

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028719.D
 Acq On : 17 Dec 2018 14:42
 Operator : MD/SY
 Sample : VU1217WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:07:46 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	90697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	157150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70044	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	70900	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
35) Dibromofluoromethane	4.88	113	53062	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	7.56	98	208474	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	10.31	95	74342	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	24081	19.809	ug/l	98
3) Chloromethane	1.33	50	42454	18.995	ug/l	100
4) Vinyl Chloride	1.40	62	32126	19.918	ug/l	97
5) Bromomethane	1.60	94	17003	26.170	ug/l	100
6) Chloroethane	1.68	64	18328	20.072	ug/l	96
7) Trichlorofluoromethane	1.87	101	34760	20.484	ug/l	97
8) Diethyl Ether	2.10	74	15574	19.616	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	20887	20.580	ug/l	99
10) Methyl Iodide	2.41	142	21371	26.836	ug/l	100
11) Tert butyl alcohol	2.83	59	32154	104.271	ug/l	100
12) 1,1-Dichloroethene	2.28	96	20239	20.043	ug/l	92
13) Acrolein	2.19	56	24264	98.702	ug/l	99
14) Allyl chloride	2.59	41	50196	21.012	ug/l	93
15) Acrylonitrile	2.94	53	89069	104.036	ug/l	100
16) Acetone	2.32	43	72426	80.189	ug/l	97
17) Carbon Disulfide	2.47	76	70911	19.493	ug/l	99
18) Methyl Acetate	2.61	43	53239	22.739	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	78877	20.605	ug/l	99
20) Methylene Chloride	2.70	84	25609	19.234	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	22459	19.754	ug/l	96
22) Diisopropyl ether	3.57	45	96208	20.710	ug/l	99
23) Vinyl Acetate	3.52	43	386504	100.867	ug/l	99
24) 1,1-Dichloroethane	3.44	63	49490	20.352	ug/l	99
25) 2-Butanone	4.26	43	120183	97.370	ug/l	100
26) 2,2-Dichloropropane	4.23	77	36440	18.912	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	26452	20.555	ug/l	96
28) Bromochloromethane	4.55	49	26479	23.953	ug/l	97
29) Tetrahydrofuran	4.64	42	84081	106.068	ug/l	99
30) Chloroform	4.67	83	44186	20.848	ug/l	98
31) Cyclohexane	4.99	56	49083	19.965	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	36406	20.682	ug/l	98
36) 1,1-Dichloropropene	5.13	75	33887	19.706	ug/l	99
37) Ethyl Acetate	4.38	43	45137	20.304	ug/l	100
38) Carbon Tetrachloride	5.13	117	28996	20.920	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028719.D
 Acq On : 17 Dec 2018 14:42
 Operator : MD/SY
 Sample : VU1217WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:07:46 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	6.41	83	40647	19.374	ug/l	98
40) Benzene	5.39	78	104477	20.628	ug/l	99
41) Methacrylonitrile	4.54	41	26176	21.501	ug/l	98
42) 1,2-Dichloroethane	5.40	62	36048	20.333	ug/l	99
43) Isopropyl Acetate	5.55	43	73430	20.884	ug/l	99
44) Trichloroethene	6.18	130	23747	21.087	ug/l	94
45) 1,2-Dichloropropane	6.43	63	30381	21.331	ug/l	93
46) Dibromomethane	6.56	93	18371	21.739	ug/l	98
47) Bromodichloromethane	6.76	83	34862	21.200	ug/l	97
48) Methyl methacrylate	6.62	41	36579	20.919	ug/l	98
49) 1,4-Dioxane	6.61	88	11867	429.812	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	233771	105.412	ug/l	99
52) Toluene	7.64	92	61135	20.510	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	40136	20.493	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	43880	20.651	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	25345	21.510	ug/l	96
56) Ethyl methacrylate	8.02	69	42579	21.103	ug/l	98
57) 1,3-Dichloropropane	8.24	76	45790	20.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	105646	102.223	ug/l	100
59) 2-Hexanone	8.36	43	179390	102.057	ug/l	99
60) Dibromochloromethane	8.48	129	24431	21.178	ug/l	97
61) 1,2-Dibromoethane	8.58	107	26867	21.744	ug/l	99
64) Tetrachloroethene	8.22	164	20034	20.780	ug/l	98
65) Chlorobenzene	9.12	112	65453	21.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	21904	22.271	ug/l	99
67) Ethyl Benzene	9.25	91	117294	20.716	ug/l	100
68) m/p-Xylenes	9.37	106	86303	41.890	ug/l	99
69) o-Xylene	9.78	106	42061	21.008	ug/l	99
70) Styrene	9.79	104	68900	20.794	ug/l	99
71) Bromoform	9.96	173	19518	23.328	ug/l #	99
73) Isopropylbenzene	10.16	105	115234	21.440	ug/l	100
74) N-amyl acetate	10.01	43	63577	20.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	46967	22.748	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	53691	30.019	ug/l	82
77) Bromobenzene	10.45	156	27013	21.490	ug/l	99
78) n-propylbenzene	10.58	91	145518	21.789	ug/l	100
79) 2-Chlorotoluene	10.66	91	81420	21.164	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	92727	20.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	53691	73.557	ug/l #	100
82) 4-Chlorotoluene	10.77	91	92910	20.380	ug/l	100
83) tert-Butylbenzene	11.10	119	91719	21.388	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	103073	22.480	ug/l	99
85) sec-Butylbenzene	11.32	105	114682	20.817	ug/l	99
86) p-Isopropyltoluene	11.47	119	93932	20.072	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	49386	20.807	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	48354	19.690	ug/l	95
89) n-Butylbenzene	11.89	91	90272	19.060	ug/l	98
90) Hexachloroethane	12.14	117	15995	22.613	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	49532	20.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10009	22.392	ug/l	93

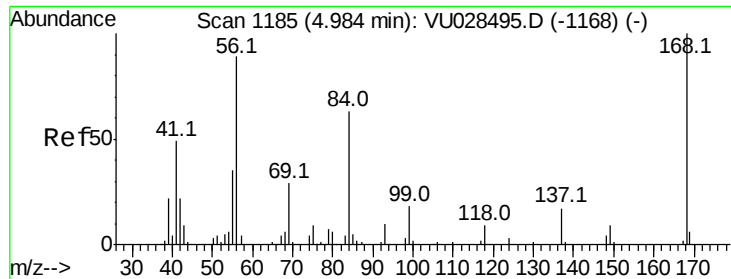
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121718\
Data File : VU028719.D
Acq On : 17 Dec 2018 14:42
Operator : MD/SY
Sample : VU1217WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Dec 18 03:07:46 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)
93) 1,2,4-Trichlorobenzene	13.50	180	31961	20.103	ug/l	98
94) Hexachlorobutadiene	13.69	225	14597	18.769	ug/l	97
95) Naphthalene	13.74	128	113673	19.952	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	32626	20.181	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

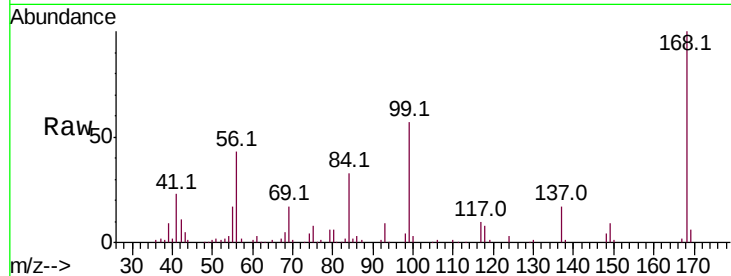
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 90697

Ion Ratio Lower Upper

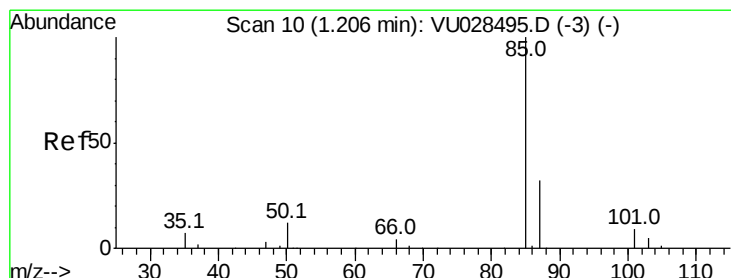
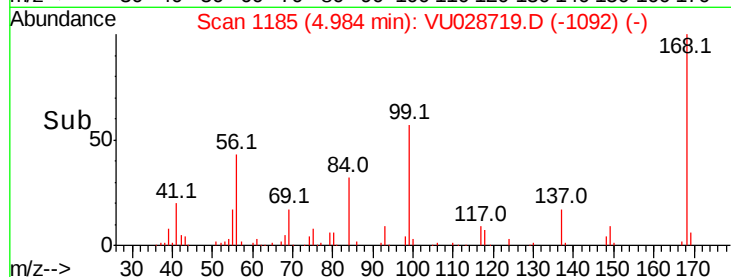
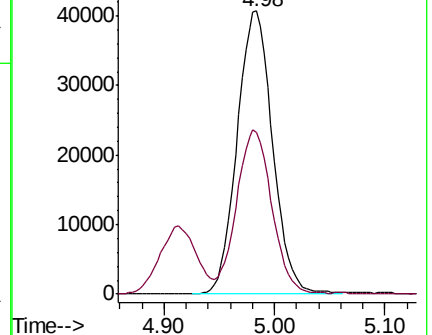
168 100

99 56.5 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: 19.809 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028719.D

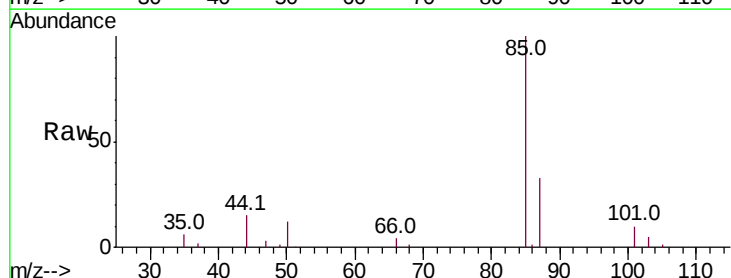
Acq: 17 Dec 2018 14:42

Tgt Ion: 85 Resp: 24081

Ion Ratio Lower Upper

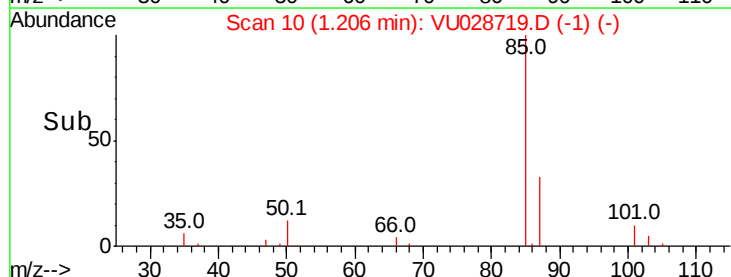
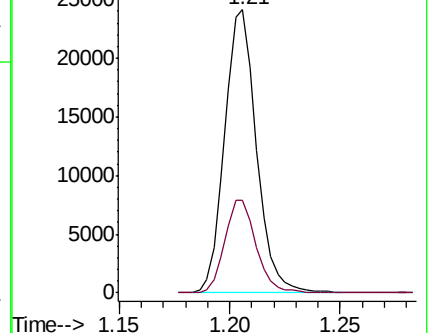
85 100

87 32.9 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: 18.995 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

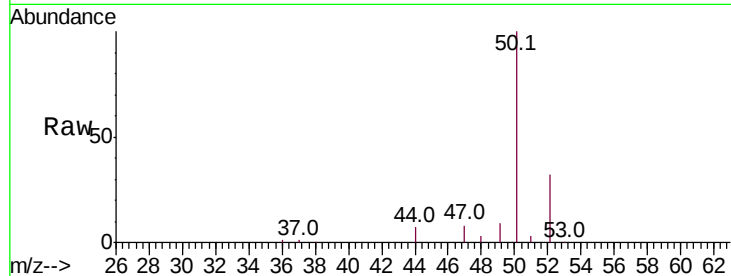
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 42454

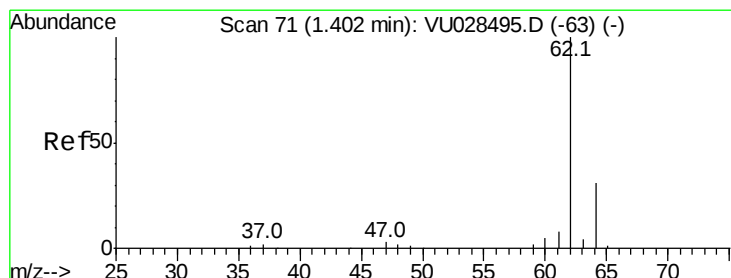
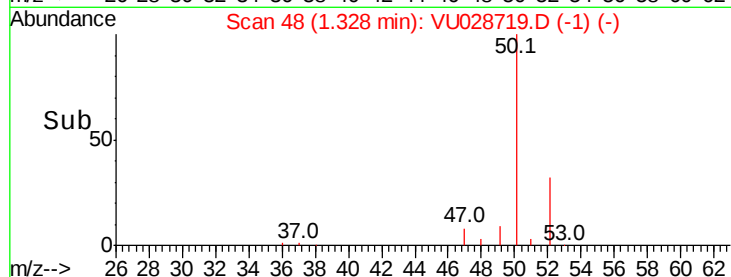
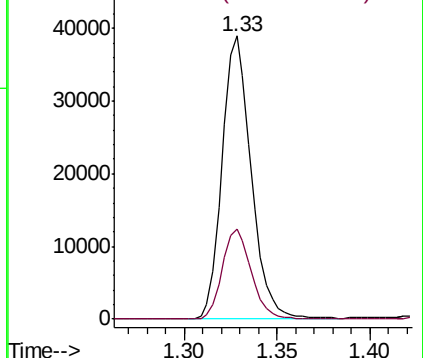
Ion Ratio Lower Upper

50 100

52 31.7 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: 19.918 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028719.D

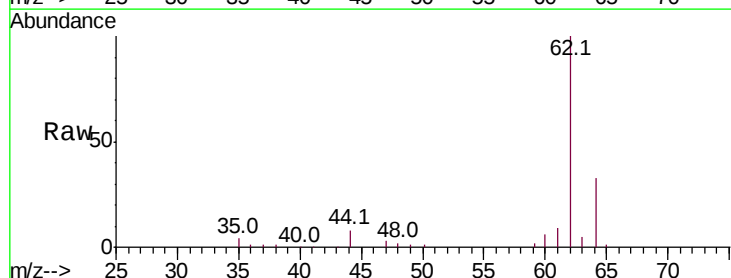
Acq: 17 Dec 2018 14:42

Tgt Ion: 62 Resp: 32126

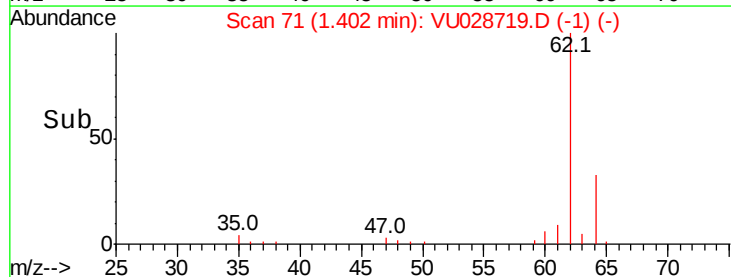
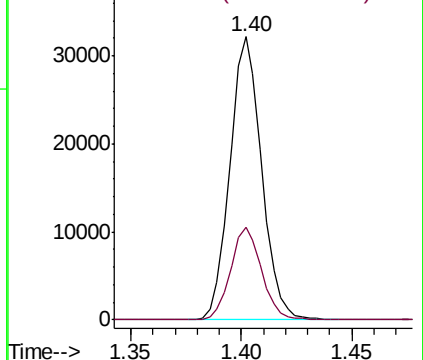
Ion Ratio Lower Upper

62 100

64 32.9 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: 26.170 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

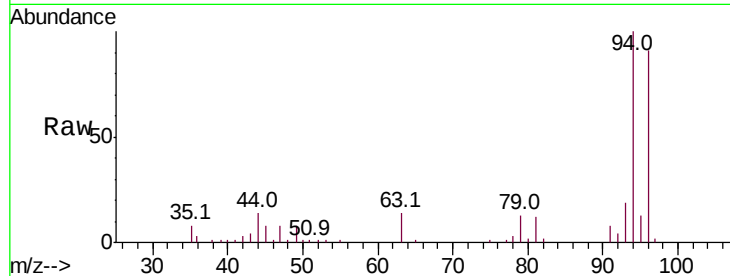
ClientSampleId :

Tot Ion: 94 Resp: 17003

Ion Ratio Lower Upper

94 100

96 91.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

20000

15000

10000

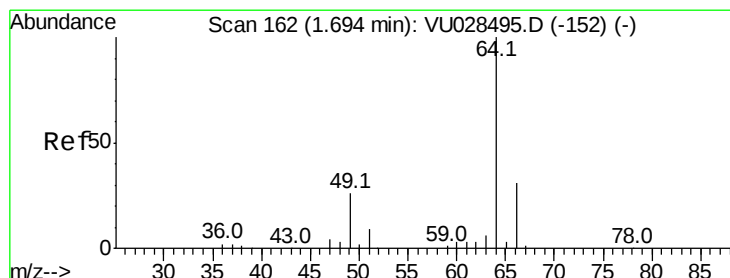
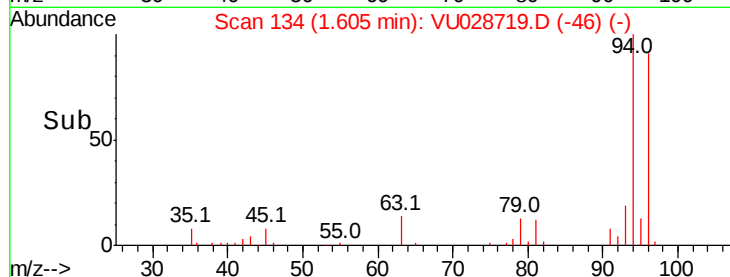
5000

0

1.60

1.65

Time-->



#6

Chloroethane

Concen: 20.072 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028719.D

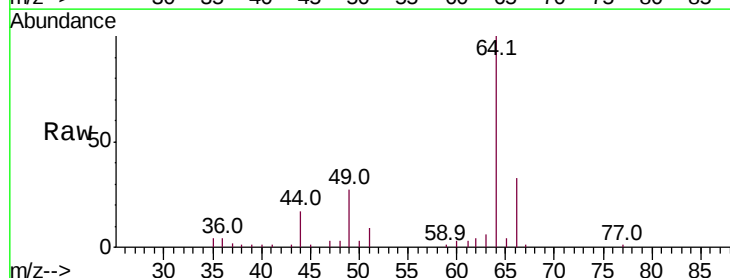
Acq: 17 Dec 2018 14:42

Tgt Ion: 64 Resp: 18328

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

15000

10000

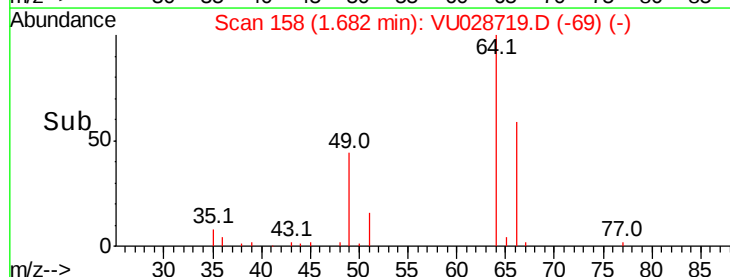
5000

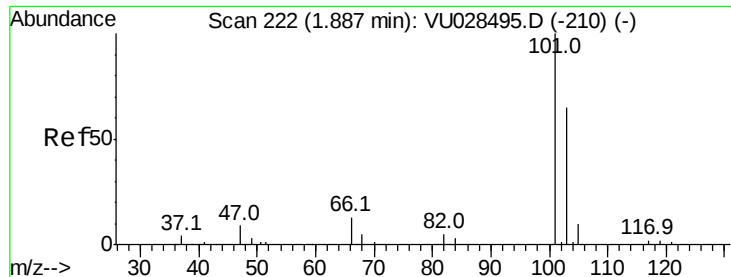
0

1.65

1.70

Time-->



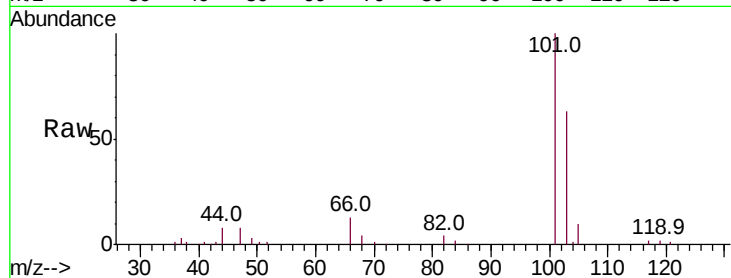


#7

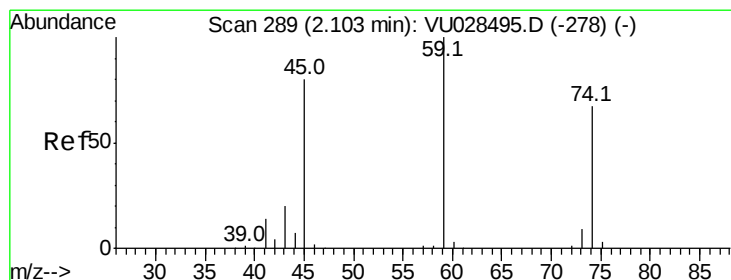
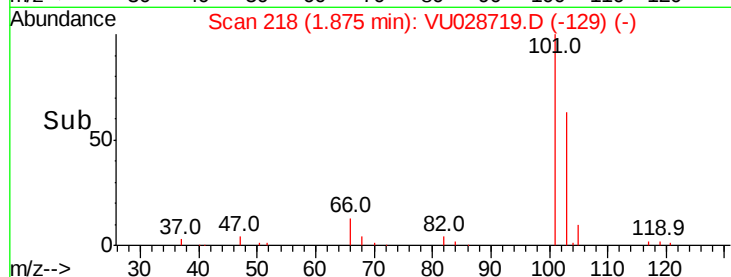
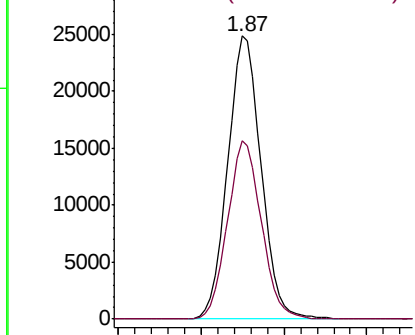
Trichlorofluoromethane
Concen: 20.484 ug/l
RT: 1.87 min Scan# 218
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:101 Resp: 34760
Ion Ratio Lower Upper
101 100
103 62.9 52.3 78.5



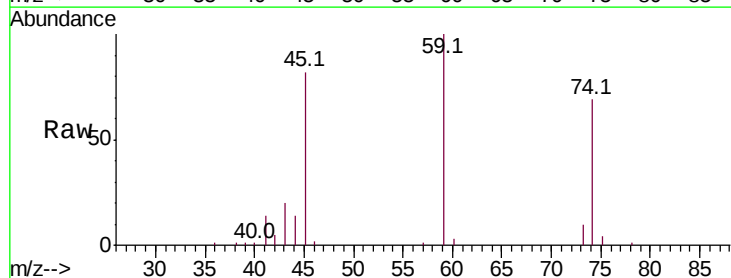
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



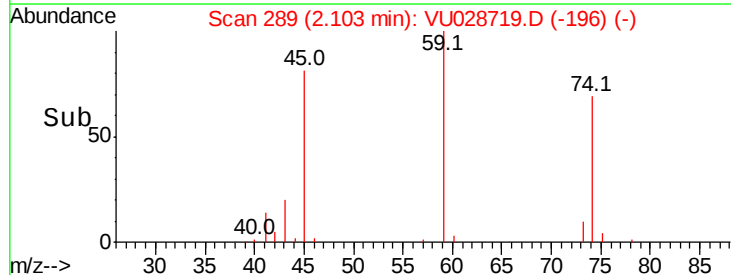
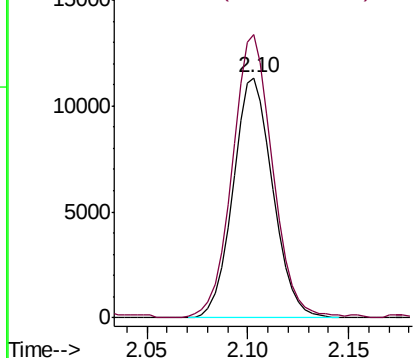
#8

Diethyl Ether
Concen: 19.616 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 74 Resp: 15574
Ion Ratio Lower Upper
74 100
45 120.6 59.7 179.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.580 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

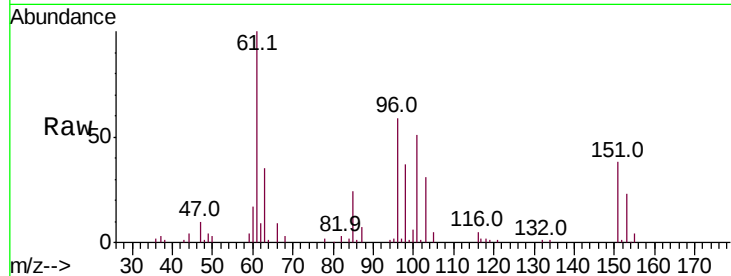
Tot Ion:101 Resp: 20887

Ion Ratio Lower Upper

101 100

85 46.3 36.4 54.6

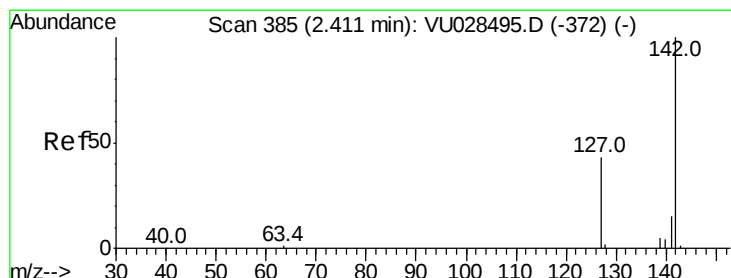
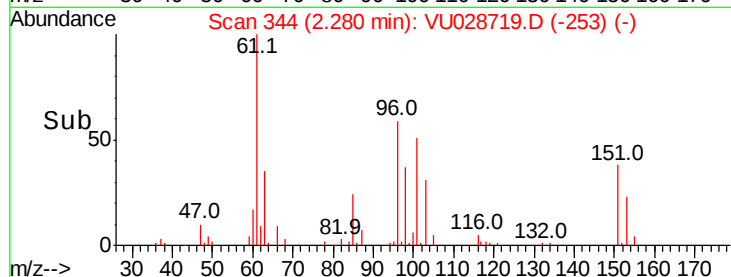
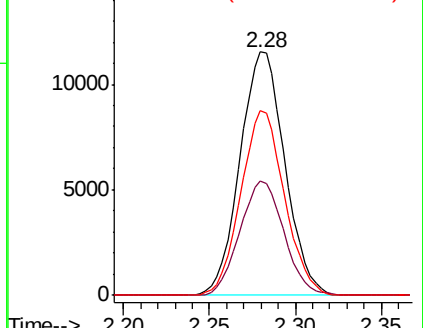
151 73.6 58.2 87.2



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: 26.836 ug/l

RT: 2.41 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

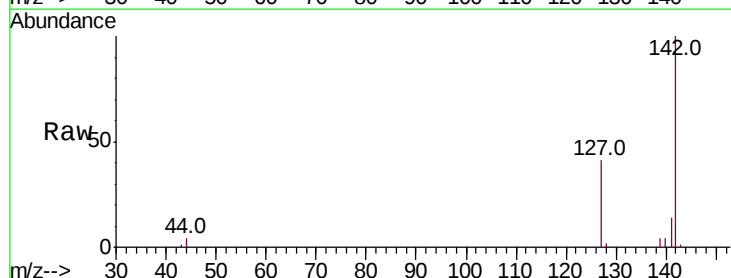
Tgt Ion:142 Resp: 21371

Ion Ratio Lower Upper

142 100

127 41.8 33.5 50.3

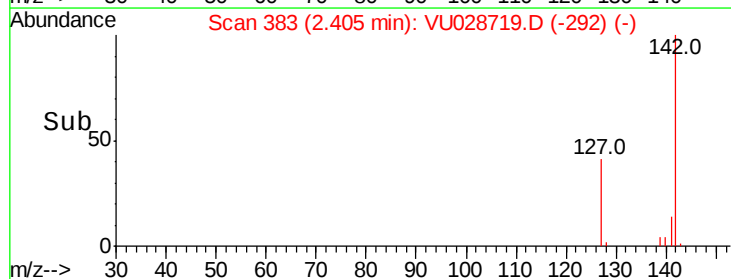
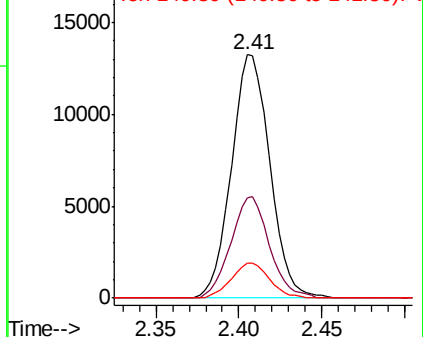
141 14.2 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



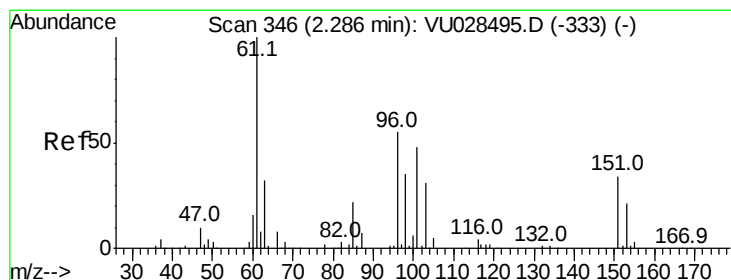
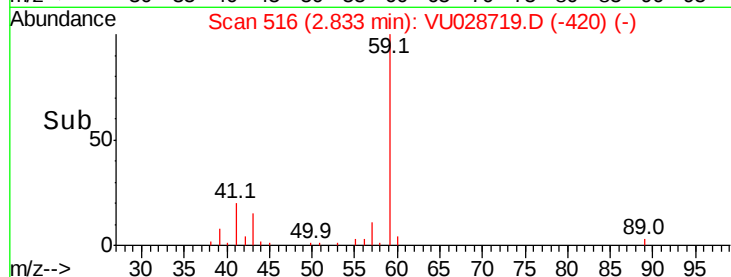
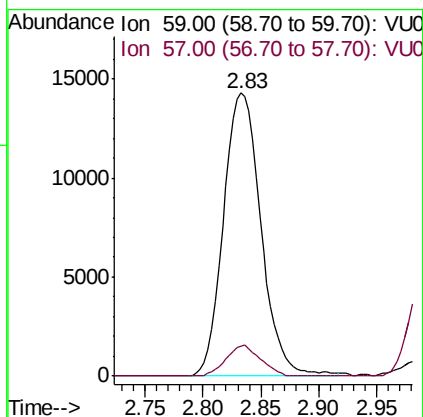
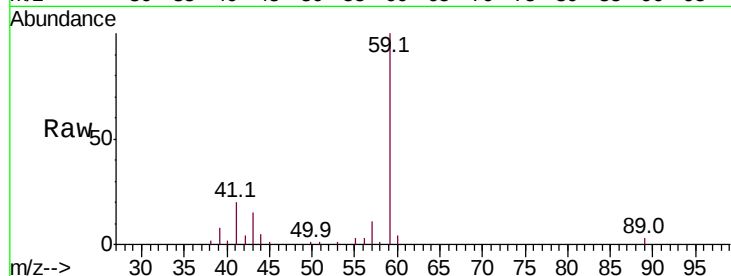


