

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028632.D
 Acq On : 12 Dec 2018 01:17
 Operator : MD/SY
 Sample : J6347-07MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

Quant Time: Dec 12 04:16:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	144761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	64310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	68582	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
35) Dibromofluoromethane	4.88	113	50037	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
50) Toluene-d8	7.57	98	194179	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	10.30	95	71535	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54437	50.437	ug/l	100
3) Chloromethane	1.33	50	93981	47.363	ug/l	98
4) Vinyl Chloride	1.40	62	71643	50.031	ug/l	99
5) Bromomethane	1.61	94	28393	49.222	ug/l	98
6) Chloroethane	1.69	64	41179	50.795	ug/l	98
7) Trichlorofluoromethane	1.88	101	76386	50.701	ug/l	99
8) Diethyl Ether	2.10	74	34134	48.426	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45081	50.031	ug/l	99
10) Methyl Iodide	2.41	142	46676	66.019	ug/l	100
11) Tert butyl alcohol	2.83	59	86417	315.645	ug/l	99
12) 1,1-Dichloroethene	2.28	96	44941	50.128	ug/l	96
13) Acrolein	2.19	56	56727	259.913	ug/l	100
14) Allyl chloride	2.59	41	105310	49.654	ug/l	99
15) Acrylonitrile	2.94	53	219663	288.993	ug/l	99
16) Acetone	2.32	43	181624	226.500	ug/l	99
17) Carbon Disulfide	2.48	76	153304	47.466	ug/l	100
18) Methyl Acetate	2.61	43	117617	56.583	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	178212	52.436	ug/l	98
20) Methylene Chloride	2.70	84	56523	47.817	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	49844	49.379	ug/l	99
22) Diisopropyl ether	3.57	45	222410	53.925	ug/l	98
23) Vinyl Acetate	3.52	43	825648	242.695	ug/l	99
24) 1,1-Dichloroethane	3.44	63	111036	51.430	ug/l	98
25) 2-Butanone	4.26	43	309811	282.717	ug/l	98
26) 2,2-Dichloropropane	4.22	77	75846	44.337	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	57969	50.738	ug/l	99
28) Bromochloromethane	4.55	49	55965	57.022	ug/l	98
29) Tetrahydrofuran	4.64	42	213782	303.759	ug/l	98
30) Chloroform	4.67	83	99649	52.958	ug/l	99
31) Cyclohexane	4.99	56	107808	51.199	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	82570	52.835	ug/l	97
36) 1,1-Dichloropropene	5.13	75	76446	48.258	ug/l	100
37) Ethyl Acetate	4.38	43	111683	54.539	ug/l	99
38) Carbon Tetrachloride	5.13	117	63614	49.824	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	87833	45.449	ug/l	98
40) Benzene	5.39	78	237682	50.944	ug/l	96
41) Methacrylonitrile	4.54	41	64390	57.417	ug/l	98
42) 1,2-Dichloroethane	5.40	62	82975	50.808	ug/l	98
43) Isopropyl Acetate	5.55	43	167467	51.704	ug/l	98
44) Trichloroethene	6.18	130	50008	48.206	ug/l	98
45) 1,2-Dichloropropane	6.43	63	69813	53.212	ug/l	99
46) Dibromomethane	6.56	93	39985	51.366	ug/l	99
47) Bromodichloromethane	6.76	83	78039	51.518	ug/l	98
48) Methyl methacrylate	6.62	41	91311	56.689	ug/l	98
49) 1,4-Dioxane	6.61	88	30127	1184.558	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	588282	287.971	ug/l	99
52) Toluene	7.64	92	134569	49.010	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	89582	49.655	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	95699	48.893	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	57367	52.854	ug/l	97
56) Ethyl methacrylate	8.02	69	99670	53.625	ug/l	97
57) 1,3-Dichloropropane	8.24	76	103150	51.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	519	0.545	ug/l #	54
59) 2-Hexanone	8.36	43	456643	282.022	ug/l	100
60) Dibromochloromethane	8.48	129	54689	51.465	ug/l	100
61) 1,2-Dibromoethane	8.58	107	59689	52.442	ug/l	100
64) Tetrachloroethene	8.22	164	42520	47.284	ug/l	99
65) Chlorobenzene	9.12	112	140581	48.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49176	53.605	ug/l	98
67) Ethyl Benzene	9.25	91	262280	49.664	ug/l	100
68) m/p-Xylenes	9.37	106	192724	100.290	ug/l	100
69) o-Xylene	9.78	106	94042	50.358	ug/l	100
70) Styrene	9.79	104	155604	50.349	ug/l	100
71) Bromoform	9.96	173	41701	53.435	ug/l #	99
73) Isopropylbenzene	10.16	105	247894	50.234	ug/l	100
74) N-amyl acetate	10.01	43	143933	50.565	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	105694	55.756	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	125182	76.230	ug/l	83
77) Bromobenzene	10.45	156	58344	50.553	ug/l	99
78) n-propylbenzene	10.58	91	304997	49.740	ug/l	99
79) 2-Chlorotoluene	10.66	91	181671	51.434	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	206956	50.665	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	125182	185.984	ug/l #	100
82) 4-Chlorotoluene	10.77	91	207767	49.639	ug/l	100
83) tert-Butylbenzene	11.10	119	198799	50.492	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	213180	50.640	ug/l	100
85) sec-Butylbenzene	11.32	105	248022	49.035	ug/l	99
86) p-Isopropyltoluene	11.48	119	207227	48.230	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	104717	48.052	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	107021	47.466	ug/l	99
89) n-Butylbenzene	11.89	91	196989	45.302	ug/l	99
90) Hexachloroethane	12.14	117	33117	50.994	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	108416	49.735	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23682	57.704	ug/l	98

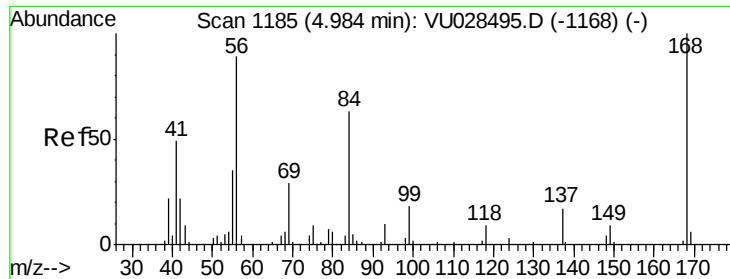
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	70229	46.937	ug/l	97
94) Hexachlorobutadiene	13.69	225	27217	38.116	ug/l	95
95) Naphthalene	13.74	128	264093	50.488	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	73308	49.175	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

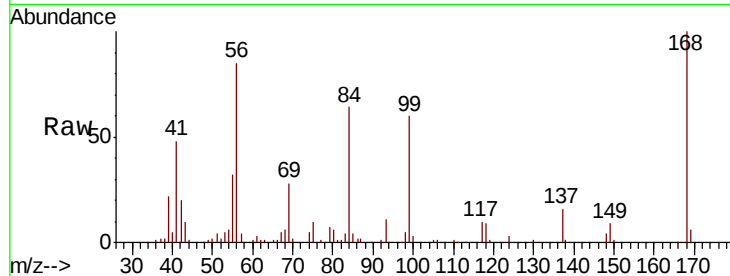
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:168 Resp: 80523

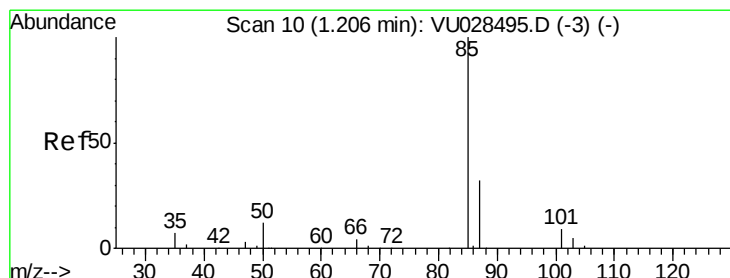
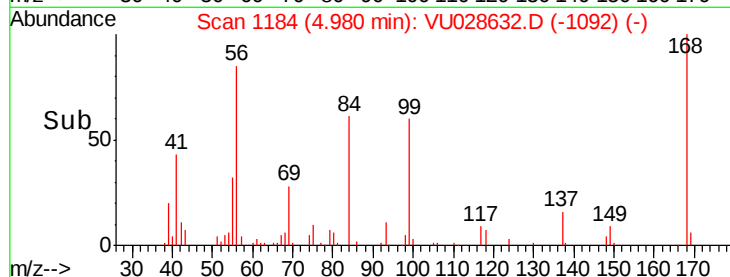
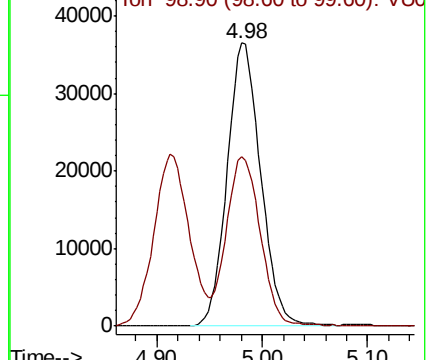
Ion Ratio Lower Upper

168 100

99 59.6 46.6 69.8



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



#2

Dichlorodifluoromethane

Concen: 50.437 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028632.D

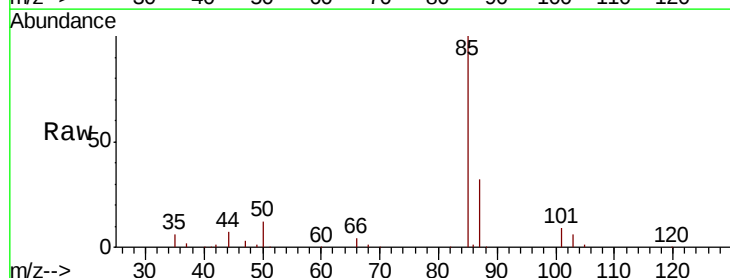
Acq: 12 Dec 2018 01:17

Tgt Ion: 85 Resp: 54437

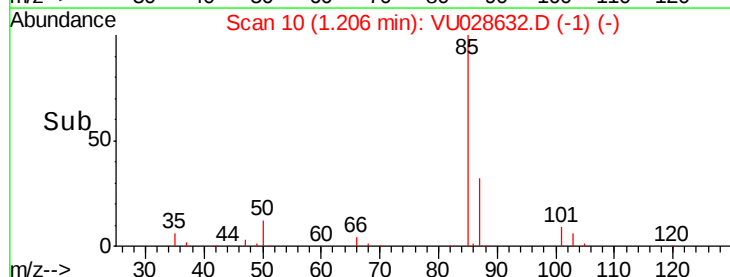
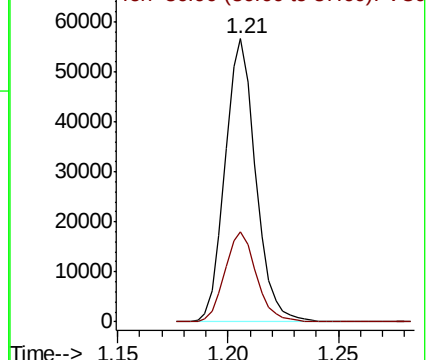
Ion Ratio Lower Upper

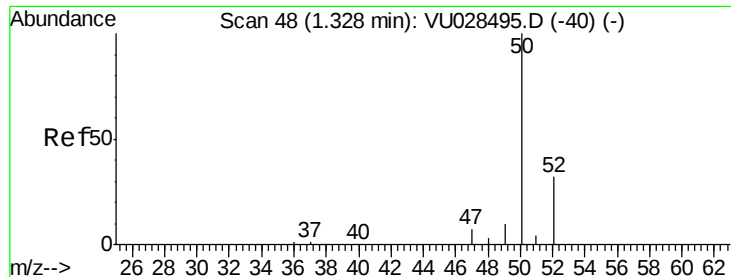
85 100

87 31.9 15.9 47.6



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





#3

Chloromethane

Concen: 47.363 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

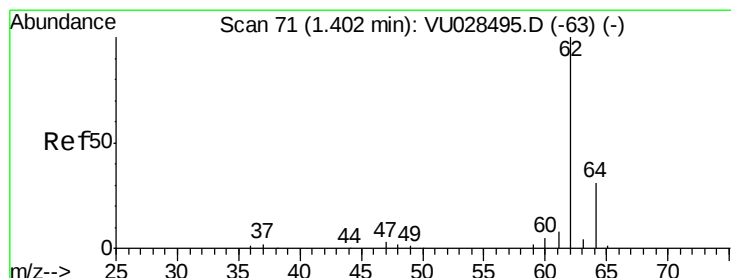
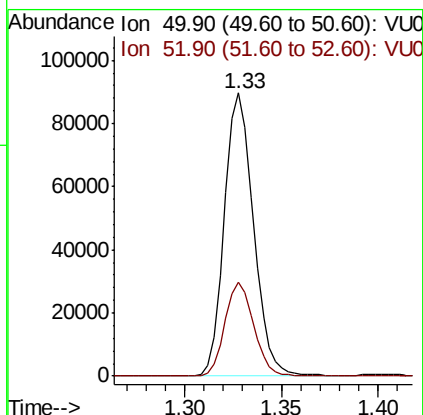
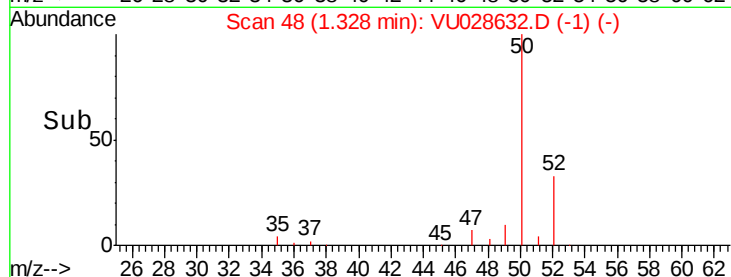
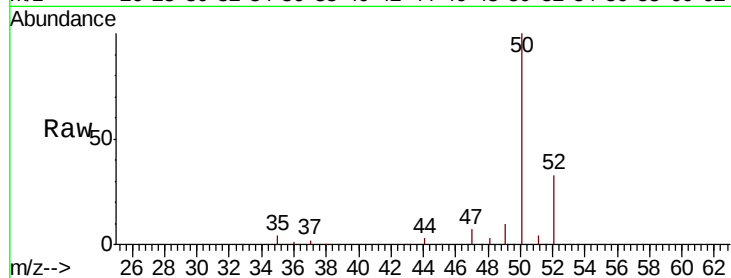
P001-SW001-01MS

Tot Ion: 50 Resp: 93981

Ion Ratio Lower Upper

50 100

52 33.0 25.5 38.3



#4

Vinyl Chloride

Concen: 50.031 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028632.D

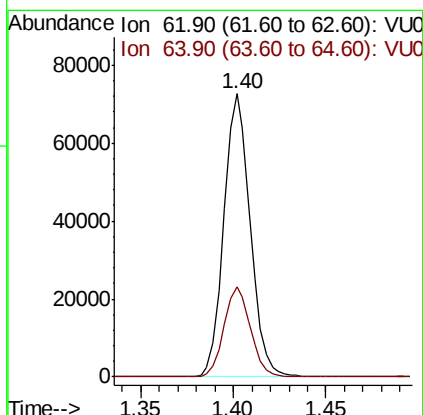
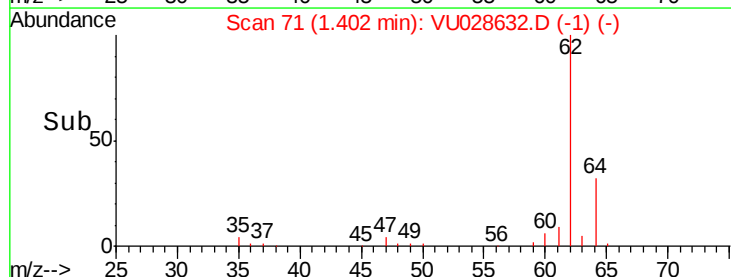
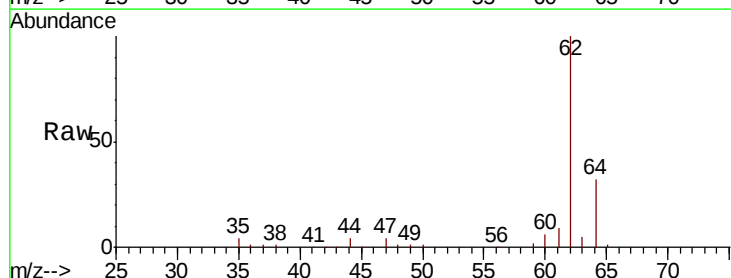
Acq: 12 Dec 2018 01:17

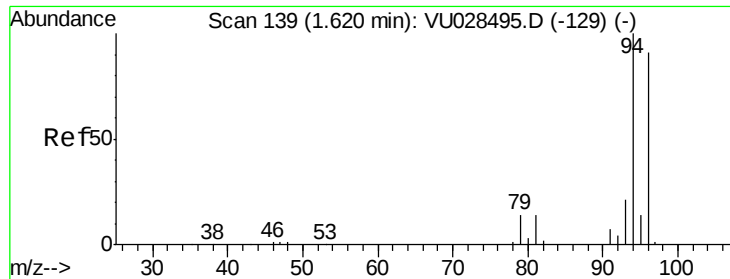
Tgt Ion: 62 Resp: 71643

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7

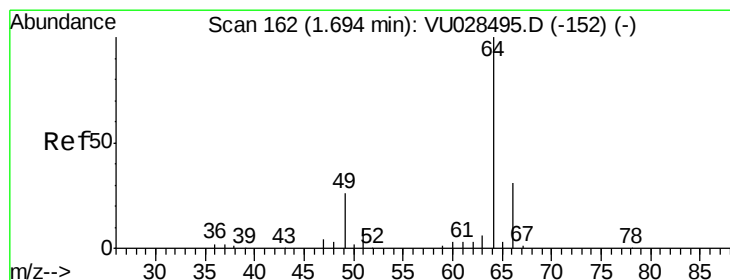
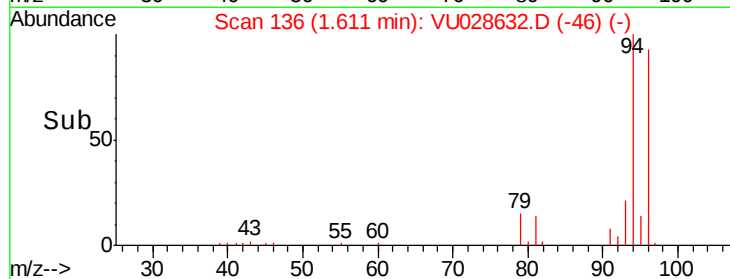
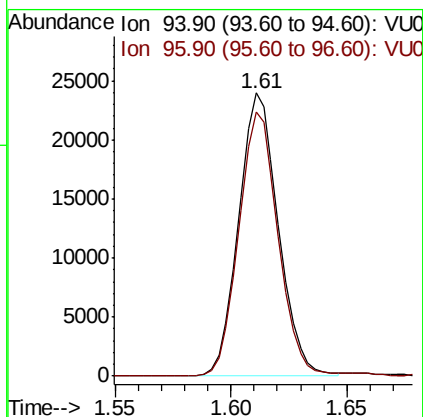
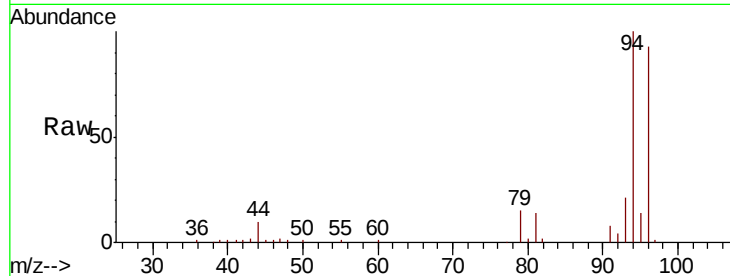




#5
Bromomethane
Concen: 49.222 ug/l
RT: 1.61 min Scan# 136
Delta R.T. -0.01 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

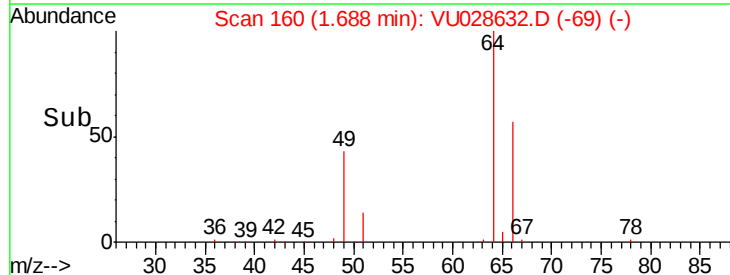
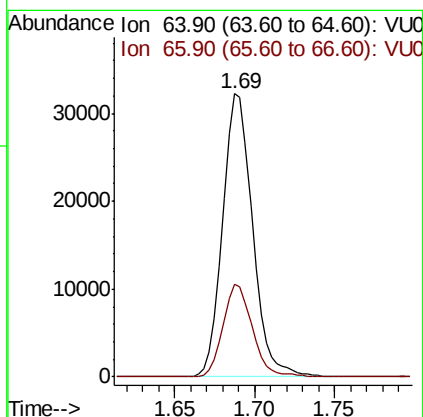
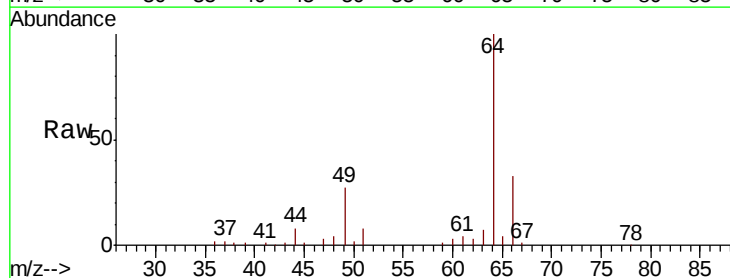
Instrument :
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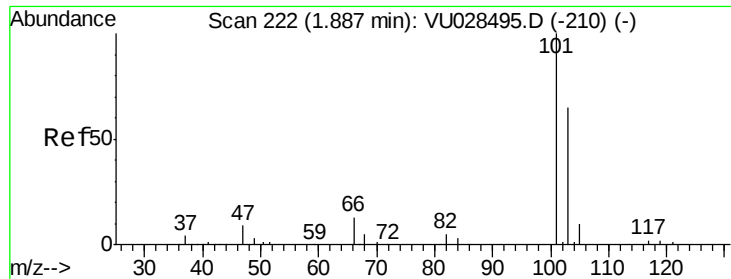
Tot Ion: 94 Resp: 28393
Ion Ratio Lower Upper
94 100
96 93.3 73.2 109.8



#6
Chloroethane
Concen: 50.795 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.01 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 64 Resp: 41179
Ion Ratio Lower Upper
64 100
66 32.6 25.0 37.6



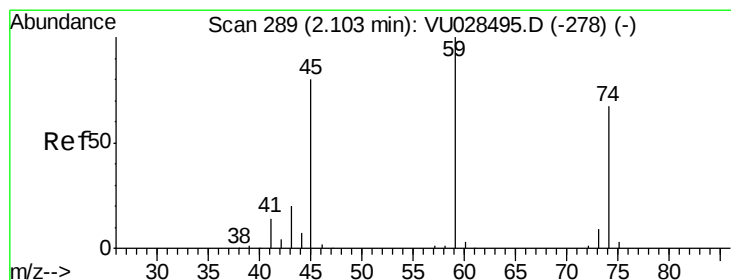
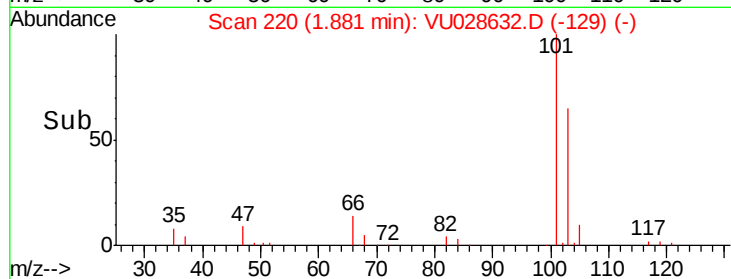
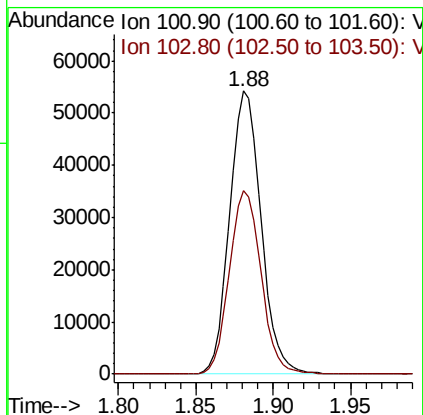
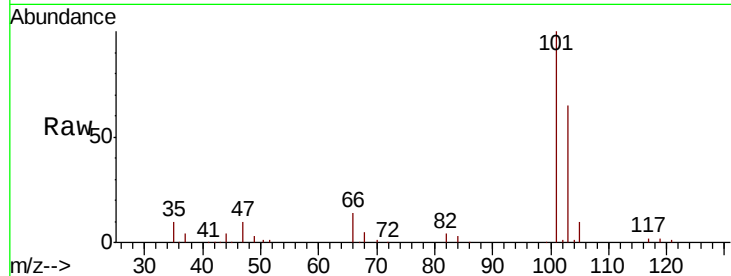


#7

Trichlorofluoromethane
 Concen: 50.701 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Instrument :
 MSVOA_U
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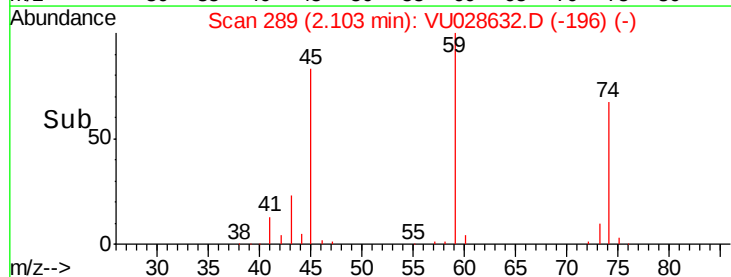
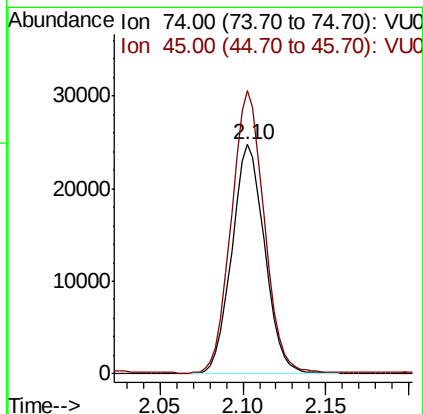
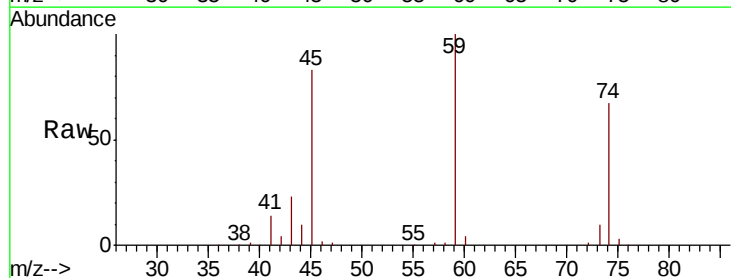
Tot Ion:101 Resp: 76386
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5

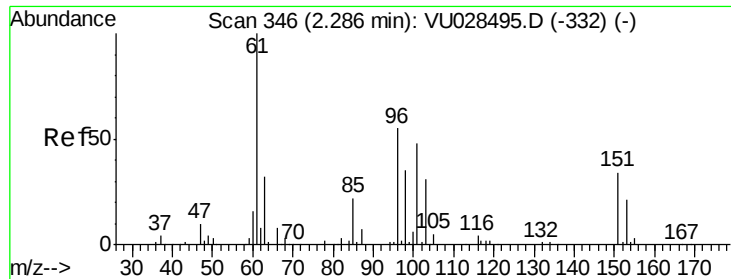


#8

Diethyl Ether
 Concen: 48.426 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 74 Resp: 34134
 Ion Ratio Lower Upper
 74 100
 45 124.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.031 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

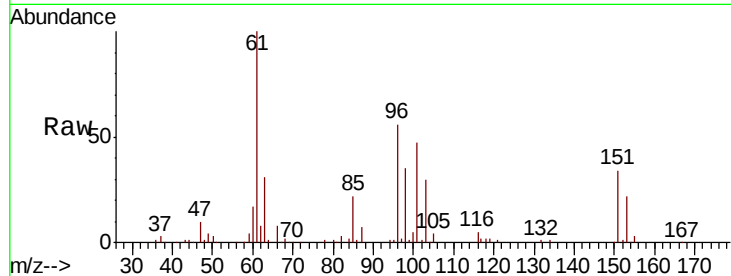
Tot Ion:101 Resp: 45081

Ion Ratio Lower Upper

101 100

85 46.7 36.4 54.6

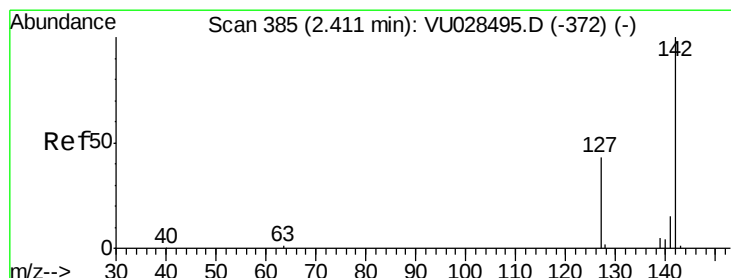
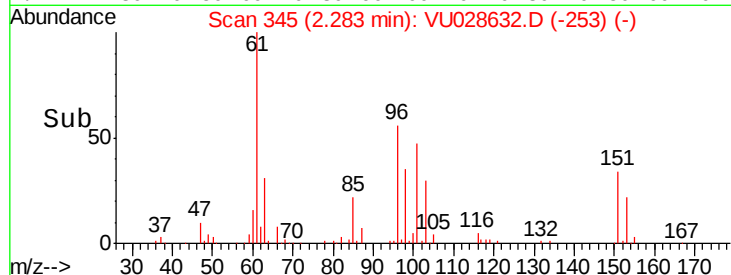
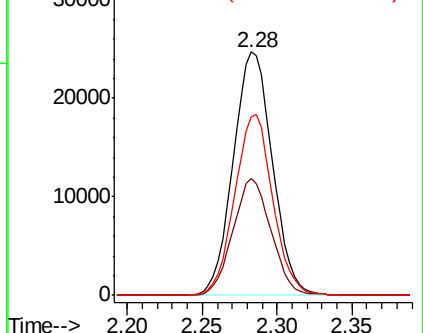
151 72.1 58.2 87.2



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: 66.019 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

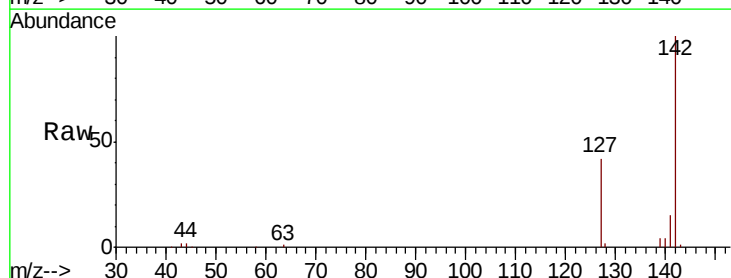
Tgt Ion:142 Resp: 46676

Ion Ratio Lower Upper

142 100

127 42.0 33.5 50.3

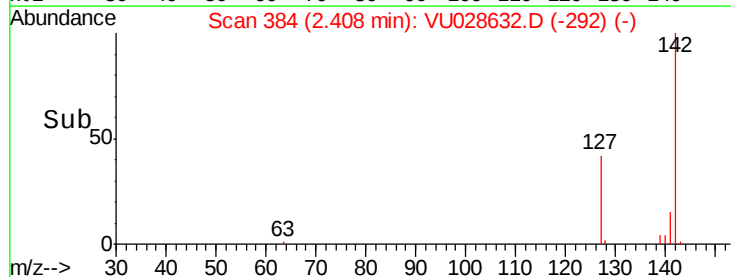
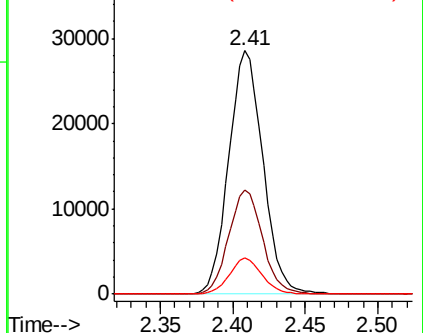
141 14.0 11.2 16.8

