

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112918\
 Data File : VU028380.D
 Acq On : 29 Nov 2018 09:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 06:59:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	256443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	443433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	415139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	202971	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	206527	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	4.88	113	144989	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	7.56	98	574704	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	10.31	95	215183	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	174533	50.735	ug/l	99
3) Chloromethane	1.33	50	308500	46.265	ug/l	98
4) Vinyl Chloride	1.40	62	226375	48.522	ug/l	100
5) Bromomethane	1.60	94	97559	54.067	ug/l	99
6) Chloroethane	1.68	64	129253	48.147	ug/l	94
7) Trichlorofluoromethane	1.88	101	240330	49.593	ug/l	99
8) Diethyl Ether	2.10	74	106020	47.062	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	142538	50.491	ug/l	99
10) Methyl Iodide	2.40	142	144519	54.287	ug/l	98
11) Tert butyl alcohol	2.83	59	239652	246.136	ug/l	98
12) 1,1-Dichloroethene	2.28	96	135570	49.485	ug/l	97
13) Acrolein	2.19	56	197351	227.994	ug/l	99
14) Allyl chloride	2.59	41	340772	47.609	ug/l	99
15) Acrylonitrile	2.93	53	638107	247.759	ug/l	100
16) Acetone	2.32	43	657439	250.765	ug/l	99
17) Carbon Disulfide	2.47	76	487633	46.373	ug/l	99
18) Methyl Acetate	2.61	43	357912	49.032	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	554361	49.357	ug/l	99
20) Methylene Chloride	2.70	84	180830	48.900	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	157773	49.658	ug/l	98
22) Diisopropyl ether	3.57	45	704459	49.990	ug/l	98
23) Vinyl Acetate	3.52	43	2937350	250.767	ug/l	100
24) 1,1-Dichloroethane	3.44	63	350212	50.406	ug/l	99
25) 2-Butanone	4.26	43	941636	250.611	ug/l	99
26) 2,2-Dichloropropane	4.22	77	279590	50.670	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	183262	48.772	ug/l	99
28) Bromochloromethane	4.55	49	174811	50.319	ug/l	99
29) Tetrahydrofuran	4.63	42	598508	245.338	ug/l	99
30) Chloroform	4.67	83	309543	48.268	ug/l	97
31) Cyclohexane	4.99	56	346063	48.509	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	254669	49.489	ug/l	100
36) 1,1-Dichloropropene	5.13	75	241573	49.784	ug/l	99
37) Ethyl Acetate	4.37	43	338050	51.121	ug/l	100
38) Carbon Tetrachloride	5.13	117	202875	50.913	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	302265	52.834	ug/l	97
40) Benzene	5.39	78	738738	51.402	ug/l	98
41) Methacrylonitrile	4.54	41	189824	51.690	ug/l	98
42) 1,2-Dichloroethane	5.40	62	260393	50.294	ug/l	98
43) Isopropyl Acetate	5.54	43	539820	51.515	ug/l	99
44) Trichloroethene	6.18	130	157530	51.136	ug/l	96
45) 1,2-Dichloropropane	6.43	63	214185	50.892	ug/l	99
46) Dibromomethane	6.56	93	123420	51.054	ug/l	99
47) Bromodichloromethane	6.75	83	241506	50.226	ug/l	97
48) Methyl methacrylate	6.62	41	277639	50.864	ug/l	99
49) 1,4-Dioxane	6.61	88	98361	1127.988	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1690422	252.576	ug/l	99
52) Toluene	7.64	92	427369	51.640	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	293600	51.063	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	312369	50.711	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	170430	49.482	ug/l	98
56) Ethyl methacrylate	8.02	69	308448	52.640	ug/l	98
57) 1,3-Dichloropropane	8.24	76	321895	50.962	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	809284	257.249	ug/l	100
59) 2-Hexanone	8.36	43	1368121	263.902	ug/l	100
60) Dibromochloromethane	8.48	129	168041	51.298	ug/l	99
61) 1,2-Dibromoethane	8.58	107	182938	51.858	ug/l	97
64) Tetrachloroethene	8.22	164	137424	50.324	ug/l	96
65) Chlorobenzene	9.12	112	448672	52.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	151015	51.110	ug/l	98
67) Ethyl Benzene	9.25	91	841070	51.805	ug/l	99
68) m/p-Xylenes	9.37	106	607784	104.008	ug/l	99
69) o-Xylene	9.78	106	297002	51.127	ug/l	100
70) Styrene	9.79	104	497629	53.116	ug/l	100
71) Bromoform	9.96	173	127606	51.381	ug/l #	99
73) Isopropylbenzene	10.16	105	804317	50.951	ug/l	99
74) N-amyl acetate	10.01	43	496922	50.242	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	321160	49.473	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	387946	68.925	ug/l	78
77) Bromobenzene	10.45	156	184777	49.676	ug/l	98
78) n-propylbenzene	10.58	91	998814	51.289	ug/l	100
79) 2-Chlorotoluene	10.66	91	589848	51.380	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	682843	51.330	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	387946	182.960	ug/l #	100
82) 4-Chlorotoluene	10.77	91	671025	50.732	ug/l	100
83) tert-Butylbenzene	11.10	119	653246	52.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	696591	51.698	ug/l	100
85) sec-Butylbenzene	11.32	105	828313	51.426	ug/l	100
86) p-Isopropyltoluene	11.48	119	700677	52.905	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	340833	50.239	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	343414	50.297	ug/l	98
89) n-Butylbenzene	11.89	91	705421	53.969	ug/l	99
90) Hexachloroethane	12.14	117	109015	52.724	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	347708	51.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	71450	49.482	ug/l	98

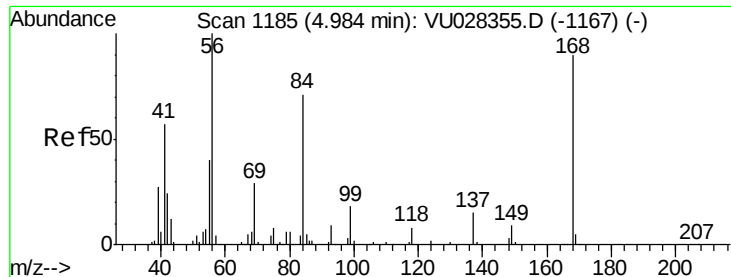
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	231180	52.178	ug/l	100
94) Hexachlorobutadiene	13.69	225	112164	53.613	ug/l	98
95) Naphthalene	13.74	128	810170	47.572	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	237188	52.932	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

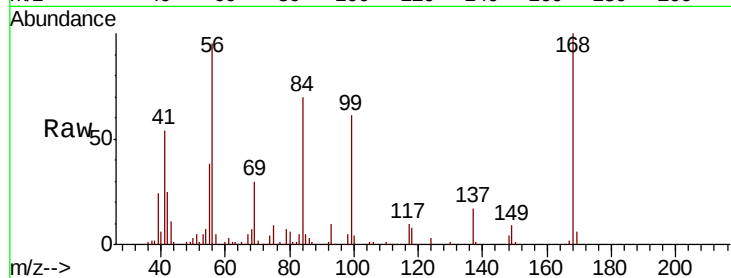
ClientSampleId :

Tot Ion:168 Resp: 256443

Ion Ratio Lower Upper

168 100

99 60.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

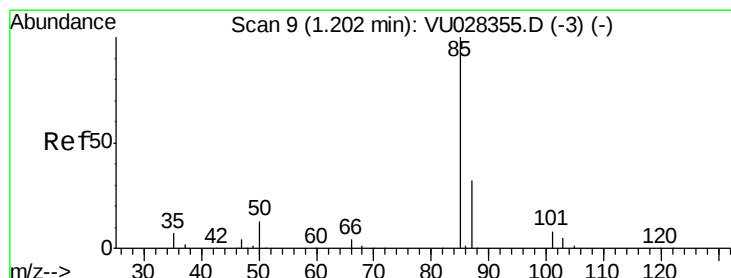
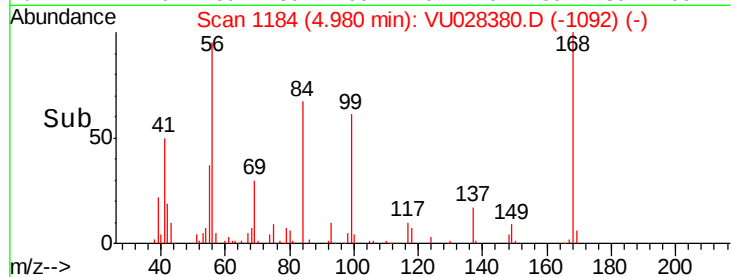
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.735 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU028380.D

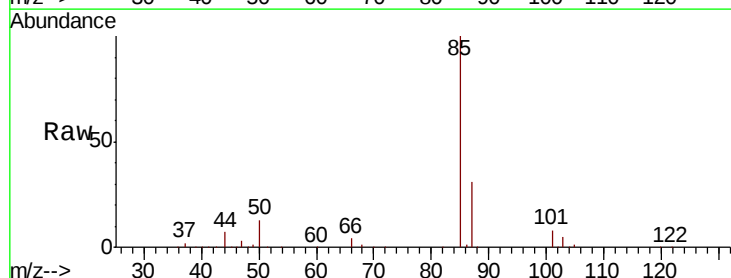
Acq: 29 Nov 2018 09:20

Tgt Ion: 85 Resp: 174533

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.20

200000

150000

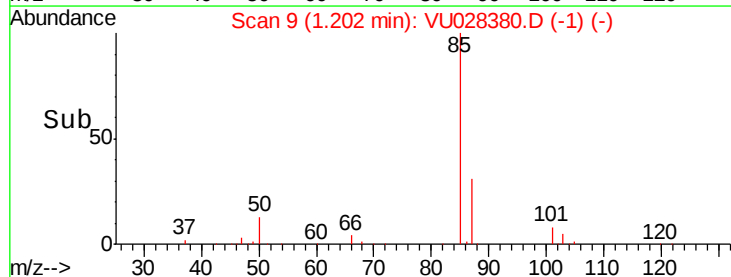
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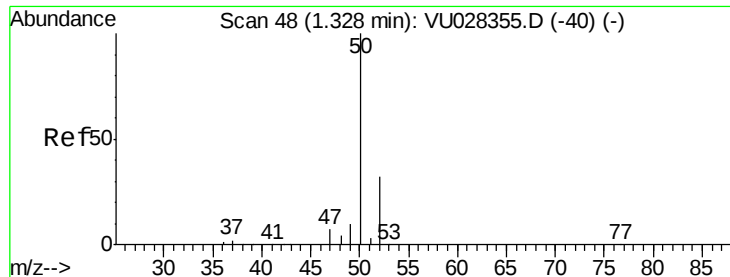
50000

0

1.15 1.20 1.25

Time-->

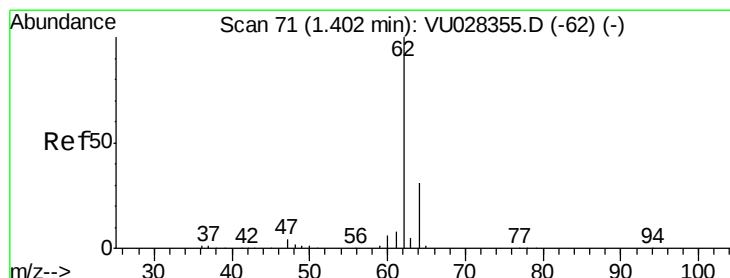
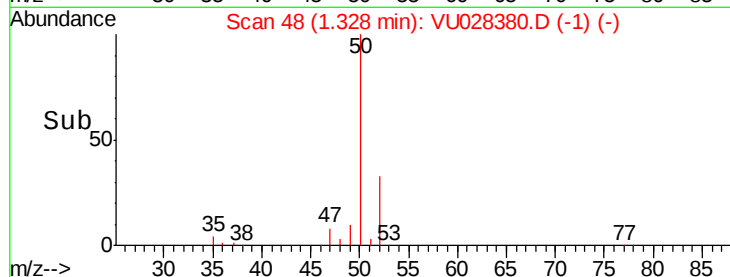
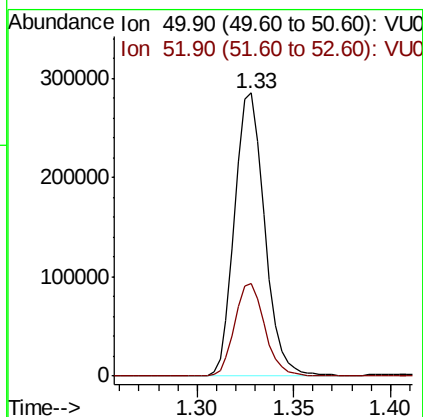
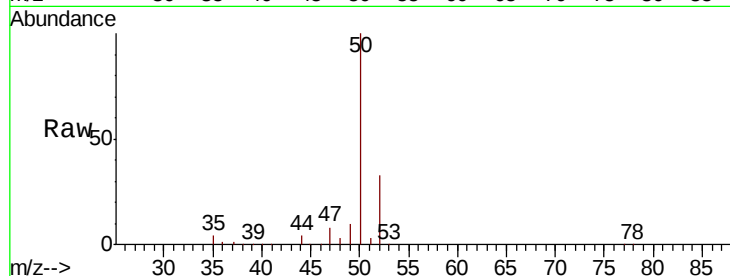




#3
Chloromethane
Concen: 46.265 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

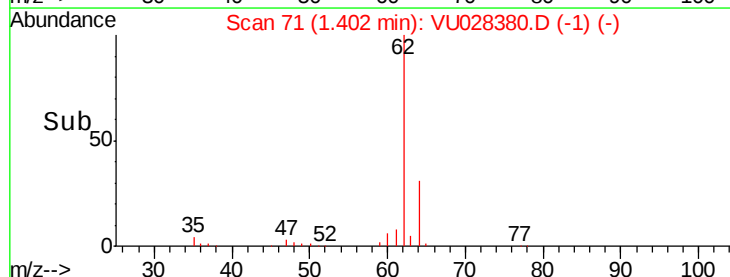
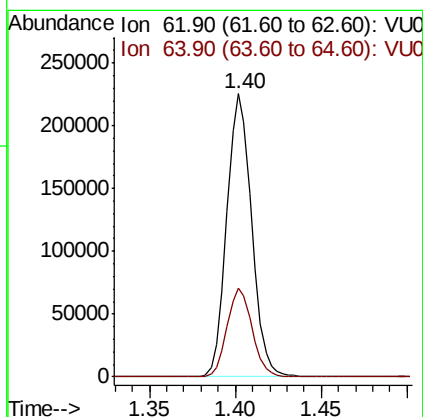
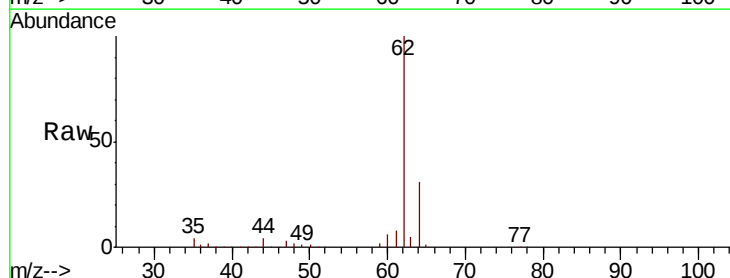
Instrument :
MSVOA_U
ClientSampleId :

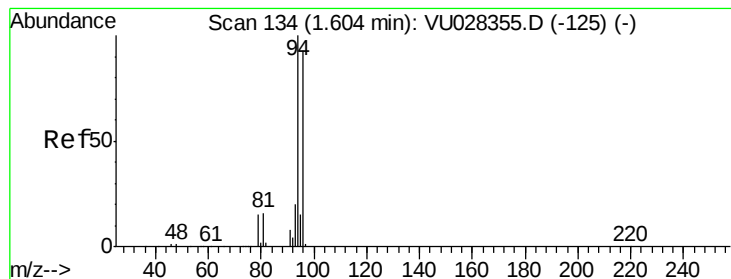
Tot Ion: 50 Resp: 308500
Ion Ratio Lower Upper
50 100
52 32.8 25.4 38.2



#4
Vinyl Chloride
Concen: 48.522 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 62 Resp: 226375
Ion Ratio Lower Upper
62 100
64 31.3 25.0 37.4





#5

Bromomethane

Concen: 54.067 ug/l

RT: 1.60 min Scan# 134

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

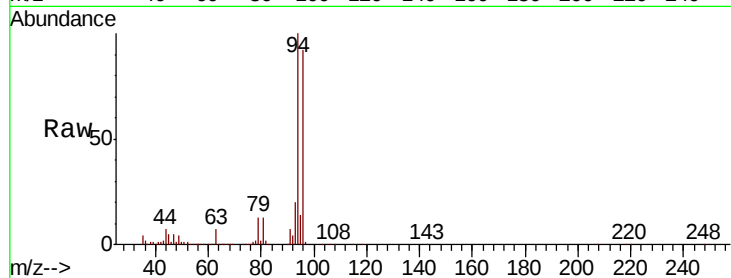
ClientSampleId :

Tot Ion: 94 Resp: 97559

Ion Ratio Lower Upper

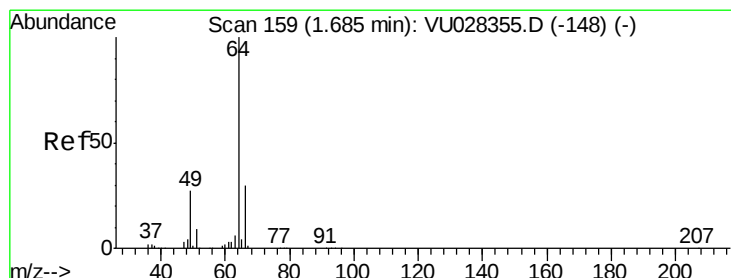
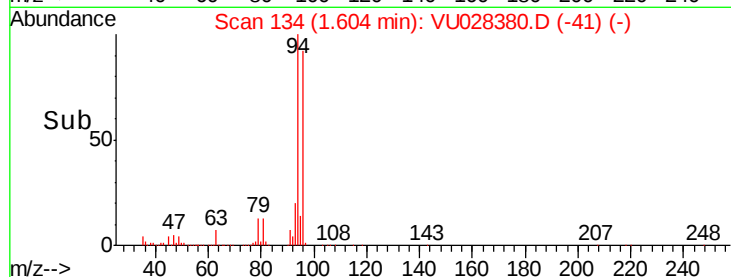
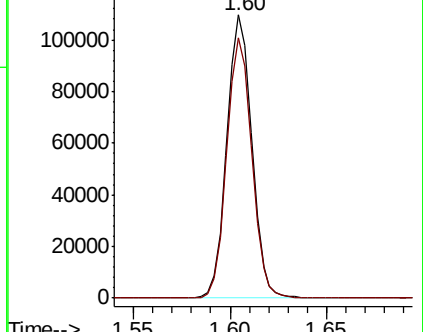
94 100

96 92.2 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU028355.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028380.D (-41) (-)



#6

Chloroethane

Concen: 48.147 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.00 min

Lab File: VU028380.D

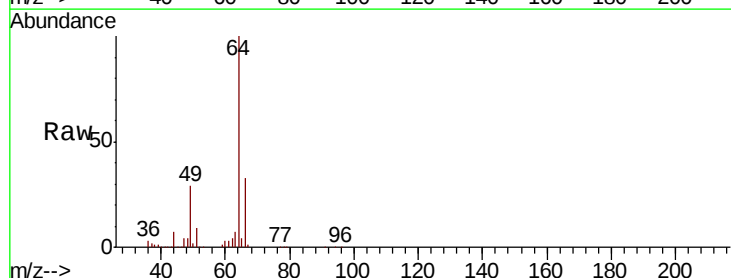
Acq: 29 Nov 2018 09:20

Tgt Ion: 64 Resp: 129253

Ion Ratio Lower Upper

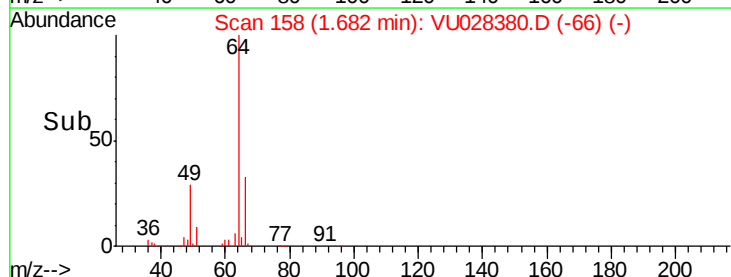
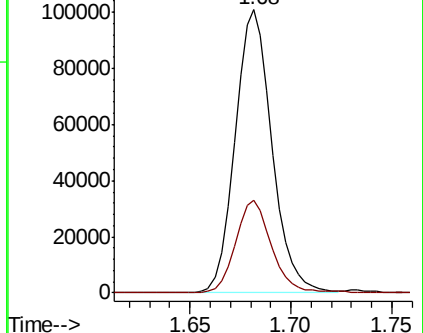
64 100

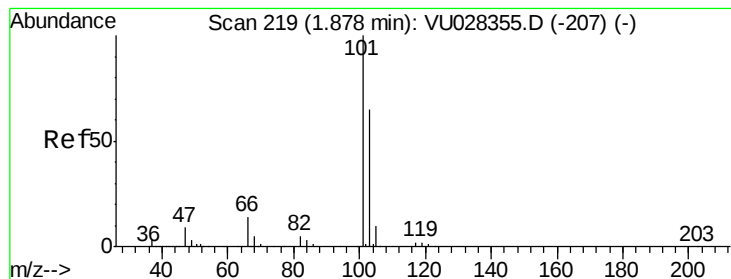
66 32.7 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU028355.D (-148) (-)

Ion 65.90 (65.60 to 66.60): VU028380.D (-66) (-)



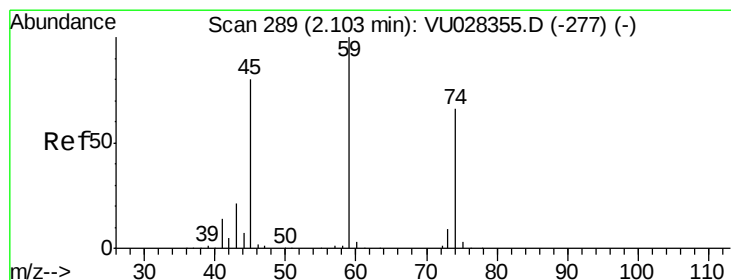
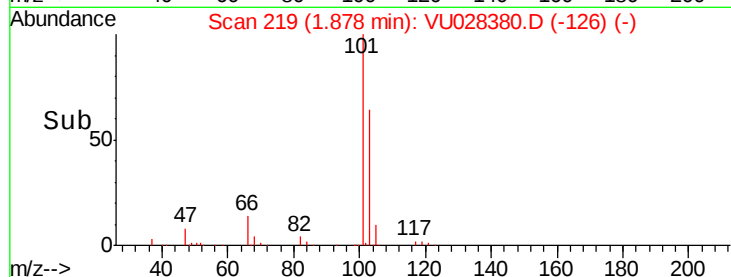
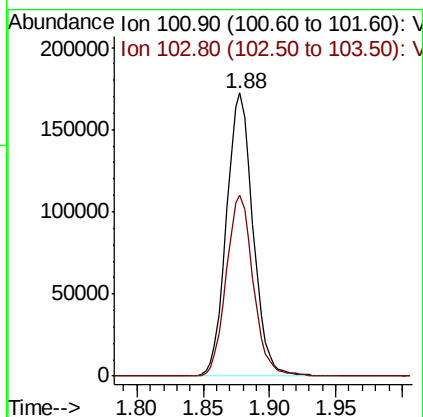
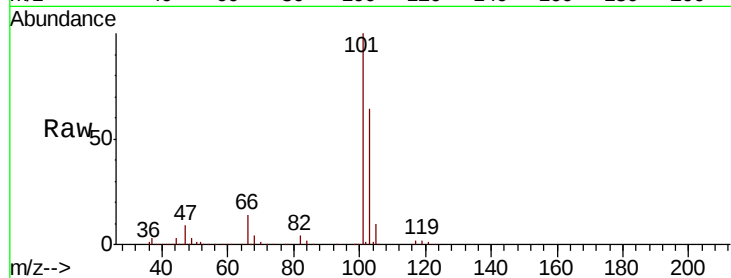


#7

Trichlorofluoromethane
 Concen: 49.593 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Instrument :
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 ClientSampleId :

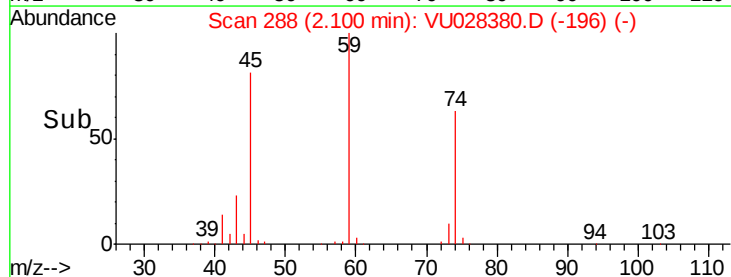
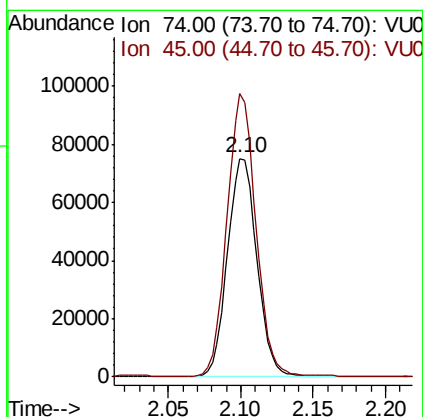
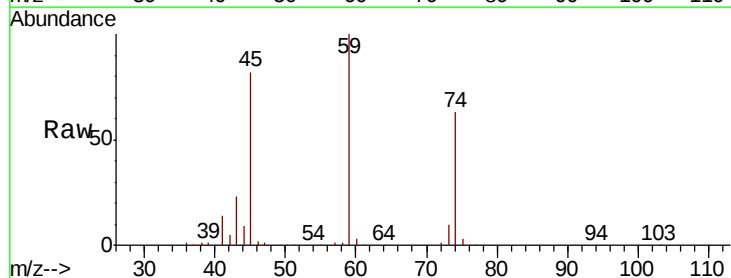
Tot Ion:101 Resp: 240330
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.6 77.4

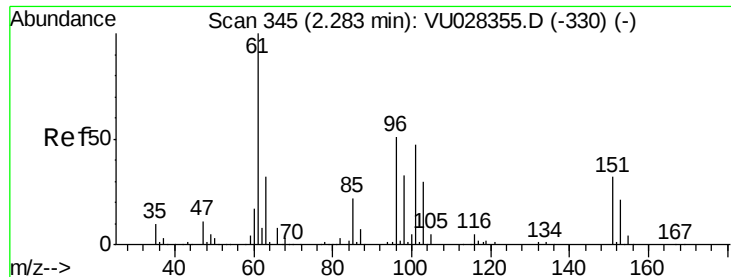


#8

Diethyl Ether
 Concen: 47.062 ug/l
 RT: 2.10 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion: 74 Resp: 106020
 Ion Ratio Lower Upper
 74 100
 45 127.2 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.491 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampleId :

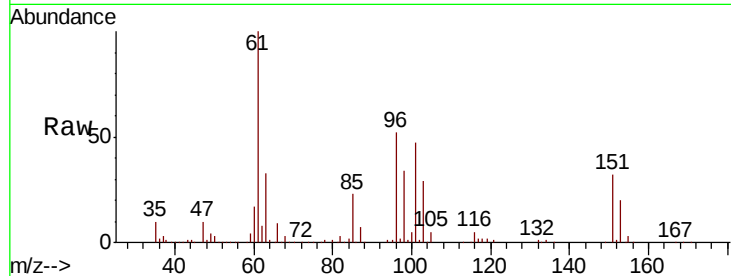
Tot Ion:101 Resp: 142538

Ion Ratio Lower Upper

101 100

85 47.1 37.2 55.8

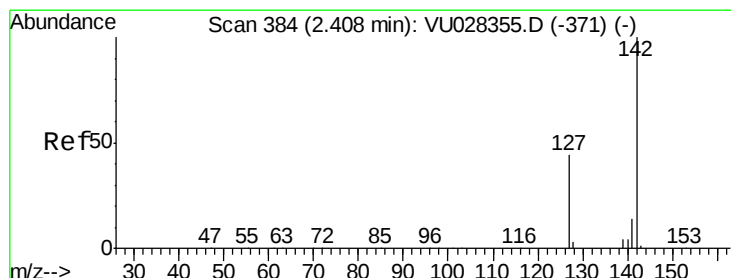
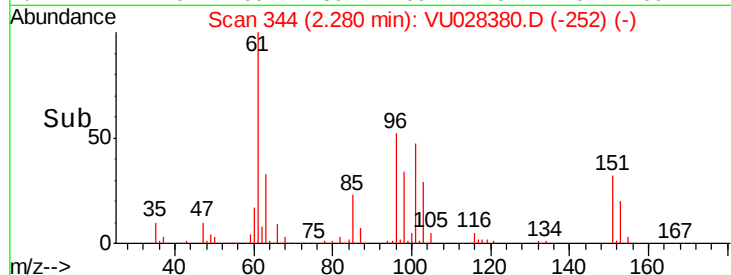
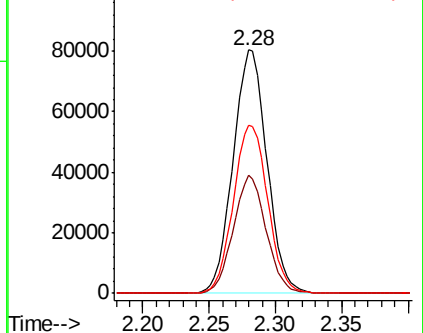
151 70.3 55.4 83.0



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: 54.287 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

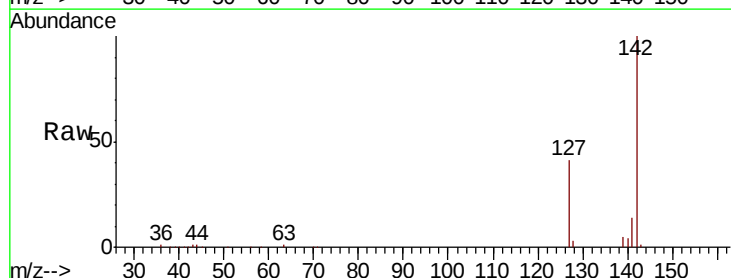
Tgt Ion:142 Resp: 144519

Ion Ratio Lower Upper

142 100

127 42.0 35.0 52.6

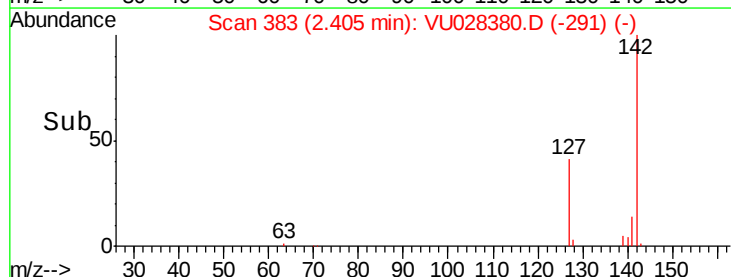
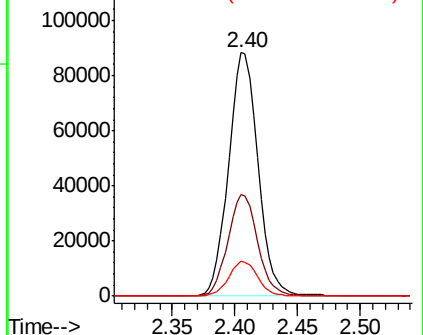
141 14.1 11.2 16.8

