

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121518\
 Data File : VU028687.D
 Acq On : 14 Dec 2018 16:51
 Operator : MD/SY
 Sample : VU1215WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:22:09 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	68669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	123421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	116378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53542	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	61752	58.93	ug/l	0.00
Spiked Amount			Recovery	=	117.86%	
35) Dibromofluoromethane	4.88	113	43977	56.62	ug/l	0.00
Spiked Amount			Recovery	=	113.24%	
50) Toluene-d8	7.57	98	162624	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	59195	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	16771	18.221	ug/l	98
3) Chloromethane	1.33	50	31656	18.707	ug/l	98
4) Vinyl Chloride	1.40	62	22543	18.460	ug/l	98
5) Bromomethane	1.61	94	9513	19.339	ug/l	98
6) Chloroethane	1.69	64	12941	18.719	ug/l	98
7) Trichlorofluoromethane	1.88	101	24562	19.117	ug/l	100
8) Diethyl Ether	2.10	74	12490	20.778	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	14982	19.497	ug/l	96
10) Methyl Iodide	2.41	142	16082	26.673	ug/l	98
11) Tert butyl alcohol	2.83	59	29473	126.236	ug/l	98
12) 1,1-Dichloroethene	2.28	96	14121	18.470	ug/l	97
13) Acrolein	2.19	56	17714	95.173	ug/l	95
14) Allyl chloride	2.59	41	40520	22.403	ug/l	91
15) Acrylonitrile	2.94	53	74199	114.469	ug/l	98
16) Acetone	2.32	43	67970	99.397	ug/l	97
17) Carbon Disulfide	2.48	76	48685	17.676	ug/l	99
18) Methyl Acetate	2.61	43	45765	25.817	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	62306	21.497	ug/l	100
20) Methylene Chloride	2.70	84	20410	20.247	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	16603	19.287	ug/l	99
22) Diisopropyl ether	3.57	45	78104	22.206	ug/l	98
23) Vinyl Acetate	3.52	43	323970	111.668	ug/l	99
24) 1,1-Dichloroethane	3.44	63	38261	20.781	ug/l	100
25) 2-Butanone	4.26	43	106097	113.532	ug/l	97
26) 2,2-Dichloropropane	4.23	77	29725	20.376	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	19801	20.323	ug/l	97
28) Bromochloromethane	4.55	49	20752	24.794	ug/l	97
29) Tetrahydrofuran	4.64	42	72207	120.309	ug/l	97
30) Chloroform	4.67	83	36437	22.707	ug/l	93
31) Cyclohexane	4.99	56	33955	18.136	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	28461	21.356	ug/l	97
36) 1,1-Dichloropropene	5.13	75	25063	18.557	ug/l	98
37) Ethyl Acetate	4.38	43	38499	22.051	ug/l	98
38) Carbon Tetrachloride	5.13	117	22340	20.522	ug/l	99

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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:22:09 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	27944	16.960	ug/l	99
40) Benzene	5.39	78	80476	20.232	ug/l	98
41) Methacrylonitrile	4.54	41	22109	23.123	ug/l	96
42) 1,2-Dichloroethane	5.40	62	30253	21.728	ug/l	96
43) Isopropyl Acetate	5.55	43	61384	22.229	ug/l	100
44) Trichloroethene	6.19	130	16953	19.168	ug/l	92
45) 1,2-Dichloropropane	6.43	63	24766	22.141	ug/l	99
46) Dibromomethane	6.56	93	14679	22.117	ug/l	98
47) Bromodichloromethane	6.76	83	28053	21.721	ug/l	99
48) Methyl methacrylate	6.62	41	30837	22.455	ug/l	98
49) 1,4-Dioxane	6.61	88	9759	450.058	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	198063	113.718	ug/l	98
52) Toluene	7.64	92	45055	19.246	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	32205	20.938	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	35161	21.070	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	20837	22.517	ug/l	98
56) Ethyl methacrylate	8.02	69	33595	21.200	ug/l	98
57) 1,3-Dichloropropane	8.24	76	35922	20.912	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	88652	109.222	ug/l	98
59) 2-Hexanone	8.36	43	151906	110.038	ug/l	99
60) Dibromochloromethane	8.48	129	19816	21.872	ug/l	99
61) 1,2-Dibromoethane	8.58	107	21332	21.983	ug/l	99
64) Tetrachloroethene	8.23	164	14259	18.369	ug/l	94
65) Chlorobenzene	9.12	112	47600	19.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	17272	21.810	ug/l	99
67) Ethyl Benzene	9.25	91	84495	18.534	ug/l	100
68) m/p-Xylenes	9.37	106	63689	38.394	ug/l	99
69) o-Xylene	9.78	106	30944	19.195	ug/l	97
70) Styrene	9.79	104	50130	18.790	ug/l	98
71) Bromoform	9.96	173	15187	22.544	ug/l #	99
73) Isopropylbenzene	10.16	105	79357	19.315	ug/l	99
74) N-amyl acetate	10.01	43	52166	22.012	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	37230	23.590	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	44395	32.471	ug/l	82
77) Bromobenzene	10.45	156	20044	20.860	ug/l	99
78) n-propylbenzene	10.58	91	95572	18.721	ug/l	98
79) 2-Chlorotoluene	10.66	91	60440	20.553	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	66740	19.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	44395	79.524	ug/l #	100
82) 4-Chlorotoluene	10.77	91	67887	19.481	ug/l	100
83) tert-Butylbenzene	11.10	119	64780	19.762	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	67824	19.351	ug/l	99
85) sec-Butylbenzene	11.32	105	78727	18.695	ug/l	100
86) p-Isopropyltoluene	11.47	119	64828	18.123	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	35386	19.503	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	36004	19.180	ug/l	98
89) n-Butylbenzene	11.89	91	61574	17.008	ug/l	98
90) Hexachloroethane	12.14	117	11853	21.922	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	35729	19.687	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	7916	23.168	ug/l	97

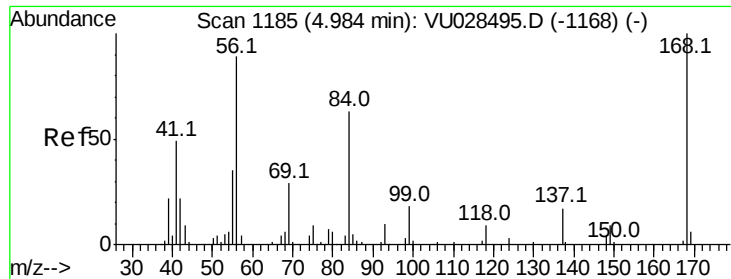
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121518\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	21342	17.668	ug/l	99
94) Hexachlorobutadiene	13.69	225	10226	17.201	ug/l	96
95) Naphthalene	13.74	128	78197	17.956	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	22711	18.391	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: VU028687.D

Acq: 14 Dec 2018 16:51

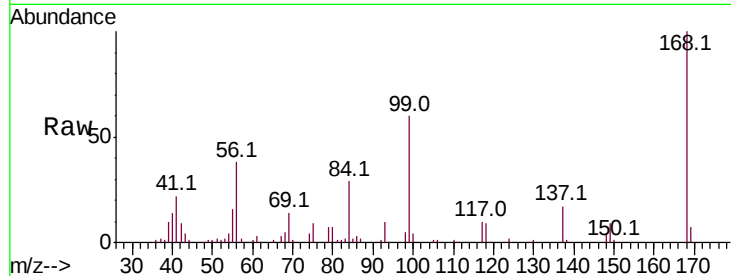
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 68669

Ion Ratio Lower Upper

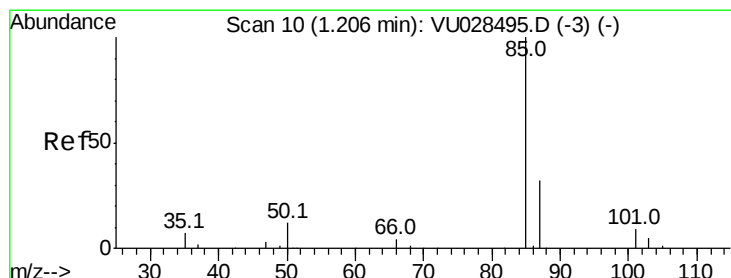
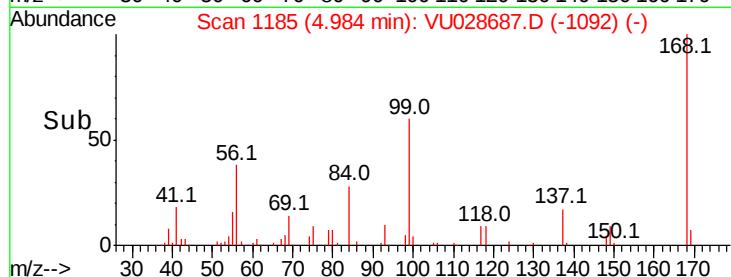
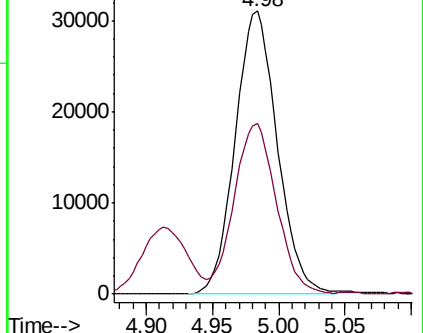
168 100

99 59.7 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: 18.221 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028687.D

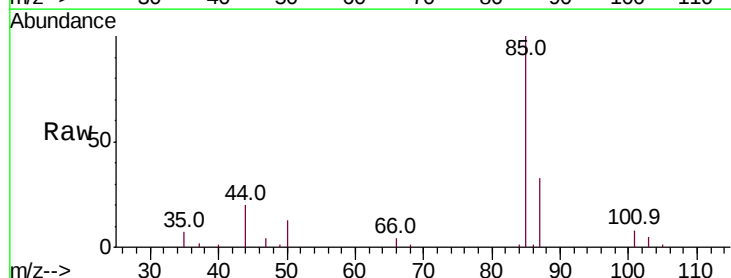
Acq: 14 Dec 2018 16:51

Tgt Ion: 85 Resp: 16771

Ion Ratio Lower Upper

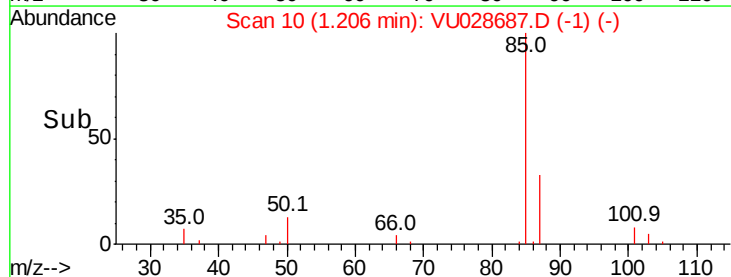
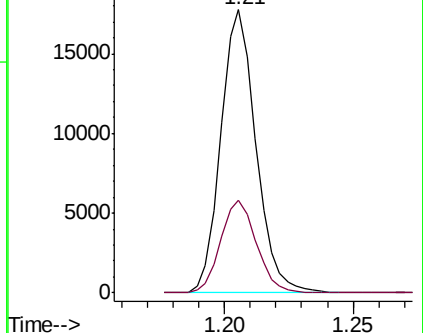
85 100

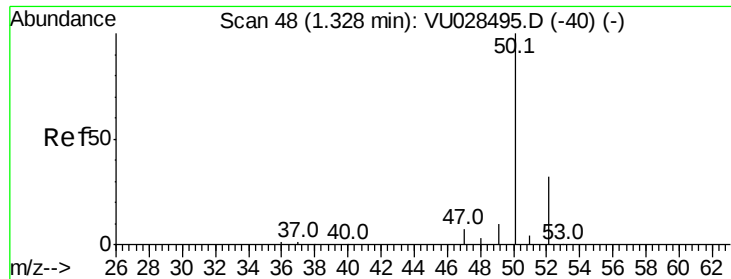
87 32.7 15.9 47.6



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: 18.707 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

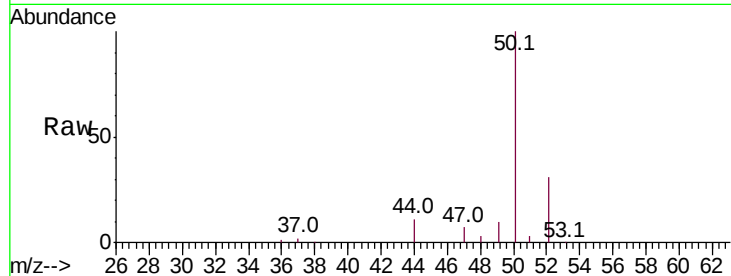
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 31656

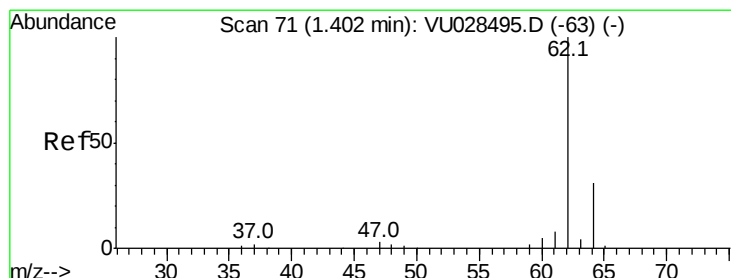
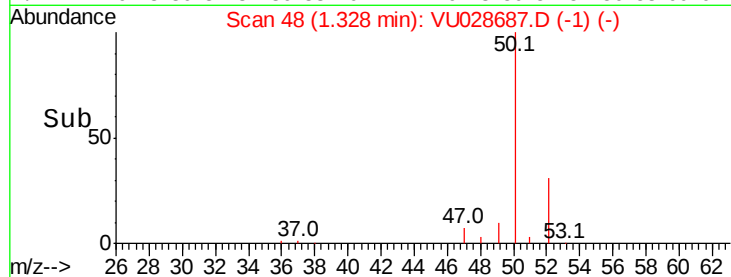
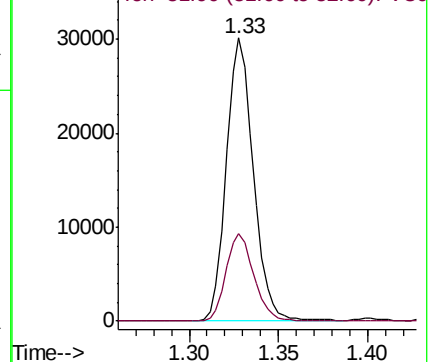
Ion Ratio Lower Upper

50 100

52 30.7 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: 18.460 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028687.D

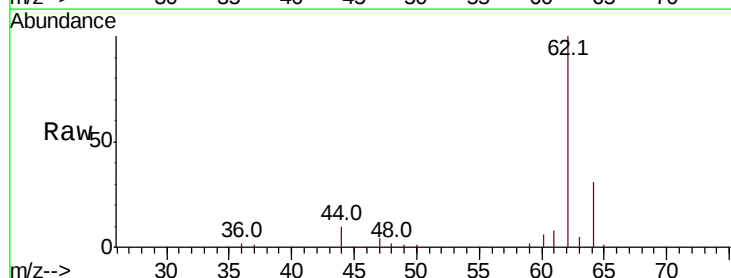
Acq: 14 Dec 2018 16:51

Tgt Ion: 62 Resp: 22543

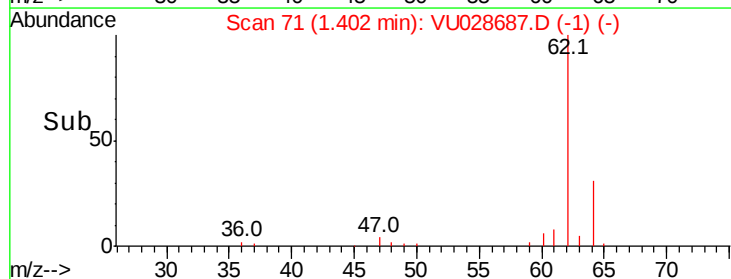
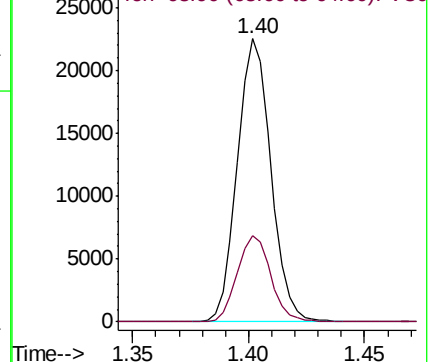
Ion Ratio Lower Upper

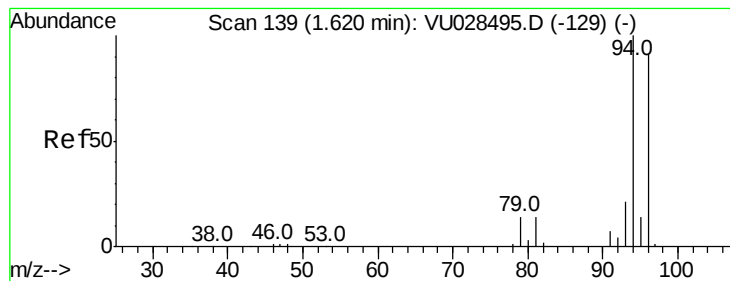
62 100

64 30.5 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: 19.339 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

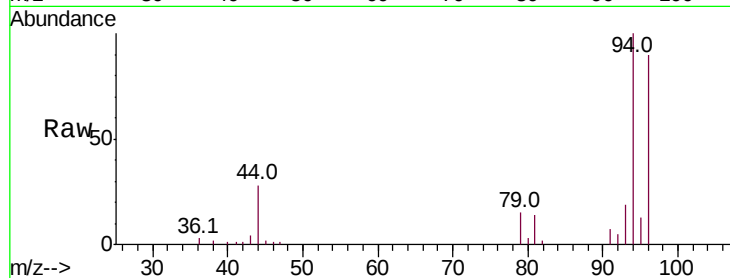
ClientSampleId :

Tot Ion: 94 Resp: 9513

Ion Ratio Lower Upper

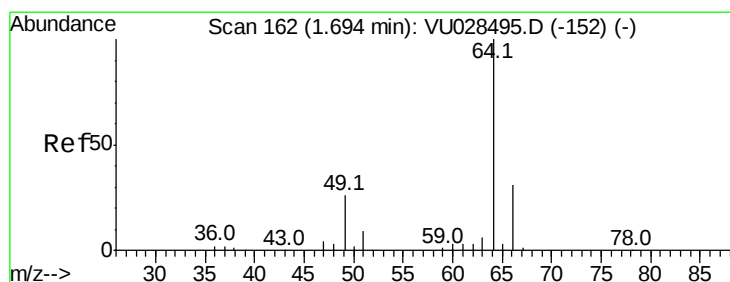
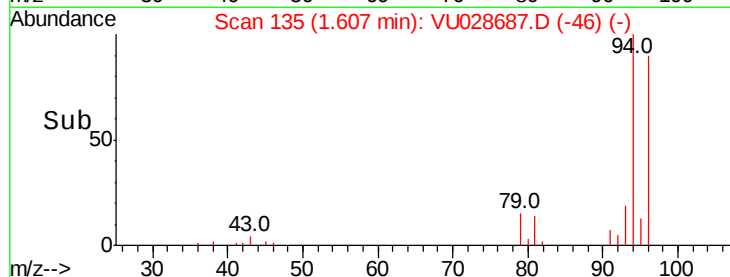
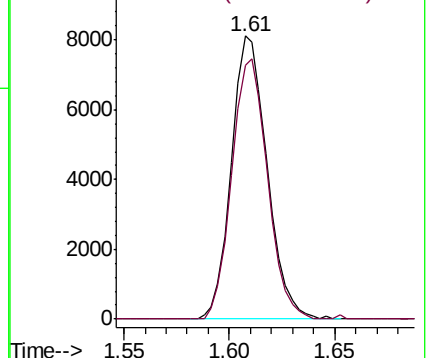
94 100

96 89.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.719 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028687.D

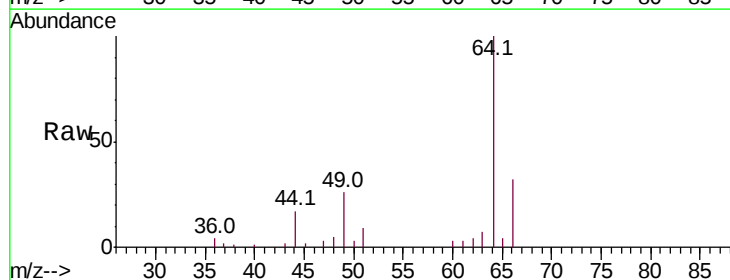
Acq: 14 Dec 2018 16:51

Tgt Ion: 64 Resp: 12941

Ion Ratio Lower Upper

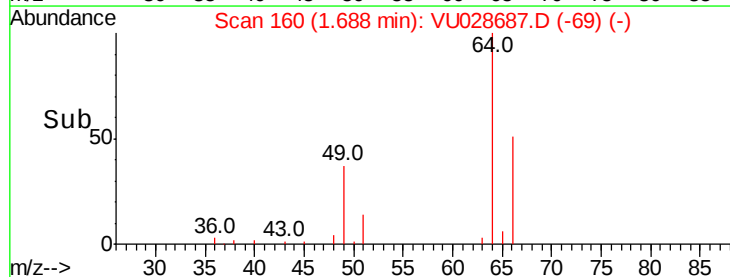
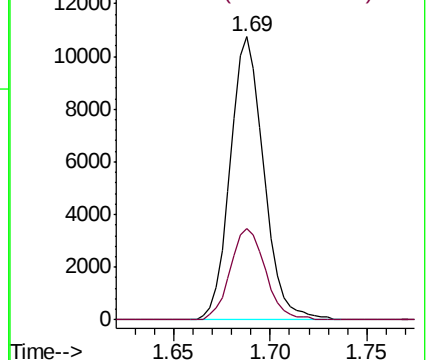
64 100

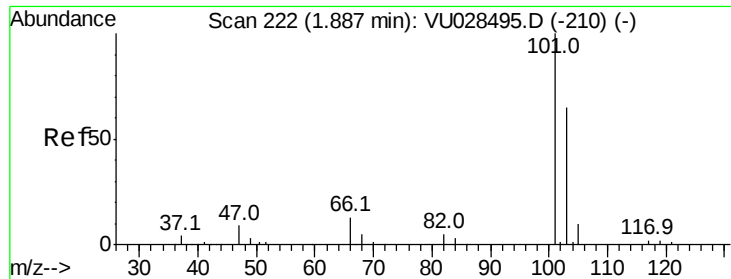
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



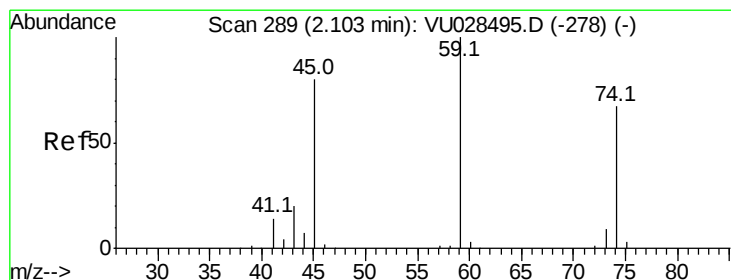
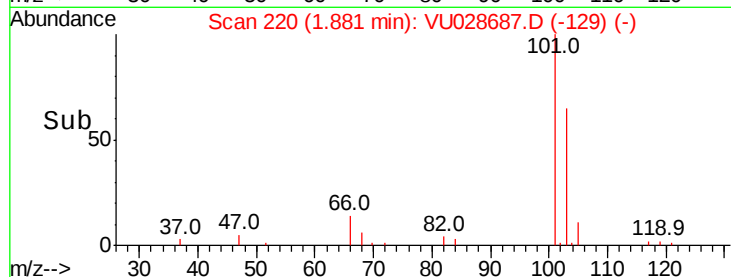
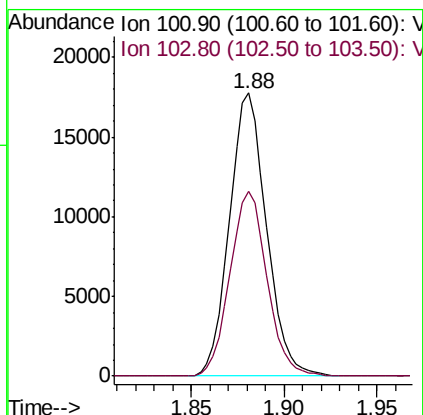
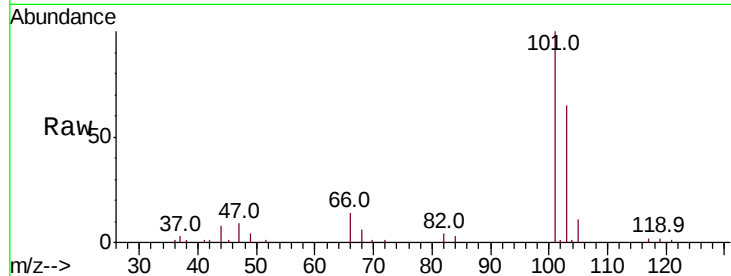


#7

Trichlorofluoromethane
 Concen: 19.117 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :

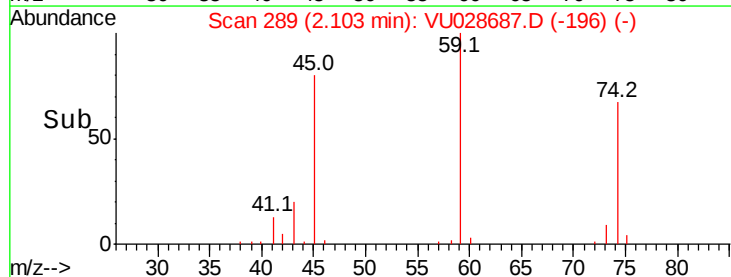
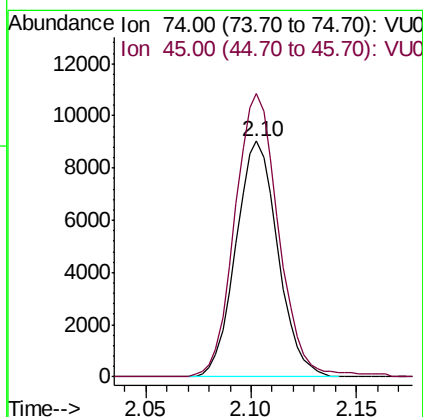
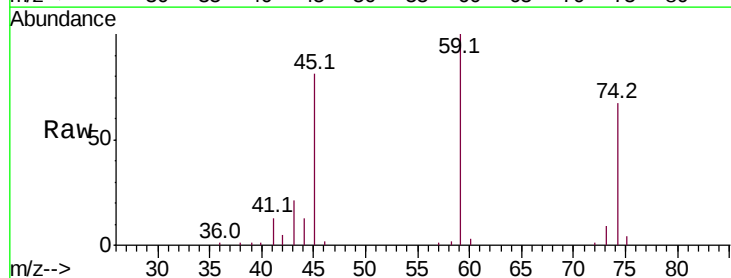
Tot Ion:101 Resp: 24562
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.3 78.5



#8

Diethyl Ether
 Concen: 20.778 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion: 74 Resp: 12490
 Ion Ratio Lower Upper
 74 100
 45 125.4 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.497 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

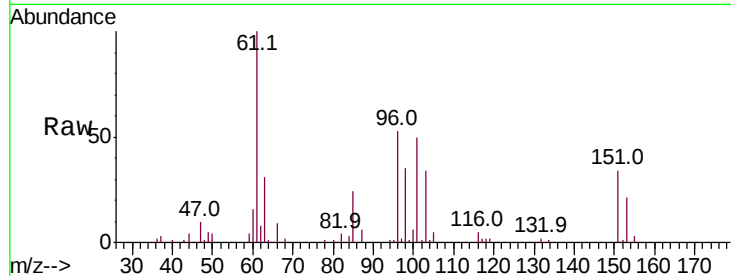
Tot Ion:101 Resp: 14982

Ion Ratio Lower Upper

101 100

85 47.7 36.4 54.6

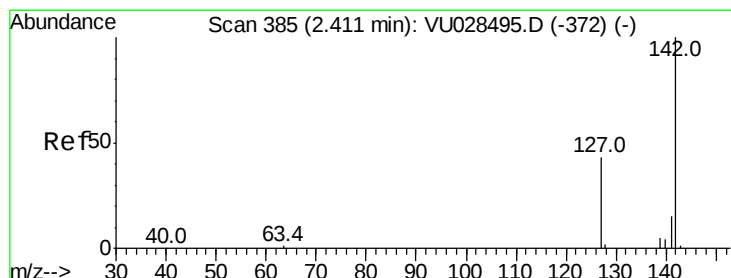
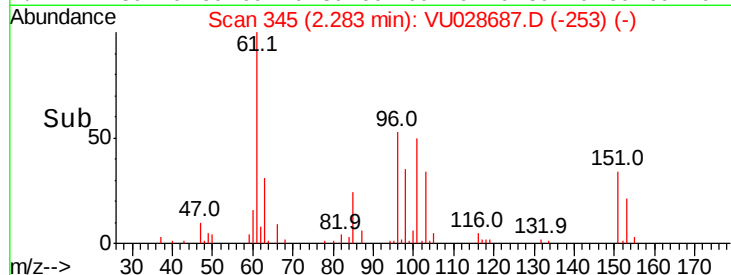
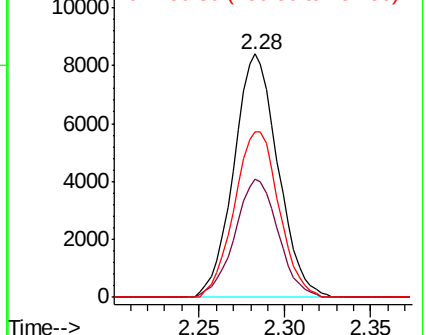
151 68.7 58.2 87.2



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: 26.673 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

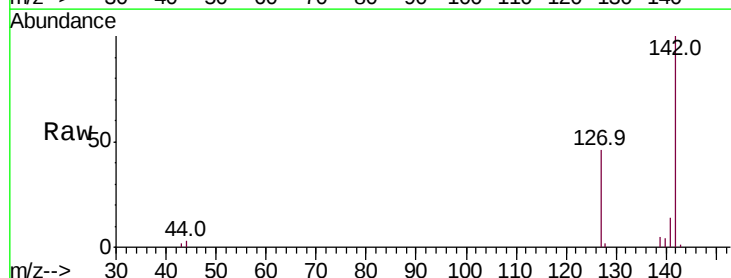
Tgt Ion:142 Resp: 16082

Ion Ratio Lower Upper

142 100

127 43.7 33.5 50.3

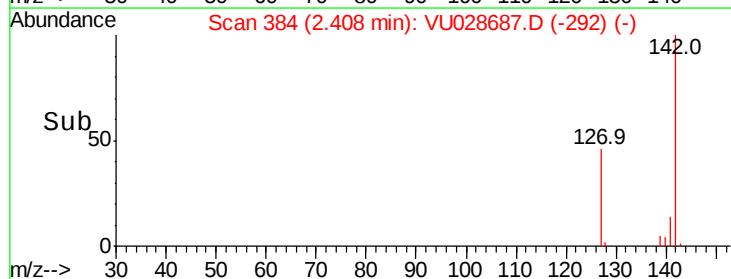
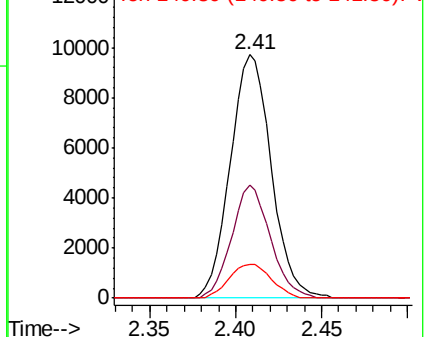
141 14.3 11.2 16.8



