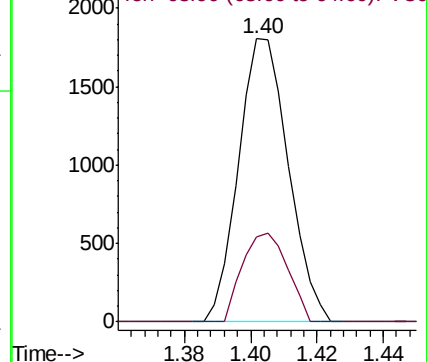
62 100

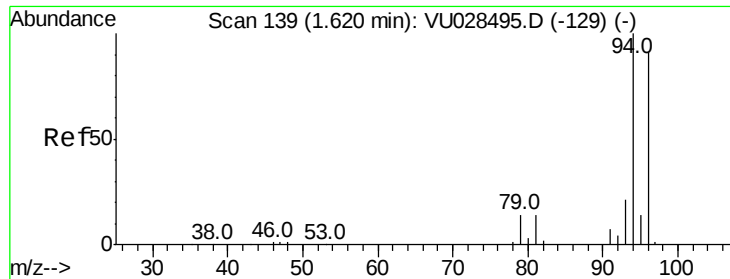
64 30.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

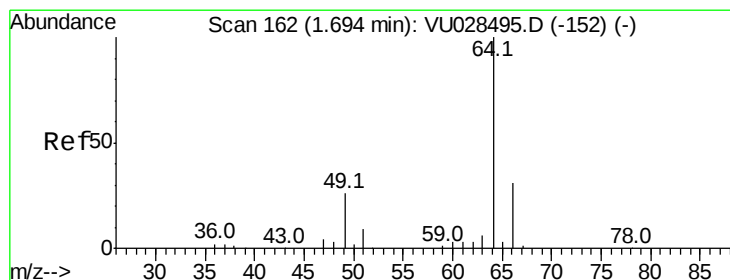
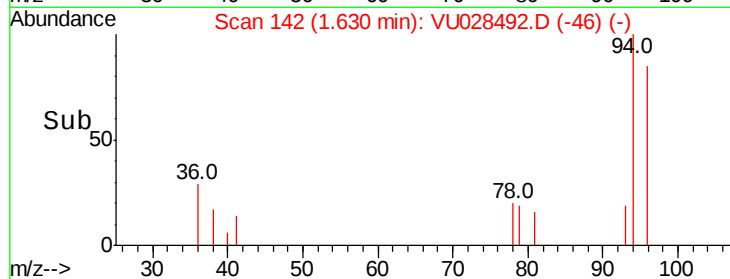
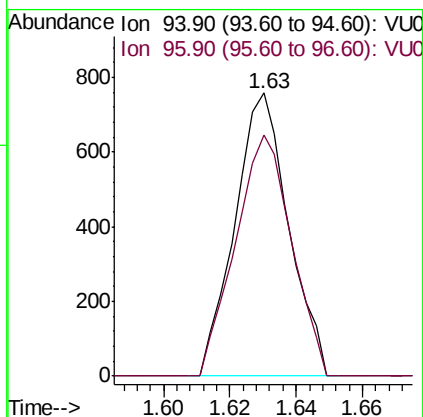
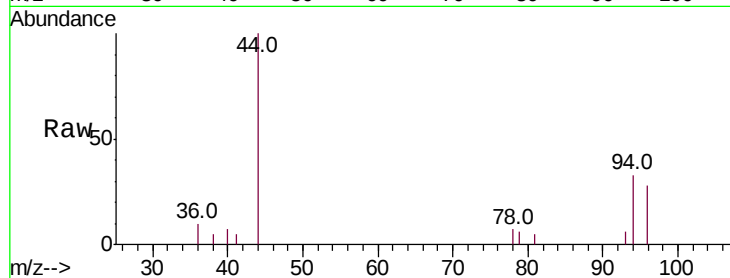




#5
Bromomethane
Concen: 1.118 ug/l
RT: 1.63 min Scan# 142
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

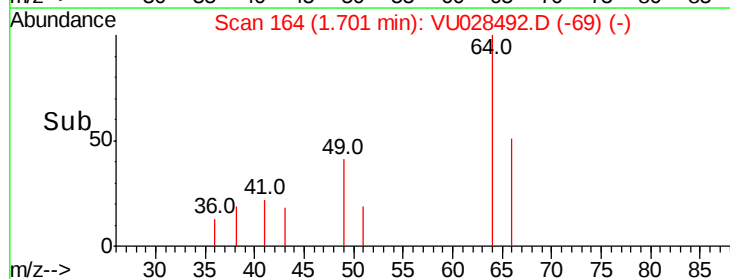
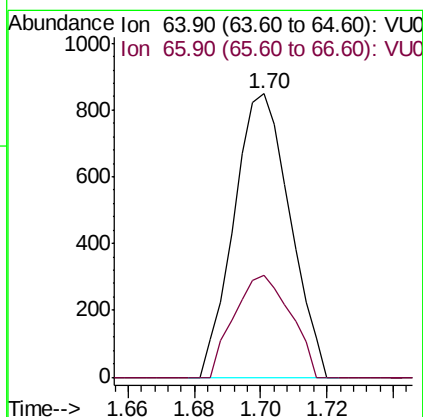
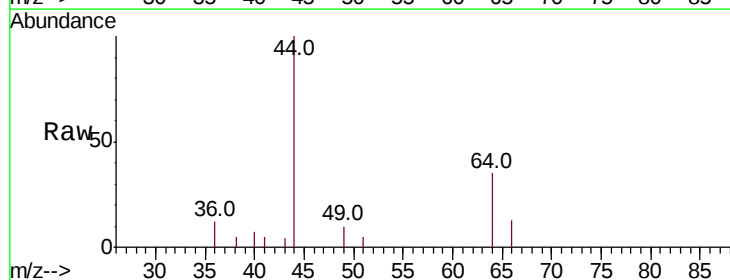
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

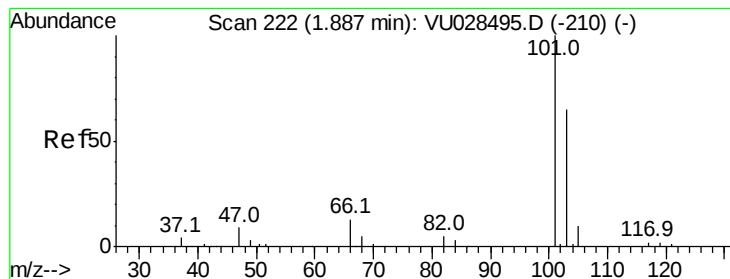
Tot Ion: 94 Resp: 855
Ion Ratio Lower Upper
94 100
96 85.2 73.2 109.8



#6
Chloroethane
Concen: 0.926 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 64 Resp: 995
Ion Ratio Lower Upper
64 100
66 35.8 25.0 37.6



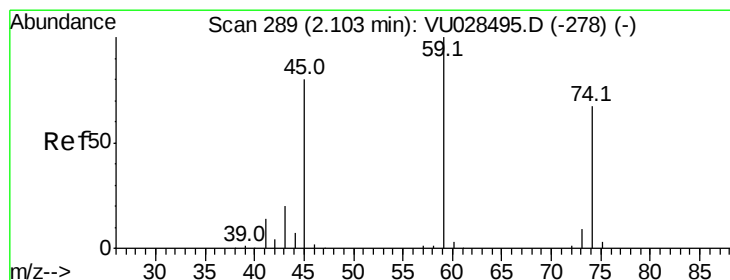
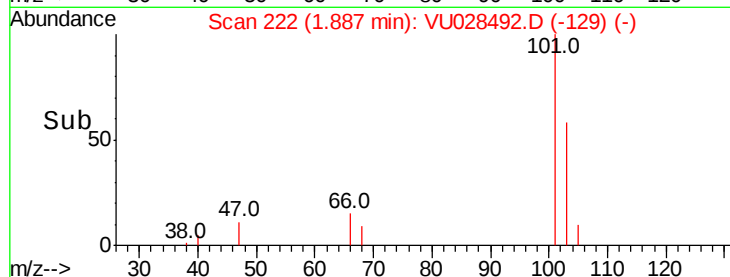
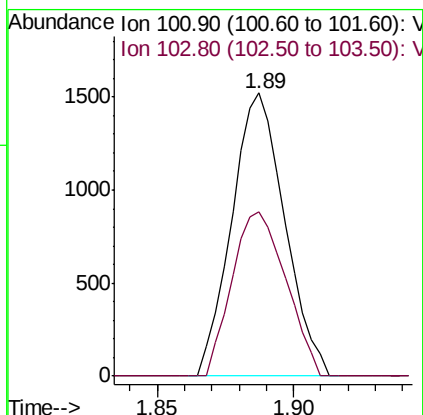
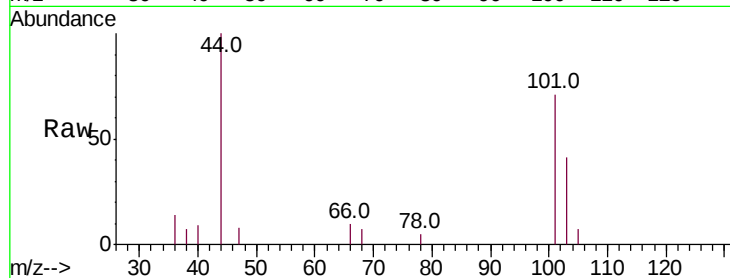


#7

Trichlorofluoromethane
Concen: 1.027 ug/l
RT: 1.89 min Scan# 222
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

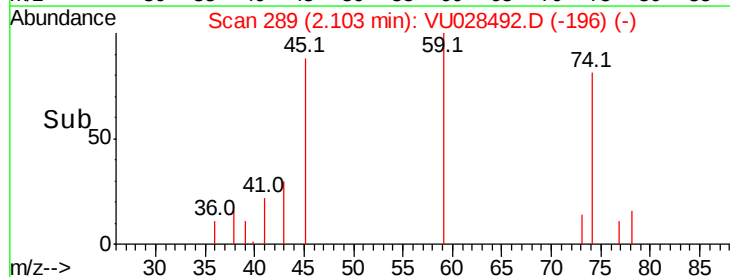
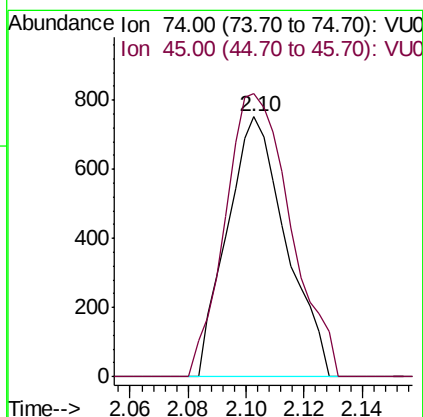
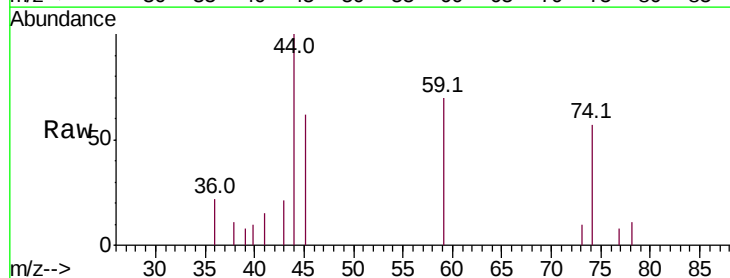
Tot Ion:101 Resp: 2050
Ion Ratio Lower Upper
101 100
103 58.1 52.3 78.5

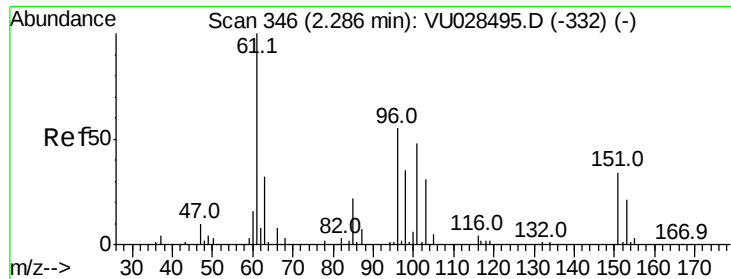


#8

Diethyl Ether
Concen: 1.128 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 74 Resp: 1054
Ion Ratio Lower Upper
74 100
45 121.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.001 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

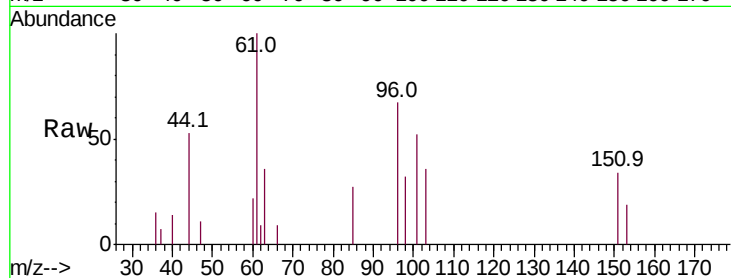
Tot Ion:101 Resp: 1196

Ion Ratio Lower Upper

101 100

85 45.0 36.4 54.6

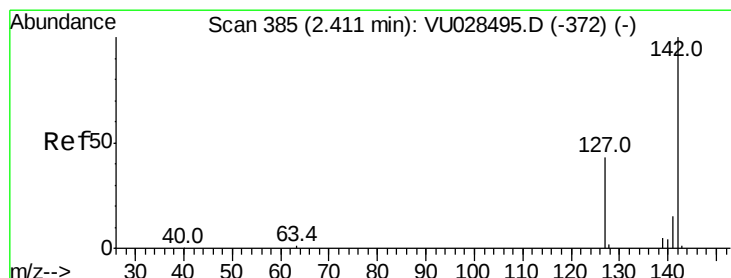
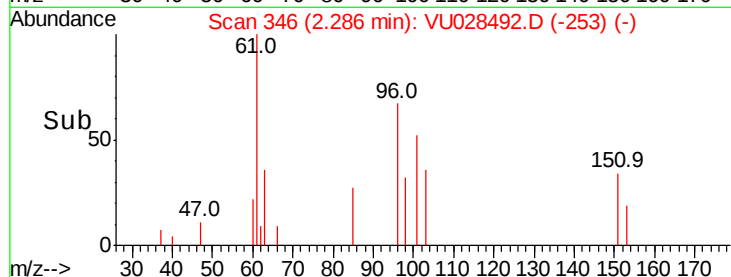
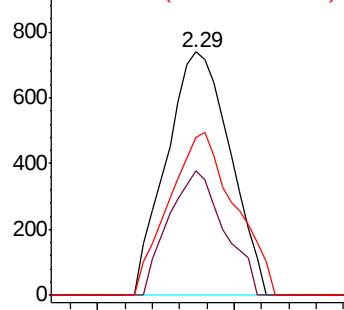
151 69.4 58.2 87.2



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: 0.881 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

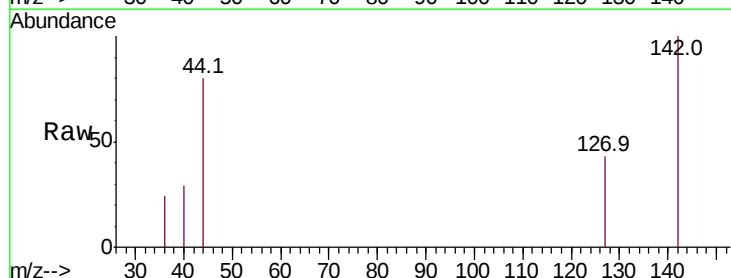
Tgt Ion:142 Resp: 826

Ion Ratio Lower Upper

142 100

127 34.9 33.5 50.3

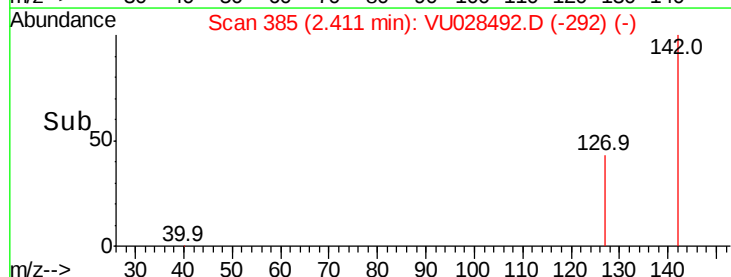
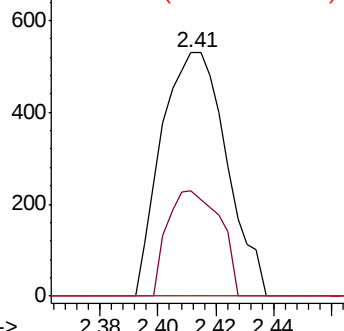
141 0.0 11.2 16.8#

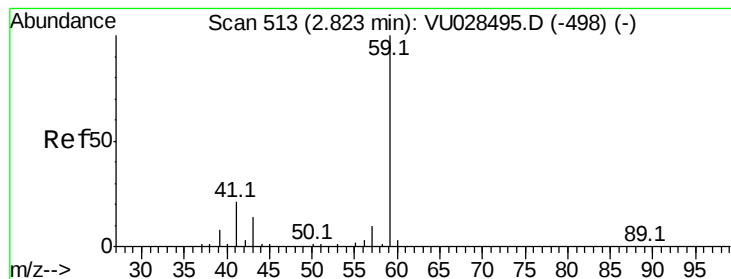


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.473 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

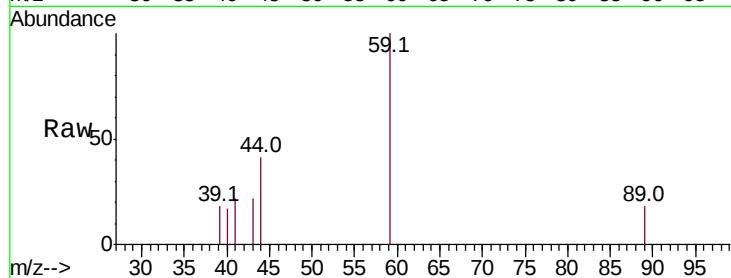
VSTDIC001

Tot Ion: 59 Resp: 1986

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.83

800

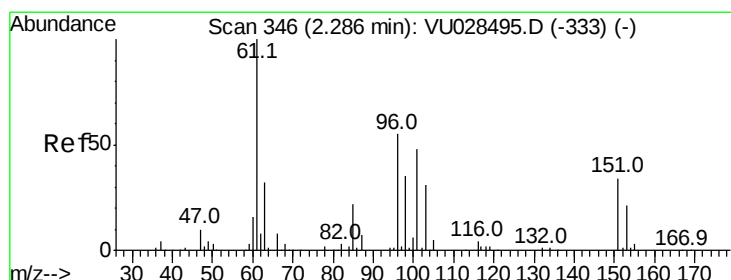
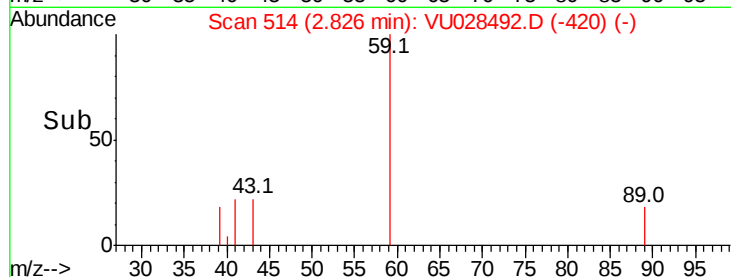
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.065 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

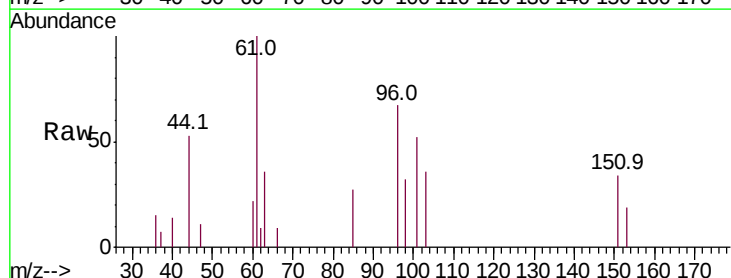
Tgt Ion: 96 Resp: 1265

Ion Ratio Lower Upper

96 100

61 149.0 146.4 219.6

98 47.4 51.8 77.8#



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-333) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-333) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-333) (-)

2000

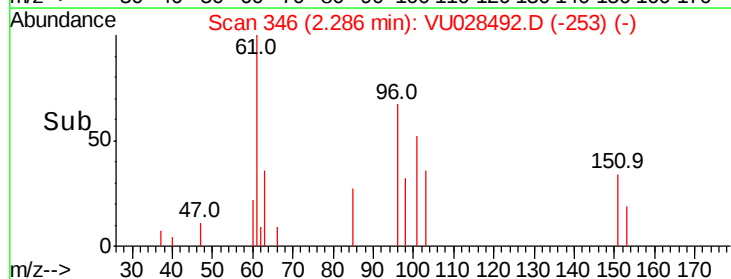
1500

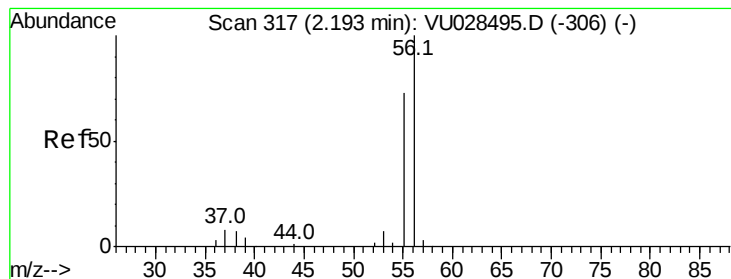
1000

500

0

Time-->





#13

Acrolein

Concen: 5.331 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

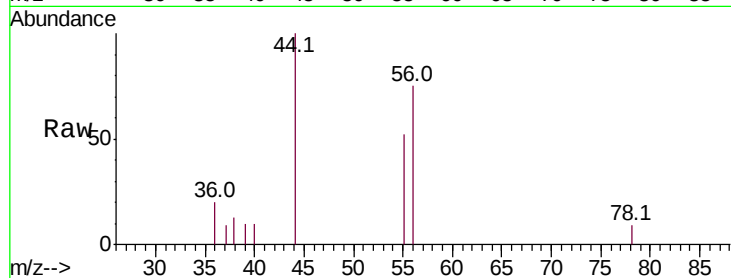
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 1542

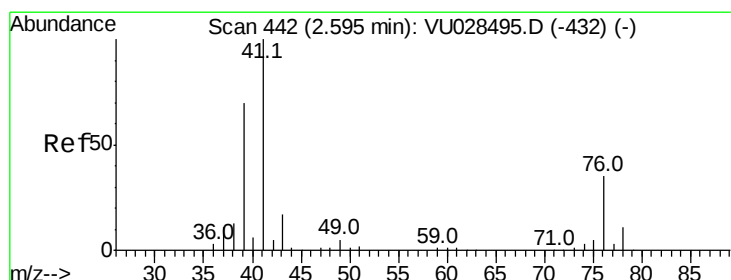
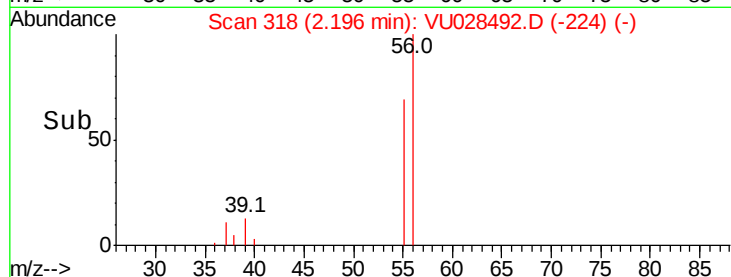
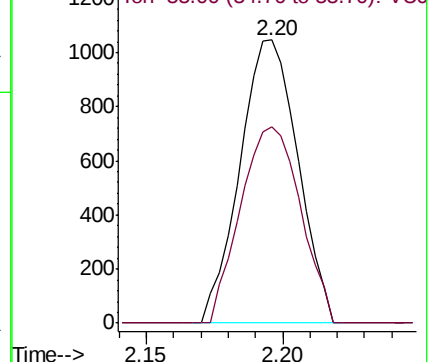
Ion Ratio Lower Upper

56 100

55 71.9 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: 1.134 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

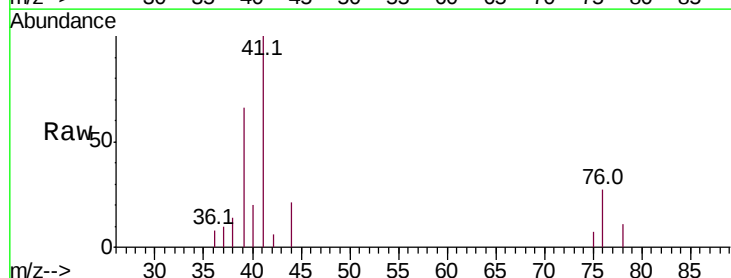
Tgt Ion: 41 Resp: 3188

Ion Ratio Lower Upper

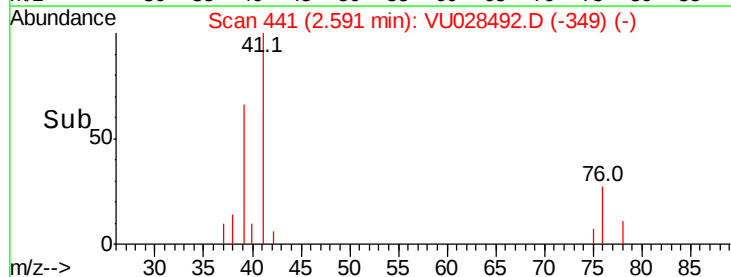
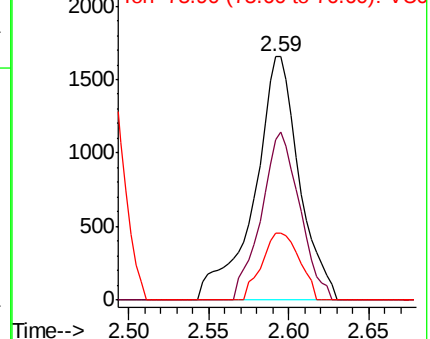
41 100

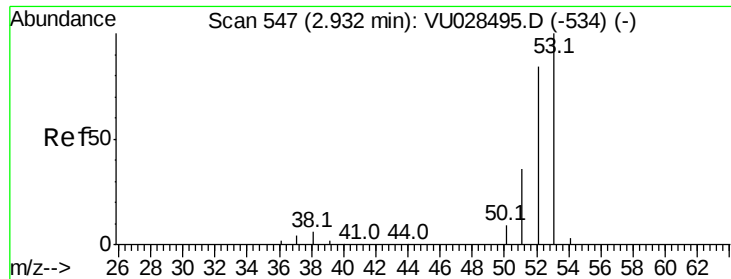
39 59.3 50.8 76.2

76 23.2 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: 4.882 ug/l

RT: 2.95 min Scan# 551

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

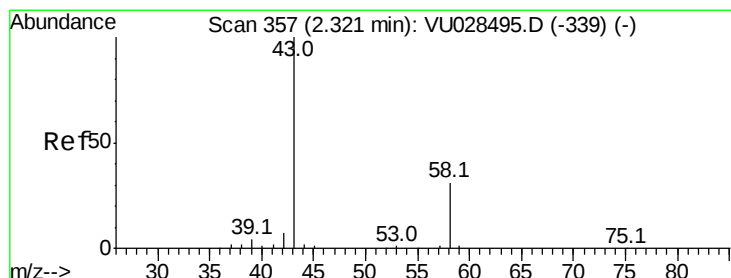
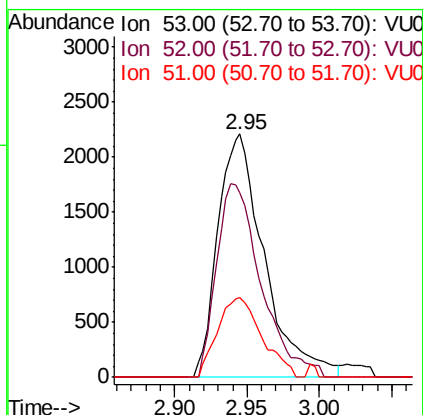
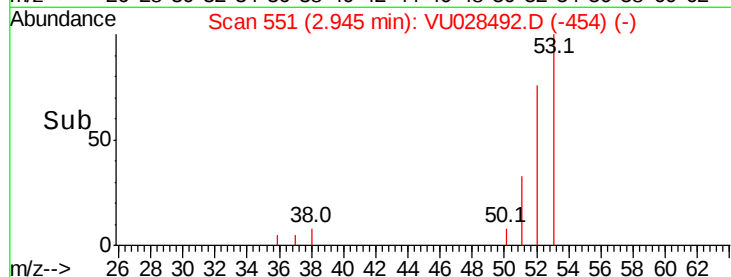
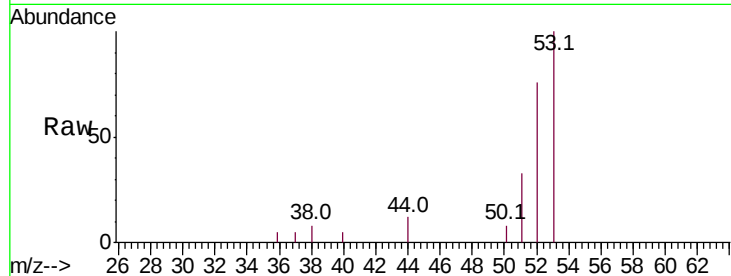
Tot Ion: 53 Resp: 4918