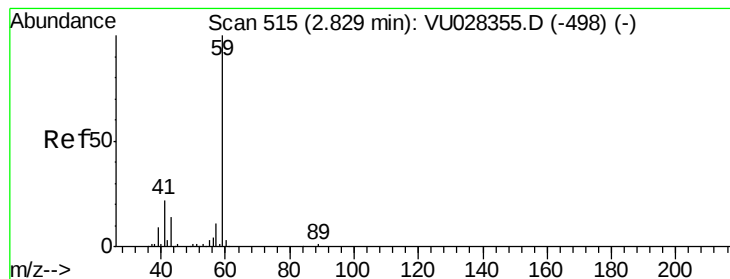


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



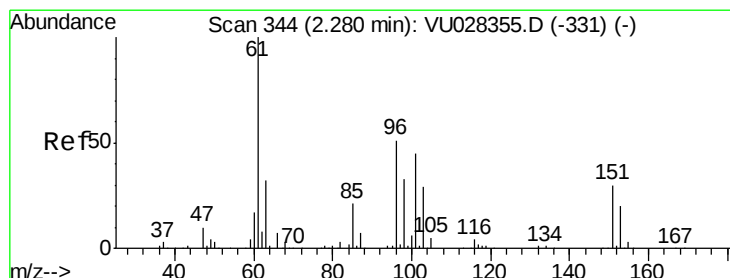
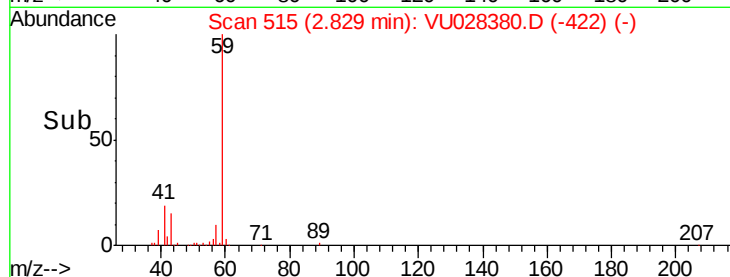
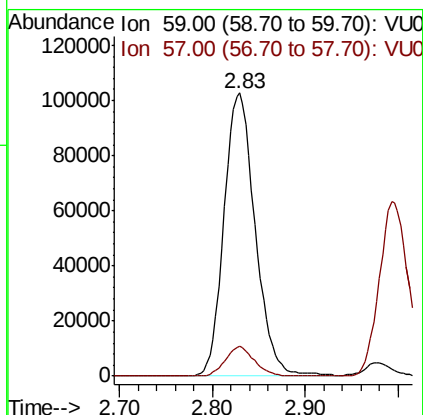
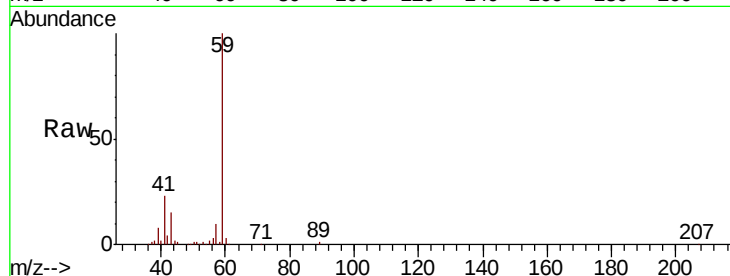


#11

Tert butyl alcohol
Concen: 246.136 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampled :

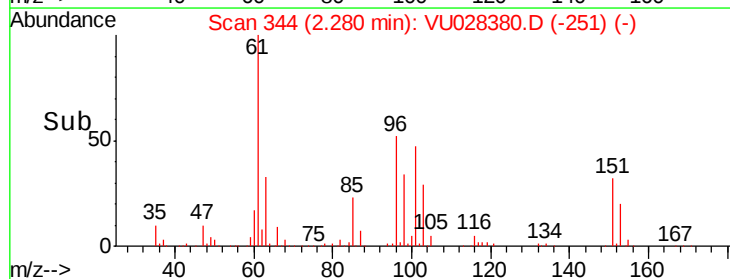
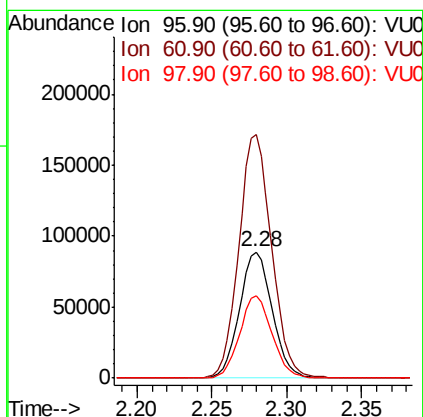
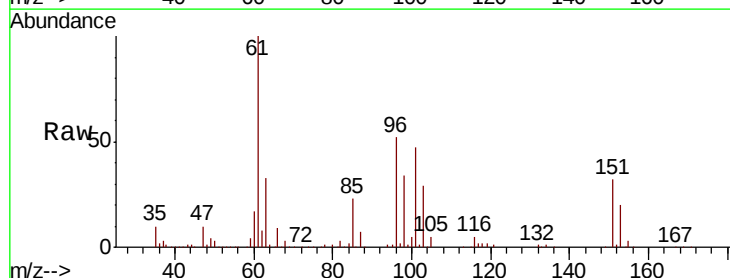
Tot Ion: 59 Resp: 239652
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5

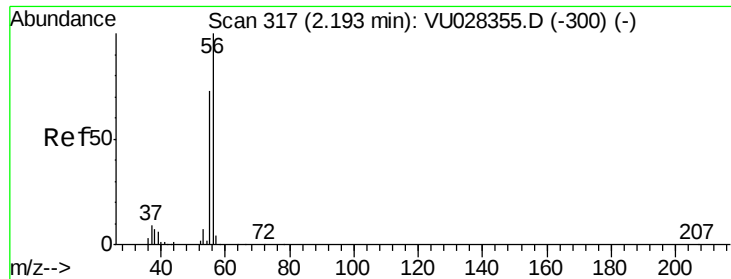


#12

1,1-Dichloroethene
Concen: 49.485 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 96 Resp: 135570
Ion Ratio Lower Upper
96 100
61 192.8 158.1 237.1
98 65.1 51.4 77.2





#13

Acrolein

Concen: 227.994 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

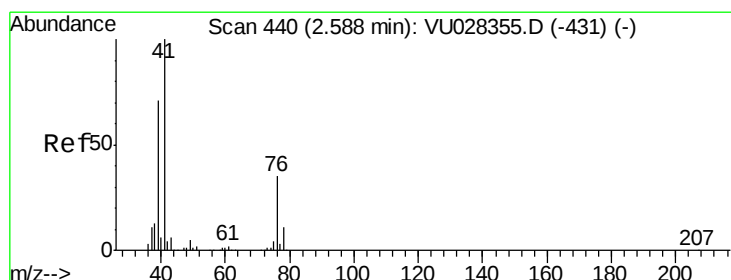
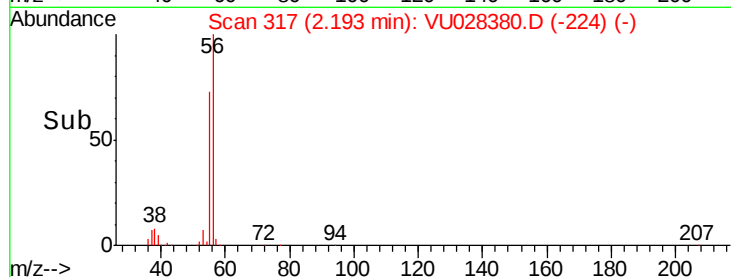
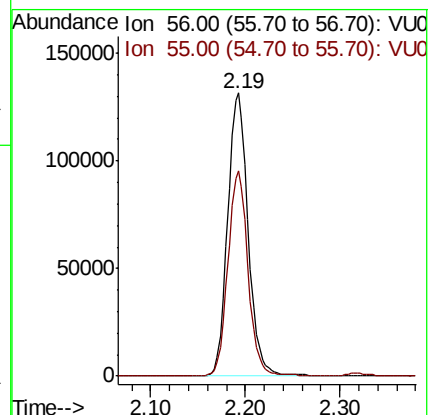
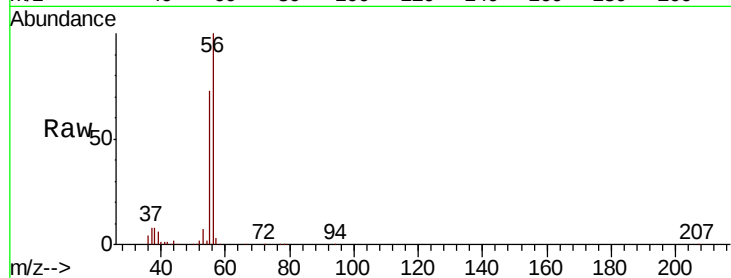
ClientSampleId :

Tot Ion: 56 Resp: 197351

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



#14

Allyl chloride

Concen: 47.609 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

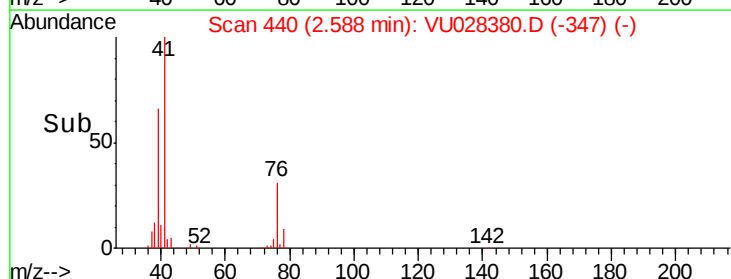
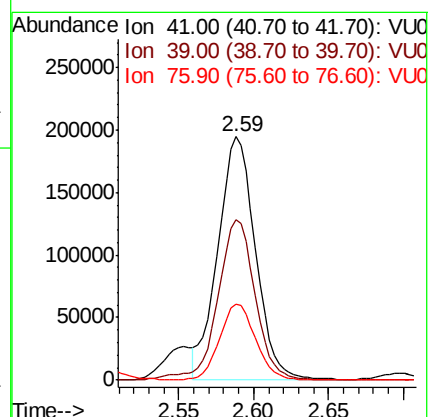
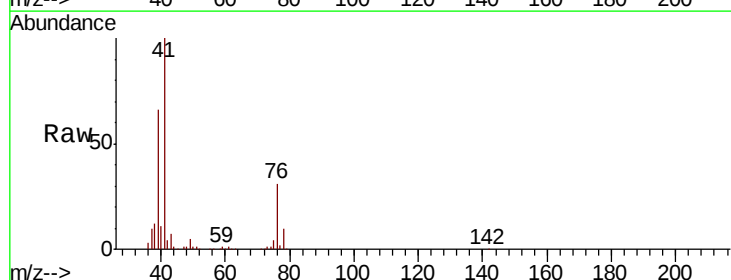
Tgt Ion: 41 Resp: 340772

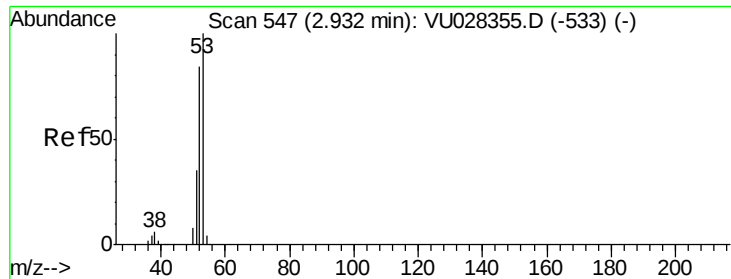
Ion Ratio Lower Upper

41 100

39 65.3 51.6 77.4

76 29.7 24.4 36.6





#15

Acrylonitrile

Concen: 247.759 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

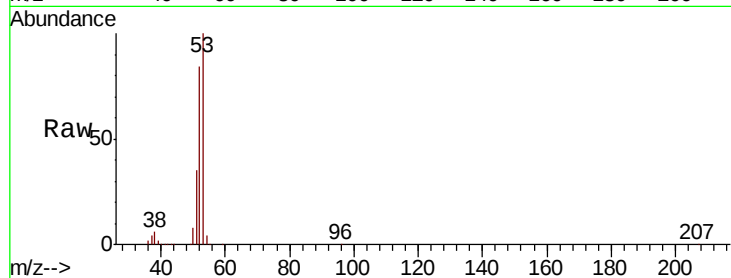
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 53 Resp: 638107

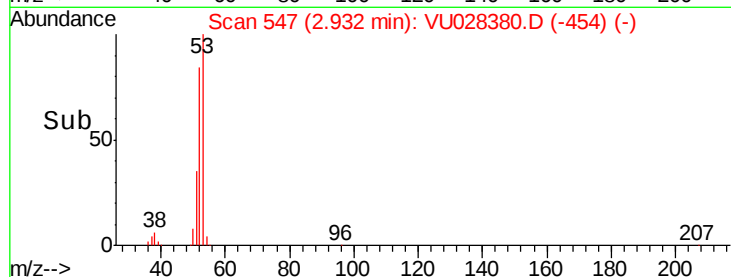
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	35.0	27.8	41.6



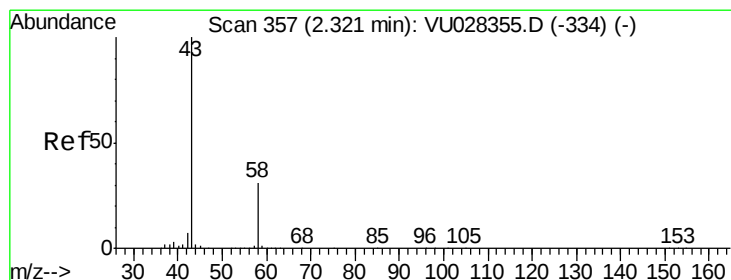
Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->



#16

Acetone

Concen: 250.765 ug/l

RT: 2.32 min Scan# 356

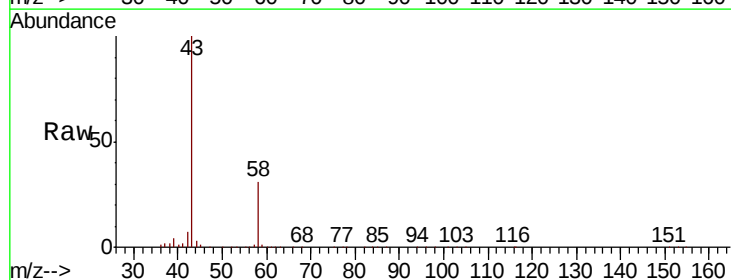
Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

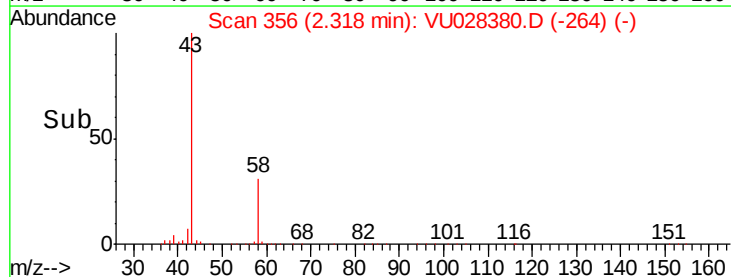
Tgt Ion: 43 Resp: 657439

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6

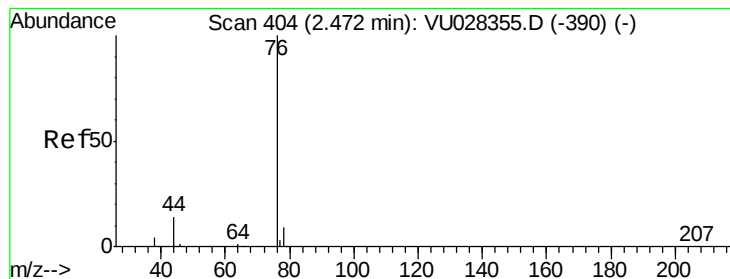


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#17

Carbon Disulfide

Concen: 46.373 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

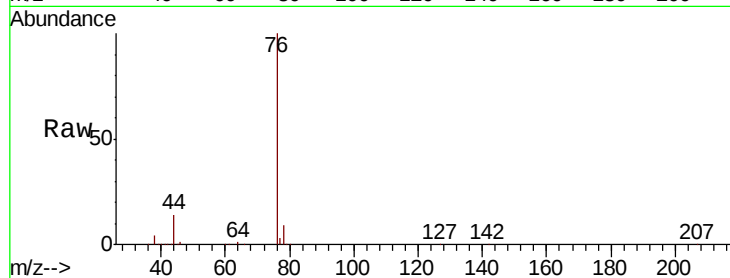
ClientSampleId :

Tot Ion: 76 Resp: 487633

Ion Ratio Lower Upper

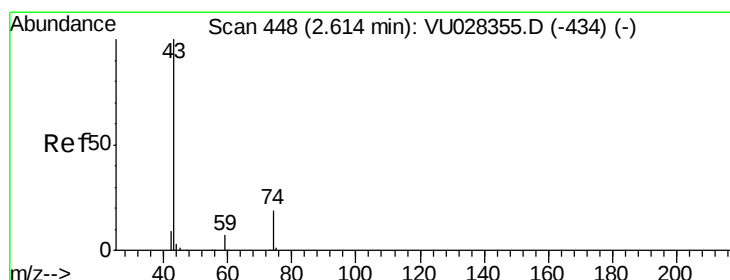
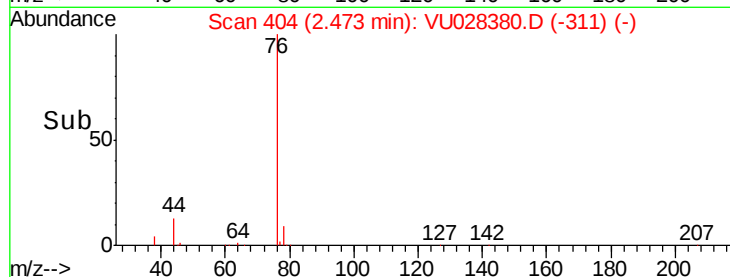
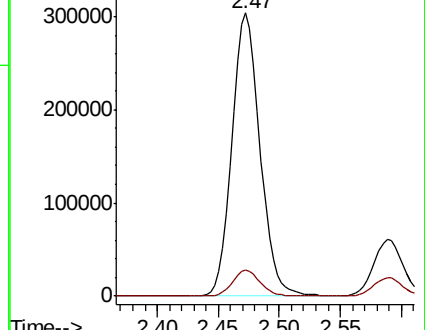
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU028355.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028380.D (-311) (-)



#18

Methyl Acetate

Concen: 49.032 ug/l

RT: 2.61 min Scan# 447

Delta R.T. -0.00 min

Lab File: VU028380.D

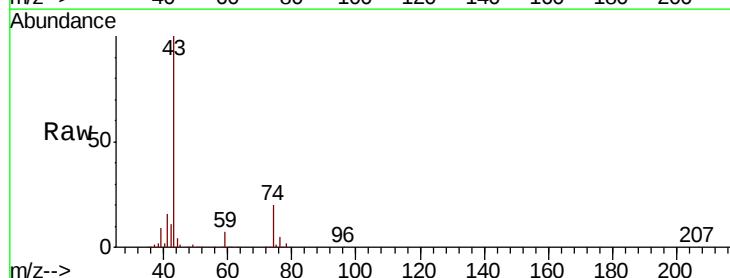
Acq: 29 Nov 2018 09:20

Tgt Ion: 43 Resp: 357912

Ion Ratio Lower Upper

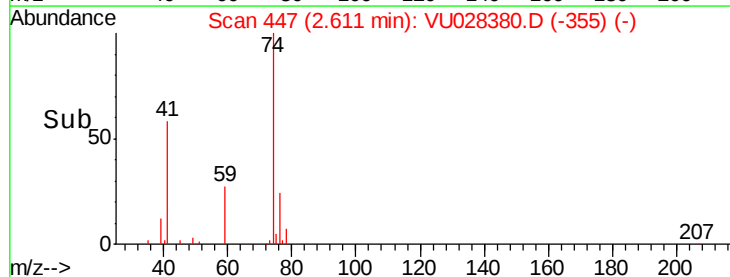
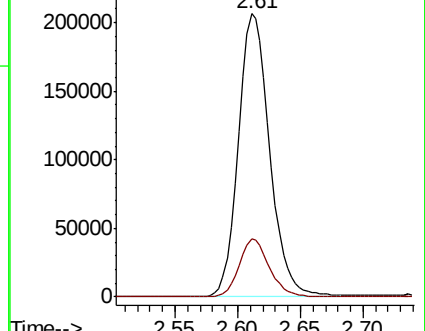
43 100

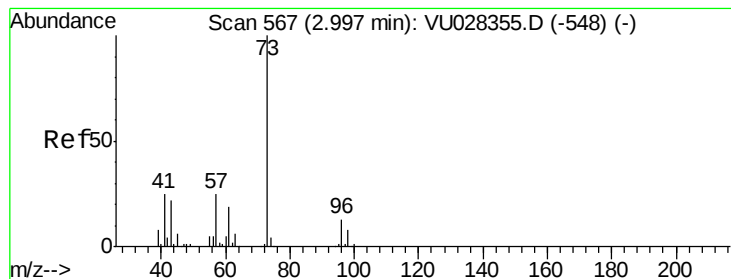
74 19.8 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028380.D (-355) (-)



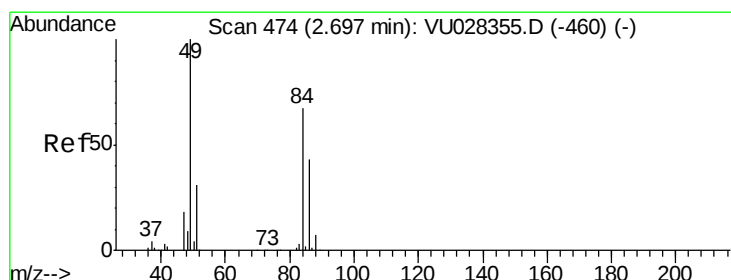
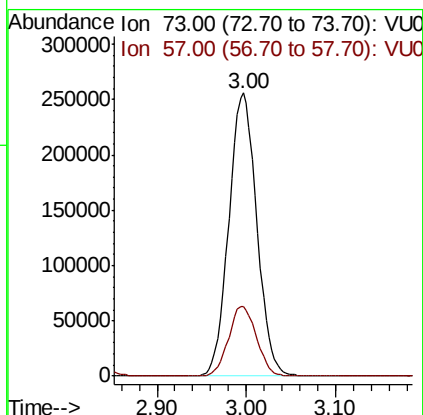
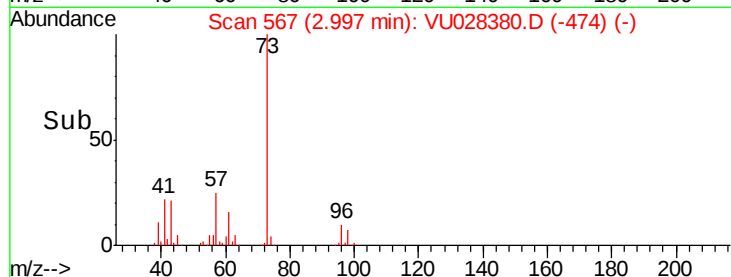
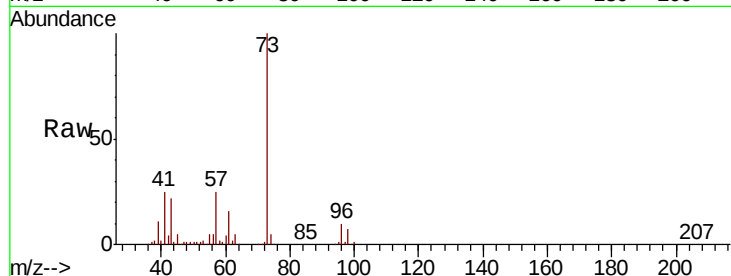


#19

Methyl tert-butyl Ether
 Concen: 49.357 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Instrument :
 MSVOA_U
 ClientSampled :

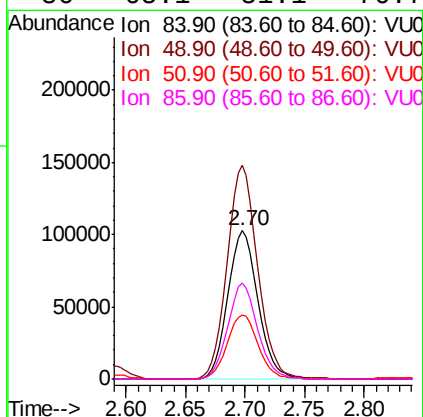
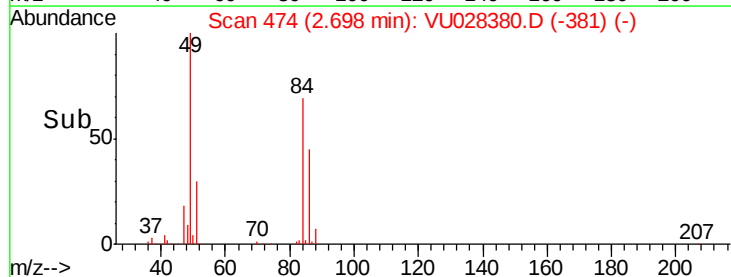
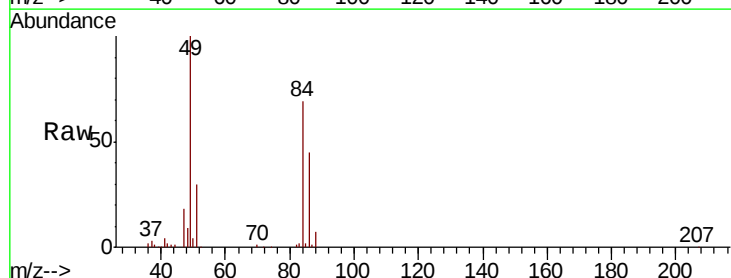
Tot Ion: 73 Resp: 554361
 Ion Ratio Lower Upper
 73 100
 57 24.6 20.1 30.1

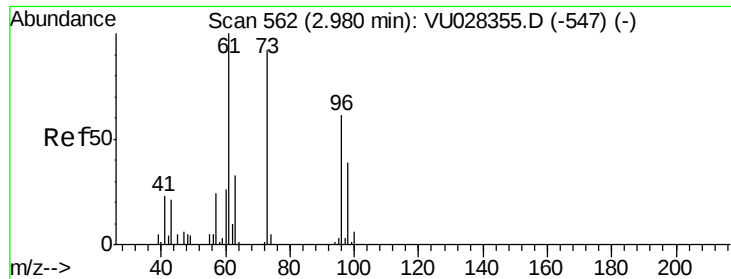


#20

Methylene Chloride
 Concen: 48.900 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion: 84 Resp: 180830
 Ion Ratio Lower Upper
 84 100
 49 144.4 120.0 180.0
 51 43.5 36.9 55.3
 86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.658 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampleId :

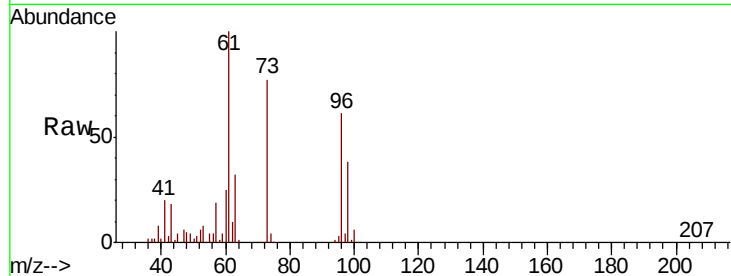
Tot Ion: 96 Resp: 157773

Ion Ratio Lower Upper

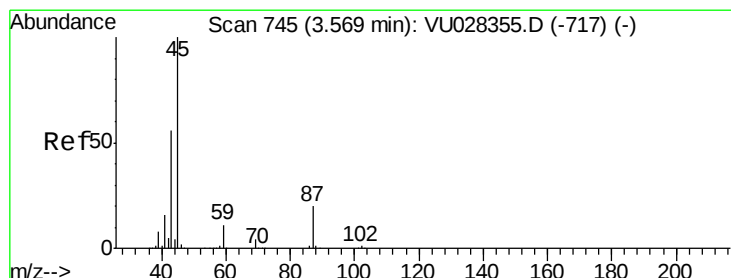
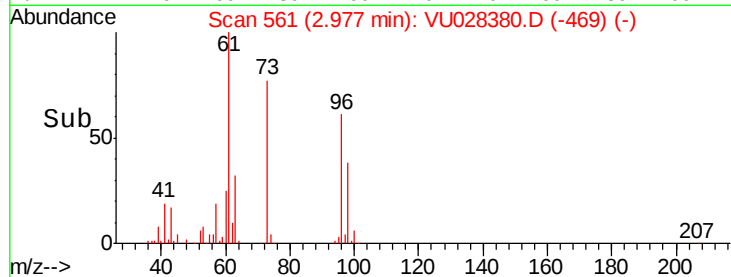
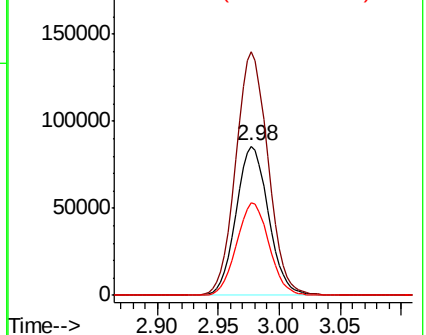
96 100

61 162.9 131.1 196.7

98 61.6 51.7 77.5



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: 49.990 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Tgt Ion: 45 Resp: 704459

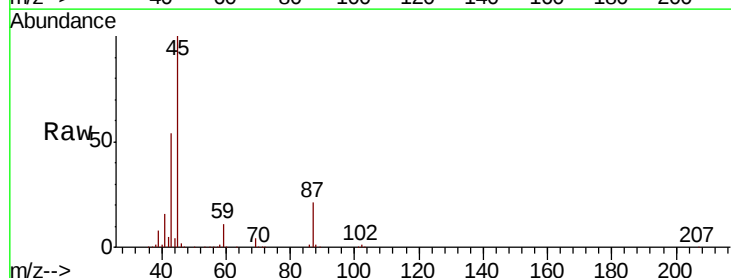
Ion Ratio Lower Upper

45 100

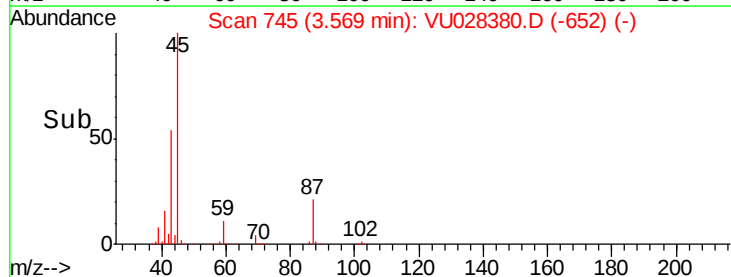
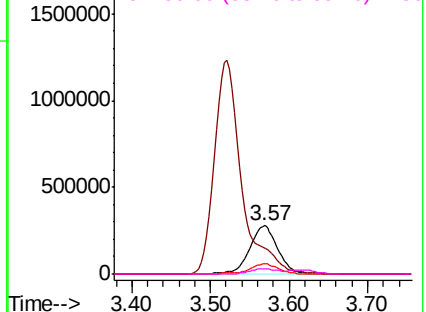
43 53.8 44.8 67.2

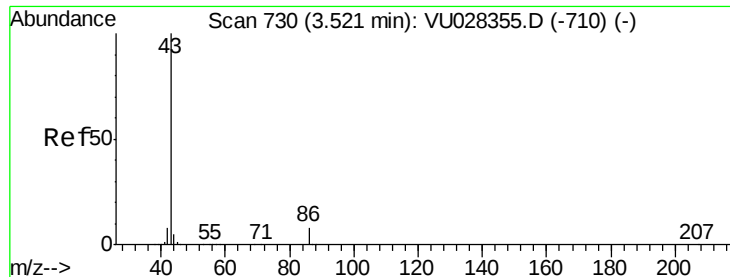
87 21.1 16.3 24.5

59 10.7 8.6 12.8



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: 250.767 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

