

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028685.D
 Acq On : 14 Dec 2018 16:03
 Operator : MD/SY
 Sample : VU1215WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:21:42 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	73523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	129763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56259	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	59893	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	4.88	113	43118	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	7.57	98	166454	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	10.30	95	59032	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	19320	19.605	ug/l	99
3) Chloromethane	1.33	50	33328	18.395	ug/l	99
4) Vinyl Chloride	1.40	62	25363	19.398	ug/l	100
5) Bromomethane	1.61	94	9872	18.744	ug/l	95
6) Chloroethane	1.69	64	14437	19.504	ug/l	99
7) Trichlorofluoromethane	1.88	101	27221	19.788	ug/l	99
8) Diethyl Ether	2.10	74	11750	18.257	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	16709	20.309	ug/l	98
10) Methyl Iodide	2.41	142	15985	24.762	ug/l	98
11) Tert butyl alcohol	2.83	59	28239	112.965	ug/l	98
12) 1,1-Dichloroethene	2.28	96	15752	19.243	ug/l	98
13) Acrolein	2.19	56	16507	82.833	ug/l	97
14) Allyl chloride	2.59	41	37033	19.123	ug/l	99
15) Acrylonitrile	2.94	53	74623	107.523	ug/l	99
16) Acetone	2.32	43	68133	93.057	ug/l	97
17) Carbon Disulfide	2.48	76	53732	18.220	ug/l	100
18) Methyl Acetate	2.62	43	44320	23.351	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	61832	19.925	ug/l	100
20) Methylene Chloride	2.70	84	20151	18.670	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	17891	19.412	ug/l	98
22) Diisopropyl ether	3.57	45	78013	20.716	ug/l	98
23) Vinyl Acetate	3.52	43	315434	101.548	ug/l	99
24) 1,1-Dichloroethane	3.45	63	39502	20.039	ug/l	99
25) 2-Butanone	4.26	43	104864	104.804	ug/l	98
26) 2,2-Dichloropropane	4.22	77	31486	20.158	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	21034	20.163	ug/l	98
28) Bromochloromethane	4.55	49	19480	21.738	ug/l	96
29) Tetrahydrofuran	4.64	42	70062	109.028	ug/l	97
30) Chloroform	4.67	83	35040	20.395	ug/l	95
31) Cyclohexane	5.00	56	39159	19.629	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	29186	20.454	ug/l	97
36) 1,1-Dichloropropene	5.13	75	27273	19.207	ug/l	98
37) Ethyl Acetate	4.38	43	38221	20.822	ug/l	99
38) Carbon Tetrachloride	5.13	117	23012	20.107	ug/l	99

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 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:21:42 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)
39) Methylcyclohexane	6.42	83	30842	17.804	ug/l	99
40) Benzene	5.39	78	84288	20.154	ug/l	99
41) Methacrylonitrile	4.54	41	20820	20.711	ug/l	98
42) 1,2-Dichloroethane	5.40	62	29243	19.976	ug/l	98
43) Isopropyl Acetate	5.55	43	60295	20.767	ug/l	97
44) Trichloroethene	6.19	130	17351	18.659	ug/l	98
45) 1,2-Dichloropropane	6.43	63	24293	20.656	ug/l	99
46) Dibromomethane	6.56	93	14152	20.281	ug/l	97
47) Bromodichloromethane	6.76	83	27401	20.180	ug/l	97
48) Methyl methacrylate	6.62	41	30461	21.097	ug/l	96
49) 1,4-Dioxane	6.61	88	10442	458.020	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	192926	105.355	ug/l	98
52) Toluene	7.64	92	48487	19.700	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	31563	19.517	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	34138	19.457	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	19952	20.507	ug/l	98
56) Ethyl methacrylate	8.02	69	33019	19.818	ug/l	98
57) 1,3-Dichloropropane	8.24	76	35756	19.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	84129	98.584	ug/l	99
59) 2-Hexanone	8.36	43	148163	102.081	ug/l	99
60) Dibromochloromethane	8.48	129	19388	20.354	ug/l	100
61) 1,2-Dibromoethane	8.58	107	20017	19.619	ug/l	95
64) Tetrachloroethene	8.23	164	14625	18.331	ug/l	99
65) Chlorobenzene	9.12	112	48678	19.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	17342	21.307	ug/l	99
67) Ethyl Benzene	9.25	91	88879	18.969	ug/l	100
68) m/p-Xylenes	9.37	106	66430	38.964	ug/l	100
69) o-Xylene	9.78	106	32006	19.318	ug/l	98
70) Styrene	9.79	104	51765	18.879	ug/l	99
71) Bromoform	9.96	173	14519	20.970	ug/l #	95
73) Isopropylbenzene	10.16	105	85438	19.791	ug/l	98
74) N-amyl acetate	10.01	43	50966	20.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	36508	22.015	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	43708	30.425	ug/l	82
77) Bromobenzene	10.45	156	20290	20.097	ug/l	100
78) n-propylbenzene	10.58	91	103631	19.319	ug/l	99
79) 2-Chlorotoluene	10.66	91	62783	20.319	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	71360	19.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	43708	74.545	ug/l #	100
82) 4-Chlorotoluene	10.77	91	71026	19.398	ug/l	98
83) tert-Butylbenzene	11.10	119	67656	19.643	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	72293	19.630	ug/l	99
85) sec-Butylbenzene	11.32	105	84662	19.133	ug/l	99
86) p-Isopropyltoluene	11.48	119	70437	18.740	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	36050	18.910	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	36758	18.636	ug/l	98
89) n-Butylbenzene	11.89	91	66666	17.525	ug/l	99
90) Hexachloroethane	12.14	117	12738	22.421	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	37312	19.566	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	7764	21.625	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

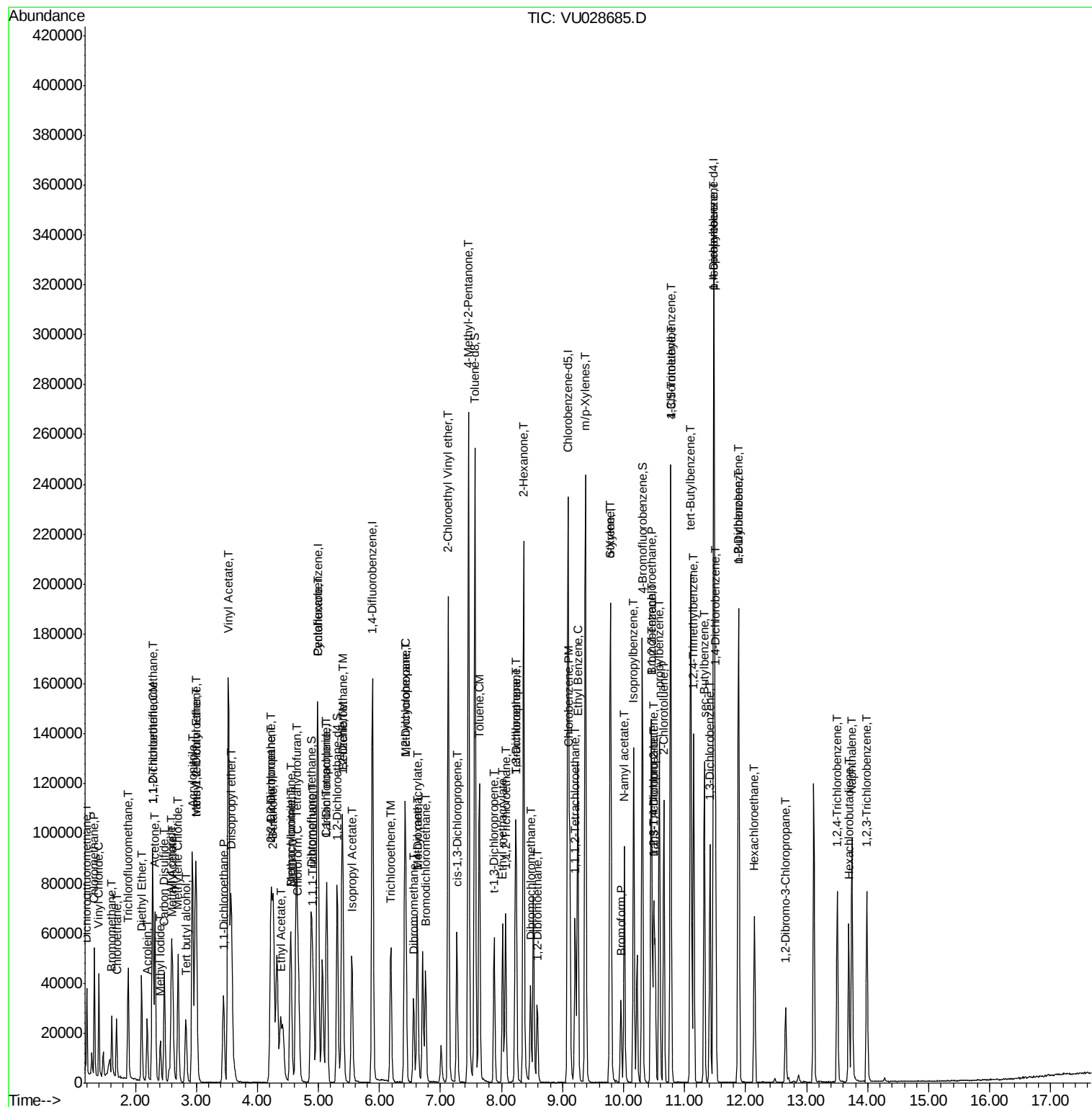
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	22563	17.771	ug/l	99
94) Hexachlorobutadiene	13.69	225	11612	18.589	ug/l	97
95) Naphthalene	13.74	128	78428	17.139	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	23751	18.305	ug/l	100

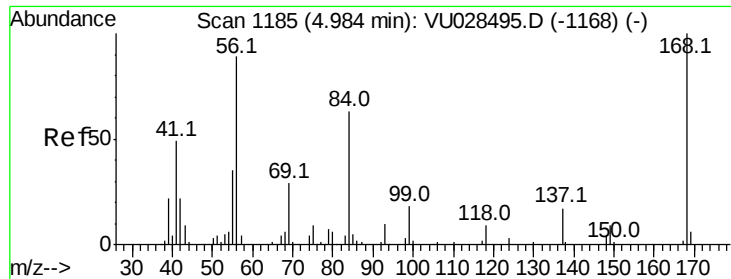
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 14 Dec 2018 16:03
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Sample : VU1215WBS02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :

Quant Time: Dec 15 00:21:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

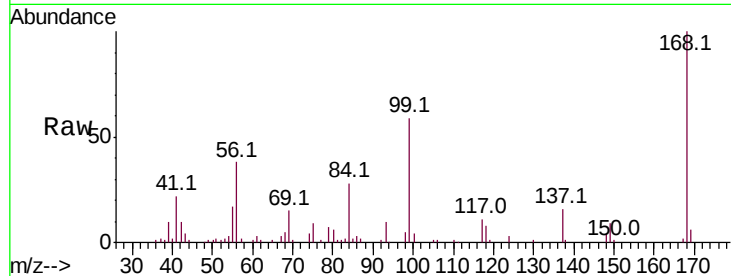
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 73523

Ion Ratio Lower Upper

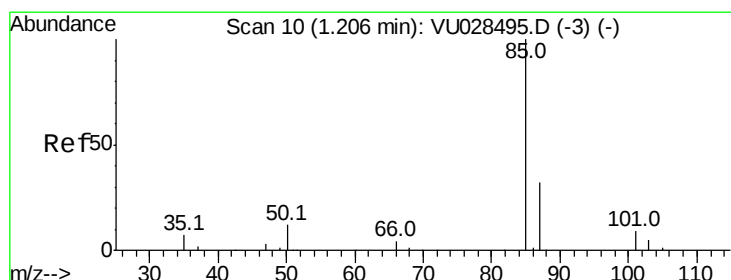
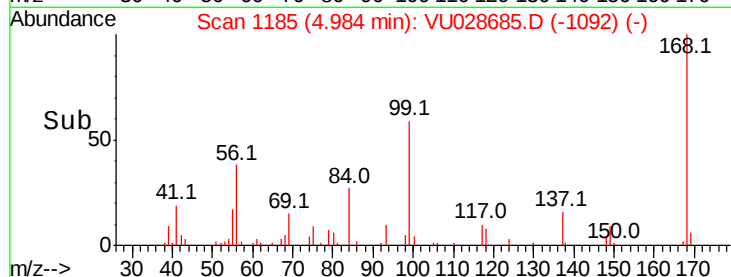
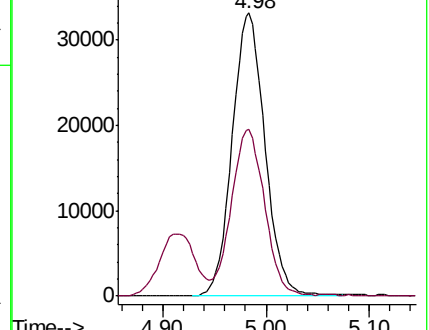
168 100

99 58.4 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) (-)



#2

Dichlorodifluoromethane

Concen: 19.605 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028685.D

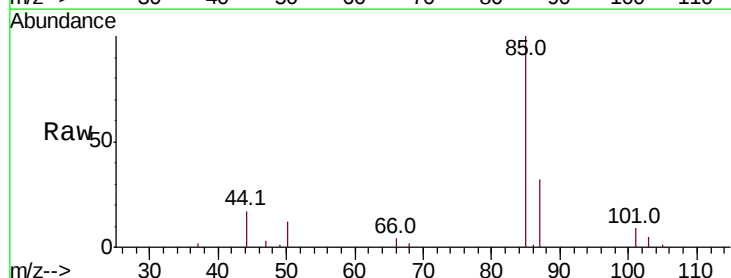
Acq: 14 Dec 2018 16:03

Tgt Ion: 85 Resp: 19320

Ion Ratio Lower Upper

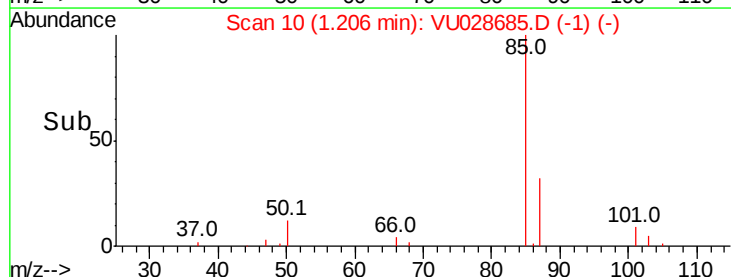
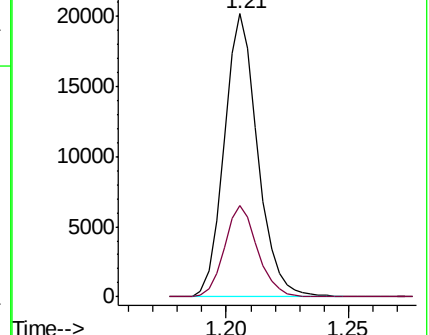
85 100

87 32.1 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) (-)





#3

Chloromethane

Concen: 18.395 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

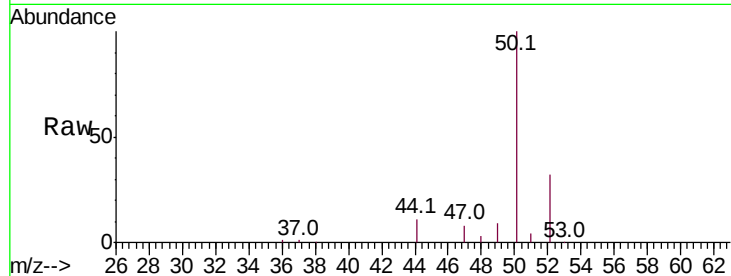
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 33328

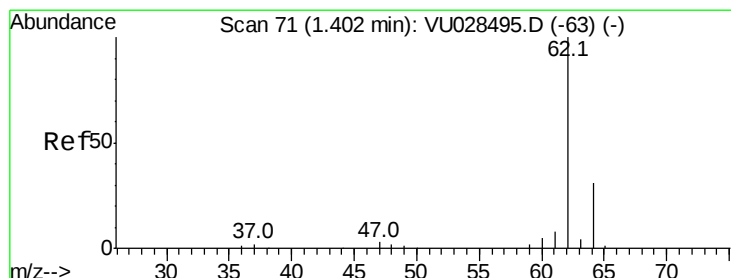
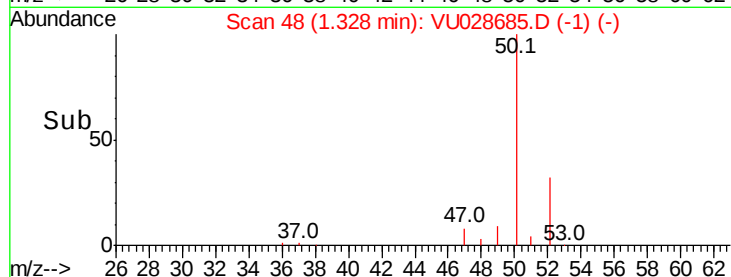
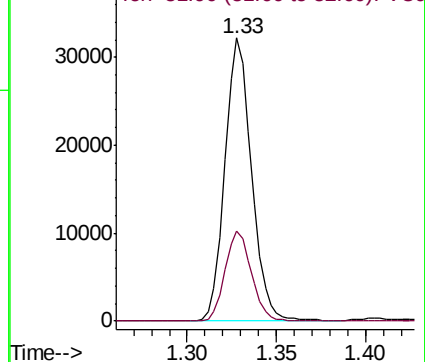
Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0
Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.398 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028685.D

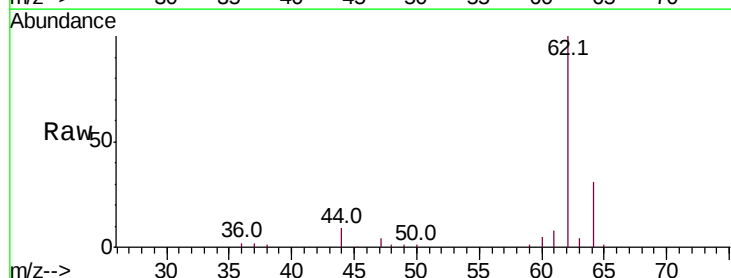
Acq: 14 Dec 2018 16:03

Tgt Ion: 62 Resp: 25363

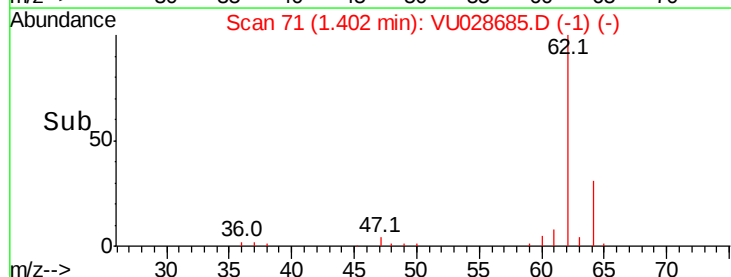
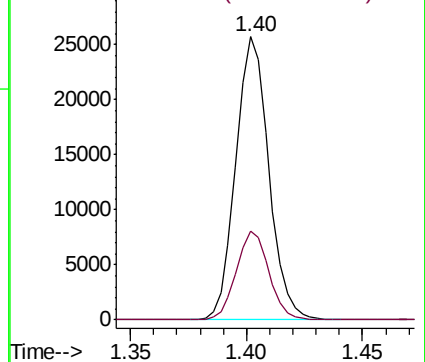
Ion Ratio Lower Upper

62 100

64 31.3 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: 18.744 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

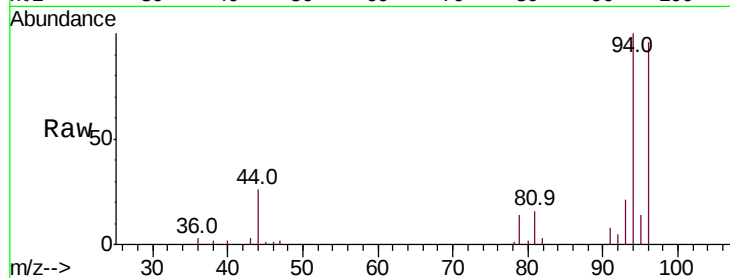
ClientSampleId :

Tot Ion: 94 Resp: 9872

Ion Ratio Lower Upper

94 100

96 95.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

8000

6000

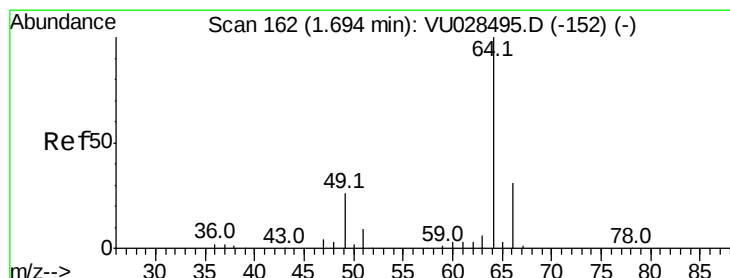
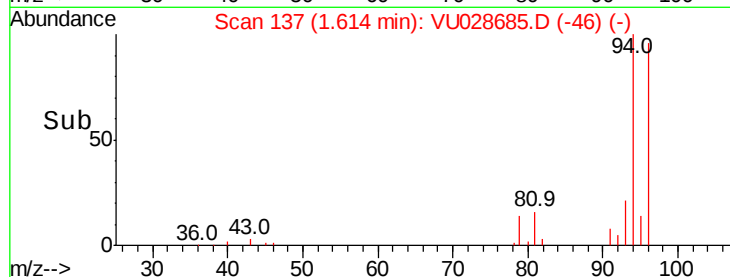
4000

2000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 19.504 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028685.D

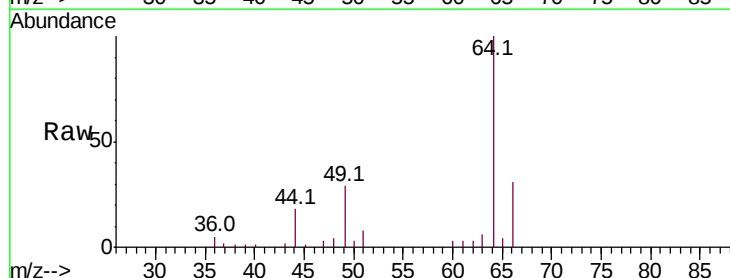
Acq: 14 Dec 2018 16:03

Tgt Ion: 64 Resp: 14437

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

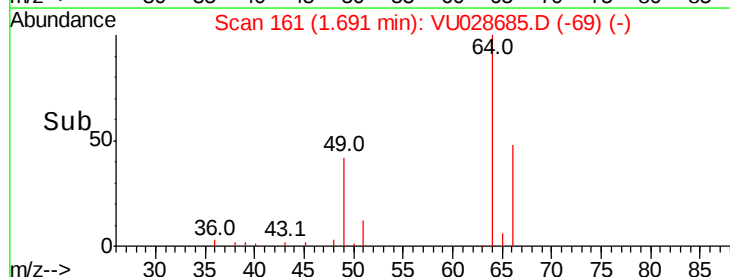
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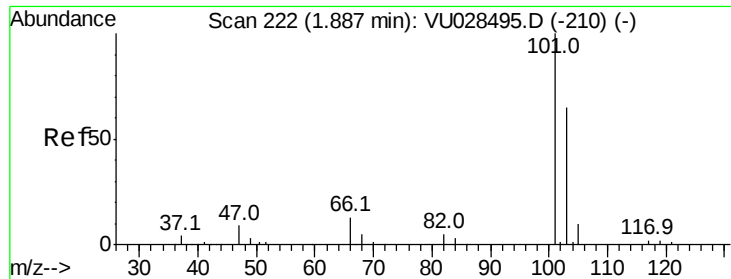
5000

0

1.65 1.70 1.75

Time-->



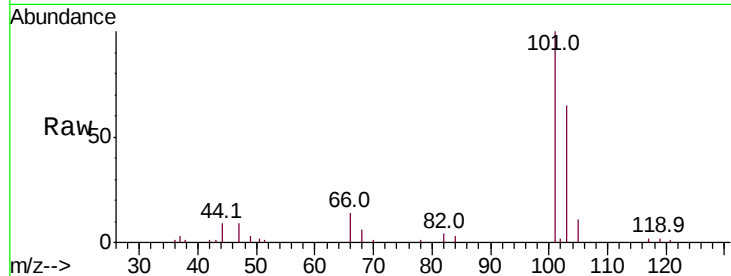


#7

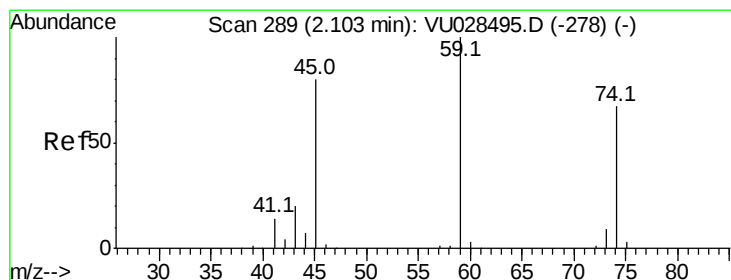
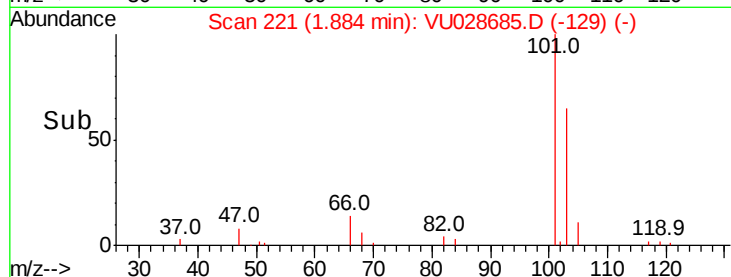
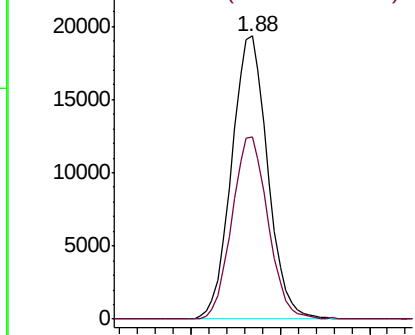
Trichlorofluoromethane
Concen: 19.788 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:101 Resp: 27221
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5



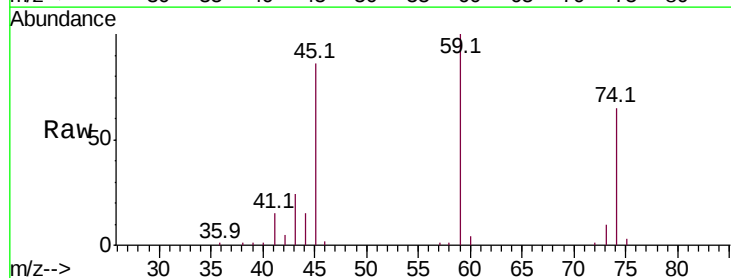
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



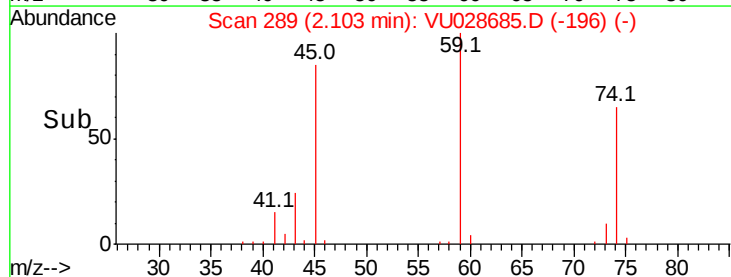
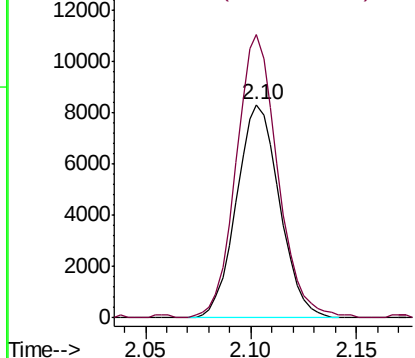
#8

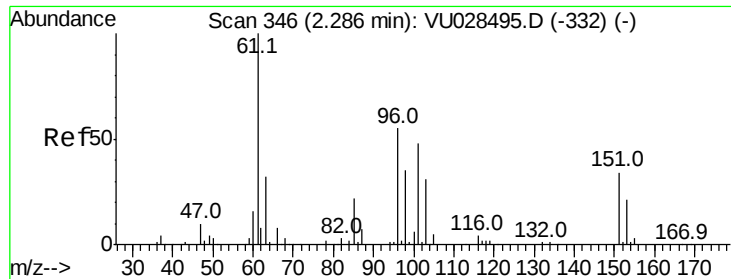
Diethyl Ether
Concen: 18.257 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 74 Resp: 11750
Ion Ratio Lower Upper
74 100
45 128.7 59.7 179.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.309 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

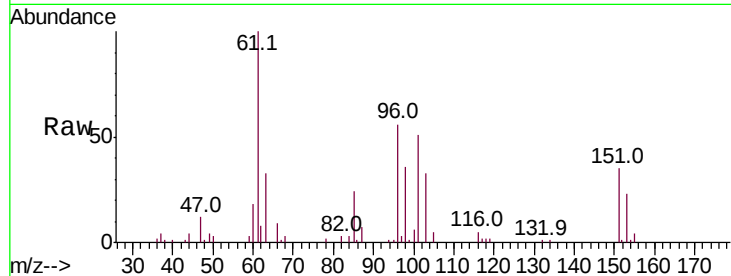
Tot Ion:101 Resp: 16709

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

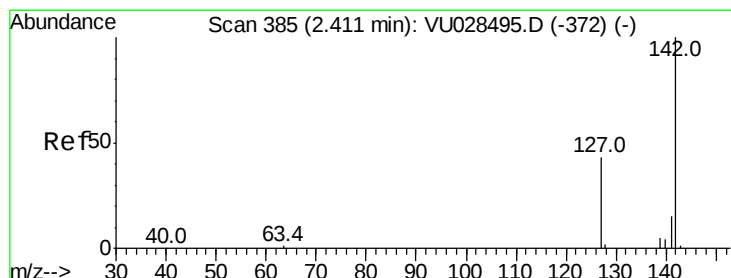
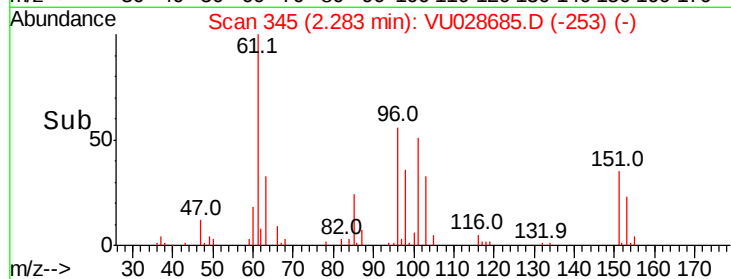
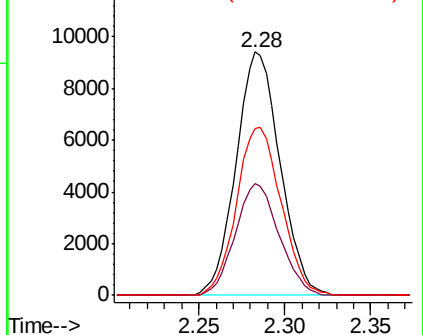
151 70.0 58.2 87.2