Ion Ratio Lower Upper

53 100

52 76.0 66.1 99.1

51 31.3 28.1 42.1



#16

Acetone

Concen: 6.160 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028492.D

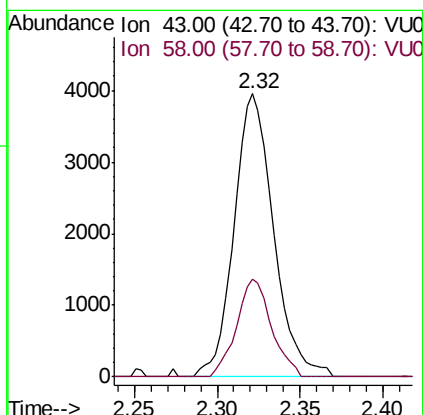
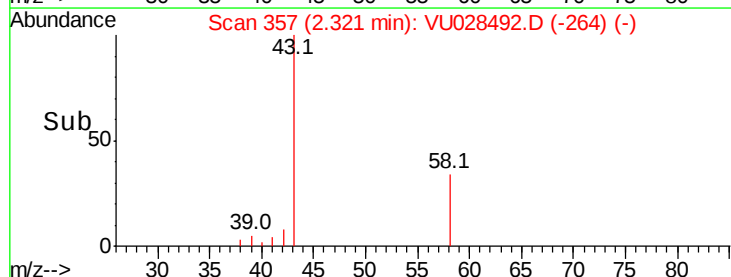
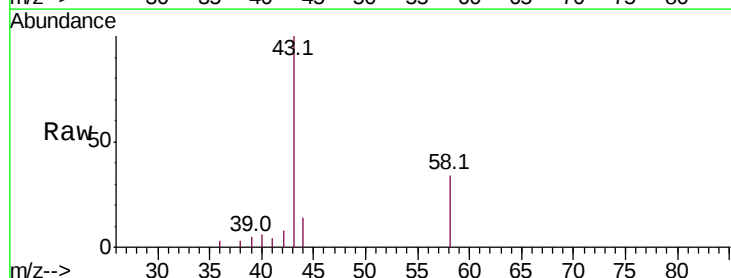
Acq: 06 Dec 2018 11:22

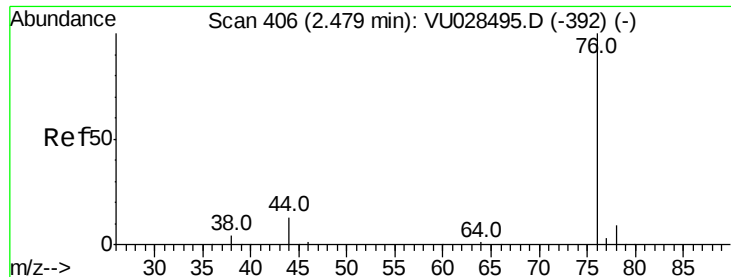
Tgt Ion: 43 Resp: 6547

Ion Ratio Lower Upper

43 100

58 34.5 24.6 37.0





#17

Carbon Disulfide

Concen: 1.140 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

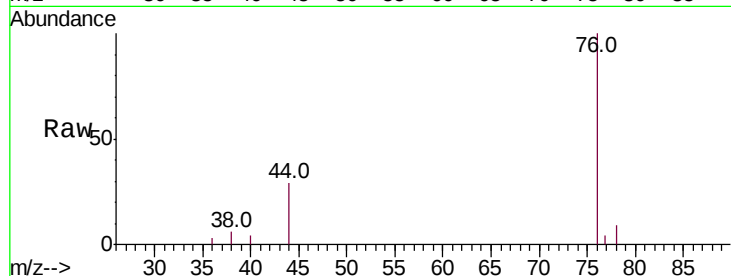
VSTDIC001

Tot Ion: 76 Resp: 4879

Ion Ratio Lower Upper

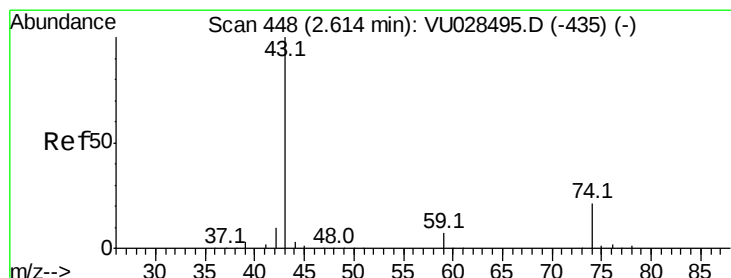
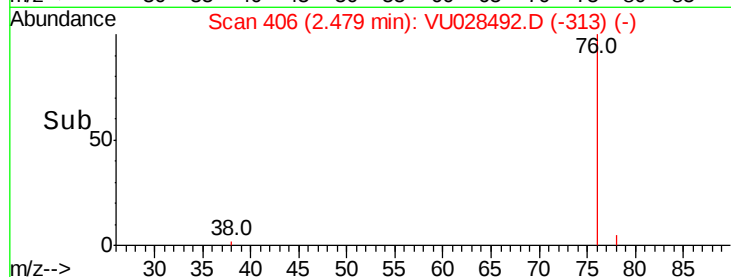
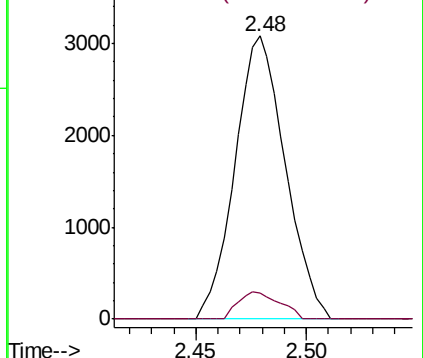
76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 0.971 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028492.D

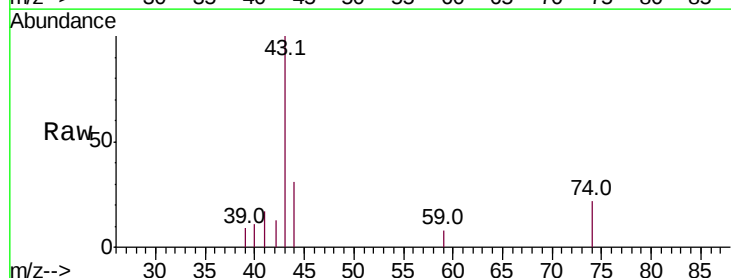
Acq: 06 Dec 2018 11:22

Tgt Ion: 43 Resp: 2676

Ion Ratio Lower Upper

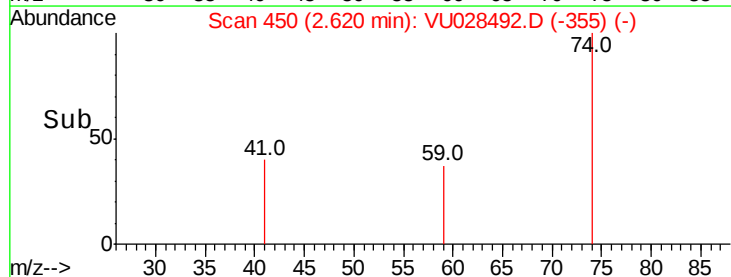
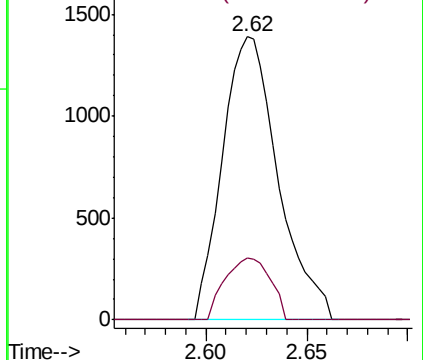
43 100

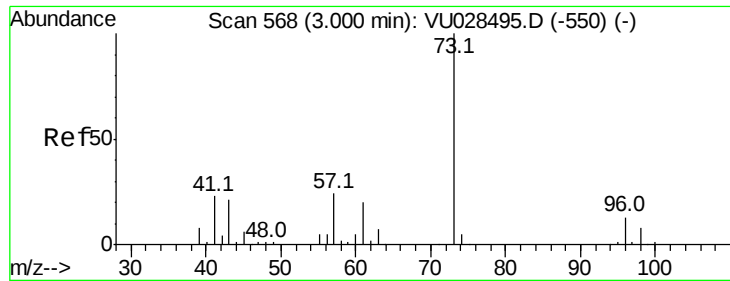
74 17.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

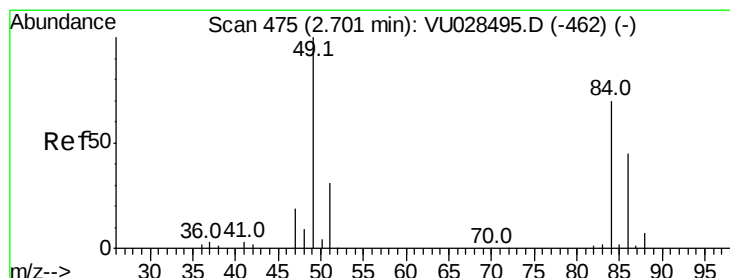
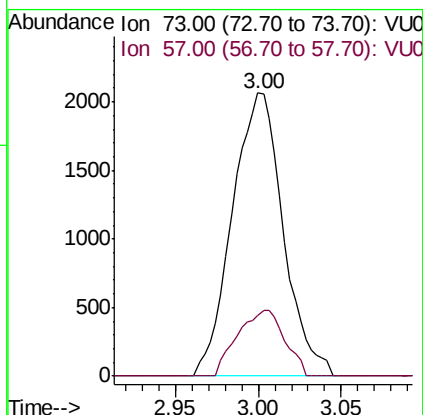
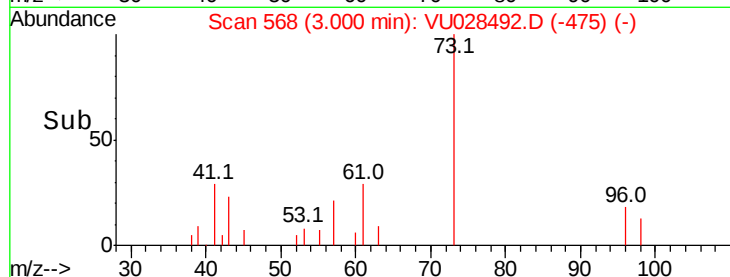
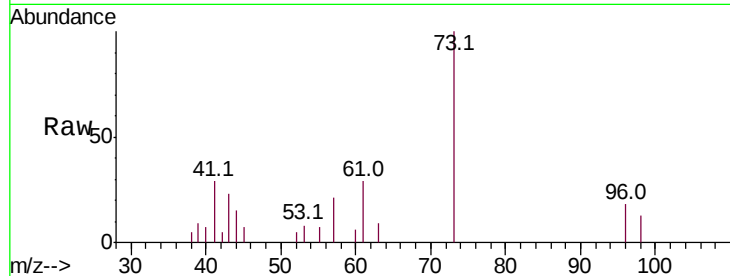




#19
Methvl tert-butvl Ether
Concen: 0.977 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

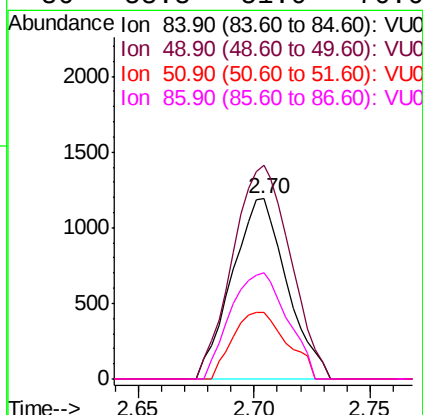
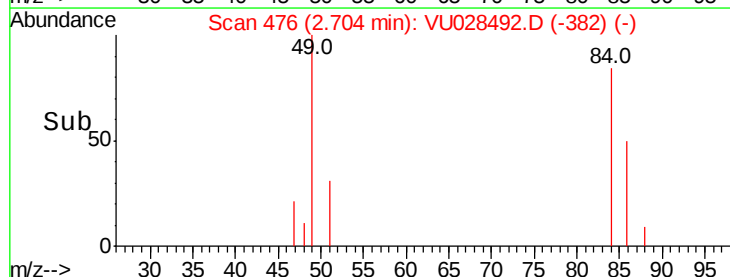
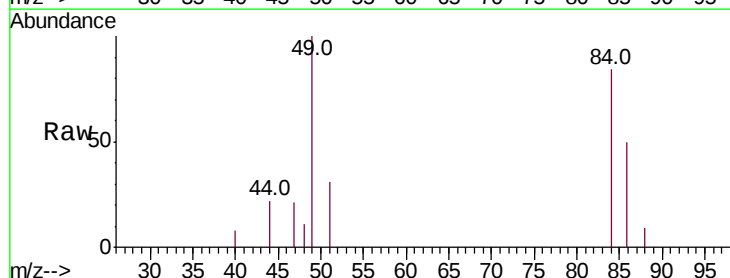
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

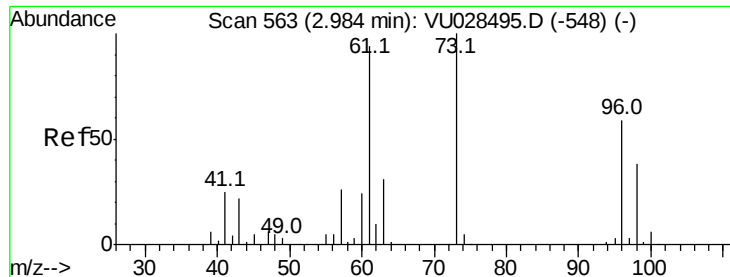
Tot Ion: 73 Resp: 4403
Ion Ratio Lower Upper
73 100
57 21.3 19.4 29.2



#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 84 Resp: 1968
Ion Ratio Lower Upper
84 100
49 118.6 114.0 171.0
51 36.9 35.1 52.7
86 58.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 0.991 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

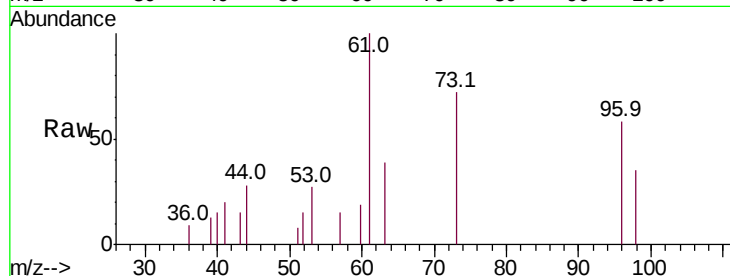
Tot Ion: 96 Resp: 1326

Ion Ratio Lower Upper

96 100

61 171.1 127.0 190.4

98 60.6 51.9 77.9



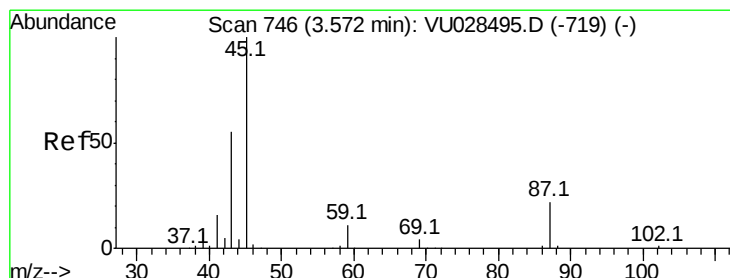
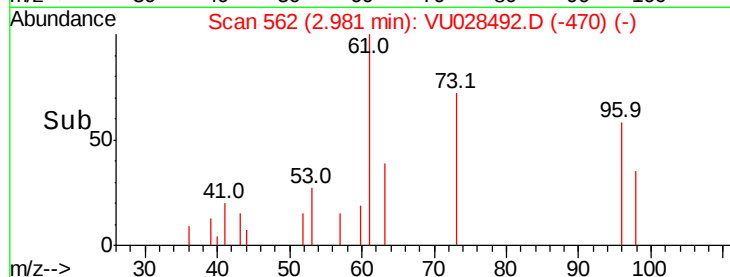
Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)

2.98

Time-->



#22

Diisopropyl ether

Concen: 0.974 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion: 45 Resp: 5325

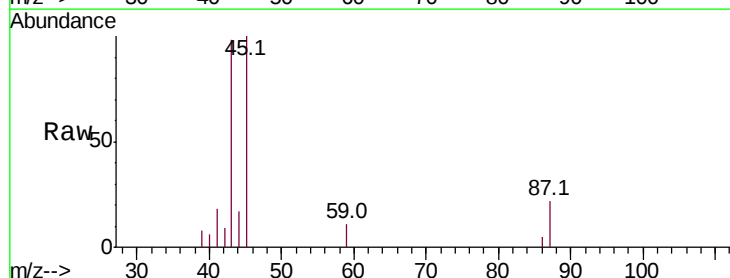
Ion Ratio Lower Upper

45 100

43 82.1 45.3 67.9#

87 21.6 17.6 26.4

59 10.5 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

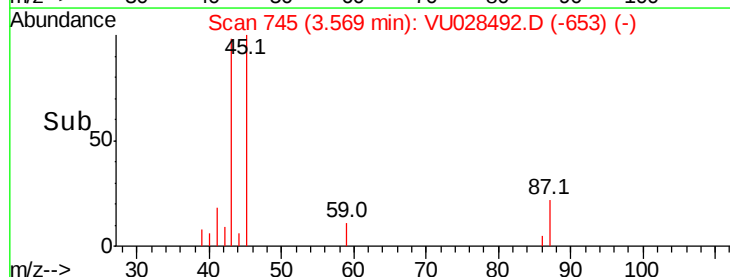
Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

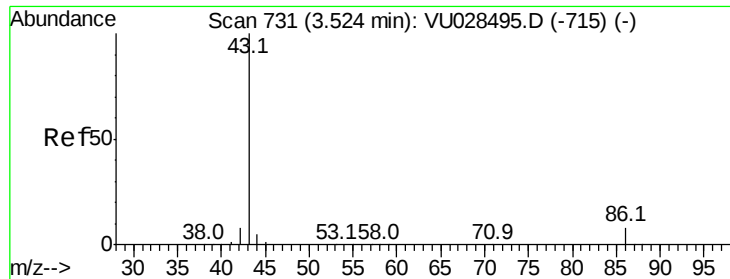
Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)

3.57

Time-->





#23

Vinyl Acetate

Concen: 4.729 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

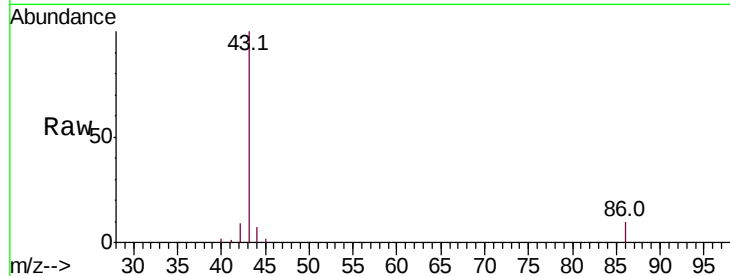
VSTDIC001

Tot Ion: 43 Resp: 21321

Ion Ratio Lower Upper

43 100

86 9.8 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028492.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028492.D (-638) (-)

3.53

8000

6000

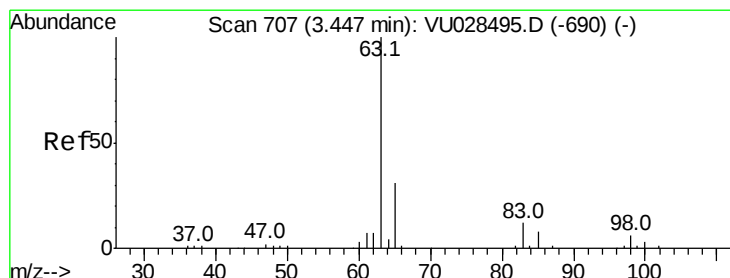
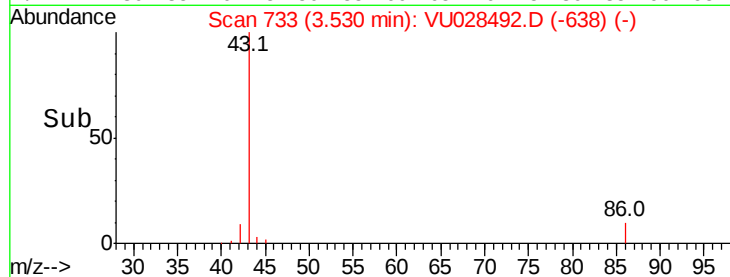
4000

2000

0

3.50 3.55 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 1.090 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

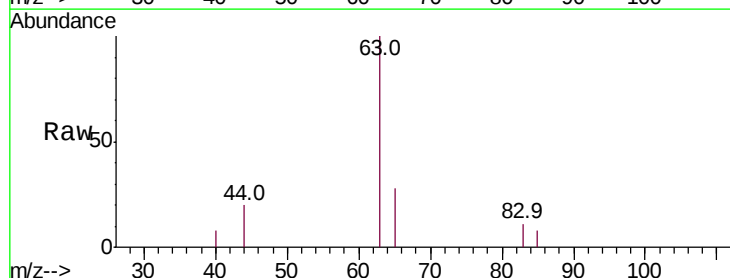
Tgt Ion: 63 Resp: 3119

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.2#

100 0.0 1.7 5.1#



Abundance Ion 62.90 (62.60 to 63.60): VU028492.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028492.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028492.D (-614) (-)

2000

1500

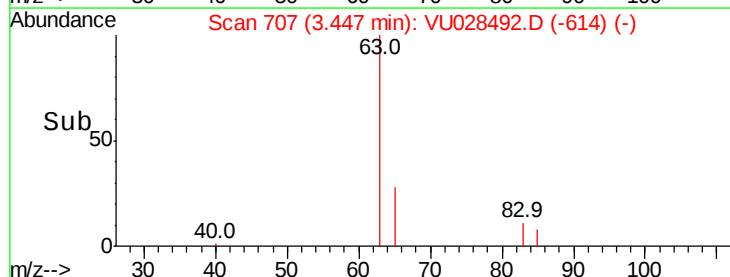
1000

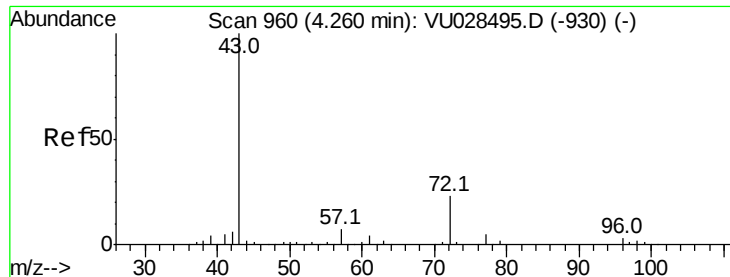
500

0

3.40 3.45 3.50

Time-->





#25

2-Butanone

Concen: 4.772 ug/l

RT: 4.28 min Scan# 966

Delta R.T. 0.02 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

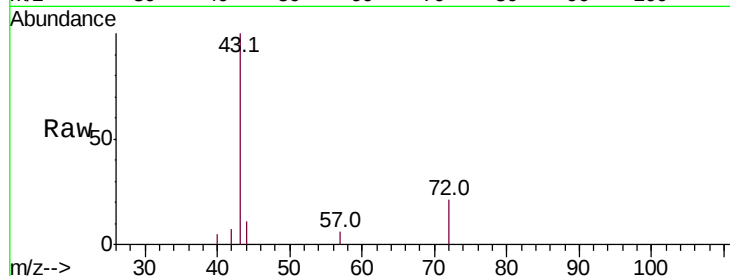
VSTDIC001

Tot Ion: 43 Resp: 6931

Ion Ratio Lower Upper

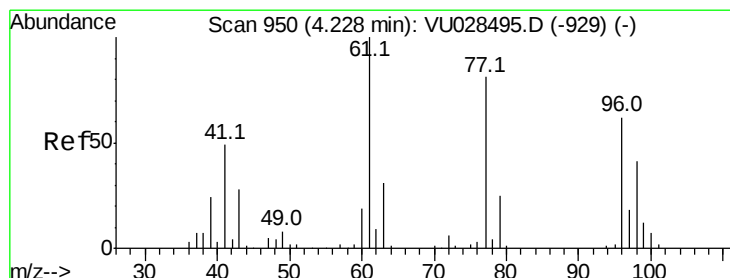
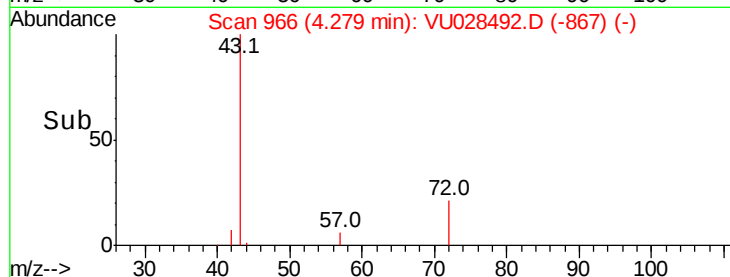
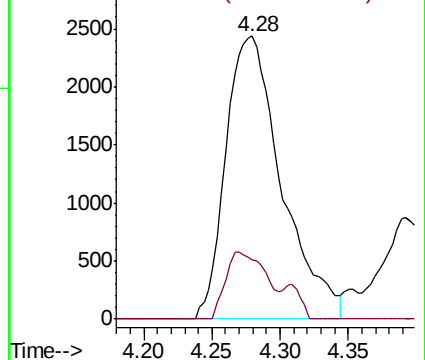
43 100

72 21.1 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: 1.048 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU028492.D

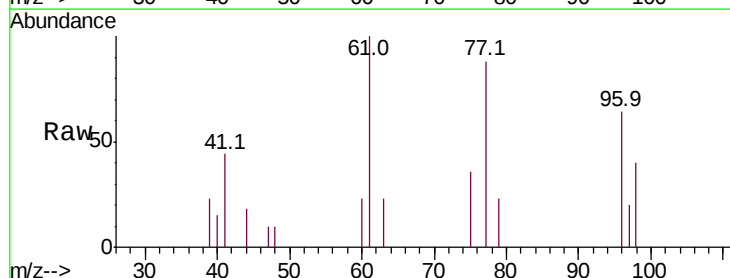
Acq: 06 Dec 2018 11:22

Tgt Ion: 77 Resp: 2375

Ion Ratio Lower Upper

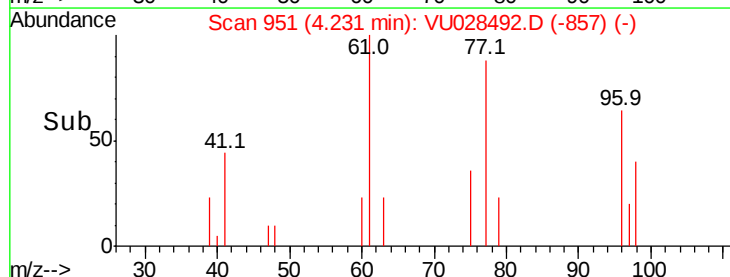
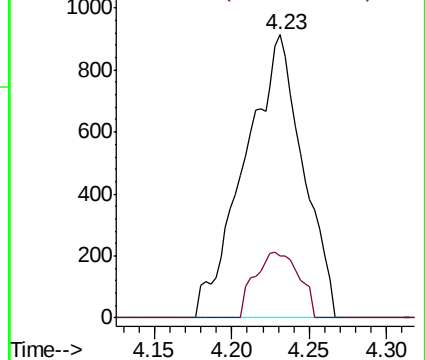
77 100

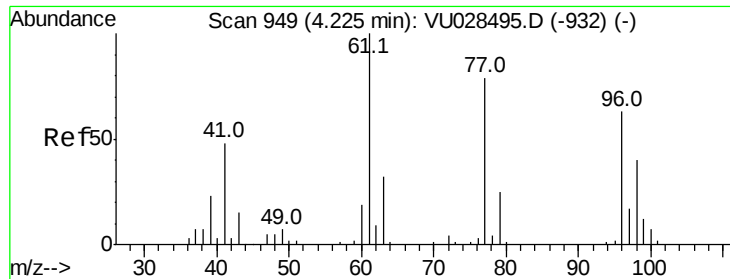
97 17.8 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



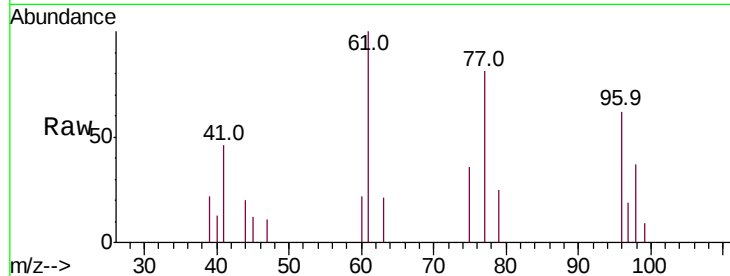


#27

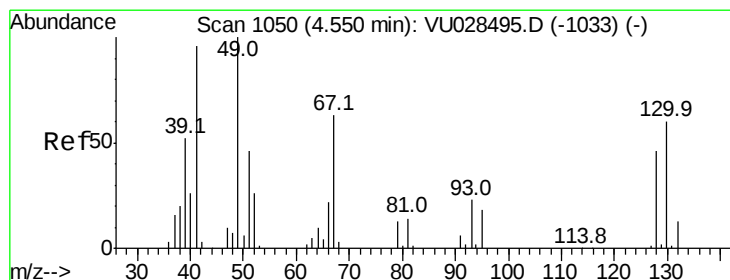
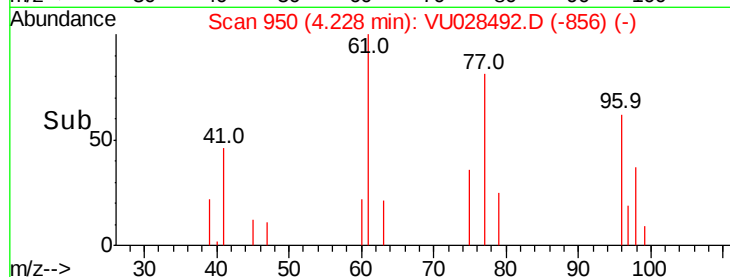
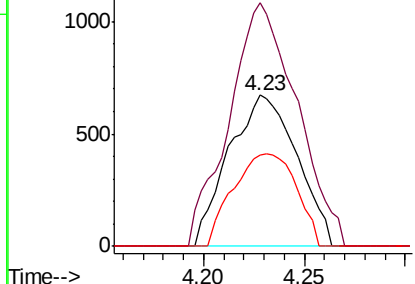
cis-1,2-Dichloroethene
Concen: 1.043 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 1579
Ion Ratio Lower Upper
96 100
61 160.4 0.0 332.4
98 56.8 0.0 129.0