#11

Tert butyl alcohol
 Concen: 104.271 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :

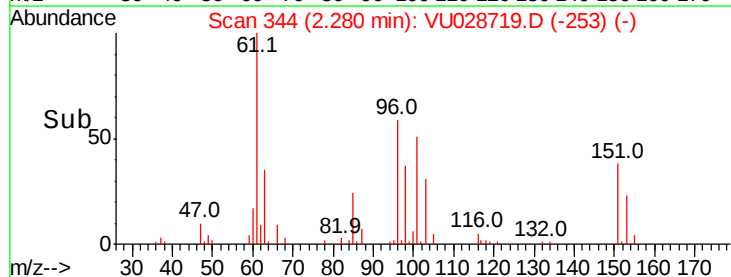
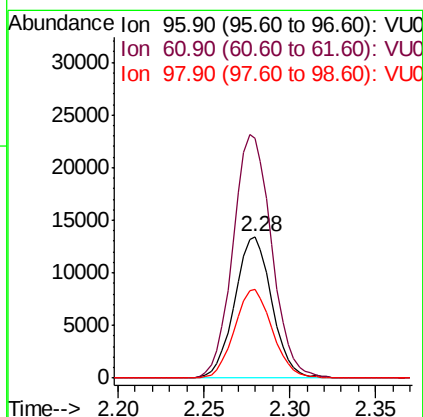
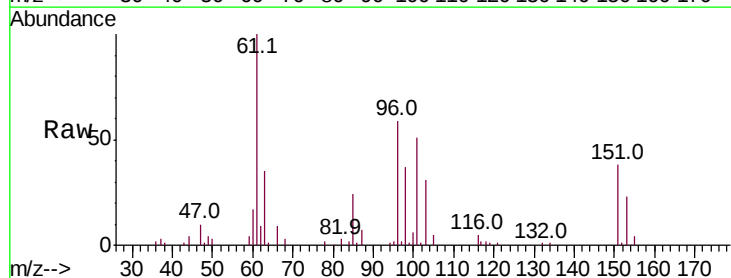
Tot Ion: 59 Resp: 32154
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.0 12.0

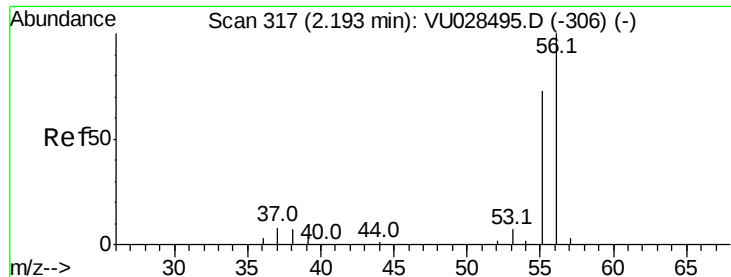


#12

1,1-Dichloroethene
 Concen: 20.043 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 96 Resp: 20239
 Ion Ratio Lower Upper
 96 100
 61 169.1 146.4 219.6
 98 62.7 51.8 77.8





#13

Acrolein

Concen: 98.702 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

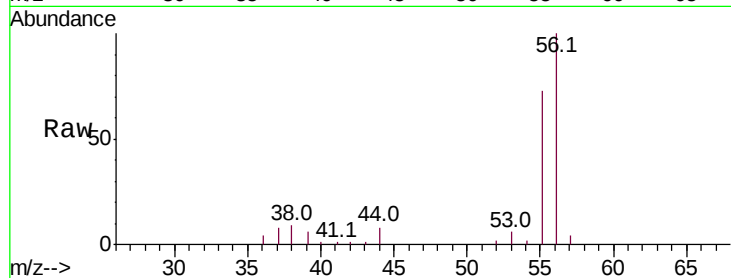
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 24264

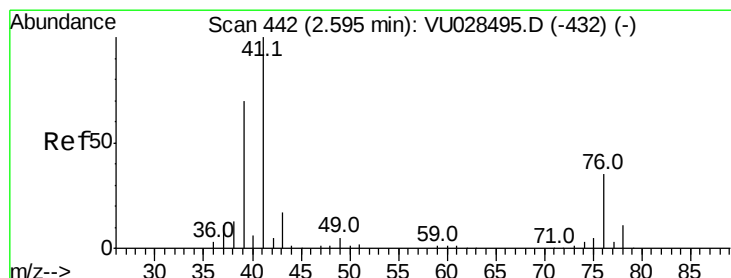
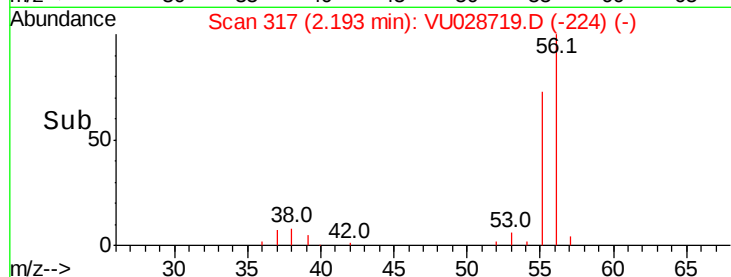
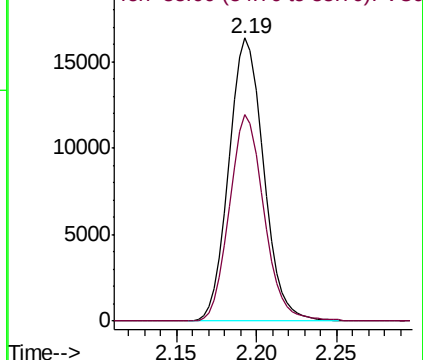
Ion Ratio Lower Upper

56 100

55 72.6 57.5 86.3



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



#14

Allyl chloride

Concen: 21.012 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

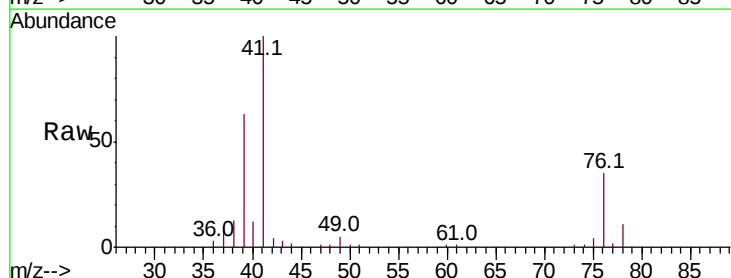
Tgt Ion: 41 Resp: 50196

Ion Ratio Lower Upper

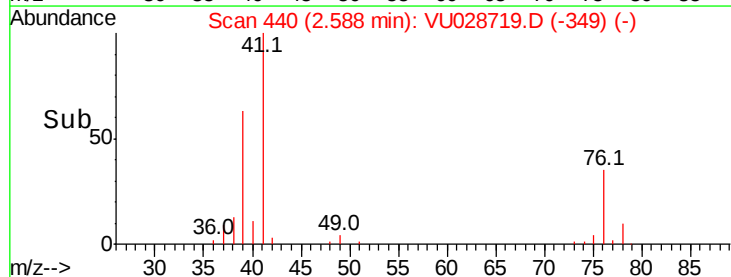
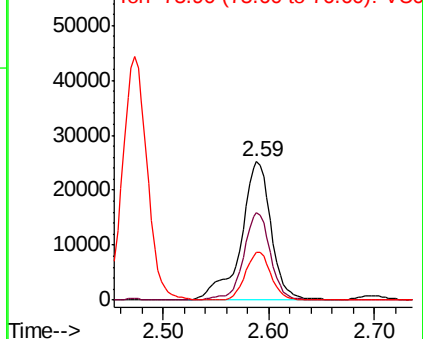
41 100

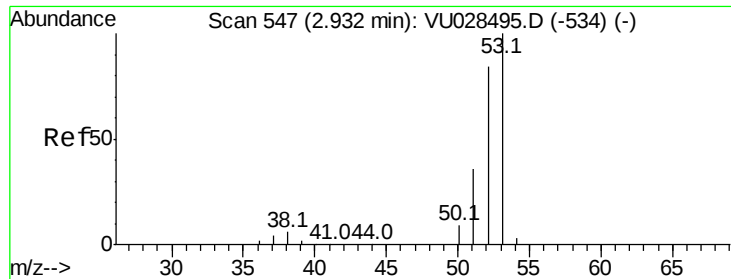
39 56.1 50.8 76.2

76 29.5 24.8 37.2



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





#15

Acrylonitrile

Concen: 104.036 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :

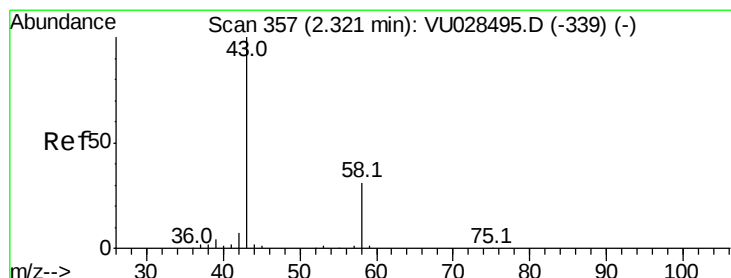
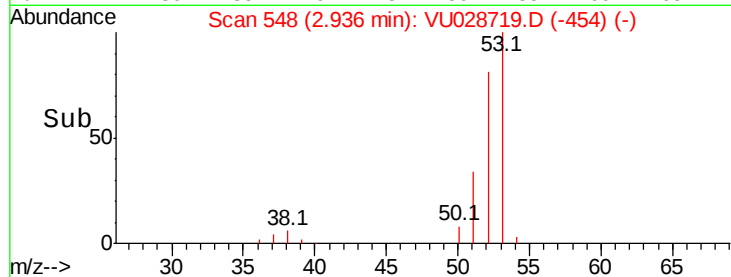
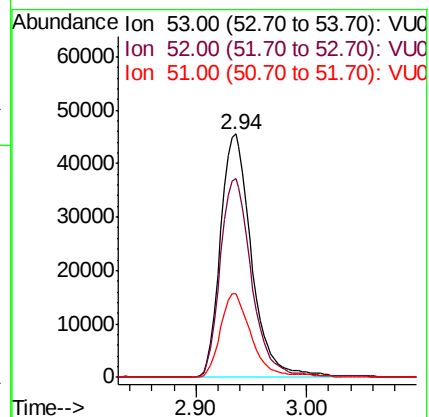
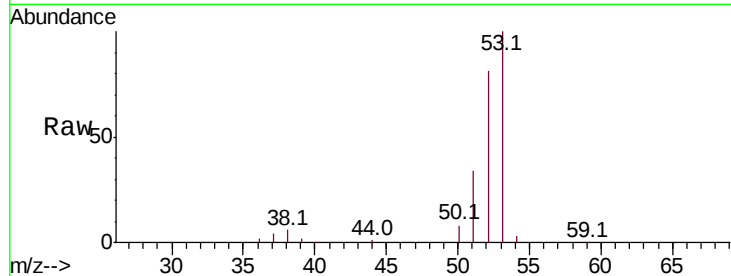
Tot Ion: 53 Resp: 89069

Ion Ratio Lower Upper

53 100

52 83.0 66.1 99.1

51 34.7 28.1 42.1



#16

Acetone

Concen: 80.189 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028719.D

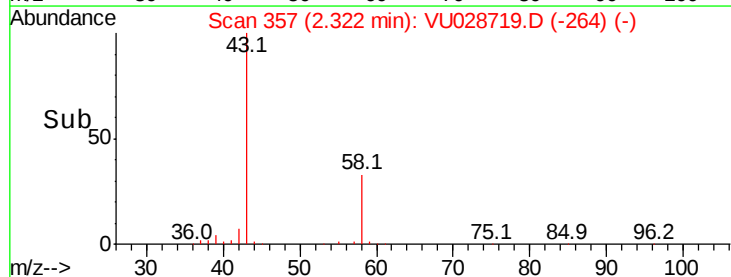
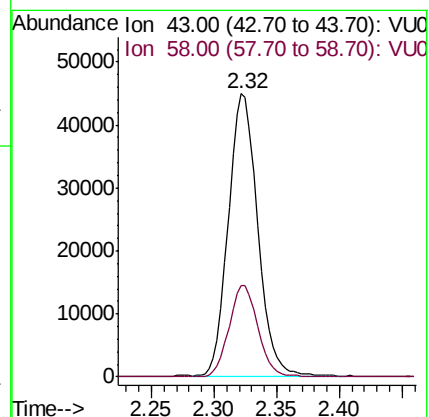
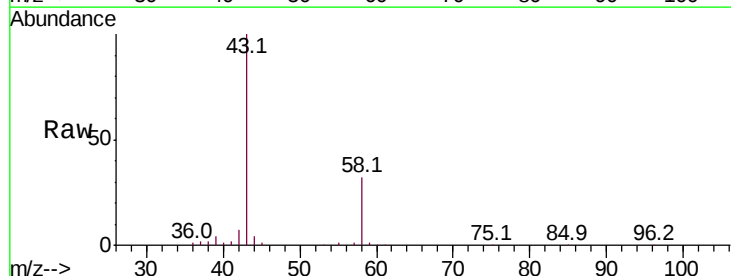
Acq: 17 Dec 2018 14:42

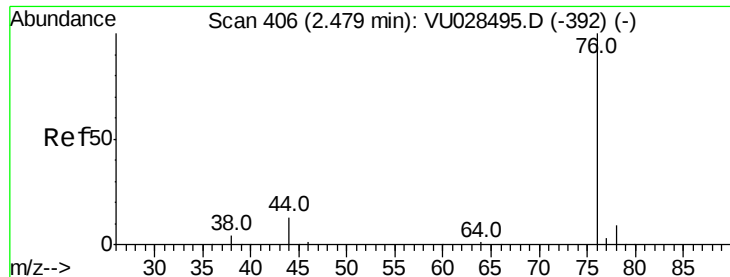
Tgt Ion: 43 Resp: 72426

Ion Ratio Lower Upper

43 100

58 32.6 24.6 37.0

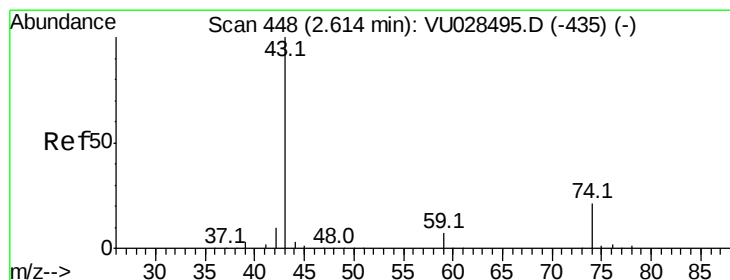
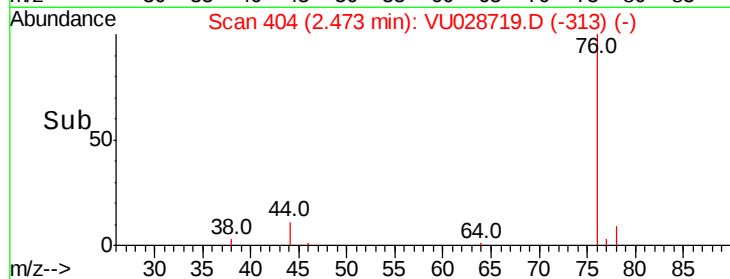
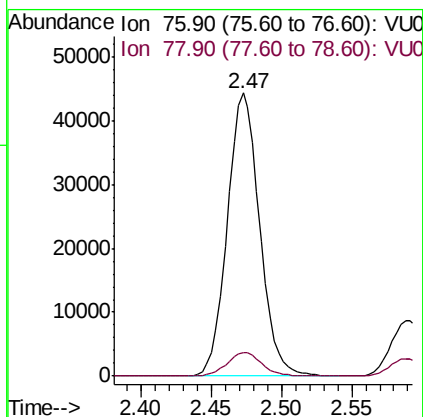
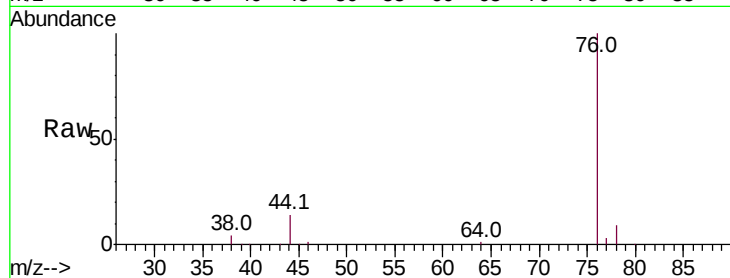




#17
Carbon Disulfide
Concen: 19.493 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

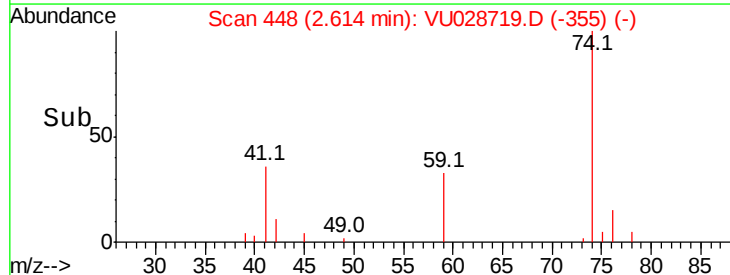
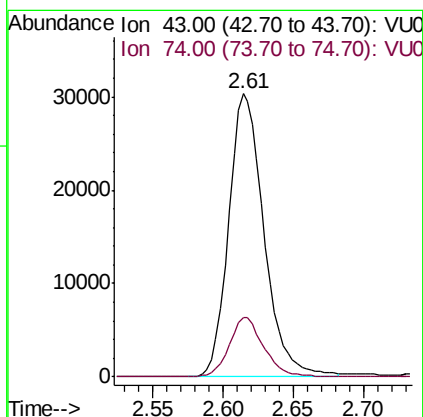
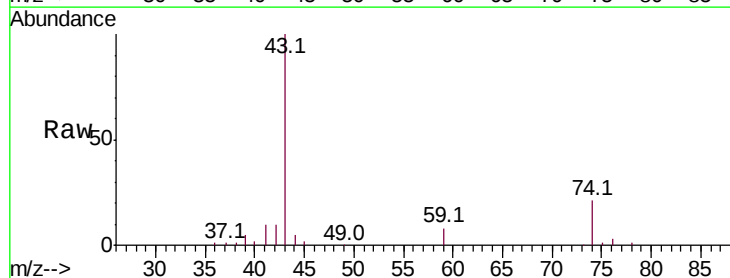
Instrument :
MSVOA_U
ClientSampleId :

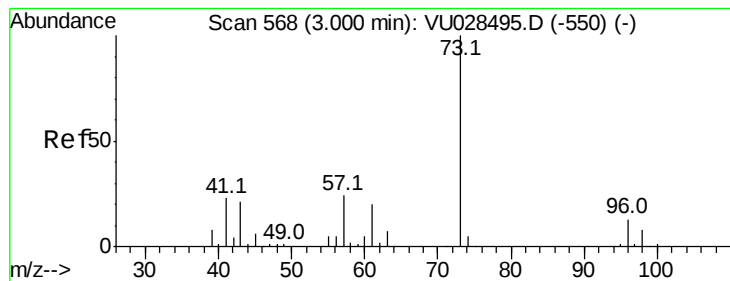
Tot Ion: 76 Resp: 70911
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 22.739 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 43 Resp: 53239
Ion Ratio Lower Upper
43 100
74 20.4 16.4 24.6



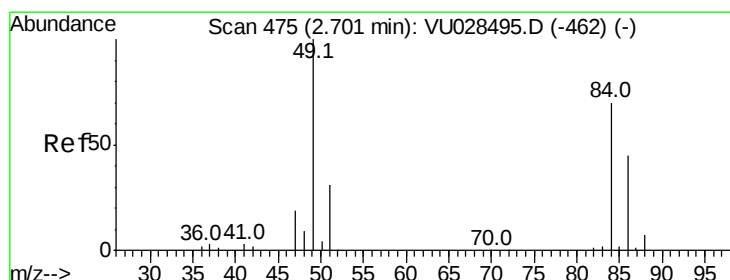
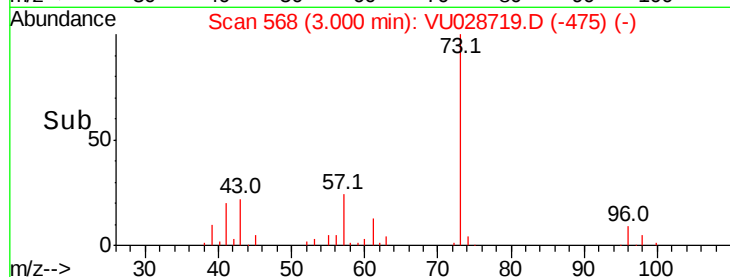
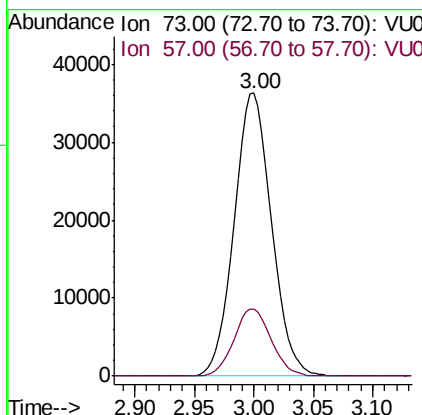
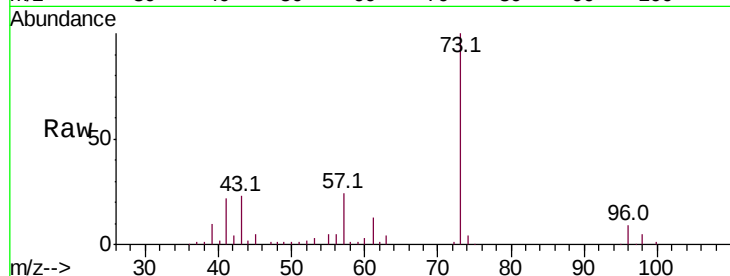


#19

Methyl tert-butyl Ether
 Concen: 20.605 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampled :

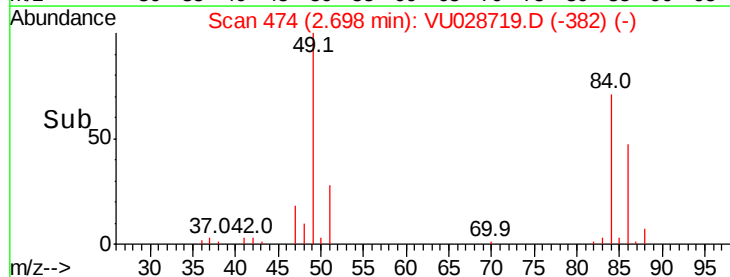
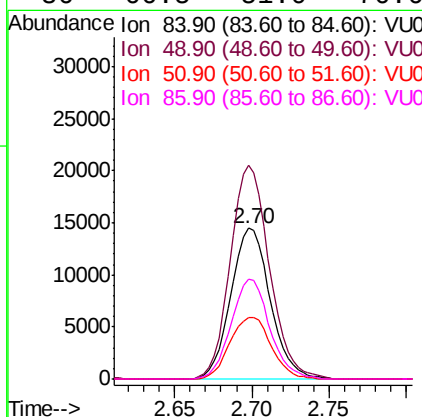
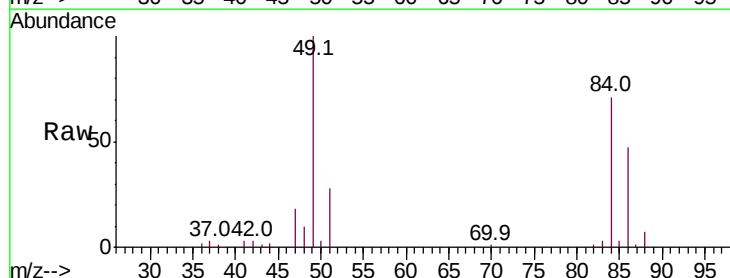
Tot Ion: 73 Resp: 78877
 Ion Ratio Lower Upper
 73 100
 57 23.9 19.4 29.2

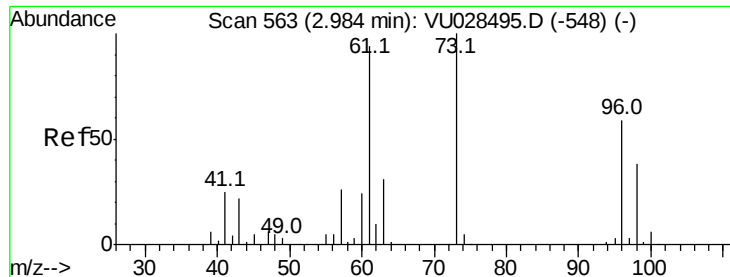


#20

Methylene Chloride
 Concen: 19.234 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 84 Resp: 25609
 Ion Ratio Lower Upper
 84 100
 49 141.7 114.0 171.0
 51 40.4 35.1 52.7
 86 66.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.754 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampled :

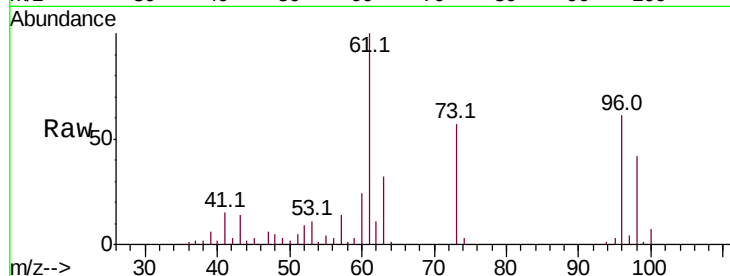
Tot Ion: 96 Resp: 22459

Ion Ratio Lower Upper

96 100

61 164.3 127.0 190.4

98 68.7 51.9 77.9

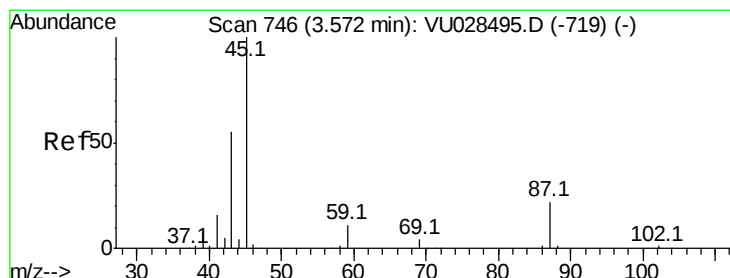
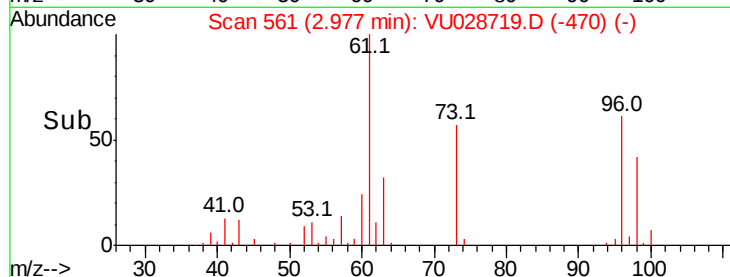
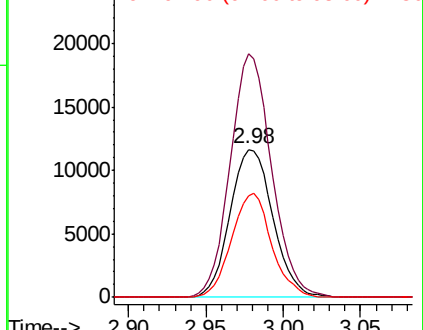


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.710 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion: 45 Resp: 96208

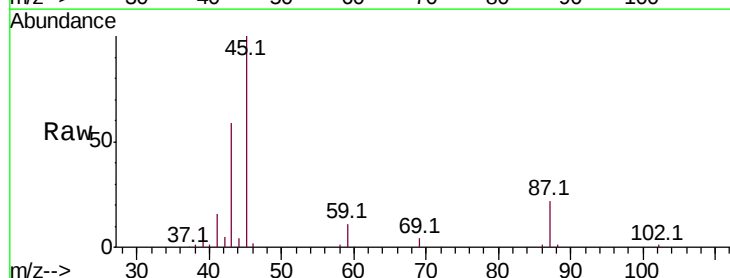
Ion Ratio Lower Upper

45 100

43 58.1 45.3 67.9

87 22.0 17.6 26.4

59 11.1 8.8 13.2



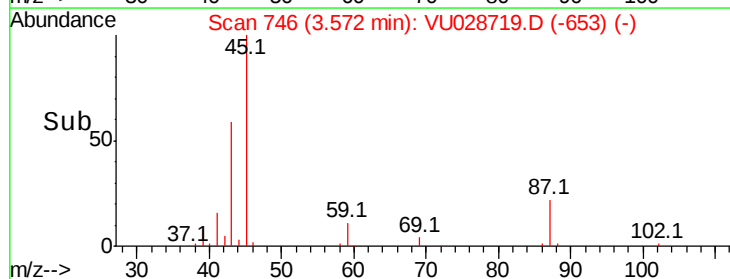
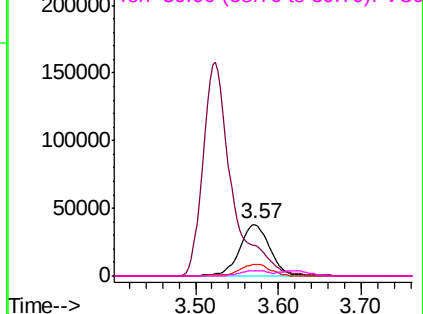
Abundance

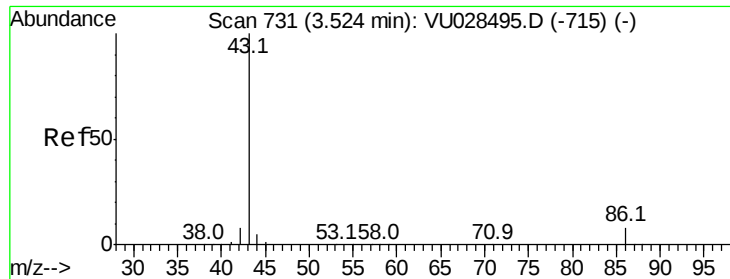
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0