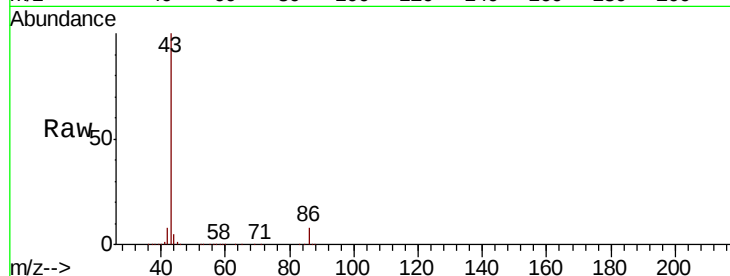
ClientSampled :

Tot Ion: 43 Resp: 2937350

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-710) (-)

Ion 86.00 (85.70 to 86.70): VU028355.D (-710) (-)

3.52

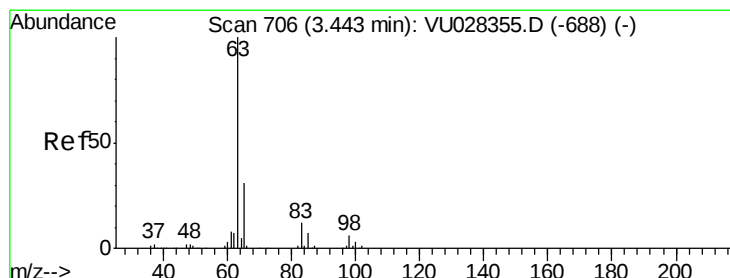
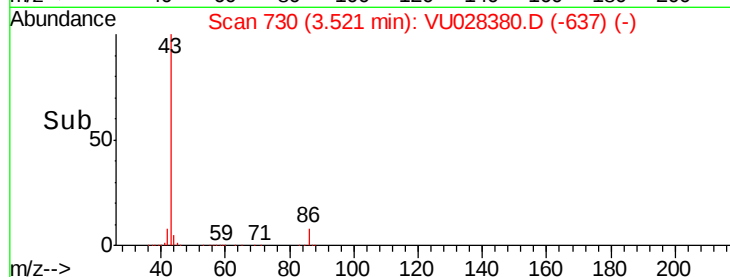
1000000

500000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 50.406 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

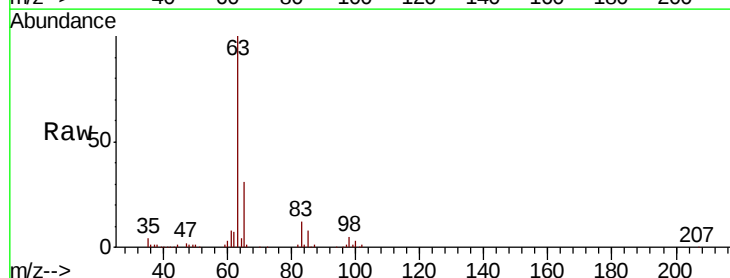
Tgt Ion: 63 Resp: 350212

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.4 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028355.D (-688) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-688) (-)

Ion 99.90 (99.60 to 100.60): VU028355.D (-688) (-)

200000

150000

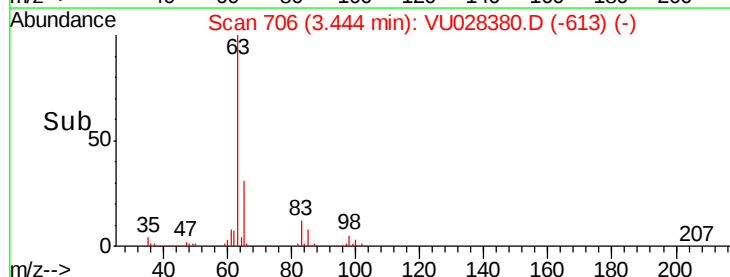
100000

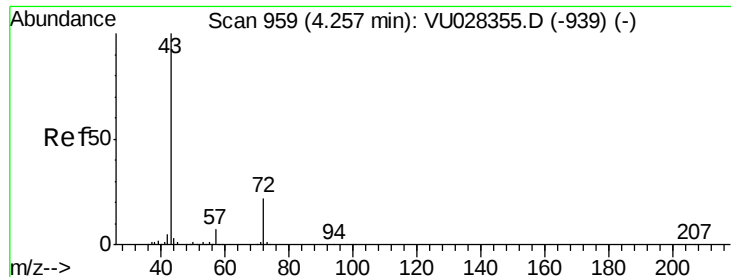
50000

0

Time-->

3.35 3.40 3.45 3.50 3.55





#25

2-Butanone

Concen: 250.611 ug/l

RT: 4.26 min Scan# 959

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

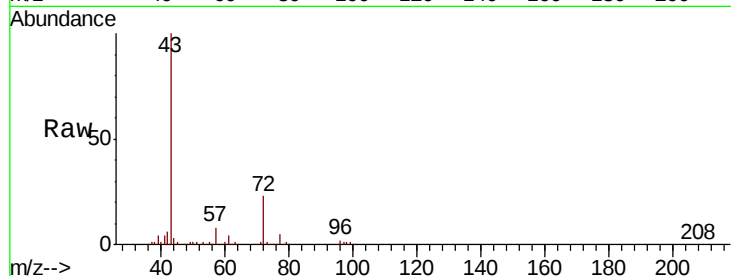
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 941636

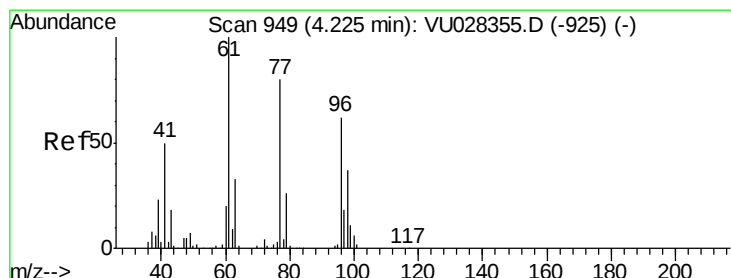
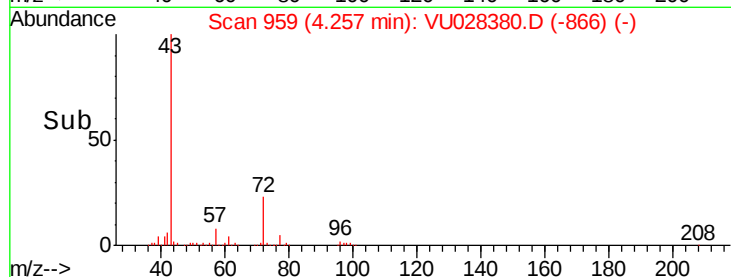
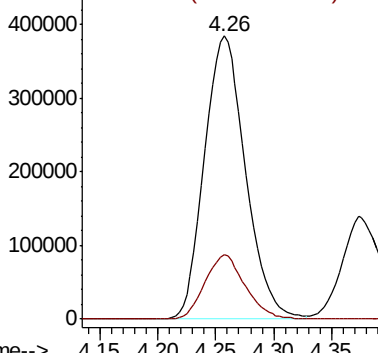
Ion Ratio Lower Upper

43 100

72 22.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 50.670 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028380.D

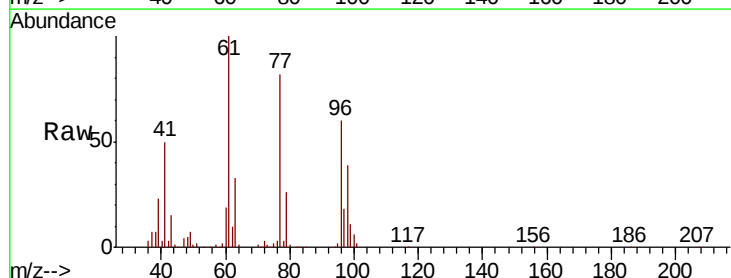
Acq: 29 Nov 2018 09:20

Tgt Ion: 77 Resp: 279590

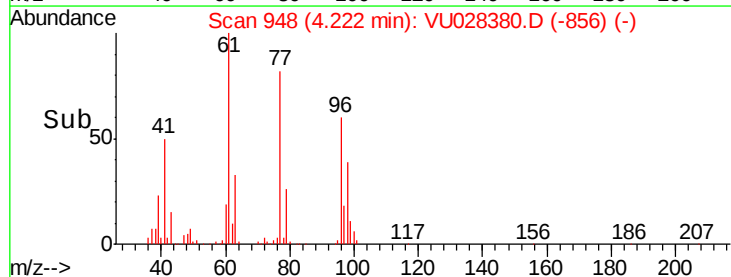
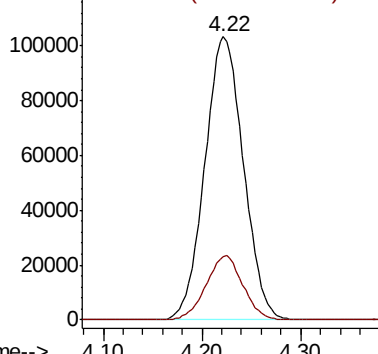
Ion Ratio Lower Upper

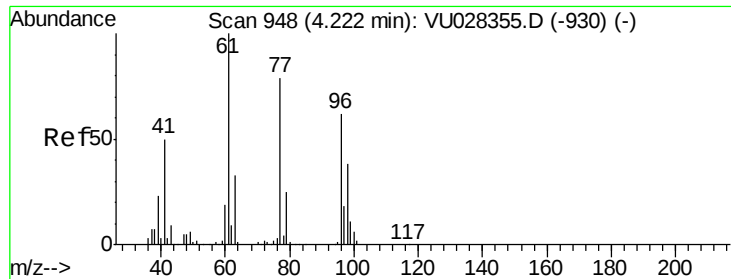
77 100

97 21.6 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0
Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 48.772 ug/l

RT: 4.22 min Scan# 948

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampled :

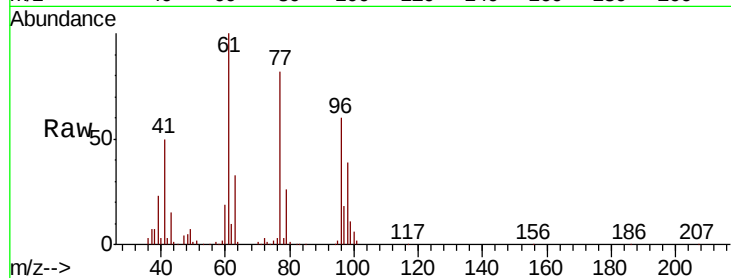
Tot Ion: 96 Resp: 183262

Ion Ratio Lower Upper

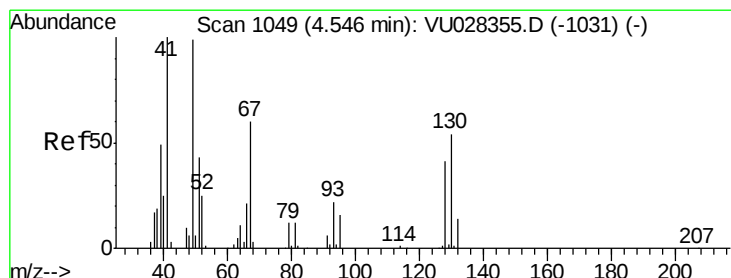
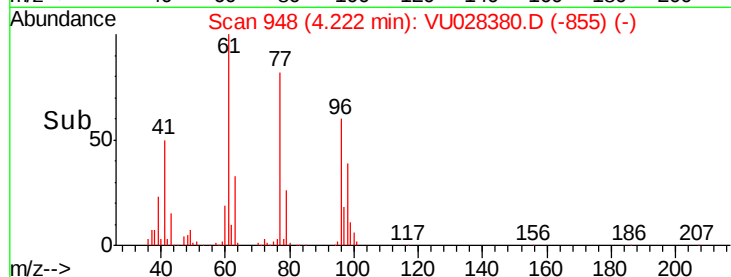
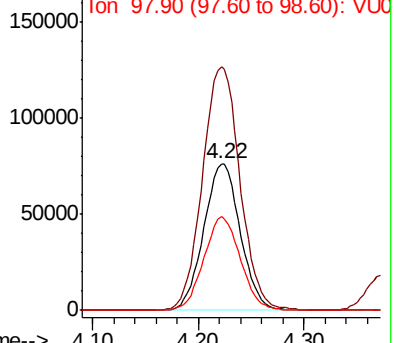
96 100

61 170.6 0.0 342.0

98 64.1 0.0 126.4



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: 50.319 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

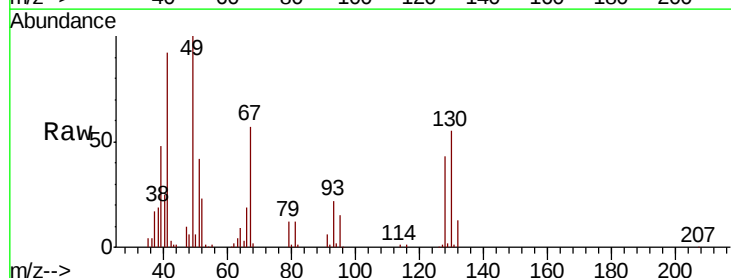
Tgt Ion: 49 Resp: 174811

Ion Ratio Lower Upper

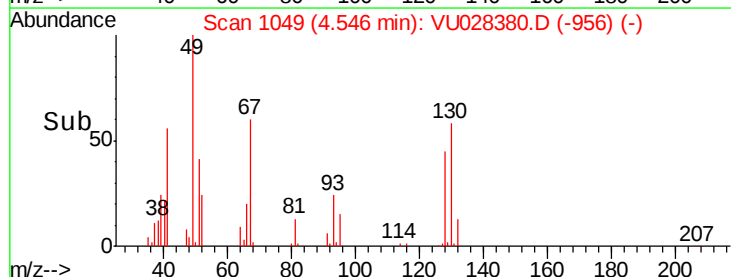
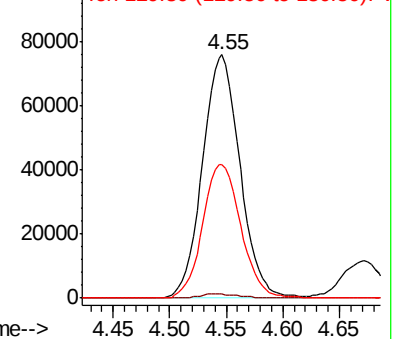
49 100

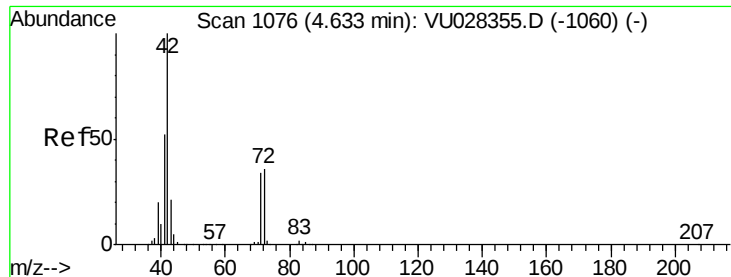
129 1.7 0.0 2.6

130 56.0 44.5 66.7



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

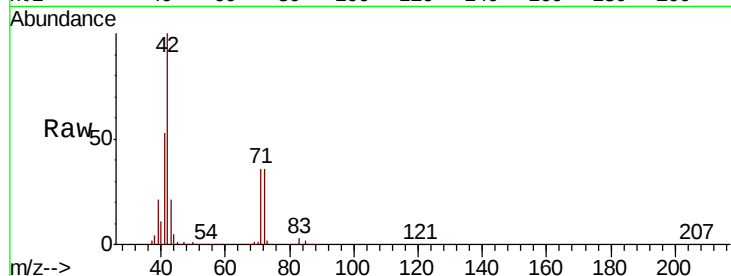




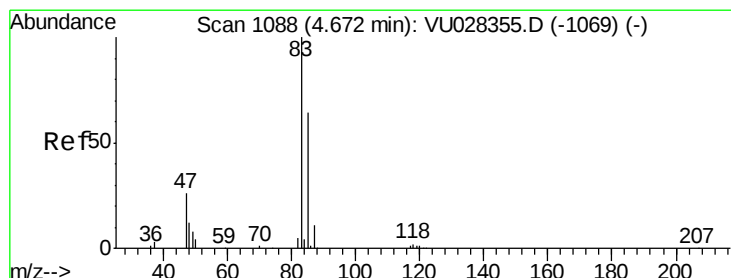
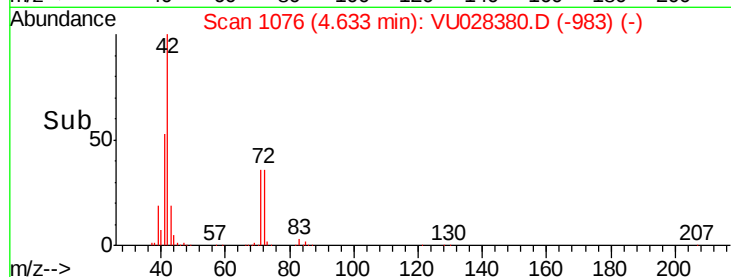
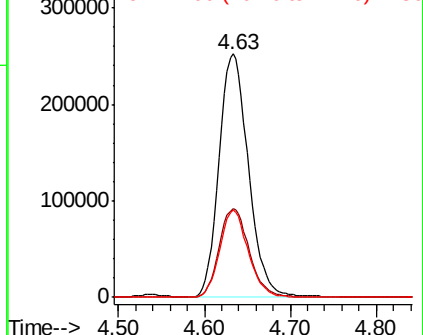
#29
Tetrahydrofuran
Concen: 245.338 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.5	44.3
71	35.0	27.7	41.5

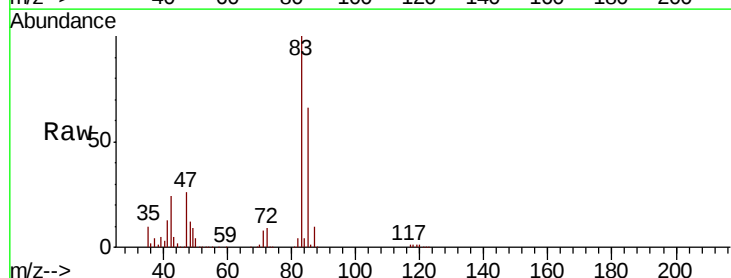


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

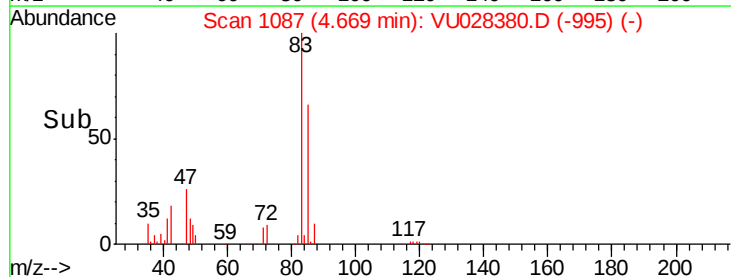
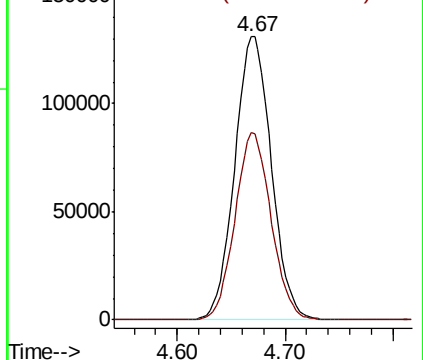


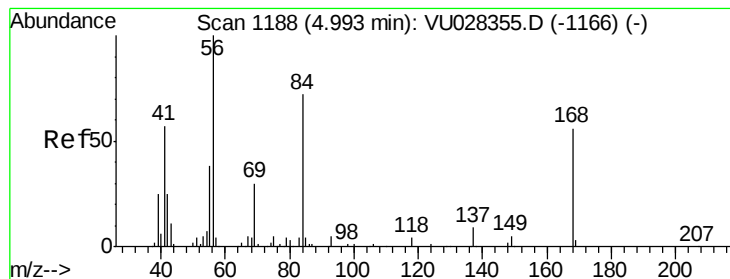
#30
Chloroform
Concen: 48.268 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.2	76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 48.509 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampled :

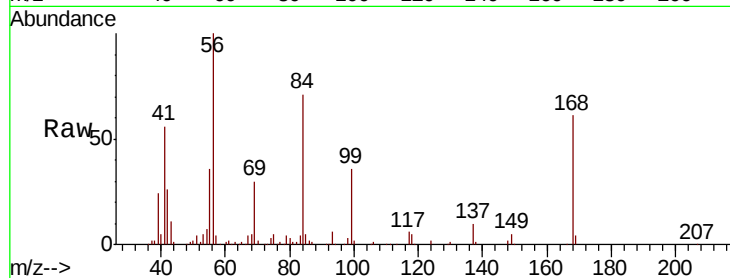
Tot Ion: 56 Resp: 346063

Ion Ratio Lower Upper

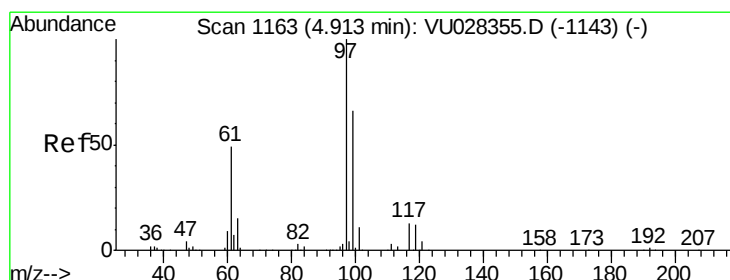
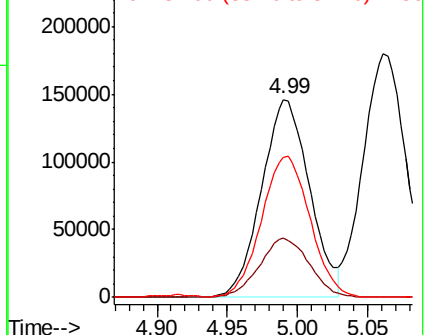
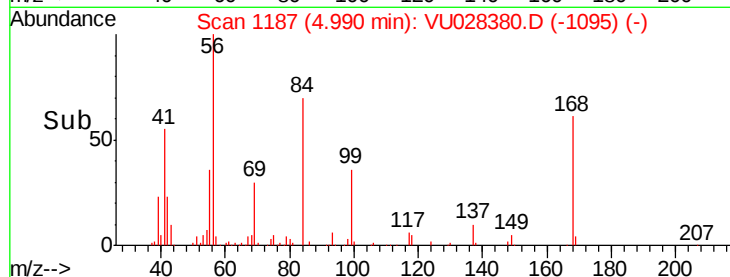
56 100

69 29.6 23.7 35.5

84 70.0 57.3 85.9



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: 49.489 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

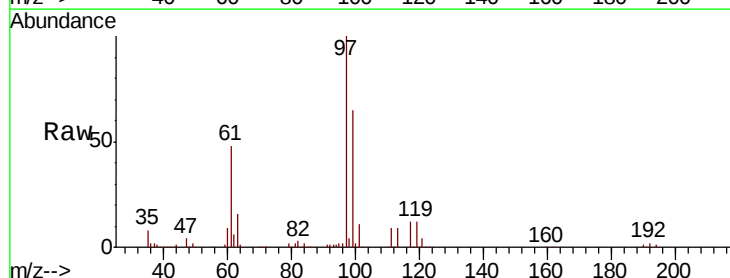
Tgt Ion: 97 Resp: 254669

Ion Ratio Lower Upper

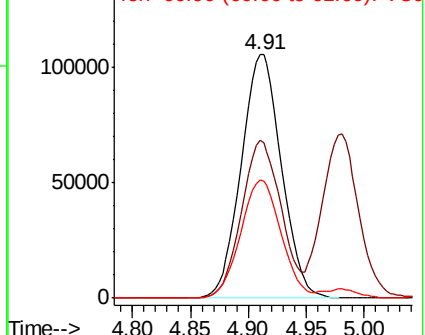
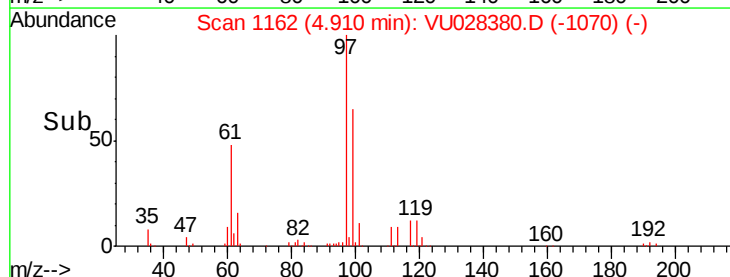
97 100

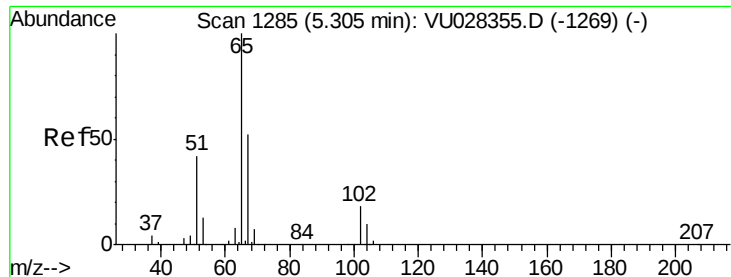
99 63.5 50.8 76.2

61 48.9 39.1 58.7



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: 48.189 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

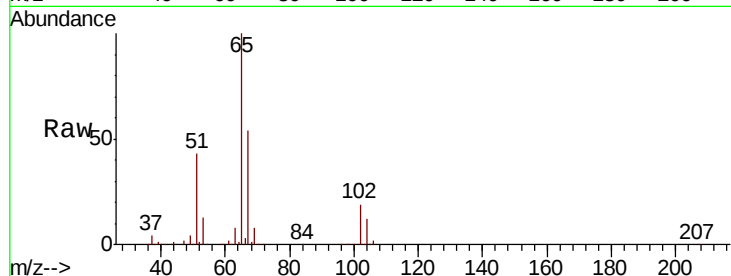
ClientSampled :

Tot Ion: 65 Resp: 206527

Ion Ratio Lower Upper

65 100

67 55.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

100000

80000

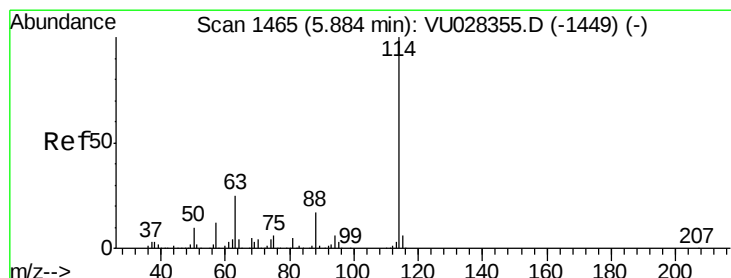
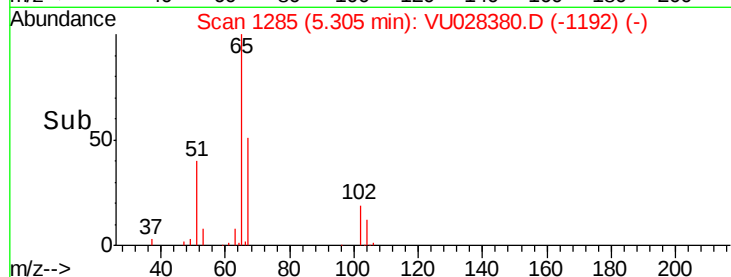
60000

40000

20000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

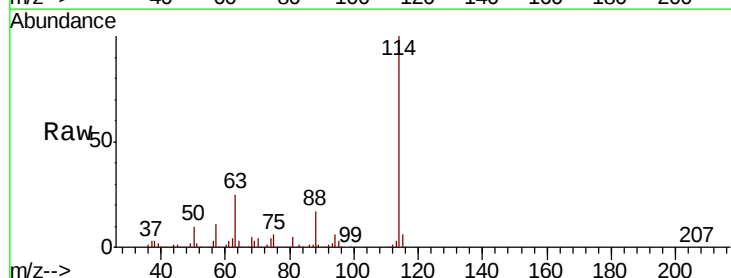
Tgt Ion: 114 Resp: 443433

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.0

88 16.9 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

300000

250000

200000

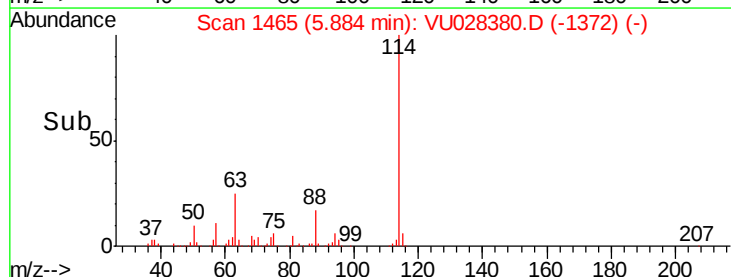
150000

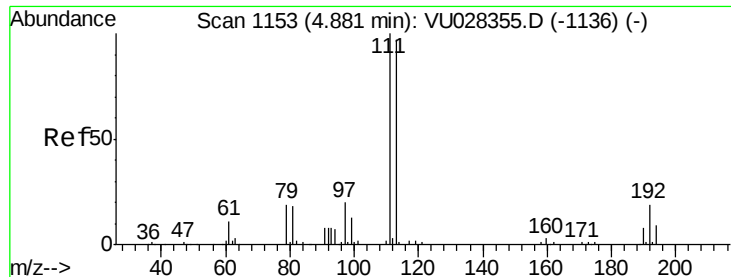
100000

50000

0

Time--> 5.80 5.90 6.00

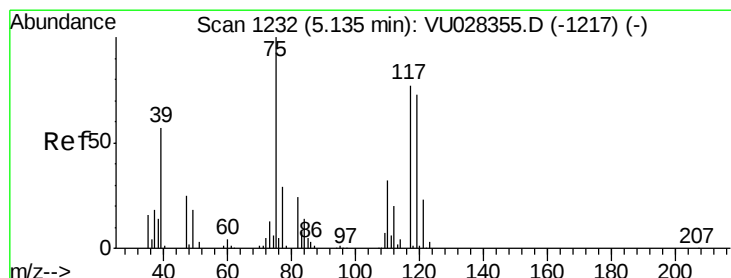
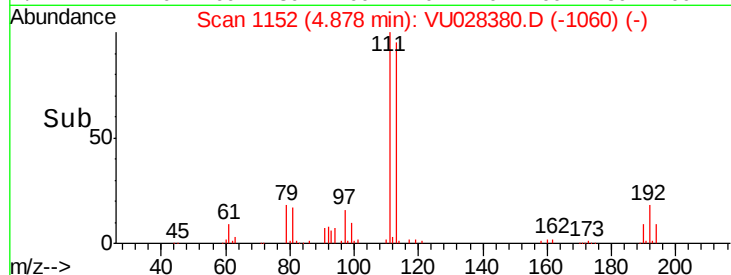
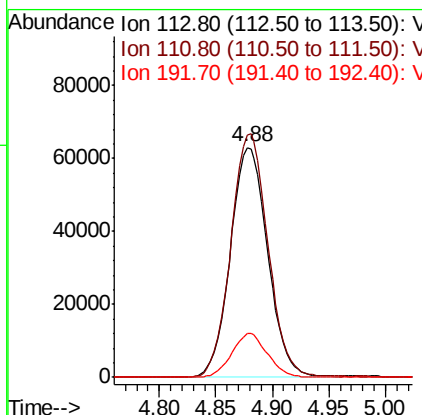
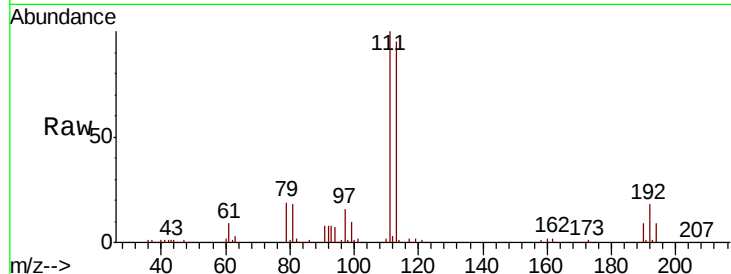