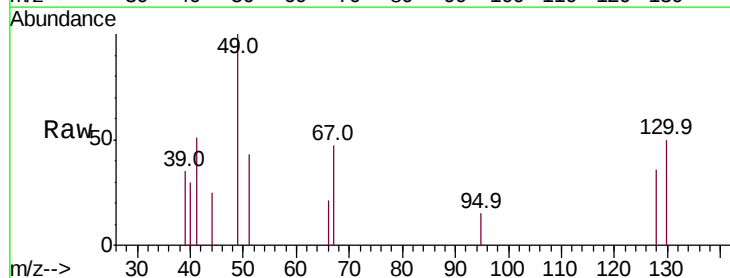
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



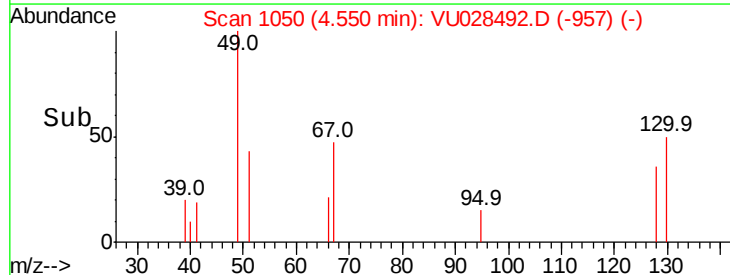
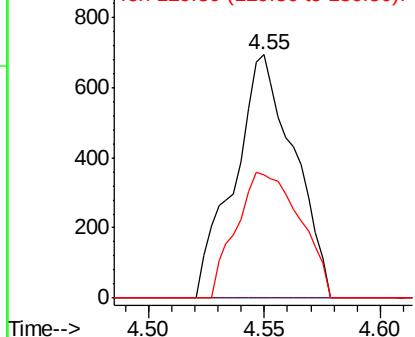
#28

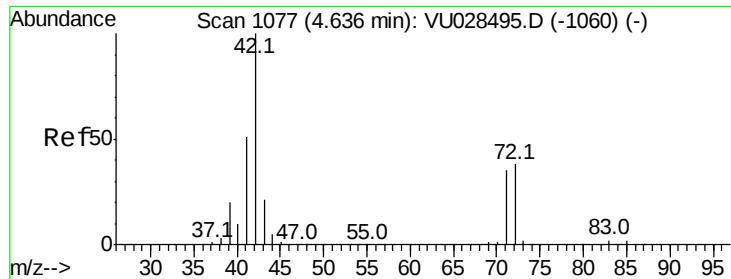
Bromochloromethane
Concen: 0.955 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 49 Resp: 1242
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 55.2 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: 4.766 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

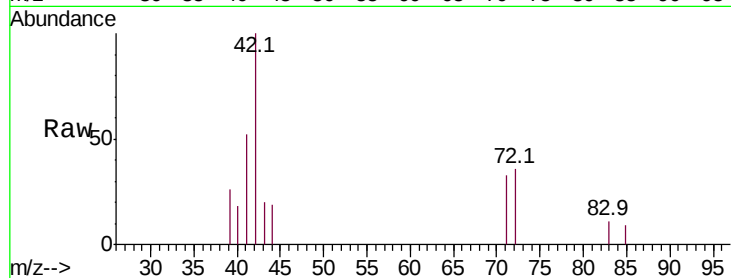
Tot Ion: 42 Resp: 4446

Ion Ratio Lower Upper

42 100

72 30.3 31.4 47.0#

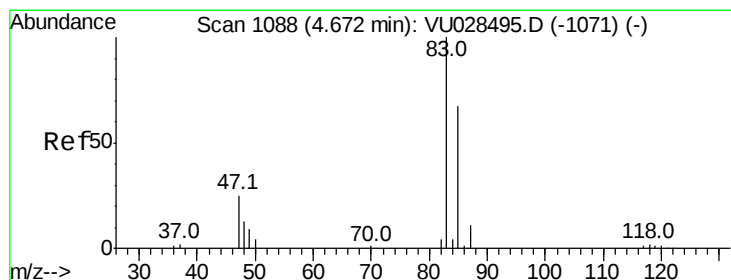
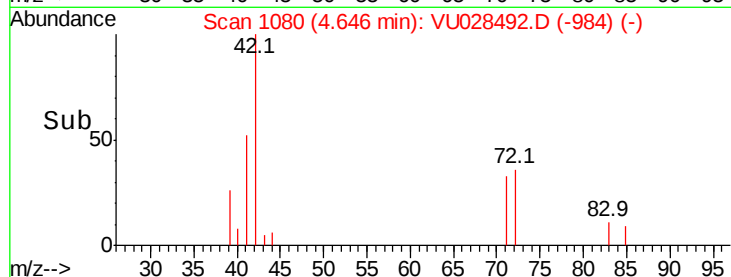
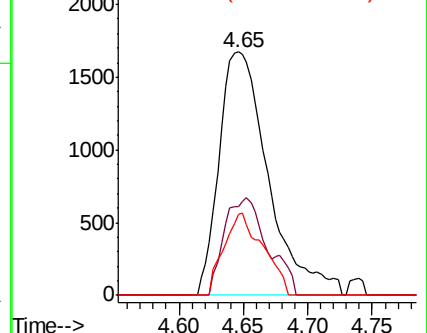
71 26.7 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 0.942 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028492.D

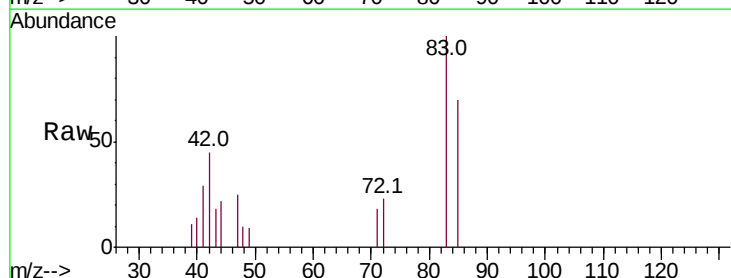
Acq: 06 Dec 2018 11:22

Tgt Ion: 83 Resp: 2349

Ion Ratio Lower Upper

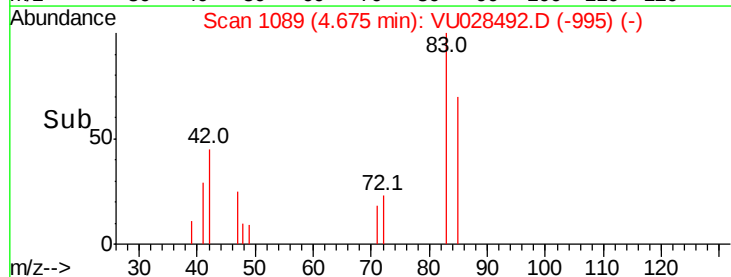
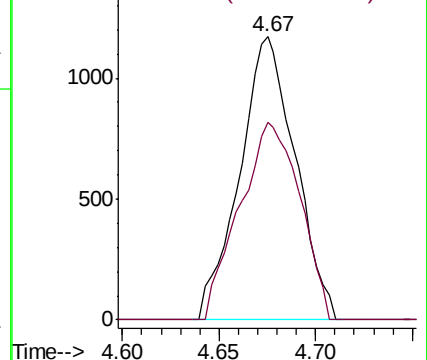
83 100

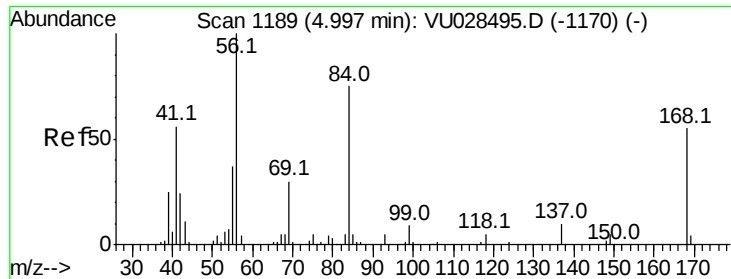
85 69.9 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

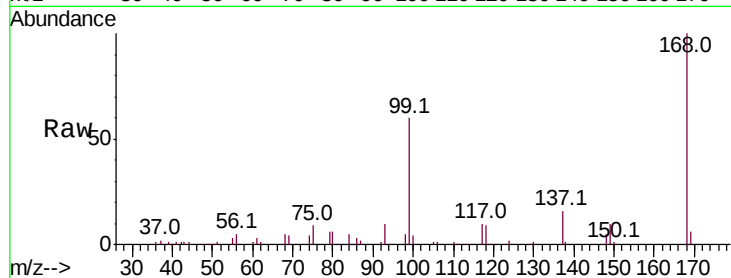




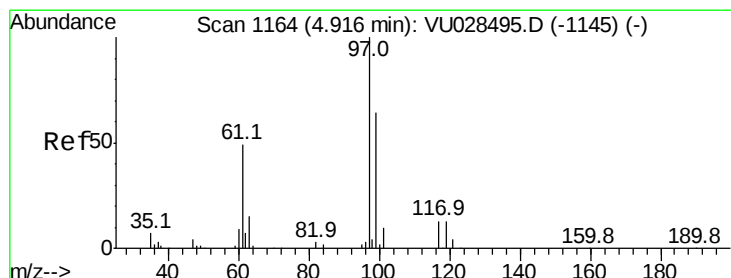
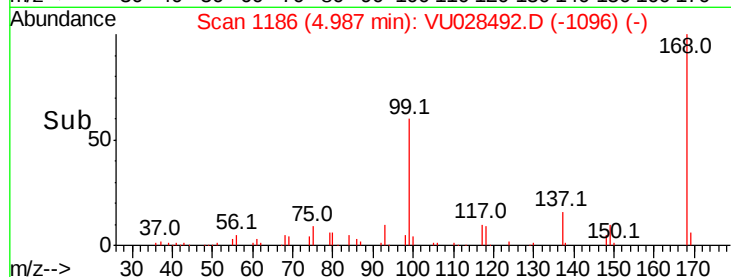
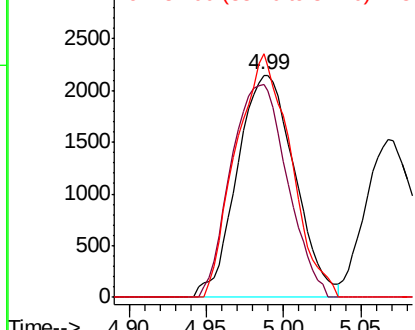
#31
Cyclohexane
Concen: 1.650 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 5540
Ion Ratio Lower Upper
56 100
69 95.7 24.0 36.0#
84 109.5 59.7 89.5#

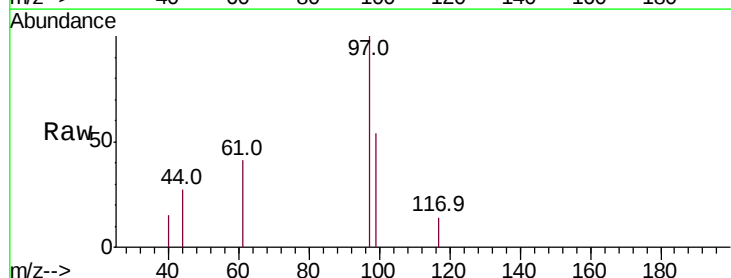


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

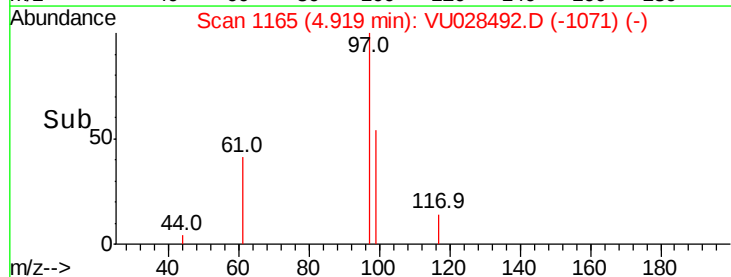
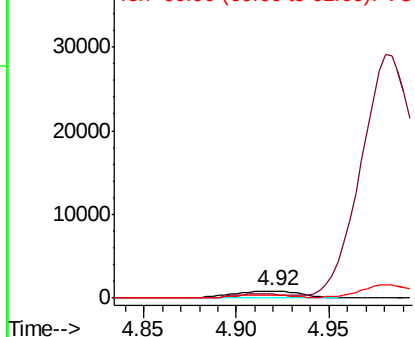


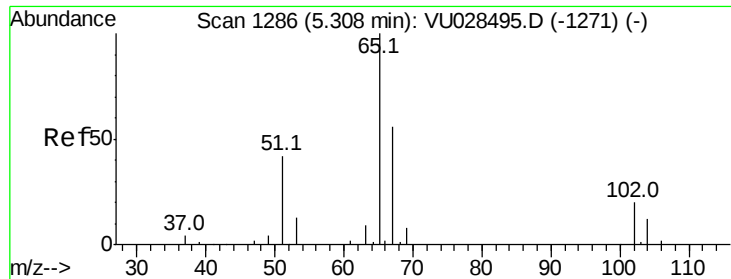
#32
1,1,1-Trichloroethane
Concen: 1.010 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 97 Resp: 2093
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 40.8 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

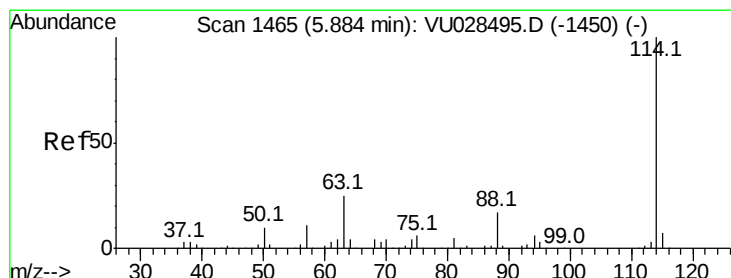
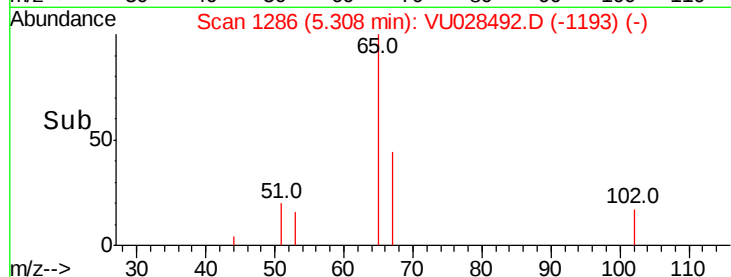
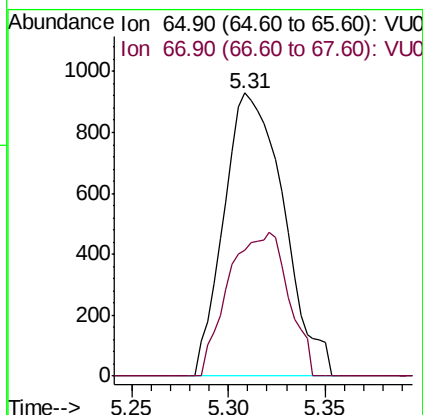
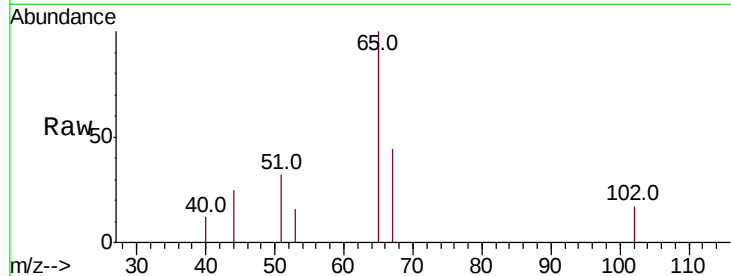




#33
 1,2-Dichloroethane-d4
 Concen: 1.227 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

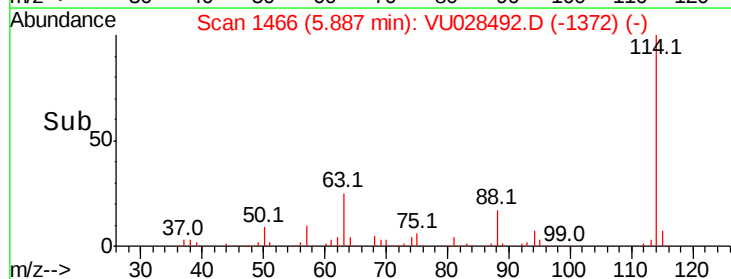
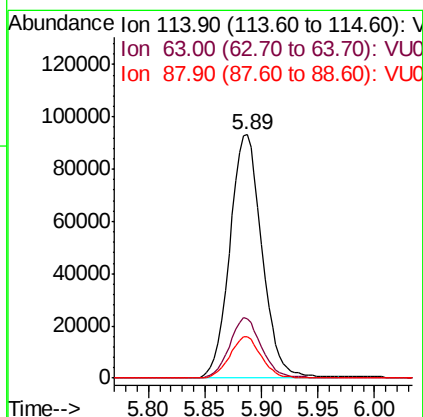
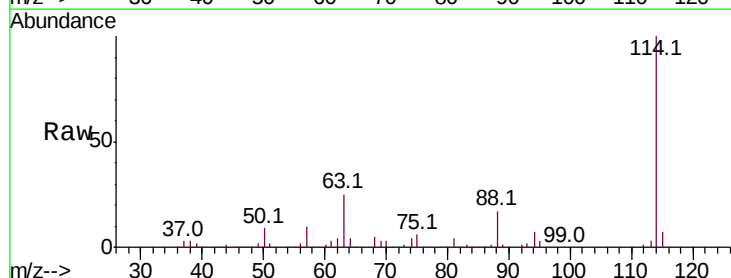
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

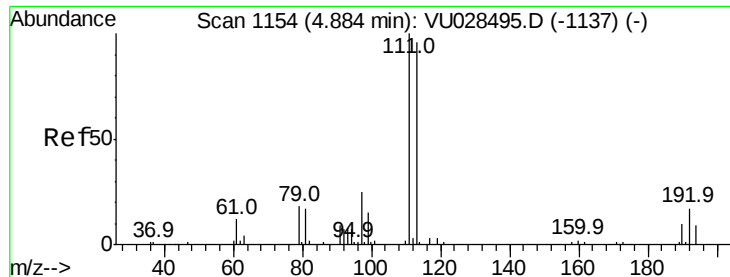
Tot Ion: 65 Resp: 1998
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 114 Resp: 184734
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 1.127 ug/l

RT: 4.89 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

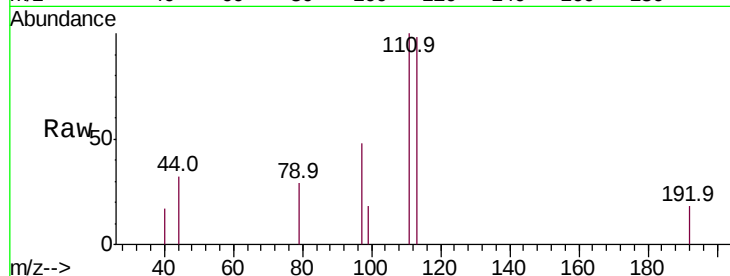
Tot Ion:113 Resp: 1310

Ion Ratio Lower Upper

113 100

111 110.7 83.4 125.0

192 7.3 14.8 22.2#

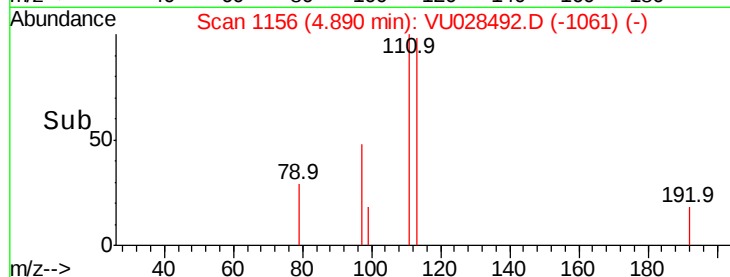


Abundance Ion 112.80 (112.50 to 113.50): V

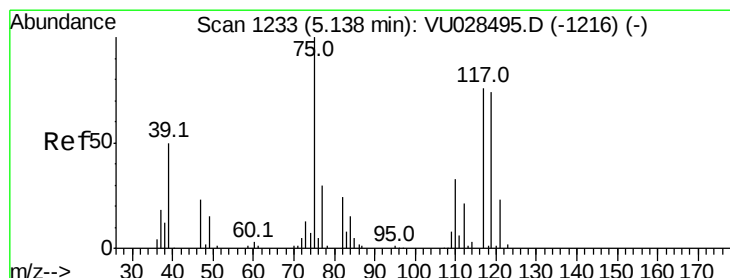
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 1.085 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

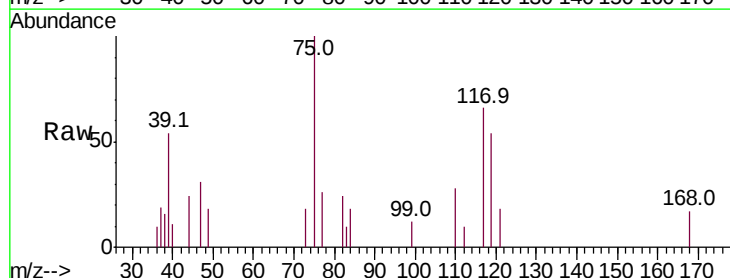
Tgt Ion: 75 Resp: 2194

Ion Ratio Lower Upper

75 100

110 25.9 16.1 48.2

77 26.7 24.5 36.7

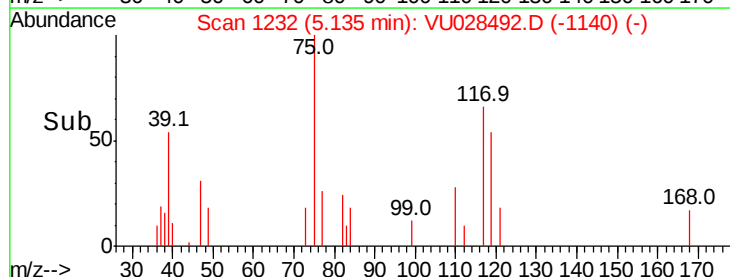


Abundance Ion 74.90 (74.60 to 75.60): VU0

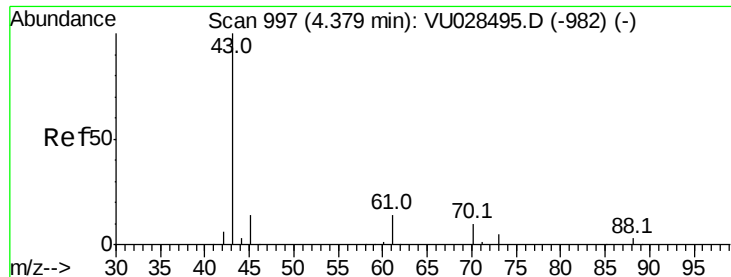
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

Time-->



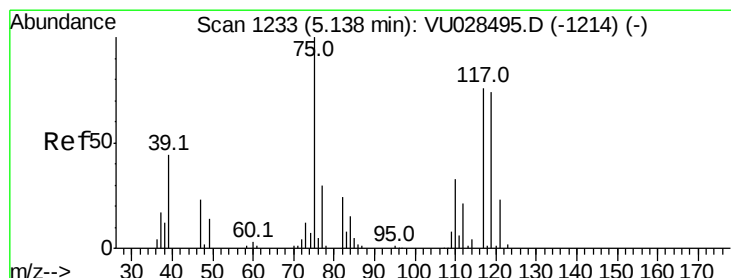
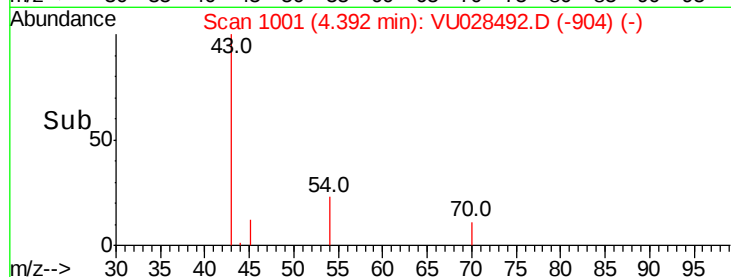
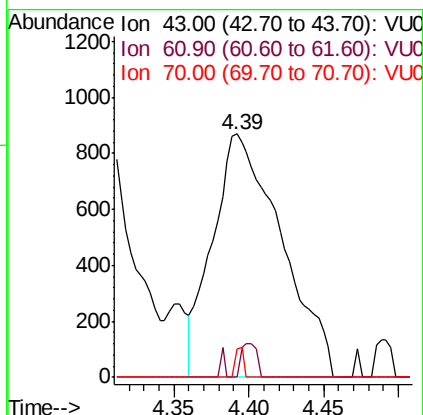
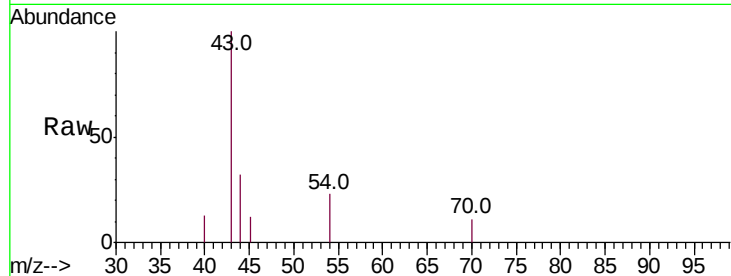
Time-->



#37
Ethyl Acetate
Concen: 1.066 ug/l
RT: 4.39 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

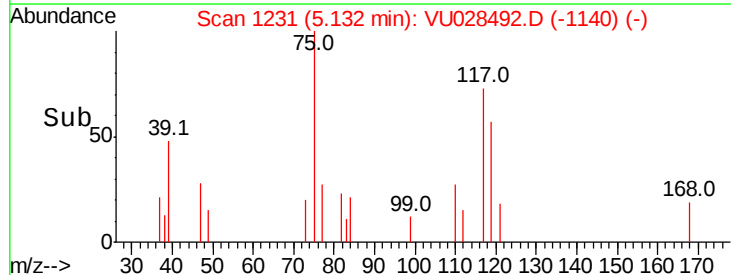
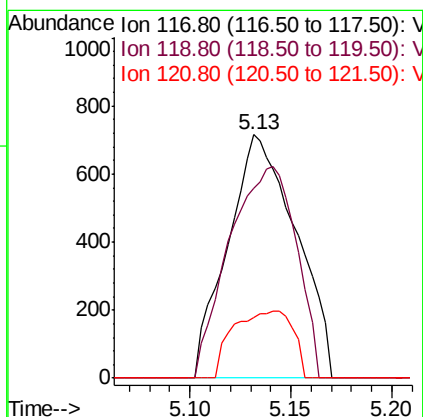
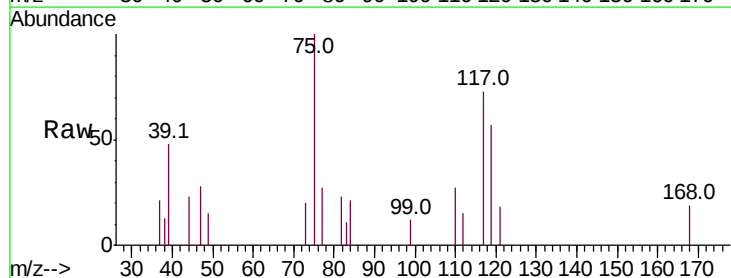
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

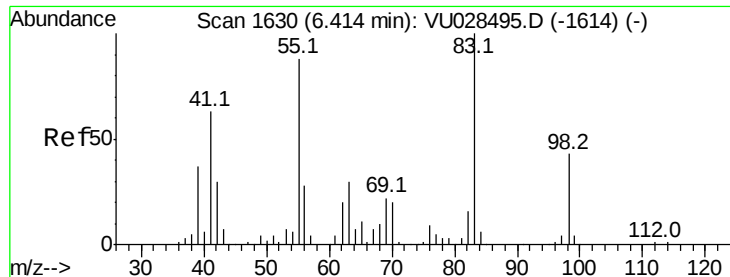
Tot Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
61 3.1 11.0 16.4#
70 1.4 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 1.030 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 117 Resp: 1679
Ion Ratio Lower Upper
117 100
119 78.1 77.6 116.4
121 24.7 24.6 36.8