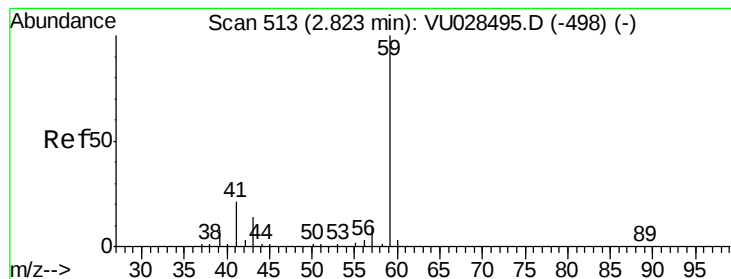


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



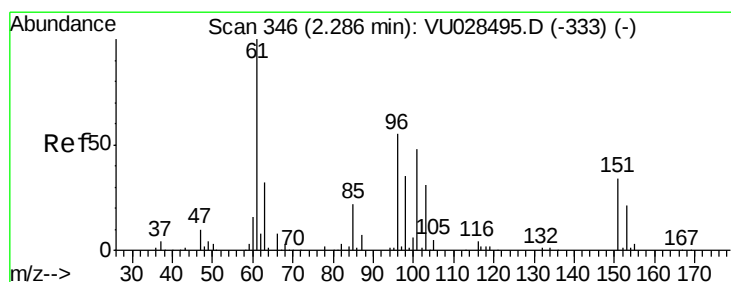
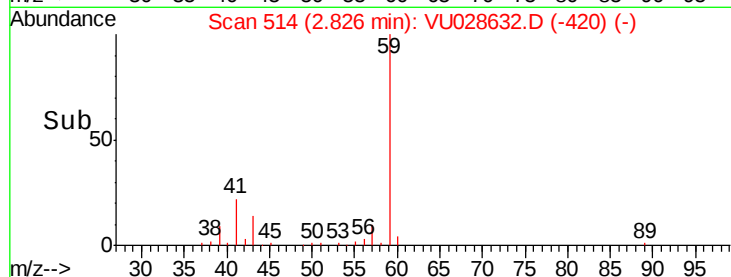
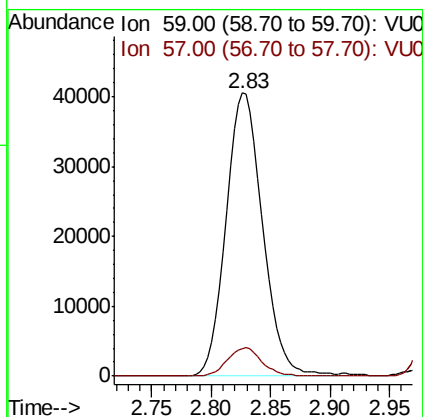
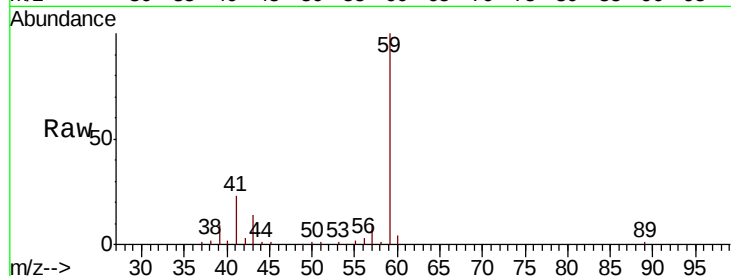


#11

Tert butyl alcohol
 Concen: 315.645 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

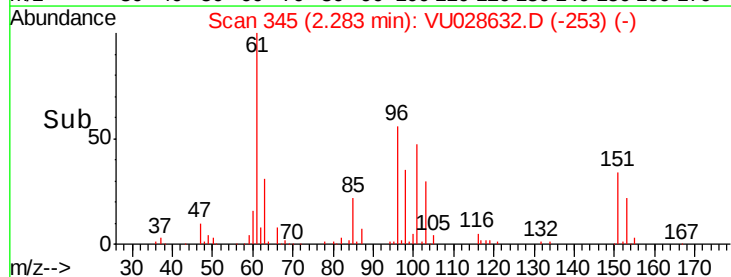
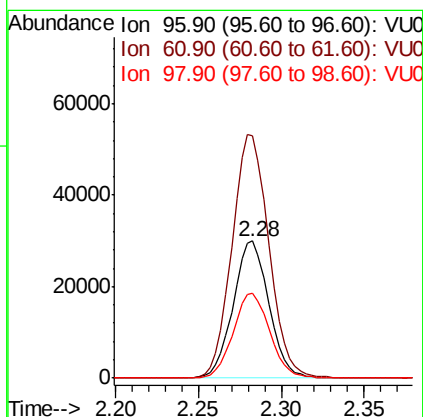
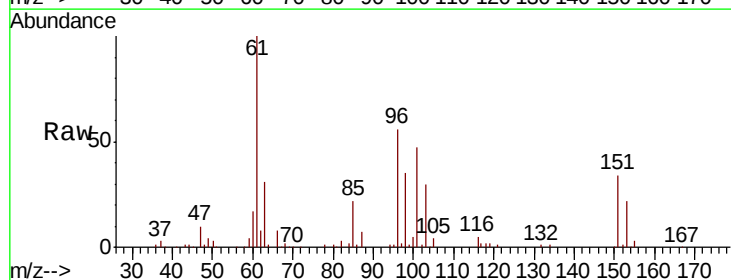
Tot Ion: 59 Resp: 86417
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.0 12.0

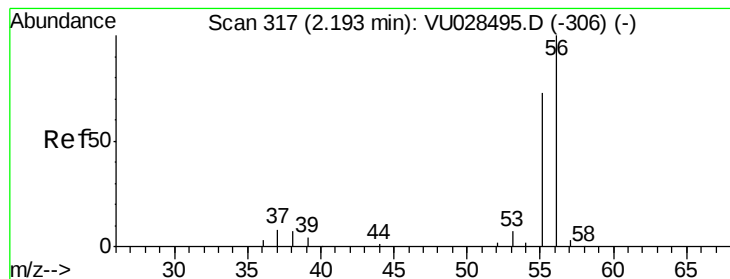


#12

1,1-Dichloroethene
 Concen: 50.128 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 96 Resp: 44941
 Ion Ratio Lower Upper
 96 100
 61 177.3 146.4 219.6
 98 62.0 51.8 77.8





#13

Acrolein

Concen: 259.913 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

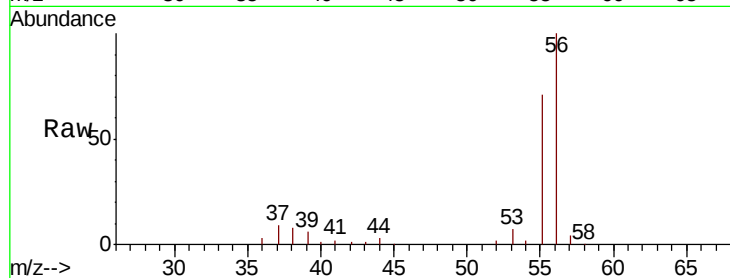
P001-SW001-01MS

Tot Ion: 56 Resp: 56727

Ion Ratio Lower Upper

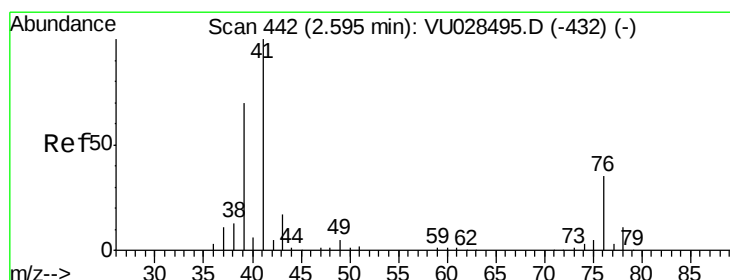
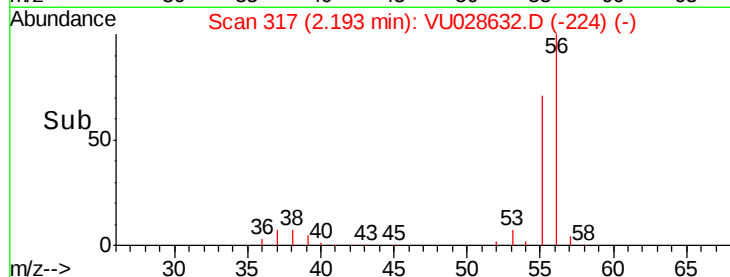
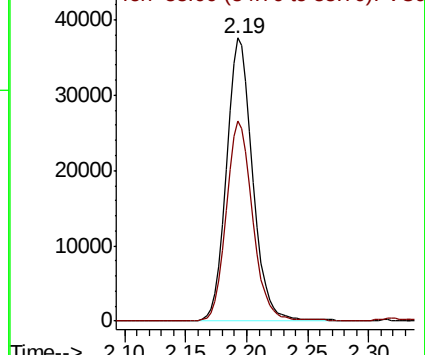
56 100

55 71.5 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: 49.654 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

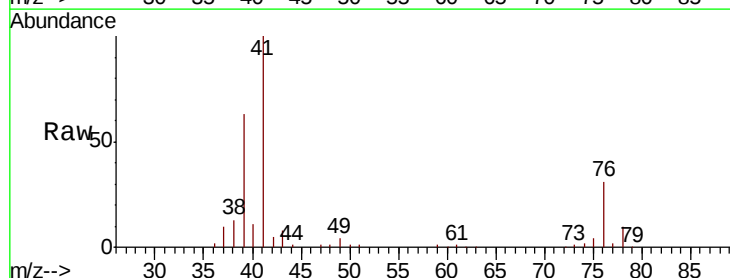
Tgt Ion: 41 Resp: 105310

Ion Ratio Lower Upper

41 100

39 63.7 50.8 76.2

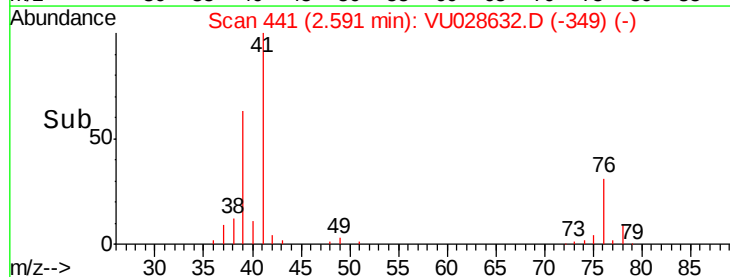
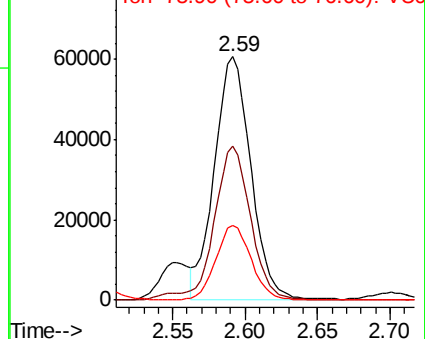
76 30.0 24.8 37.2

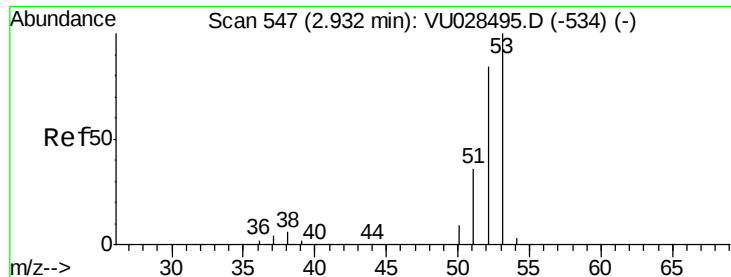


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 288.993 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

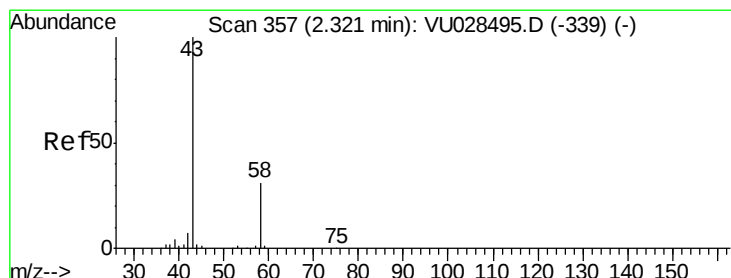
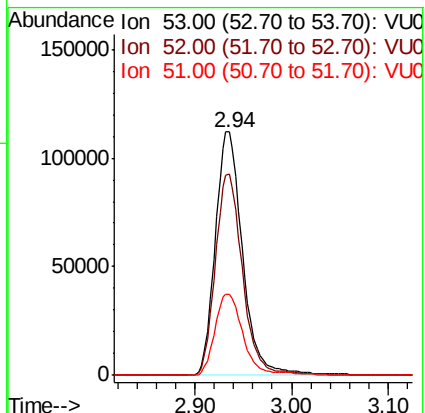
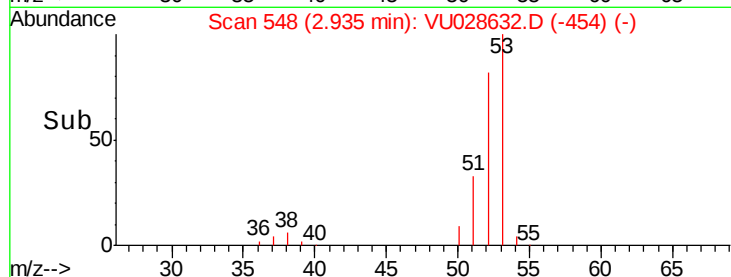
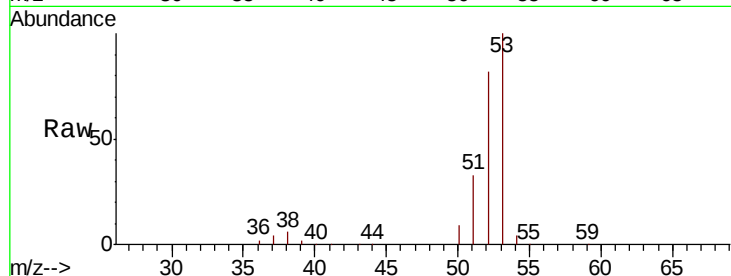
Tot Ion: 53 Resp: 219663

Ion Ratio Lower Upper

53 100

52 82.5 66.1 99.1

51 33.6 28.1 42.1



#16

Acetone

Concen: 226.500 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028632.D

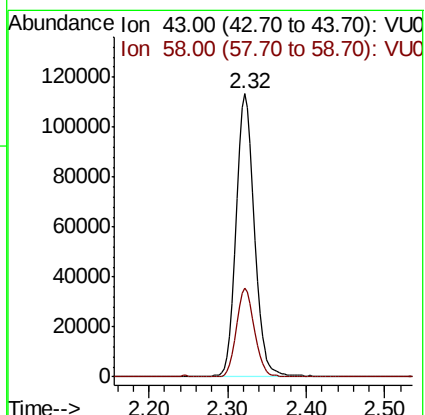
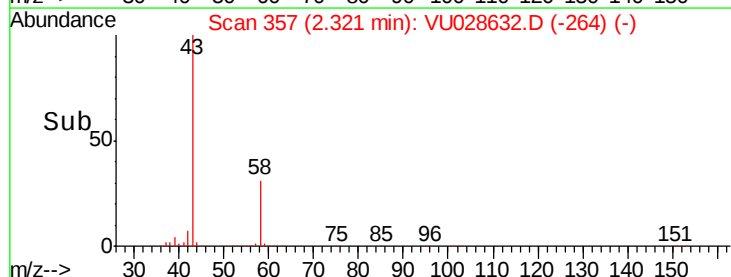
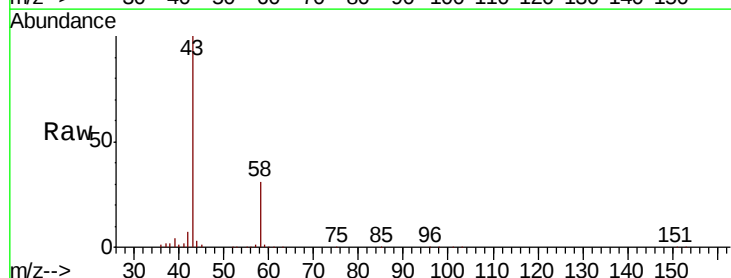
Acq: 12 Dec 2018 01:17

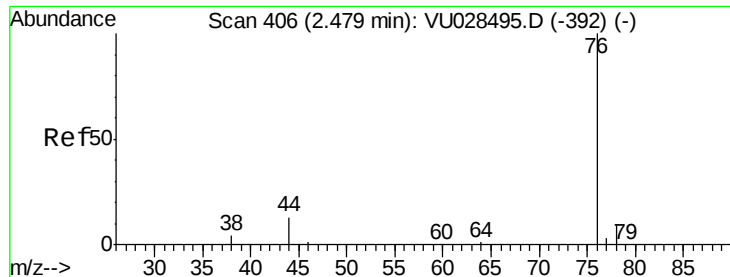
Tgt Ion: 43 Resp: 181624

Ion Ratio Lower Upper

43 100

58 31.4 24.6 37.0

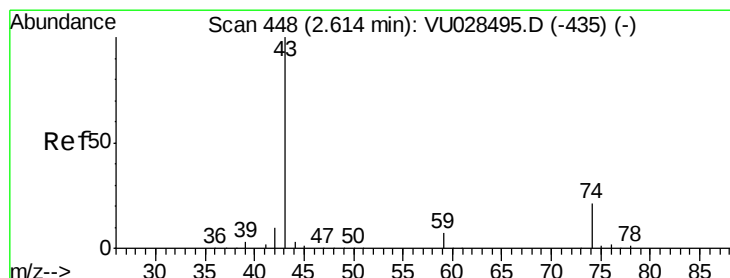
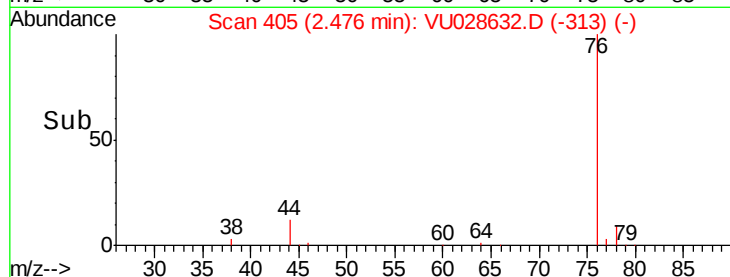
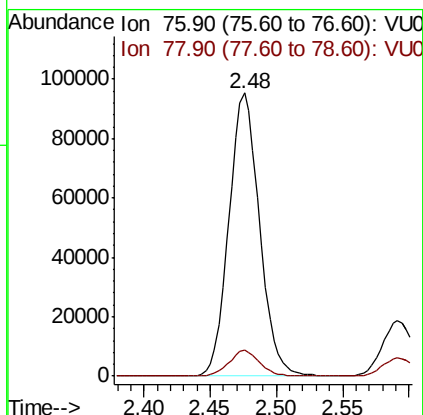
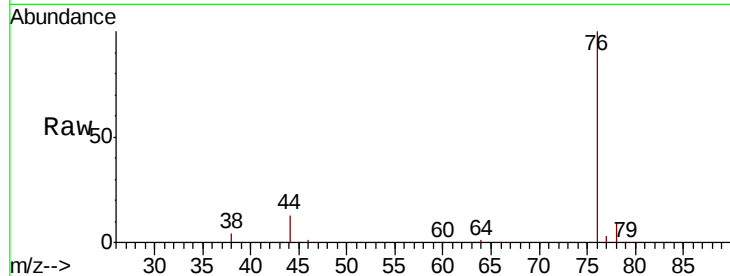




#17
Carbon Disulfide
Concen: 47.466 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

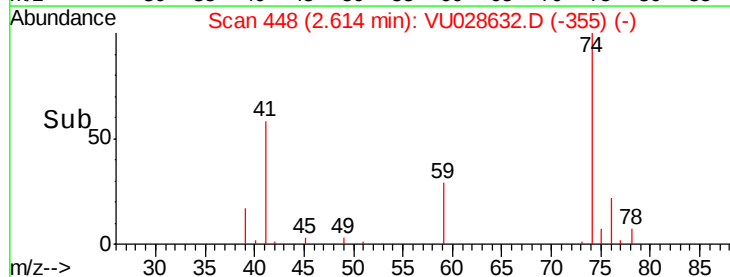
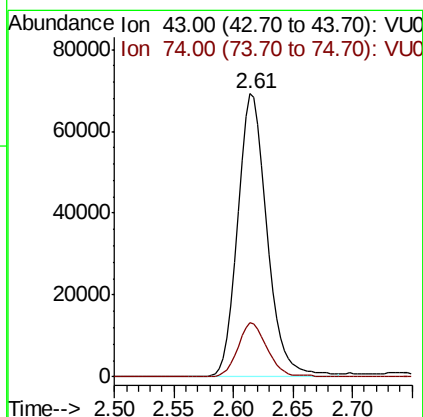
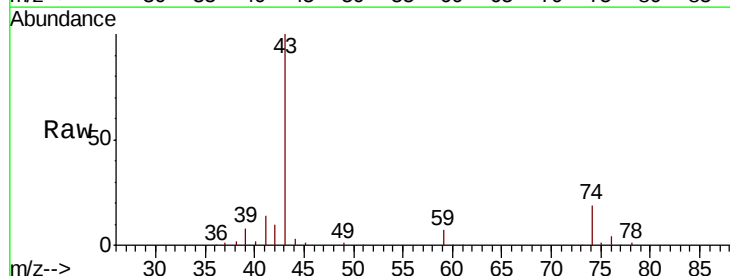
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

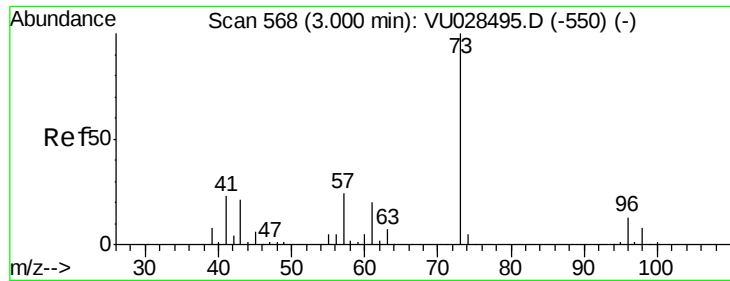
Tot Ion: 76 Resp: 153304
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 56.583 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 43 Resp: 117617
Ion Ratio Lower Upper
43 100
74 19.3 16.4 24.6

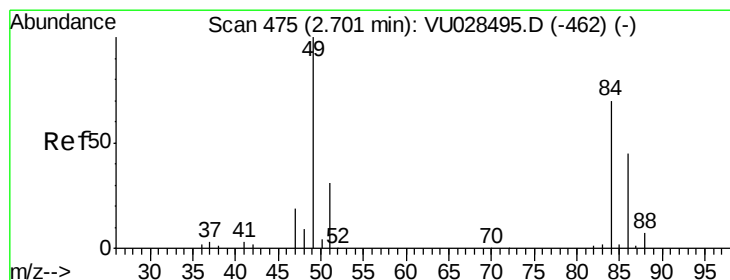
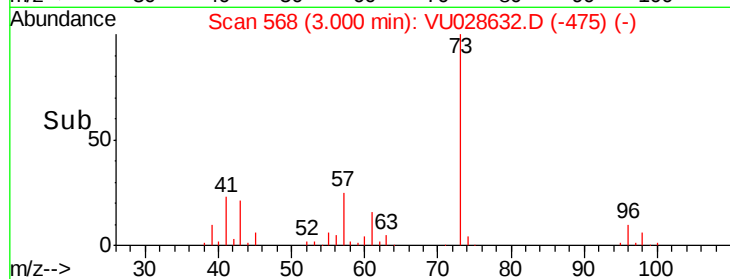
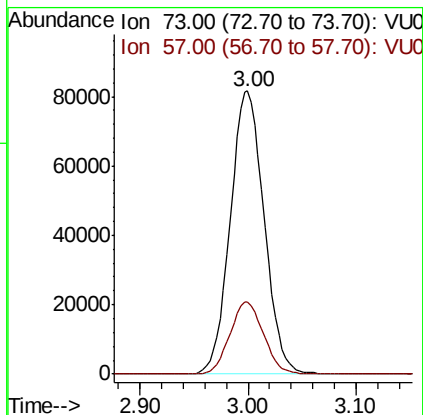
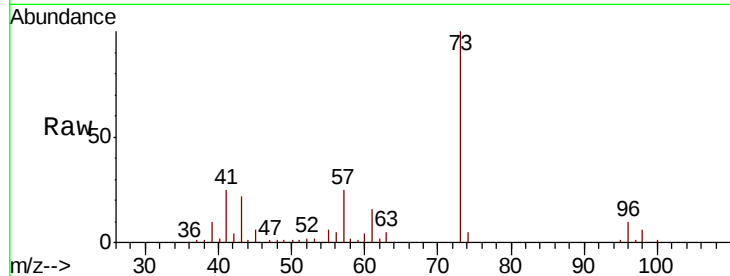




#19
Methvl tert-butvl Ether
Concen: 52.436 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

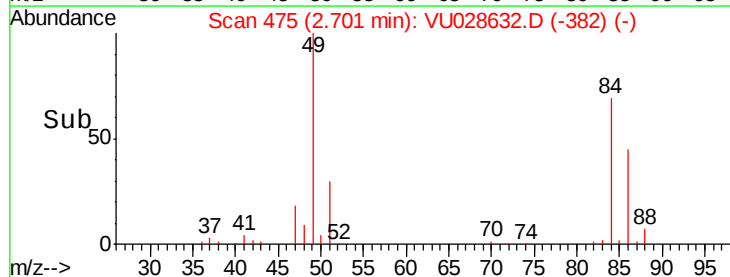
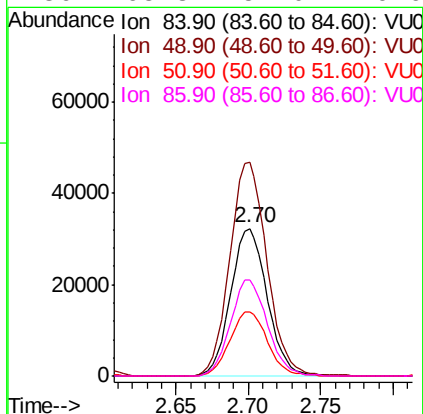
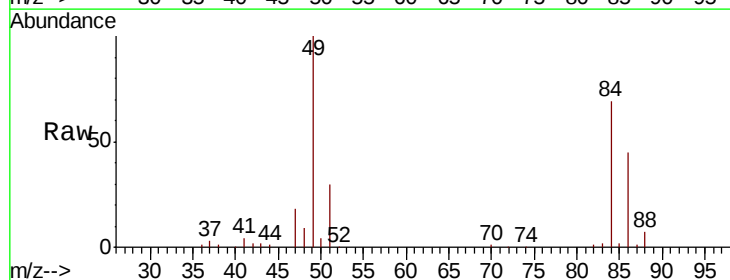
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

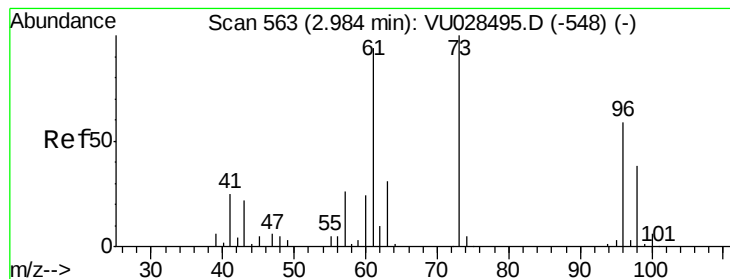
Tot Ion: 73 Resp: 178212
Ion Ratio Lower Upper
73 100
57 25.4 19.4 29.2



#20
Methylene Chloride
Concen: 47.817 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 84 Resp: 56523
Ion Ratio Lower Upper
84 100
49 144.9 114.0 171.0
51 43.7 35.1 52.7
86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.379 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

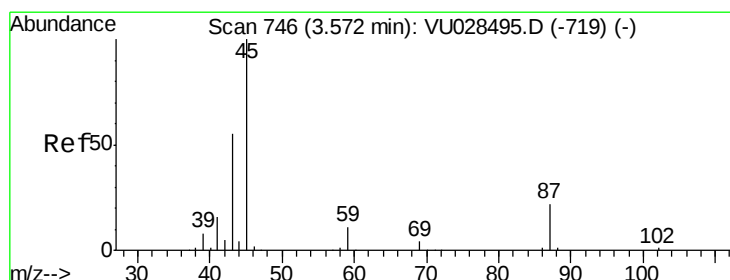
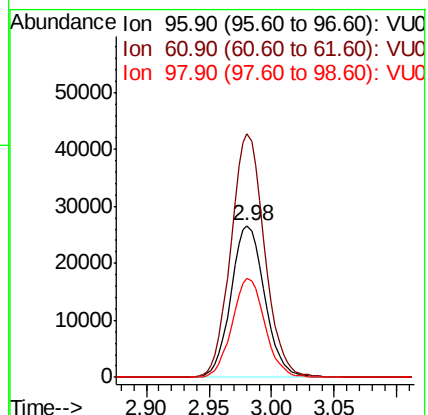
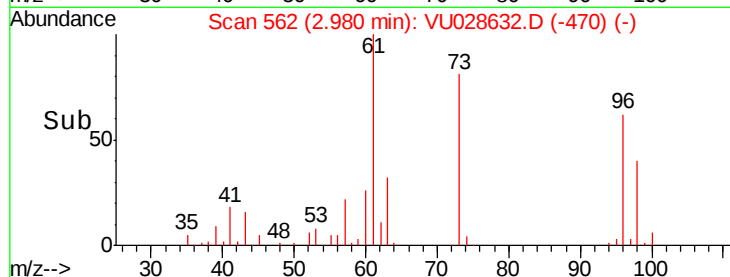
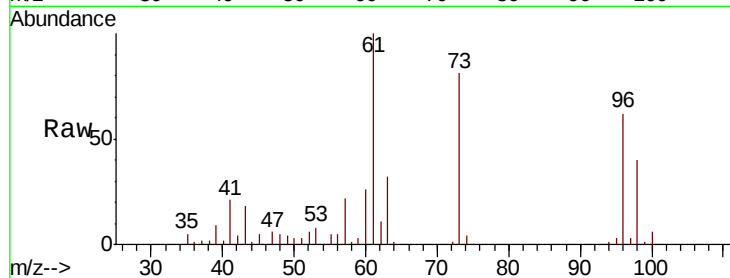
Tot Ion: 96 Resp: 49844

Ion Ratio Lower Upper

96 100

61 160.2 127.0 190.4

98 64.9 51.9 77.9



#22

Diisopropyl ether

Concen: 53.925 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Tgt Ion: 45 Resp: 222410