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: 24.762 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

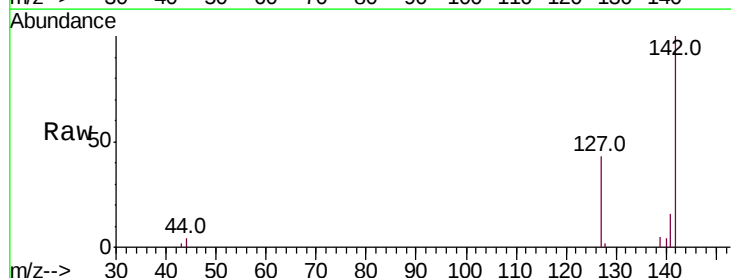
Tgt Ion:142 Resp: 15985

Ion Ratio Lower Upper

142 100

127 43.5 33.5 50.3

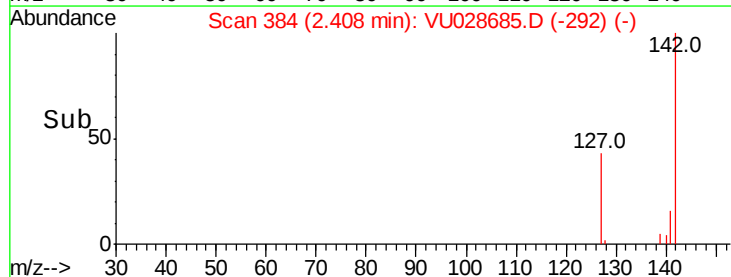
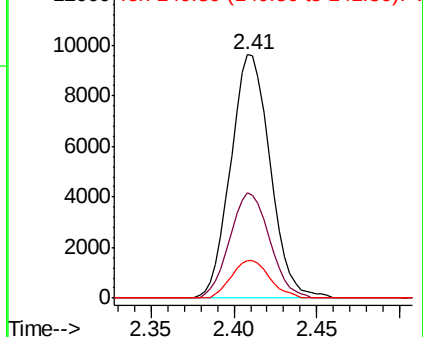
141 15.0 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



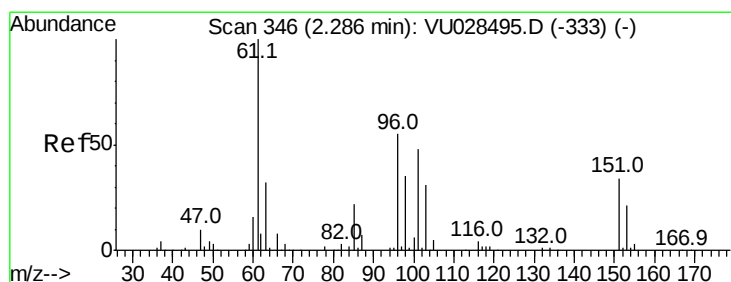
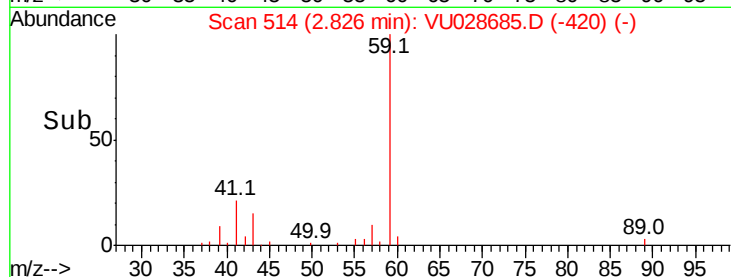
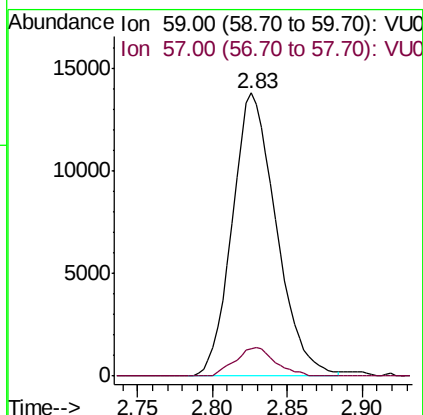
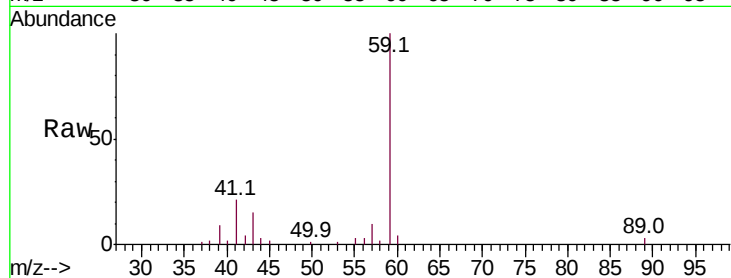


#11

Tert butyl alcohol
 Concen: 112.965 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :

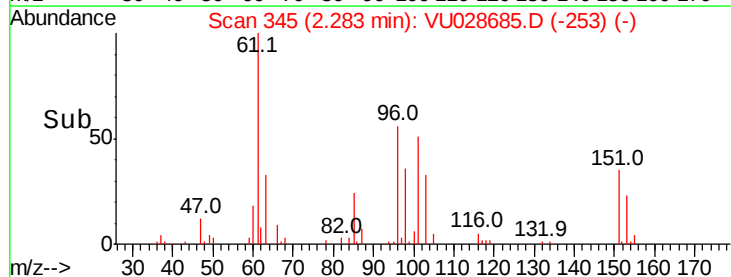
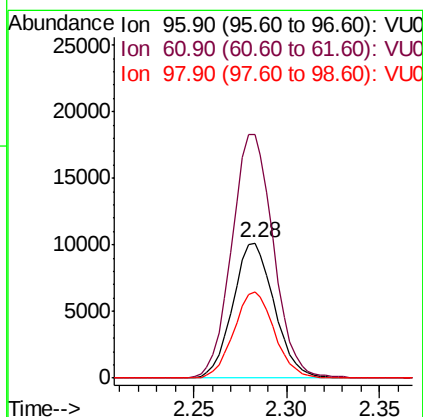
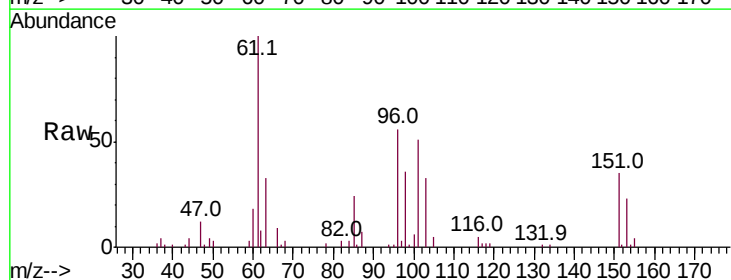
Tot Ion: 59 Resp: 28239
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.0 12.0

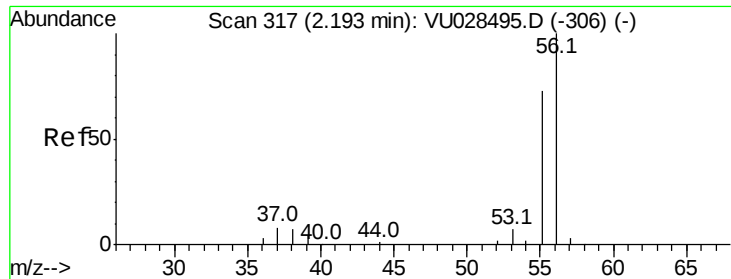


#12

1,1-Dichloroethene
 Concen: 19.243 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 96 Resp: 15752
 Ion Ratio Lower Upper
 96 100
 61 179.9 146.4 219.6
 98 64.0 51.8 77.8





#13

Acrolein

Concen: 82.833 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

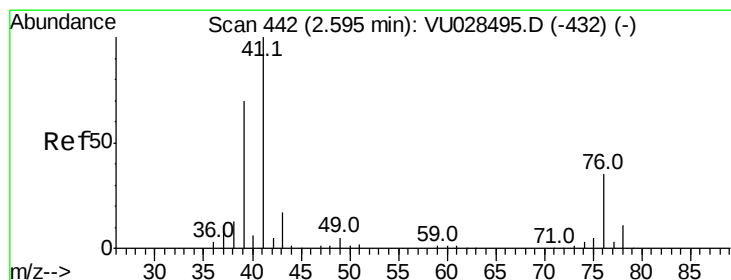
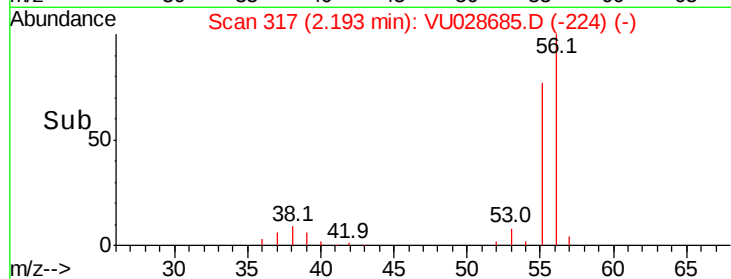
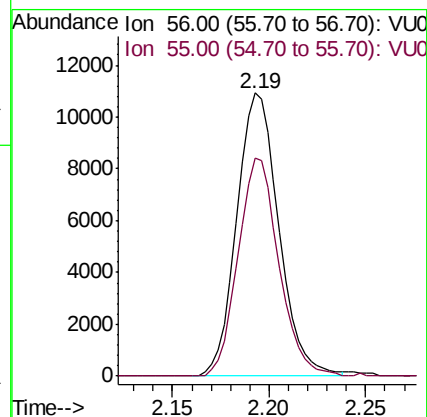
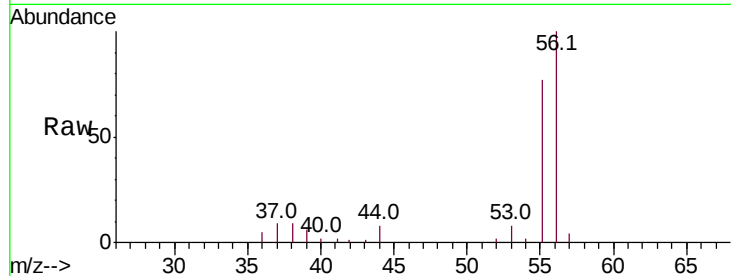
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 16507

Ion Ratio Lower Upper

56 100

55 74.7 57.5 86.3



#14

Allyl chloride

Concen: 19.123 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

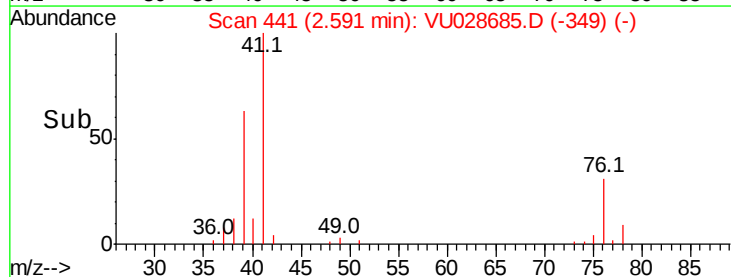
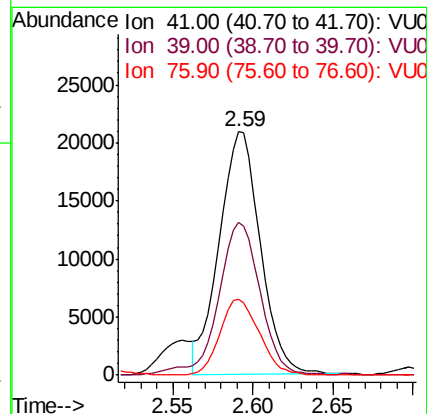
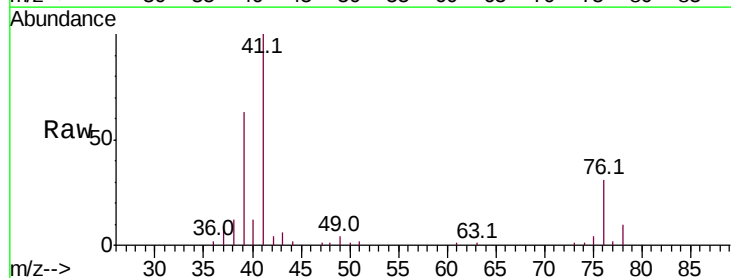
Tgt Ion: 41 Resp: 37033

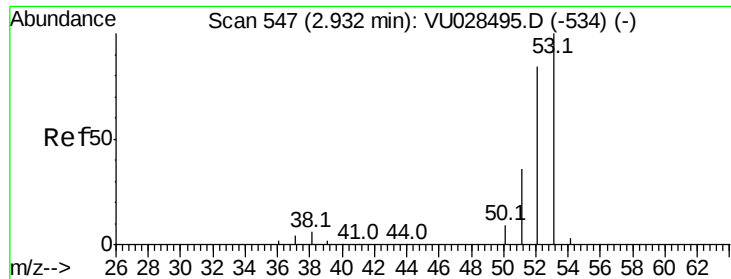
Ion Ratio Lower Upper

41 100

39 63.7 50.8 76.2

76 29.8 24.8 37.2





#15

Acrylonitrile

Concen: 107.523 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

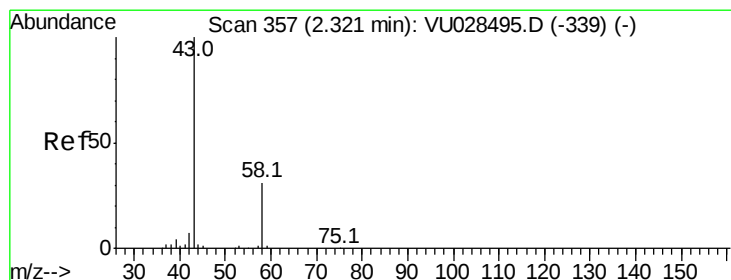
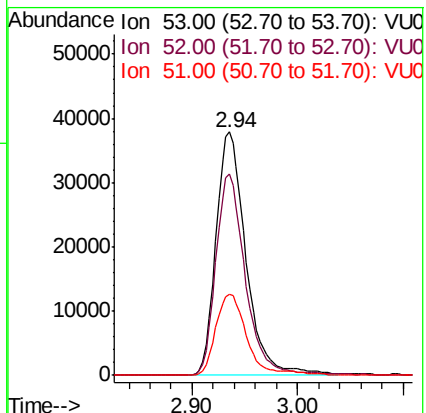
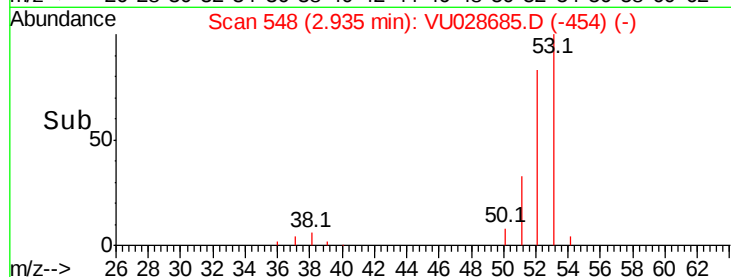
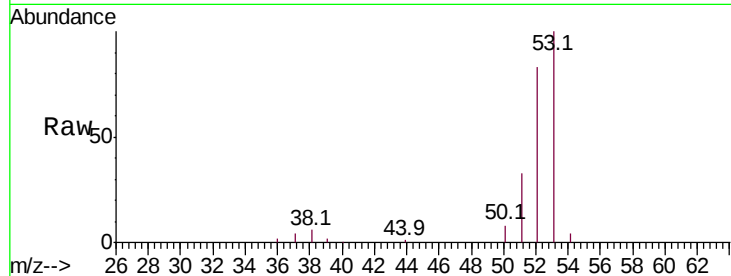
Tot Ion: 53 Resp: 74623

Ion Ratio Lower Upper

53 100

52 81.3 66.1 99.1

51 34.7 28.1 42.1



#16

Acetone

Concen: 93.057 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028685.D

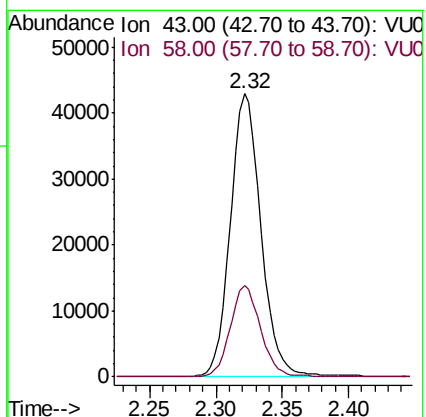
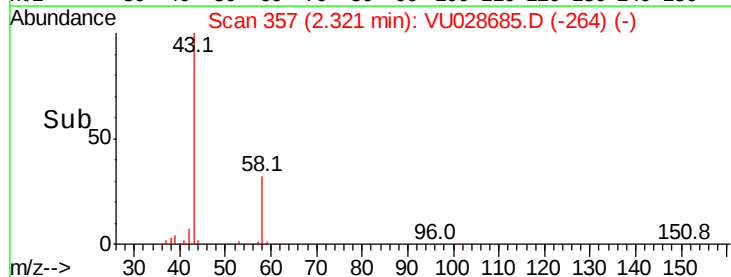
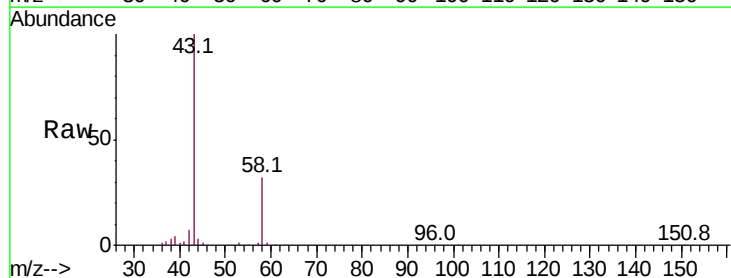
Acq: 14 Dec 2018 16:03

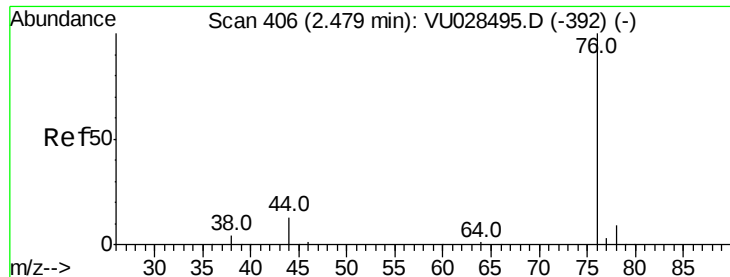
Tgt Ion: 43 Resp: 68133

Ion Ratio Lower Upper

43 100

58 32.4 24.6 37.0

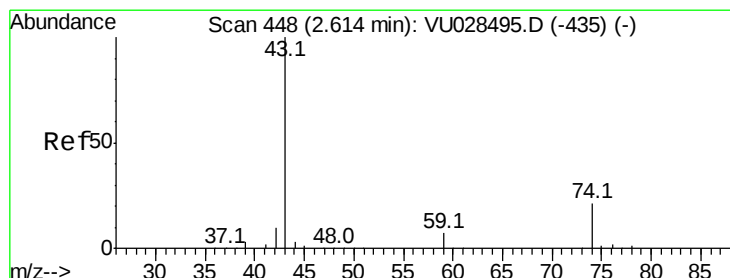
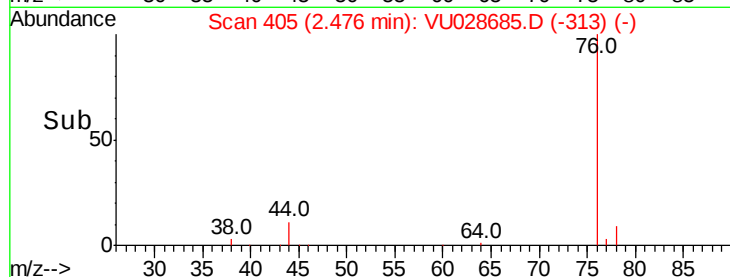
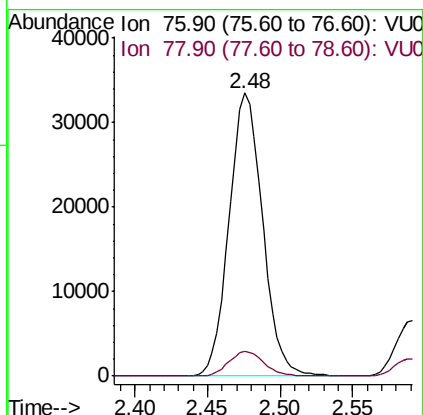
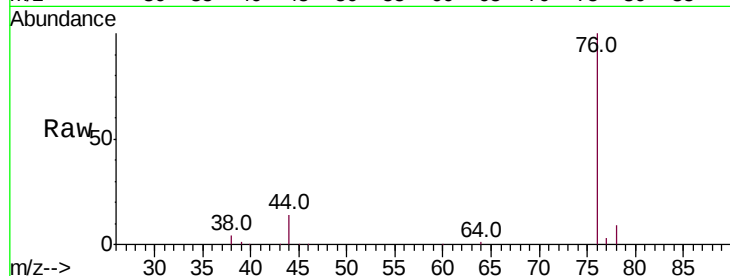




#17
Carbon Disulfide
Concen: 18.220 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

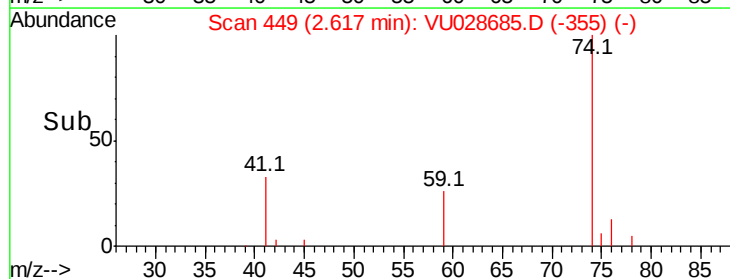
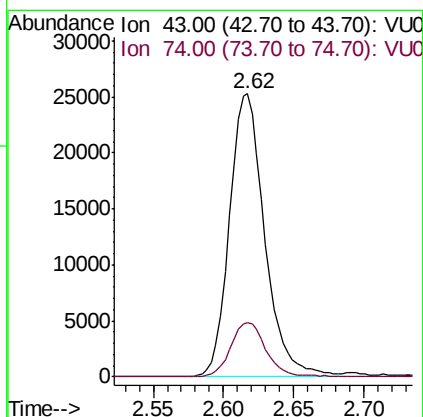
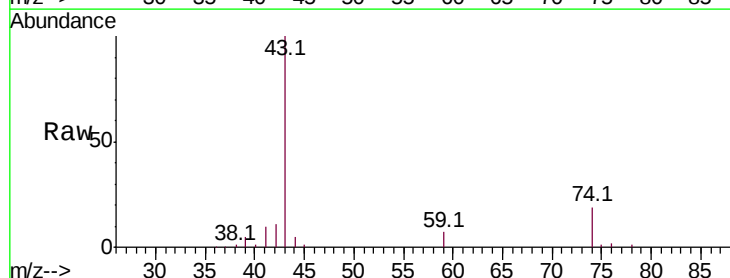
Instrument :
MSVOA_U
ClientSampleId :

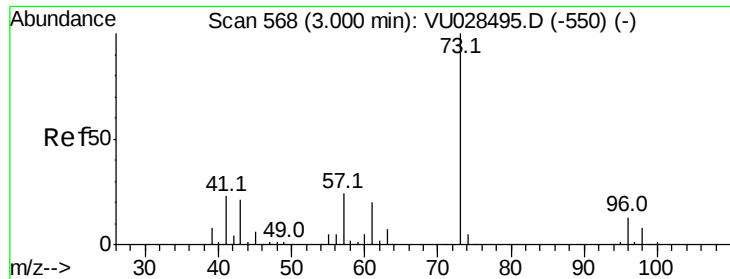
Tot Ion: 76 Resp: 53732
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 23.351 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 43 Resp: 44320
Ion Ratio Lower Upper
43 100
74 19.2 16.4 24.6

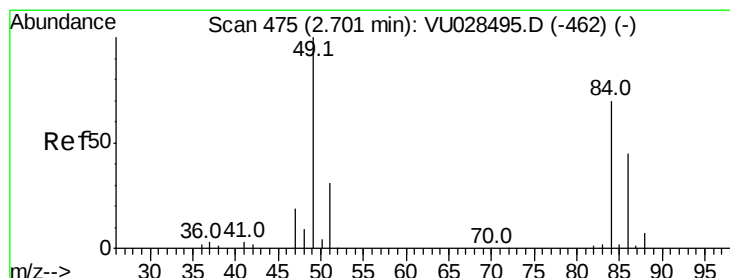
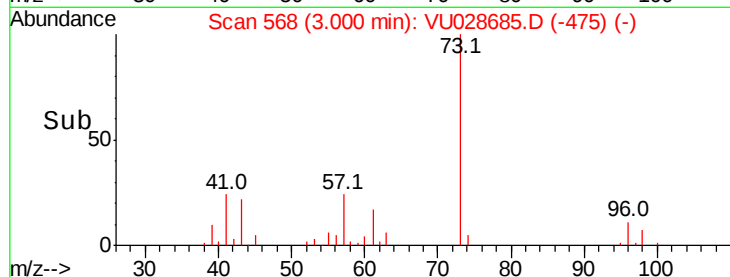
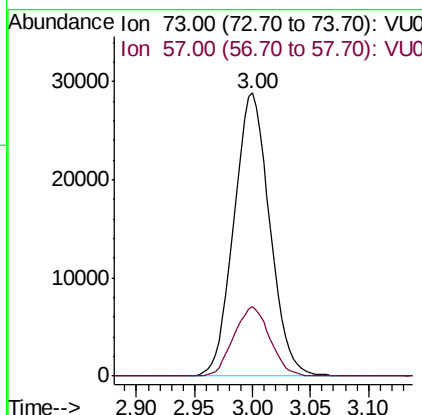
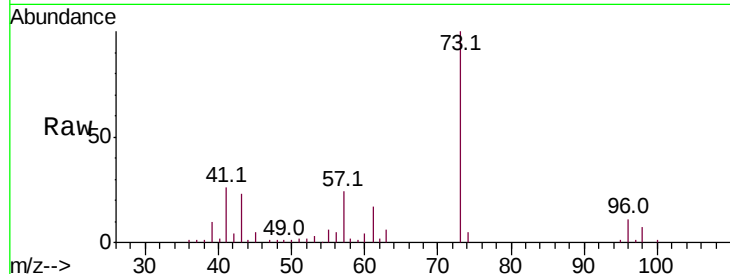




#19
Methvl tert-butvl Ether
Concen: 19.925 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

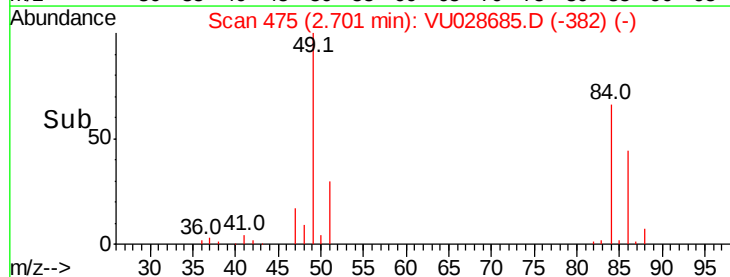
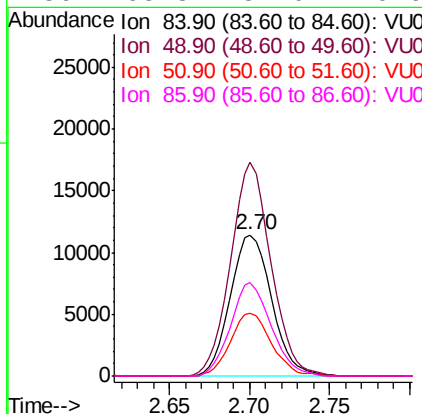
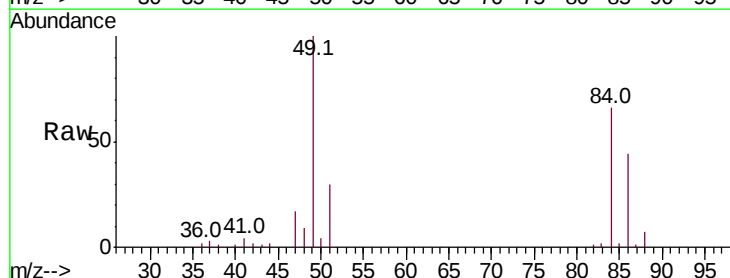
Instrument :
MSVOA_U
ClientSampleId :

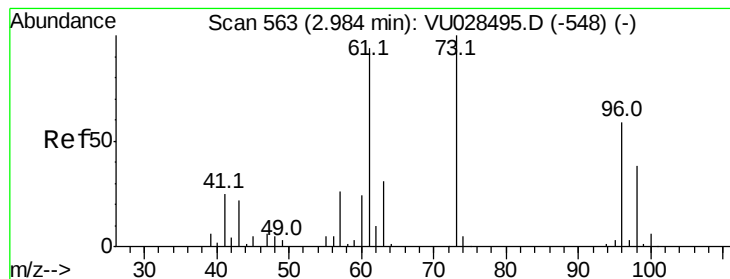
Tot Ion: 73 Resp: 61832
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2



#20
Methylene Chloride
Concen: 18.670 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 84 Resp: 20151
Ion Ratio Lower Upper
84 100
49 151.0 114.0 171.0
51 44.8 35.1 52.7
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.412 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

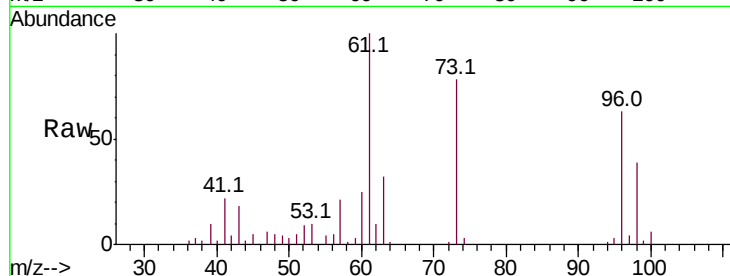
Tot Ion: 96 Resp: 17891

Ion Ratio Lower Upper

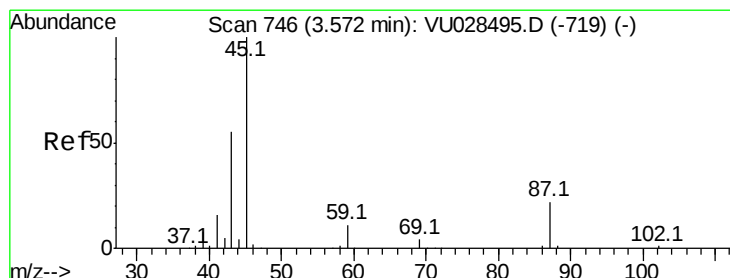
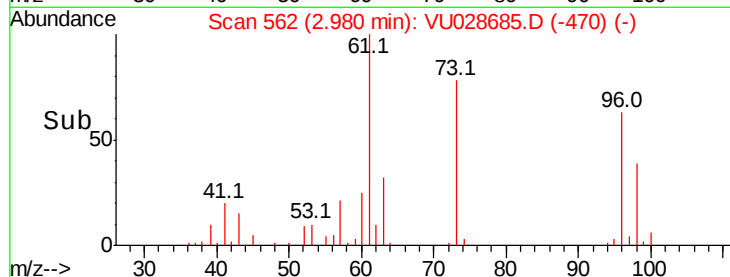
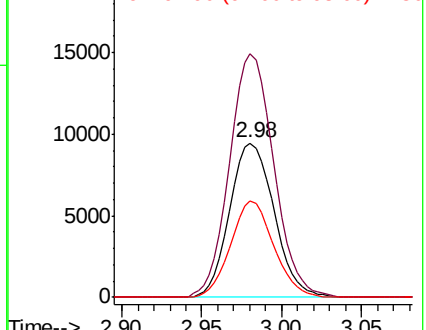
96 100