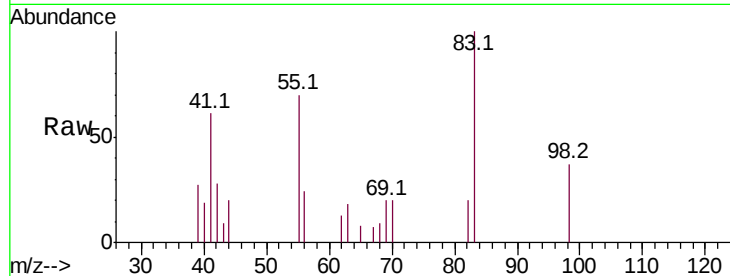




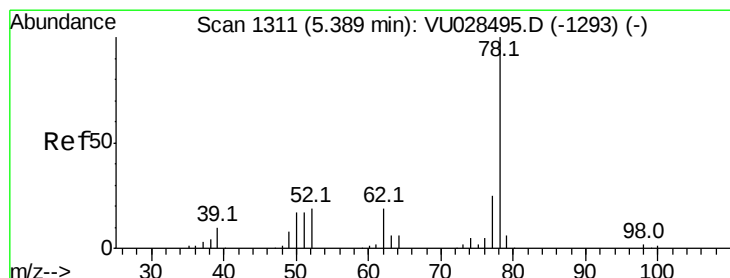
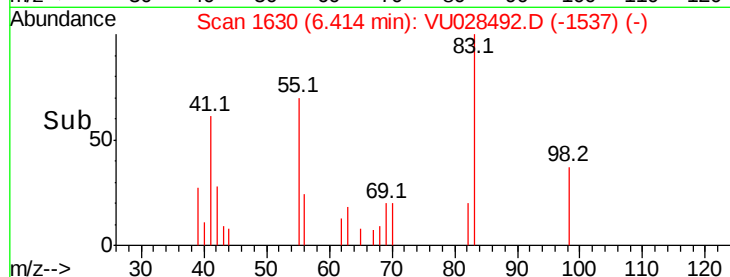
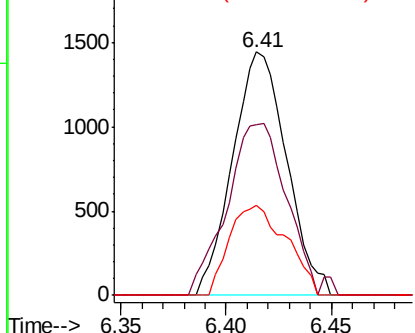
#39
Methvlcvclohexane
Concen: 1.044 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 2574
Ion Ratio Lower Upper
83 100
55 70.2 70.2 105.2
98 37.0 34.2 51.4

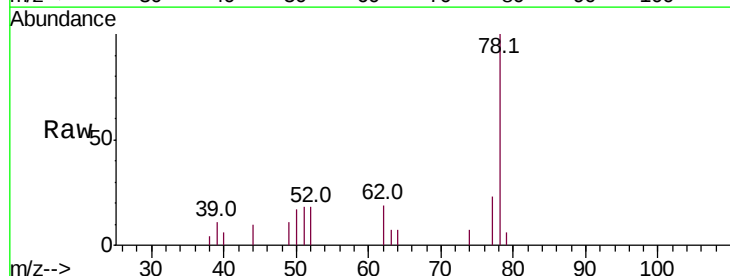


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

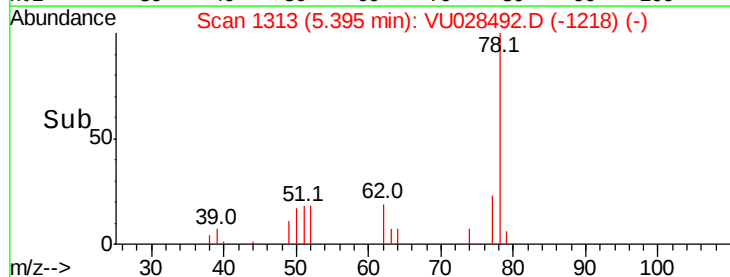
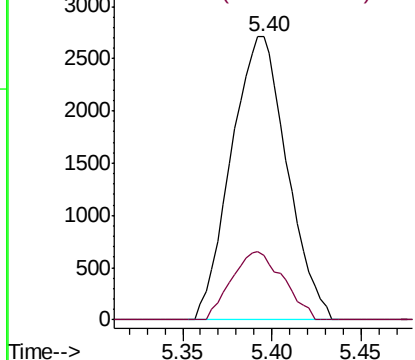


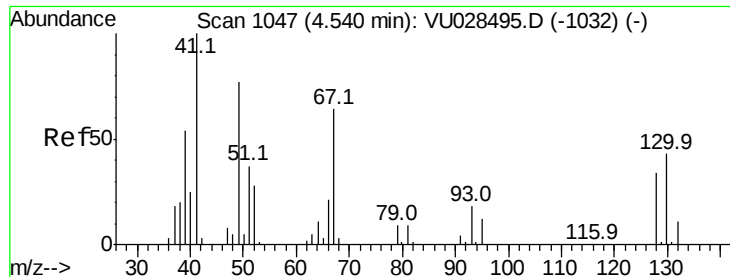
#40
Benzene
Concen: 0.992 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 78 Resp: 5905
Ion Ratio Lower Upper
78 100
77 22.8 19.9 29.9



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

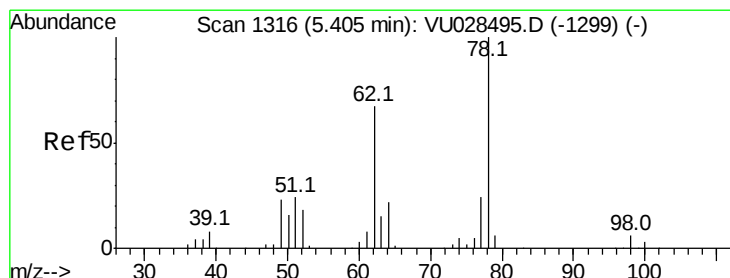
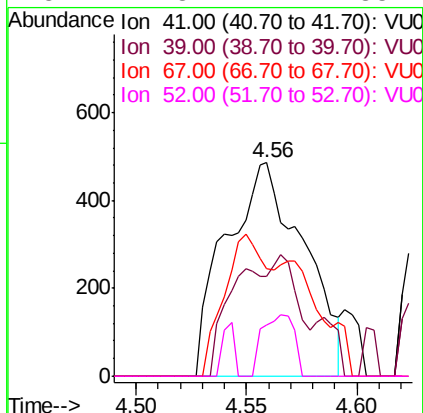
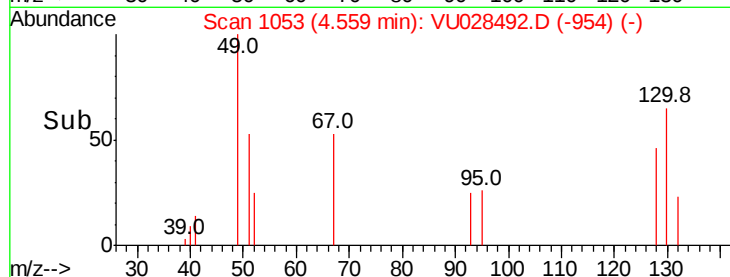
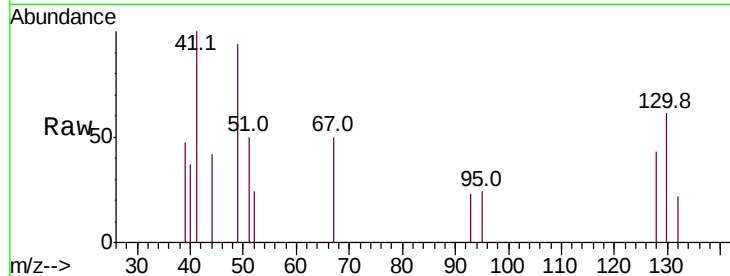




#41
Methacrylonitrile
Concen: 0.832 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

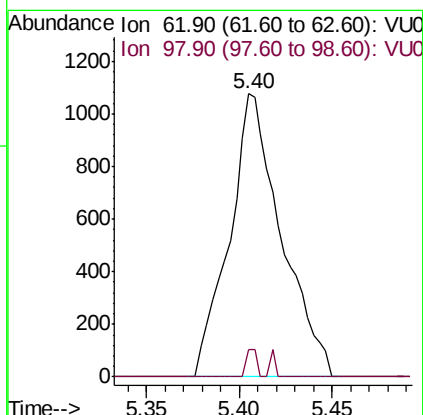
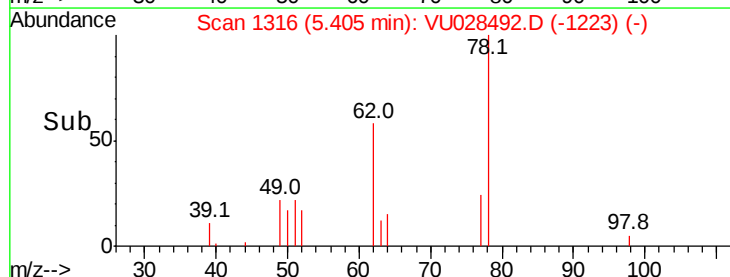
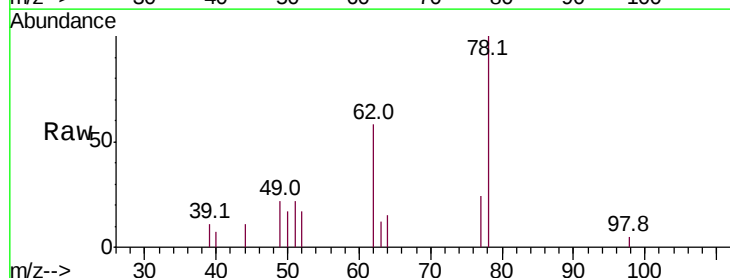
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

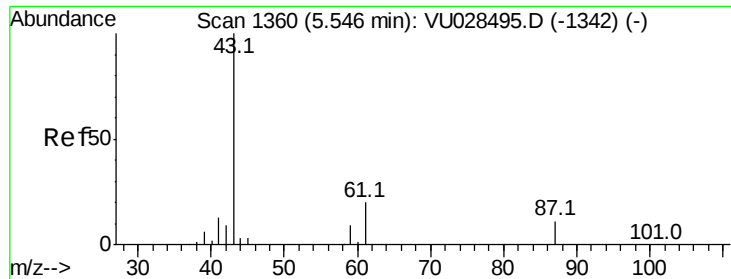
Tot Ion: 41 Resp: 1191
Ion Ratio Lower Upper
41 100
39 0.0 43.3 64.9#
67 0.0 53.6 80.4#
52 11.8 22.1 33.1#



#42
1,2-Dichloroethane
Concen: 1.006 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 62 Resp: 2096
Ion Ratio Lower Upper
62 100
98 1.9 0.0 17.2





#43

Isopropyl Acetate

Concen: 0.935 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

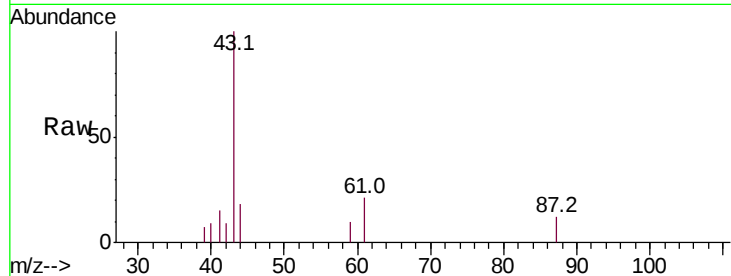
Tot Ion: 43 Resp: 3865

Ion Ratio Lower Upper

43 100

61 16.2 15.5 23.3

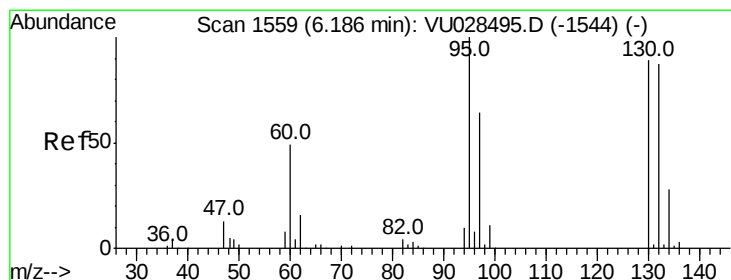
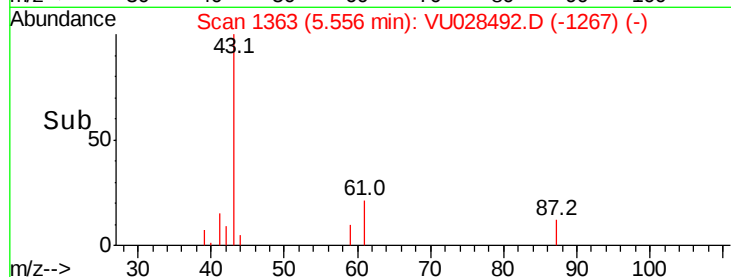
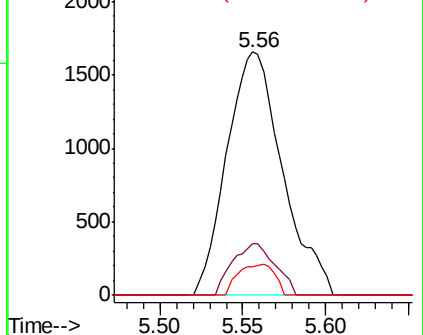
87 8.3 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU028492.D (-1363) (-)

Ion 61.00 (60.70 to 61.70): VU028492.D (-1363) (-)

Ion 87.00 (86.70 to 87.70): VU028492.D (-1363) (-)



#44

Trichloroethene

Concen: 1.011 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028492.D

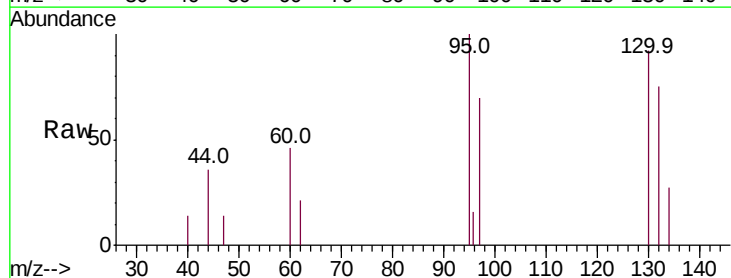
Acq: 06 Dec 2018 11:22

Tgt Ion:130 Resp: 1338

Ion Ratio Lower Upper

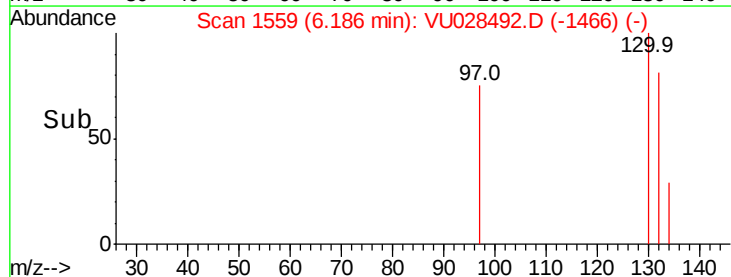
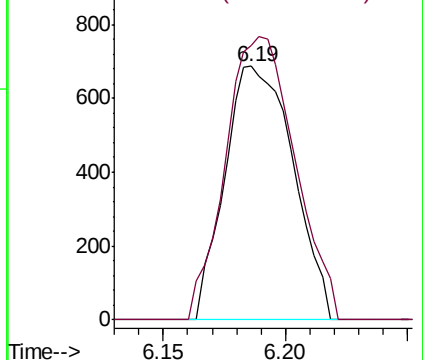
130 100

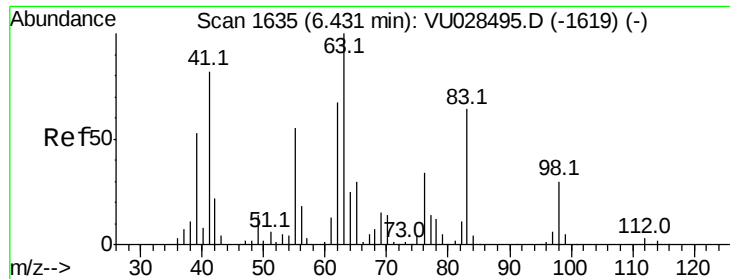
95 108.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028492.D (-1559) (-)

Ion 94.90 (94.60 to 95.60): VU028492.D (-1559) (-)





#45

1,2-Dichloropropane

Concen: 0.902 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

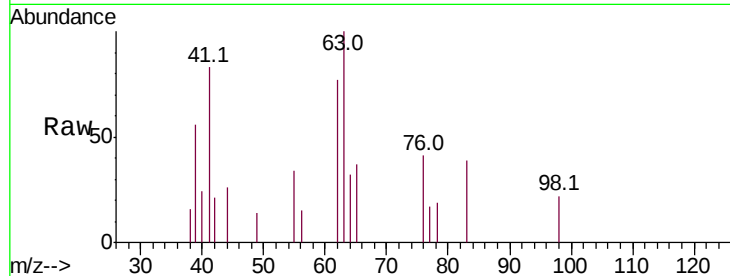
VSTDIC001

Tot Ion: 63 Resp: 1510

Ion Ratio Lower Upper

63 100

65 36.5 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.44

800

600

400

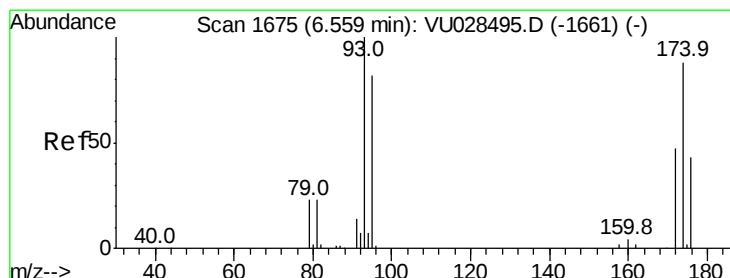
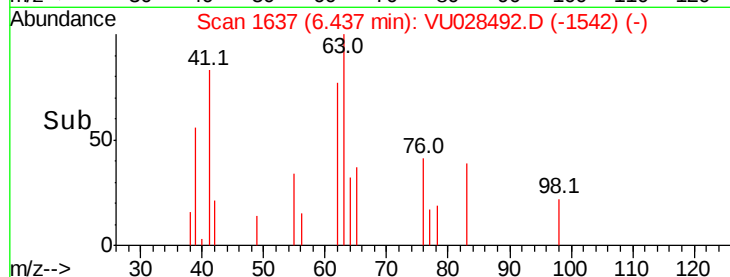
200

0

6.40

6.45

Time-->



#46

Dibromomethane

Concen: 0.985 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

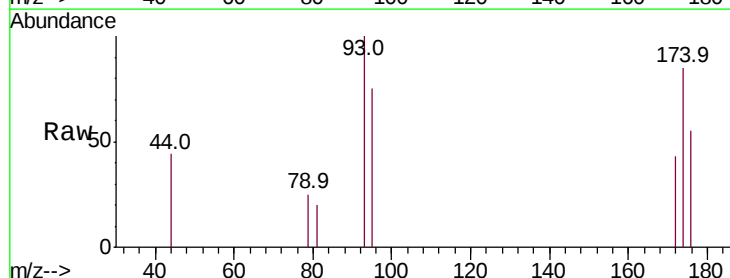
Tgt Ion: 93 Resp: 978

Ion Ratio Lower Upper

93 100

95 77.5 65.4 98.2

174 90.7 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

600

400

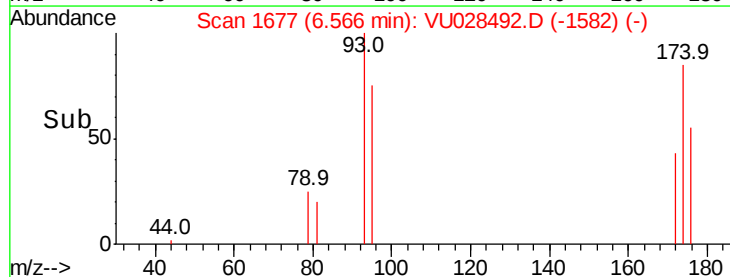
200

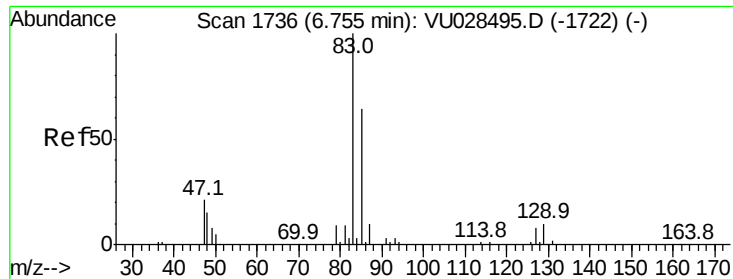
0

6.55

6.60

Time-->





#47

Bromodichloromethane

Concen: 1.010 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

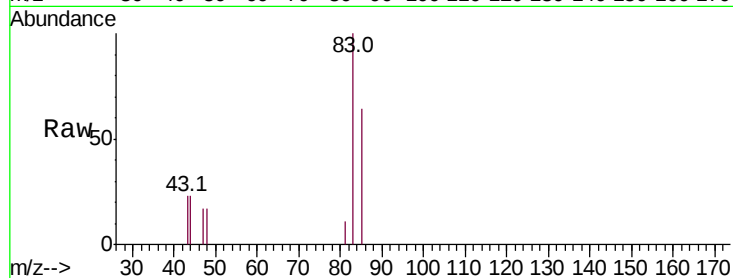
Tot Ion: 83 Resp: 1953

Ion Ratio Lower Upper

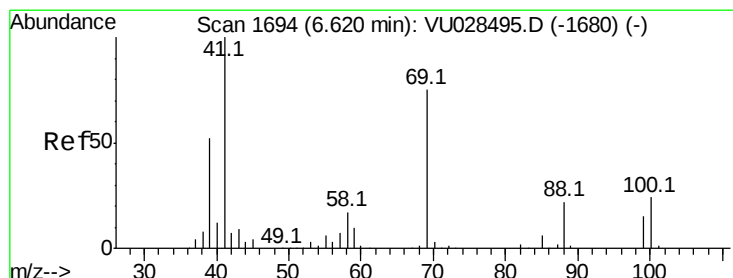
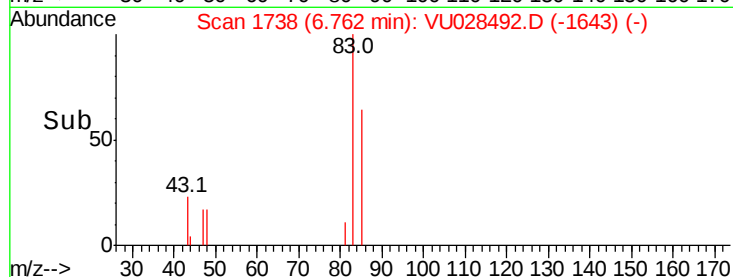
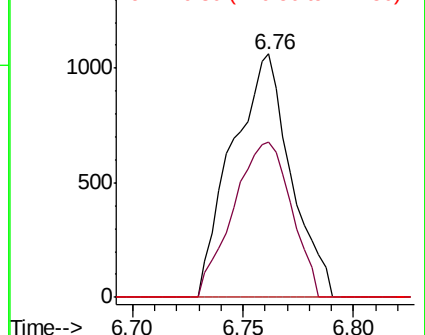
83 100

85 63.7 51.5 77.3

127 0.0 6.2 9.4#



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.893 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

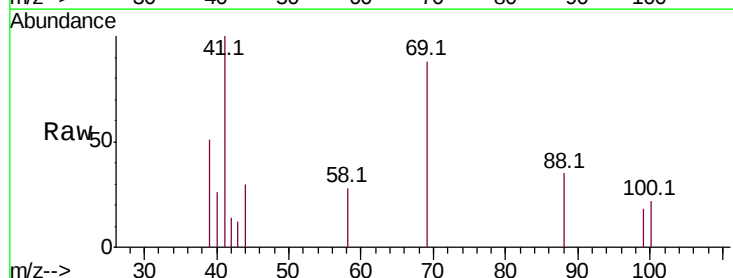
Tgt Ion: 41 Resp: 1835

Ion Ratio Lower Upper

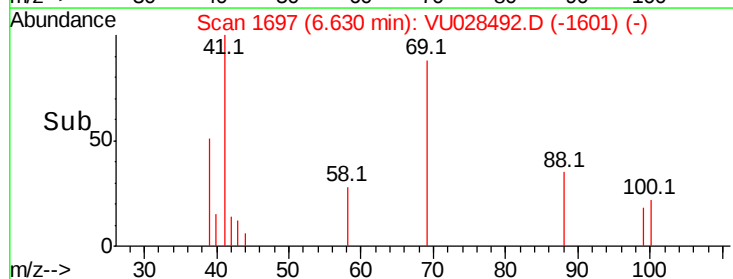
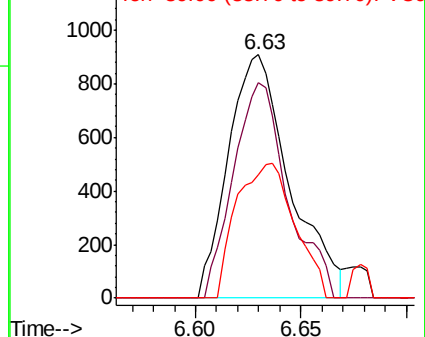
41 100

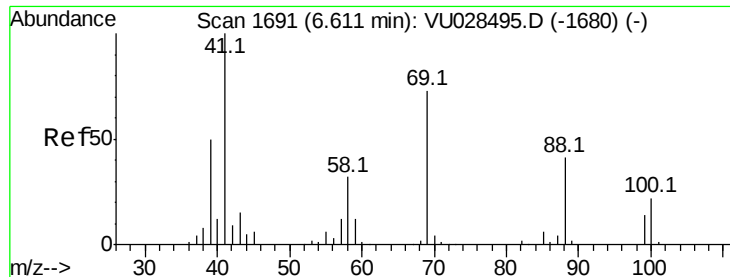
69 78.1 60.4 90.6

39 52.6 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

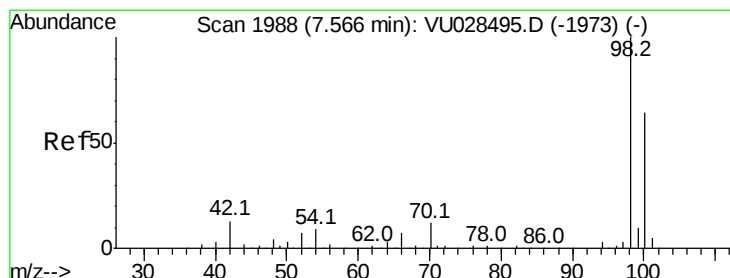
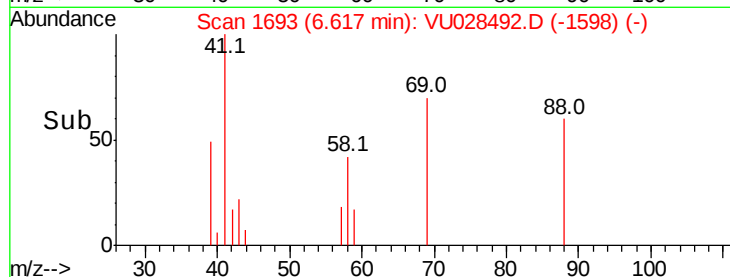
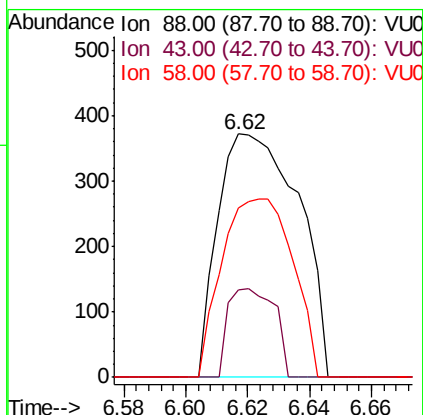
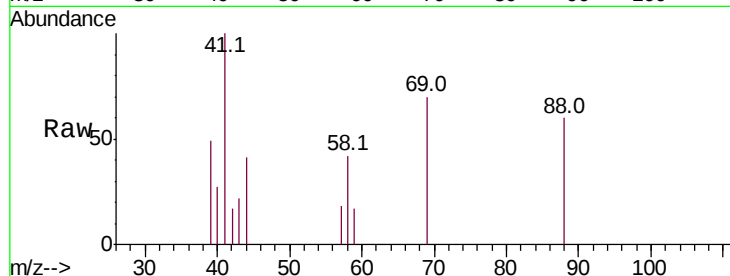




#49
1,4-Dioxane
Concen: 20.828 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

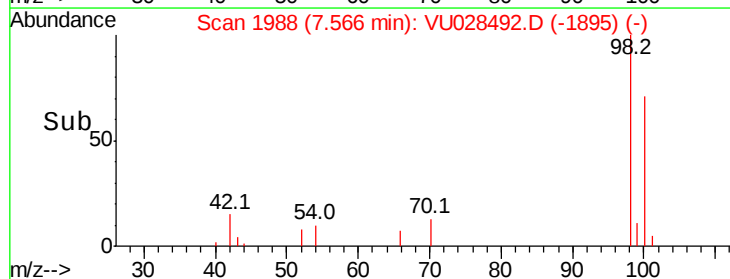
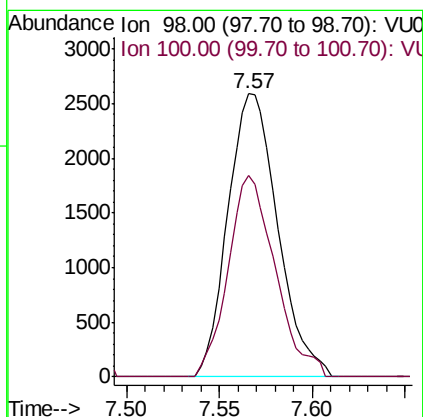
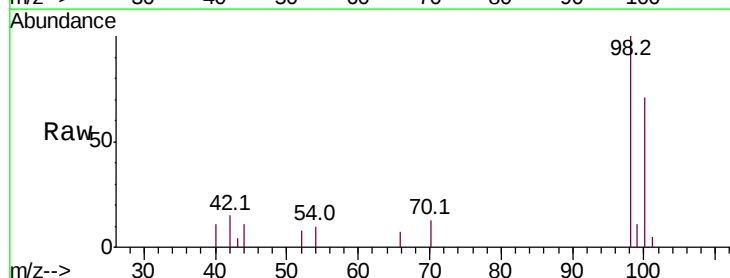
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