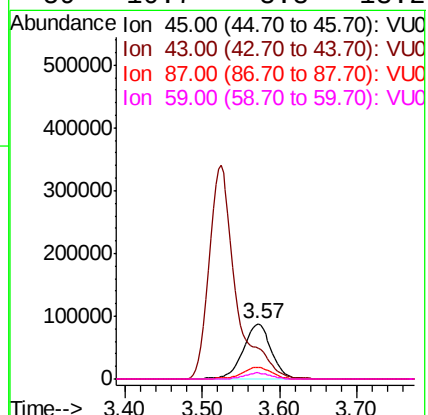
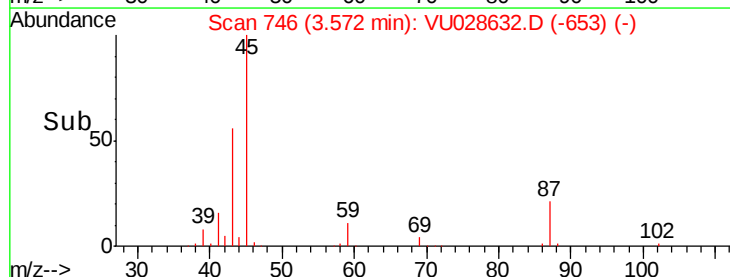
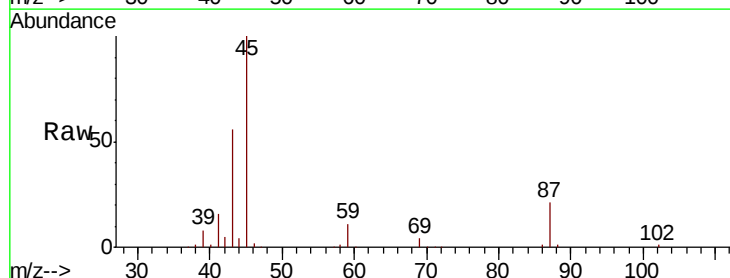
Ion Ratio Lower Upper

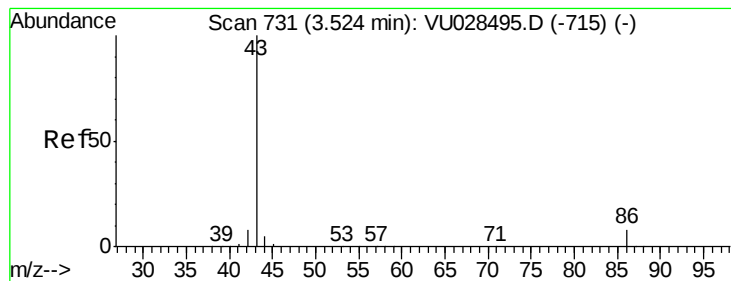
45 100

43 55.1 45.3 67.9

87 21.2 17.6 26.4

59 10.7 8.8 13.2





#23

Vinyl Acetate

Concen: 242.695 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

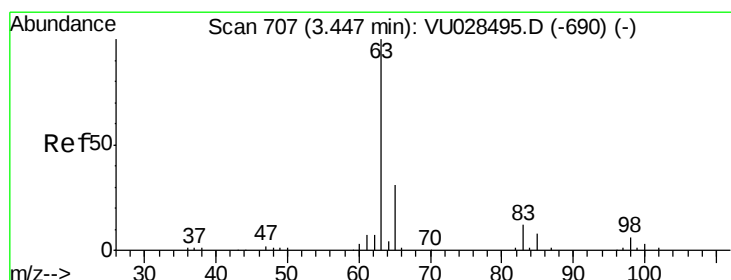
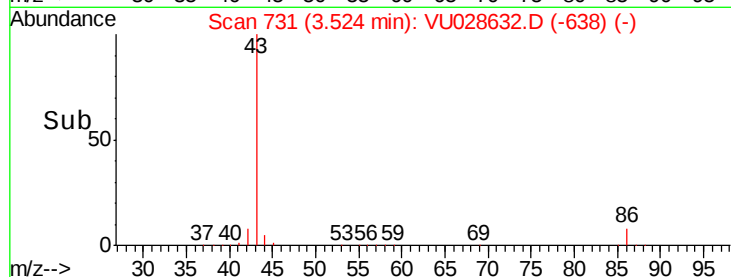
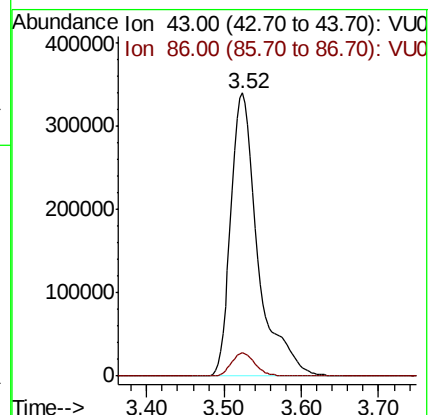
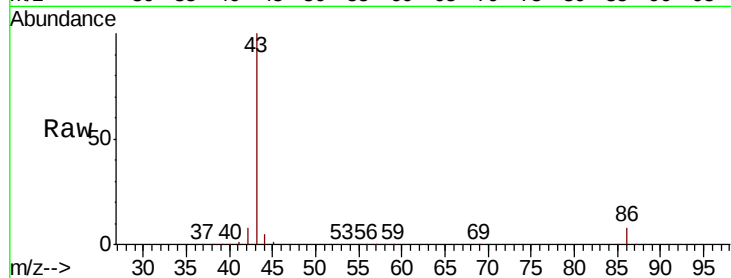
P001-SW001-01MS

Tot Ion: 43 Resp: 825648

Ion Ratio Lower Upper

43 100

86 8.3 6.8 10.2



#24

1,1-Dichloroethane

Concen: 51.430 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

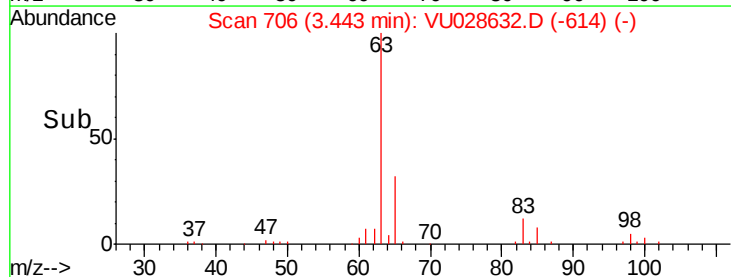
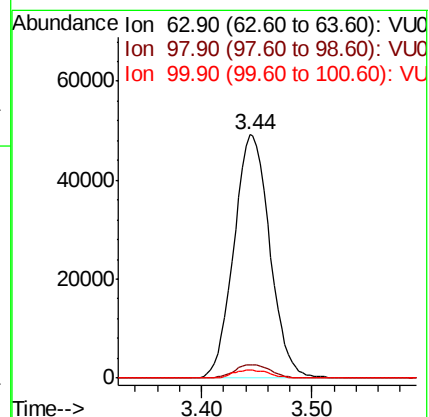
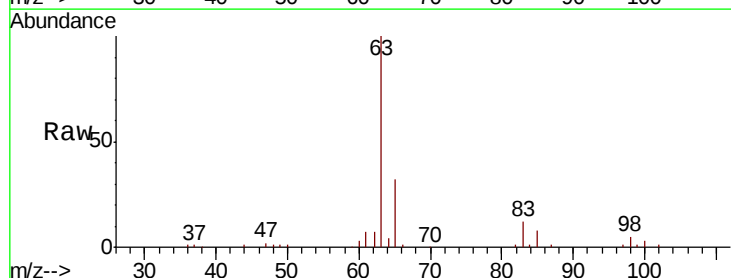
Tgt Ion: 63 Resp: 111036

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

100 3.2 1.7 5.1





#25

2-Butanone

Concen: 282.717 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

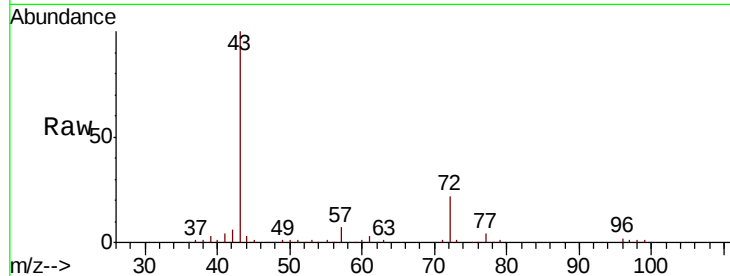
P001-SW001-01MS

Tot Ion: 43 Resp: 309811

Ion Ratio Lower Upper

43 100

72 22.3 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

150000

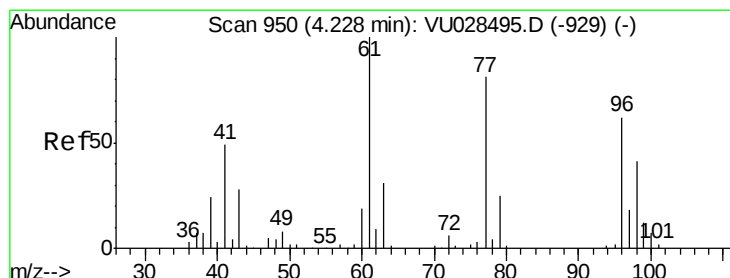
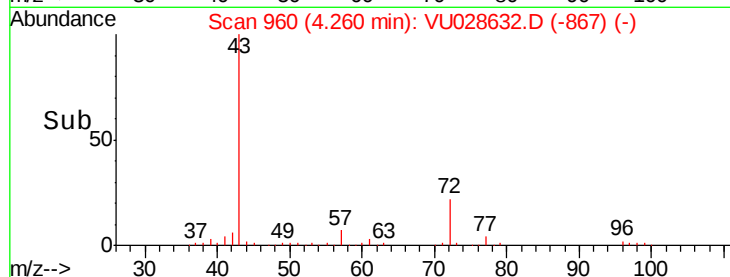
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 44.337 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028632.D

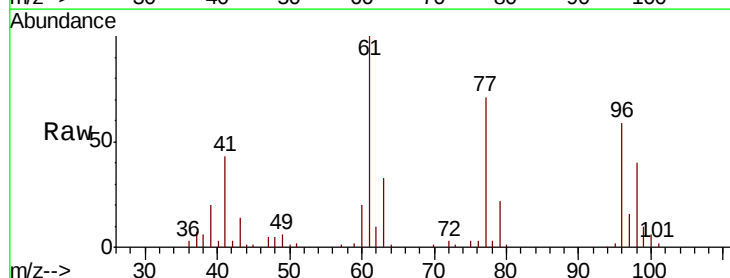
Acq: 12 Dec 2018 01:17

Tgt Ion: 77 Resp: 75846

Ion Ratio Lower Upper

77 100

97 22.3 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028495.D (-929) (-)

30000

25000

20000

15000

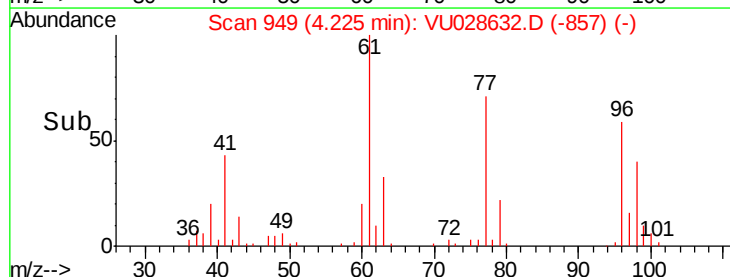
10000

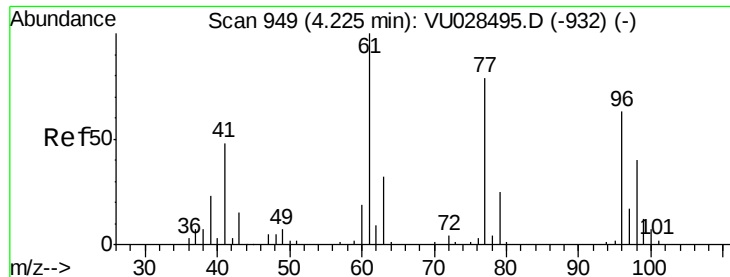
5000

0

4.10 4.20 4.30

Time-->



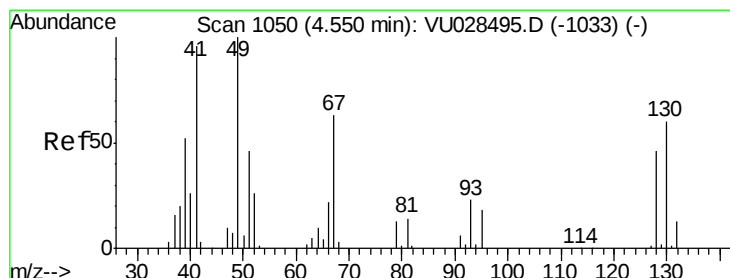
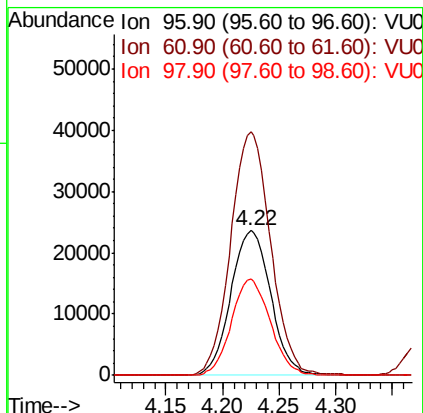
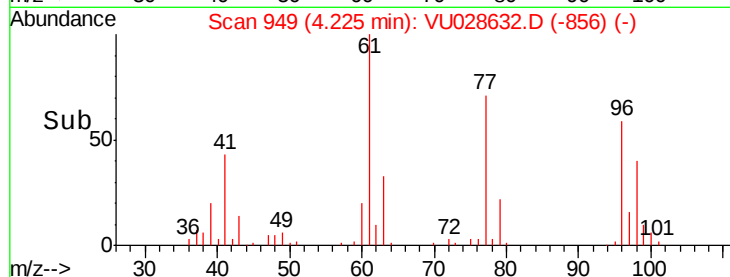
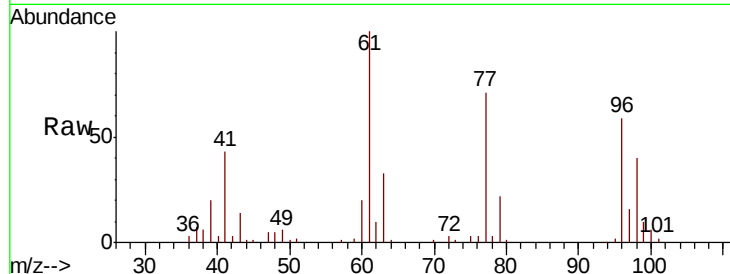


#27

cis-1,2-Dichloroethene
 Concen: 50.738 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

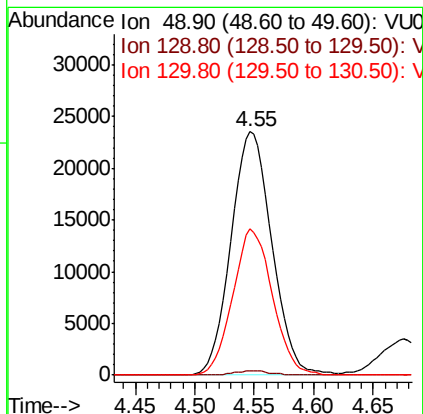
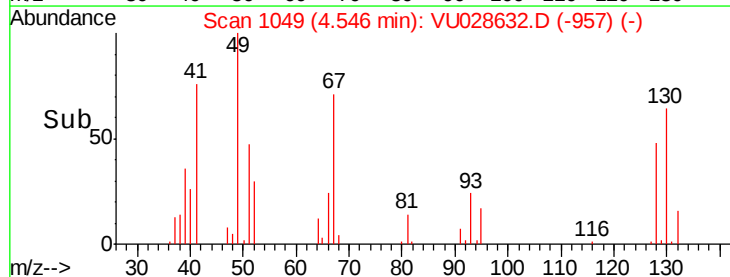
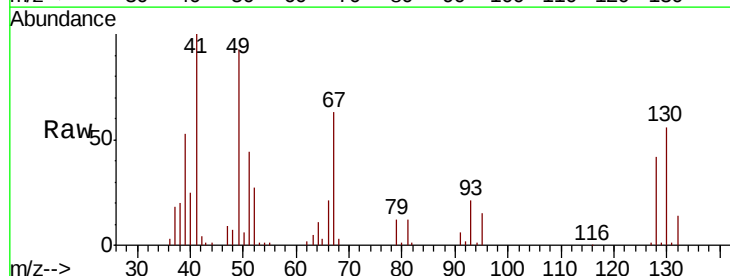
Tot Ion: 96 Resp: 57969
 Ion Ratio Lower Upper
 96 100
 61 168.5 0.0 332.4
 98 64.9 0.0 129.0

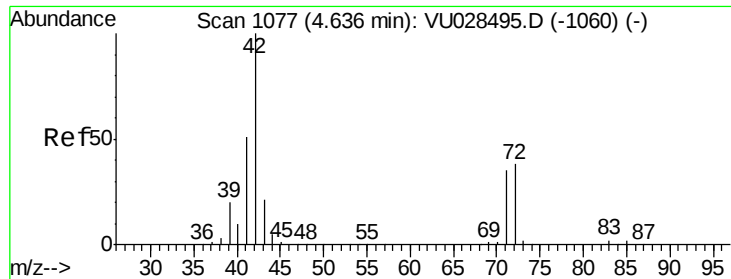


#28

Bromochloromethane
 Concen: 57.022 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 49 Resp: 55965
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 3.0
 130 58.2 47.8 71.8

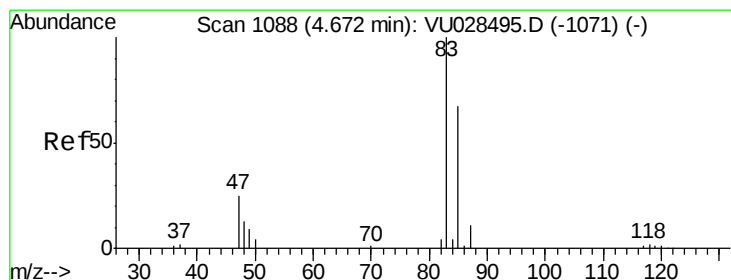
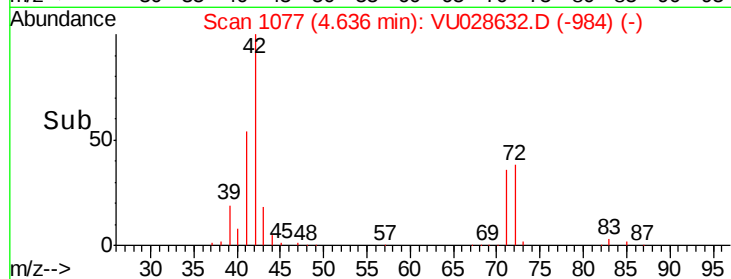
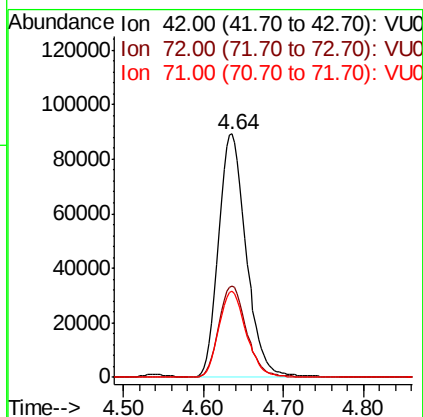
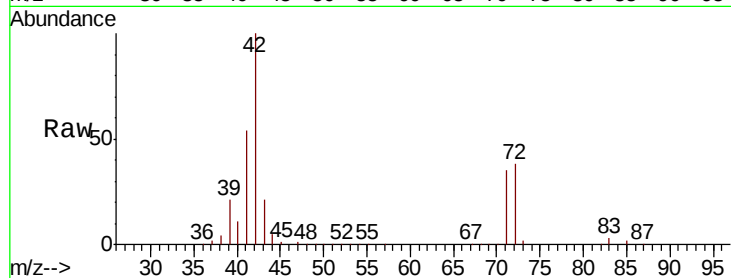




#29
Tetrahydrofuran
Concen: 303.759 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

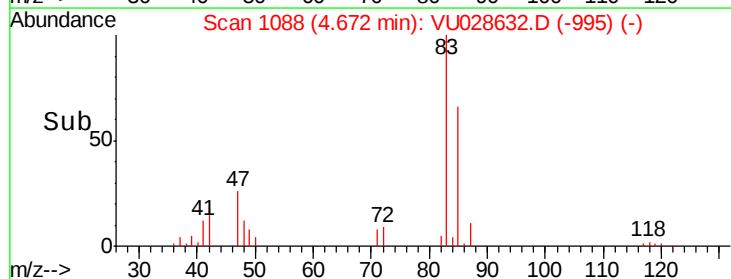
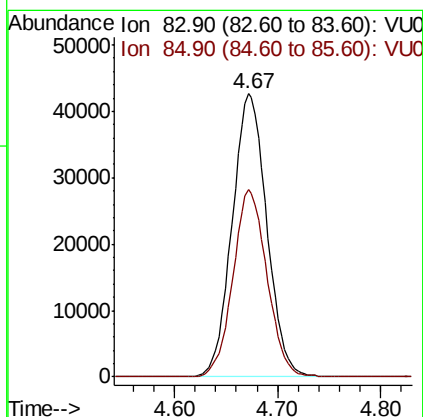
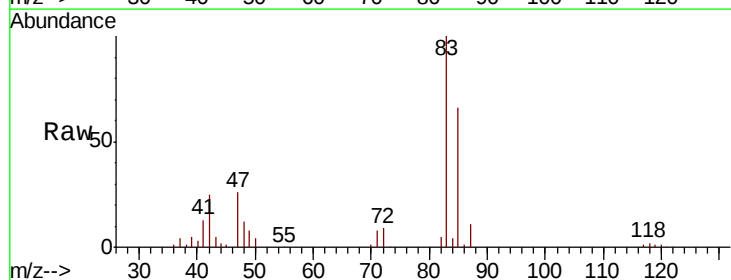
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

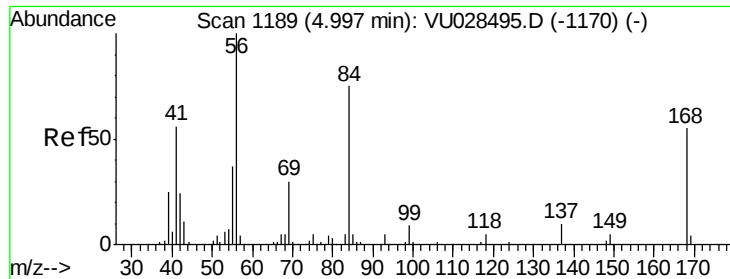
Tot Ion: 42 Resp: 213782
Ion Ratio Lower Upper
42 100
72 37.5 31.4 47.0
71 34.9 28.6 43.0



#30
Chloroform
Concen: 52.958 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 83 Resp: 99649
Ion Ratio Lower Upper
83 100
85 66.1 53.6 80.4

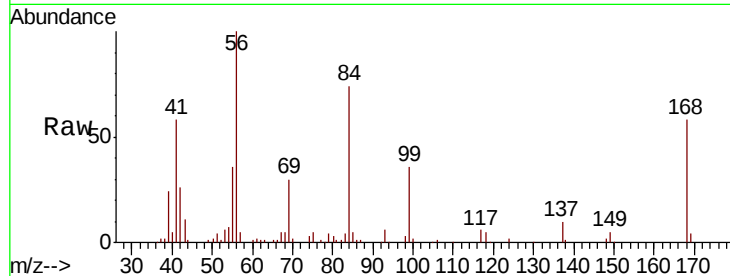




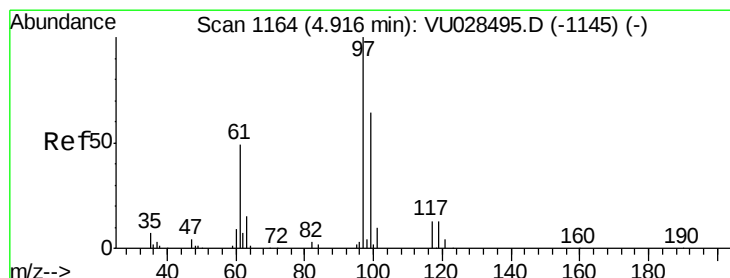
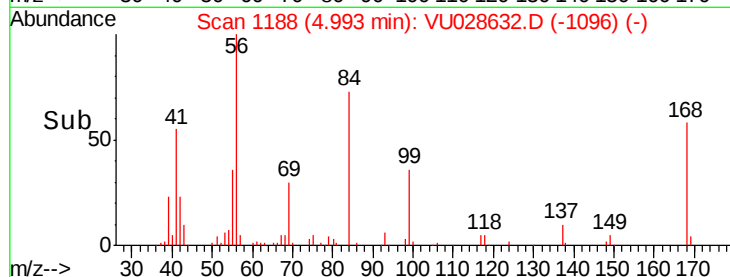
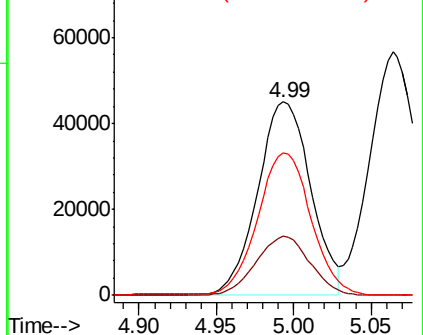
#31
Cyclohexane
Concen: 51.199 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion: 56 Resp: 107808
Ion Ratio Lower Upper
56 100
69 30.5 24.0 36.0
84 73.0 59.7 89.5

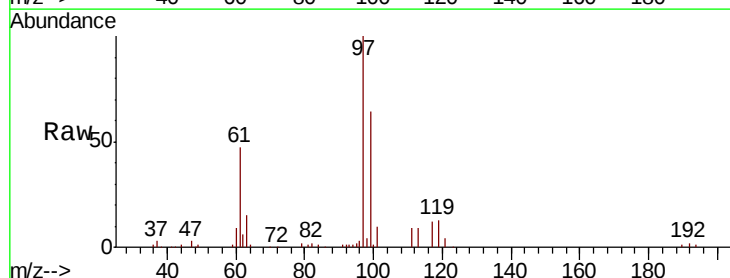


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

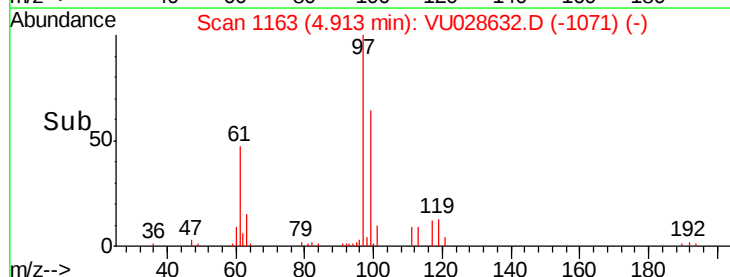
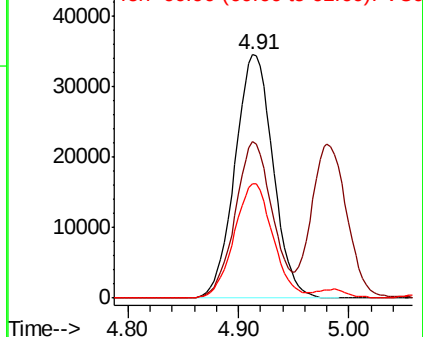


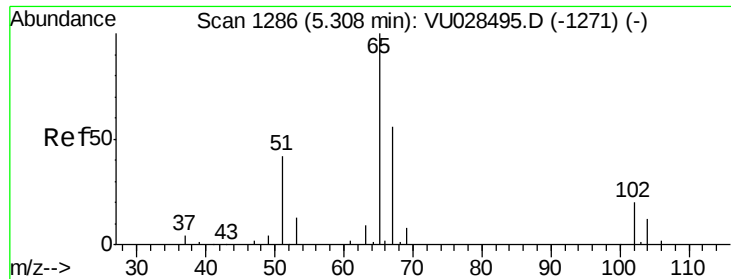
#32
1,1,1-Trichloroethane
Concen: 52.835 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 97 Resp: 82570
Ion Ratio Lower Upper
97 100
99 62.6 52.3 78.5
61 47.8 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

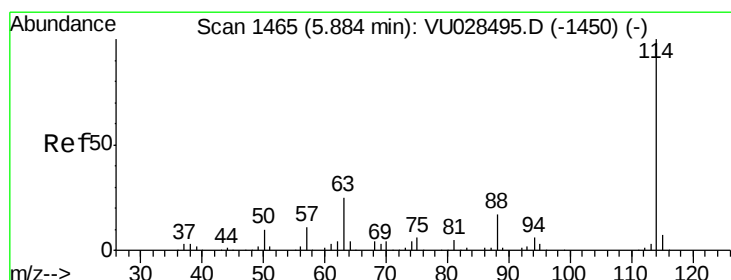
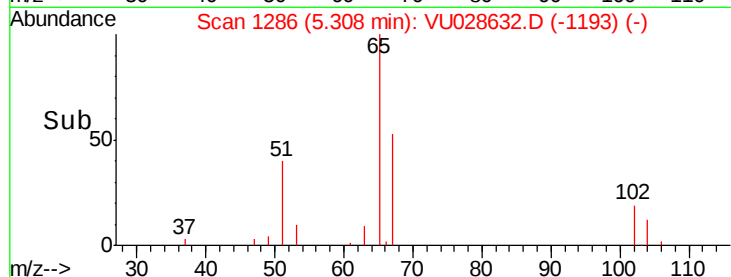
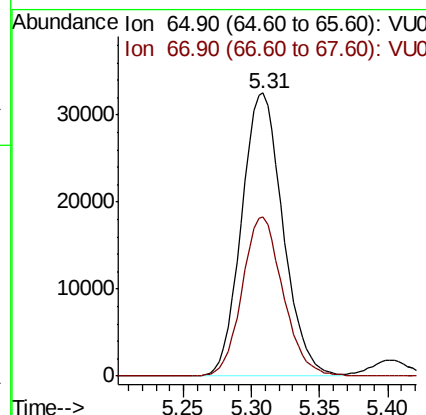
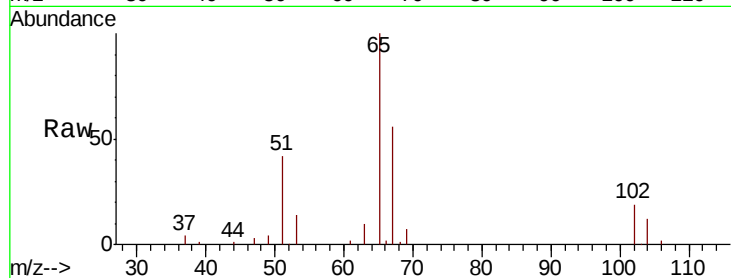




#33
 1,2-Dichloroethane-d4
 Concen: 55.811 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

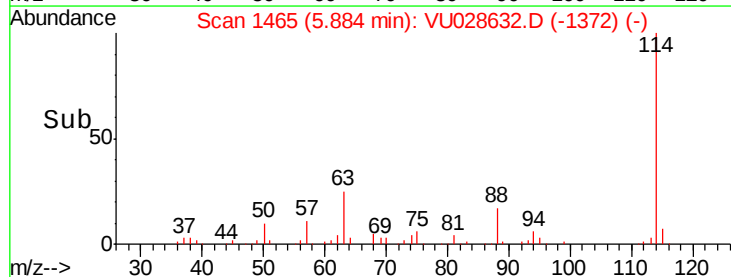
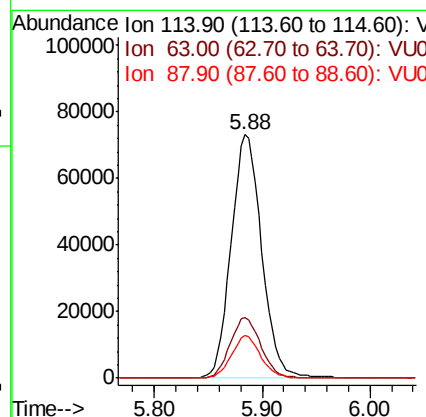
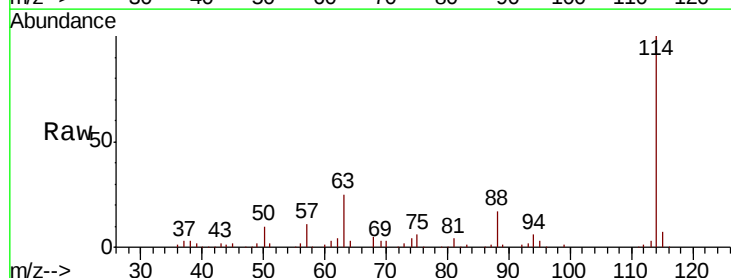
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

Tot Ion: 65 Resp: 68582
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 114 Resp: 144761
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.3 0.0 33.4