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



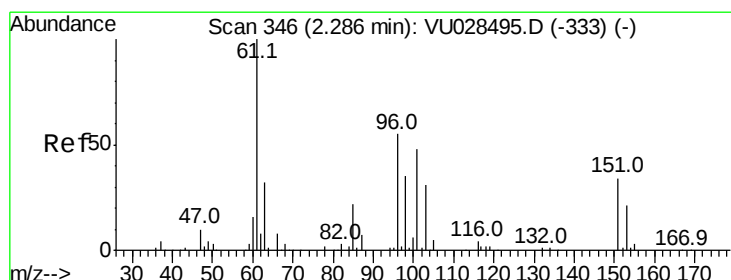
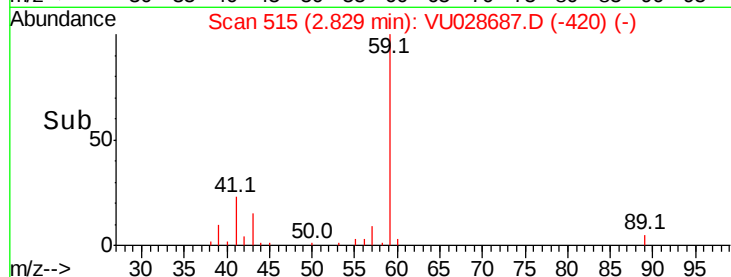
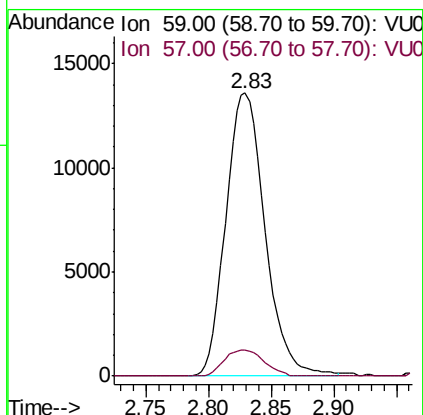
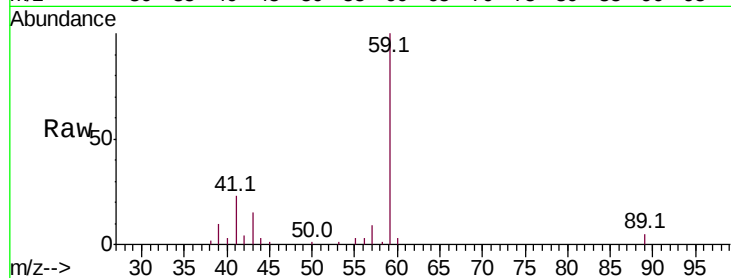


#11

Tert butyl alcohol
 Concen: 126.236 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :

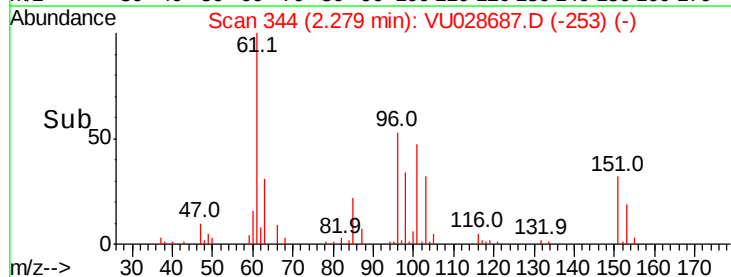
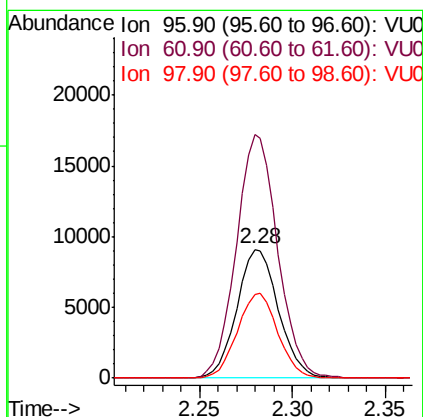
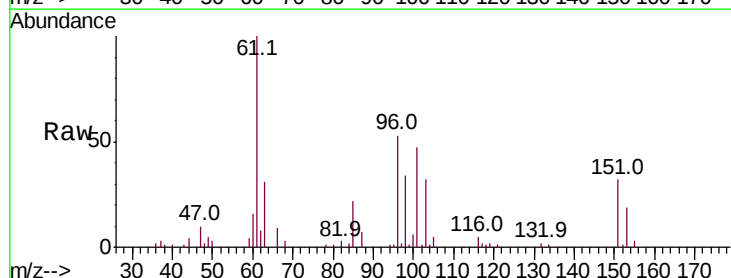
Tot Ion: 59 Resp: 29473
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.0 12.0

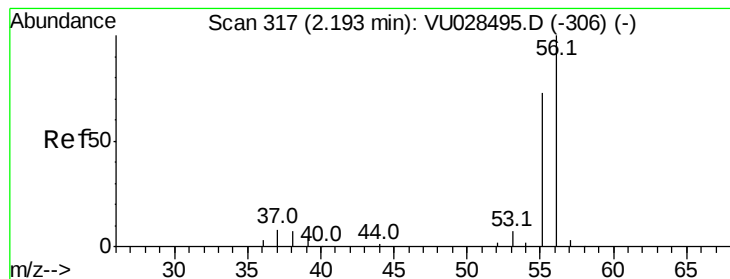


#12

1,1-Dichloroethene
 Concen: 18.470 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion: 96 Resp: 14121
 Ion Ratio Lower Upper
 96 100
 61 188.9 146.4 219.6
 98 64.8 51.8 77.8





#13

Acrolein

Concen: 95.173 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

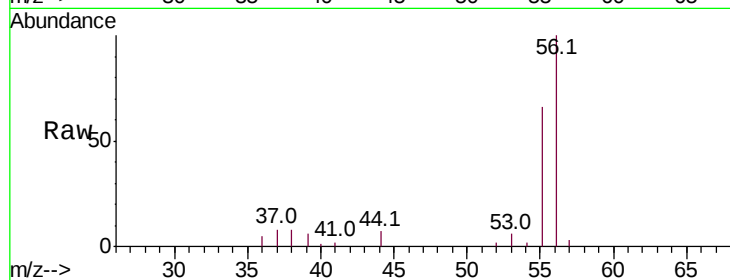
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 17714

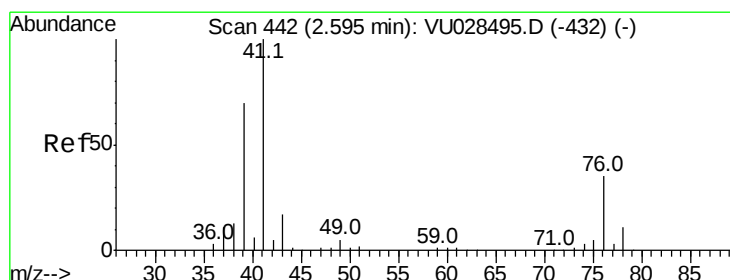
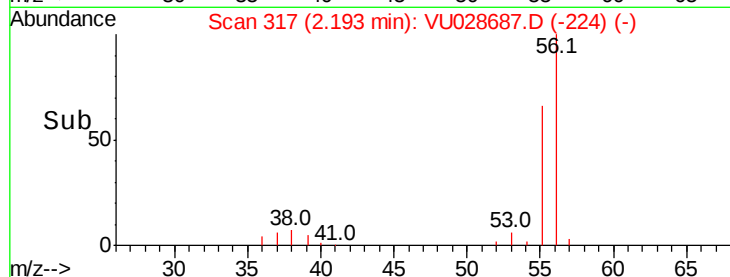
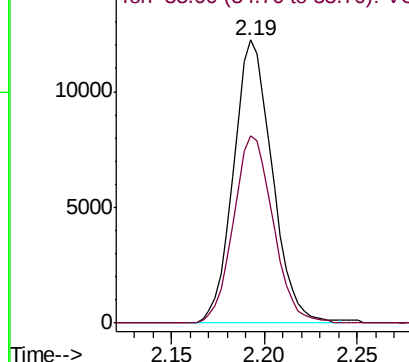
Ion Ratio Lower Upper

56 100

55 67.9 57.5 86.3



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



#14

Allyl chloride

Concen: 22.403 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

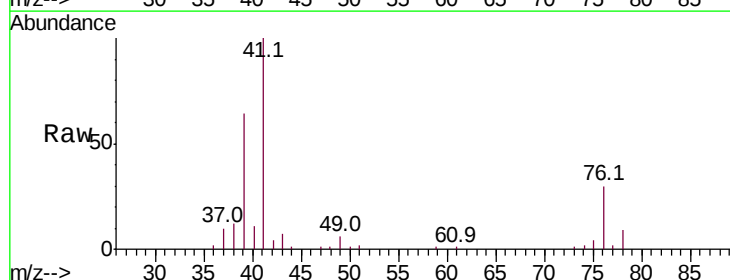
Tgt Ion: 41 Resp: 40520

Ion Ratio Lower Upper

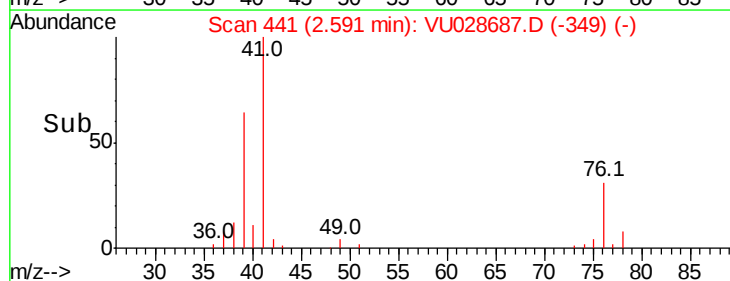
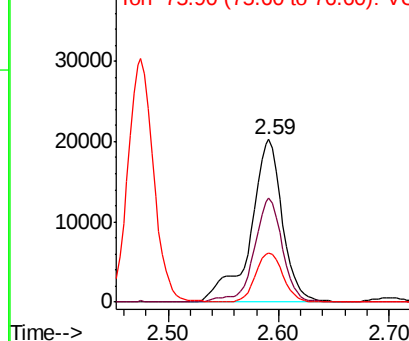
41 100

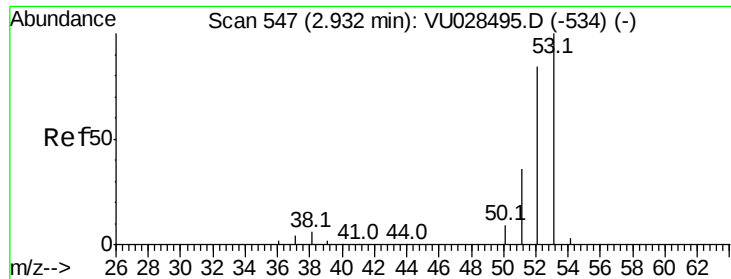
39 56.6 50.8 76.2

76 26.0 24.8 37.2



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





#15

Acrylonitrile

Concen: 114.469 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampled :

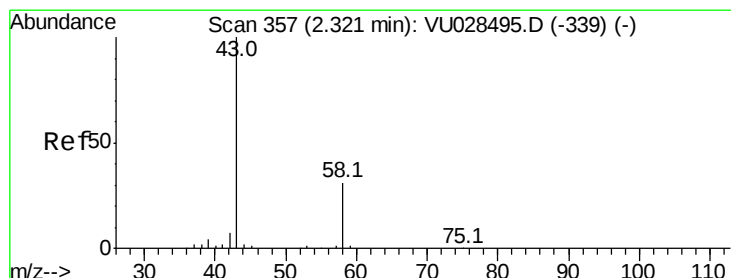
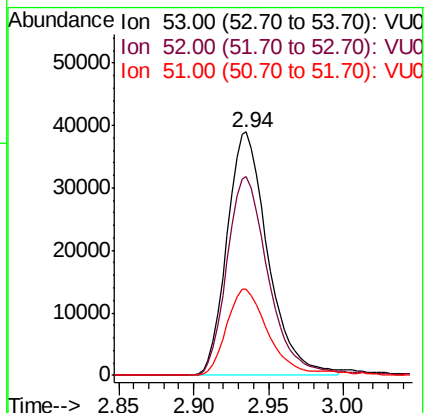
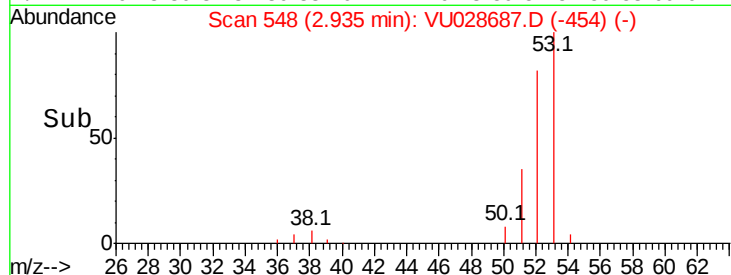
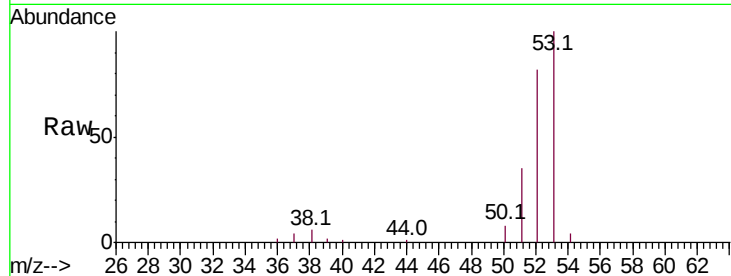
Tot Ion: 53 Resp: 74199

Ion Ratio Lower Upper

53 100

52 83.3 66.1 99.1

51 36.9 28.1 42.1



#16

Acetone

Concen: 99.397 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028687.D

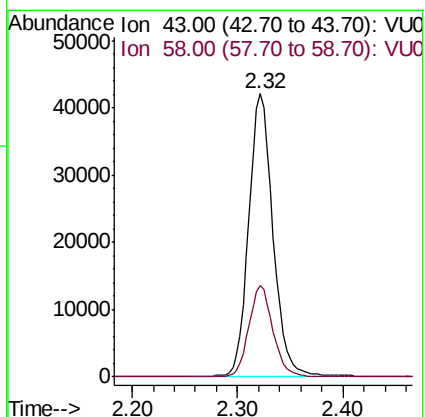
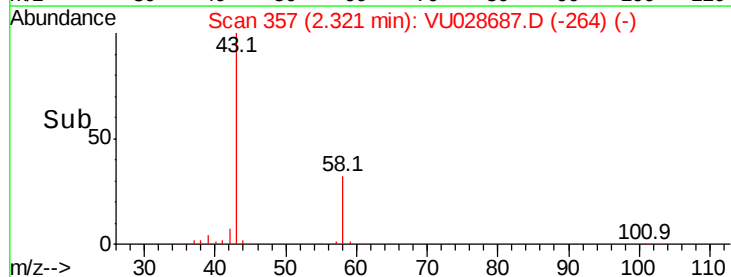
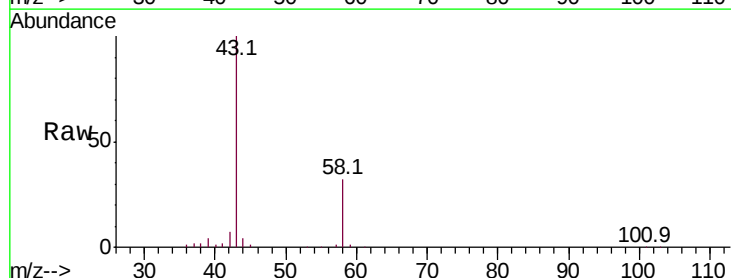
Acq: 14 Dec 2018 16:51

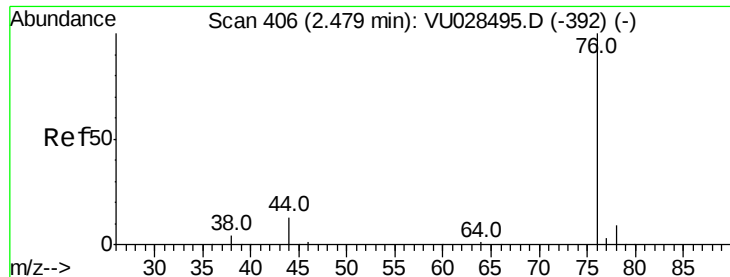
Tgt Ion: 43 Resp: 67970

Ion Ratio Lower Upper

43 100

58 32.5 24.6 37.0

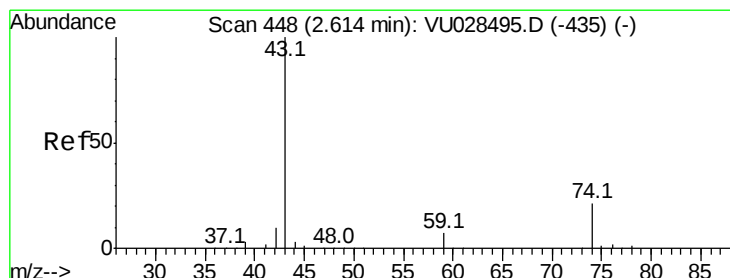
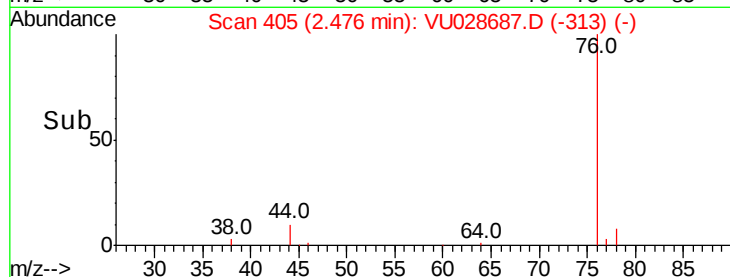
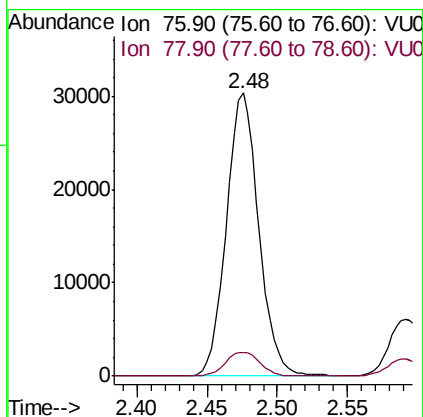
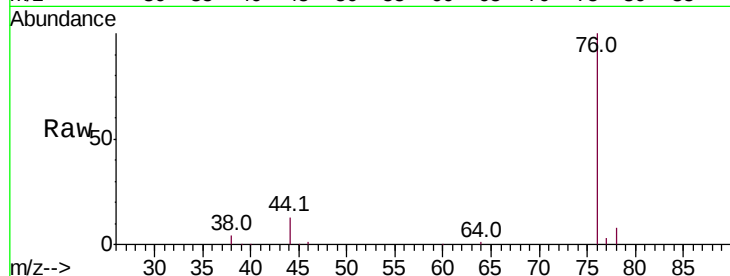




#17
Carbon Disulfide
Concen: 17.676 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

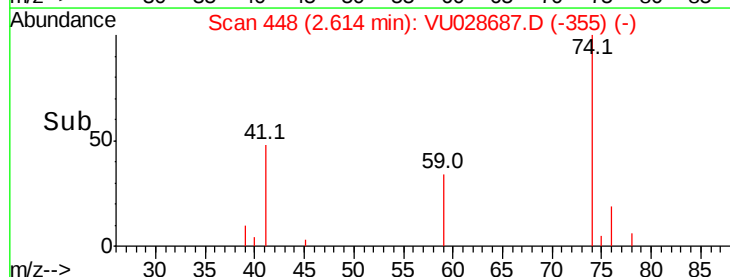
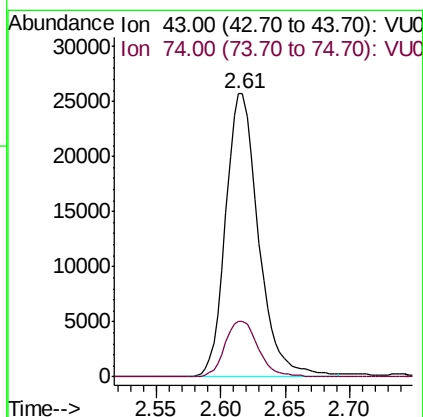
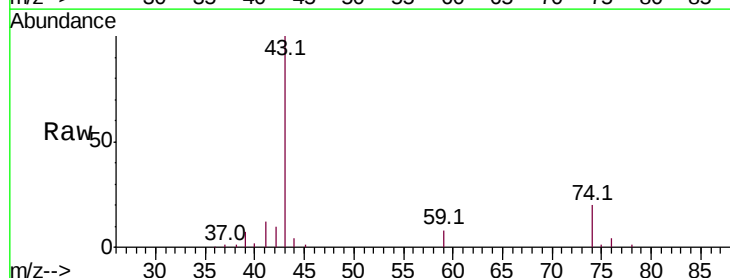
Instrument :
MSVOA_U
ClientSampleId :

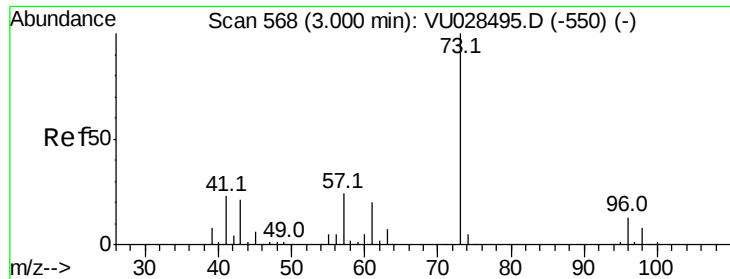
Tot Ion: 76 Resp: 48685
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 25.817 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 43 Resp: 45765
Ion Ratio Lower Upper
43 100
74 19.8 16.4 24.6

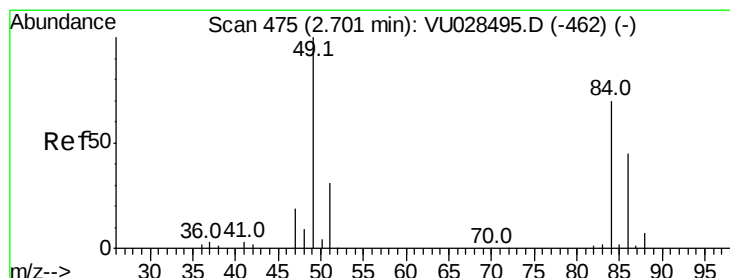
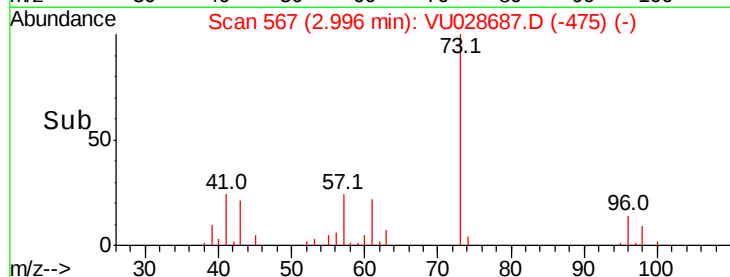
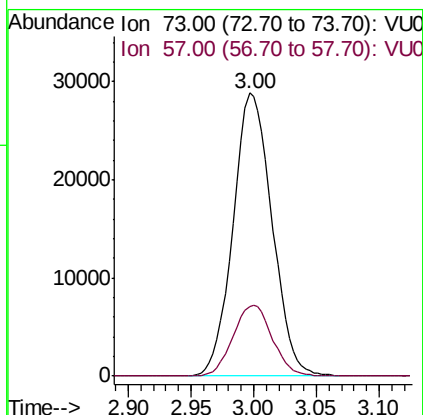
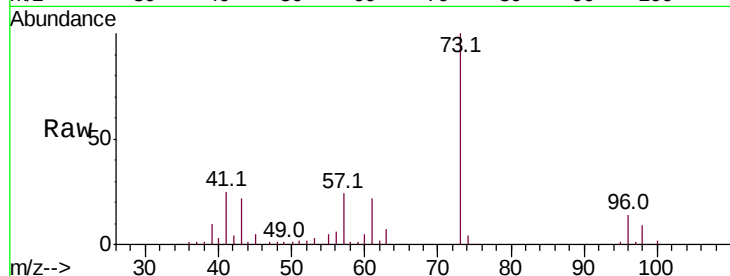




#19
Methvl tert-butvl Ether
Concen: 21.497 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

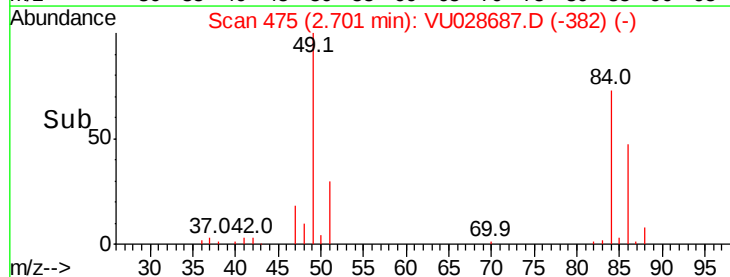
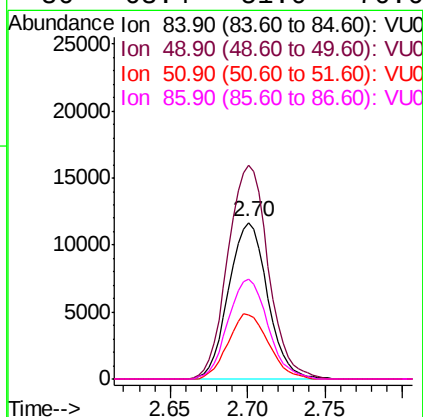
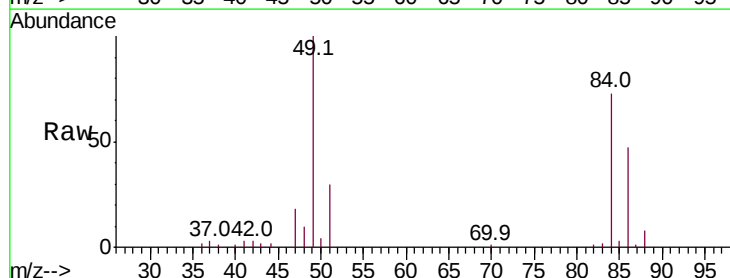
Instrument :
MSVOA_U
ClientSampleId :

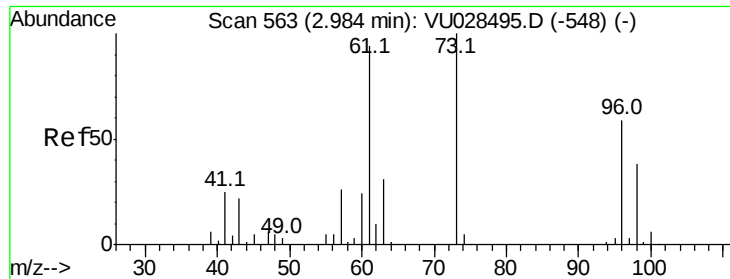
Tot Ion: 73 Resp: 62306
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.2



#20
Methylene Chloride
Concen: 20.247 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 84 Resp: 20410
Ion Ratio Lower Upper
84 100
49 136.3 114.0 171.0
51 41.2 35.1 52.7
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.287 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

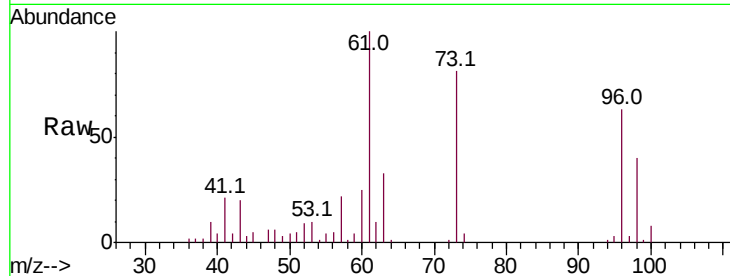
Tot Ion: 96 Resp: 16603

Ion Ratio Lower Upper

96 100

61 159.6 127.0 190.4

98 64.1 51.9 77.9

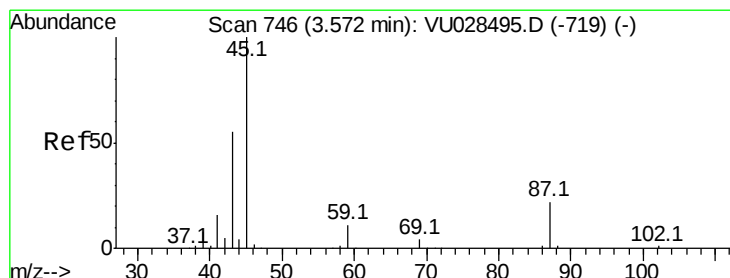
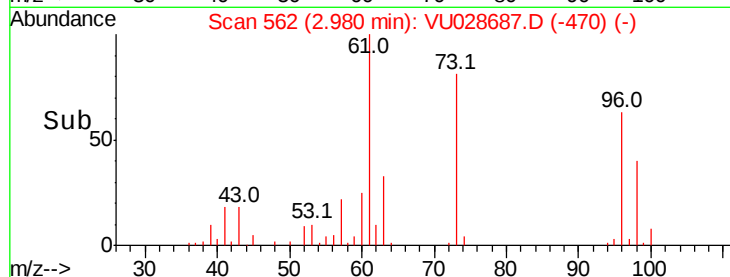
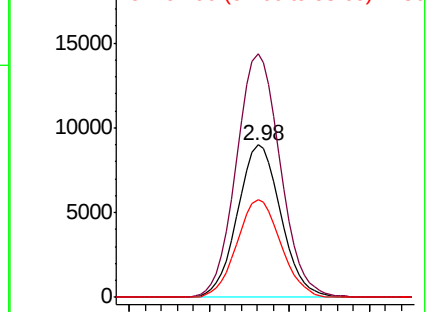


Abundance

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: 22.206 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion: 45 Resp: 78104

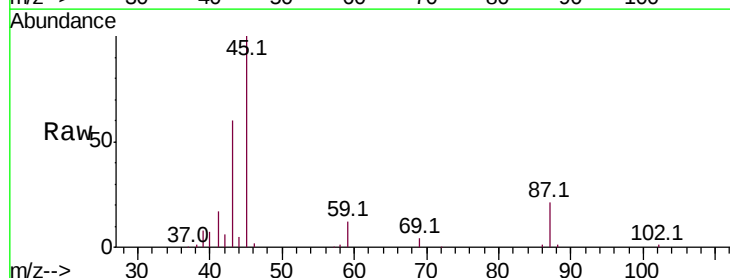
Ion Ratio Lower Upper

45 100

43 58.5 45.3 67.9

87 21.4 17.6 26.4

59 11.7 8.8 13.2



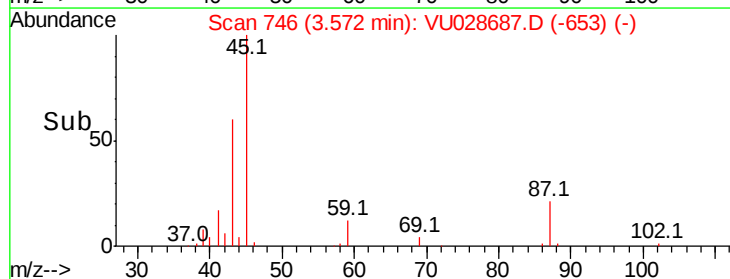
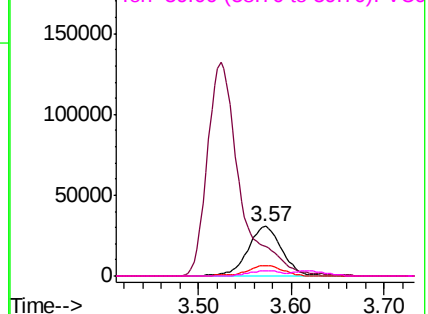
Abundance