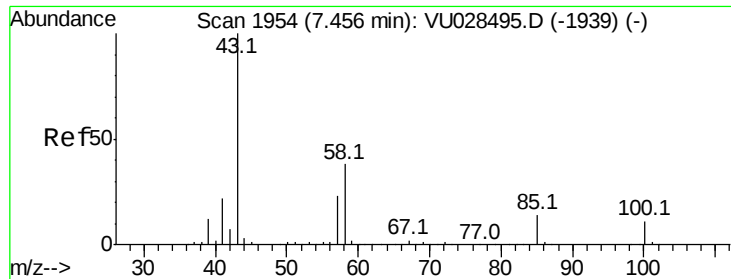
Tot Ion: 88 Resp: 676
Ion Ratio Lower Upper
88 100
43 21.0 30.9 46.3#
58 64.3 62.4 93.6



#50
Toluene-d8
Concen: 1.050 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 98 Resp: 4831
Ion Ratio Lower Upper
98 100
100 67.1 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 4.675 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

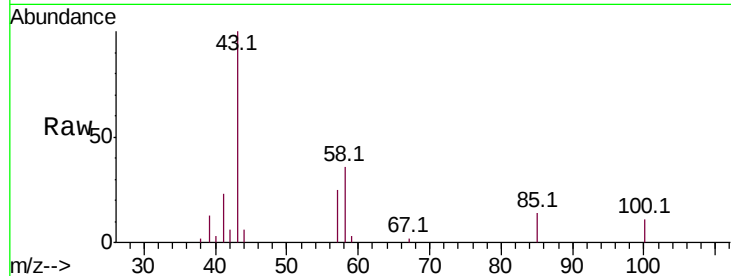
VSTDIC001

Tot Ion: 43 Resp: 12187

Ion Ratio Lower Upper

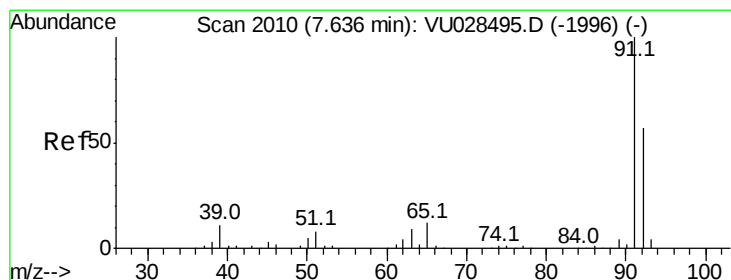
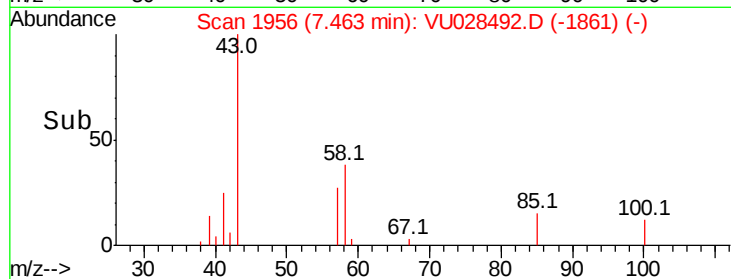
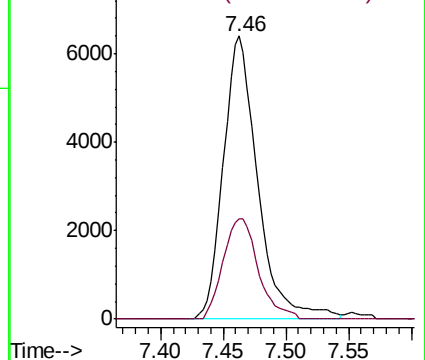
43 100

58 36.1 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 0.969 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028492.D

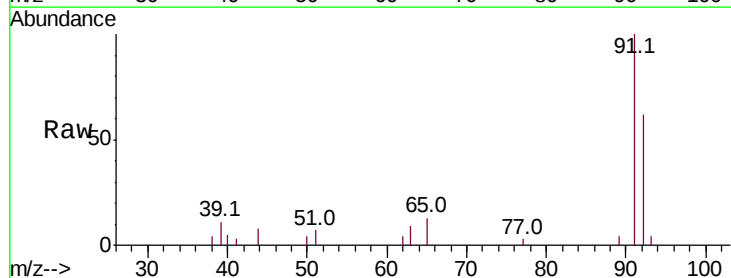
Acq: 06 Dec 2018 11:22

Tgt Ion: 92 Resp: 3396

Ion Ratio Lower Upper

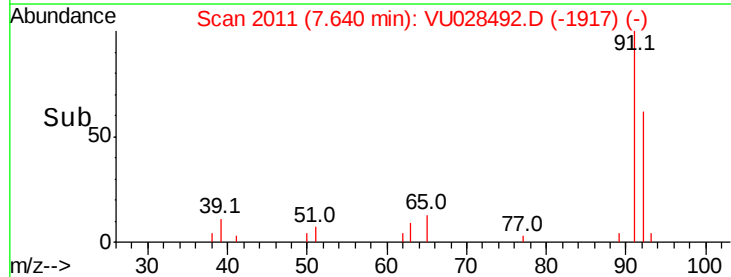
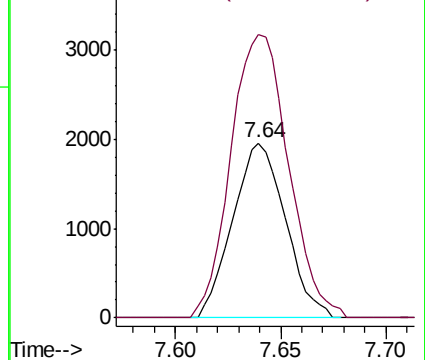
92 100

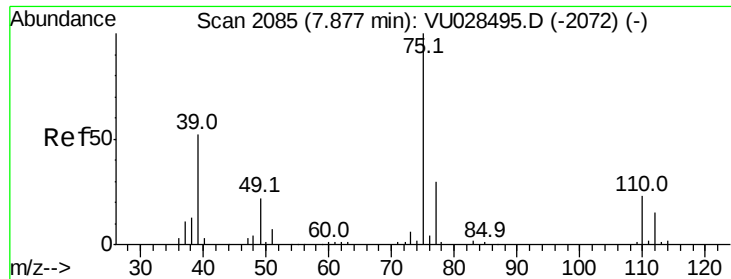
91 177.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

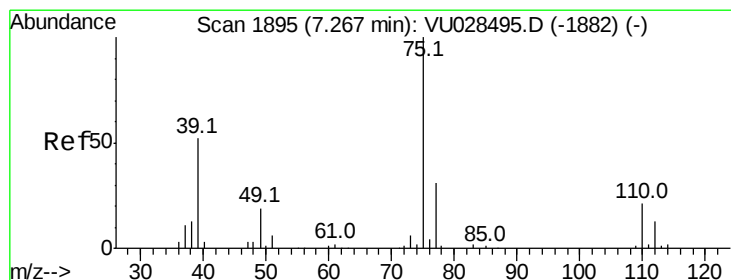
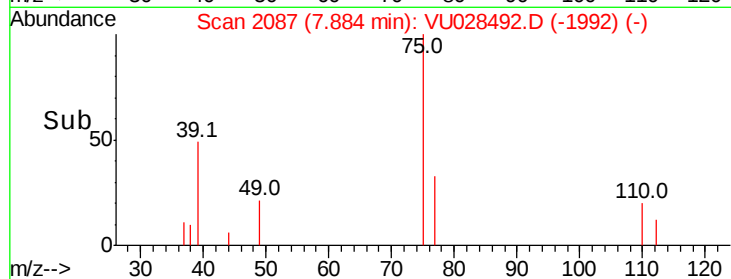
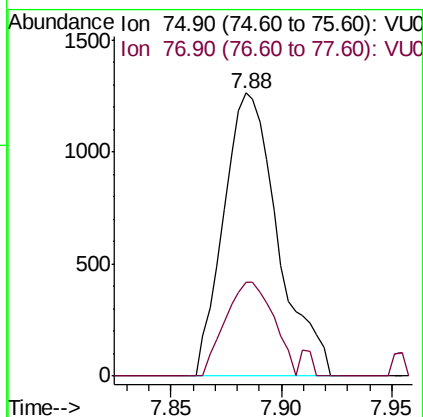
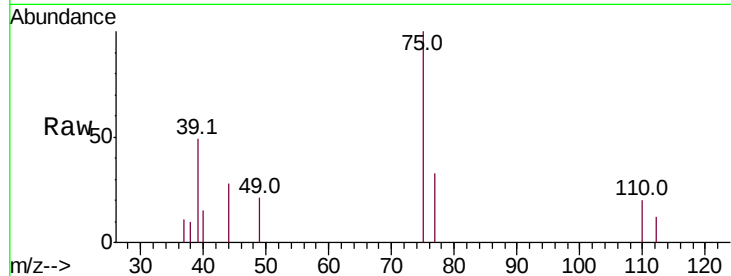




#53
 t-1,3-Dichloropropene
 Concen: 0.936 ug/l
 RT: 7.88 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

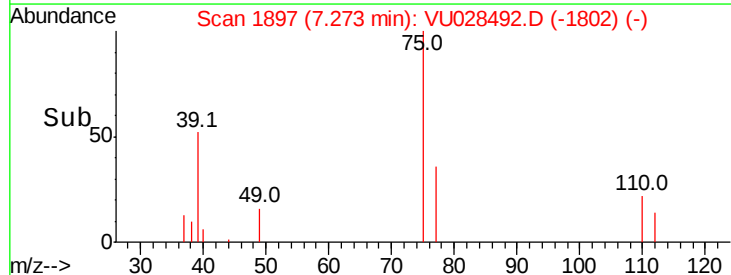
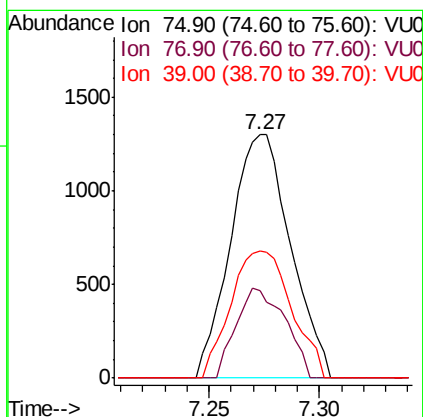
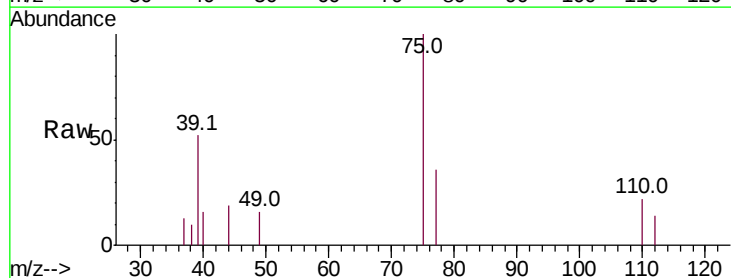
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

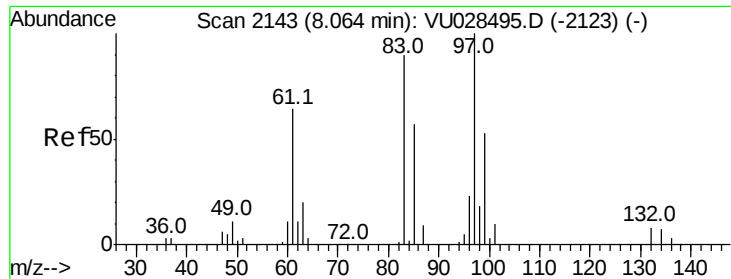
Tot Ion: 75 Resp: 2156
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 0.981 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 75 Resp: 2451
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.0 37.4
 39 52.1 41.3 61.9



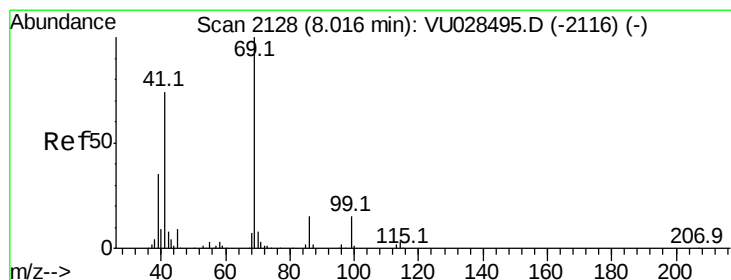
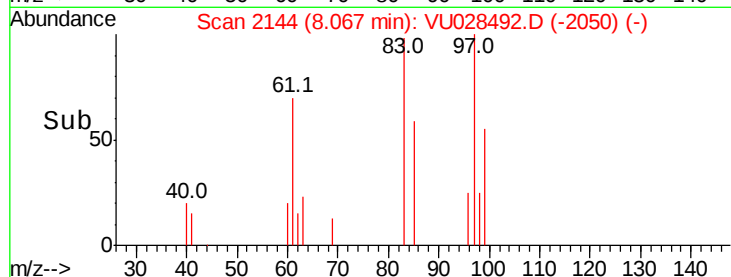
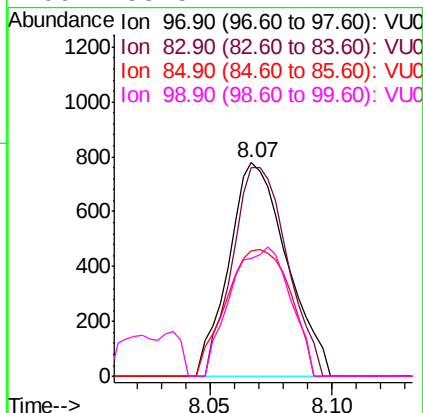
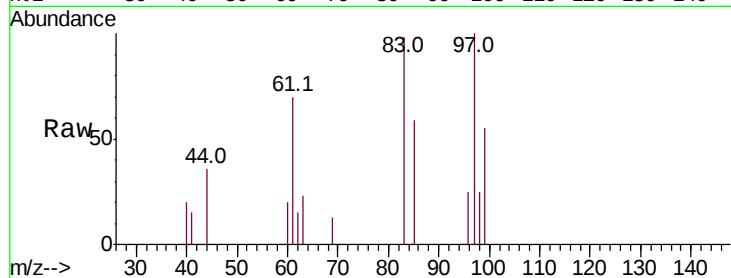


#55
 1,1,2-Trichloroethane
 Concen: 0.933 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 1292

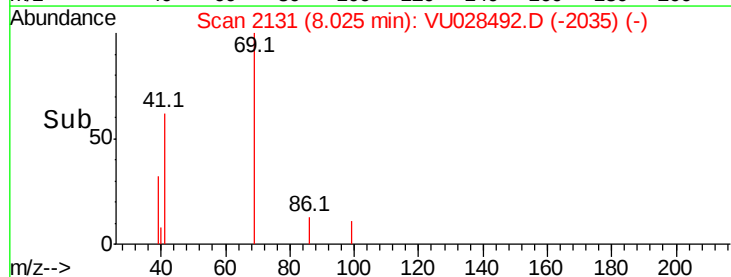
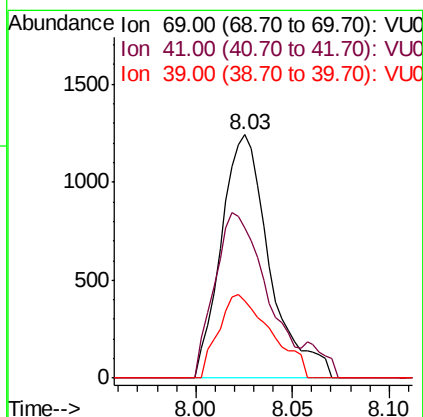
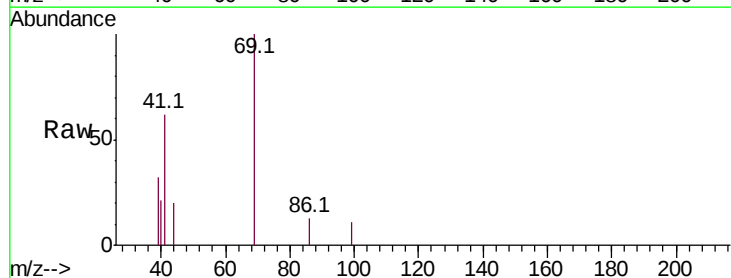
Ion	Ratio	Lower	Upper
97	100		
83	97.8	72.4	108.6
85	58.8	46.0	69.0
99	55.5	47.4	71.2

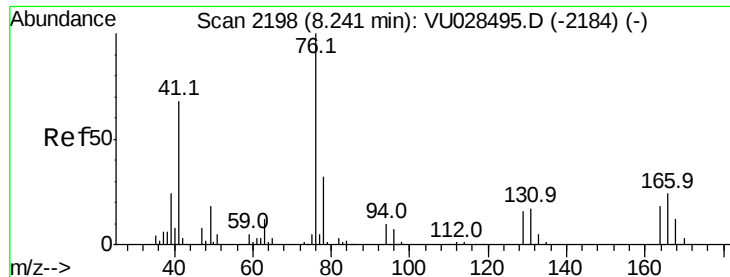


#56
 Ethyl methacrylate
 Concen: 0.910 ug/l
 RT: 8.03 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 69 Resp: 2159

Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.1	88.7
39	37.1	28.4	42.6





#57

1,3-Dichloropropane

Concen: 1.031 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

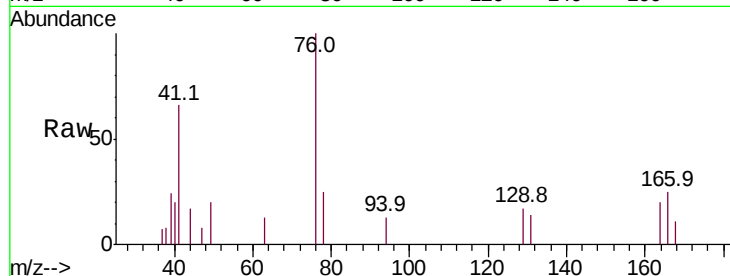
VSTDIC001

Tot Ion: 76 Resp: 2650

Ion Ratio Lower Upper

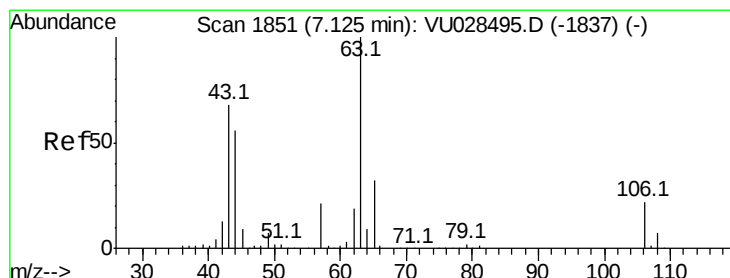
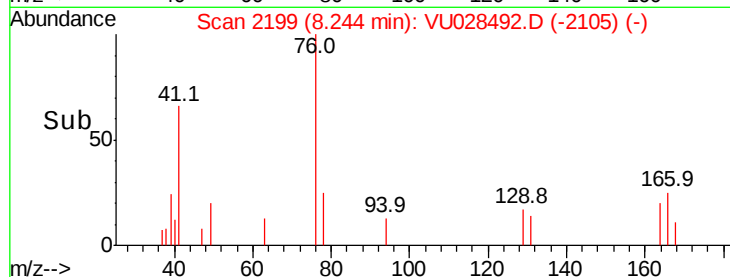
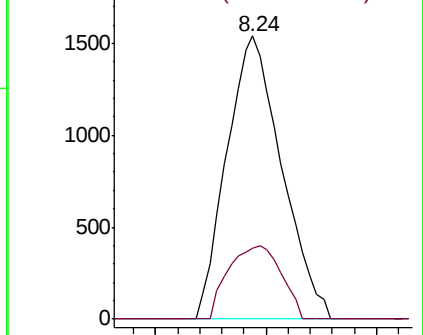
76 100

78 25.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 4.414 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VU028492.D

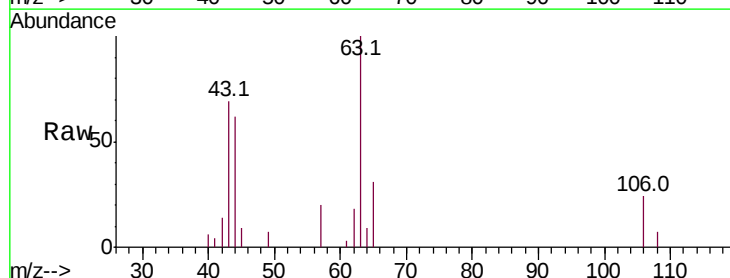
Acq: 06 Dec 2018 11:22

Tgt Ion: 63 Resp: 5362

Ion Ratio Lower Upper

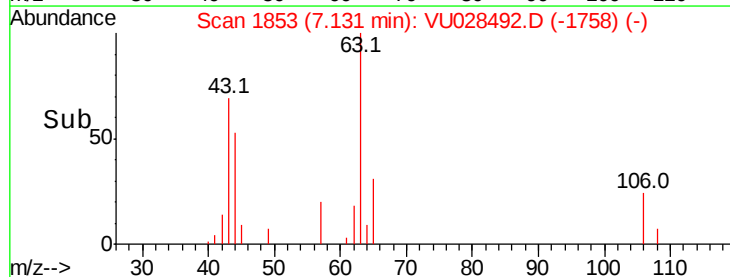
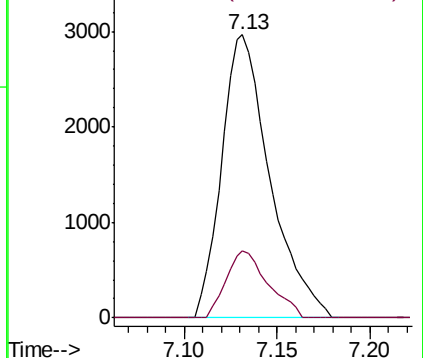
63 100

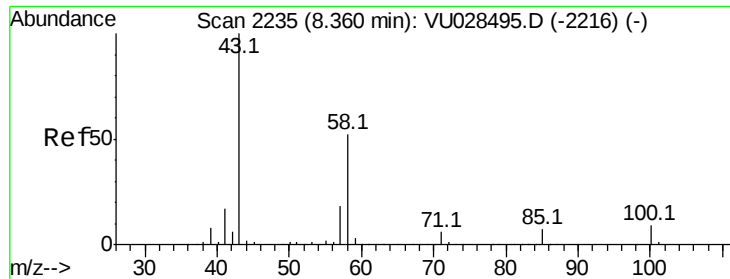
106 20.4 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 4.950 ug/l

RT: 8.37 min Scan# 2237

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

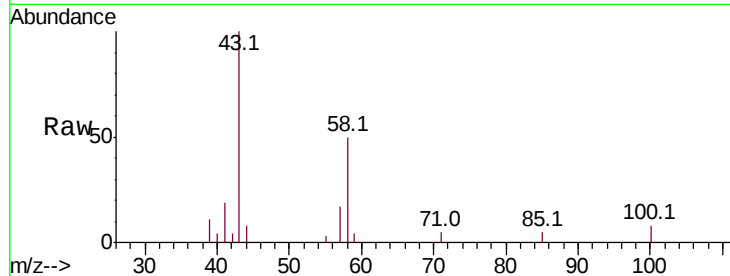
VSTDIC001

Tot Ion: 43 Resp: 10228

Ion Ratio Lower Upper

43 100

58 48.3 25.9 77.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-2216) (-)

8.37

6000

5000

4000

3000

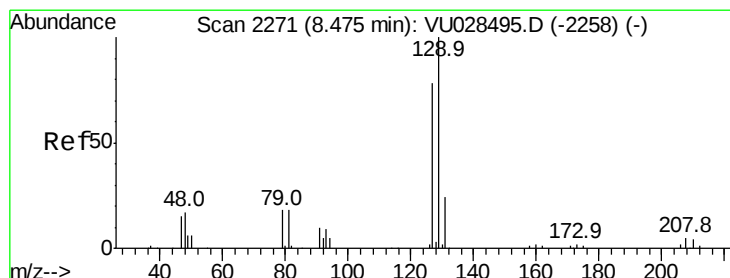
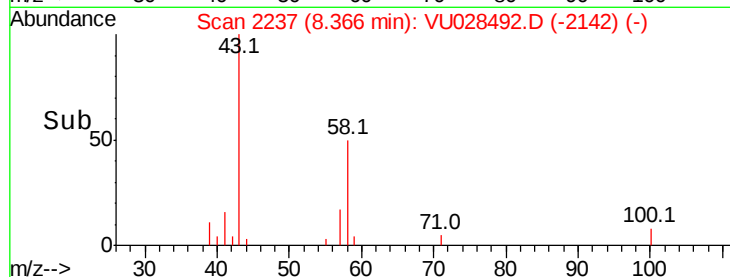
2000

1000

0

8.30 8.35 8.40 8.45 8.50

Time-->



#60

Dibromochloromethane

Concen: 1.038 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028492.D

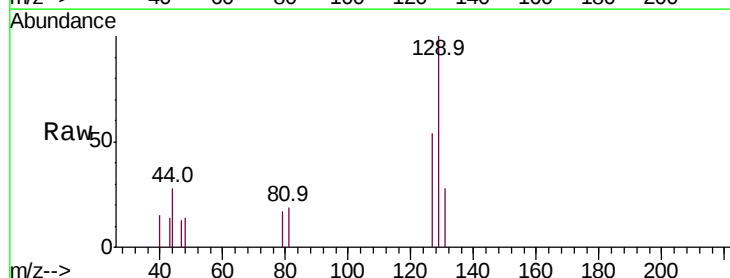
Acq: 06 Dec 2018 11:22

Tgt Ion: 129 Resp: 1408

Ion Ratio Lower Upper

129 100

127 54.8 39.1 117.3



Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)

8.48

1000

800

600

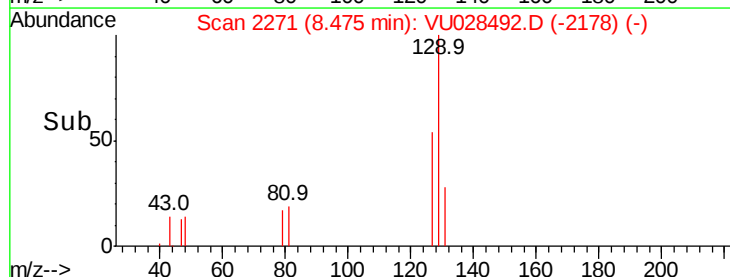
400

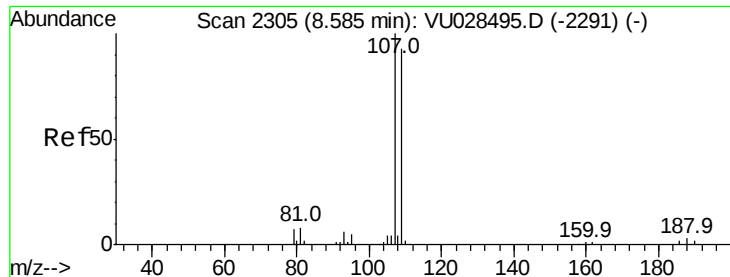
200

0

8.45 8.50

Time-->





#61

1,2-Dibromoethane

Concen: 0.874 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

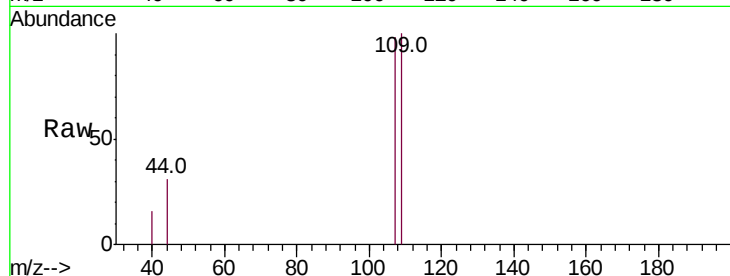
VSTDIC001

Tot Ion:107 Resp: 1269

Ion Ratio Lower Upper

107 100

109 104.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

800

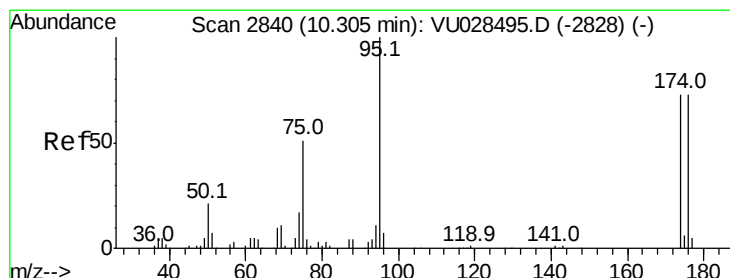
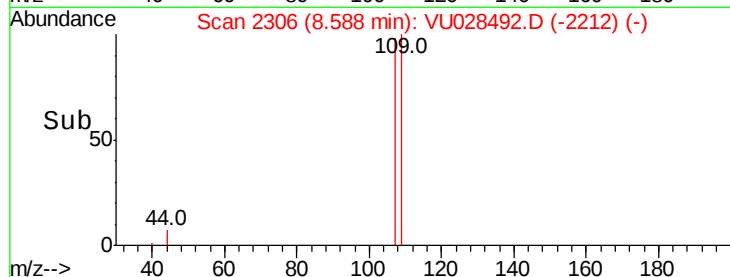
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 1.408 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