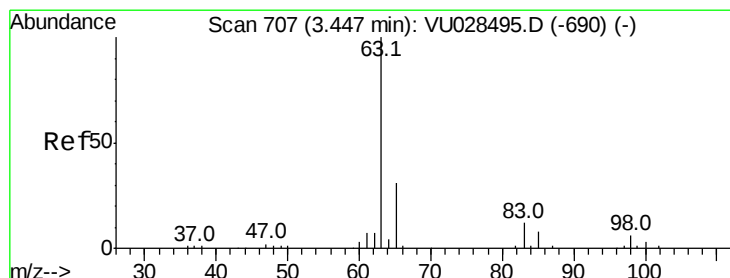
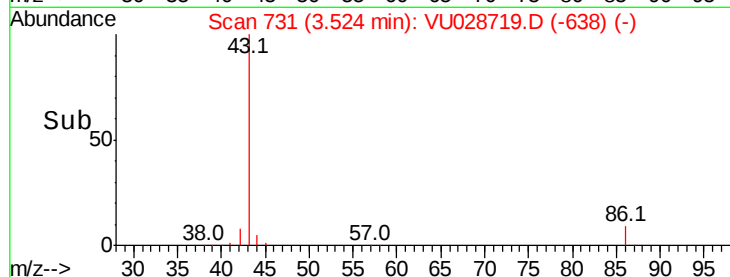
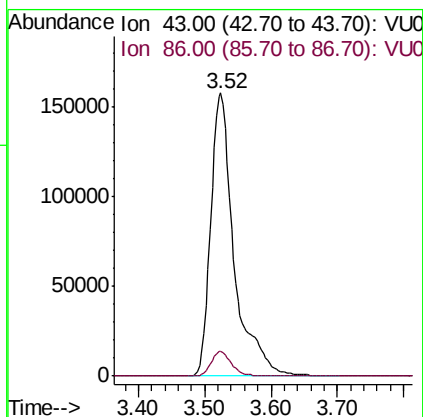
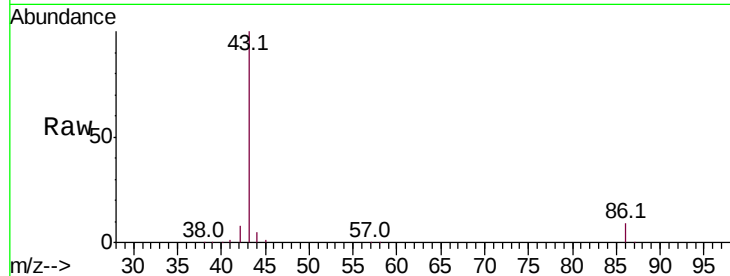




#23
 Vinyl Acetate
 Concen: 100.867 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

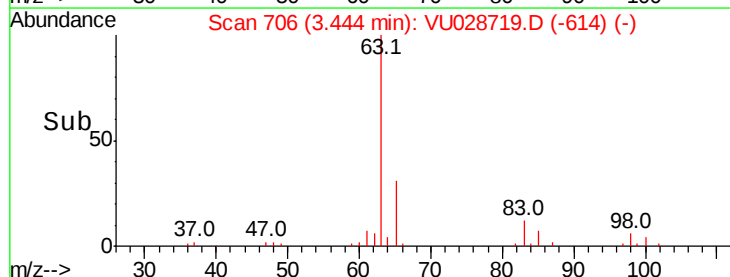
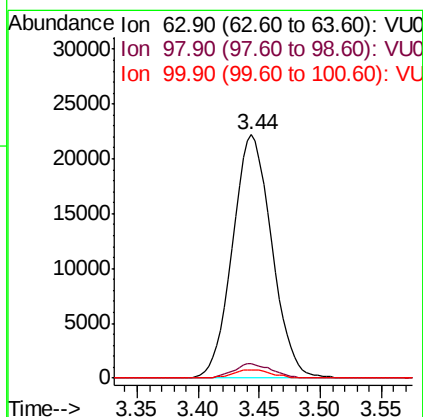
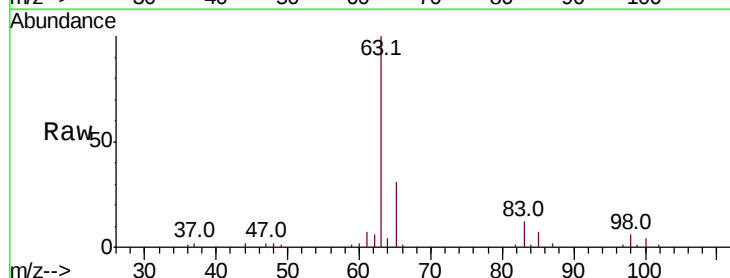
Instrument :
 MSVOA_U
 ClientSampleId :

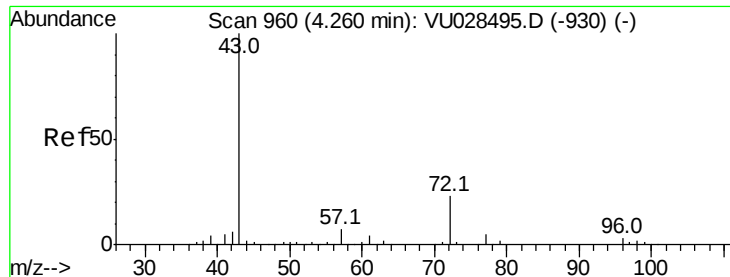
Tot Ion: 43 Resp: 386504
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 20.352 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 63 Resp: 49490
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.5 1.7 5.1





#25

2-Butanone

Concen: 97.370 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

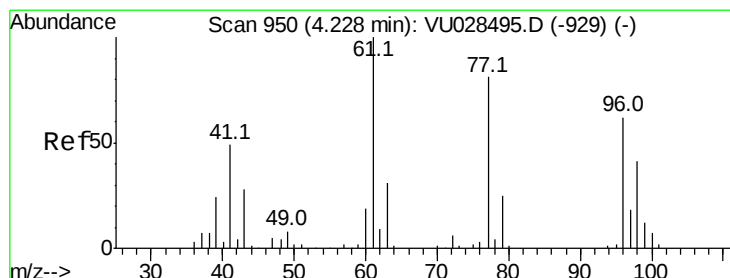
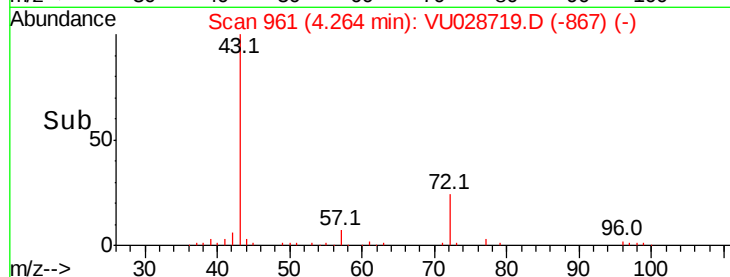
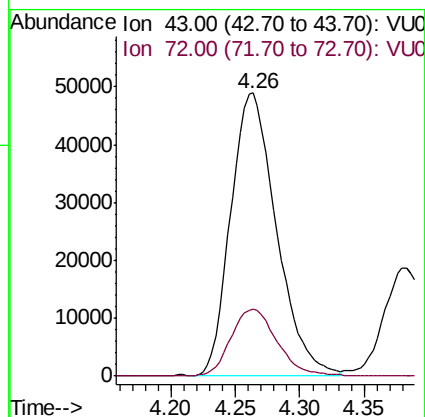
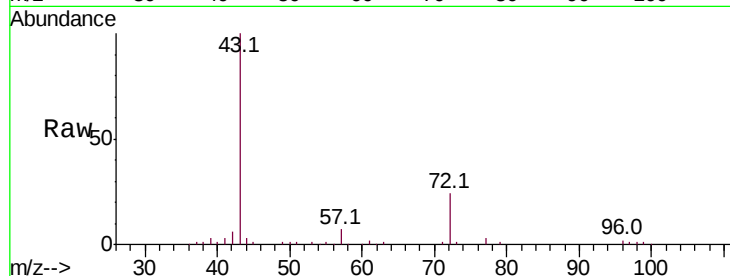
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 120183

Ion Ratio Lower Upper

43 100

72 23.4 18.6 28.0



#26

2,2-Dichloropropane

Concen: 18.912 ug/l

RT: 4.23 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028719.D

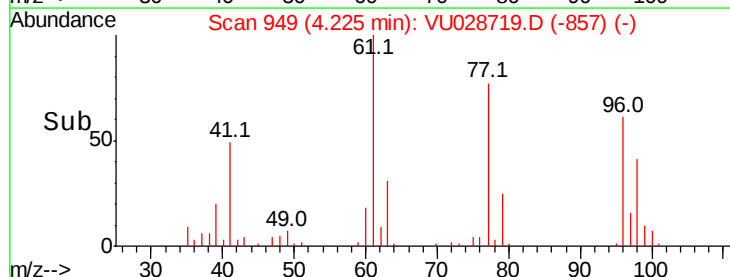
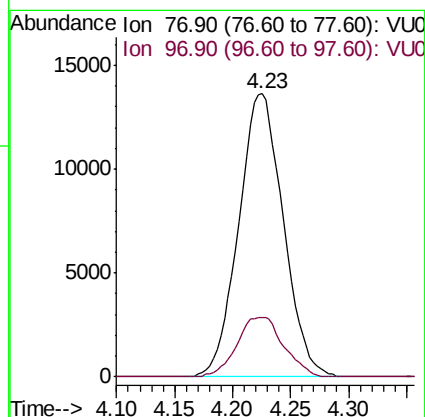
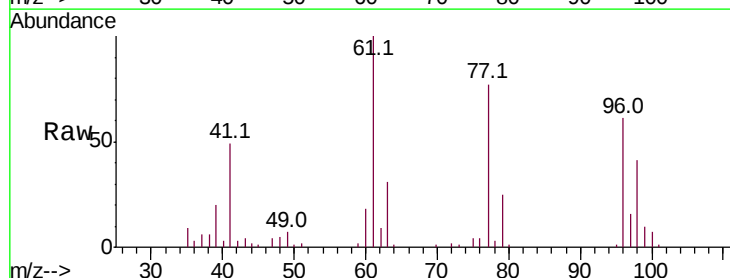
Acq: 17 Dec 2018 14:42

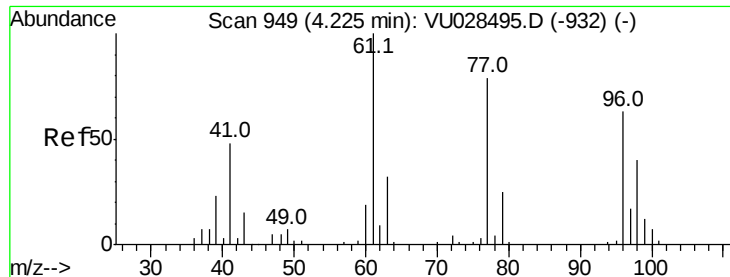
Tgt Ion: 77 Resp: 36440

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0

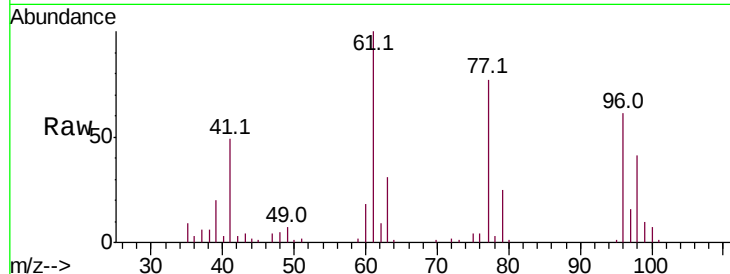




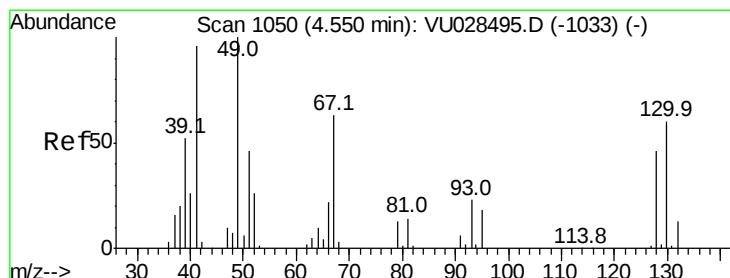
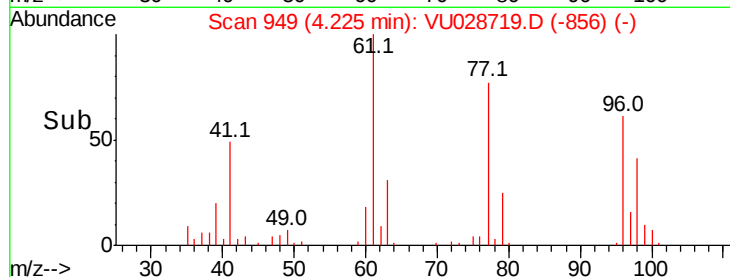
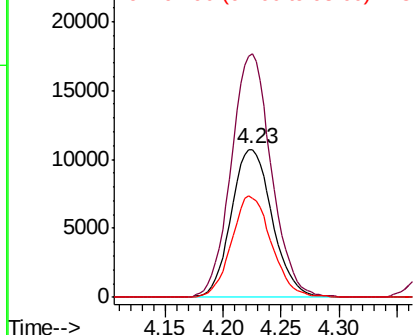
#27
 cis-1,2-Dichloroethene
 Concen: 20.555 ug/l
 RT: 4.23 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 26452
 Ion Ratio Lower Upper
 96 100
 61 160.7 0.0 332.4
 98 66.6 0.0 129.0

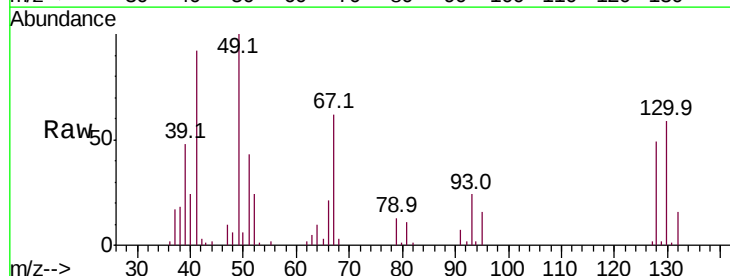


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

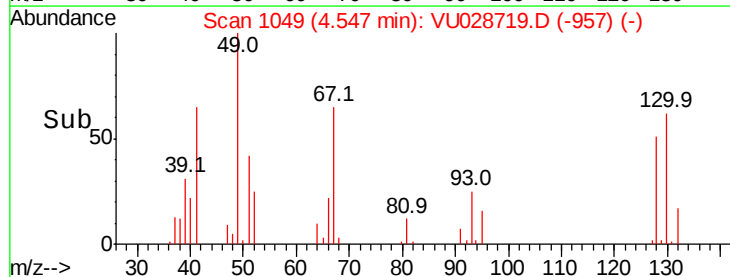
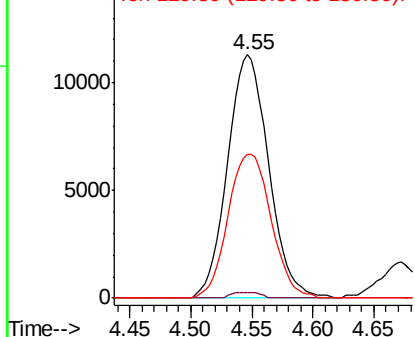


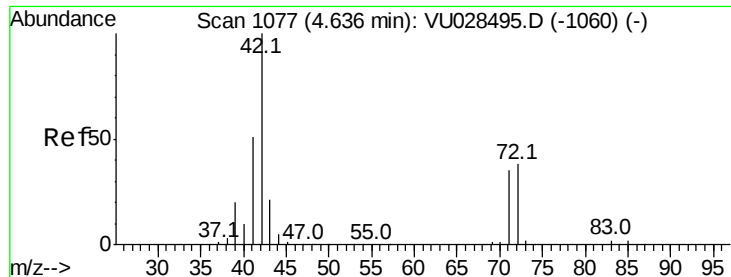
#28
 Bromochloromethane
 Concen: 23.953 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 49 Resp: 26479
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 61.8 47.8 71.8



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





#29

Tetrahydrofuran

Concen: 106.068 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

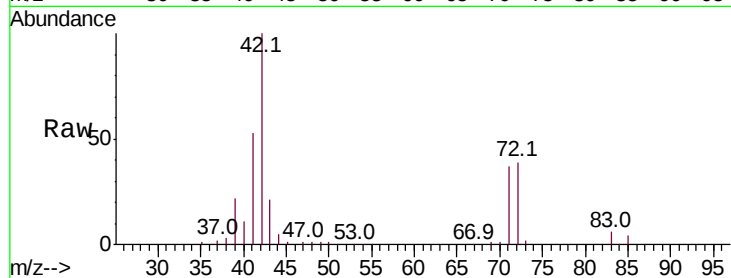
Tot Ion: 42 Resp: 84081

Ion Ratio Lower Upper

42 100

72 38.7 31.4 47.0

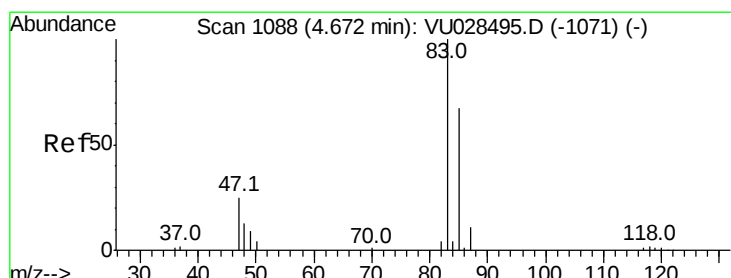
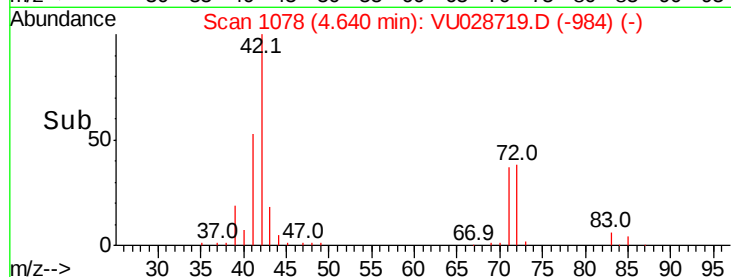
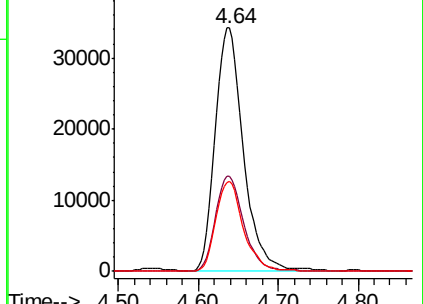
71 36.0 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 20.848 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028719.D

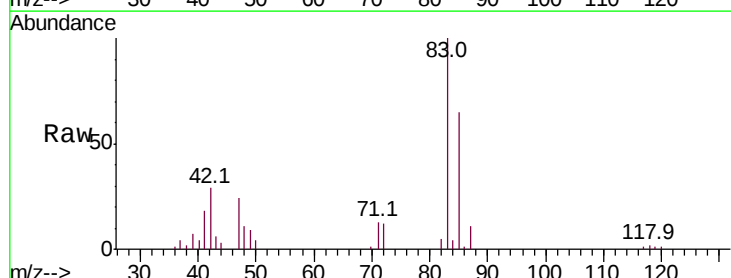
Acq: 17 Dec 2018 14:42

Tgt Ion: 83 Resp: 44186

Ion Ratio Lower Upper

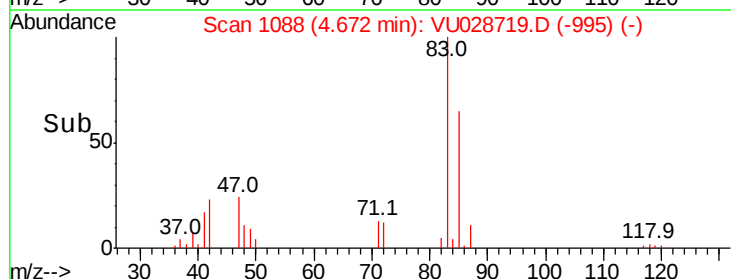
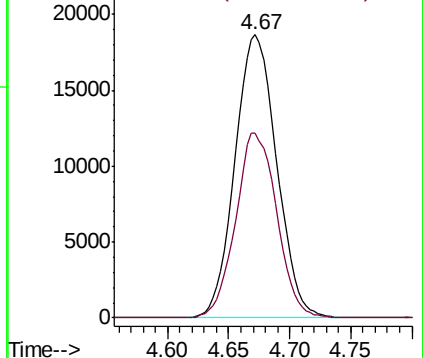
83 100

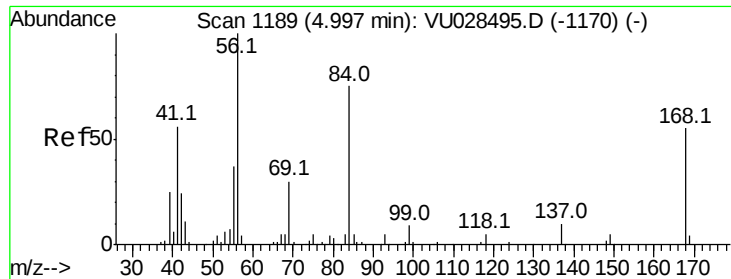
85 65.1 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

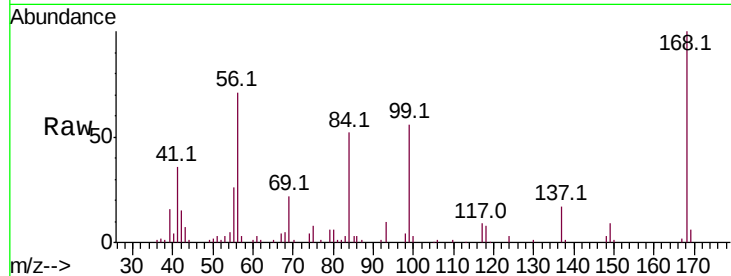




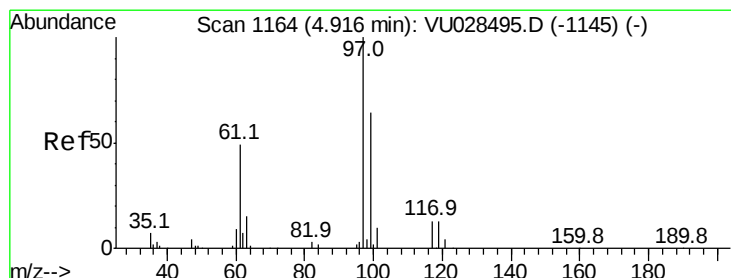
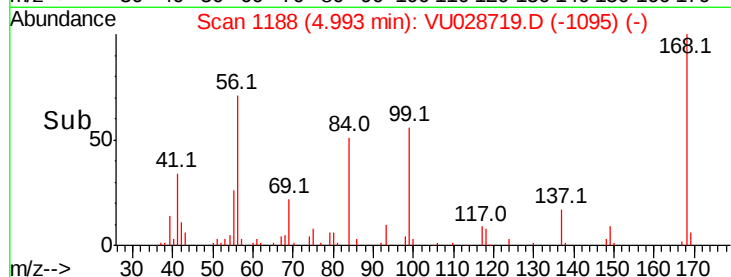
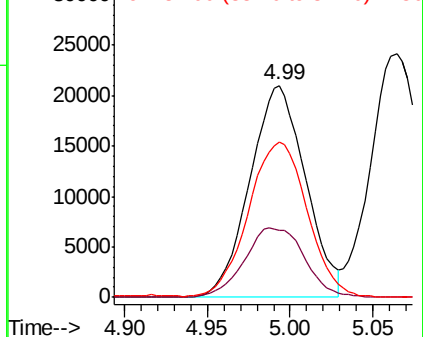
#31
Cyclohexane
Concen: 19.965 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 49083
Ion Ratio Lower Upper
56 100
69 31.7 24.0 36.0
84 72.5 59.7 89.5

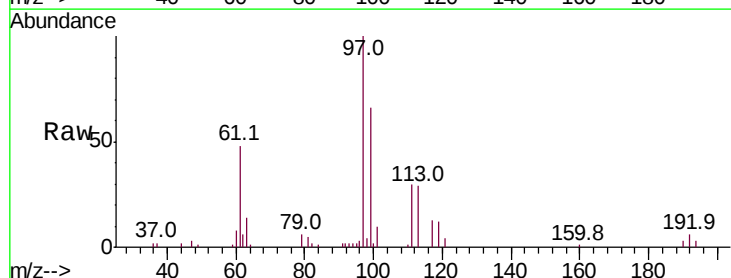


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

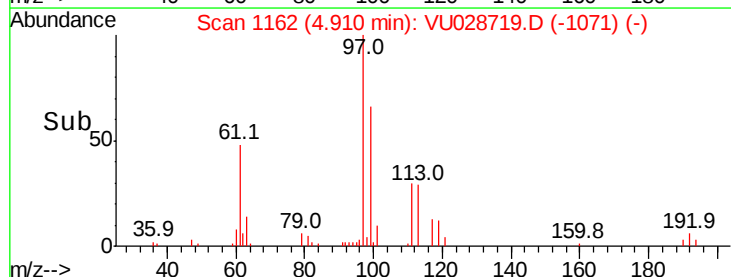
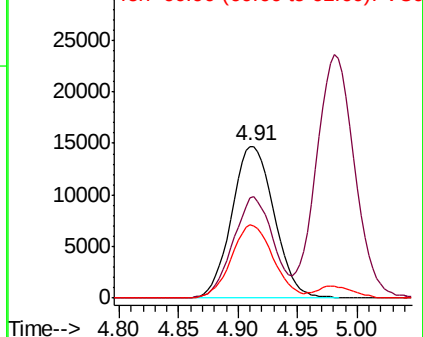


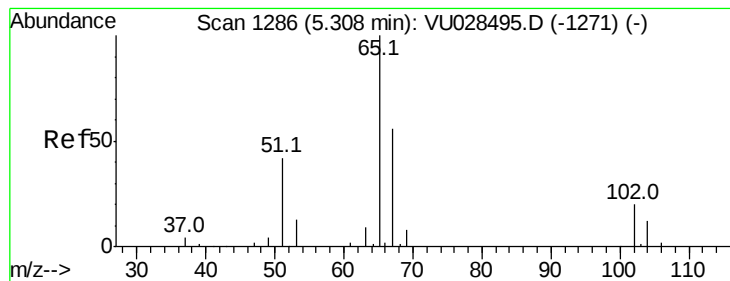
#32
1,1,1-Trichloroethane
Concen: 20.682 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 97 Resp: 36406
Ion Ratio Lower Upper
97 100
99 63.4 52.3 78.5
61 47.4 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: 51.225 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

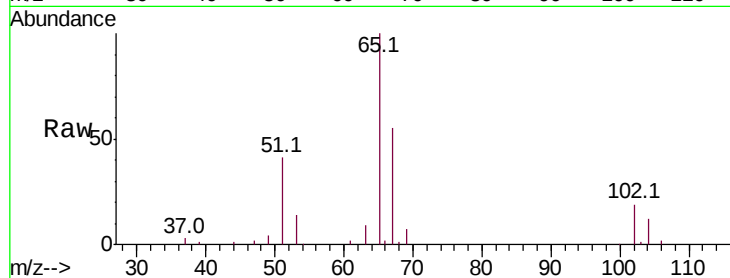
ClientSampleId :

Tot Ion: 65 Resp: 70900

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

30000

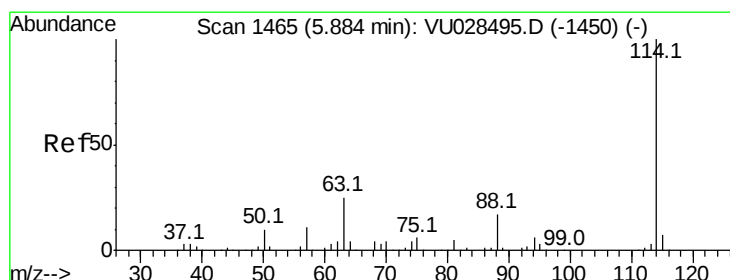
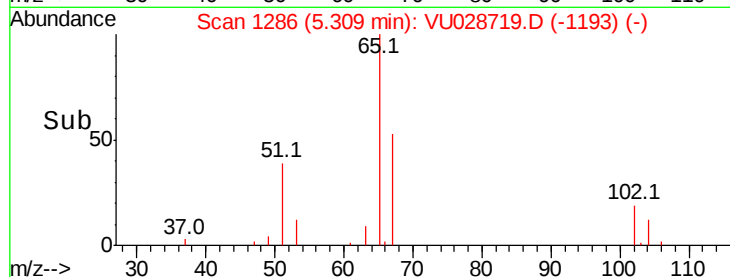
20000

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: VU028719.D

Acq: 17 Dec 2018 14:42

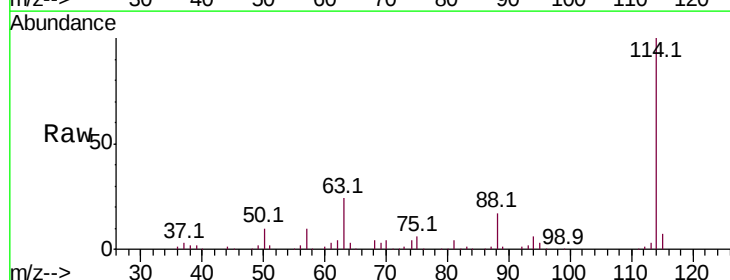
Tgt Ion: 114 Resp: 157150

Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.2

88 16.9 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

100000

80000

60000

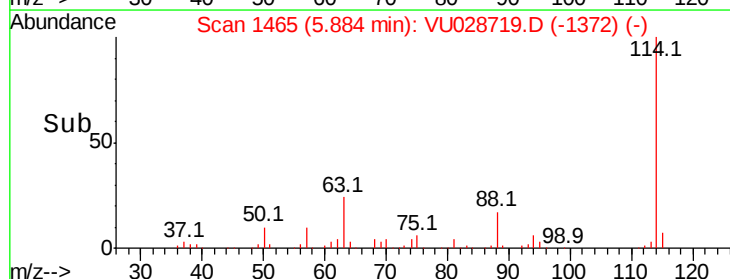
40000

20000

0

Time-->

5.80 5.85 5.90 5.95

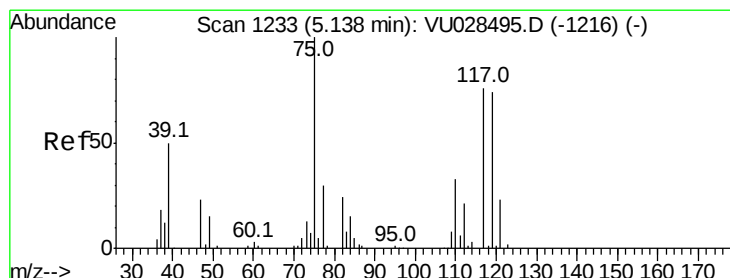
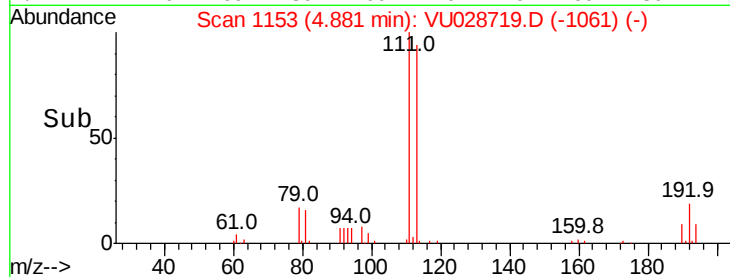
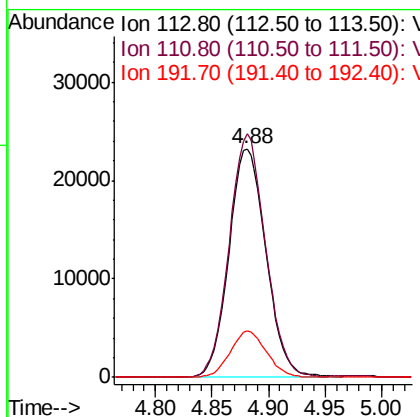
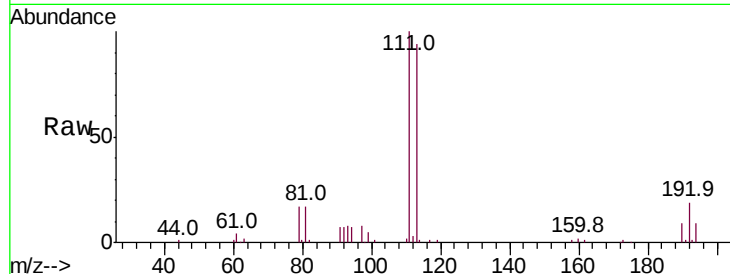