#35
 Dibromofluoromethane
 Concen: 49.171 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

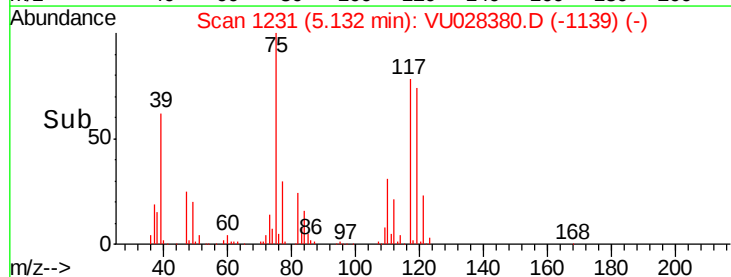
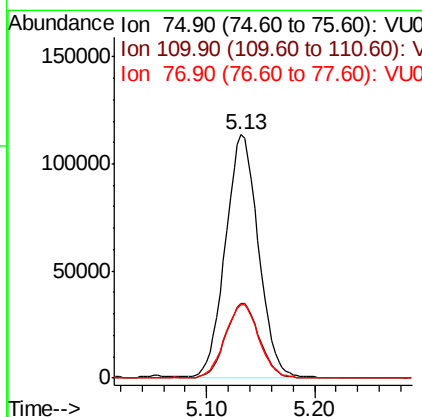
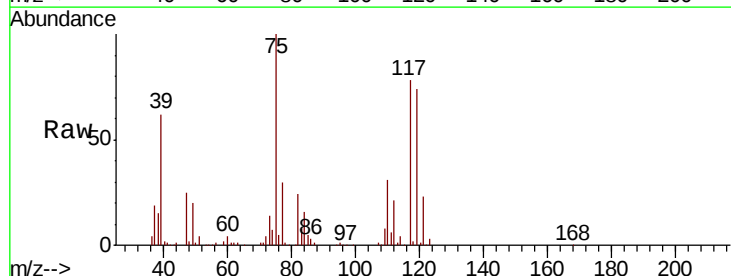
Instrument :
 MSVOA_U
 ClientSampleId :

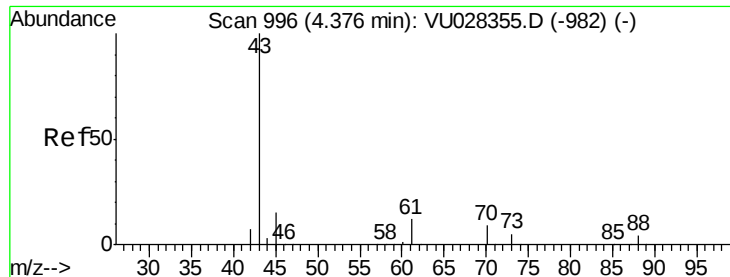
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.9	124.3
192	18.3	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 49.784 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.8	47.4
77	31.4	24.6	36.8

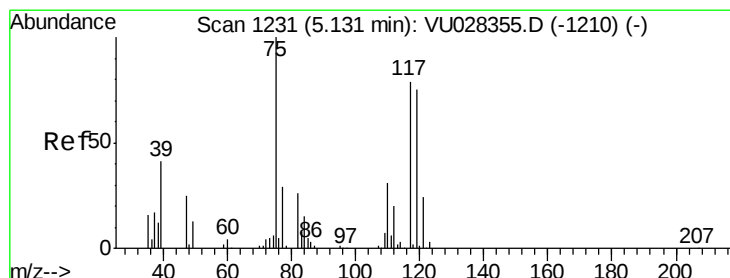
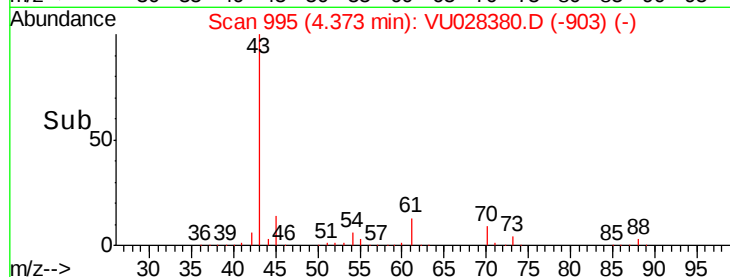
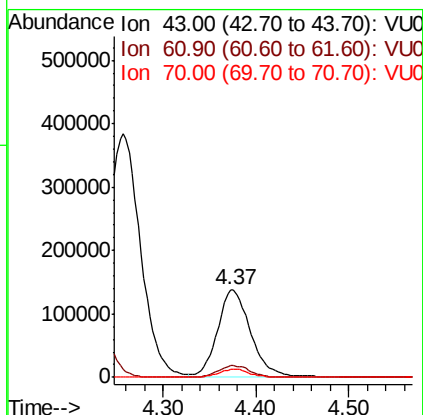
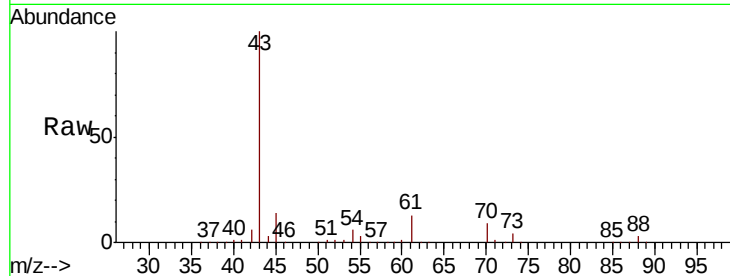




#37
Ethyl Acetate
Concen: 51.121 ug/l
RT: 4.37 min Scan# 995
Delta R.T. -0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

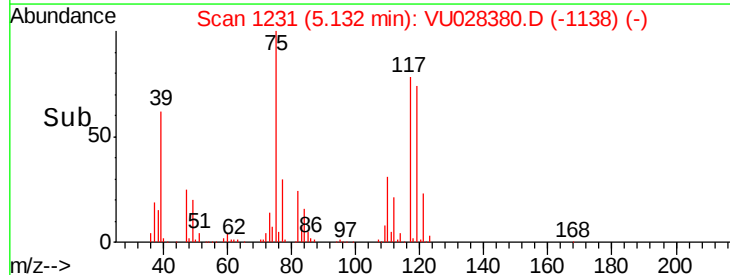
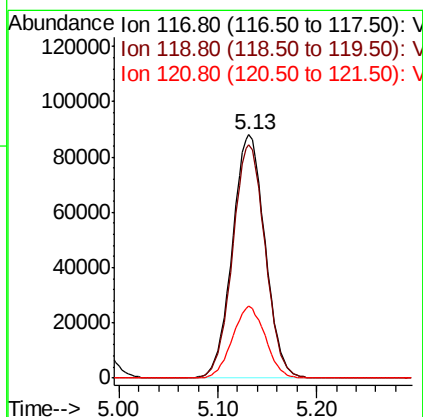
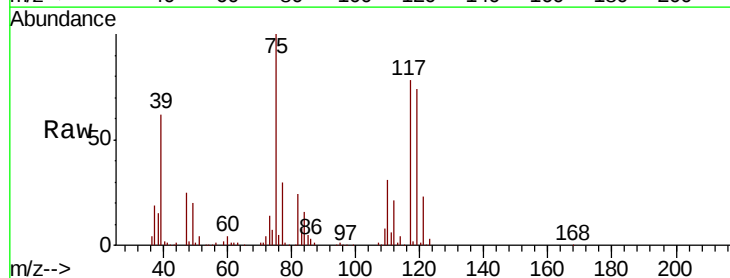
Instrument :
MSVOA_U
ClientSampled :

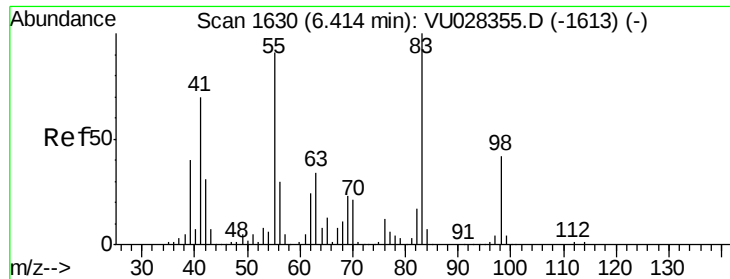
Tot Ion: 43 Resp: 338050
Ion Ratio Lower Upper
43 100
61 12.7 10.2 15.4
70 8.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 50.913 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 117 Resp: 202875
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 29.5 24.7 37.1

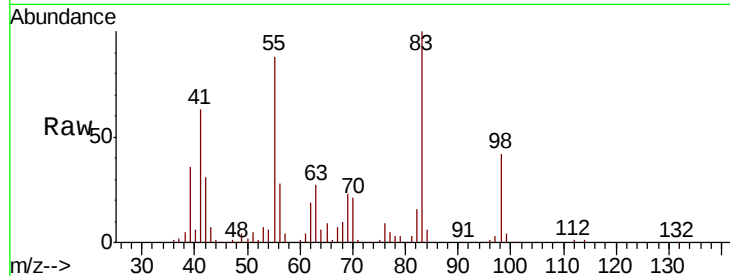




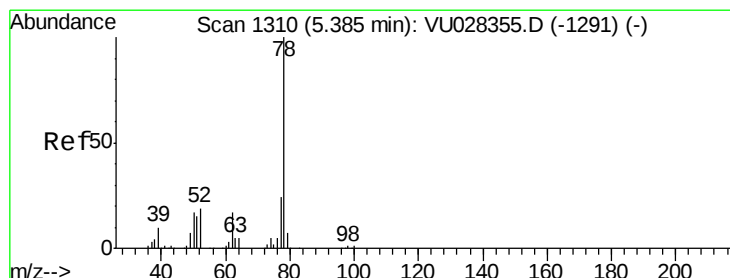
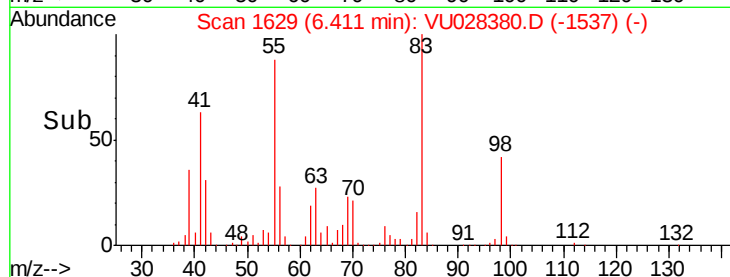
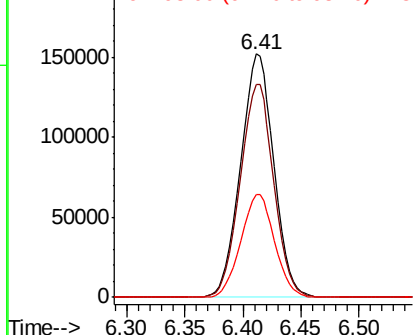
#39
Methvlcvclohexane
Concen: 52.834 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 302265
Ion Ratio Lower Upper
83 100
55 87.6 73.1 109.7
98 42.0 33.9 50.9

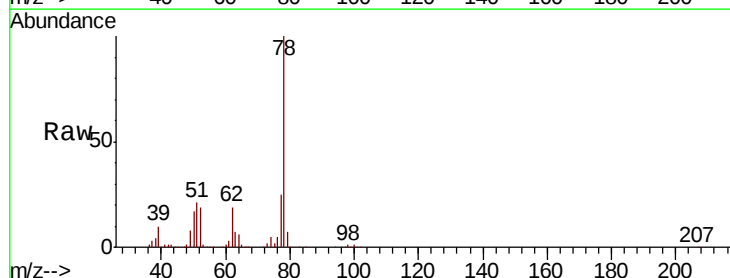


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

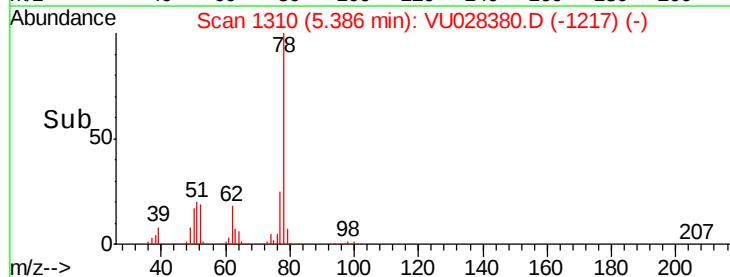
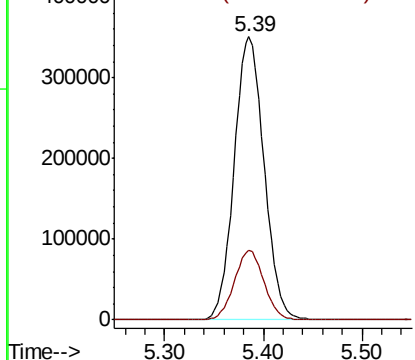


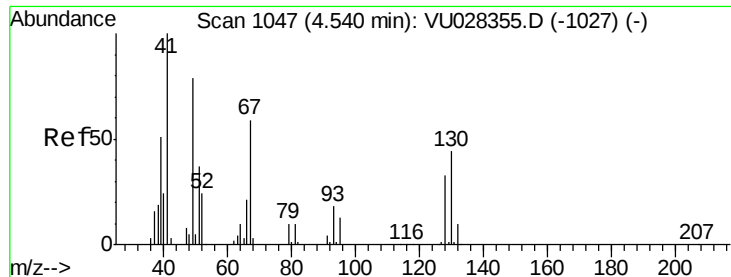
#40
Benzene
Concen: 51.402 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 78 Resp: 738738
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6



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

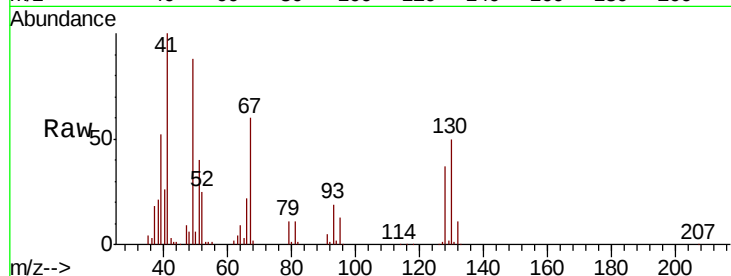




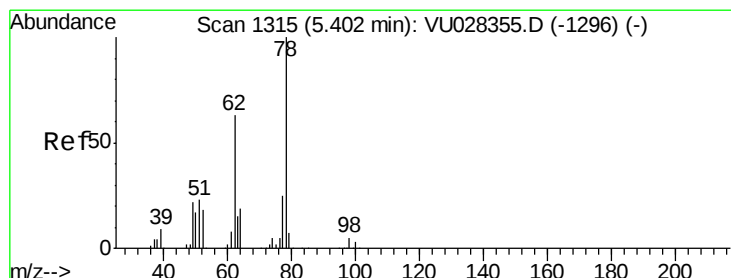
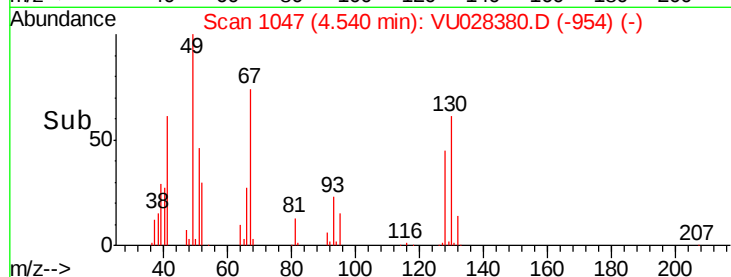
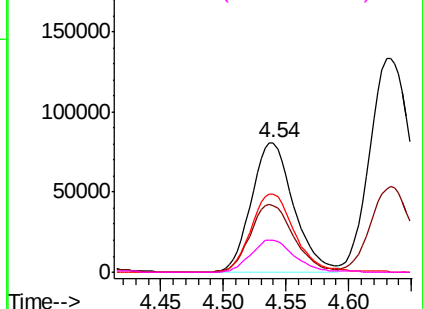
#41
Methacrylonitrile
Concen: 51.690 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	189824
Ion	Ratio	Lower	Upper
41	100		
39	53.3	41.3	61.9
67	62.1	48.6	73.0
52	25.2	19.4	29.0

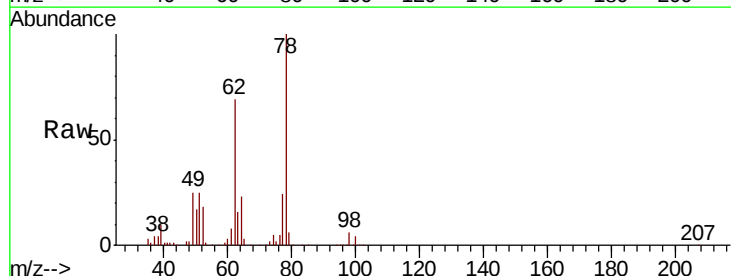


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

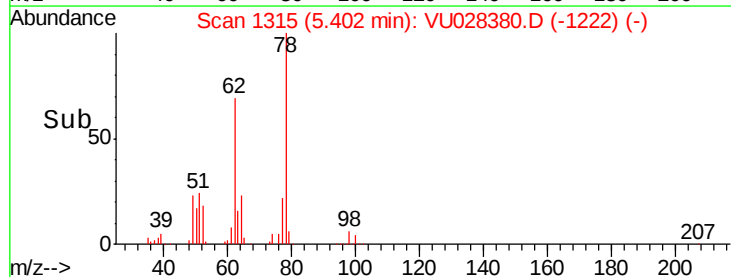
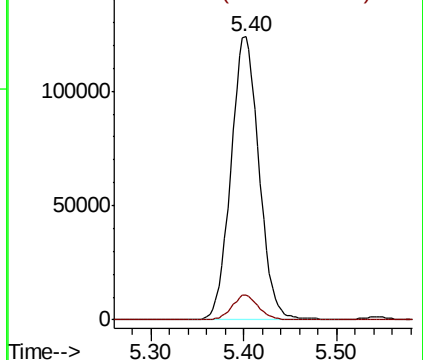


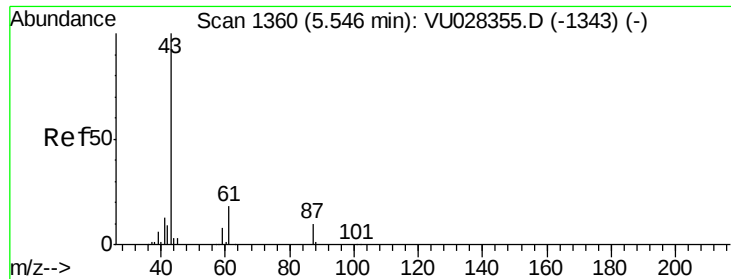
#42
1,2-Dichloroethane
Concen: 50.294 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion:	62	Resp:	260393
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 51.515 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampleId :

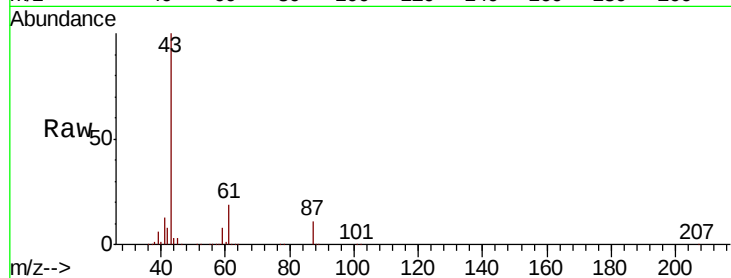
Tot Ion: 43 Resp: 539820

Ion Ratio Lower Upper

43 100

61 18.7 14.5 21.7

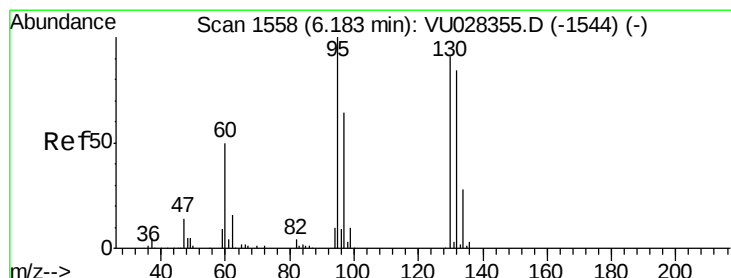
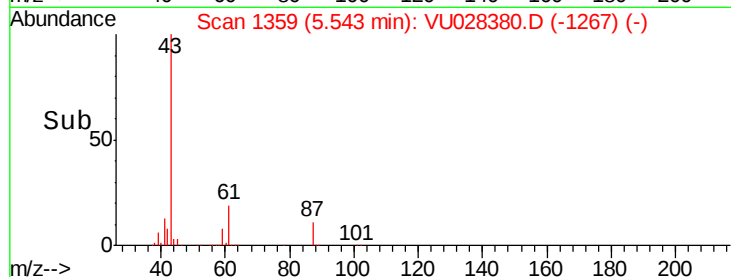
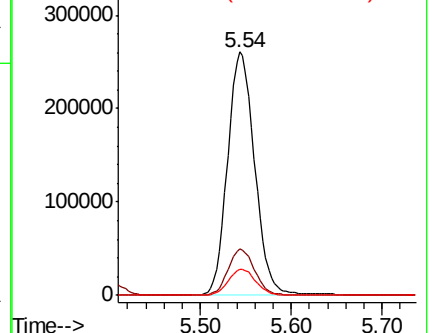
87 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU028355.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-1343) (-)



#44

Trichloroethene

Concen: 51.136 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028380.D

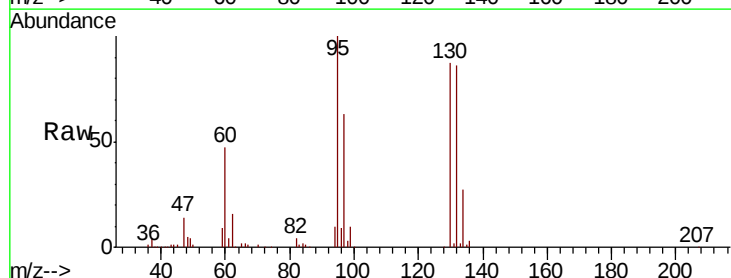
Acq: 29 Nov 2018 09:20

Tgt Ion:130 Resp: 157530

Ion Ratio Lower Upper

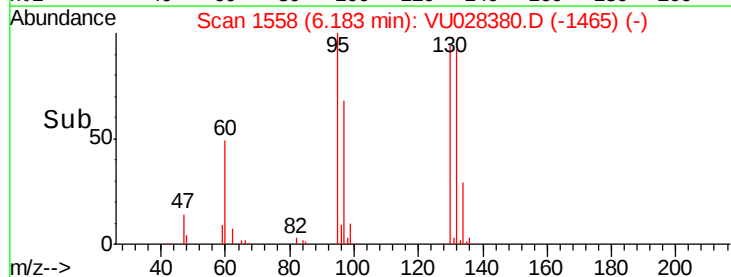
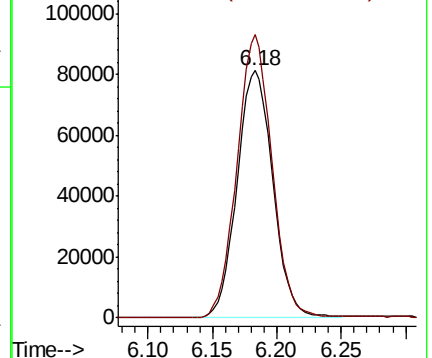
130 100

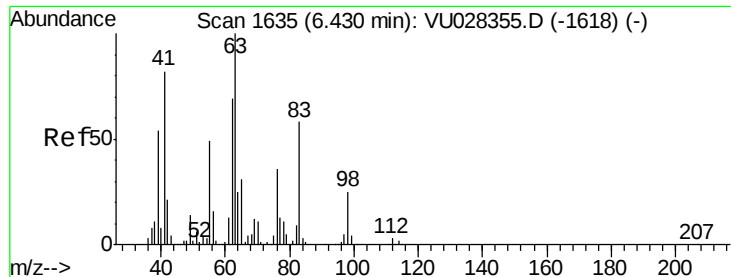
95 114.5 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): VU028355.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028355.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 50.892 ug/l

RT: 6.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

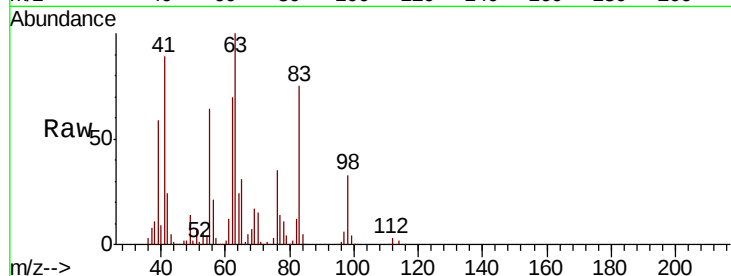
ClientSampleId :

Tot Ion: 63 Resp: 214185

Ion Ratio Lower Upper

63 100

65 30.8 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

120000

100000

80000

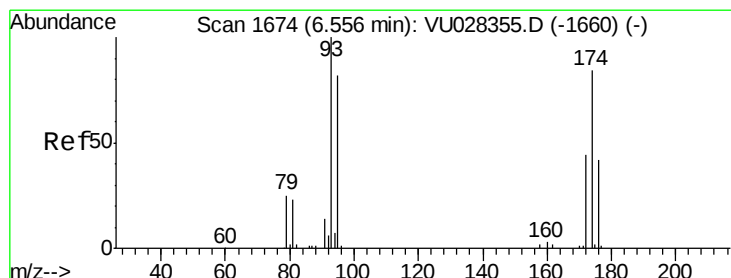
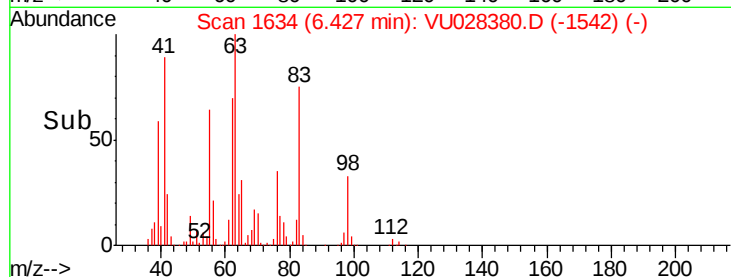
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.054 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

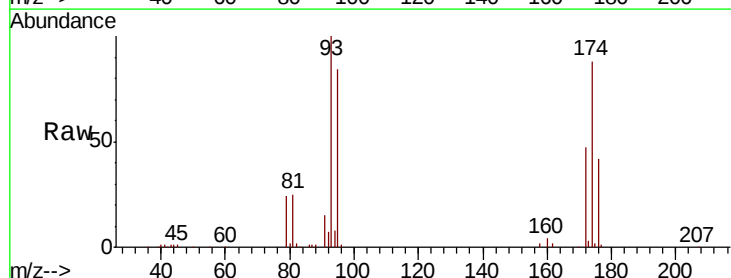
Tgt Ion: 93 Resp: 123420

Ion Ratio Lower Upper

93 100

95 82.8 65.1 97.7

174 87.7 69.9 104.9



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

80000

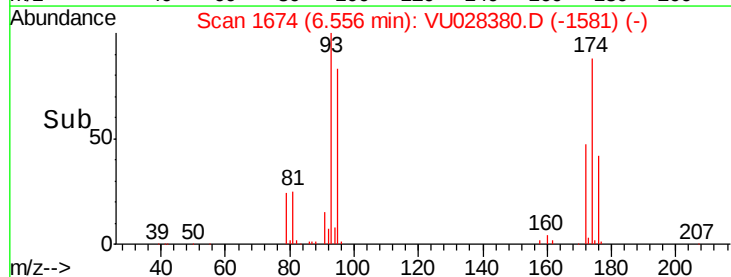
60000

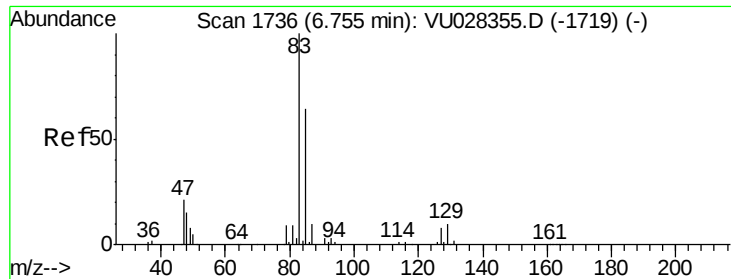
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.226 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampleId :

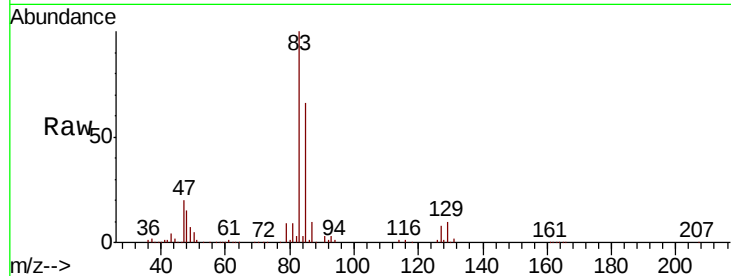
Tot Ion: 83 Resp: 241506

Ion Ratio Lower Upper

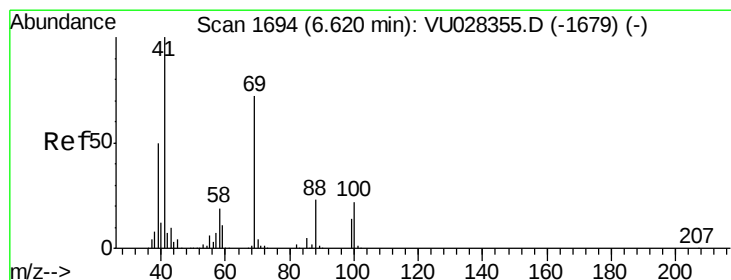
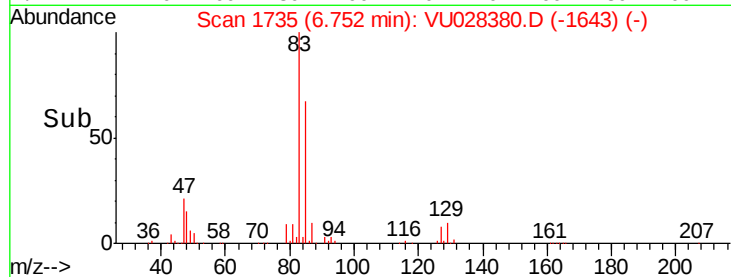
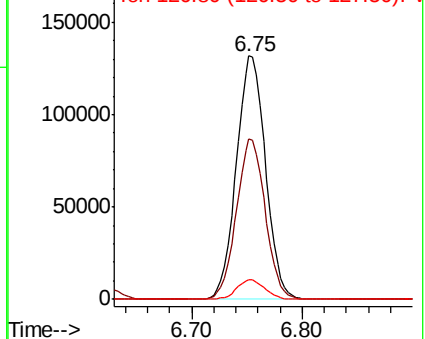
83 100

85 66.1 50.9 76.3

127 8.0 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: 50.864 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