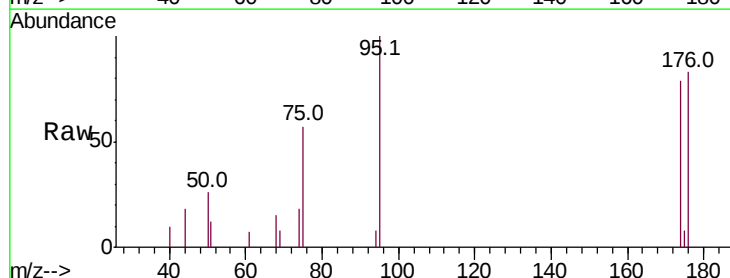
Tgt Ion: 95 Resp: 2420

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

176 76.5 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

2000

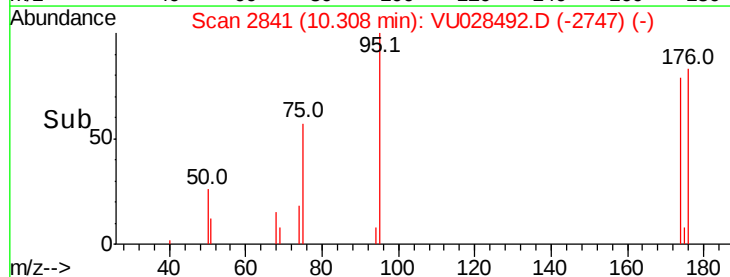
1500

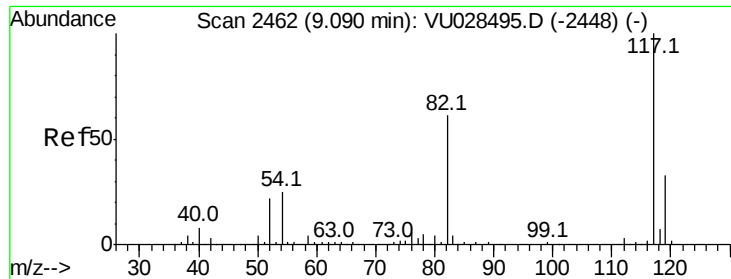
1000

500

0

Time-->

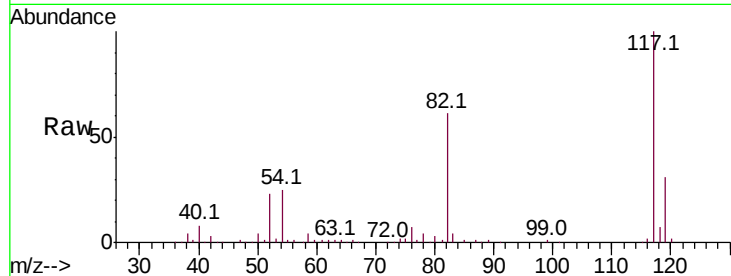




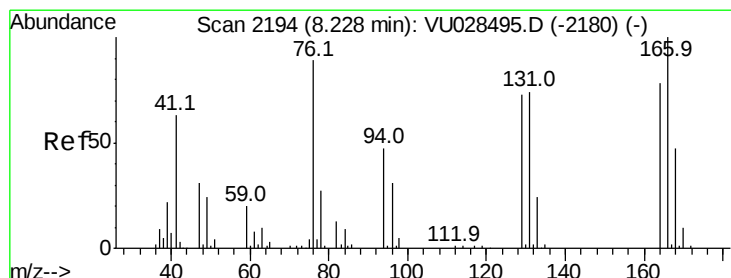
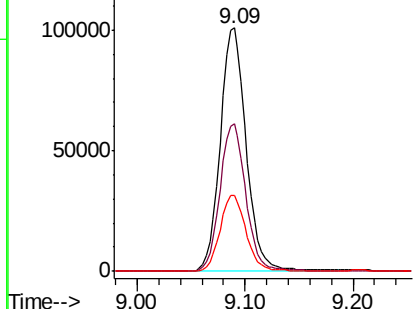
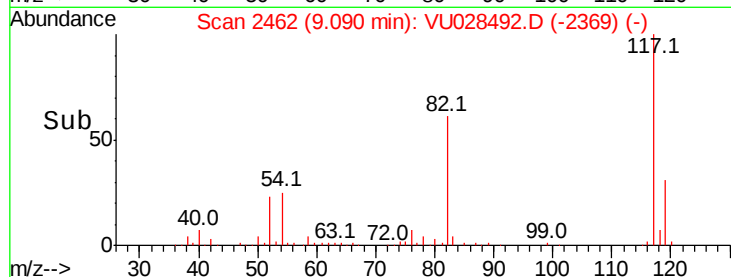
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 168986
Ion Ratio Lower Upper
117 100
82 60.6 48.9 73.3
119 31.2 26.2 39.4

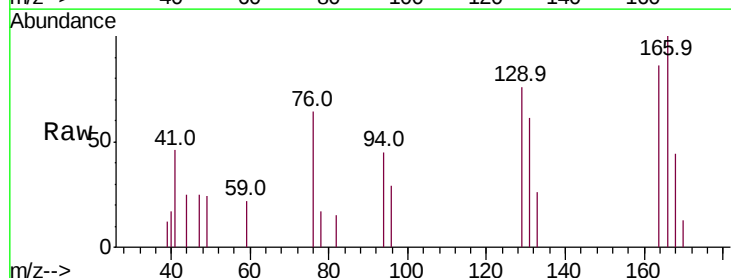


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

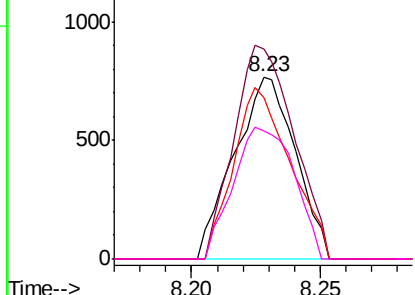
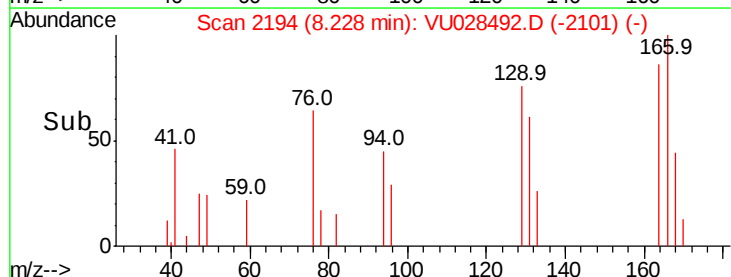


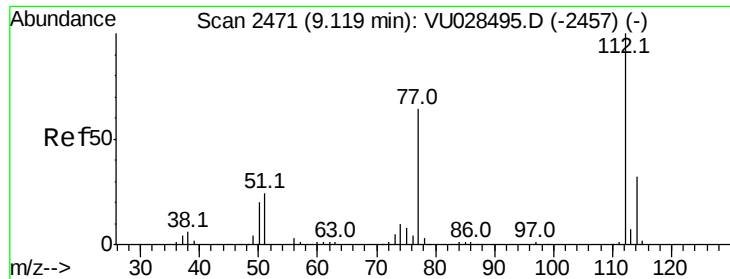
#64
Tetrachloroethene
Concen: 1.124 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:164 Resp: 1267
Ion Ratio Lower Upper
164 100
166 115.8 101.9 152.9
129 88.5 74.9 112.3
131 70.6 75.4 113.0#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

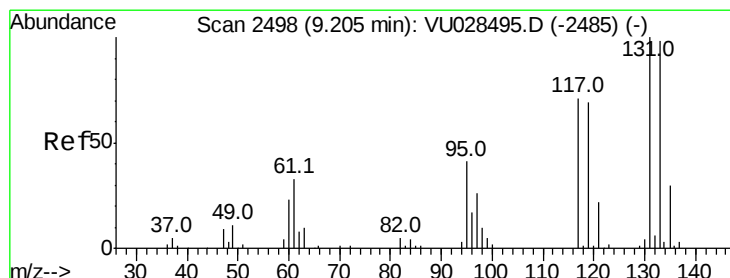
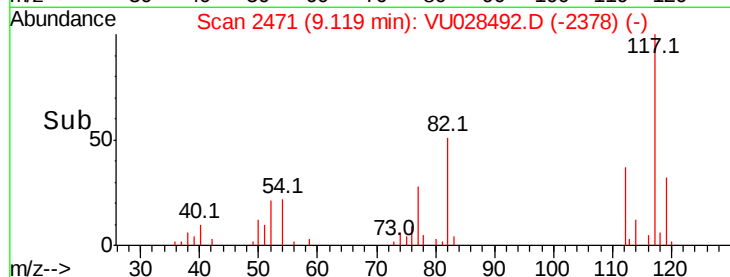
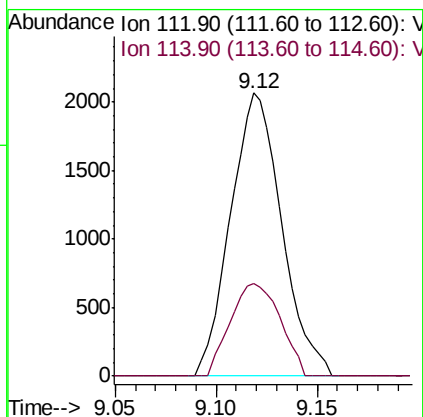
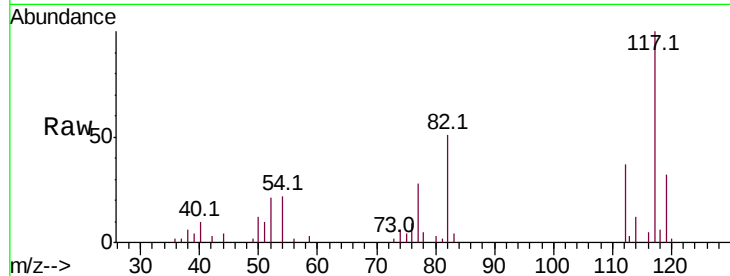




#65
Chlorobenzene
Concen: 1.018 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

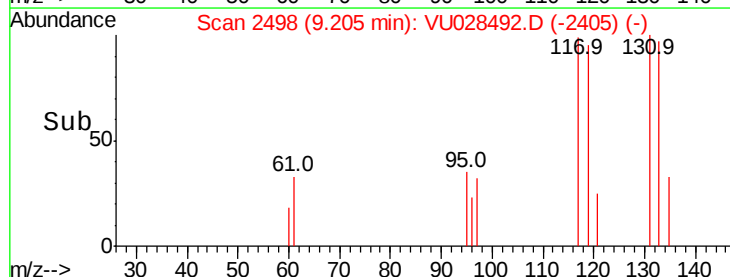
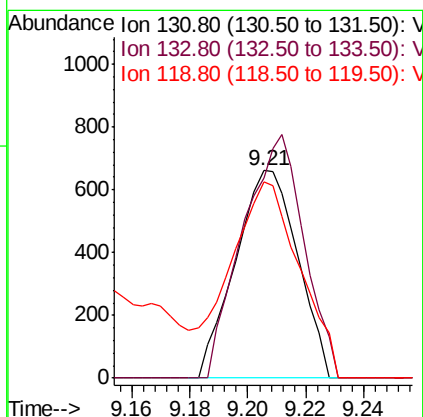
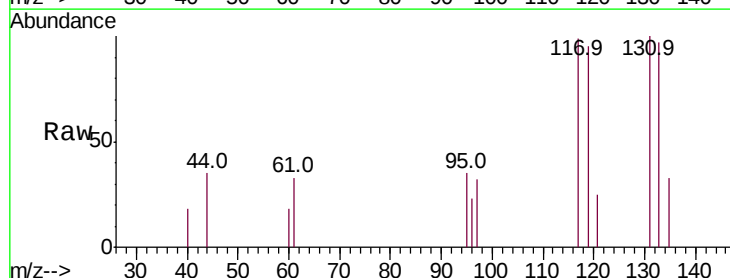
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

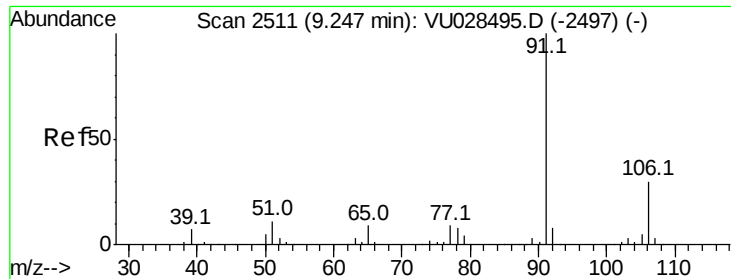
Tot Ion:112 Resp: 3664
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 0.857 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:131 Resp: 986
Ion Ratio Lower Upper
131 100
133 114.9 48.0 144.0
119 0.0 34.6 103.9#

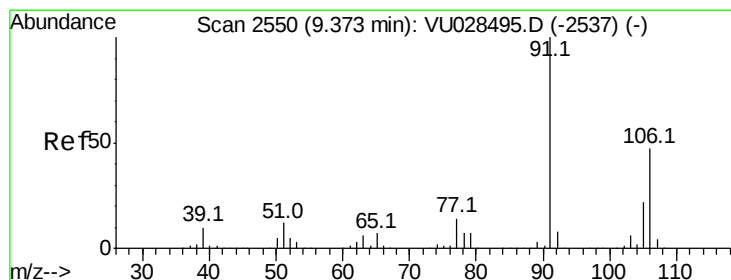
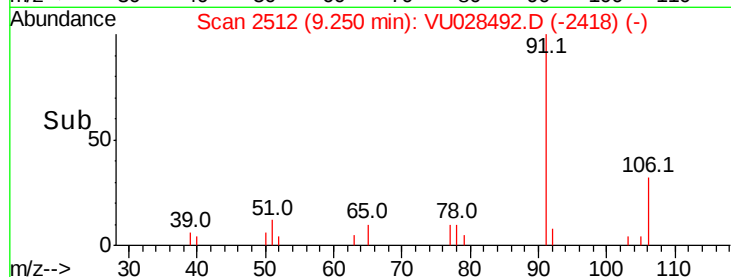
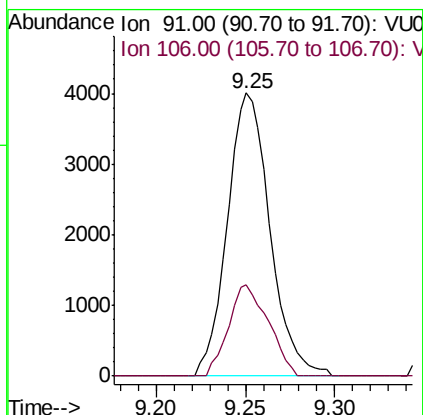
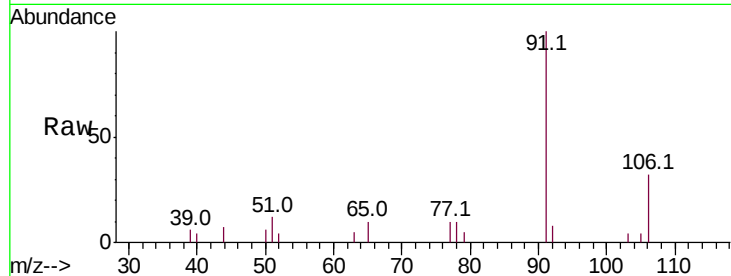




#67
Ethyl Benzene
Concen: 1.004 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

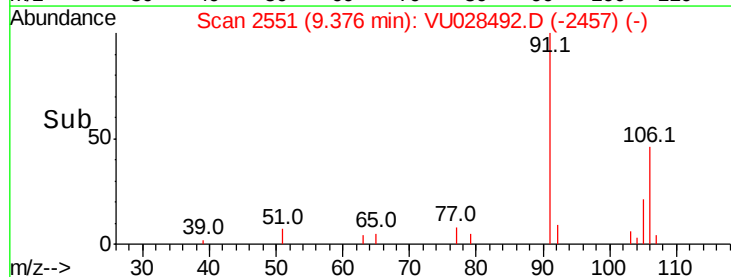
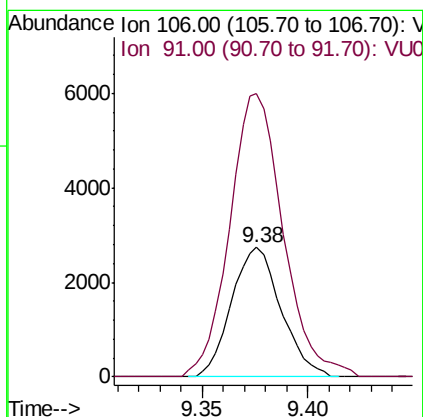
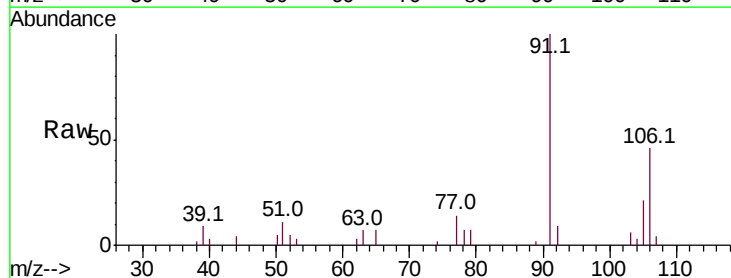
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

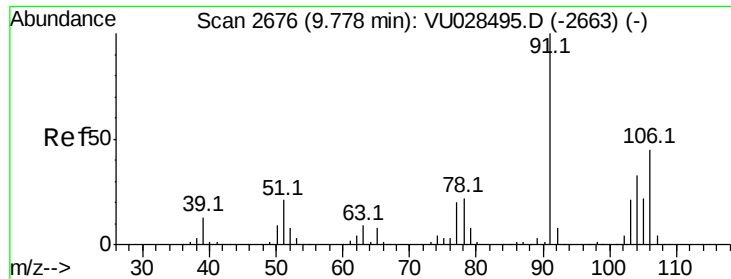
Tot Ion: 91 Resp: 6647
Ion Ratio Lower Upper
91 100
106 32.2 24.1 36.1



#68
m/p-Xylenes
Concen: 1.852 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 106 Resp: 4460
Ion Ratio Lower Upper
106 100
91 236.3 167.4 251.0

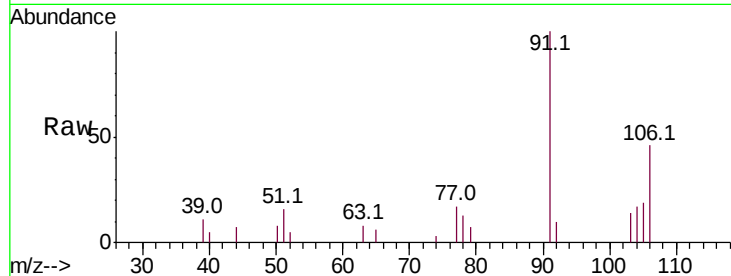




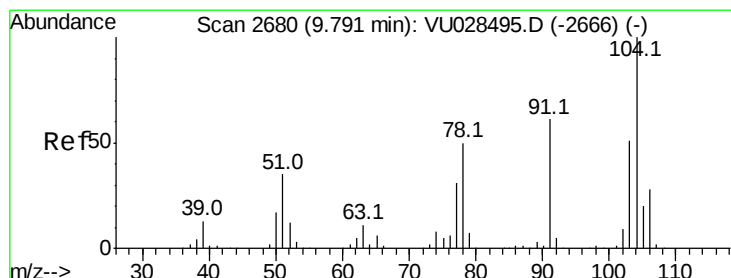
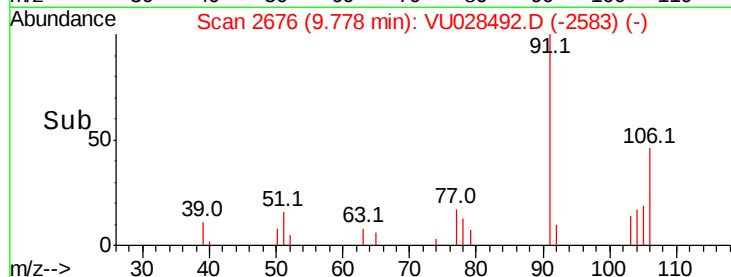
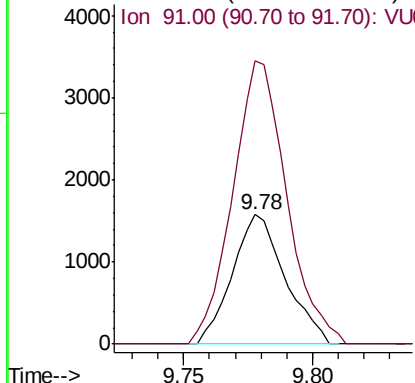
#69
o-Xylene
Concen: 0.960 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 2247
Ion Ratio Lower Upper
106 100
91 222.9 111.3 334.0

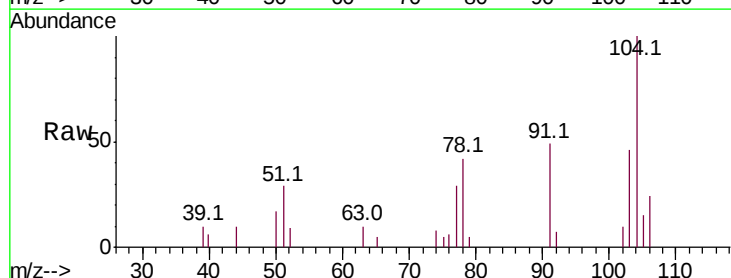


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

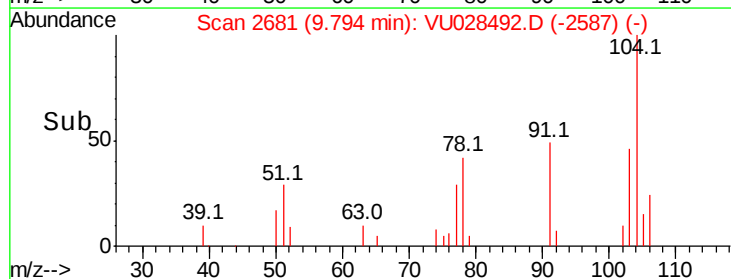
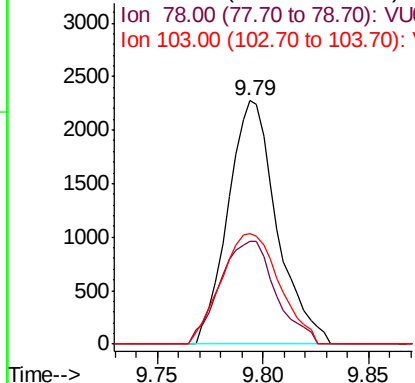


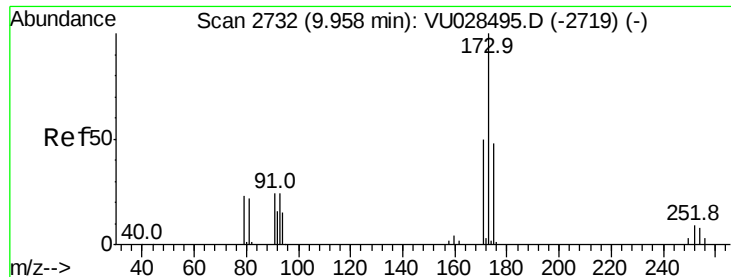
#70
Styrene
Concen: 0.945 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:104 Resp: 3659
Ion Ratio Lower Upper
104 100
78 48.0 43.0 64.6
103 54.2 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

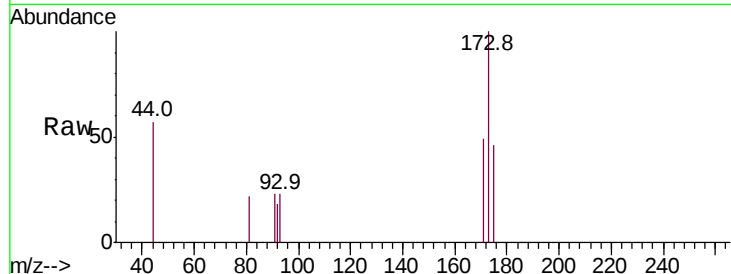




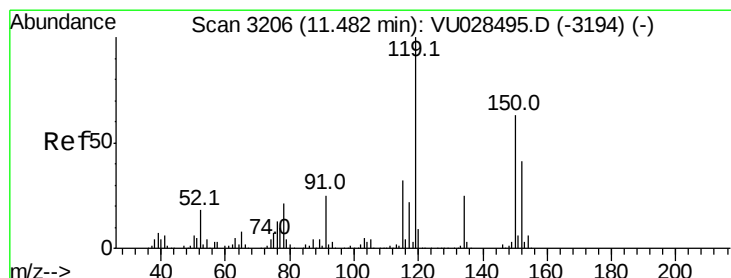
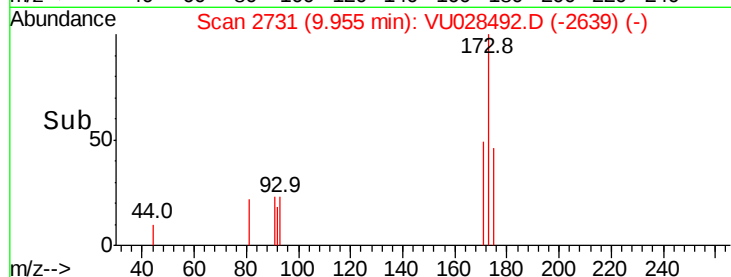
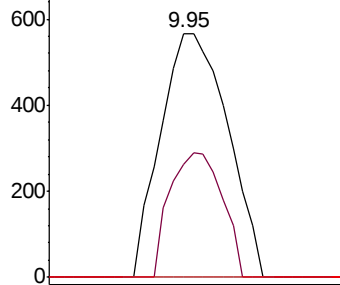
#71
Bromoform
Concen: 0.873 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:173 Resp: 854
Ion Ratio Lower Upper
173 100
175 39.8 23.9 71.8
254 0.0 0.0 0.0

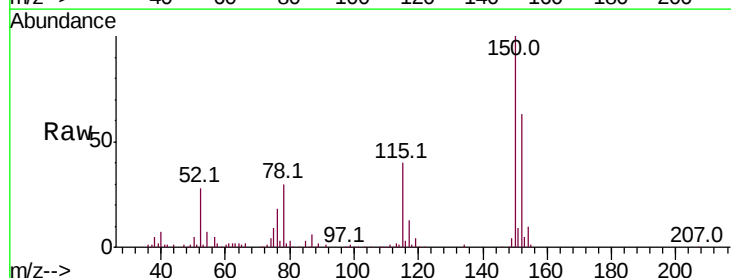


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

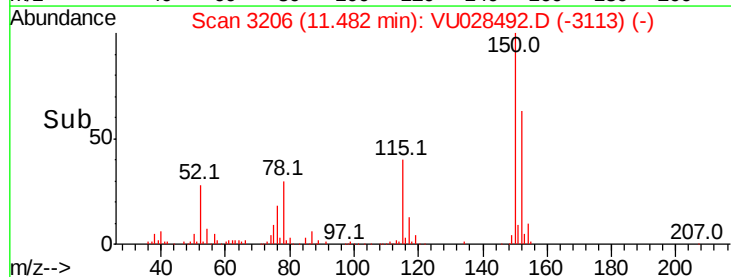
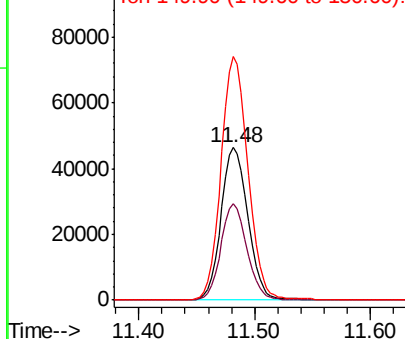


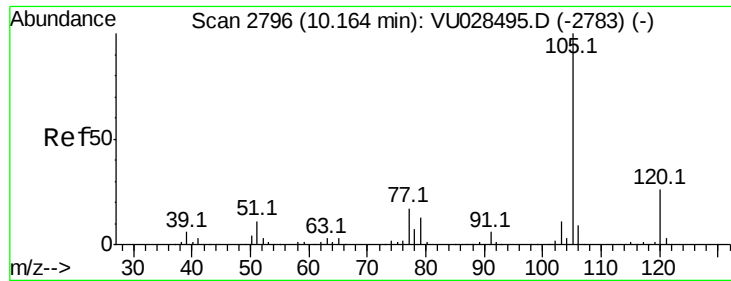
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:152 Resp: 74458
Ion Ratio Lower Upper
152 100
115 61.2 42.7 128.1
150 159.9 0.0 346.0



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





#73

Isopropylbenzene

Concen: 1.111 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

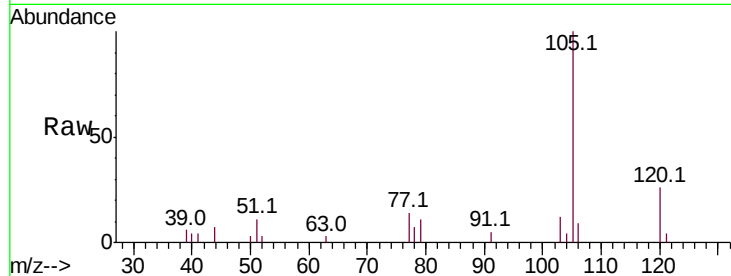
VSTDIC001

Tot Ion:105 Resp: 6346

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

4000

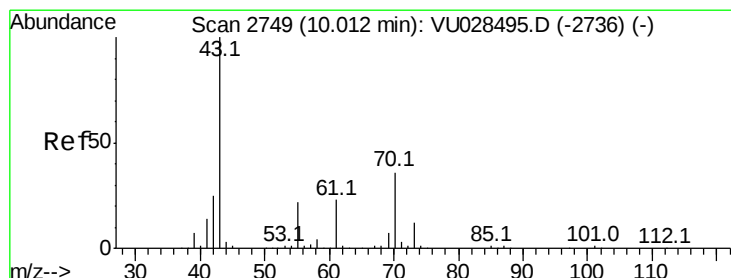
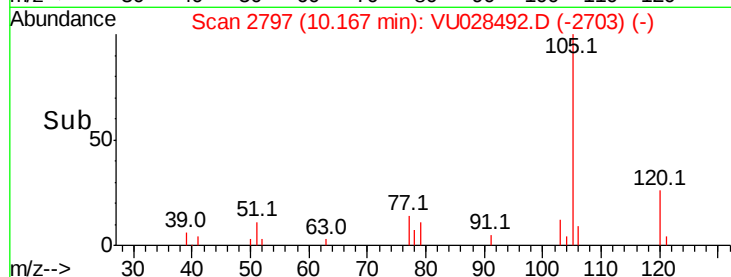
3000