61 157.6 127.0 190.4

98 62.1 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0
20000 Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.716 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion: 45 Resp: 78013

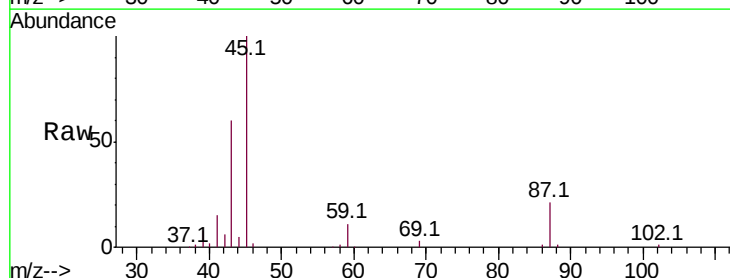
Ion Ratio Lower Upper

45 100

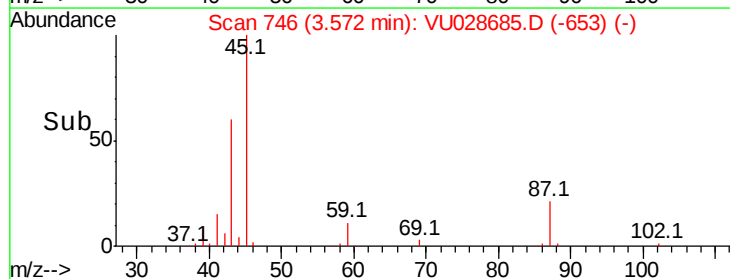
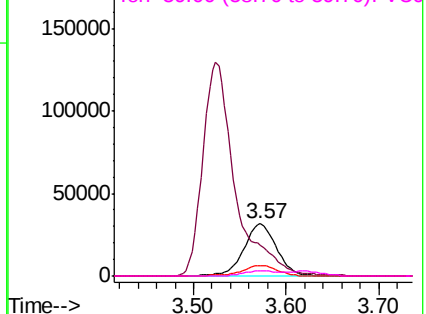
43 57.9 45.3 67.9

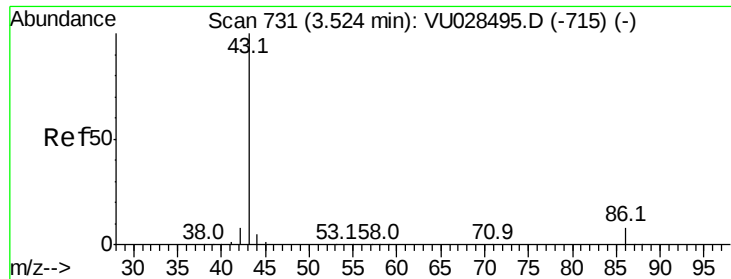
87 20.8 17.6 26.4

59 10.6 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VU0
200000 Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.548 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

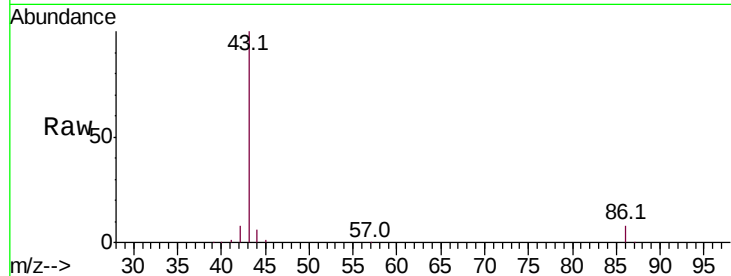
ClientSampled :

Tot Ion: 43 Resp: 315434

Ion Ratio Lower Upper

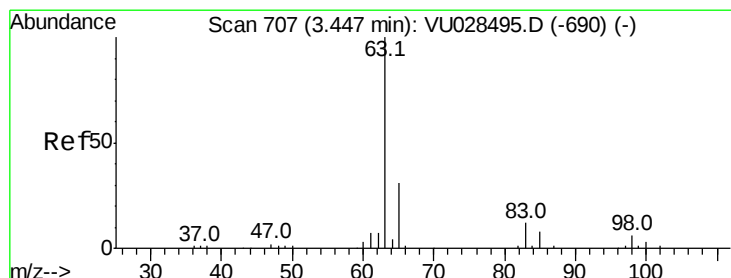
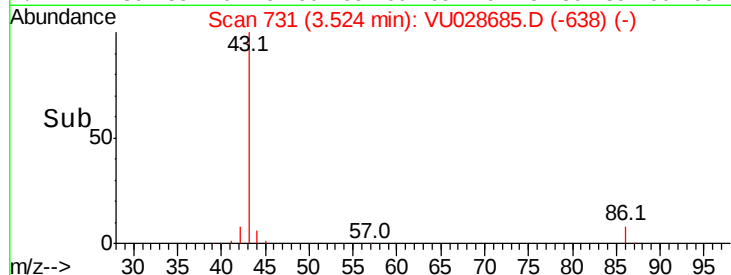
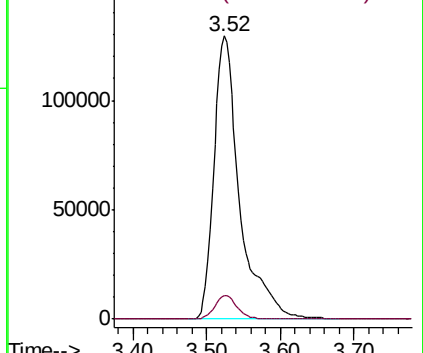
43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028685.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028685.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 20.039 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

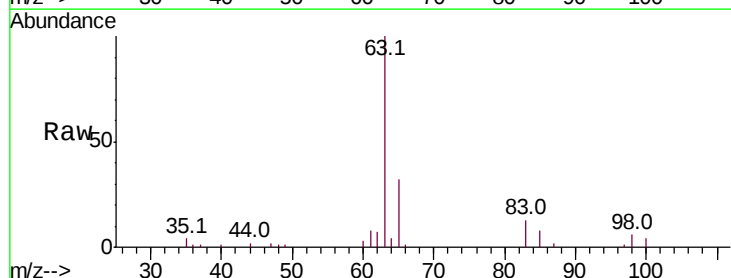
Tgt Ion: 63 Resp: 39502

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

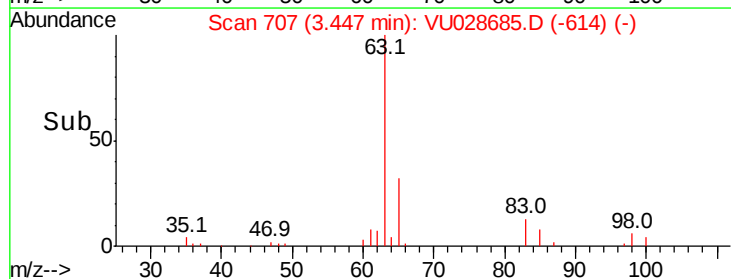
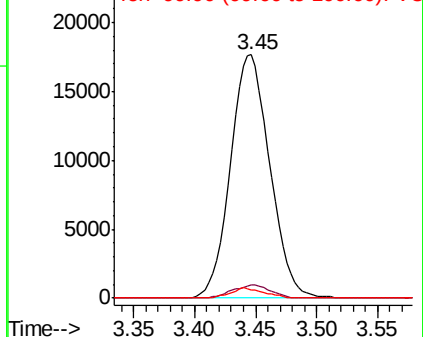
100 3.5 1.7 5.1

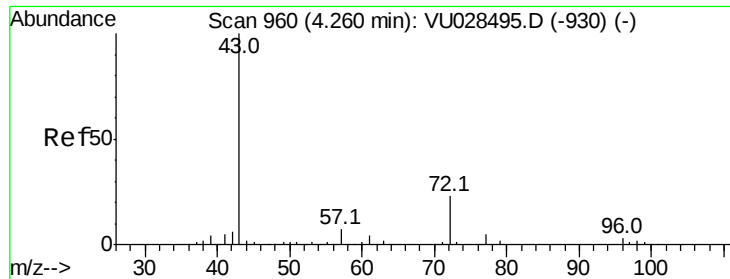


Abundance Ion 62.90 (62.60 to 63.60): VU028685.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028685.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028685.D (-614) (-)





#25

2-Butanone

Concen: 104.804 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

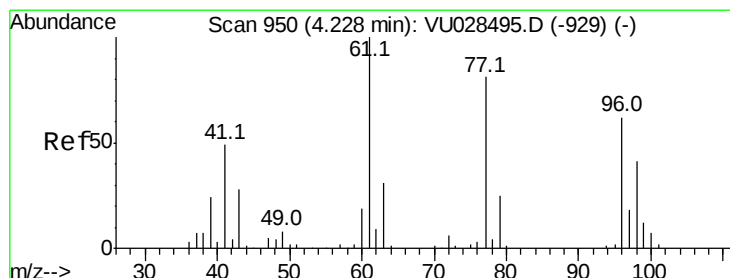
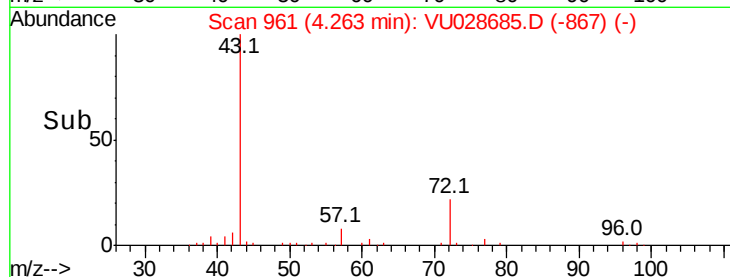
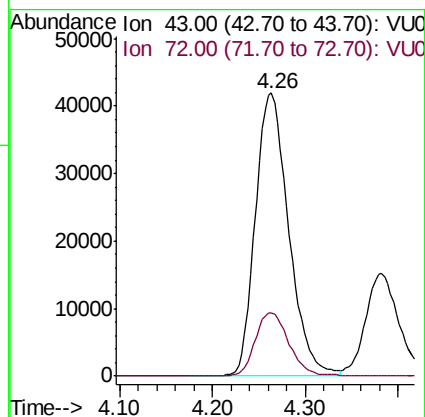
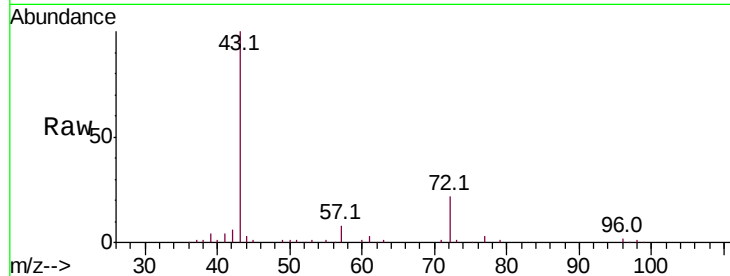
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 104864

Ion Ratio Lower Upper

43 100

72 22.4 18.6 28.0



#26

2,2-Dichloropropane

Concen: 20.158 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028685.D

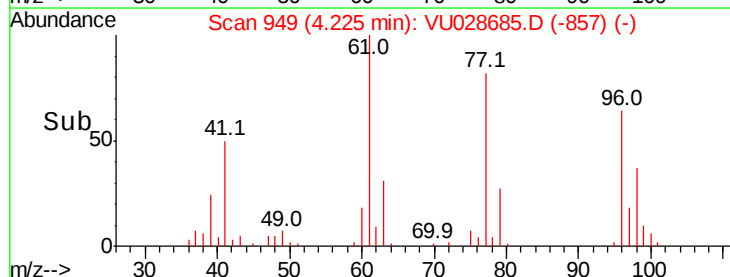
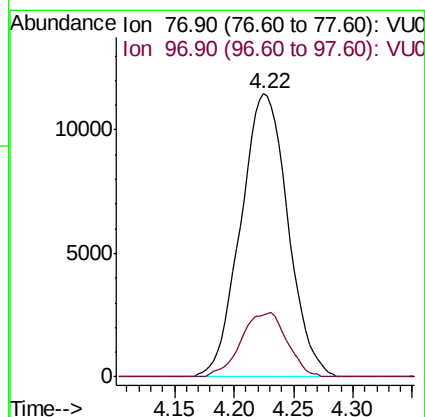
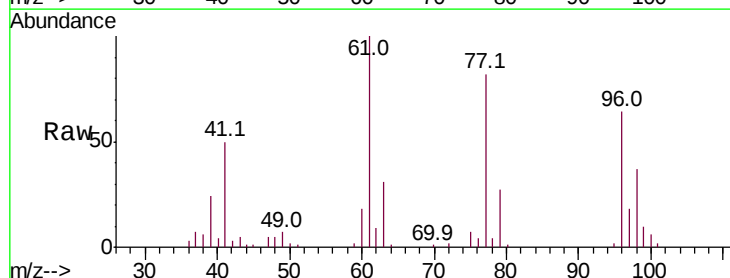
Acq: 14 Dec 2018 16:03

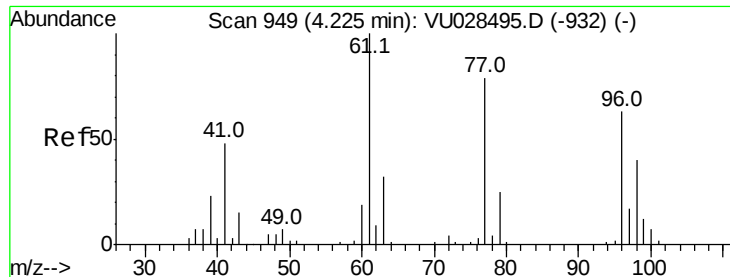
Tgt Ion: 77 Resp: 31486

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0

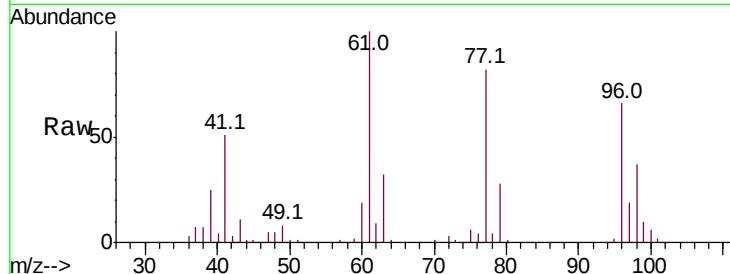




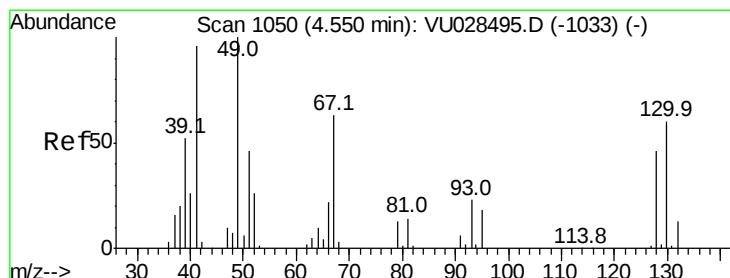
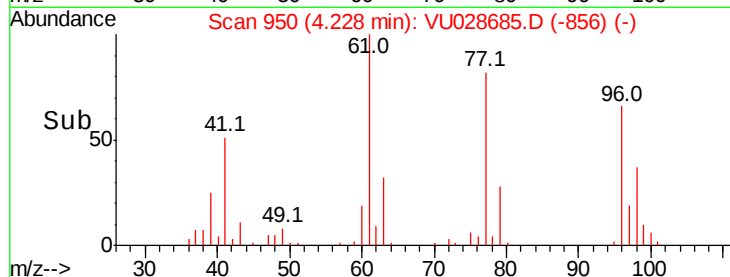
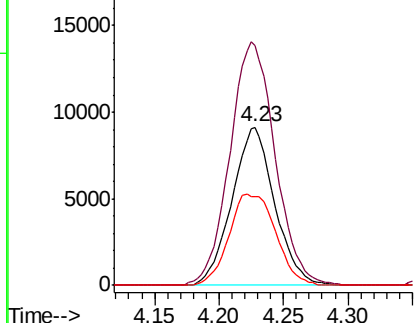
#27
 cis-1,2-Dichloroethene
 Concen: 20.163 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 21034
 Ion Ratio Lower Upper
 96 100
 61 163.0 0.0 332.4
 98 63.0 0.0 129.0

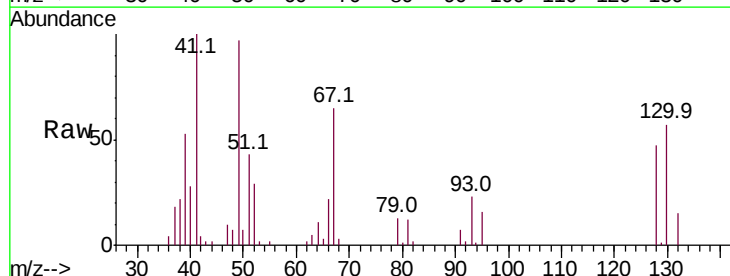


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

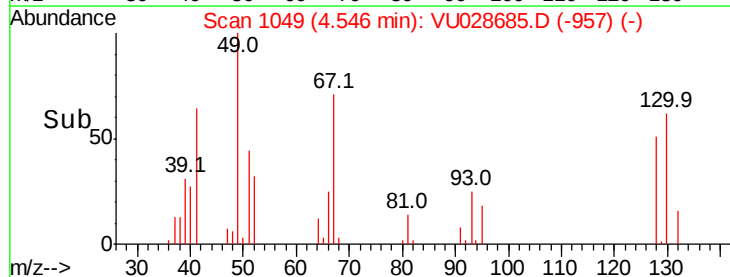
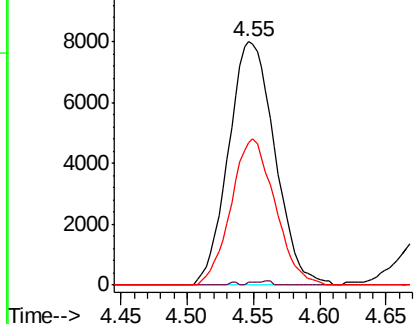


#28
 Bromochloromethane
 Concen: 21.738 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 49 Resp: 19480
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.0
 130 56.9 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: 109.028 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampled :

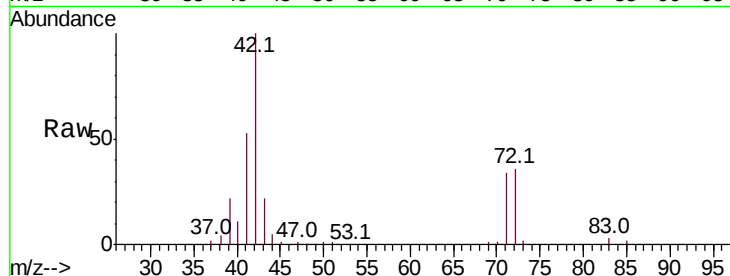
Tot Ion: 42 Resp: 70062

Ion Ratio Lower Upper

42 100

72 36.6 31.4 47.0

71 34.2 28.6 43.0

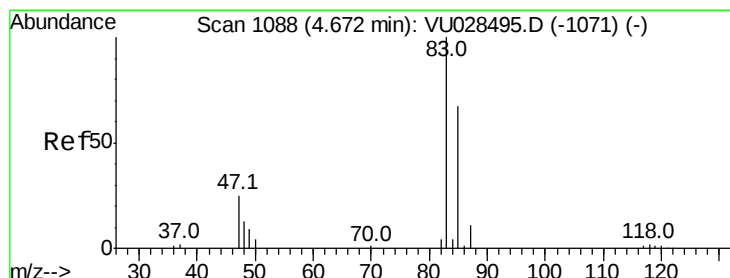
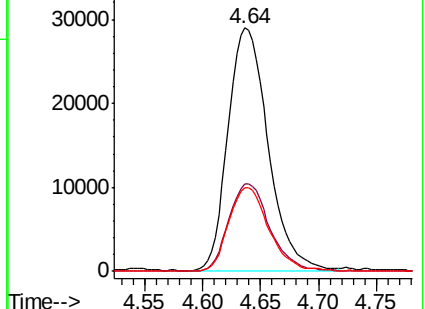
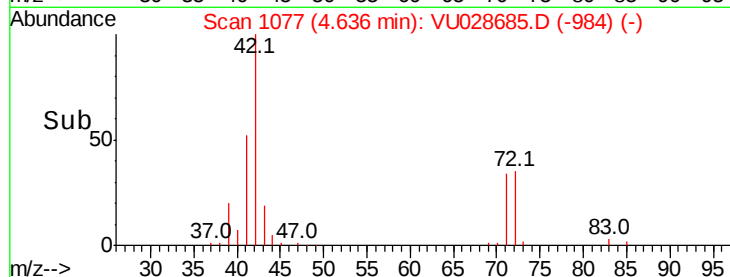


Abundance Ion 42.00 (41.70 to 42.70): VU028495.D (-1060) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-1060) (-)

Ion 71.00 (70.70 to 71.70): VU028495.D (-1060) (-)

4.64



#30

Chloroform

Concen: 20.395 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028685.D

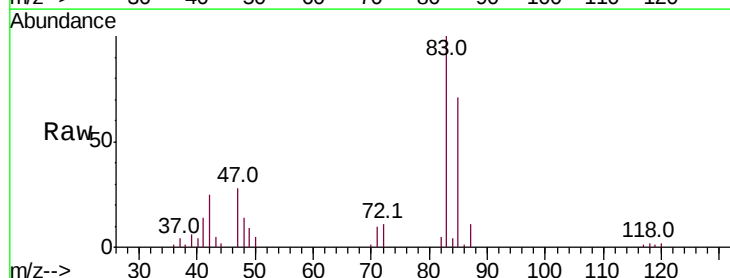
Acq: 14 Dec 2018 16:03

Tgt Ion: 83 Resp: 35040

Ion Ratio Lower Upper

83 100

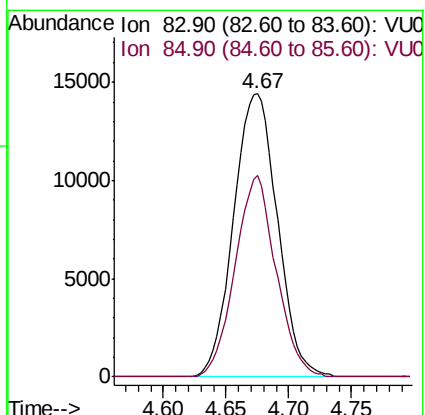
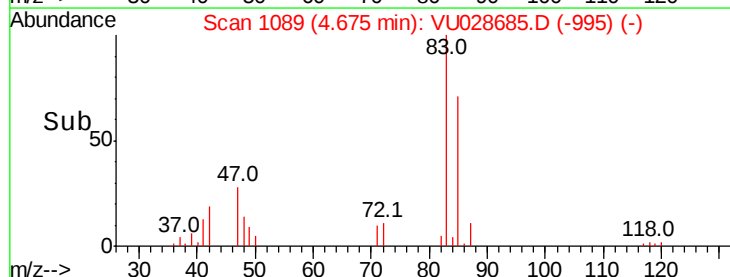
85 71.0 53.6 80.4

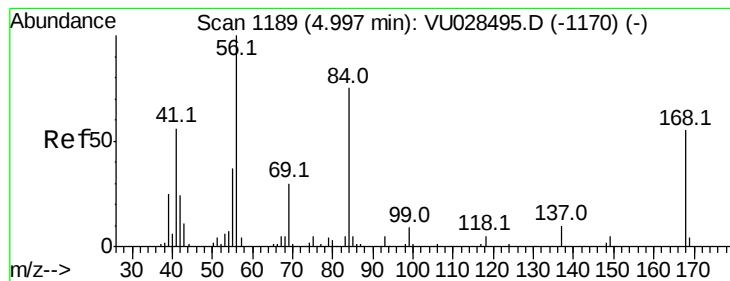


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1071) (-)

4.67





#31

Cyclohexane

Concen: 19.629 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampled :

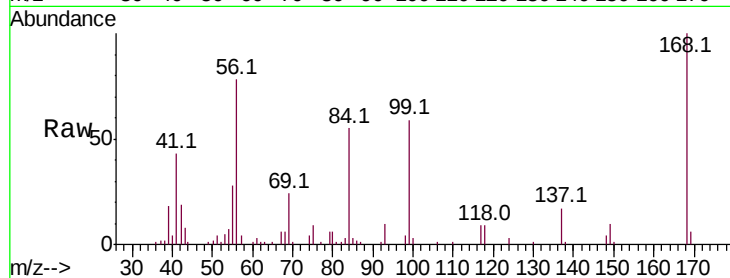
Tot Ion: 56 Resp: 39159

Ion Ratio Lower Upper

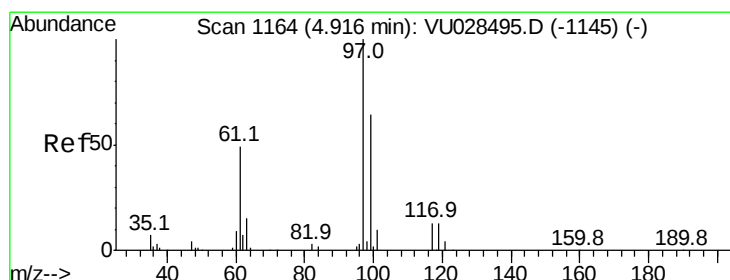
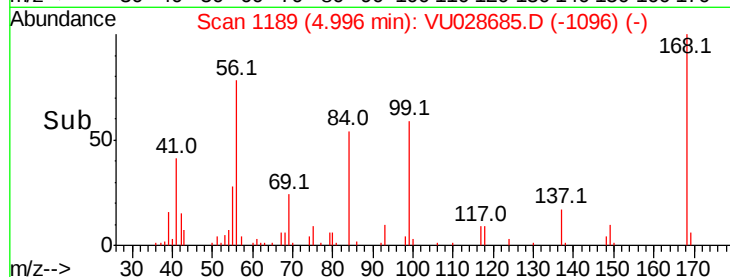
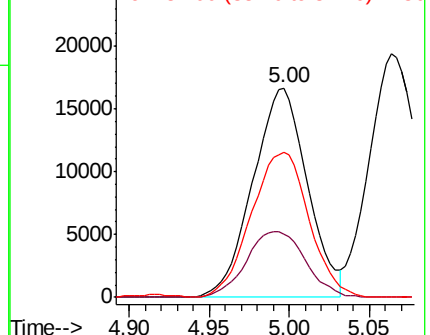
56 100

69 30.1 24.0 36.0

84 69.6 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: 20.454 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

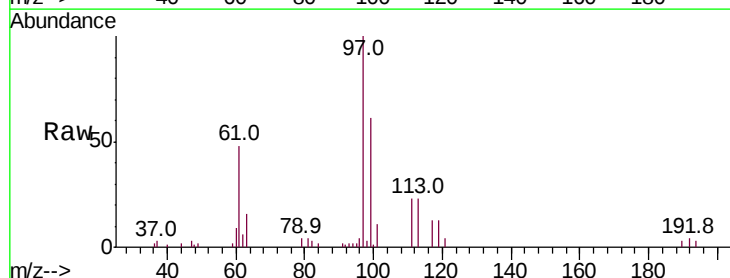
Tgt Ion: 97 Resp: 29186

Ion Ratio Lower Upper

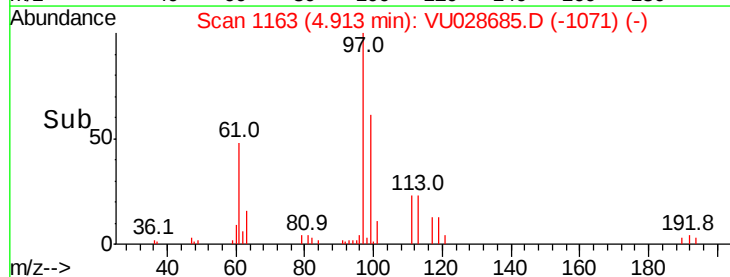
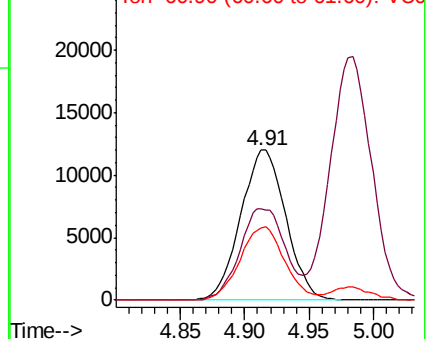
97 100

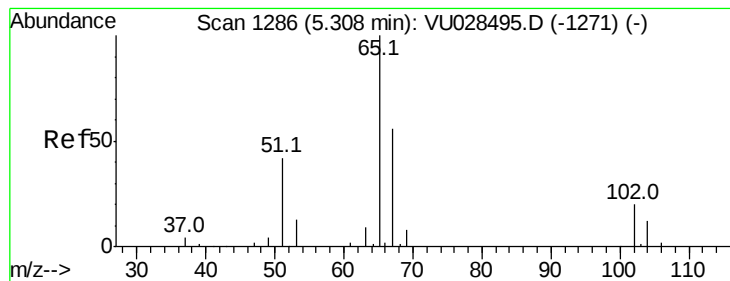
99 61.5 52.3 78.5

61 48.3 39.0 58.6



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





#33

1,2-Dichloroethane-d4

Concen: 53.380 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

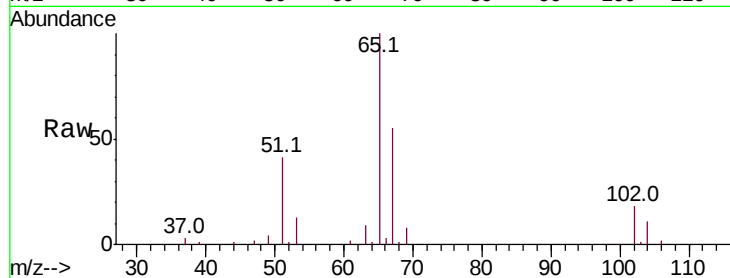
ClientSampleId :