#35
 Dibromofluoromethane
 Concen: 53.655 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

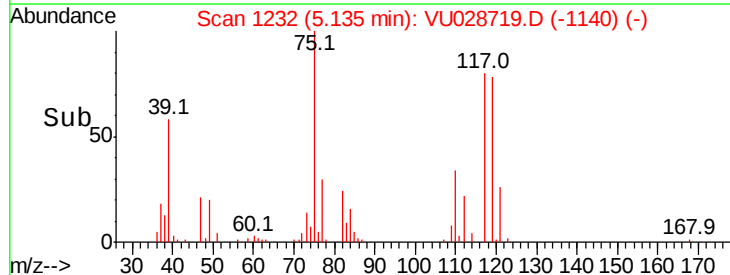
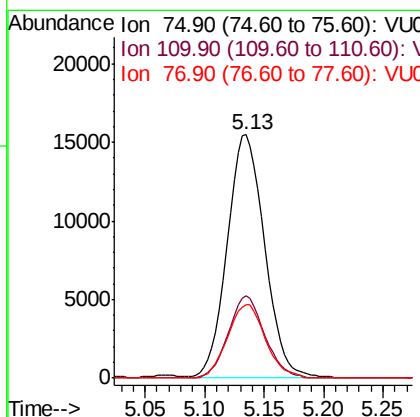
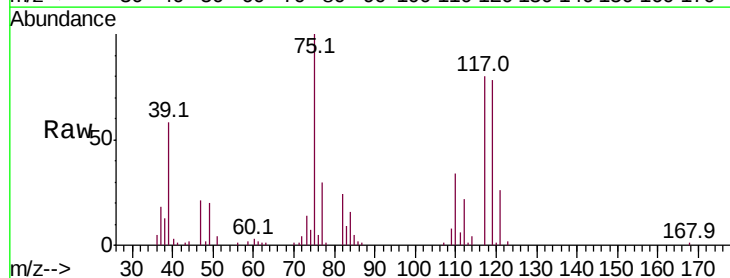
Instrument :
 MSVOA_U
 ClientSampleId :

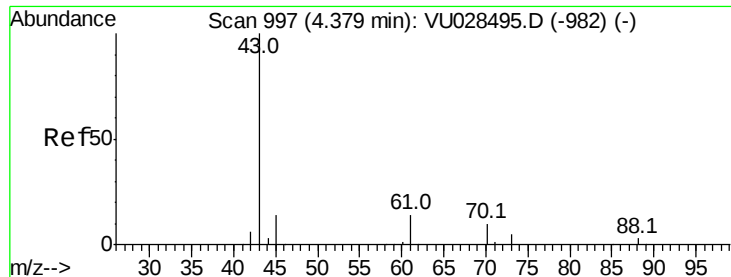
Tot Ion:113 Resp: 53062
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.4 125.0
 192 19.6 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 19.706 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 75 Resp: 33887
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.1 48.2
 77 30.3 24.5 36.7





#37

Ethyl Acetate

Concen: 20.304 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

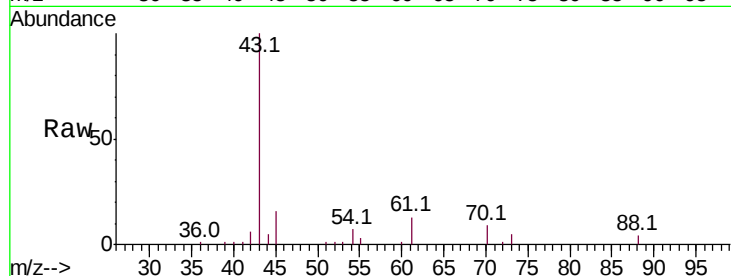
Tot Ion: 43 Resp: 45137

Ion Ratio Lower Upper

43 100

61 13.6 11.0 16.4

70 9.4 7.4 11.0

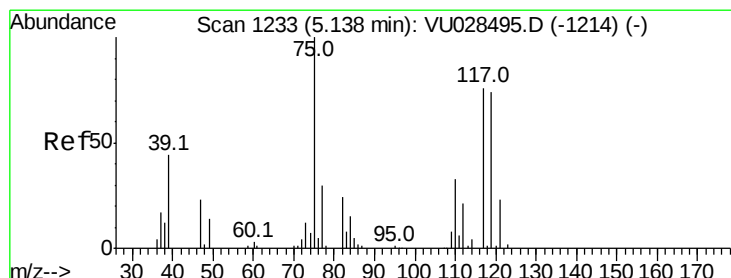
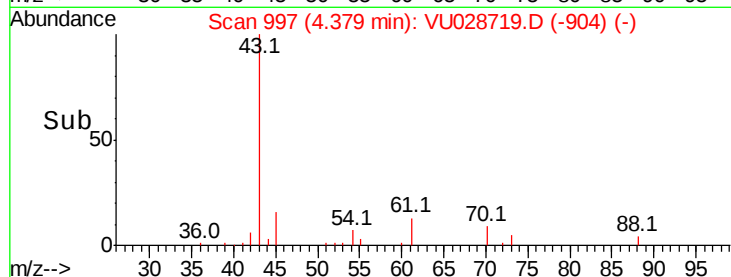
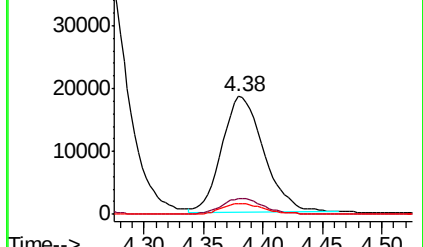


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 20.920 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

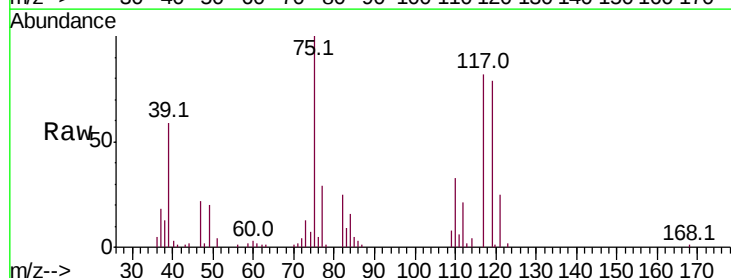
Tgt Ion: 117 Resp: 28996

Ion Ratio Lower Upper

117 100

119 97.4 77.6 116.4

121 31.3 24.6 36.8

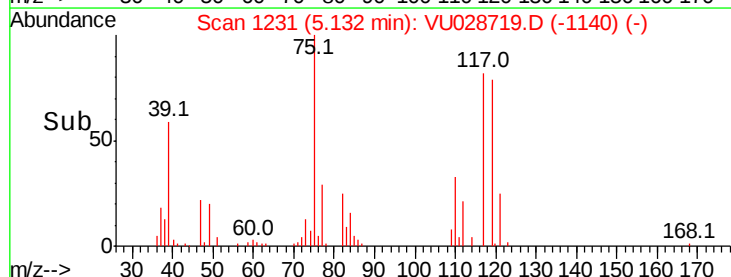
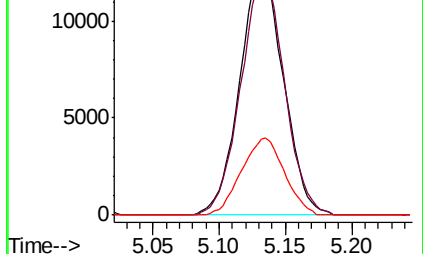


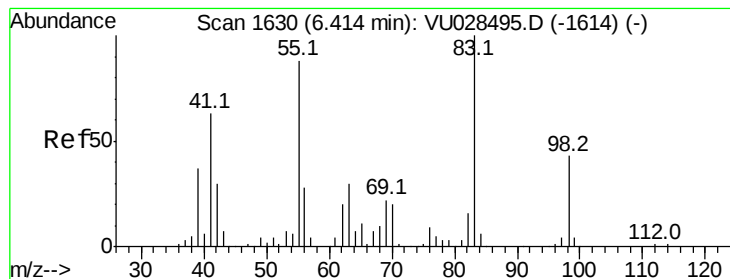
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

Time-->





#39

Methvlcvclohexane

Concen: 19.374 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :

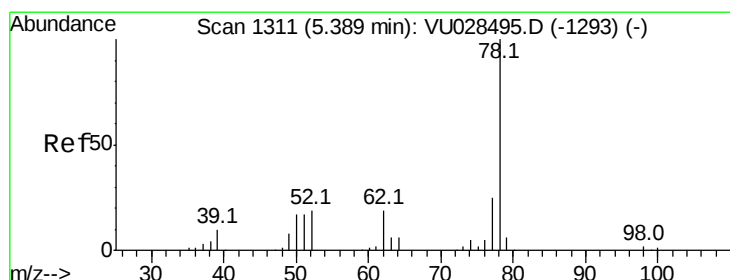
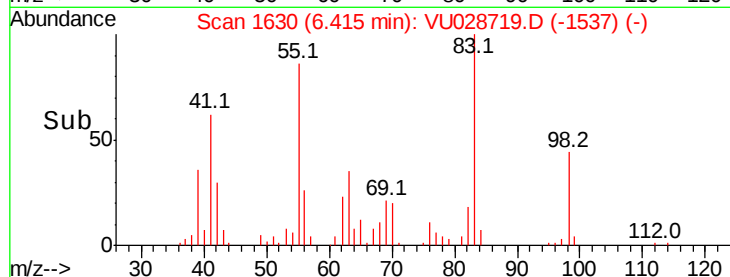
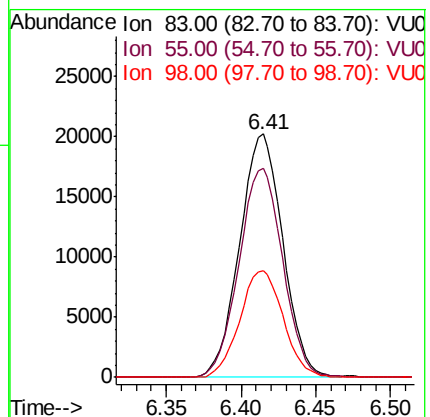
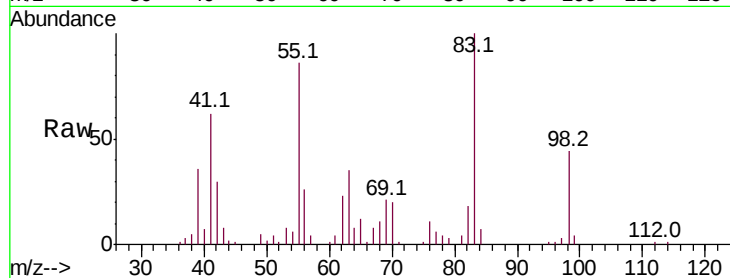
Tot Ion: 83 Resp: 40647

Ion Ratio Lower Upper

83 100

55 85.7 70.2 105.2

98 44.0 34.2 51.4



#40

Benzene

Concen: 20.628 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028719.D

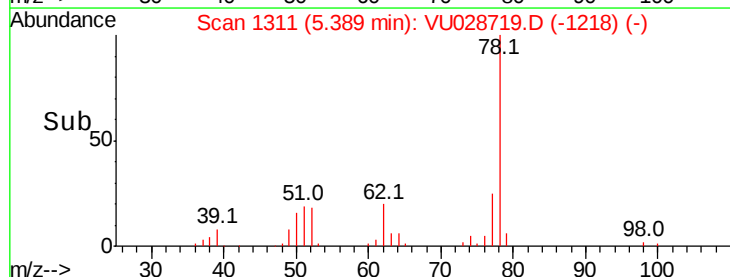
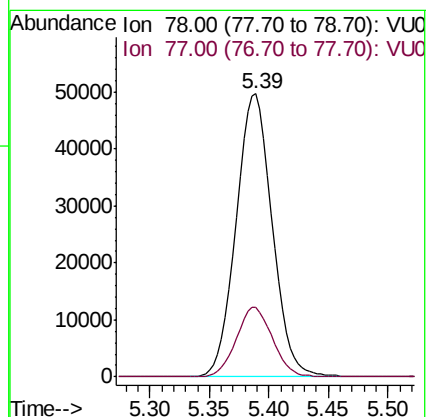
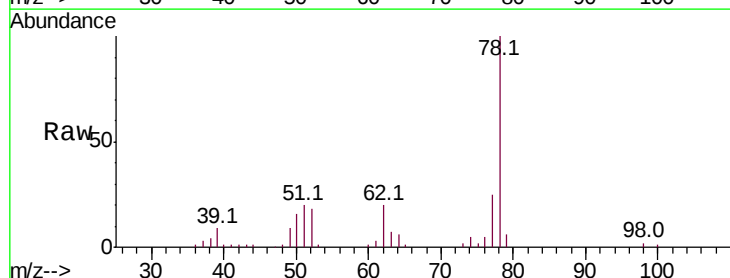
Acq: 17 Dec 2018 14:42

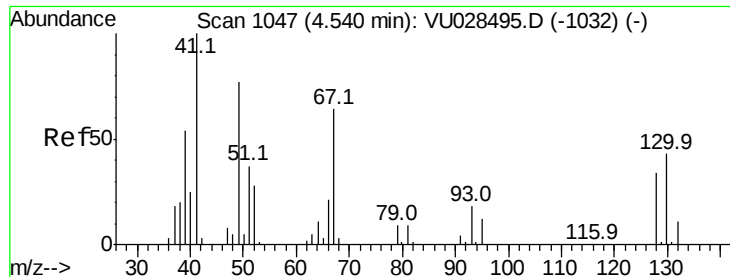
Tgt Ion: 78 Resp: 104477

Ion Ratio Lower Upper

78 100

77 24.6 19.9 29.9

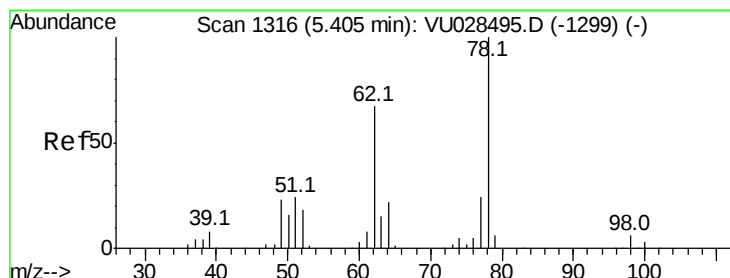
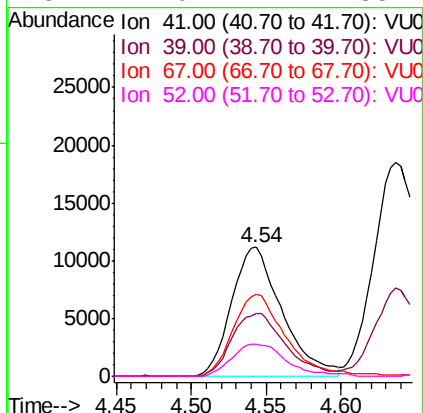
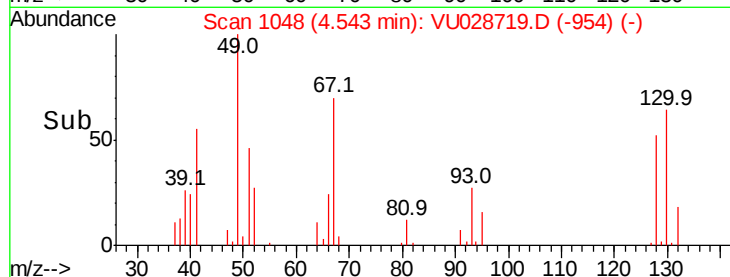
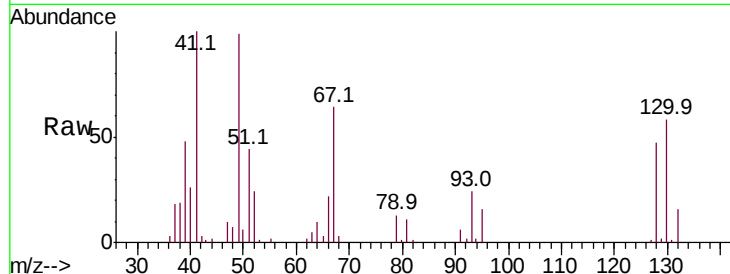




#41
Methacrylonitrile
Concen: 21.501 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

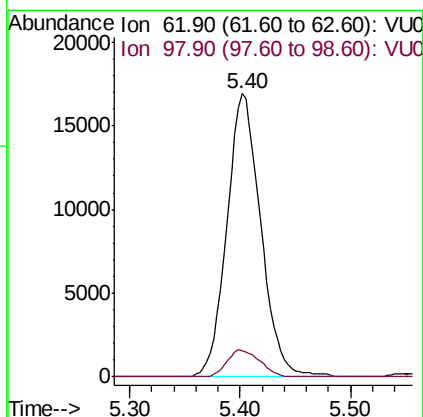
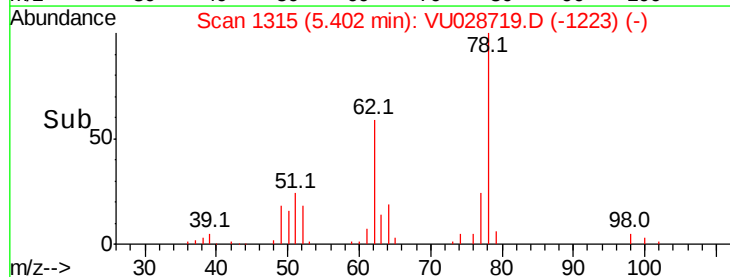
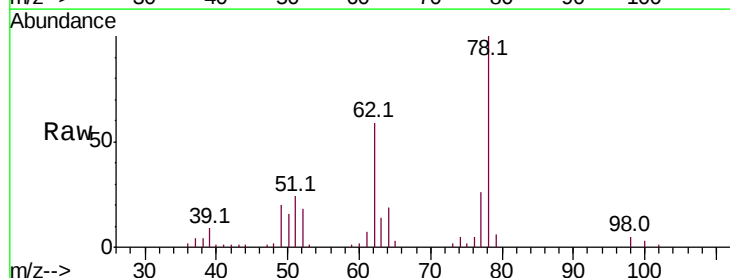
Instrument :
MSVOA_U
ClientSampleId :

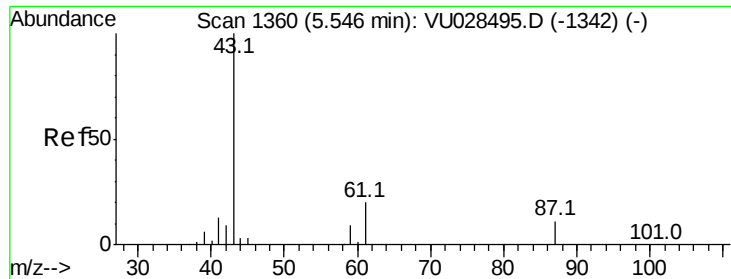
Tot Ion: 41 Resp: 26176
Ion Ratio Lower Upper
41 100
39 51.6 43.3 64.9
67 66.2 53.6 80.4
52 27.0 22.1 33.1



#42
1,2-Dichloroethane
Concen: 20.333 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 62 Resp: 36048
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 20.884 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

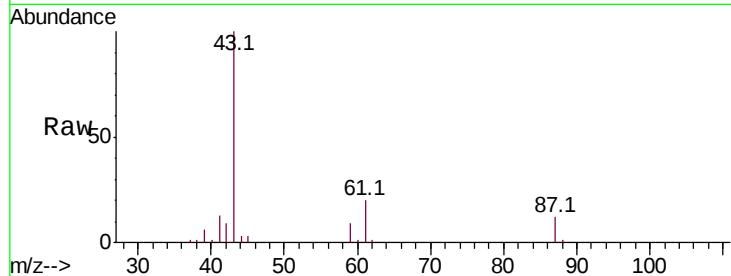
Tot Ion: 43 Resp: 73430

Ion Ratio Lower Upper

43 100

61 19.2 15.5 23.3

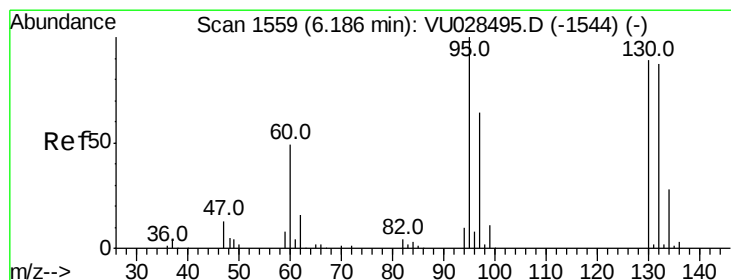
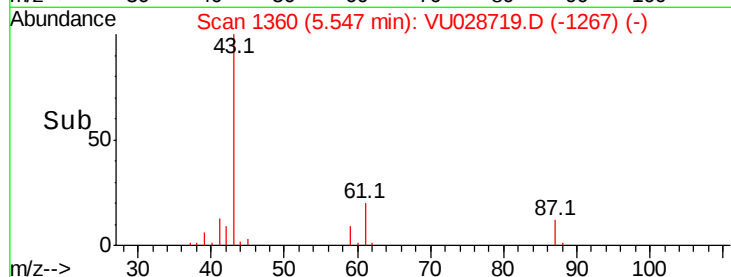
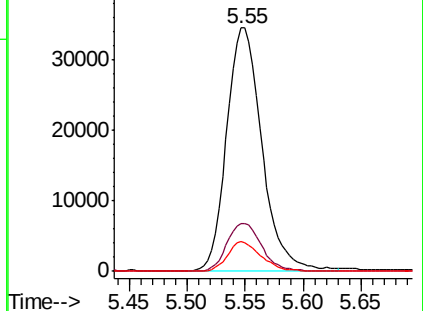
87 11.4 8.7 13.1



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

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

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



#44

Trichloroethene

Concen: 21.087 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028719.D

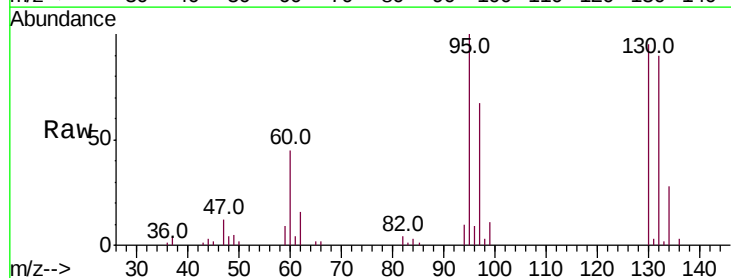
Acq: 17 Dec 2018 14:42

Tgt Ion:130 Resp: 23747

Ion Ratio Lower Upper

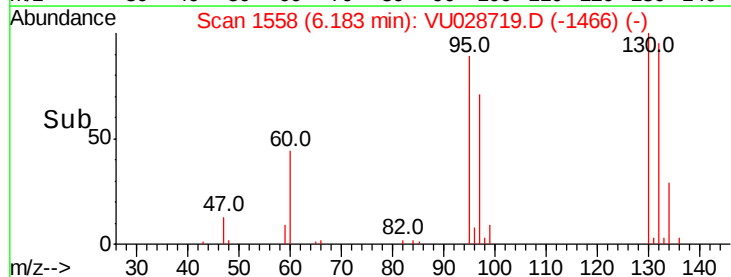
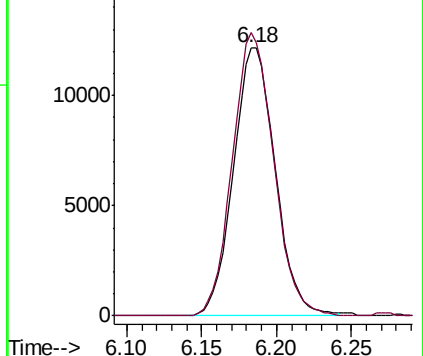
130 100

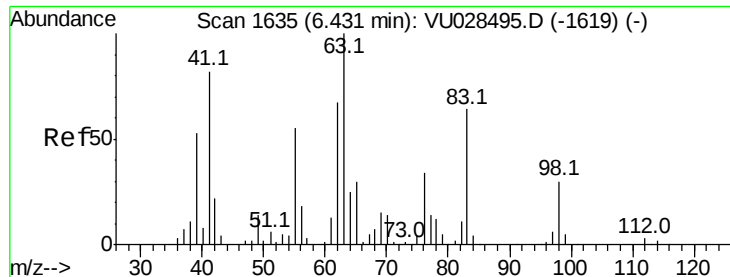
95 105.5 0.0 224.0



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

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





#45

1,2-Dichloropropane

Concen: 21.331 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

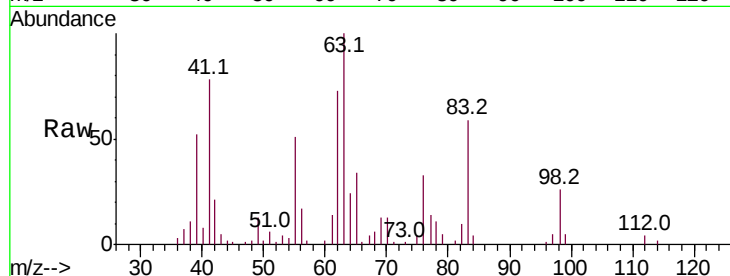
ClientSampleId :

Tot Ion: 63 Resp: 30381

Ion Ratio Lower Upper

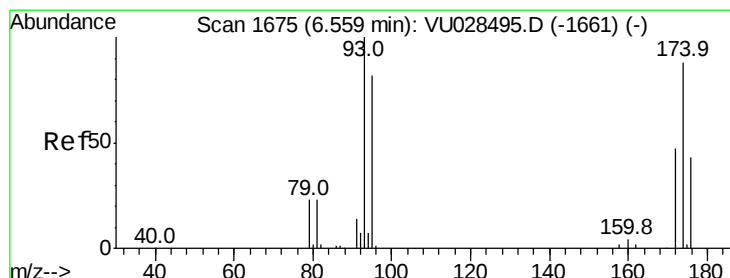
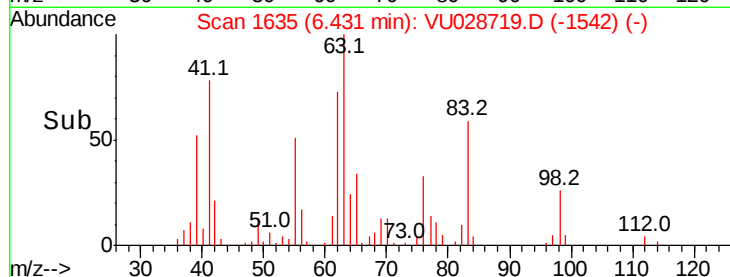
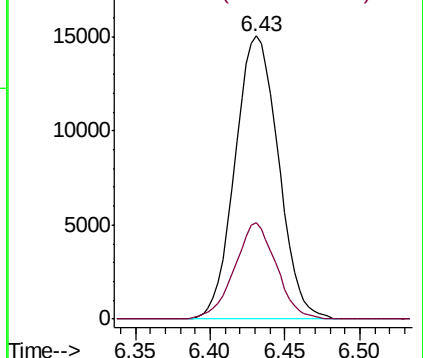
63 100

65 33.9 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU028719.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU028719.D (-1542) (-)



#46

Dibromomethane

Concen: 21.739 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

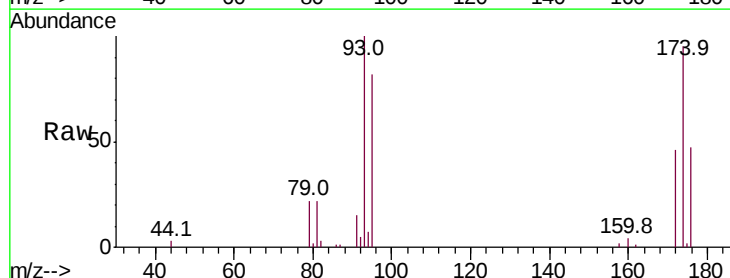
Tgt Ion: 93 Resp: 18371

Ion Ratio Lower Upper

93 100

95 80.5 65.4 98.2

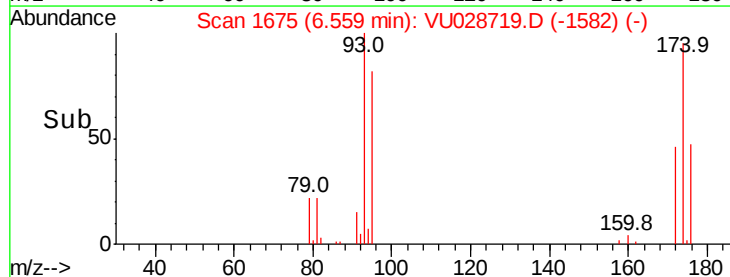
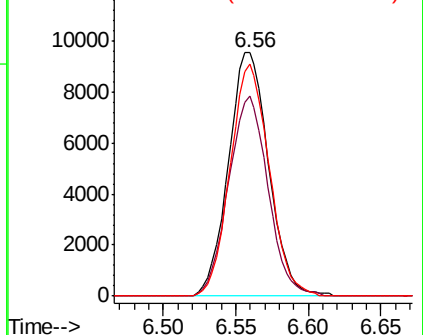
174 92.5 72.2 108.4

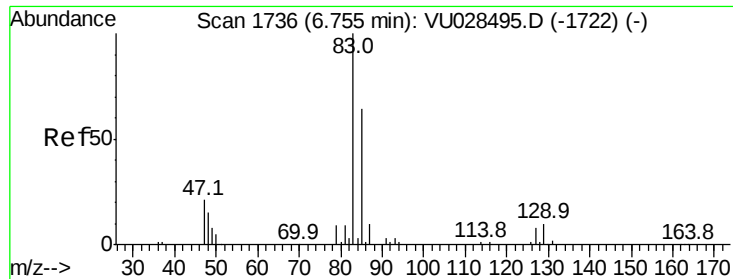


Abundance Ion 92.80 (92.50 to 93.50): VU028719.D (-1582) (-)

Ion 94.80 (94.50 to 95.50): VU028719.D (-1582) (-)

Ion 173.70 (173.40 to 174.40): VU028719.D (-1582) (-)





#47

Bromodichloromethane

Concen: 21.200 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampled :