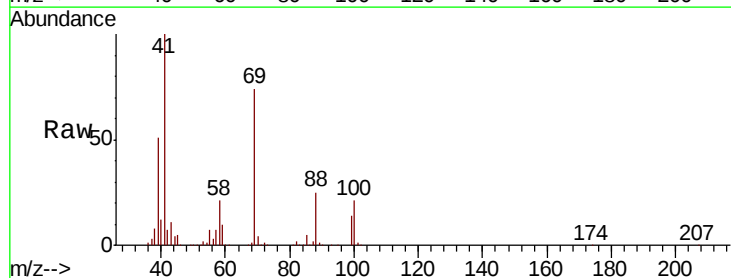
Tgt Ion: 41 Resp: 277639

Ion Ratio Lower Upper

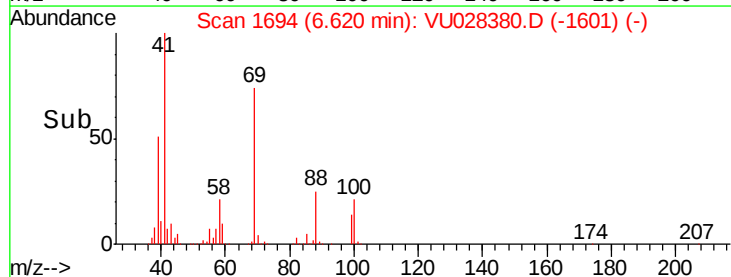
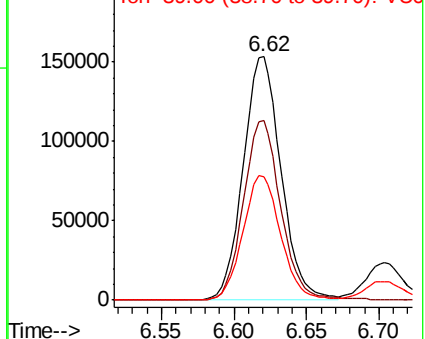
41 100

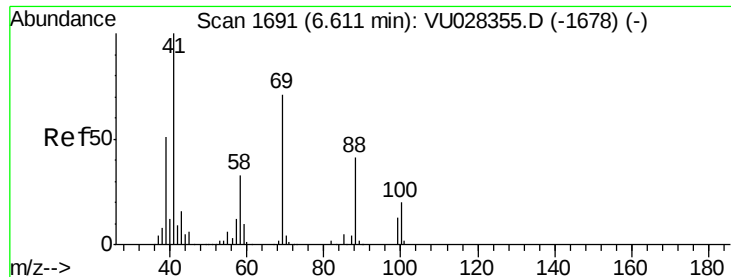
69 73.0 59.0 88.4

39 51.1 40.5 60.7



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

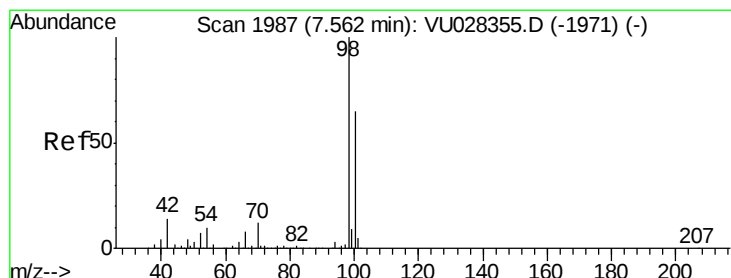
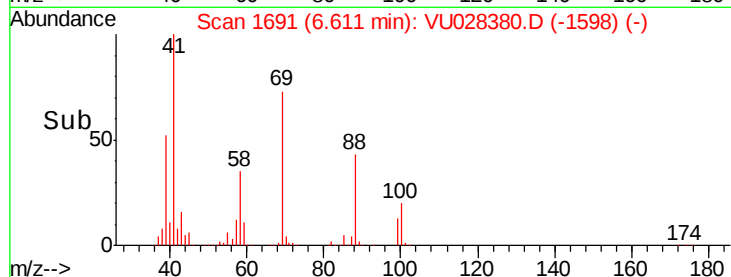
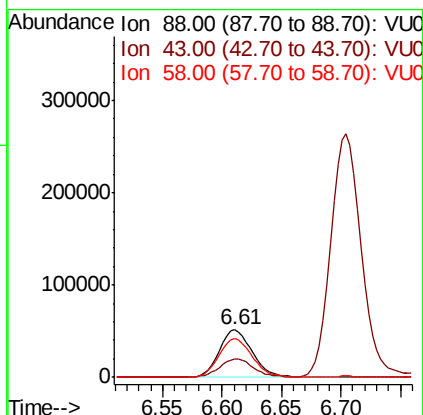
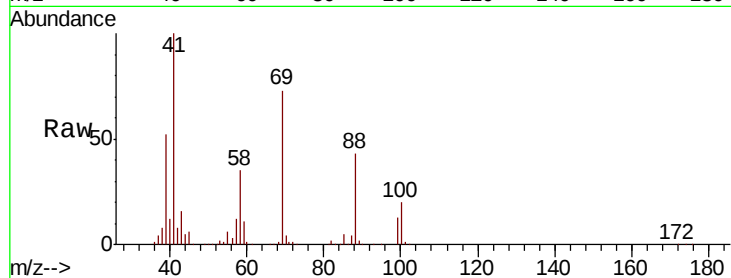




#49
1,4-Dioxane
Concen: 1127.988 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

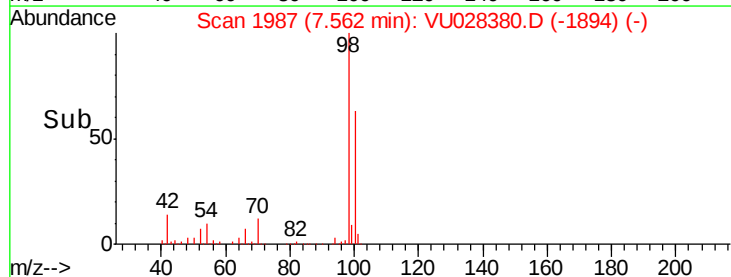
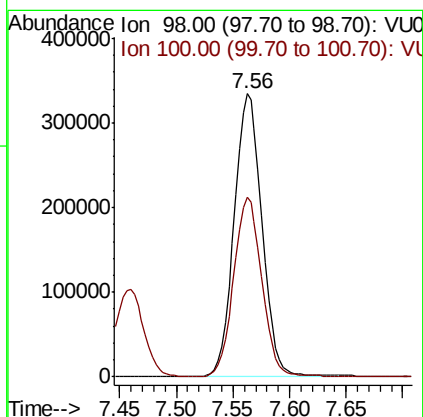
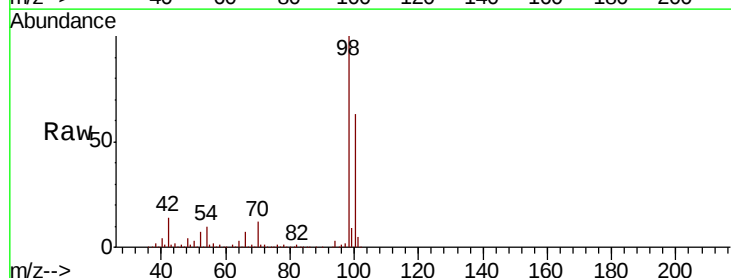
Instrument :
MSVOA_U
ClientSampleId :

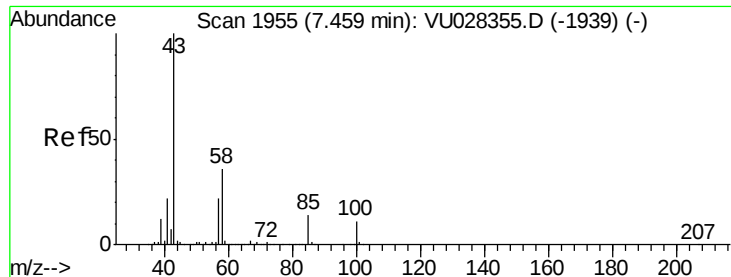
Tot Ion: 88 Resp: 98361
Ion Ratio Lower Upper
88 100
43 38.8 32.6 48.8
58 83.1 68.7 103.1



#50
Toluene-d8
Concen: 48.735 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 98 Resp: 574704
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 252.576 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

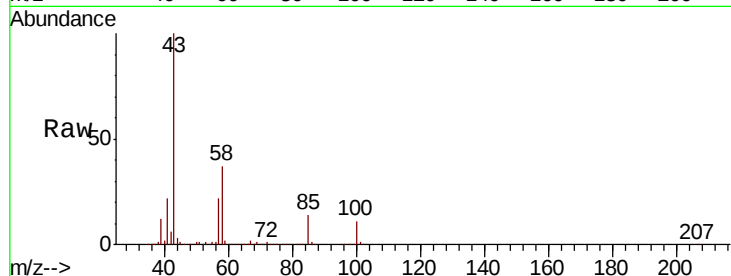
ClientSampled :

Tot Ion: 43 Resp: 1690422

Ion Ratio Lower Upper

43 100

58 36.8 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028355.D (-1939) (-)

7.46

1000000

800000

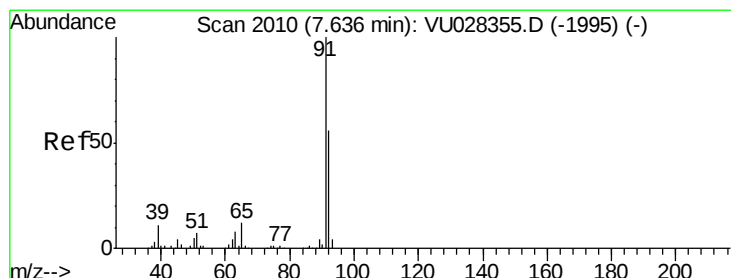
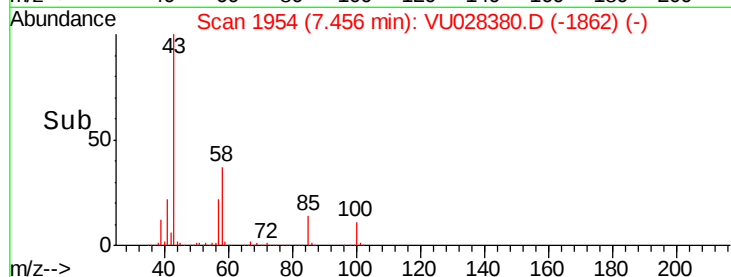
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.640 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028380.D

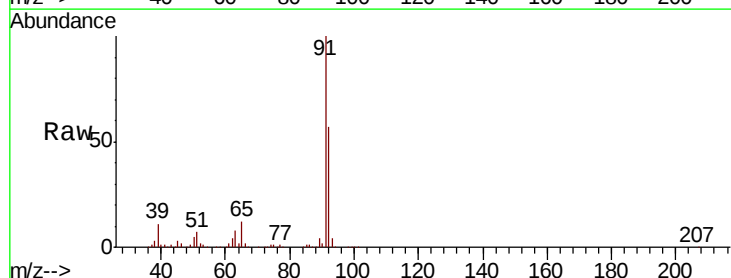
Acq: 29 Nov 2018 09:20

Tgt Ion: 92 Resp: 427369

Ion Ratio Lower Upper

92 100

91 178.4 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)

500000

400000

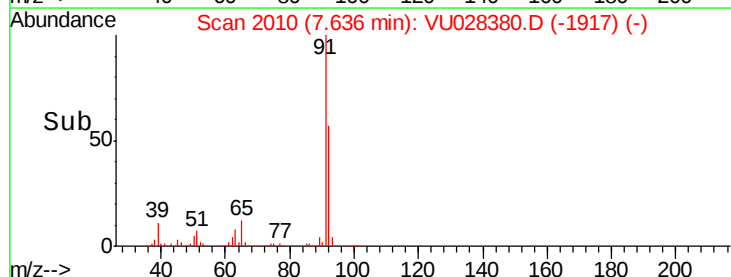
300000

200000

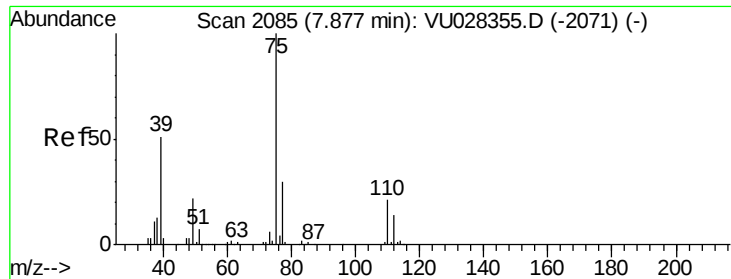
100000

0

Time-->



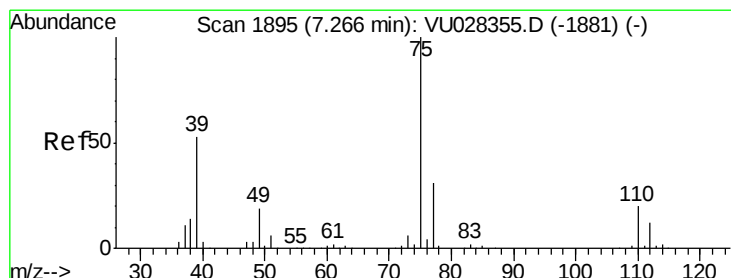
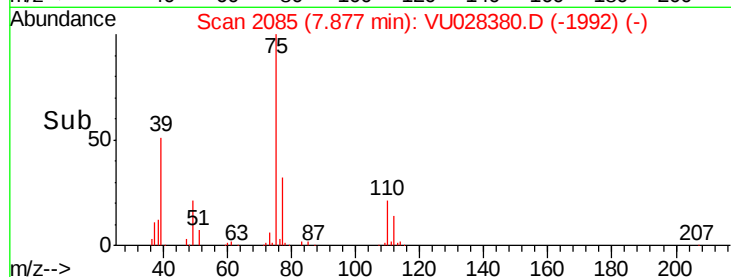
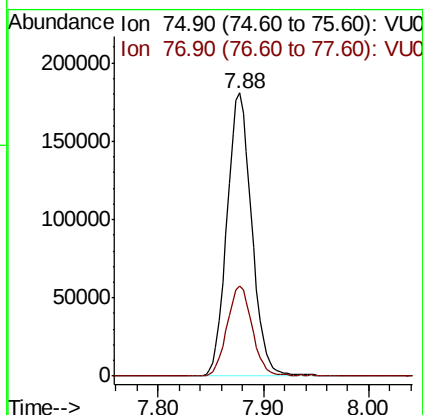
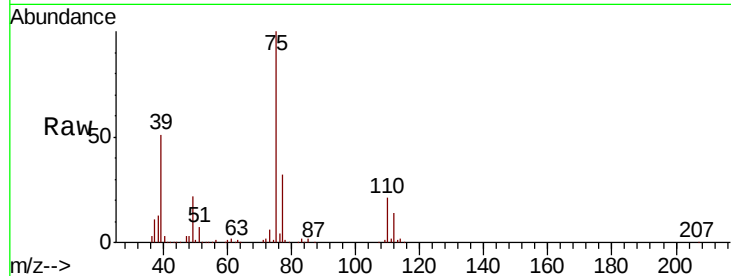
7.64



#53
t-1,3-Dichloropropene
Concen: 51.063 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

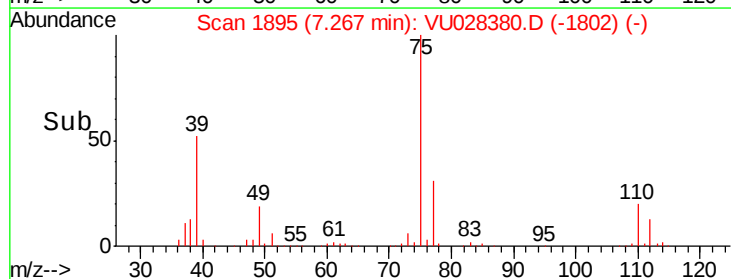
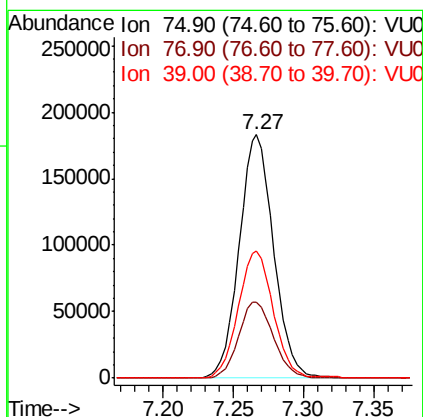
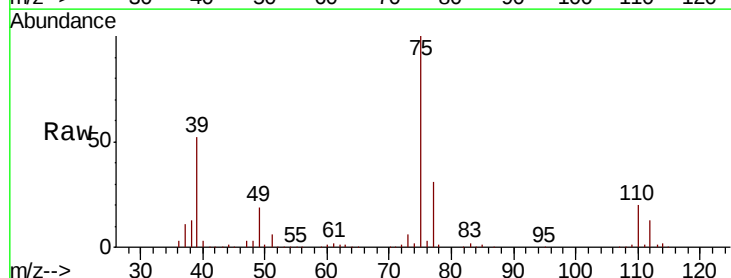
Instrument :
MSVOA_U
ClientSampleId :

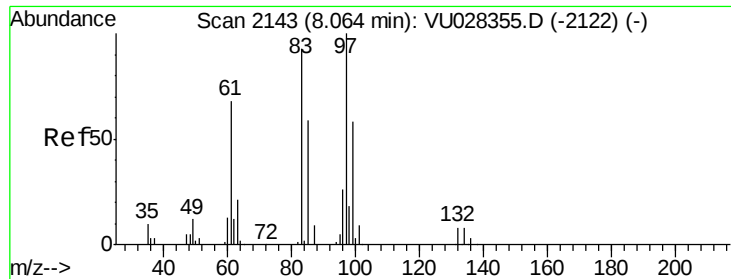
Tot Ion: 75 Resp: 293600
Ion Ratio Lower Upper
75 100
77 31.9 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 50.711 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 75 Resp: 312369
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3
39 52.3 42.6 64.0



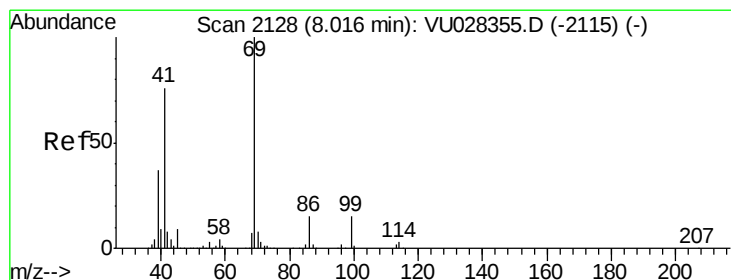
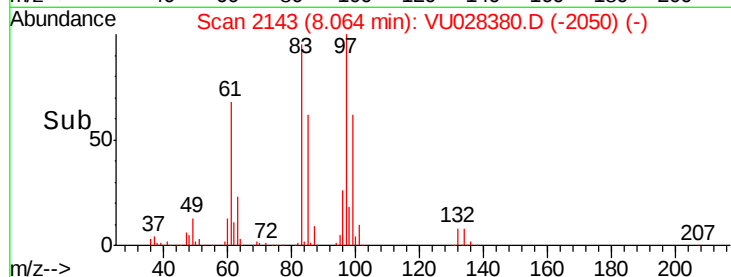
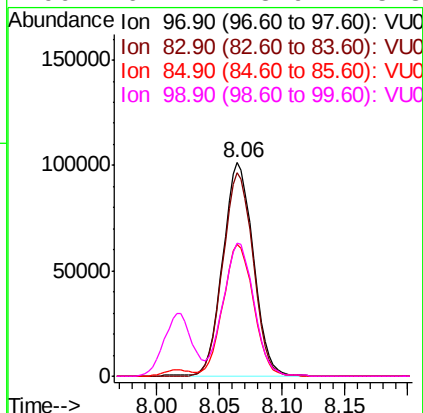
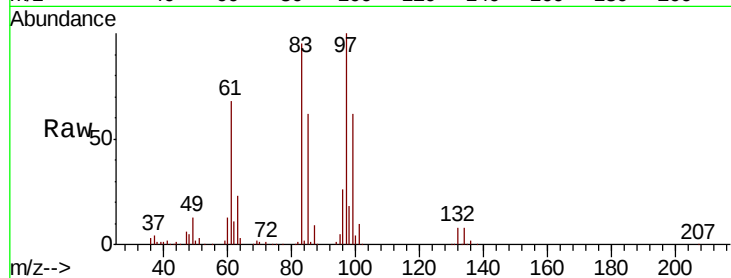


#55
 1,1,2-Trichloroethane
 Concen: 49.482 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 170430

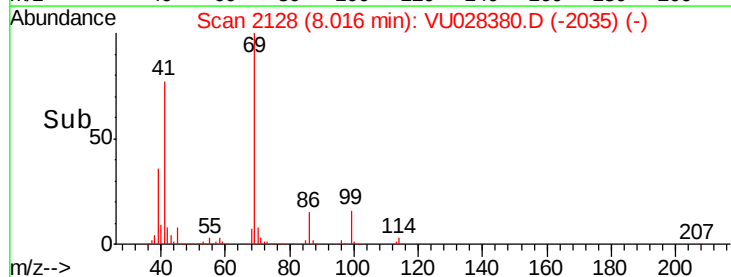
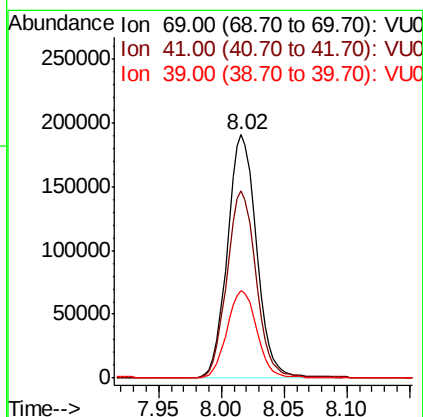
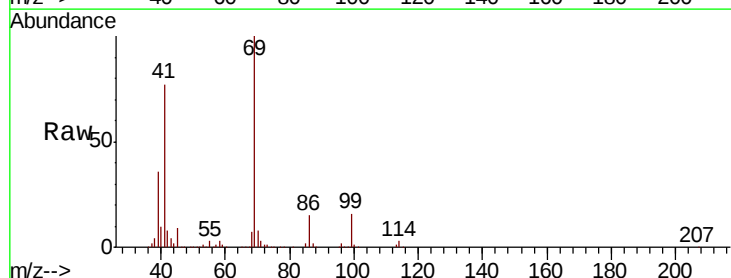
Ion	Ratio	Lower	Upper
97	100		
83	95.0	74.3	111.5
85	61.5	47.2	70.8
99	62.1	48.9	73.3

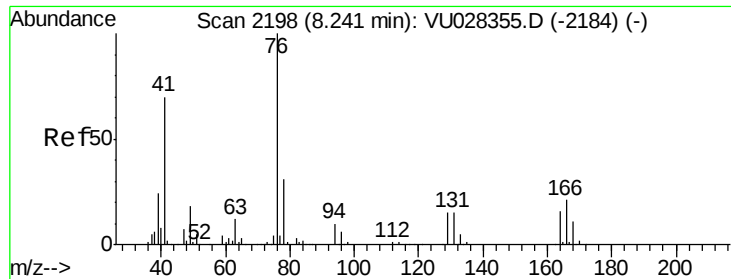


#56
 Ethyl methacrylate
 Concen: 52.640 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion: 69 Resp: 308448

Ion	Ratio	Lower	Upper
69	100		
41	77.4	60.0	90.0
39	36.5	29.0	43.6





#57

1,3-Dichloropropane

Concen: 50.962 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

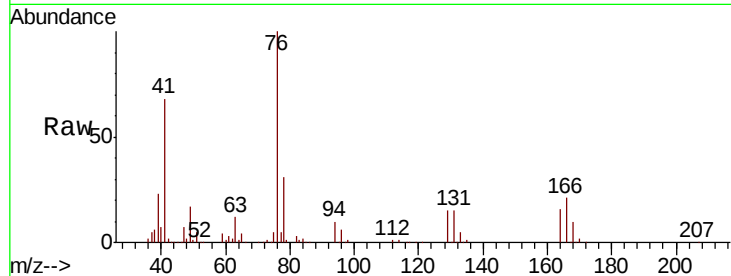
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 321895

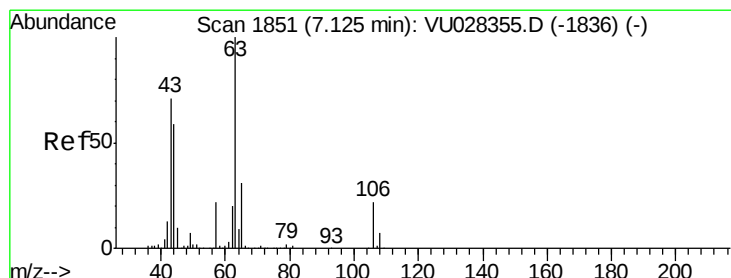
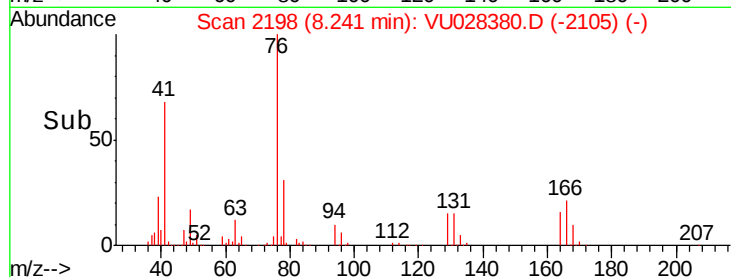
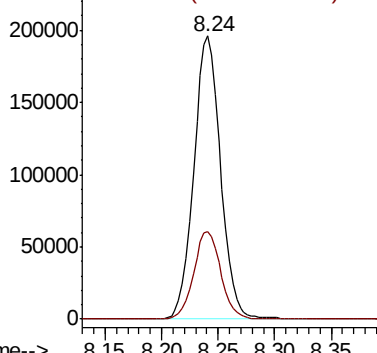
Ion Ratio Lower Upper

76 100

78 31.2 25.4 38.0



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: 257.249 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028380.D

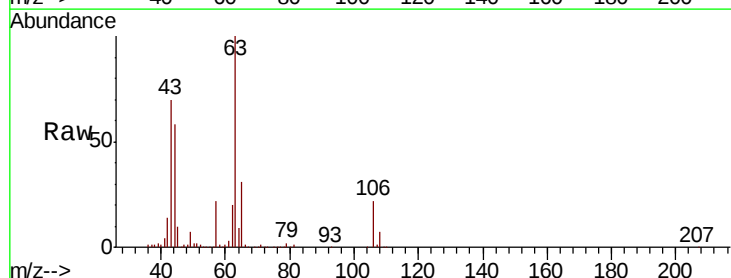
Acq: 29 Nov 2018 09:20

Tgt Ion: 63 Resp: 809284

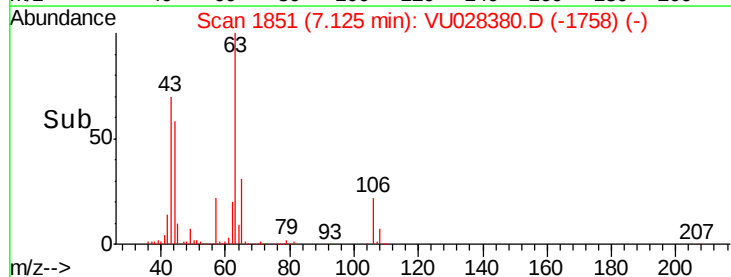
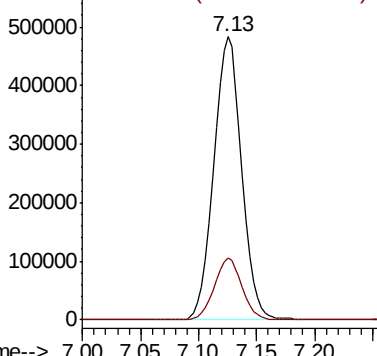
Ion Ratio Lower Upper

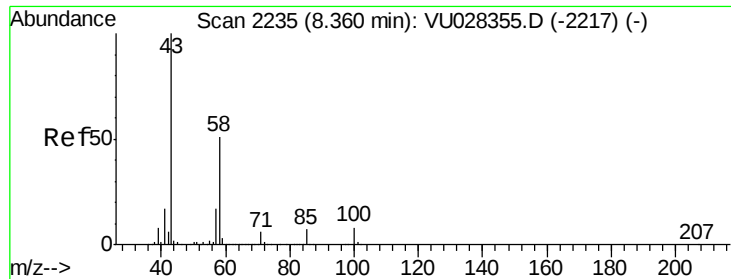
63 100

106 21.6 17.3 25.9



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

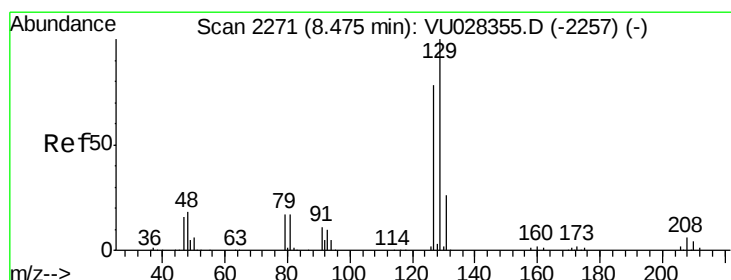
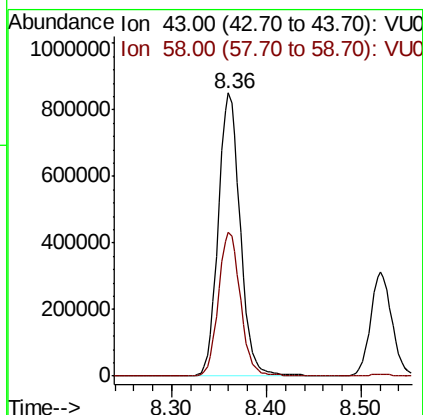
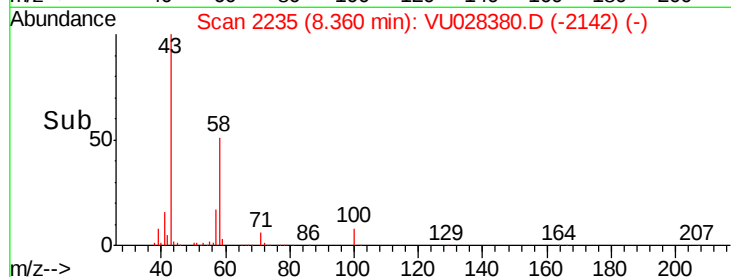
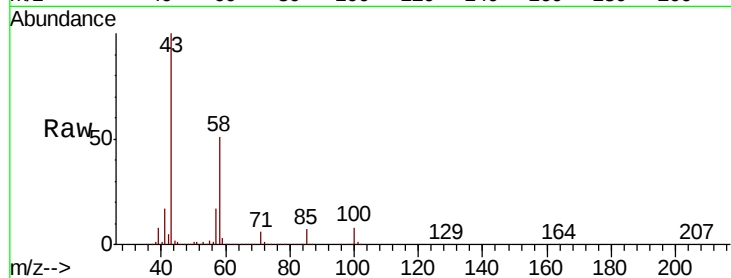




#59
2-Hexanone
Concen: 263.902 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