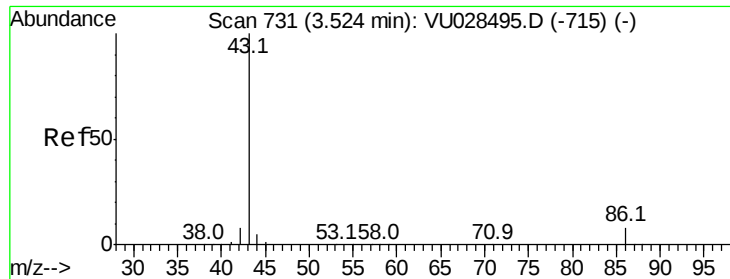
Ion 45.00 (44.70 to 45.70): VU0

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: 111.668 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

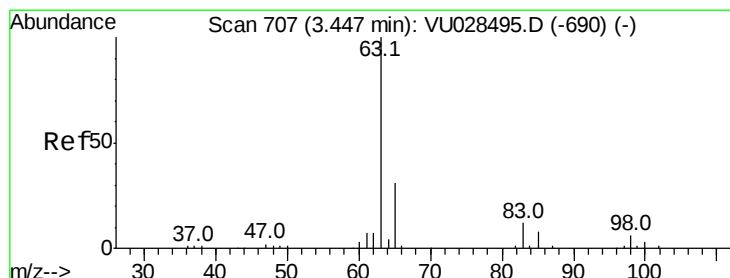
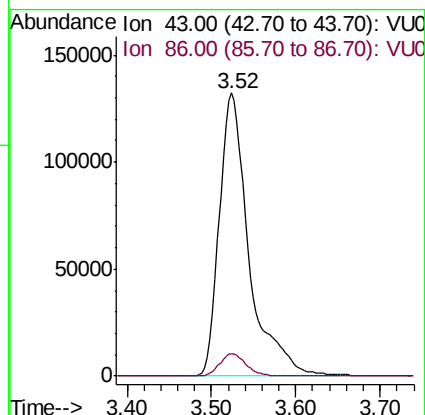
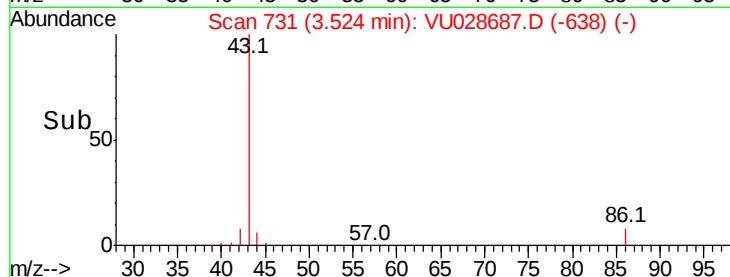
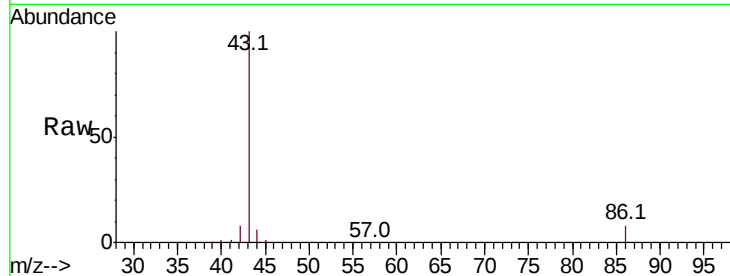
ClientSampled :

Tot Ion: 43 Resp: 323970

Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2



#24

1,1-Dichloroethane

Concen: 20.781 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

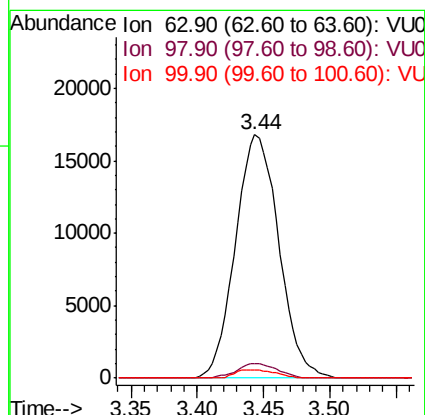
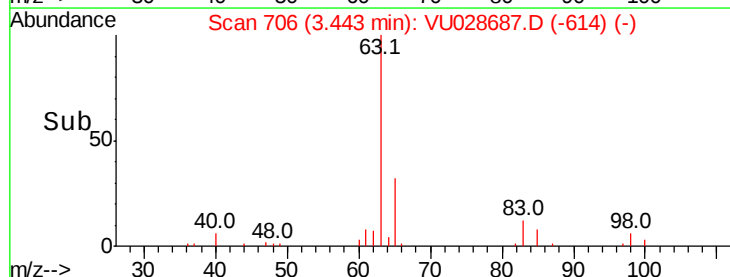
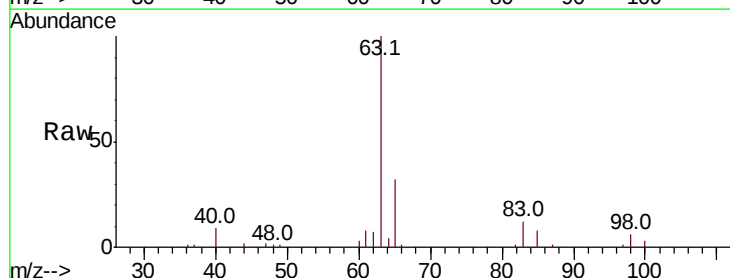
Tgt Ion: 63 Resp: 38261

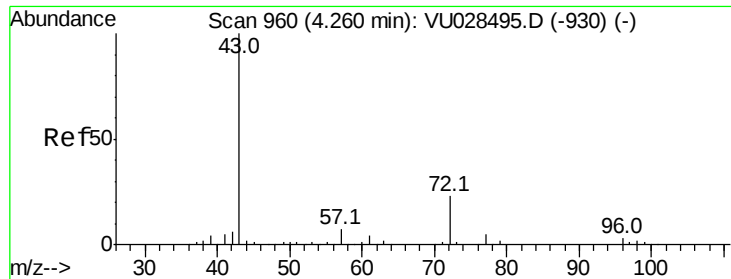
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.3 1.7 5.1





#25

2-Butanone

Concen: 113.532 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

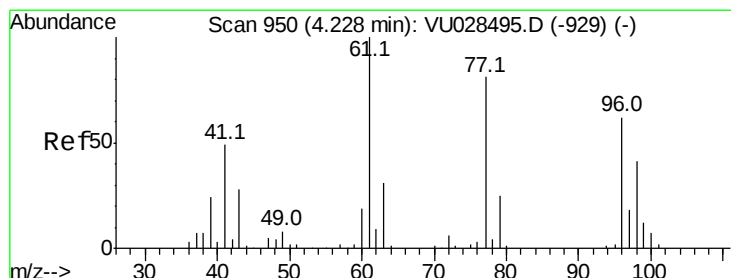
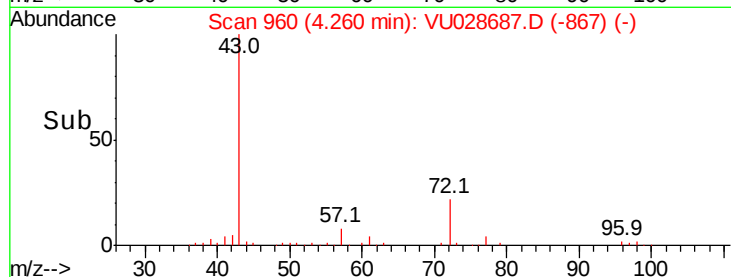
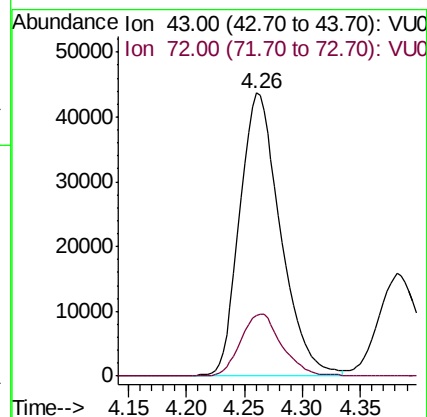
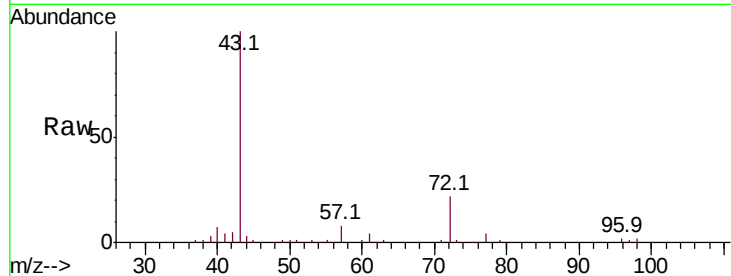
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 106097

Ion Ratio Lower Upper

43 100

72 21.6 18.6 28.0



#26

2,2-Dichloropropane

Concen: 20.376 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028687.D

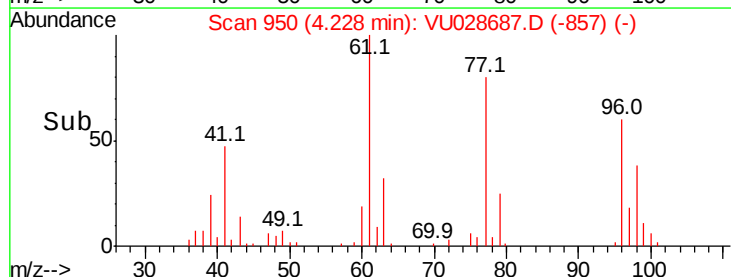
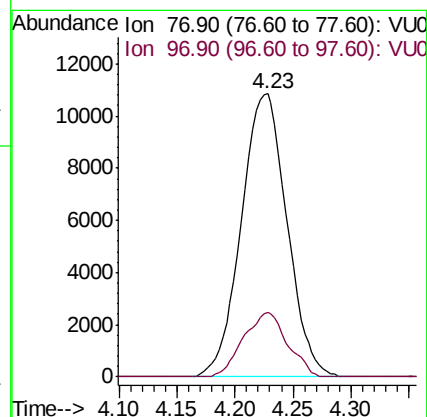
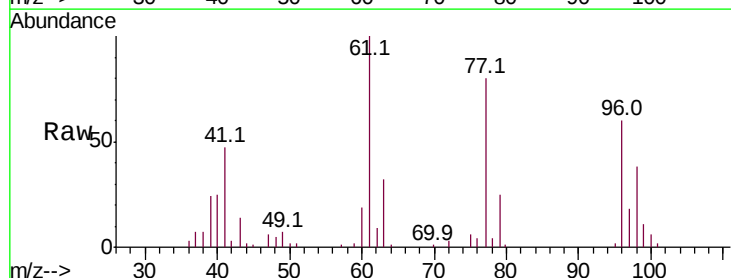
Acq: 14 Dec 2018 16:51

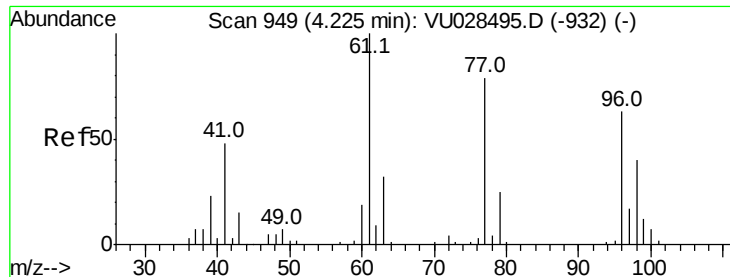
Tgt Ion: 77 Resp: 29725

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



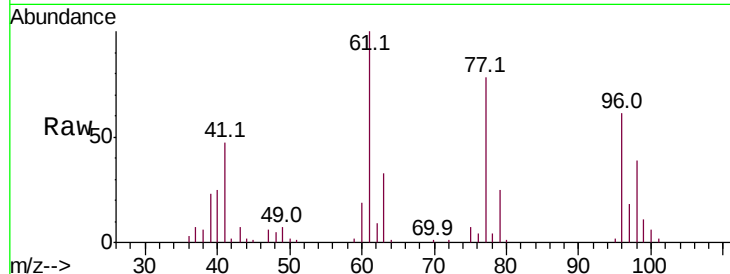


#27

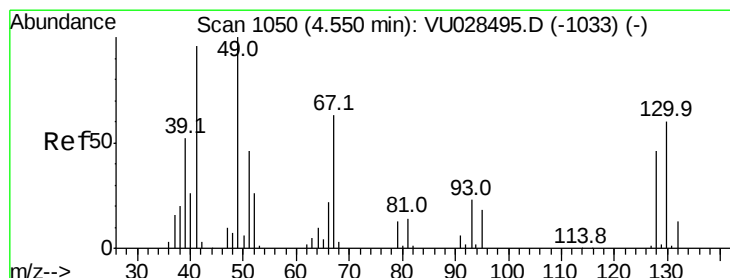
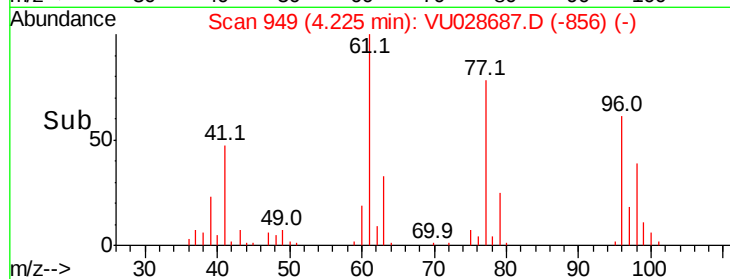
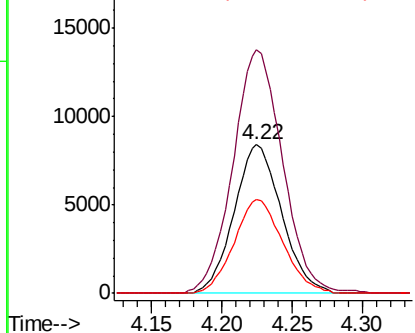
cis-1,2-Dichloroethene
Concen: 20.323 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 19801
Ion Ratio Lower Upper
96 100
61 171.2 0.0 332.4
98 64.7 0.0 129.0



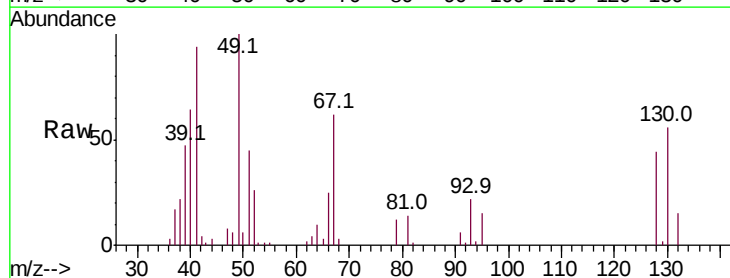
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



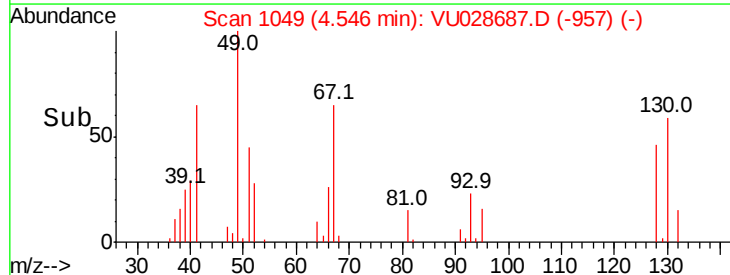
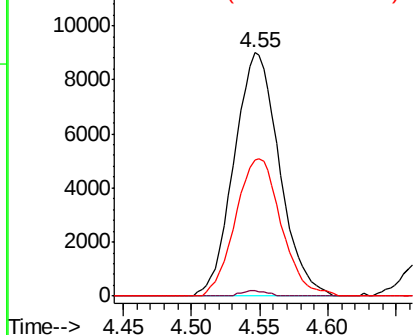
#28

Bromochloromethane
Concen: 24.794 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 49 Resp: 20752
Ion Ratio Lower Upper
49 100
129 1.2 0.0 3.0
130 57.1 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: 120.309 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

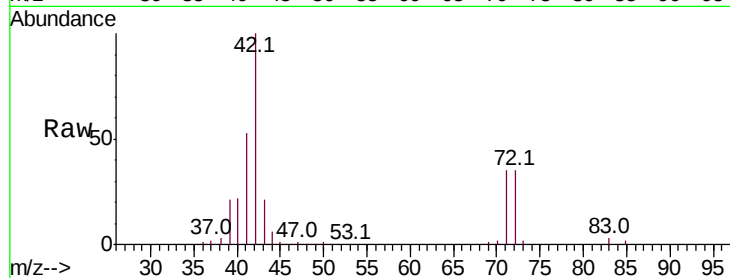
Tot Ion: 42 Resp: 72207

Ion Ratio Lower Upper

42 100

72 36.7 31.4 47.0

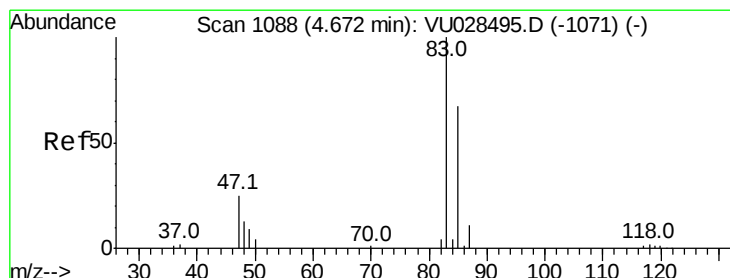
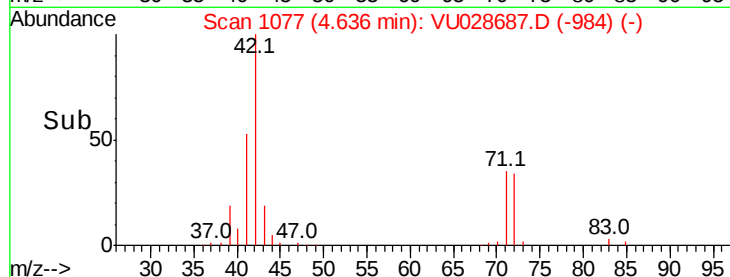
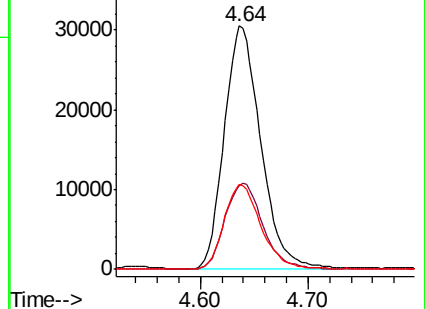
71 35.2 28.6 43.0



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: 22.707 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028687.D

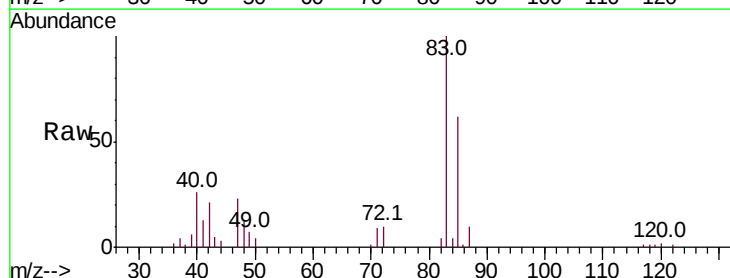
Acq: 14 Dec 2018 16:51

Tgt Ion: 83 Resp: 36437

Ion Ratio Lower Upper

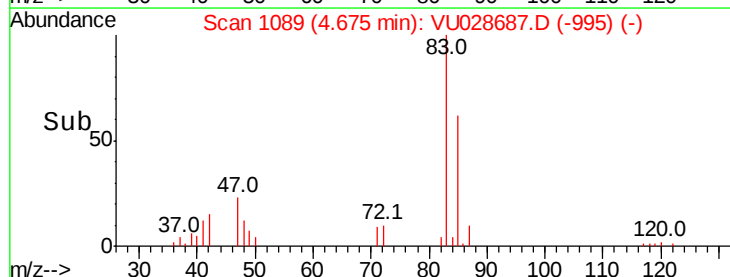
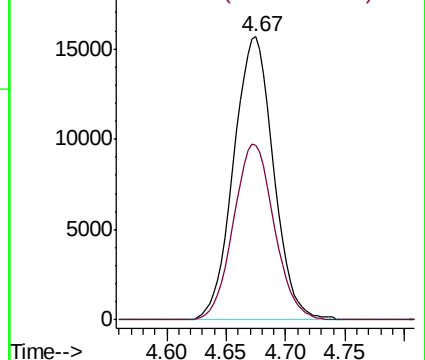
83 100

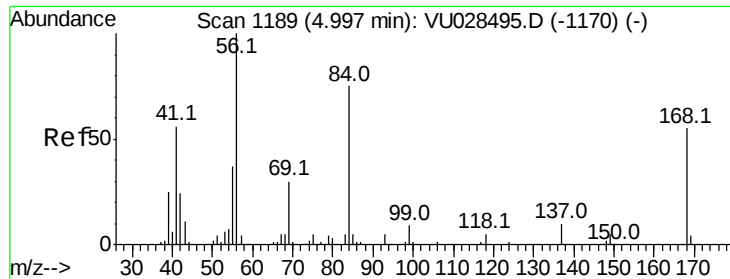
85 61.8 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

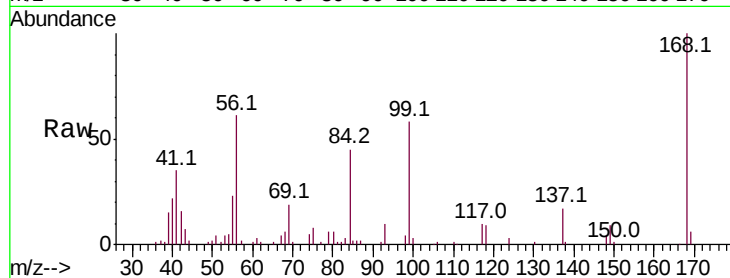




#31
Cyclohexane
Concen: 18.136 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	56	69	84
Resp	33955		
Ratio	100	31.2	73.3
Lower		24.0	59.7
Upper		36.0	89.5

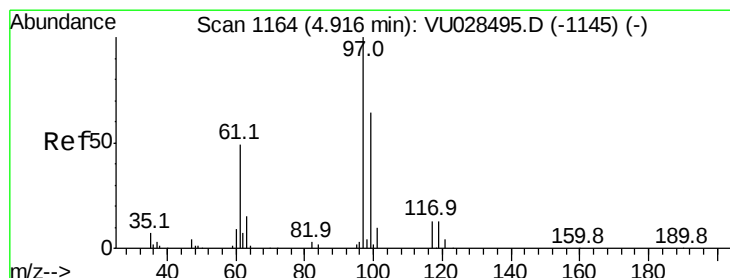
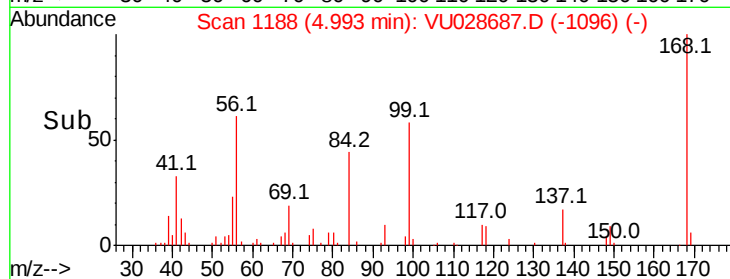
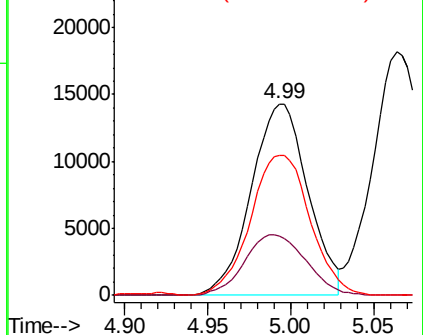


Abundance

Ion 56.00 (55.70 to 56.70): VU0

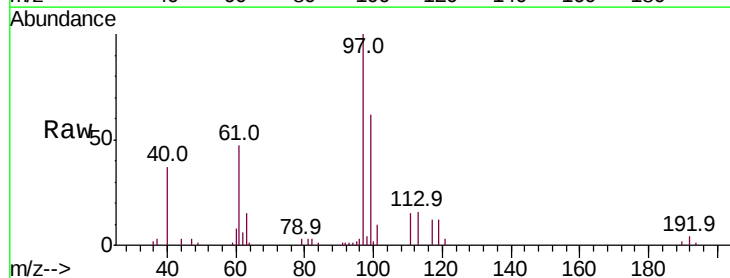
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 21.356 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	97	99	61
Resp	28461		
Ratio	100	62.2	46.9
Lower		52.3	39.0
Upper		78.5	58.6

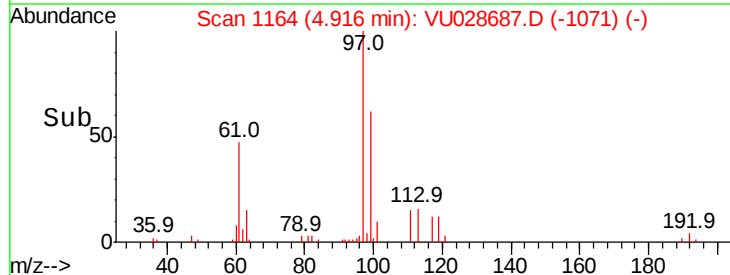
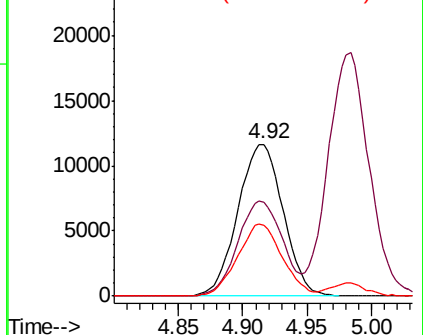


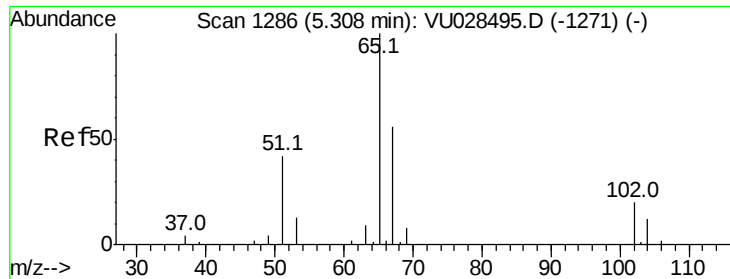
Abundance

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

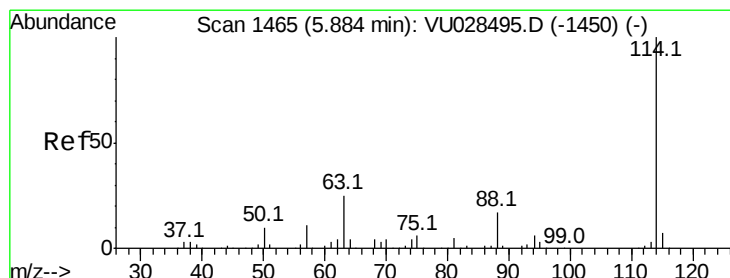
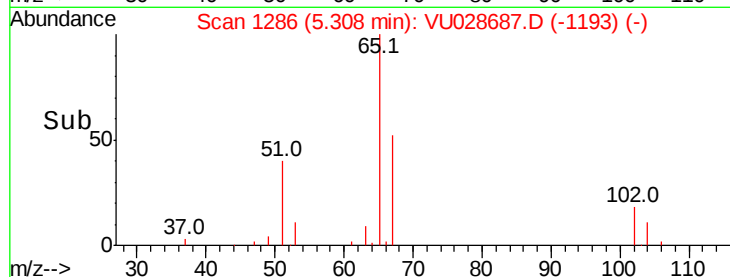
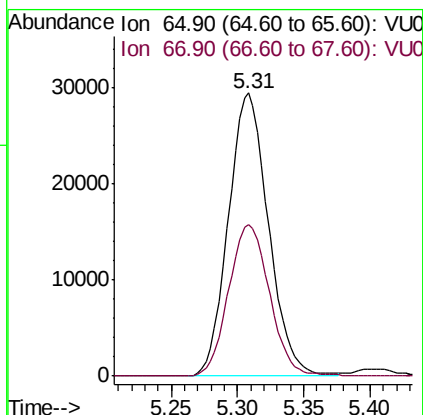
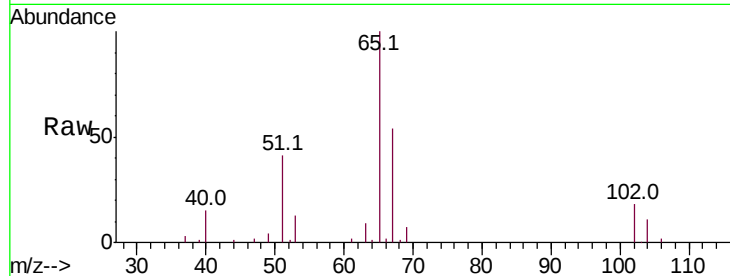




#33
 1,2-Dichloroethane-d4
 Concen: 58.927 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

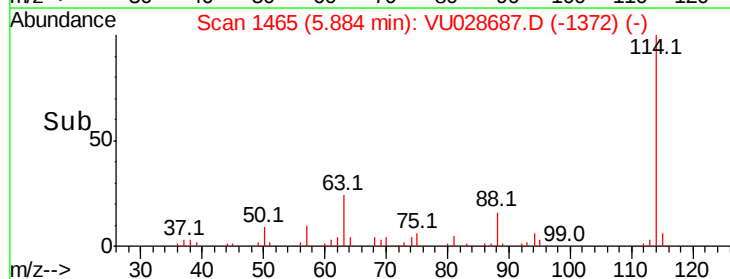
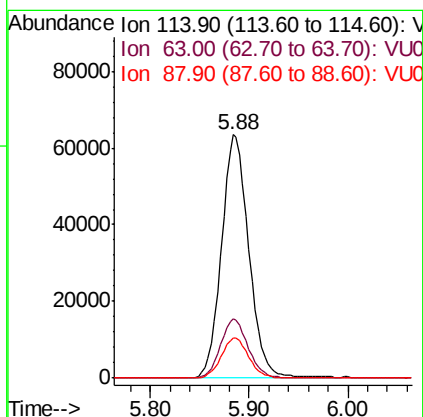
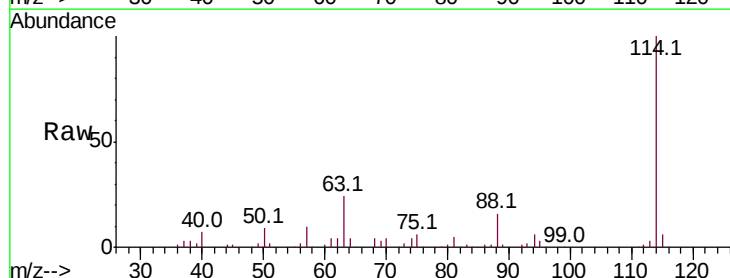
Instrument :
 MSVOA_U
 ClientSampleId :

