

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025770.D
 Acq On : 01 Aug 2018 12:30
 Operator : MD/SY
 Sample : VU0801MBSD02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 02 03:56:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	260294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138128	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	4.89	113	113211	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	7.57	98	403771	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	10.31	95	153044	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	58273	22.49	ug/l	96
3) Chloromethane	1.33	50	50327	20.32	ug/l	97
4) Vinyl Chloride	1.40	62	48678	20.89	ug/l	99
5) Bromomethane	1.63	94	24407	21.44	ug/l	98
6) Chloroethane	1.70	64	27897	20.47	ug/l	99
7) Trichlorofluoromethane	1.89	101	70485	20.92	ug/l	97
8) Diethyl Ether	2.10	74	24415	20.02	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42347	21.72	ug/l	98
10) Methyl Iodide	2.41	142	33381	23.79	ug/l	97
11) Tert butyl alcohol	2.83	59	63704	108.93	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39210	21.30	ug/l	96
13) Acrolein	2.19	56	23574	110.17	ug/l	99
14) Allyl chloride	2.59	41	65476	19.79	ug/l	98
15) Acrylonitrile	2.94	53	126065	107.97	ug/l	99
16) Acetone	2.32	43	128703	98.83	ug/l	98
17) Carbon Disulfide	2.48	76	118432	19.88	ug/l	99
18) Methyl Acetate	2.62	43	79962	25.51	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	141111	21.15	ug/l	98
20) Methylene Chloride	2.70	84	45838	19.86	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	43952	20.66	ug/l	100
22) Diisopropyl ether	3.57	45	141902	21.77	ug/l	93
23) Vinyl Acetate	3.53	43	590794	104.00	ug/l	99
24) 1,1-Dichloroethane	3.45	63	83104	21.24	ug/l	99
25) 2-Butanone	4.27	43	186509	105.21	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75897	21.34	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	49513	20.64	ug/l	98
28) Bromochloromethane	4.55	49	35887	20.51	ug/l	99
29) Tetrahydrofuran	4.64	42	113940	107.28	ug/l	100
30) Chloroform	4.68	83	86945	21.05	ug/l	99
31) Cyclohexane	5.00	56	72360	20.46	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	80601	21.67	ug/l	98
36) 1,1-Dichloropropene	5.14	75	61465	20.21	ug/l	98
37) Ethyl Acetate	4.38	43	65487	20.76	ug/l	98
38) Carbon Tetrachloride	5.14	117	70623	20.50	ug/l	99

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Instrument :
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 ClientSampleId :

Quant Time: Aug 02 03:56:49 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72389	20.77	ug/l	98
40) Benzene	5.39	78	181409	20.40	ug/l	99
41) Methacrylonitrile	4.54	41	38020	21.70	ug/l	98
42) 1,2-Dichloroethane	5.41	62	71508	20.89	ug/l	100
43) Isopropyl Acetate	5.55	43	107721	20.67	ug/l	99
44) Trichloroethene	6.19	130	50955	20.58	ug/l	100
45) 1,2-Dichloropropane	6.44	63	48056	20.72	ug/l	99
46) Dibromomethane	6.56	93	34996	20.83	ug/l	97
47) Bromodichloromethane	6.76	83	66536	20.76	ug/l	98
48) Methyl methacrylate	6.63	41	54277	21.25	ug/l	97
49) 1,4-Dioxane	6.61	88	27487	442.16	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	344143	105.46	ug/l	100
52) Toluene	7.64	92	114437	20.72	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	74516	20.71	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	77766	21.04	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	47448	20.67	ug/l	99
56) Ethyl methacrylate	8.02	69	68754	20.96	ug/l	97
57) 1,3-Dichloropropane	8.25	76	80552	20.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	135966	96.03	ug/l	100
59) 2-Hexanone	8.36	43	269600	105.40	ug/l	99
60) Dibromochloromethane	8.48	129	55666	20.56	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51535	20.19	ug/l	97
64) Tetrachloroethene	8.23	164	45961	20.77	ug/l	98
65) Chlorobenzene	9.12	112	131279	20.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49845	21.25	ug/l	97
67) Ethyl Benzene	9.25	91	221695	20.65	ug/l	99
68) m/p-Xylenes	9.38	106	174983	42.44	ug/l	98
69) o-Xylene	9.78	106	84241	20.91	ug/l	99
70) Styrene	9.80	104	133549	20.52	ug/l	100
71) Bromoform	9.96	173	41918	20.61	ug/l #	98
73) Isopropylbenzene	10.17	105	225499	21.19	ug/l	98
74) N-amyl acetate	10.01	43	93805	21.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76659	20.83	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	91845	26.73	ug/l	84
77) Bromobenzene	10.45	156	61935	21.10	ug/l	98
78) n-propylbenzene	10.59	91	262980	21.17	ug/l	99
79) 2-Chlorotoluene	10.66	91	157616	21.66	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	194900	21.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	91845	67.02	ug/l #	100
82) 4-Chlorotoluene	10.78	91	185192	21.59	ug/l	100
83) tert-Butylbenzene	11.10	119	192149	21.39	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	198708	21.69	ug/l	97
85) sec-Butylbenzene	11.33	105	230818	21.05	ug/l	100
86) p-Isopropyltoluene	11.48	119	210077	21.39	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	113527	20.83	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	113582	19.99	ug/l	98
89) n-Butylbenzene	11.89	91	186719	20.61	ug/l	98
90) Hexachloroethane	12.15	117	34697	19.87	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	110456	20.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18023	20.65	ug/l	98