2000

1000

0

Time--> 10.10 10.15 10.20



#74

N-ethyl acetate

Concen: 1.096 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion: 43 Resp: 3613

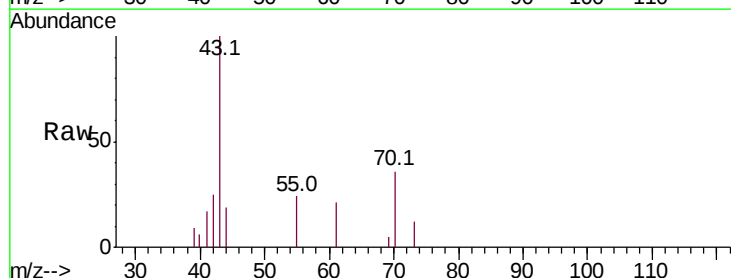
Ion Ratio Lower Upper

43 100

70 31.6 29.3 43.9

55 19.1 18.0 27.0

61 18.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

3000

2500

2000

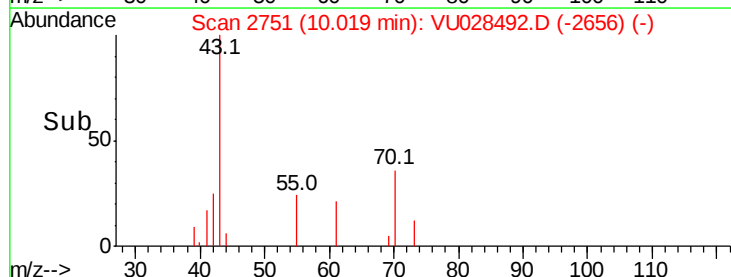
1500

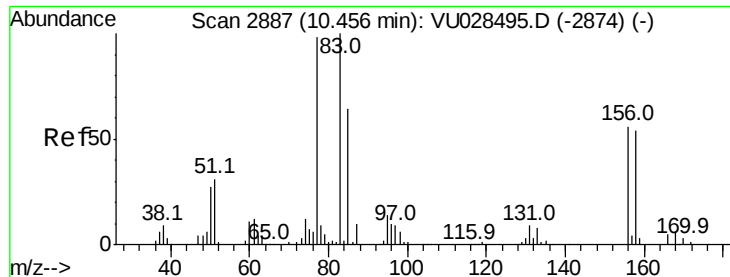
1000

500

0

Time--> 9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.022 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

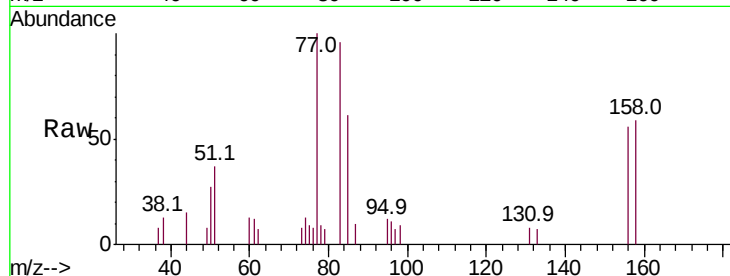
Tot Ion: 83 Resp: 2242

Ion Ratio Lower Upper

83 100

131 5.8 4.2 12.4

85 69.3 31.8 95.4

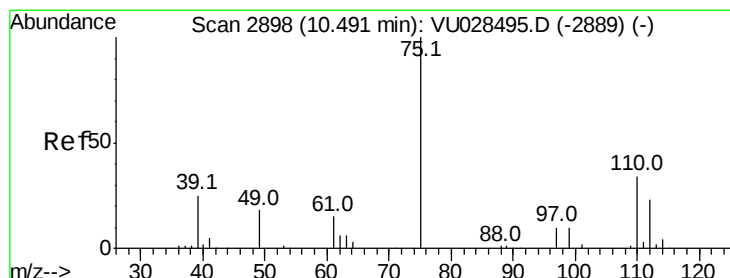
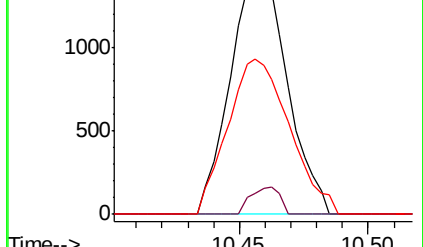
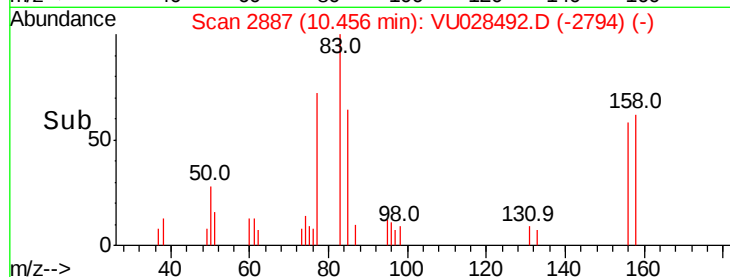


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

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

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 0.302 ug/l

RT: 10.22 min Scan# 2814

Delta R.T. -0.27 min

Lab File: VU028492.D

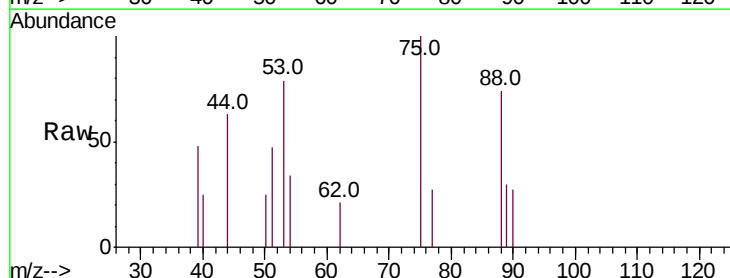
Acq: 06 Dec 2018 11:22

Tgt Ion: 75 Resp: 649

Ion Ratio Lower Upper

75 100

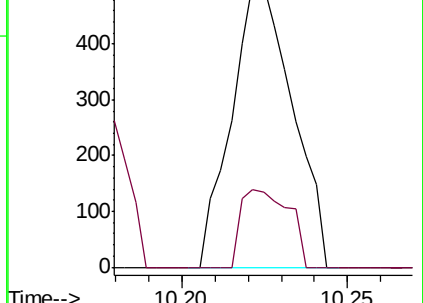
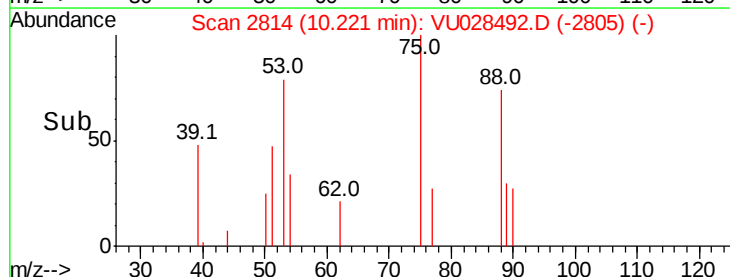
77 21.6 20.8 62.4

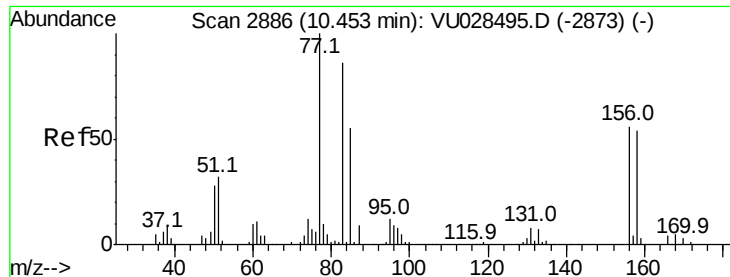


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

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

Time-->





#77

Bromobenzene

Concen: 1.064 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

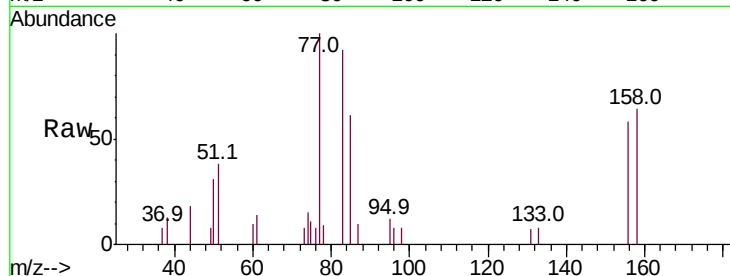
Tot Ion:156 Resp: 1422

Ion Ratio Lower Upper

156 100

77 209.4 92.4 277.2

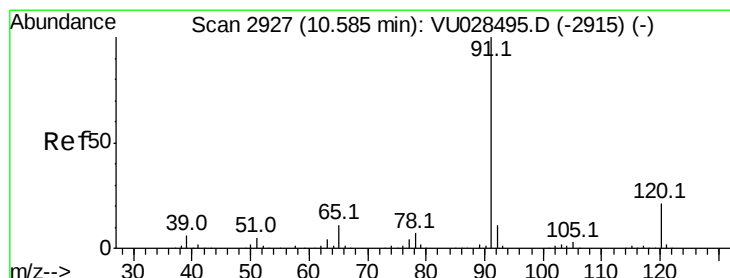
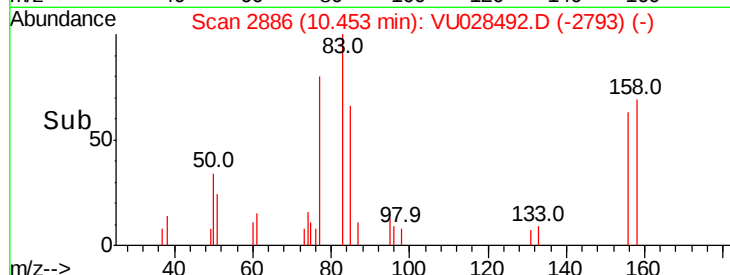
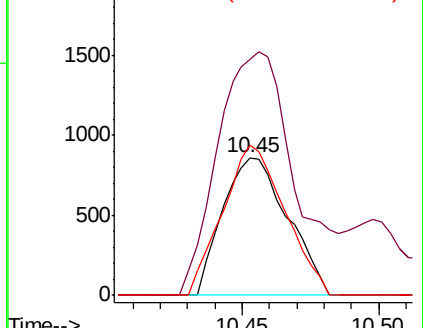
158 104.4 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 1.092 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028492.D

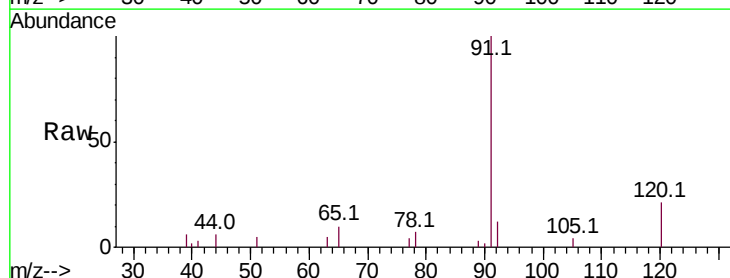
Acq: 06 Dec 2018 11:22

Tgt Ion: 91 Resp: 7751

Ion Ratio Lower Upper

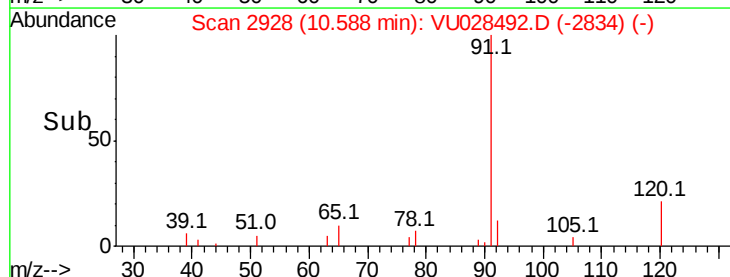
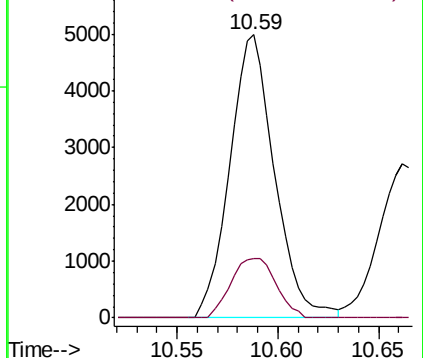
91 100

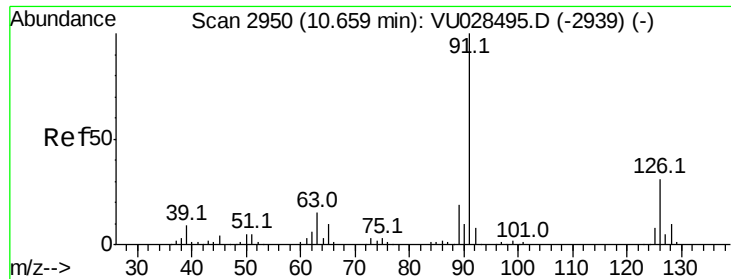
120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V

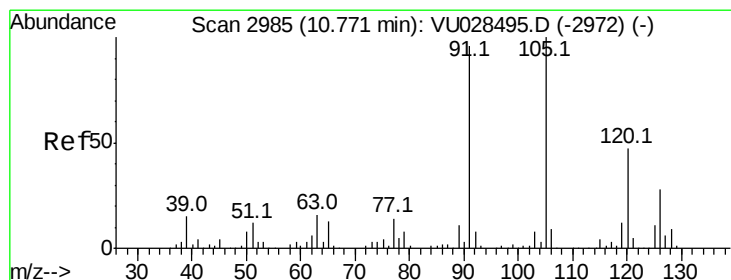
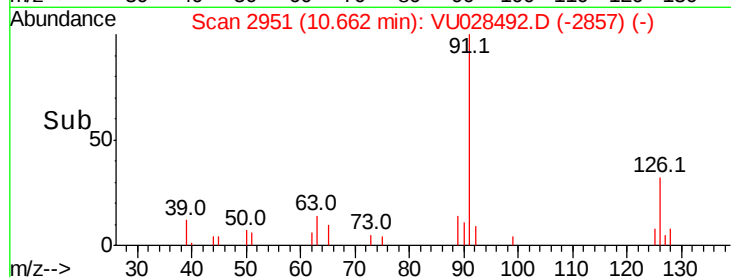
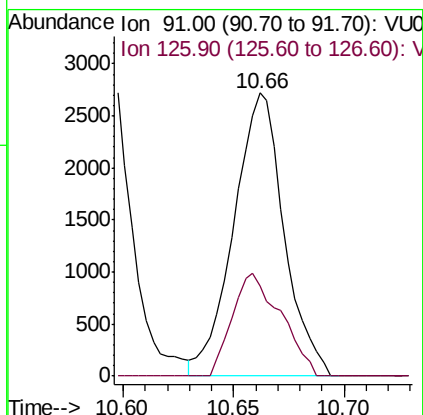
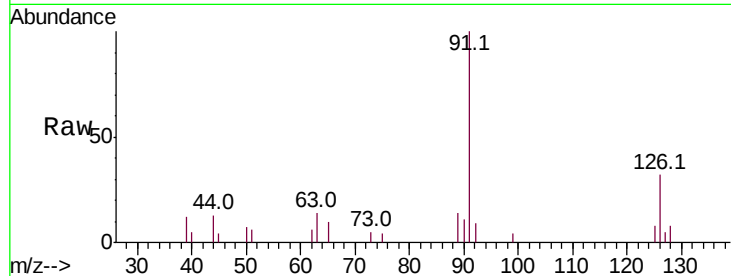




#79
2-Chlorotoluene
Concen: 1.057 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

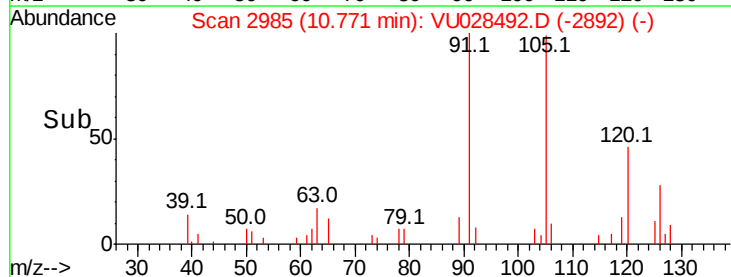
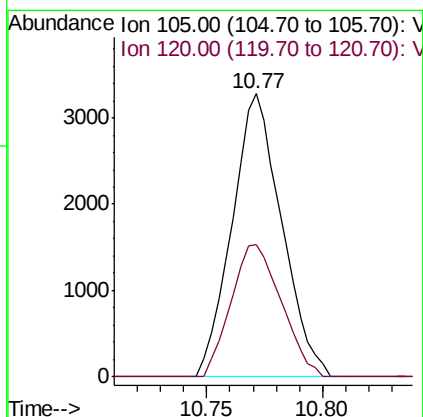
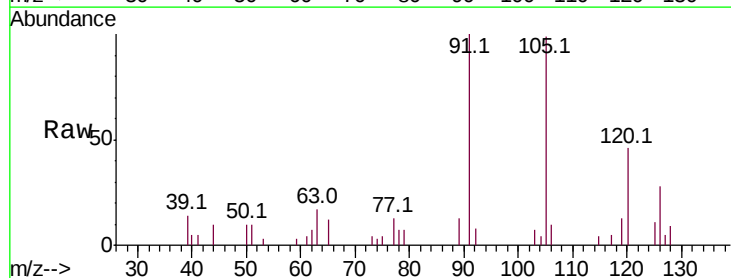
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

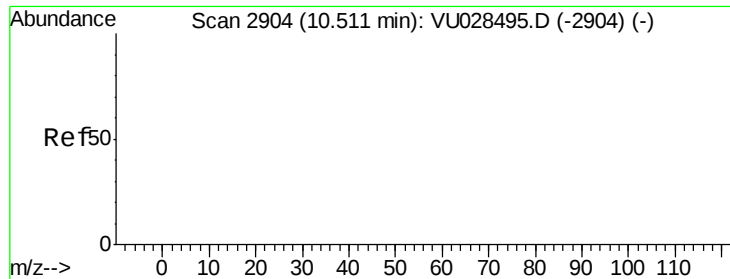
Tot Ion: 91 Resp: 4322
Ion Ratio Lower Upper
91 100
126 35.0 15.6 46.8



#80
1,3,5-Trimethylbenzene
Concen: 1.030 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 105 Resp: 4872
Ion Ratio Lower Upper
105 100
120 47.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 2.984 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

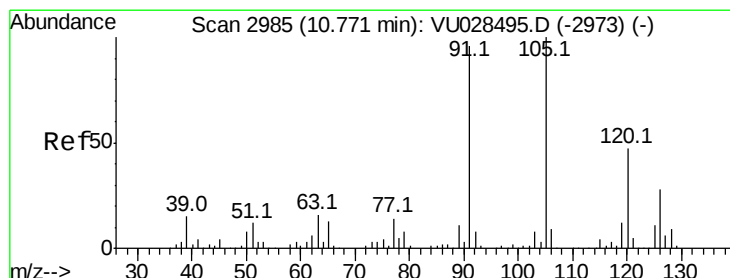
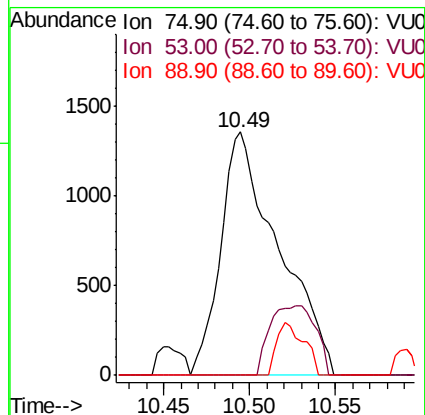
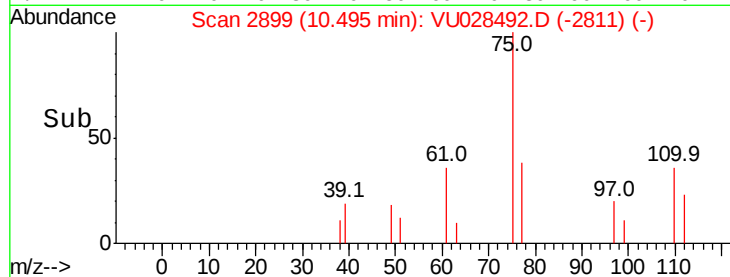
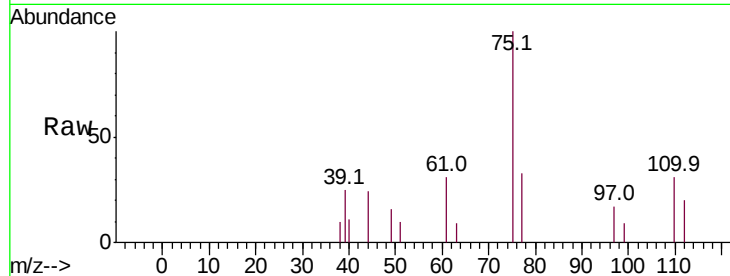
Tot Ion: 75 Resp: 3170

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 1.121 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028492.D

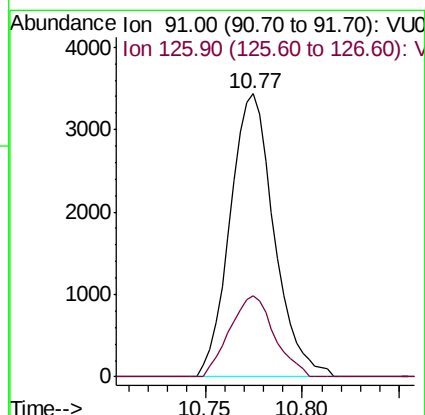
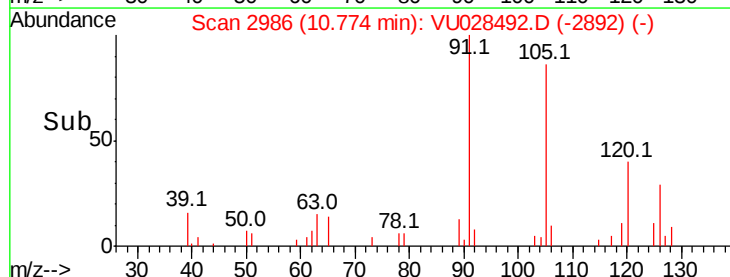
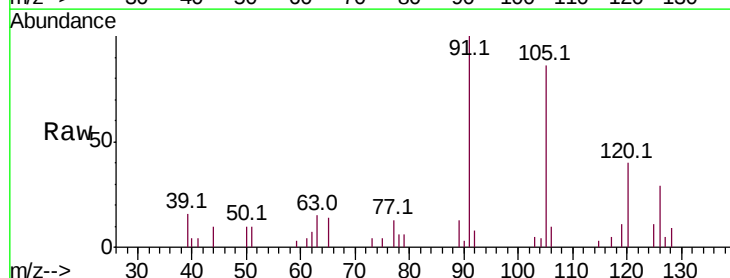
Acq: 06 Dec 2018 11:22

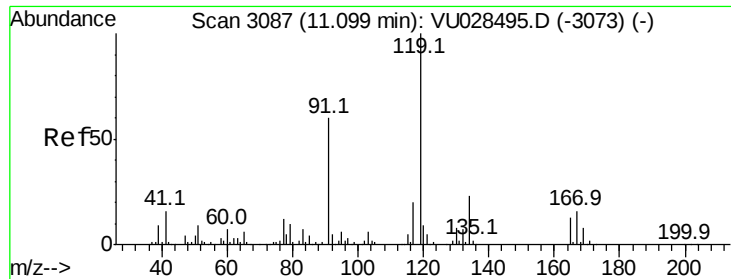
Tgt Ion: 91 Resp: 5433

Ion Ratio Lower Upper

91 100

126 29.2 14.1 42.3

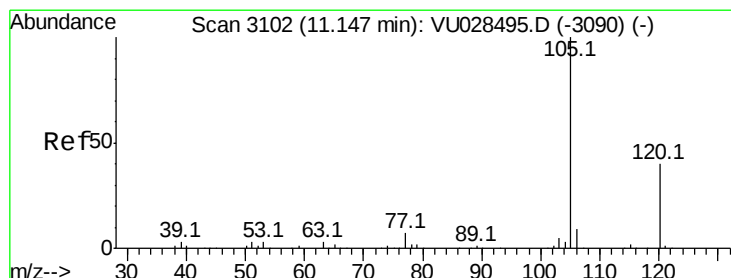
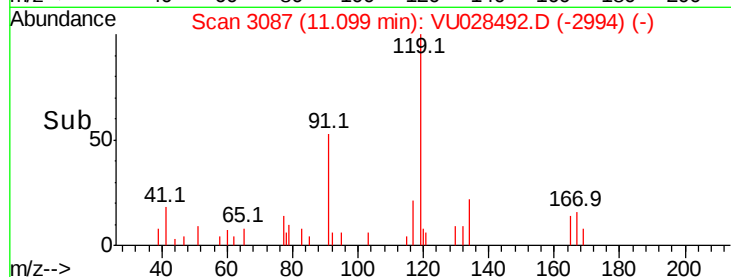
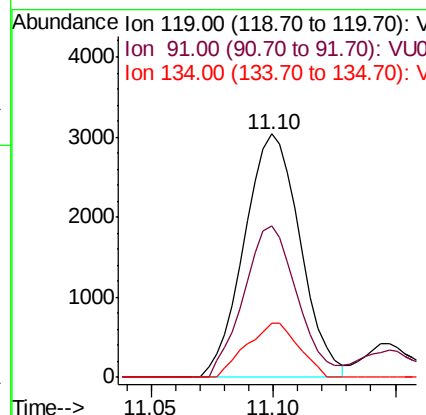
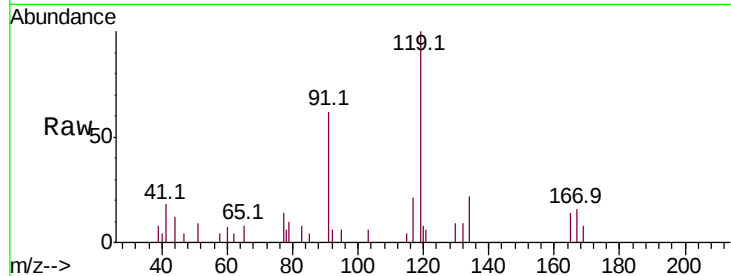




#83
tert-Butylbenzene
Concen: 1.060 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

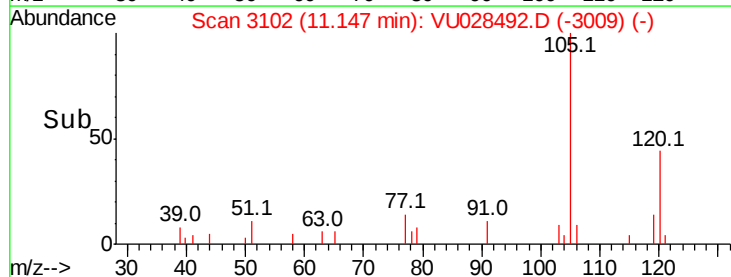
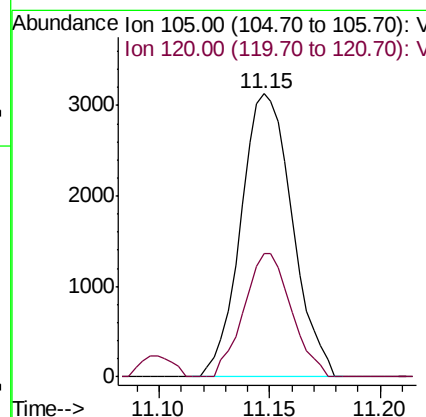
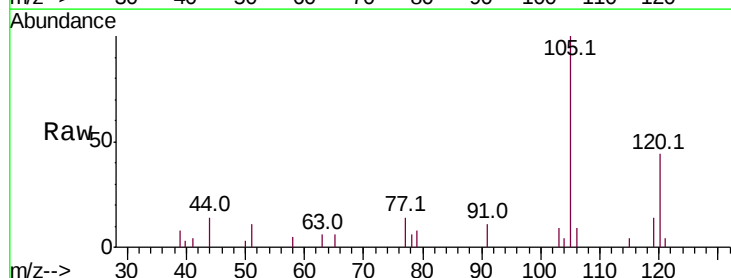
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

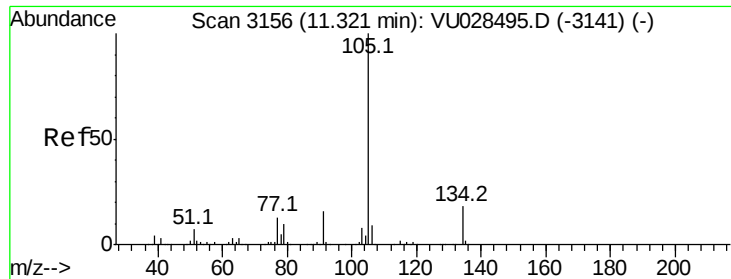
Tot Ion:119 Resp: 4831
Ion Ratio Lower Upper
119 100
91 59.2 30.3 91.0
134 20.7 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 1.039 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:105 Resp: 5062
Ion Ratio Lower Upper
105 100
120 40.2 21.8 65.4