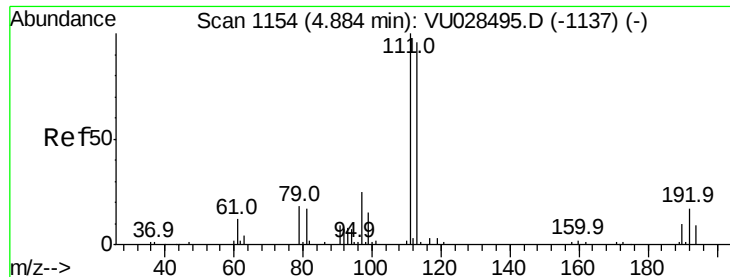
Tot Ion: 65 Resp: 61752
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion:114 Resp: 123421
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.3 0.0 33.4

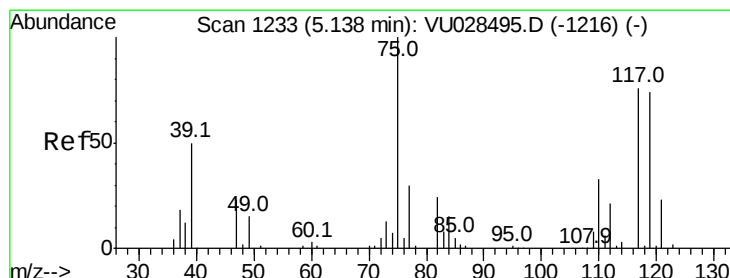
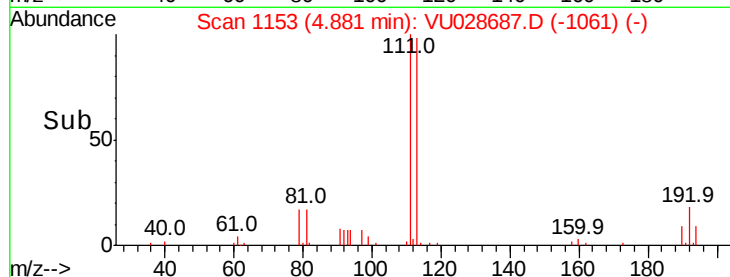
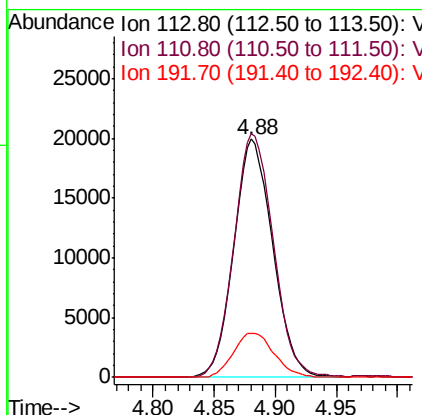
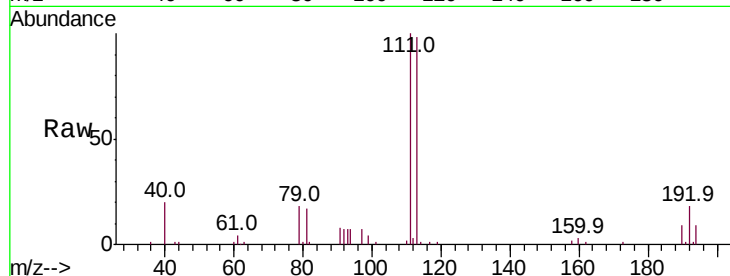




#35
 Dibromofluoromethane
 Concen: 56.621 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

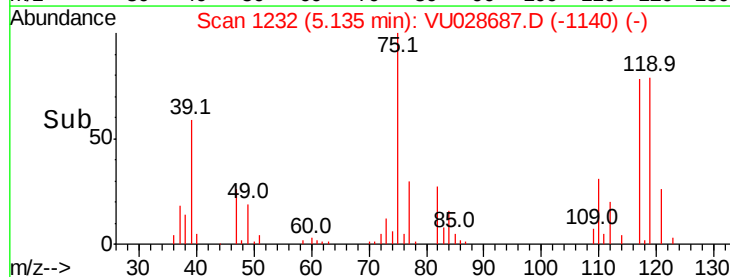
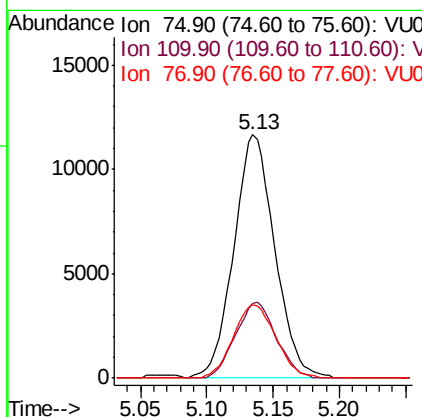
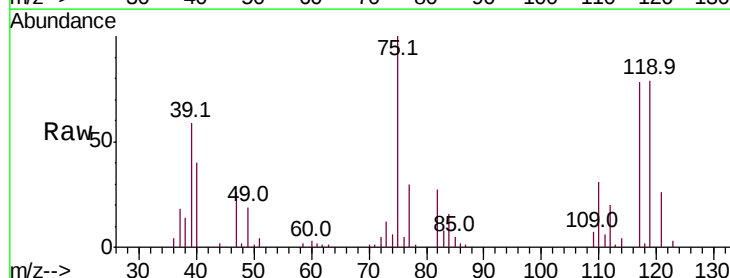
Instrument :
 MSVOA_U
 ClientSampled :

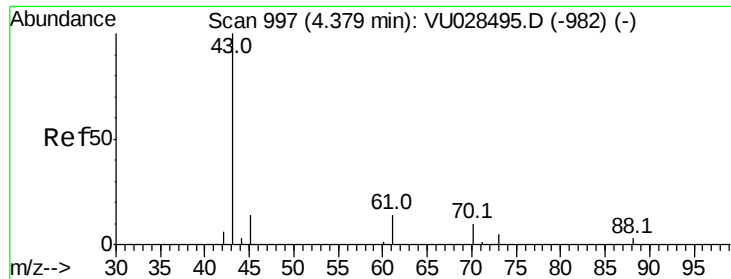
Tot Ion:113 Resp: 43977
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.0
 192 19.3 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 18.557 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion: 75 Resp: 25063
 Ion Ratio Lower Upper
 75 100
 110 30.7 16.1 48.2
 77 31.2 24.5 36.7





#37

Ethyl Acetate

Concen: 22.051 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampled :

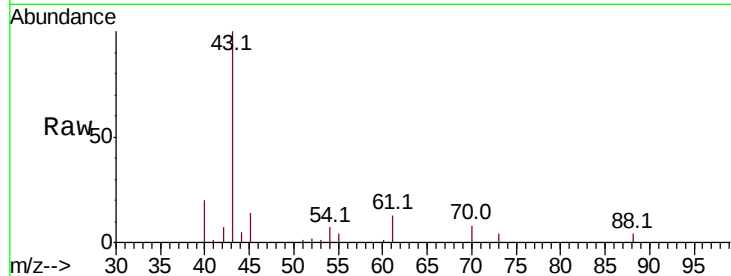
Tot Ion: 43 Resp: 38499

Ion Ratio Lower Upper

43 100

61 12.8 11.0 16.4

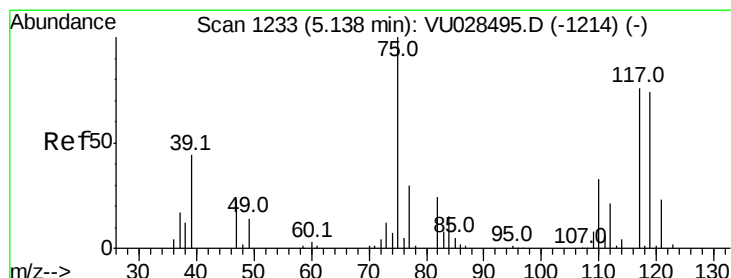
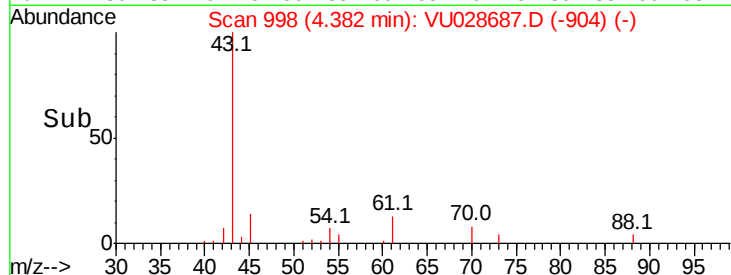
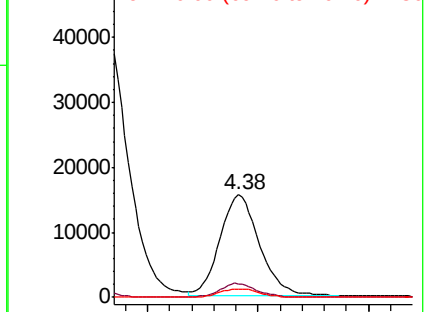
70 8.4 7.4 11.0



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) (-)



#38

Carbon Tetrachloride

Concen: 20.522 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

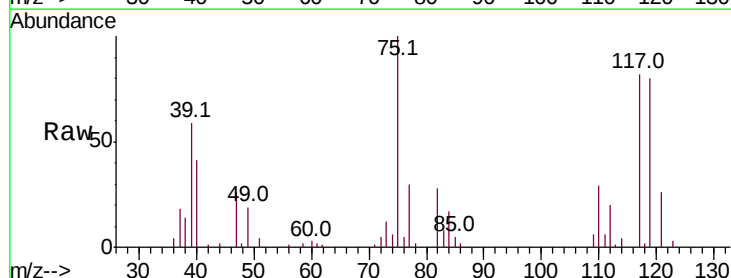
Tgt Ion: 117 Resp: 22340

Ion Ratio Lower Upper

117 100

119 97.8 77.6 116.4

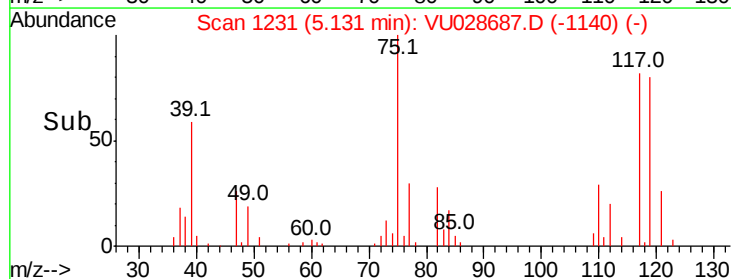
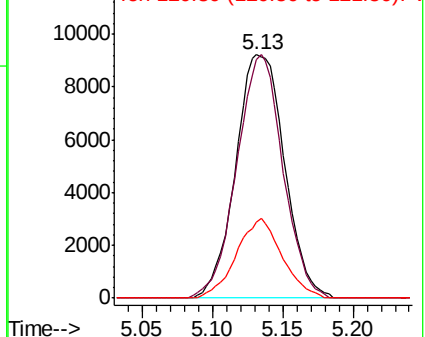
121 31.3 24.6 36.8

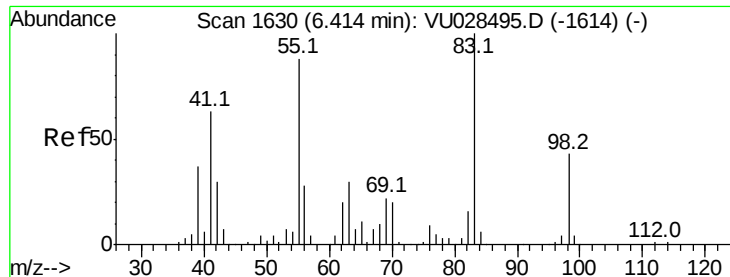


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

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

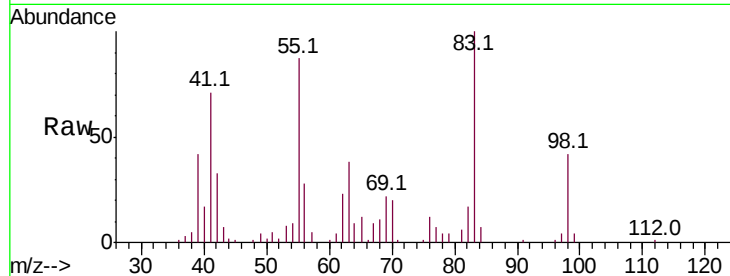




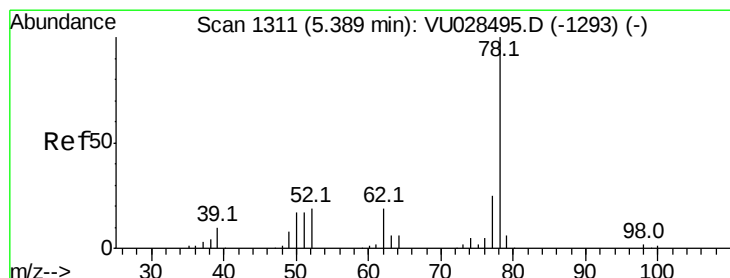
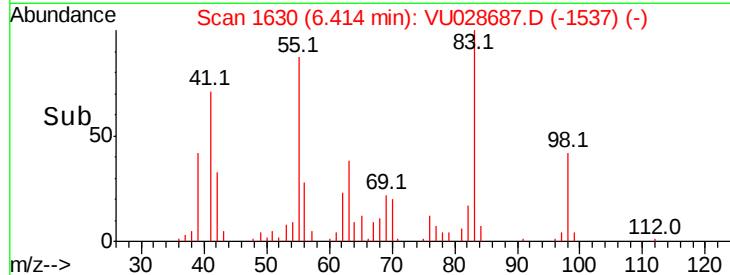
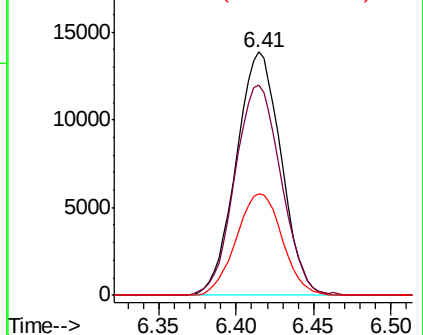
#39
Methvlcvclohexane
Concen: 16.960 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 27944
Ion Ratio Lower Upper
83 100
55 86.6 70.2 105.2
98 41.6 34.2 51.4

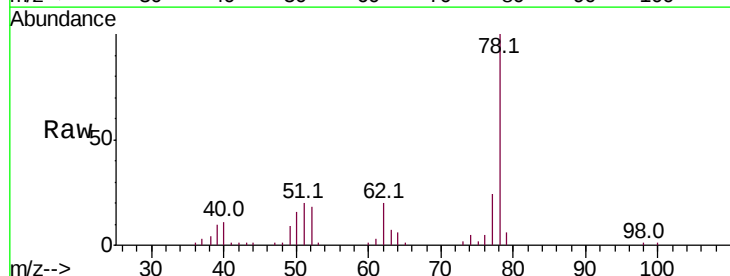


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

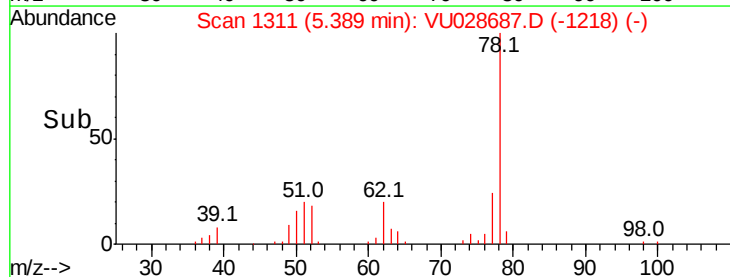
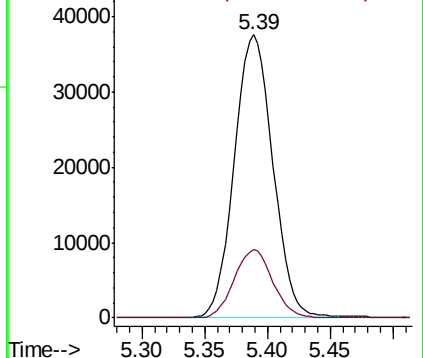


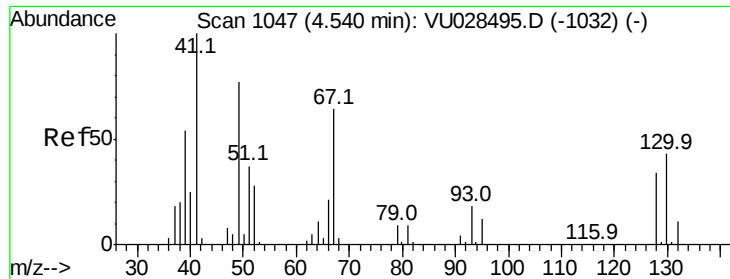
#40
Benzene
Concen: 20.232 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 78 Resp: 80476
Ion Ratio Lower Upper
78 100
77 24.1 19.9 29.9



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

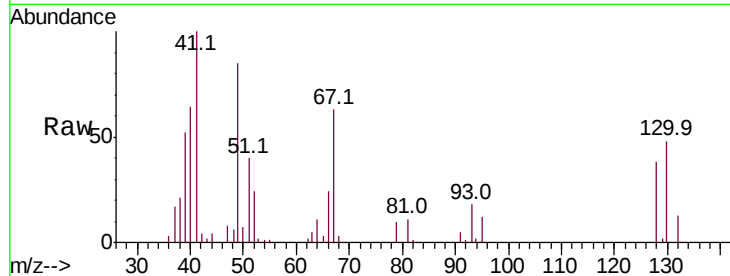




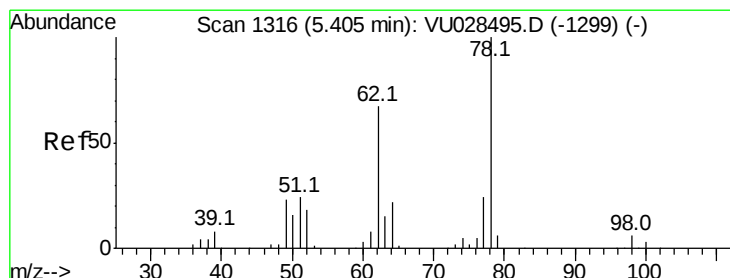
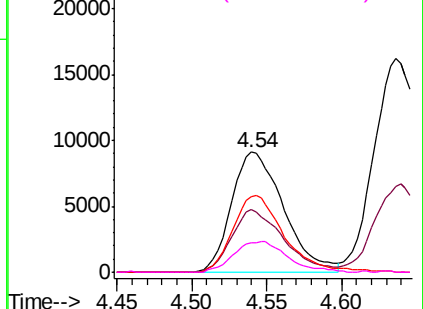
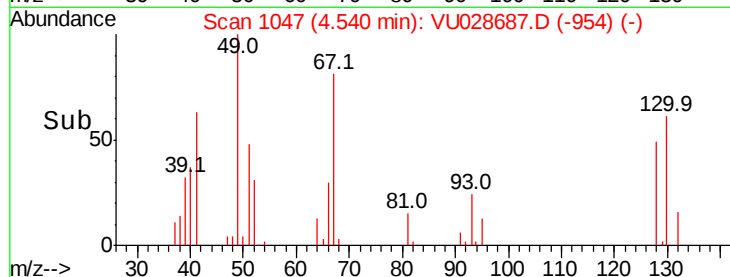
#41
Methacrylonitrile
Concen: 23.123 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	22109
Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.3	64.9
67	62.8	53.6	80.4
52	26.2	22.1	33.1

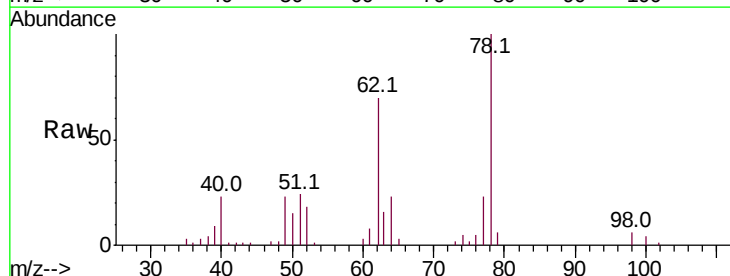


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

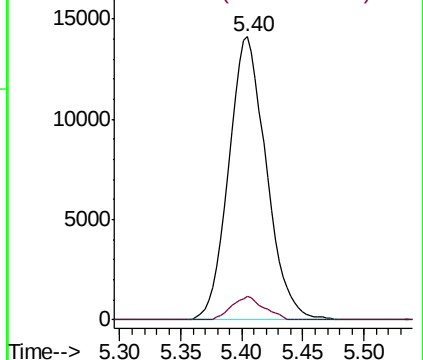
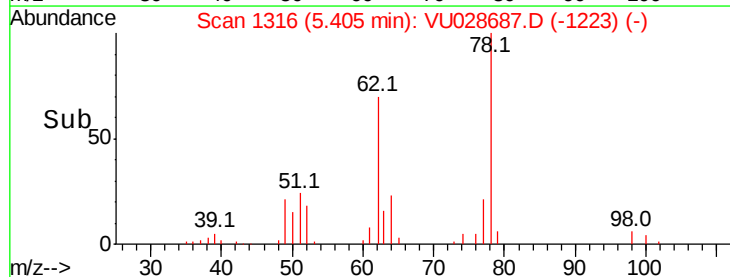


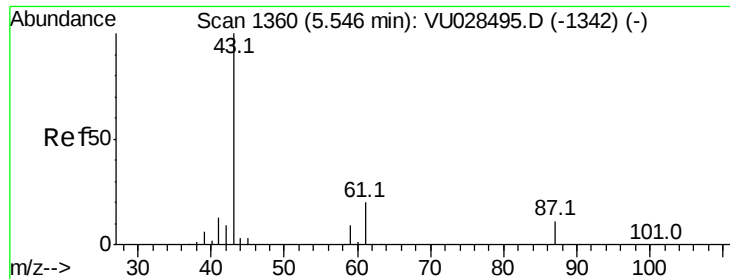
#42
1,2-Dichloroethane
Concen: 21.728 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion:	62	Resp:	30253
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.2



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



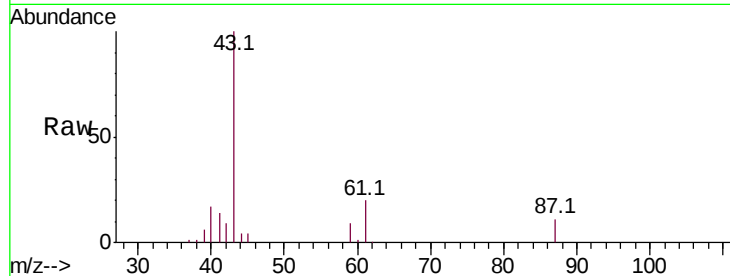


#43

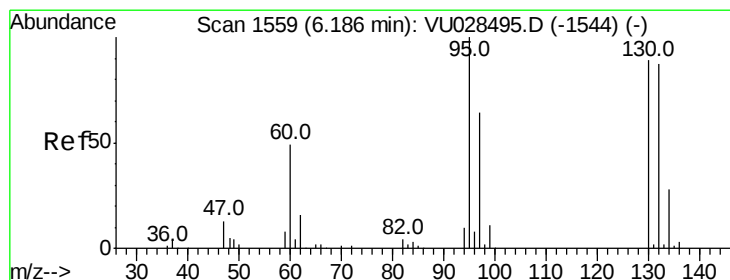
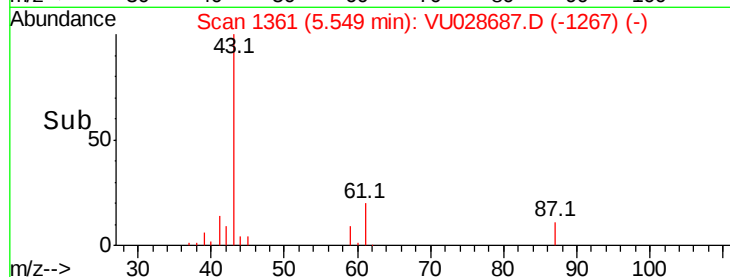
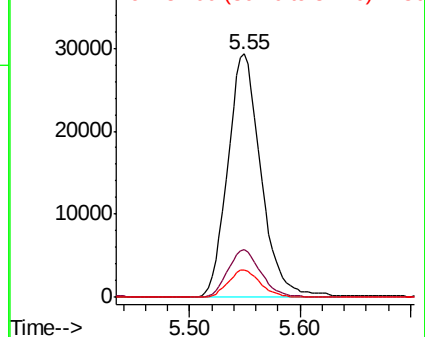
Isopropyl Acetate
 Concen: 22.229 ug/l
 RT: 5.55 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	43	61	87
Resp	61384		
Ratio	100	19.3	10.7
Lower		15.5	8.7
Upper		23.3	13.1



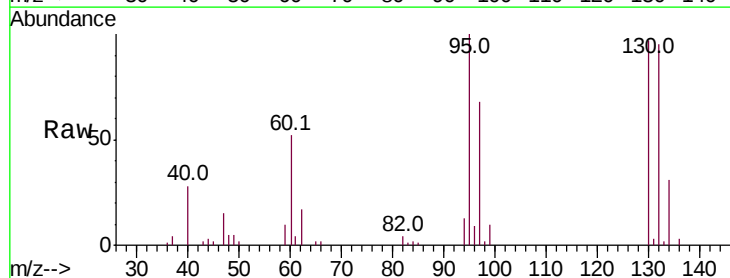
Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)



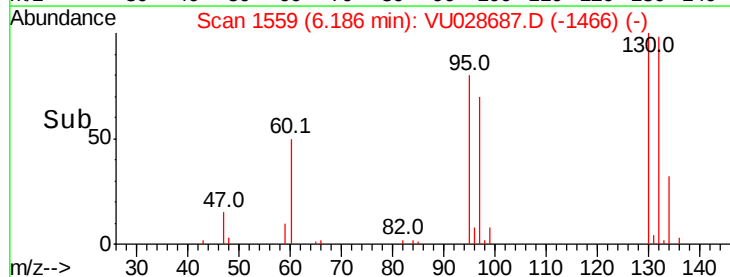
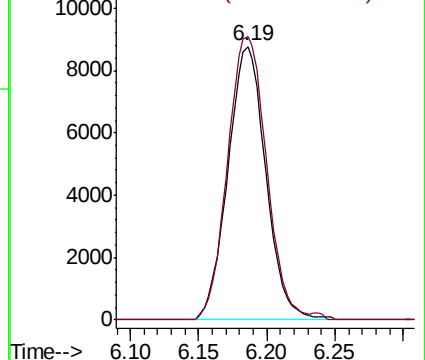
#44

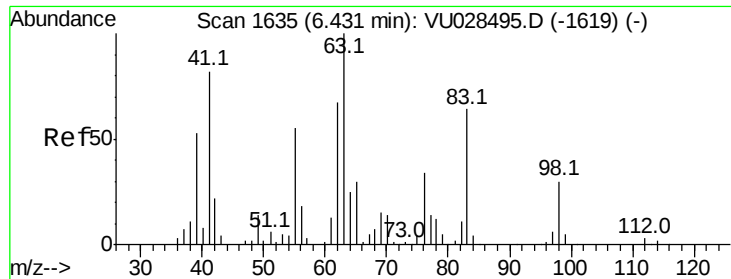
Trichloroethene
 Concen: 19.168 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	130	95
Resp	16953	
Ratio	100	103.5
Lower		0.0
Upper		224.0



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





#45

1,2-Dichloropropane

Concen: 22.141 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

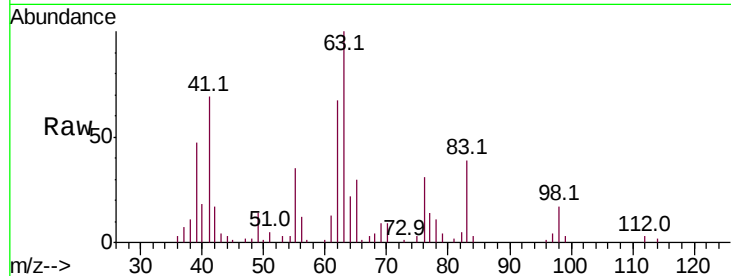
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 24766

Ion Ratio Lower Upper

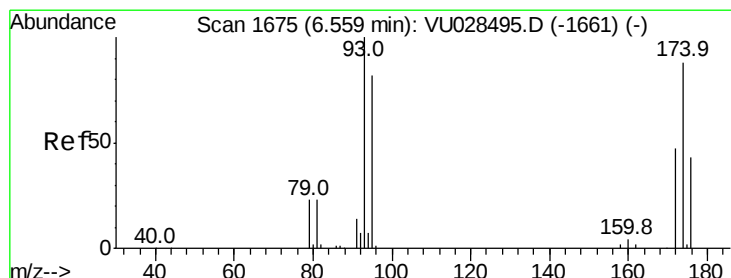
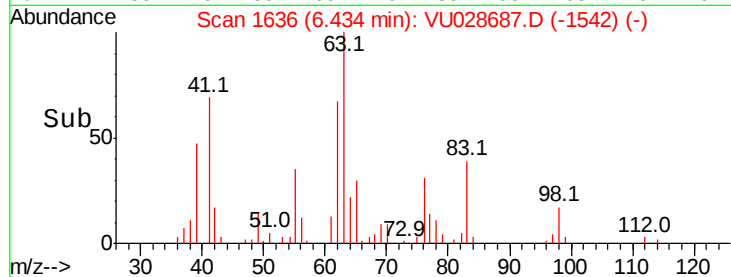
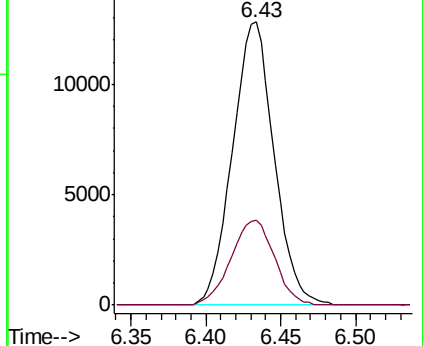
63 100

65 29.9 24.2 36.4



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

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



#46

Dibromomethane

Concen: 22.117 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

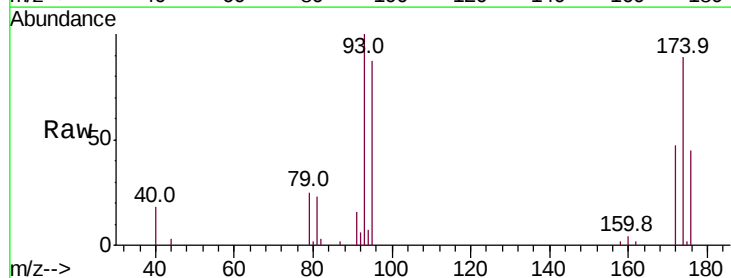
Tgt Ion: 93 Resp: 14679

Ion Ratio Lower Upper

93 100

95 80.9 65.4 98.2

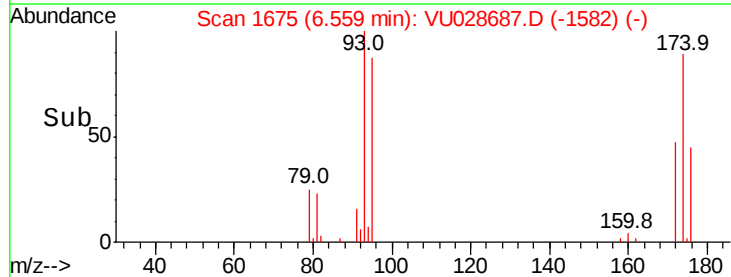
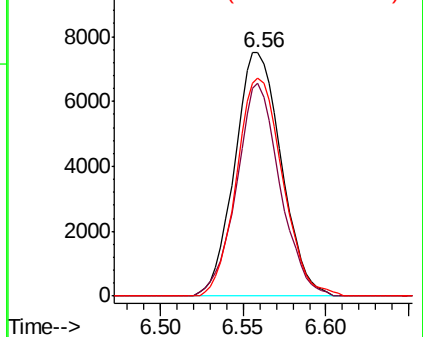
174 88.3 72.2 108.4

