

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028595.D
 Acq On : 11 Dec 2018 09:42
 Operator : MD/SY
 Sample : J6305-06MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Quant Time: Dec 11 11:41:57 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	84679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	152638	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	70569	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	4.88	113	51563	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
50) Toluene-d8	7.57	98	201079	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	10.30	95	74073	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	59022	52.002	ug/l	97
3) Chloromethane	1.33	50	104769	50.208	ug/l	99
4) Vinyl Chloride	1.40	62	78793	52.323	ug/l	99
5) Bromomethane	1.60	94	33010	54.418	ug/l	99
6) Chloroethane	1.68	64	43380	50.884	ug/l	97
7) Trichlorofluoromethane	1.88	101	90585	57.175	ug/l	99
8) Diethyl Ether	2.10	74	36335	49.018	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	46015	48.562	ug/l	97
10) Methyl Iodide	2.41	142	45968	61.826	ug/l	100
11) Tert butyl alcohol	2.83	59	122667	426.061	ug/l	100
12) 1,1-Dichloroethene	2.28	96	45479	48.238	ug/l	98
13) Acrolein	2.19	56	61905	269.716	ug/l	100
14) Allyl chloride	2.59	41	111488	49.987	ug/l	99
15) Acrylonitrile	2.94	53	265898	332.652	ug/l	100
16) Acetone	2.32	43	371454	440.499	ug/l	99
17) Carbon Disulfide	2.47	76	165958	48.862	ug/l	99
18) Methyl Acetate	2.61	43	258000	118.027	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	188404	52.714	ug/l	99
20) Methylene Chloride	2.70	84	60632	48.775	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	52601	49.553	ug/l	97
22) Diisopropyl ether	3.57	45	232813	53.677	ug/l	97
23) Vinyl Acetate	3.52	43	888828	248.444	ug/l	98
24) 1,1-Dichloroethane	3.44	63	117291	51.661	ug/l	99
25) 2-Butanone	4.26	43	420919	365.256	ug/l	99
26) 2,2-Dichloropropane	4.23	77	64116	35.641	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	61777	51.417	ug/l	97
28) Bromochloromethane	4.55	49	58667	56.841	ug/l	97
29) Tetrahydrofuran	4.64	42	272241	367.837	ug/l	98
30) Chloroform	4.67	83	104515	52.818	ug/l	97
31) Cyclohexane	4.99	56	116347	52.575	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	84663	51.516	ug/l	98
36) 1,1-Dichloropropene	5.13	75	79188	47.410	ug/l	99
37) Ethyl Acetate	4.38	43	125420	58.086	ug/l	100
38) Carbon Tetrachloride	5.13	117	67652	50.252	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	94480	46.365	ug/l	99
40) Benzene	5.39	78	258767	52.601	ug/l	99
41) Methacrylonitrile	4.54	41	76032	64.299	ug/l	96
42) 1,2-Dichloroethane	5.40	62	87342	50.722	ug/l	98
43) Isopropyl Acetate	5.55	43	193223	56.577	ug/l	99
44) Trichloroethene	6.19	130	52926	48.386	ug/l	100
45) 1,2-Dichloropropane	6.43	63	72724	52.570	ug/l	98
46) Dibromomethane	6.56	93	42932	52.305	ug/l	99
47) Bromodichloromethane	6.76	83	81584	51.079	ug/l	97
48) Methyl methacrylate	6.62	41	102599	60.410	ug/l	99
49) 1,4-Dioxane	6.61	88	39956	1489.949	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	749084	347.763	ug/l	99
52) Toluene	7.64	92	149025	51.474	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	91864	48.292	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	99012	47.975	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	60563	52.919	ug/l	99
56) Ethyl methacrylate	8.02	69	110509	56.388	ug/l	99
57) 1,3-Dichloropropane	8.24	76	110344	51.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	445	0.443	ug/l #	54
59) 2-Hexanone	8.36	43	612005	358.468	ug/l	99
60) Dibromochloromethane	8.48	129	56872	50.757	ug/l	100
61) 1,2-Dibromoethane	8.58	107	64166	53.466	ug/l	98
64) Tetrachloroethene	8.22	164	44348	46.080	ug/l	98
65) Chlorobenzene	9.12	112	151454	49.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51221	52.170	ug/l	100
67) Ethyl Benzene	9.25	91	284853	50.399	ug/l	100
68) m/p-Xylenes	9.37	106	205269	99.809	ug/l	96
69) o-Xylene	9.78	106	100925	50.497	ug/l	99
70) Styrene	9.79	104	167759	50.720	ug/l	100
71) Bromoform	9.96	173	45436	54.401	ug/l #	98
73) Isopropylbenzene	10.16	105	265086	49.904	ug/l	100
74) N-amyl acetate	10.01	43	160647	52.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119760	58.690	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	142334	80.519	ug/l	81
77) Bromobenzene	10.45	156	63027	50.733	ug/l	100
78) n-propylbenzene	10.58	91	328239	49.729	ug/l	99
79) 2-Chlorotoluene	10.66	91	191518	50.372	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	223901	50.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	142334	196.421	ug/l #	100
82) 4-Chlorotoluene	10.77	91	222642	49.415	ug/l	100
83) tert-Butylbenzene	11.10	119	217452	51.308	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	233936	51.624	ug/l	100
85) sec-Butylbenzene	11.32	105	267707	49.169	ug/l	99
86) p-Isopropyltoluene	11.48	119	226255	48.919	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	115254	49.131	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	117189	48.285	ug/l	100
89) n-Butylbenzene	11.89	91	222854	47.610	ug/l	100
90) Hexachloroethane	12.14	117	35196	50.347	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	117854	50.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30760	69.628	ug/l	99

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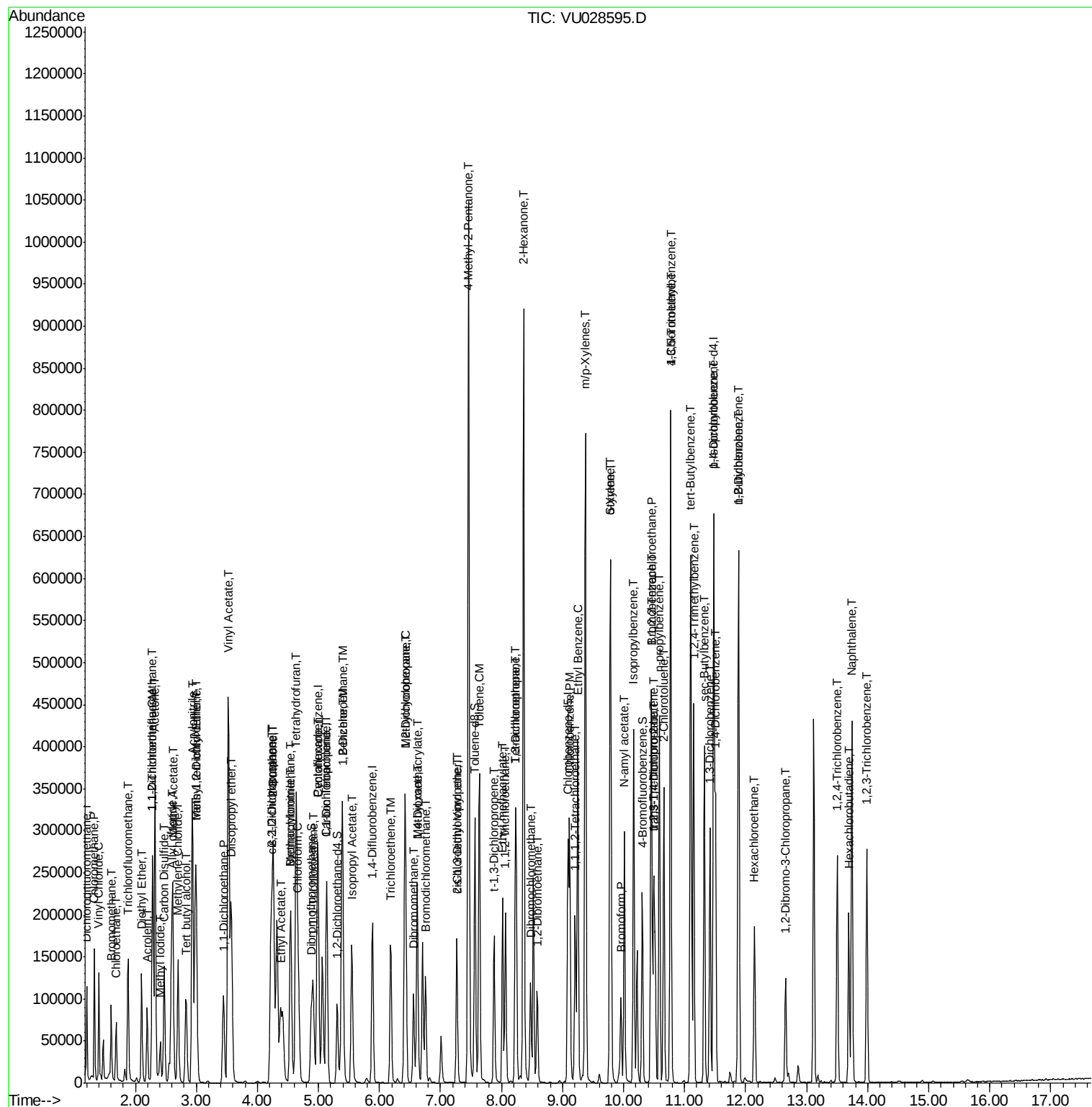
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	78744	48.855	ug/l	99
94) Hexachlorobutadiene	13.69	225	35714	46.464	ug/l	95
95) Naphthalene	13.74	128	319489	56.740	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	81204	50.600	ug/l	98

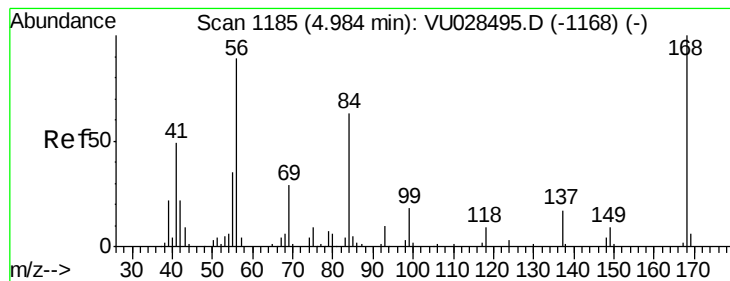
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

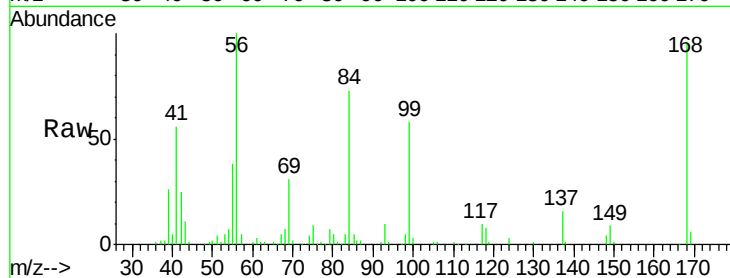
P001-SW004-01MSD

Tot Ion:168 Resp: 84679

Ion Ratio Lower Upper

168 100

99 60.2 46.6 69.8



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

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

4.98

40000

30000

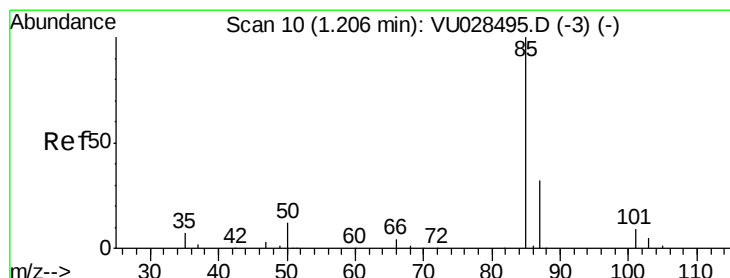
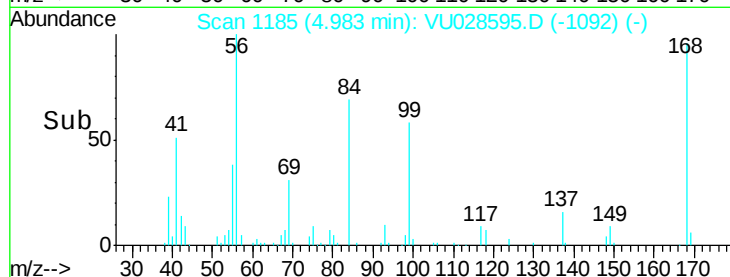
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.002 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028595.D

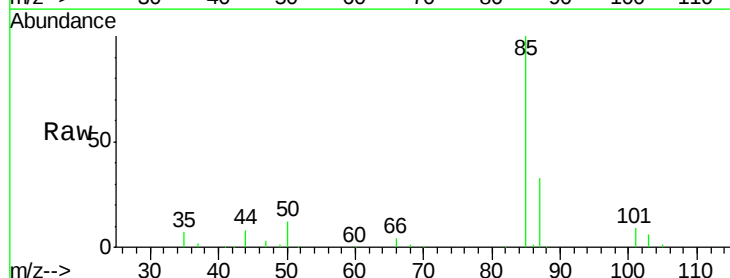
Acq: 11 Dec 2018 09:42

Tgt Ion: 85 Resp: 59022

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6



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

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

1.21

60000

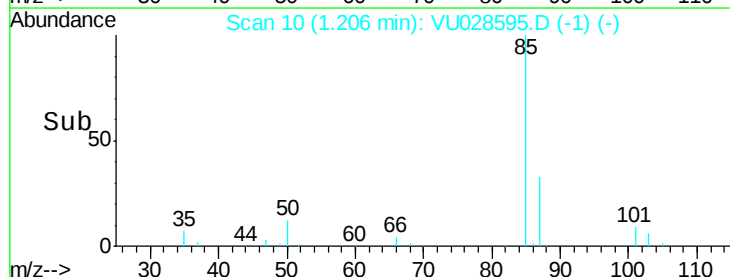
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 50.208 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

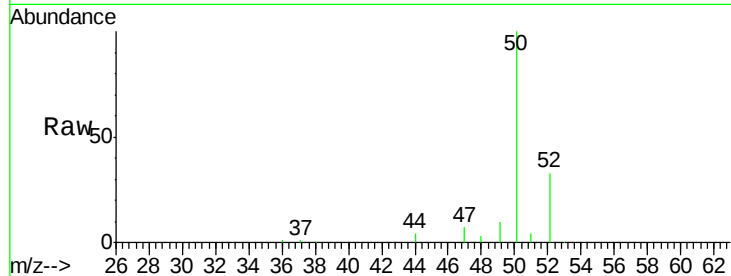
P001-SW004-01MSD

Tot Ion: 50 Resp: 104769

Ion Ratio Lower Upper

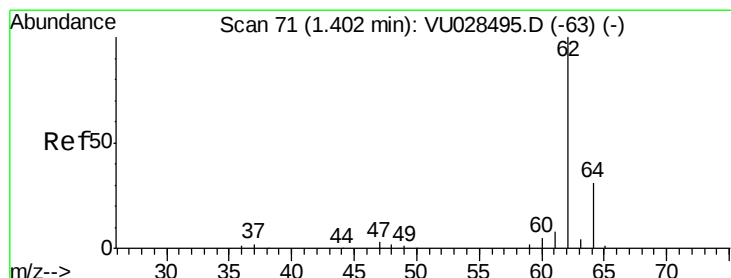
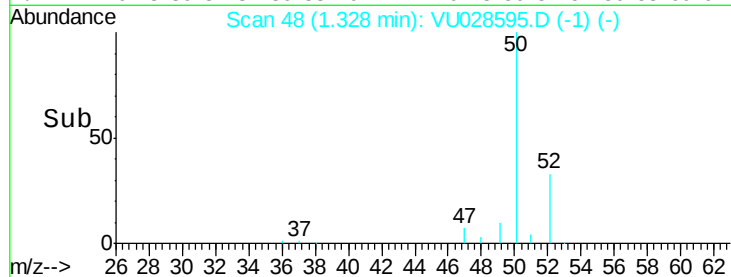
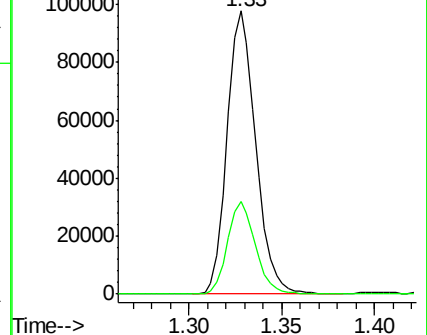
50 100

52 32.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 52.323 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028595.D

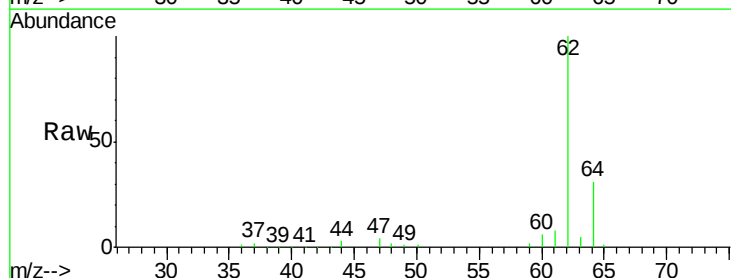
Acq: 11 Dec 2018 09:42

Tgt Ion: 62 Resp: 78793

Ion Ratio Lower Upper

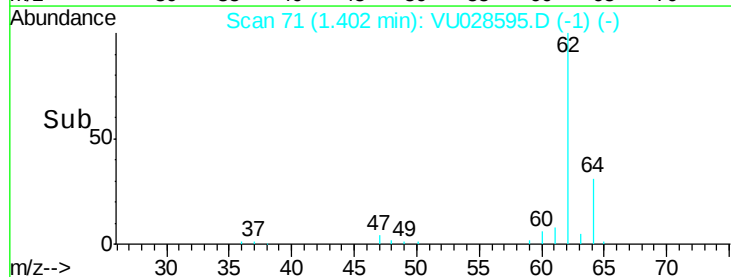
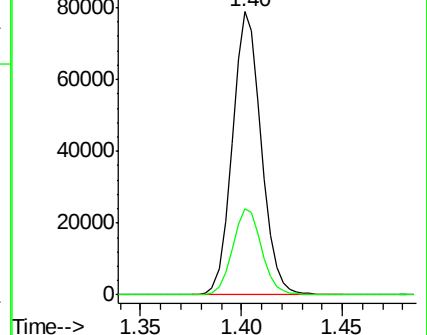
62 100

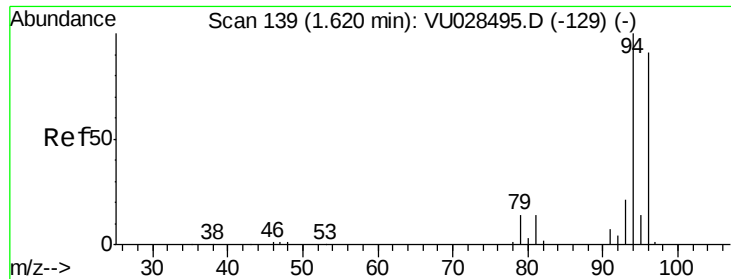
64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 54.418 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

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ClientSampleId :

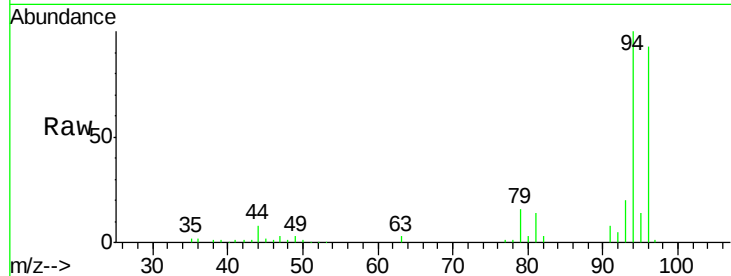
P001-SW004-01MSD

Tot Ion: 94 Resp: 33010

Ion Ratio Lower Upper

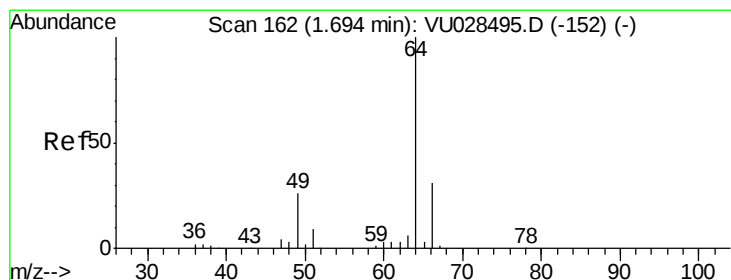
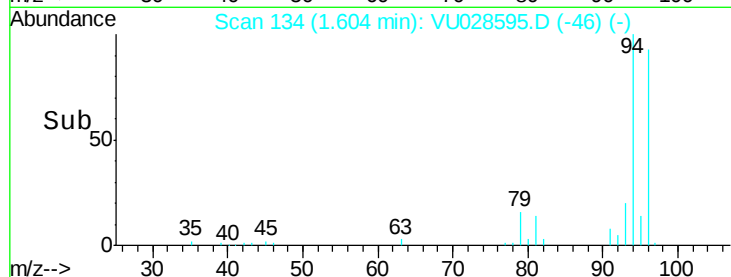
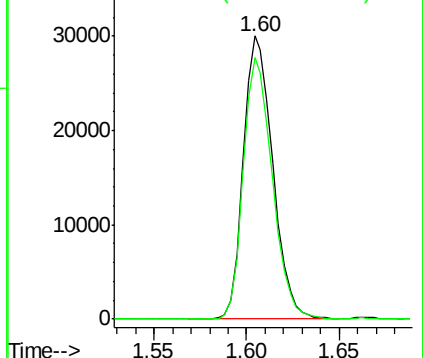
94 100

96 92.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.884 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028595.D

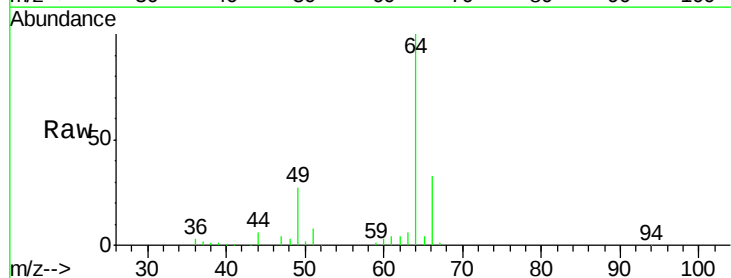
Acq: 11 Dec 2018 09:42

Tgt Ion: 64 Resp: 43380

Ion Ratio Lower Upper

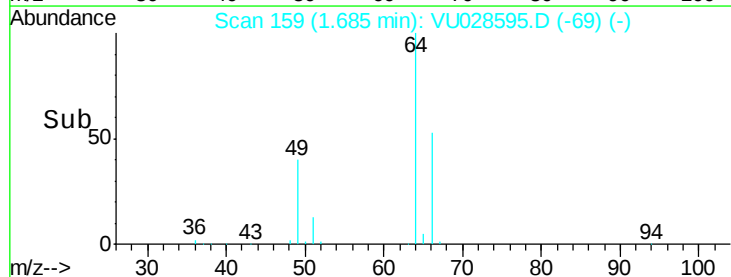
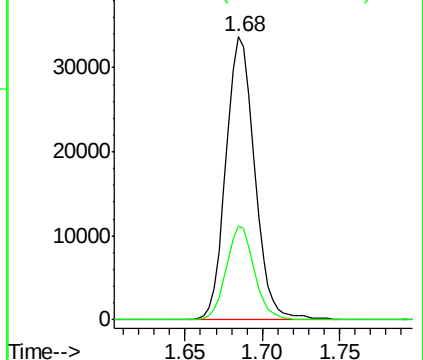
64 100

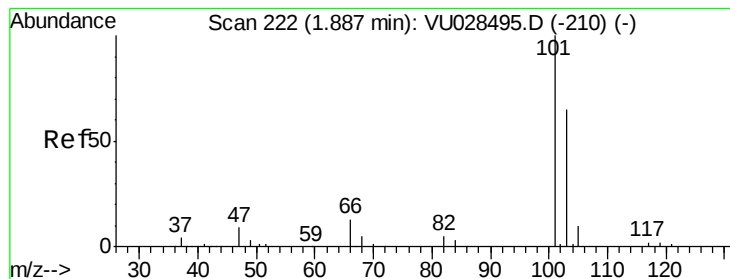
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



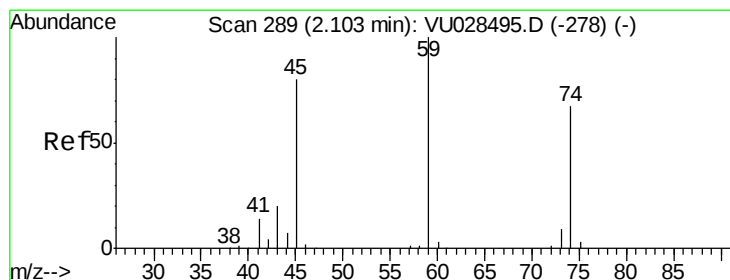
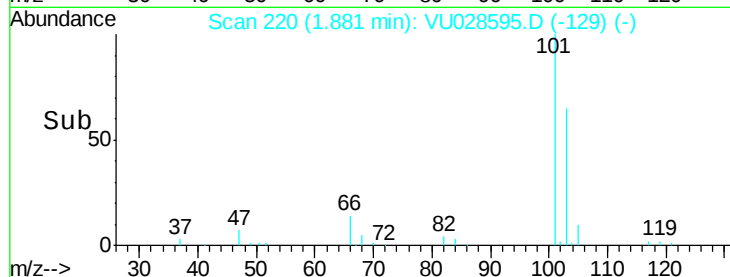
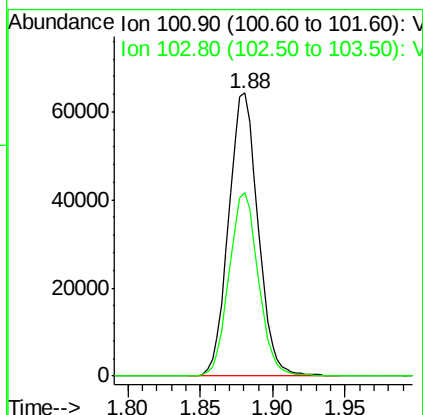
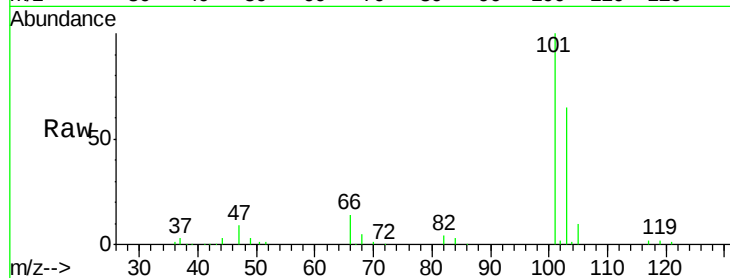


#7

Trichlorofluoromethane
 Concen: 57.175 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

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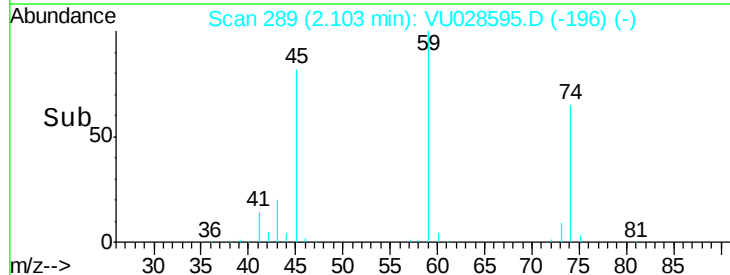
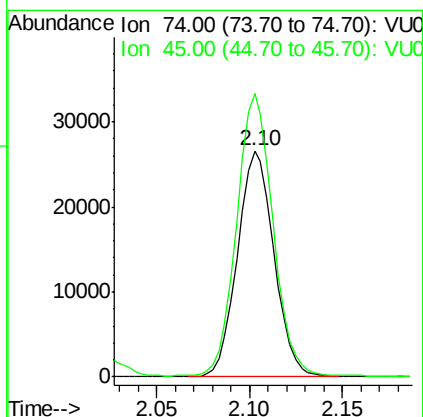
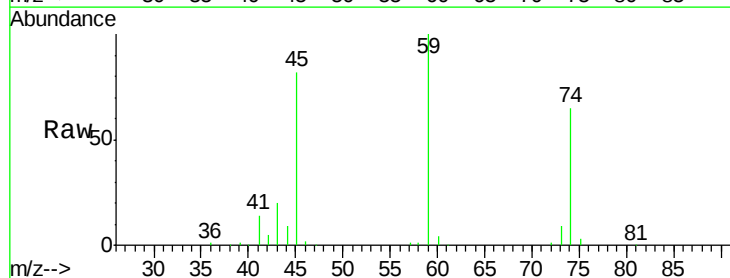
Tot Ion:101 Resp: 90585
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.3 78.5

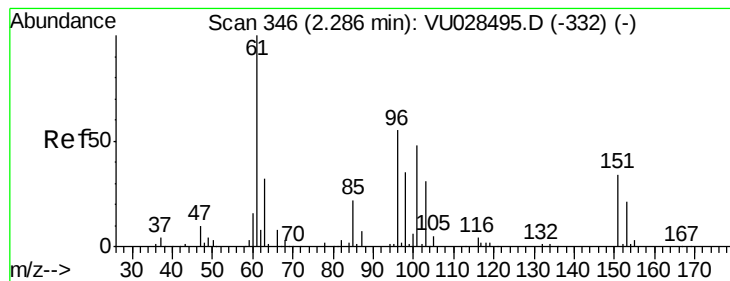


#8

Diethyl Ether
 Concen: 49.018 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 74 Resp: 36335
 Ion Ratio Lower Upper
 74 100
 45 125.1 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.562 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028595.D

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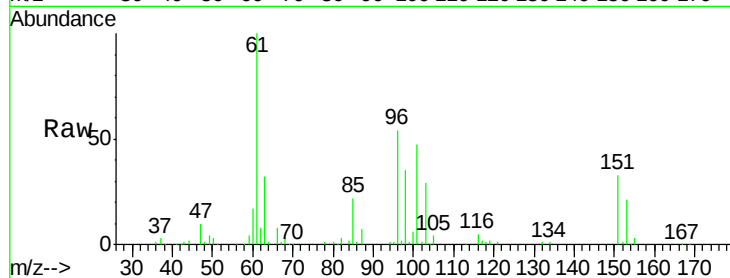
Tot Ion:101 Resp: 46015

Ion Ratio Lower Upper

101 100

85 47.0 36.4 54.6

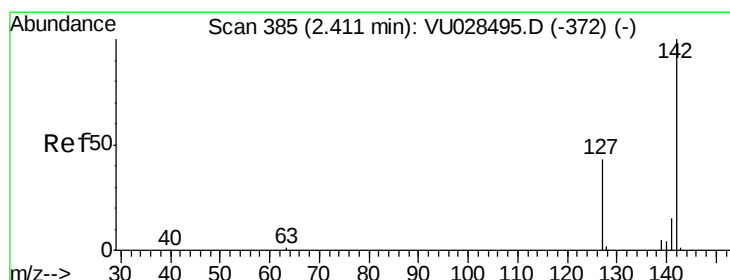
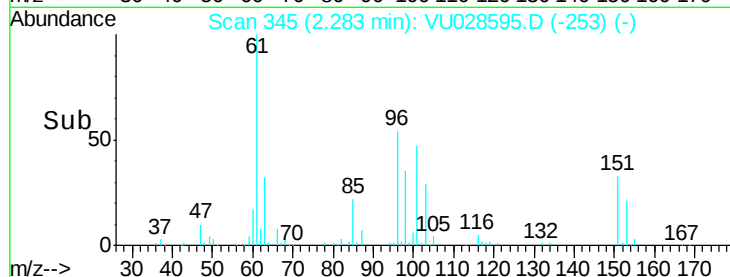
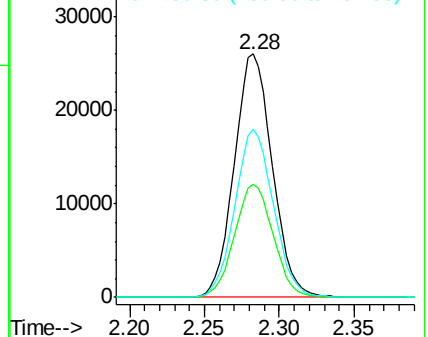
151 69.9 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.826 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