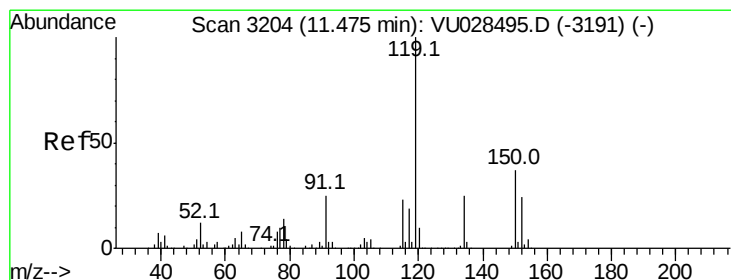
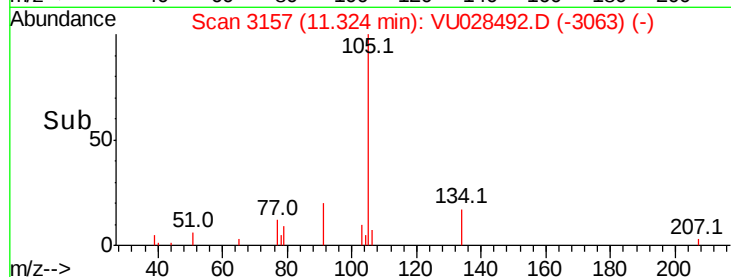
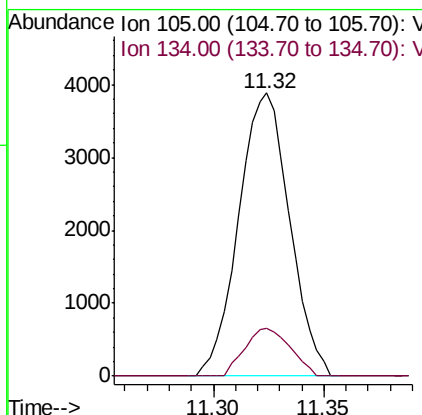
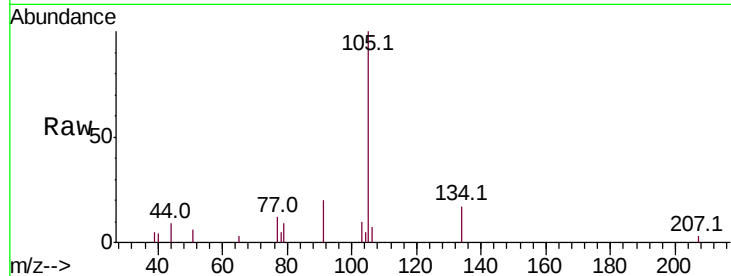




#85
 sec-Butylbenzene
 Concen: 1.062 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

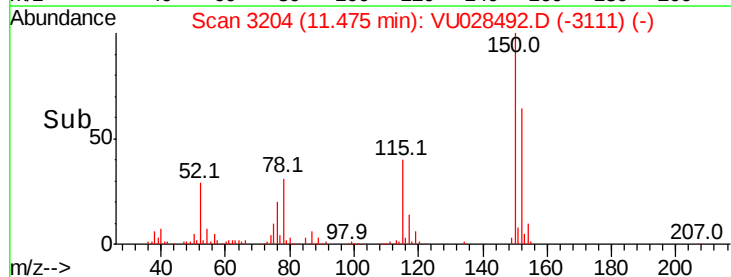
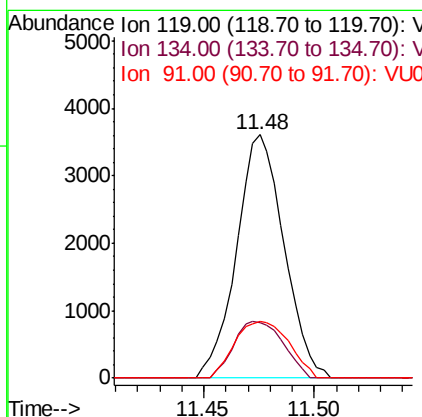
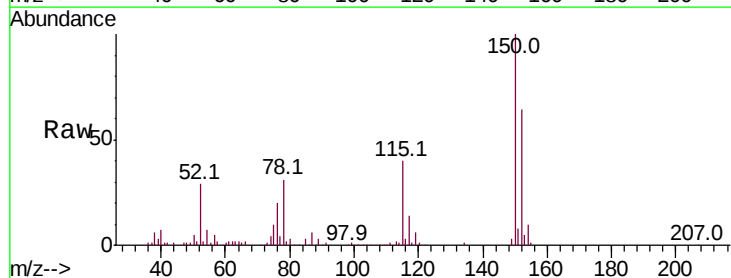
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

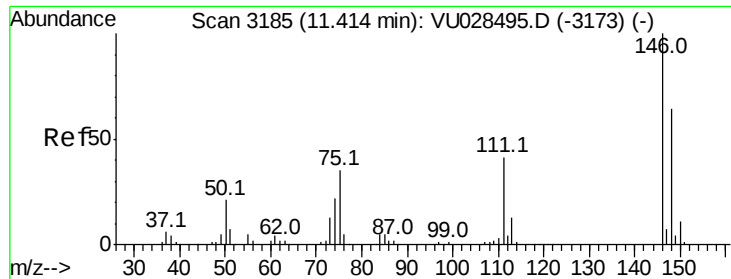
Tot Ion:105 Resp: 6220
 Ion Ratio Lower Upper
 105 100
 134 15.0 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 1.079 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion:119 Resp: 5369
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.7 38.1
 91 26.7 12.6 37.6

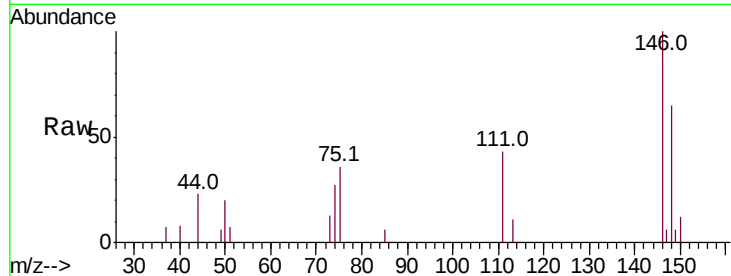




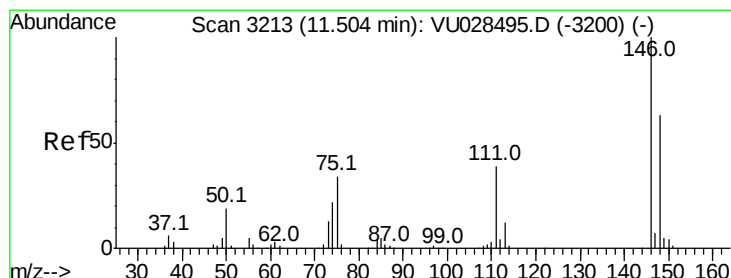
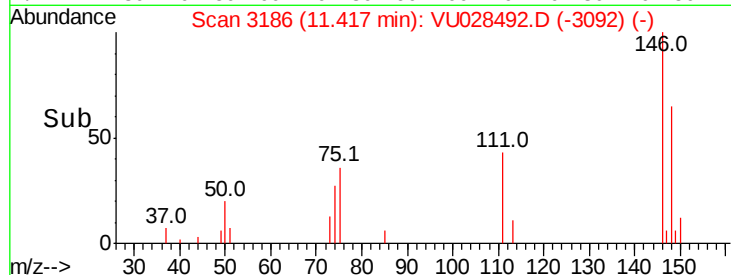
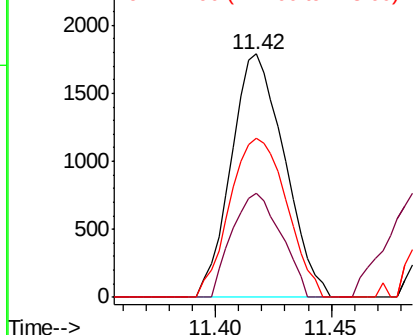
#87
 1,3-Dichlorobenzene
 Concen: 1.130 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 2850
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.7 62.1
 148 70.1 31.9 95.7

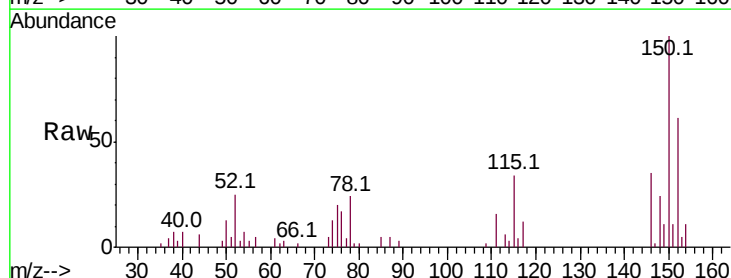


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

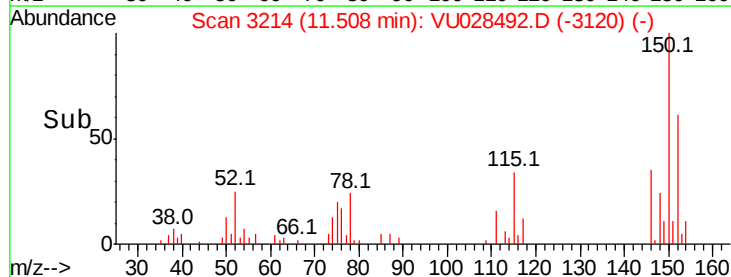
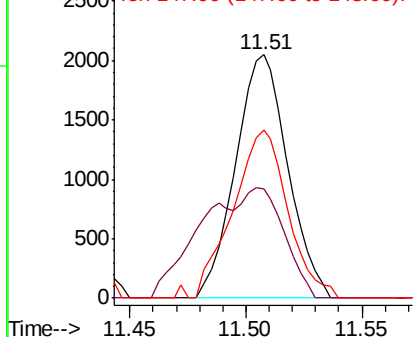


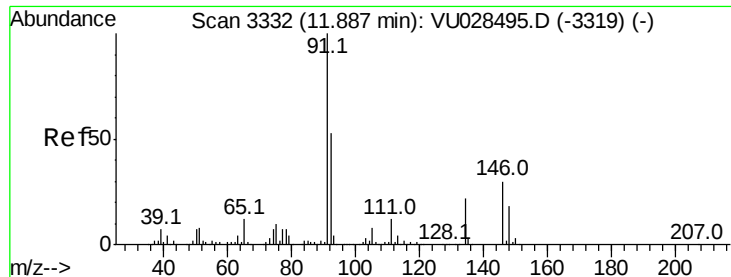
#88
 1,4-Dichlorobenzene
 Concen: 1.229 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion:146 Resp: 3209
 Ion Ratio Lower Upper
 146 100
 111 34.5 20.2 60.5
 148 72.3 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: 1.081 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

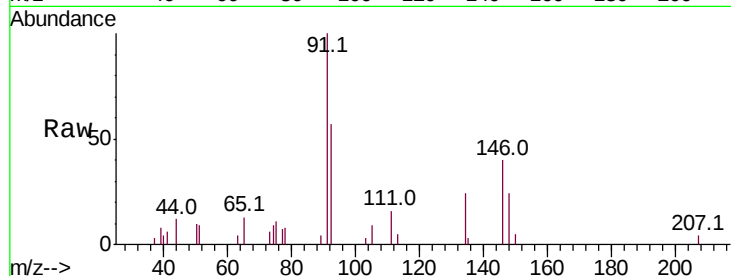
Tot Ion: 91 Resp: 5444

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.9

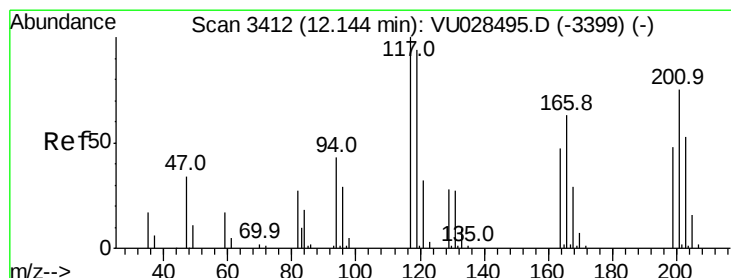
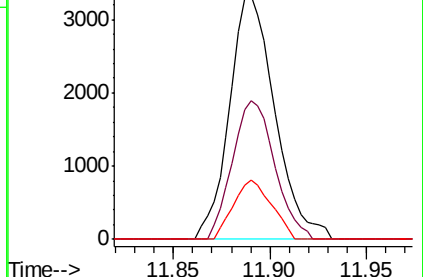
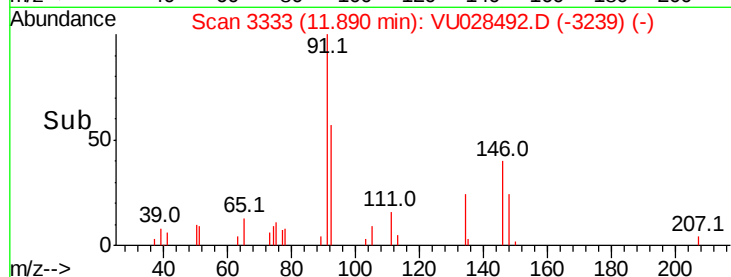
134 20.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028492.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028492.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028492.D (-3319) (-)



#90

Hexachloroethane

Concen: 0.966 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028492.D

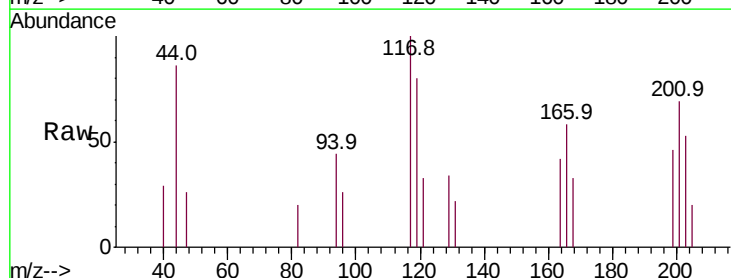
Acq: 06 Dec 2018 11:22

Tgt Ion: 117 Resp: 726

Ion Ratio Lower Upper

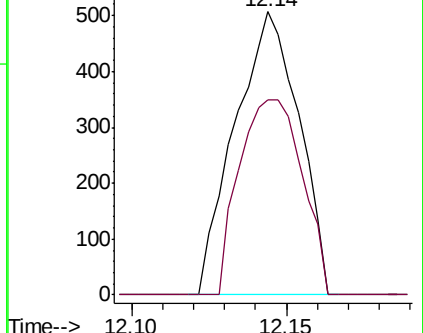
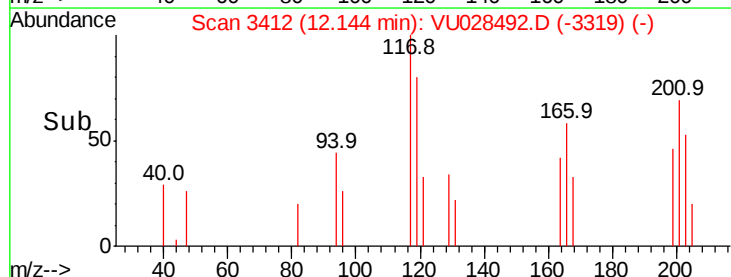
117 100

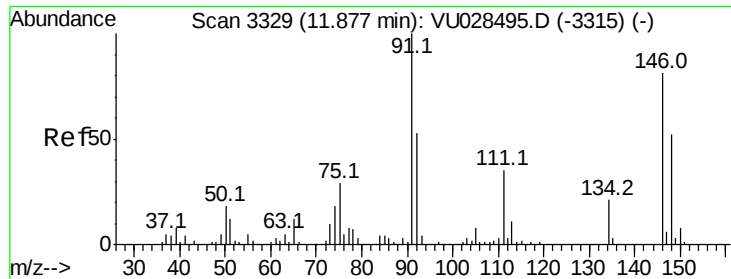
201 68.0 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028492.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028492.D (-3319) (-)

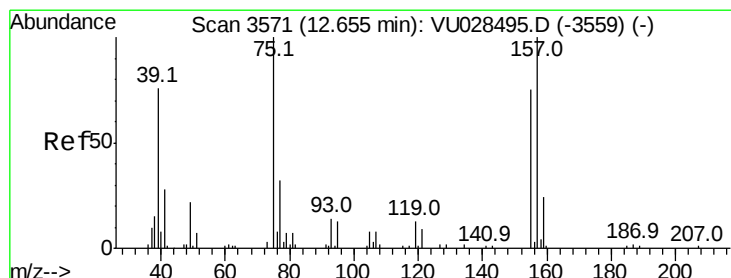
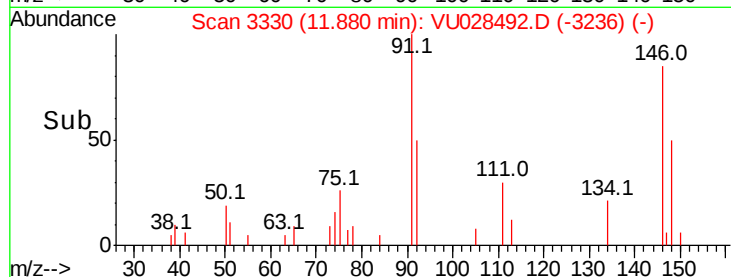
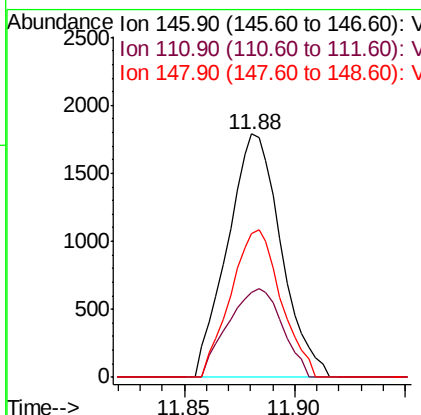
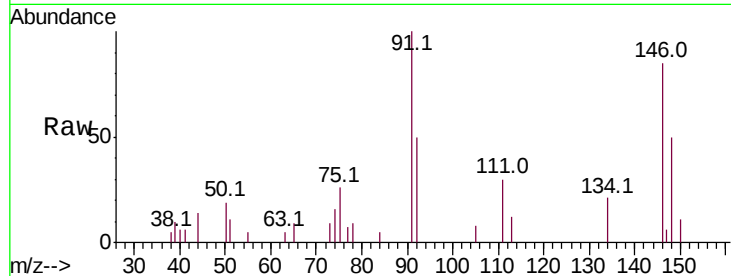




#91
 1,2-Dichlorobenzene
 Concen: 1.193 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

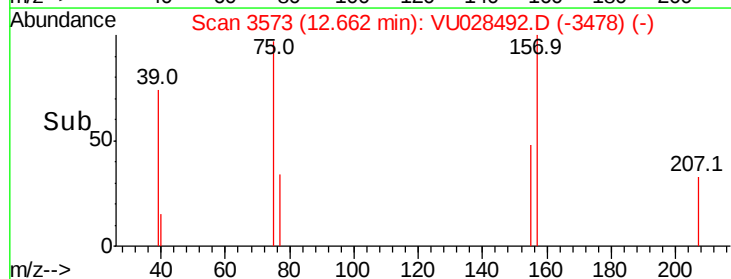
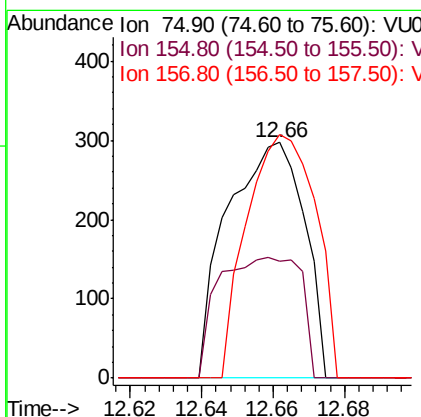
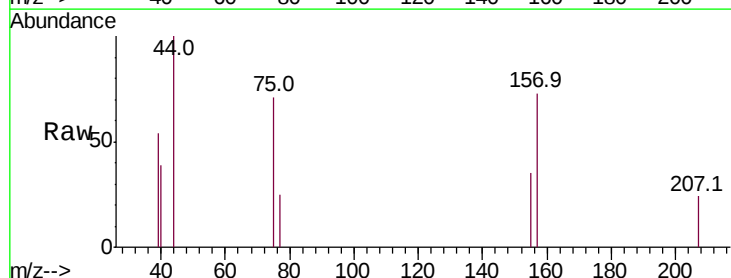
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

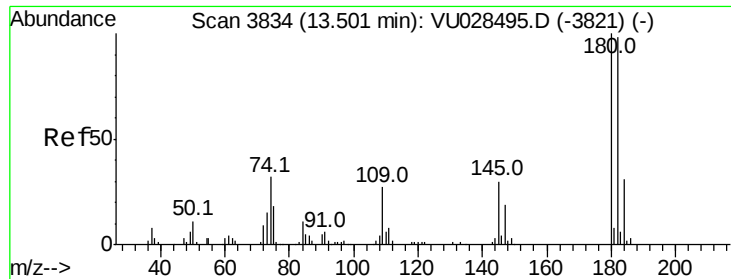
Tot Ion:146 Resp: 3011
 Ion Ratio Lower Upper
 146 100
 111 36.8 21.1 63.4
 148 56.8 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.930 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 75 Resp: 442
 Ion Ratio Lower Upper
 75 100
 155 54.5 38.1 114.5
 157 92.5 48.7 146.1

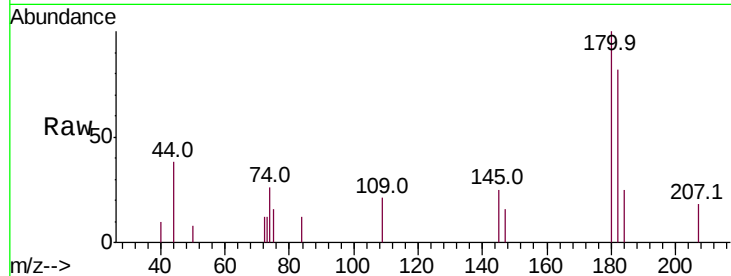




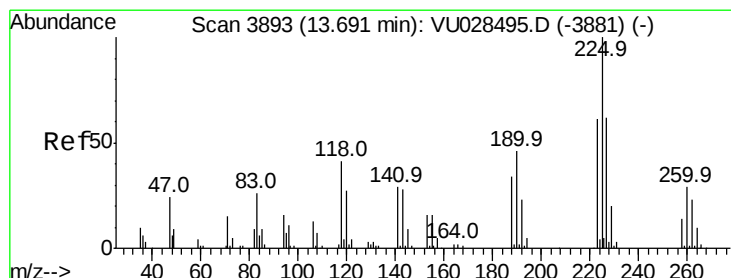
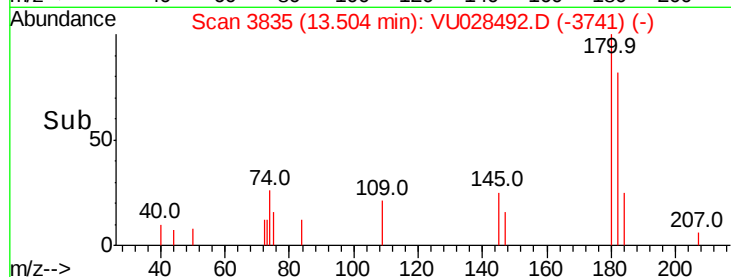
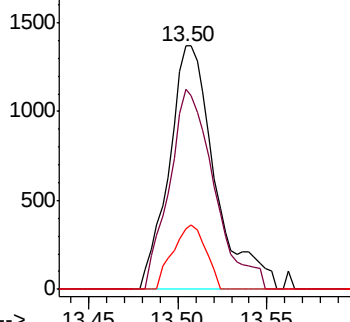
#93
 1,2,4-Trichlorobenzene
 Concen: 1.357 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 2455
 Ion Ratio Lower Upper
 180 100
 182 80.0 47.9 143.8
 145 18.9 15.0 45.1

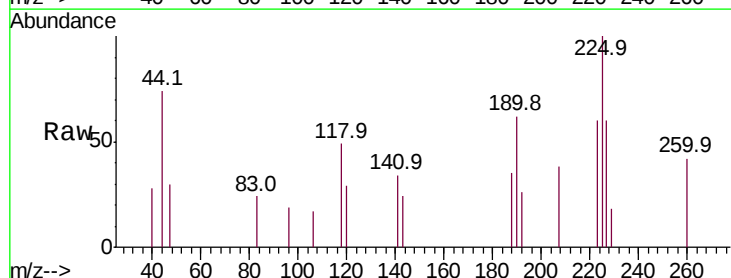


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

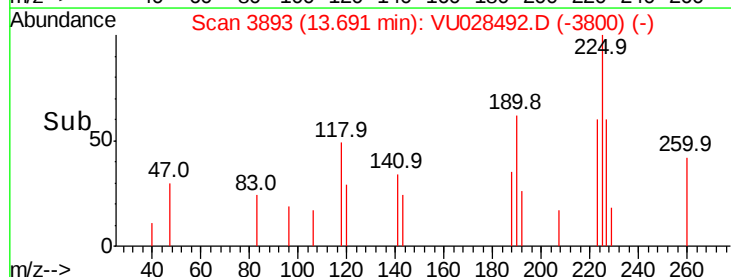
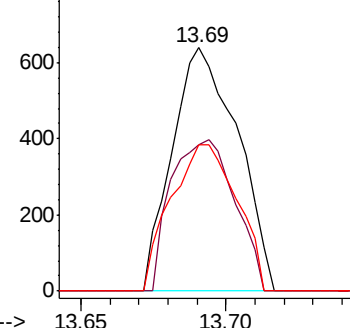


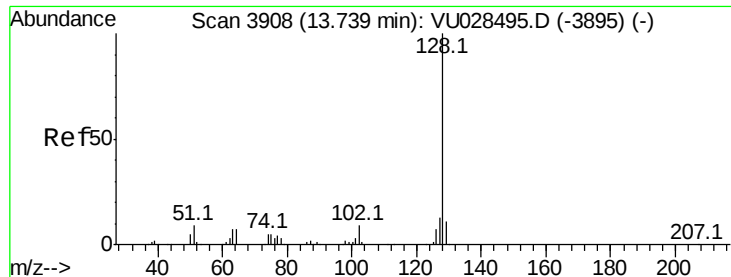
#94
 Hexachlorobutadiene
 Concen: 1.213 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion:225 Resp: 1003
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.4 91.2
 227 60.8 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

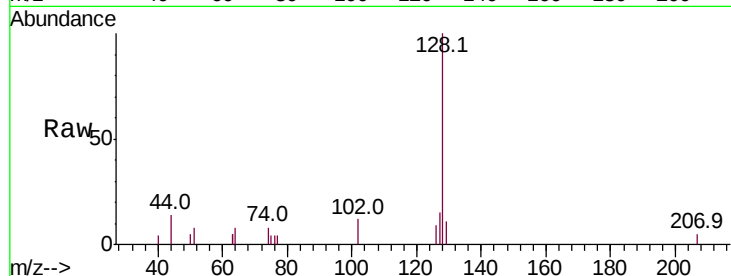




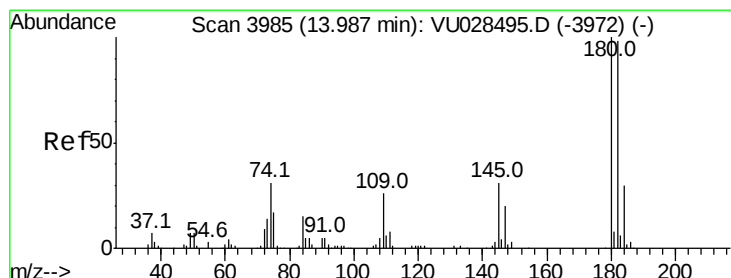
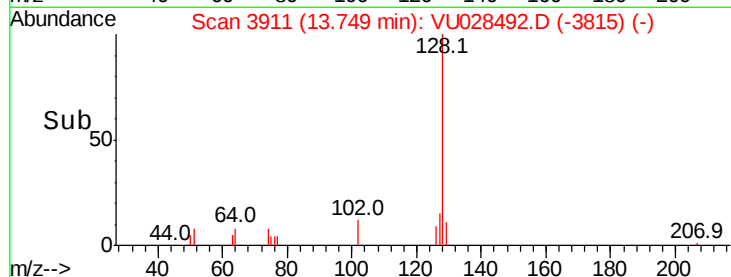
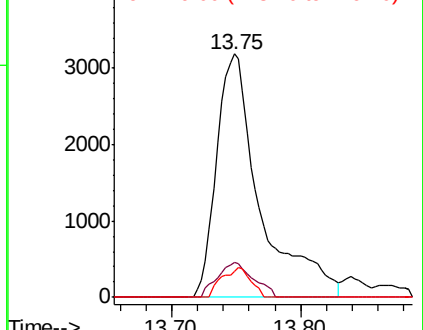
#95
Naphthalene
Concen: 1.235 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 7478
Ion Ratio Lower Upper
128 100
127 11.8 10.4 15.6
129 7.9 8.6 13.0#

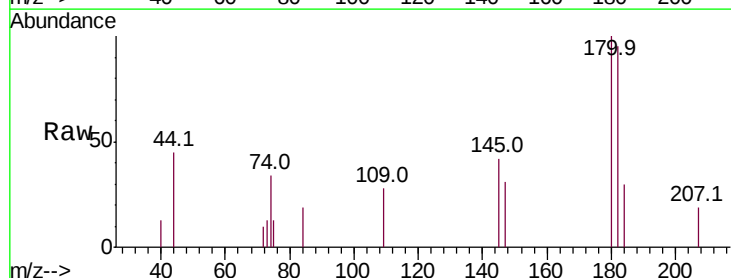


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.317 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:180 Resp: 2397
Ion Ratio Lower Upper
180 100
182 83.8 48.2 144.6
145 24.6 15.8 47.3



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