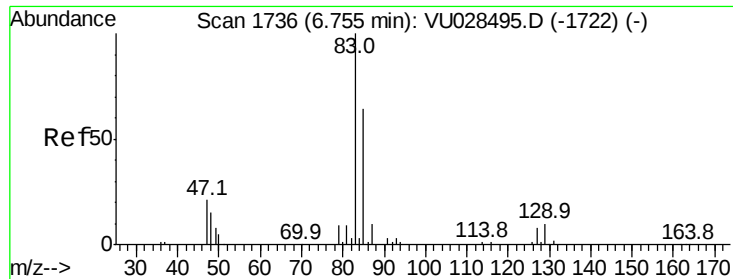


Abundance Ion 92.80 (92.50 to 93.50): VU028495.D (-1661) (-)

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

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





#47

Bromodichloromethane

Concen: 21.721 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

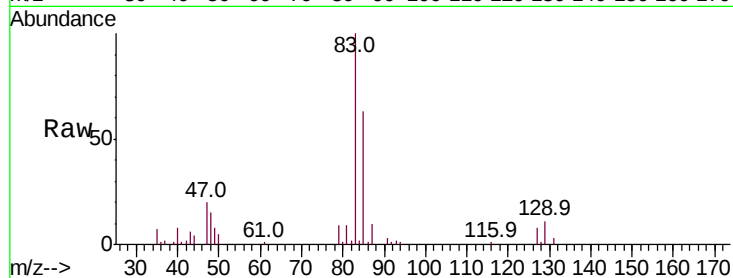
Tot Ion: 83 Resp: 28053

Ion Ratio Lower Upper

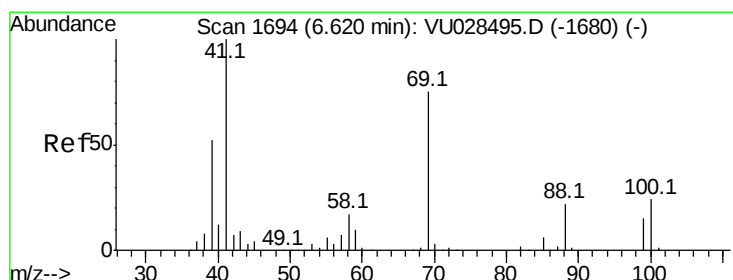
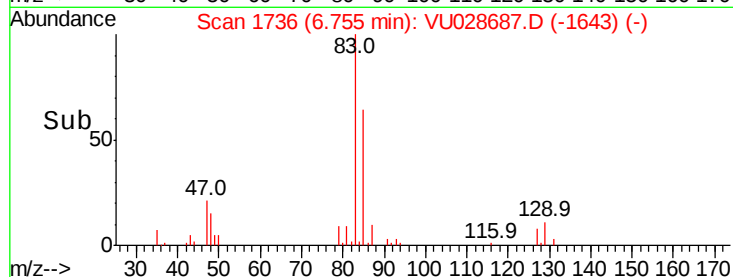
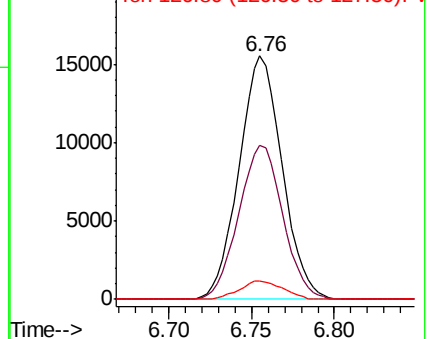
83 100

85 63.5 51.5 77.3

127 7.7 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: 22.455 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

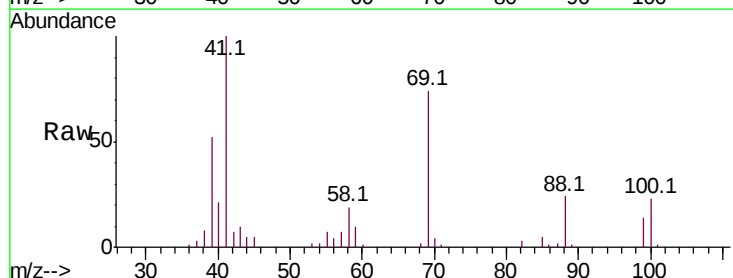
Tgt Ion: 41 Resp: 30837

Ion Ratio Lower Upper

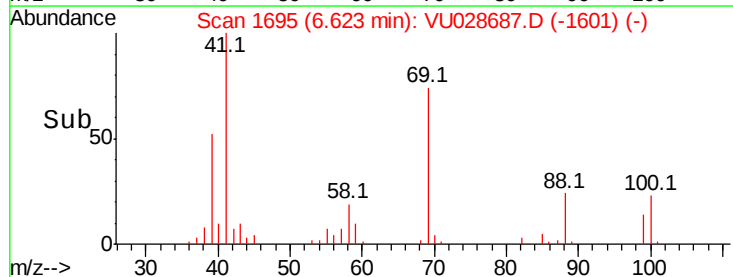
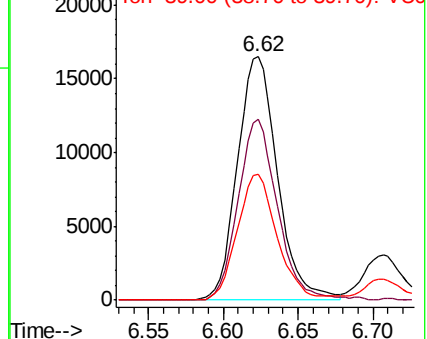
41 100

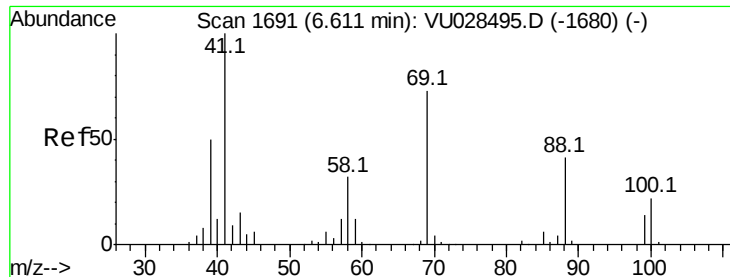
69 72.3 60.4 90.6

39 51.5 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: 450.058 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampled :

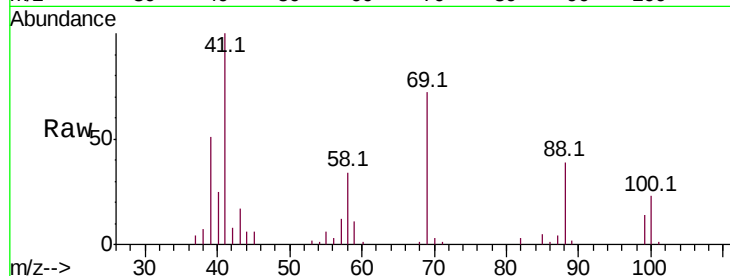
Tot Ion: 88 Resp: 9759

Ion Ratio Lower Upper

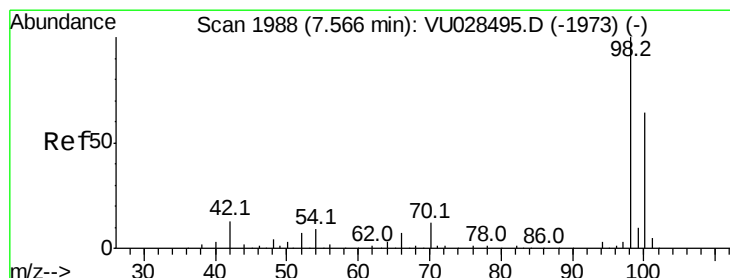
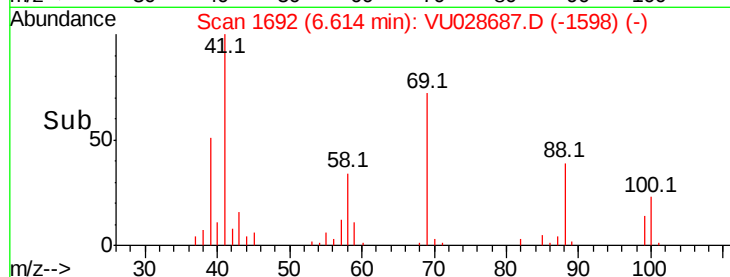
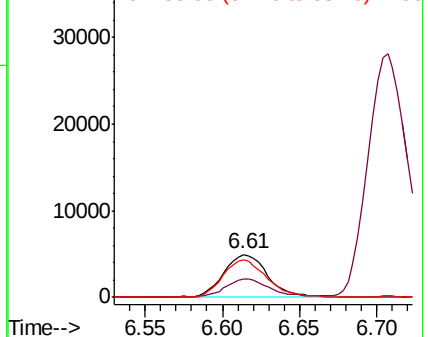
88 100

43 45.1 30.9 46.3

58 87.2 62.4 93.6



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 52.929 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028687.D

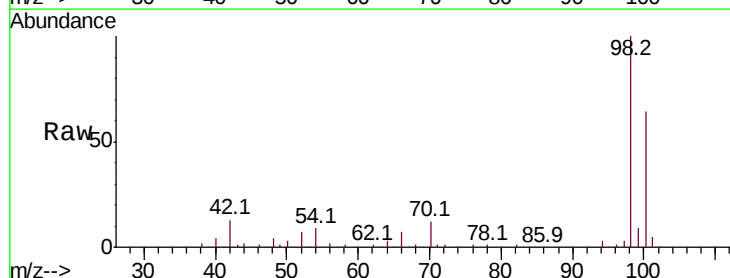
Acq: 14 Dec 2018 16:51

Tgt Ion: 98 Resp: 162624

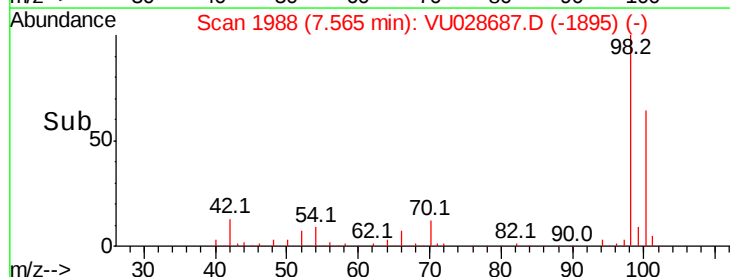
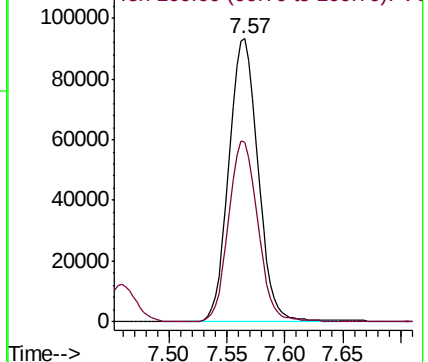
Ion Ratio Lower Upper

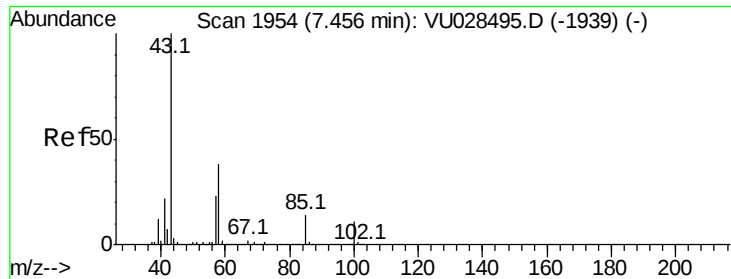
98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

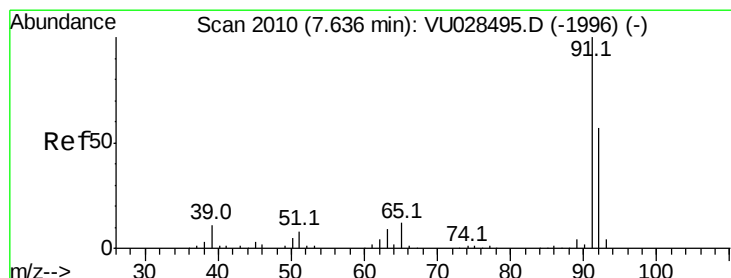
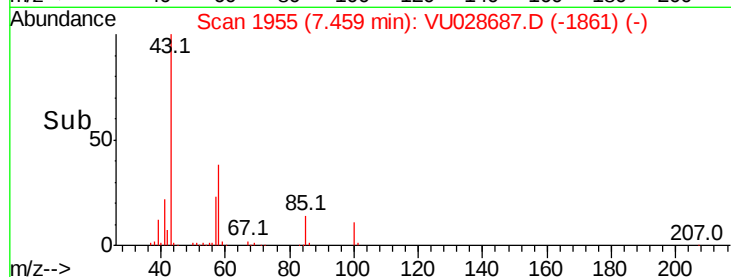
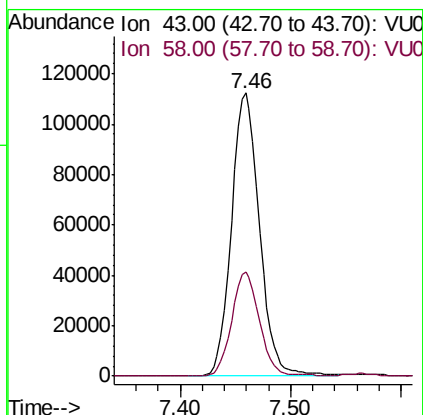
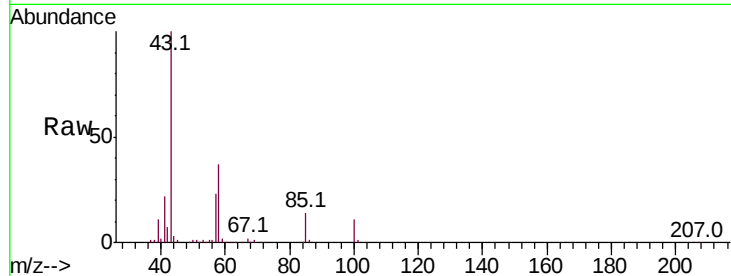




#51
4-Methyl-2-Pentanone
Concen: 113.718 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

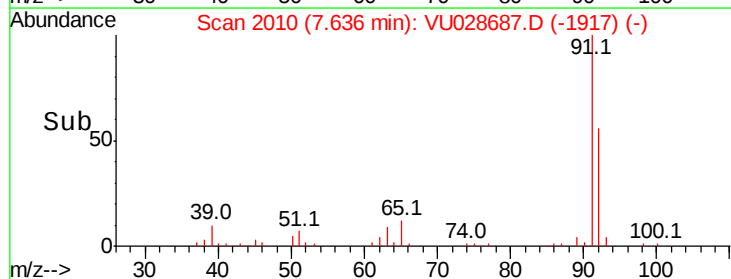
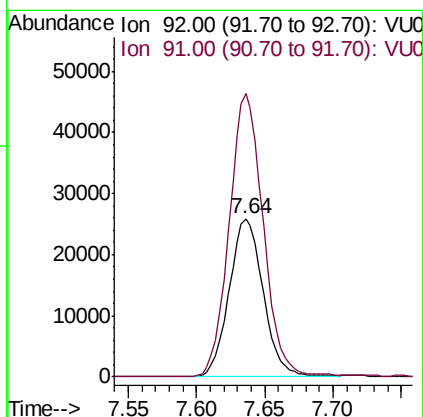
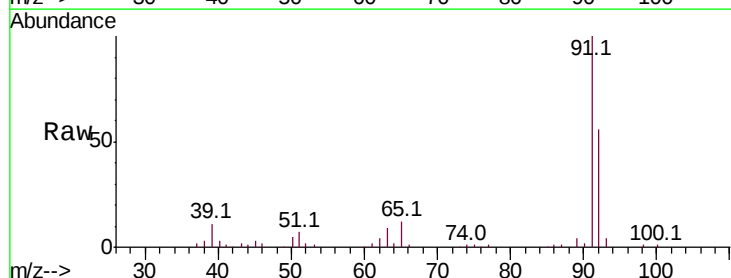
Instrument :
MSVOA_U
ClientSampleId :

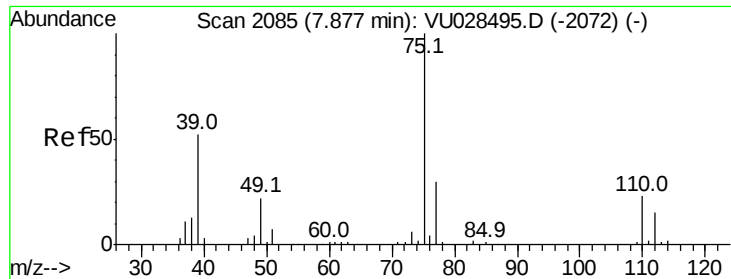
Tot Ion: 43 Resp: 198063
Ion Ratio Lower Upper
43 100
58 36.5 30.2 45.2



#52
Toluene
Concen: 19.246 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 92 Resp: 45055
Ion Ratio Lower Upper
92 100
91 179.3 140.2 210.4

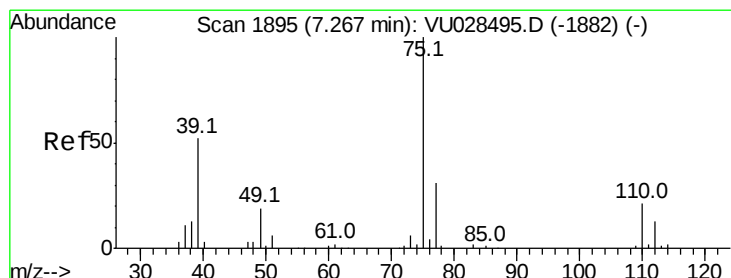
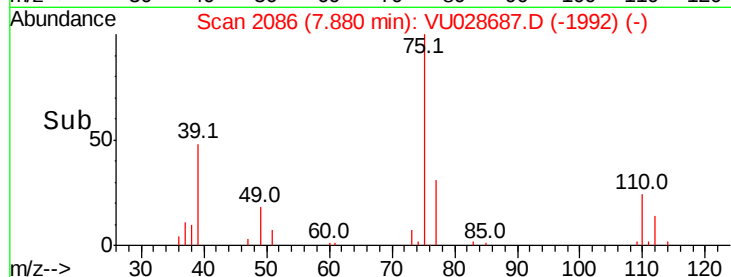
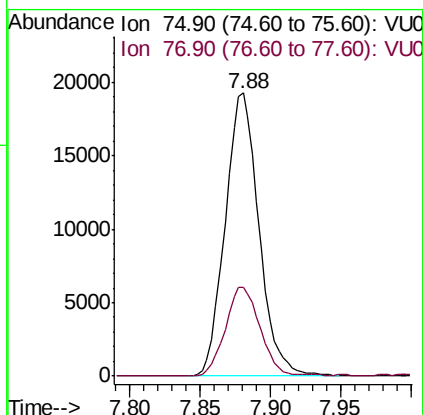
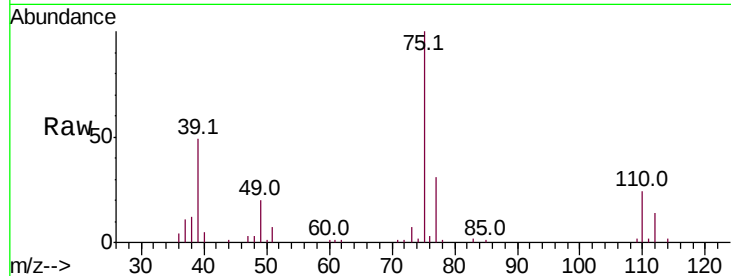




#53
t-1,3-Dichloropropene
Concen: 20.938 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

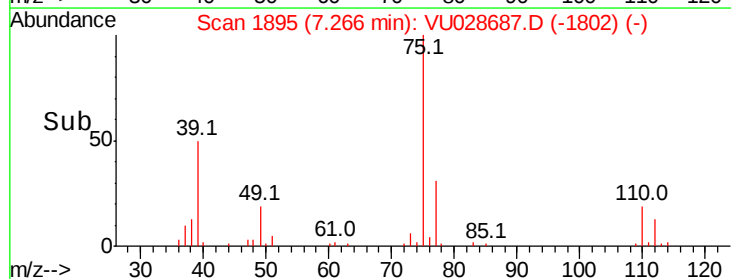
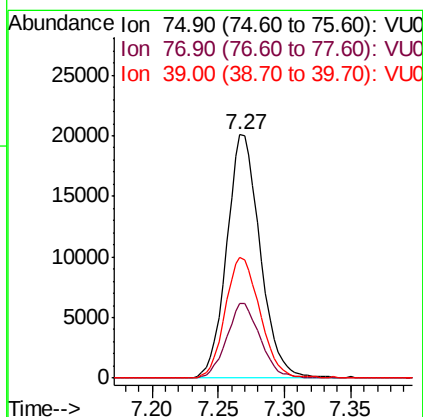
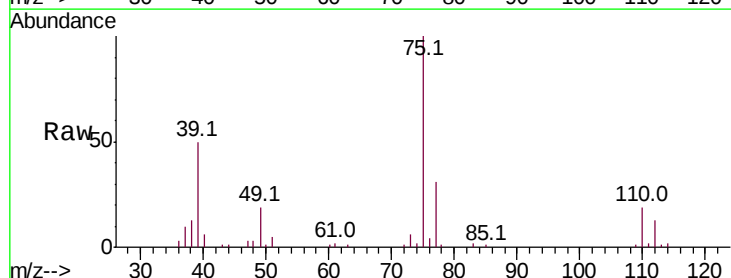
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 32205
Ion Ratio Lower Upper
75 100
77 31.3 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 21.070 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 75 Resp: 35161
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4
39 49.5 41.3 61.9

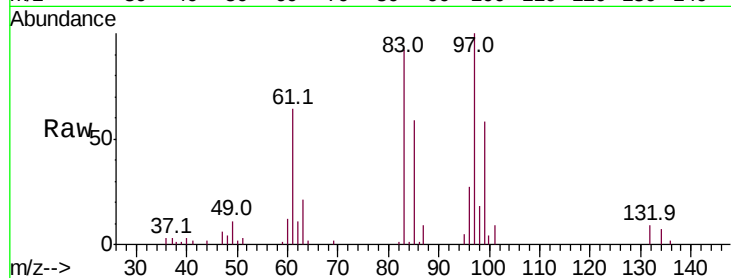




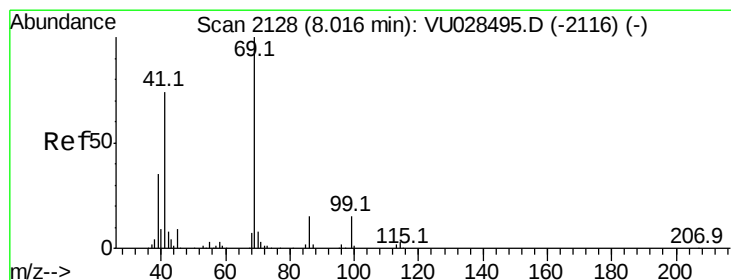
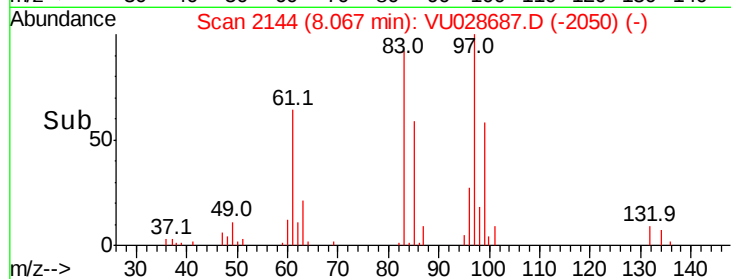
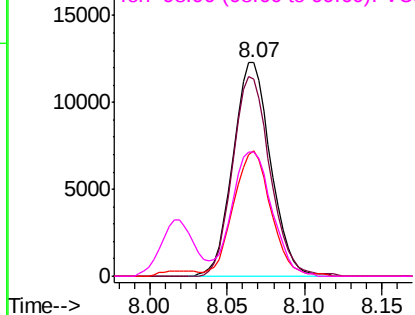
#55
 1,1,2-Trichloroethane
 Concen: 22.517 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	20837
Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.4	108.6
85	58.7	46.0	69.0
99	58.3	47.4	71.2

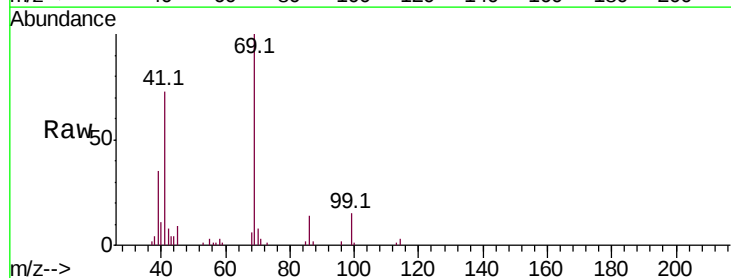


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

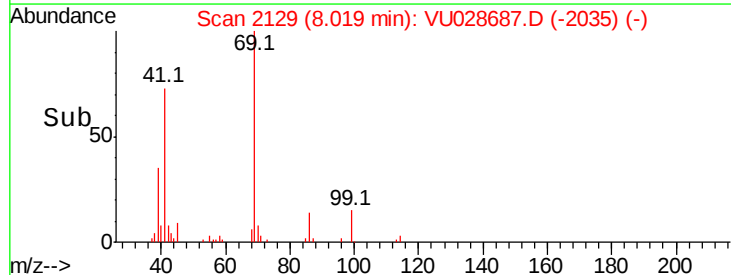
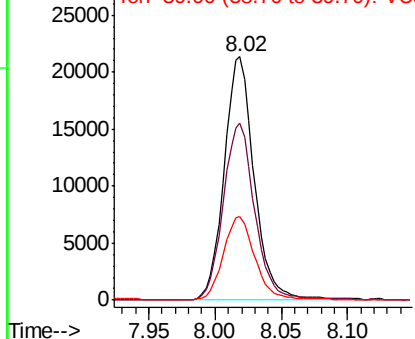


#56
 Ethyl methacrylate
 Concen: 21.200 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion:	69	Resp:	33595
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.1	88.7
39	35.9	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 20.912 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

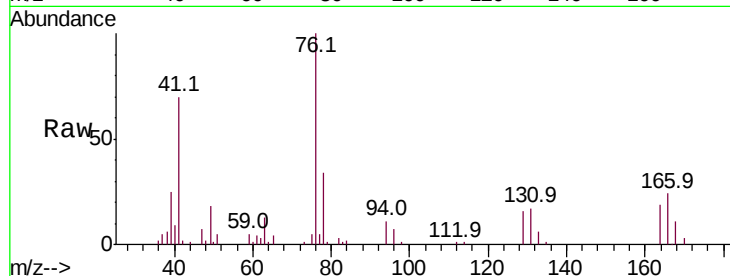
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 35922

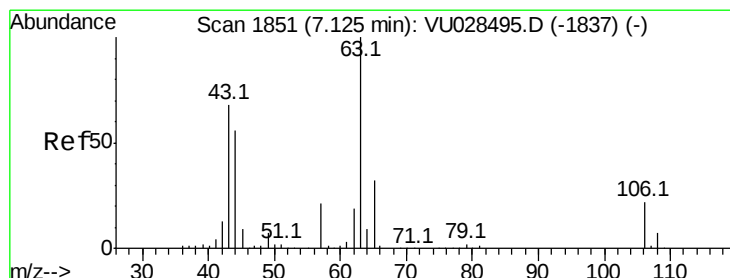
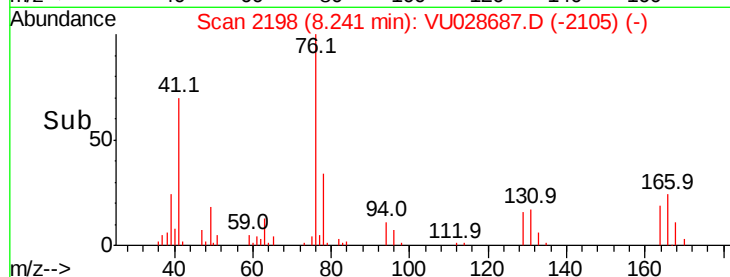
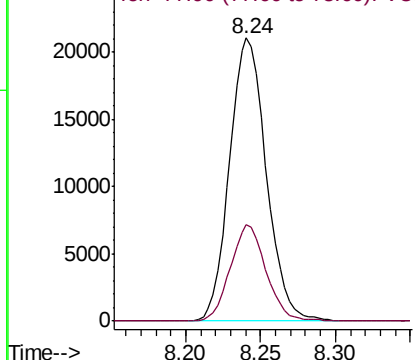
Ion Ratio Lower Upper

76 100

78 33.1 25.2 37.8



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



#58

2-Chloroethyl Vinyl ether

Concen: 109.222 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028687.D

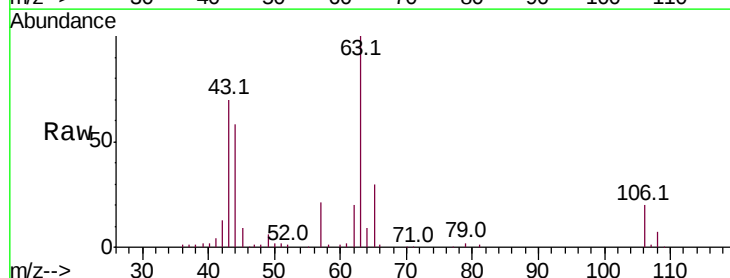
Acq: 14 Dec 2018 16:51

Tgt Ion: 63 Resp: 88652

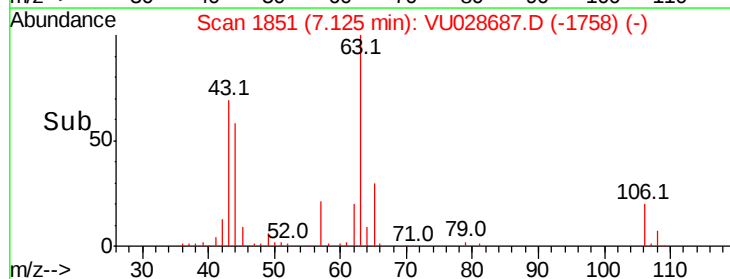
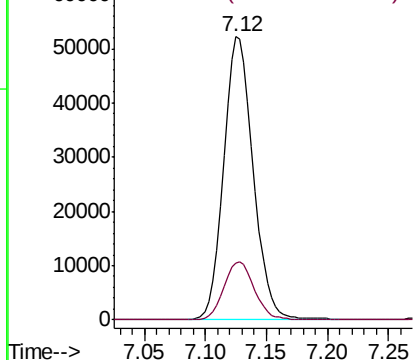
Ion Ratio Lower Upper