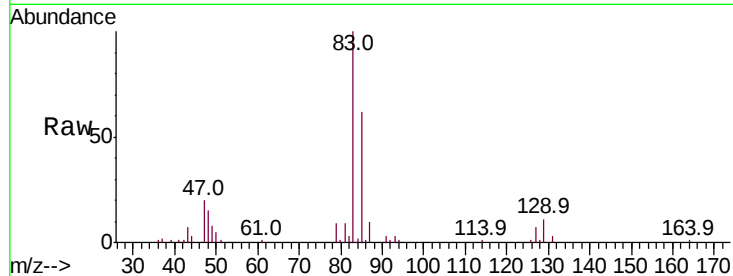
Tot Ion: 83 Resp: 34862

Ion Ratio Lower Upper

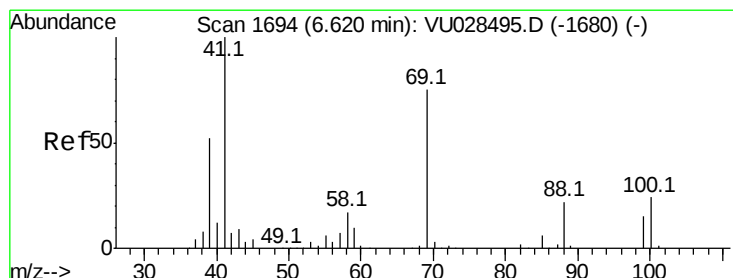
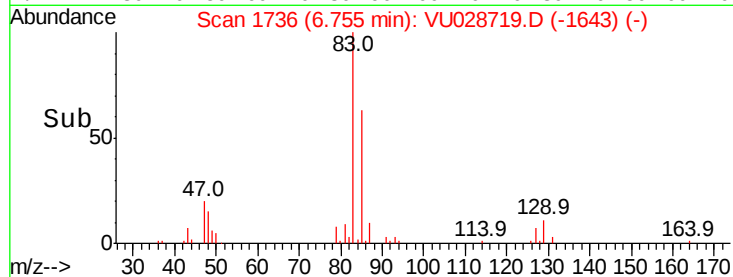
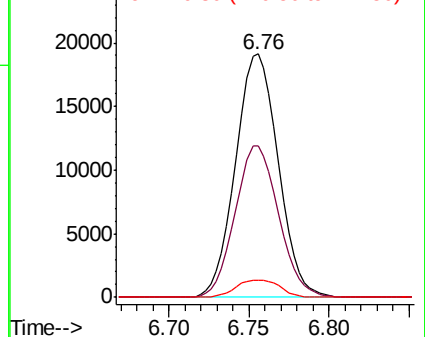
83 100

85 62.2 51.5 77.3

127 7.2 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.919 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

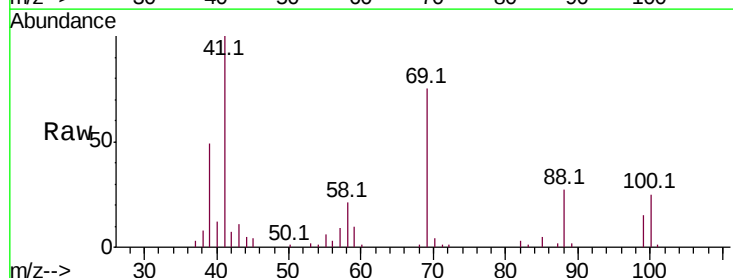
Tgt Ion: 41 Resp: 36579

Ion Ratio Lower Upper

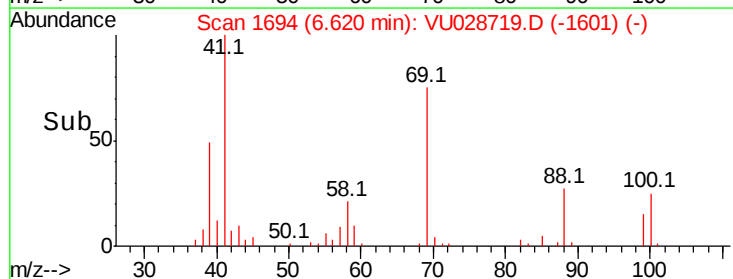
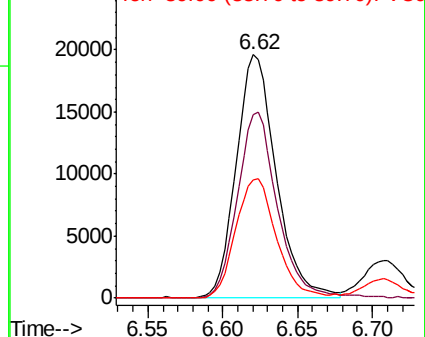
41 100

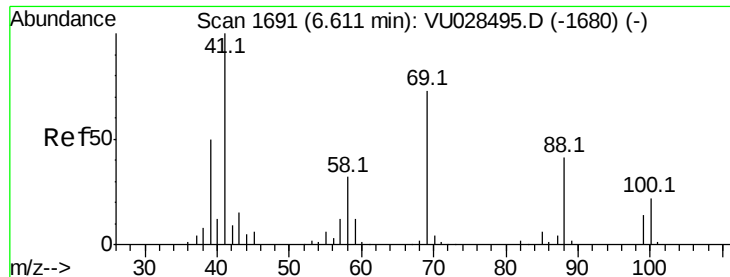
69 76.6 60.4 90.6

39 49.7 41.1 61.7



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

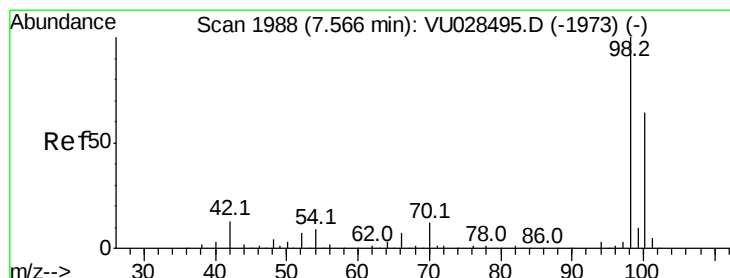
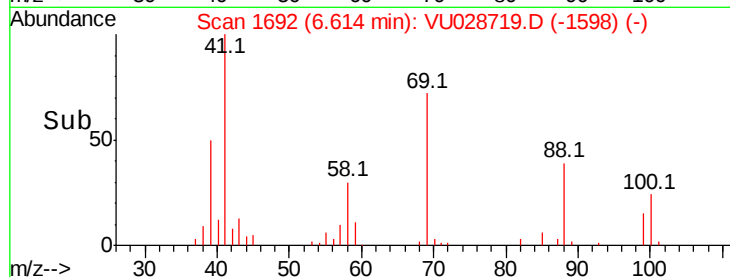
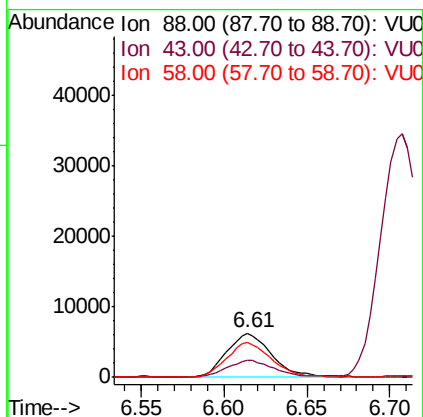
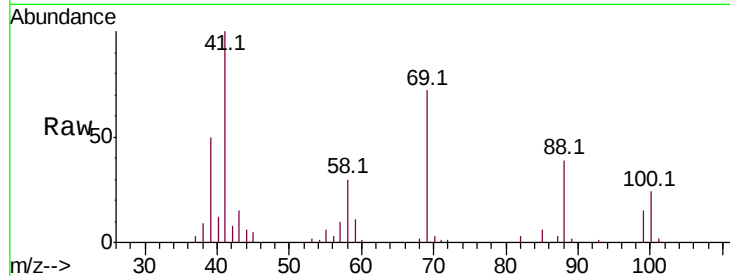




#49
1,4-Dioxane
Concen: 429.812 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

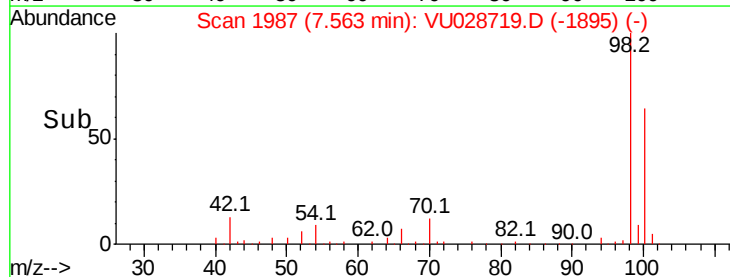
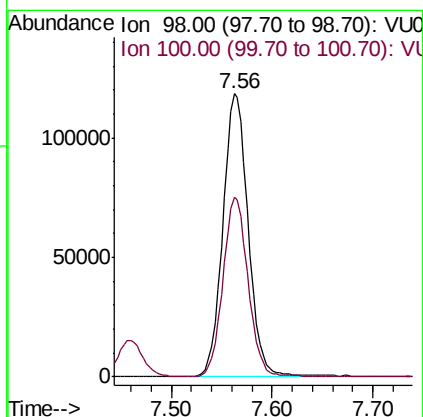
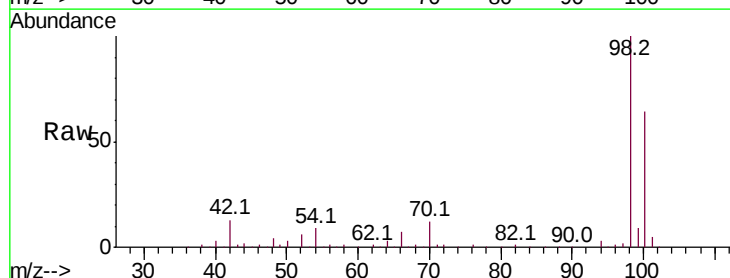
Instrument :
MSVOA_U
ClientSampleId :

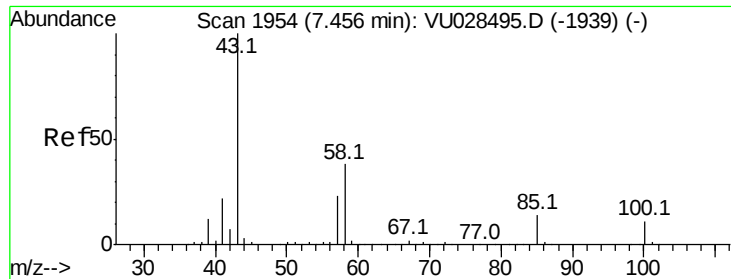
Tot Ion: 88 Resp: 11867
Ion Ratio Lower Upper
88 100
43 41.3 30.9 46.3
58 77.6 62.4 93.6



#50
Toluene-d8
Concen: 53.289 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 98 Resp: 208474
Ion Ratio Lower Upper
98 100
100 62.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 105.412 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

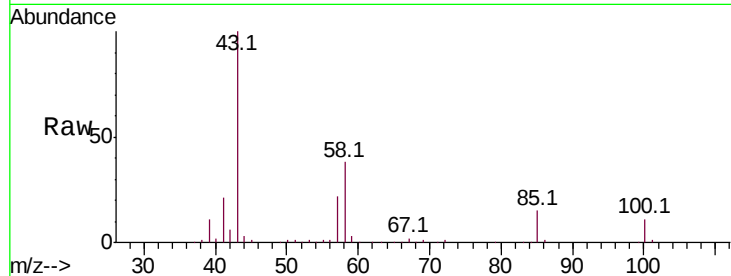
ClientSampled :

Tot Ion: 43 Resp: 233771

Ion Ratio Lower Upper

43 100

58 38.4 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

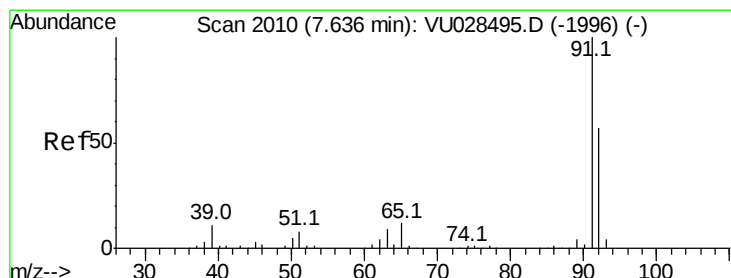
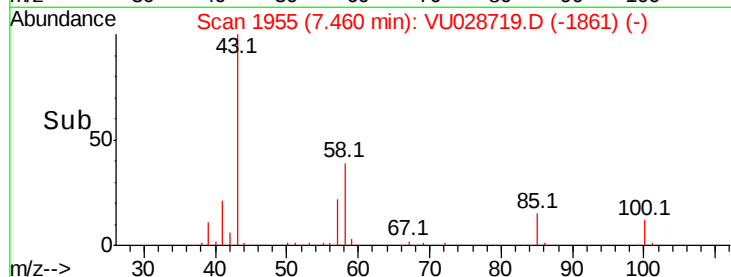
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 20.510 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028719.D

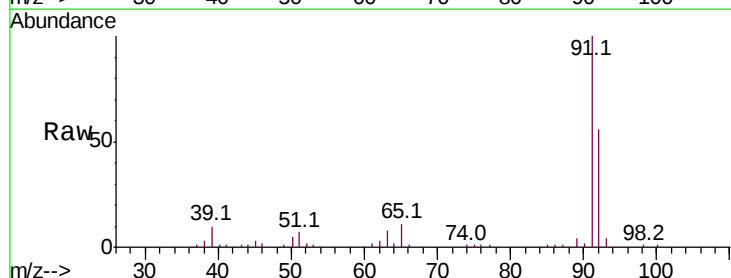
Acq: 17 Dec 2018 14:42

Tgt Ion: 92 Resp: 61135

Ion Ratio Lower Upper

92 100

91 178.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

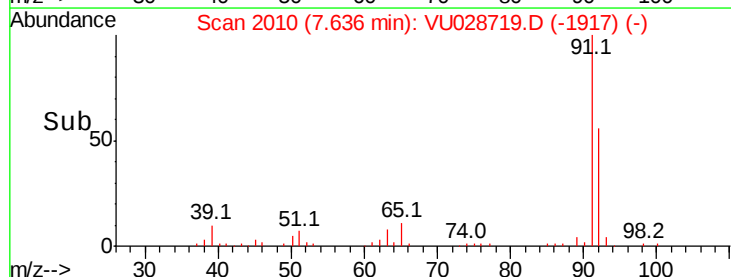
60000

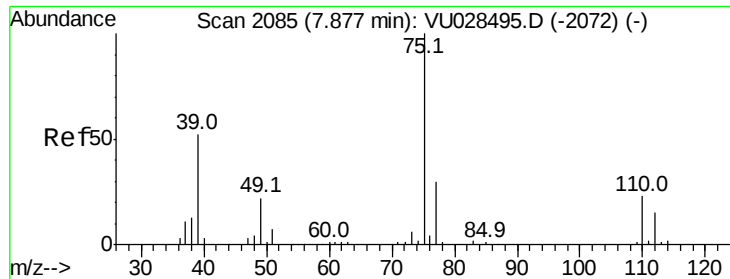
40000

20000

0

Time--> 7.55 7.60 7.65 7.70

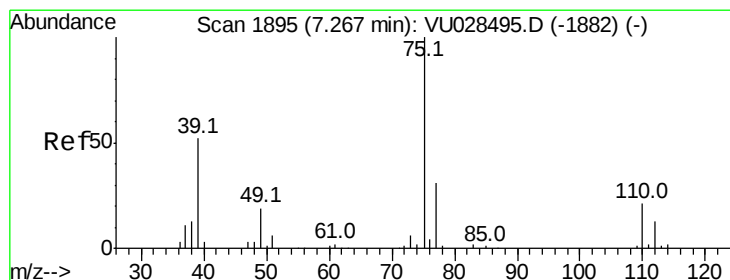
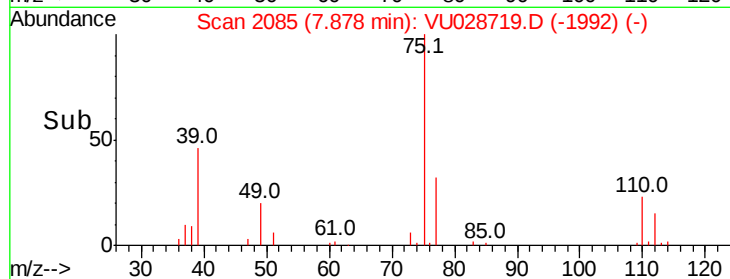
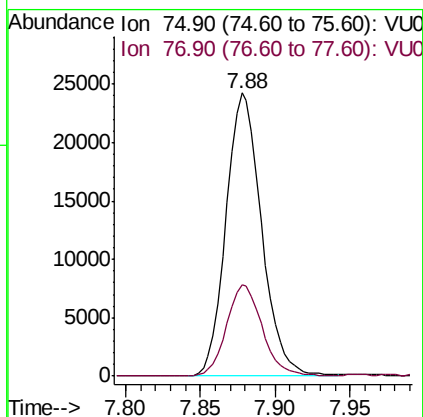
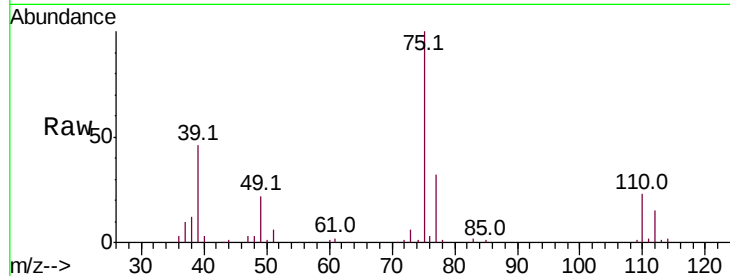




#53
t-1,3-Dichloropropene
Concen: 20.493 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

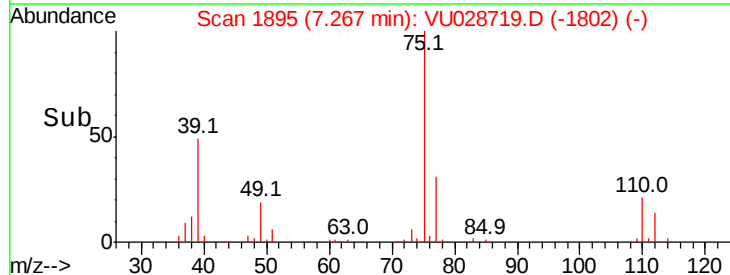
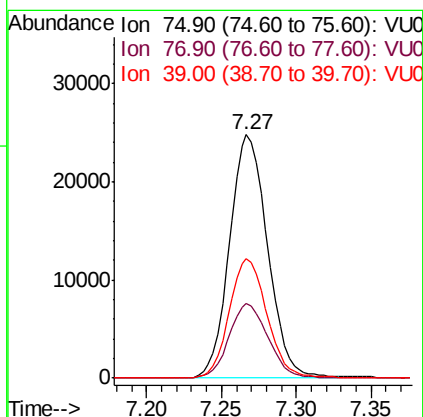
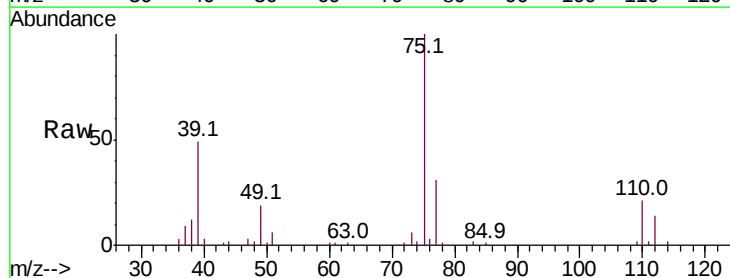
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 40136
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 20.651 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 75 Resp: 43880
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 49.2 41.3 61.9

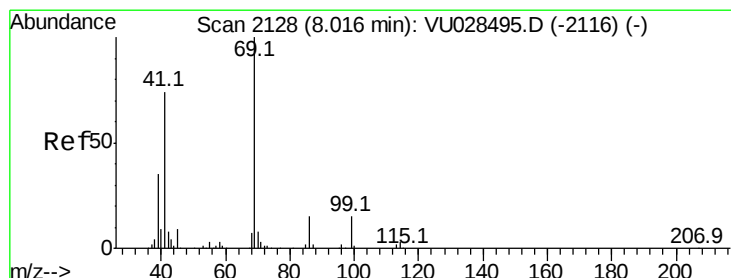
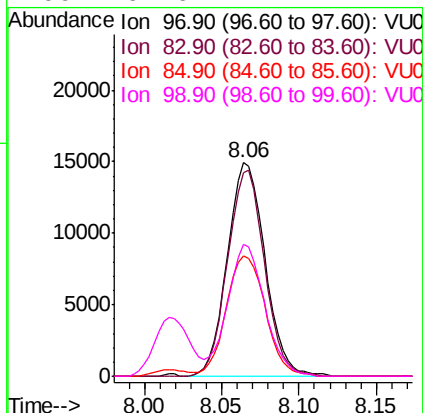
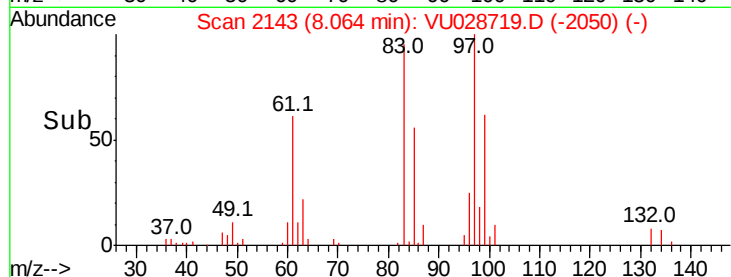
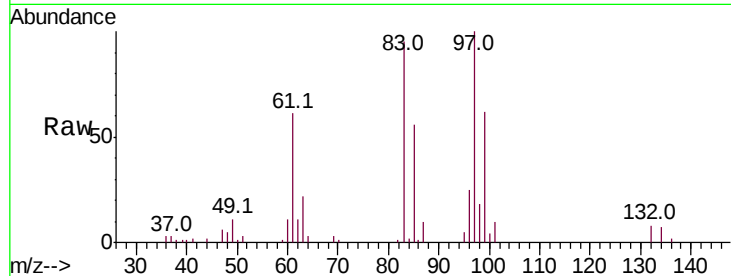




#55
 1,1,2-Trichloroethane
 Concen: 21.510 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

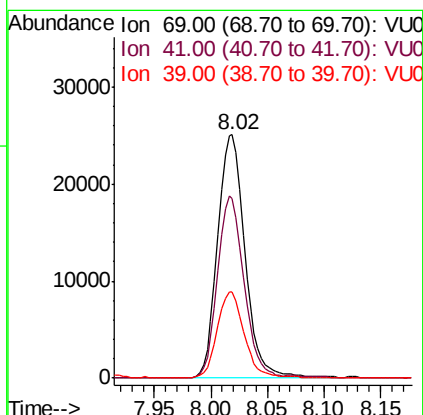
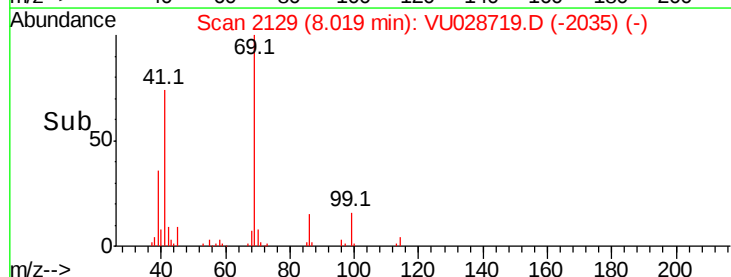
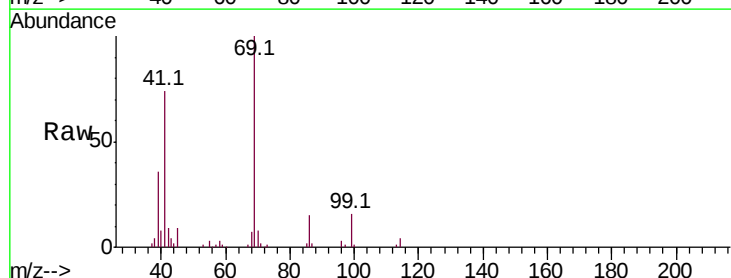
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	25345
Ion	Ratio	Lower	Upper
97	100		
83	95.3	72.4	108.6
85	56.1	46.0	69.0
99	61.6	47.4	71.2



#56
 Ethyl methacrylate
 Concen: 21.103 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion:	69	Resp:	42579
Ion	Ratio	Lower	Upper
69	100		
41	72.0	59.1	88.7
39	34.8	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.935 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

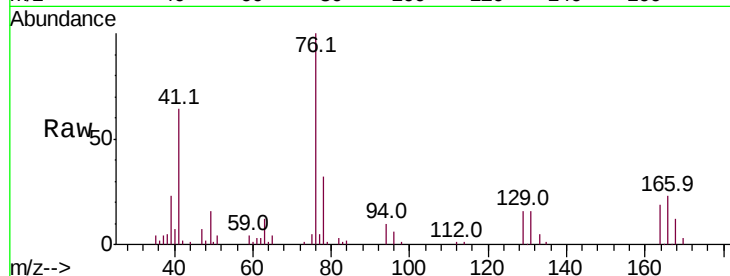
ClientSampleId :

Tot Ion: 76 Resp: 45790

Ion Ratio Lower Upper

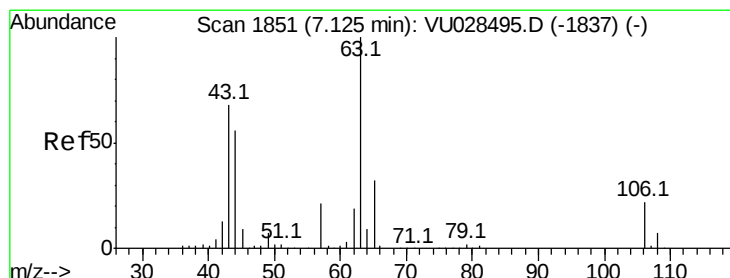
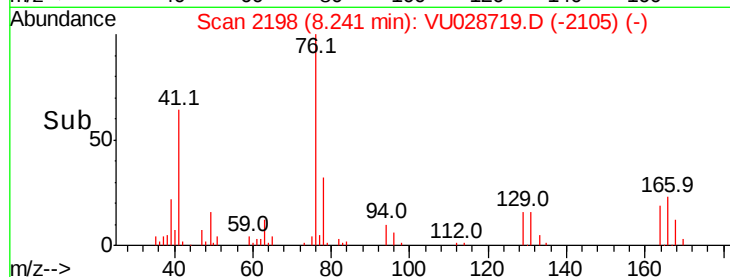
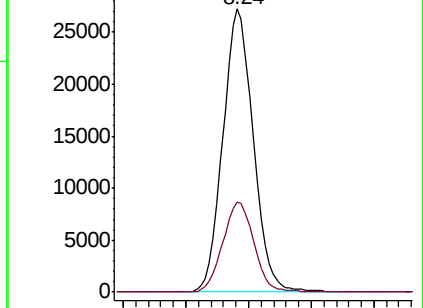
76 100

78 32.4 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-2184) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-2184) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 102.223 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028719.D

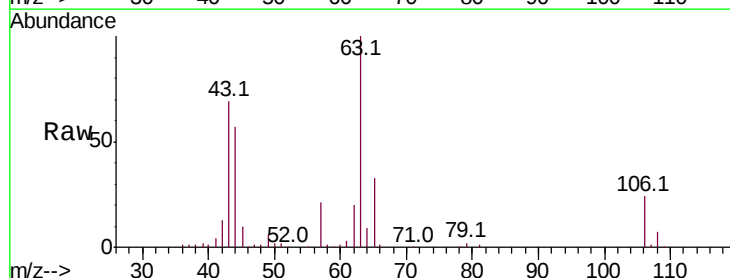
Acq: 17 Dec 2018 14:42

Tgt Ion: 63 Resp: 105646

Ion Ratio Lower Upper

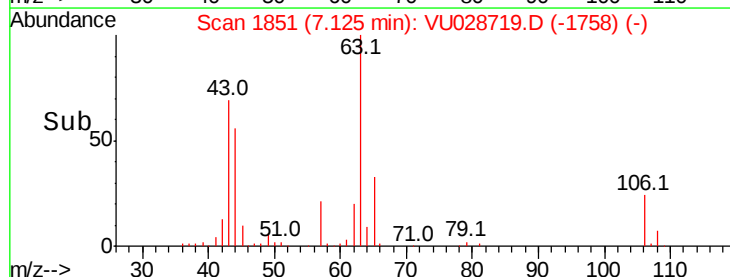
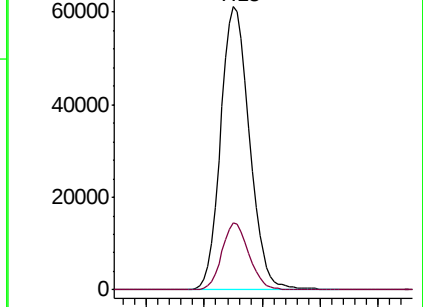
63 100

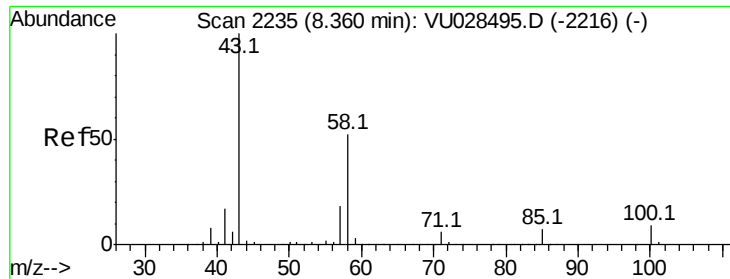
106 22.1 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU028495.D (-1837) (-)

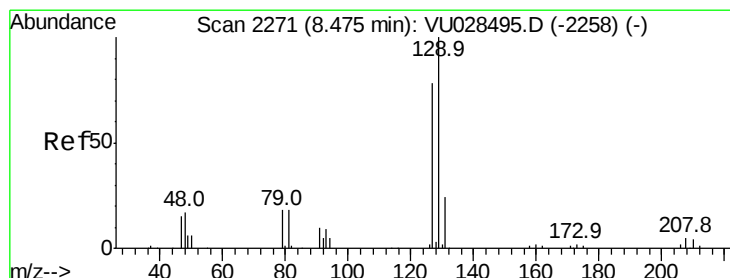
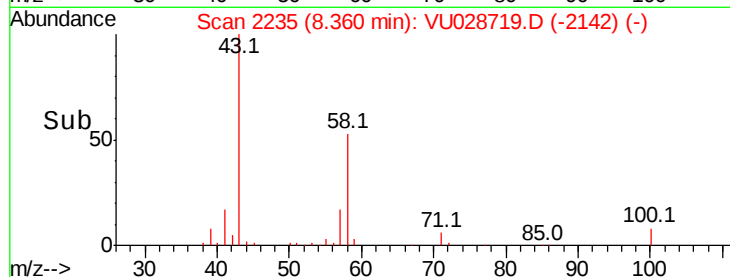
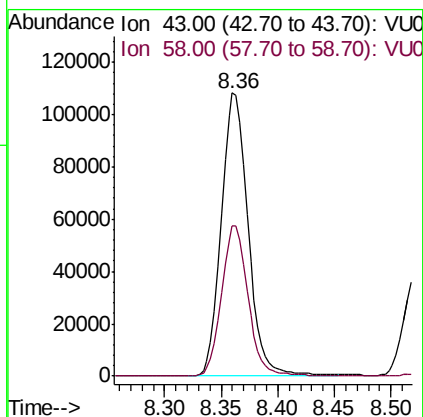
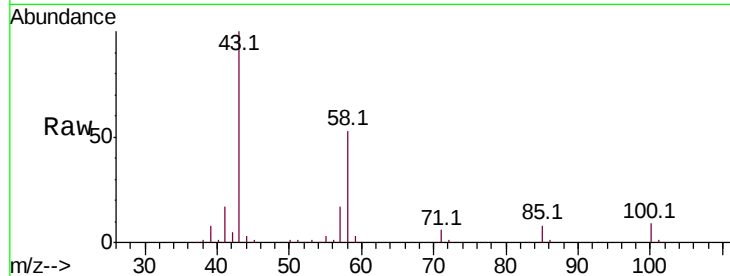