Tot Ion: 65 Resp: 59893

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

30000

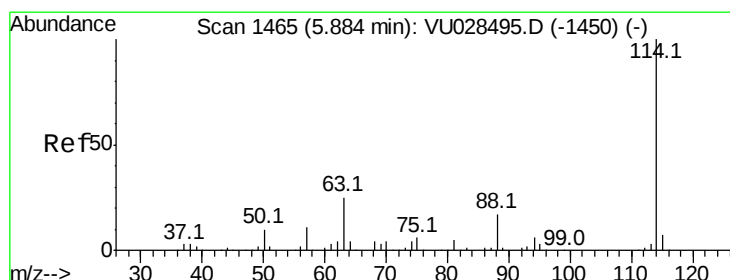
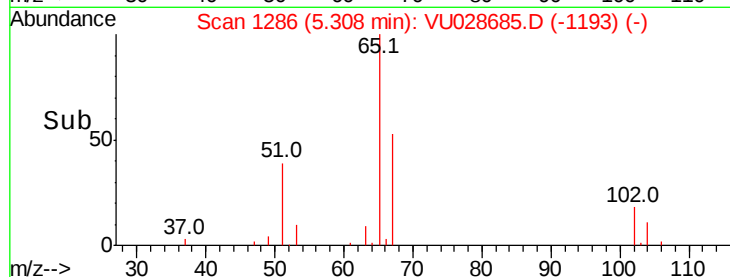
20000

10000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

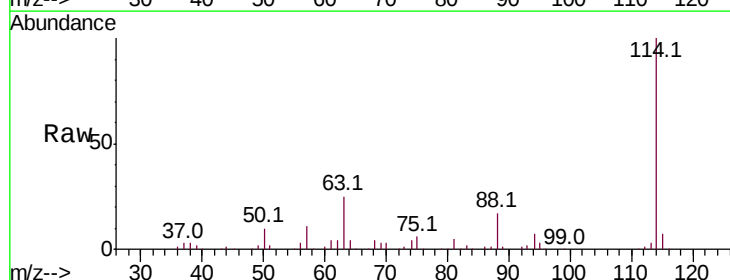
Tgt Ion: 114 Resp: 129763

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 16.7 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.88

80000

60000

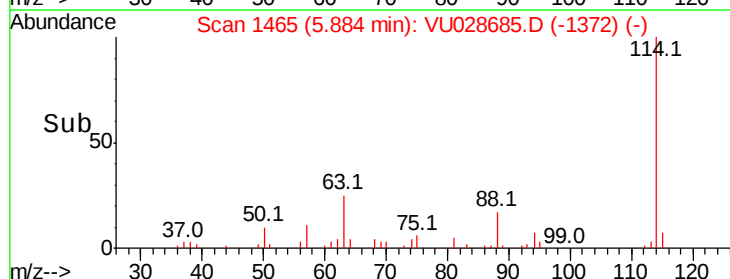
40000

20000

0

Time-->

5.80 5.85 5.90 5.95 6.00





#35

Dibromofluoromethane

Concen: 52.801 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

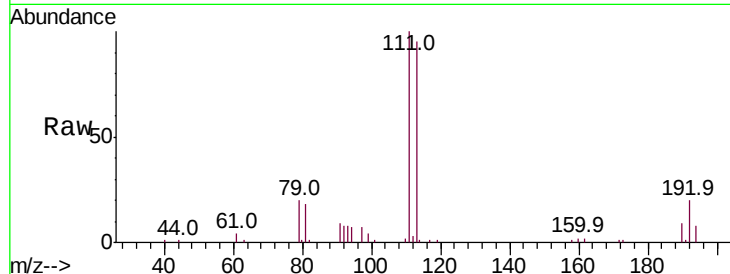
Tot Ion:113 Resp: 43118

Ion Ratio Lower Upper

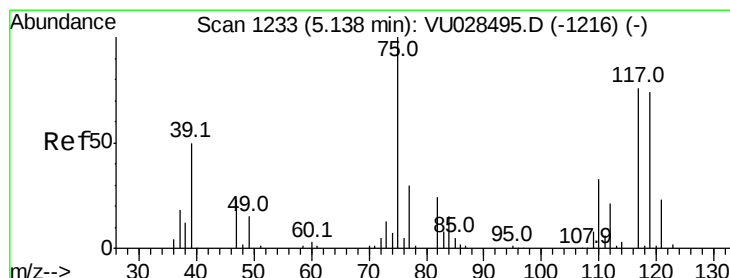
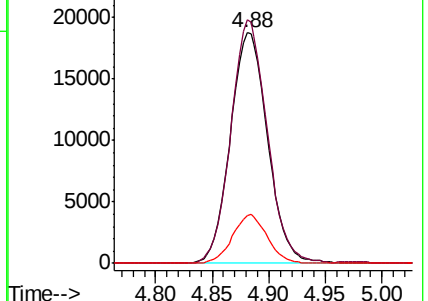
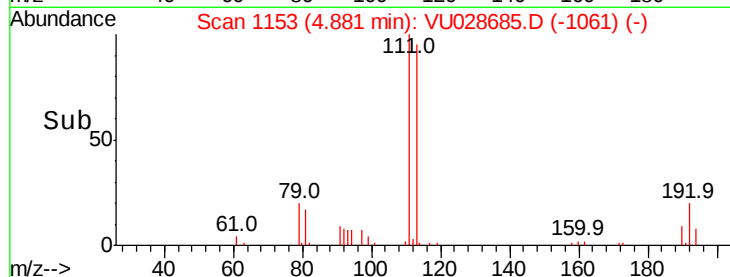
113 100

111 102.9 83.4 125.0

192 19.6 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: 19.207 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

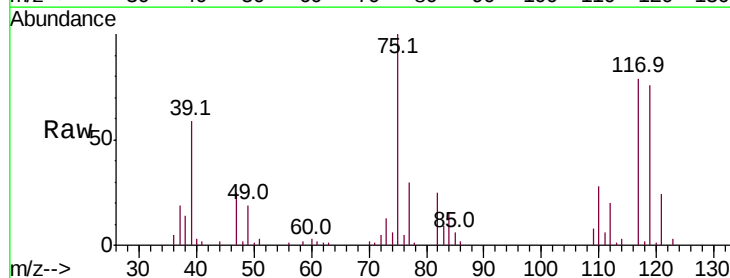
Tgt Ion: 75 Resp: 27273

Ion Ratio Lower Upper

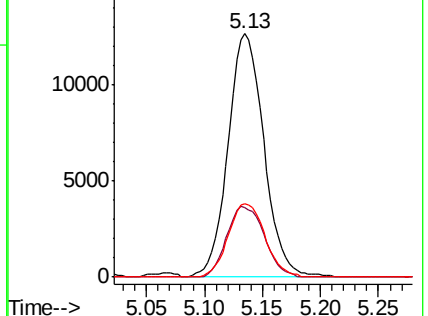
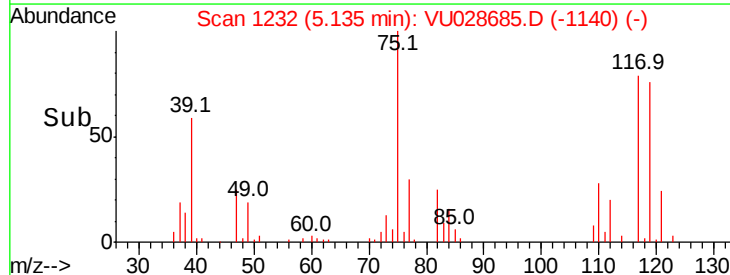
75 100

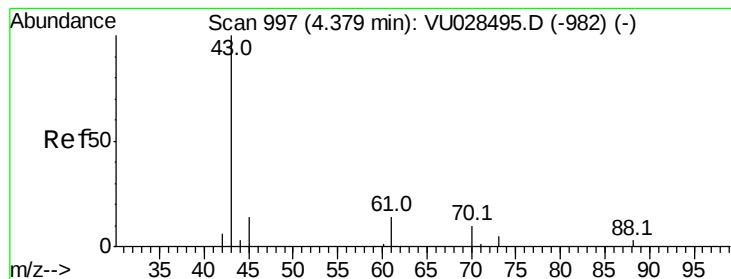
110 30.2 16.1 48.2

77 31.0 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: 20.822 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampled :

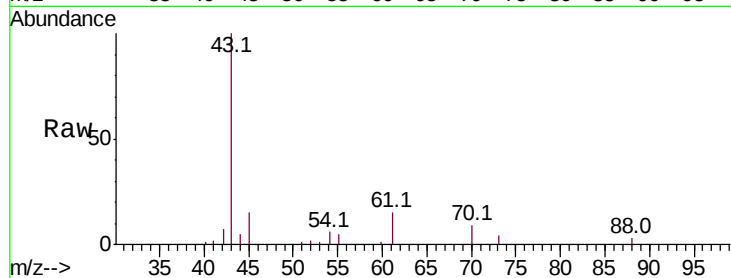
Tot Ion: 43 Resp: 38221

Ion Ratio Lower Upper

43 100

61 13.6 11.0 16.4

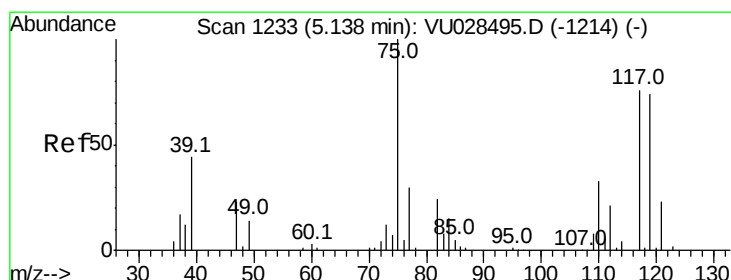
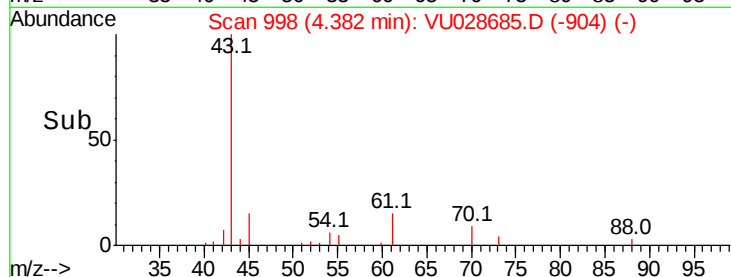
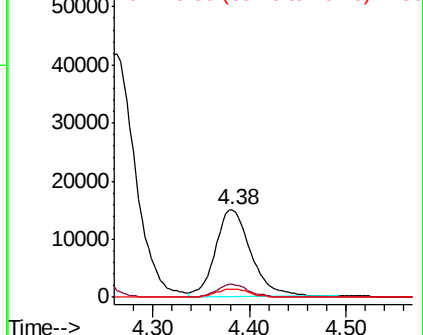
70 8.8 7.4 11.0



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: 20.107 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

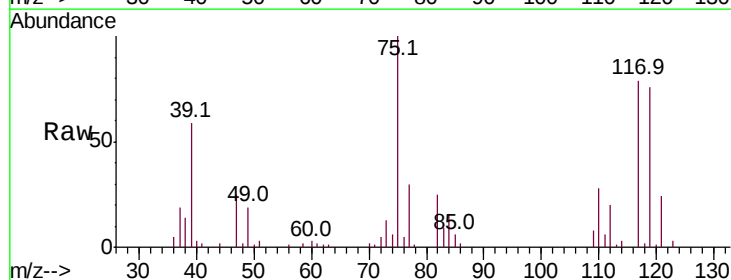
Tgt Ion: 117 Resp: 23012

Ion Ratio Lower Upper

117 100

119 95.6 77.6 116.4

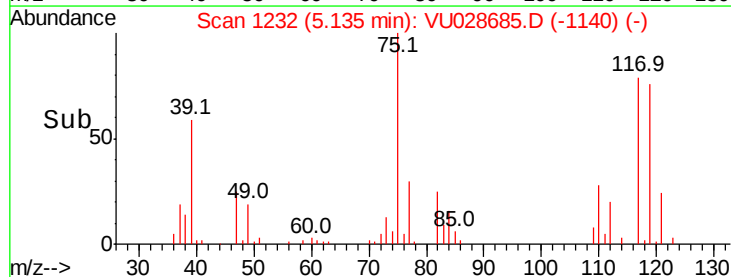
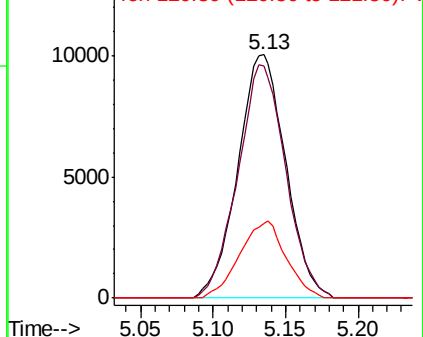
121 30.5 24.6 36.8

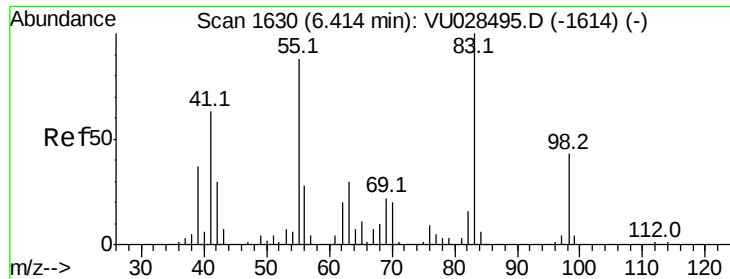


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

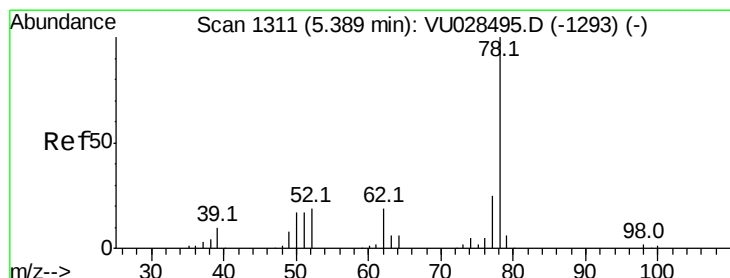
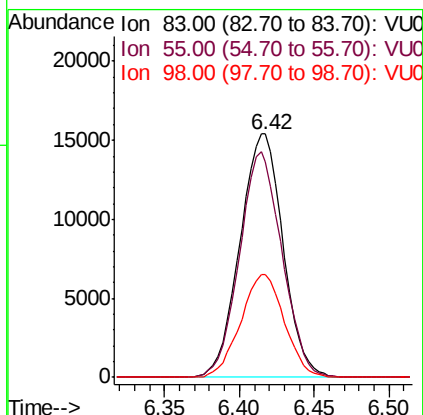
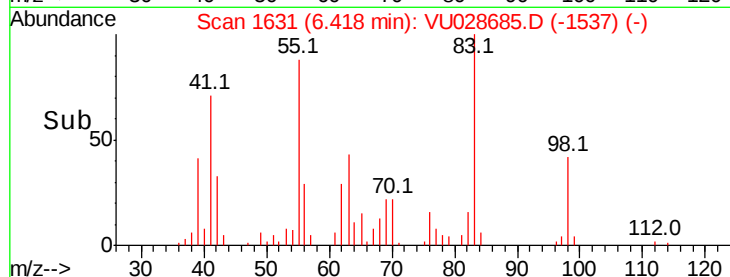
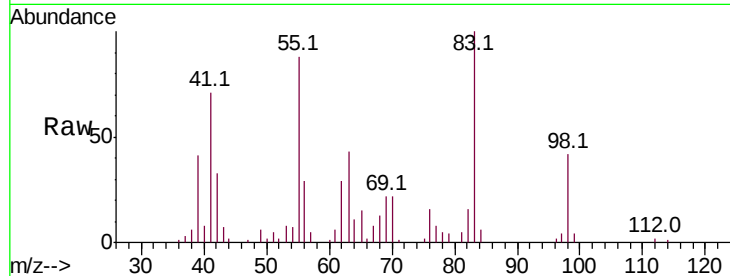




#39
Methvlcvclohexane
Concen: 17.804 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

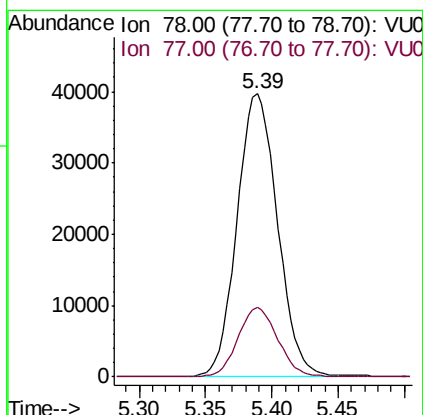
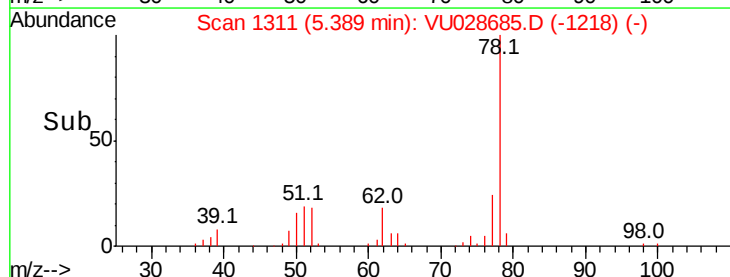
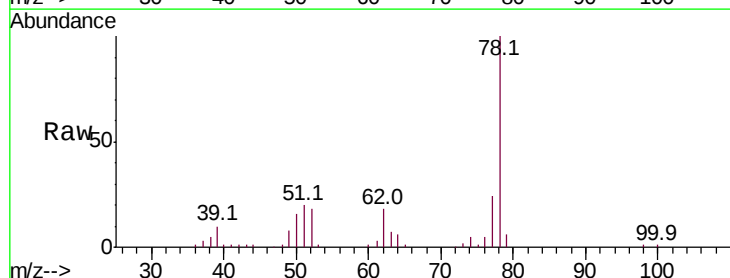
Instrument :
MSVOA_U
ClientSampleId :

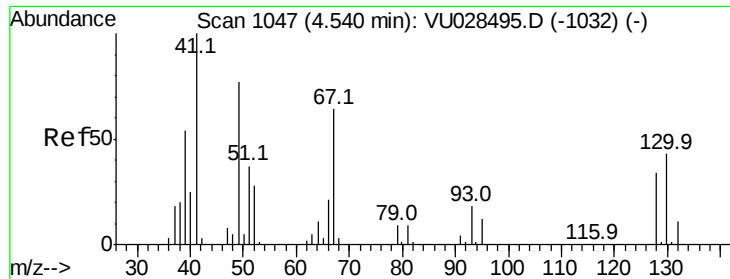
Tot Ion: 83 Resp: 30842
Ion Ratio Lower Upper
83 100
55 88.3 70.2 105.2
98 42.1 34.2 51.4



#40
Benzene
Concen: 20.154 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 78 Resp: 84288
Ion Ratio Lower Upper
78 100
77 24.5 19.9 29.9

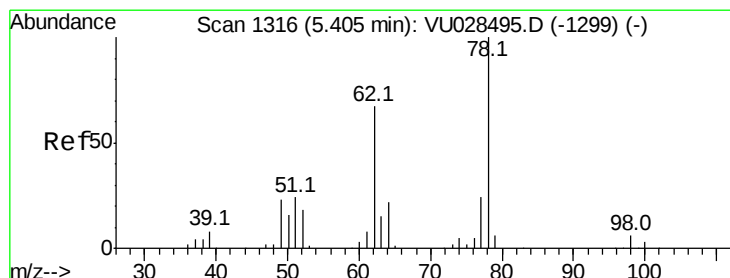
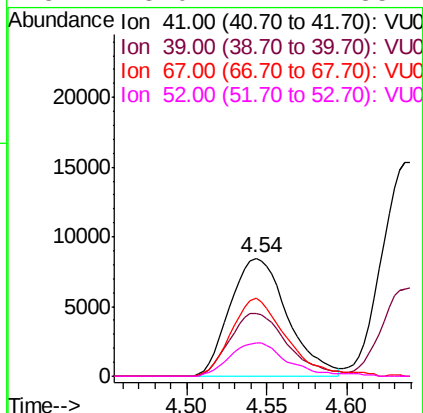
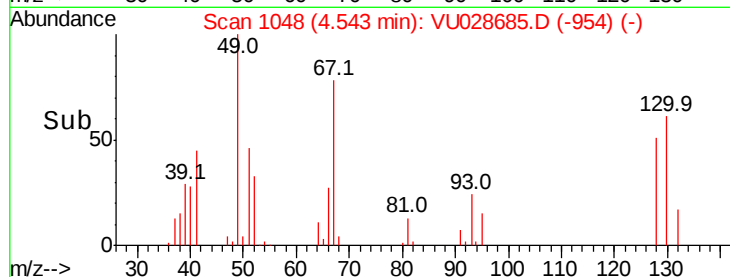
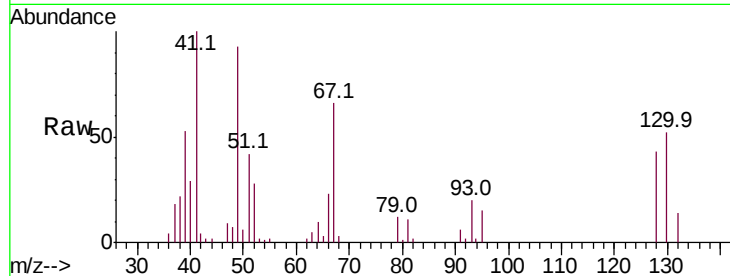




#41
Methacrylonitrile
Concen: 20.711 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

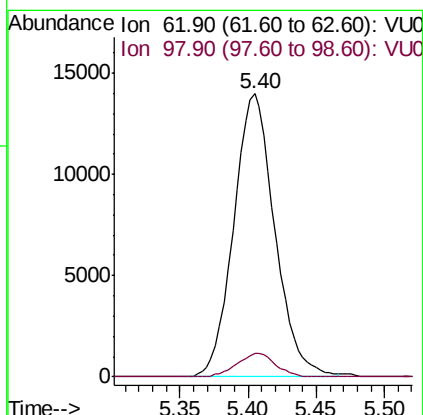
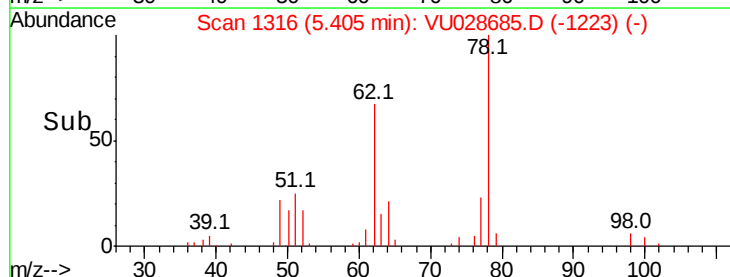
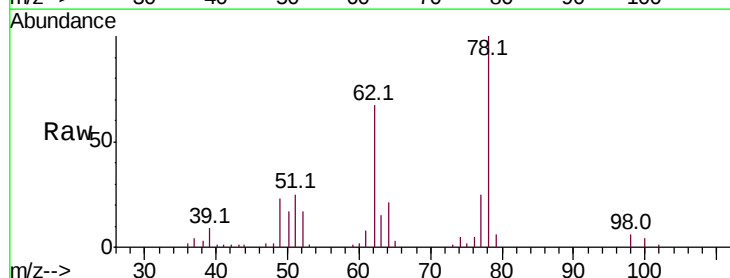
Instrument :
MSVOA_U
ClientSampled :

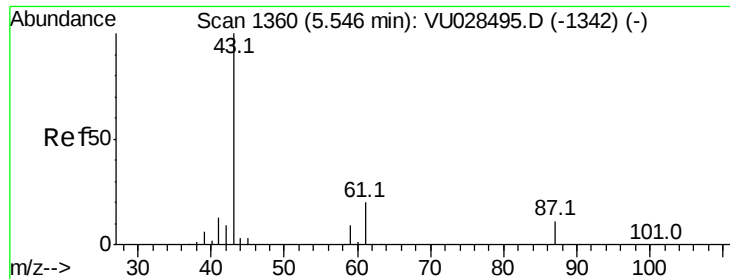
Tot Ion: 41 Resp: 20820
Ion Ratio Lower Upper
41 100
39 53.8 43.3 64.9
67 63.3 53.6 80.4
52 28.0 22.1 33.1



#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 62 Resp: 29243
Ion Ratio Lower Upper
62 100
98 7.8 0.0 17.2

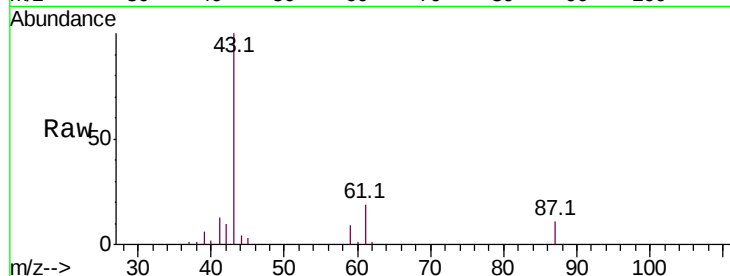




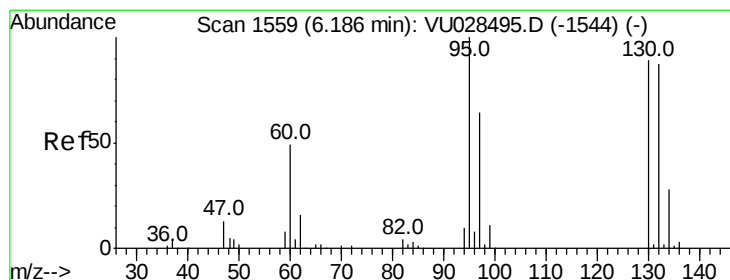
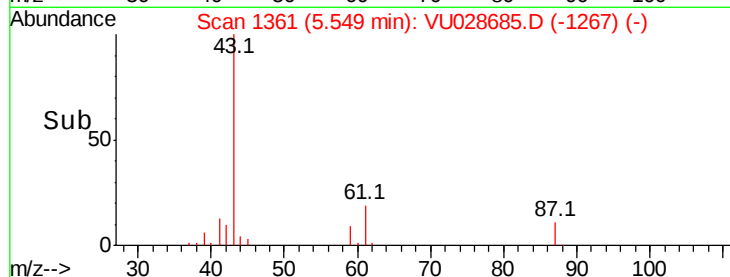
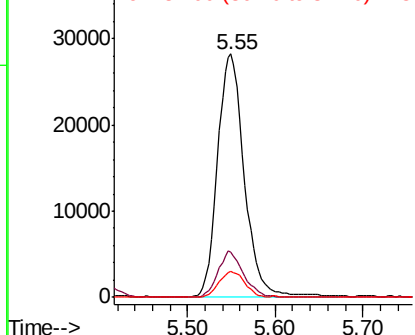
#43
Isopropyl Acetate
Concen: 20.767 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 60295
Ion Ratio Lower Upper
43 100
61 17.9 15.5 23.3
87 10.2 8.7 13.1

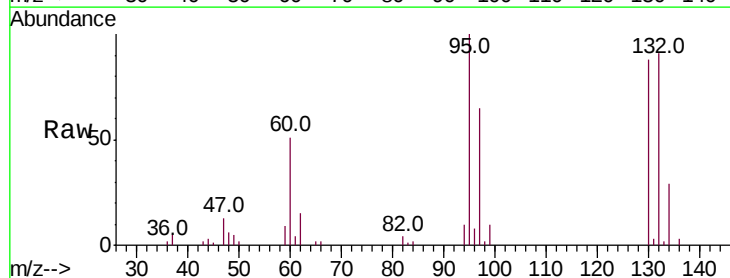


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

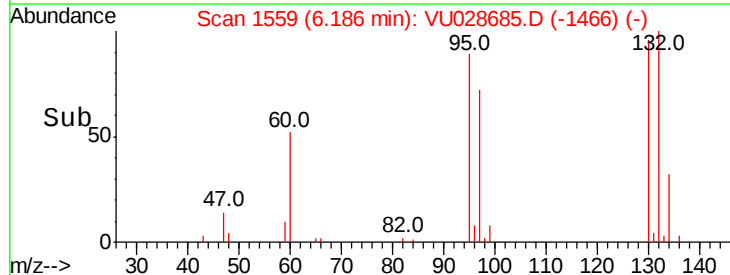
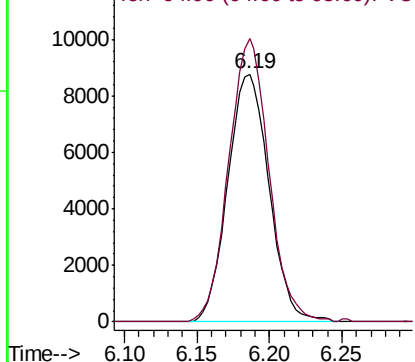


#44
Trichloroethene
Concen: 18.659 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:130 Resp: 17351
Ion Ratio Lower Upper
130 100
95 114.2 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: 20.656 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

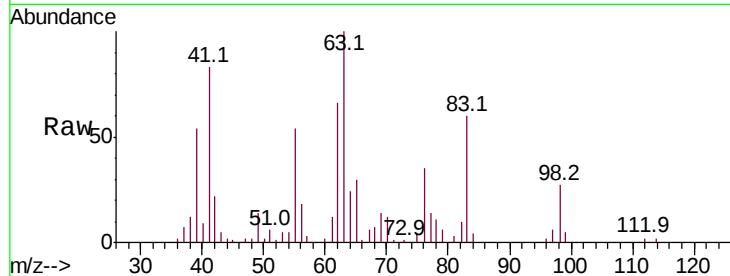
ClientSampleId :

Tot Ion: 63 Resp: 24293

Ion Ratio Lower Upper

63 100

65 29.7 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)

Ion 64.90 (64.60 to 65.60): VU028495.D (-1619) (-)

6.43

15000

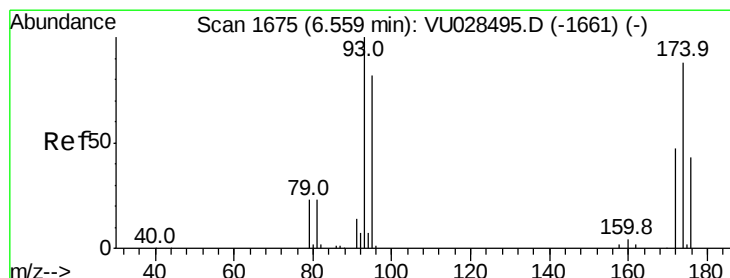
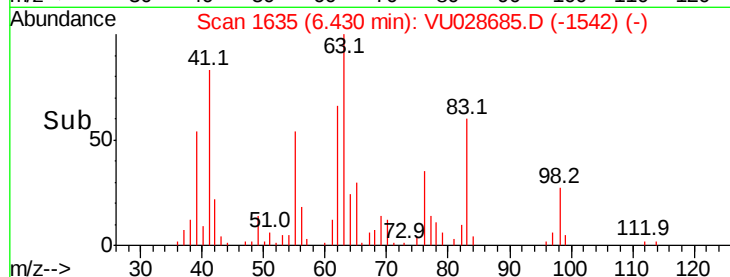
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 20.281 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

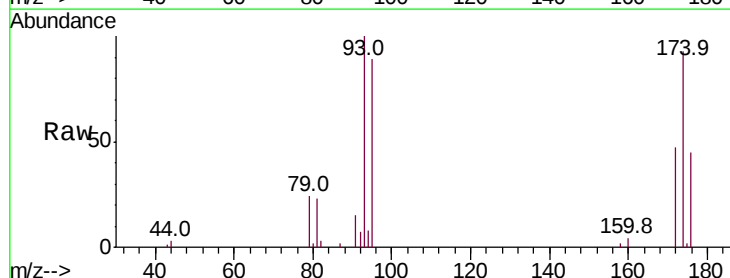
Tgt Ion: 93 Resp: 14152

Ion Ratio Lower Upper

93 100

95 87.8 65.4 98.2

174 90.2 72.2 108.4



Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

Ion 94.80 (94.50 to 95.50): VU028495.D (-1661) (-)