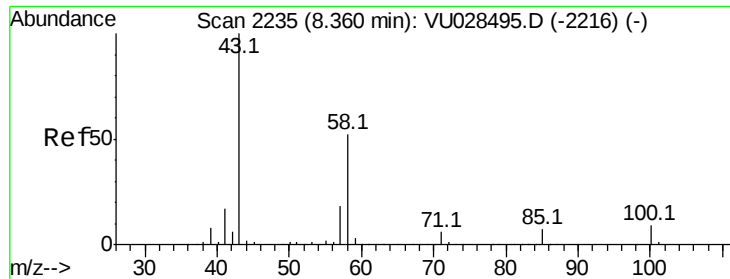
63 100

106 21.4 17.8 26.6



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

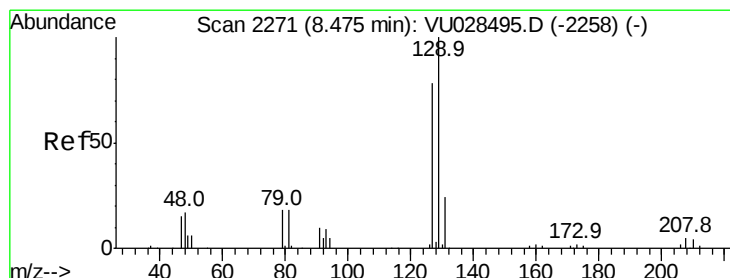
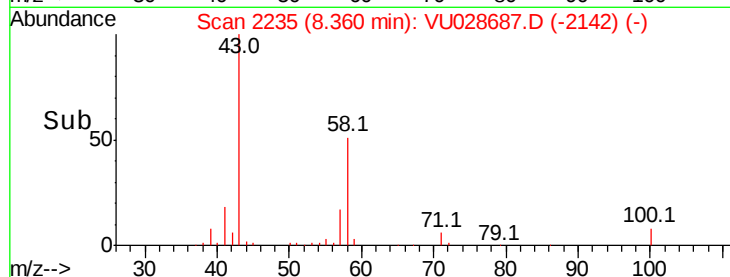
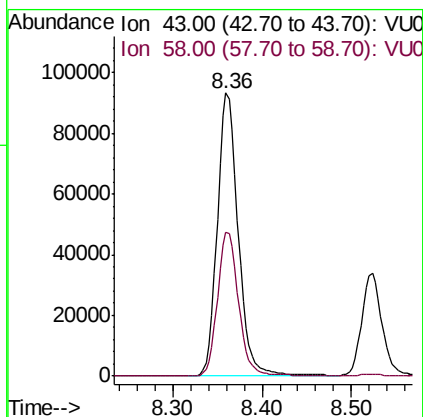
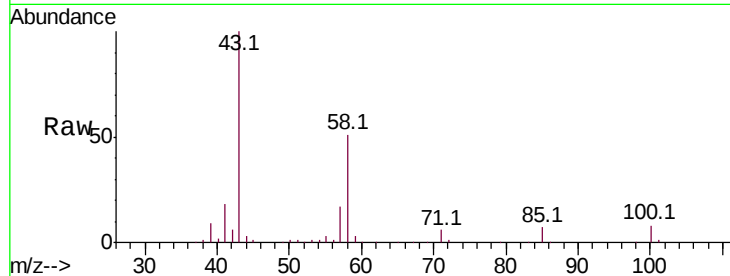




#59
2-Hexanone
Concen: 110.038 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

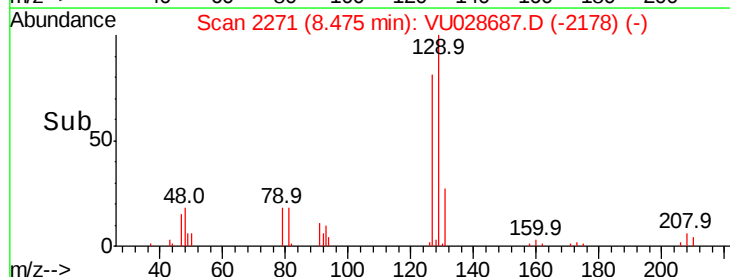
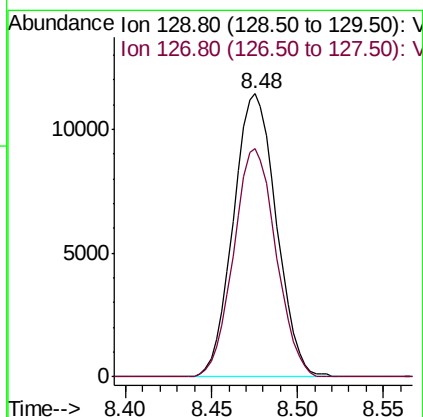
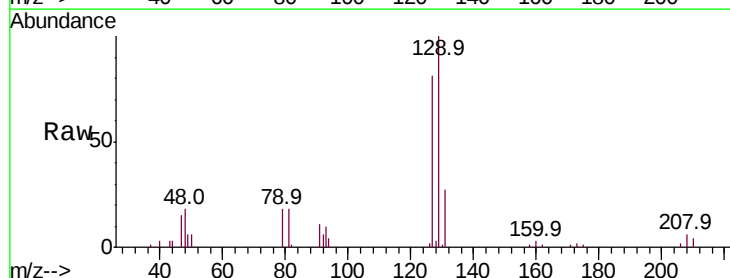
Instrument :
MSVOA_U
ClientSampled :

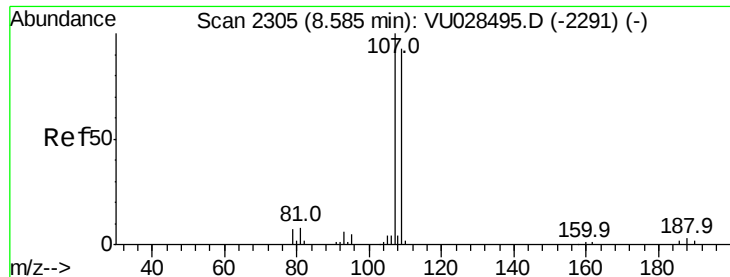
Tot Ion: 43 Resp: 151906
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.6



#60
Dibromochloromethane
Concen: 21.872 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 129 Resp: 19816
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.983 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

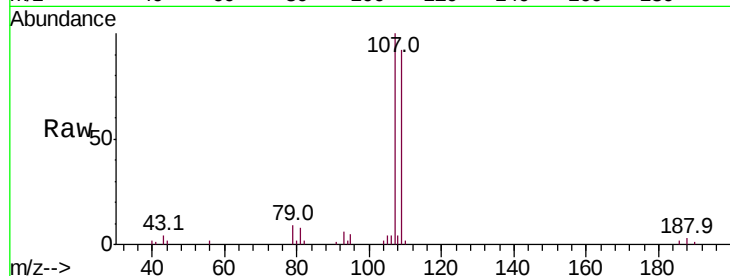
ClientSampled :

Tot Ion:107 Resp: 21332

Ion Ratio Lower Upper

107 100

109 92.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

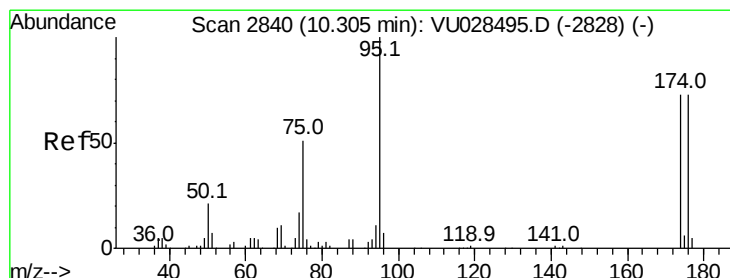
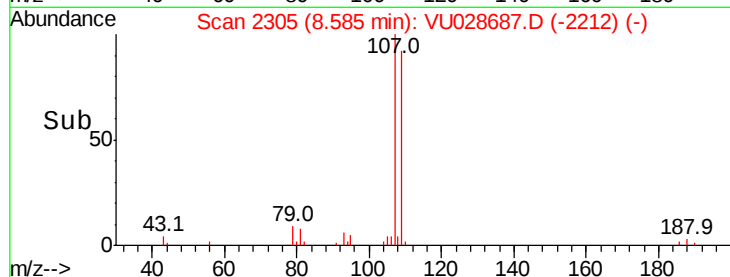
8.58

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 51.547 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

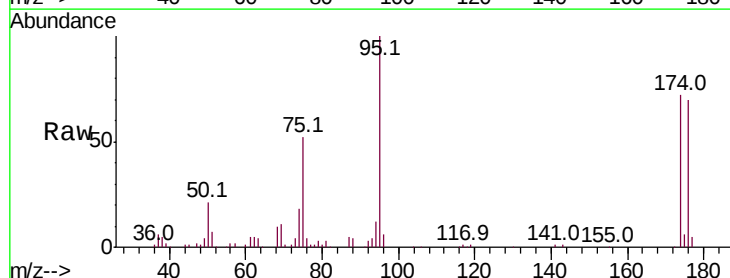
Tgt Ion: 95 Resp: 59195

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

176 72.2 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

50000

40000

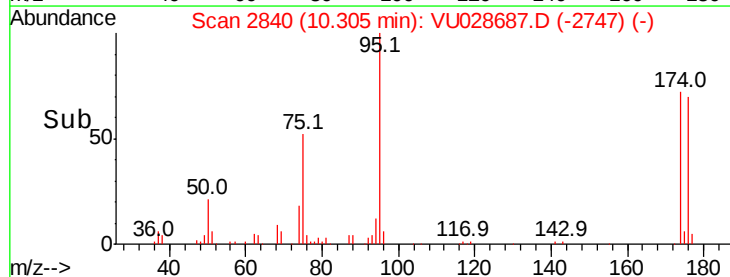
30000

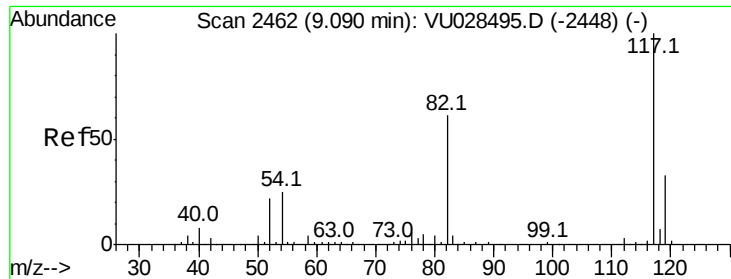
20000

10000

0

Time--> 10.25 10.30 10.35 10.40

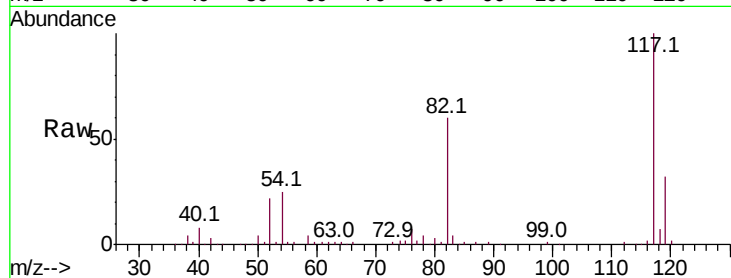




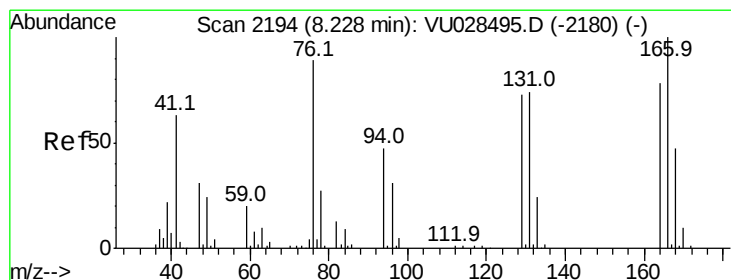
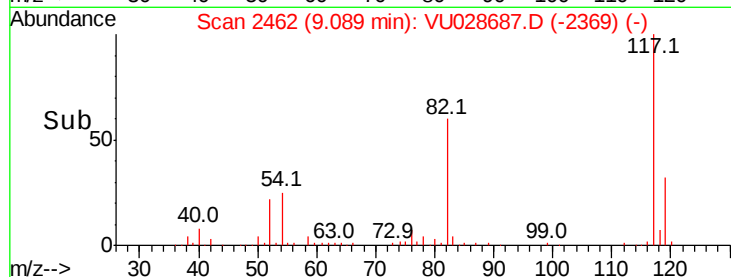
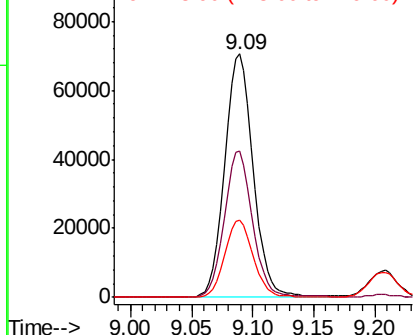
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 116378
Ion Ratio Lower Upper
117 100
82 59.9 48.9 73.3
119 31.8 26.2 39.4

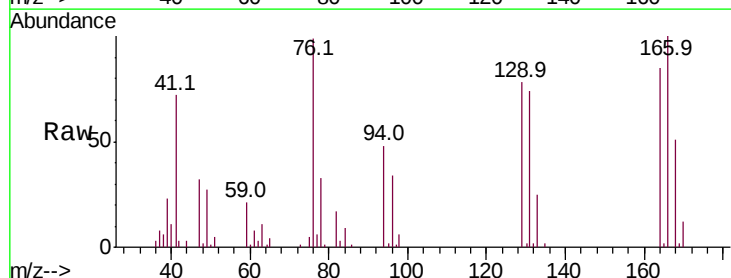


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

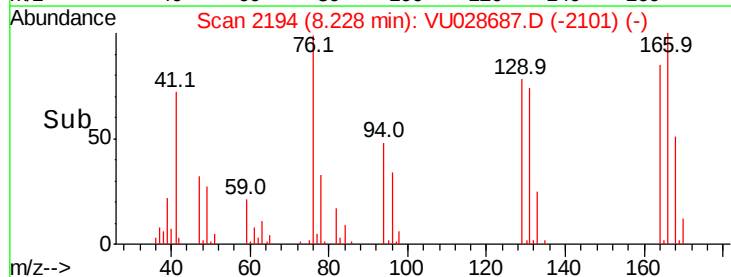
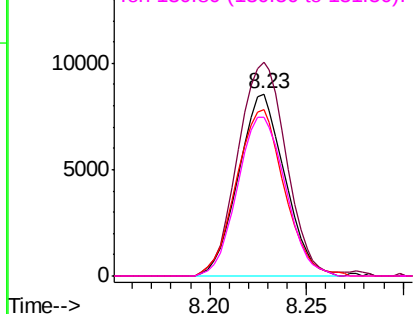


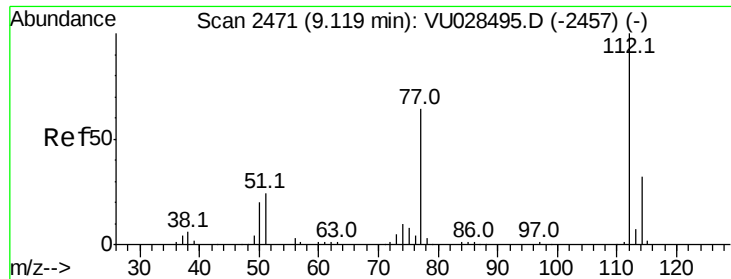
#64
Tetrachloroethene
Concen: 18.369 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion:164 Resp: 14259
Ion Ratio Lower Upper
164 100
166 117.5 101.9 152.9
129 91.9 74.9 112.3
131 87.3 75.4 113.0



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





#65

Chlorobenzene

Concen: 19.194 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

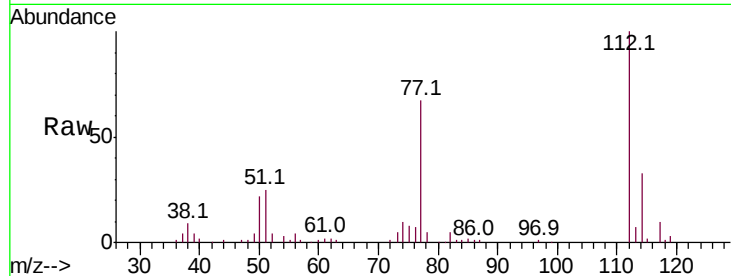
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 47600

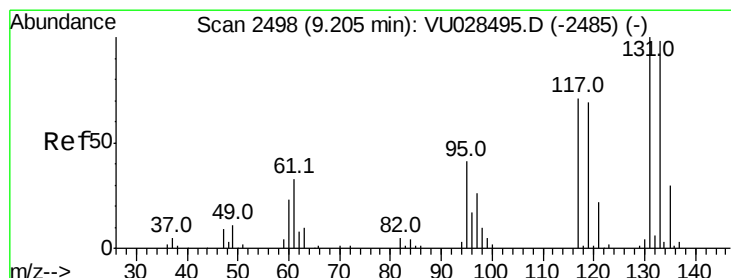
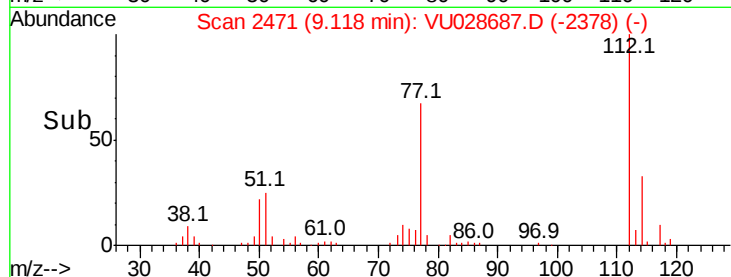
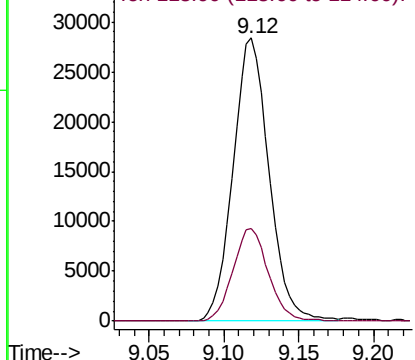
Ion Ratio Lower Upper

112 100

114 32.6 25.3 37.9



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



#66

1,1,1,2-Tetrachloroethane

Concen: 21.810 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

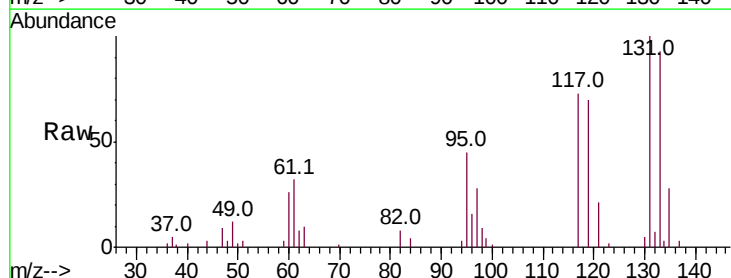
Tgt Ion:131 Resp: 17272

Ion Ratio Lower Upper

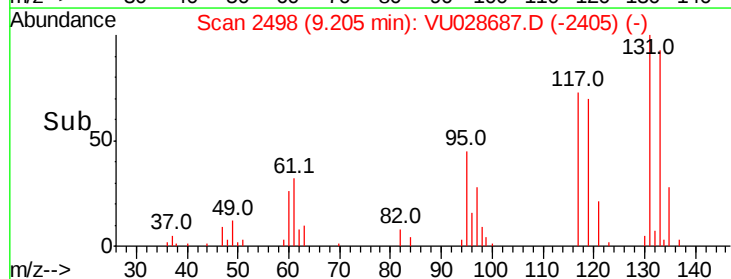
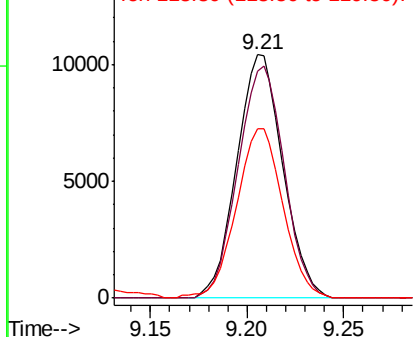
131 100

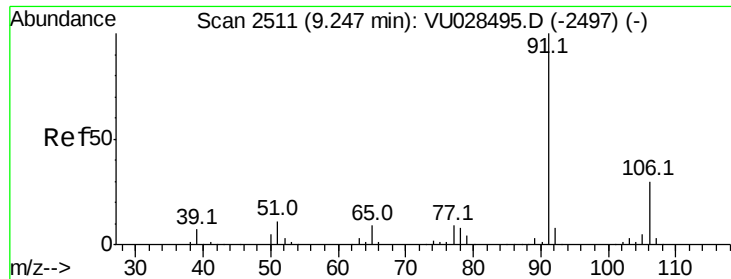
133 95.4 48.0 144.0

119 70.3 34.6 103.9



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

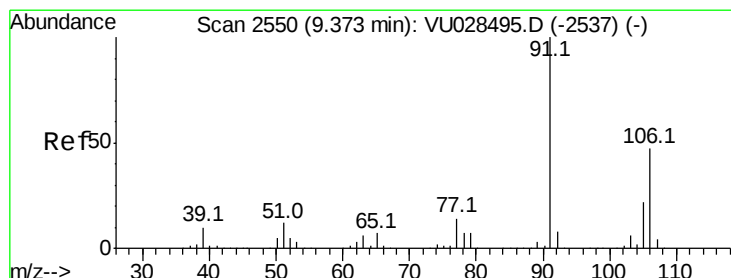
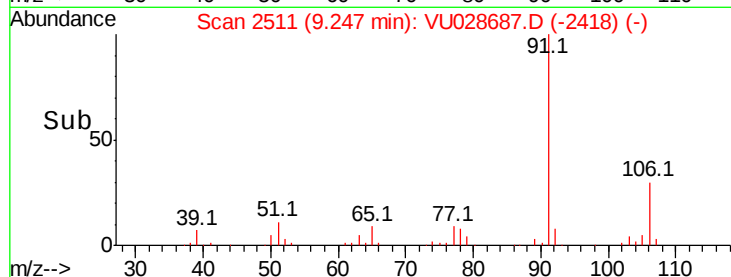
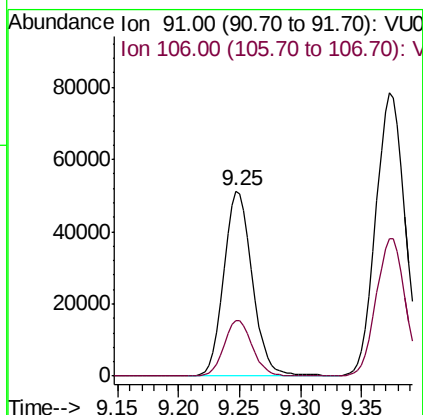
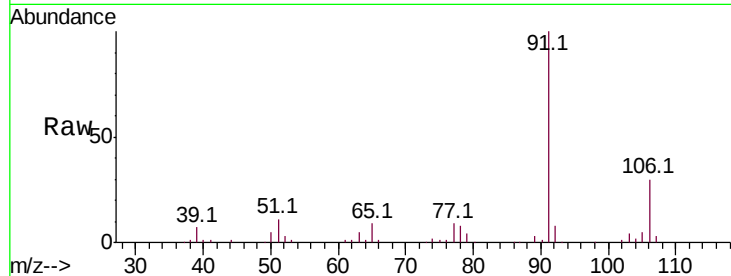




#67
Ethyl Benzene
Concen: 18.534 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

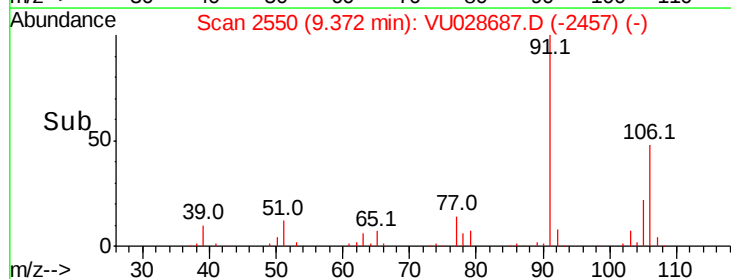
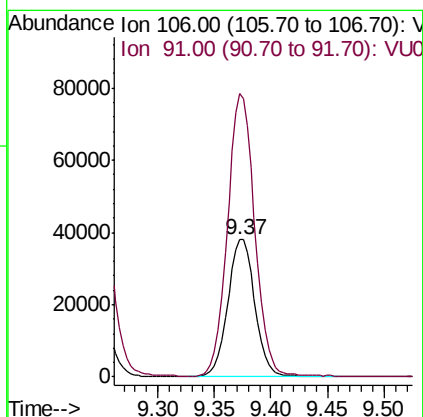
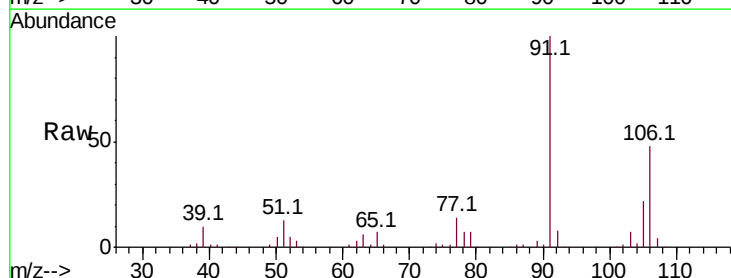
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 84495
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1



#68
m/p-Xylenes
Concen: 38.394 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 106 Resp: 63689
Ion Ratio Lower Upper
106 100
91 207.5 167.4 251.0

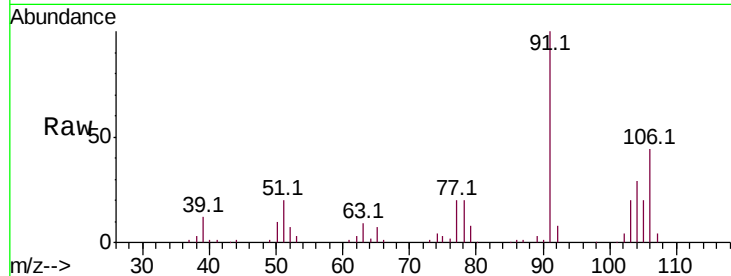




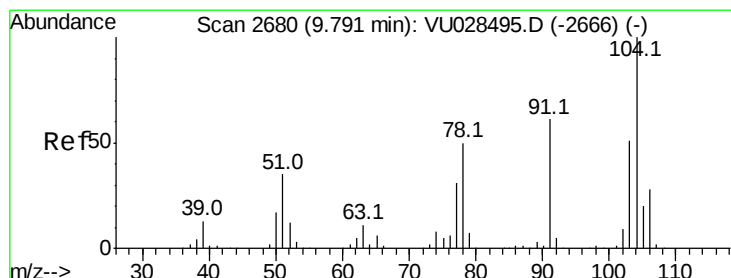
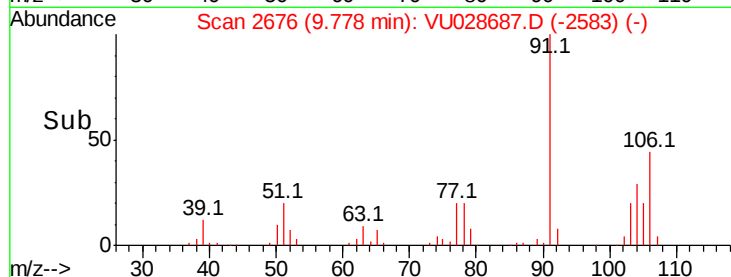
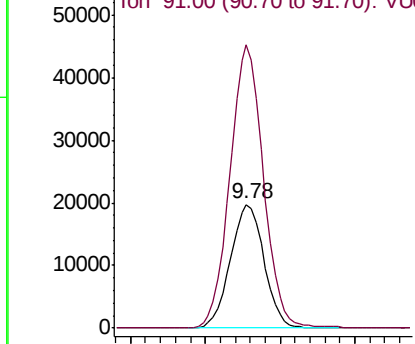
#69
o-Xylene
Concen: 19.195 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 30944
Ion Ratio Lower Upper
106 100
91 227.0 111.3 334.0

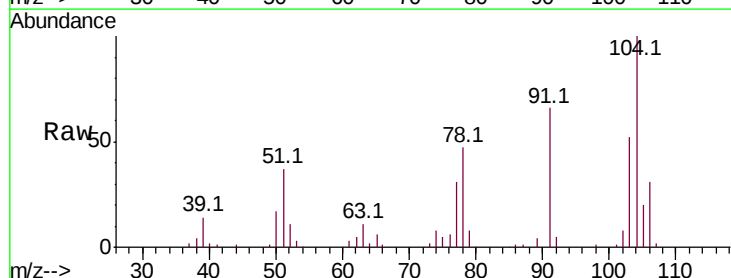


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

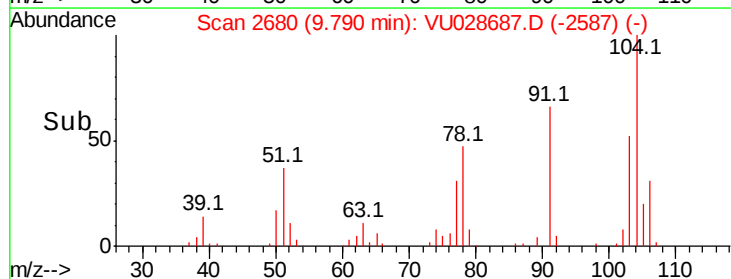
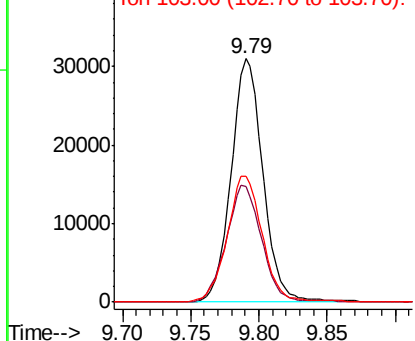


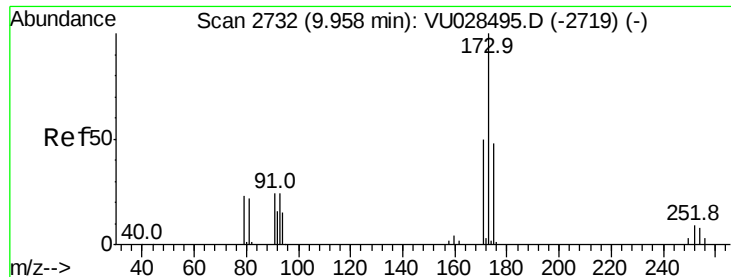
#70
Styrene
Concen: 18.790 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion:104 Resp: 50130
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.6
103 57.3 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.544 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :