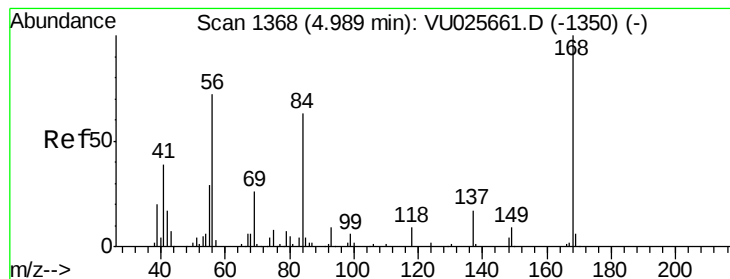
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	76311	21.17	ug/l	99
94) Hexachlorobutadiene	13.70	225	37534	19.75	ug/l	98
95) Naphthalene	13.74	128	228093	20.45	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	77459	21.54	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

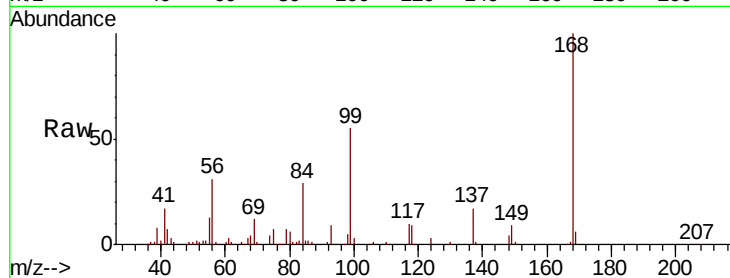
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 171436

Ion Ratio Lower Upper

168 100

99 54.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

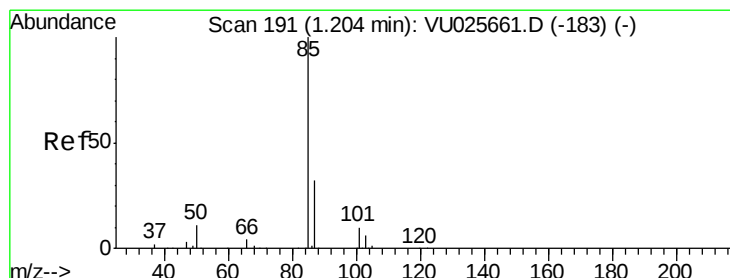
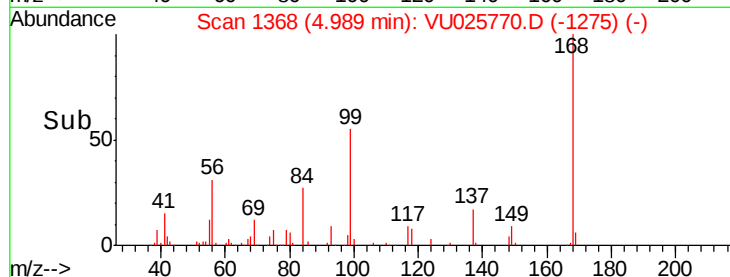
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.49 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025770.D