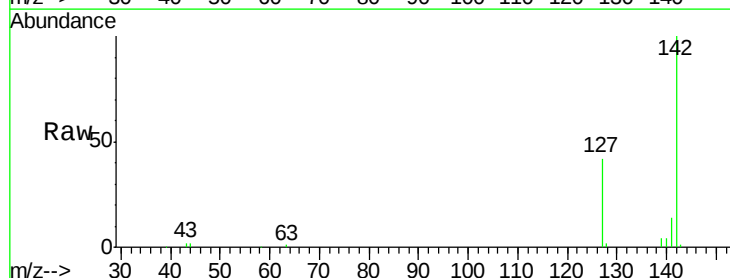
Tgt Ion:142 Resp: 45968

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

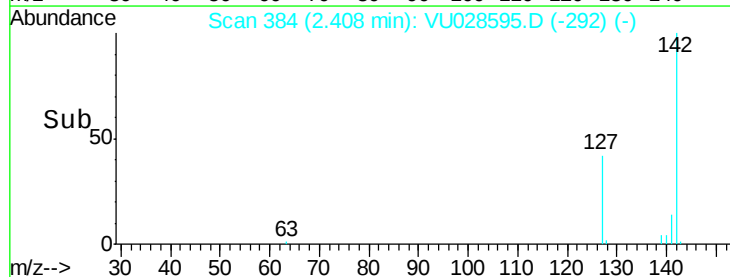
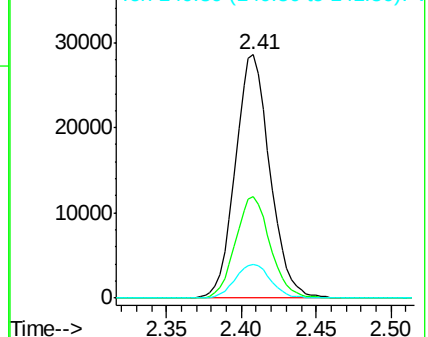
141 14.2 11.2 16.8

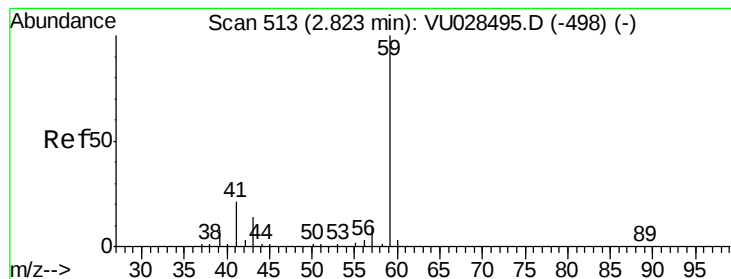


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



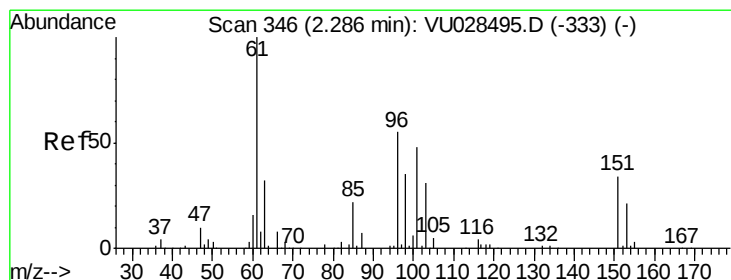
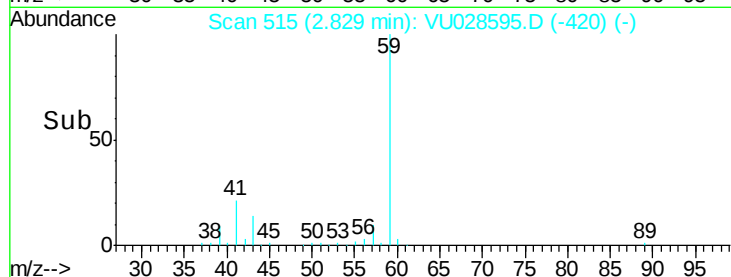
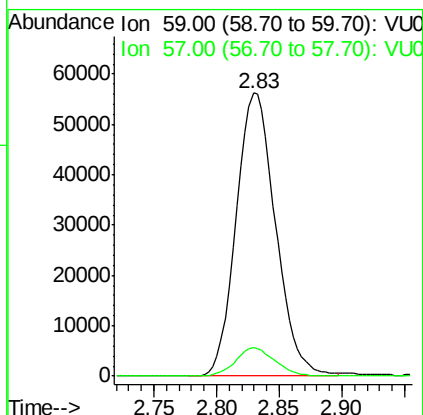
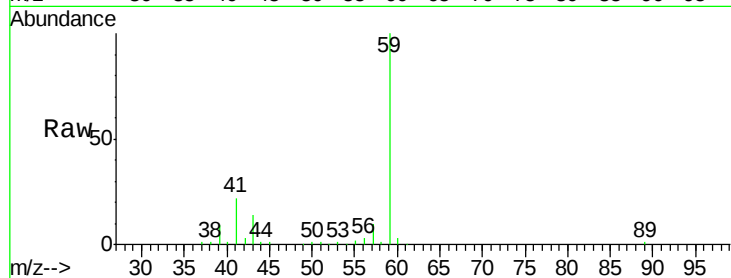


#11

Tert butyl alcohol
 Concen: 426.061 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

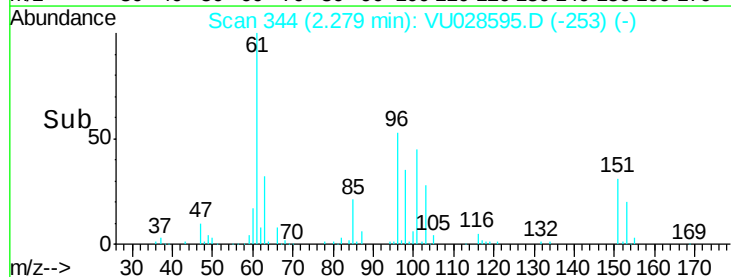
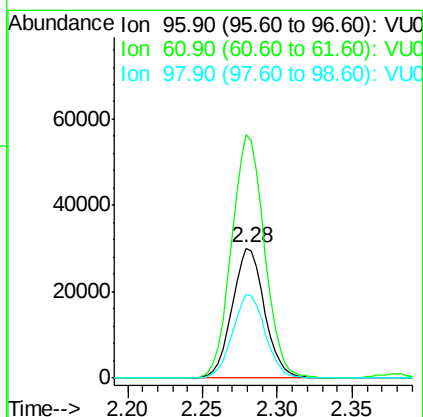
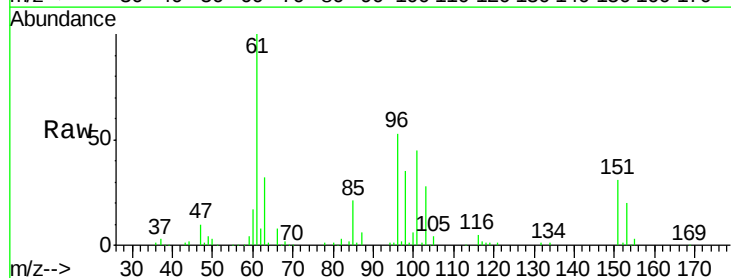
Tot Ion: 59 Resp: 122667
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

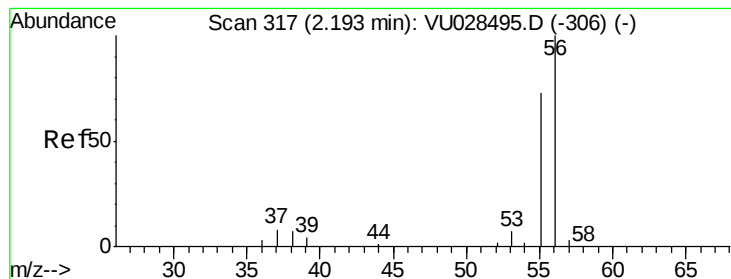


#12

1,1-Dichloroethene
 Concen: 48.238 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 96 Resp: 45479
 Ion Ratio Lower Upper
 96 100
 61 187.1 146.4 219.6
 98 64.7 51.8 77.8





#13

Acrolein

Concen: 269.716 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

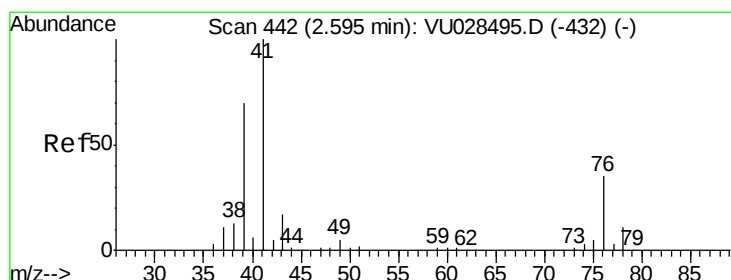
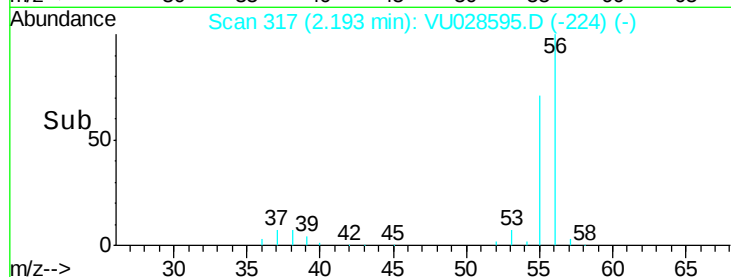
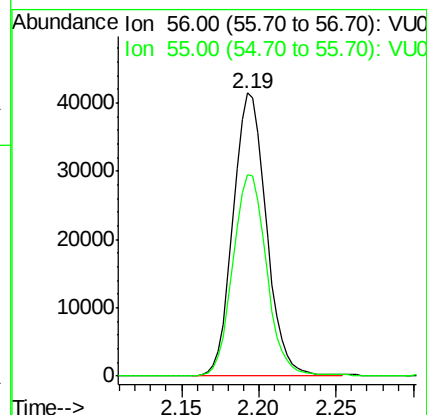
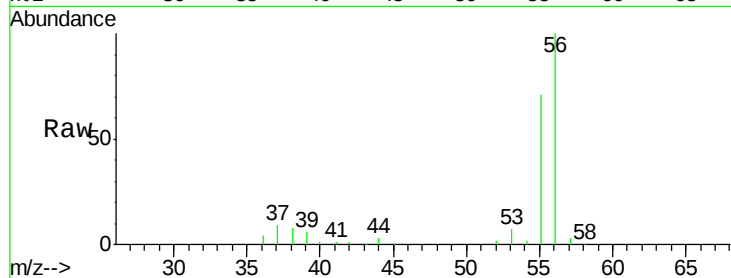
P001-SW004-01MSD

Tot Ion: 56 Resp: 61905

Ion Ratio Lower Upper

56 100

55 71.8 57.5 86.3



#14

Allyl chloride

Concen: 49.987 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

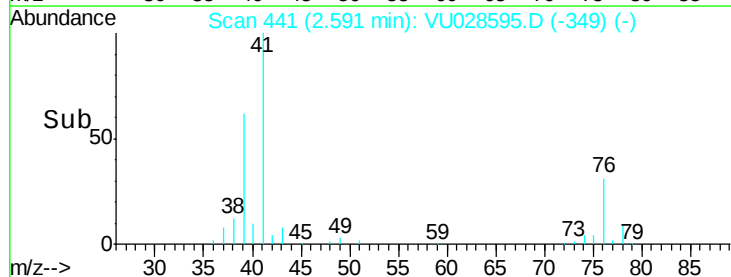
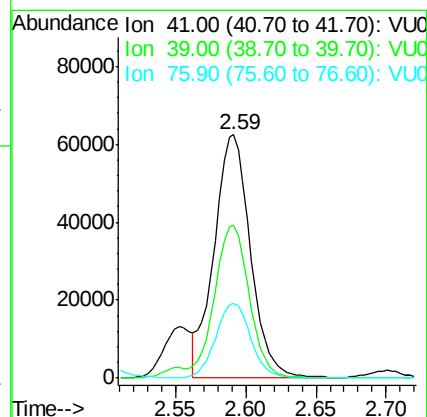
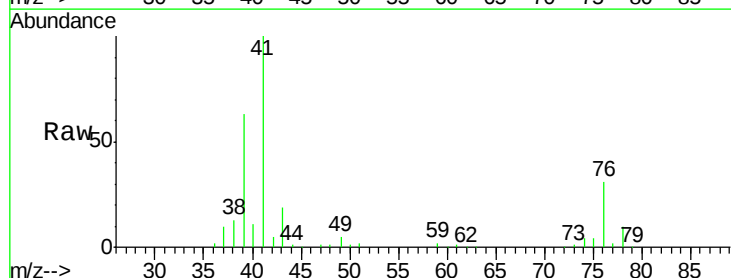
Tgt Ion: 41 Resp: 111488

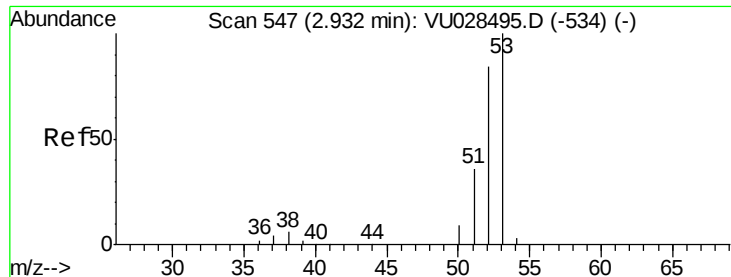
Ion Ratio Lower Upper

41 100

39 63.6 50.8 76.2

76 29.7 24.8 37.2





#15

Acrylonitrile

Concen: 332.652 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

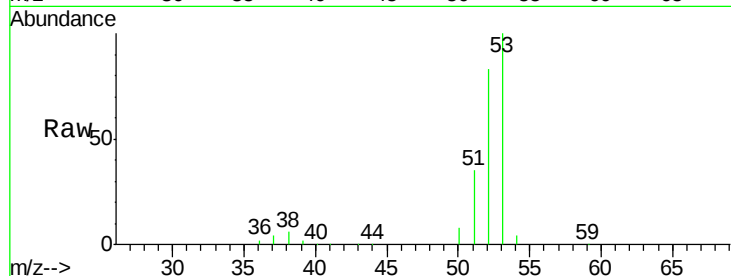
Tot Ion: 53 Resp: 265898

Ion Ratio Lower Upper

53 100

52 82.7 66.1 99.1

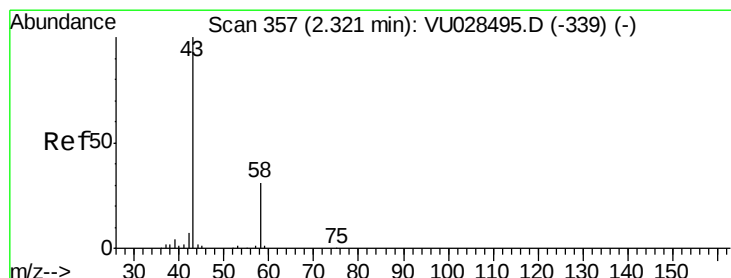
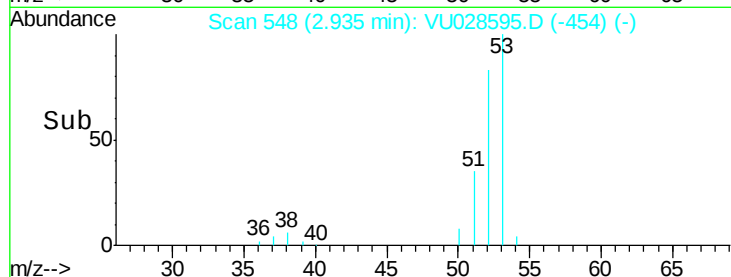
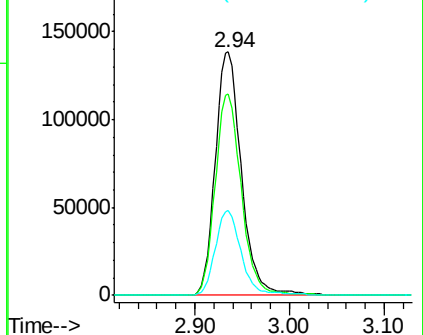
51 34.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 440.499 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028595.D

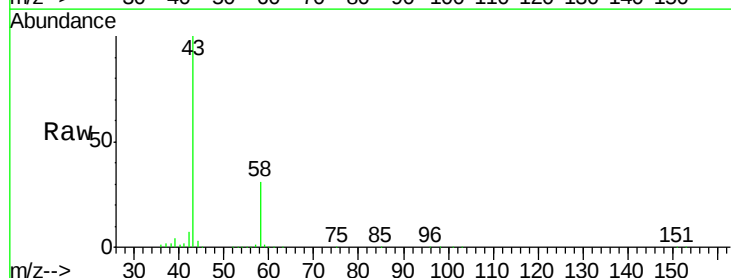
Acq: 11 Dec 2018 09:42

Tgt Ion: 43 Resp: 371454

Ion Ratio Lower Upper

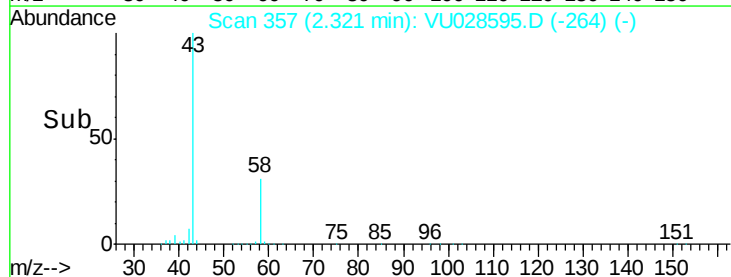
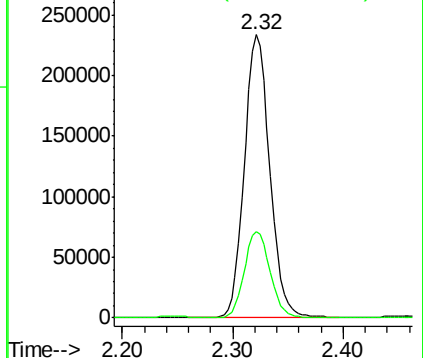
43 100

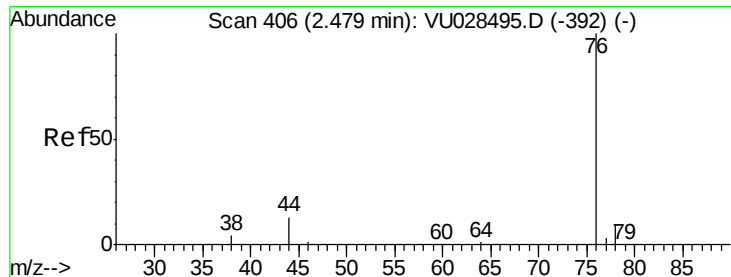
58 30.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

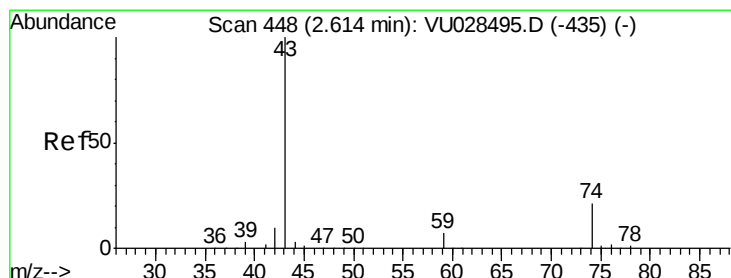
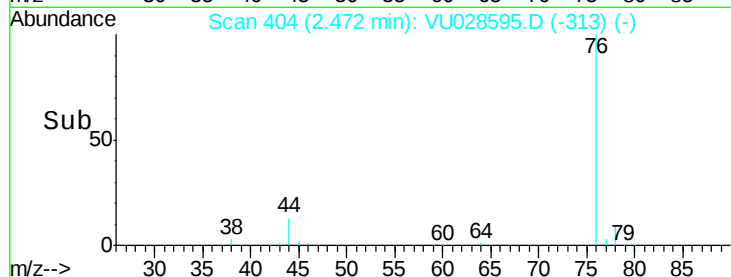
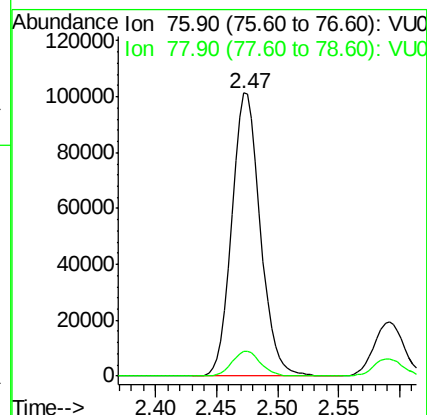
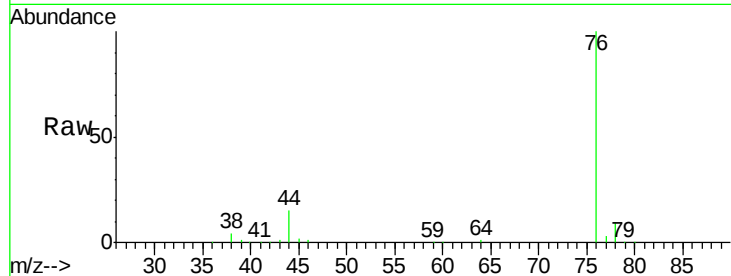




#17
Carbon Disulfide
Concen: 48.862 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

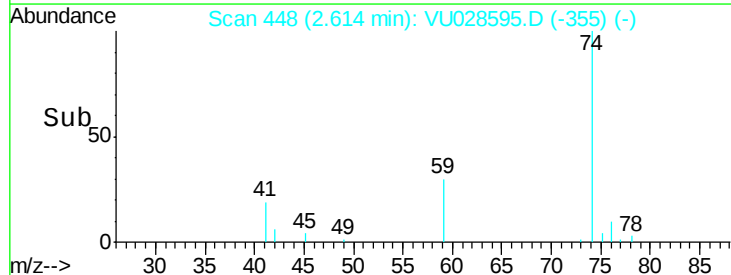
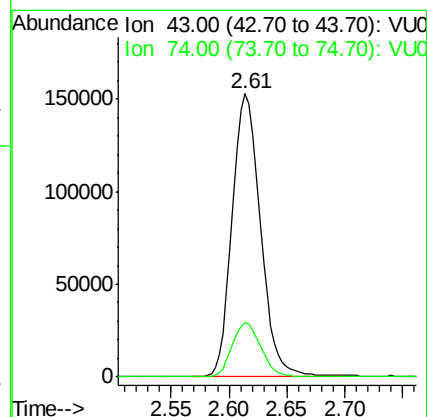
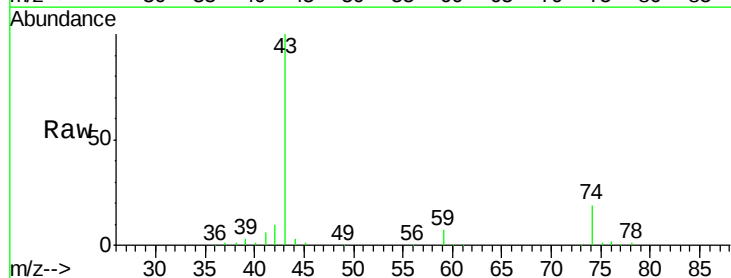
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

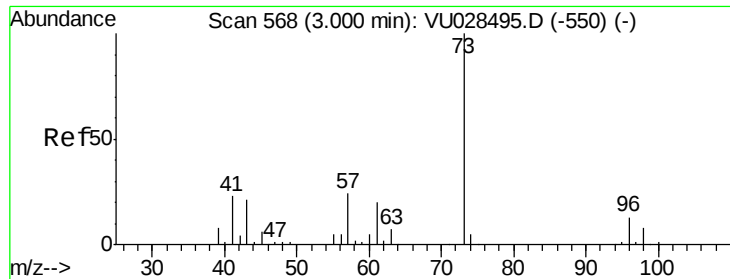
Tot Ion: 76 Resp: 165958
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 118.027 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 43 Resp: 258000
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6

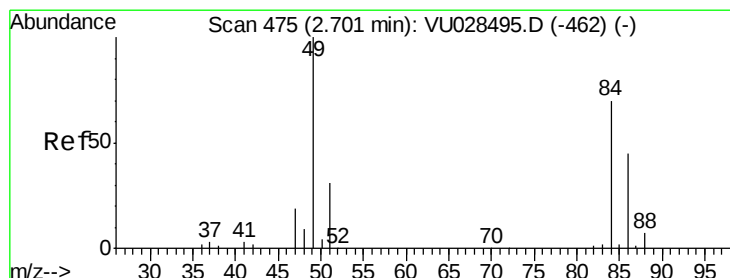
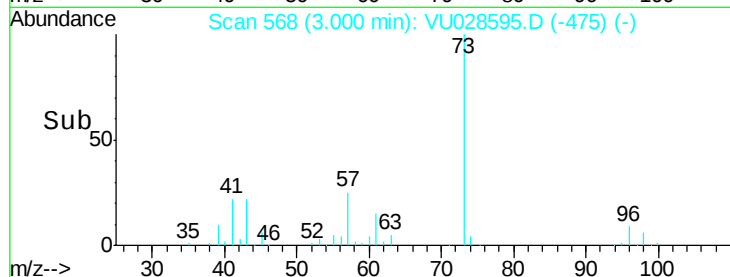
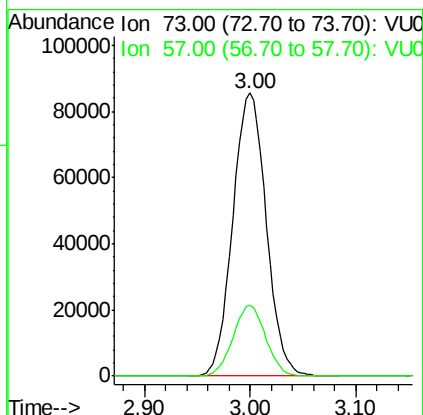
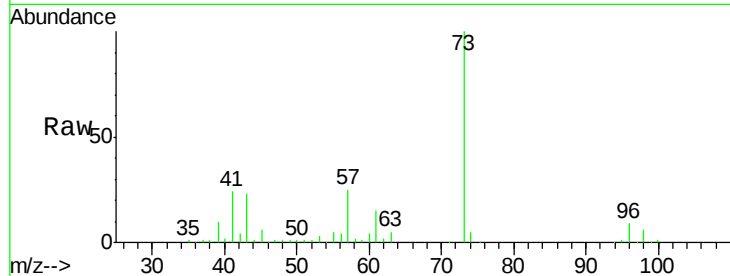




#19
Methvl tert-butvl Ether
Concen: 52.714 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

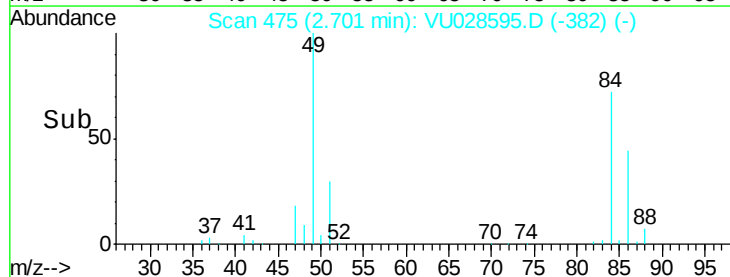
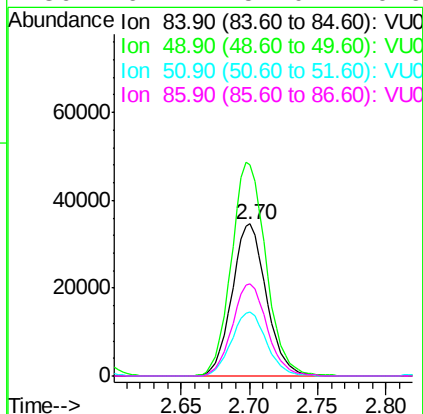
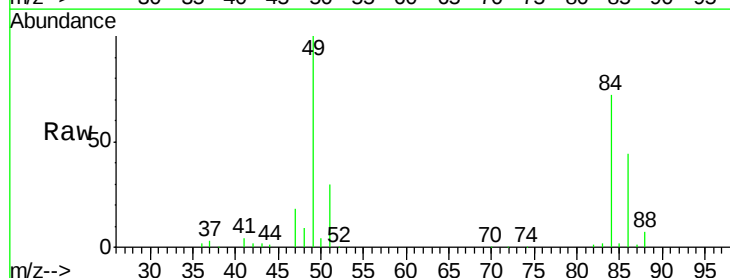
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

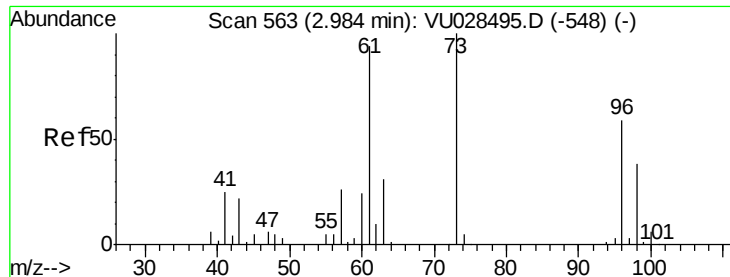
Tot Ion: 73 Resp: 188404
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2



#20
Methylene Chloride
Concen: 48.775 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 84 Resp: 60632
Ion Ratio Lower Upper
84 100
49 139.2 114.0 171.0
51 42.2 35.1 52.7
86 61.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.553 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

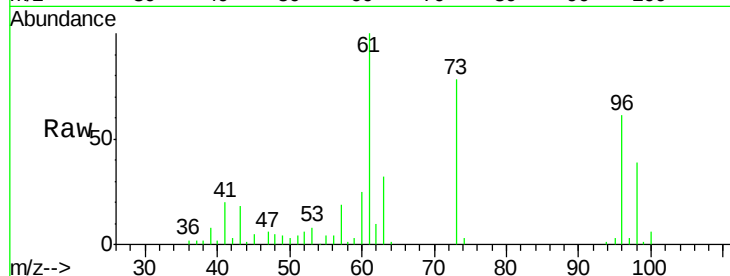
Tot Ion: 96 Resp: 52601

Ion Ratio Lower Upper

96 100

61 162.9 127.0 190.4

98 63.5 51.9 77.9

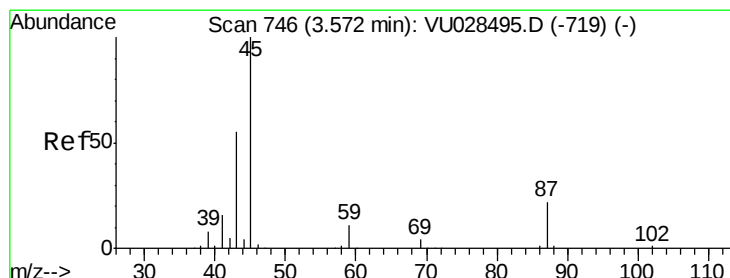
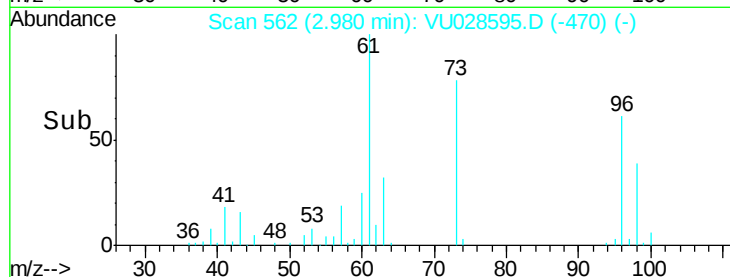
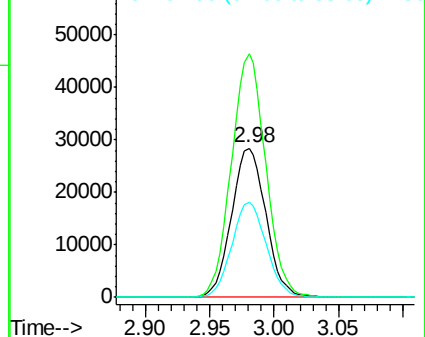