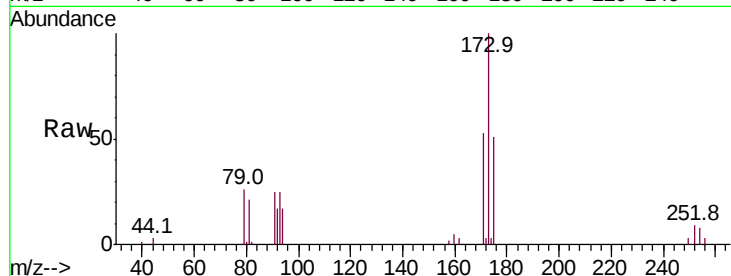
Tot Ion:173 Resp: 15187

Ion Ratio Lower Upper

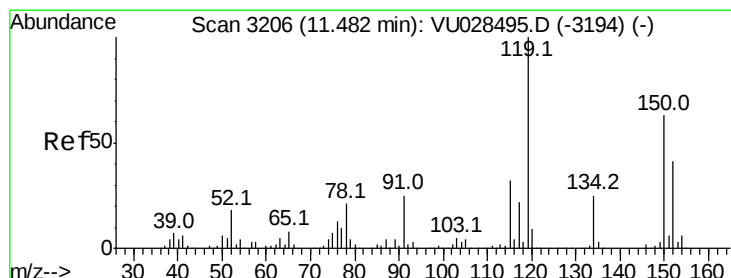
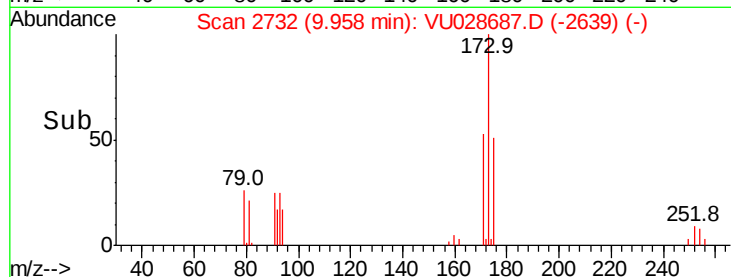
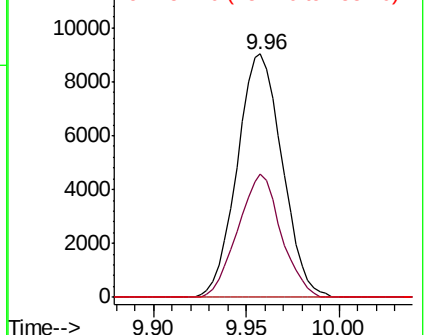
173 100

175 48.7 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: VU028687.D

Acq: 14 Dec 2018 16:51

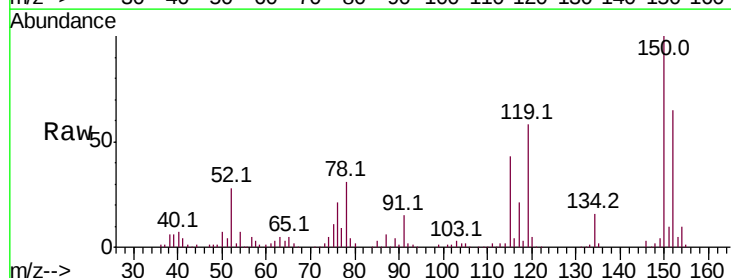
Tgt Ion:152 Resp: 53542

Ion Ratio Lower Upper

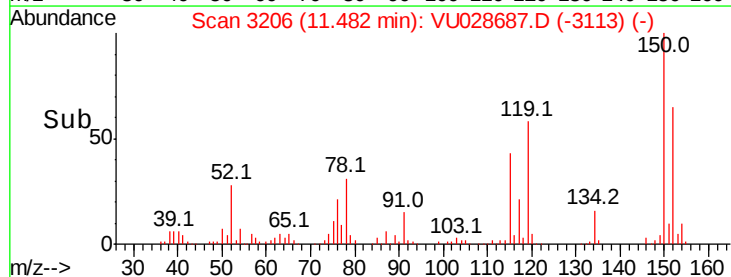
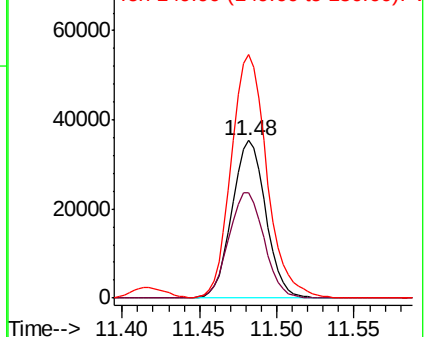
152 100

115 69.8 42.7 128.1

150 163.5 0.0 346.0



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





#73

Isopropylbenzene

Concen: 19.315 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

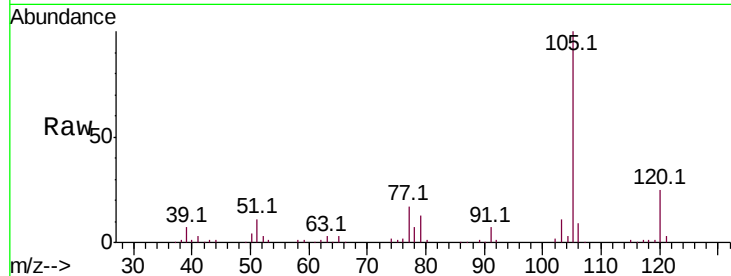
ClientSampled :

Tot Ion:105 Resp: 79357

Ion Ratio Lower Upper

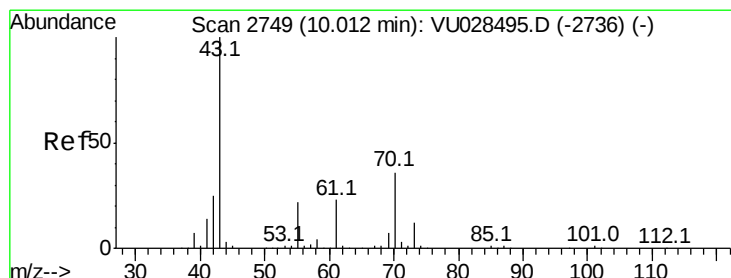
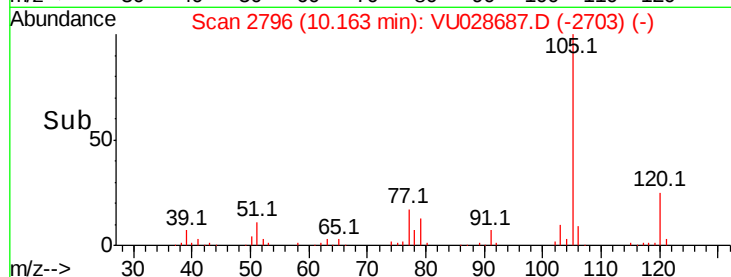
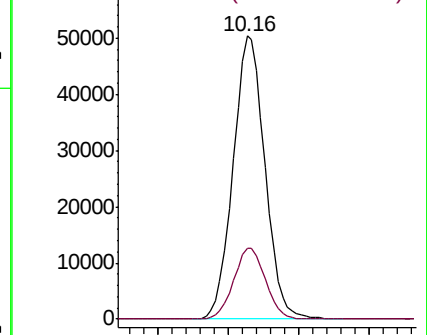
105 100

120 25.1 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.012 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion: 43 Resp: 52166

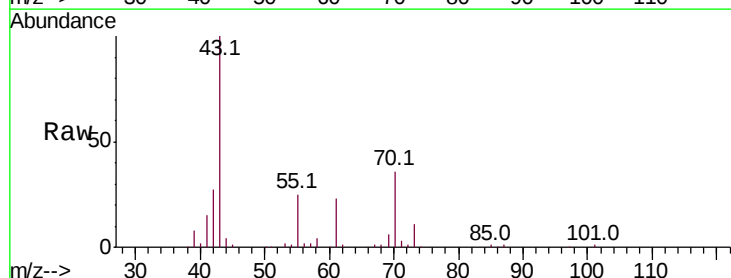
Ion Ratio Lower Upper

43 100

70 35.4 29.3 43.9

55 23.4 18.0 27.0

61 22.4 18.3 27.5

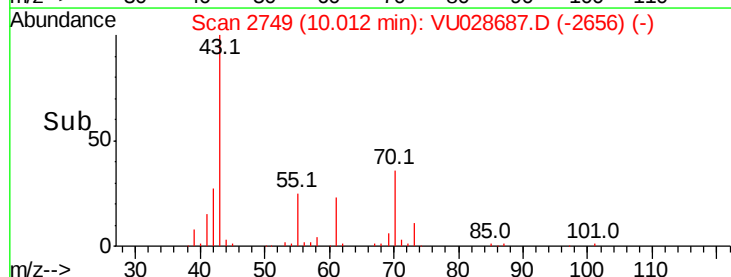
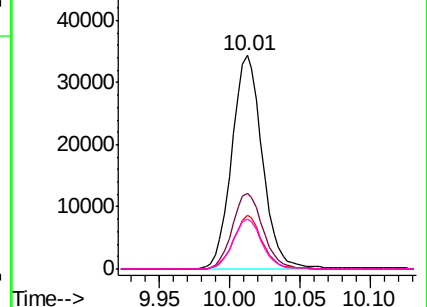


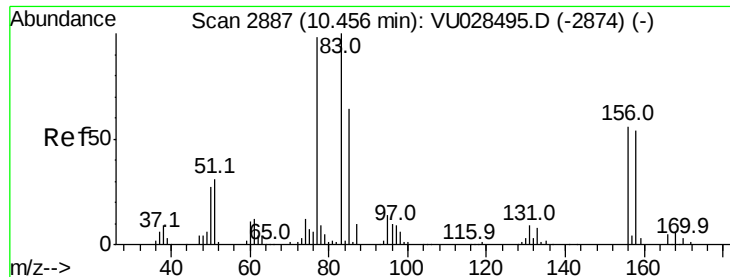
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.590 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampled :

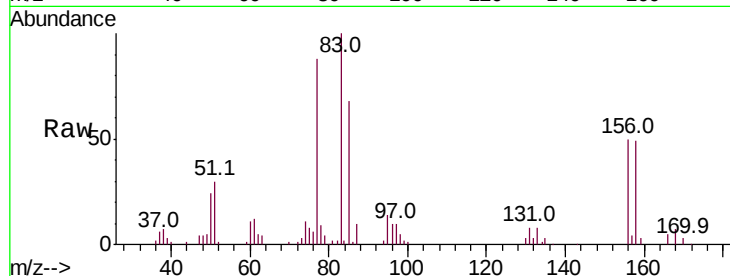
Tot Ion: 83 Resp: 37230

Ion Ratio Lower Upper

83 100

131 7.7 4.2 12.4

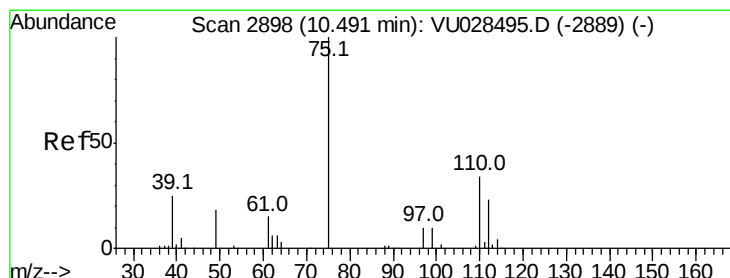
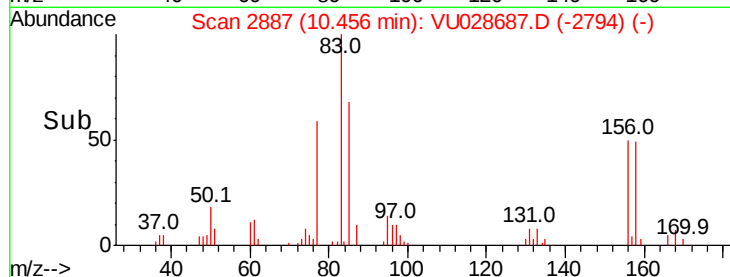
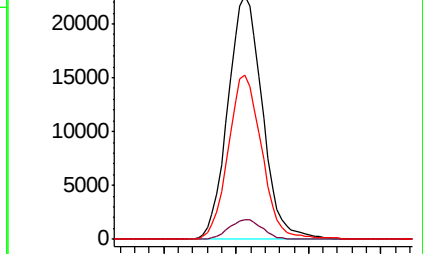
85 65.6 31.8 95.4



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: 32.471 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028687.D

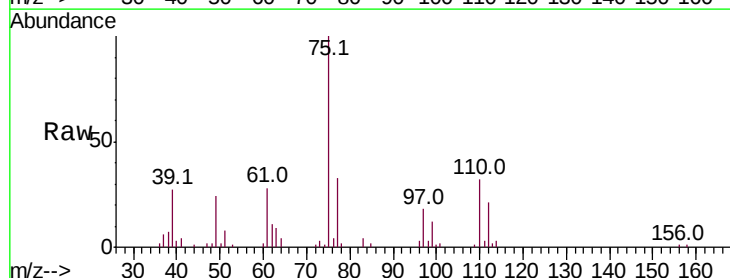
Acq: 14 Dec 2018 16:51

Tgt Ion: 75 Resp: 44395

Ion Ratio Lower Upper

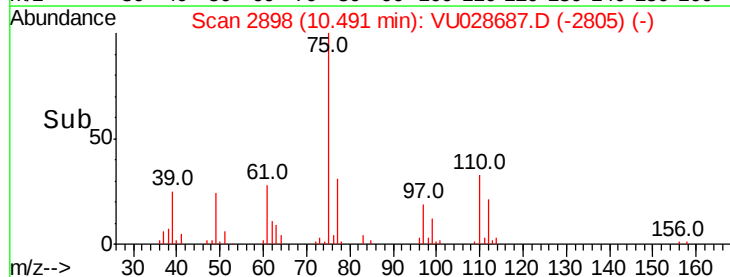
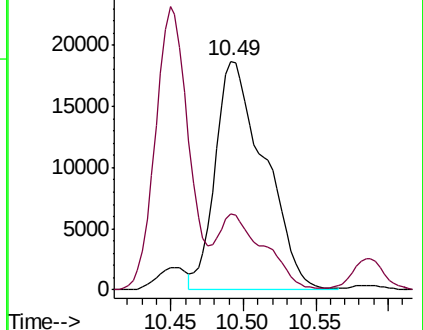
75 100

77 30.4 20.8 62.4



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

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





#77

Bromobenzene

Concen: 20.860 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

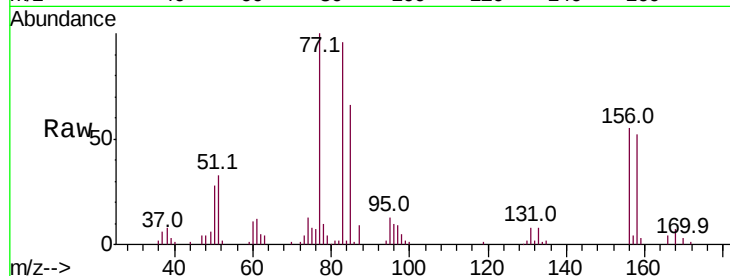
Tot Ion:156 Resp: 20044

Ion Ratio Lower Upper

156 100

77 182.9 92.4 277.2

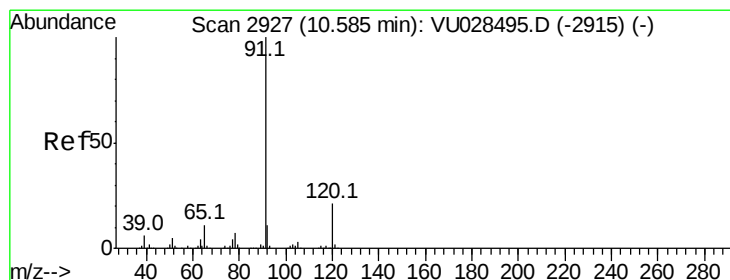
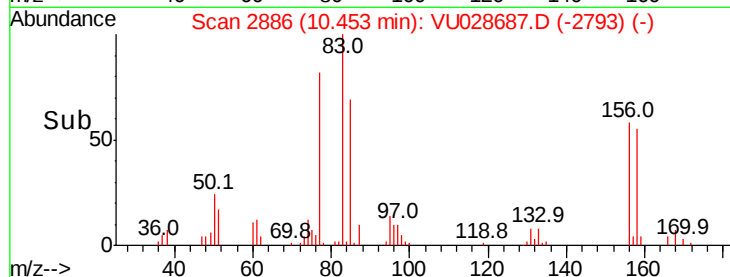
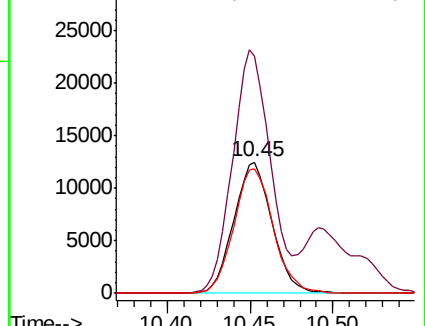
158 97.4 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.721 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028687.D

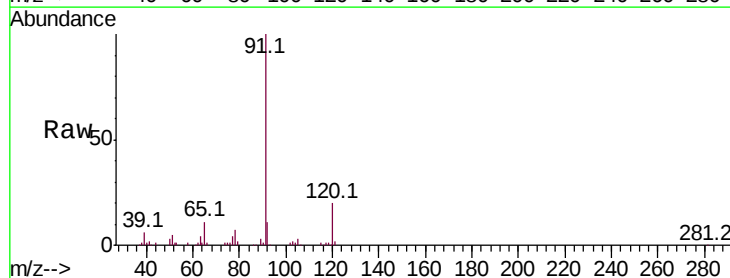
Acq: 14 Dec 2018 16:51

Tgt Ion: 91 Resp: 95572

Ion Ratio Lower Upper

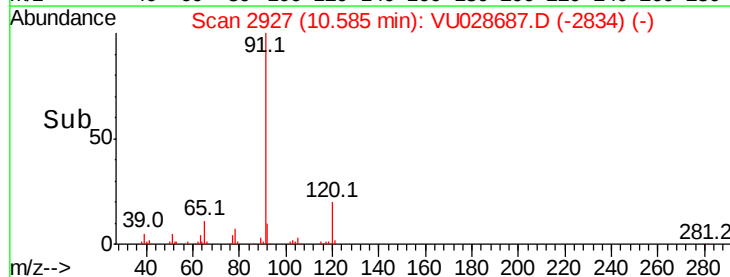
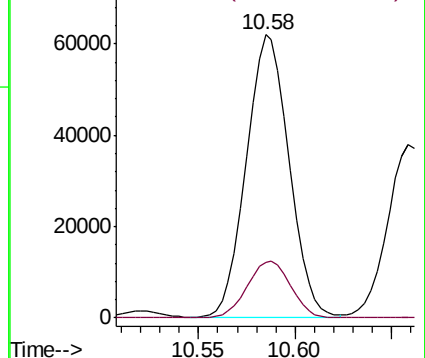
91 100

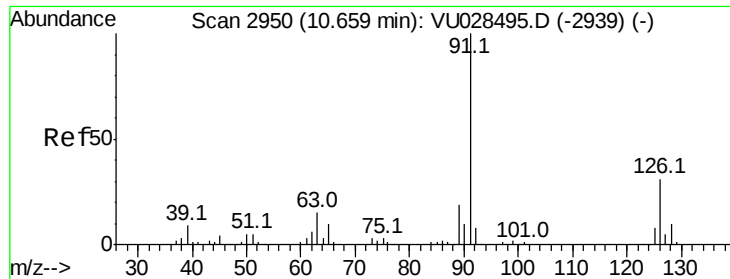
120 20.4 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

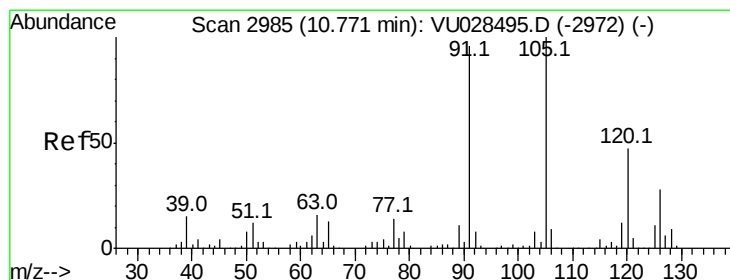
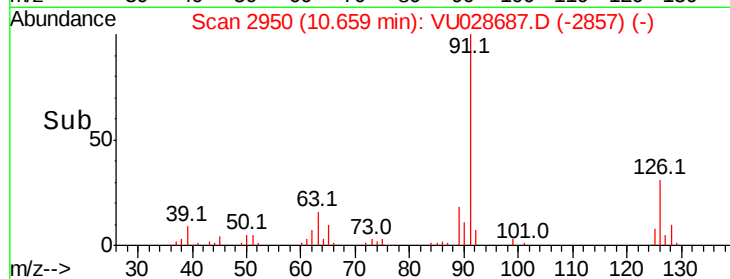
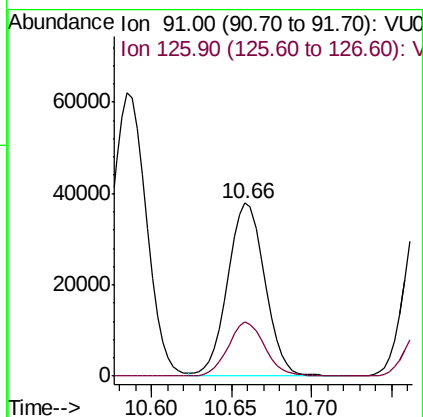
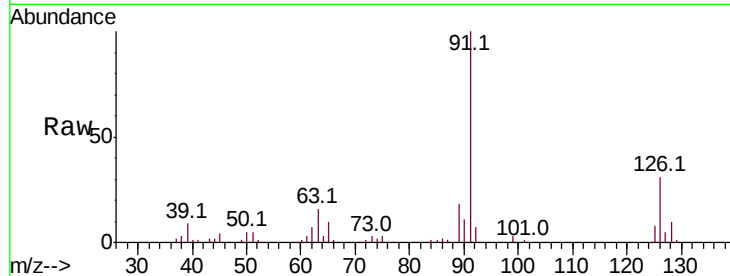




#79
 2-Chlorotoluene
 Concen: 20.553 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

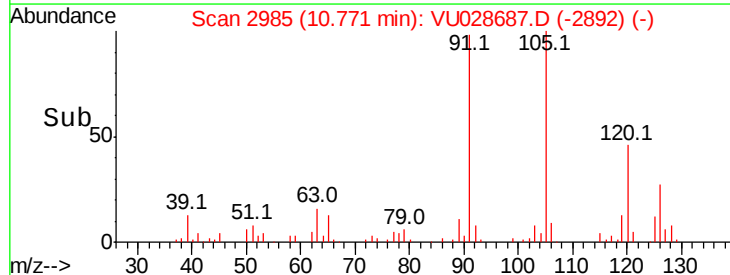
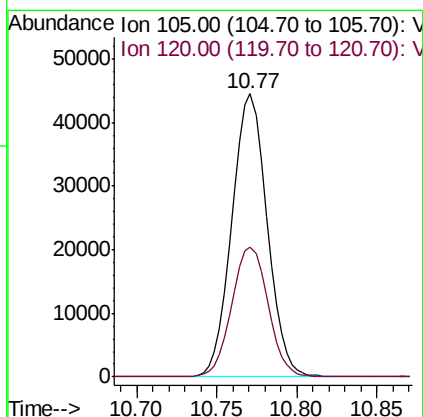
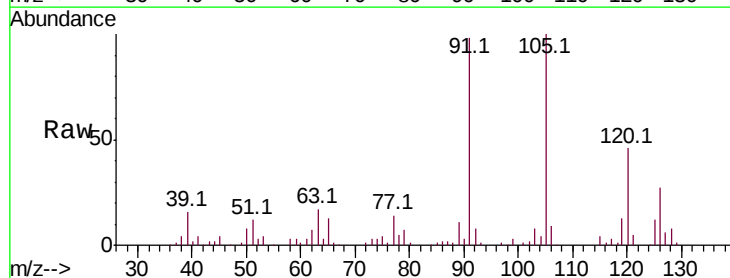
Instrument :
 MSVOA_U
 ClientSampleId :

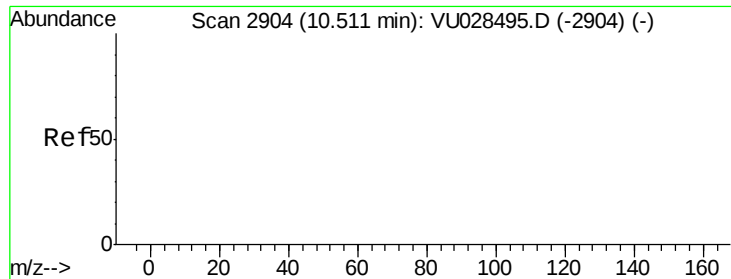
Tot Ion: 91 Resp: 60440
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.624 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion:105 Resp: 66740
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 79.524 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

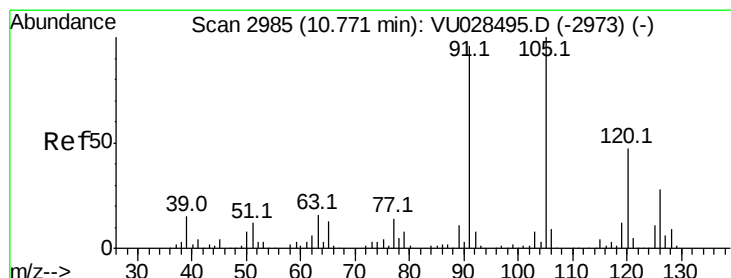
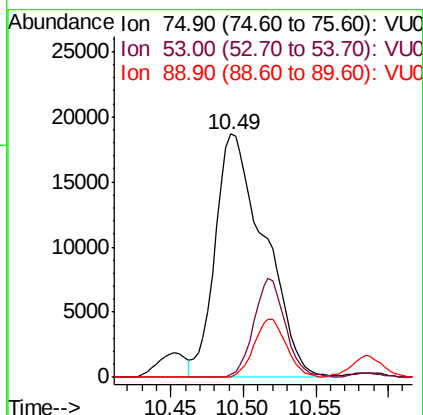
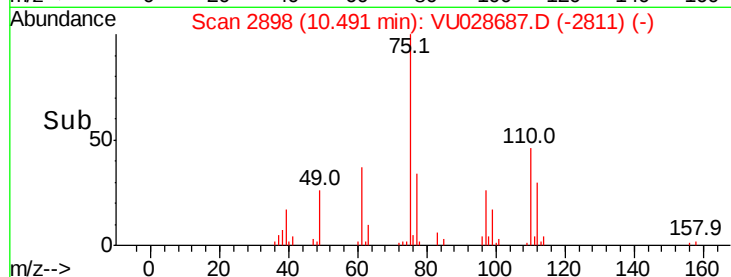
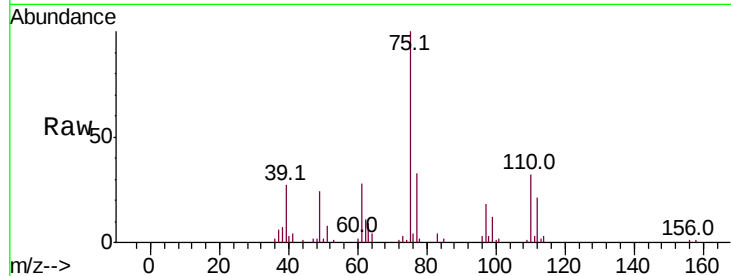
Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 44395

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 19.481 ug/l

RT: 10.77 min Scan# 2985

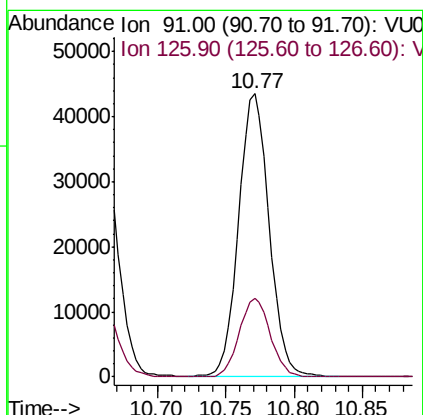
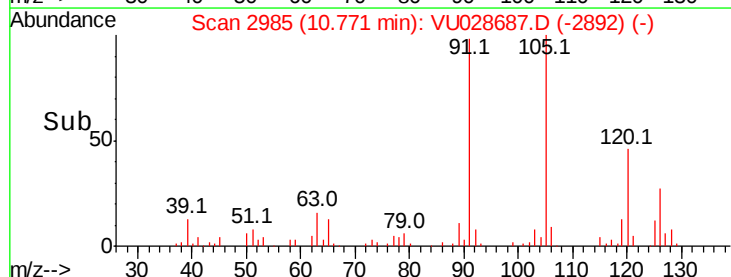
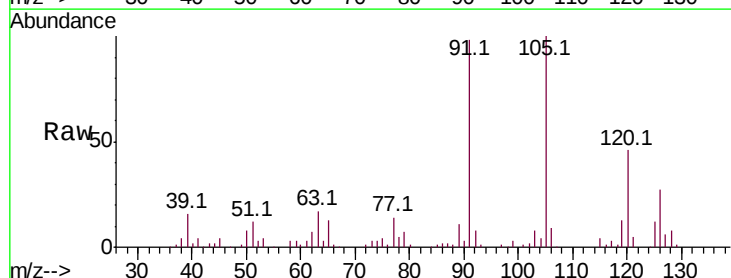
Delta R.T. -0.00 min

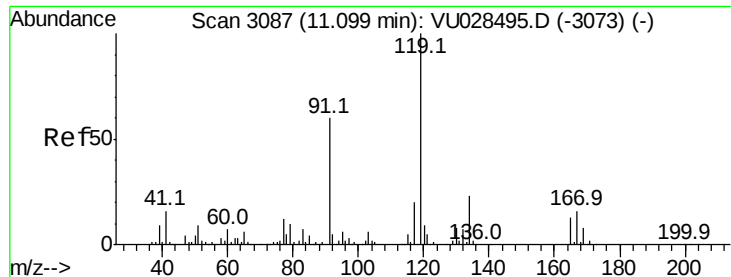
Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion: 91 Resp: 67887

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.3





#83

tert-Butylbenzene

Concen: 19.762 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

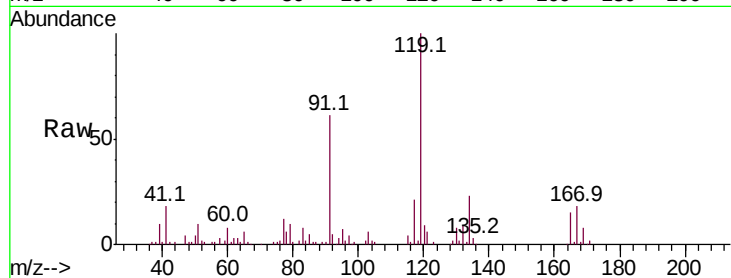
Tot Ion:119 Resp: 64780

Ion Ratio Lower Upper

119 100

91 60.3 30.3 91.0

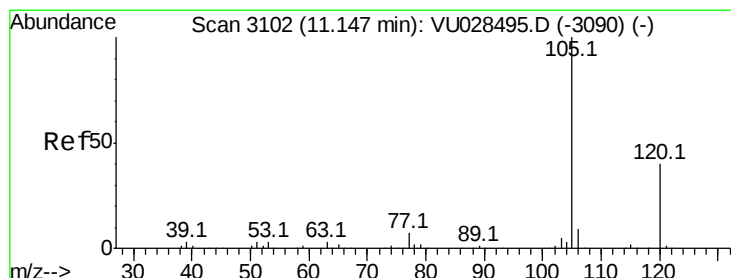
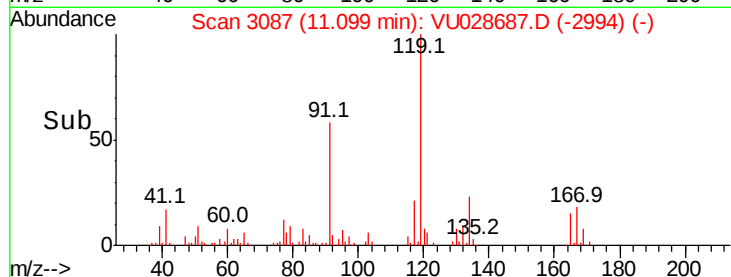
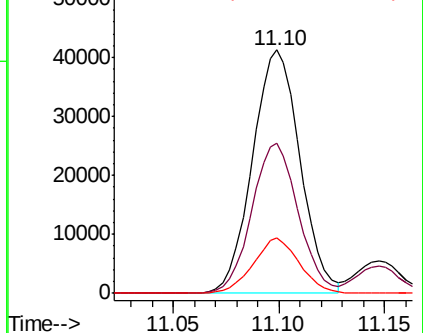
134 21.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.351 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028687.D