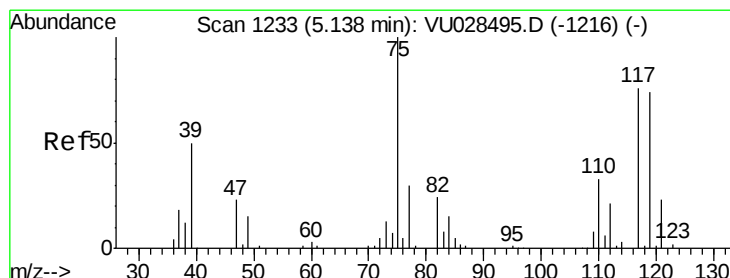
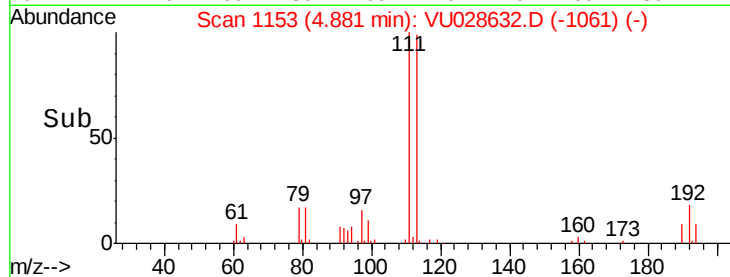
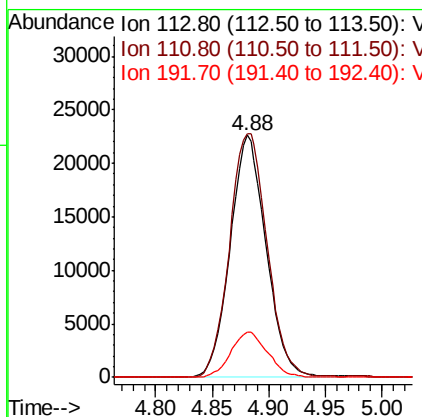
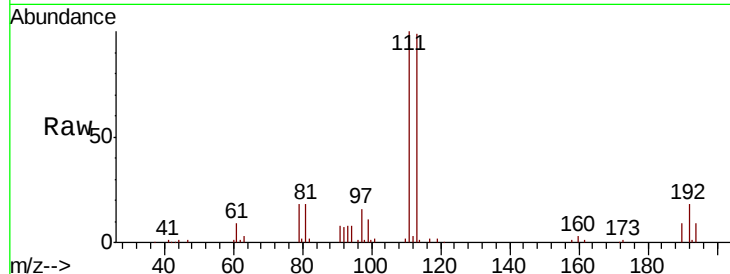




#35
 Dibromofluoromethane
 Concen: 54.926 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

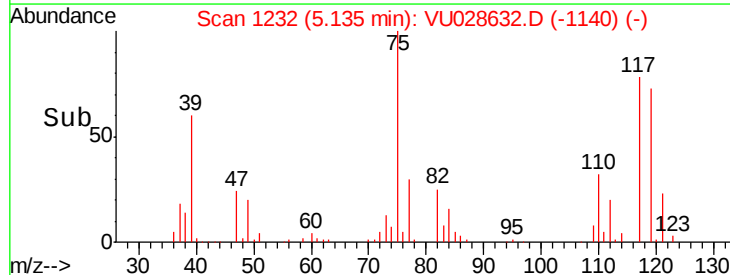
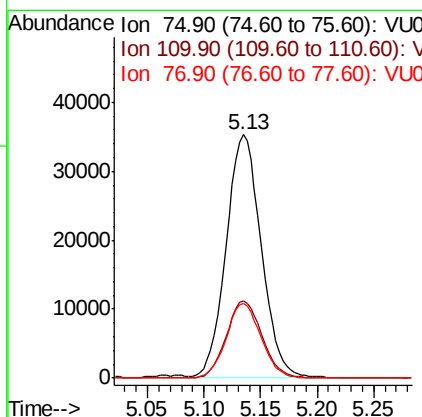
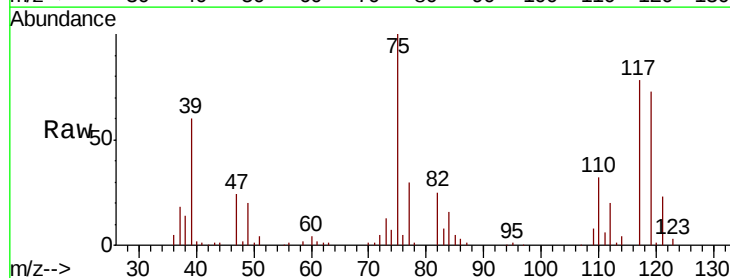
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

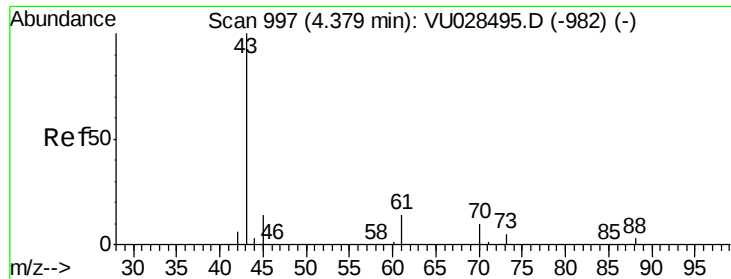
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.4	125.0
192	19.0	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 48.258 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.1	48.2
77	30.3	24.5	36.7

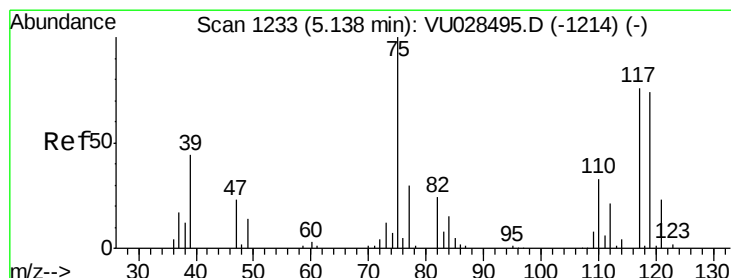
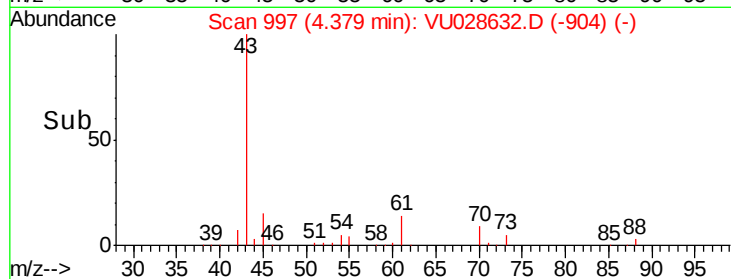
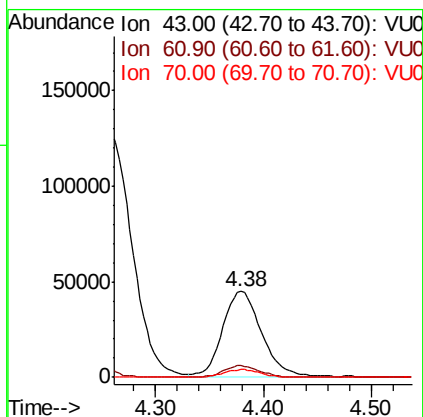
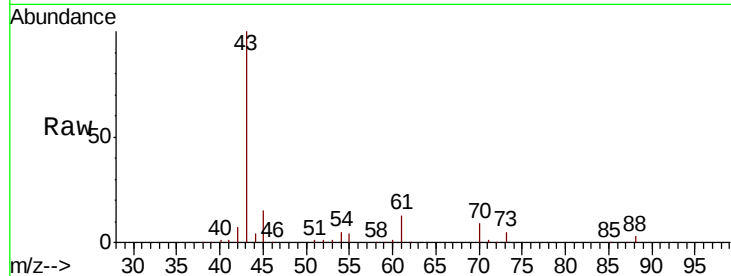




#37
Ethyl Acetate
Concen: 54.539 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

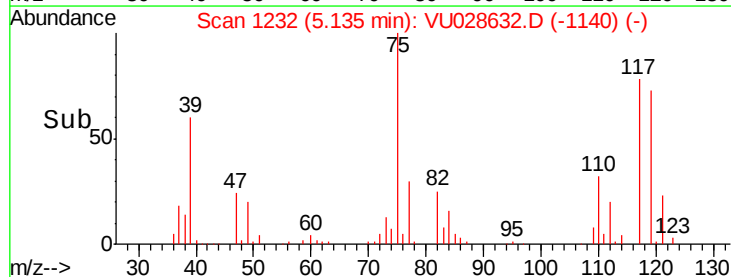
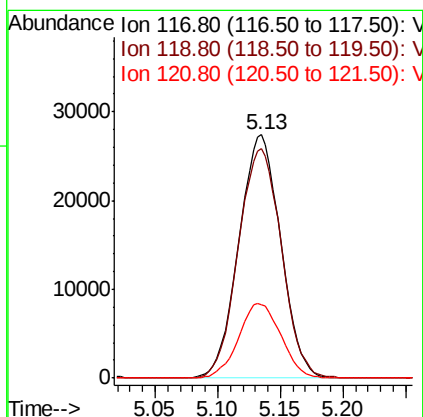
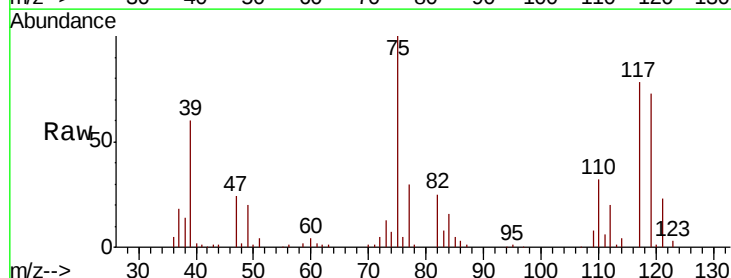
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

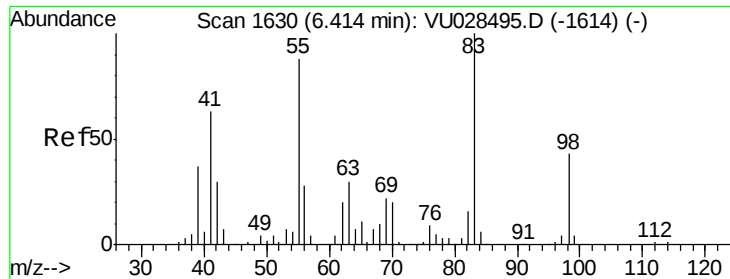
Tot Ion: 43 Resp: 111683
Ion Ratio Lower Upper
43 100
61 13.2 11.0 16.4
70 8.7 7.4 11.0



#38
Carbon Tetrachloride
Concen: 49.824 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 117 Resp: 63614
Ion Ratio Lower Upper
117 100
119 94.1 77.6 116.4
121 30.1 24.6 36.8

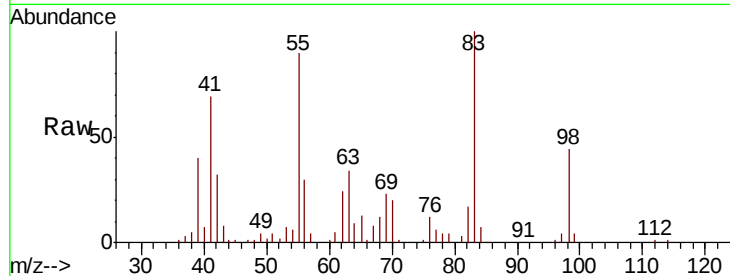




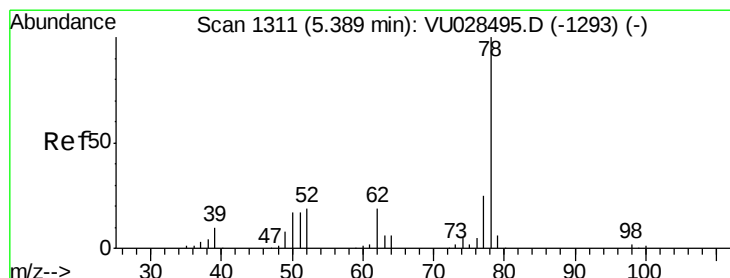
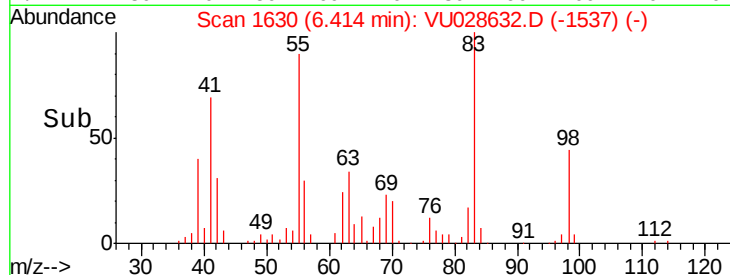
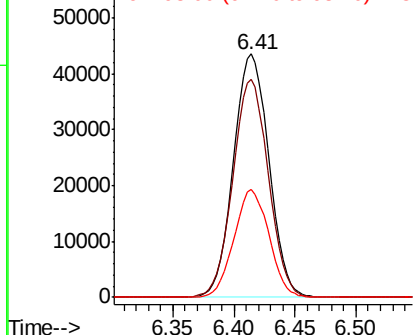
#39
Methylvlcvclohexane
Concen: 45.449 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion: 83 Resp: 87833
Ion Ratio Lower Upper
83 100
55 89.6 70.2 105.2
98 44.1 34.2 51.4

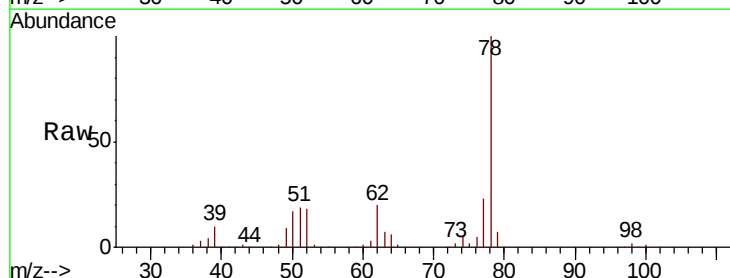


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

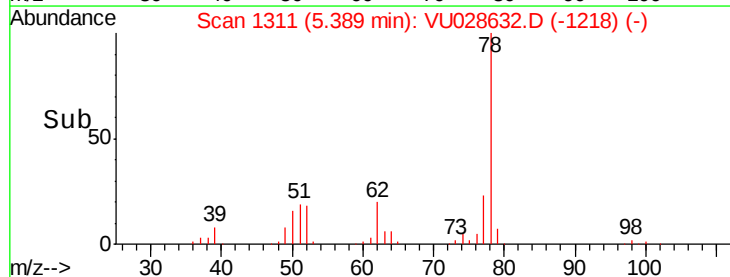
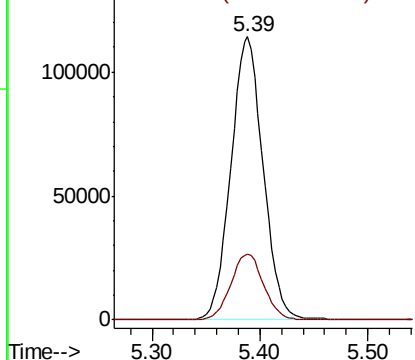


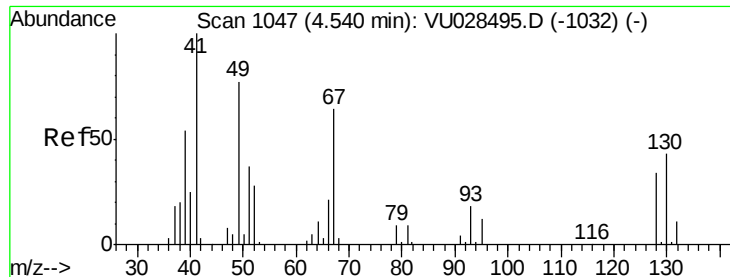
#40
Benzene
Concen: 50.944 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 78 Resp: 237682
Ion Ratio Lower Upper
78 100
77 23.1 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: 57.417 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion: 41 Resp: 64390

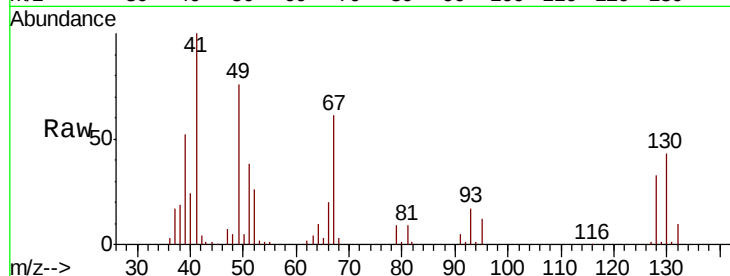
Ion Ratio Lower Upper

41 100

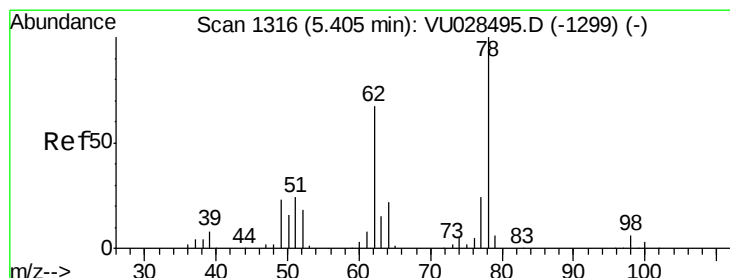
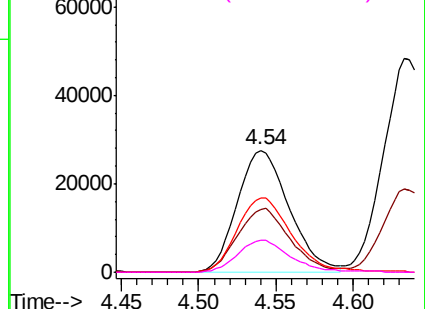
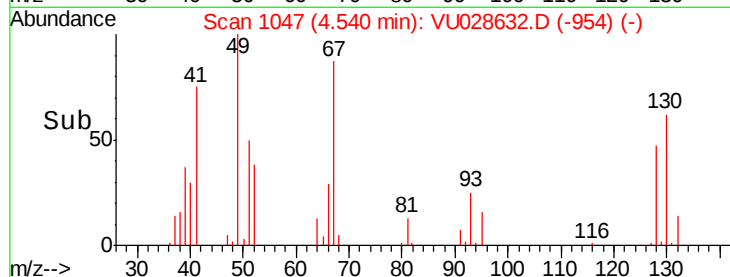
39 53.4 43.3 64.9

67 64.2 53.6 80.4

52 27.0 22.1 33.1



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



#42

1,2-Dichloroethane

Concen: 50.808 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028632.D

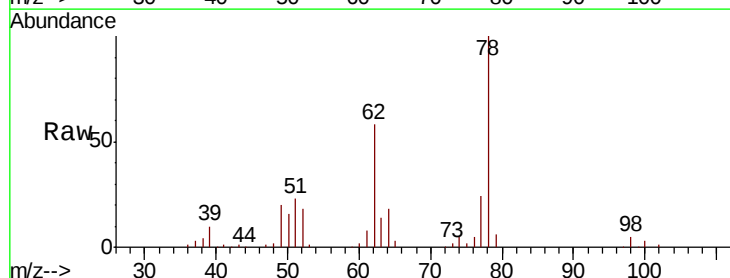
Acq: 12 Dec 2018 01:17

Tgt Ion: 62 Resp: 82975

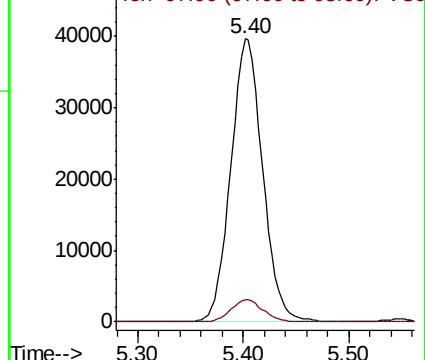
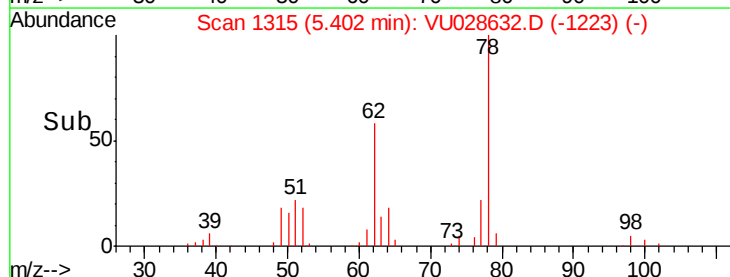
Ion Ratio Lower Upper

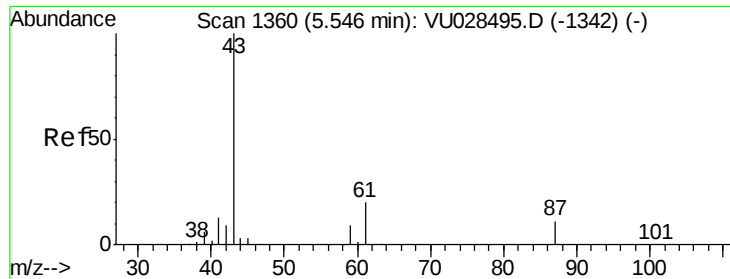
62 100

98 7.8 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 51.704 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

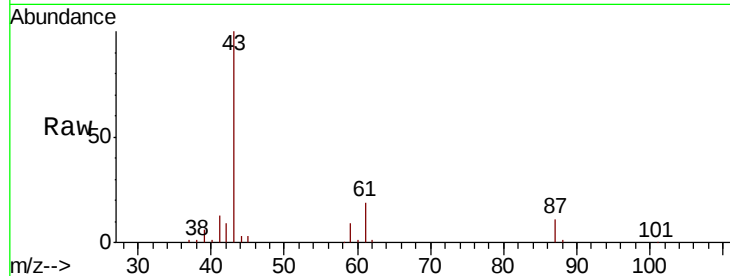
Tot Ion: 43 Resp: 167467

Ion Ratio Lower Upper

43 100

61 18.5 15.5 23.3

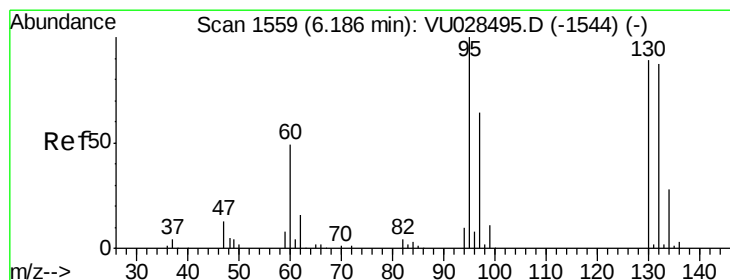
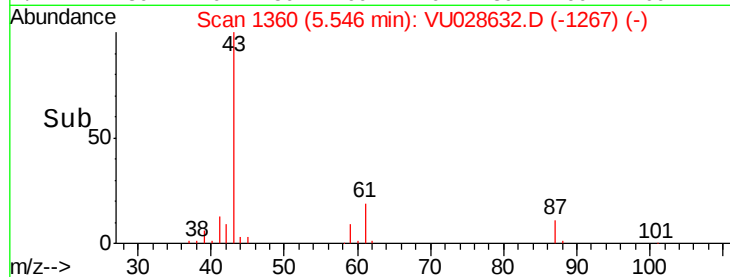
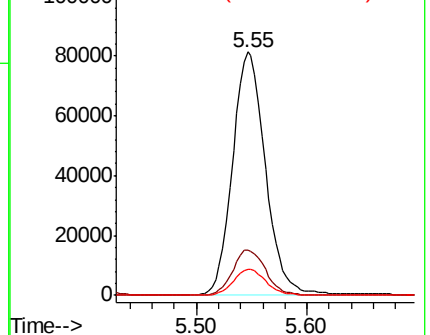
87 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 48.206 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028632.D

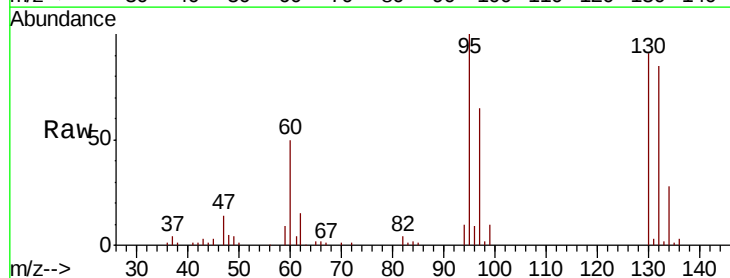
Acq: 12 Dec 2018 01:17

Tgt Ion:130 Resp: 50008

Ion Ratio Lower Upper

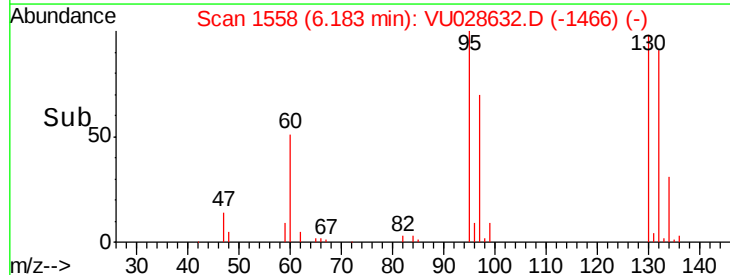
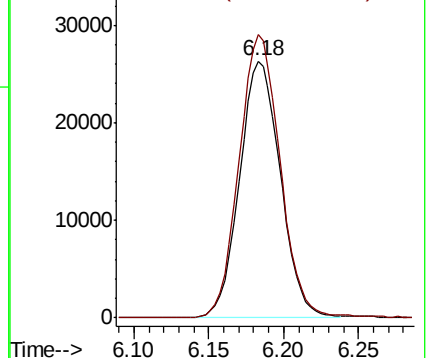
130 100

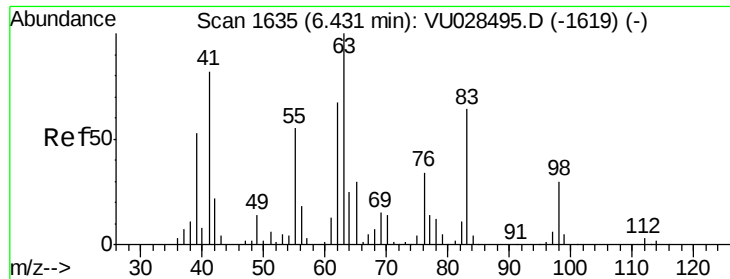
95 110.2 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 53.212 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

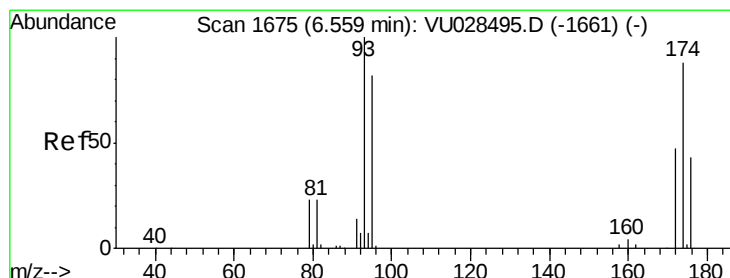
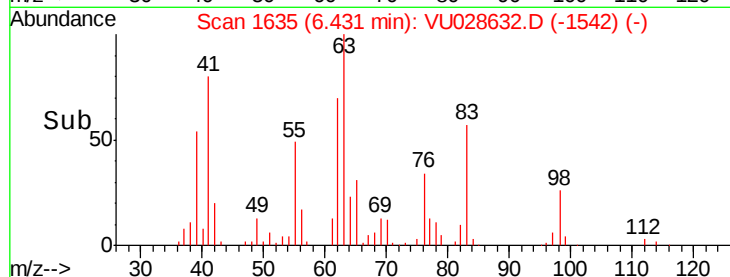
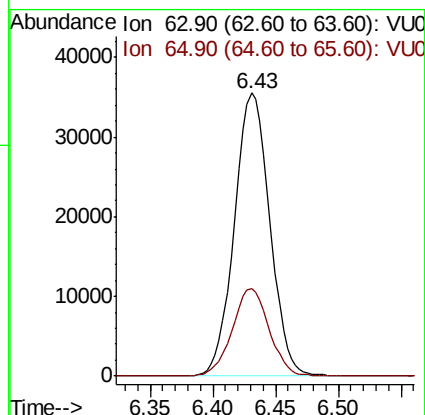
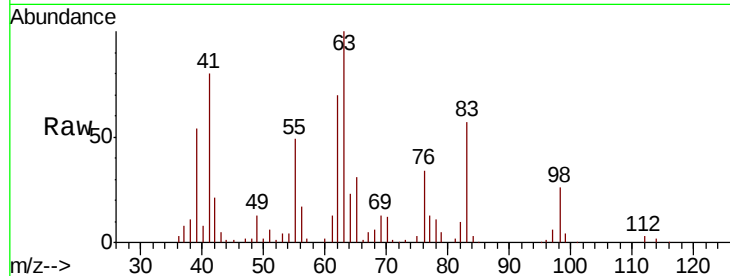
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion: 63 Resp: 69813

Ion Ratio Lower Upper

63 100

65 30.9 24.2 36.4



#46

Dibromomethane

Concen: 51.366 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

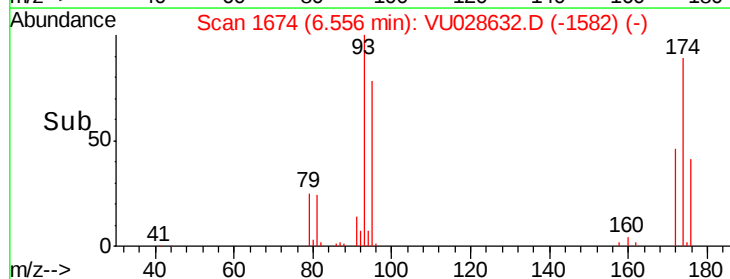
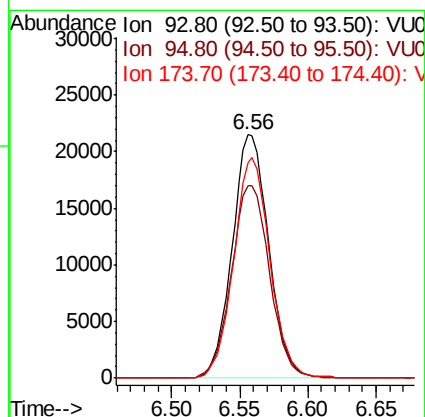
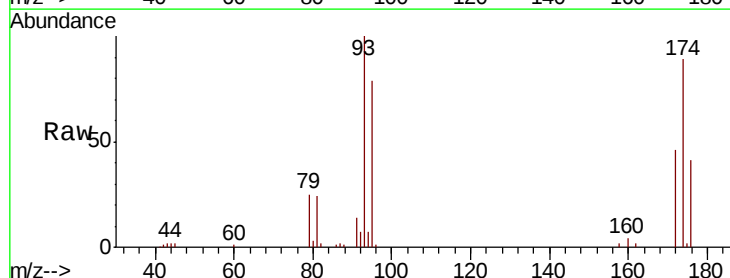
Tgt Ion: 93 Resp: 39985