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 53.677 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion: 45 Resp: 232813

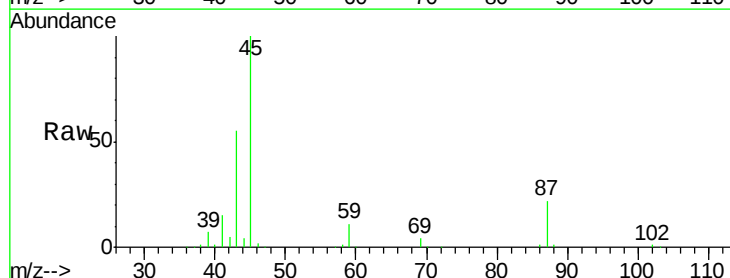
Ion Ratio Lower Upper

45 100

43 53.8 45.3 67.9

87 21.9 17.6 26.4

59 10.6 8.8 13.2



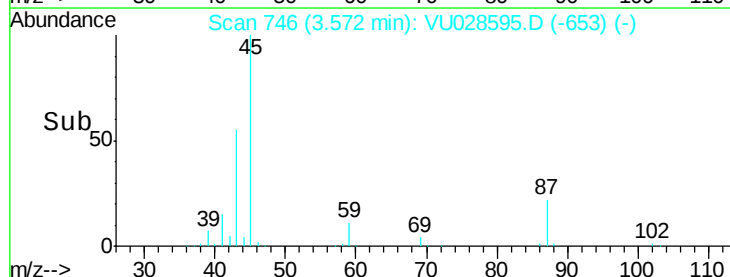
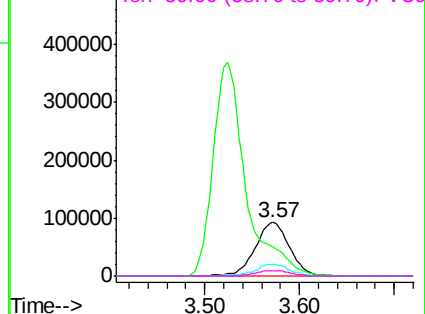
Abundance

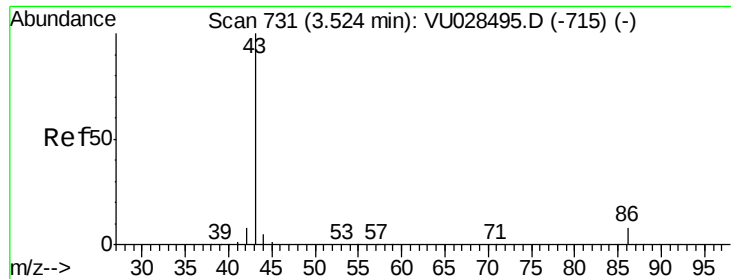
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 248.444 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

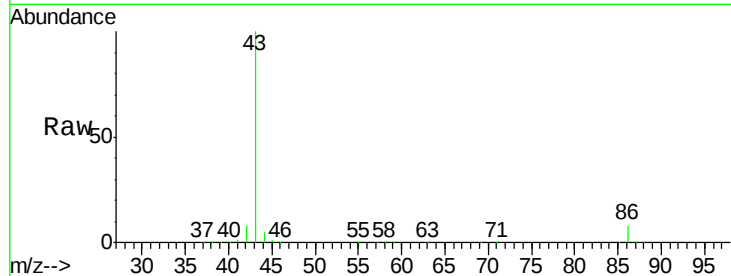
P001-SW004-01MSD

Tot Ion: 43 Resp: 888828

Ion Ratio Lower Upper

43 100

86 8.0 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

300000

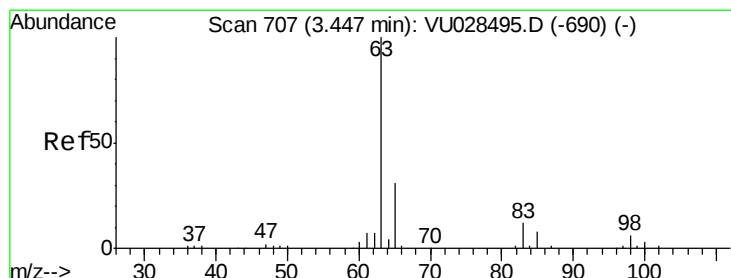
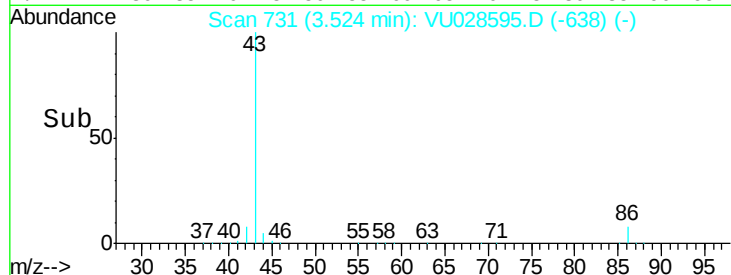
200000

100000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 51.661 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

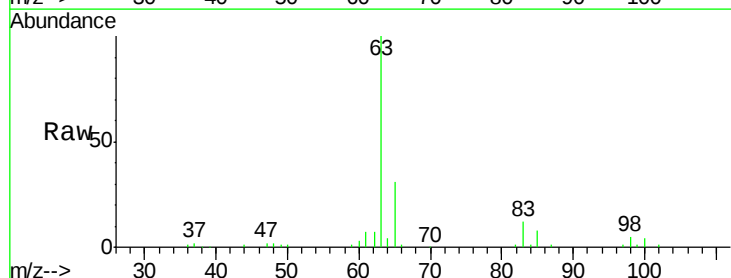
Tgt Ion: 63 Resp: 117291

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.7 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

60000

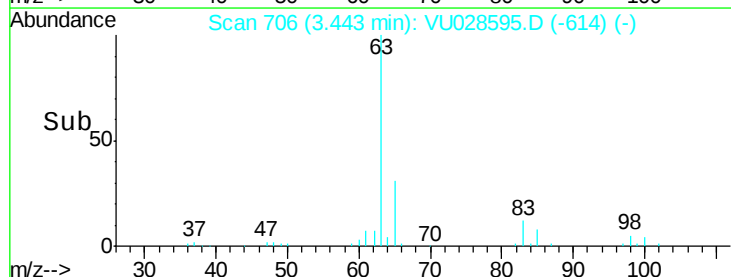
40000

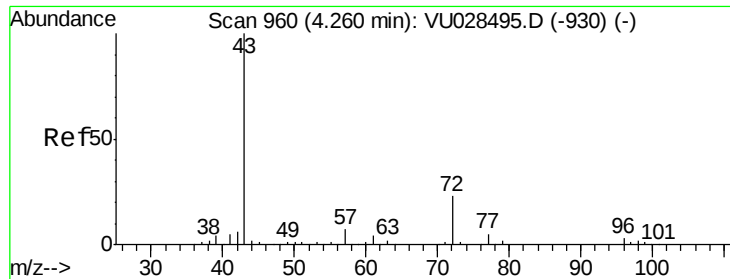
20000

0

Time-->

3.35 3.40 3.45 3.50 3.55

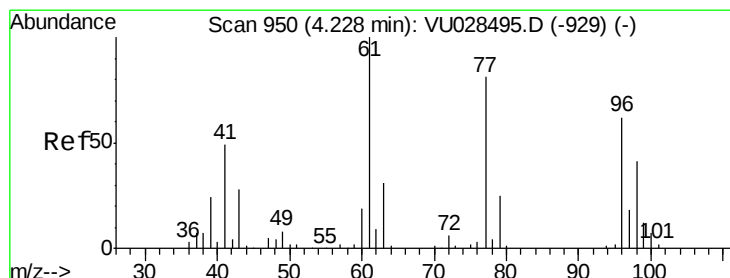
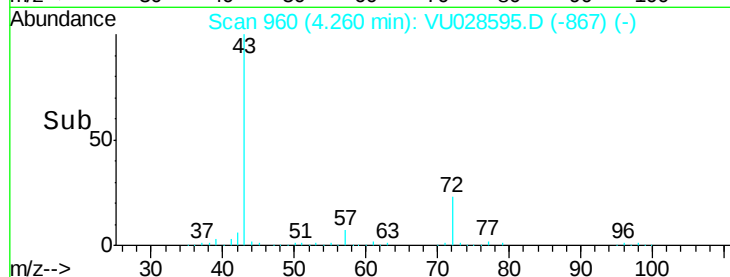
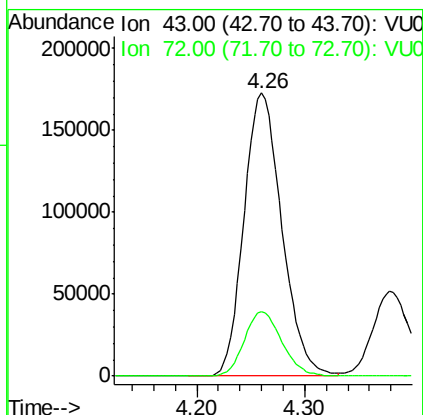
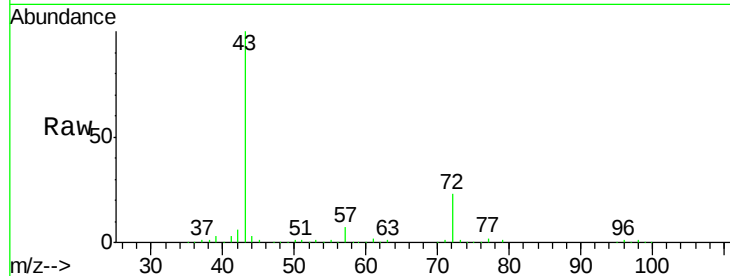




#25
2-Butanone
Concen: 365.256 ug/l
RT: 4.26 min Scan# 960
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

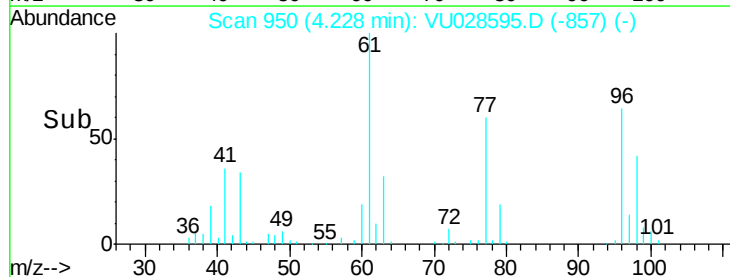
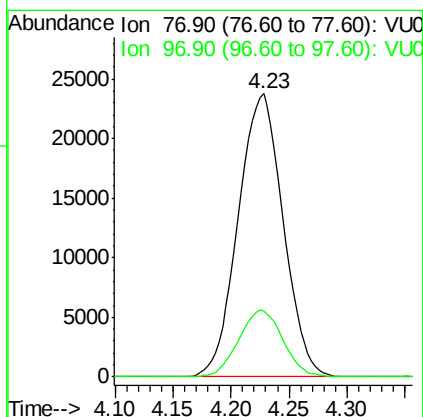
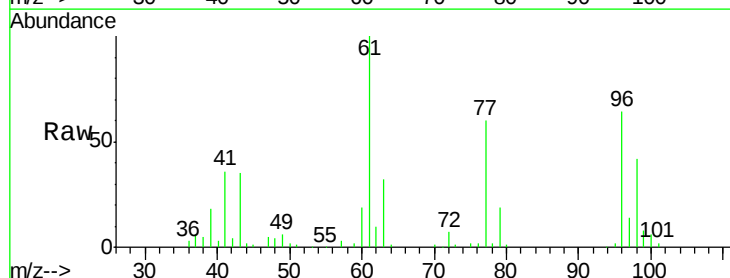
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

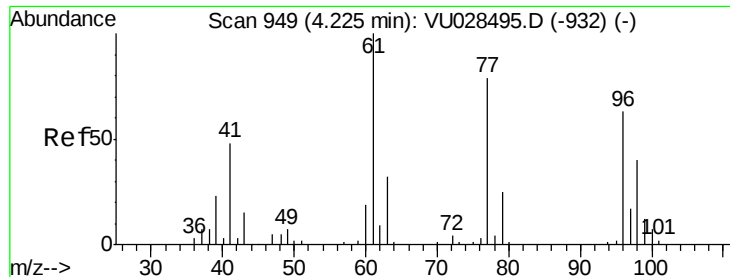
Tot Ion: 43 Resp: 420919
Ion Ratio Lower Upper
43 100
72 22.6 18.6 28.0



#26
2,2-Dichloropropane
Concen: 35.641 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 77 Resp: 64116
Ion Ratio Lower Upper
77 100
97 23.2 11.0 33.0



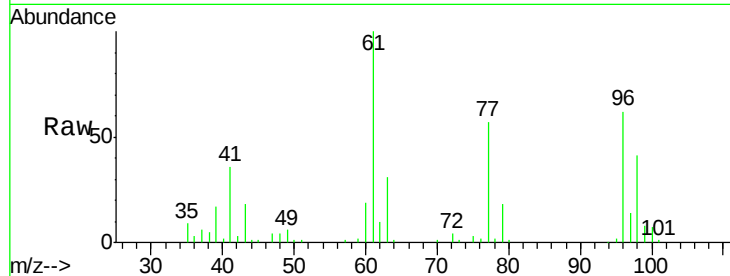


#27

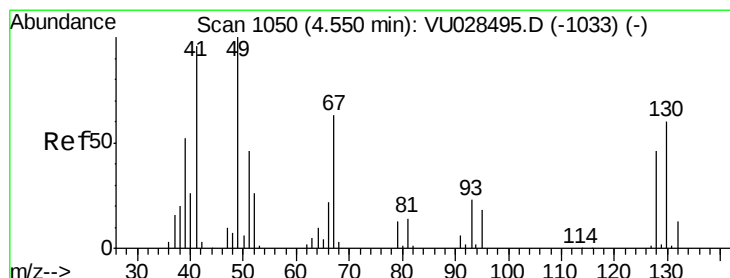
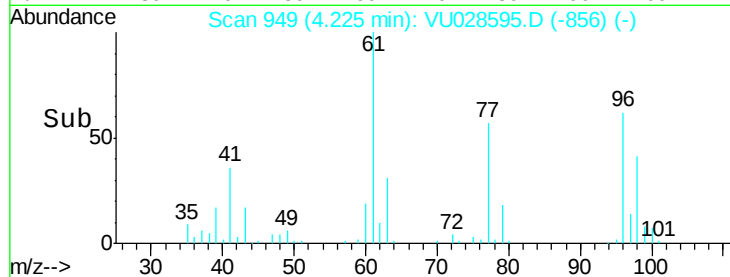
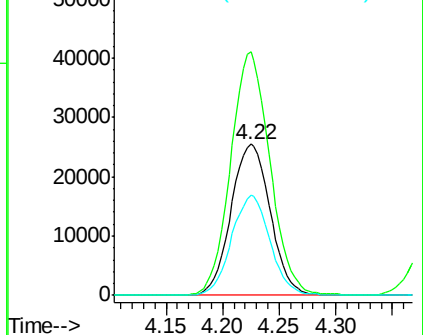
cis-1,2-Dichloroethene
 Concen: 51.417 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion: 96 Resp: 61777
 Ion Ratio Lower Upper
 96 100
 61 160.4 0.0 332.4
 98 64.4 0.0 129.0



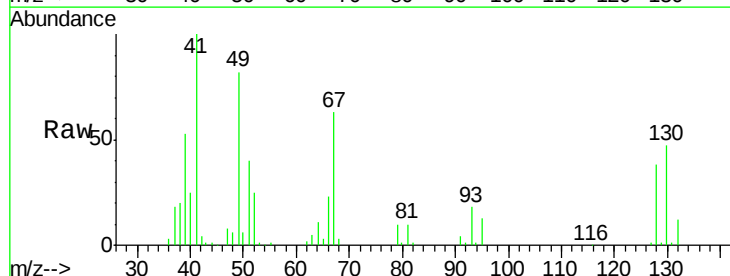
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



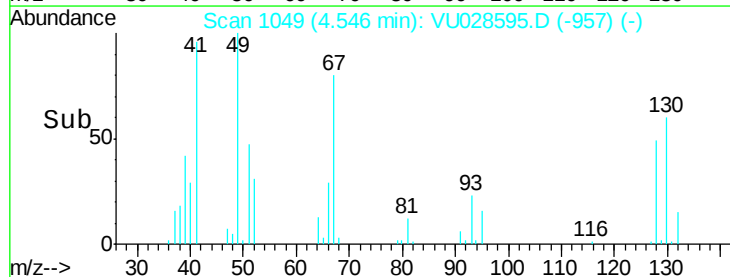
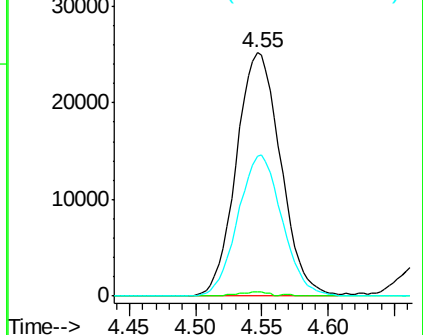
#28

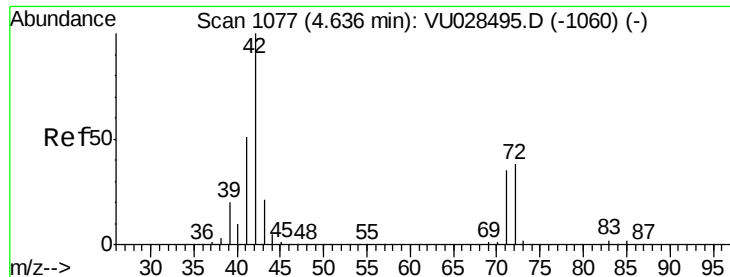
Bromochloromethane
 Concen: 56.841 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 49 Resp: 58667
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.0
 130 57.7 47.8 71.8



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





#29

Tetrahydrofuran

Concen: 367.837 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

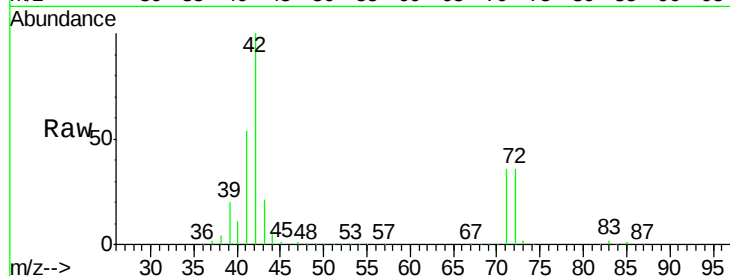
Tot Ion: 42 Resp: 272241

Ion Ratio Lower Upper

42 100

72 37.0 31.4 47.0

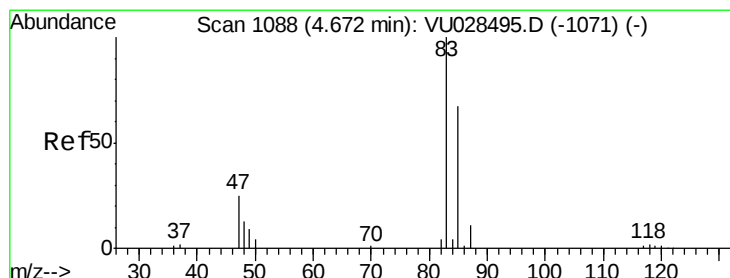
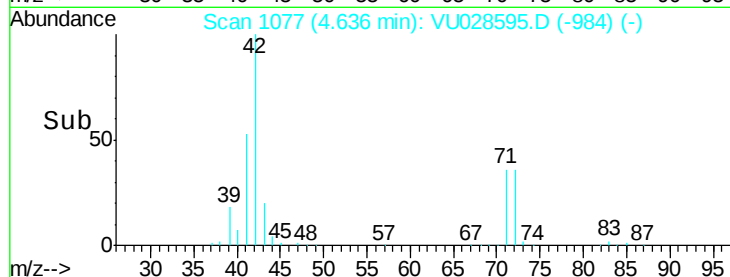
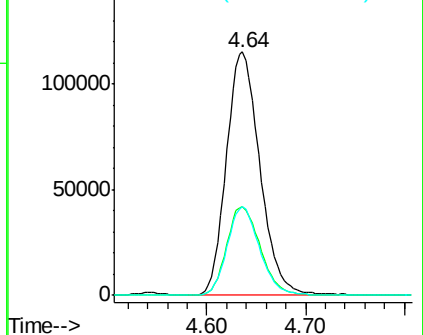
71 35.6 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 52.818 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028595.D

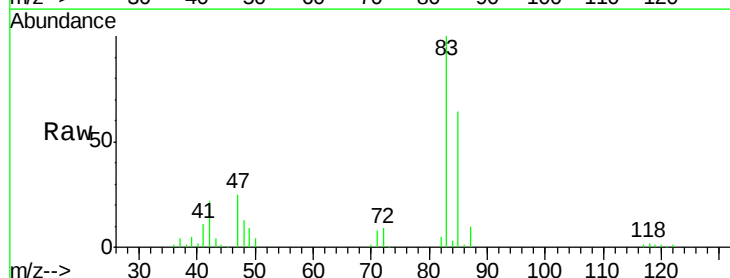
Acq: 11 Dec 2018 09:42

Tgt Ion: 83 Resp: 104515

Ion Ratio Lower Upper

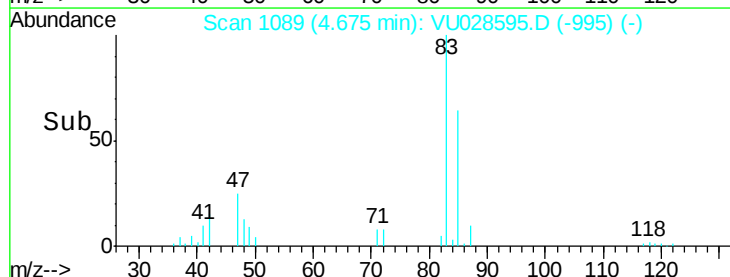
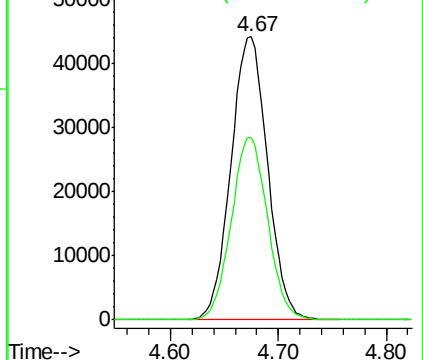
83 100

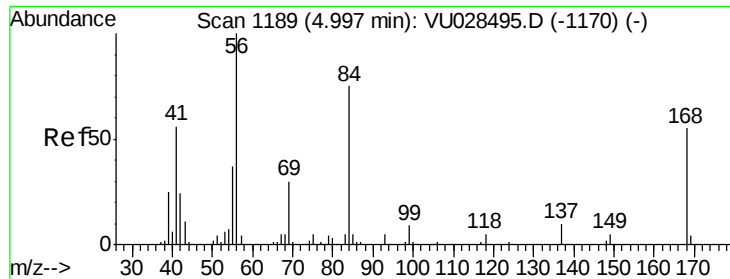
85 64.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

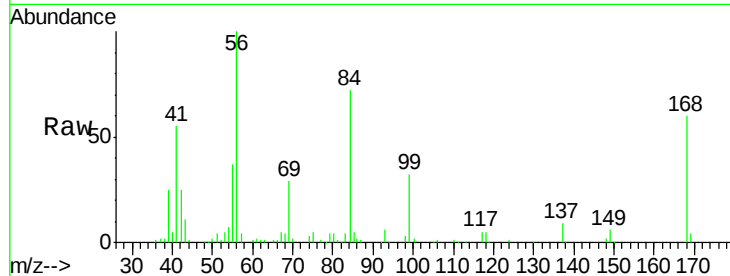




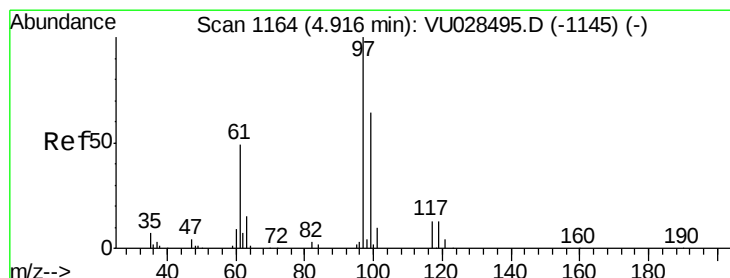
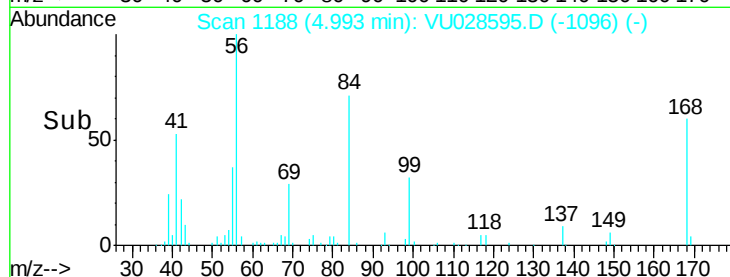
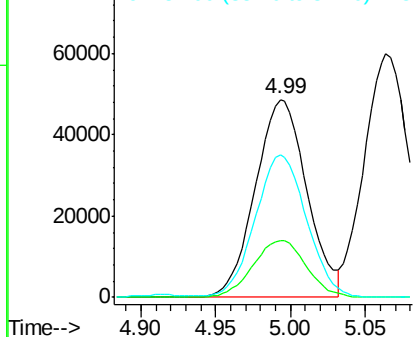
#31
Cyclohexane
Concen: 52.575 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion: 56 Resp: 116347
Ion Ratio Lower Upper
56 100
69 28.9 24.0 36.0
84 71.5 59.7 89.5

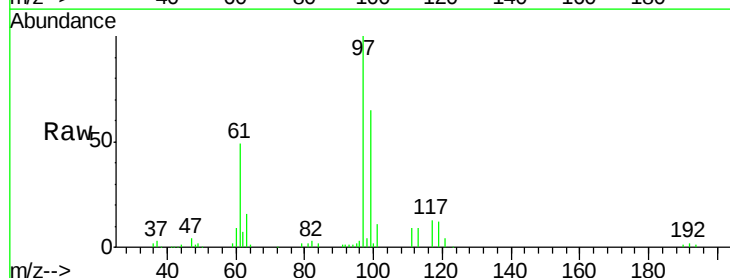


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

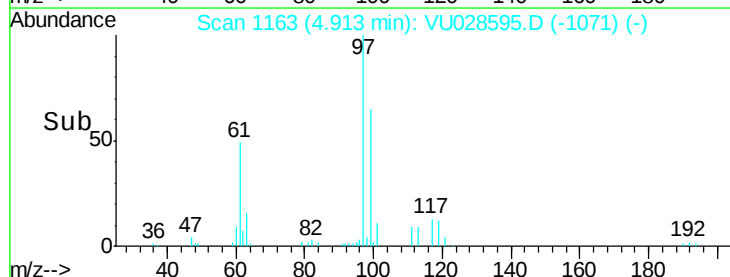
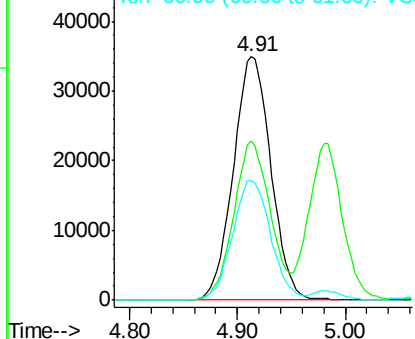


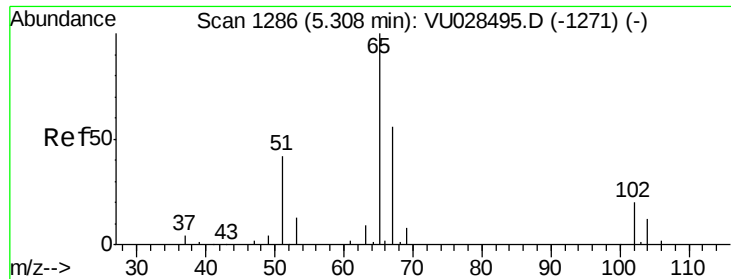
#32
1,1,1-Trichloroethane
Concen: 51.516 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 97 Resp: 84663
Ion Ratio Lower Upper
97 100
99 63.4 52.3 78.5
61 49.9 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

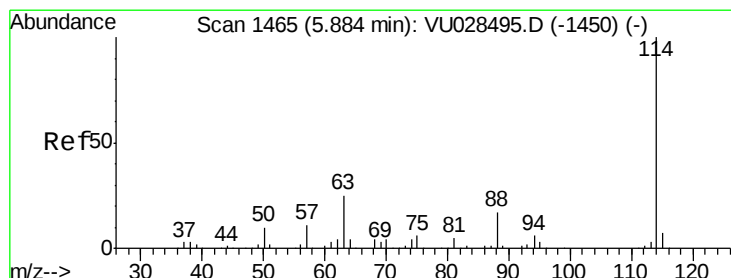
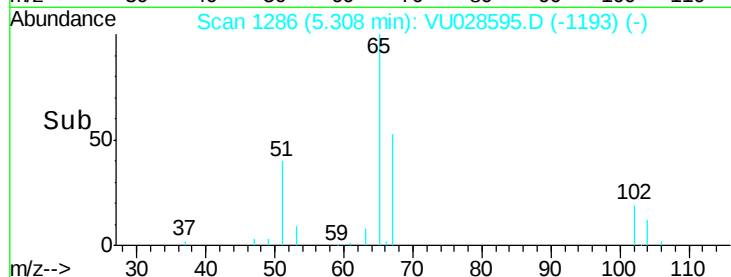
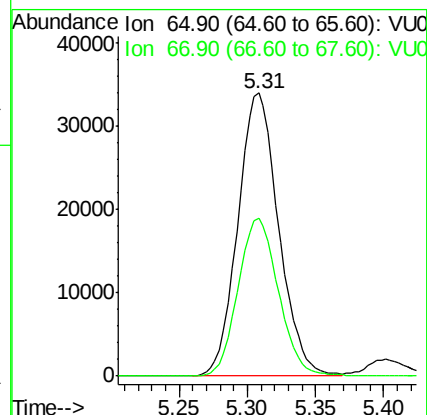
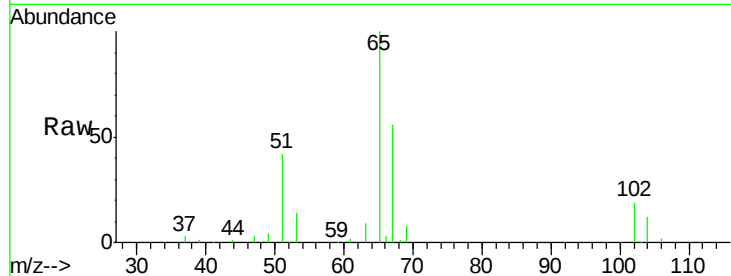




#33
 1,2-Dichloroethane-d4
 Concen: 54.609 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

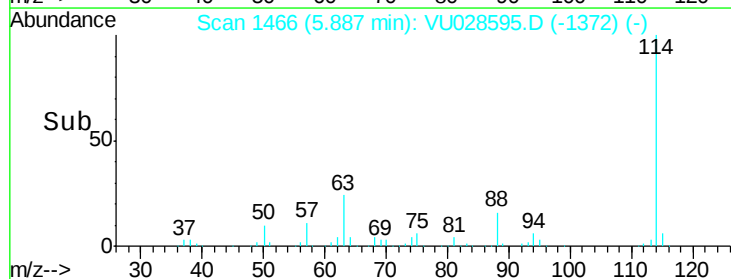
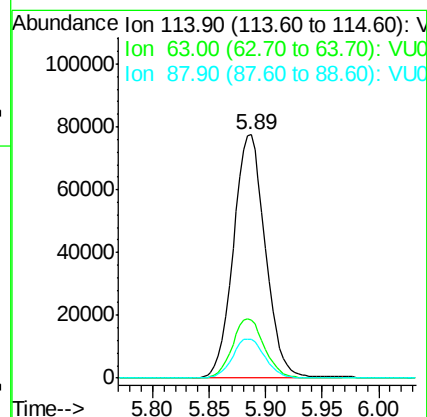
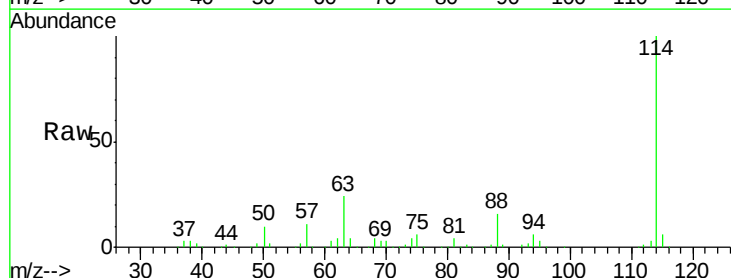
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion: 65 Resp: 70569
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 114 Resp: 152638
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 15.8 0.0 33.4