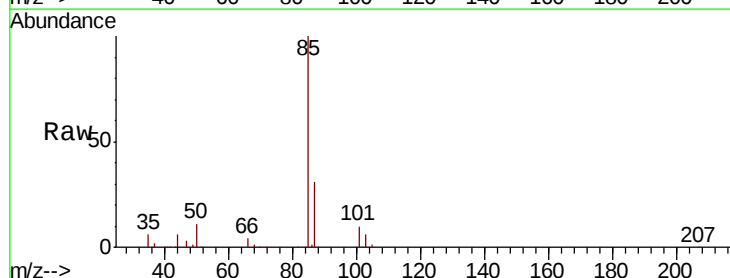
Acq: 01 Aug 2018 12:30

Tgt Ion: 85 Resp: 58273

Ion Ratio Lower Upper

85 100

87 30.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

1.21

60000

50000

40000

30000

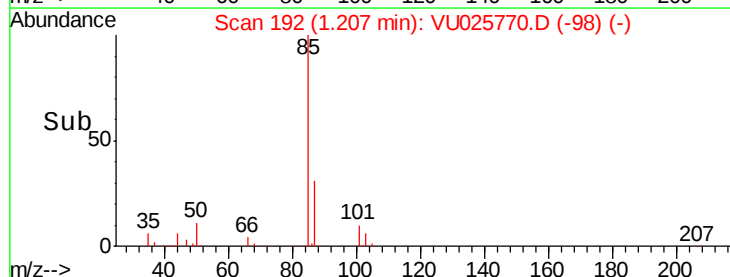
20000

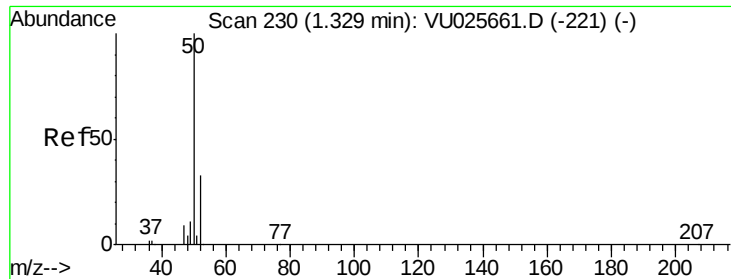
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.32 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

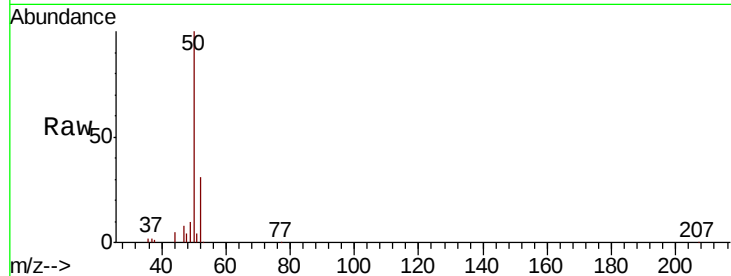
ClientSampleId :

Tot Ion: 50 Resp: 50327

Ion Ratio Lower Upper

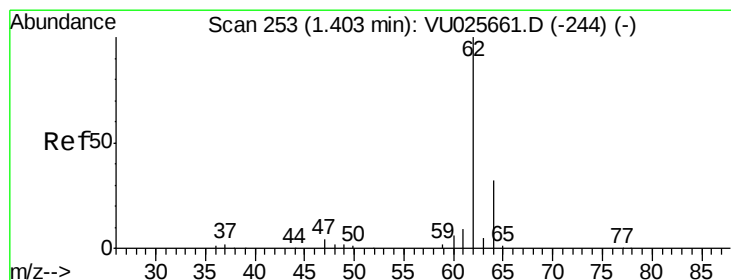
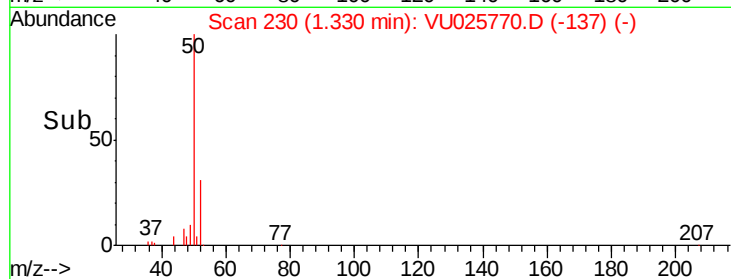
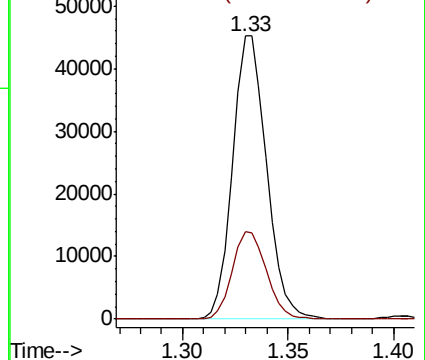
50 100