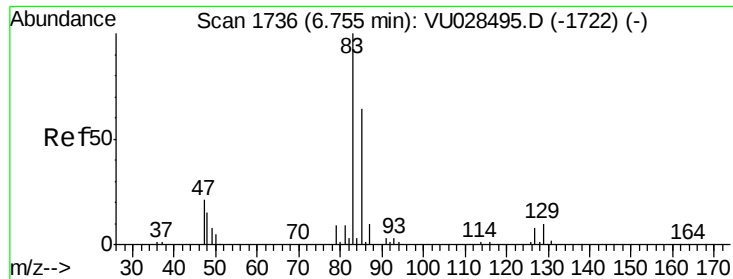
Ion Ratio Lower Upper

93 100

95 82.4 65.4 98.2

174 90.0 72.2 108.4

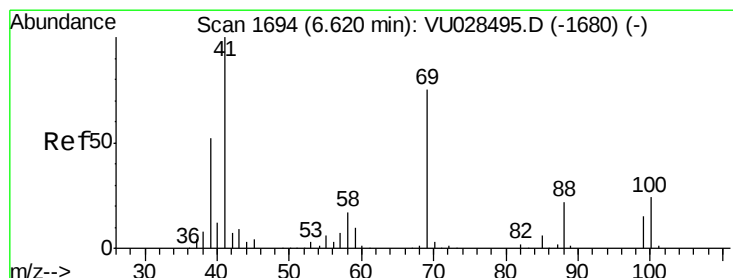
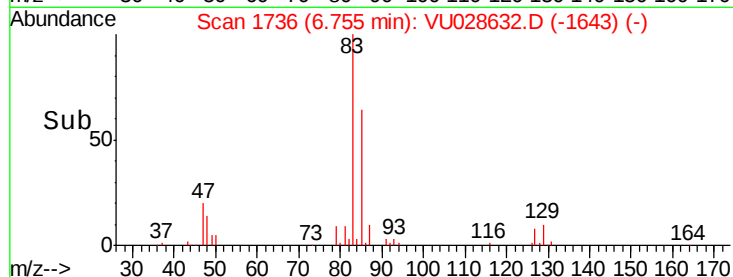
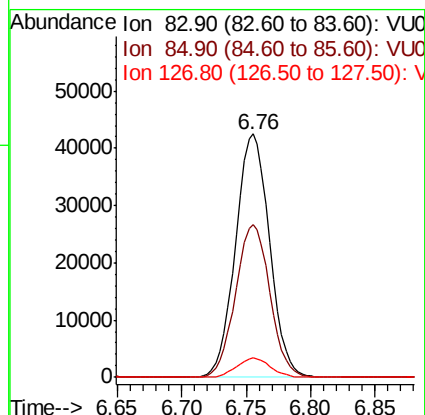
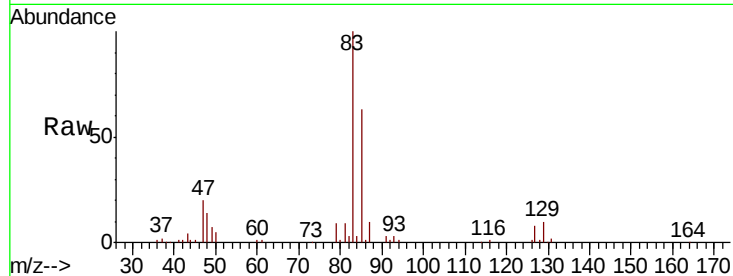




#47
 Bromodichloromethane
 Concen: 51.518 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

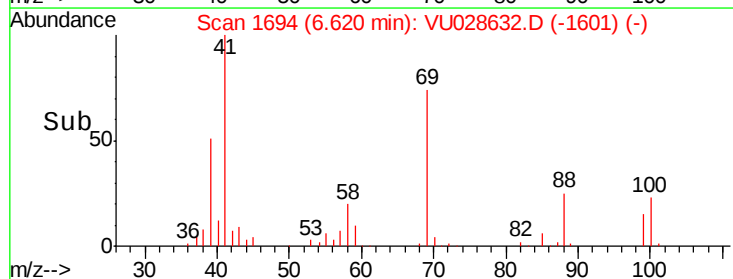
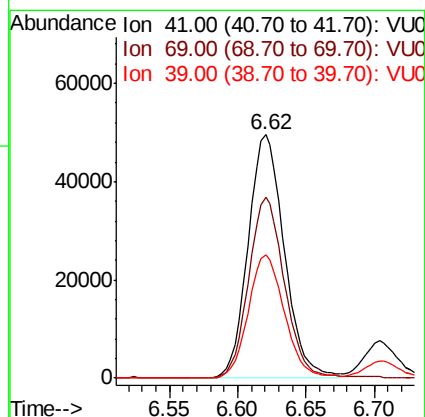
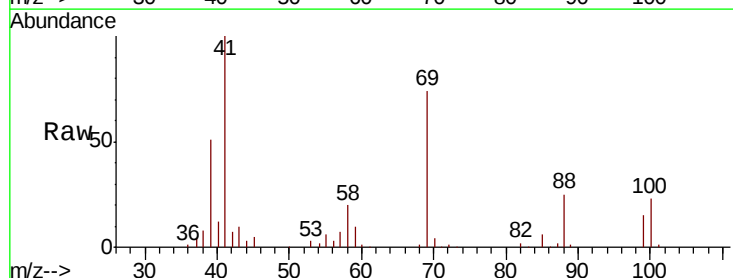
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

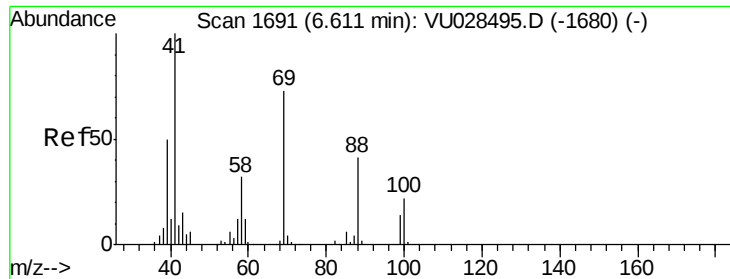
Tot Ion: 83 Resp: 78039
 Ion Ratio Lower Upper
 83 100
 85 63.0 51.5 77.3
 127 7.8 6.2 9.4



#48
 Methyl methacrylate
 Concen: 56.689 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 41 Resp: 91311
 Ion Ratio Lower Upper
 41 100
 69 73.4 60.4 90.6
 39 50.9 41.1 61.7

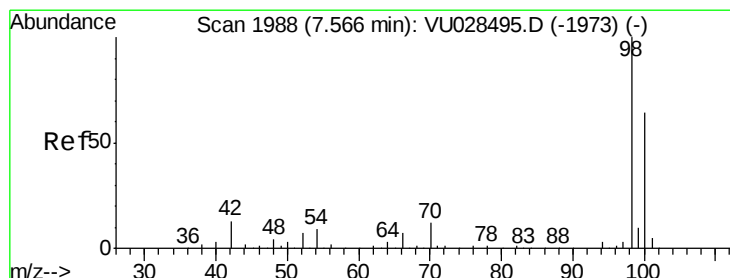
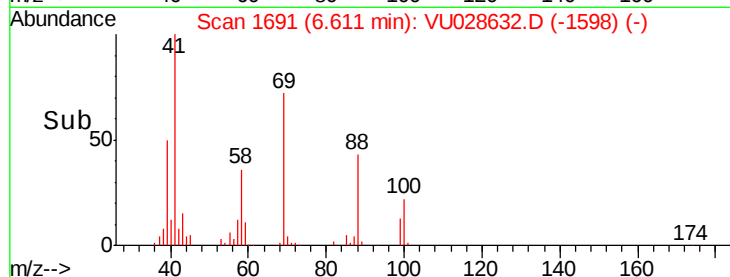
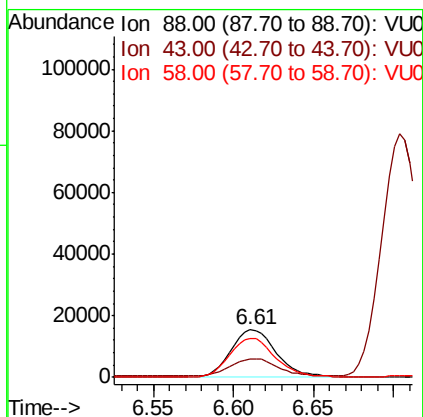
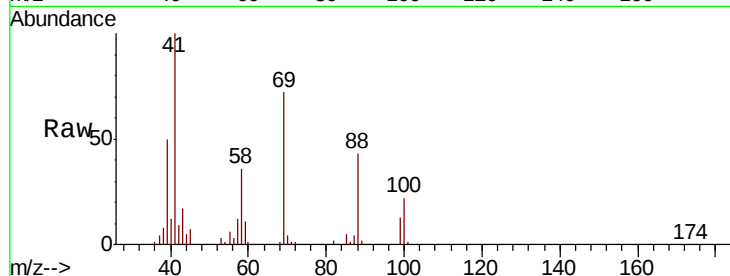




#49
1,4-Dioxane
Concen: 1184.558 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

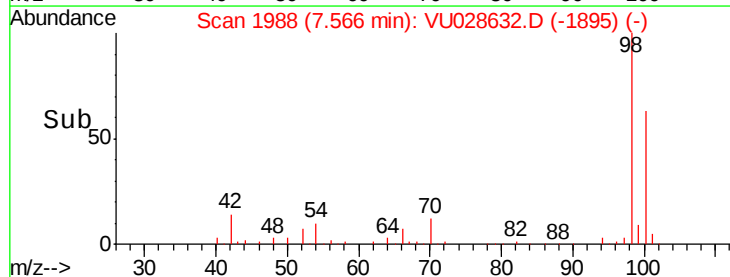
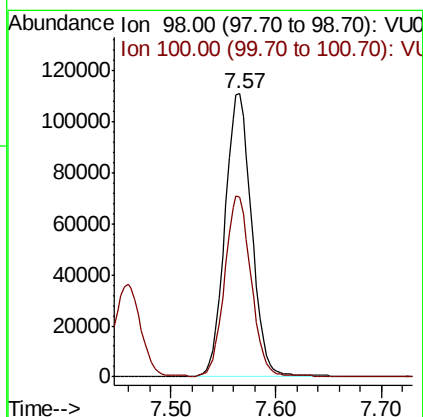
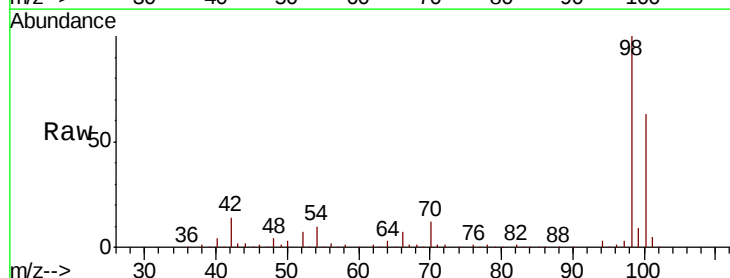
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

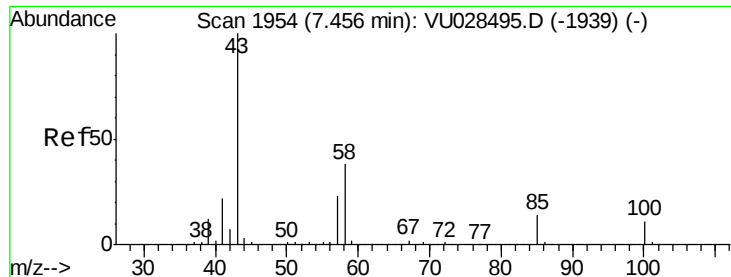
Tot Ion: 88 Resp: 30127
Ion Ratio Lower Upper
88 100
43 37.2 30.9 46.3
58 82.8 62.4 93.6



#50
Toluene-d8
Concen: 53.883 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 98 Resp: 194179
Ion Ratio Lower Upper
98 100
100 62.4 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 287.971 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

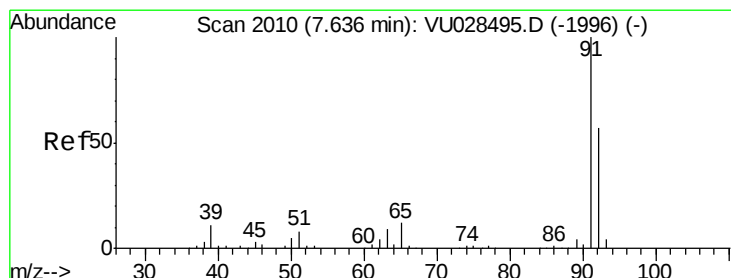
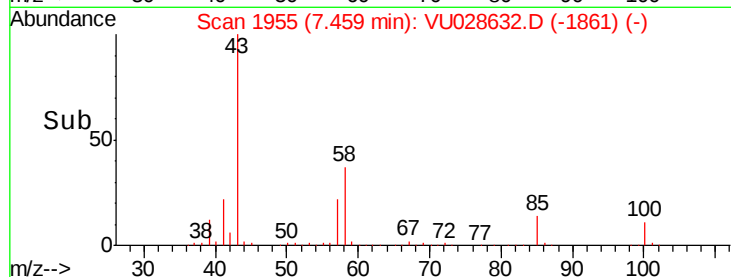
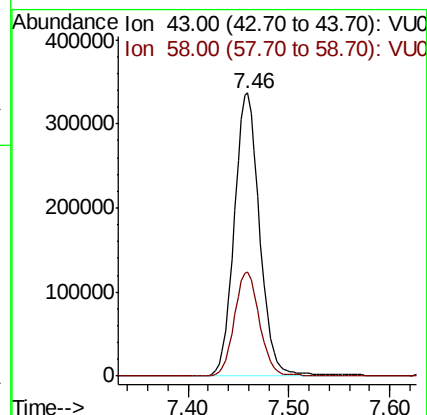
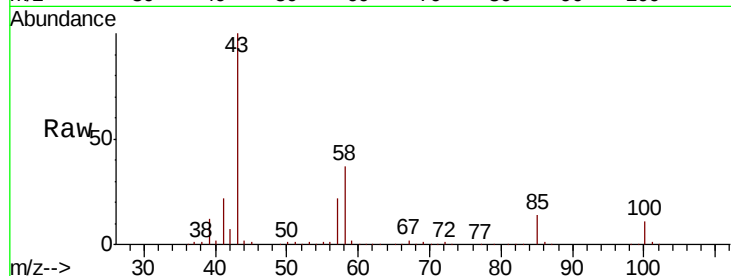
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion: 43 Resp: 588282

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.2



#52

Toluene

Concen: 49.010 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028632.D

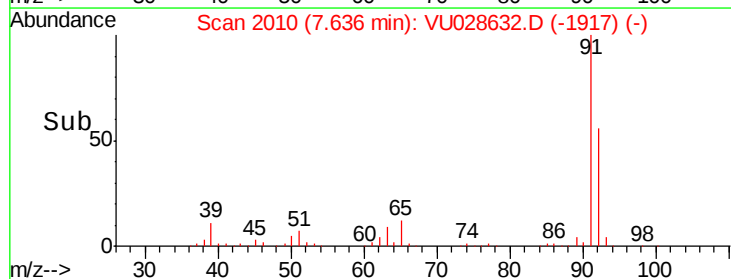
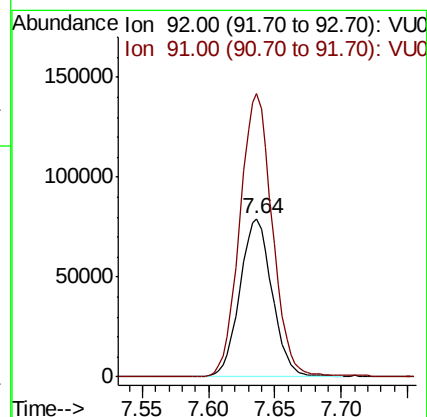
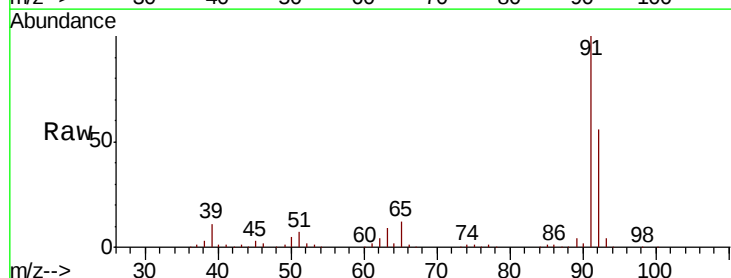
Acq: 12 Dec 2018 01:17

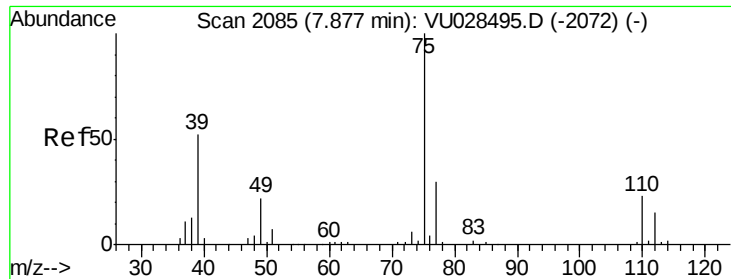
Tgt Ion: 92 Resp: 134569

Ion Ratio Lower Upper

92 100

91 180.7 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 49.655 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

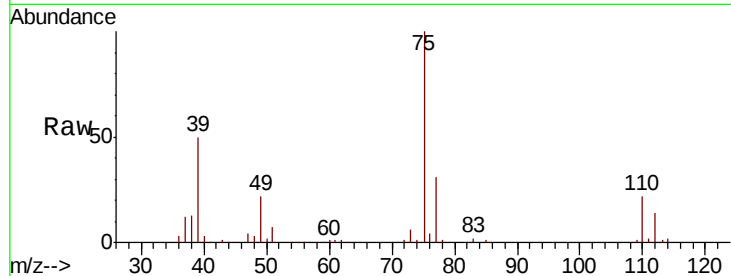
P001-SW001-01MS

Tot Ion: 75 Resp: 89582

Ion Ratio Lower Upper

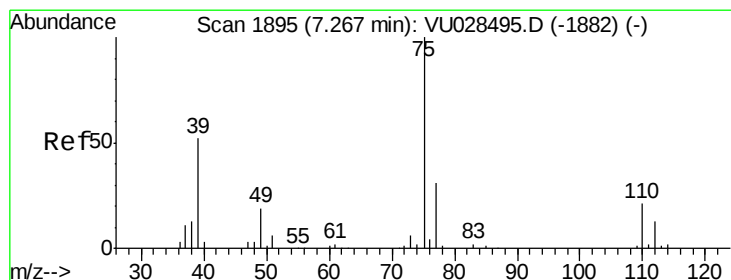
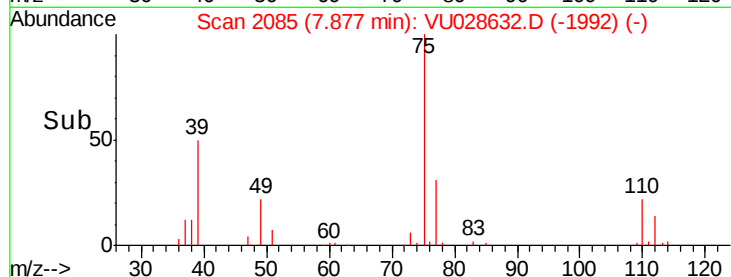
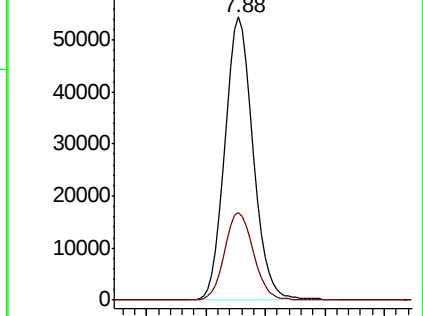
75 100

77 30.8 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 48.893 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

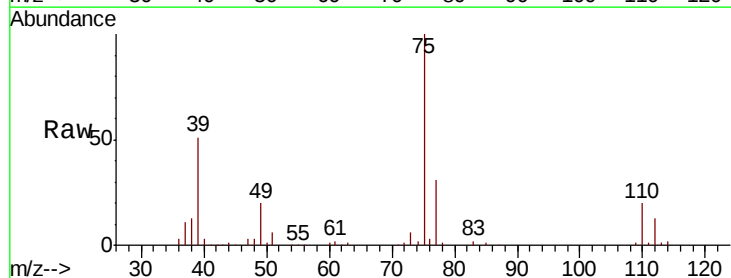
Tgt Ion: 75 Resp: 95699

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.4

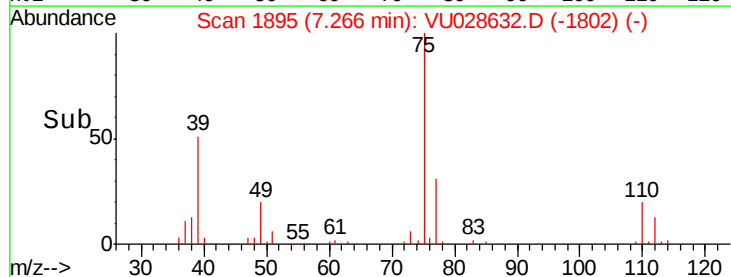
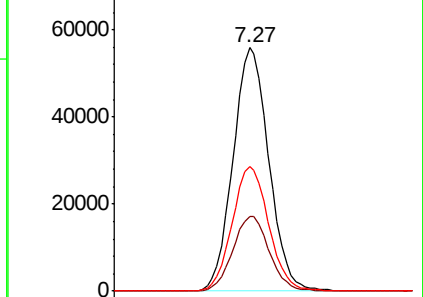
39 51.4 41.3 61.9

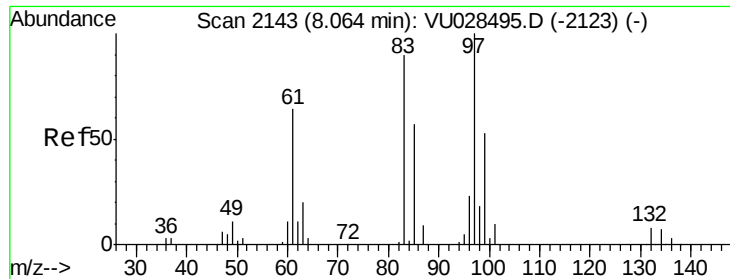


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

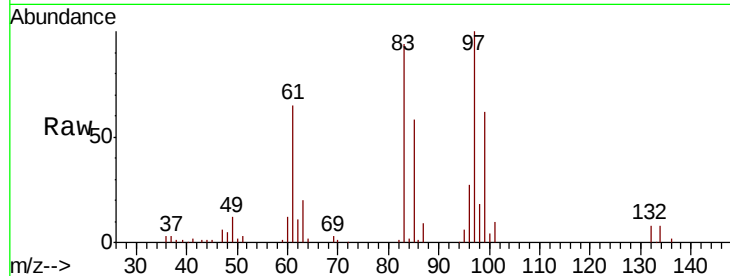




#55
 1,1,2-Trichloroethane
 Concen: 52.854 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

Tot Ion:	97	Resp:	57367
Ion	Ratio	Lower	Upper
97	100		
83	93.7	72.4	108.6
85	58.0	46.0	69.0
99	61.9	47.4	71.2



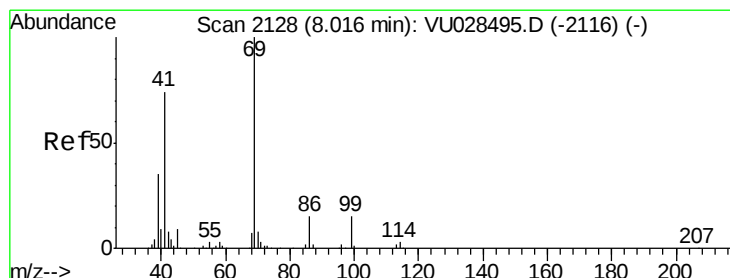
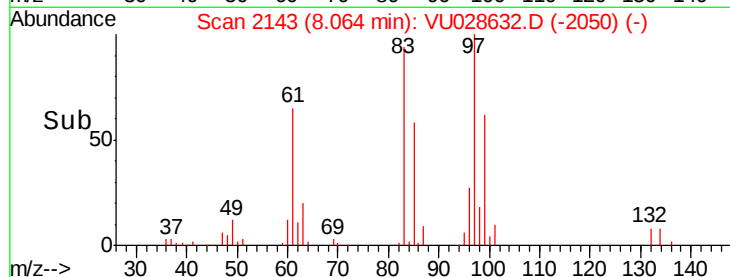
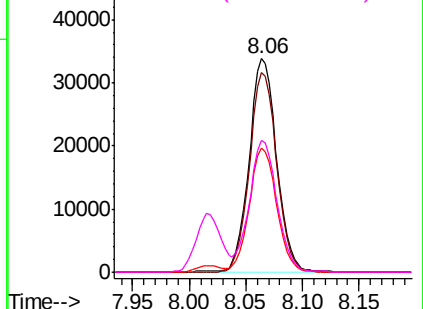
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

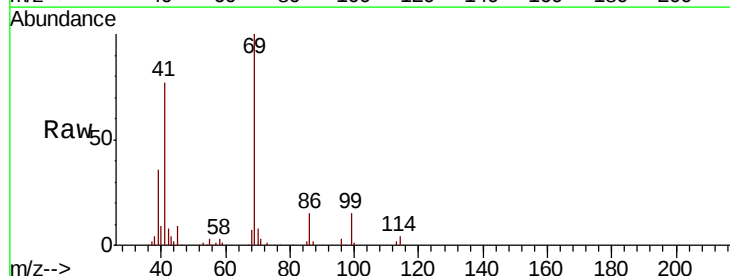
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 53.625 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion:	69	Resp:	99670
Ion	Ratio	Lower	Upper
69	100		
41	77.1	59.1	88.7
39	35.4	28.4	42.6

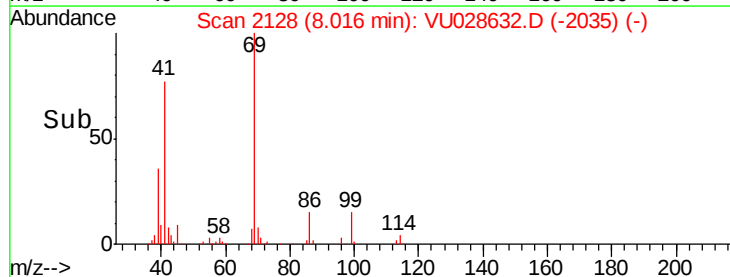
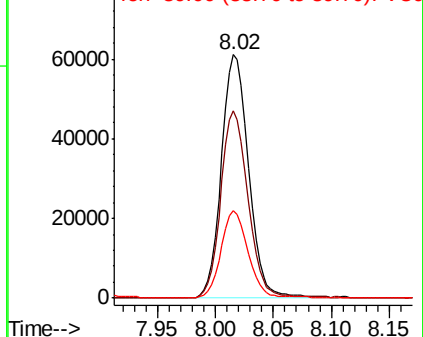


Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

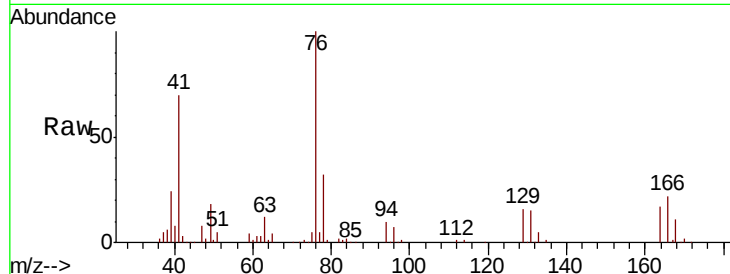




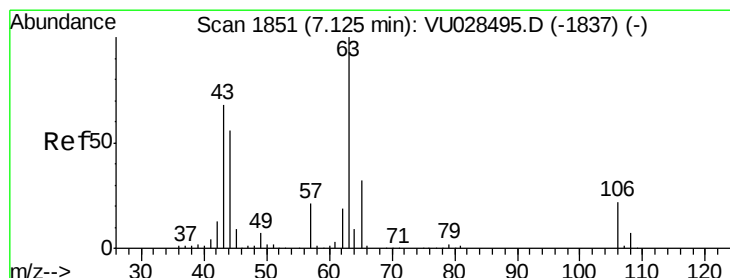
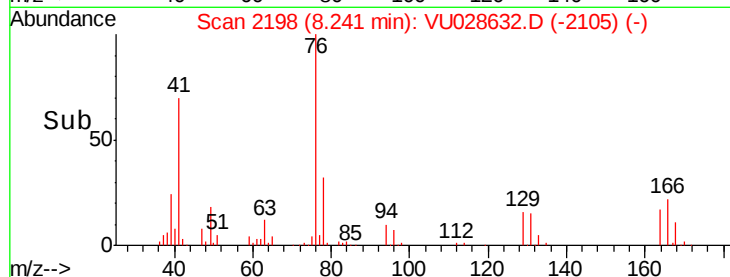
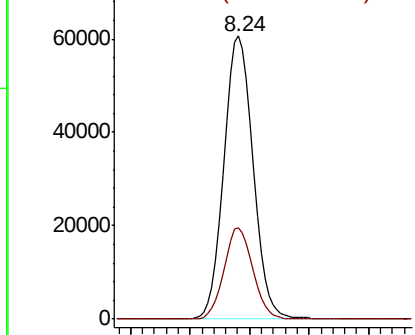
#57
 1,3-Dichloropropane
 Concen: 51.197 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

Tot Ion: 76 Resp: 103150
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

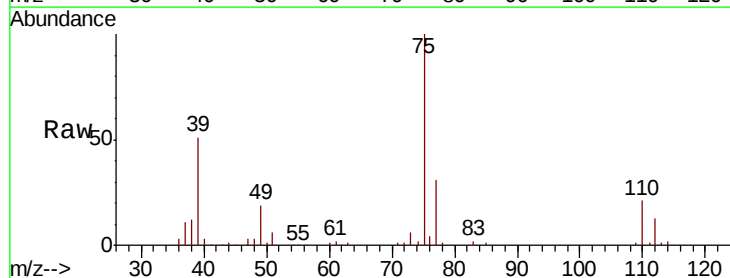


Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

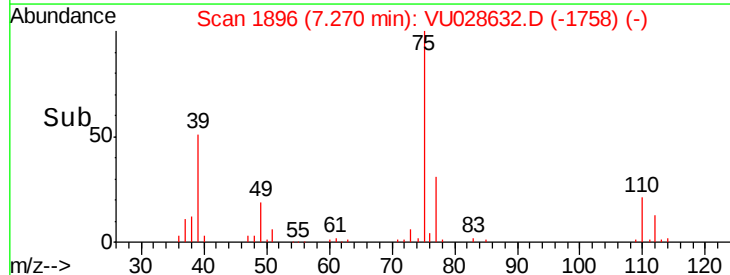
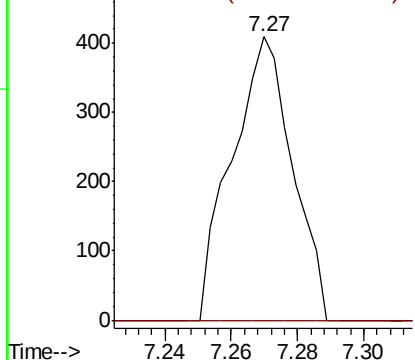


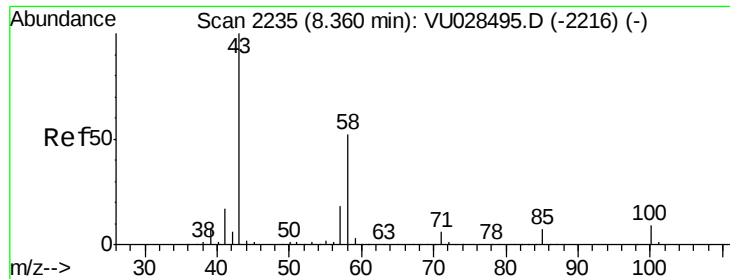
#58
 2-Chloroethyl Vinyl ether
 Concen: 0.545 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.14 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 63 Resp: 519
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 105.90 (105.60 to 106.60): V