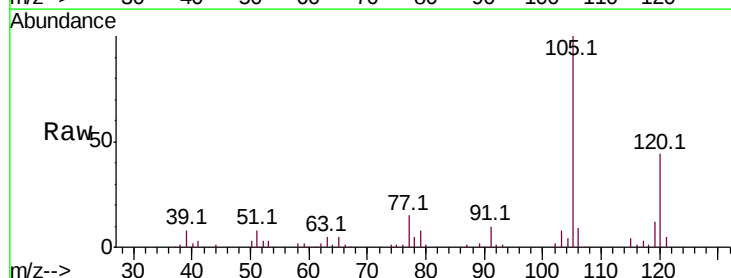
Acq: 14 Dec 2018 16:51

Tgt Ion:105 Resp: 67824

Ion Ratio Lower Upper

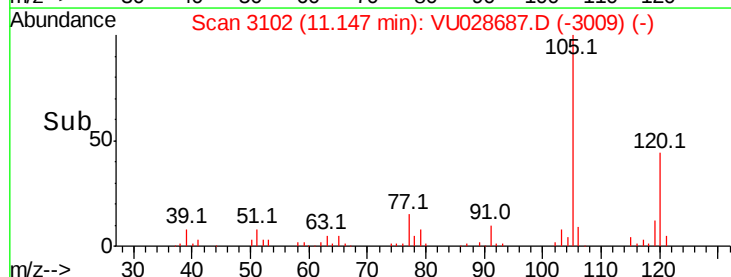
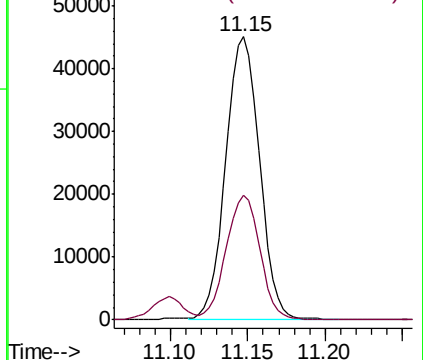
105 100

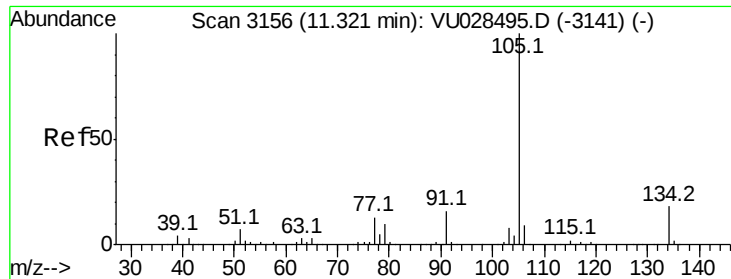
120 44.4 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

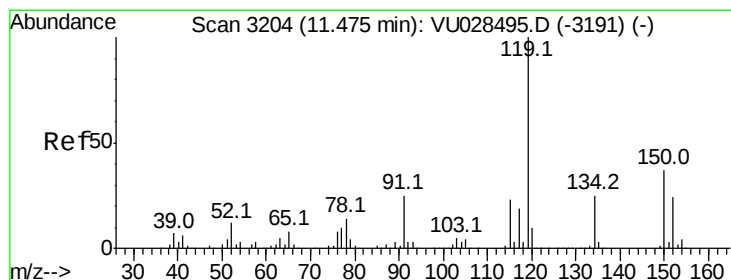
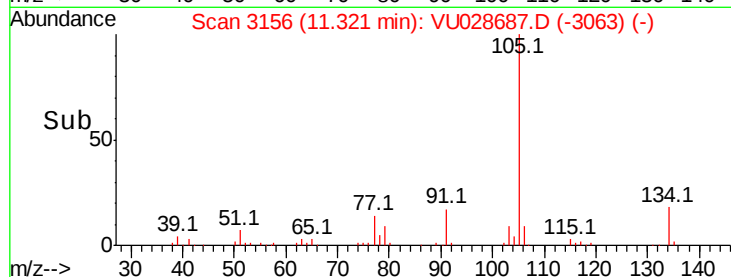
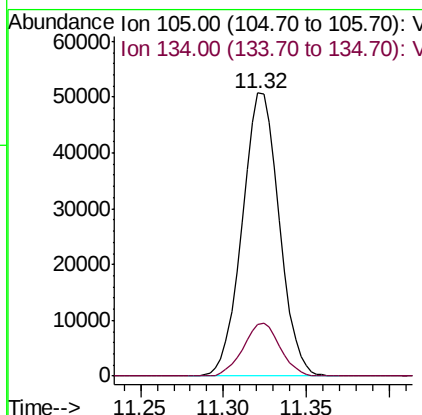
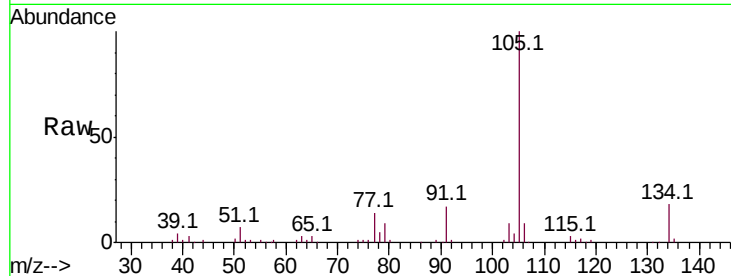




#85
 sec-Butylbenzene
 Concen: 18.695 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

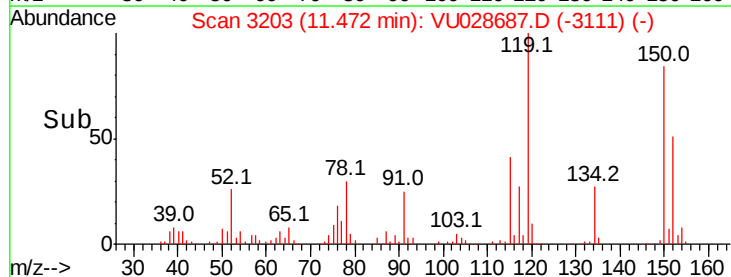
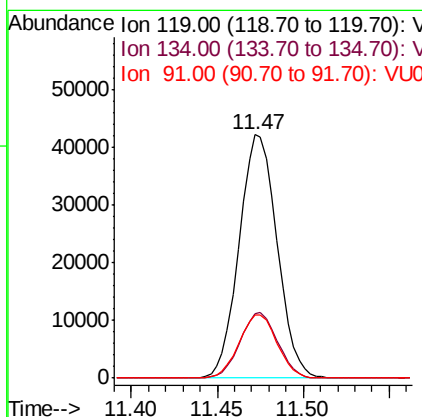
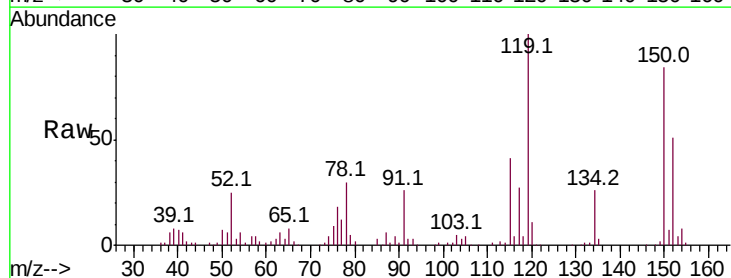
Instrument :
 MSVOA_U
 ClientSampleId :

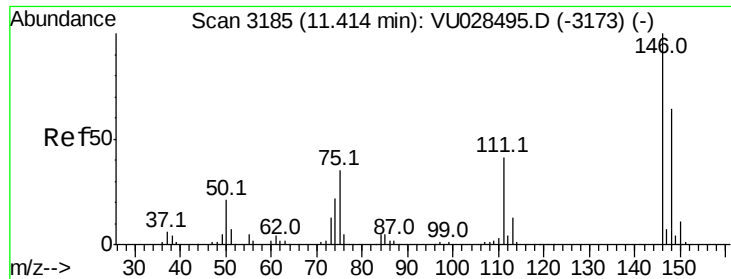
Tot Ion:105 Resp: 78727
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 18.123 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion:119 Resp: 64828
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.7 38.1
 91 25.8 12.6 37.6

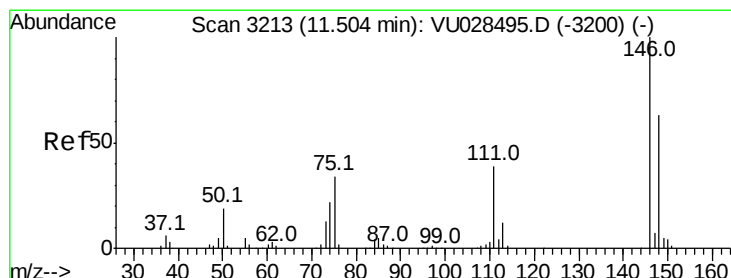
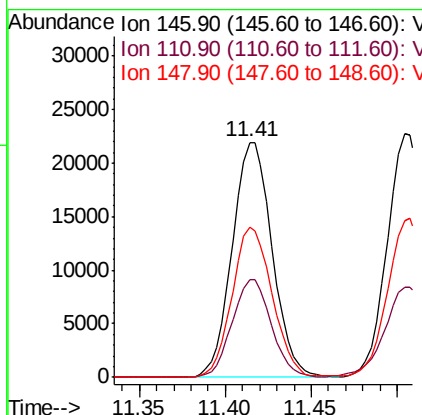
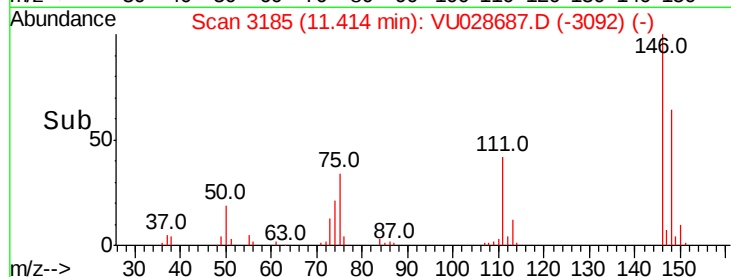
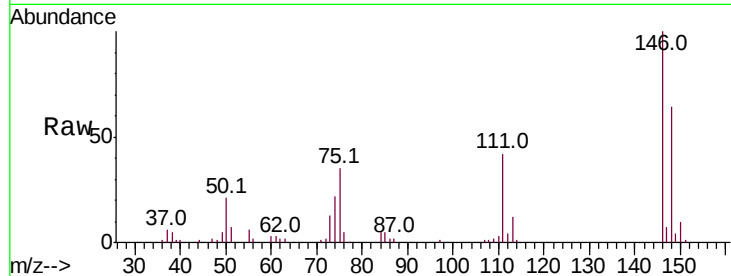




#87
 1,3-Dichlorobenzene
 Concen: 19.503 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

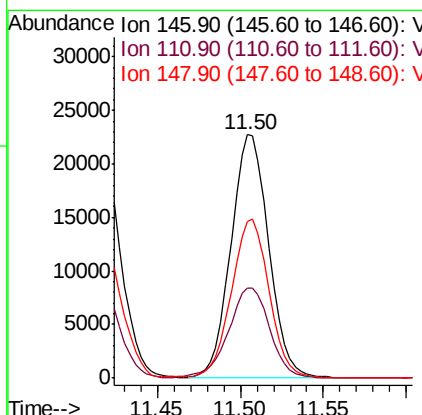
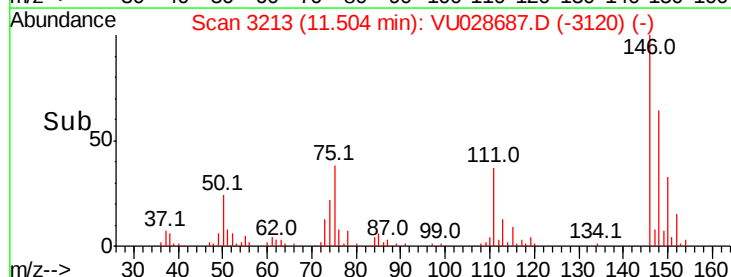
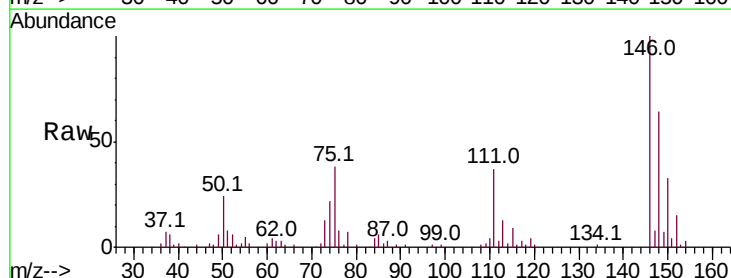
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	64.0	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.5
148	65.5	31.6	95.0

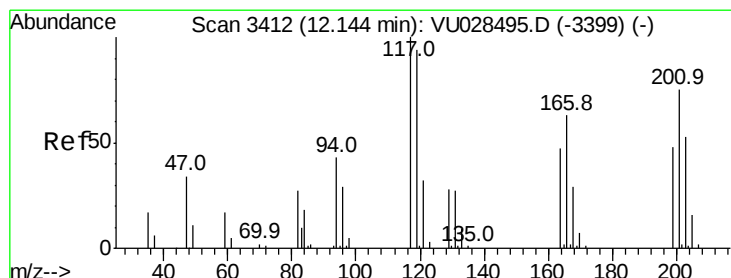
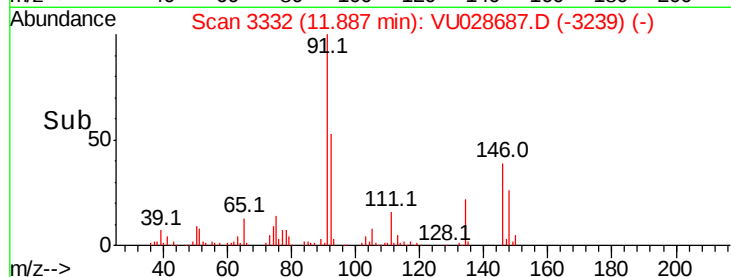
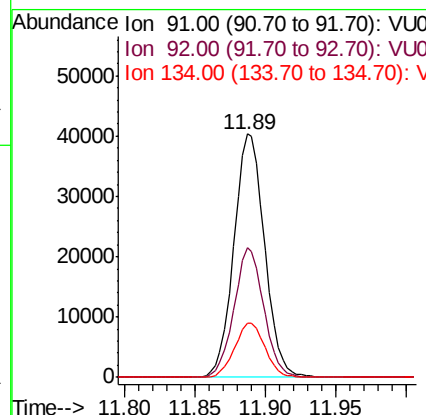
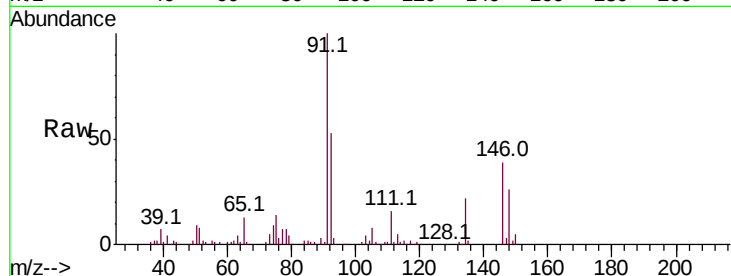




#89
n-Butylbenzene
Concen: 17.008 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

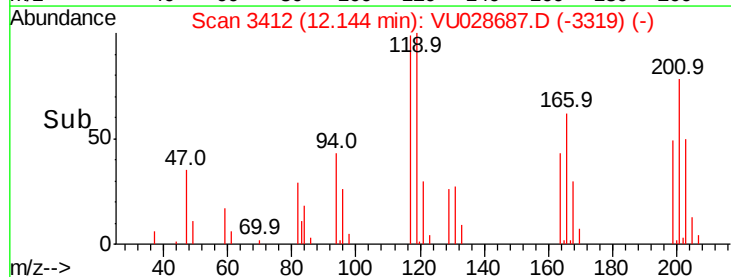
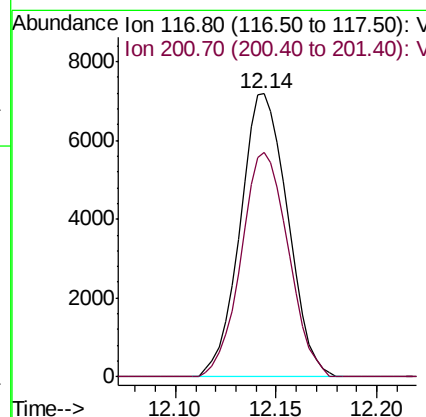
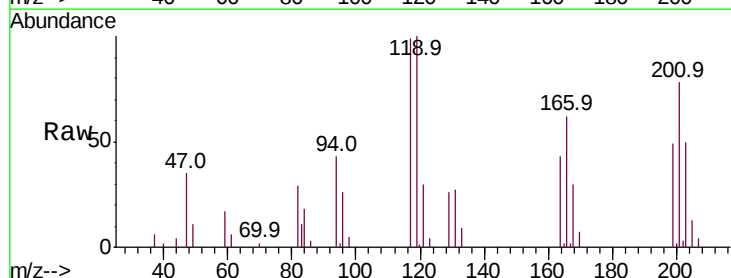
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 61574
Ion Ratio Lower Upper
91 100
92 51.4 26.3 78.9
134 21.9 11.3 33.8



#90
Hexachloroethane
Concen: 21.922 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 117 Resp: 11853
Ion Ratio Lower Upper
117 100
201 78.7 38.1 114.5

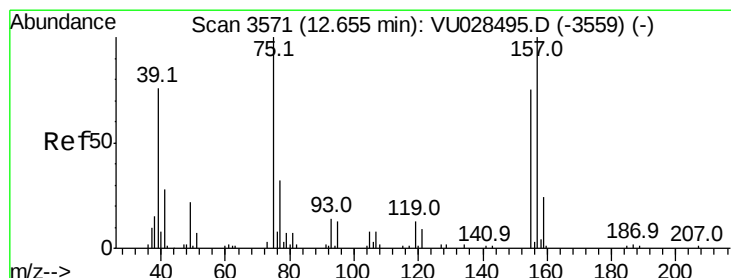
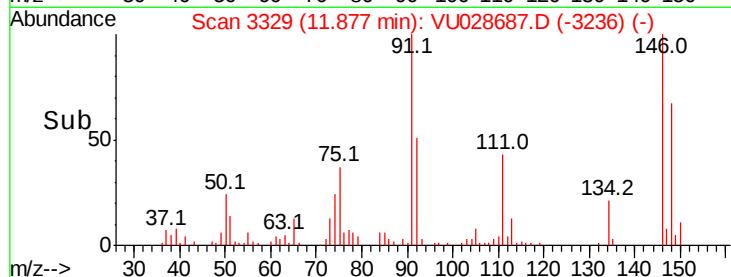
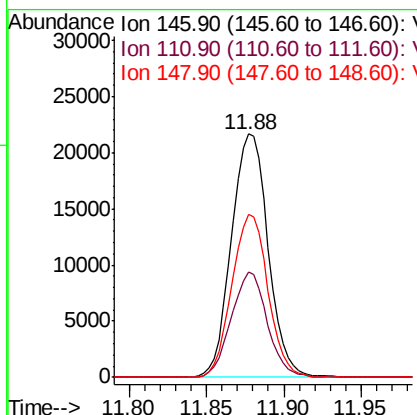
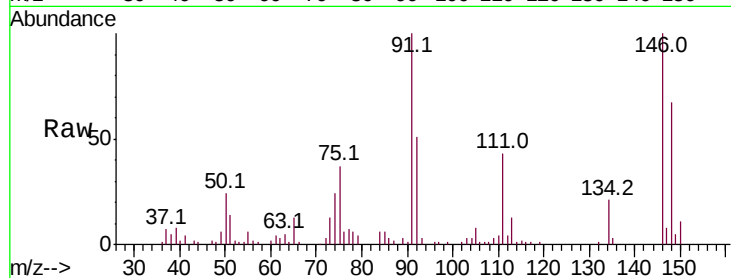




#91
 1,2-Dichlorobenzene
 Concen: 19.687 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

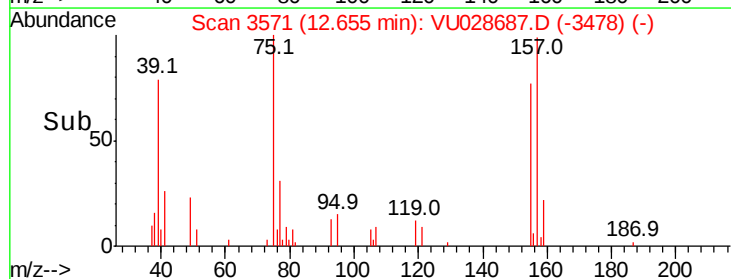
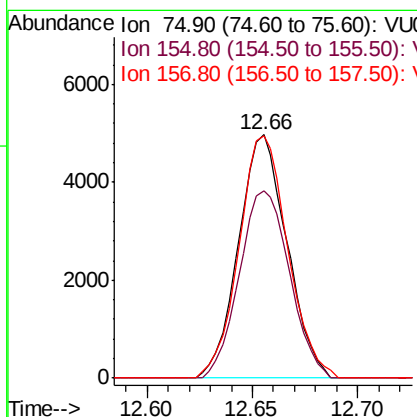
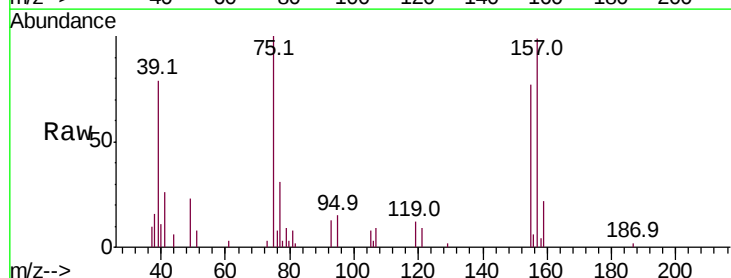
Instrument :
 MSVOA_U
 ClientSampled :

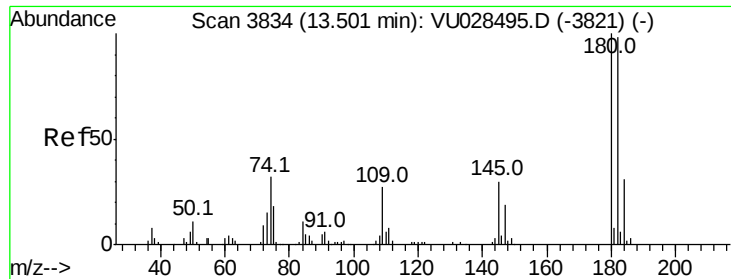
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	65.6	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.168 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	38.1	114.5
157	100.2	48.7	146.1

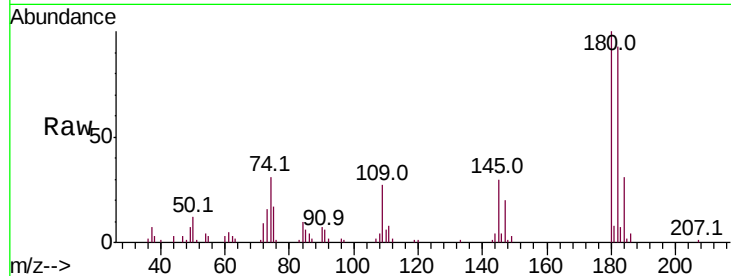




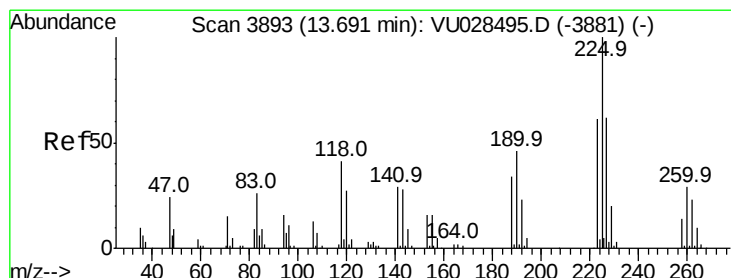
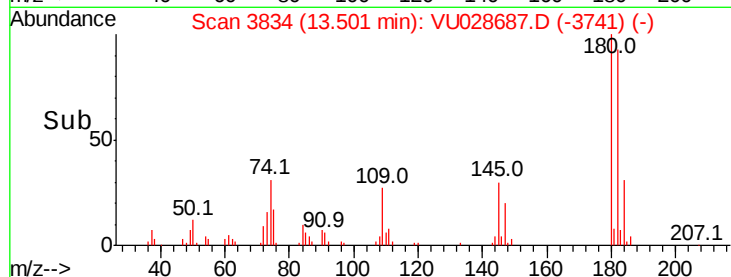
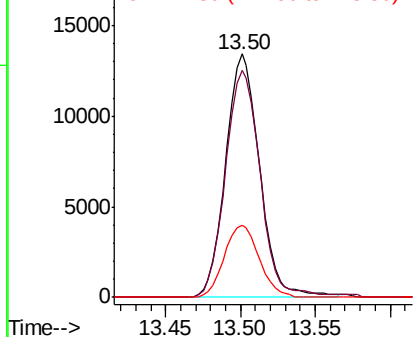
#93
 1,2,4-Trichlorobenzene
 Concen: 17.668 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 21342
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.8
 145 30.1 15.0 45.1

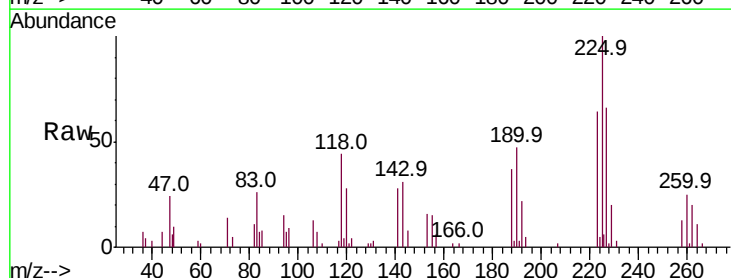


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

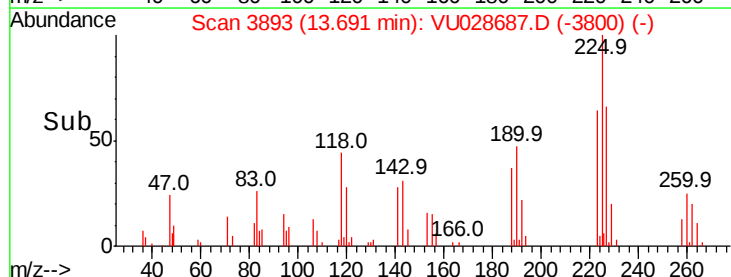
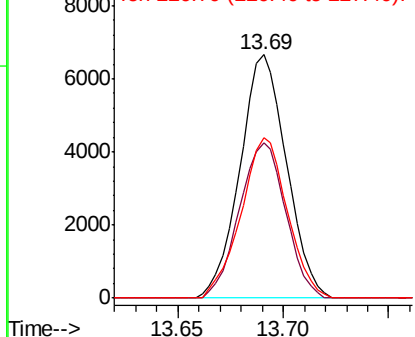


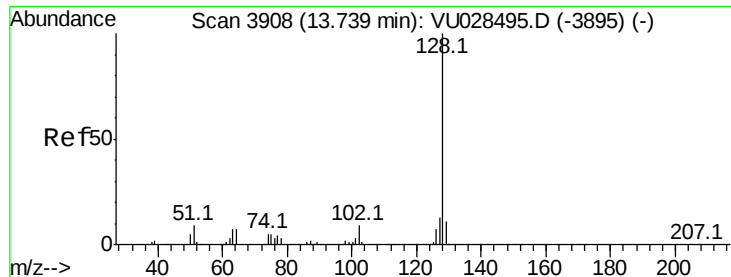
#94
 Hexachlorobutadiene
 Concen: 17.201 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion:225 Resp: 10226
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.4 91.2
 227 65.5 30.7 92.1



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

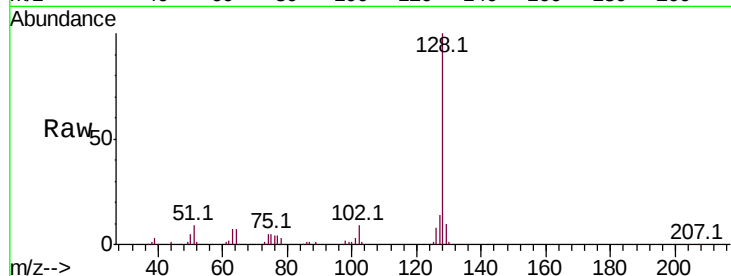




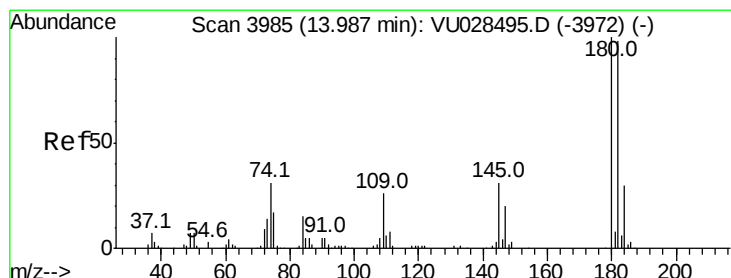
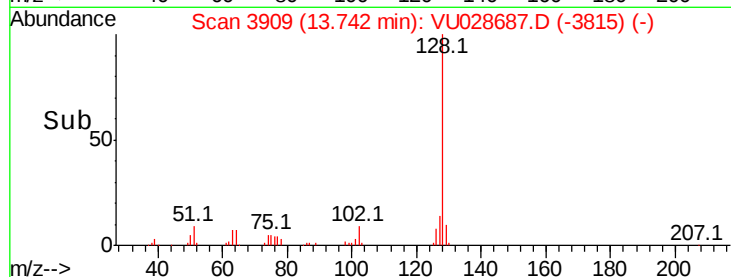
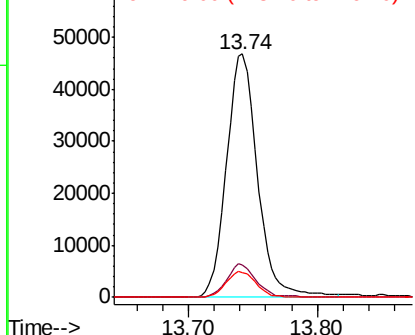
#95
Naphthalene
Concen: 17.956 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 78197
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.3 8.6 13.0

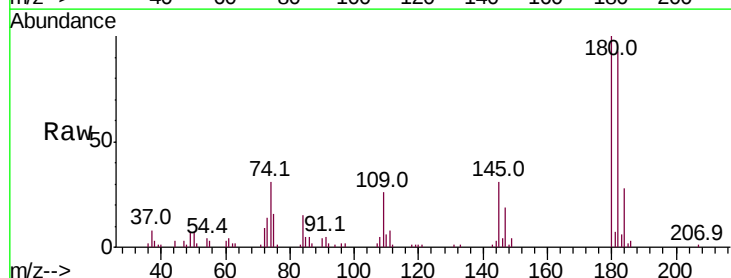


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.391 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion:180 Resp: 22711
Ion Ratio Lower Upper
180 100
182 95.6 48.2 144.6
145 31.2 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