#59
2-Hexanone
Concen: 102.057 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

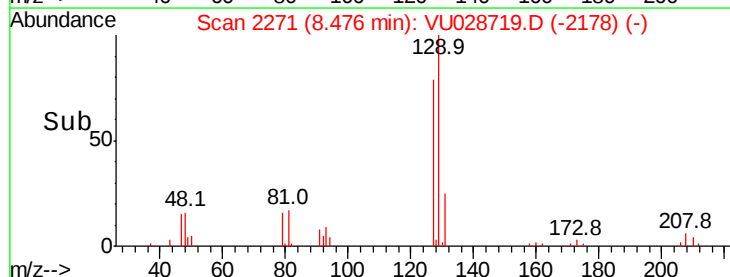
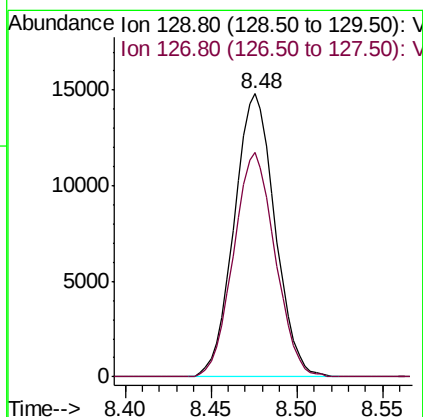
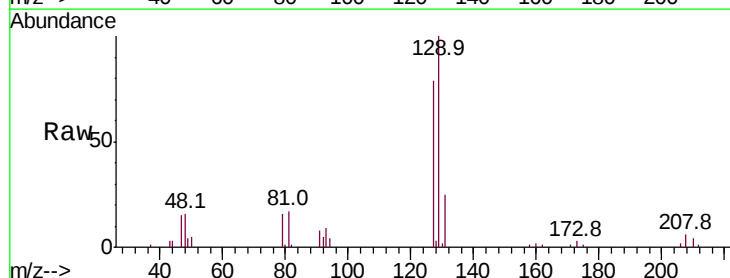
Instrument :
MSVOA_U
ClientSampleId :

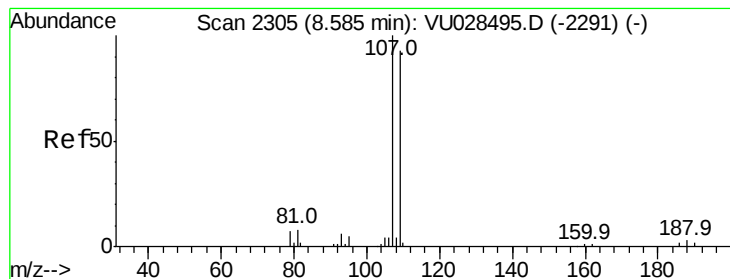
Tot Ion: 43 Resp: 179390
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.6



#60
Dibromochloromethane
Concen: 21.178 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:129 Resp: 24431
Ion Ratio Lower Upper
129 100
127 80.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.744 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

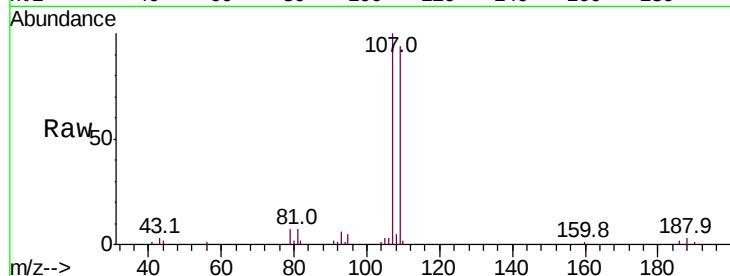
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 26867

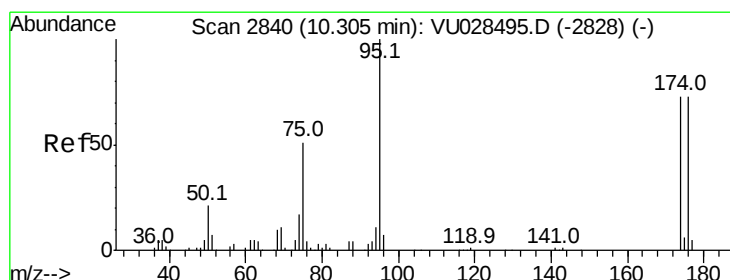
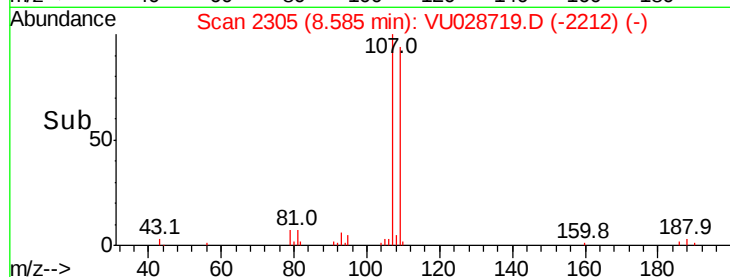
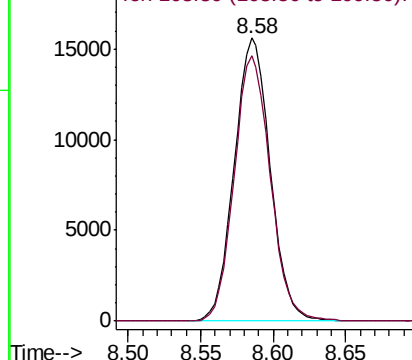
Ion Ratio Lower Upper

107 100

109 94.1 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: 50.842 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

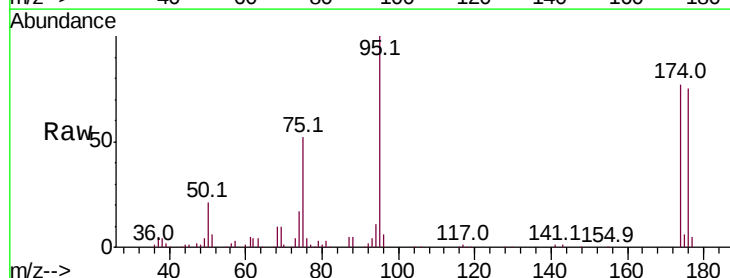
Tgt Ion: 95 Resp: 74342

Ion Ratio Lower Upper

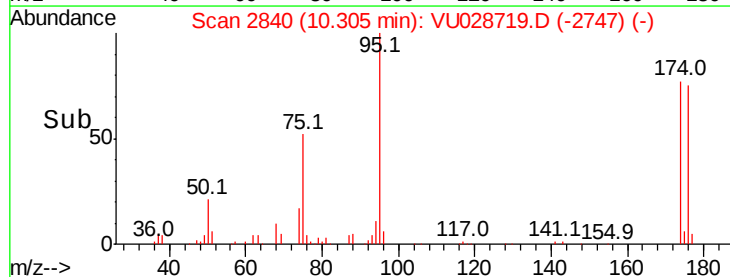
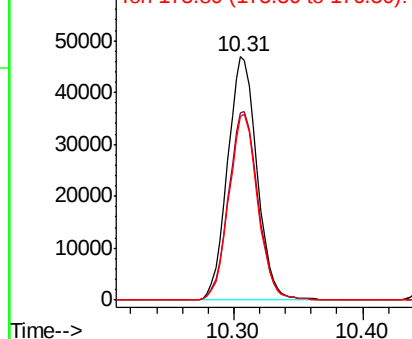
95 100

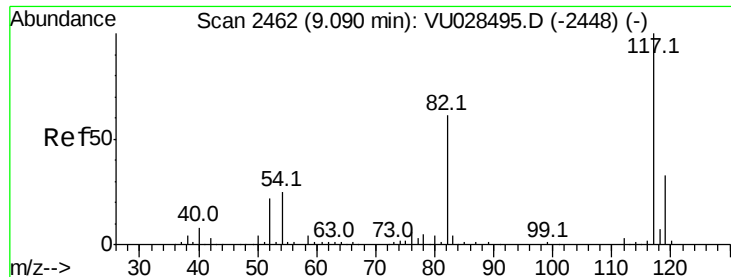
174 77.6 0.0 150.4

176 74.8 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

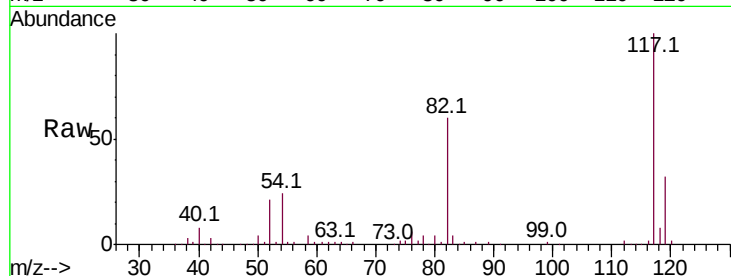




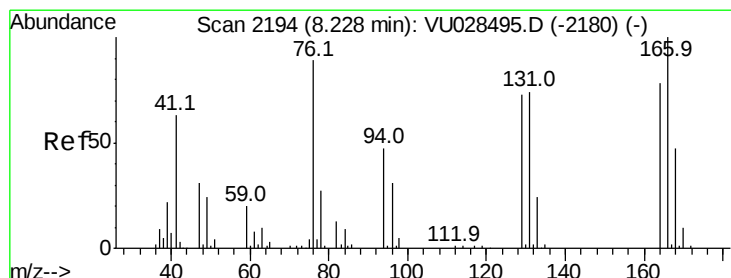
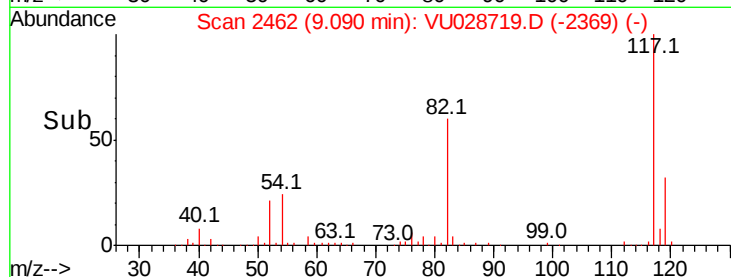
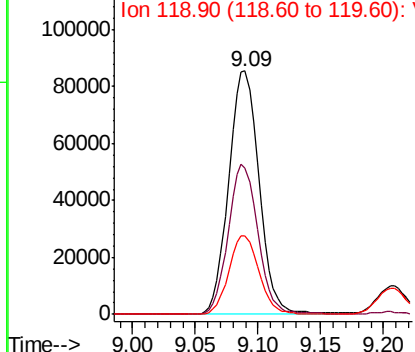
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 144539
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 32.2 26.2 39.4

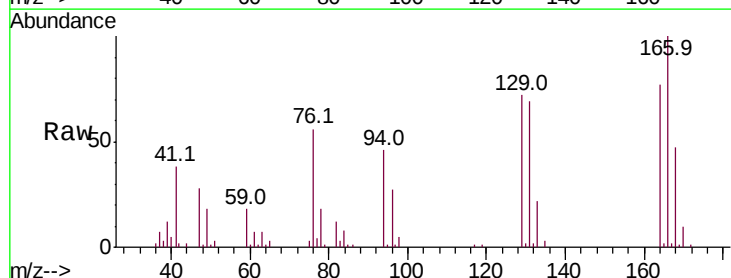


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

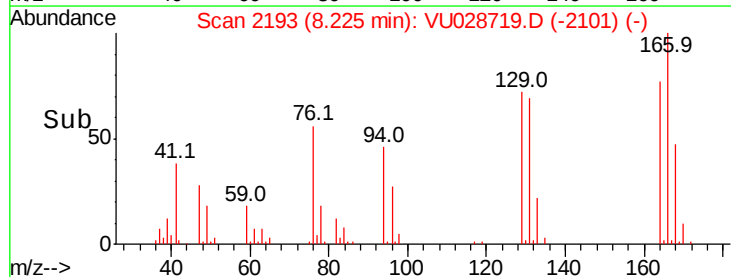
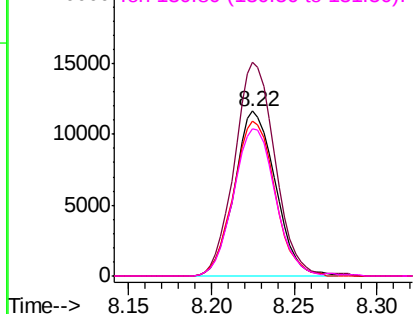


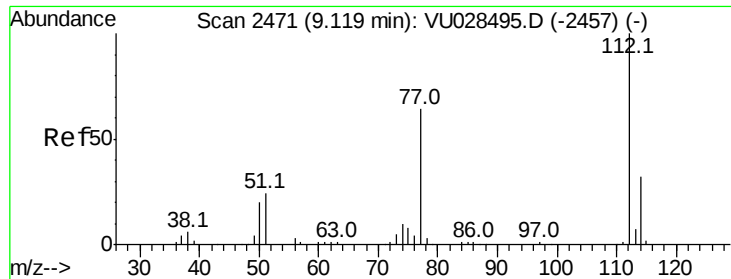
#64
Tetrachloroethene
Concen: 20.780 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:164 Resp: 20034
Ion Ratio Lower Upper
164 100
166 129.6 101.9 152.9
129 93.8 74.9 112.3
131 89.2 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

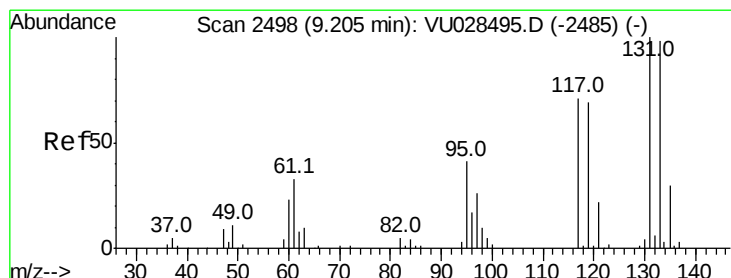
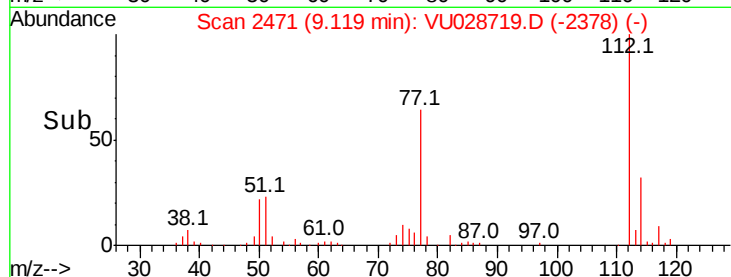
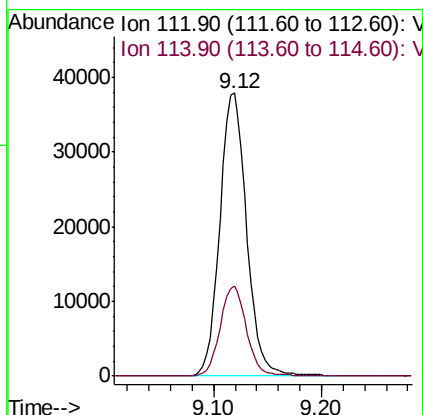
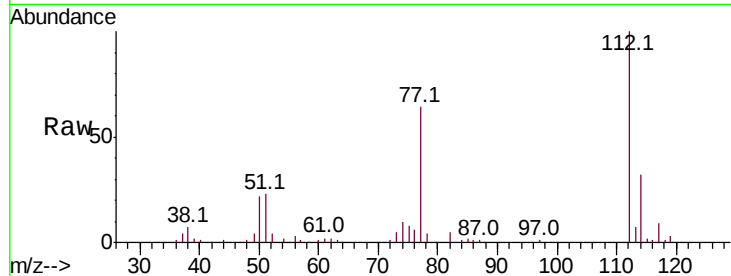




#65
Chlorobenzene
Concen: 21.251 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

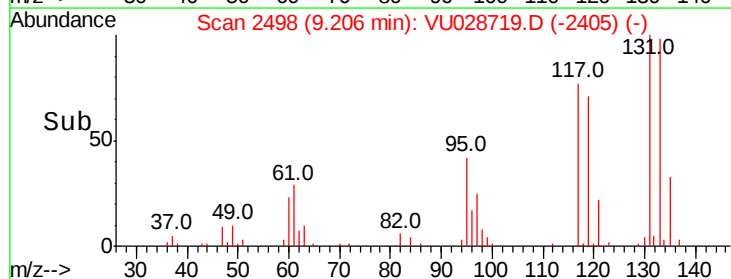
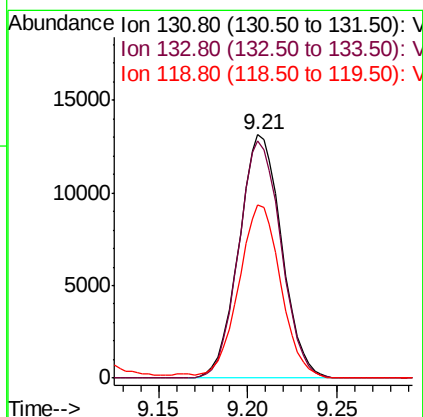
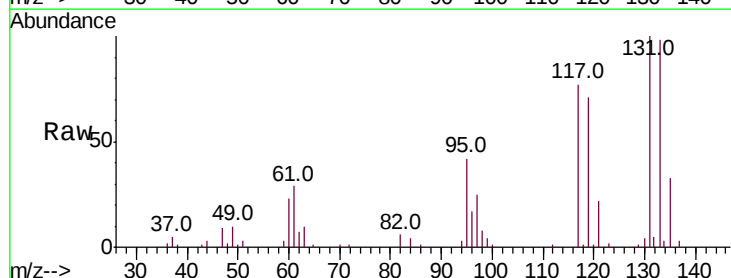
Instrument :
MSVOA_U
ClientSampled :

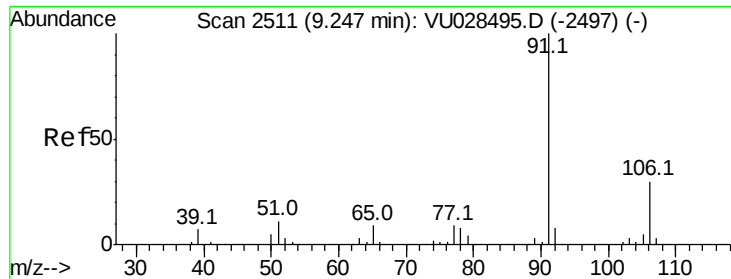
Tot Ion:112 Resp: 65453
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.271 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:131 Resp: 21904
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 70.2 34.6 103.9

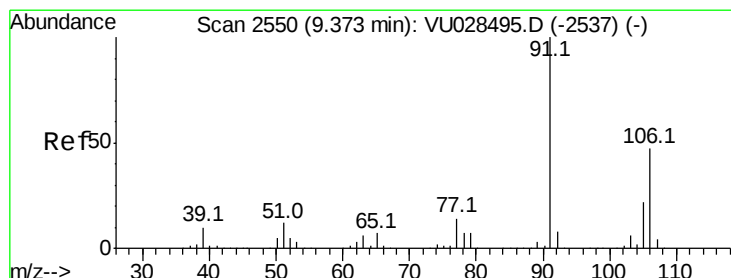
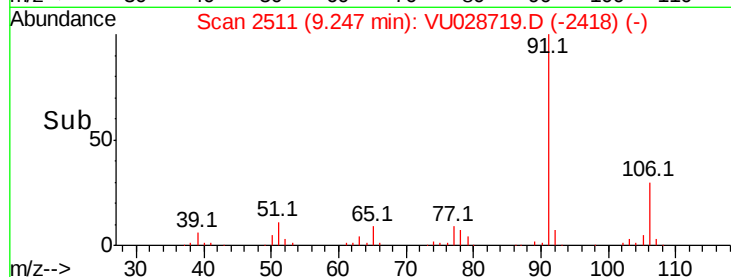
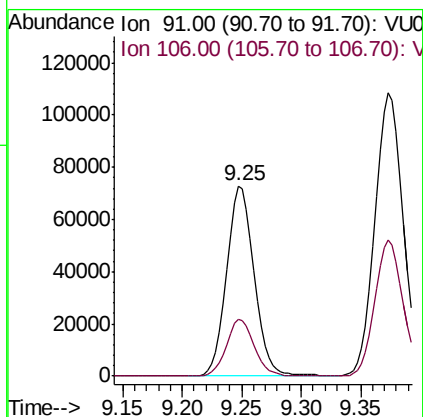
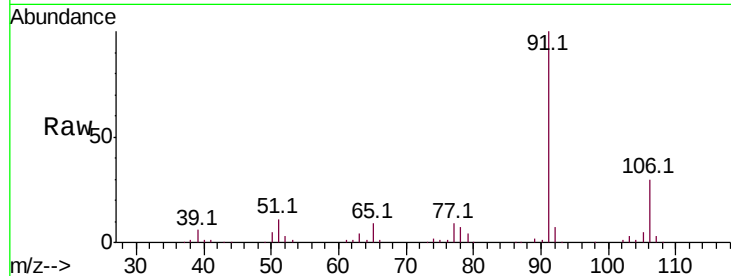




#67
Ethyl Benzene
Concen: 20.716 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

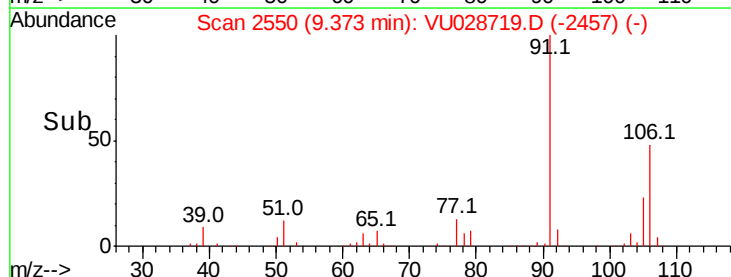
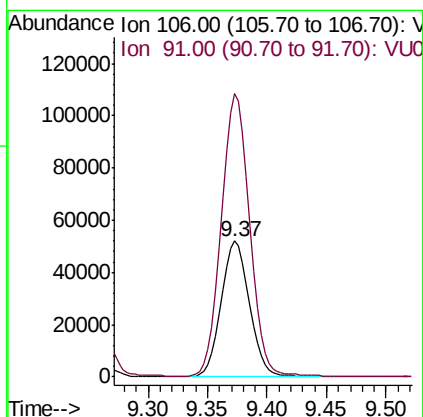
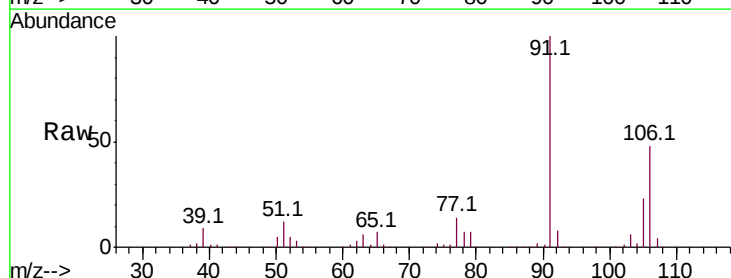
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 117294
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1



#68
m/p-Xylenes
Concen: 41.890 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 106 Resp: 86303
Ion Ratio Lower Upper
106 100
91 208.2 167.4 251.0

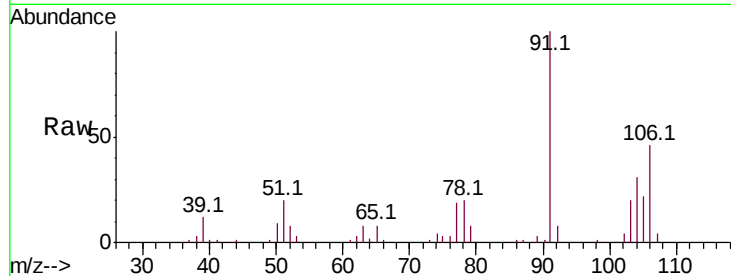




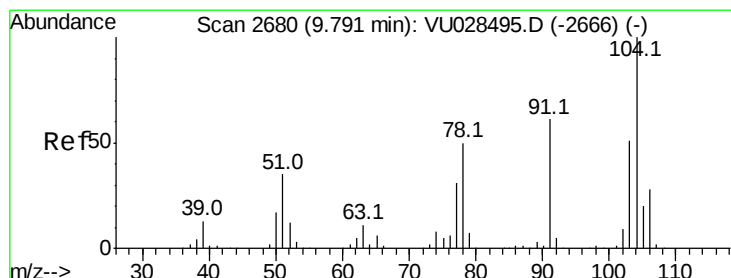
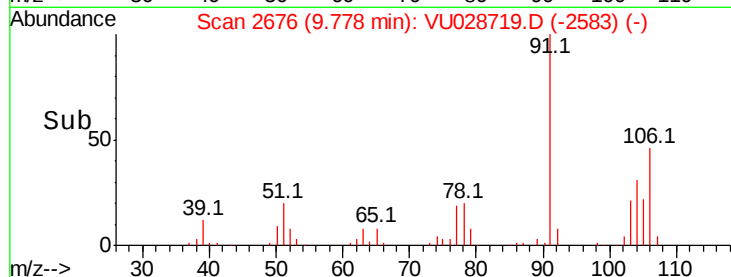
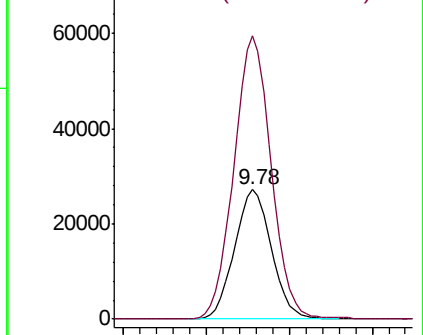
#69
o-Xylene
Concen: 21.008 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 42061
Ion Ratio Lower Upper
106 100
91 220.8 111.3 334.0

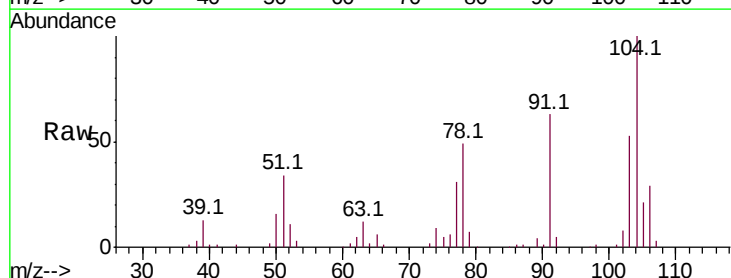


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

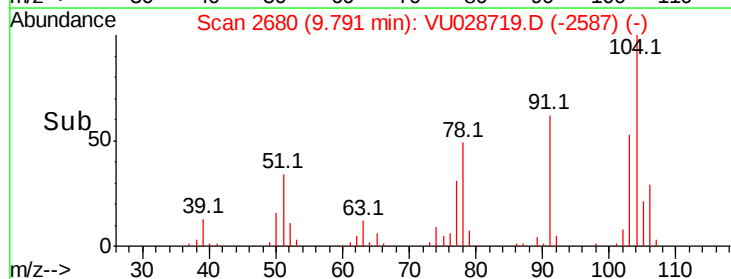
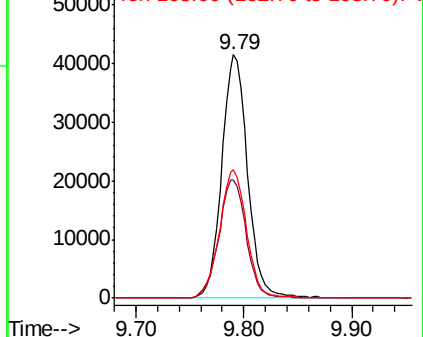


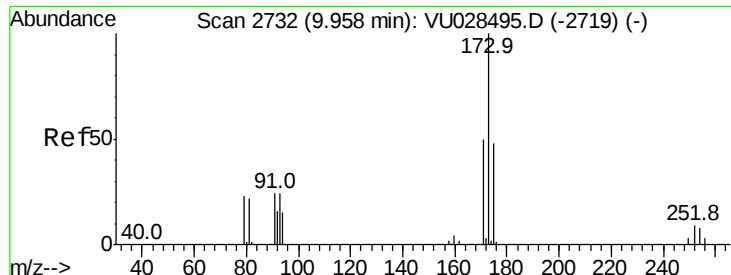
#70
Styrene
Concen: 20.794 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:104 Resp: 68900
Ion Ratio Lower Upper
104 100
78 51.9 43.0 64.6
103 55.4 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: 23.328 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :

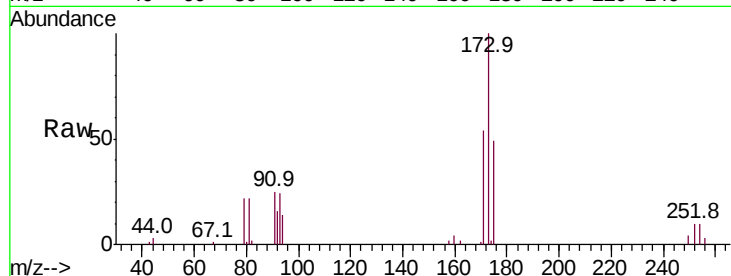
Tot Ion:173 Resp: 19518

Ion Ratio Lower Upper

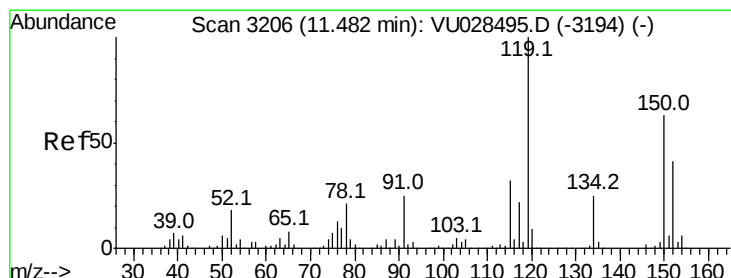
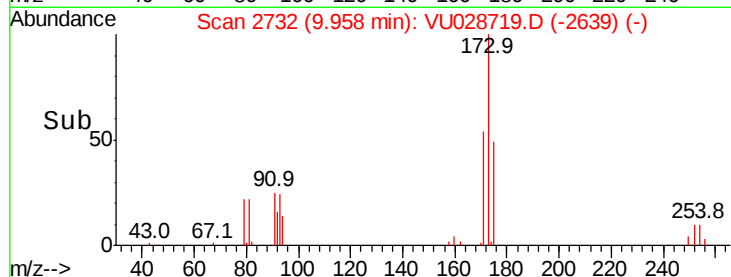
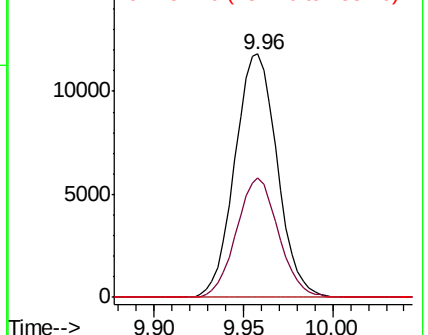
173 100