Ion 173.70 (173.40 to 174.40): VU028495.D (-1661) (-)

6.56

10000

8000

6000

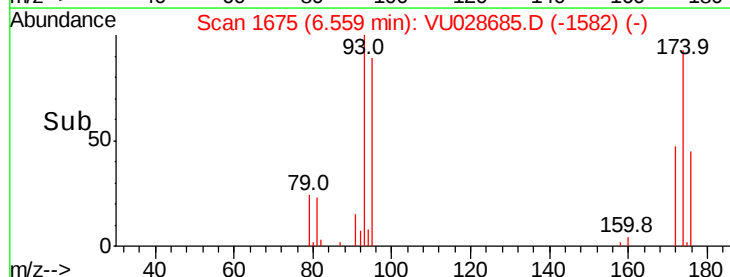
4000

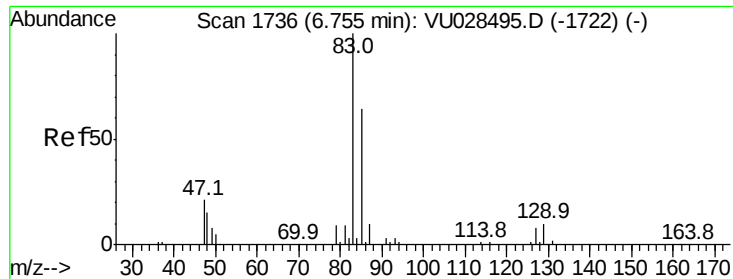
2000

0

6.50 6.55 6.60

Time-->





#47

Bromodichloromethane

Concen: 20.180 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

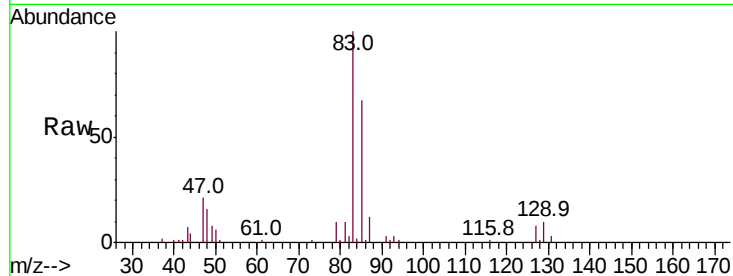
Tot Ion: 83 Resp: 27401

Ion Ratio Lower Upper

83 100

85 66.5 51.5 77.3

127 8.3 6.2 9.4

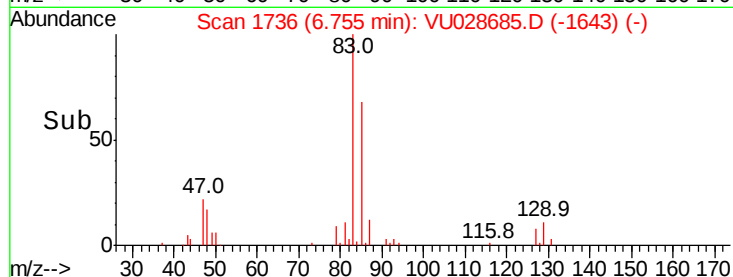


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)

Time-->



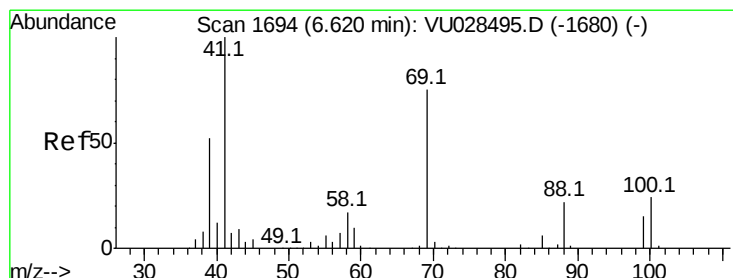
Abundance

Ion 82.90 (82.60 to 83.60): VU028685.D (-1643) (-)

Ion 84.90 (84.60 to 85.60): VU028685.D (-1643) (-)

Ion 126.80 (126.50 to 127.50): VU028685.D (-1643) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.097 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

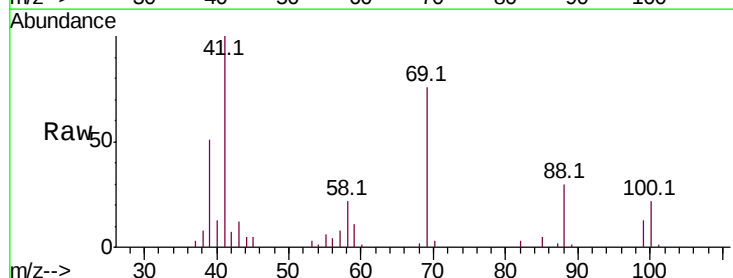
Tgt Ion: 41 Resp: 30461

Ion Ratio Lower Upper

41 100

69 72.1 60.4 90.6

39 48.8 41.1 61.7

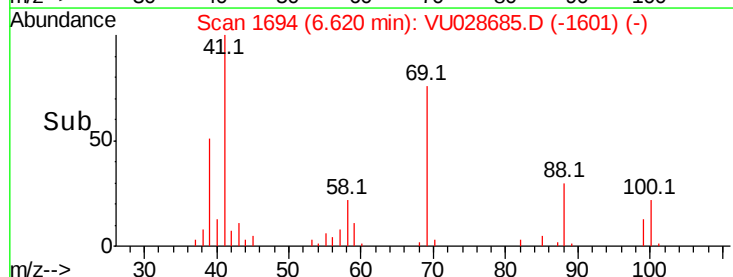


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

Time-->



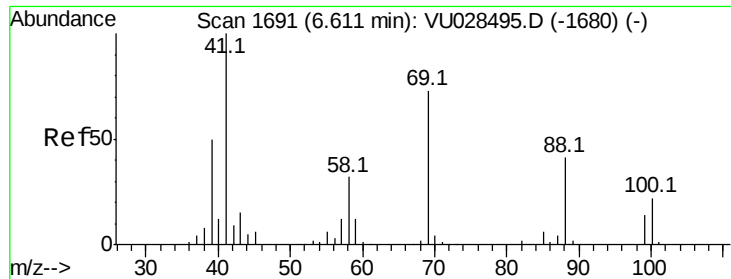
Abundance

Ion 41.00 (40.70 to 41.70): VU028685.D (-1601) (-)

Ion 69.00 (68.70 to 69.70): VU028685.D (-1601) (-)

Ion 39.00 (38.70 to 39.70): VU028685.D (-1601) (-)

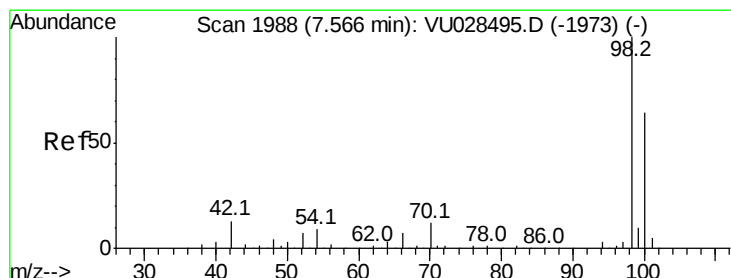
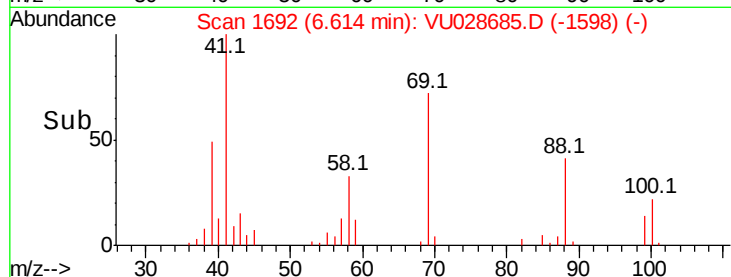
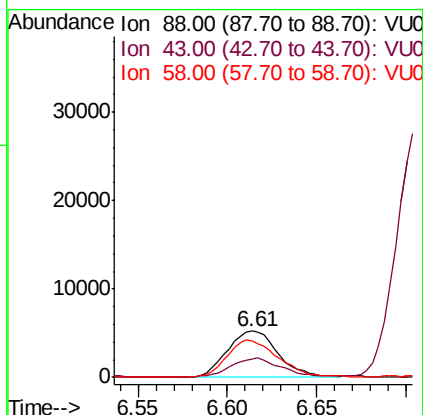
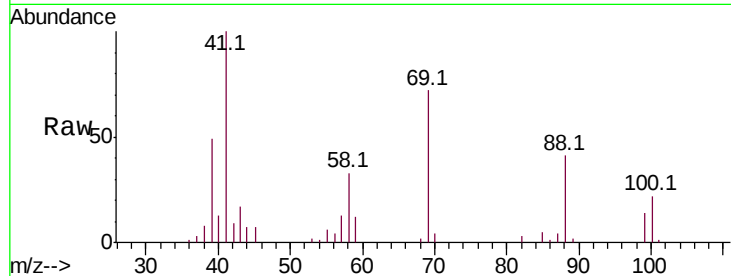
Time-->



#49
1,4-Dioxane
Concen: 458.020 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

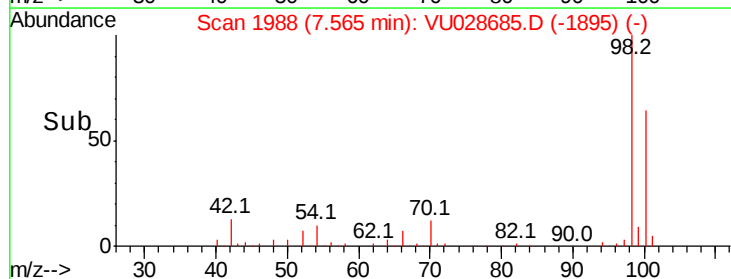
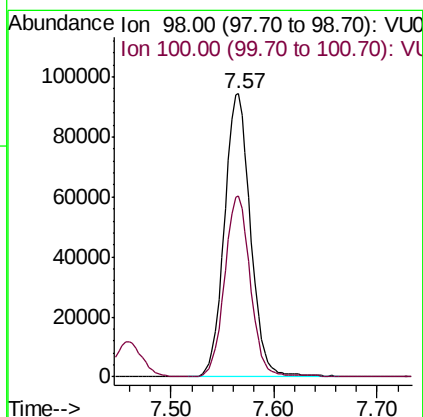
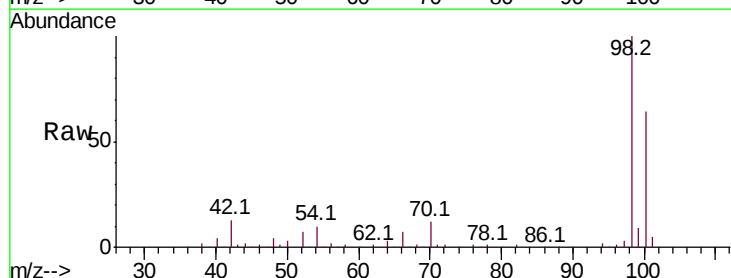
Instrument :
MSVOA_U
ClientSampleId :

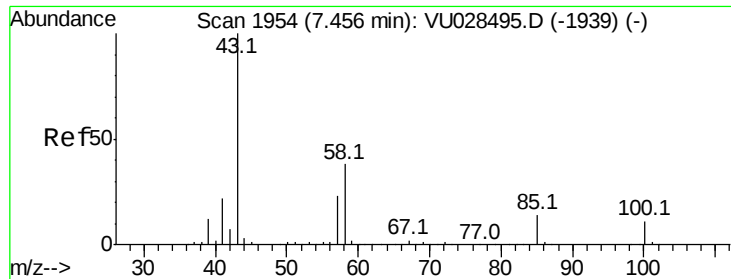
Tot Ion: 88 Resp: 10442
Ion Ratio Lower Upper
88 100
43 42.2 30.9 46.3
58 81.2 62.4 93.6



#50
Toluene-d8
Concen: 51.528 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 98 Resp: 166454
Ion Ratio Lower Upper
98 100
100 62.4 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 105.355 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

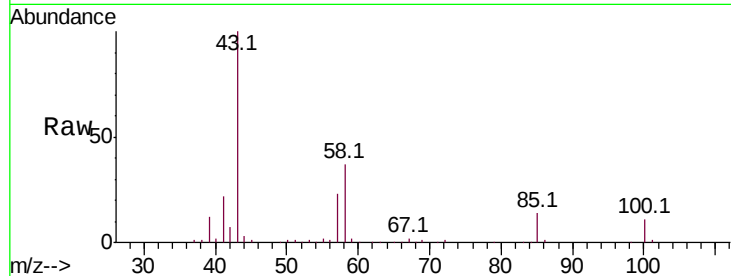
ClientSampleId :

Tot Ion: 43 Resp: 192926

Ion Ratio Lower Upper

43 100

58 36.3 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

120000

100000

80000

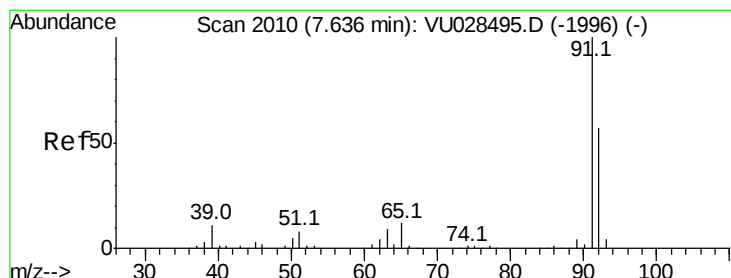
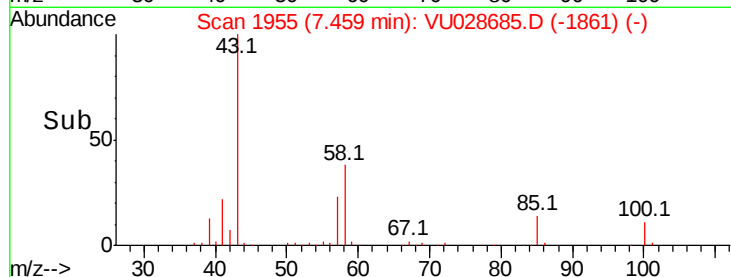
60000

40000

20000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 19.700 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028685.D

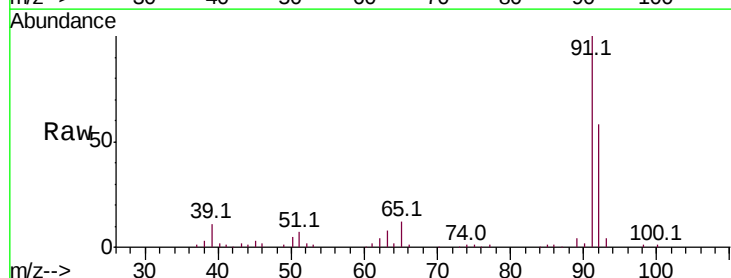
Acq: 14 Dec 2018 16:03

Tgt Ion: 92 Resp: 48487

Ion Ratio Lower Upper

92 100

91 173.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

50000

40000

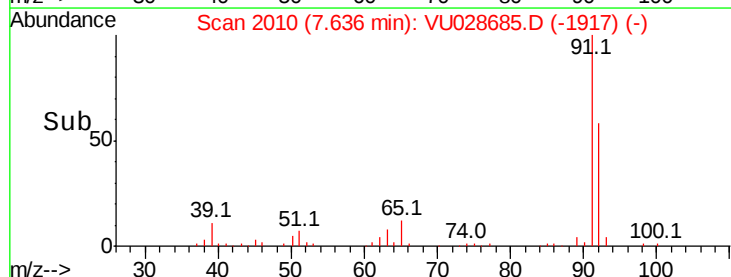
30000

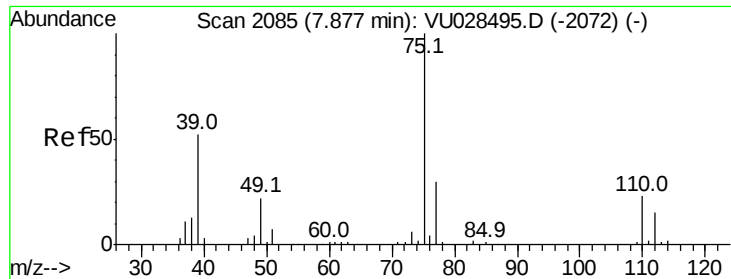
20000

10000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#53

t-1,3-Dichloropropene

Concen: 19.517 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

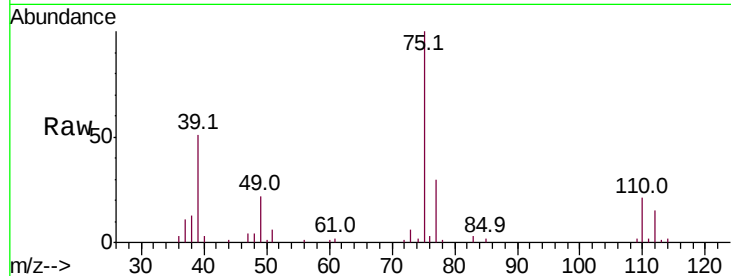
ClientSampleId :

Tot Ion: 75 Resp: 31563

Ion Ratio Lower Upper

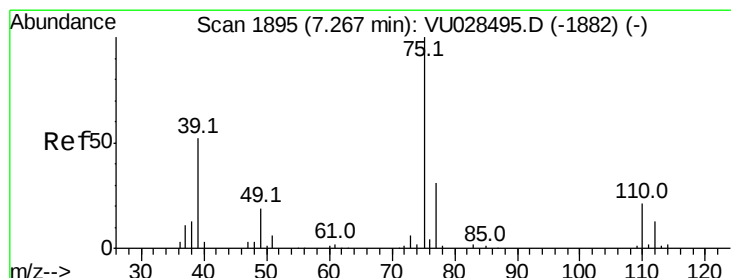
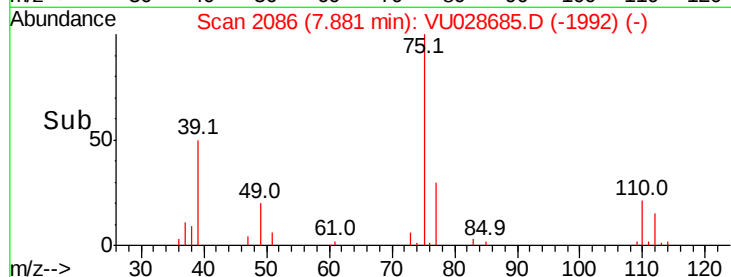
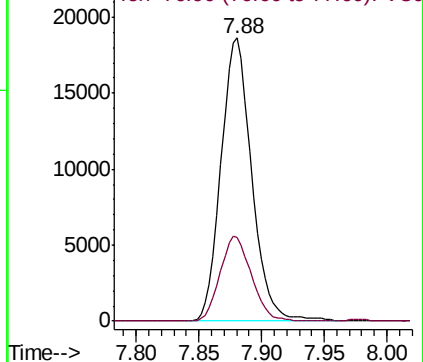
75 100

77 29.8 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.457 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

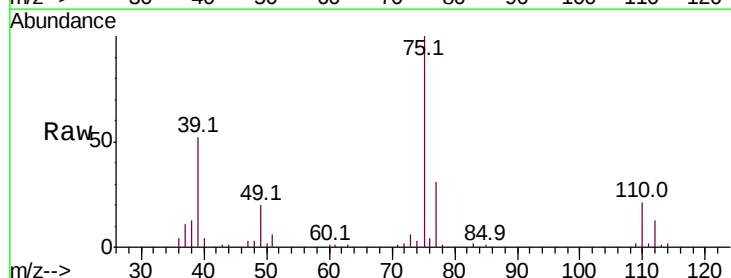
Tgt Ion: 75 Resp: 34138

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

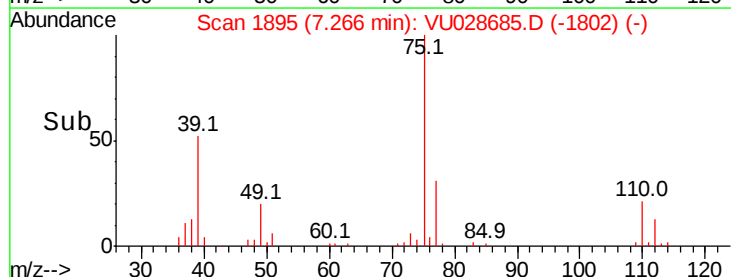
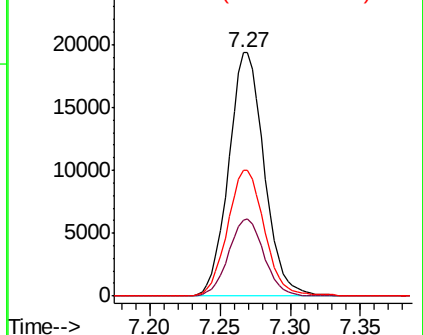
39 51.8 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

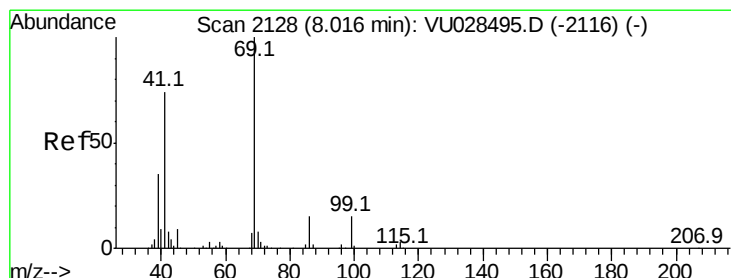
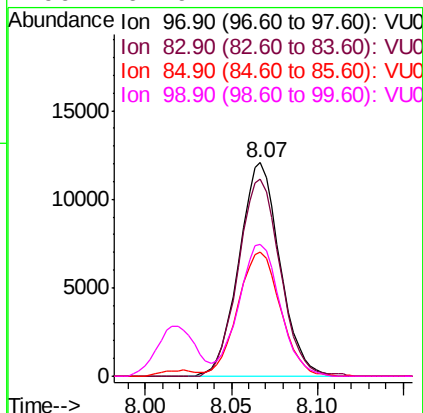
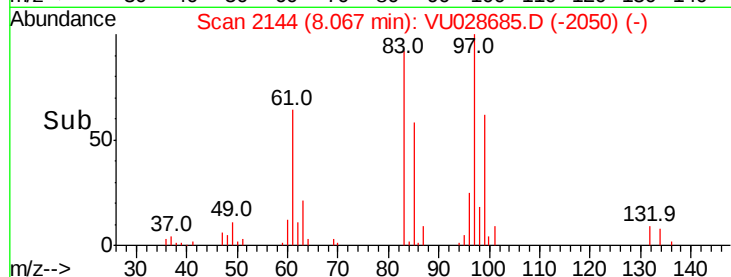
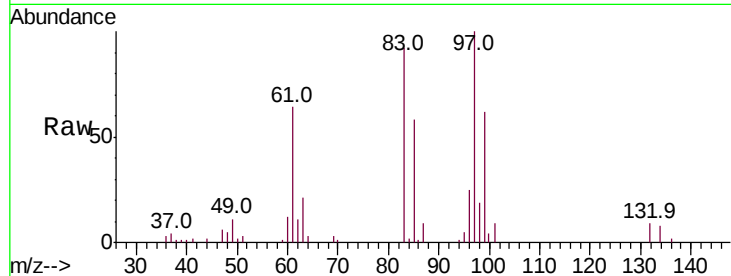




#55
 1,1,2-Trichloroethane
 Concen: 20.507 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

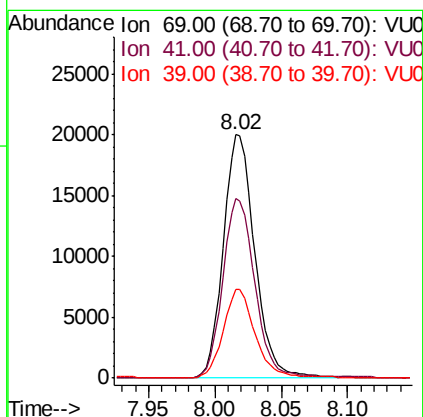
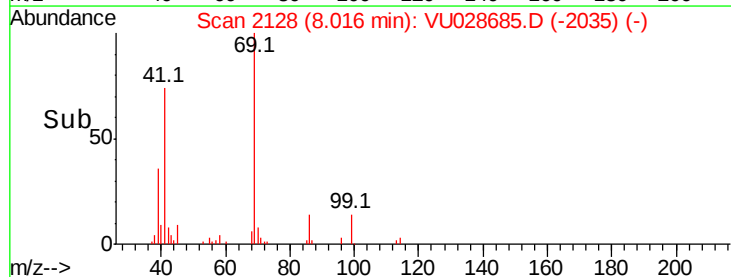
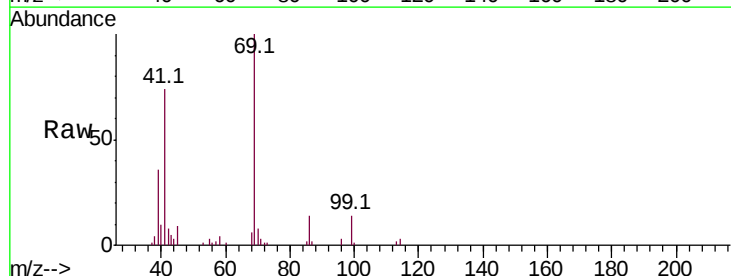
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	19952
Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.4	108.6
85	58.4	46.0	69.0
99	61.9	47.4	71.2



#56
 Ethyl methacrylate
 Concen: 19.818 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion:	69	Resp:	33019
Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.1	88.7
39	36.6	28.4	42.6





#57

1,3-Dichloropropane

Concen: 19.798 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

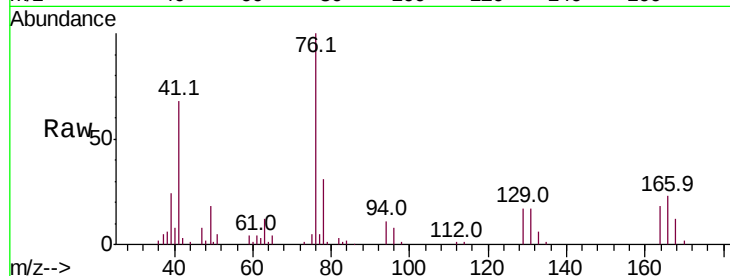
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 35756

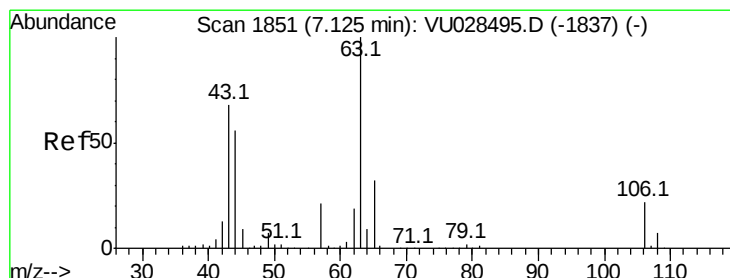
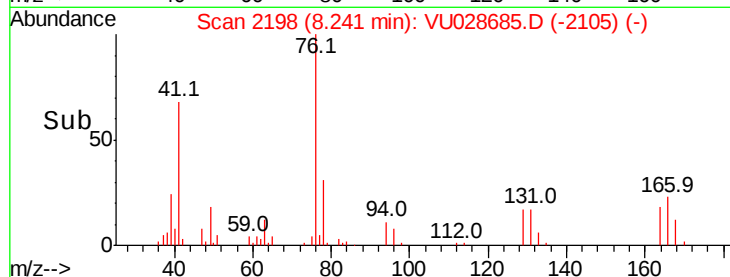
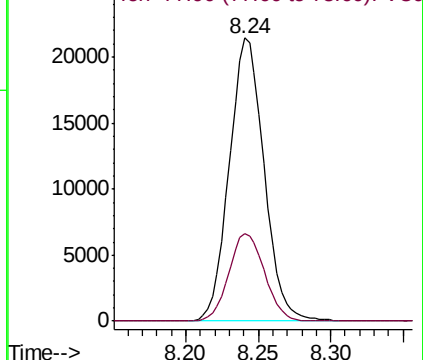
Ion Ratio Lower Upper

76 100

78 31.6 25.2 37.8



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



#58

2-Chloroethyl Vinyl ether

Concen: 98.584 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028685.D

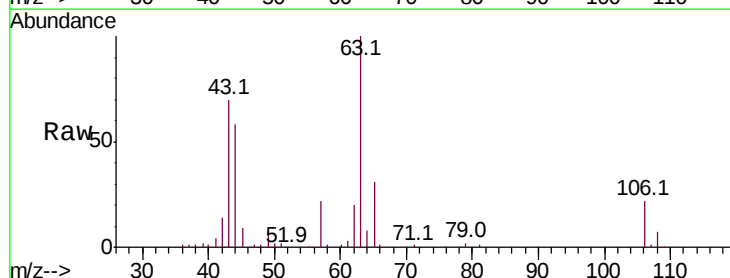
Acq: 14 Dec 2018 16:03

Tgt Ion: 63 Resp: 84129

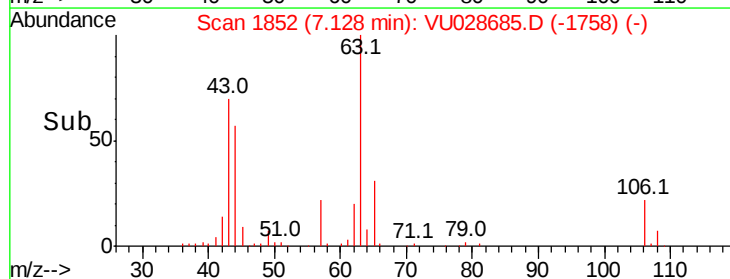
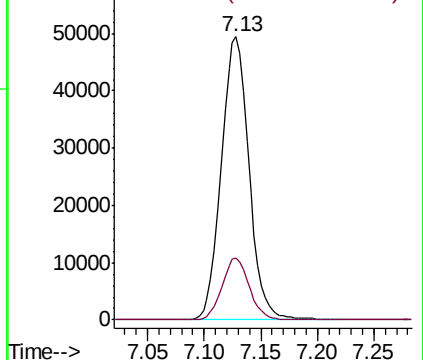
Ion Ratio Lower Upper