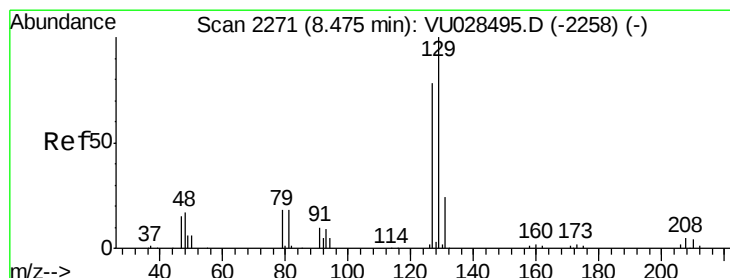
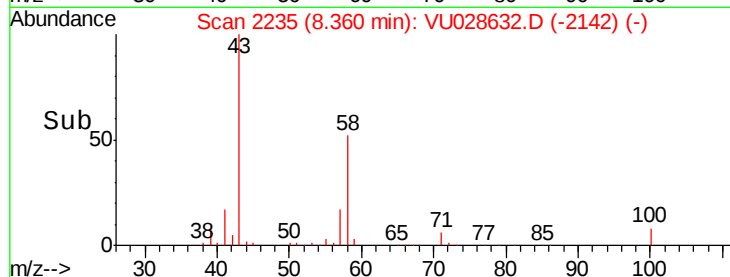
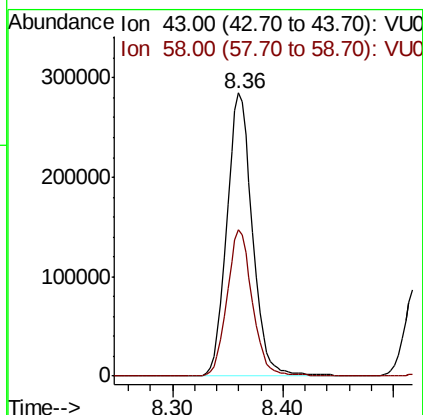
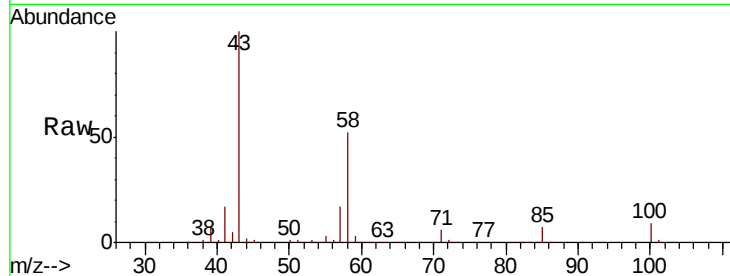




#59
2-Hexanone
Concen: 282.022 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

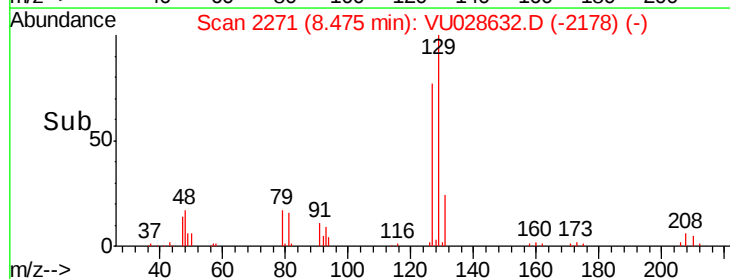
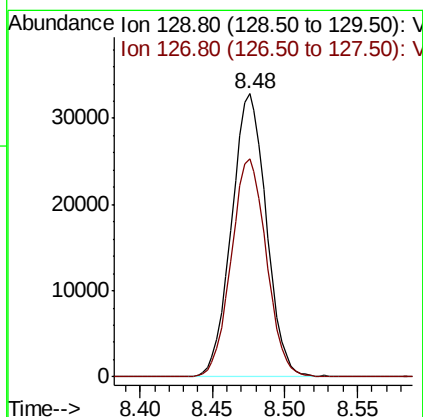
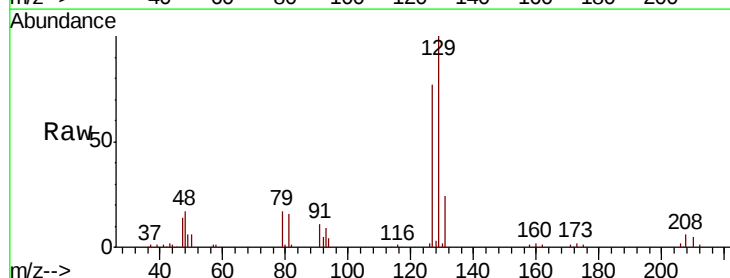
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

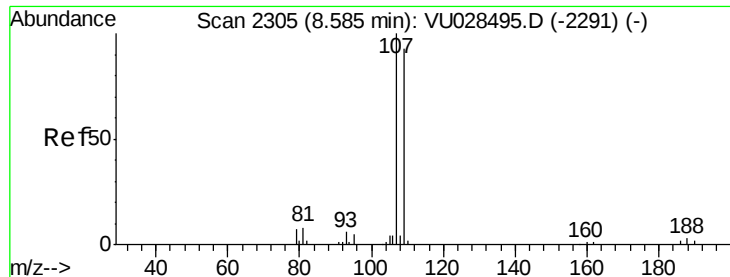
Tot Ion: 43 Resp: 456643
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.6



#60
Dibromochloromethane
Concen: 51.465 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 129 Resp: 54689
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.442 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

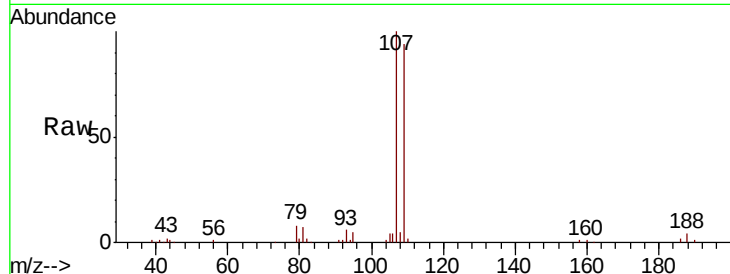
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:107 Resp: 59689

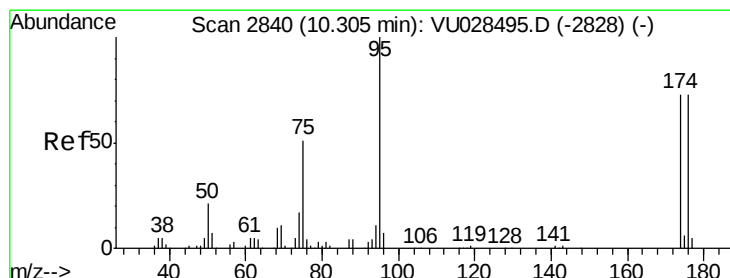
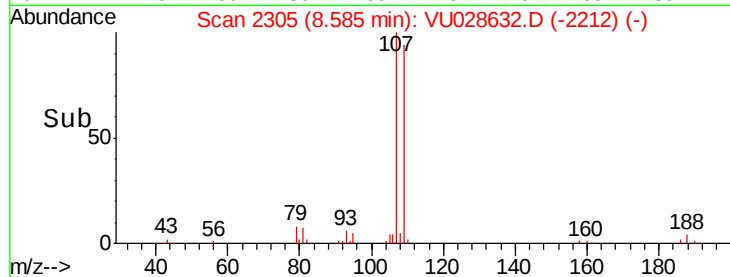
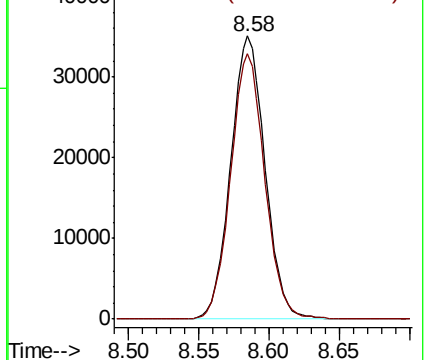
Ion Ratio Lower Upper

107 100

109 93.2 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.109 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

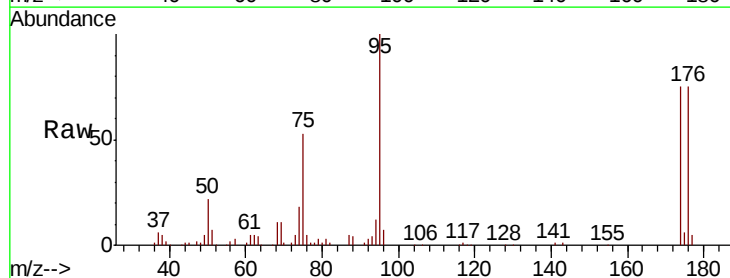
Tgt Ion: 95 Resp: 71535

Ion Ratio Lower Upper

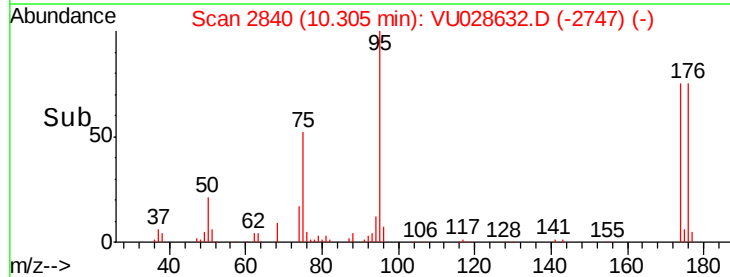
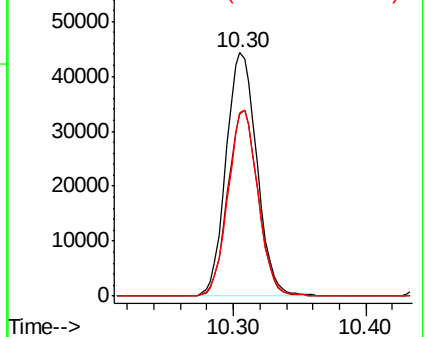
95 100

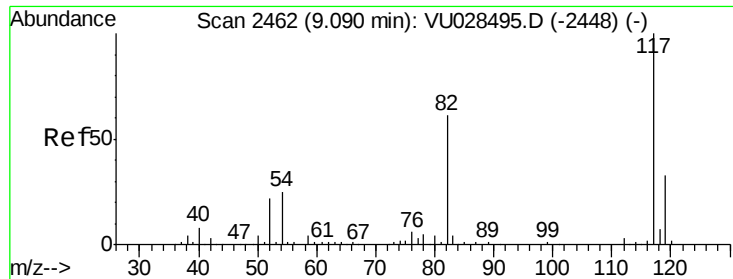
174 74.6 0.0 150.4

176 73.9 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

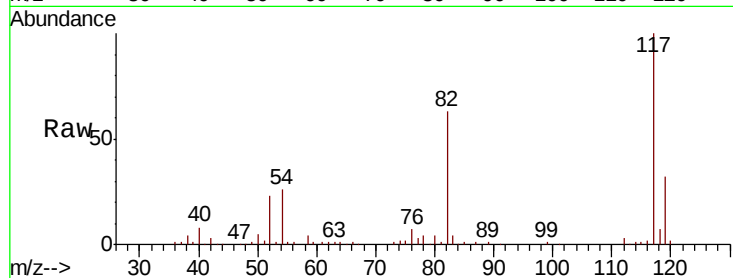




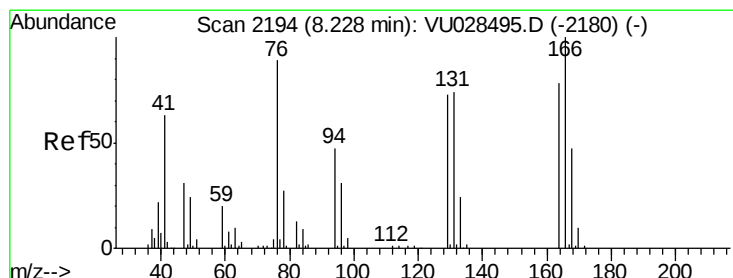
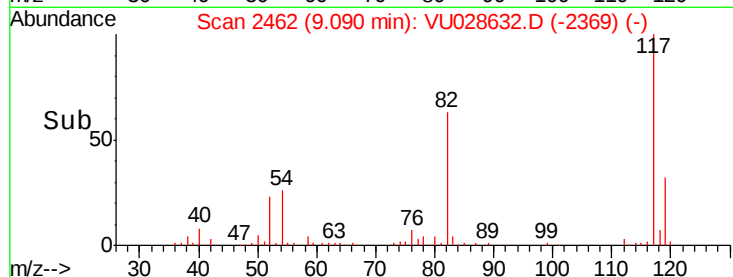
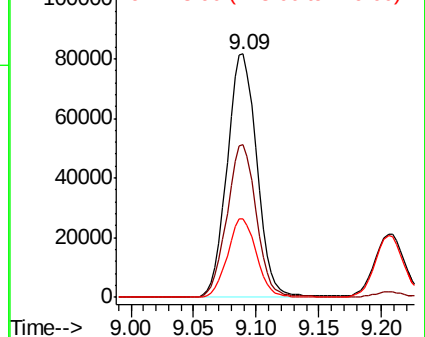
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:117 Resp: 134816
Ion Ratio Lower Upper
117 100
82 62.9 48.9 73.3
119 32.3 26.2 39.4



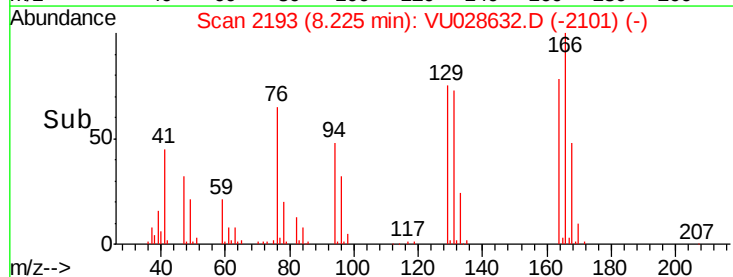
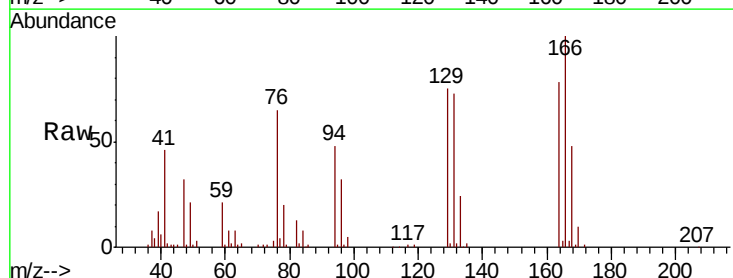
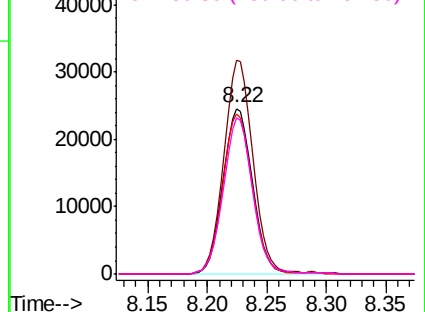
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

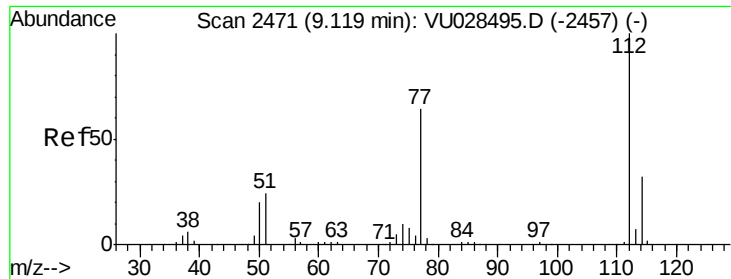


#64
Tetrachloroethene
Concen: 47.284 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion:164 Resp: 42520
Ion Ratio Lower Upper
164 100
166 128.9 101.9 152.9
129 96.4 74.9 112.3
131 93.9 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

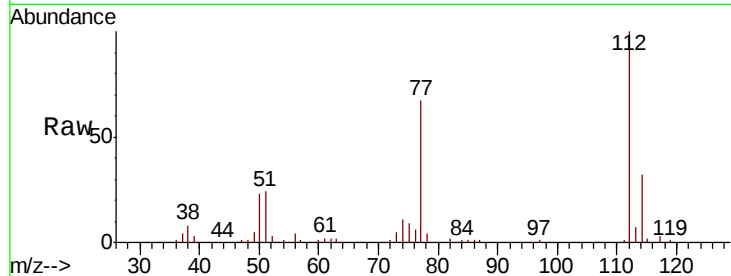




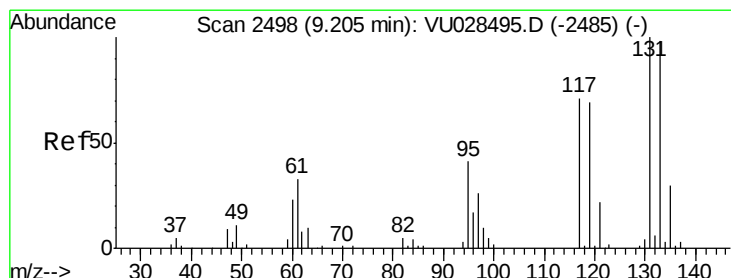
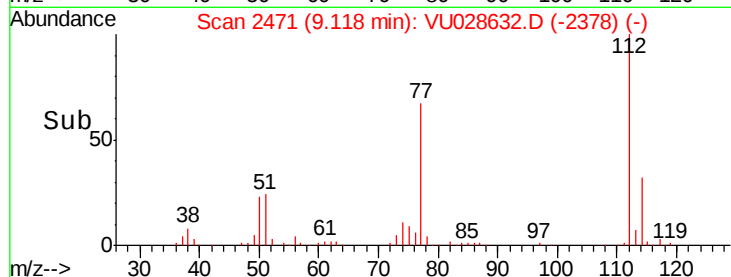
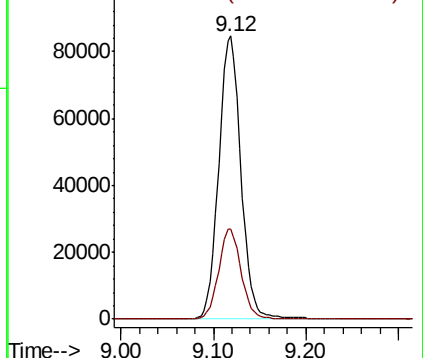
#65
Chlorobenzene
Concen: 48.935 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:112 Resp: 140581
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

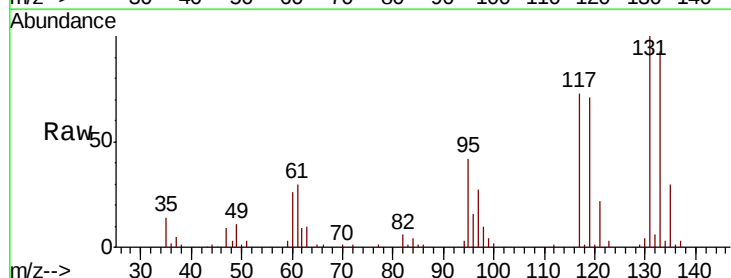


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

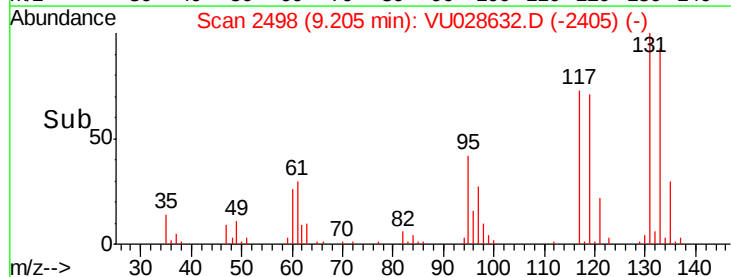
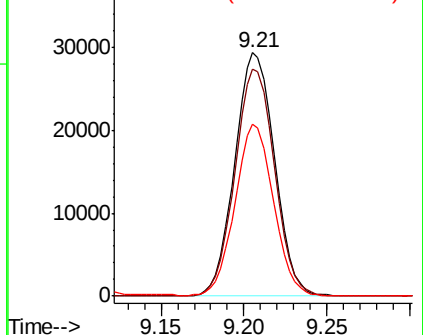


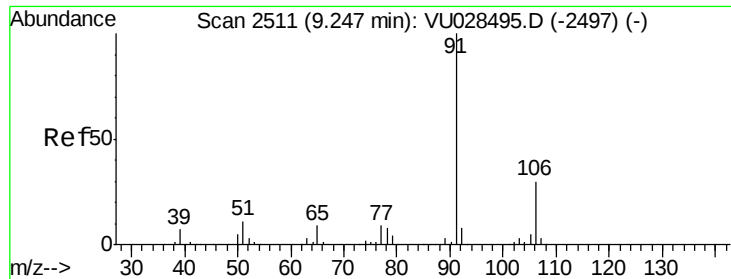
#66
1,1,1,2-Tetrachloroethane
Concen: 53.605 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion:131 Resp: 49176
Ion Ratio Lower Upper
131 100
133 93.0 48.0 144.0
119 68.3 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.664 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

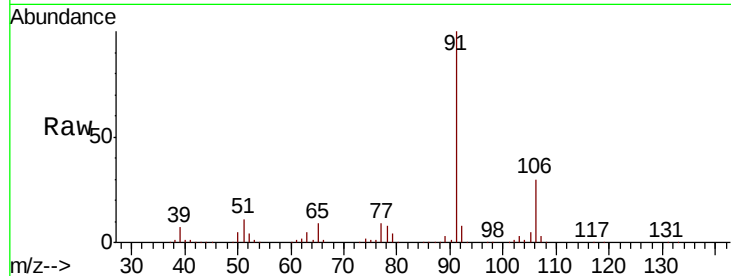
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion: 91 Resp: 262280

Ion Ratio Lower Upper

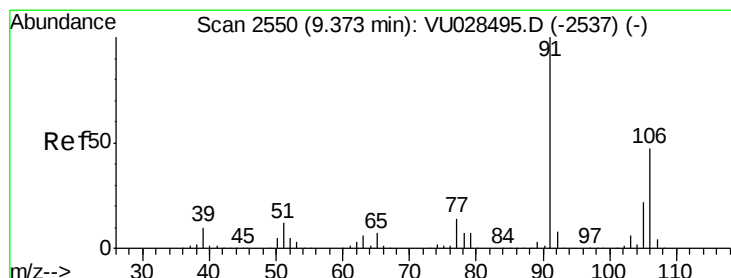
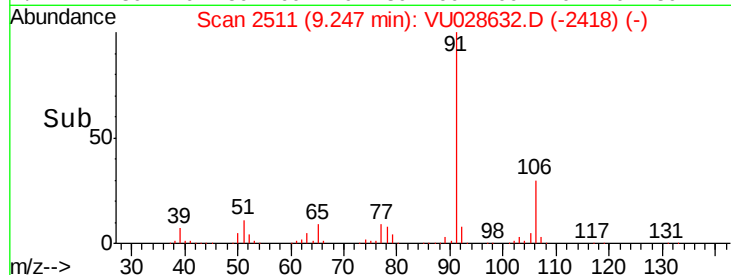
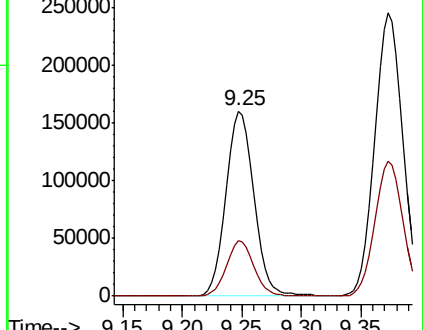
91 100

106 30.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028495.D (-2497) (-)



#68

m/p-Xylenes

Concen: 100.290 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028632.D

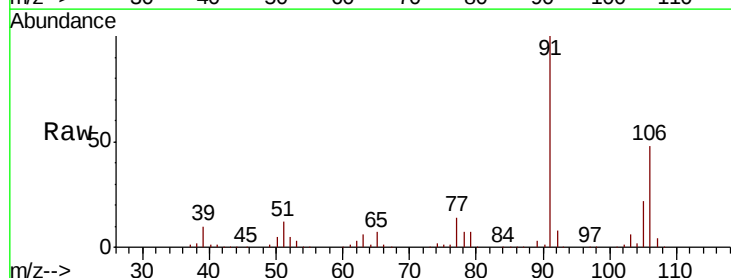
Acq: 12 Dec 2018 01:17

Tgt Ion: 106 Resp: 192724

Ion Ratio Lower Upper

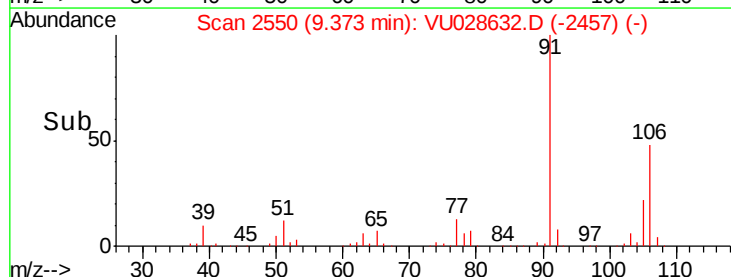
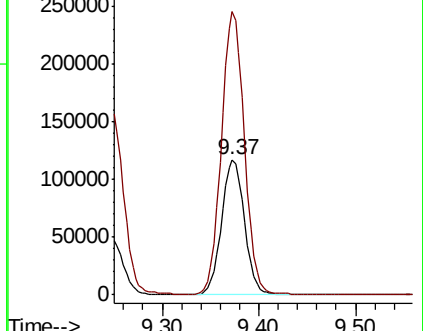
106 100

91 209.5 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028495.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-2537) (-)

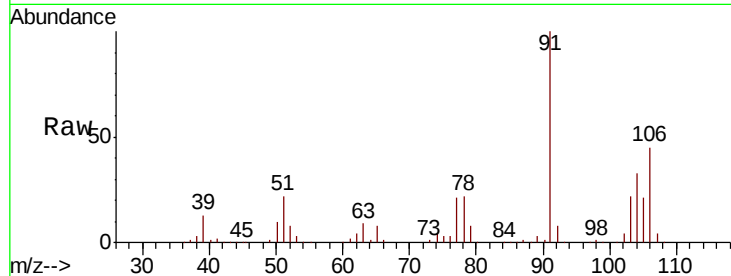




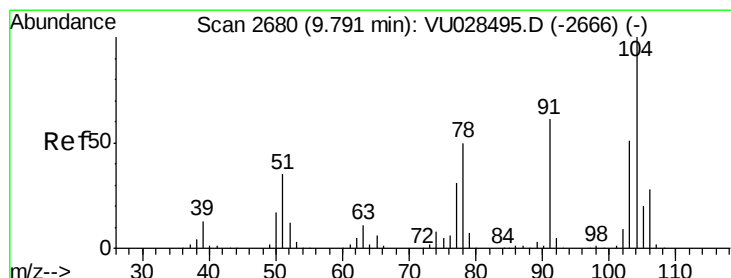
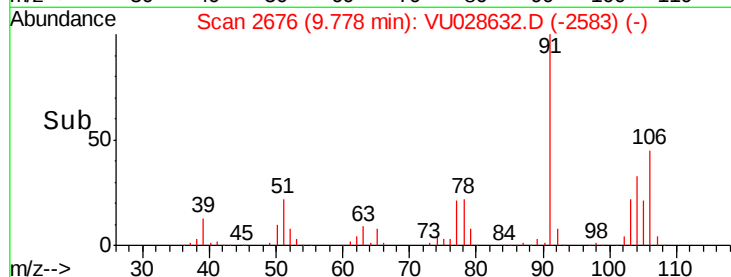
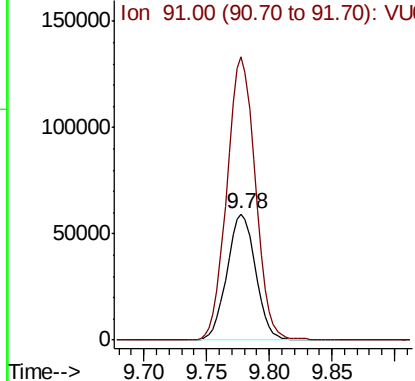
#69
o-Xylene
Concen: 50.358 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:106 Resp: 94042
Ion Ratio Lower Upper
106 100
91 223.3 111.3 334.0

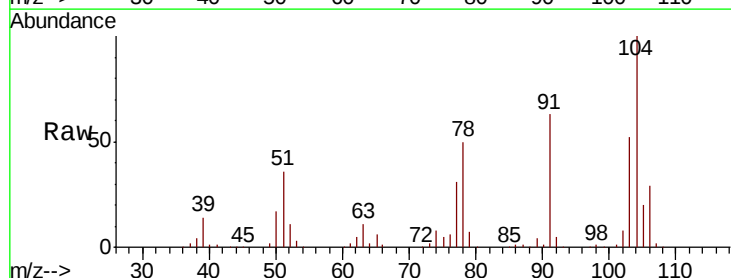


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

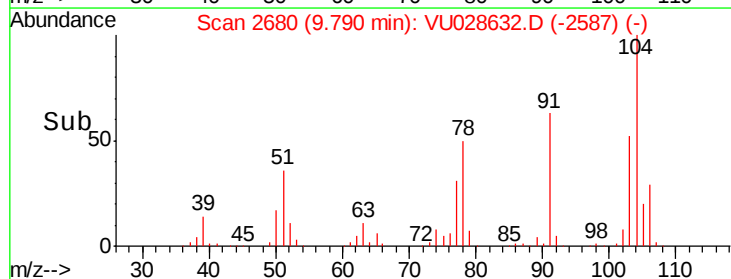
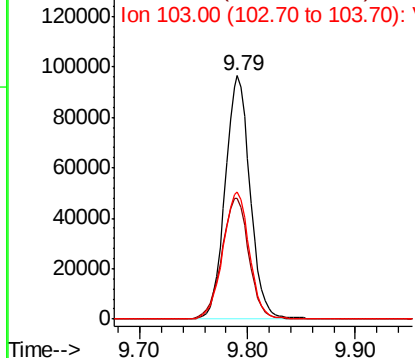


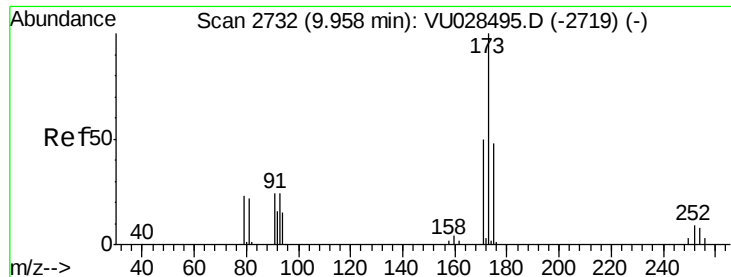
#70
Styrene
Concen: 50.349 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion:104 Resp: 155604
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 55.5 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: 53.435 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

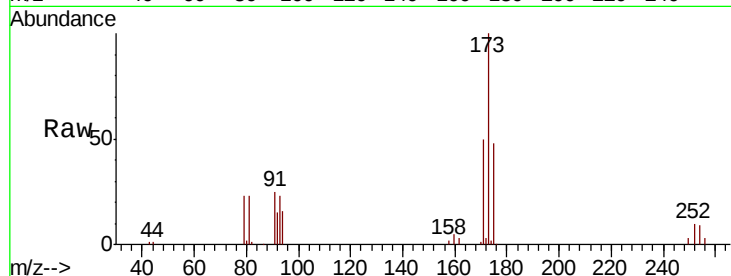
Tot Ion:173 Resp: 41701

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.8

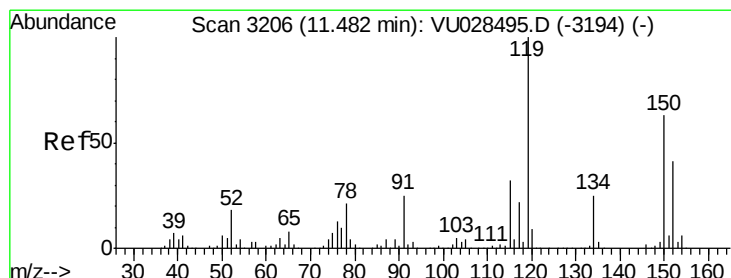
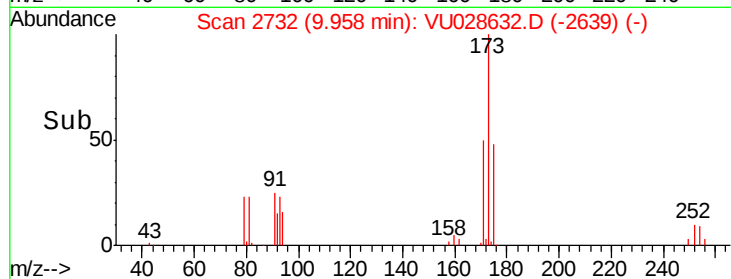
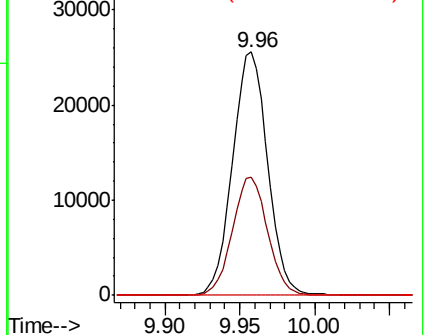
254 0.0 0.0 0.0