175 48.6 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: VU028719.D

Acq: 17 Dec 2018 14:42

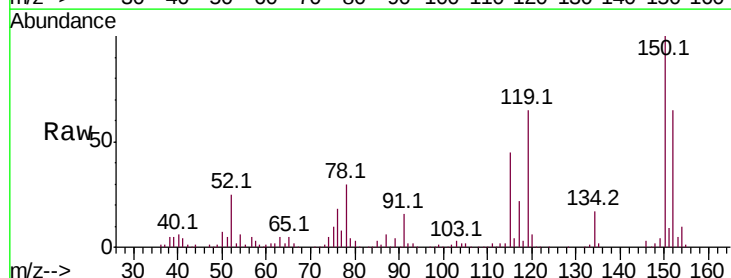
Tgt Ion:152 Resp: 70044

Ion Ratio Lower Upper

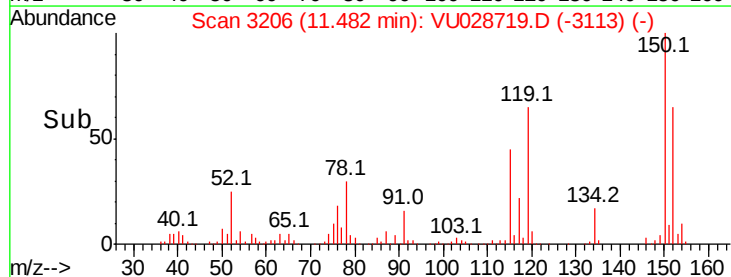
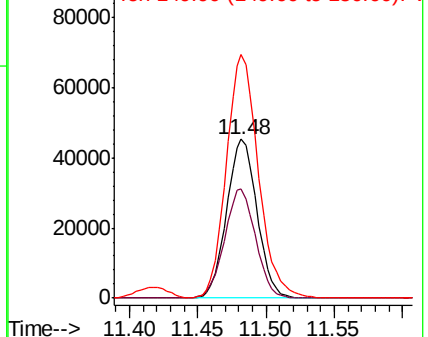
152 100

115 69.8 42.7 128.1

150 161.8 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: 21.440 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

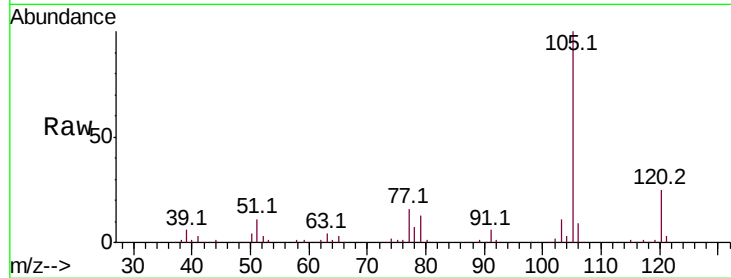
ClientSampleId :

Tot Ion:105 Resp: 115234

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

80000

60000

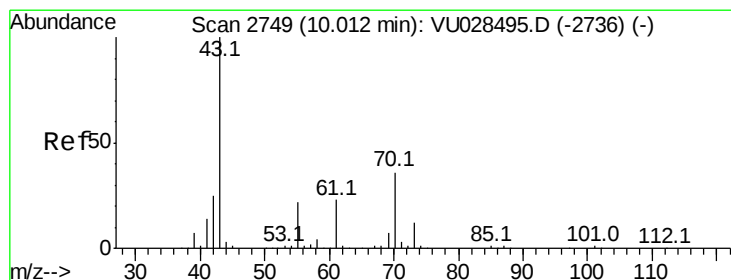
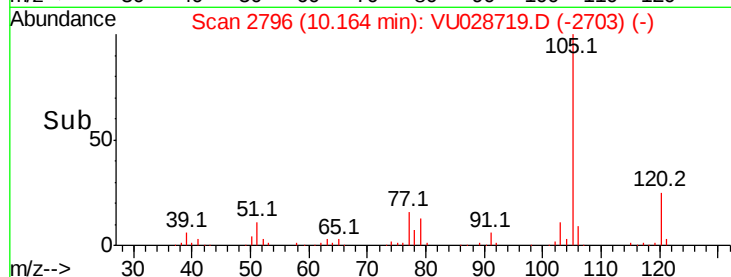
40000

20000

0

Time-->

10.10 10.15 10.20 10.25



#74

N-ethyl acetate

Concen: 20.507 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion: 43 Resp: 63577

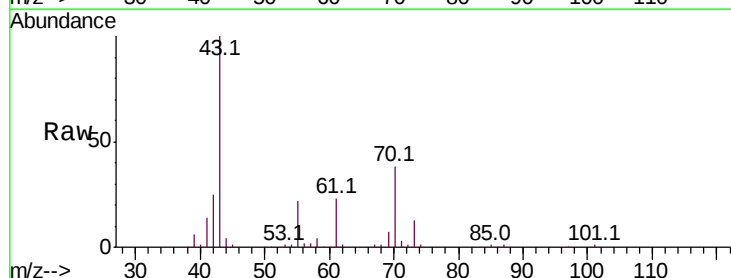
Ion Ratio Lower Upper

43 100

70 37.5 29.3 43.9

55 22.9 18.0 27.0

61 23.2 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

60000

50000

40000

30000

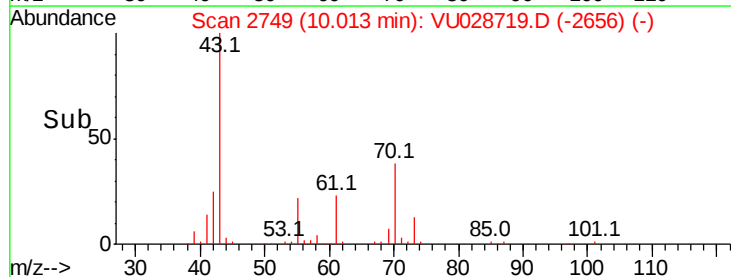
20000

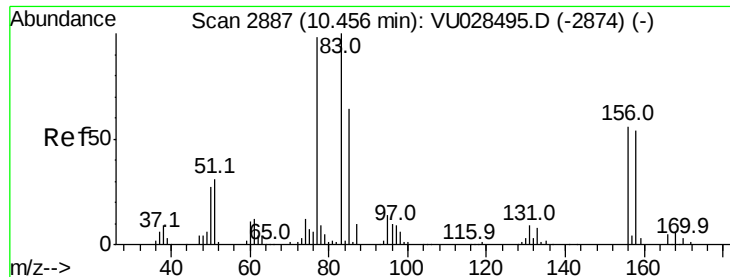
10000

0

Time-->

9.90 10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.748 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

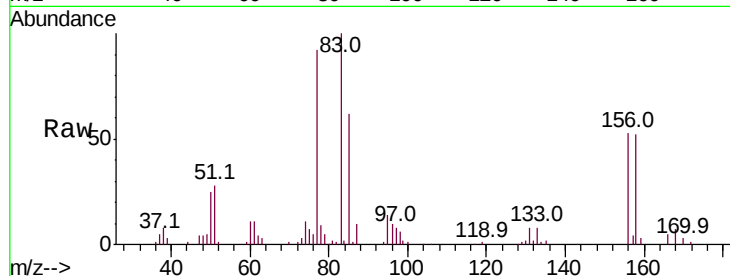
Tot Ion: 83 Resp: 46967

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

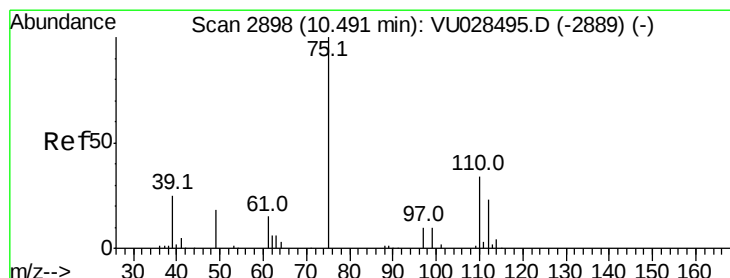
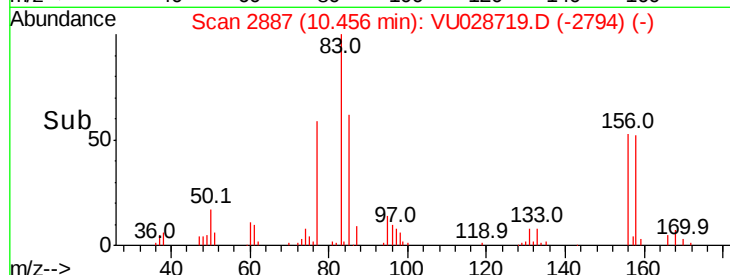
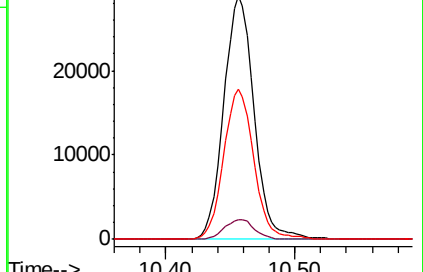
85 61.4 31.8 95.4



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: 30.019 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028719.D

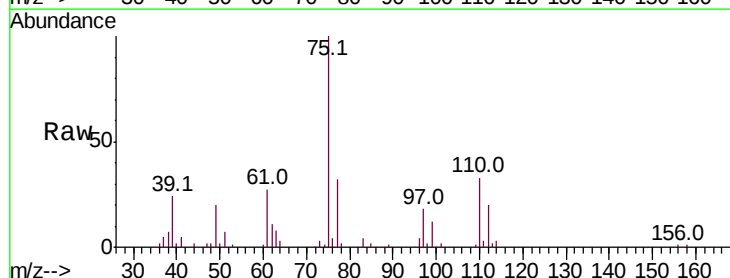
Acq: 17 Dec 2018 14:42

Tgt Ion: 75 Resp: 53691

Ion Ratio Lower Upper

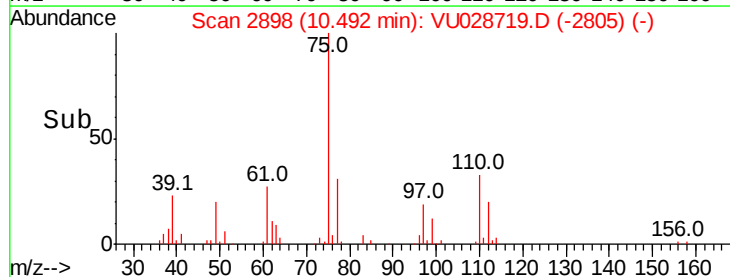
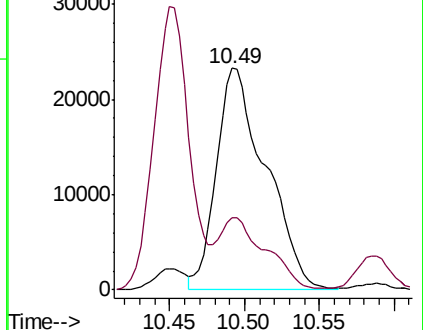
75 100

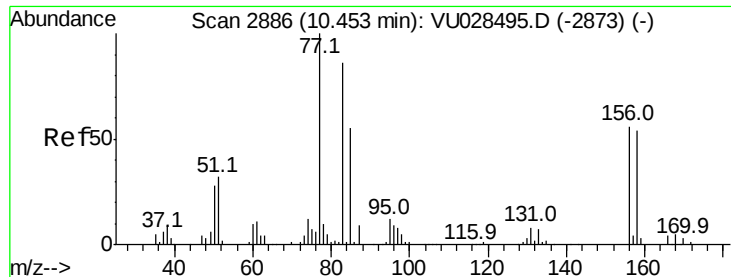
77 30.2 20.8 62.4



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: 21.490 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

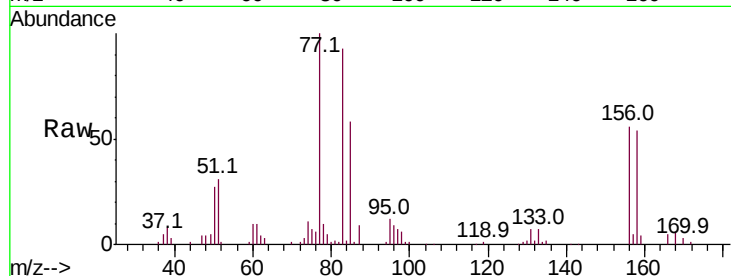
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:156 Resp: 27013

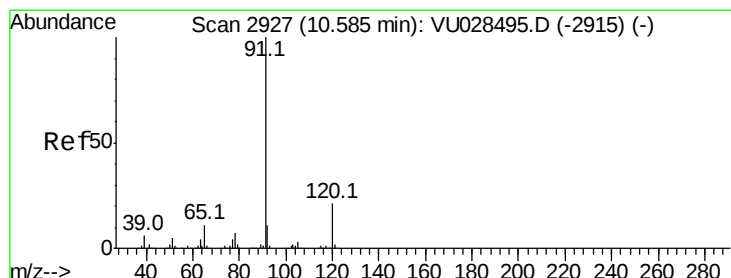
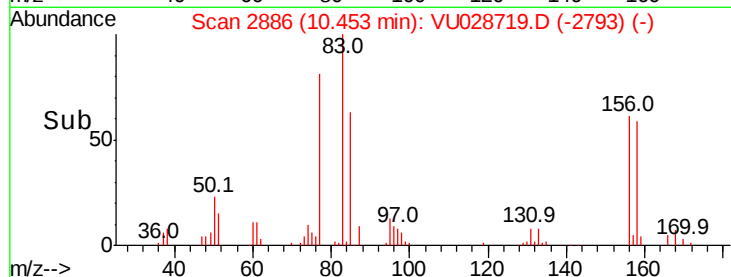
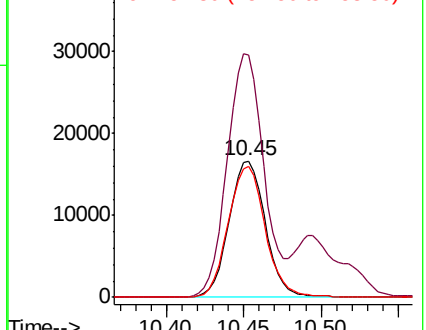
Ion	Ratio	Lower	Upper
156	100		
77	182.8	92.4	277.2
158	98.5	48.4	145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 21.789 ug/l

RT: 10.58 min Scan# 2927

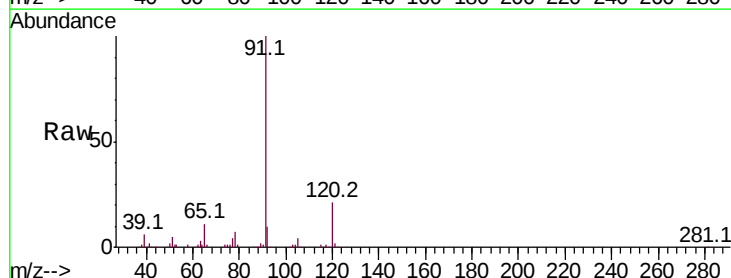
Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

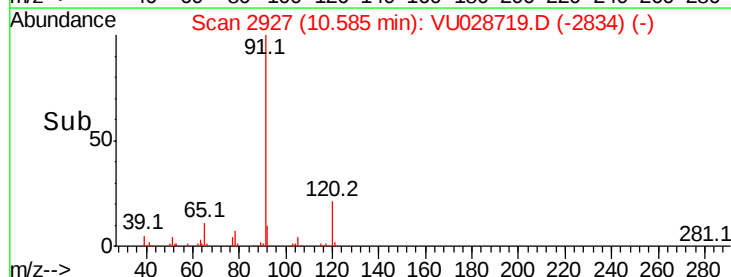
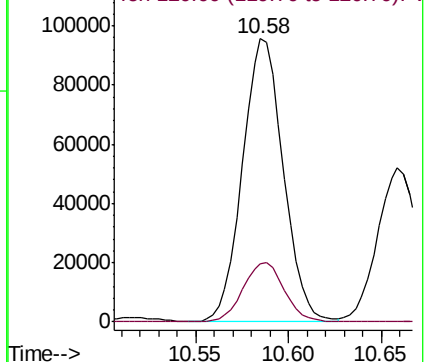
Tgt Ion: 91 Resp: 145518

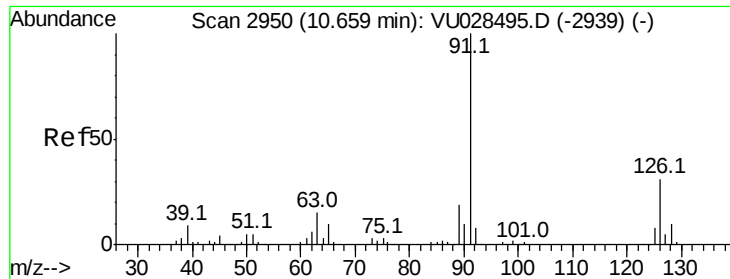
Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V

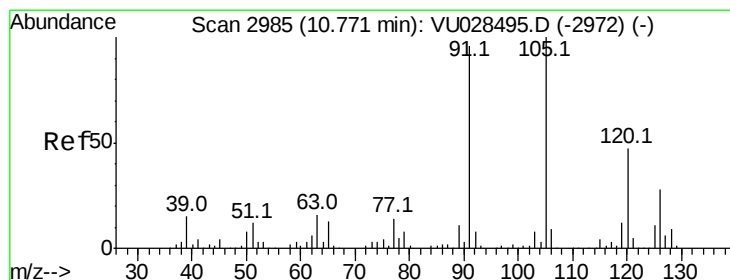
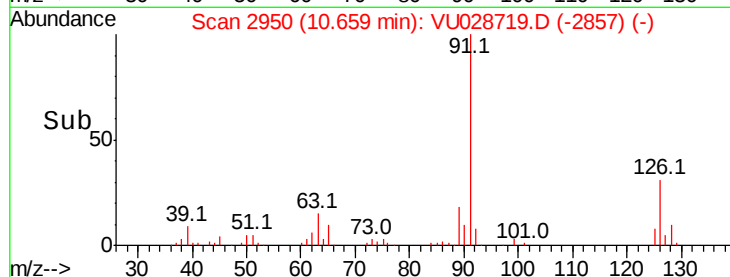
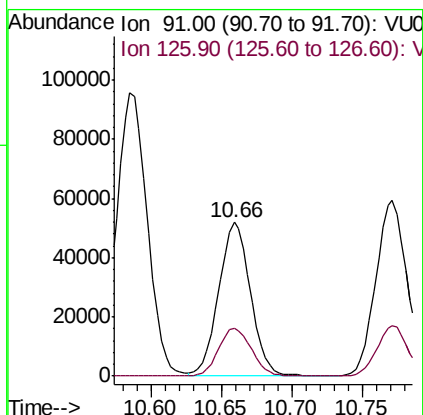
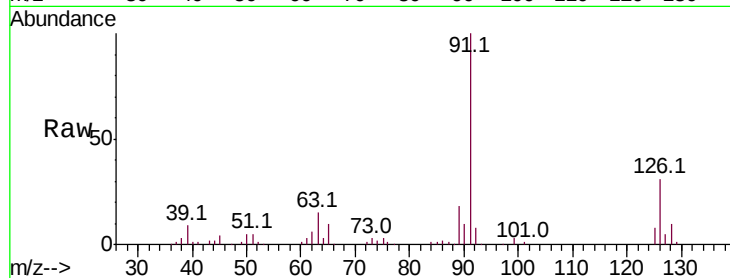




#79
2-Chlorotoluene
Concen: 21.164 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

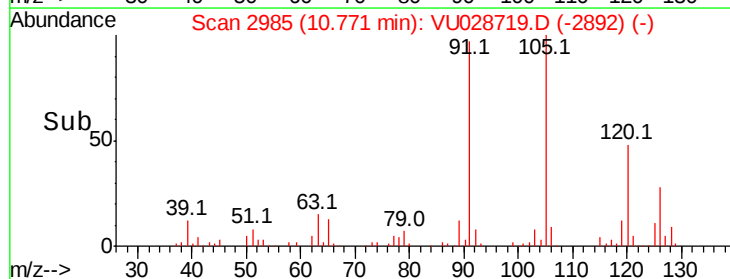
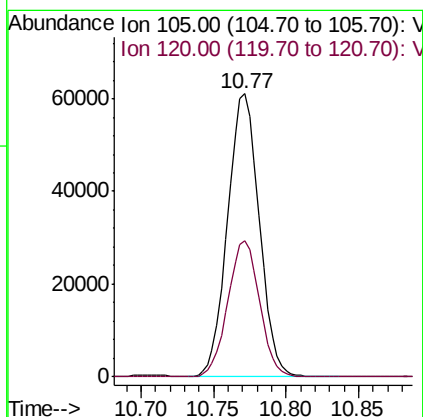
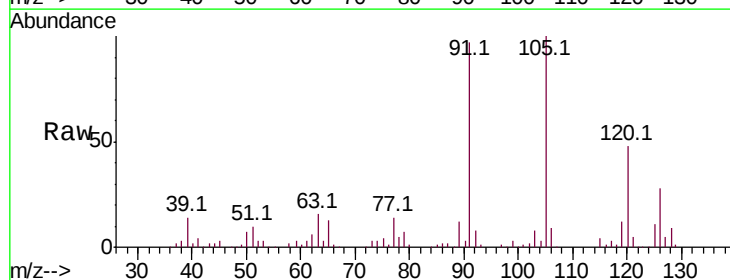
Instrument :
MSVOA_U
ClientSampleId :

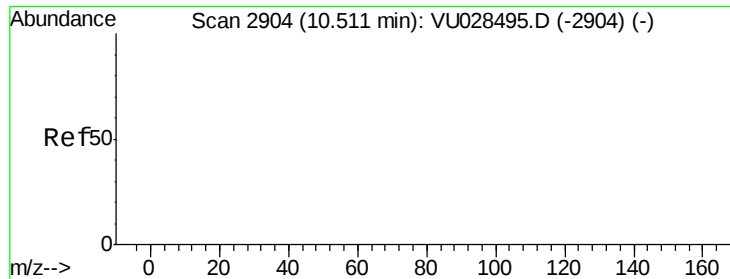
Tot Ion: 91 Resp: 81420
Ion Ratio Lower Upper
91 100
126 32.2 15.6 46.8



#80
1,3,5-Trimethylbenzene
Concen: 20.842 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:105 Resp: 92727
Ion Ratio Lower Upper
105 100
120 48.1 23.7 71.1

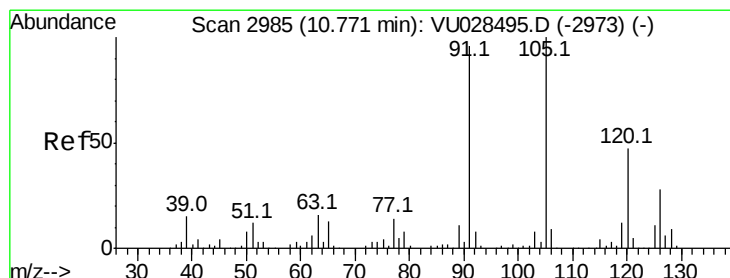
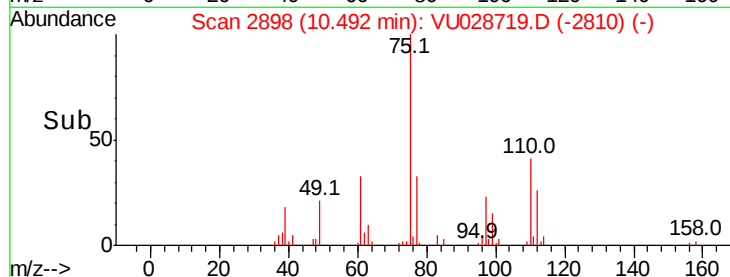
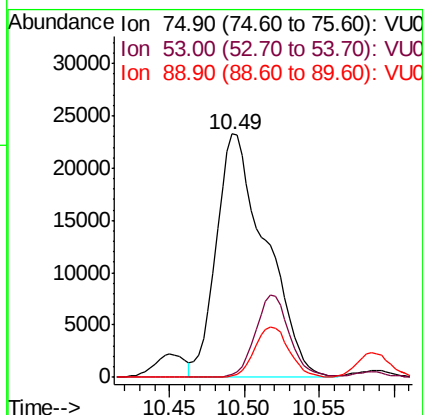
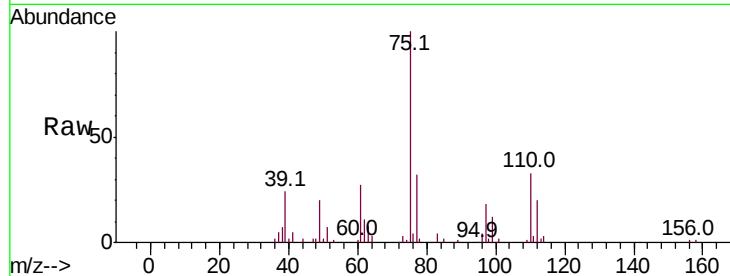




#81
trans-1,4-Dichloro-2-butene
Concen: 73.557 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

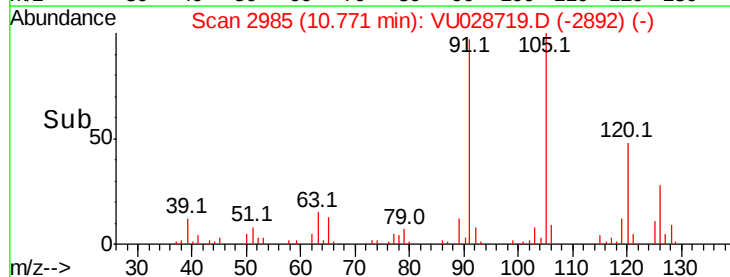
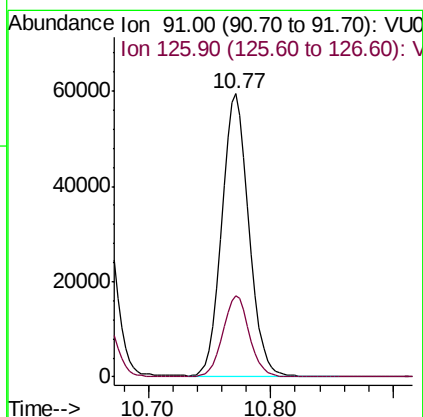
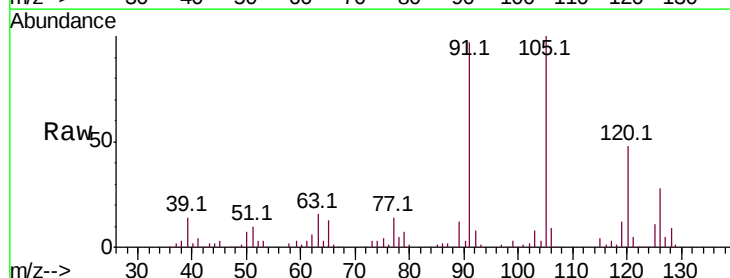
Instrument :
MSVOA_U
ClientSampleId :

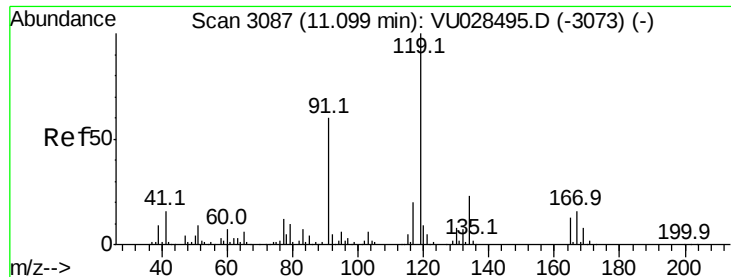
Tot Ion: 75 Resp: 53691
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 20.380 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 91 Resp: 92910
Ion Ratio Lower Upper
91 100
126 28.0 14.1 42.3





#83

tert-Butylbenzene

Concen: 21.388 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

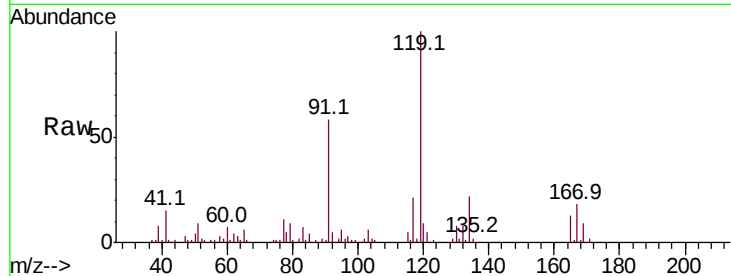
Tot Ion:119 Resp: 91719

Ion Ratio Lower Upper

119 100

91 59.0 30.3 91.0

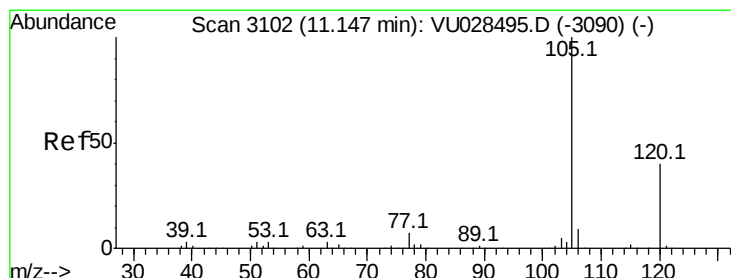
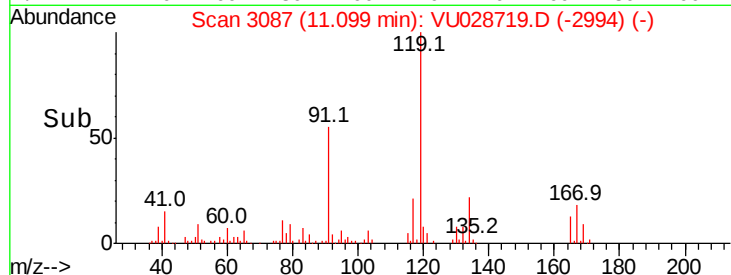
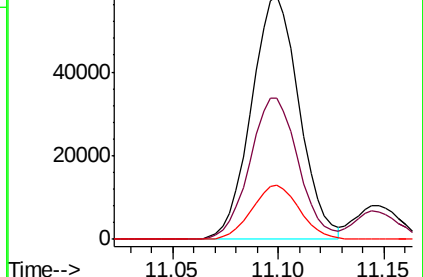
134 21.9 11.2 33.5



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: 22.480 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028719.D