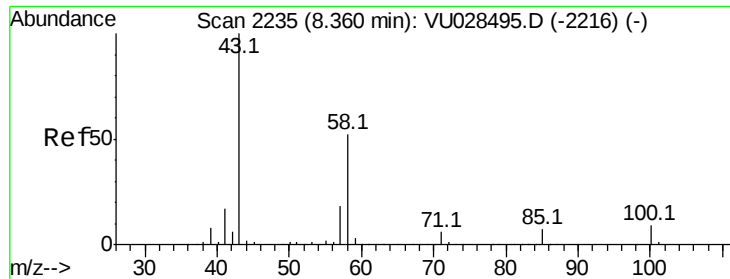
63 100

106 21.5 17.8 26.6



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

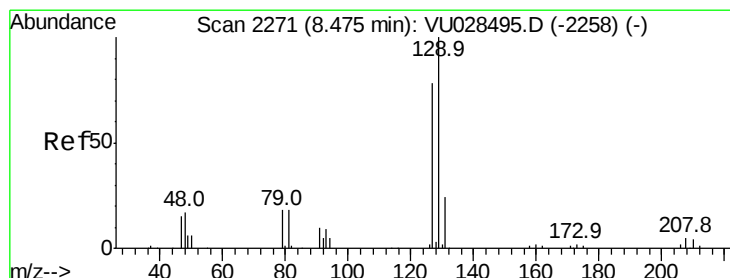
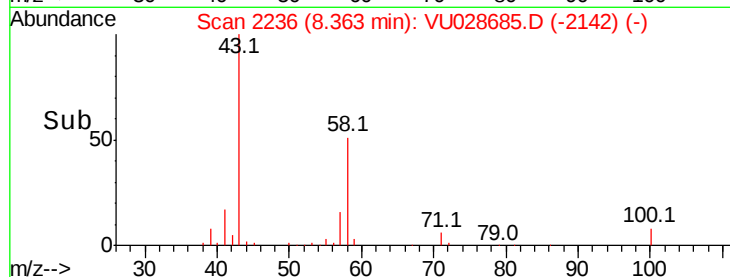
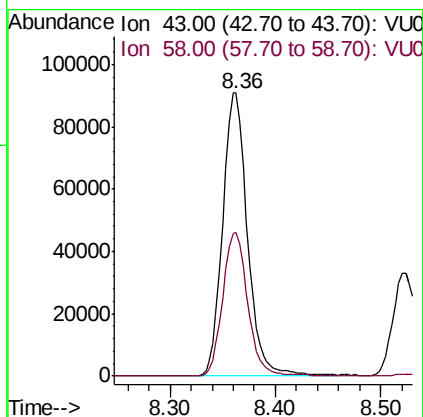
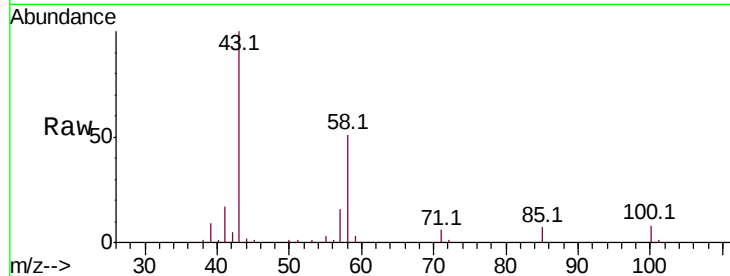




#59
2-Hexanone
Concen: 102.081 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

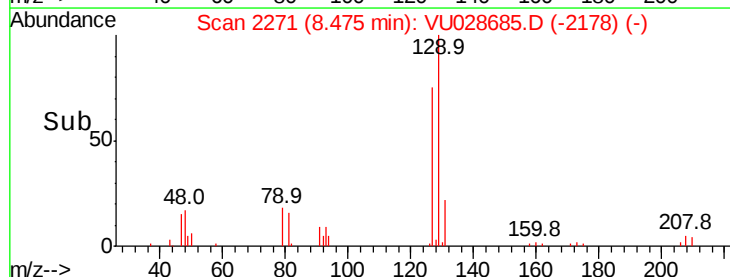
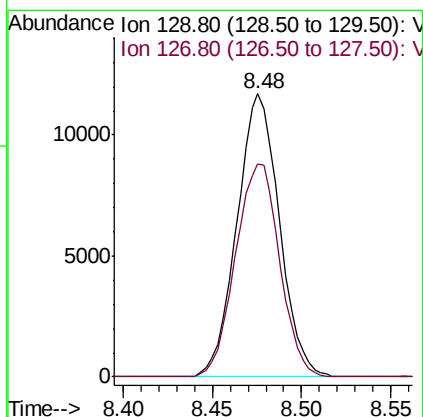
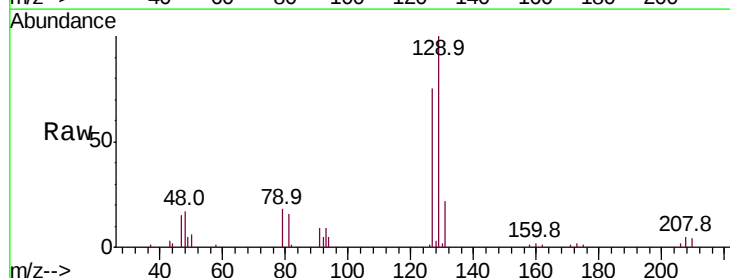
Instrument :
MSVOA_U
ClientSampled :

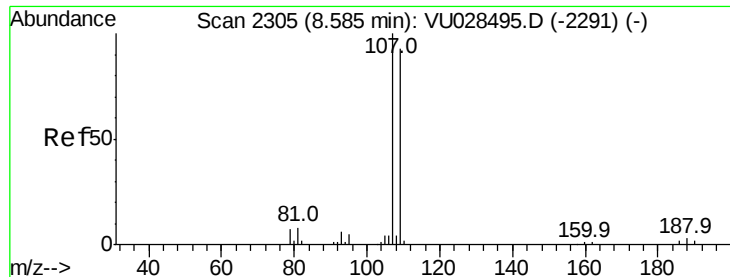
Tot Ion: 43 Resp: 148163
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.6



#60
Dibromochloromethane
Concen: 20.354 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:129 Resp: 19388
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.619 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

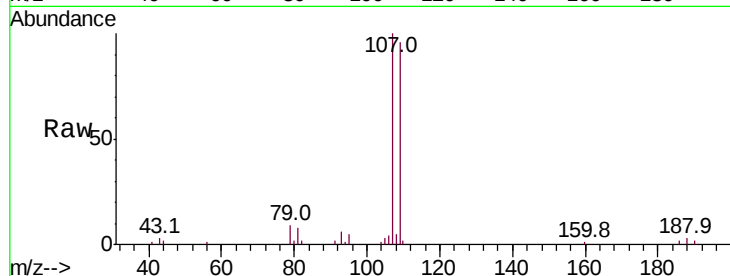
ClientSampled :

Tot Ion:107 Resp: 20017

Ion Ratio Lower Upper

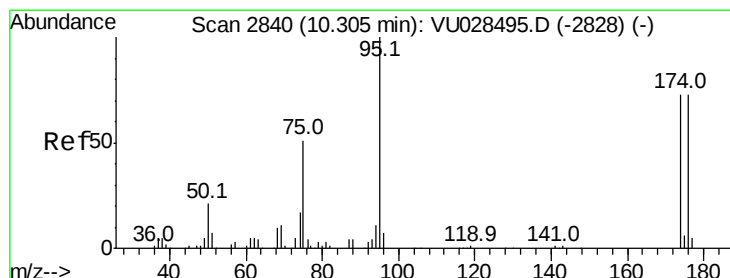
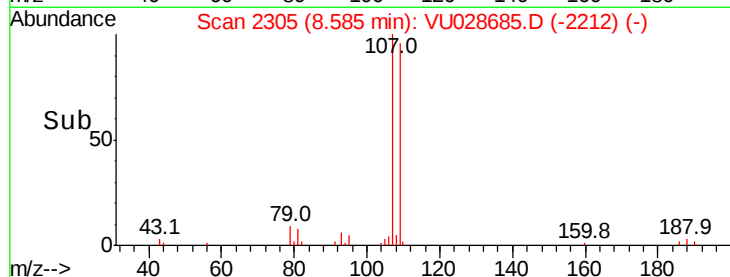
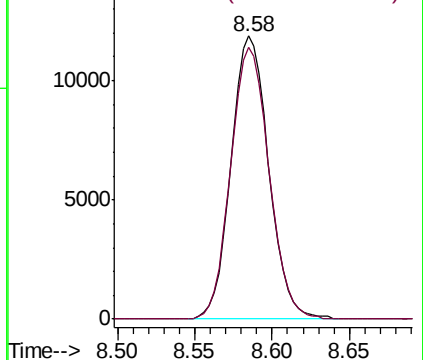
107 100

109 97.9 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: 48.892 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

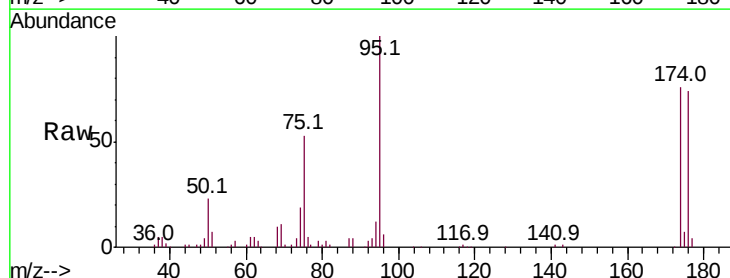
Tgt Ion: 95 Resp: 59032

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

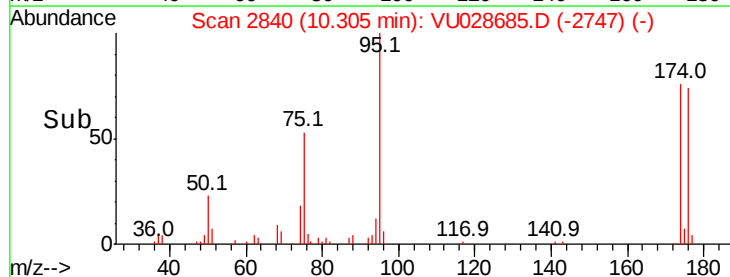
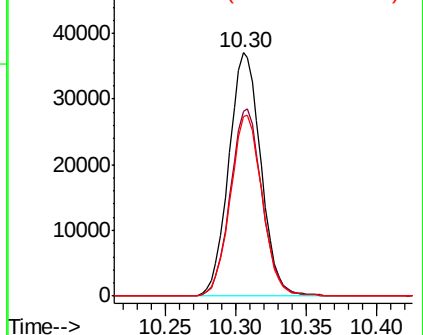
176 73.9 0.0 145.2

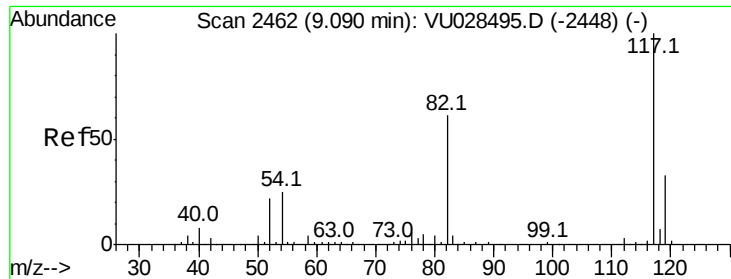


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

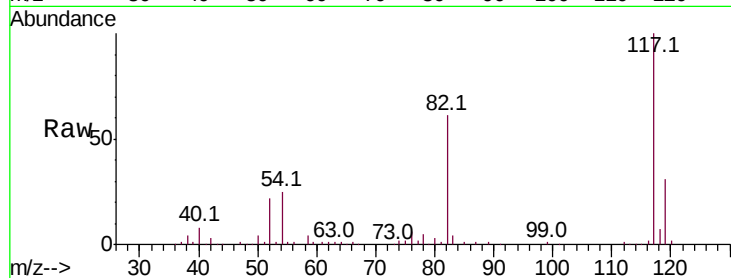




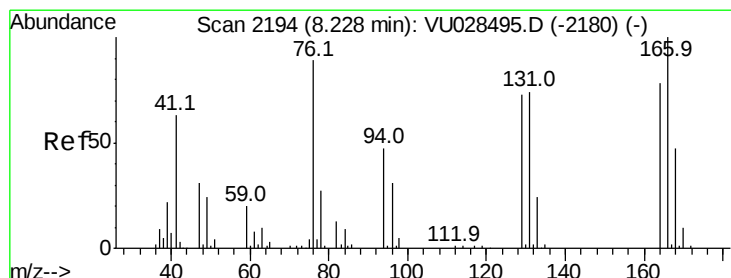
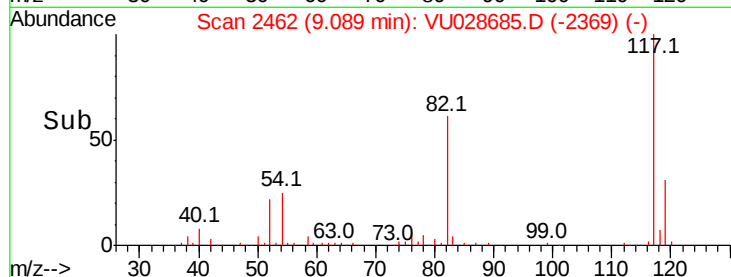
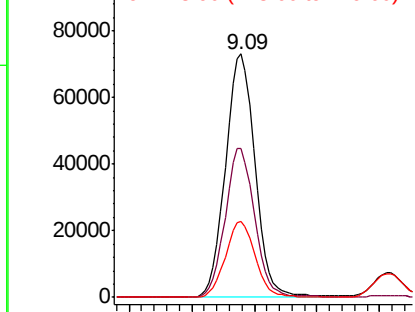
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 119609
Ion Ratio Lower Upper
117 100
82 61.1 48.9 73.3
119 31.4 26.2 39.4

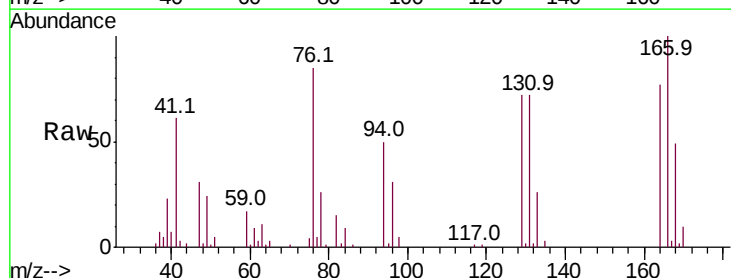


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

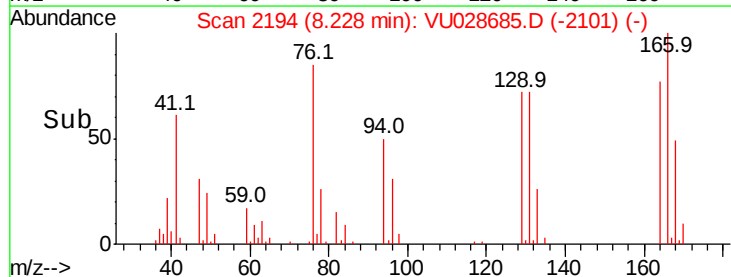
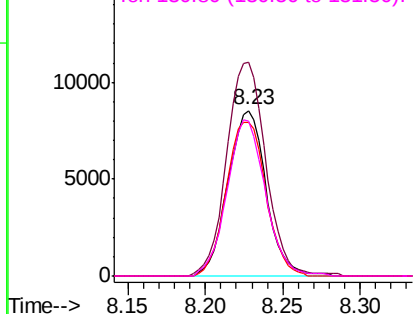


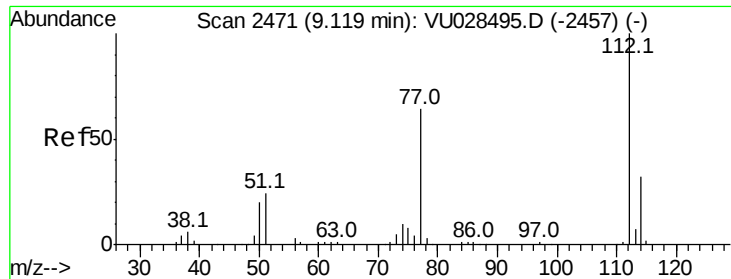
#64
Tetrachloroethene
Concen: 18.331 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:164 Resp: 14625
Ion Ratio Lower Upper
164 100
166 129.2 101.9 152.9
129 93.2 74.9 112.3
131 93.4 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

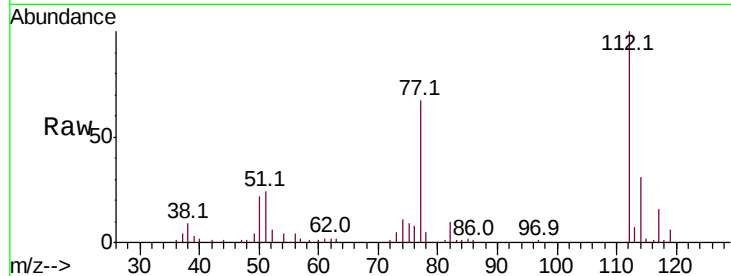




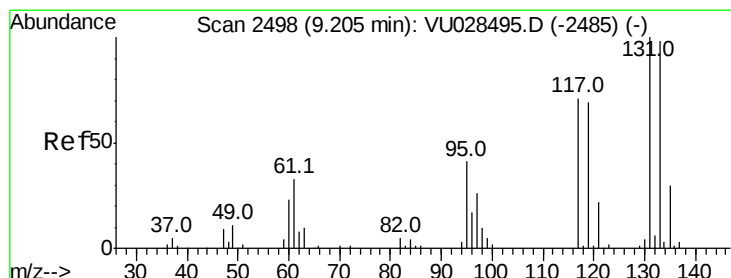
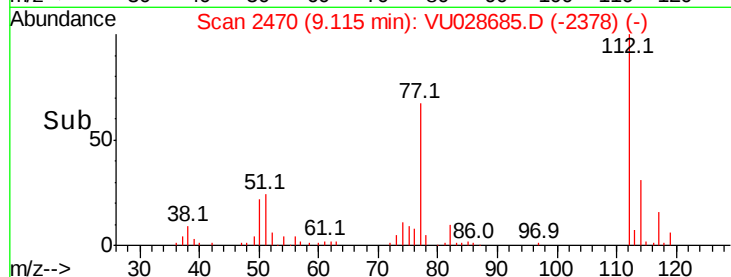
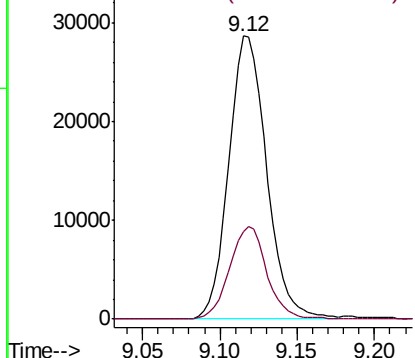
#65
Chlorobenzene
Concen: 19.099 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 48678
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9

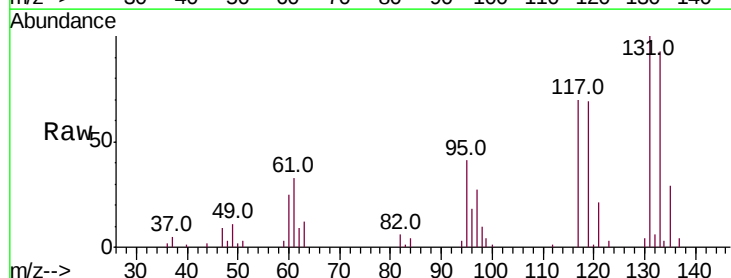


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

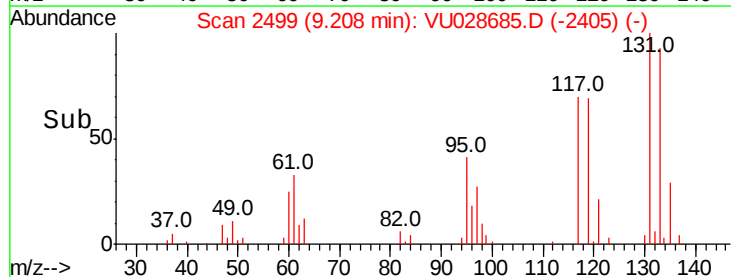
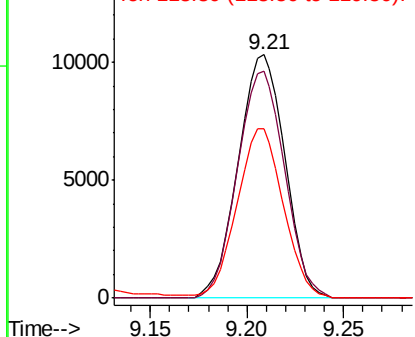


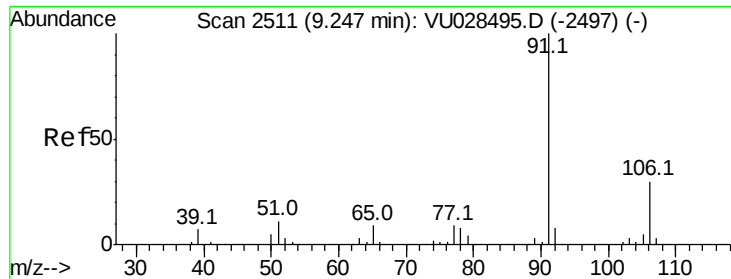
#66
1,1,1,2-Tetrachloroethane
Concen: 21.307 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:131 Resp: 17342
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 69.2 34.6 103.9



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

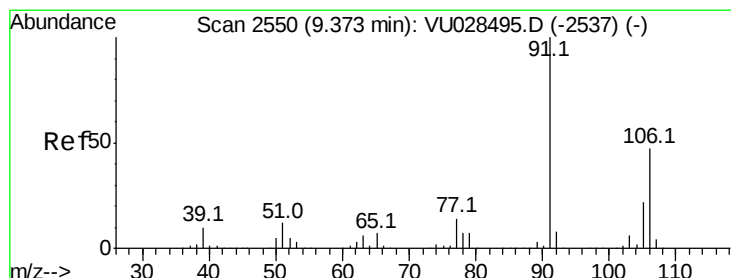
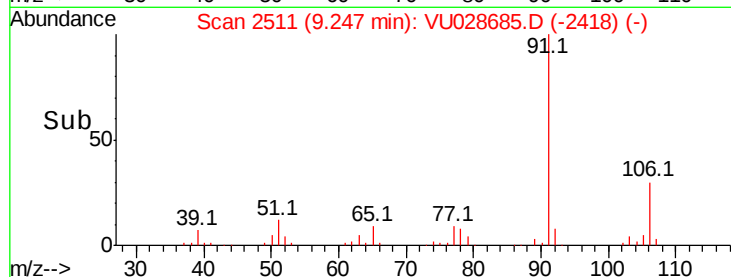
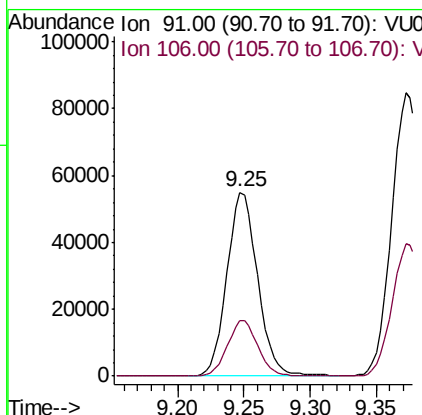
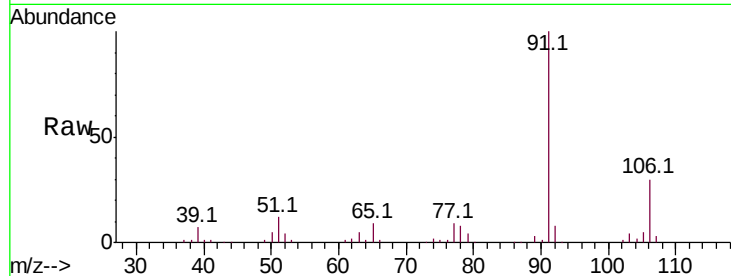




#67
Ethyl Benzene
Concen: 18.969 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

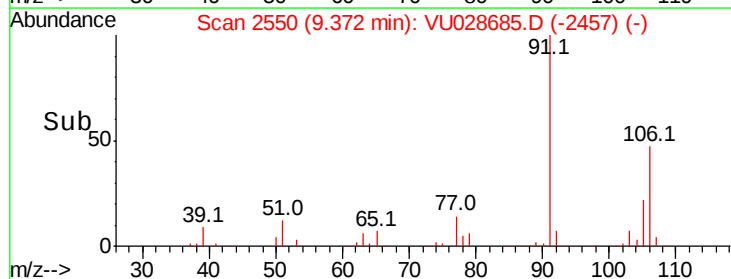
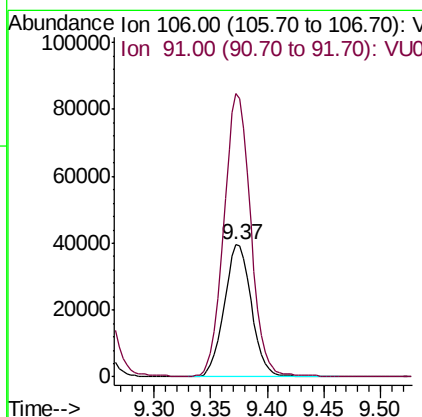
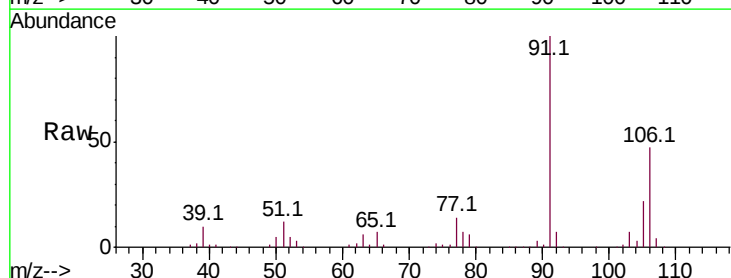
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 88879
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 38.964 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 106 Resp: 66430
Ion Ratio Lower Upper
106 100
91 210.0 167.4 251.0

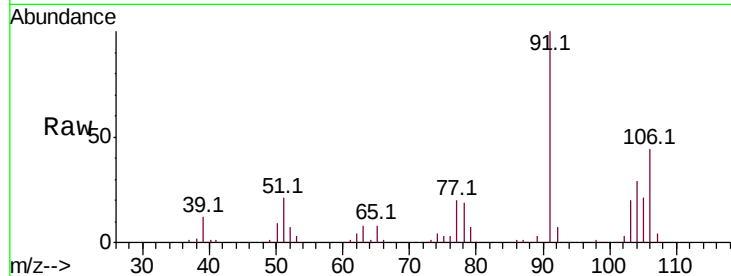




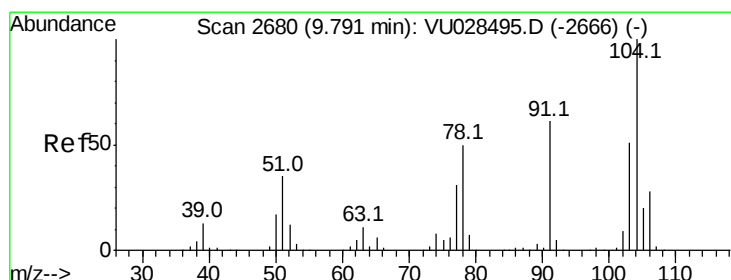
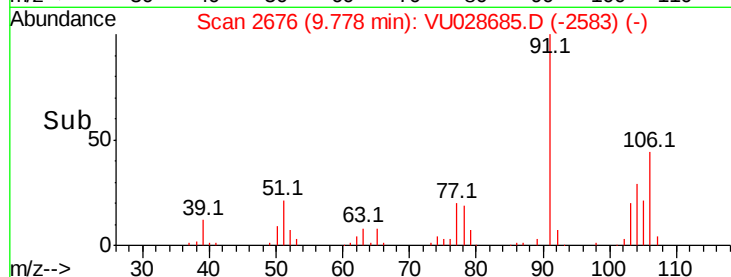
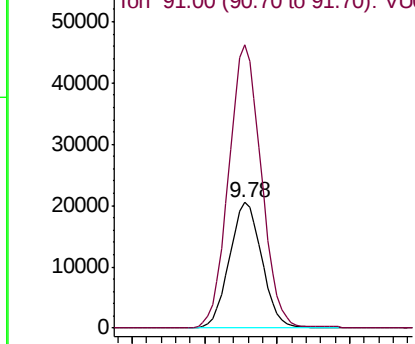
#69
o-Xylene
Concen: 19.318 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 32006
Ion Ratio Lower Upper
106 100
91 225.6 111.3 334.0

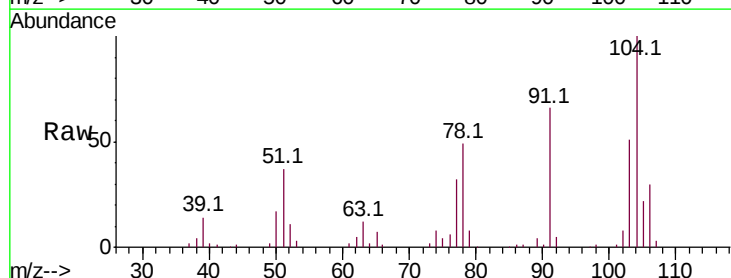


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

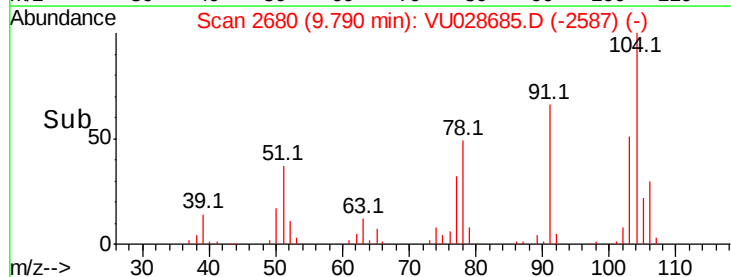
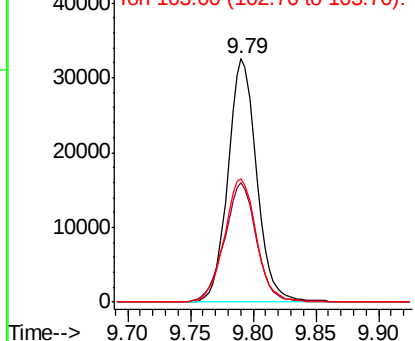


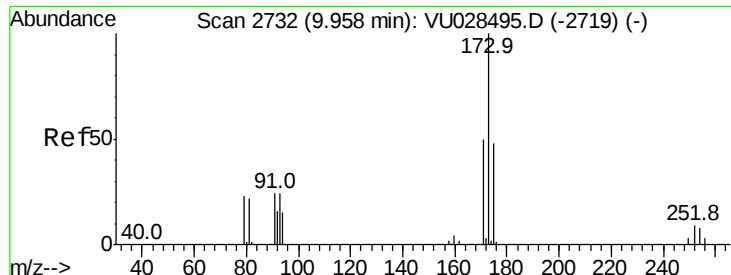
#70
Styrene
Concen: 18.879 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:104 Resp: 51765
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.6
103 56.3 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: 20.970 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :