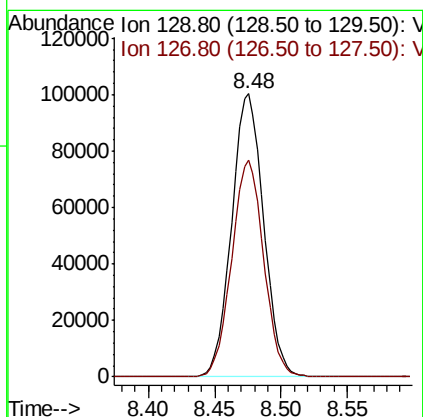
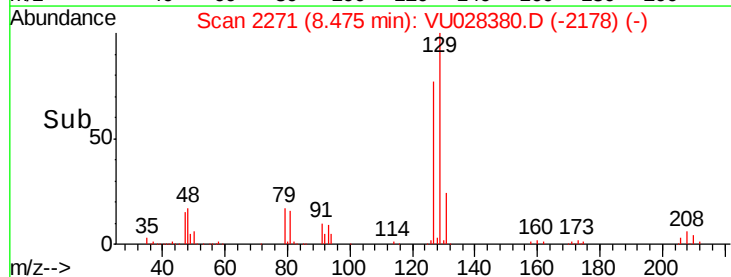
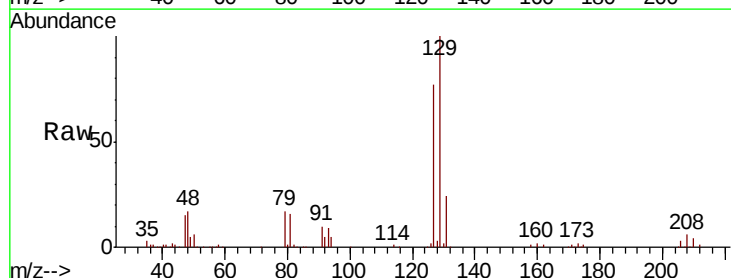
Instrument :
MSVOA_U
ClientSampleId :

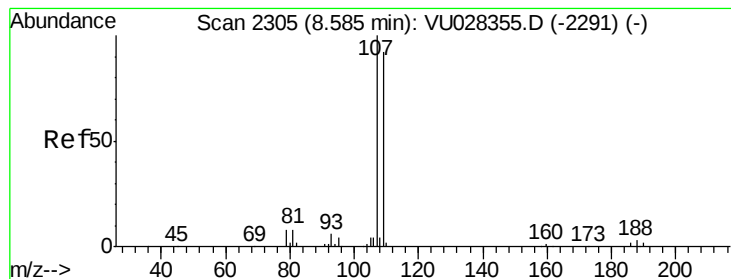
Tot Ion: 43 Resp: 1368121
Ion Ratio Lower Upper
43 100
58 51.3 25.5 76.5



#60
Dibromochloromethane
Concen: 51.298 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 129 Resp: 168041
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.858 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

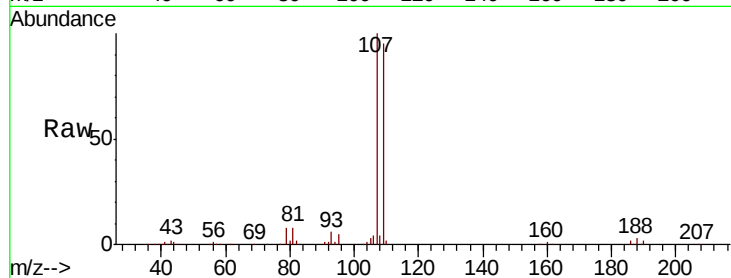
ClientSampled :

Tot Ion:107 Resp: 182938

Ion Ratio Lower Upper

107 100

109 94.2 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

120000

100000

80000

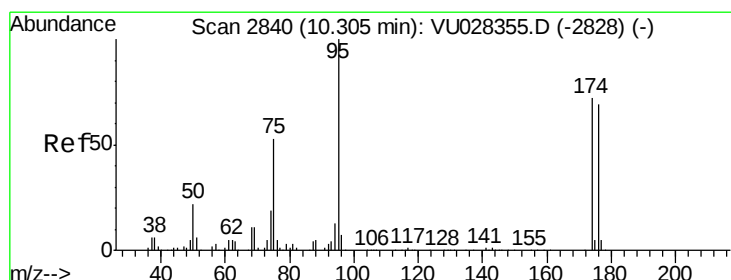
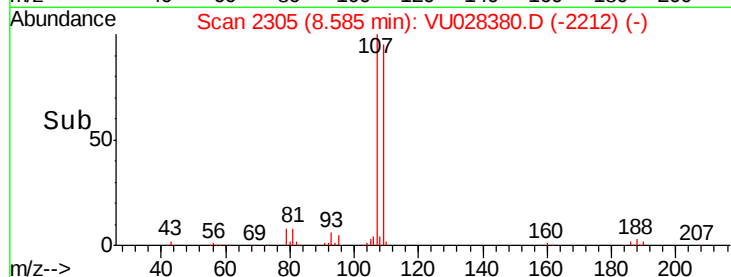
60000

40000

20000

0

Time--> 8.50 8.60 8.70



#62

4-Bromofluorobenzene

Concen: 50.627 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

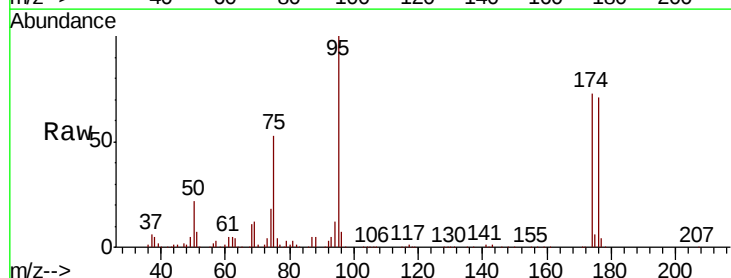
Tgt Ion: 95 Resp: 215183

Ion Ratio Lower Upper

95 100

174 73.5 0.0 145.4

176 70.6 0.0 140.8



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

10.31

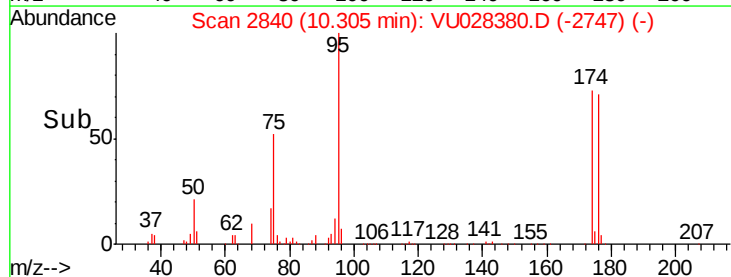
150000

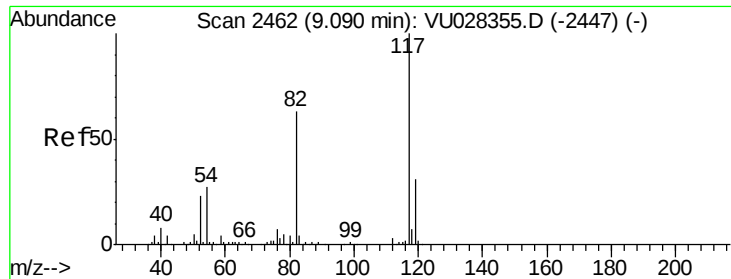
100000

50000

0

Time--> 10.20 10.30 10.40

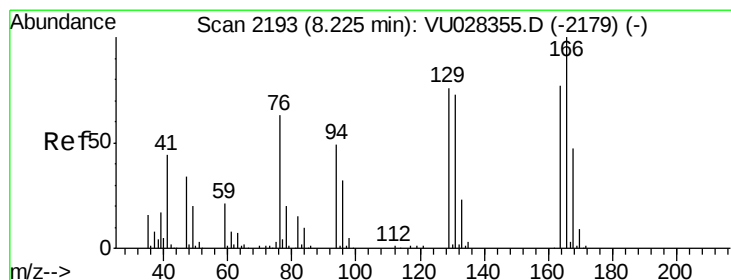
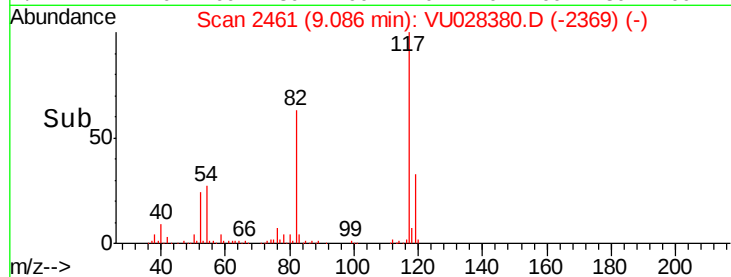
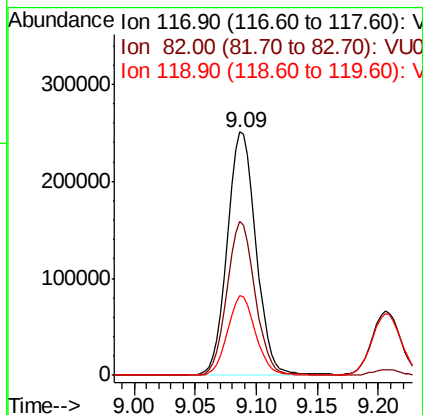
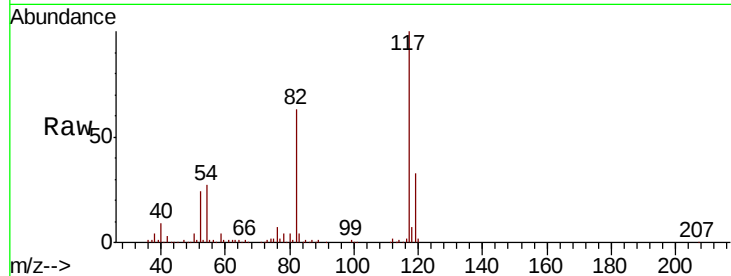




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

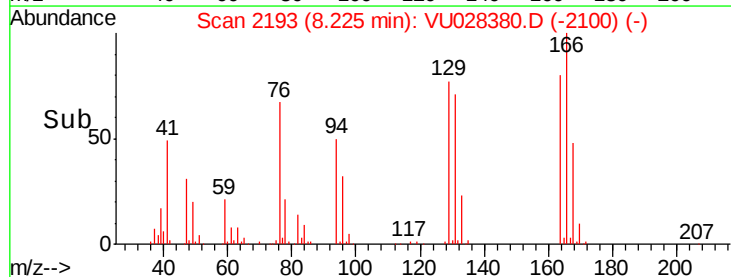
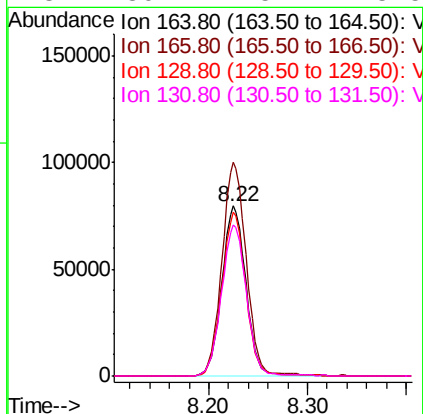
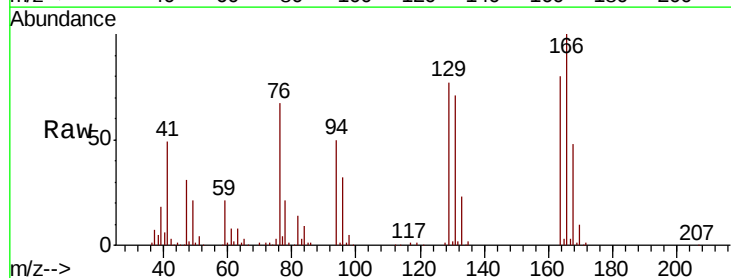
Instrument :
MSVOA_U
ClientSampleId :

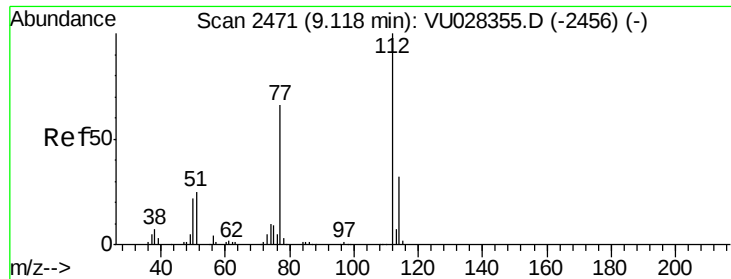
Tot Ion:117 Resp: 415139
Ion Ratio Lower Upper
117 100
82 63.0 50.3 75.5
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 50.324 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion:164 Resp: 137424
Ion Ratio Lower Upper
164 100
166 125.6 104.0 156.0
129 96.2 79.2 118.8
131 89.1 75.7 113.5

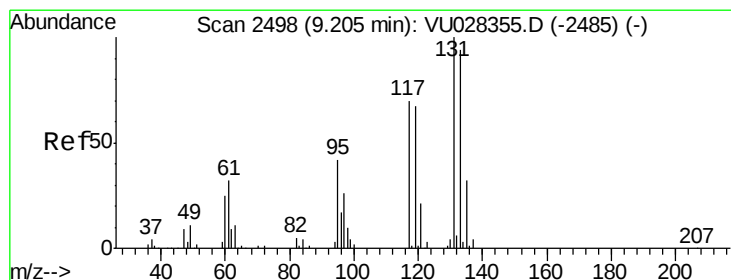
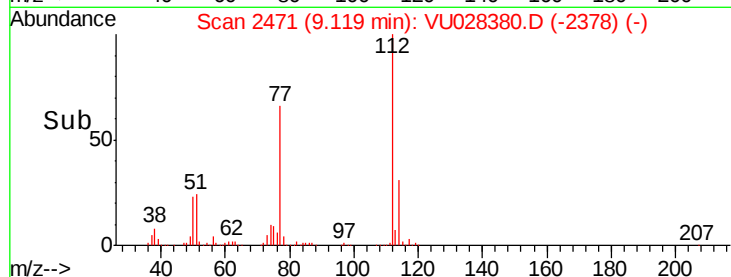
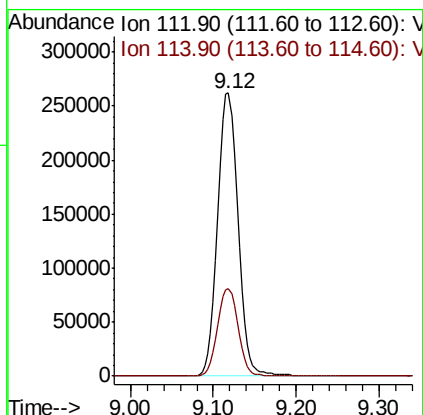
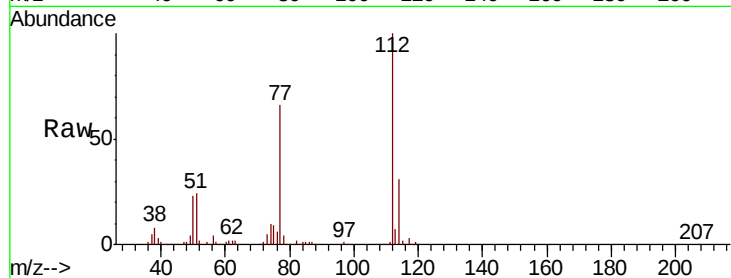




#65
Chlorobenzene
Concen: 52.050 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

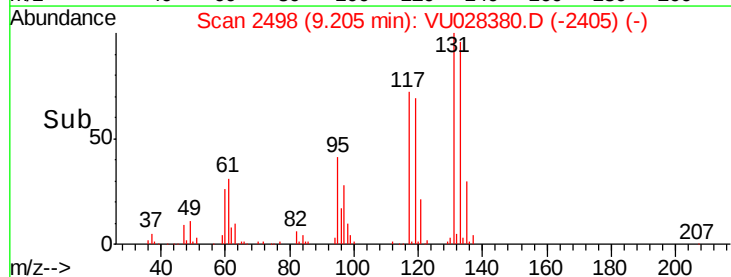
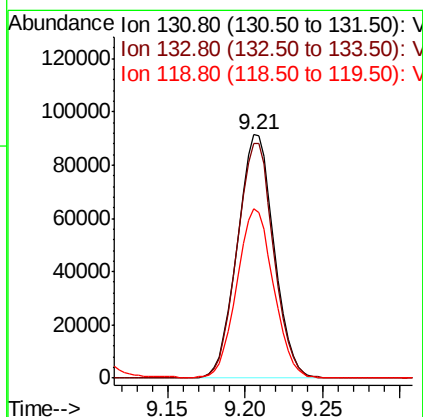
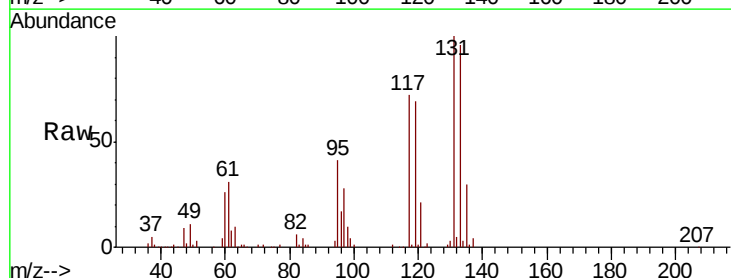
Instrument :
MSVOA_U
ClientSampleId :

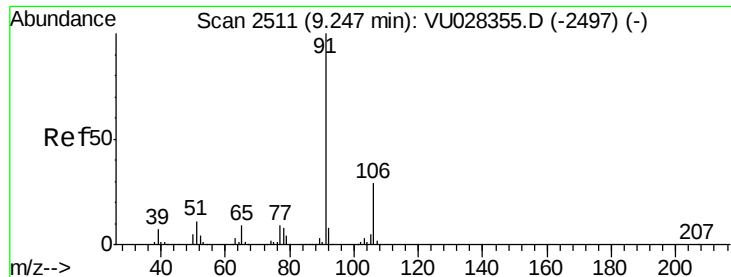
Tot Ion:112 Resp: 448672
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.110 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion:131 Resp: 151015
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 69.7 34.1 102.2





#67

Ethyl Benzene

Concen: 51.805 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

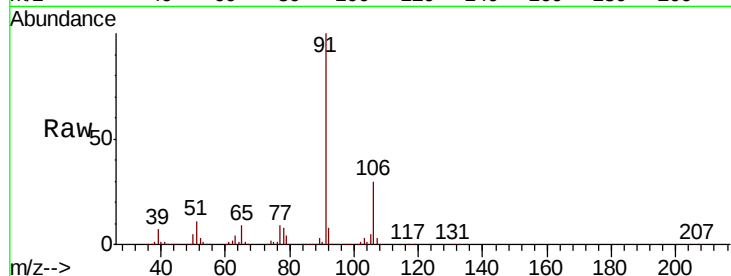
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 841070

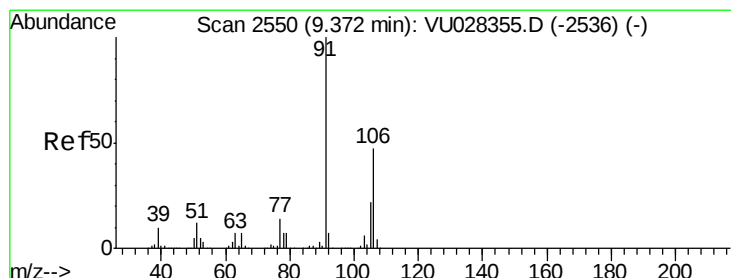
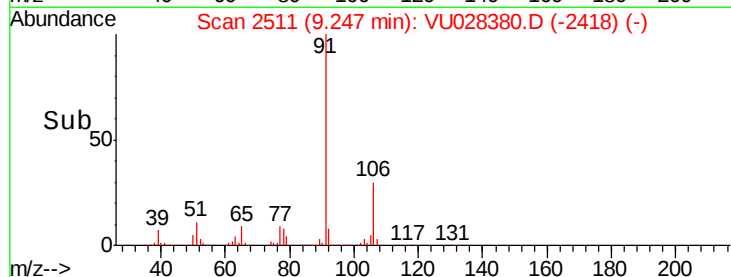
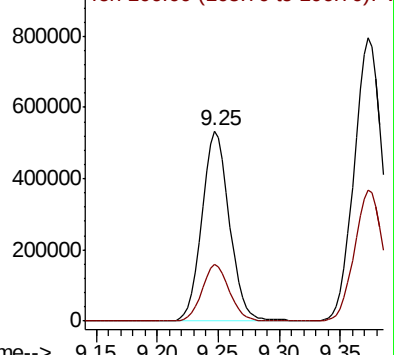
Ion Ratio Lower Upper

91 100

106 29.7 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2497) (-)



#68

m/p-Xylenes

Concen: 104.008 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028380.D

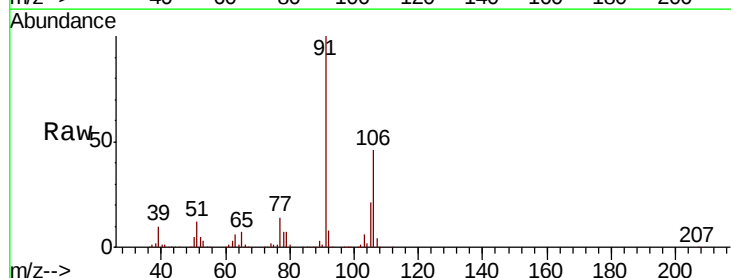
Acq: 29 Nov 2018 09:20

Tgt Ion: 106 Resp: 607784

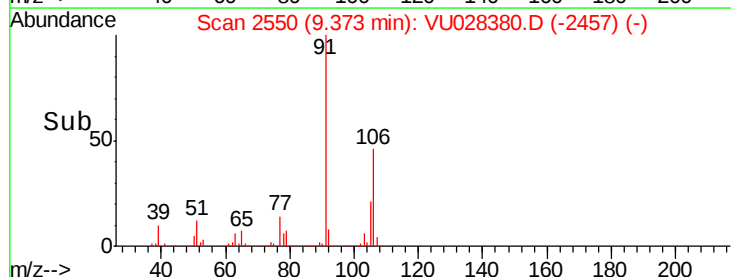
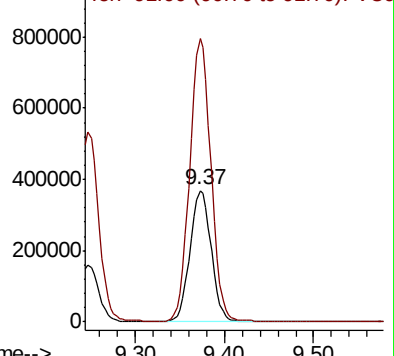
Ion Ratio Lower Upper

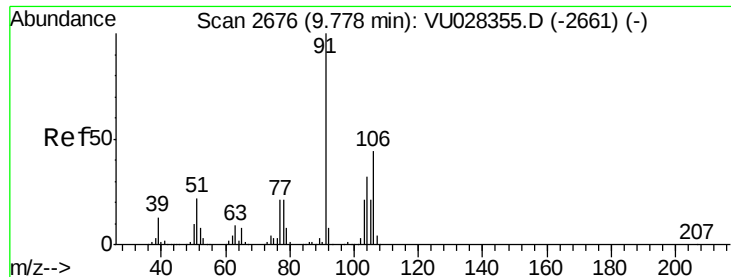
106 100

91 215.4 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028355.D (-2536) (-)

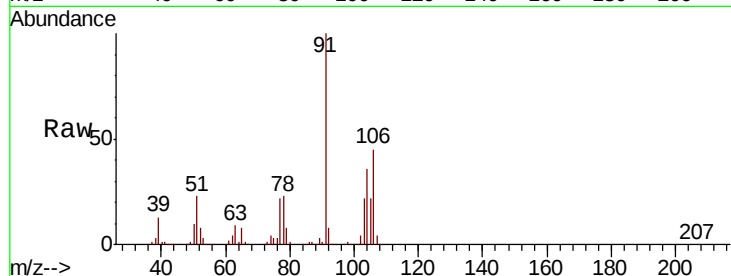




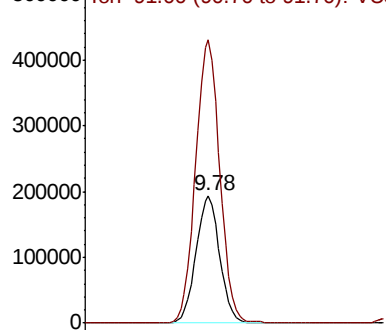
#69
o-Xylene
Concen: 51.127 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampled :

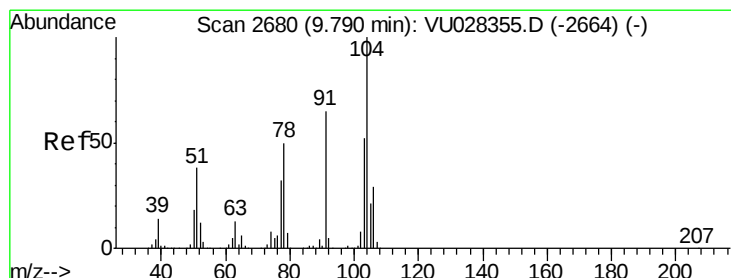
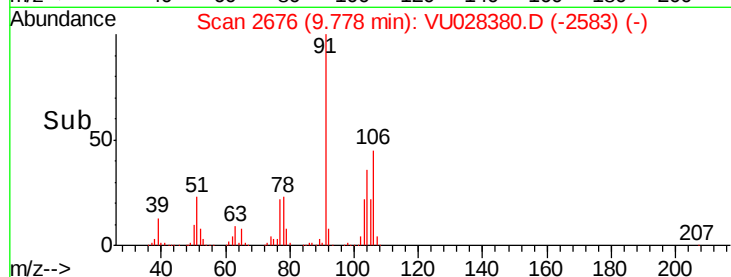
Tot Ion:106 Resp: 297002
Ion Ratio Lower Upper
106 100
91 226.0 112.7 338.0



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

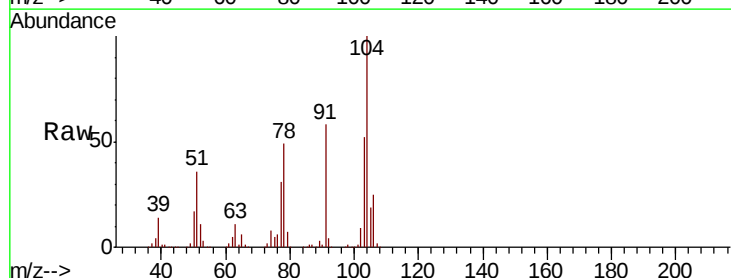


Time-->

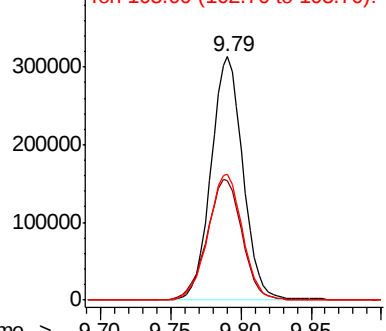


#70
Styrene
Concen: 53.116 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

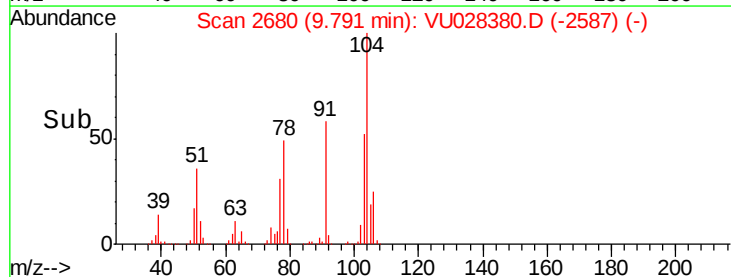
Tgt Ion:104 Resp: 497629
Ion Ratio Lower Upper
104 100
78 54.2 43.3 64.9
103 55.7 44.8 67.2

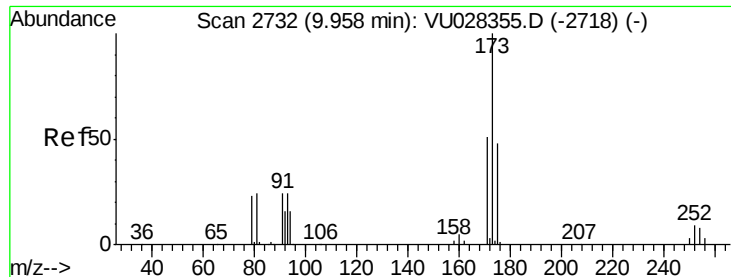


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 51.381 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :
MSVOA_U
ClientSampled :

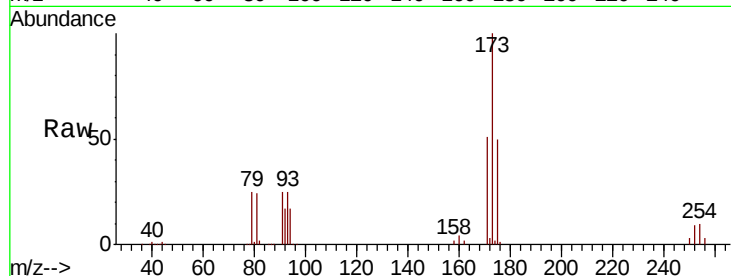
Tot Ion:173 Resp: 127606

Ion Ratio Lower Upper

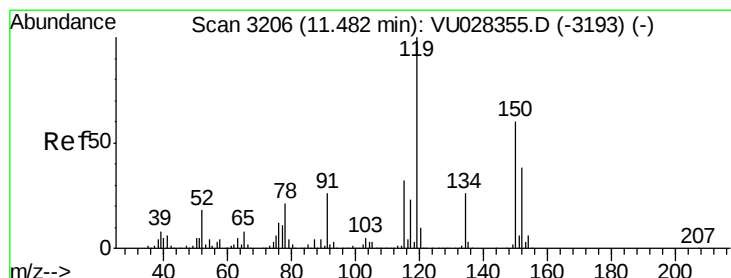
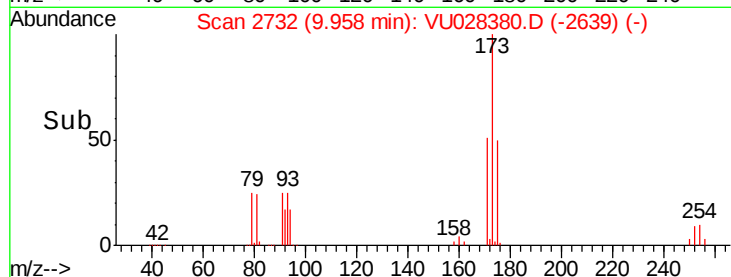
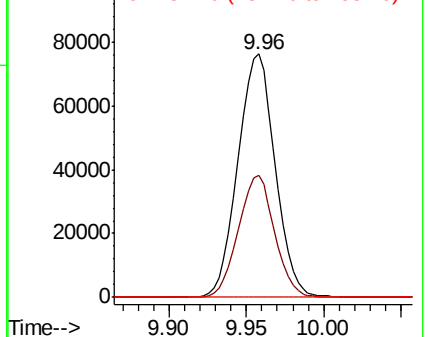
173 100

175 48.8 24.1 72.4

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: VU028380.D

Acq: 29 Nov 2018 09:20

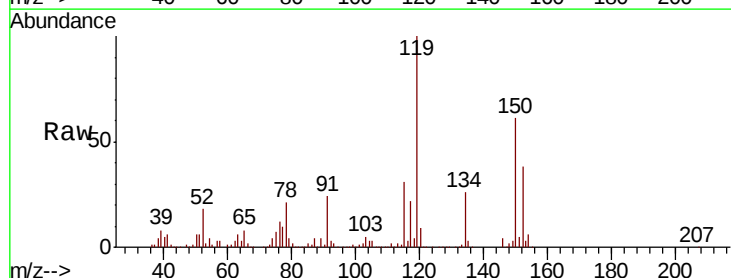
Tgt Ion:152 Resp: 202971

Ion Ratio Lower Upper

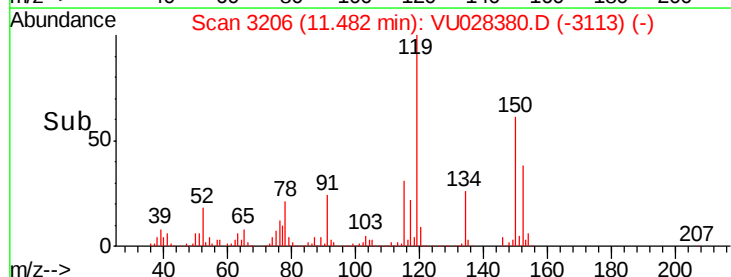
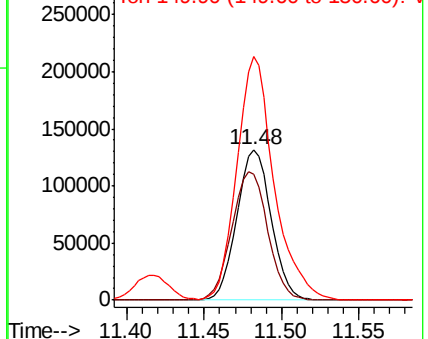
152 100