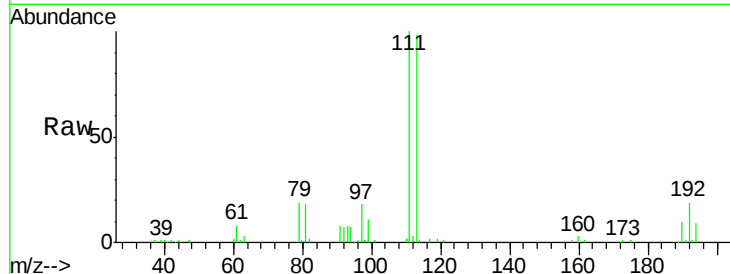




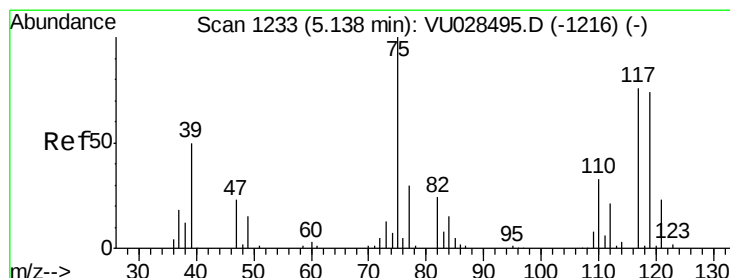
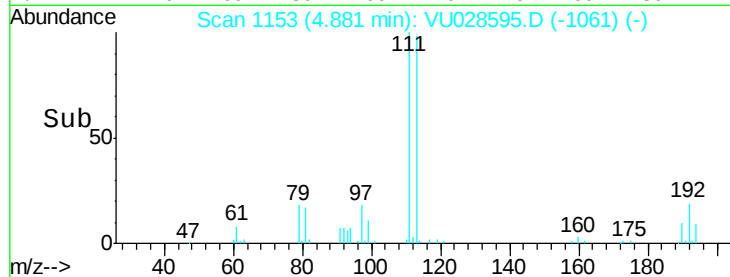
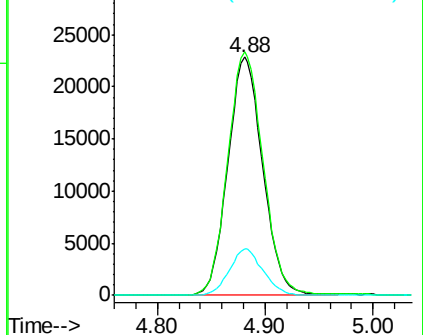
#35
 Dibromofluoromethane
 Concen: 53.680 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion:113 Resp: 51563
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.0
 192 18.6 14.8 22.2

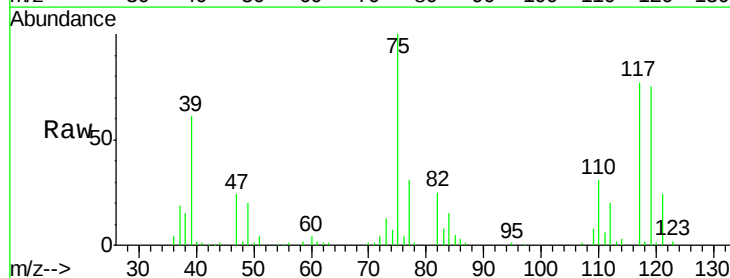


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

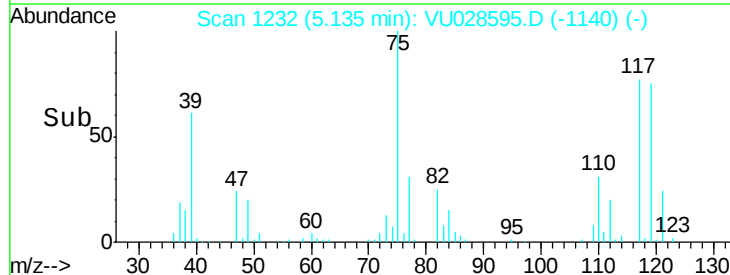
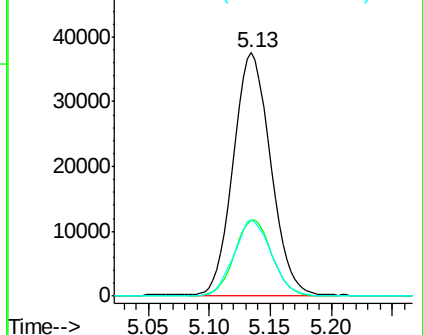


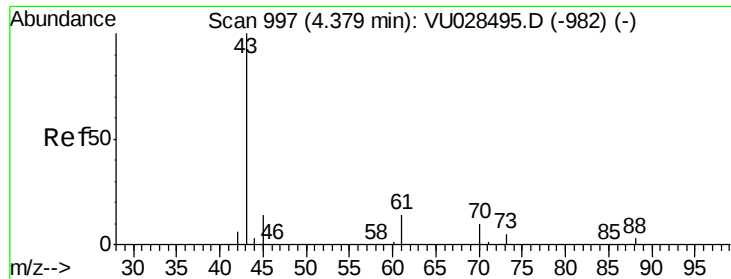
#36
 1,1-Dichloropropene
 Concen: 47.410 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 75 Resp: 79188
 Ion Ratio Lower Upper
 75 100
 110 31.7 16.1 48.2
 77 31.5 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 58.086 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

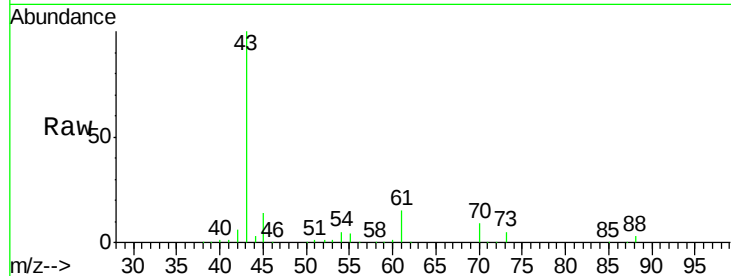
Tot Ion: 43 Resp: 125420

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

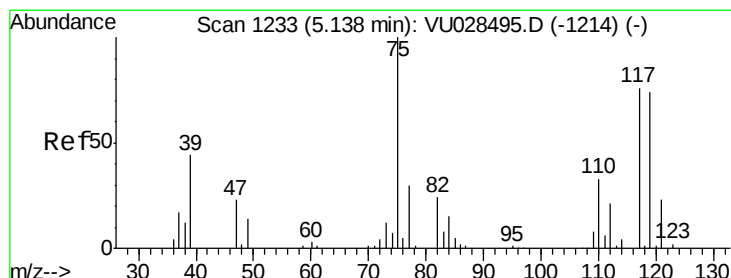
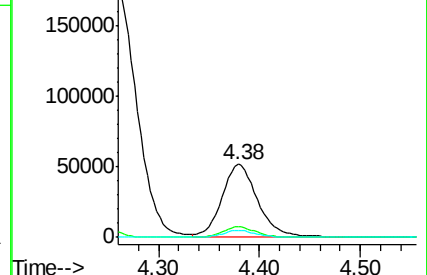
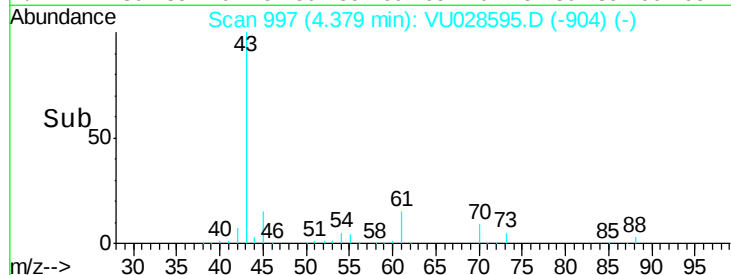
70 9.0 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 50.252 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

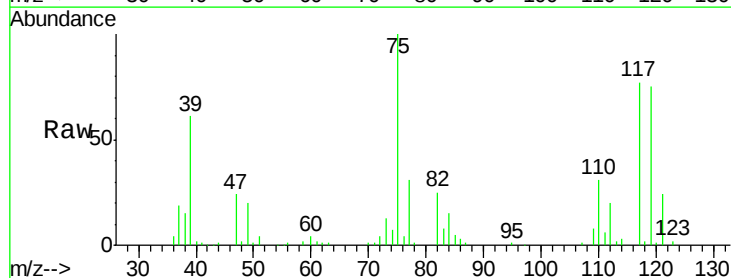
Tgt Ion: 117 Resp: 67652

Ion Ratio Lower Upper

117 100

119 97.8 77.6 116.4

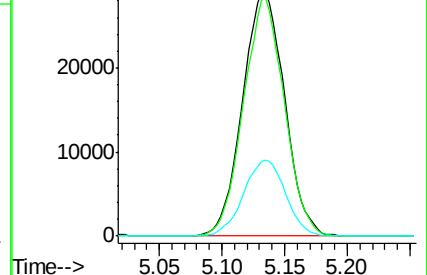
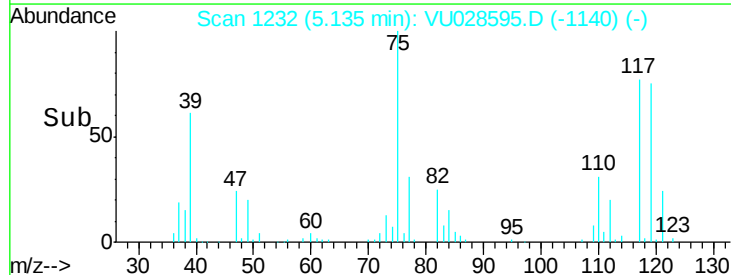
121 31.2 24.6 36.8

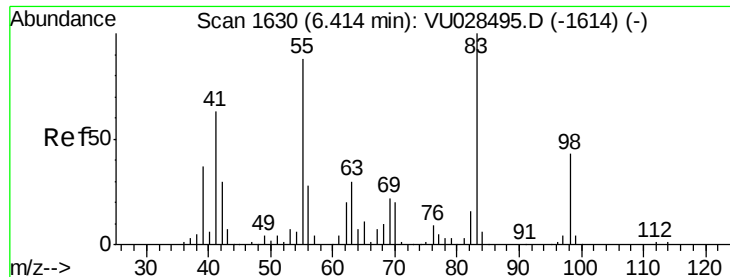


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

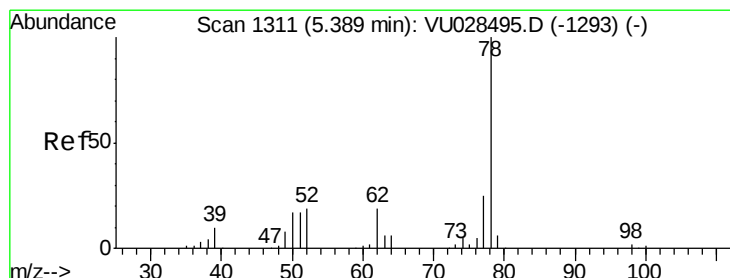
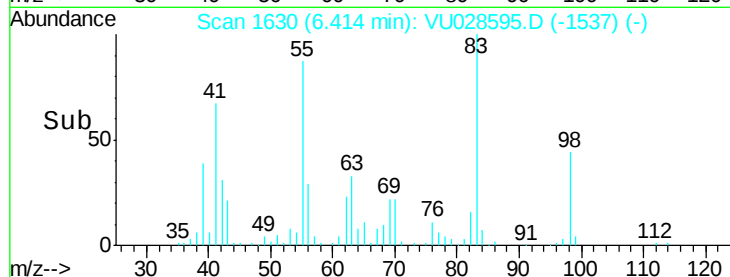
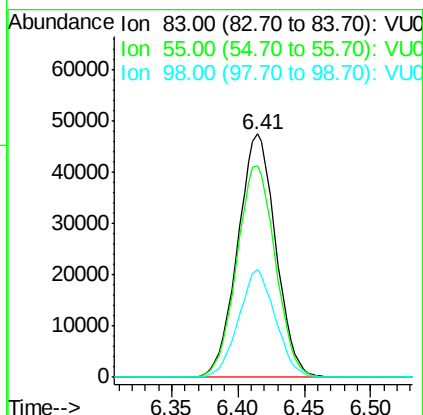
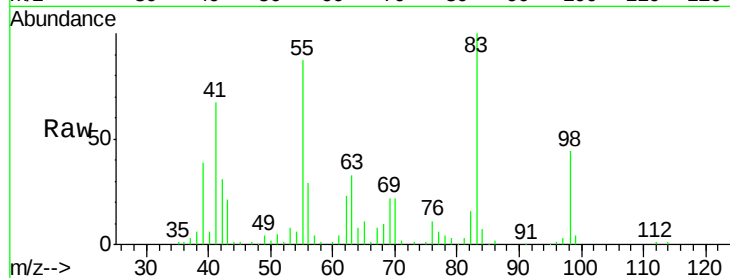




#39
Methylvlcvclohexane
Concen: 46.365 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

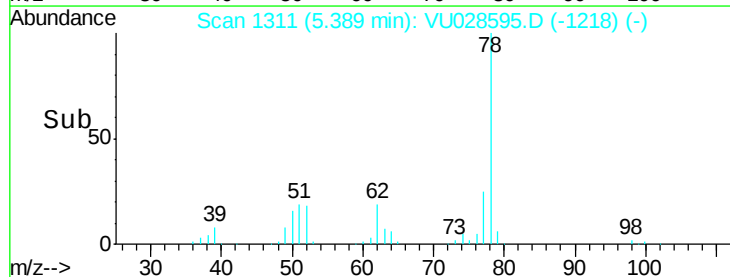
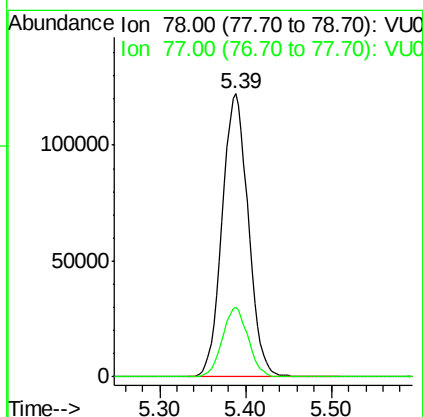
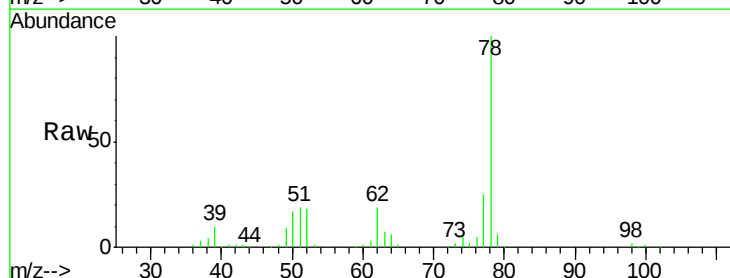
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

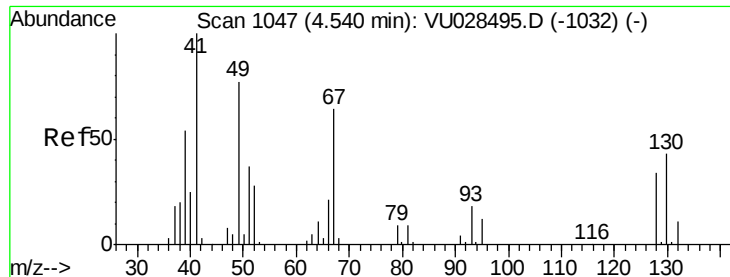
Tot Ion: 83 Resp: 94480
Ion Ratio Lower Upper
83 100
55 87.2 70.2 105.2
98 44.2 34.2 51.4



#40
Benzene
Concen: 52.601 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 78 Resp: 258767
Ion Ratio Lower Upper
78 100
77 24.6 19.9 29.9





#41

Methacrylonitrile

Concen: 64.299 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

Tot Ion: 41 Resp: 76032

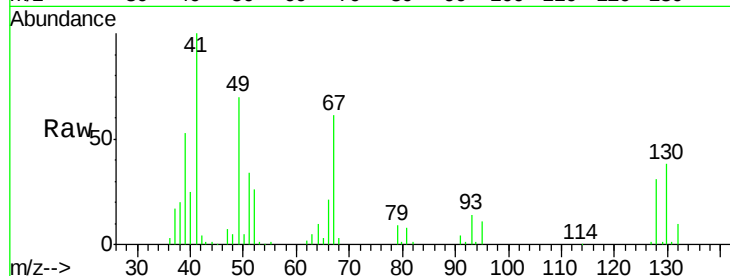
Ion Ratio Lower Upper

41 100

39 52.5 43.3 64.9

67 62.8 53.6 80.4

52 26.3 22.1 33.1

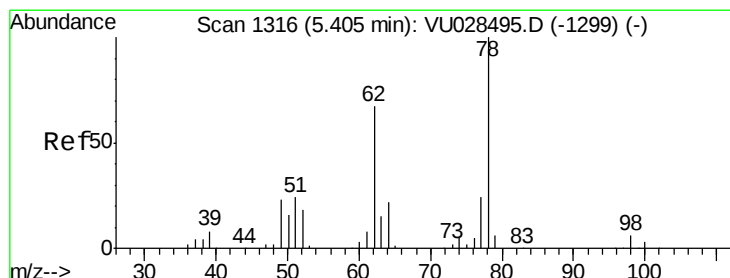
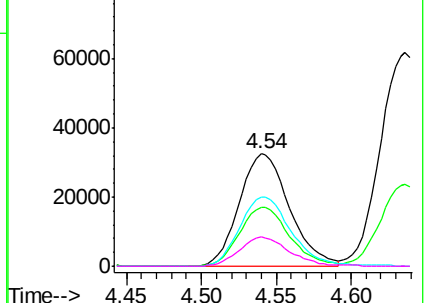
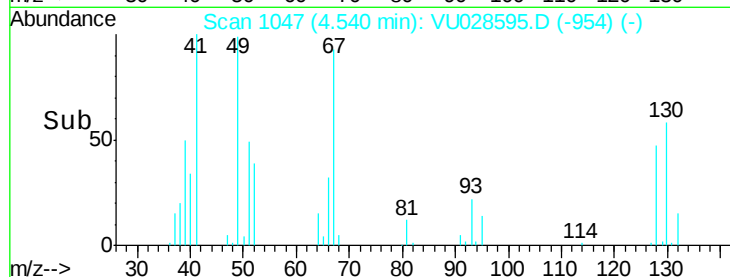


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 50.722 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028595.D

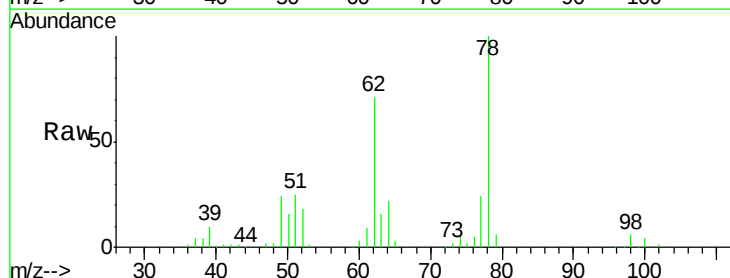
Acq: 11 Dec 2018 09:42

Tgt Ion: 62 Resp: 87342

Ion Ratio Lower Upper

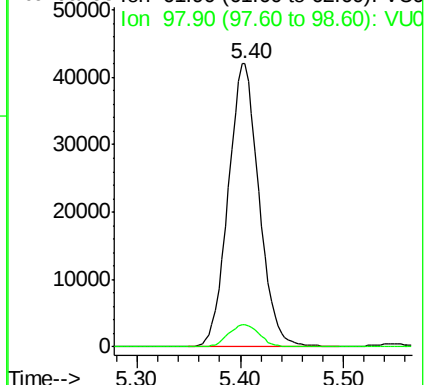
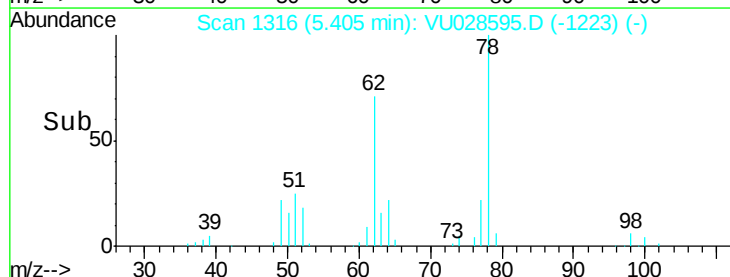
62 100

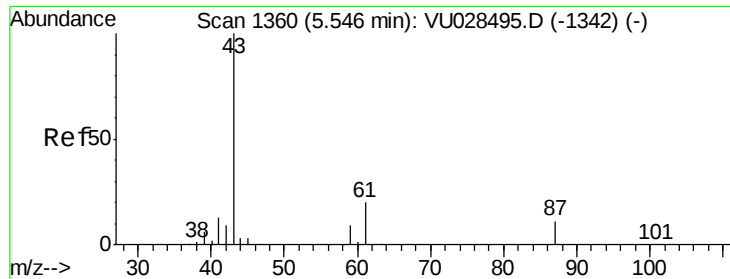
98 7.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 56.577 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

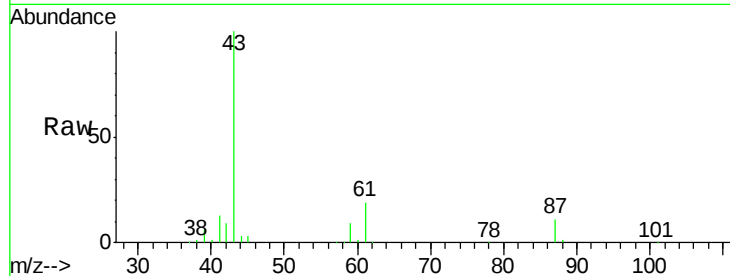
Tot Ion: 43 Resp: 193223

Ion Ratio Lower Upper

43 100

61 18.6 15.5 23.3

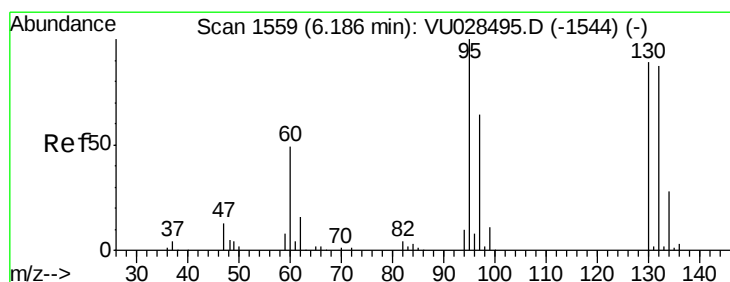
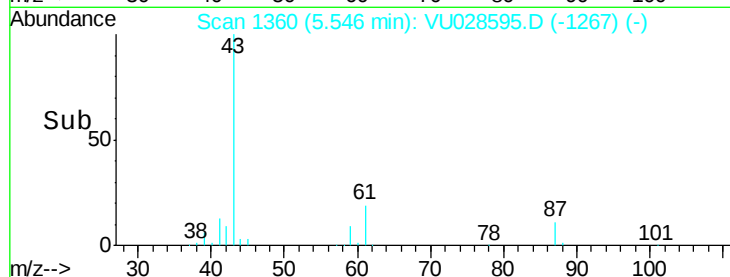
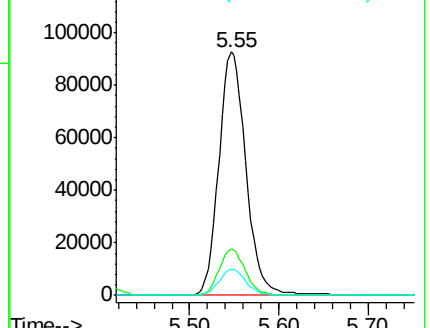
87 10.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 48.386 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028595.D

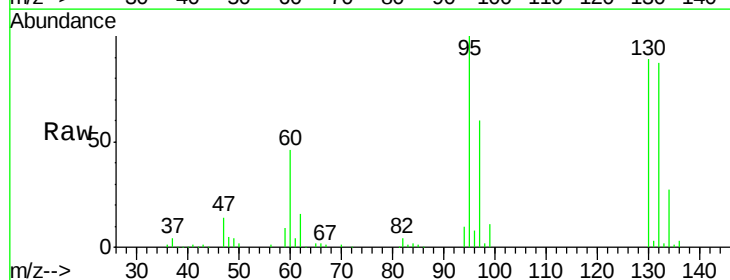
Acq: 11 Dec 2018 09:42

Tgt Ion:130 Resp: 52926

Ion Ratio Lower Upper

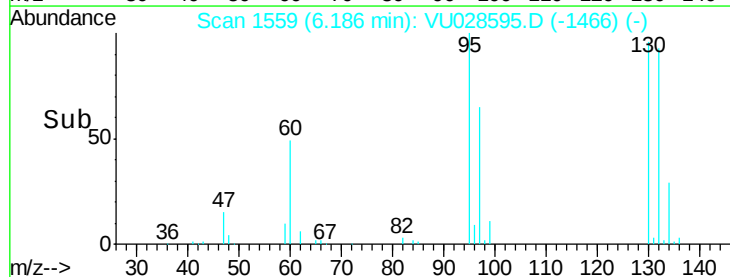
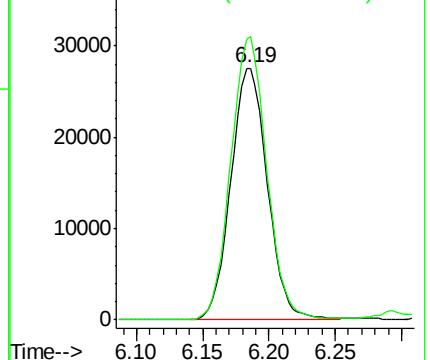
130 100

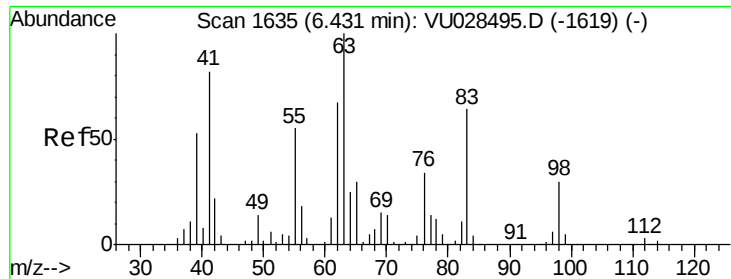
95 112.5 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

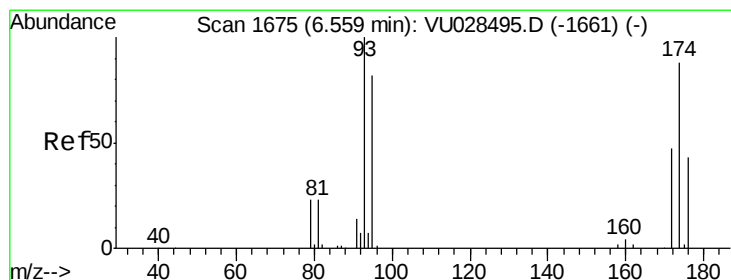
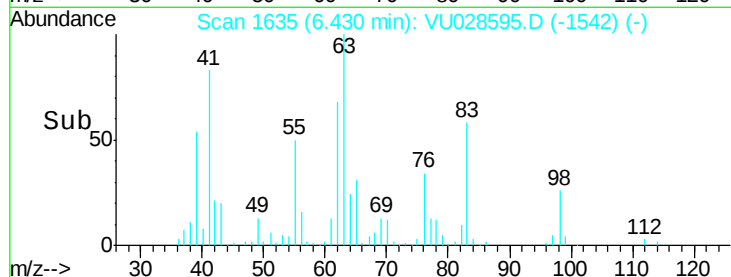
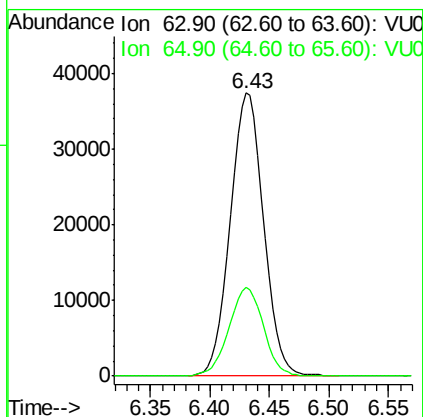
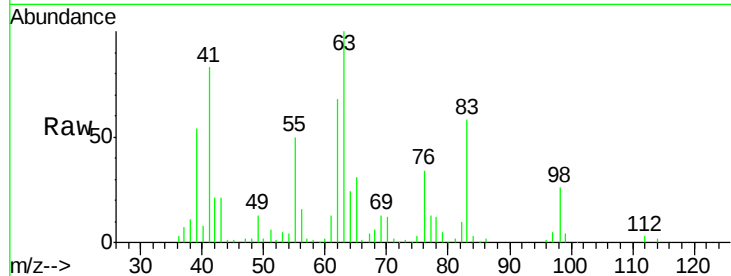




#45
 1,2-Dichloropropane
 Concen: 52.570 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

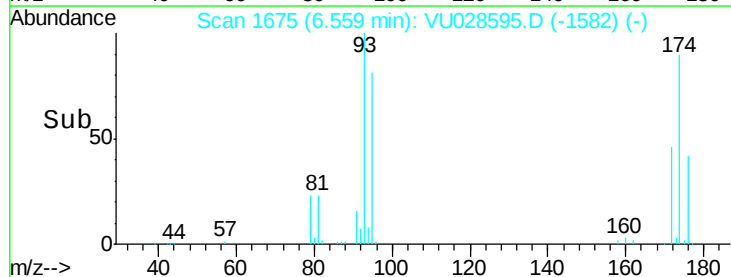
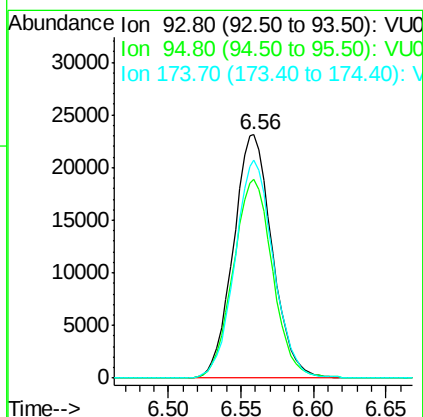
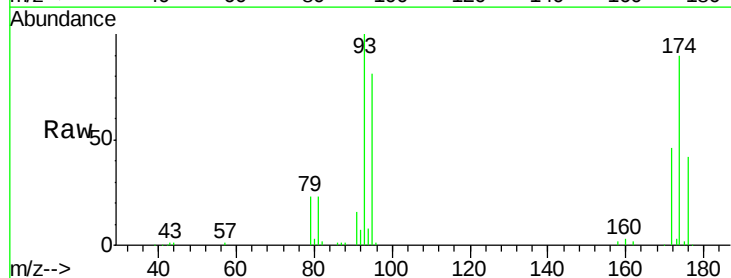
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

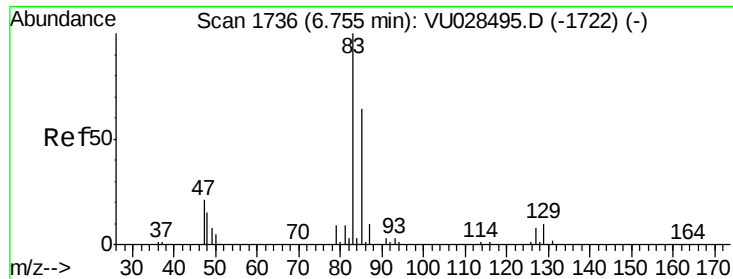
Tot Ion: 63 Resp: 72724
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4