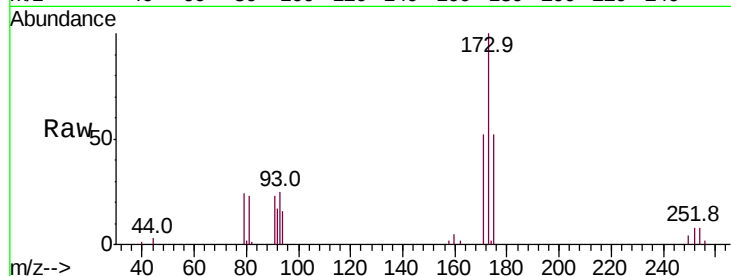
Tot Ion:173 Resp: 14519

Ion Ratio Lower Upper

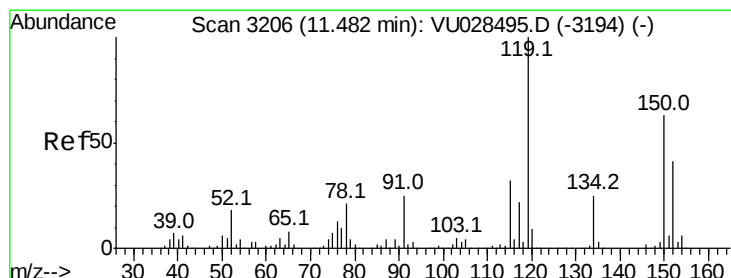
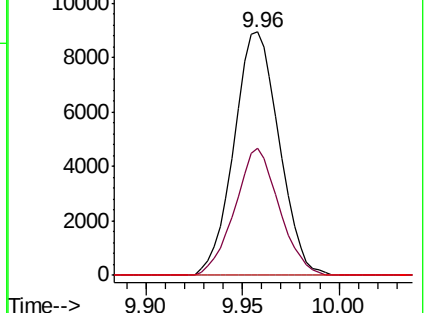
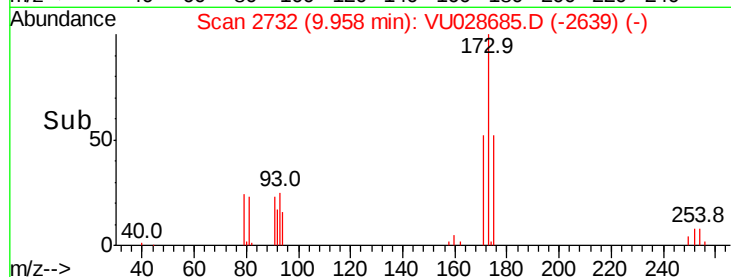
173 100

175 51.2 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: VU028685.D

Acq: 14 Dec 2018 16:03

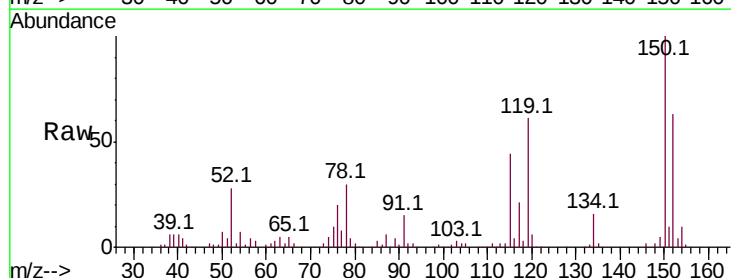
Tgt Ion:152 Resp: 56259

Ion Ratio Lower Upper

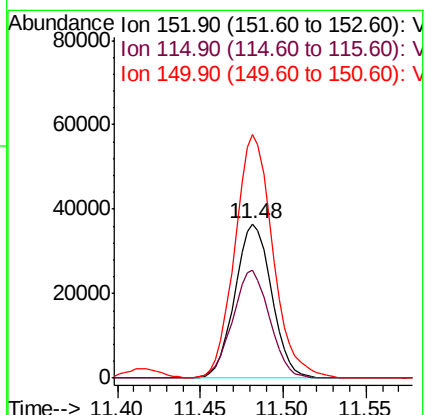
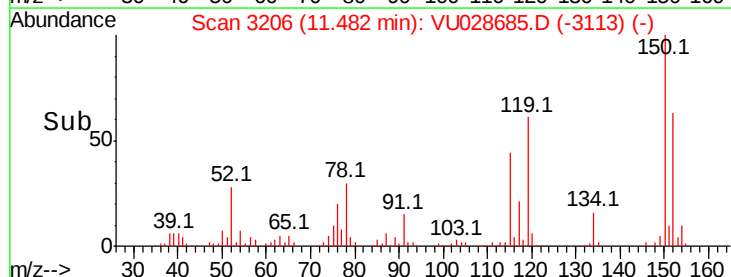
152 100

115 70.7 42.7 128.1

150 163.7 0.0 346.0



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





#73

Isopropylbenzene

Concen: 19.791 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

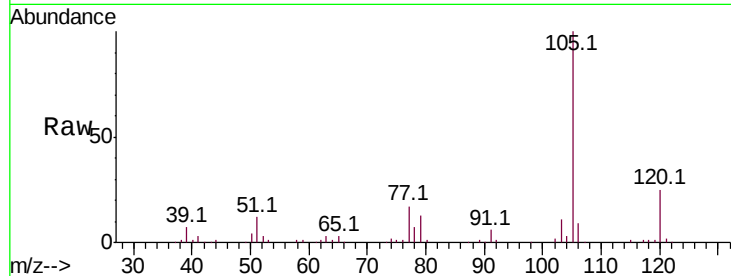
ClientSampled :

Tot Ion:105 Resp: 85438

Ion Ratio Lower Upper

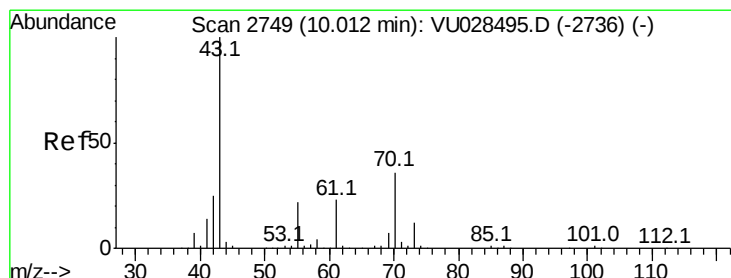
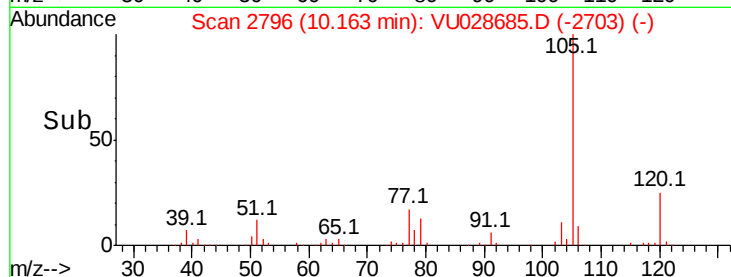
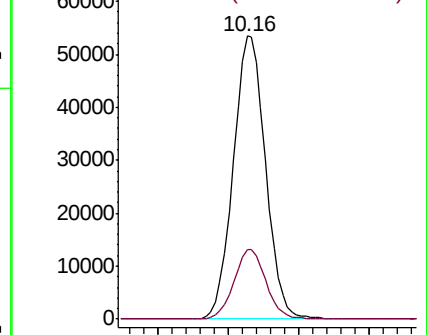
105 100

120 24.5 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: 20.467 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion: 43 Resp: 50966

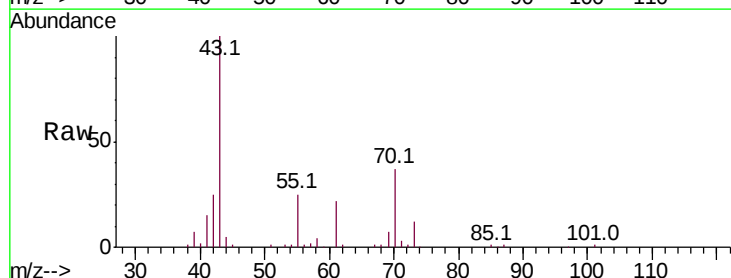
Ion Ratio Lower Upper

43 100

70 35.4 29.3 43.9

55 23.5 18.0 27.0

61 22.1 18.3 27.5

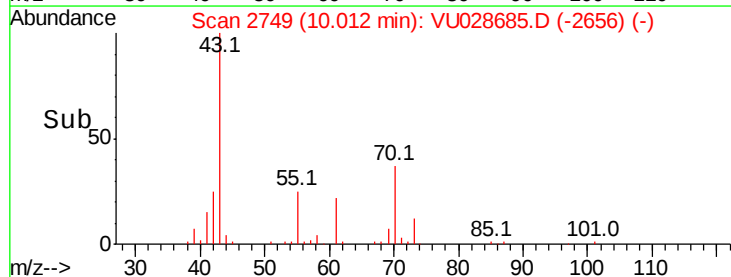
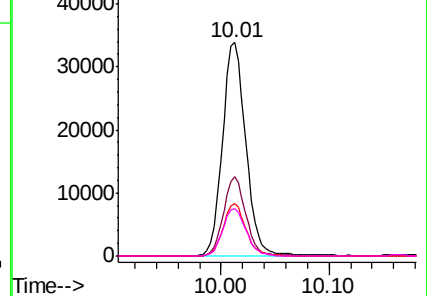


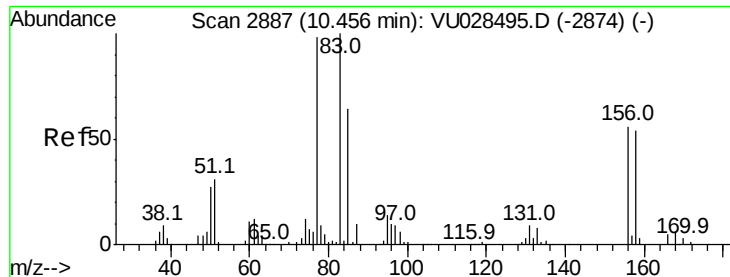
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 22.015 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampled :

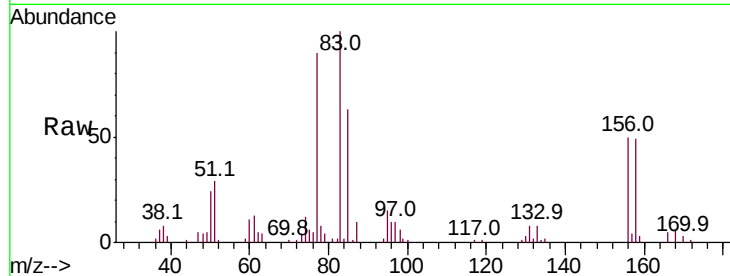
Tot Ion: 83 Resp: 36508

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

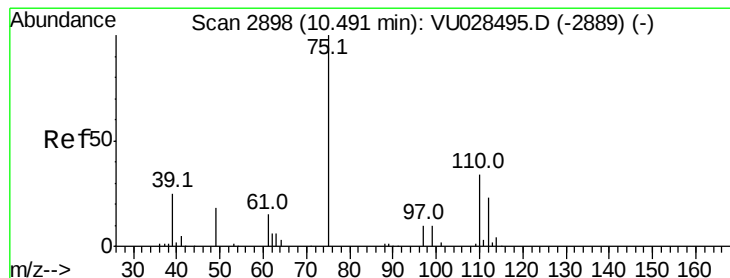
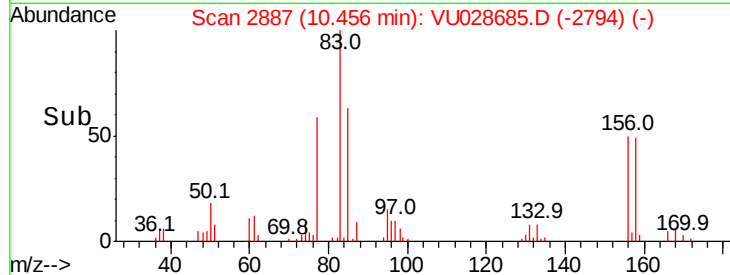
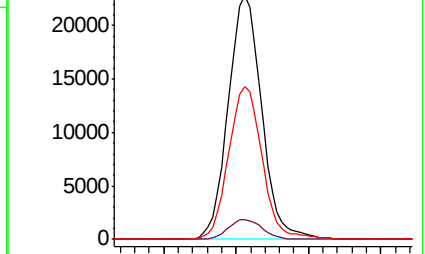
85 63.0 31.8 95.4



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

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

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



#76

1,2,3-Trichloropropane

Concen: 30.425 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028685.D

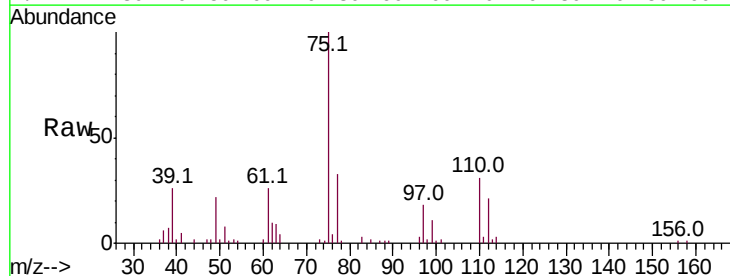
Acq: 14 Dec 2018 16:03

Tgt Ion: 75 Resp: 43708

Ion Ratio Lower Upper

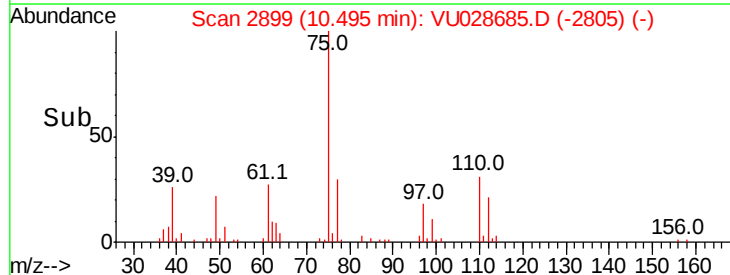
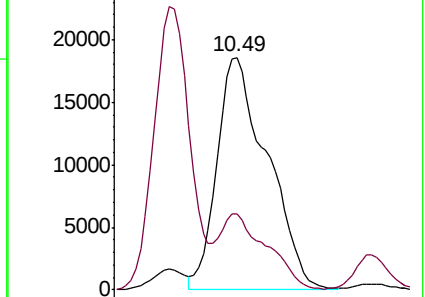
75 100

77 30.3 20.8 62.4



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

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





#77

Bromobenzene

Concen: 20.097 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

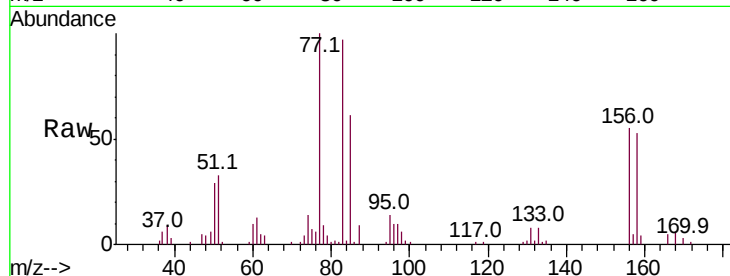
Tot Ion:156 Resp: 20290

Ion Ratio Lower Upper

156 100

77 184.4 92.4 277.2

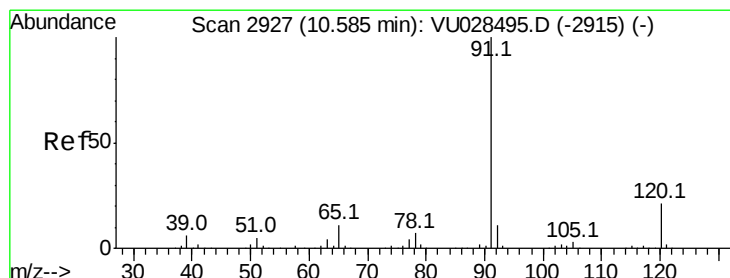
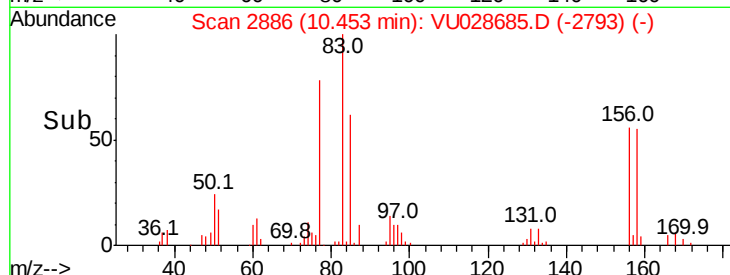
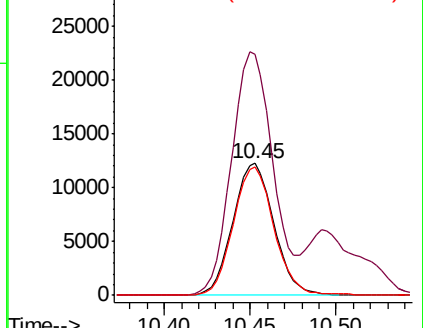
158 96.4 48.4 145.3



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: 19.319 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028685.D

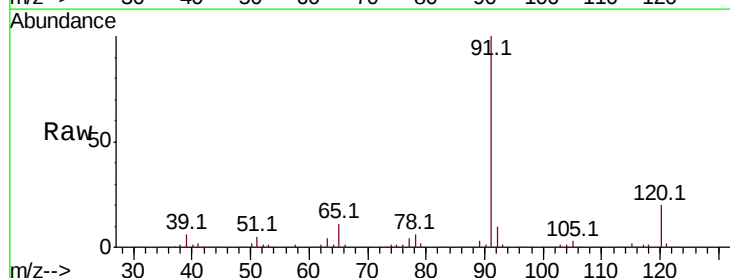
Acq: 14 Dec 2018 16:03

Tgt Ion: 91 Resp: 103631

Ion Ratio Lower Upper

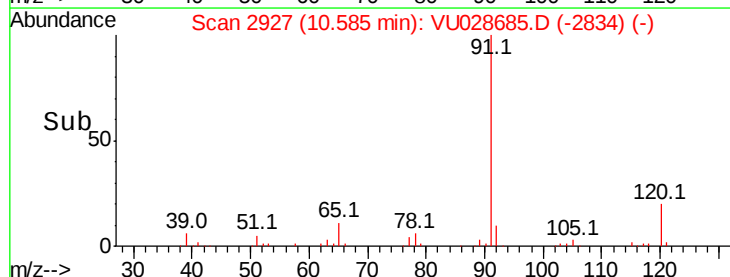
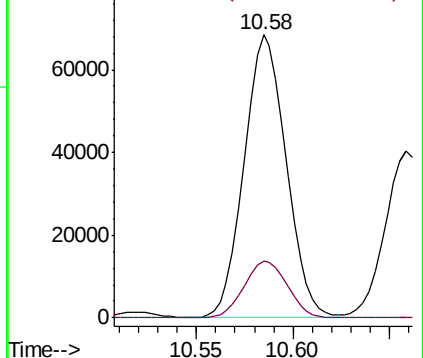
91 100

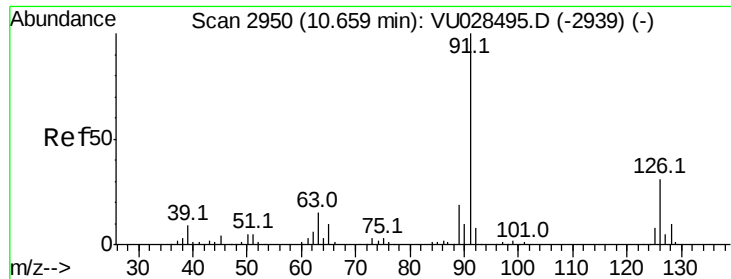
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

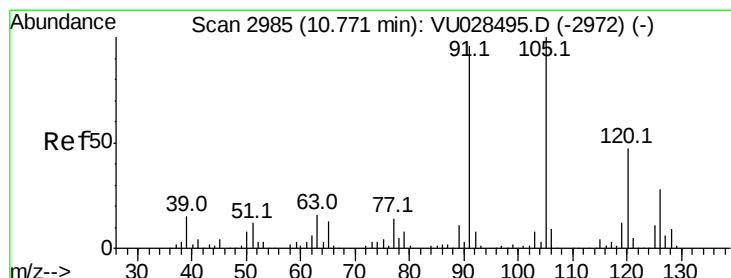
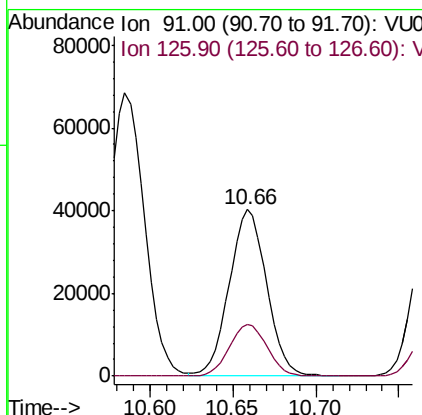
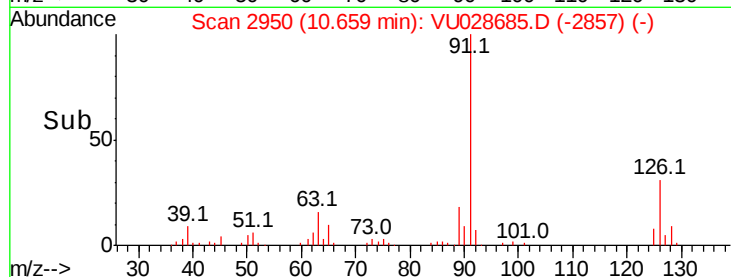
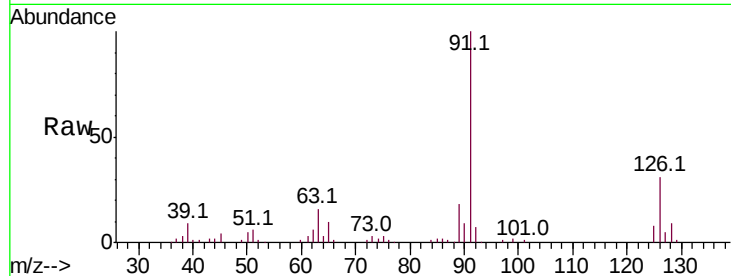




#79
 2-Chlorotoluene
 Concen: 20.319 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

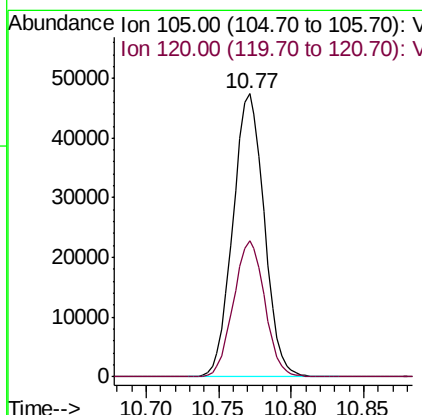
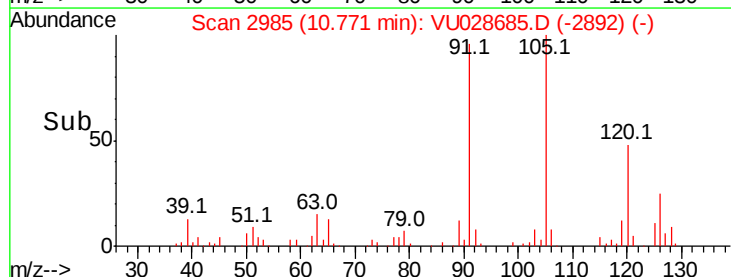
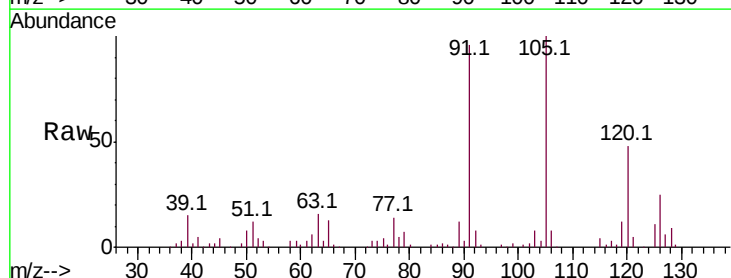
Instrument :
 MSVOA_U
 ClientSampled :

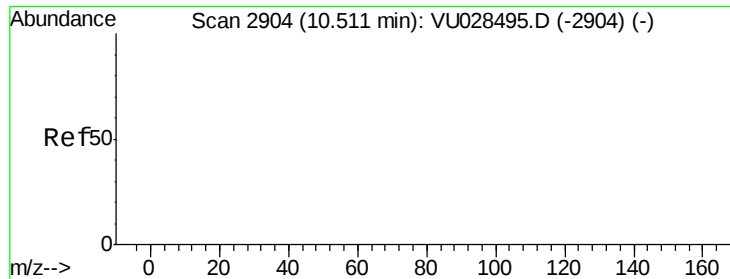
Tot Ion: 91 Resp: 62783
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.970 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion:105 Resp: 71360
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 74.545 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampled :

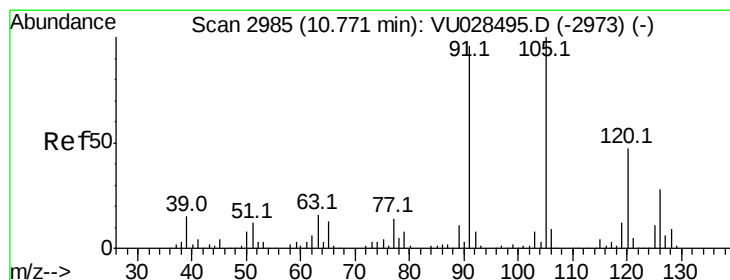
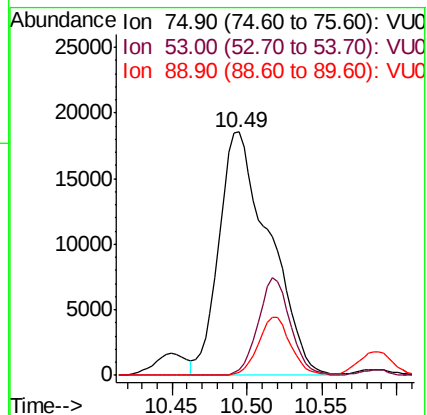
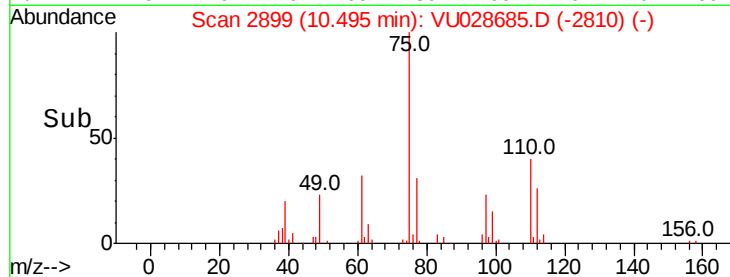
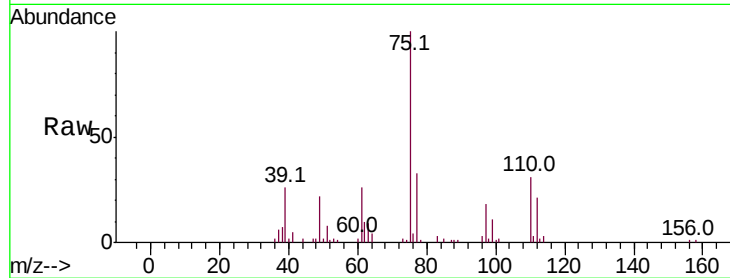
Tot Ion: 75 Resp: 43708

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.398 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028685.D

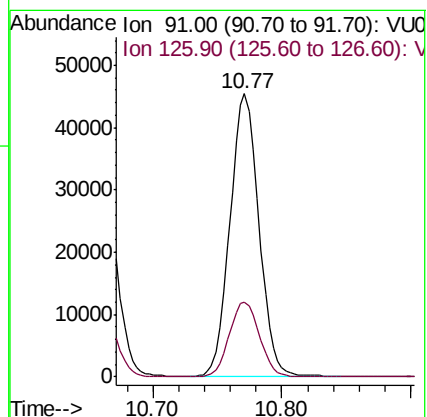
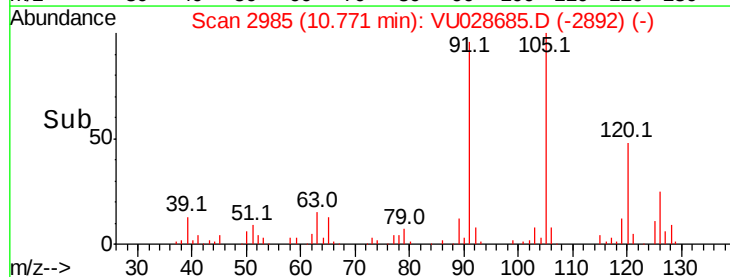
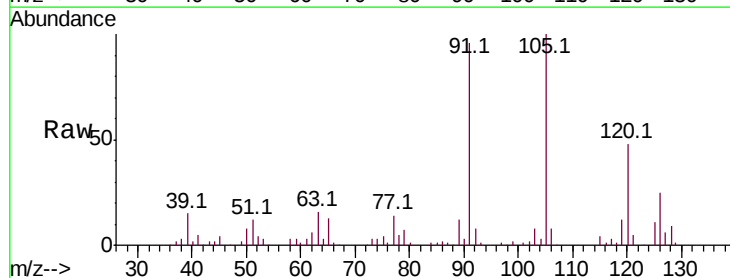
Acq: 14 Dec 2018 16:03

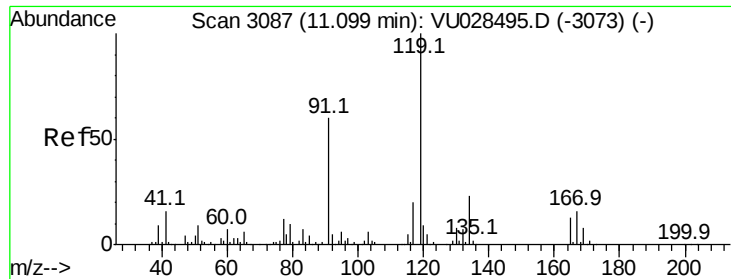
Tgt Ion: 91 Resp: 71026

Ion Ratio Lower Upper

91 100

126 27.3 14.1 42.3





#83

tert-Butylbenzene

Concen: 19.643 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampled :

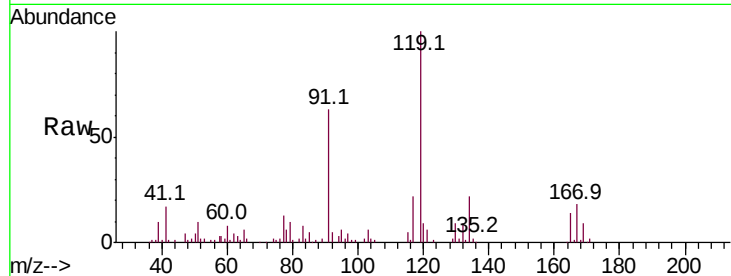
Tot Ion:119 Resp: 67656

Ion Ratio Lower Upper

119 100

91 61.6 30.3 91.0

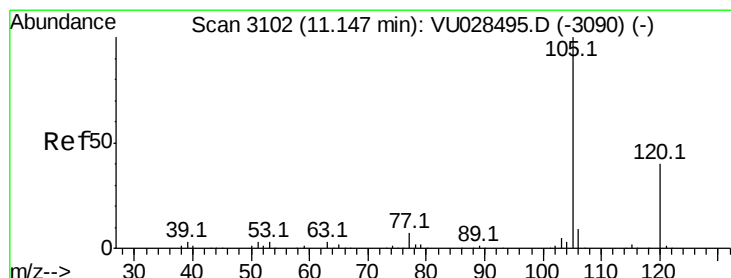
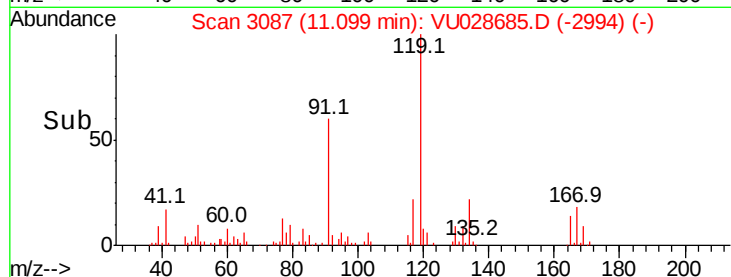
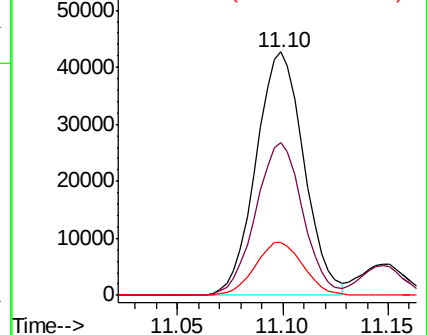
134 21.7 11.2 33.5