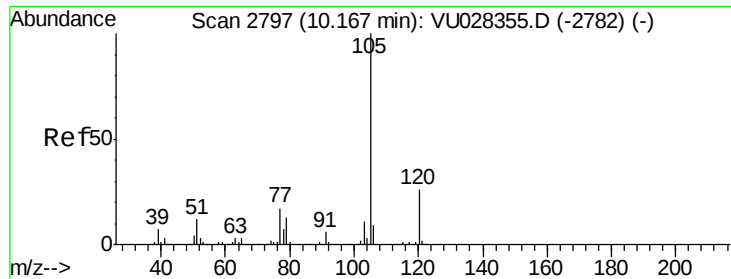
115 89.0 45.0 134.8

150 175.6 0.0 349.2



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





#73

Isopropylbenzene

Concen: 50.951 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

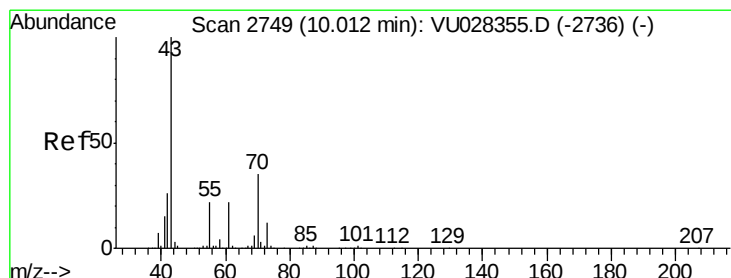
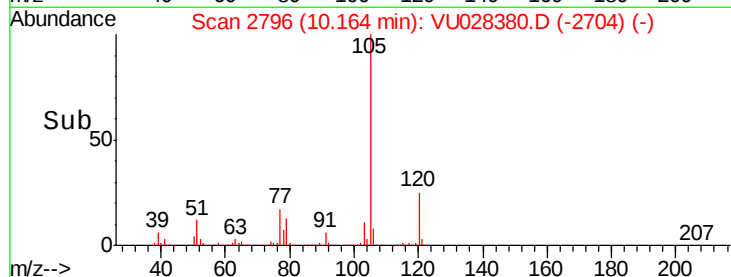
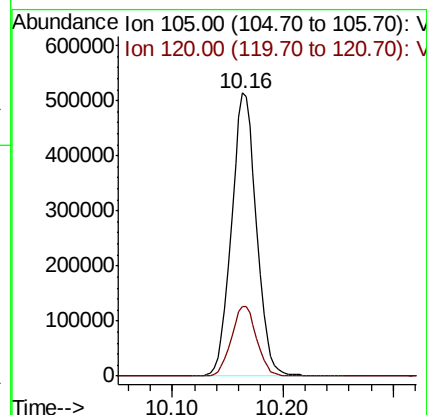
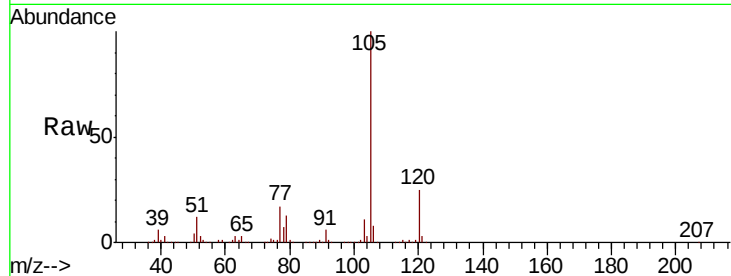
ClientSampled :

Tot Ion:105 Resp: 804317

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.3



#74

N-ethyl acetate

Concen: 50.242 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Tgt Ion: 43 Resp: 496922

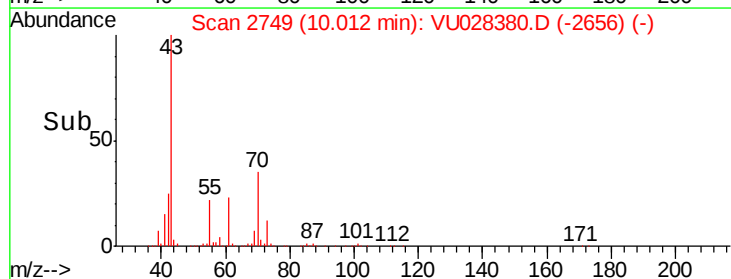
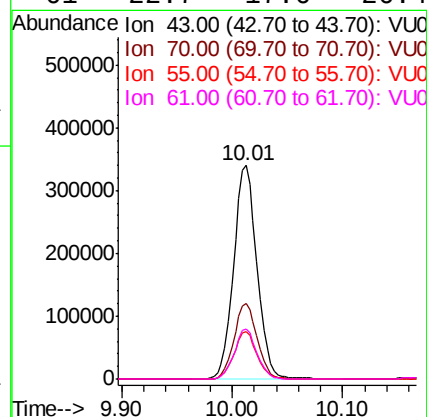
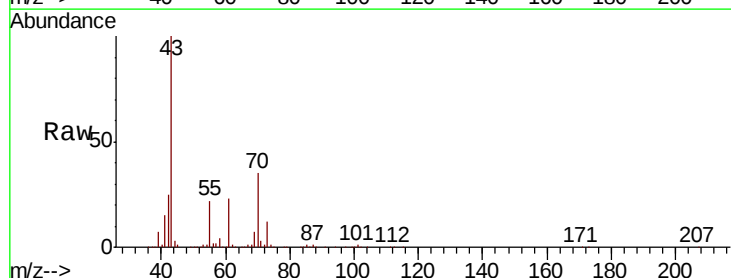
Ion Ratio Lower Upper

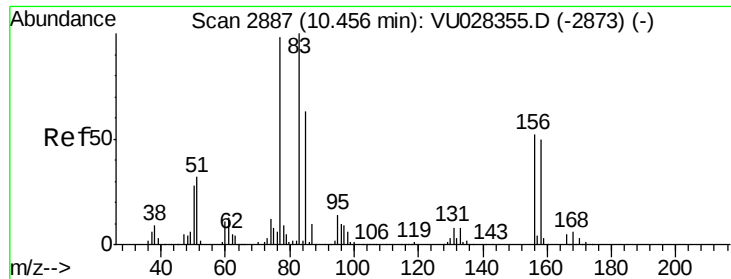
43 100

70 35.5 28.4 42.6

55 22.0 18.0 27.0

61 22.7 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.473 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampleId :

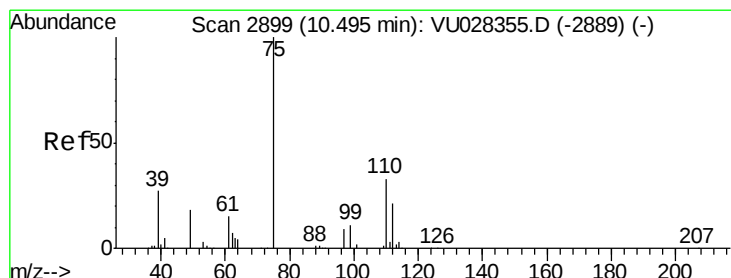
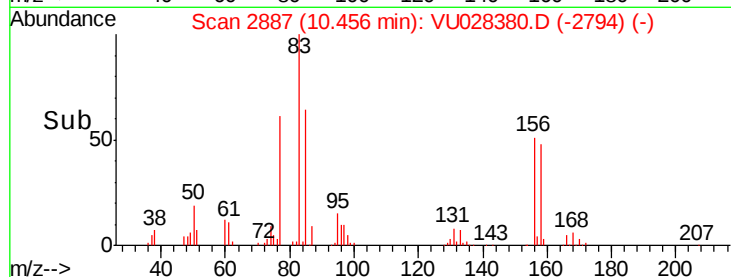
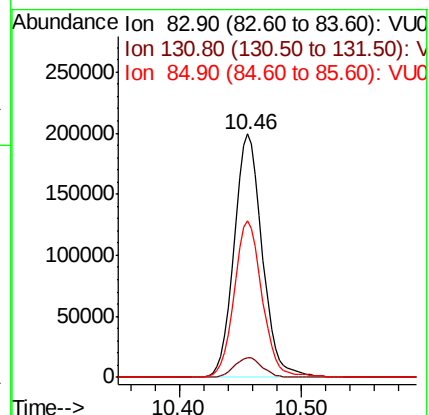
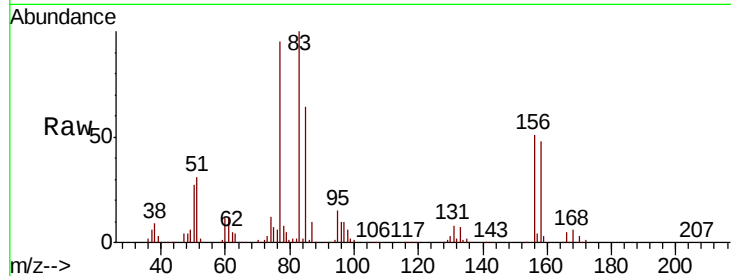
Tot Ion: 83 Resp: 321160

Ion Ratio Lower Upper

83 100

131 8.1 4.0 12.2

85 64.1 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 68.925 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028380.D

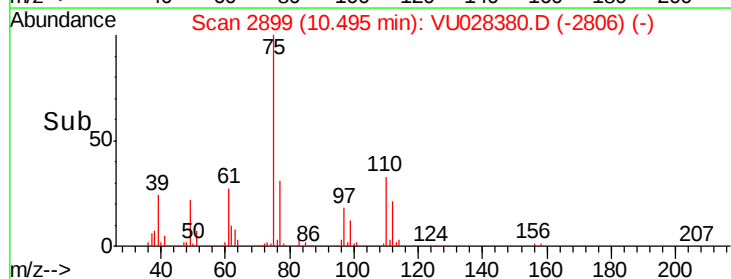
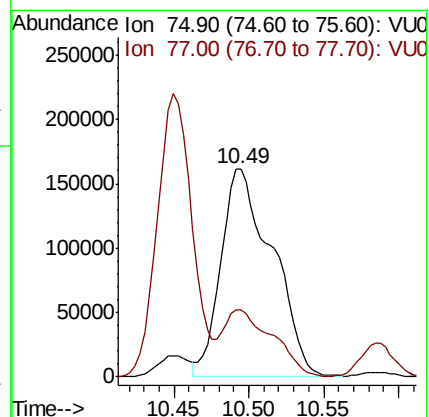
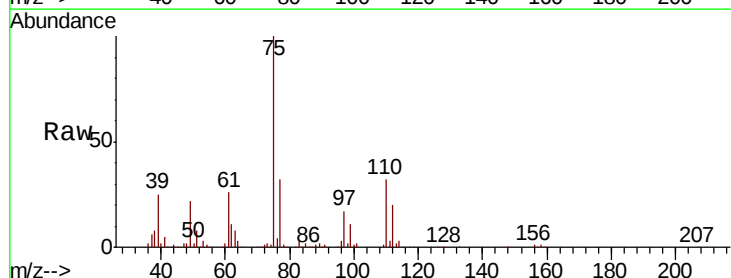
Acq: 29 Nov 2018 09:20

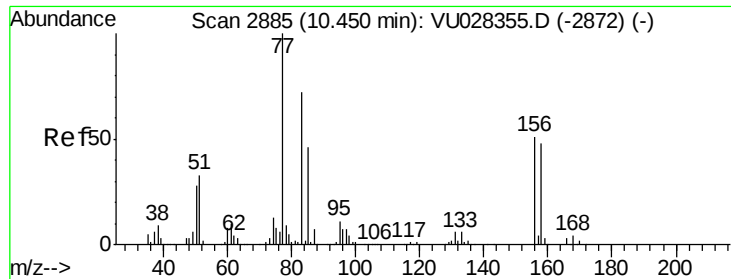
Tgt Ion: 75 Resp: 387946

Ion Ratio Lower Upper

75 100

77 30.3 22.4 67.0





#77

Bromobenzene

Concen: 49.676 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampled :

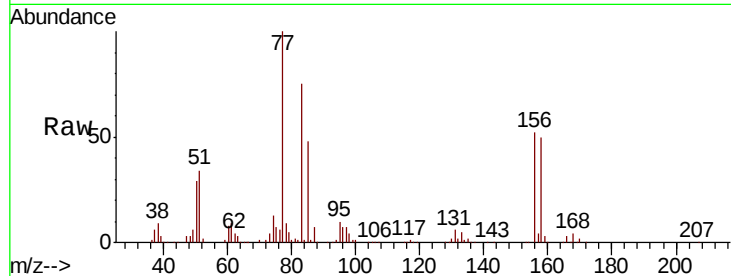
Tot Ion:156 Resp: 184777

Ion Ratio Lower Upper

156 100

77 191.7 97.0 290.9

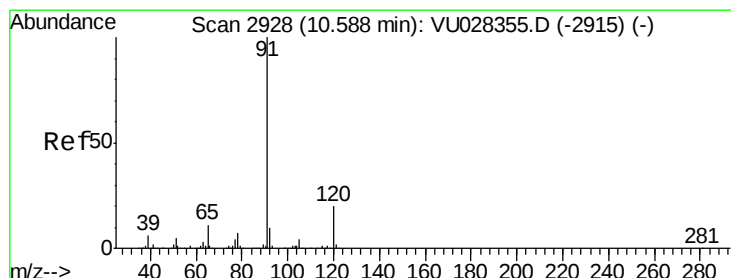
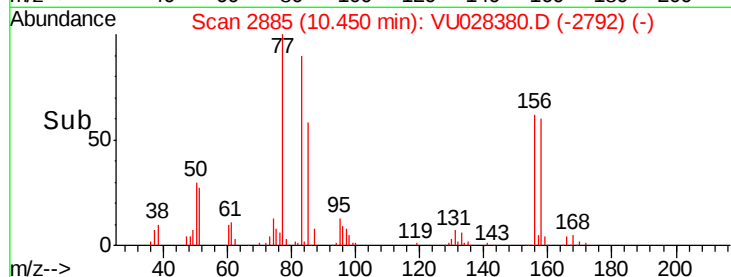
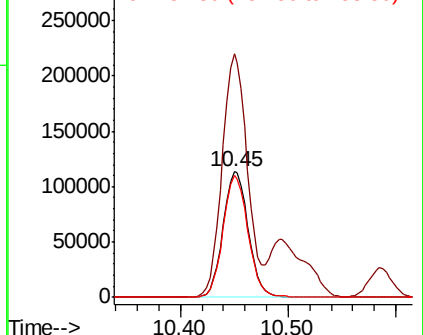
158 95.7 46.8 140.4



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: 51.289 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028380.D

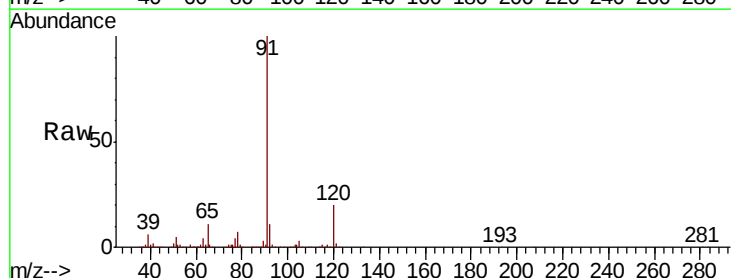
Acq: 29 Nov 2018 09:20

Tgt Ion: 91 Resp: 998814

Ion Ratio Lower Upper

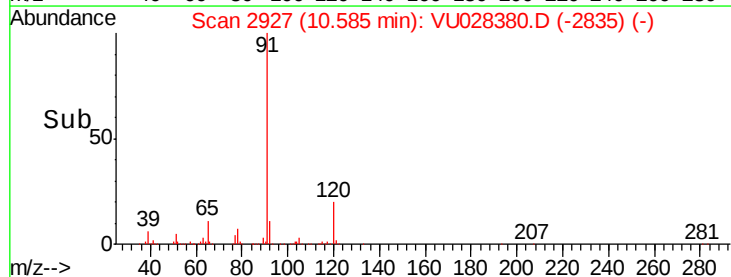
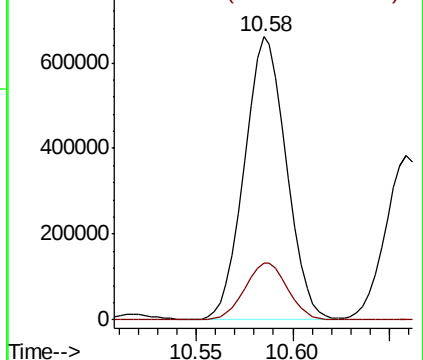
91 100

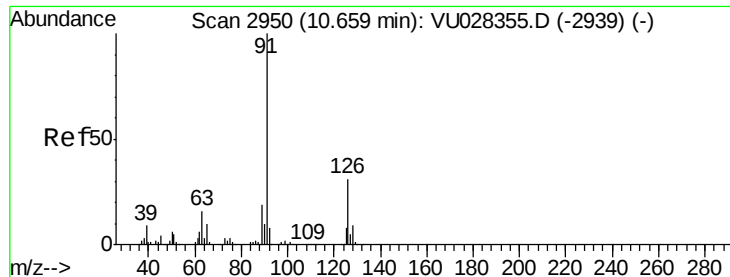
120 20.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

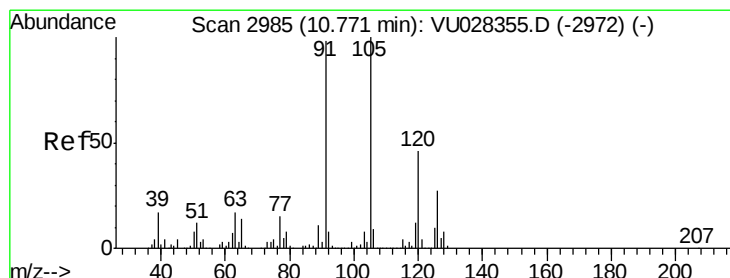
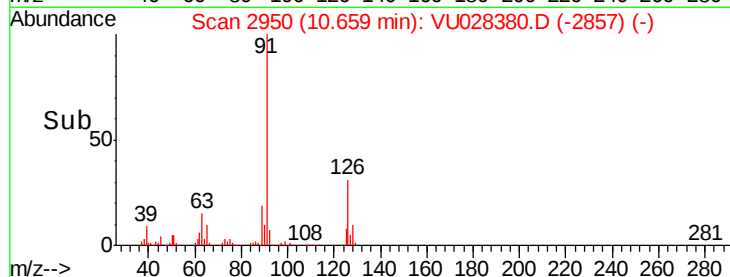
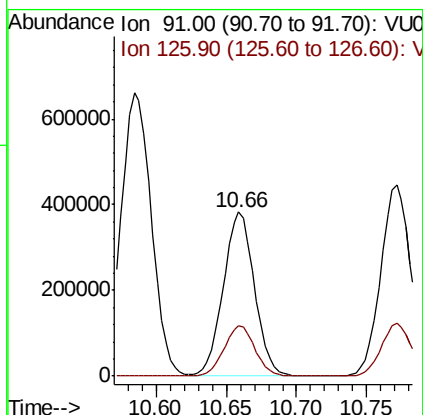
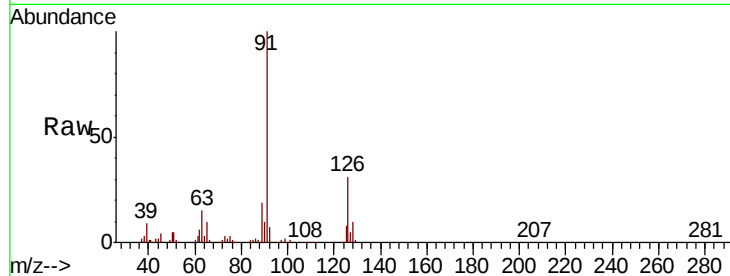




#79
 2-Chlorotoluene
 Concen: 51.380 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

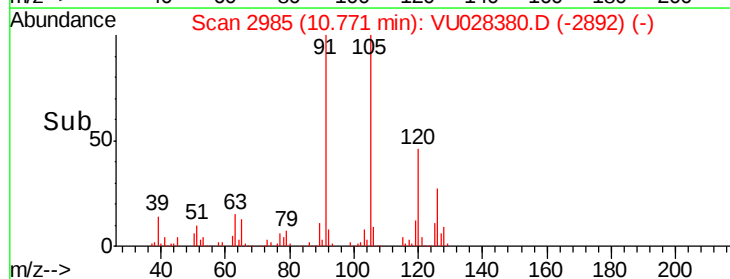
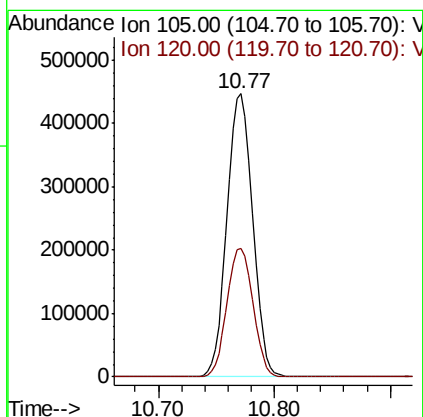
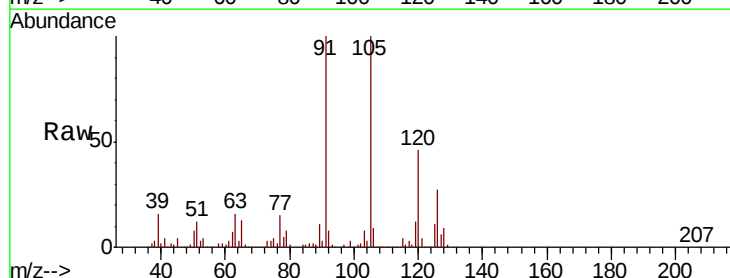
Instrument :
 MSVOA_U
 ClientSampled :

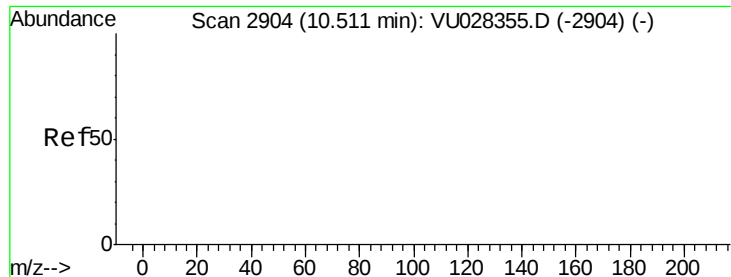
Tot Ion: 91 Resp: 589848
 Ion Ratio Lower Upper
 91 100
 126 30.4 15.4 46.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.330 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion: 105 Resp: 682843
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.4 70.0

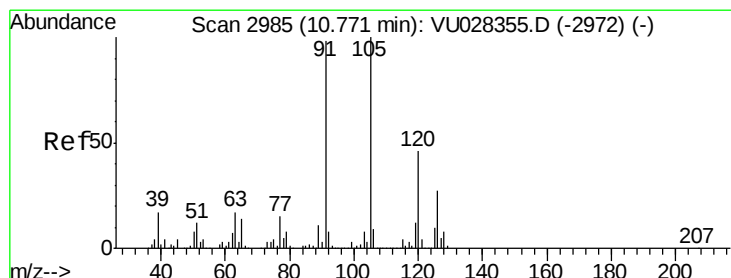
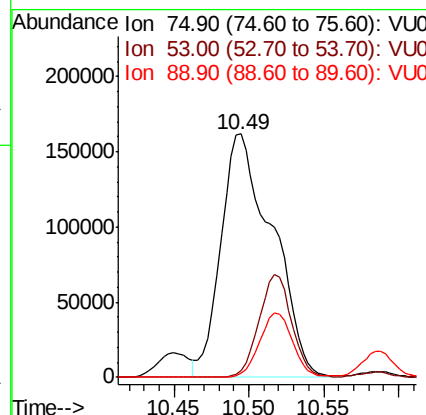
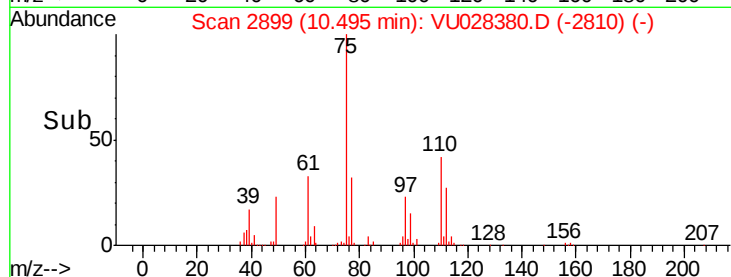
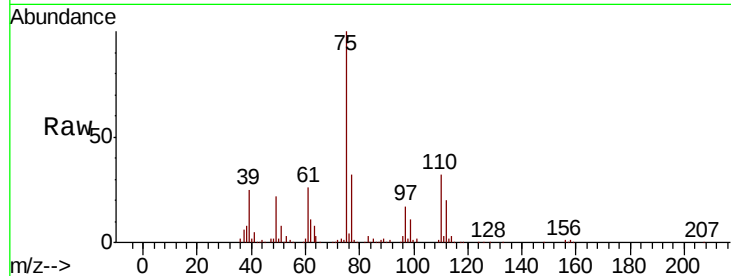




#81
trans-1,4-Dichloro-2-butene
Concen: 182.960 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

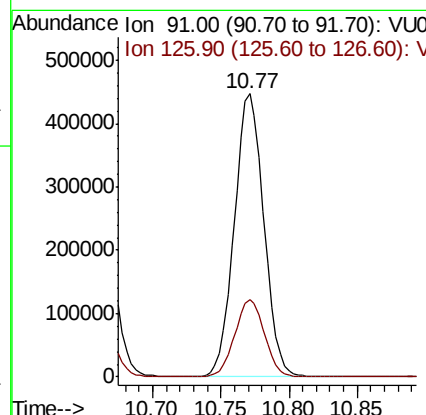
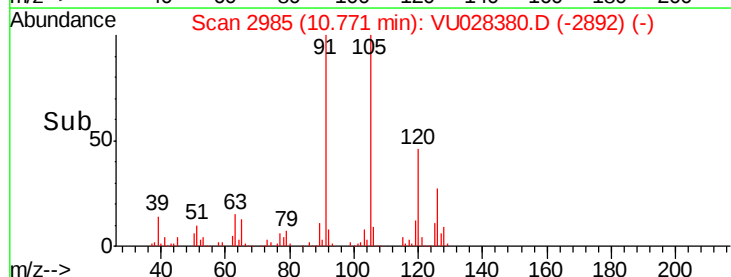
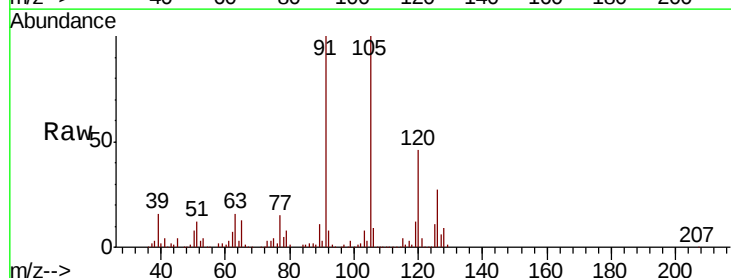
Instrument :
MSVOA_U
ClientSampleId :

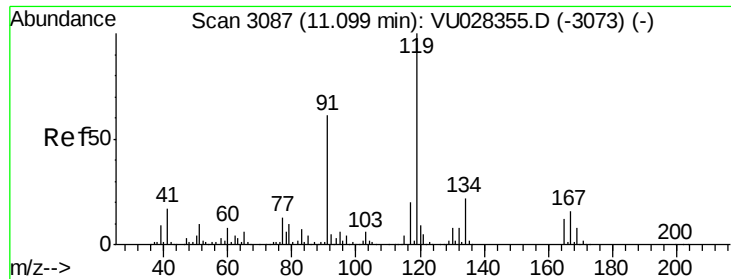
Tot Ion: 75 Resp: 387946
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 50.732 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion: 91 Resp: 671025
Ion Ratio Lower Upper
91 100
126 27.4 13.9 41.6

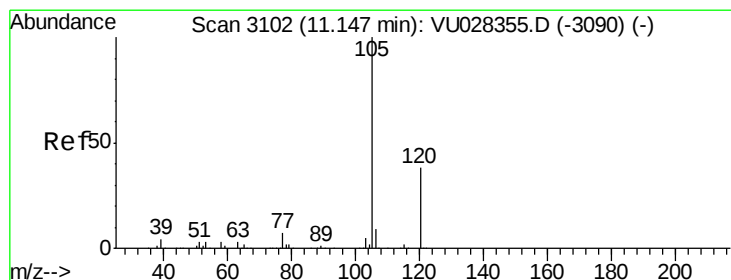
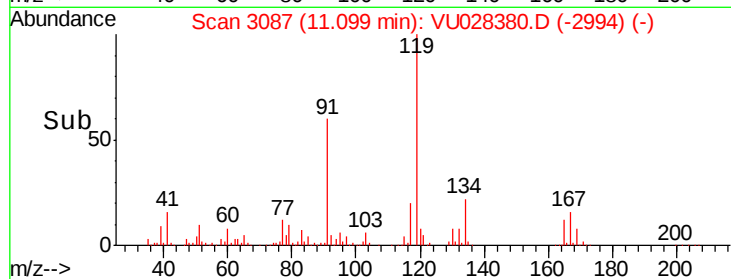
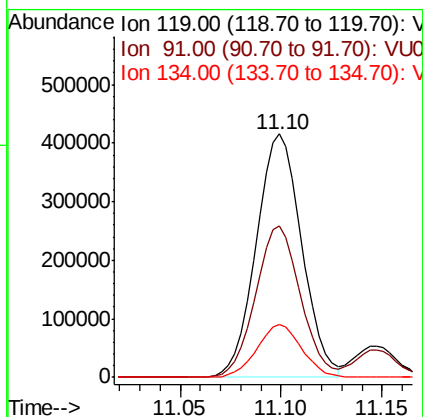
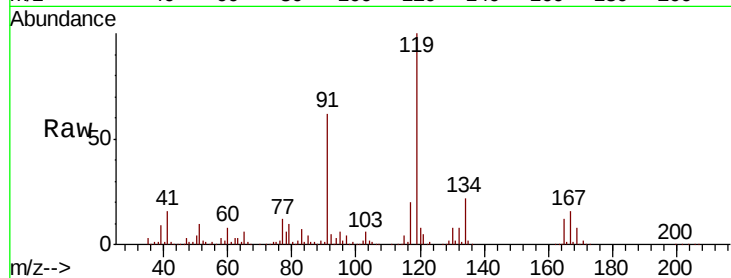




#83
tert-Butylbenzene
Concen: 52.677 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