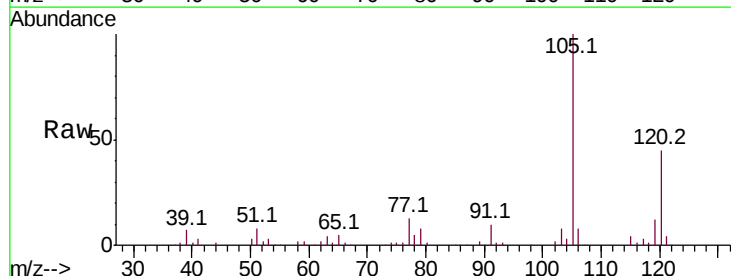
Acq: 17 Dec 2018 14:42

Tgt Ion:105 Resp: 103073

Ion Ratio Lower Upper

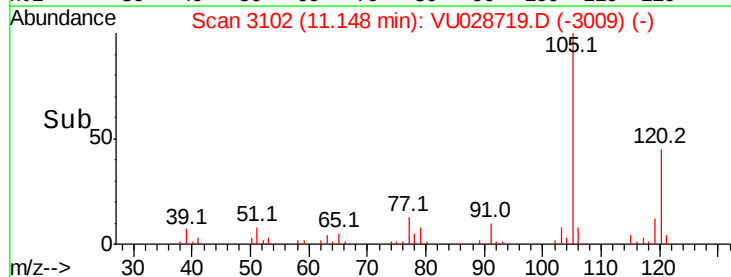
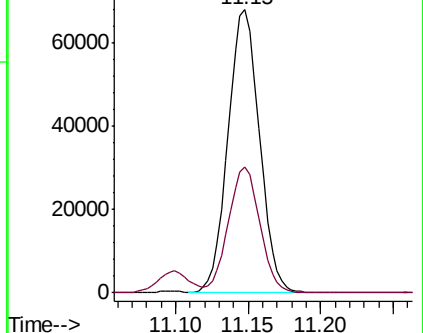
105 100

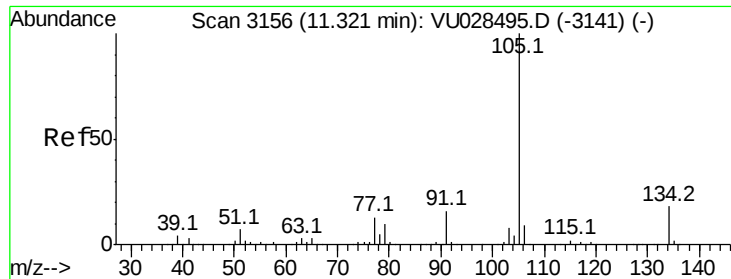
120 44.5 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

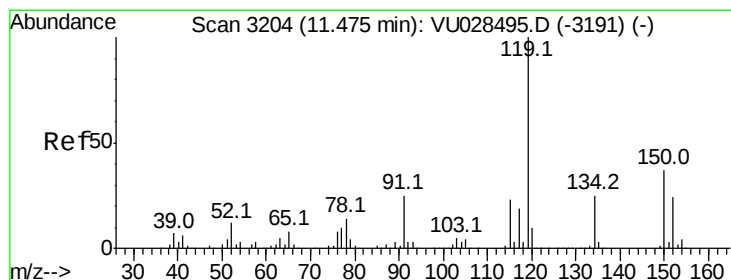
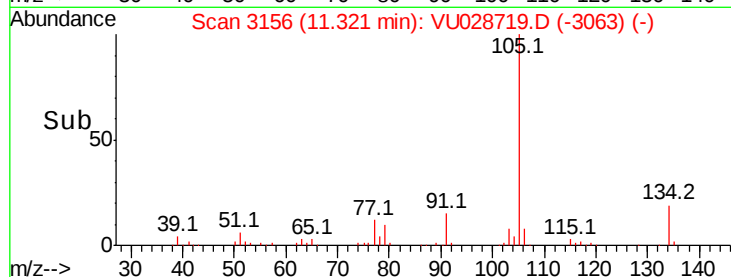
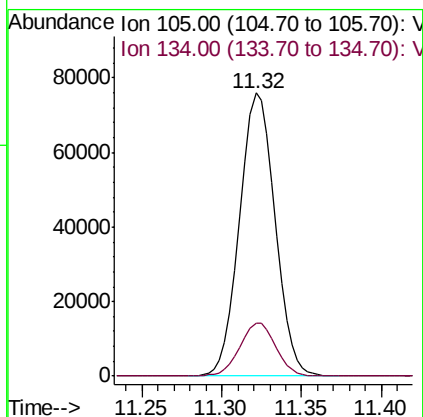
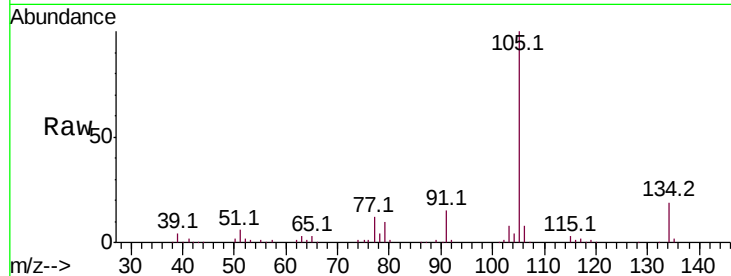




#85
 sec-Butylbenzene
 Concen: 20.817 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

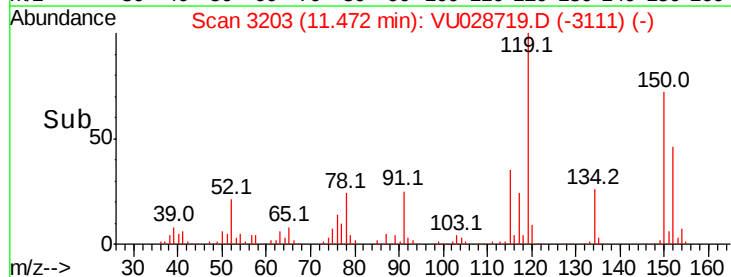
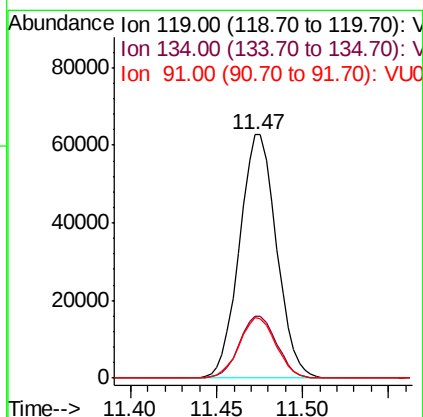
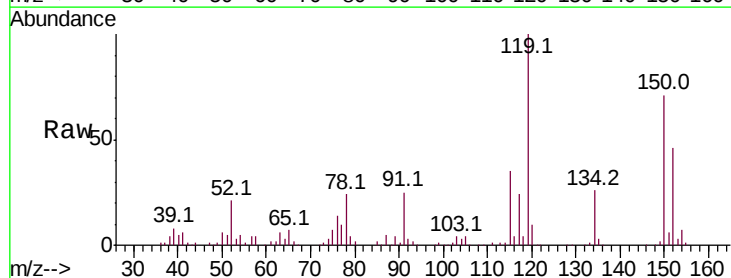
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 114682
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 20.072 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion:119 Resp: 93932
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.1
 91 24.8 12.6 37.6

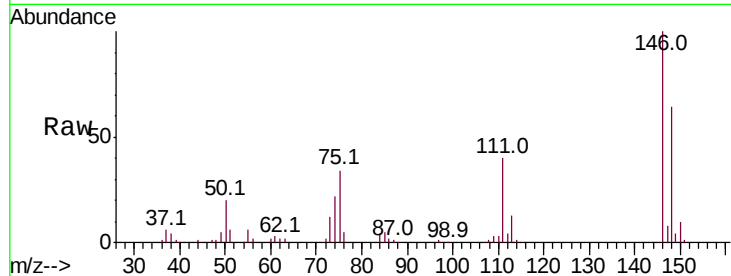




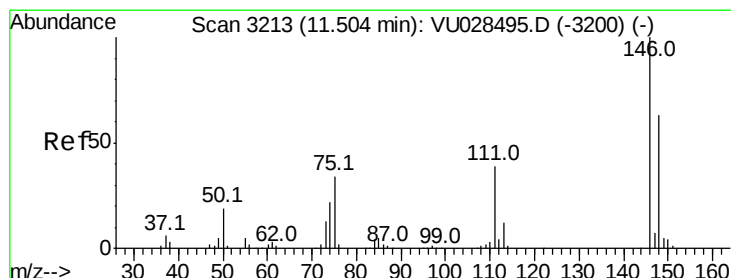
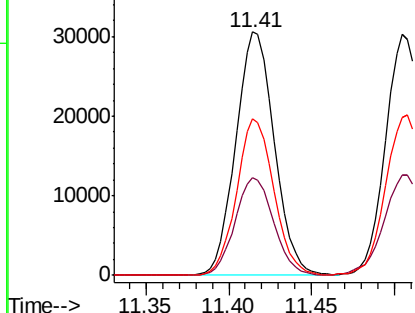
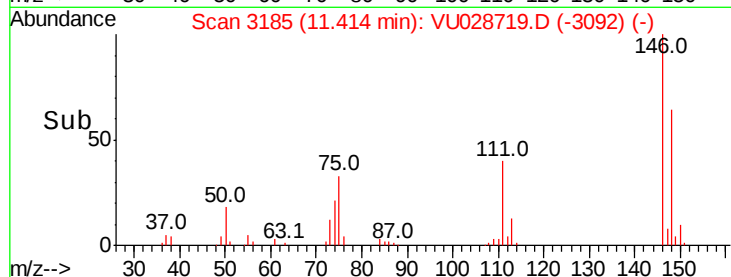
#87
 1,3-Dichlorobenzene
 Concen: 20.807 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 49386
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.7 62.1
 148 62.0 31.9 95.7

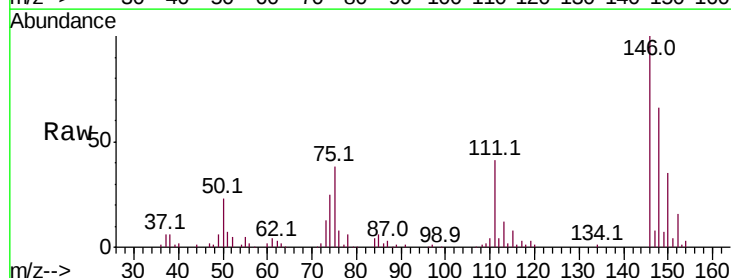


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

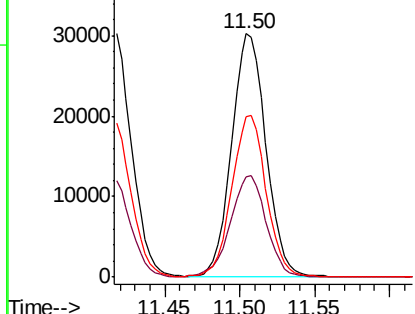
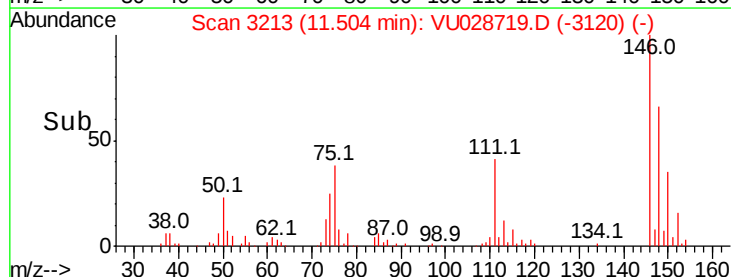


#88
 1,4-Dichlorobenzene
 Concen: 19.690 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion:146 Resp: 48354
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.2 60.5
 148 66.7 31.6 95.0



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

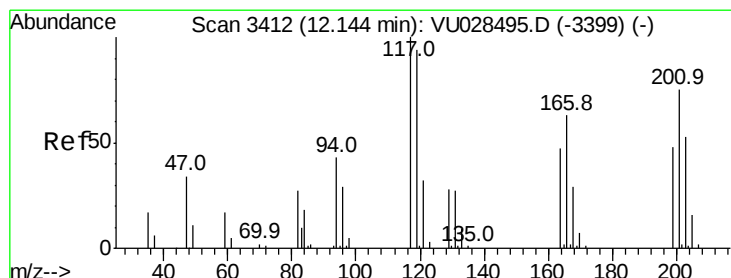
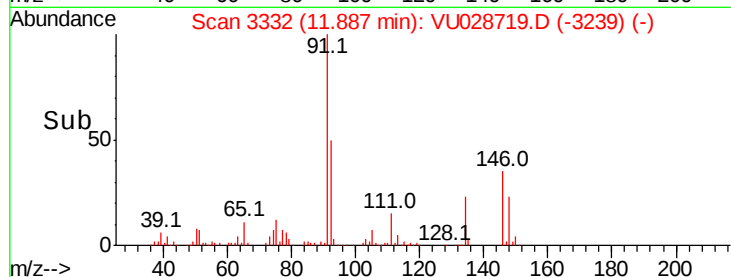
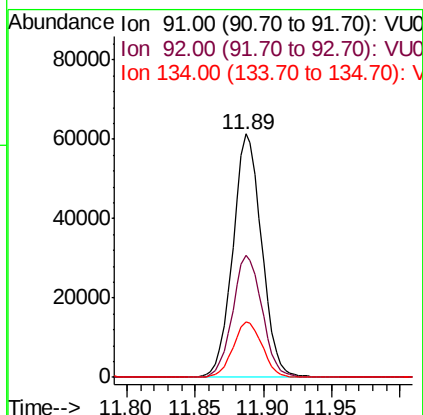
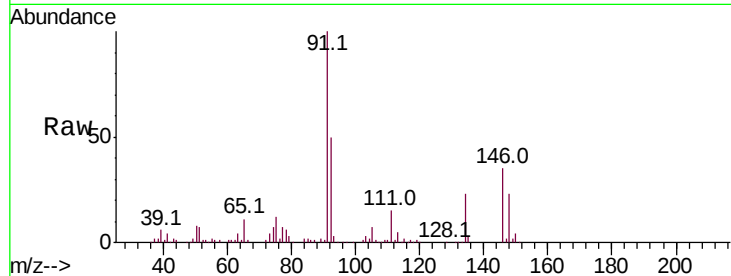




#89
n-Butylbenzene
Concen: 19.060 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

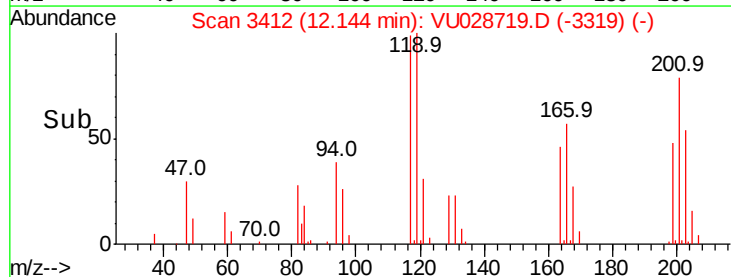
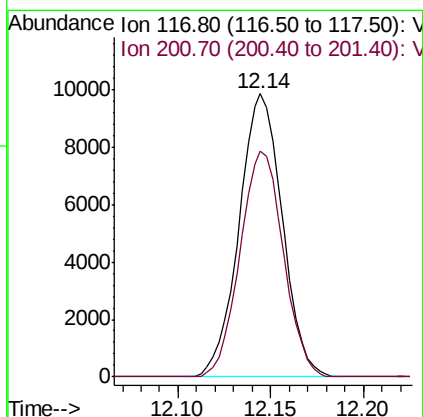
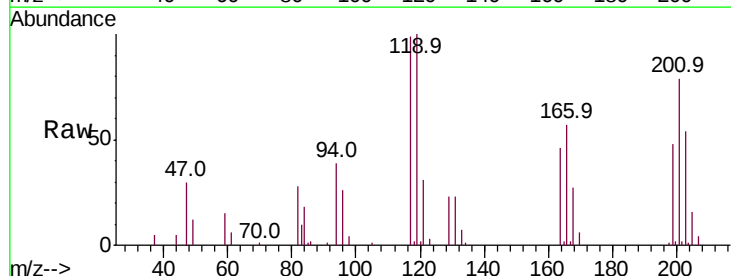
Instrument :
MSVOA_U
ClientSampled :

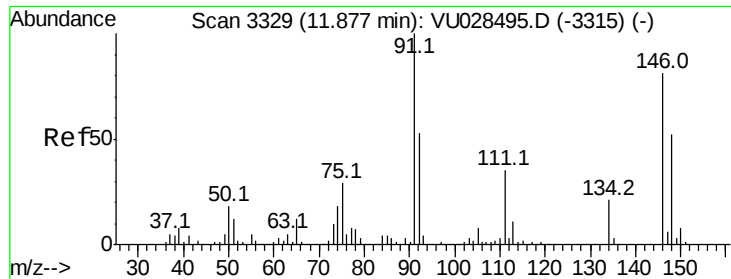
Tot Ion: 91 Resp: 90272
Ion Ratio Lower Upper
91 100
92 51.2 26.3 78.9
134 23.1 11.3 33.8



#90
Hexachloroethane
Concen: 22.613 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 117 Resp: 15995
Ion Ratio Lower Upper
117 100
201 79.6 38.1 114.5

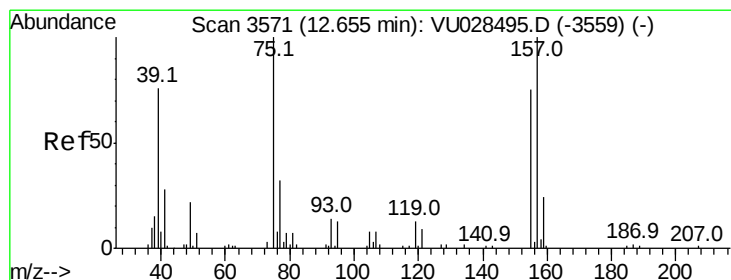
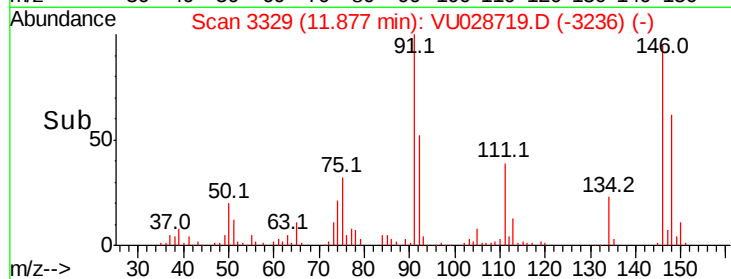
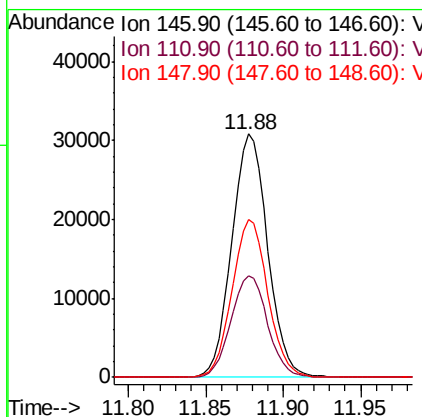
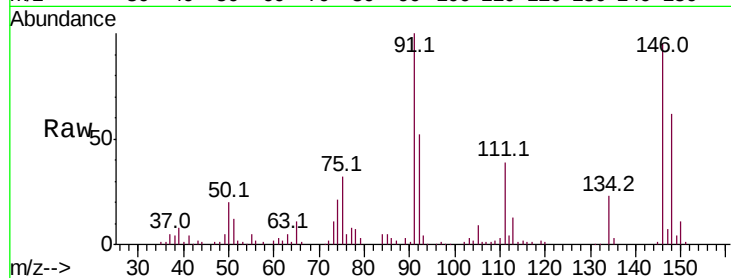




#91
 1,2-Dichlorobenzene
 Concen: 20.862 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

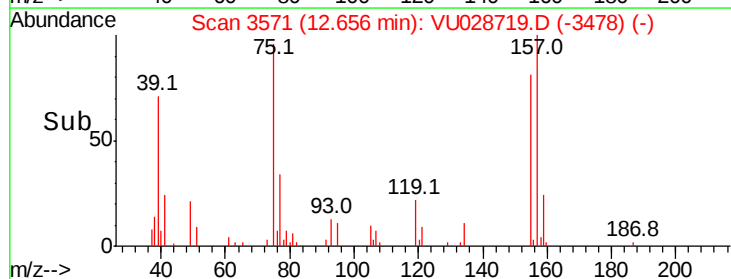
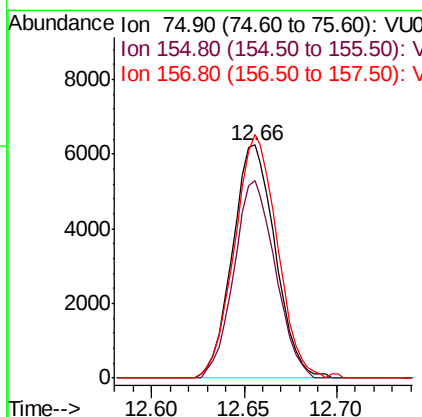
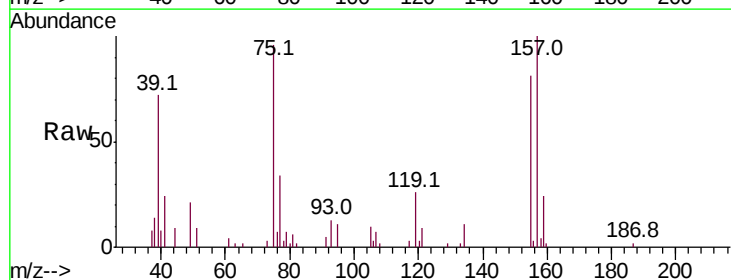
Instrument :
 MSVOA_U
 ClientSampleId :

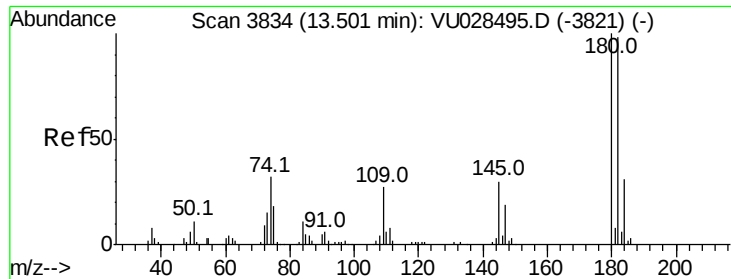
Tot Ion:146 Resp: 49532
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.1 63.4
 148 64.3 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.392 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 75 Resp: 10009
 Ion Ratio Lower Upper
 75 100
 155 81.9 38.1 114.5
 157 104.5 48.7 146.1

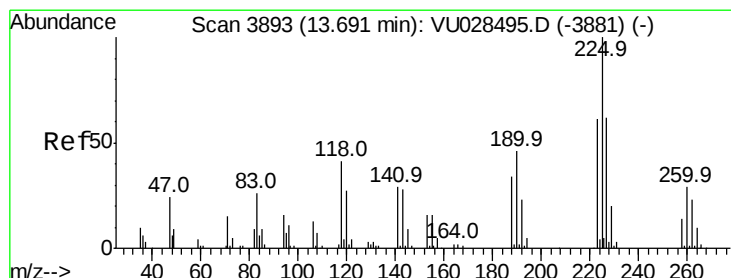
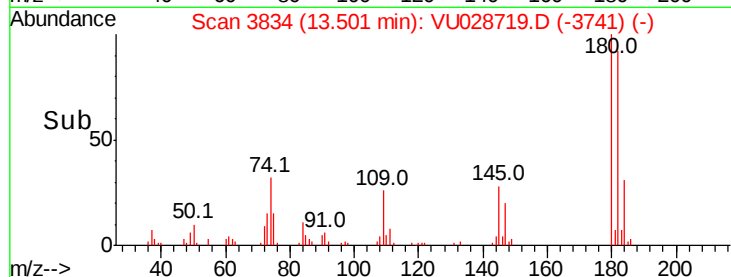
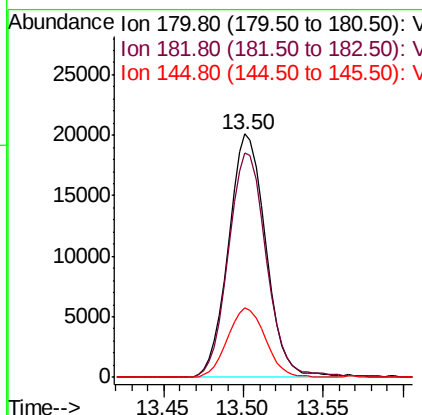
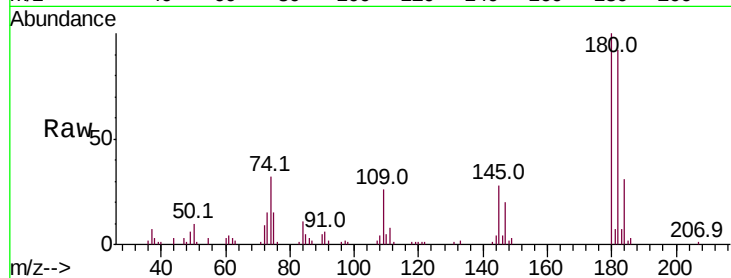




#93
 1,2,4-Trichlorobenzene
 Concen: 20.103 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

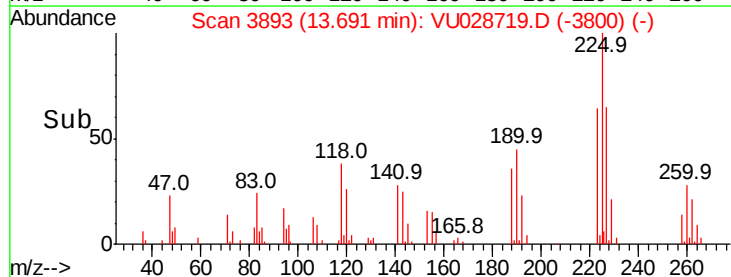
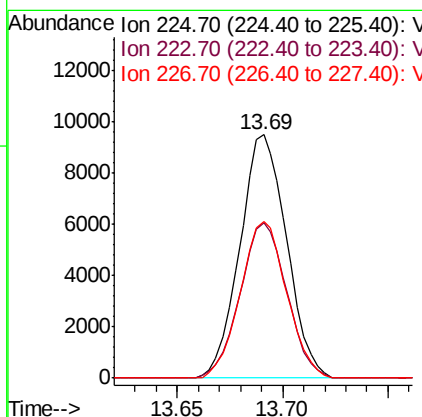
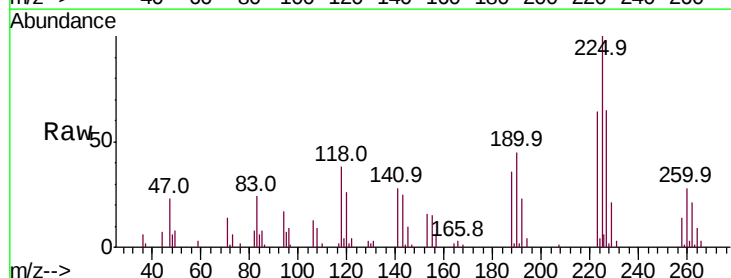
Instrument :
 MSVOA_U
 ClientSampled :

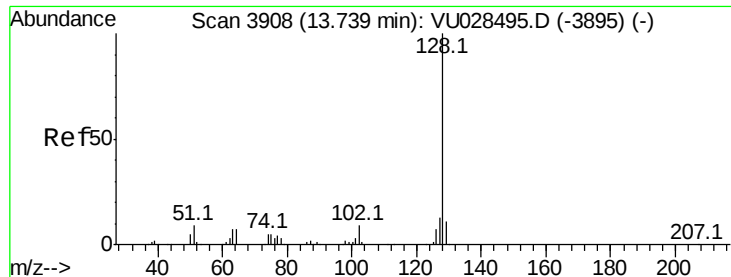
Tot Ion:180 Resp: 31961
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.9 143.8
 145 28.8 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 18.769 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion:225 Resp: 14597
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.4 91.2
 227 63.6 30.7 92.1





#95

Naphthalene

Concen: 19.952 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

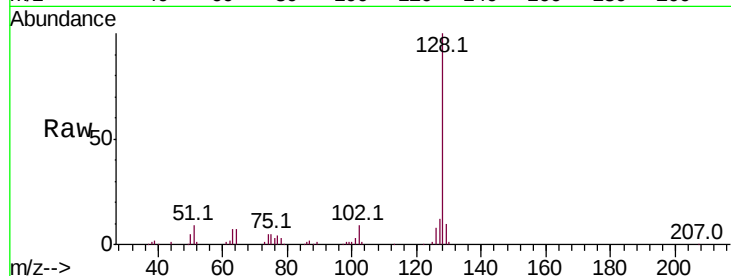
Tot Ion:128 Resp: 113673

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

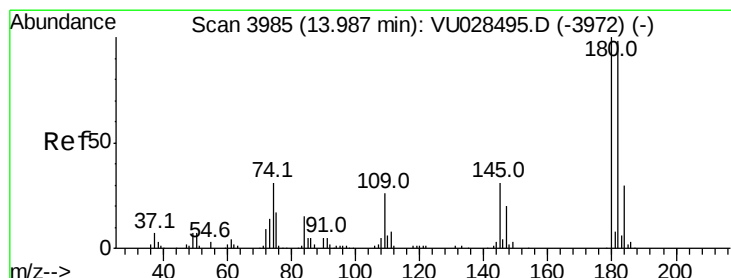
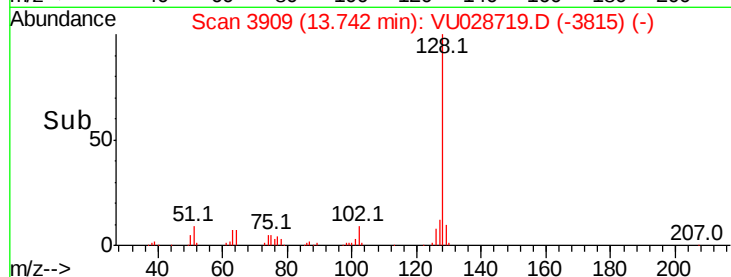
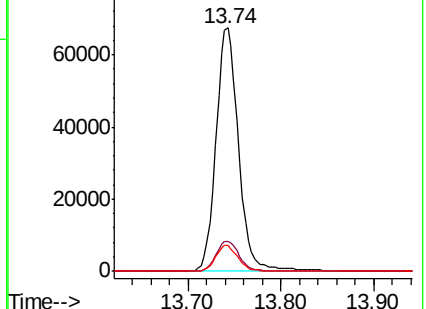
129 10.5 8.6 13.0



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: 20.181 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

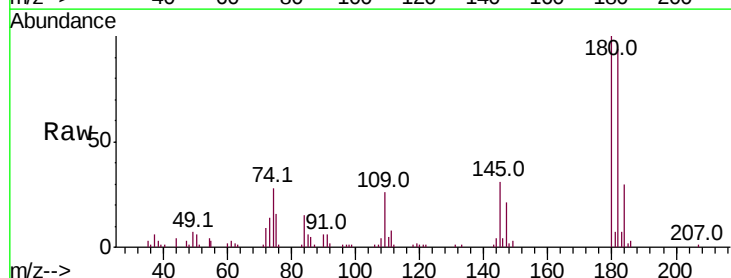
Tgt Ion:180 Resp: 32626

Ion Ratio Lower Upper

180 100

182 95.3 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