#46
 Dibromomethane
 Concen: 52.305 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 93 Resp: 42932
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.4 98.2
 174 89.1 72.2 108.4





#47

Bromodichloromethane

Concen: 51.079 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

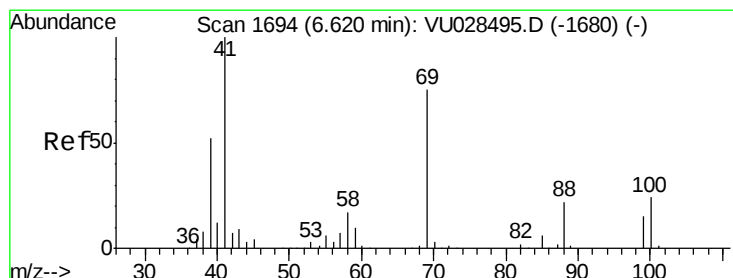
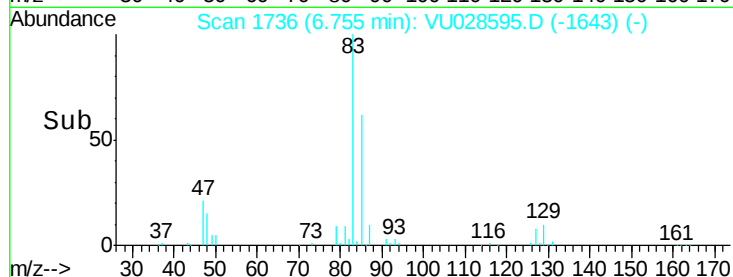
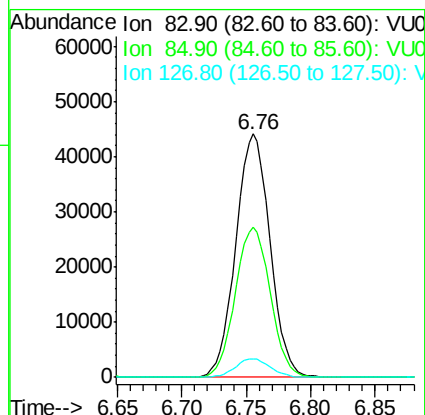
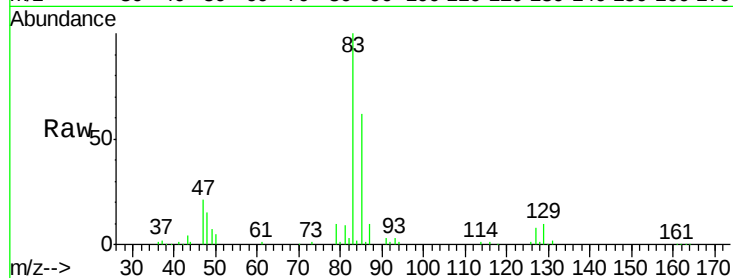
Tot Ion: 83 Resp: 81584

Ion Ratio Lower Upper

83 100

85 61.6 51.5 77.3

127 7.7 6.2 9.4



#48

Methyl methacrylate

Concen: 60.410 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

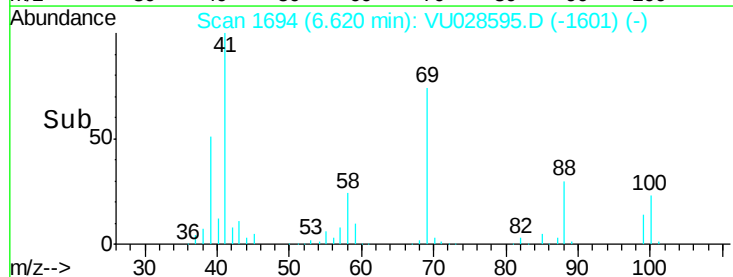
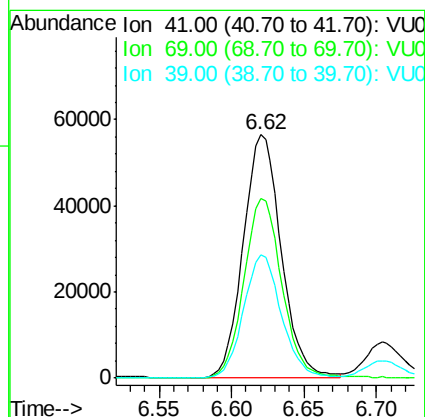
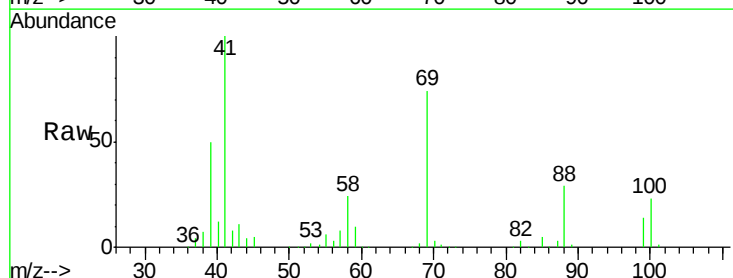
Tgt Ion: 41 Resp: 102599

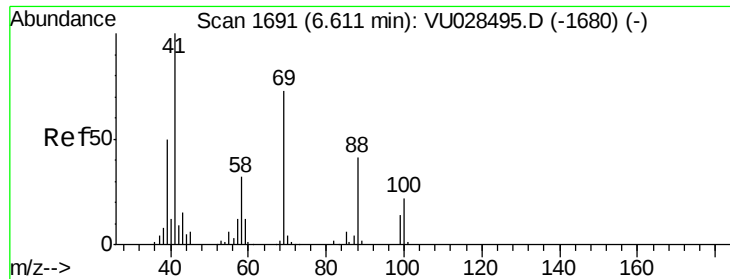
Ion Ratio Lower Upper

41 100

69 74.2 60.4 90.6

39 51.0 41.1 61.7

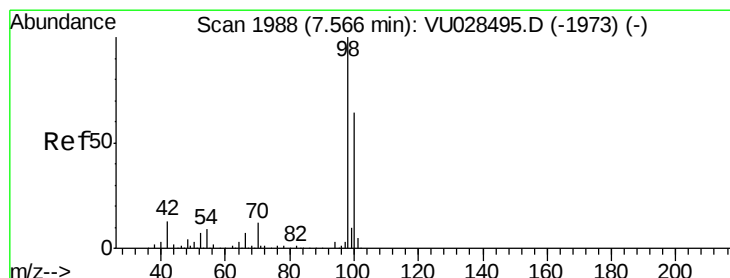
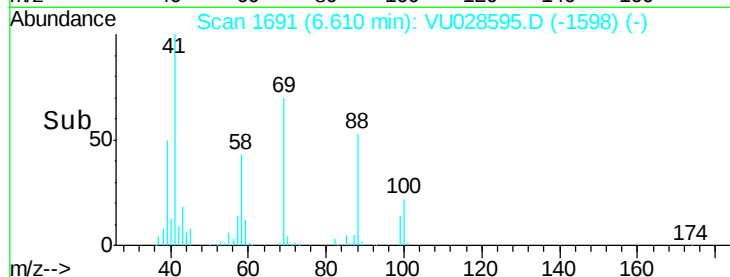
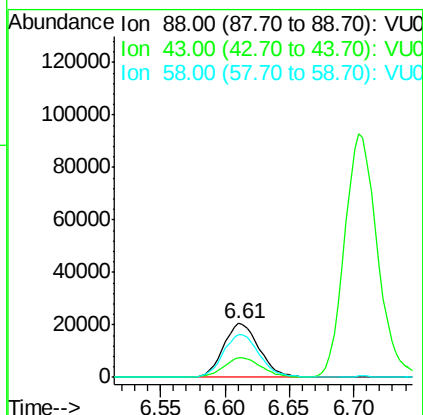
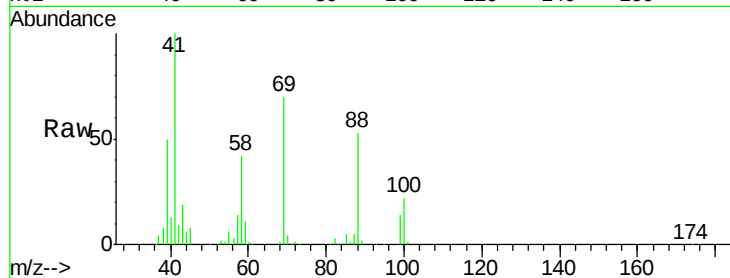




#49
1,4-Dioxane
Concen: 1489.949 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

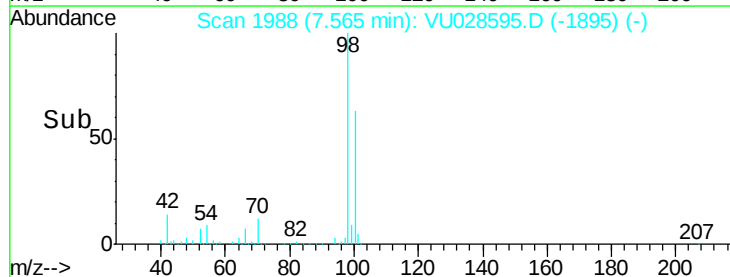
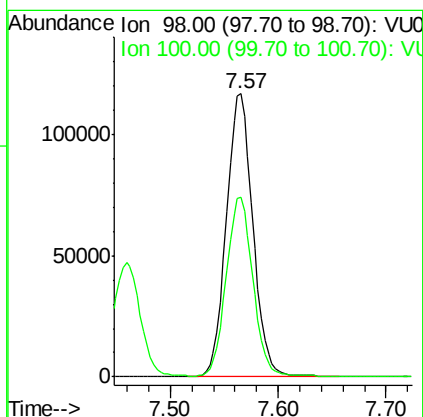
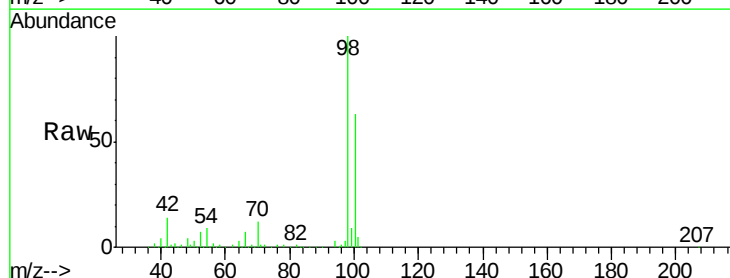
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

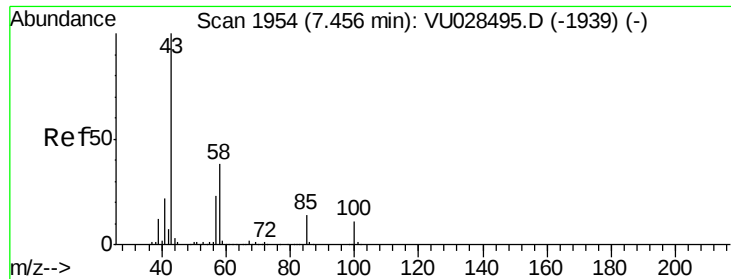
Tot Ion: 88 Resp: 39956
Ion Ratio Lower Upper
88 100
43 36.4 30.9 46.3
58 80.4 62.4 93.6



#50
Toluene-d8
Concen: 52.918 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 98 Resp: 201079
Ion Ratio Lower Upper
98 100
100 63.4 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 347.763 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

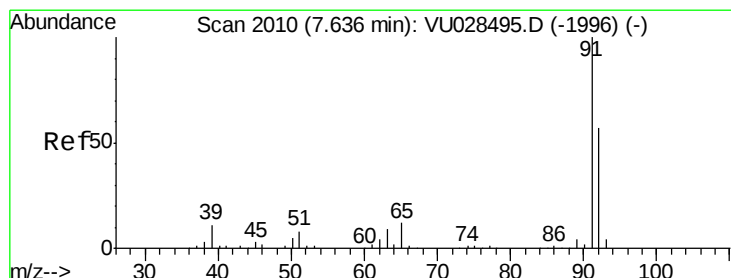
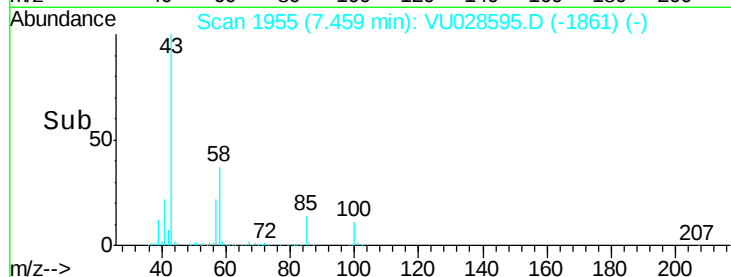
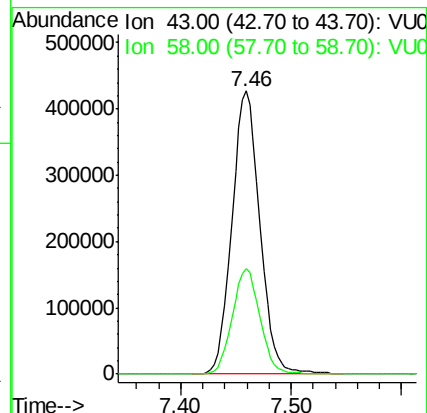
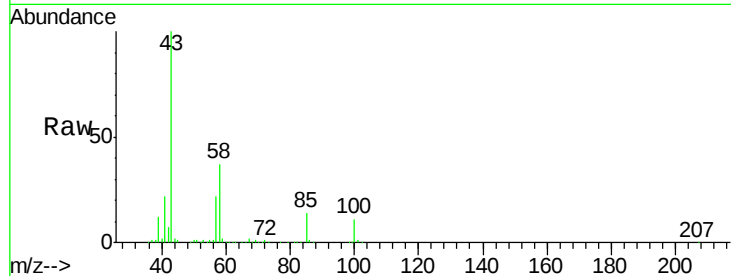
P001-SW004-01MSD

Tot Ion: 43 Resp: 749084

Ion Ratio Lower Upper

43 100

58 37.1 30.2 45.2



#52

Toluene

Concen: 51.474 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028595.D

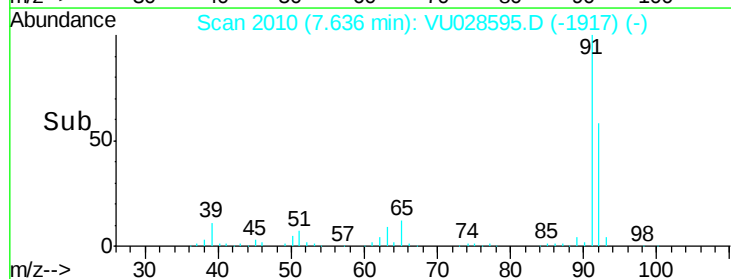
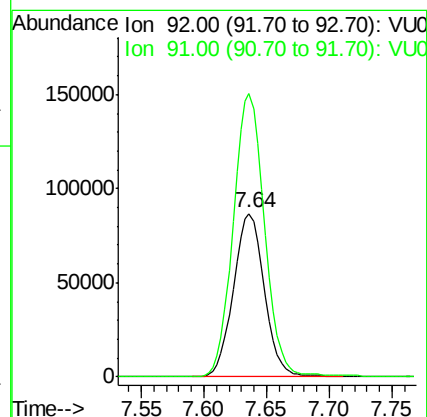
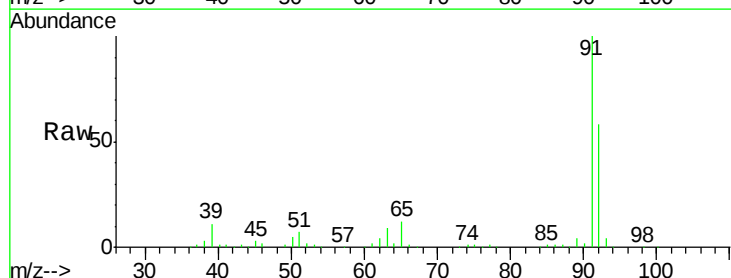
Acq: 11 Dec 2018 09:42

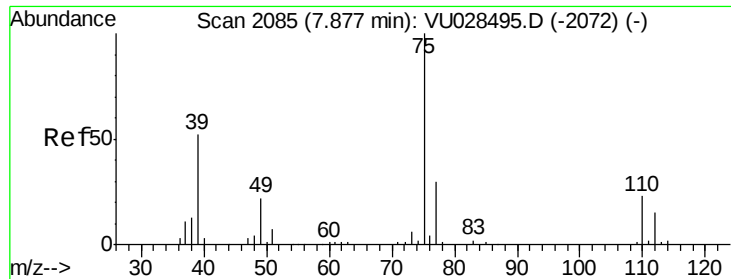
Tgt Ion: 92 Resp: 149025

Ion Ratio Lower Upper

92 100

91 175.2 140.2 210.4

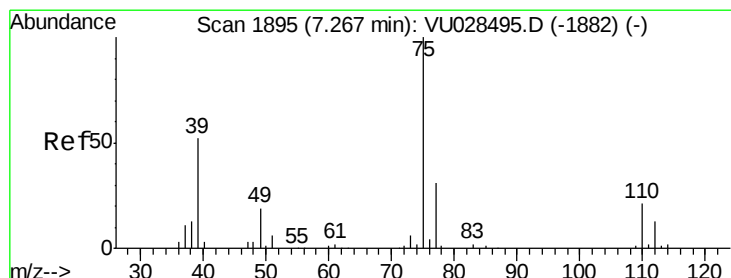
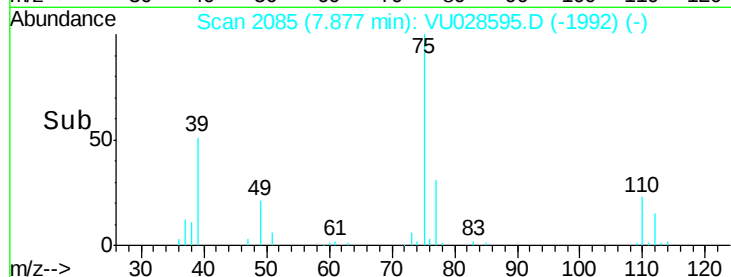
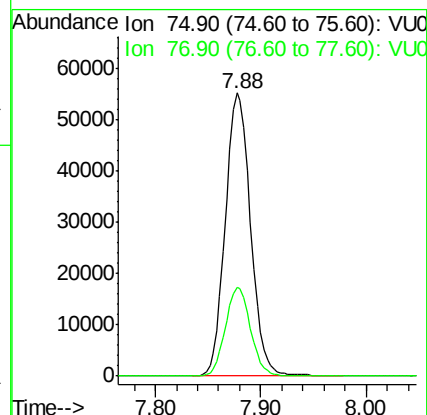
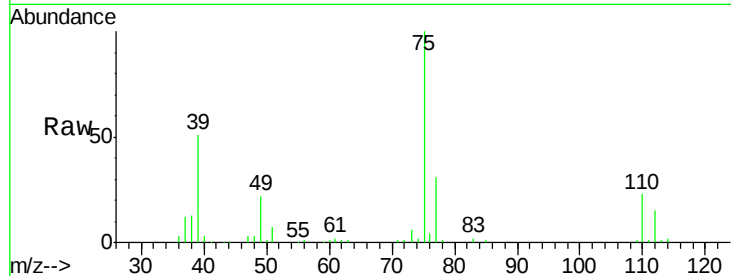




#53
 t-1,3-Dichloropropene
 Concen: 48.292 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

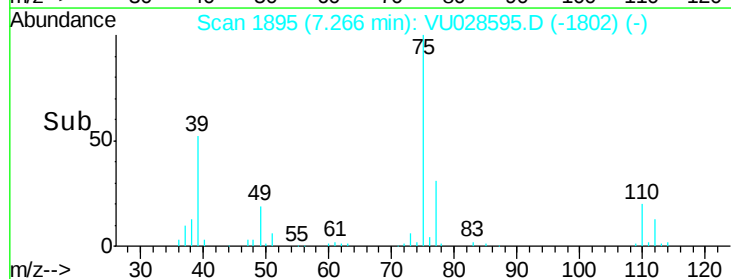
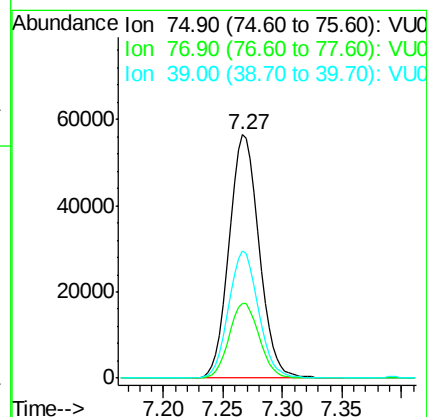
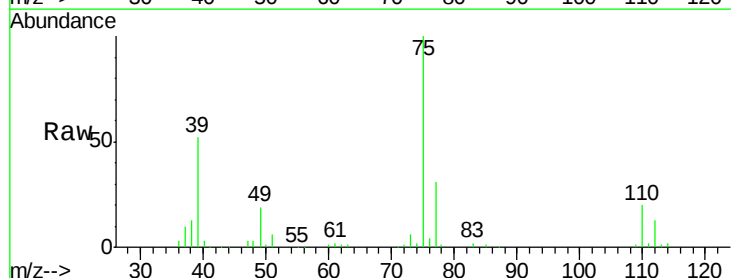
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

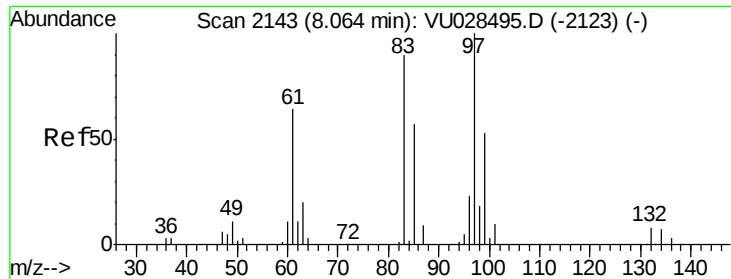
Tot Ion: 75 Resp: 91864
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 47.975 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 75 Resp: 99012
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.4
 39 52.2 41.3 61.9

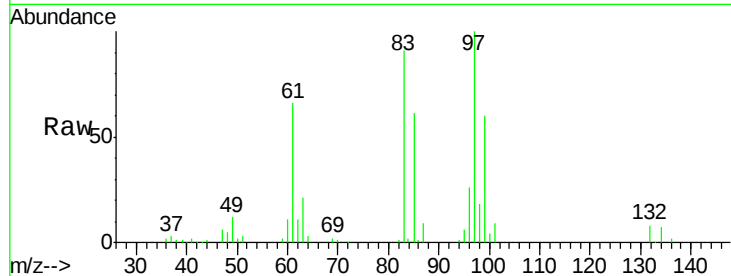




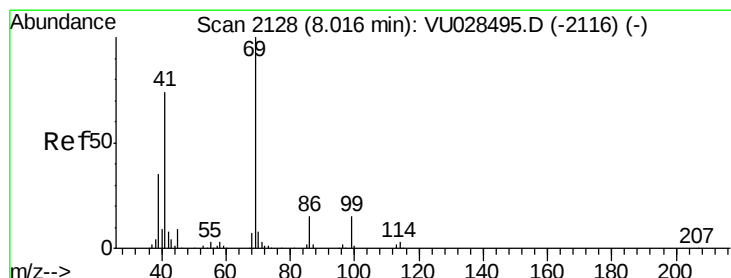
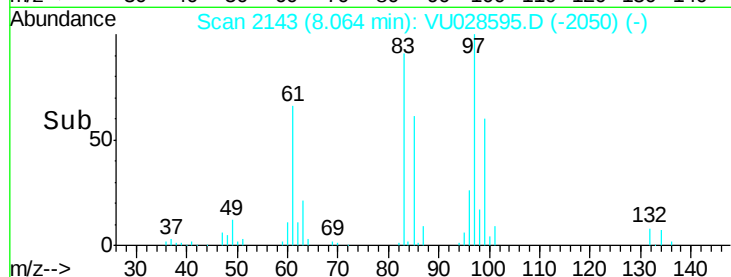
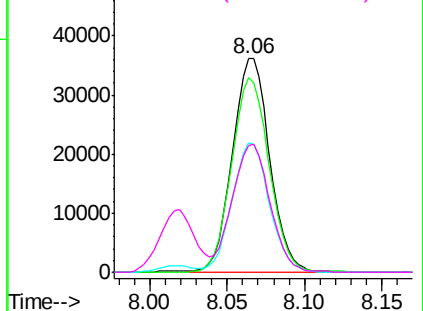
#55
 1,1,2-Trichloroethane
 Concen: 52.919 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion: 97 Resp: 60563
 Ion Ratio Lower Upper
 97 100
 83 91.0 72.4 108.6
 85 60.7 46.0 69.0
 99 59.3 47.4 71.2

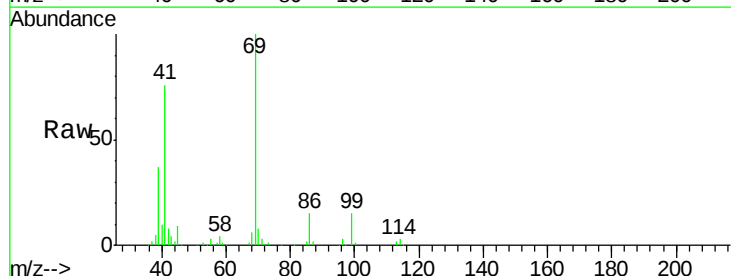


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

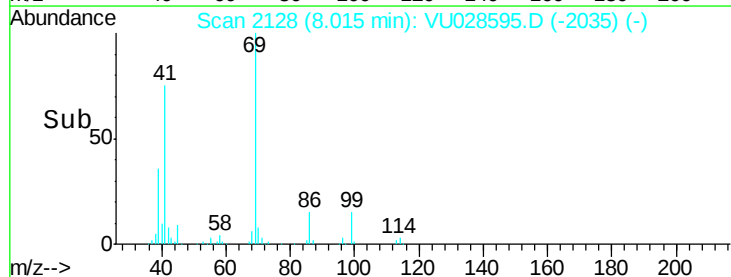
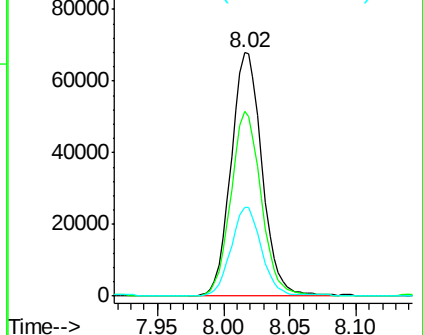


#56
 Ethyl methacrylate
 Concen: 56.388 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 69 Resp: 110509
 Ion Ratio Lower Upper
 69 100
 41 74.7 59.1 88.7
 39 35.9 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: 51.941 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

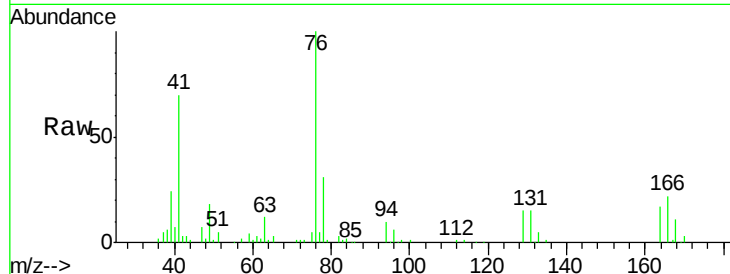
P001-SW004-01MSD

Tot Ion: 76 Resp: 110344

Ion Ratio Lower Upper

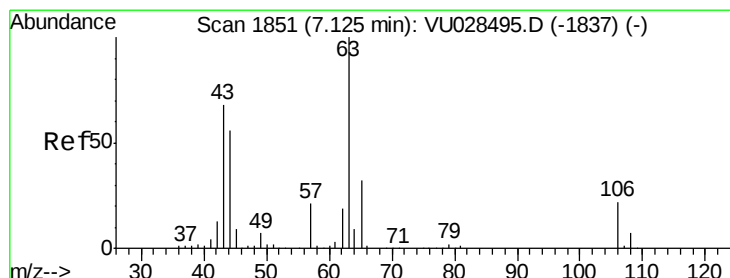
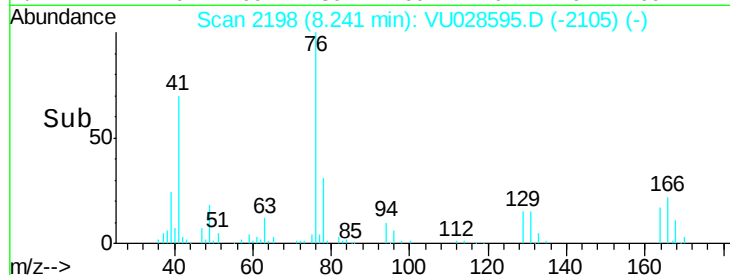
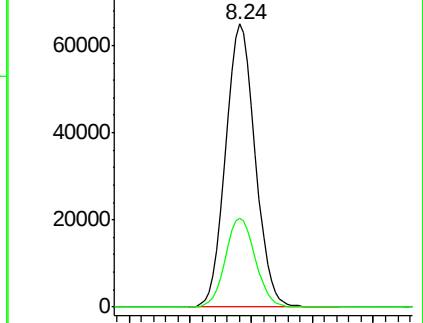
76 100

78 31.7 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: 0.443 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.14 min

Lab File: VU028595.D

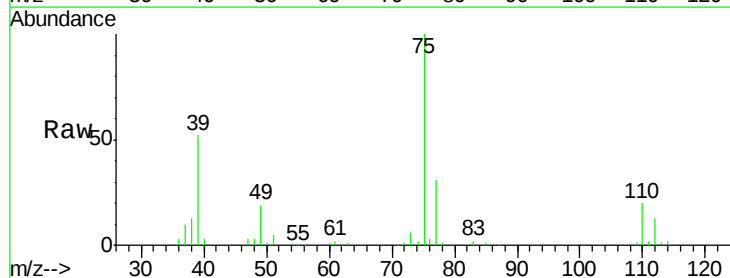
Acq: 11 Dec 2018 09:42

Tgt Ion: 63 Resp: 445

Ion Ratio Lower Upper

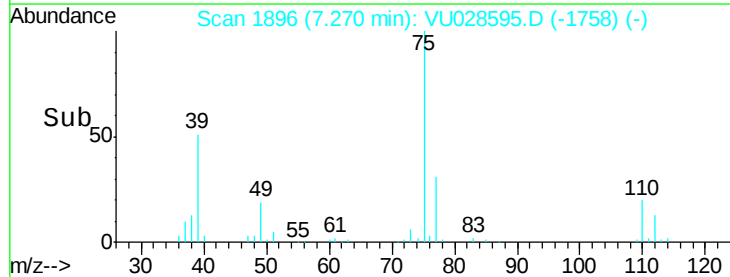
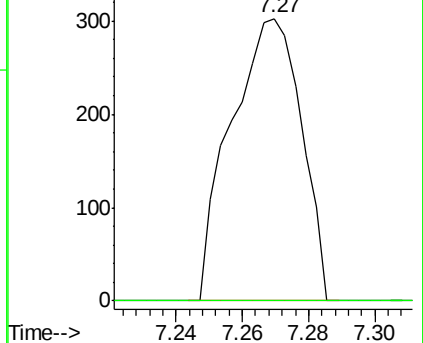
63 100

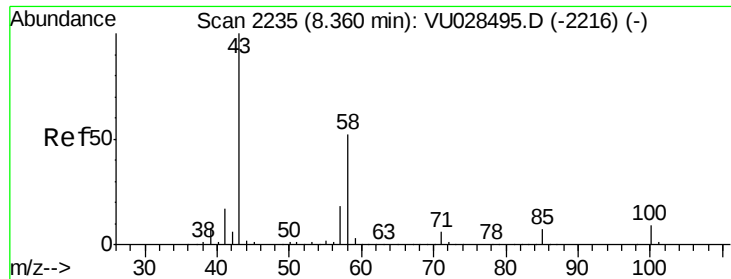
106 0.0 17.8 26.6#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