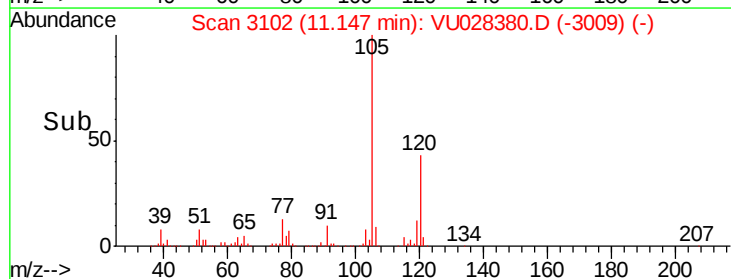
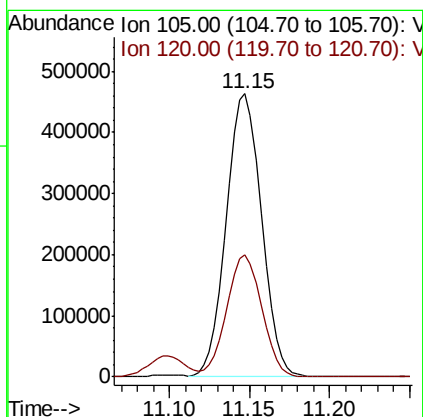
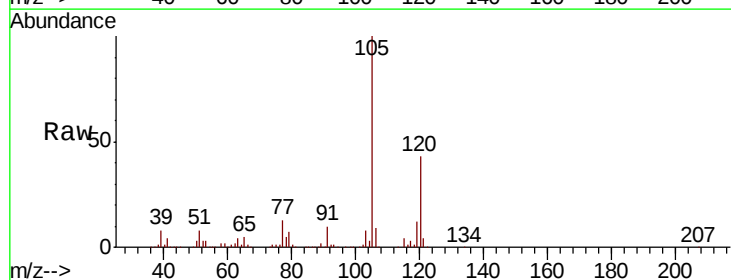
Instrument :
MSVOA_U
ClientSampleId :

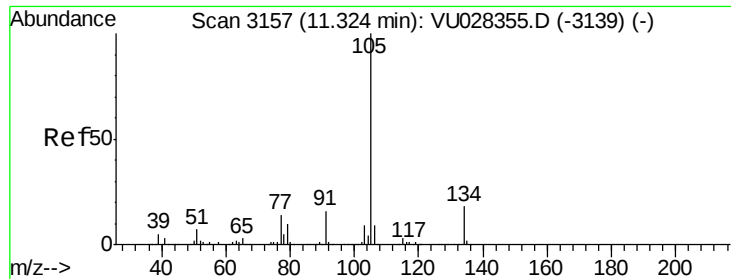
Tot Ion:119 Resp: 653246
Ion Ratio Lower Upper
119 100
91 61.4 30.8 92.4
134 21.4 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 51.698 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028380.D
Acq: 29 Nov 2018 09:20

Tgt Ion:105 Resp: 696591
Ion Ratio Lower Upper
105 100
120 43.0 21.4 64.3

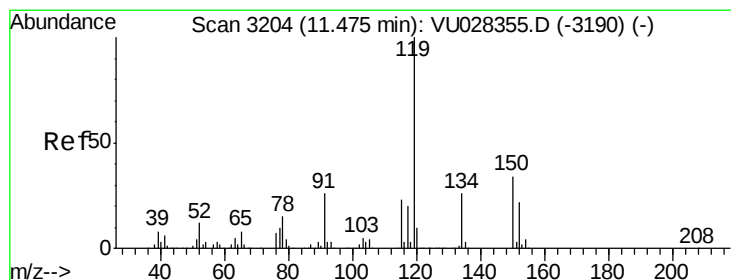
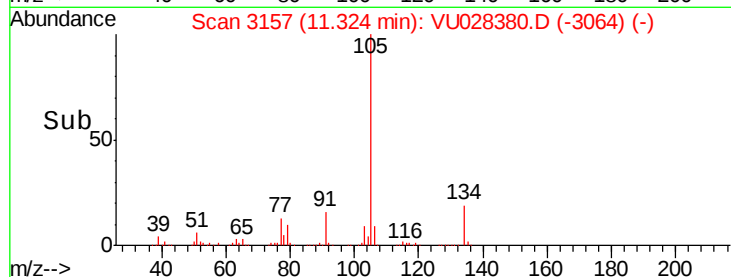
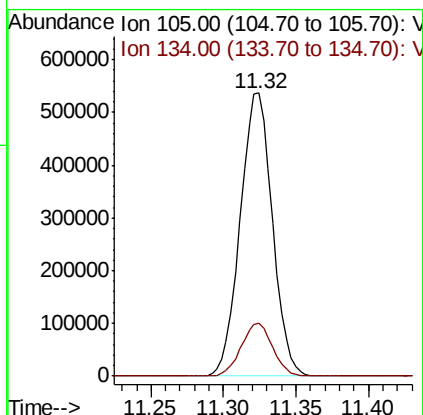
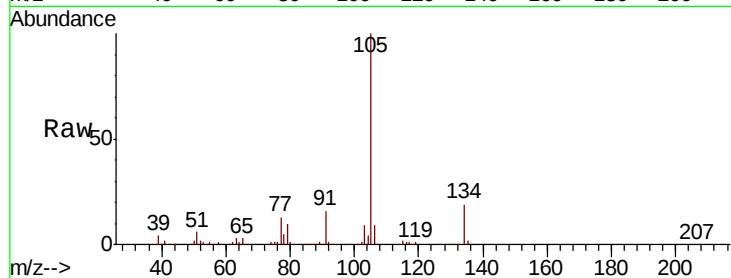




#85
 sec-Butylbenzene
 Concen: 51.426 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

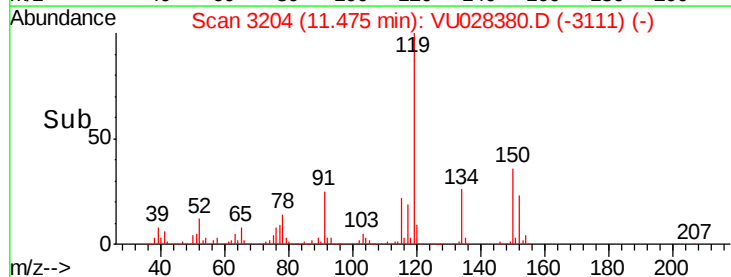
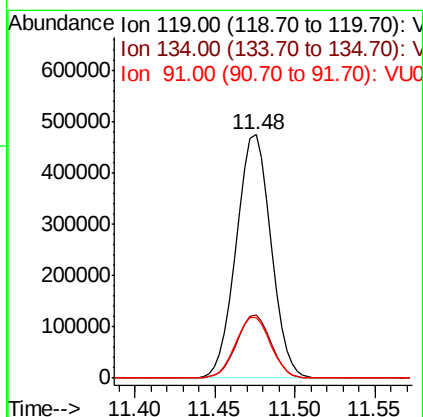
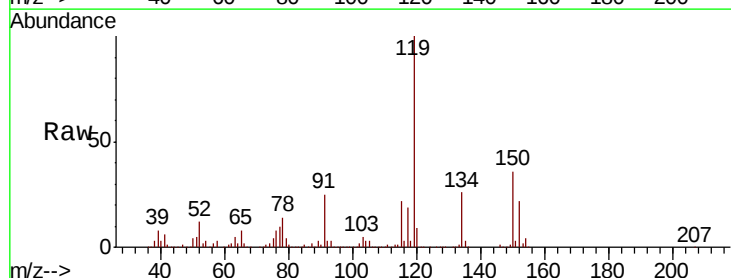
Instrument :
 MSVOA_U
 ClientSampleId :

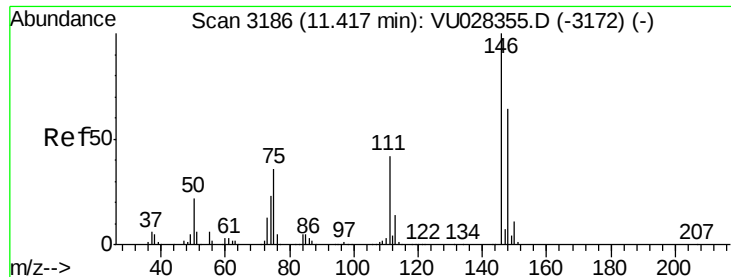
Tot Ion:105 Resp: 828313
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 52.905 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion:119 Resp: 700677
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.3
 91 25.3 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 50.239 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampled :

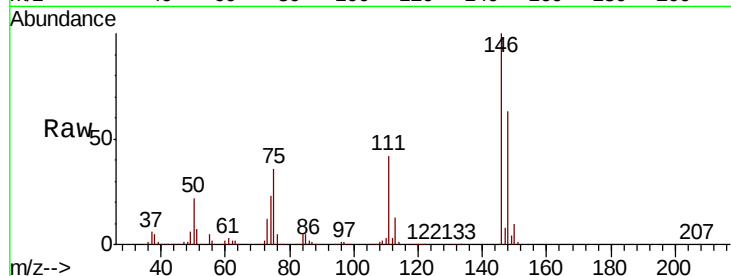
Tot Ion:146 Resp: 340833

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.4

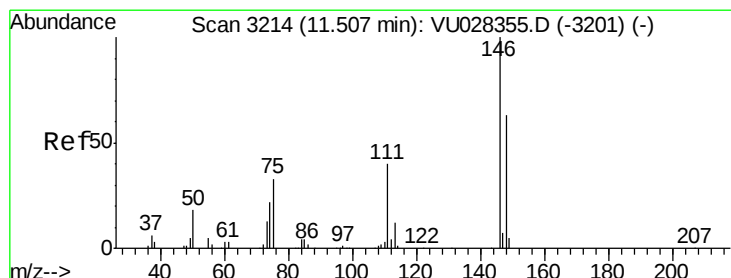
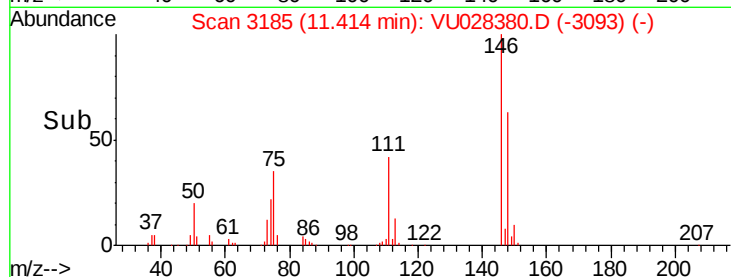
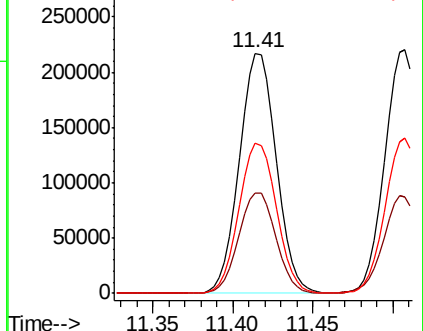
148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.297 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

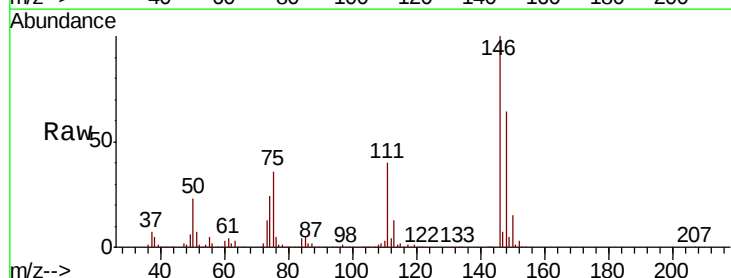
Tgt Ion:146 Resp: 343414

Ion Ratio Lower Upper

146 100

111 41.4 20.6 61.9

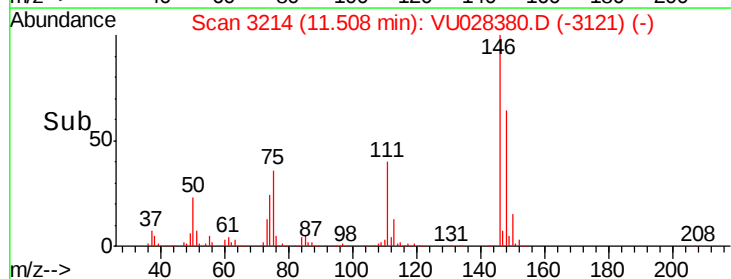
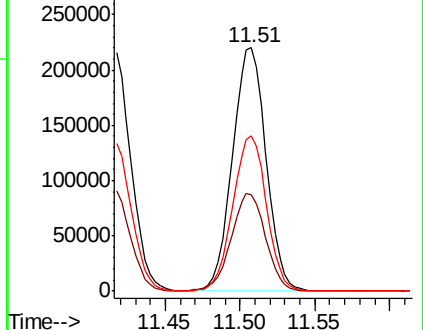
148 64.2 31.1 93.5

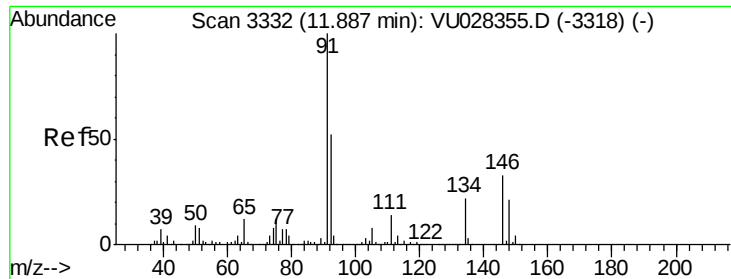


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.969 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampleId :

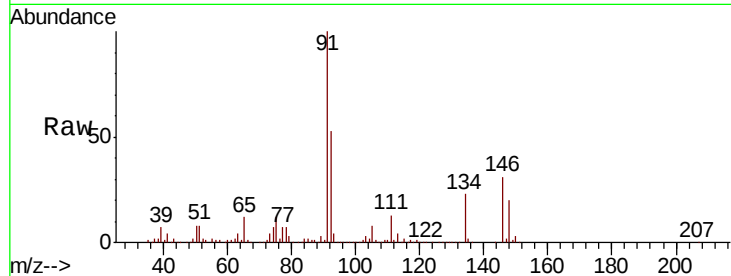
Tot Ion: 91 Resp: 705421

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.5

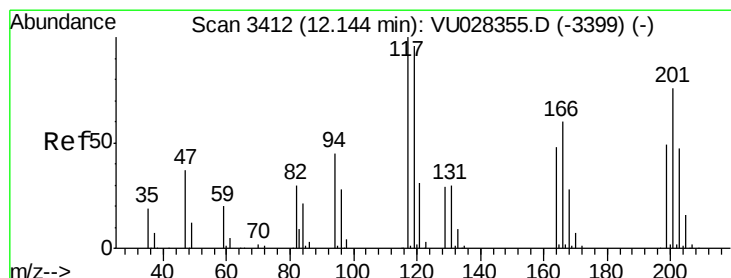
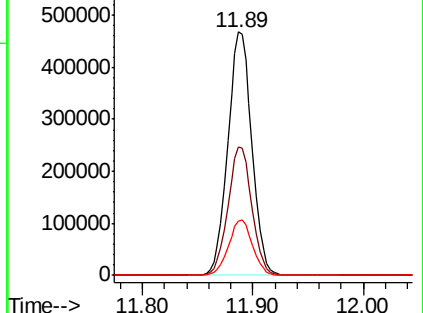
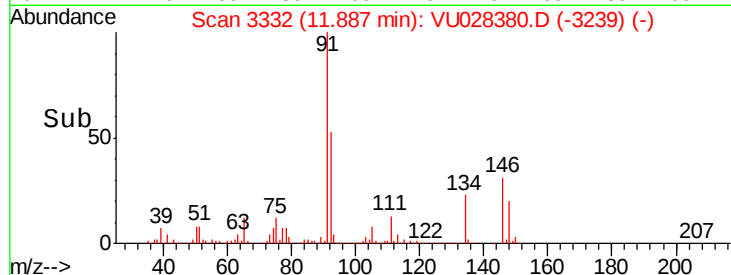
134 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VU028380.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028380.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028380.D (-3239) (-)



#90

Hexachloroethane

Concen: 52.724 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028380.D

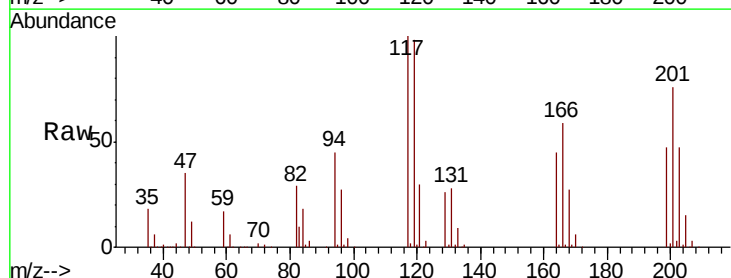
Acq: 29 Nov 2018 09:20

Tgt Ion: 117 Resp: 109015

Ion Ratio Lower Upper

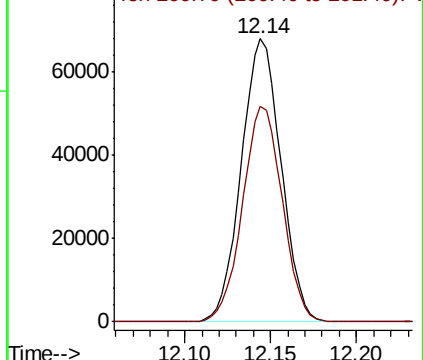
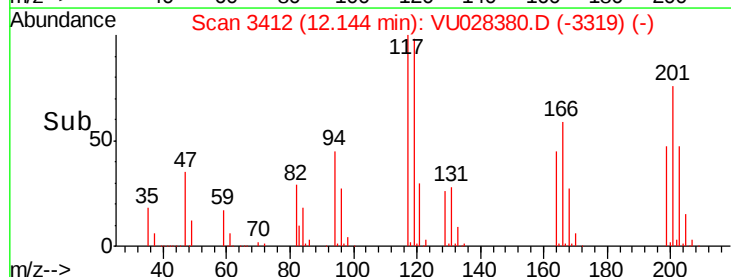
117 100

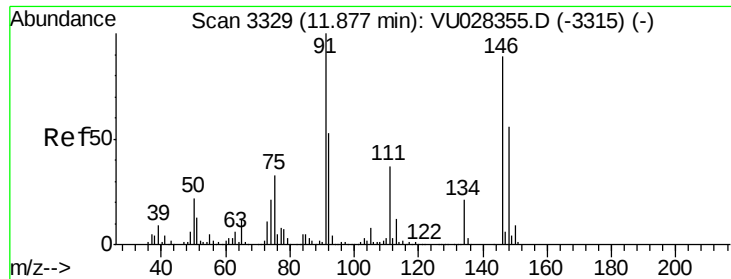
201 76.2 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): VU028380.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028380.D (-3319) (-)





#91

1,2-Dichlorobenzene

Concen: 51.369 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampled :

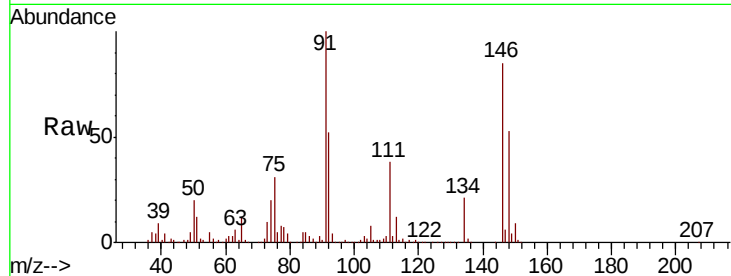
Tot Ion:146 Resp: 347708

Ion Ratio Lower Upper

146 100

111 44.1 21.4 64.3

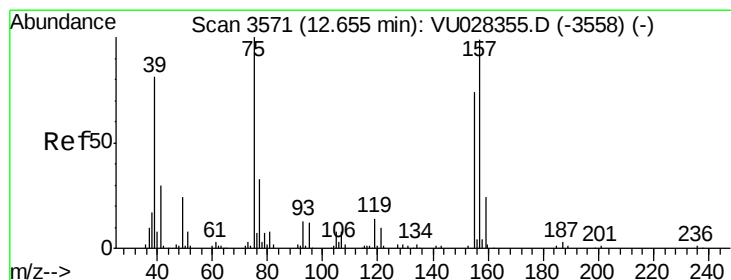
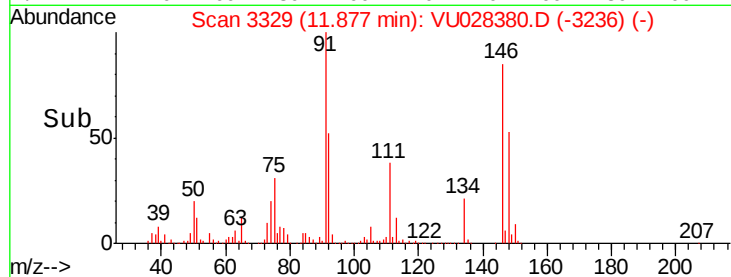
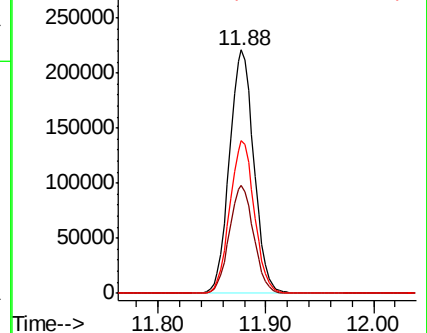
148 63.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.482 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

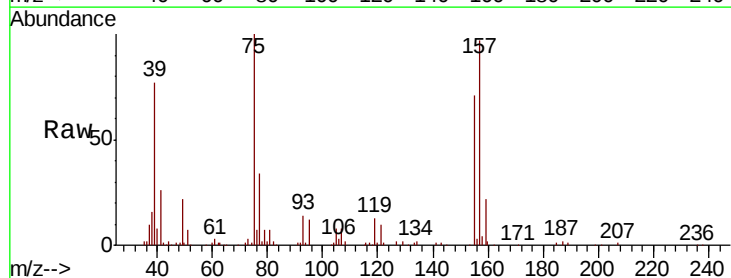
Tgt Ion: 75 Resp: 71450

Ion Ratio Lower Upper

75 100

155 71.6 36.9 110.7

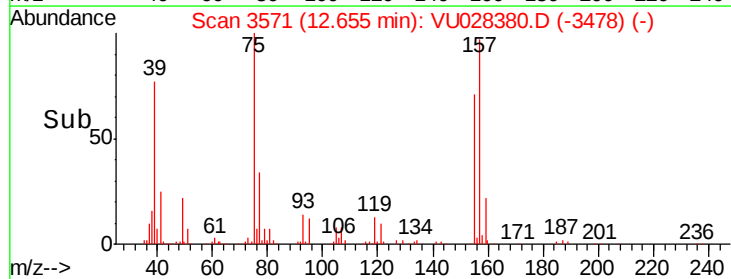
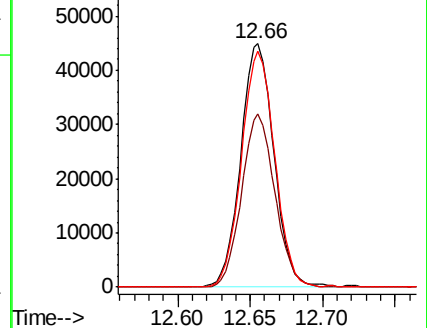
157 96.9 47.5 142.5

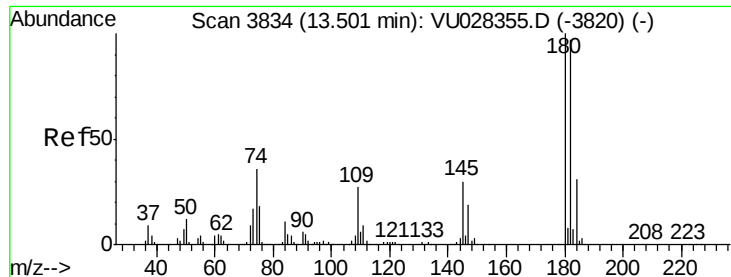


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

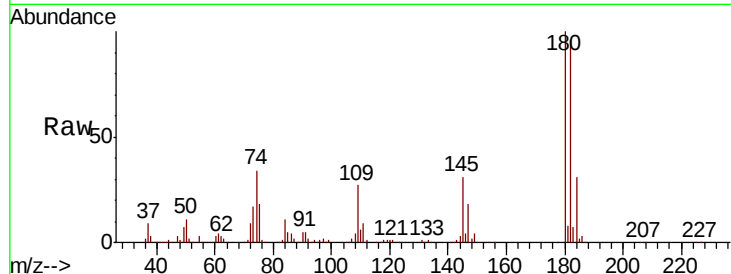




#93
 1,2,4-Trichlorobenzene
 Concen: 52.178 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.3	144.9
145	30.7	15.2	45.5

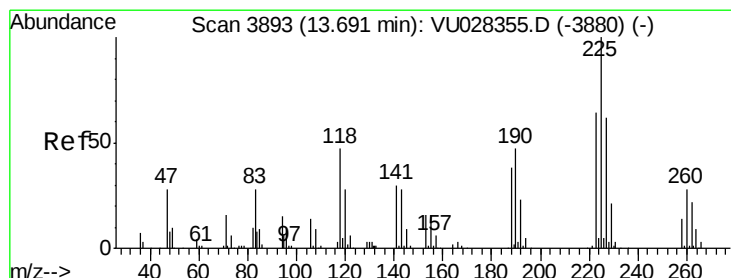
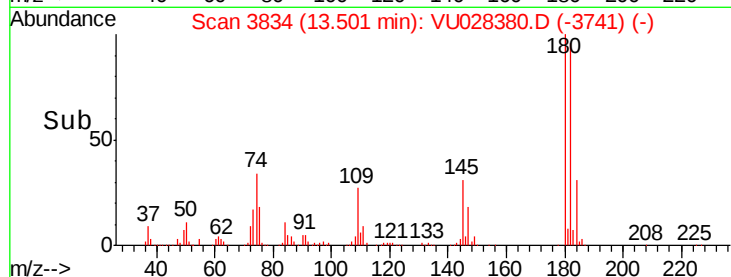
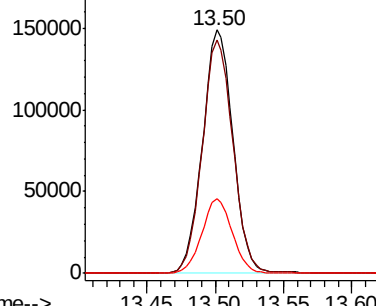


Abundance

Ion 179.80 (179.50 to 180.50): V

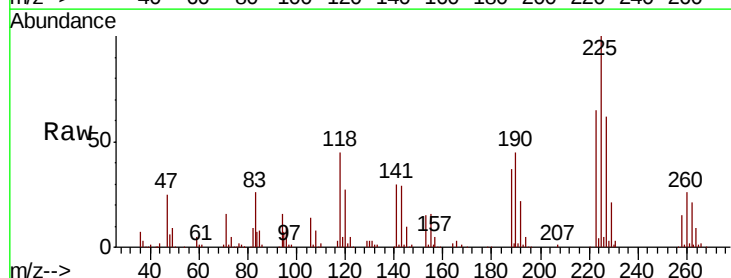
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.613 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028380.D
 Acq: 29 Nov 2018 09:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	94.7
227	63.4	30.8	92.4

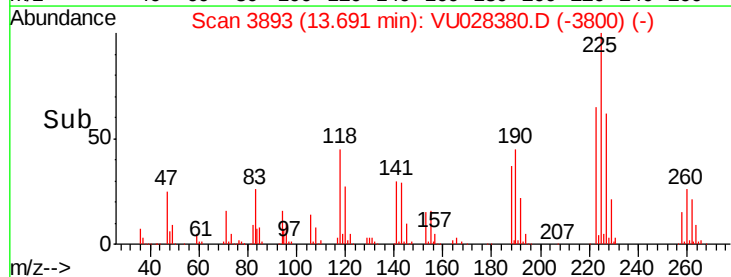
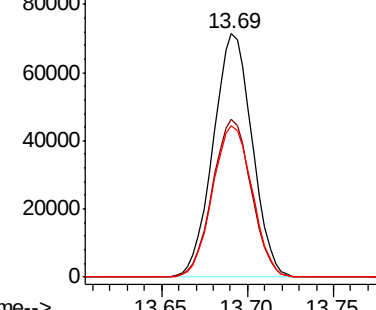


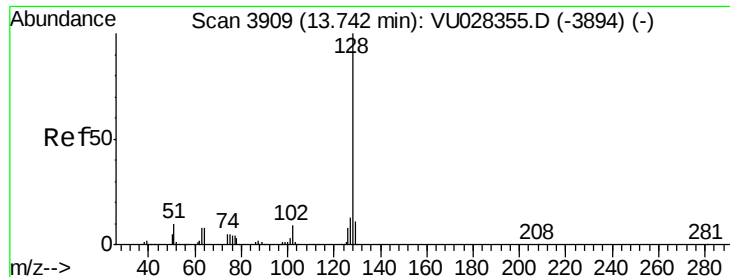
Abundance

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: 47.572 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

Instrument :

MSVOA_U

ClientSampleId :

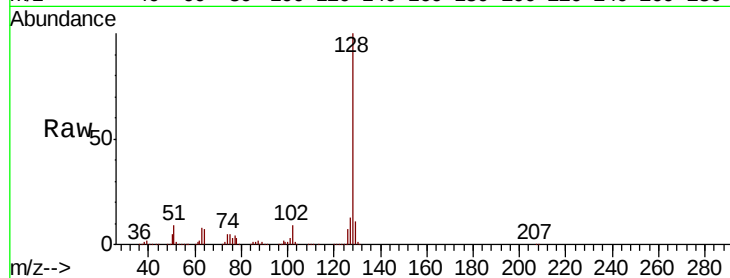
Tot Ion:128 Resp: 810170

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

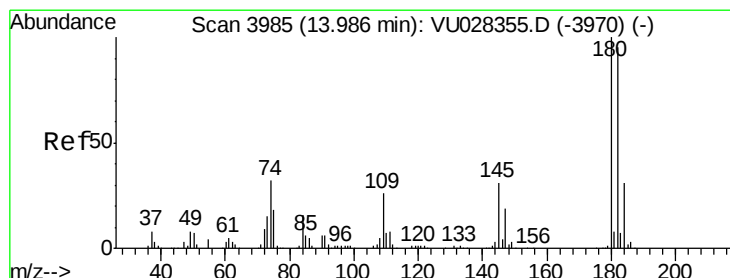
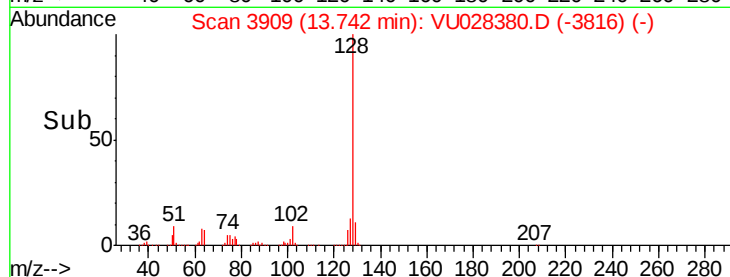
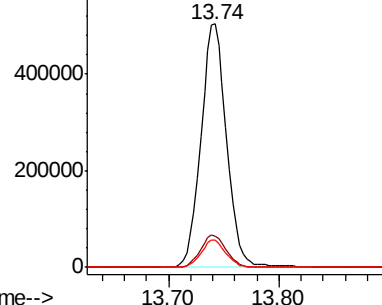
129 10.8 8.6 12.8



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: 52.932 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028380.D

Acq: 29 Nov 2018 09:20

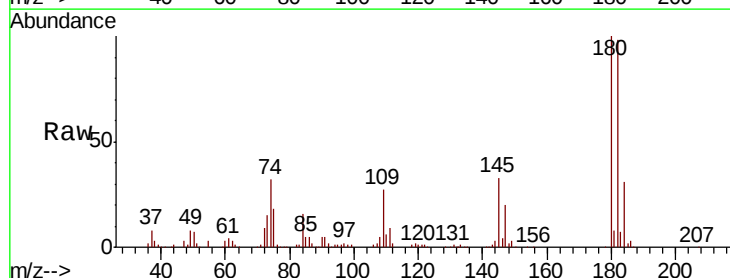
Tgt Ion:180 Resp: 237188

Ion Ratio Lower Upper

180 100

182 95.6 47.7 143.1

145 32.3 15.7 47.1



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