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: VU028632.D

Acq: 12 Dec 2018 01:17

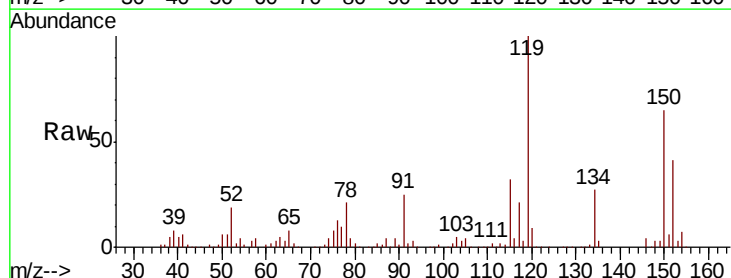
Tgt Ion:152 Resp: 64310

Ion Ratio Lower Upper

152 100

115 84.2 42.7 128.1

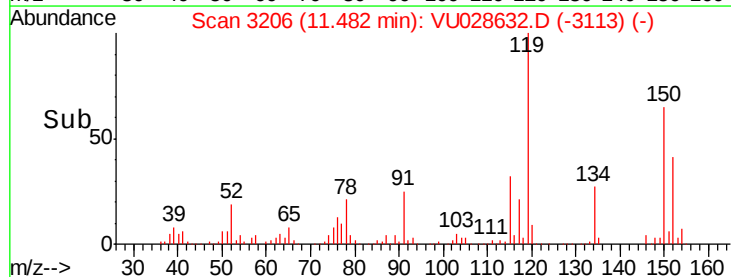
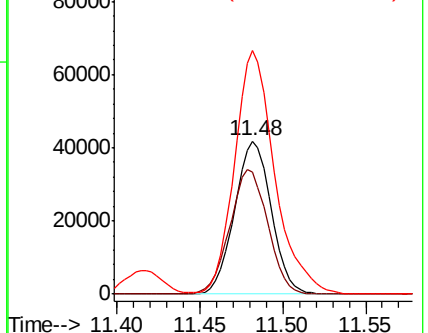
150 174.7 0.0 346.0

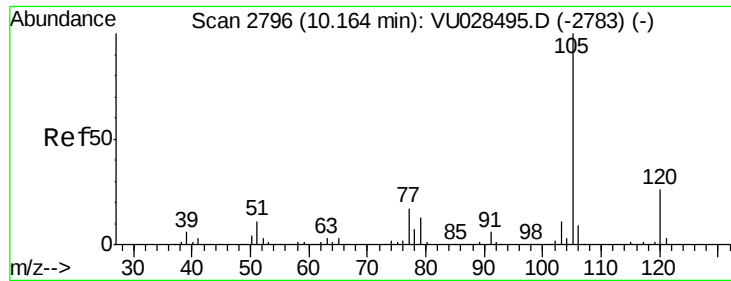


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.234 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

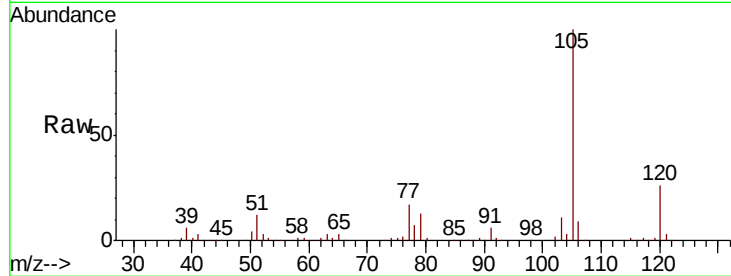
P001-SW001-01MS

Tot Ion:105 Resp: 247894

Ion Ratio Lower Upper

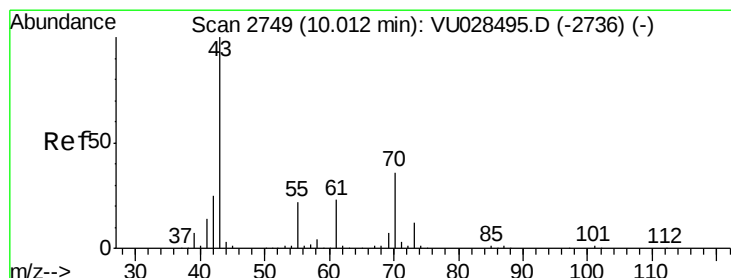
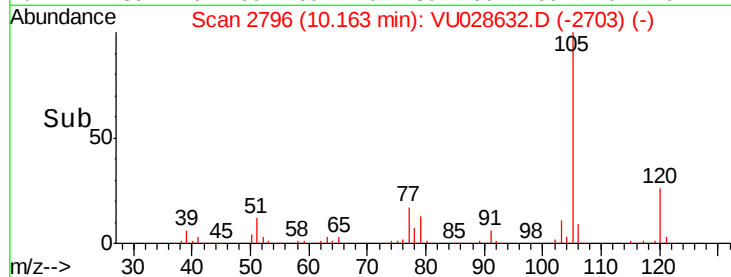
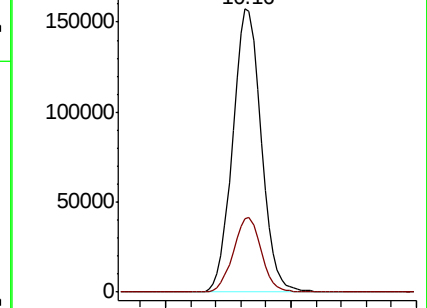
105 100

120 25.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.565 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Tgt Ion: 43 Resp: 143933

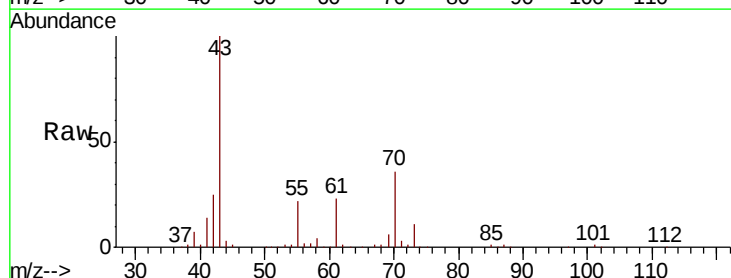
Ion Ratio Lower Upper

43 100

70 36.0 29.3 43.9

55 22.3 18.0 27.0

61 22.6 18.3 27.5

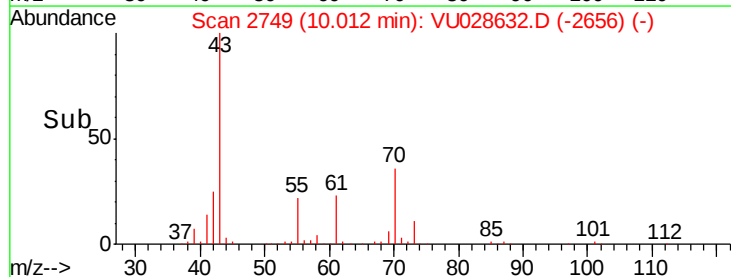
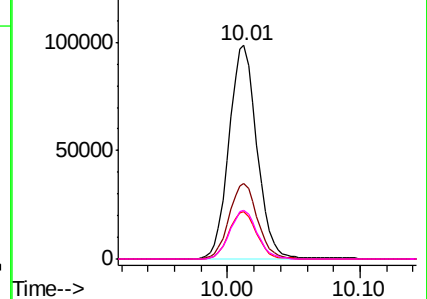


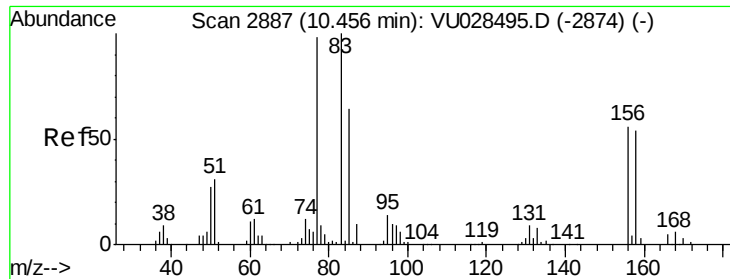
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.756 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

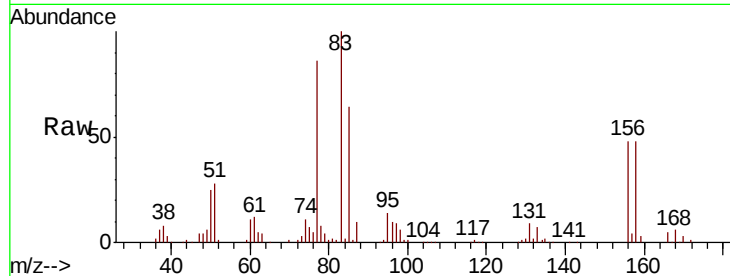
Tot Ion: 83 Resp: 105694

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

85 63.9 31.8 95.4

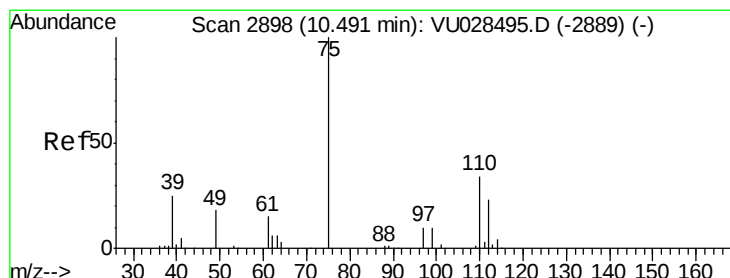
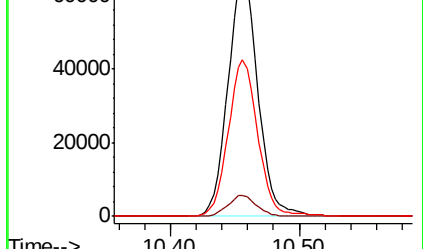
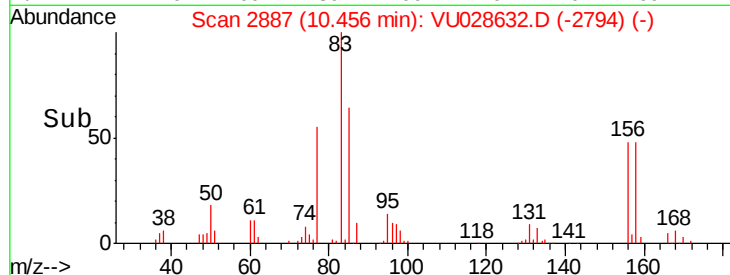


Abundance Ion 82.90 (82.60 to 83.60): VU028632.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028632.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028632.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 76.230 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028632.D

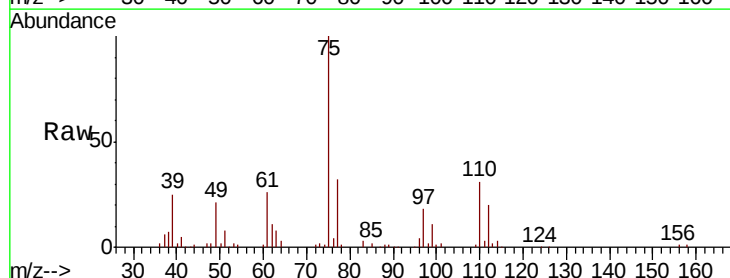
Acq: 12 Dec 2018 01:17

Tgt Ion: 75 Resp: 125182

Ion Ratio Lower Upper

75 100

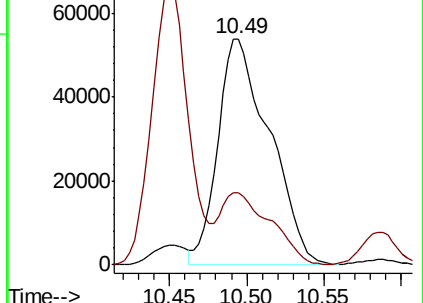
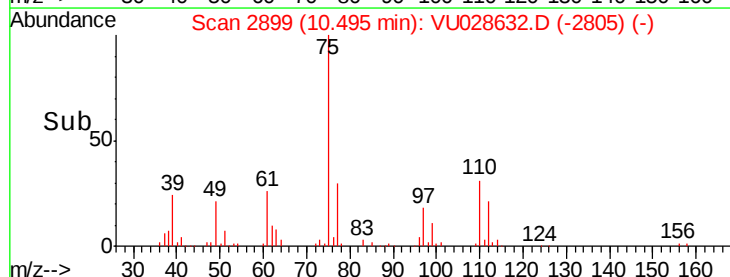
77 30.6 20.8 62.4

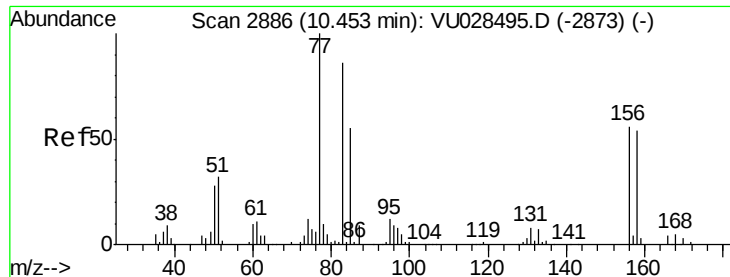


Abundance Ion 74.90 (74.60 to 75.60): VU028632.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028632.D (-2805) (-)

Time-->





#77

Bromobenzene

Concen: 50.553 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

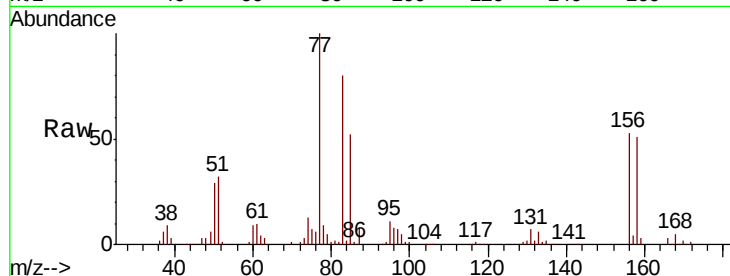
Tot Ion:156 Resp: 58344

Ion Ratio Lower Upper

156 100

77 186.1 92.4 277.2

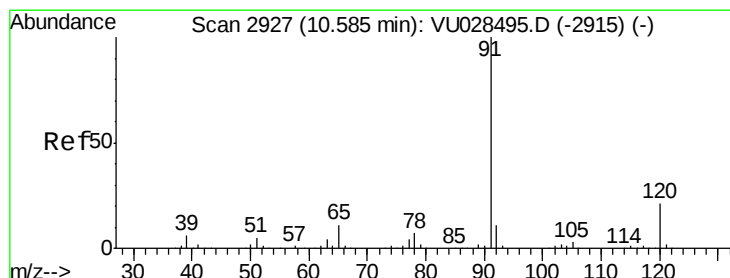
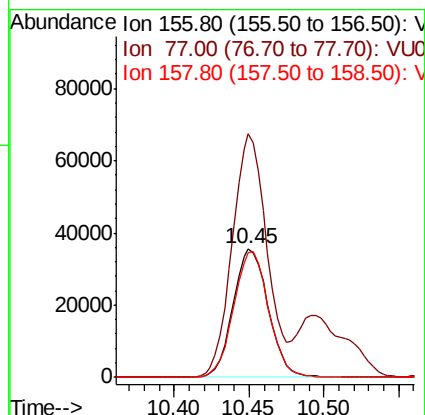
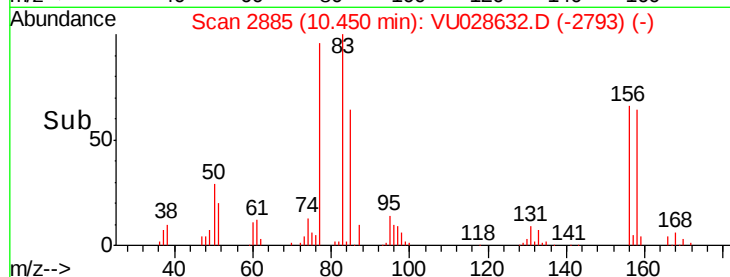
158 97.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.740 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028632.D

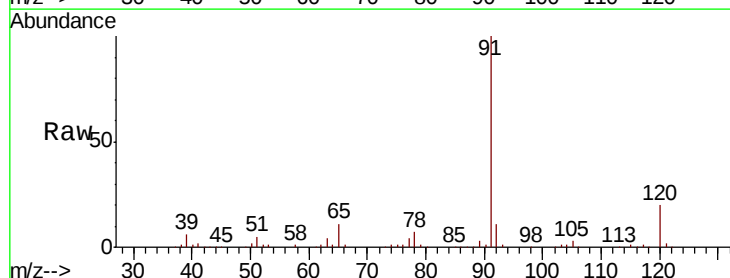
Acq: 12 Dec 2018 01:17

Tgt Ion: 91 Resp: 304997

Ion Ratio Lower Upper

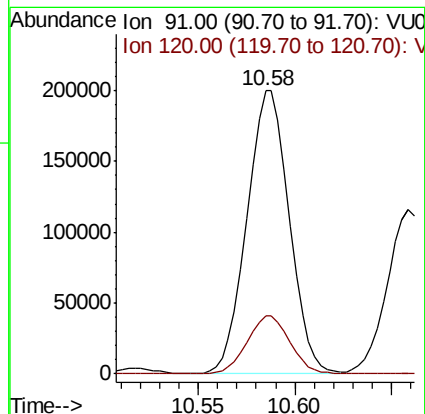
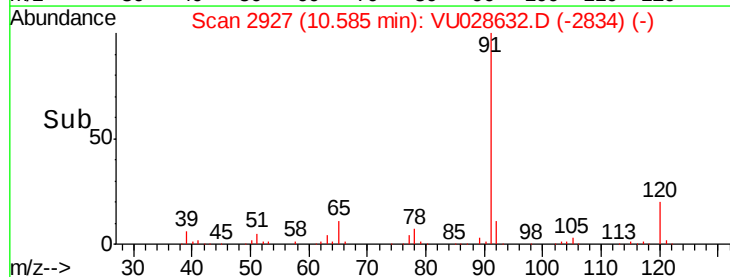
91 100

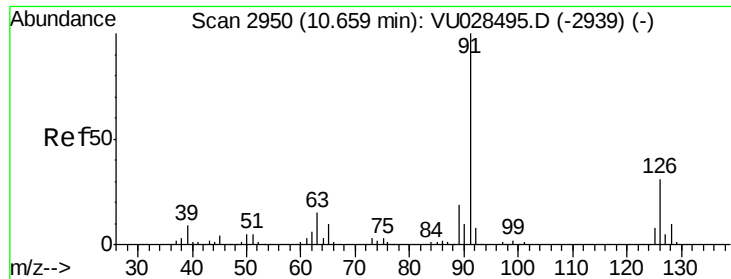
120 20.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

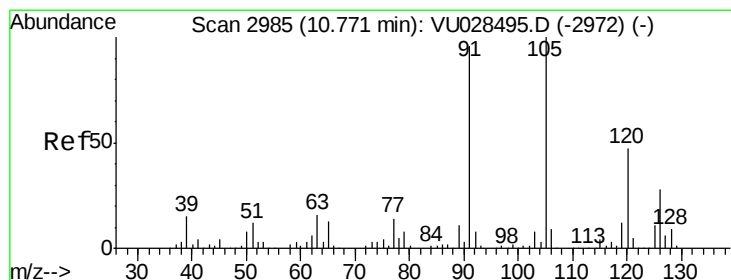
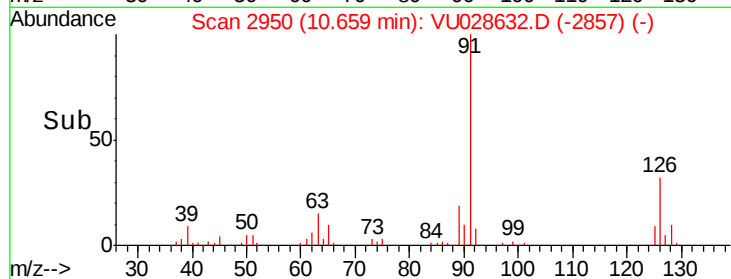
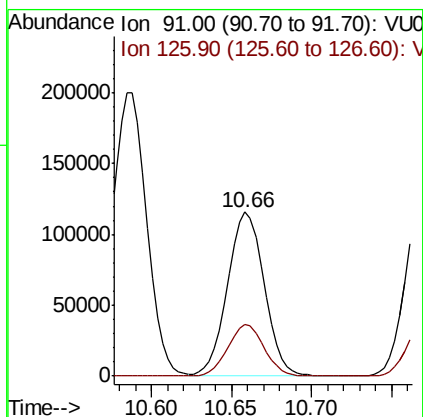
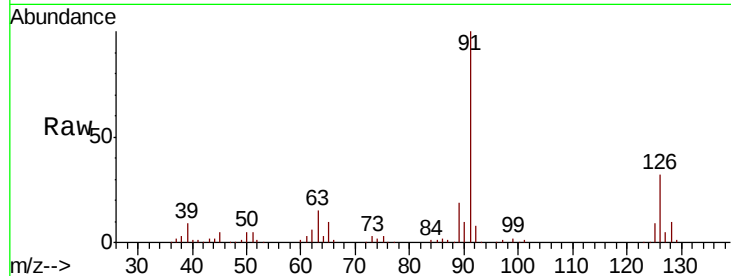




#79
 2-Chlorotoluene
 Concen: 51.434 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

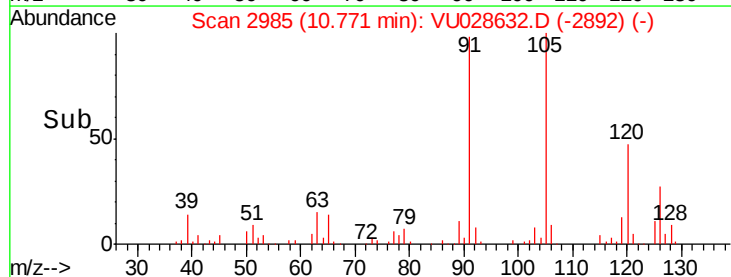
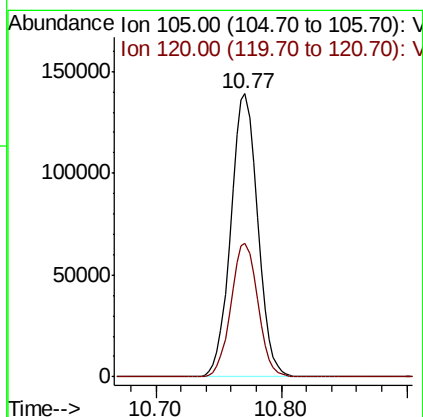
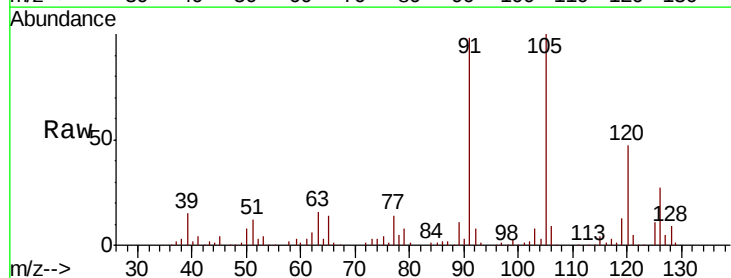
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

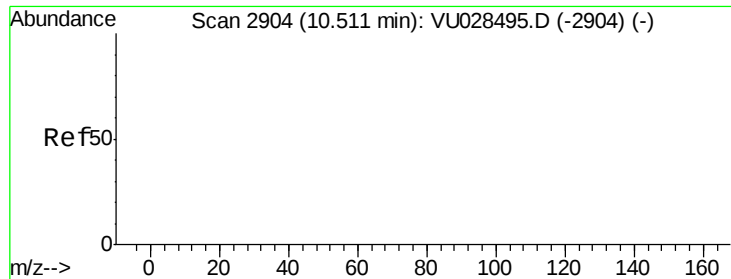
Tot Ion: 91 Resp: 181671
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.665 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 105 Resp: 206956
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 185.984 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01MS

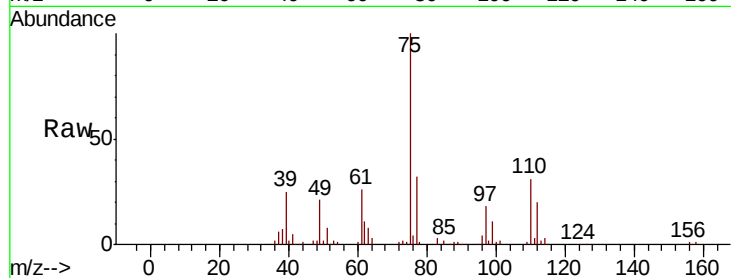
Tot Ion: 75 Resp: 125182

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

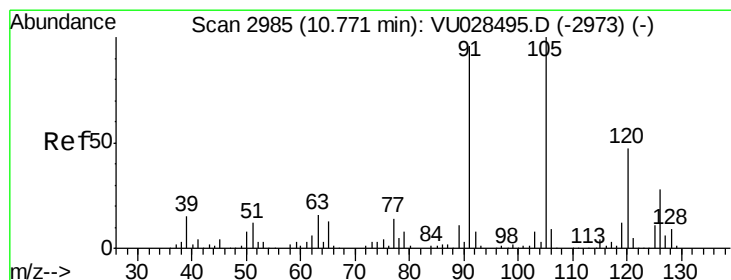
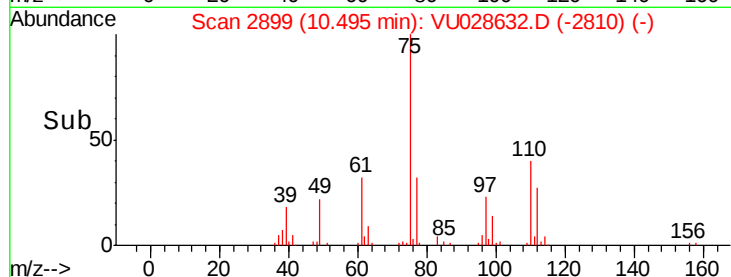
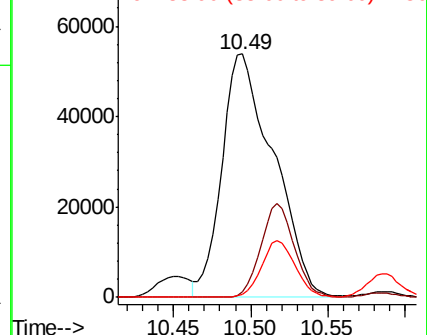
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 49.639 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028632.D

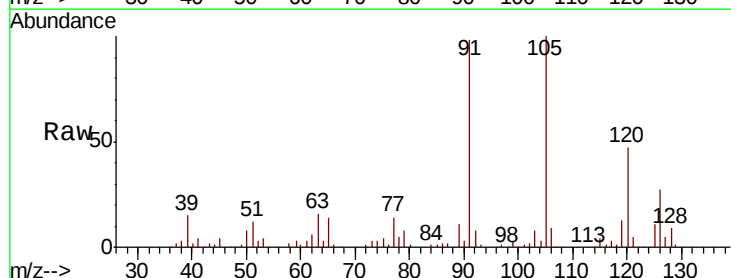
Acq: 12 Dec 2018 01:17

Tgt Ion: 91 Resp: 207767

Ion Ratio Lower Upper

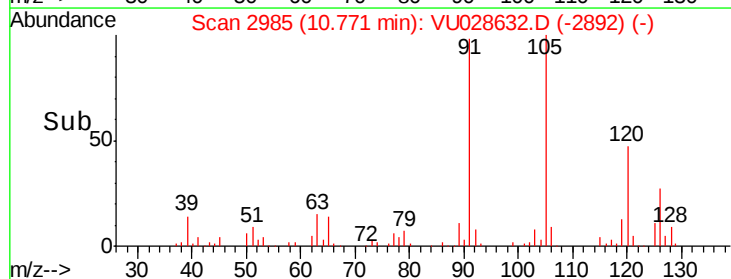
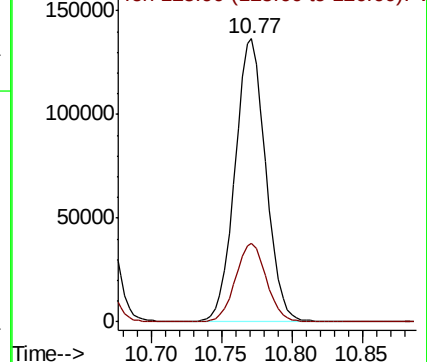
91 100

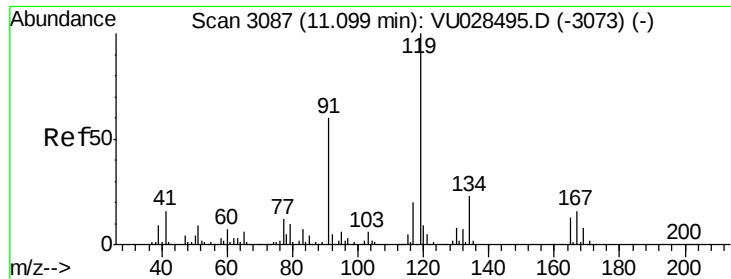
126 28.0 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

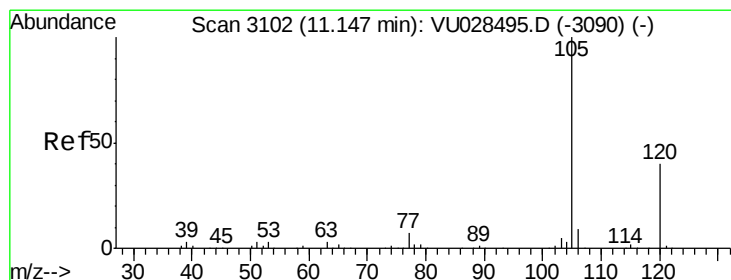
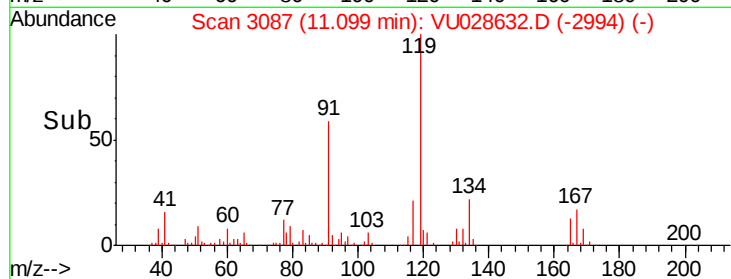
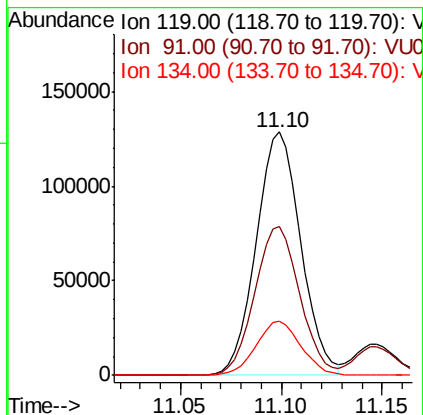
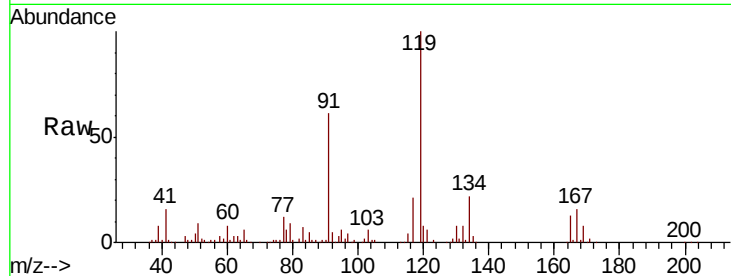




#83
tert-Butylbenzene
Concen: 50.492 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