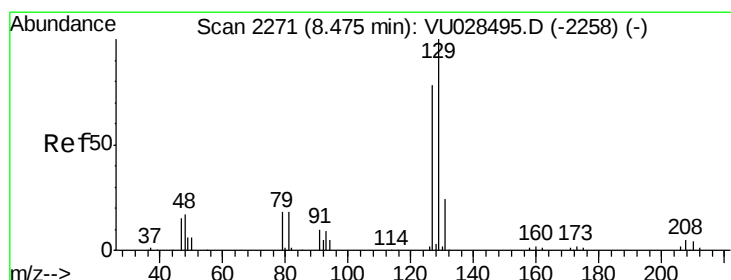
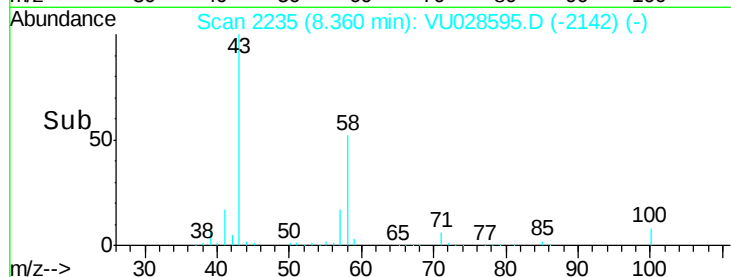
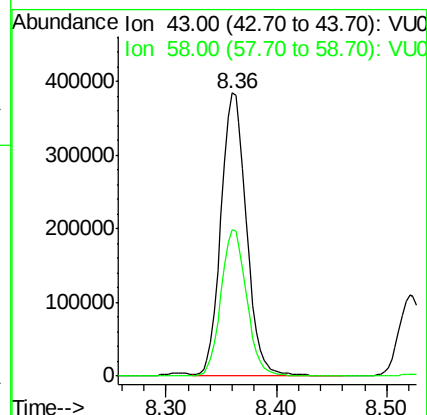
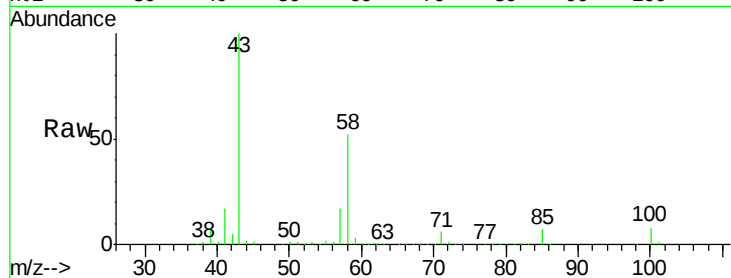




#59
2-Hexanone
Concen: 358.468 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

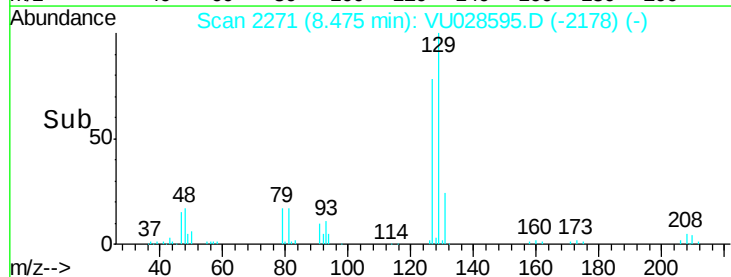
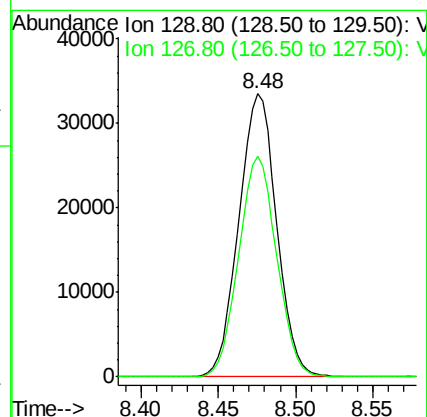
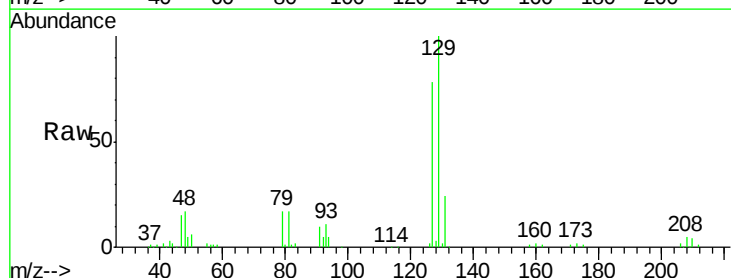
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

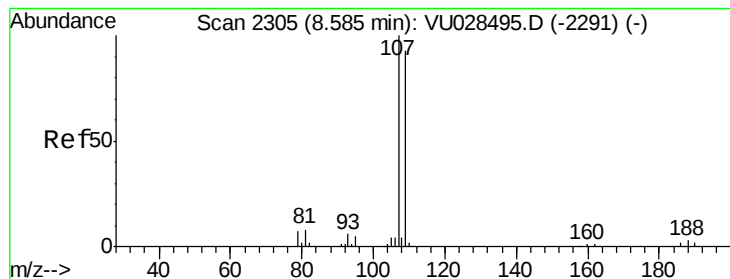
Tot Ion: 43 Resp: 612005
Ion Ratio Lower Upper
43 100
58 52.3 25.9 77.6



#60
Dibromochloromethane
Concen: 50.757 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 129 Resp: 56872
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.466 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

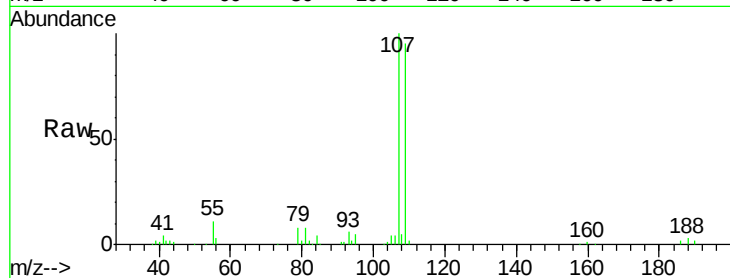
P001-SW004-01MSD

Tot Ion: 107 Resp: 64166

Ion Ratio Lower Upper

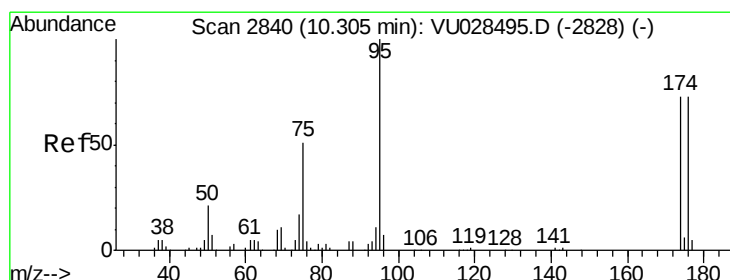
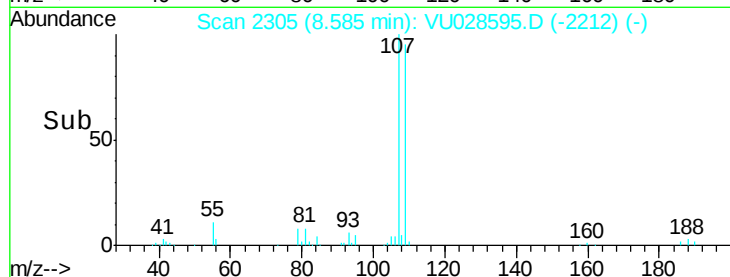
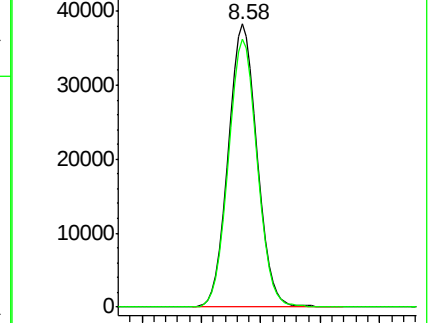
107 100

109 94.6 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: 52.156 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

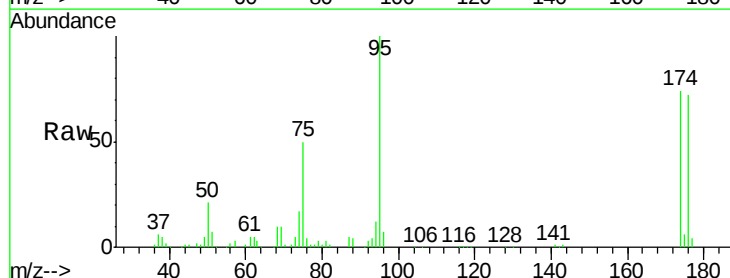
Tgt Ion: 95 Resp: 74073

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.4

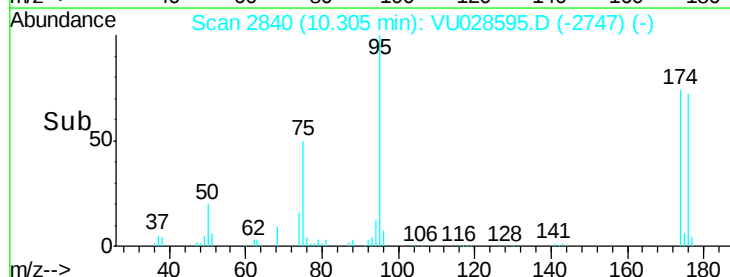
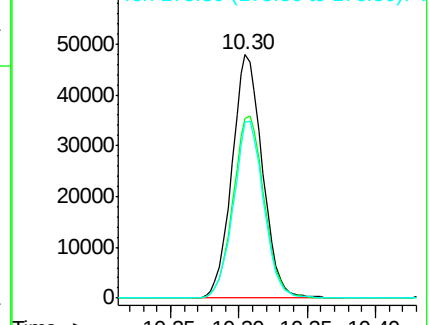
176 72.3 0.0 145.2

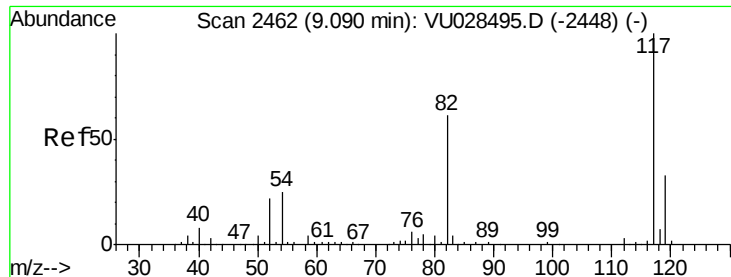


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

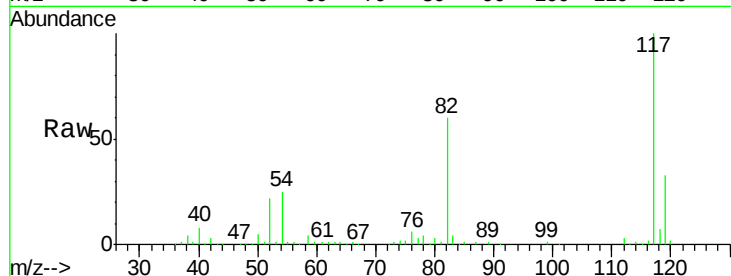




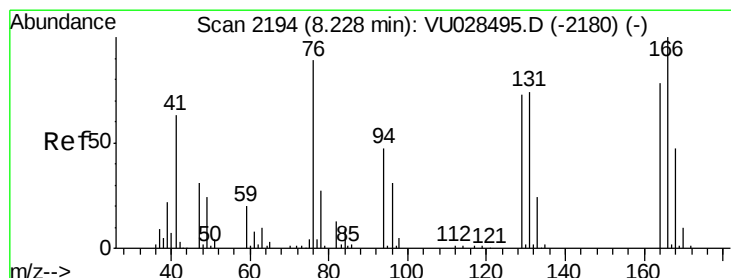
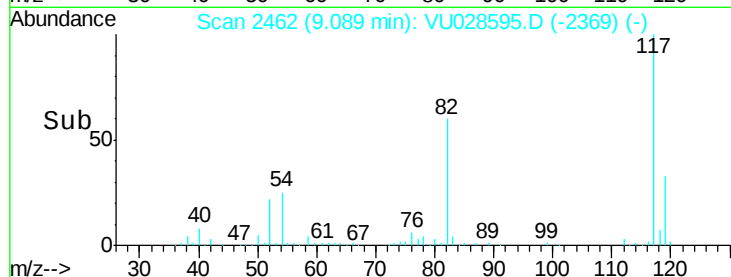
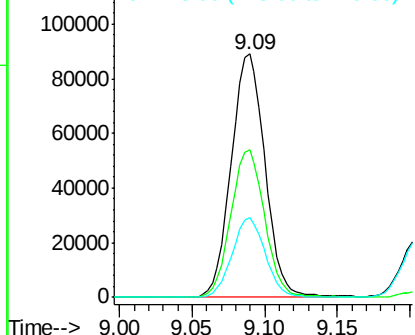
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion:117 Resp: 144284
Ion Ratio Lower Upper
117 100
82 60.4 48.9 73.3
119 32.6 26.2 39.4



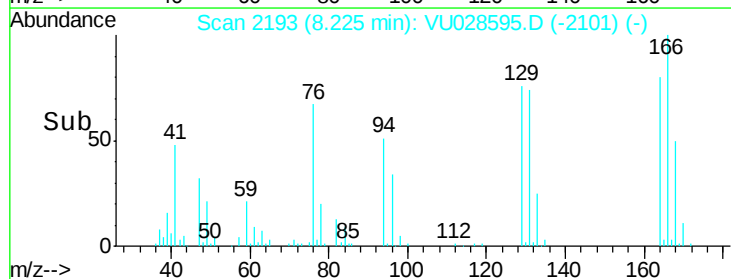
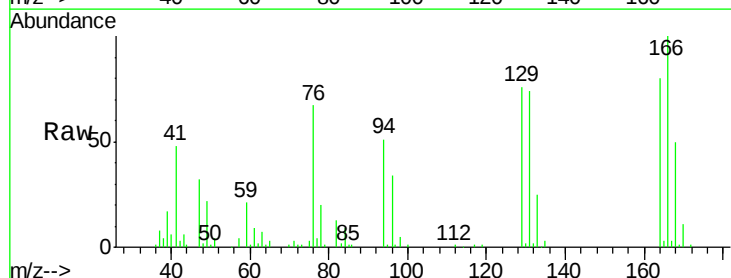
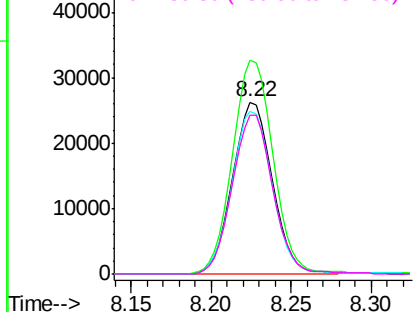
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

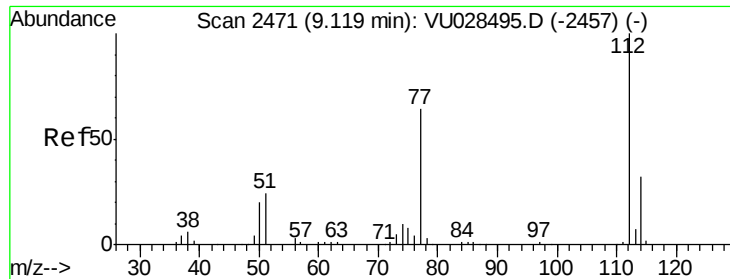


#64
Tetrachloroethene
Concen: 46.080 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion:164 Resp: 44348
Ion Ratio Lower Upper
164 100
166 124.4 101.9 152.9
129 95.0 74.9 112.3
131 92.1 75.4 113.0

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

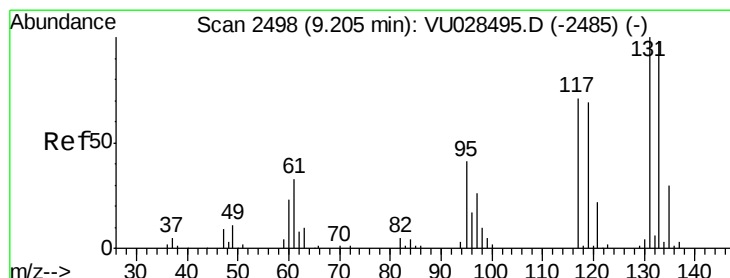
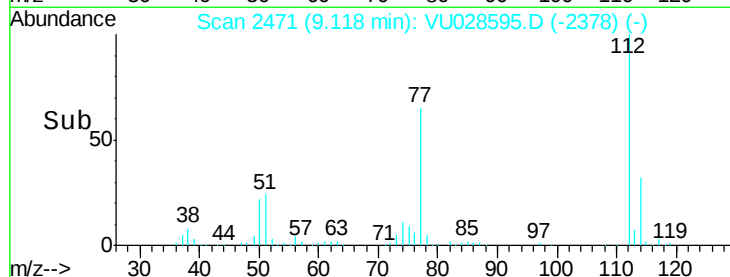
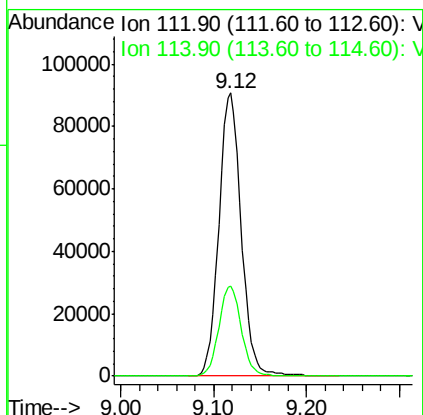
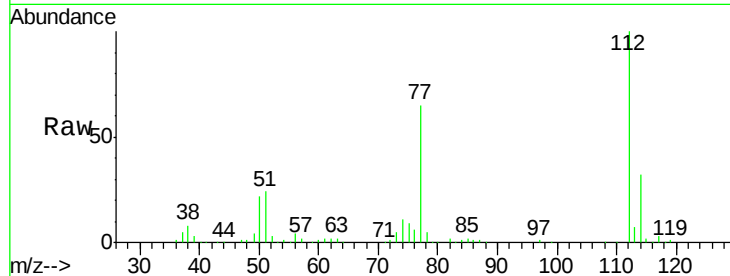




#65
Chlorobenzene
Concen: 49.261 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

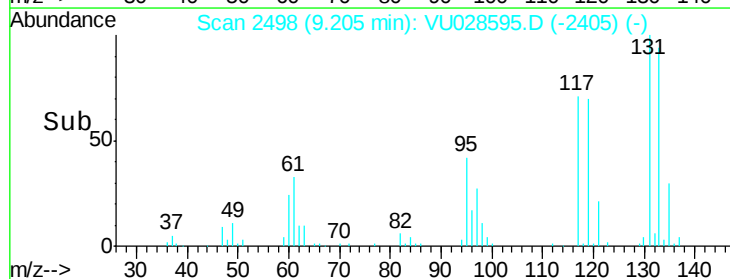
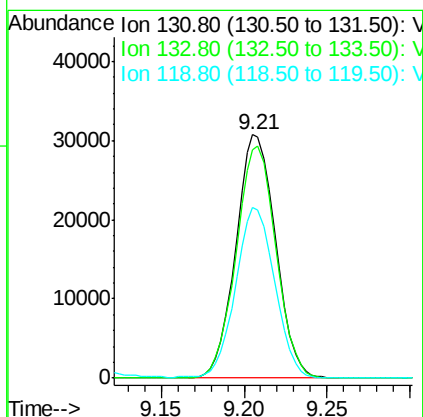
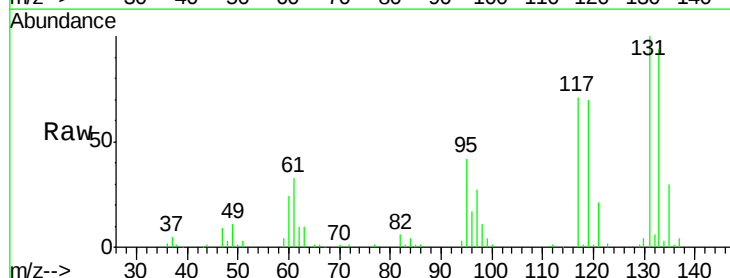
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

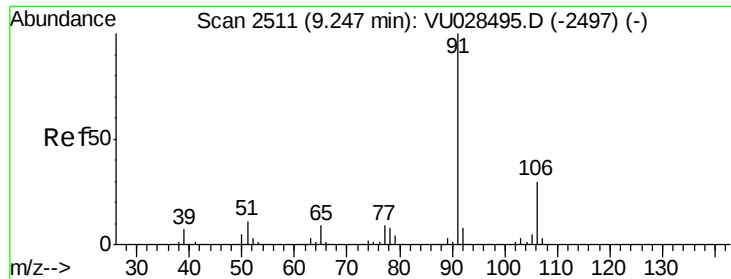
Tot Ion:112 Resp: 151454
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.170 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion:131 Resp: 51221
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 69.1 34.6 103.9

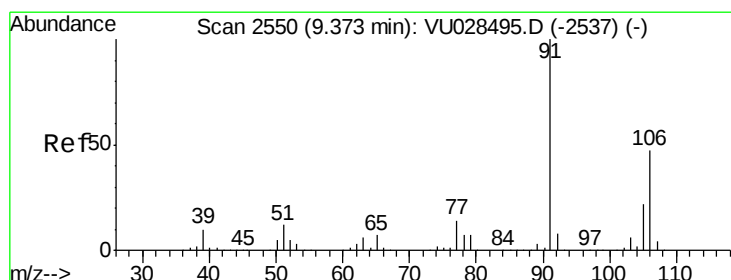
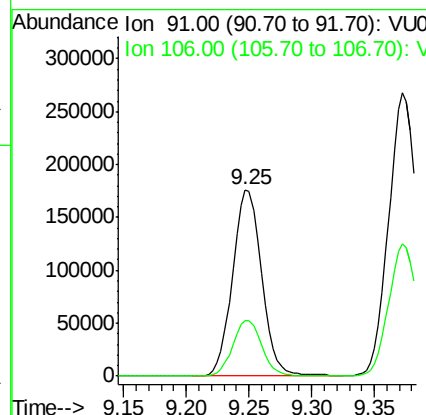
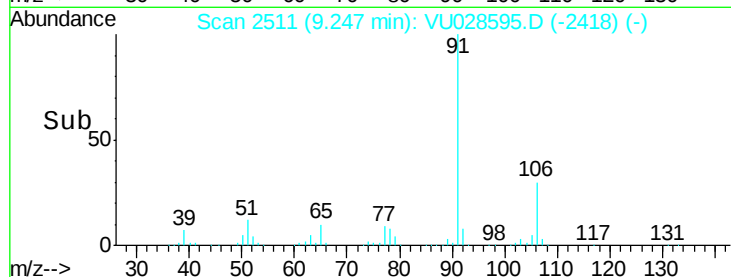
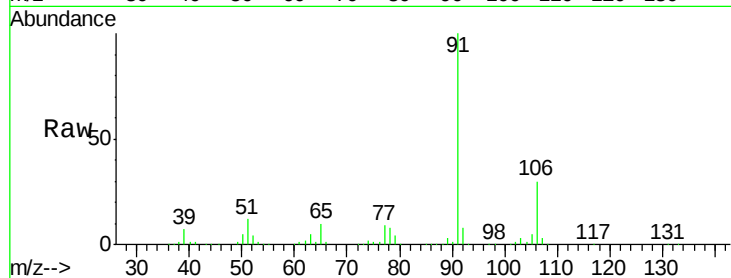




#67
Ethyl Benzene
Concen: 50.399 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

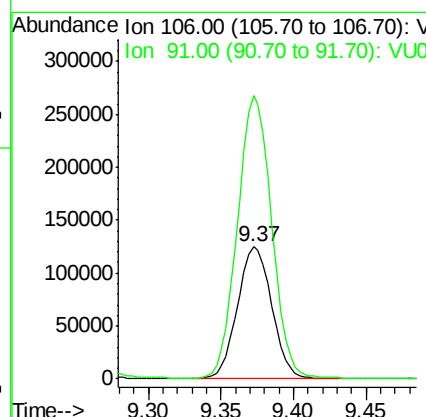
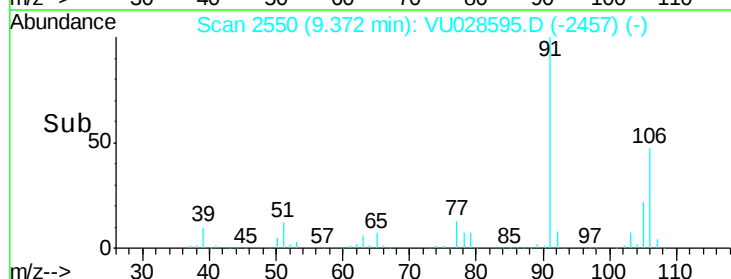
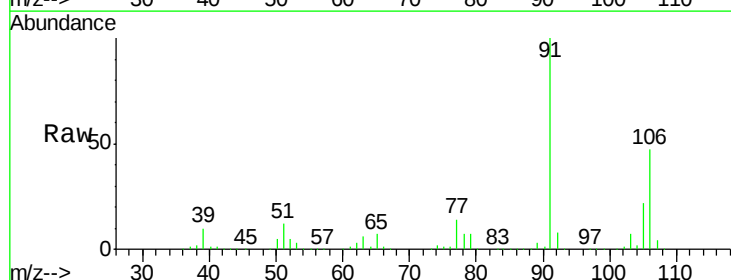
Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion: 91 Resp: 284853
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 99.809 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion: 106 Resp: 205269
Ion Ratio Lower Upper
106 100
91 215.1 167.4 251.0

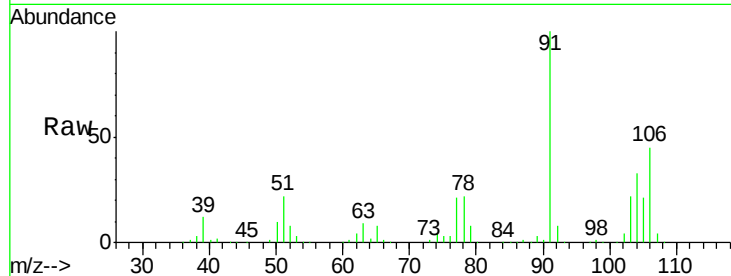




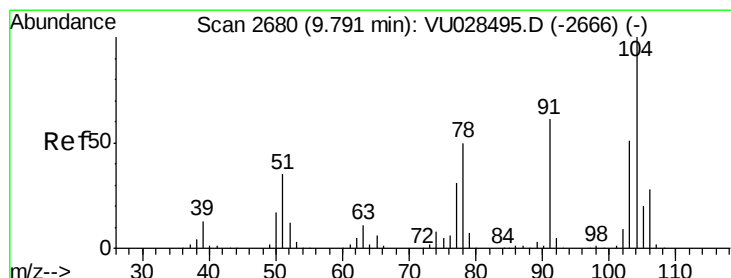
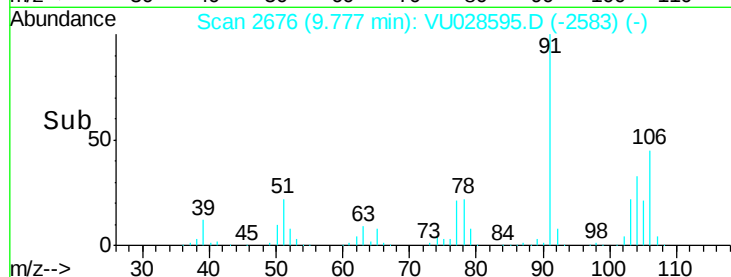
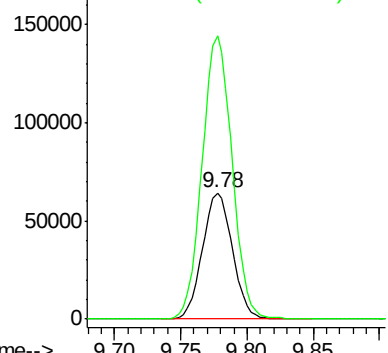
#69
o-Xylene
Concen: 50.497 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion:106 Resp: 100925
Ion Ratio Lower Upper
106 100
91 224.7 111.3 334.0

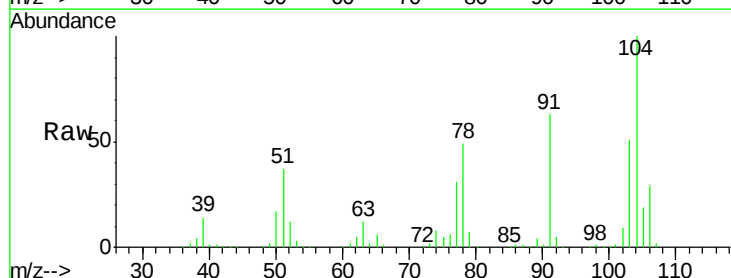


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

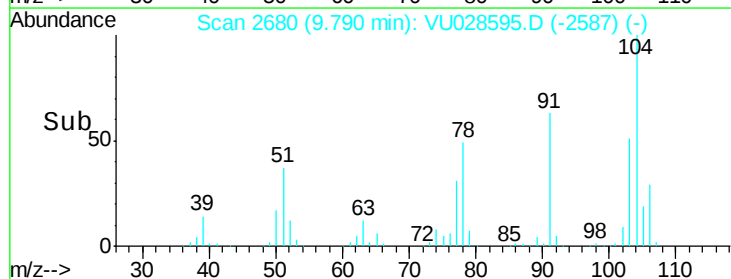
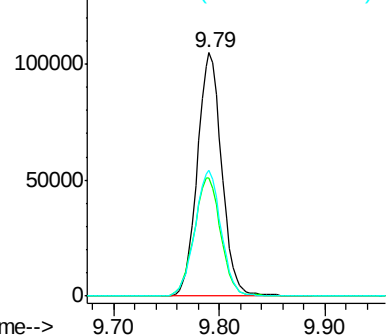


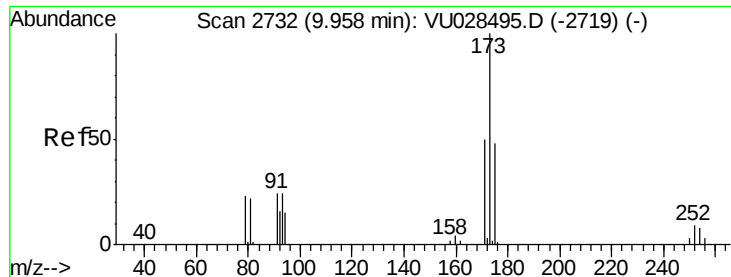
#70
Styrene
Concen: 50.720 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion:104 Resp: 167759
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 55.3 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: 54.401 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

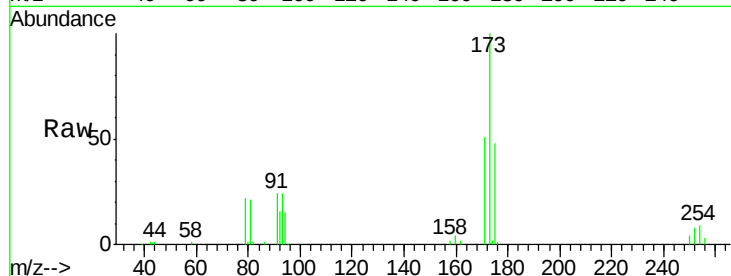
Tot Ion:173 Resp: 45436

Ion Ratio Lower Upper

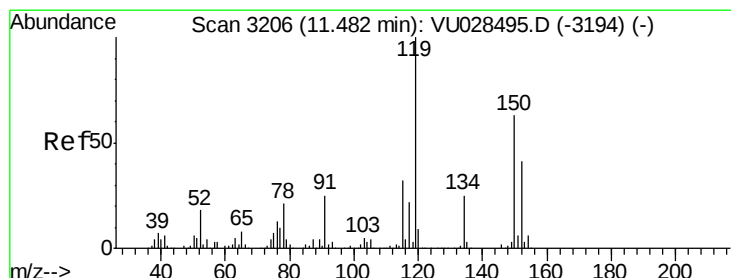
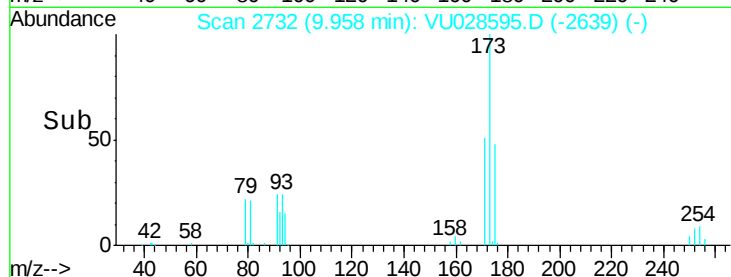
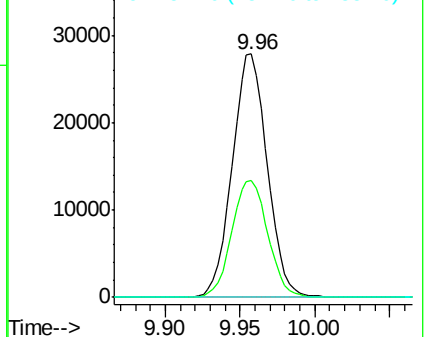
173 100