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: 19.630 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028685.D

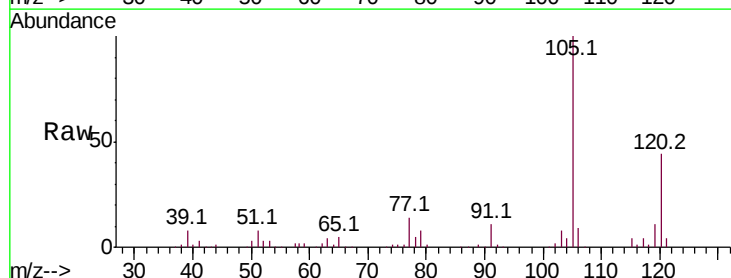
Acq: 14 Dec 2018 16:03

Tgt Ion:105 Resp: 72293

Ion Ratio Lower Upper

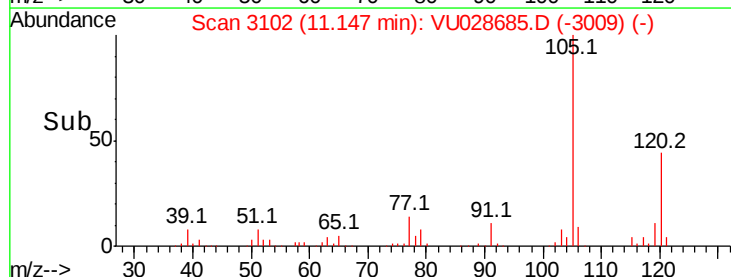
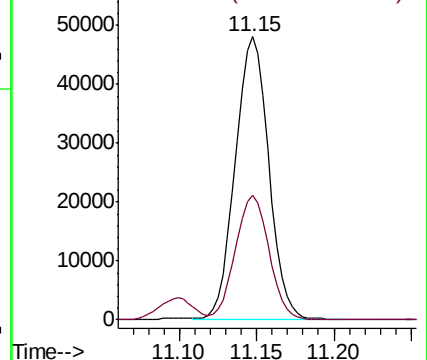
105 100

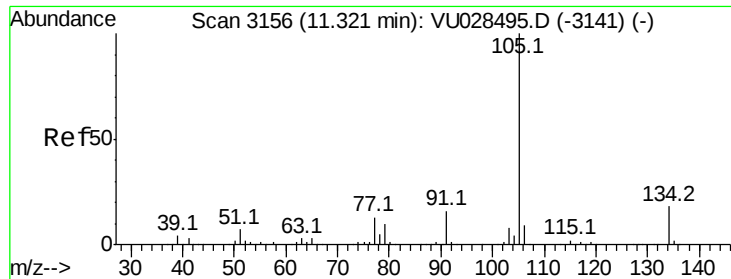
120 44.3 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.133 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

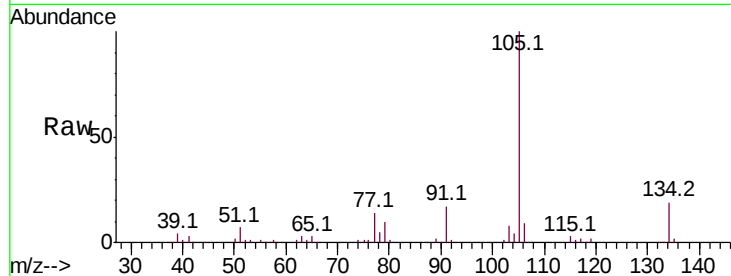
ClientSampleId :

Tot Ion:105 Resp: 84662

Ion Ratio Lower Upper

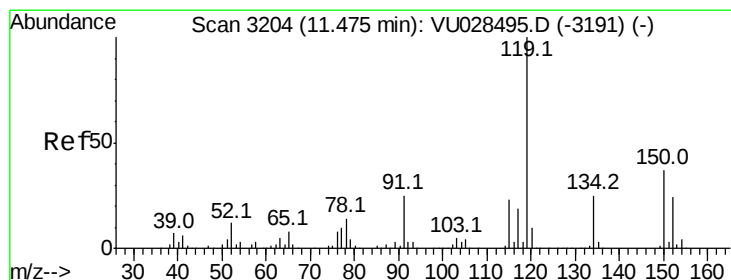
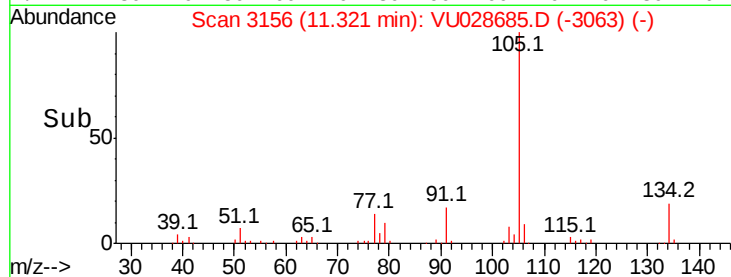
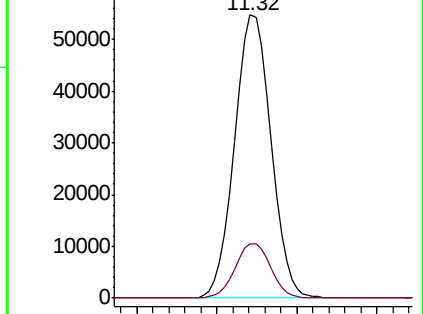
105 100

134 18.8 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.740 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

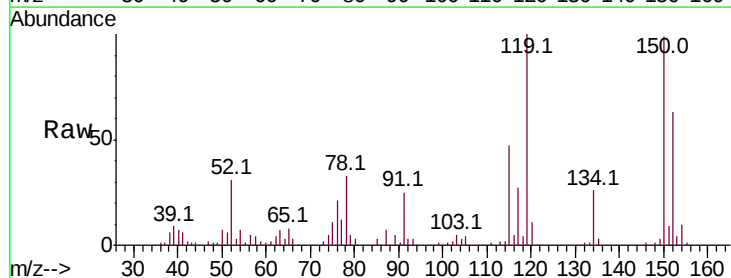
Tgt Ion:119 Resp: 70437

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

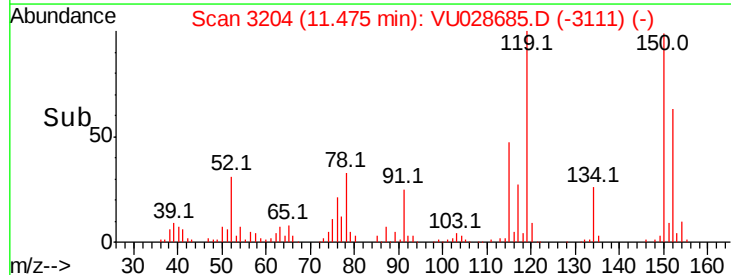
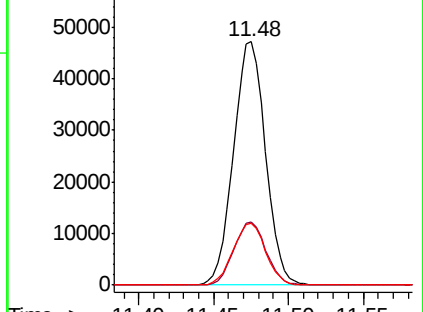
91 25.5 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

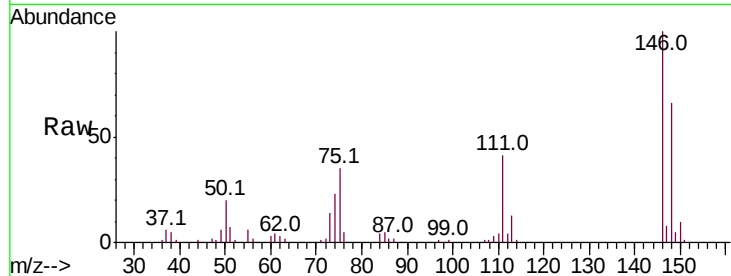




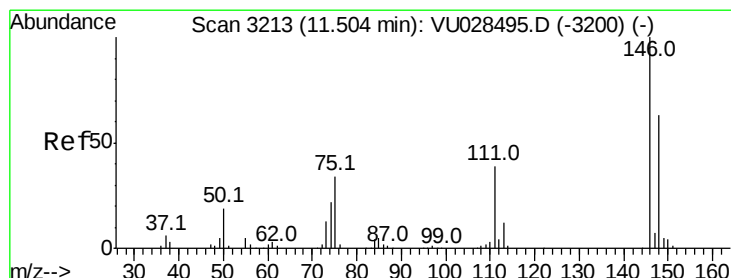
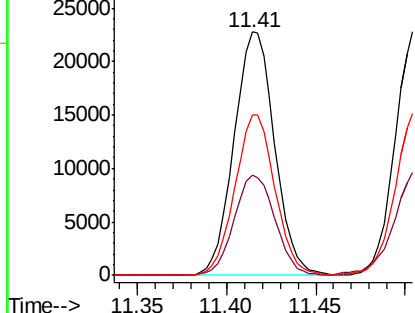
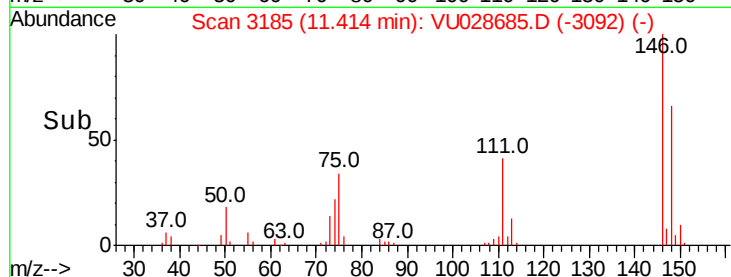
#87
 1,3-Dichlorobenzene
 Concen: 18.910 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 36050
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.7 62.1
 148 65.1 31.9 95.7

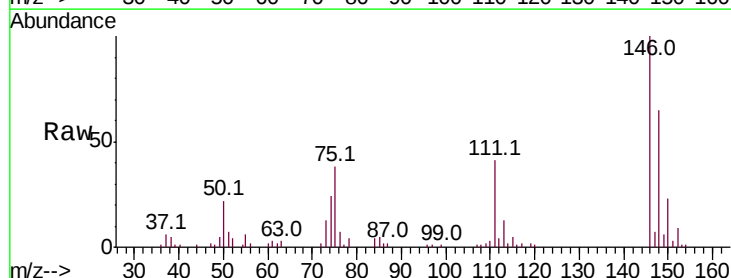


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

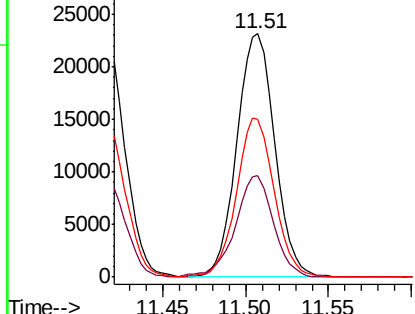
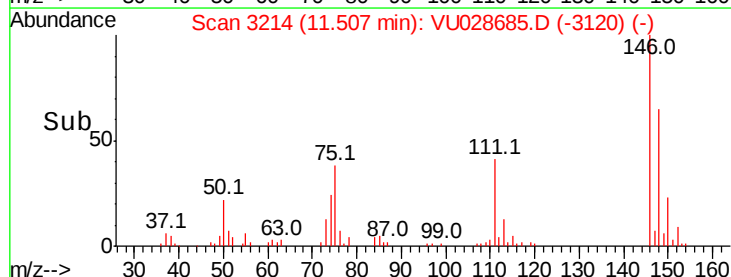


#88
 1,4-Dichlorobenzene
 Concen: 18.636 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion:146 Resp: 36758
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.2 60.5
 148 64.9 31.6 95.0



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

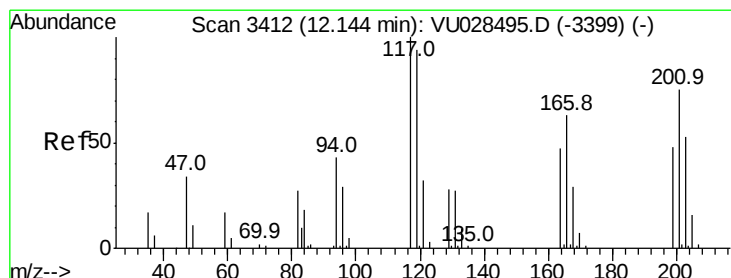
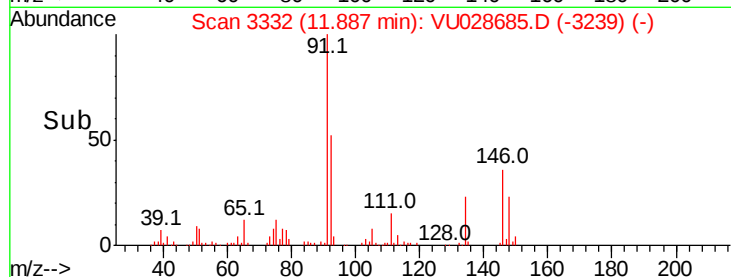
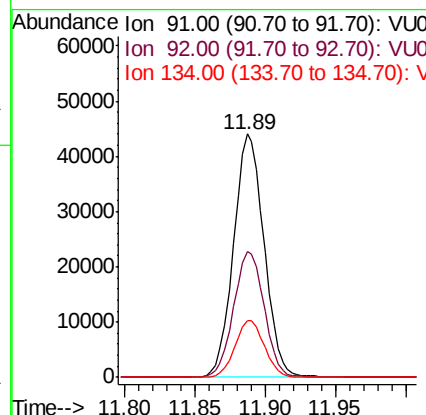
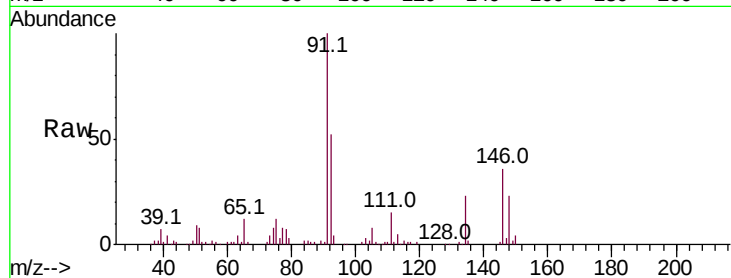




#89
n-Butylbenzene
Concen: 17.525 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

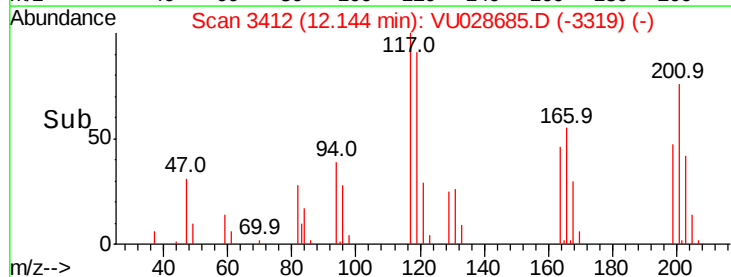
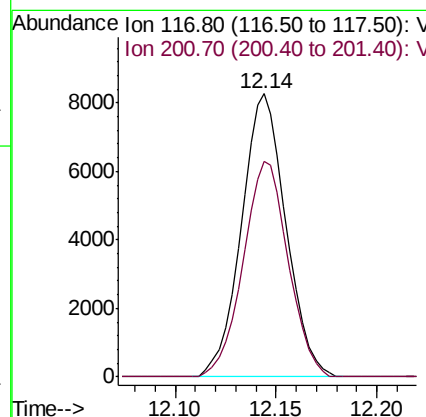
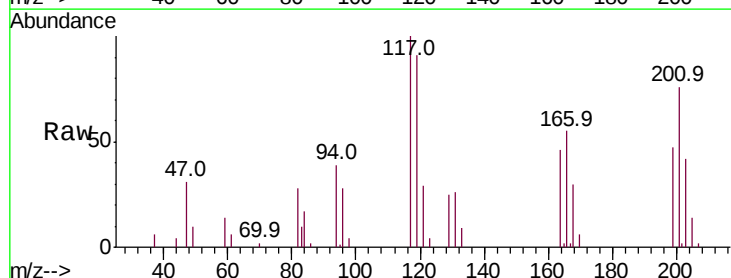
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 66666
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.9
134 22.5 11.3 33.8



#90
Hexachloroethane
Concen: 22.421 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 117 Resp: 12738
Ion Ratio Lower Upper
117 100
201 76.9 38.1 114.5

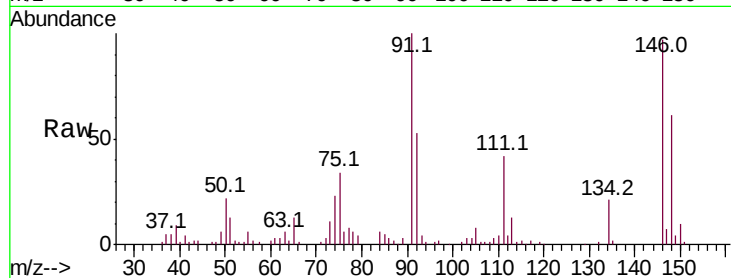




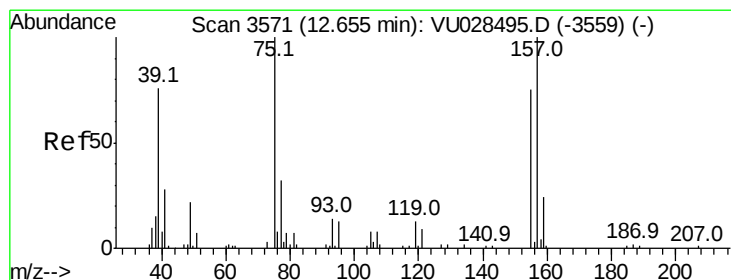
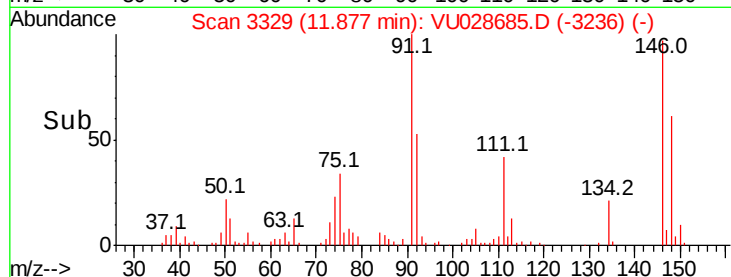
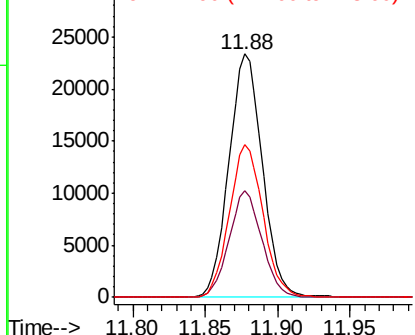
#91
 1,2-Dichlorobenzene
 Concen: 19.566 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 37312
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.1 63.4
 148 63.0 31.4 94.2

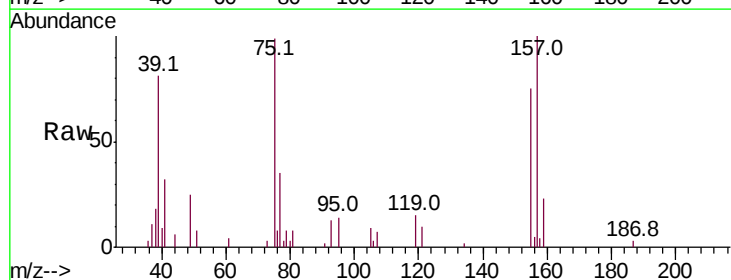


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

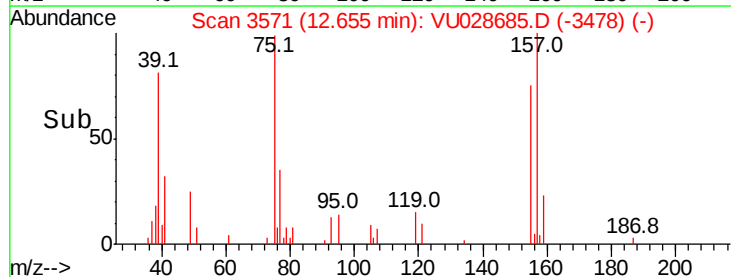
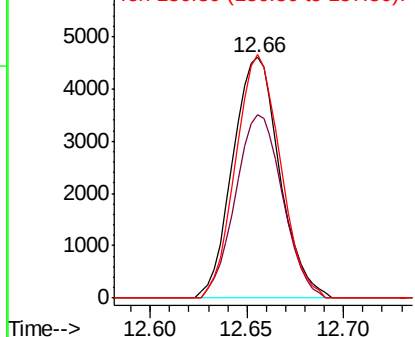


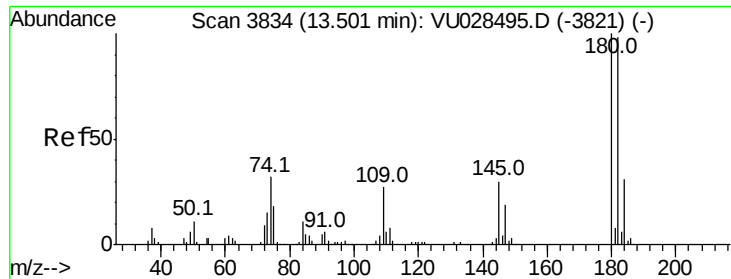
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.625 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 75 Resp: 7764
 Ion Ratio Lower Upper
 75 100
 155 76.2 38.1 114.5
 157 96.3 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

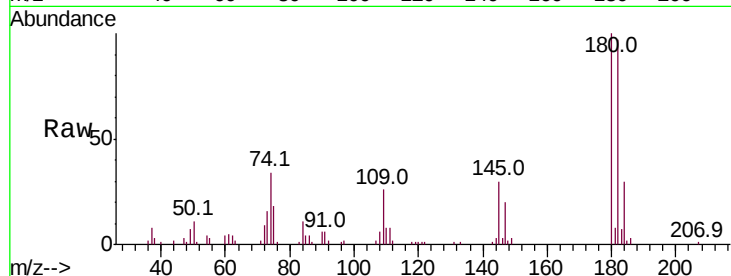




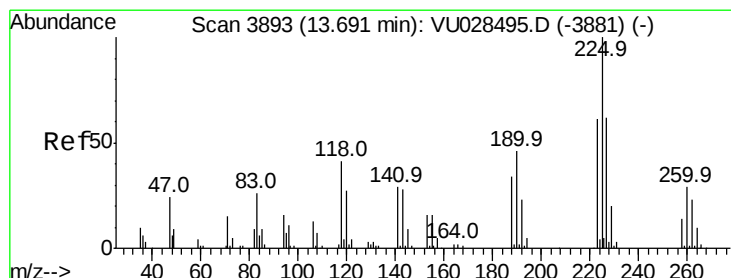
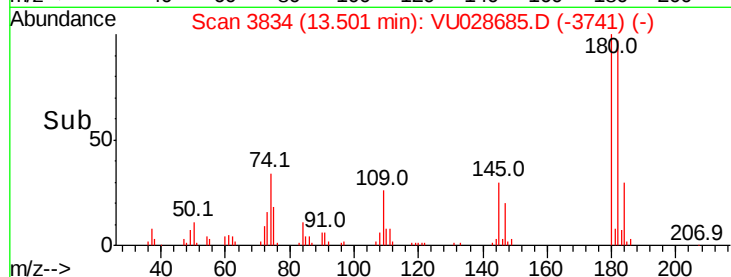
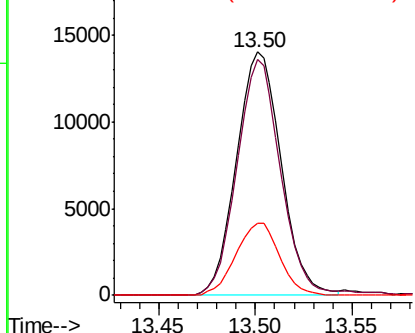
#93
 1,2,4-Trichlorobenzene
 Concen: 17.771 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	29.0	15.0	45.1

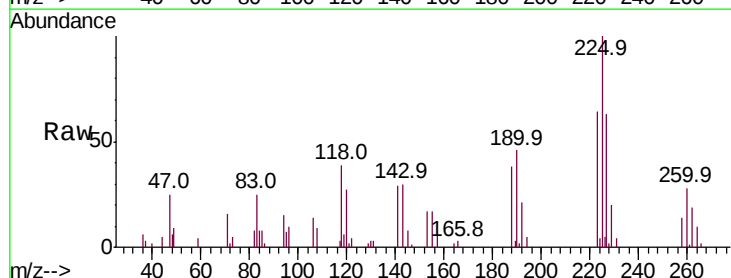


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

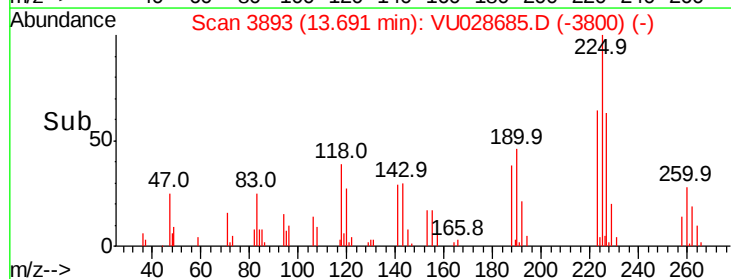
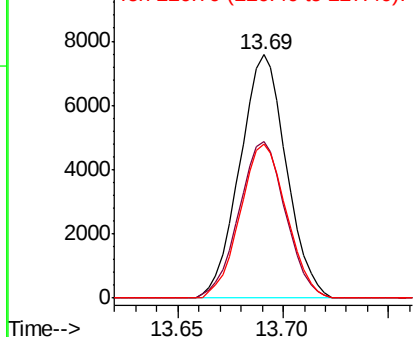


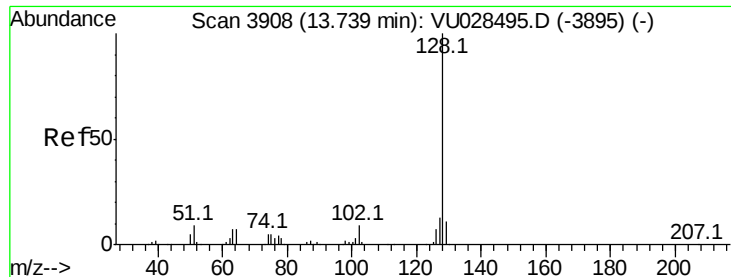
#94
 Hexachlorobutadiene
 Concen: 18.589 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	30.4	91.2
227	63.1	30.7	92.1



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





#95

Naphthalene

Concen: 17.139 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

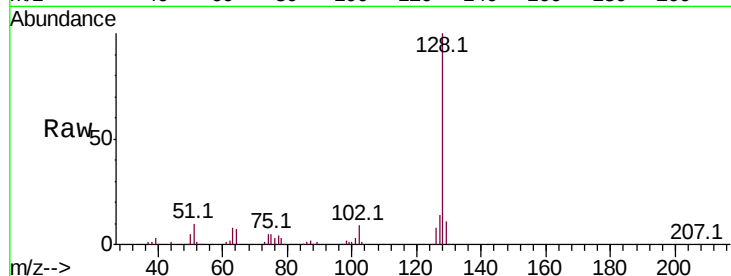
Tot Ion:128 Resp: 78428

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

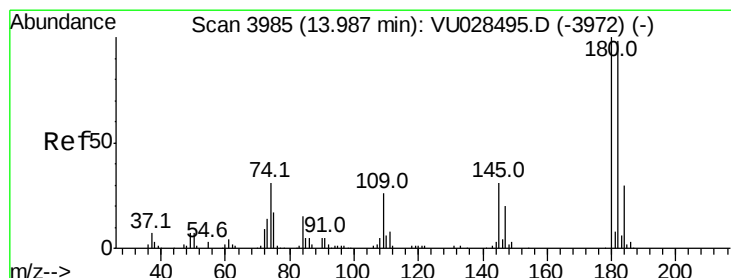
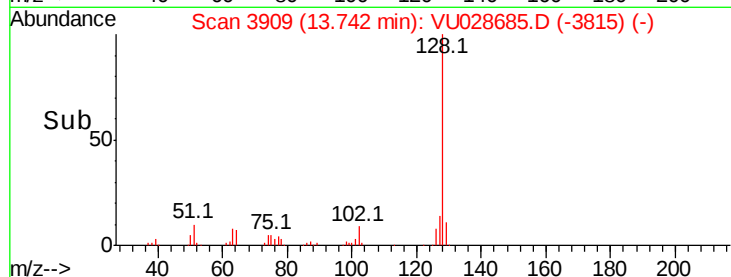
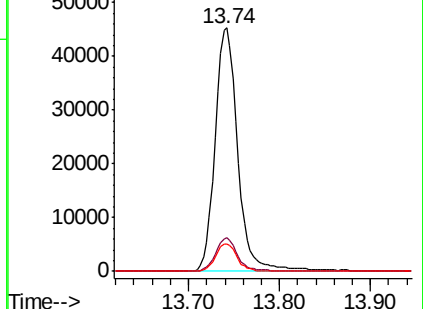
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.305 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

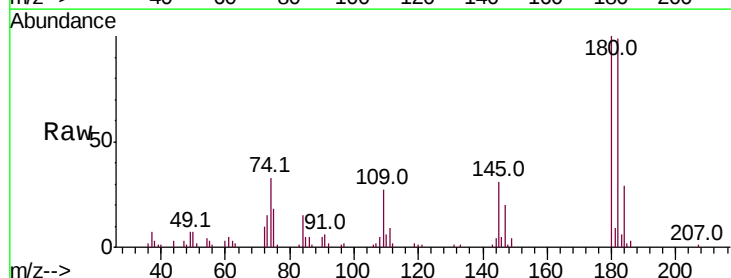
Tgt Ion:180 Resp: 23751

Ion Ratio Lower Upper

180 100

182 96.1 48.2 144.6

145 31.8 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