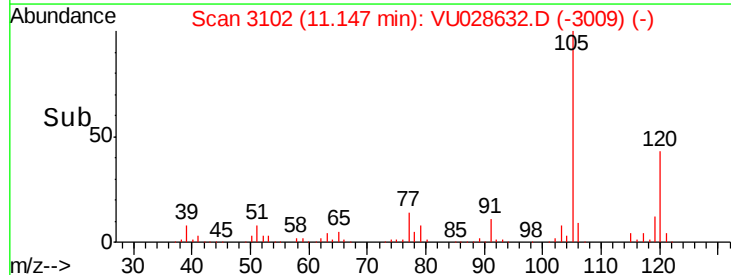
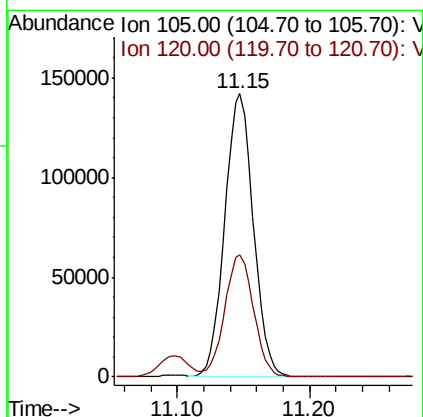
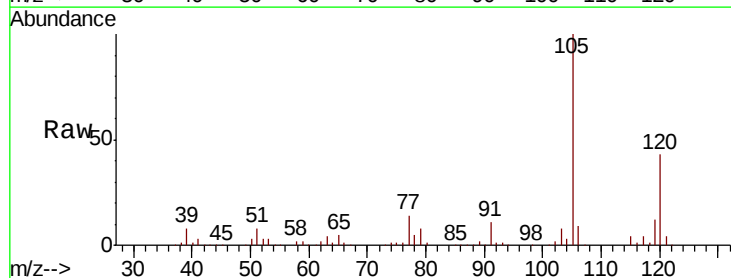
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

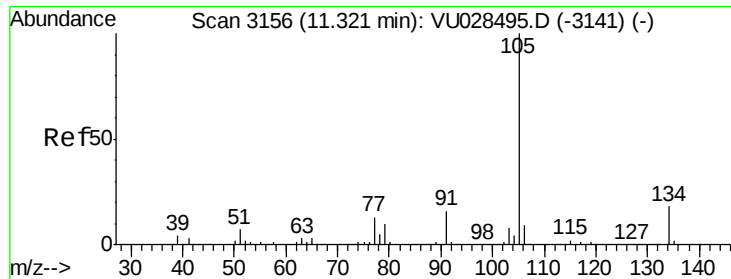
Tot Ion:119 Resp: 198799
Ion Ratio Lower Upper
119 100
91 61.7 30.3 91.0
134 22.2 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.640 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion:105 Resp: 213180
Ion Ratio Lower Upper
105 100
120 43.5 21.8 65.4





#85

sec-Butylbenzene

Concen: 49.035 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

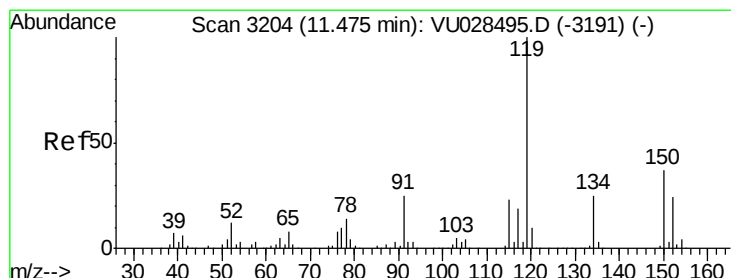
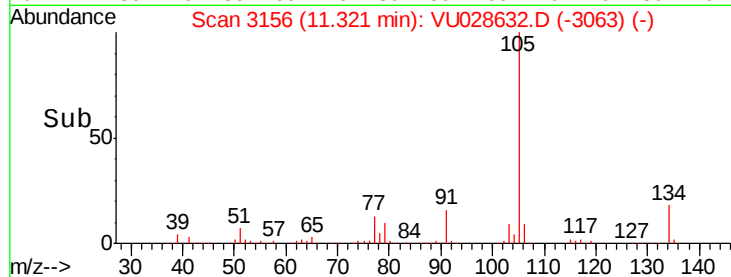
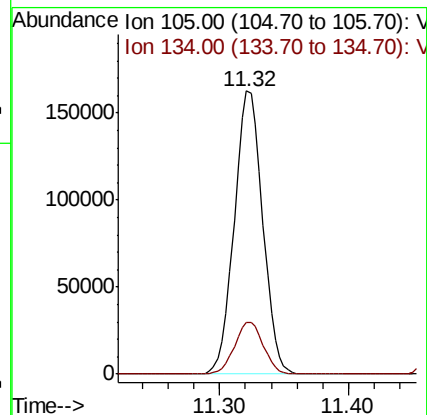
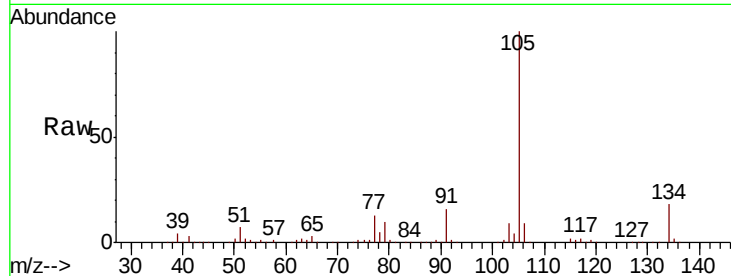
P001-SW001-01MS

Tot Ion:105 Resp: 248022

Ion Ratio Lower Upper

105 100

134 18.6 9.2 27.6



#86

p-Isopropyltoluene

Concen: 48.230 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028632.D

Acq: 12 Dec 2018 01:17

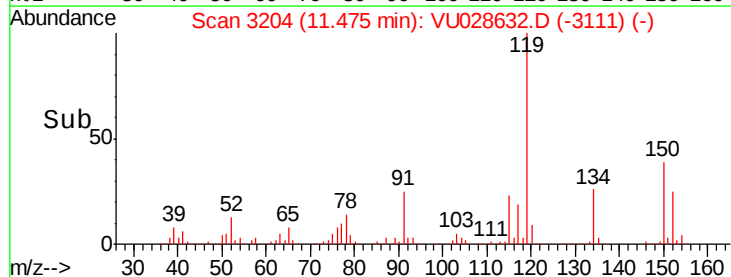
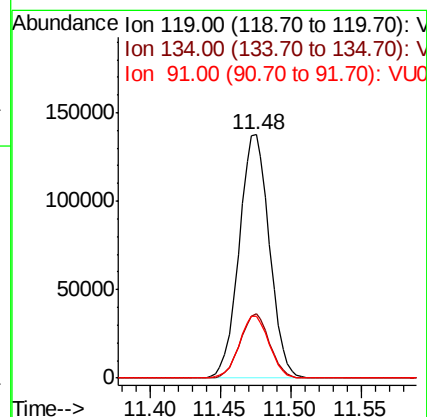
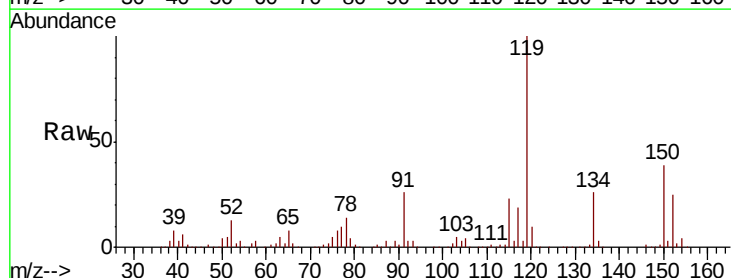
Tgt Ion:119 Resp: 207227

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 25.1 12.6 37.6

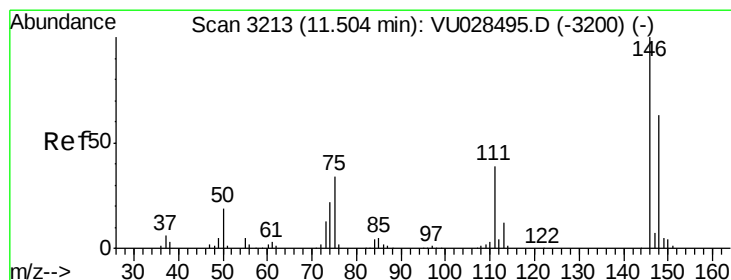
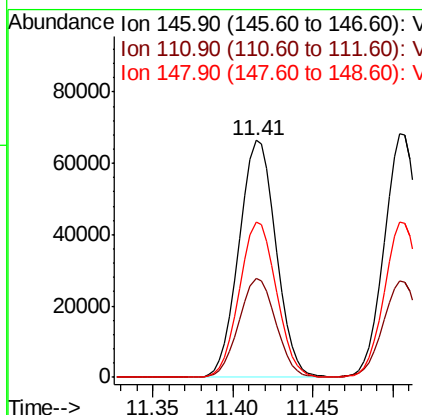
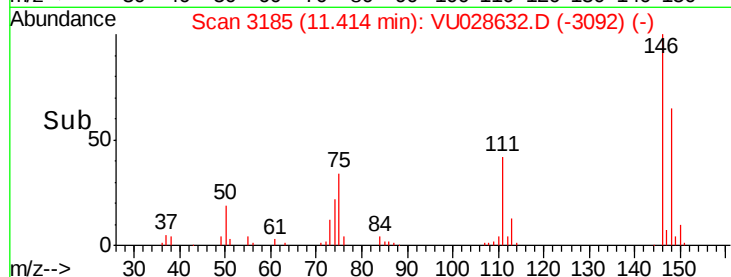
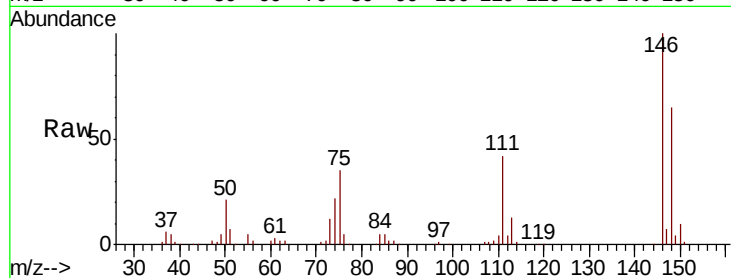




#87
 1,3-Dichlorobenzene
 Concen: 48.052 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

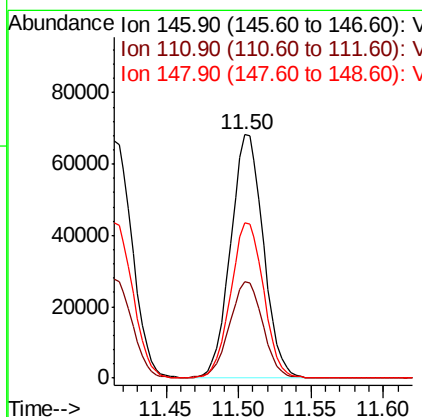
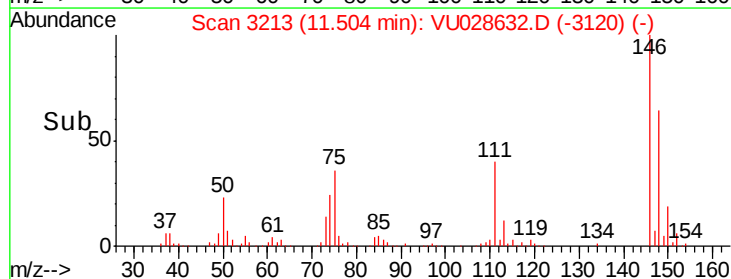
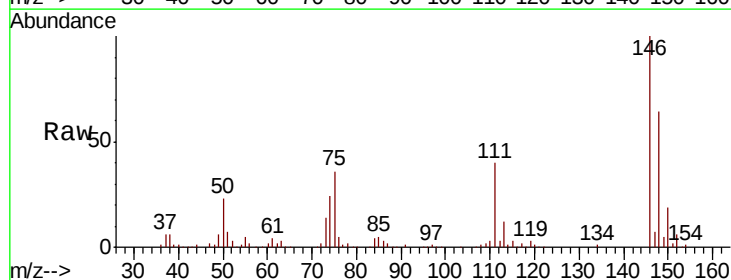
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

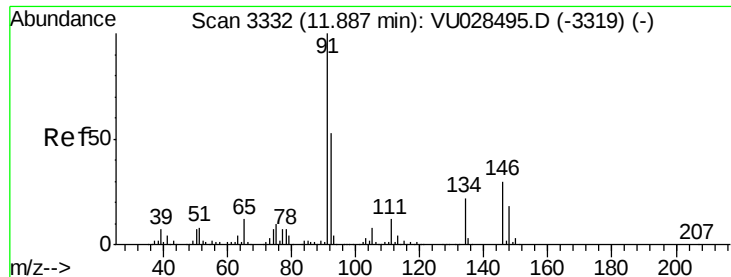
Tot Ion:146 Resp: 104717
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.7 62.1
 148 65.4 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 47.466 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion:146 Resp: 107021
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.2 60.5
 148 64.1 31.6 95.0

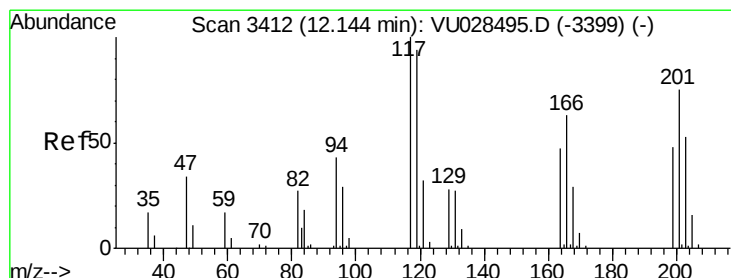
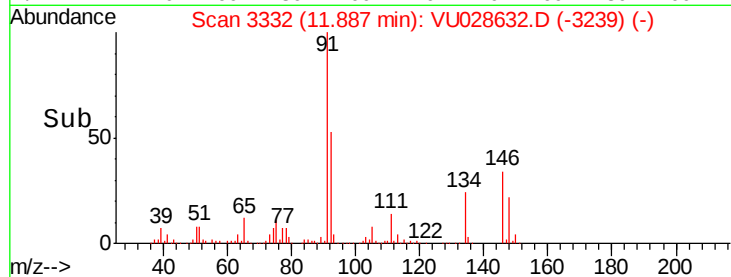
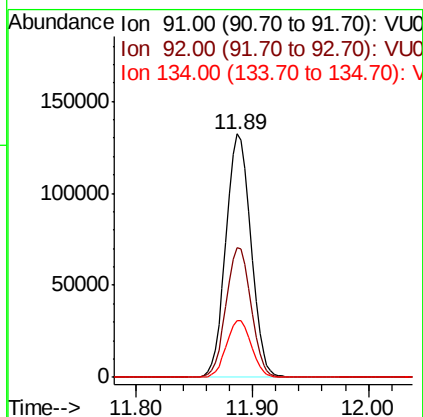
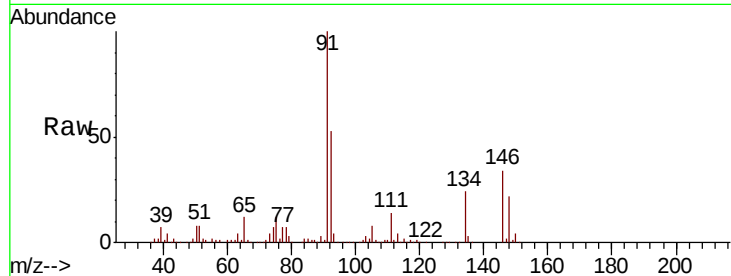




#89
n-Butylbenzene
Concen: 45.302 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

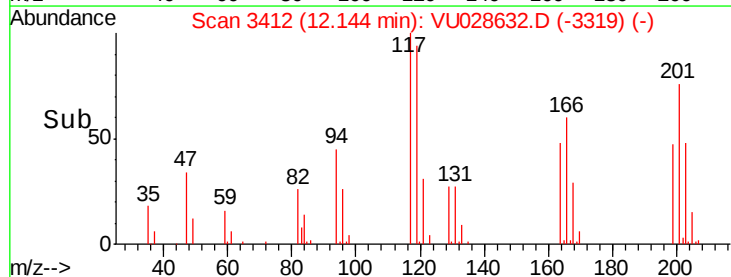
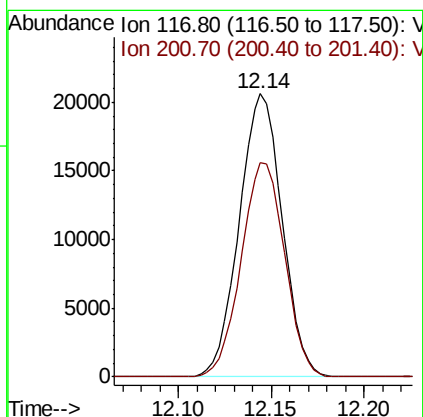
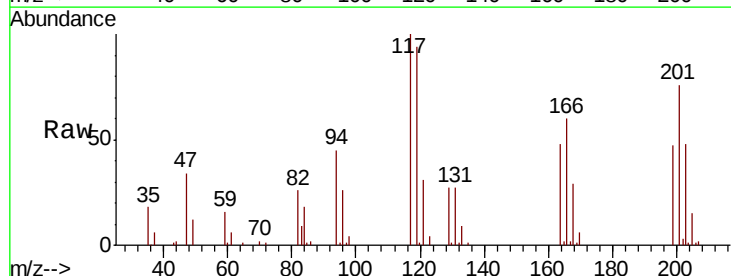
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

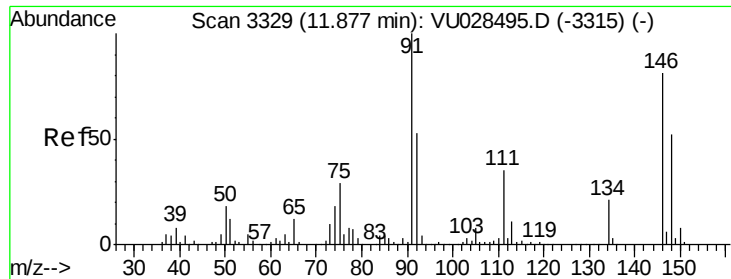
Tot Ion: 91 Resp: 196989
Ion Ratio Lower Upper
91 100
92 53.3 26.3 78.9
134 23.4 11.3 33.8



#90
Hexachloroethane
Concen: 50.994 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion: 117 Resp: 33117
Ion Ratio Lower Upper
117 100
201 76.6 38.1 114.5

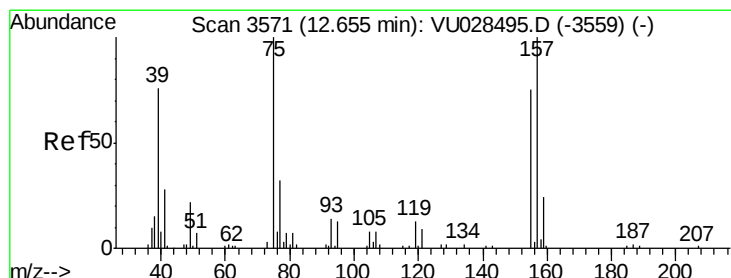
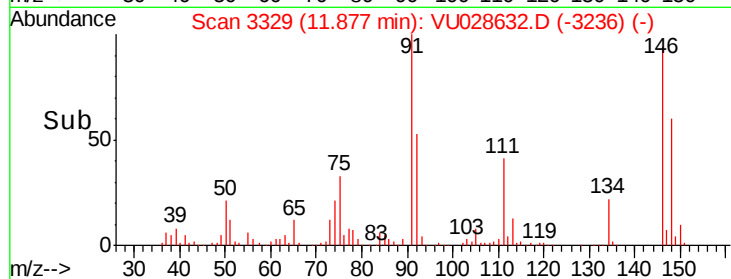
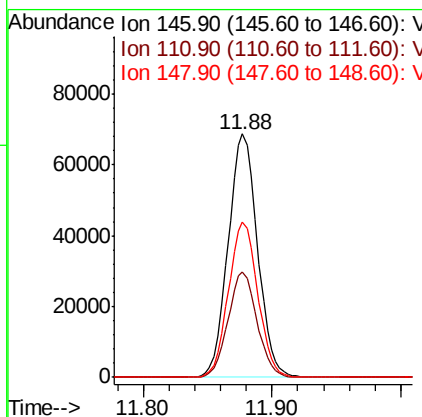
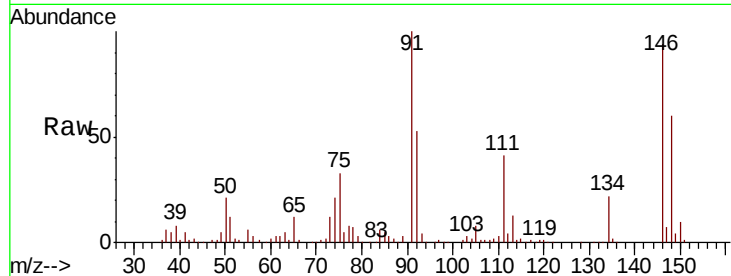




#91
 1,2-Dichlorobenzene
 Concen: 49.735 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

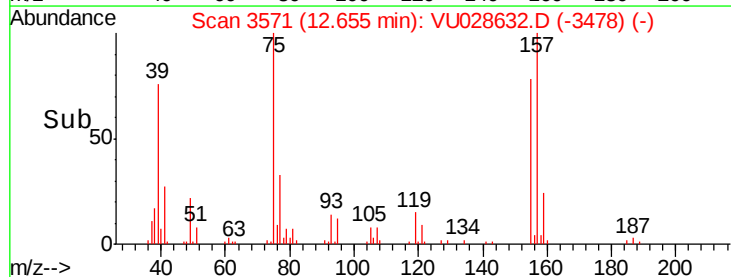
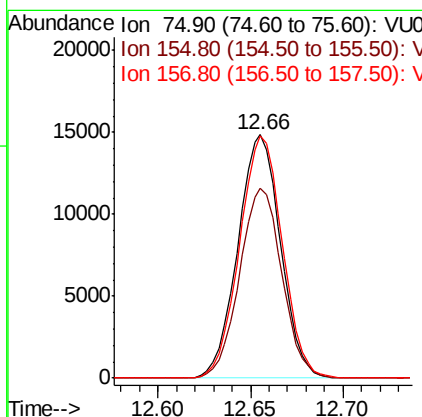
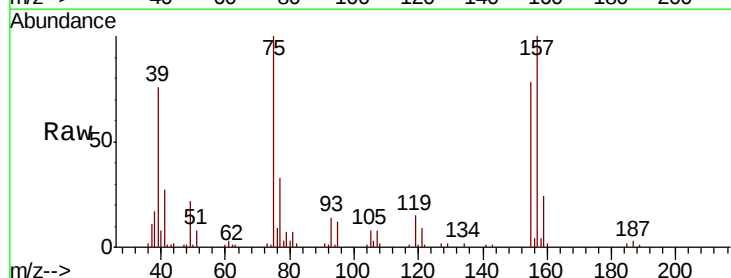
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01MS

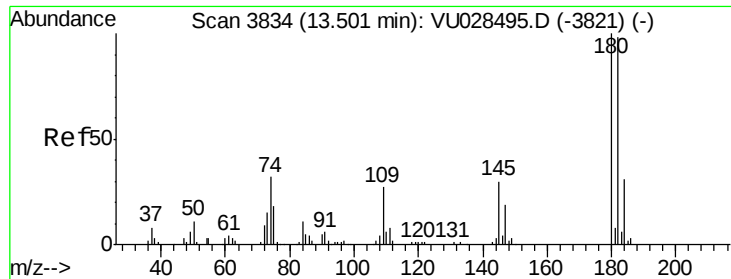
Tot Ion:146 Resp: 108416
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.1 63.4
 148 63.6 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.704 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028632.D
 Acq: 12 Dec 2018 01:17

Tgt Ion: 75 Resp: 23682
 Ion Ratio Lower Upper
 75 100
 155 77.5 38.1 114.5
 157 99.8 48.7 146.1

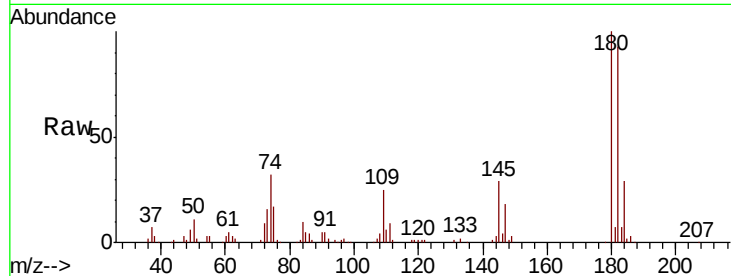




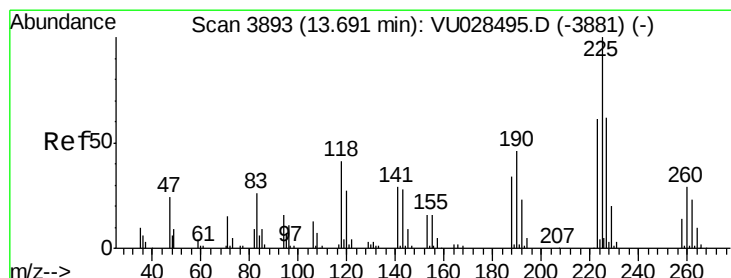
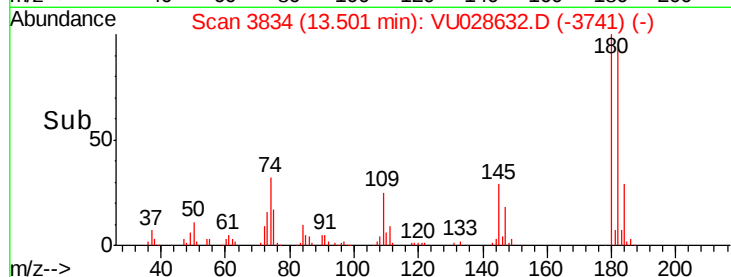
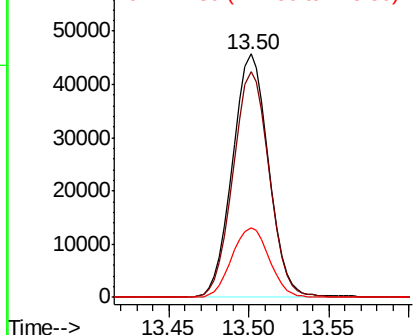
#93
1,2,4-Trichlorobenzene
Concen: 46.937 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:180 Resp: 70229
Ion Ratio Lower Upper
180 100
182 92.9 47.9 143.8
145 29.5 15.0 45.1

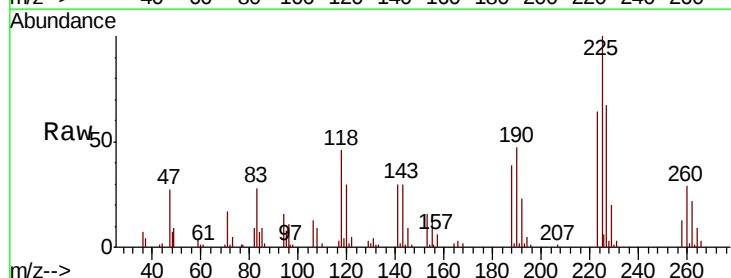


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

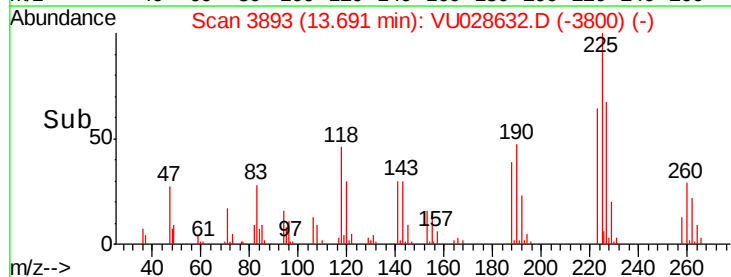
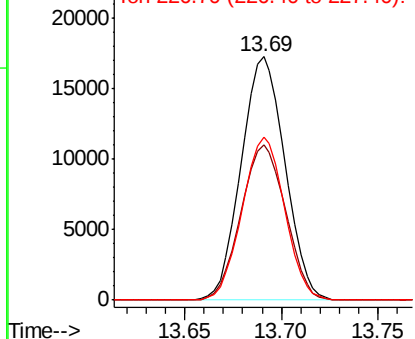


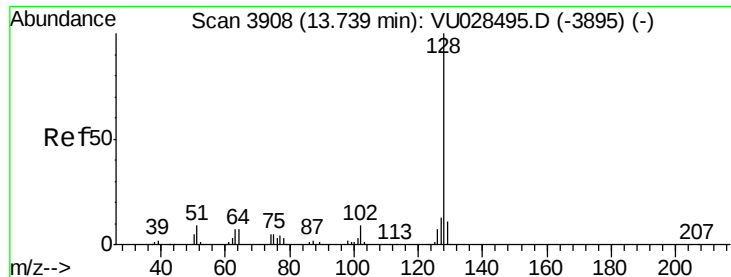
#94
Hexachlorobutadiene
Concen: 38.116 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion:225 Resp: 27217
Ion Ratio Lower Upper
225 100
223 64.9 30.4 91.2
227 65.0 30.7 92.1



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

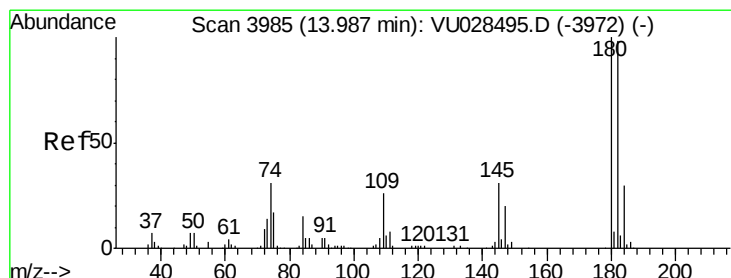
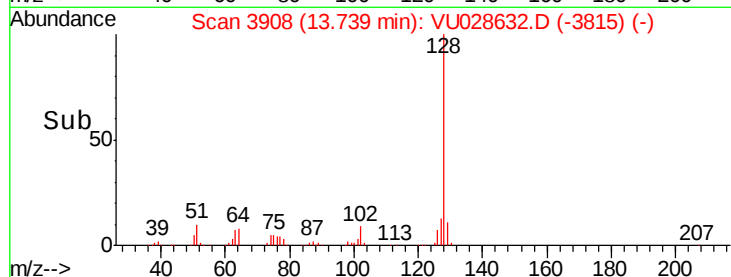
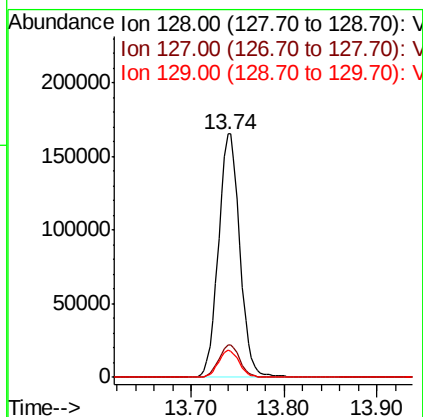
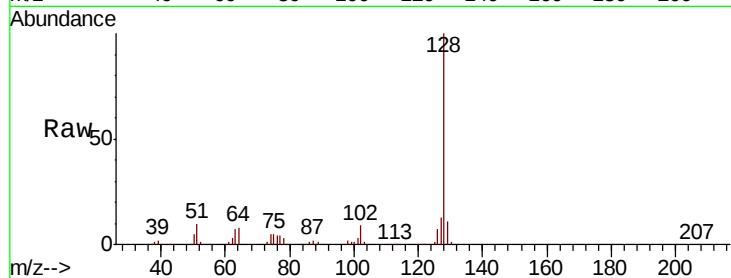




#95
Naphthalene
Concen: 50.488 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01MS

Tot Ion:128 Resp: 264093
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.175 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028632.D
Acq: 12 Dec 2018 01:17

Tgt Ion:180 Resp: 73308
Ion Ratio Lower Upper
180 100
182 93.1 48.2 144.6
145 31.0 15.8 47.3