175 49.1 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: VU028595.D

Acq: 11 Dec 2018 09:42

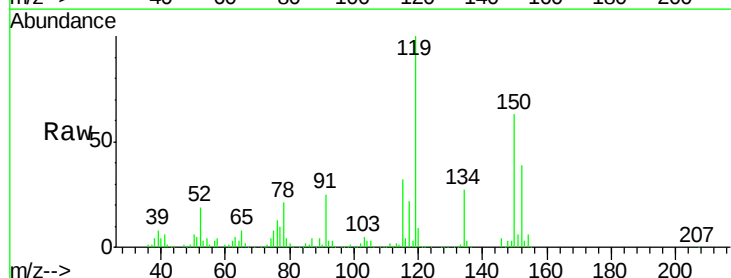
Tgt Ion:152 Resp: 69226

Ion Ratio Lower Upper

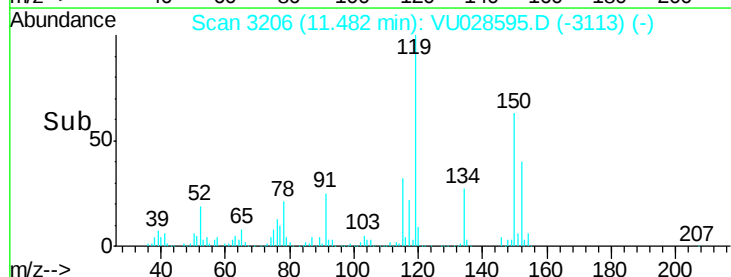
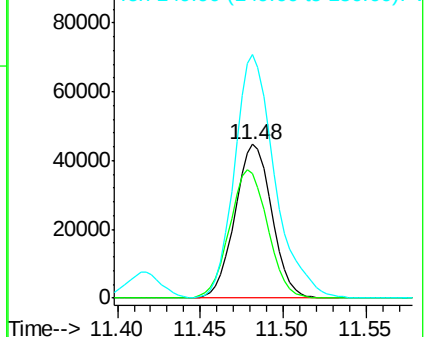
152 100

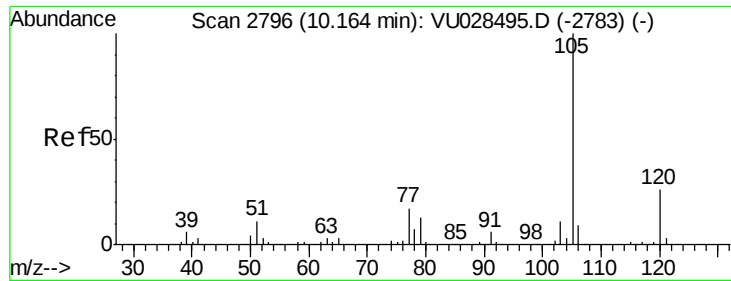
115 86.1 42.7 128.1

150 173.2 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: 49.904 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

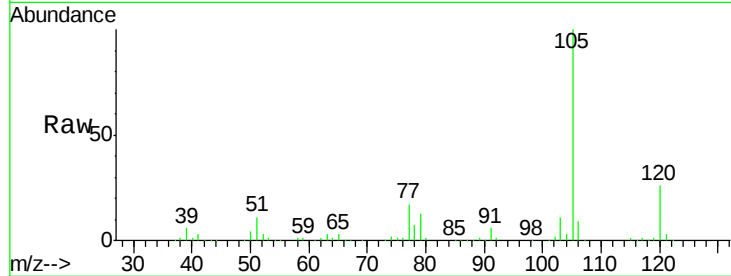
P001-SW004-01MSD

Tot Ion:105 Resp: 265086

Ion Ratio Lower Upper

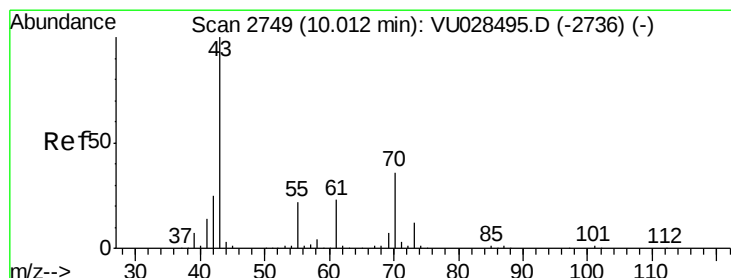
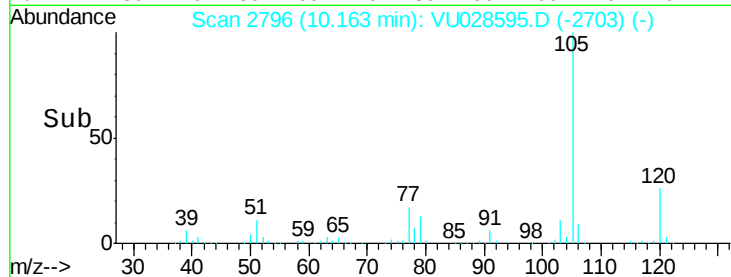
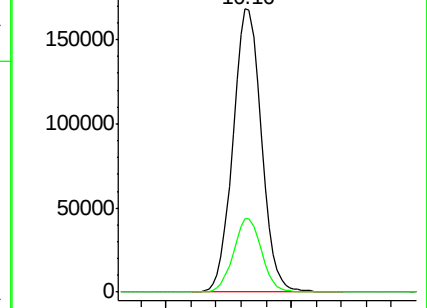
105 100

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: 52.429 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Tgt Ion: 43 Resp: 160647

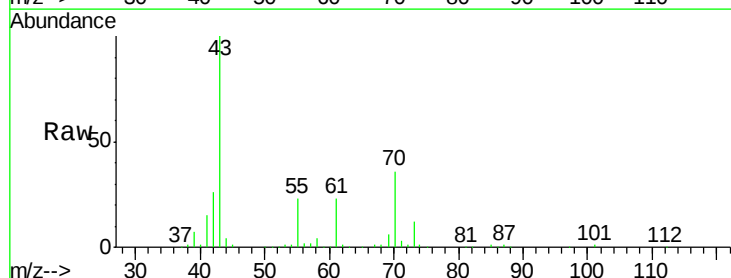
Ion Ratio Lower Upper

43 100

70 36.3 29.3 43.9

55 22.8 18.0 27.0

61 22.6 18.3 27.5

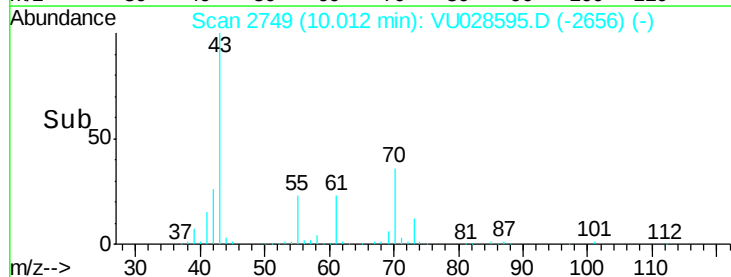
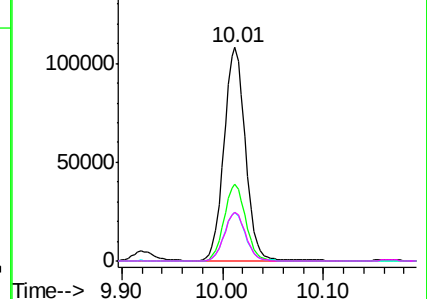


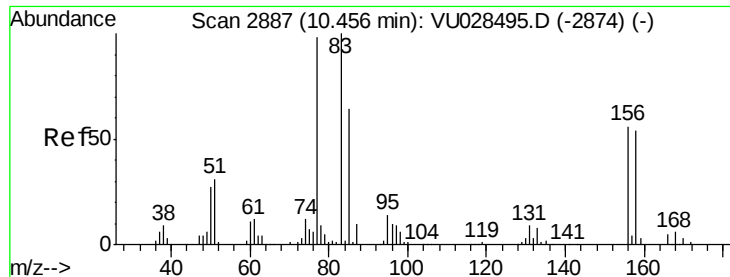
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 58.690 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

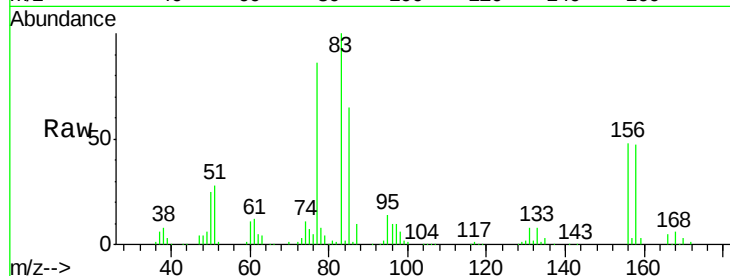
Tot Ion: 83 Resp: 119760

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

85 64.0 31.8 95.4

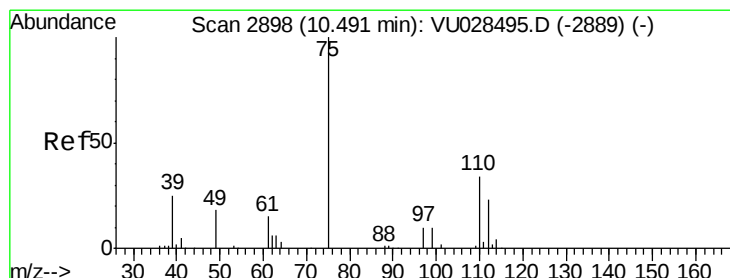
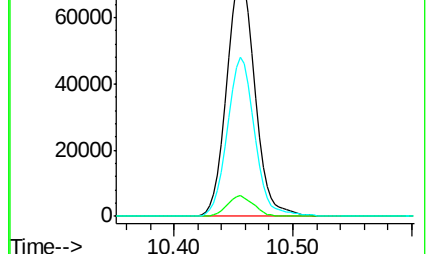
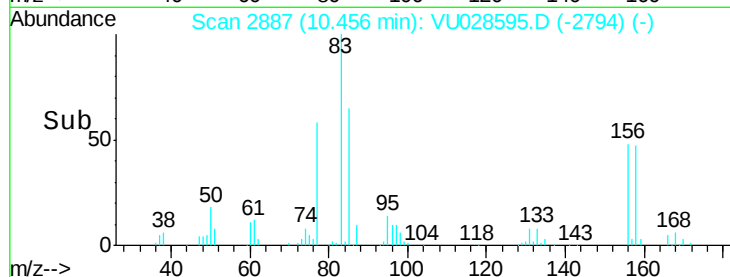


Abundance Ion 82.90 (82.60 to 83.60): VU028595.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028595.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028595.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 80.519 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028595.D

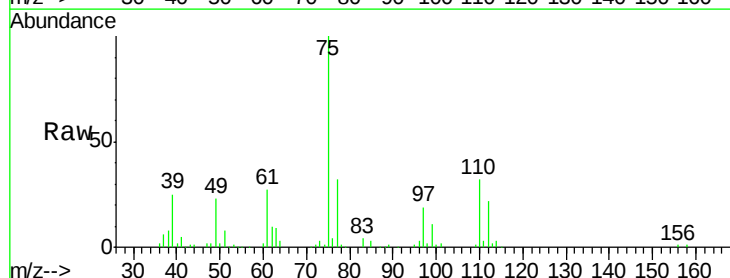
Acq: 11 Dec 2018 09:42

Tgt Ion: 75 Resp: 142334

Ion Ratio Lower Upper

75 100

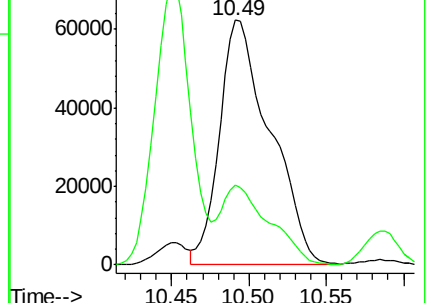
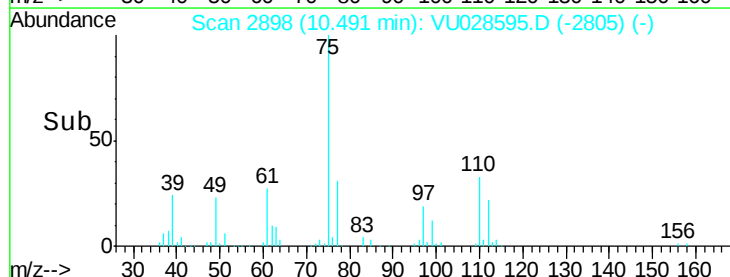
77 29.7 20.8 62.4

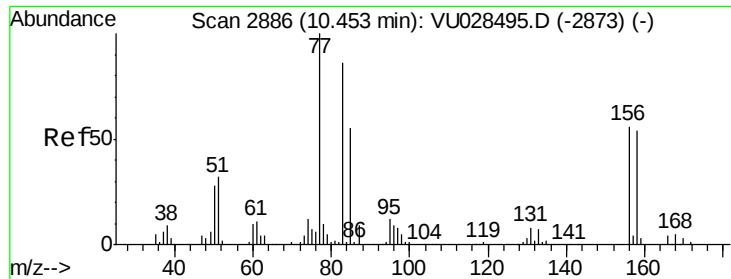


Abundance Ion 74.90 (74.60 to 75.60): VU028595.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028595.D (-2805) (-)

Time-->





#77

Bromobenzene

Concen: 50.733 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

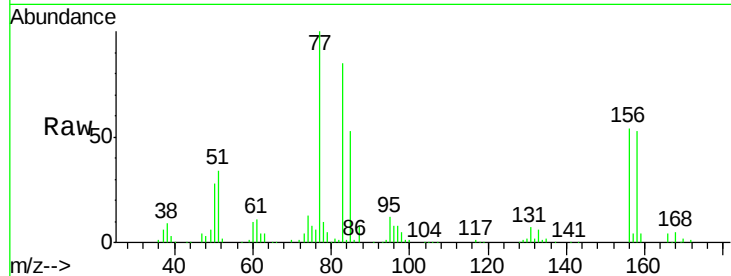
Tot Ion:156 Resp: 63027

Ion Ratio Lower Upper

156 100

77 184.7 92.4 277.2

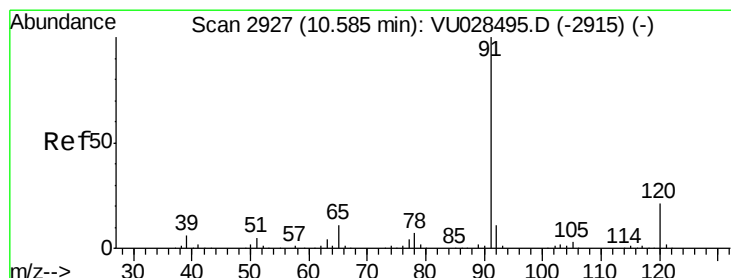
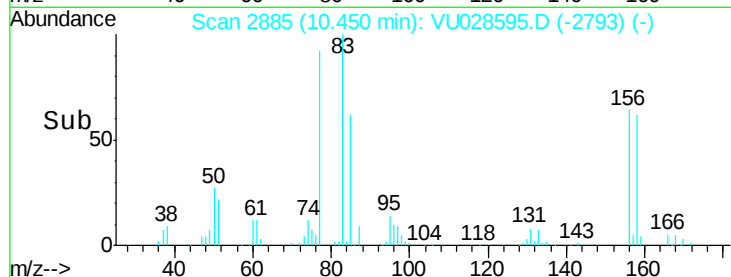
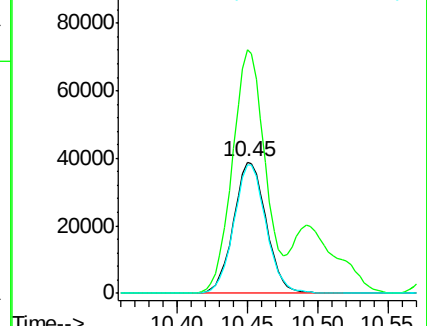
158 96.7 48.4 145.3



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: 49.729 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028595.D

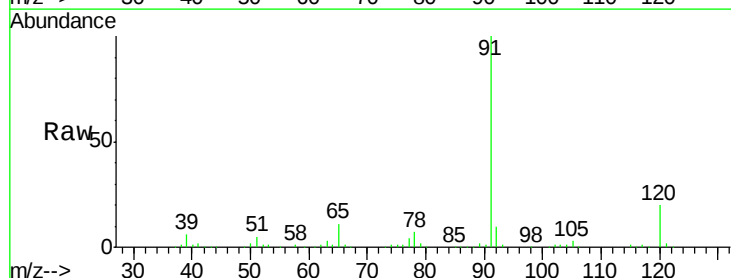
Acq: 11 Dec 2018 09:42

Tgt Ion: 91 Resp: 328239

Ion Ratio Lower Upper

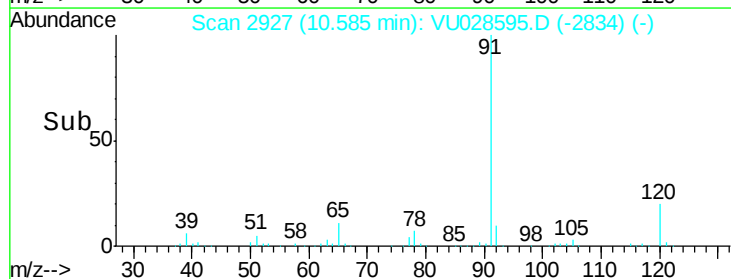
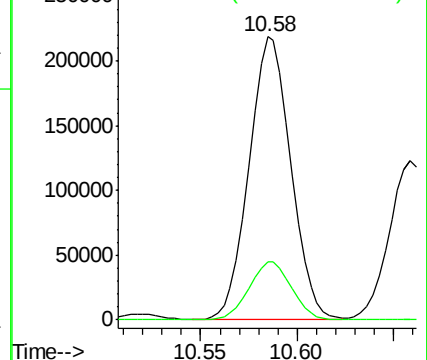
91 100

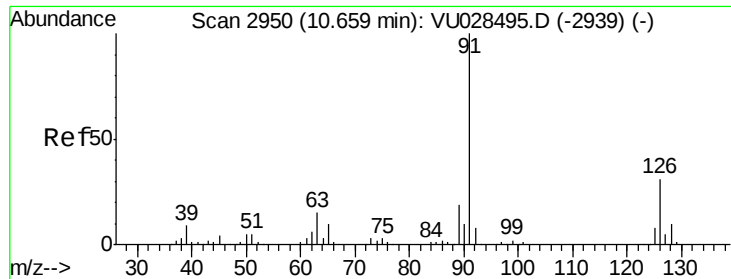
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

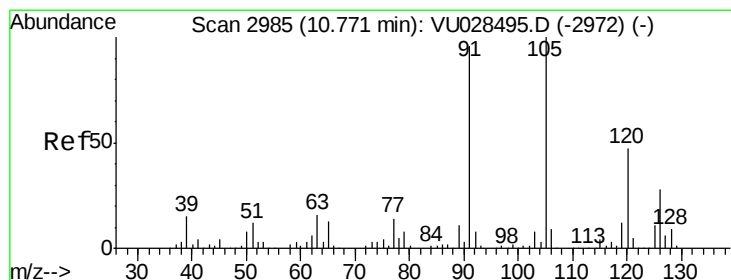
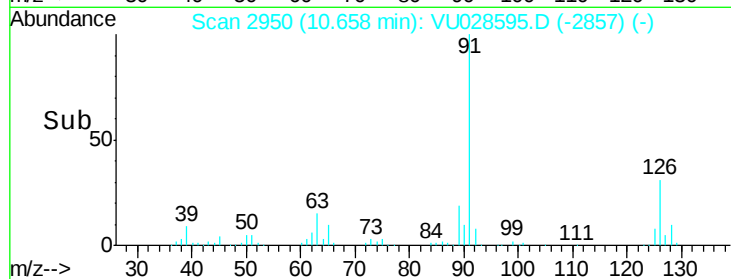
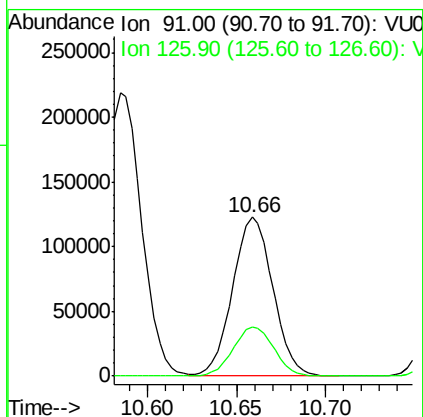
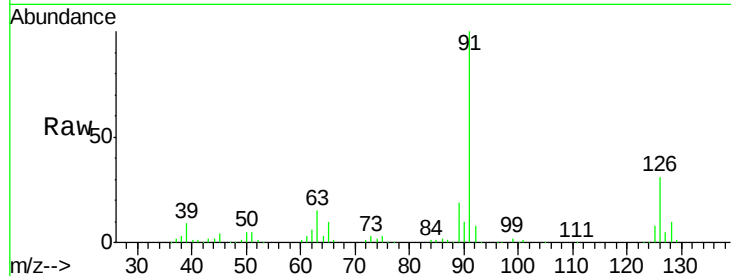




#79
 2-Chlorotoluene
 Concen: 50.372 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

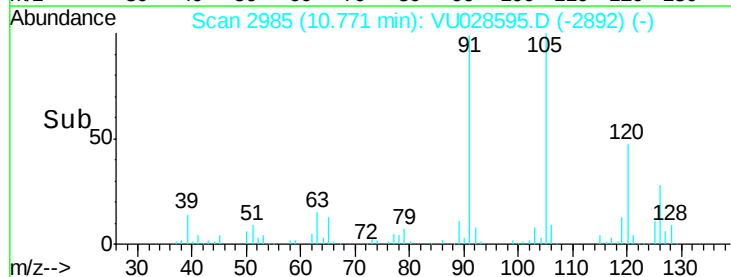
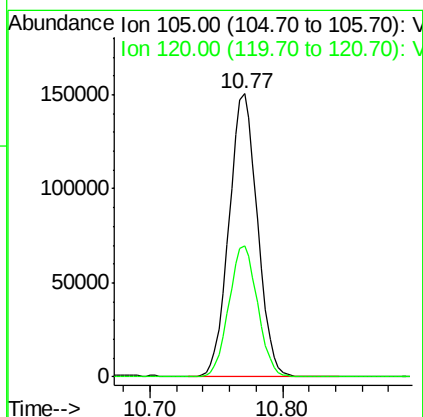
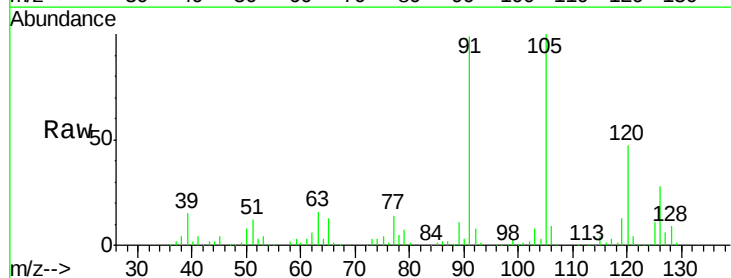
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

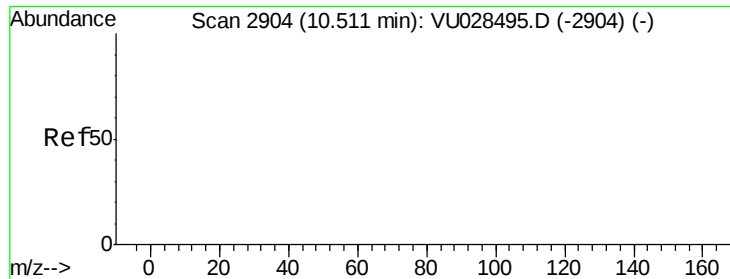
Tot Ion: 91 Resp: 191518
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.920 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 105 Resp: 223901
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 196.421 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

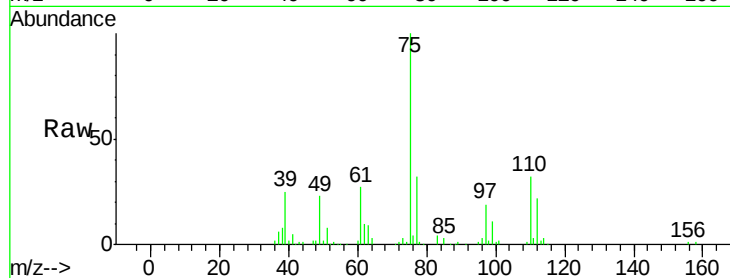
Tot Ion: 75 Resp: 142334

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

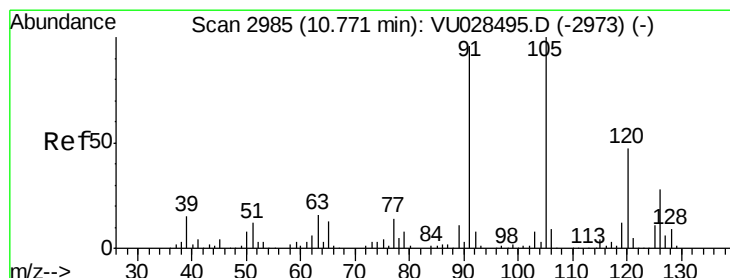
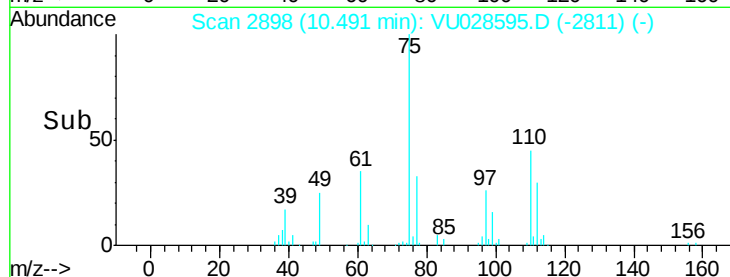
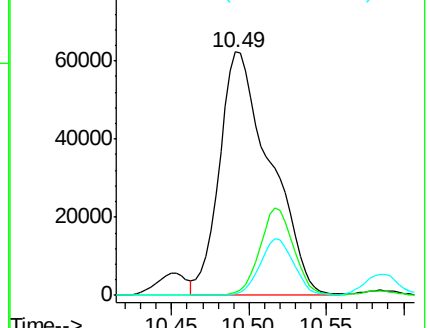
89 0.0 0.0 0.0



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: 49.415 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028595.D

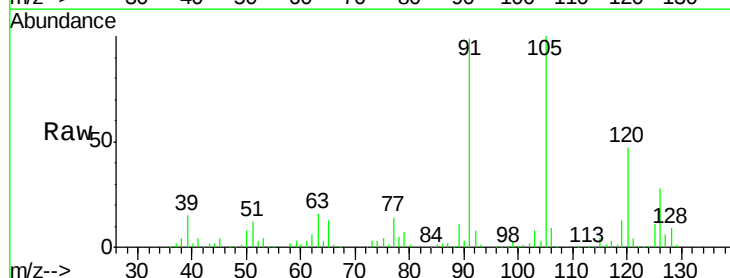
Acq: 11 Dec 2018 09:42

Tgt Ion: 91 Resp: 222642

Ion Ratio Lower Upper

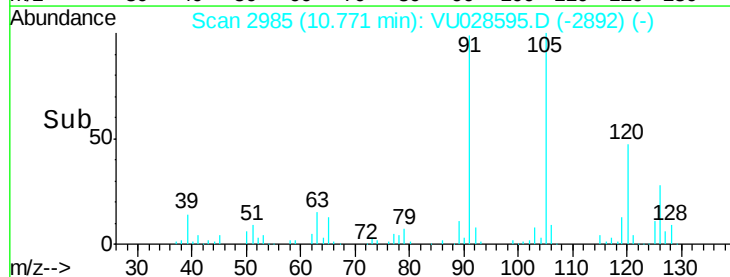
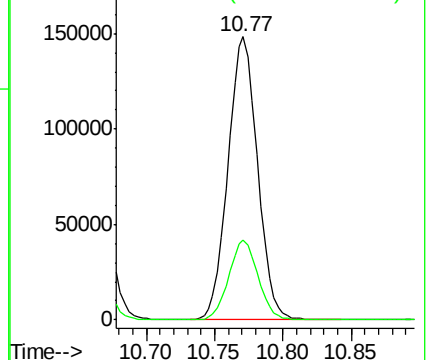
91 100

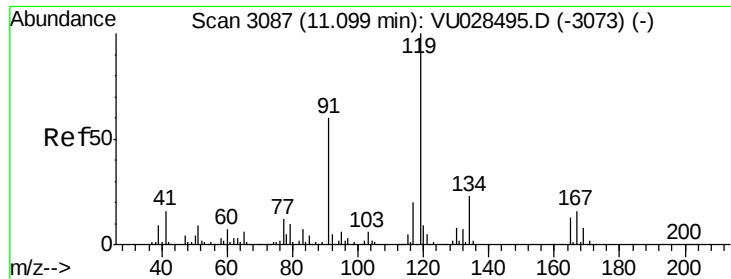
126 28.1 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

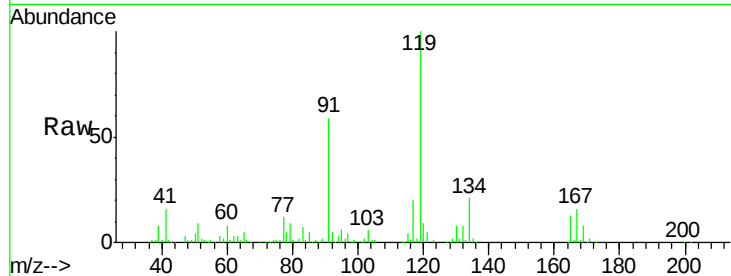




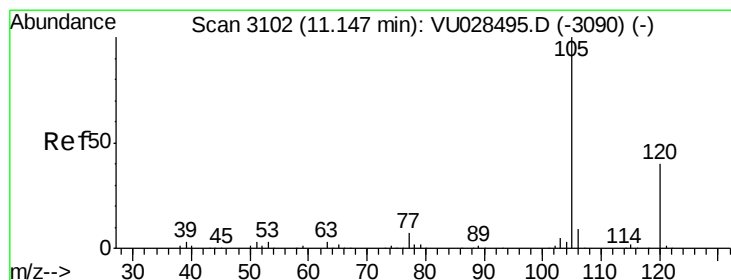
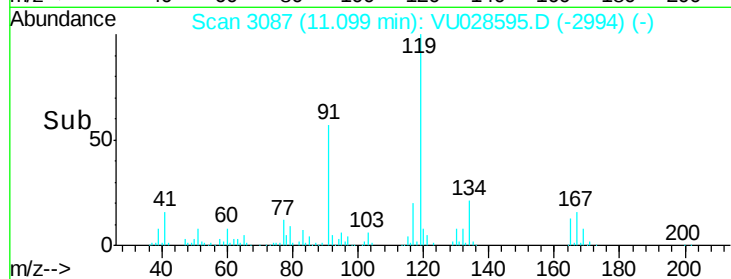
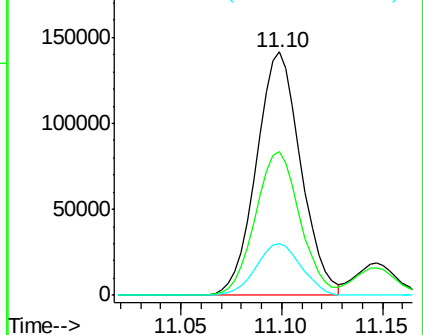
#83
 tert-Butylbenzene
 Concen: 51.308 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion:119 Resp: 217452
 Ion Ratio Lower Upper
 119 100
 91 59.6 30.3 91.0
 134 21.6 11.2 33.5

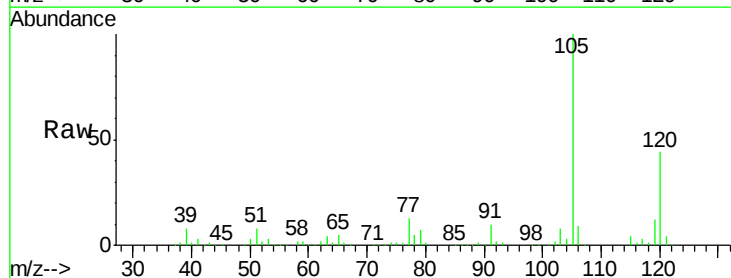


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

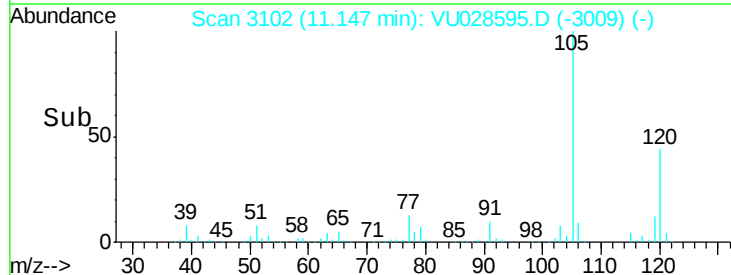
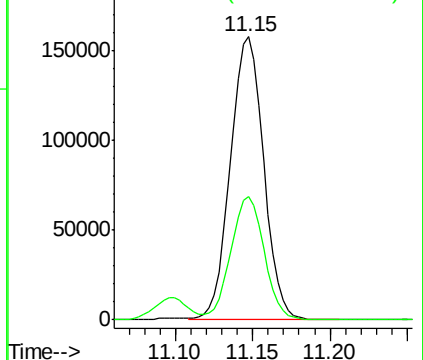


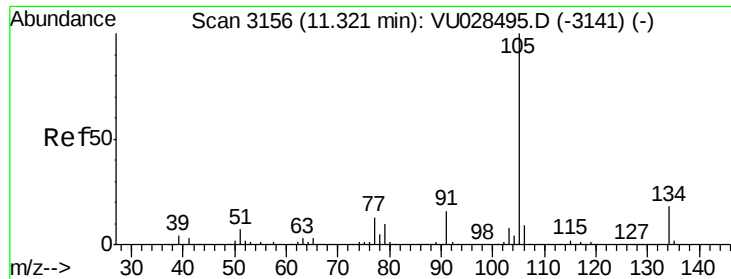
#84
 1,2,4-Trimethylbenzene
 Concen: 51.624 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion:105 Resp: 233936
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.8 65.4



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

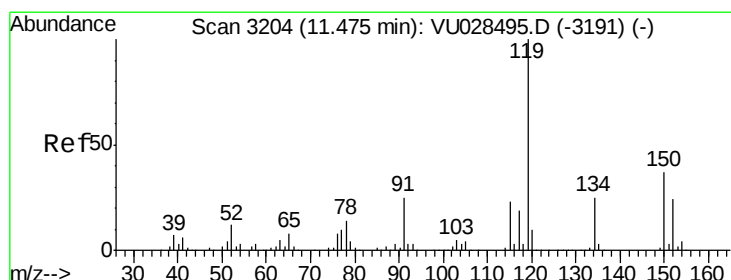
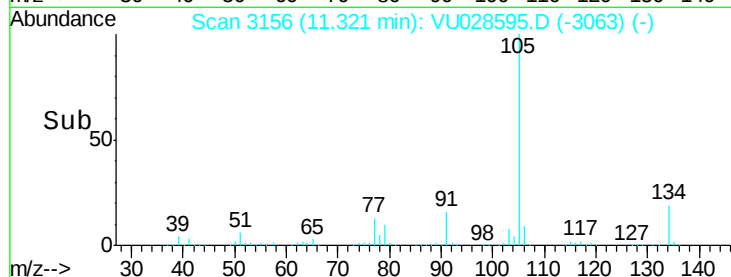
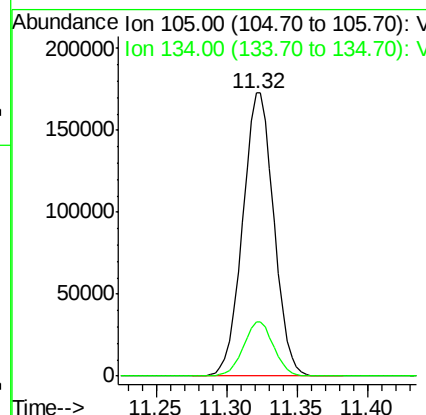
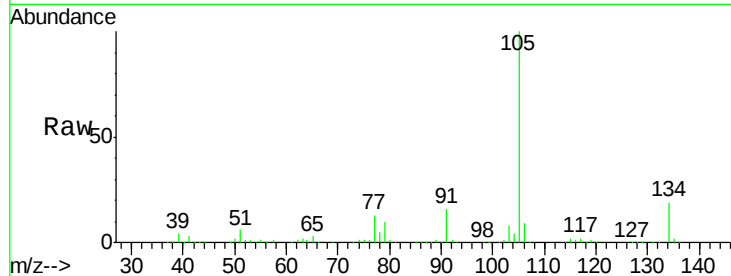




#85
 sec-Butylbenzene
 Concen: 49.169 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

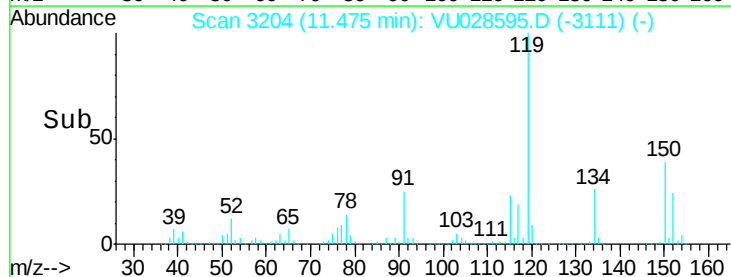
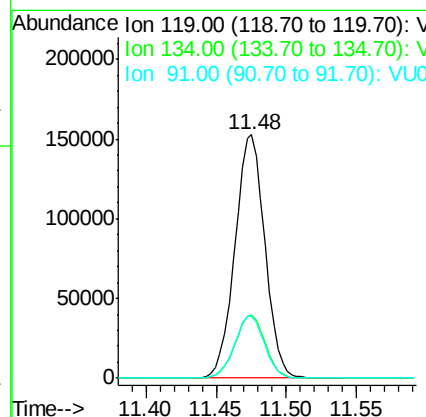
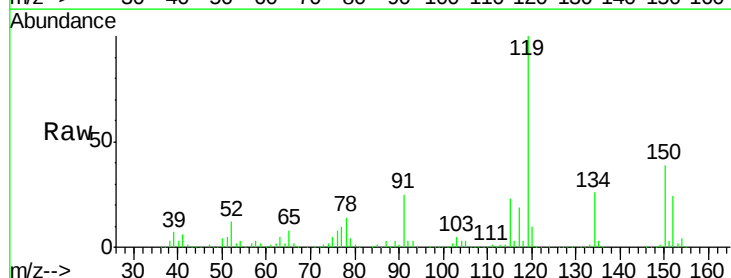
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion:105 Resp: 267707
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 48.919 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion:119 Resp: 226255
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.7 38.1
 91 25.5 12.6 37.6

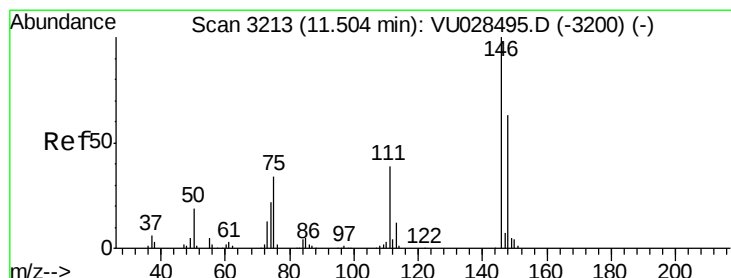
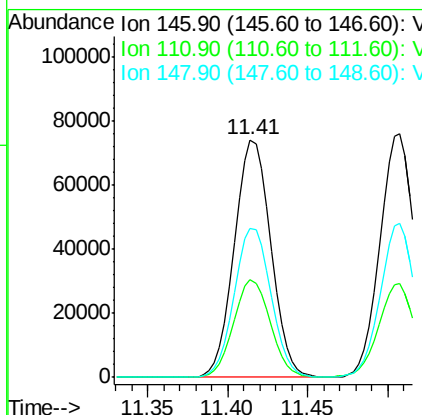
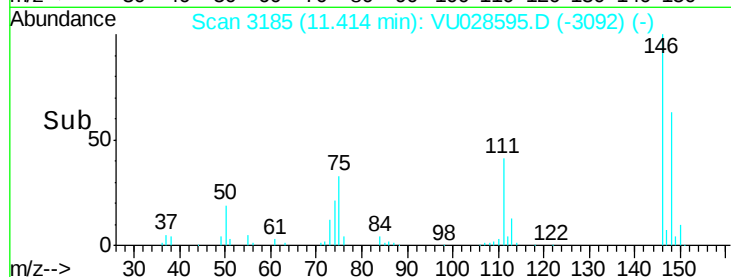
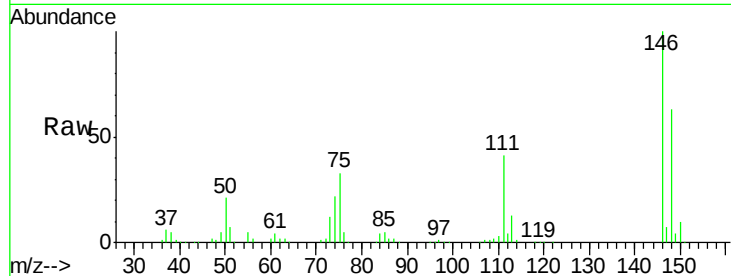




#87
 1,3-Dichlorobenzene
 Concen: 49.131 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

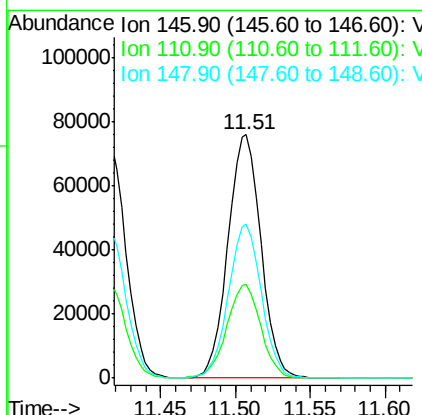
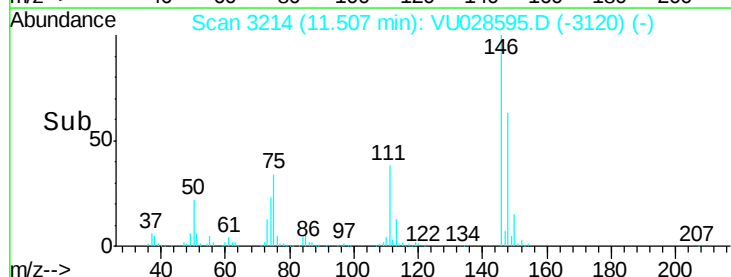
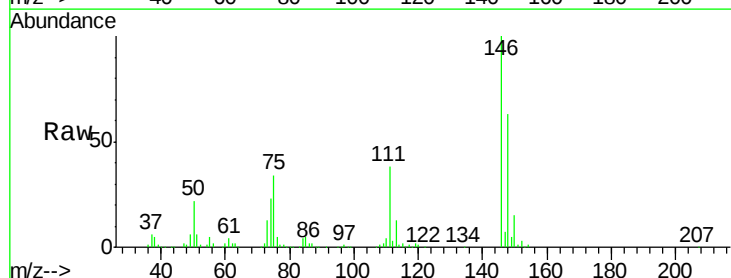
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

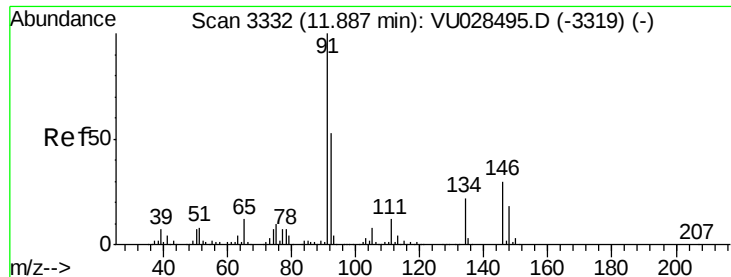
Tot Ion:146 Resp: 115254
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.7 62.1
 148 63.2 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 48.285 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion:146 Resp: 117189
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.2 60.5
 148 63.2 31.6 95.0





#89

n-Butylbenzene

Concen: 47.610 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028595.D

Acq: 11 Dec 2018 09:42

Instrument :

MSVOA_U

ClientSampleId :

P001-SW004-01MSD

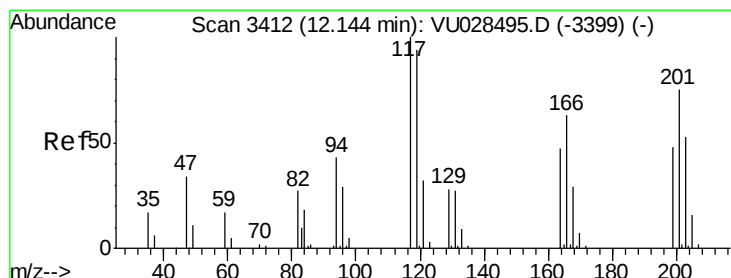
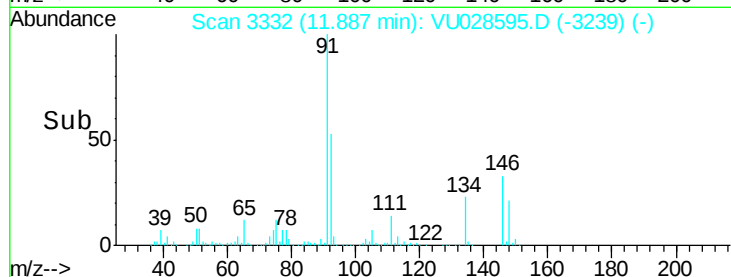
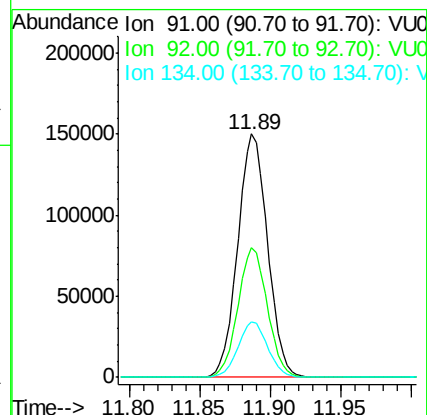
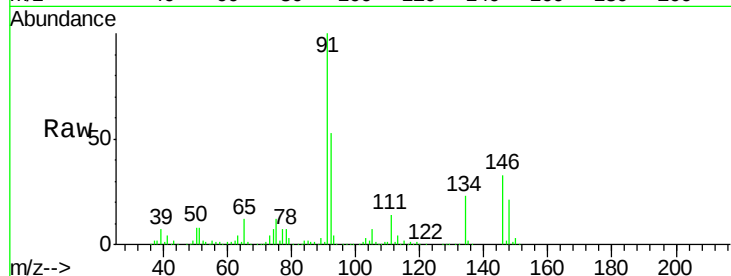
Tot Ion: 91 Resp: 222854

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 22.6 11.3 33.8



#90

Hexachloroethane

Concen: 50.347 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028595.D

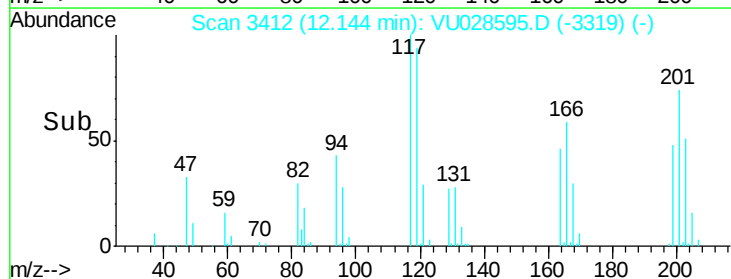
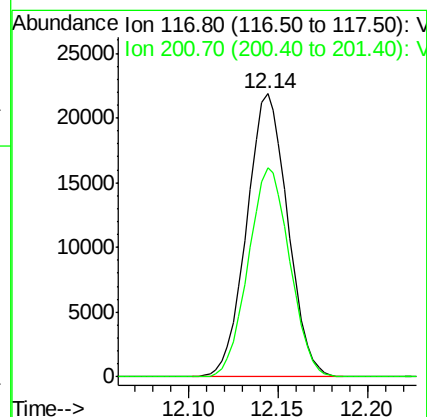
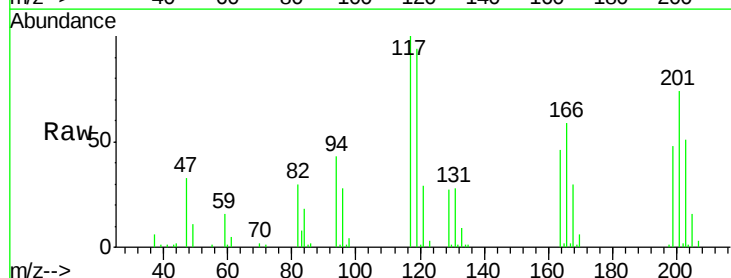
Acq: 11 Dec 2018 09:42

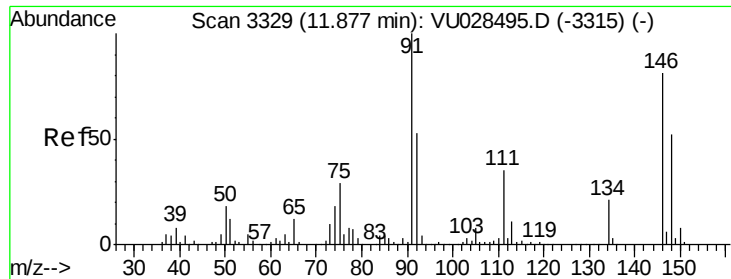
Tgt Ion: 117 Resp: 35196

Ion Ratio Lower Upper

117 100

201 74.5 38.1 114.5

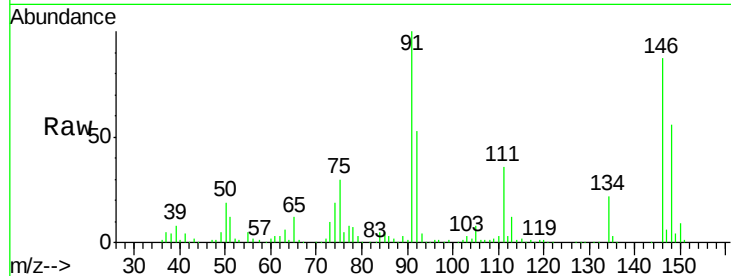




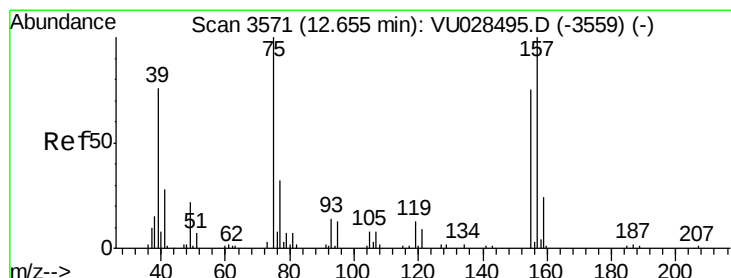
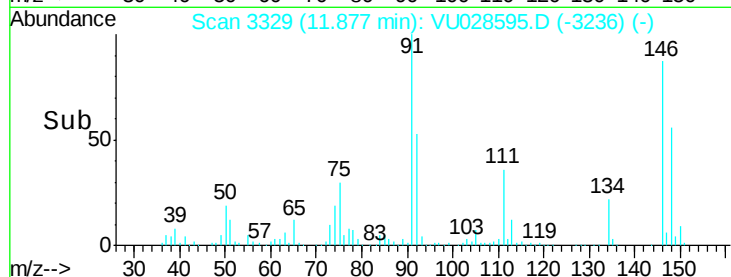
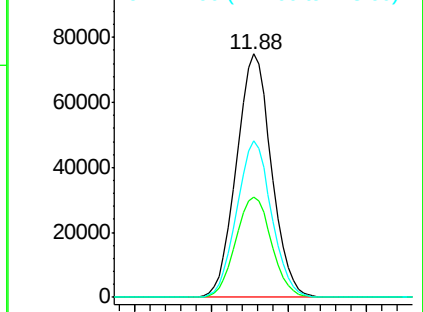
#91
 1,2-Dichlorobenzene
 Concen: 50.225 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Tot Ion:146 Resp: 117854
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.4
 148 63.8 31.4 94.2

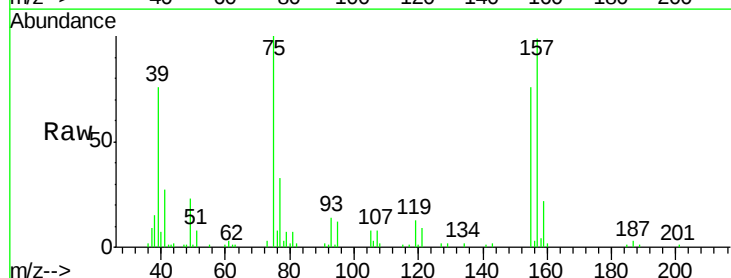


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

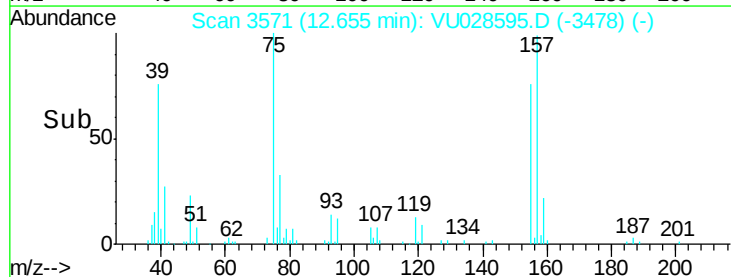
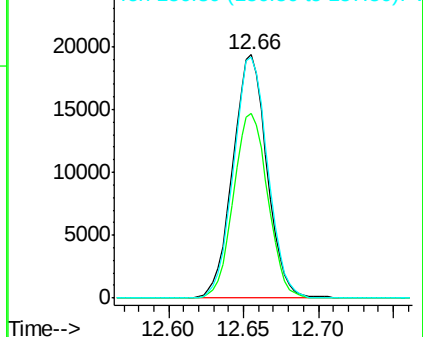


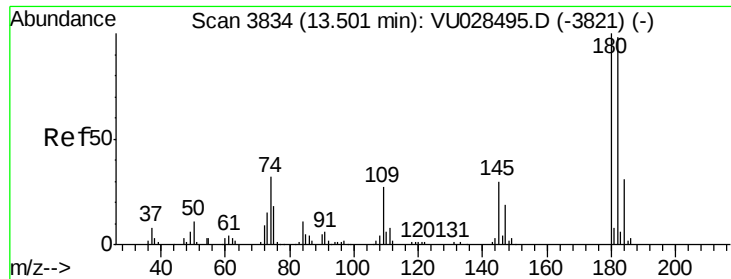
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.628 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion: 75 Resp: 30760
 Ion Ratio Lower Upper
 75 100
 155 75.9 38.1 114.5
 157 99.0 48.7 146.1



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

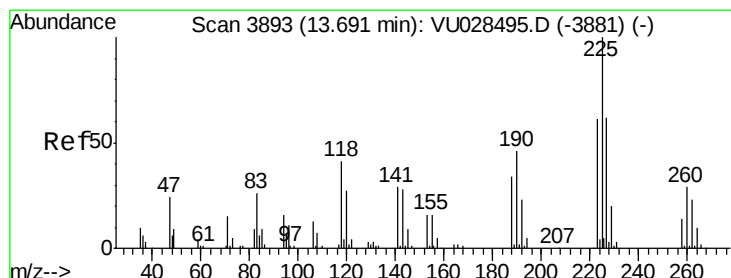
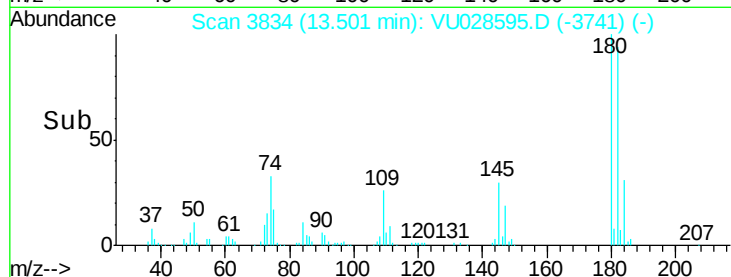
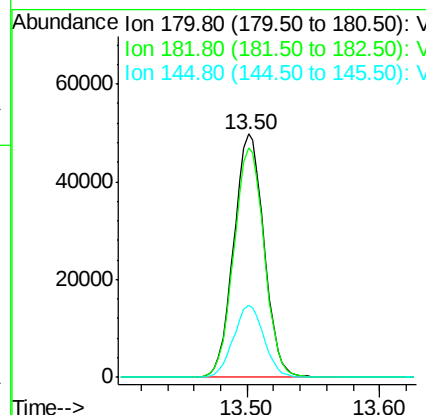
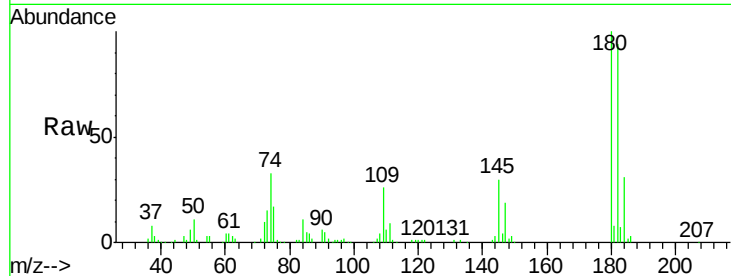




#93
 1,2,4-Trichlorobenzene
 Concen: 48.855 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

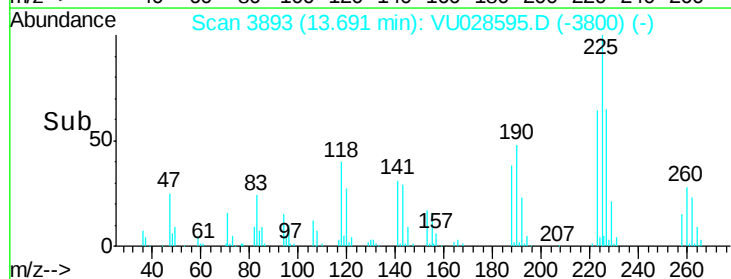
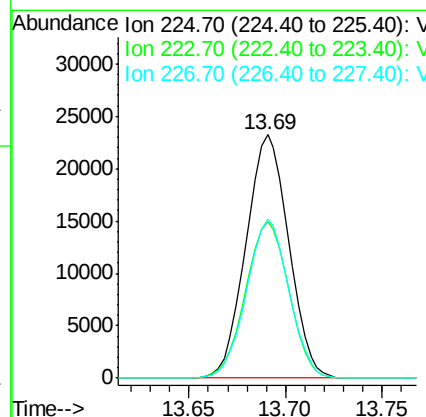
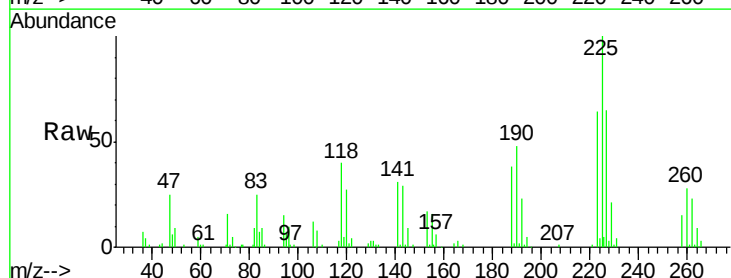
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

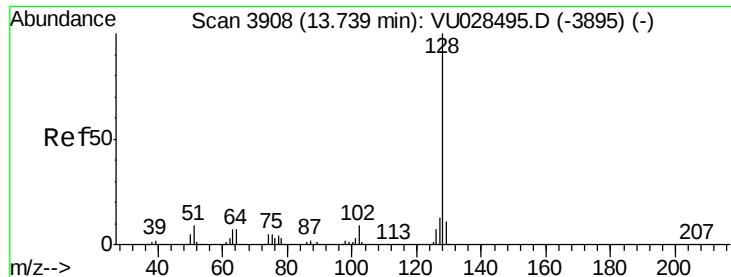
Tot Ion:180 Resp: 78744
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.8
 145 29.8 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 46.464 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028595.D
 Acq: 11 Dec 2018 09:42

Tgt Ion:225 Resp: 35714
 Ion Ratio Lower Upper
 225 100
 223 65.2 30.4 91.2
 227 64.7 30.7 92.1

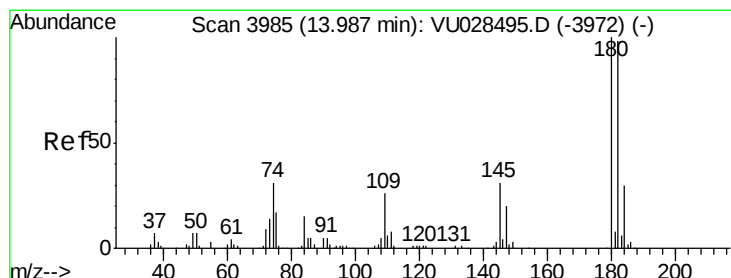
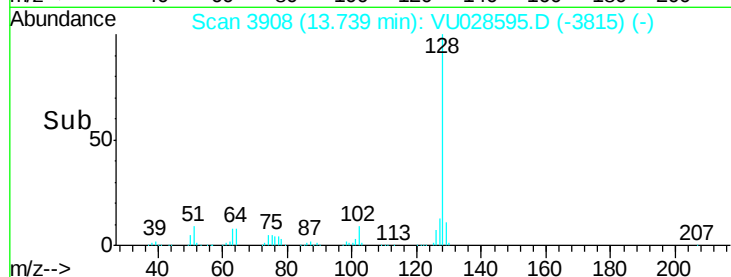
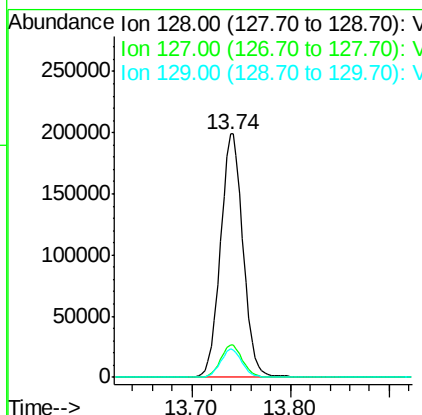
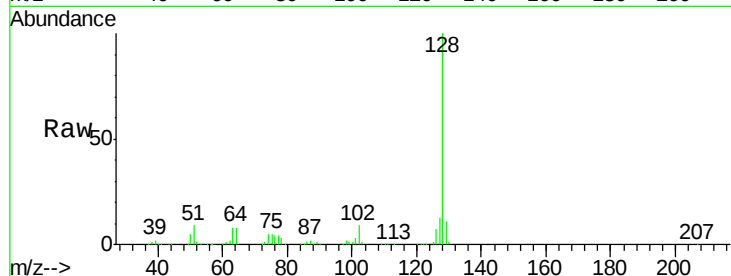




#95
Naphthalene
Concen: 56.740 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Instrument :
MSVOA_U
ClientSampleId :
P001-SW004-01MSD

Tot Ion:128 Resp: 319489
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.600 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028595.D
Acq: 11 Dec 2018 09:42

Tgt Ion:180 Resp: 81204
Ion Ratio Lower Upper
180 100
182 94.4 48.2 144.6
145 31.5 15.8 47.3