52 31.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.89 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025770.D

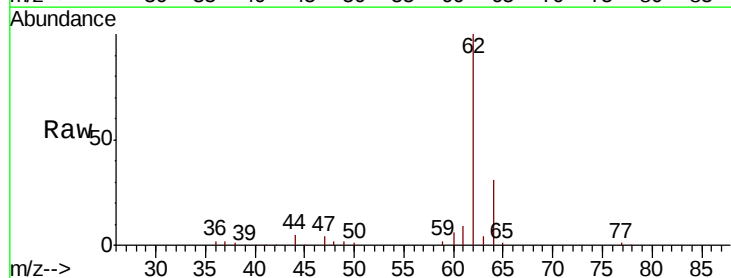
Acq: 01 Aug 2018 12:30

Tgt Ion: 62 Resp: 48678

Ion Ratio Lower Upper

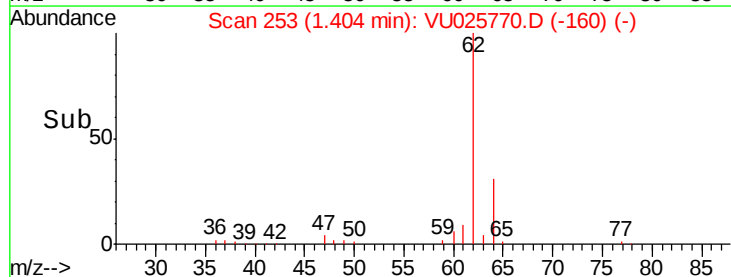
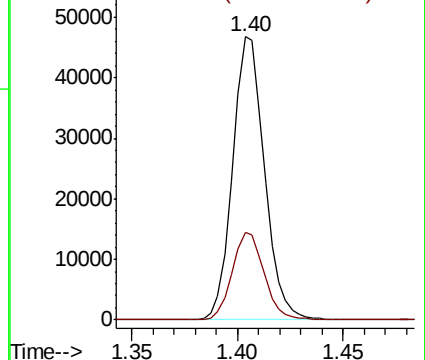
62 100

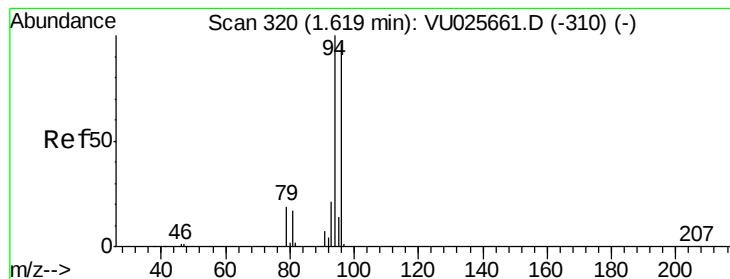
64 30.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.44 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

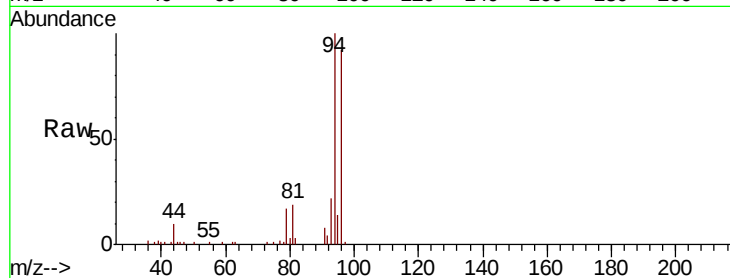
ClientSampleId :

Tot Ion: 94 Resp: 24407

Ion Ratio Lower Upper

94 100

96 91.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU025770.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025770.D (-227) (-)

1.63

20000

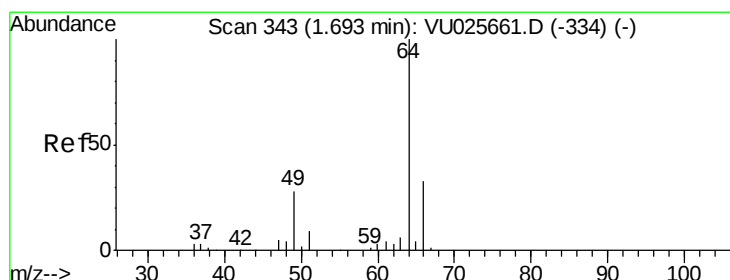
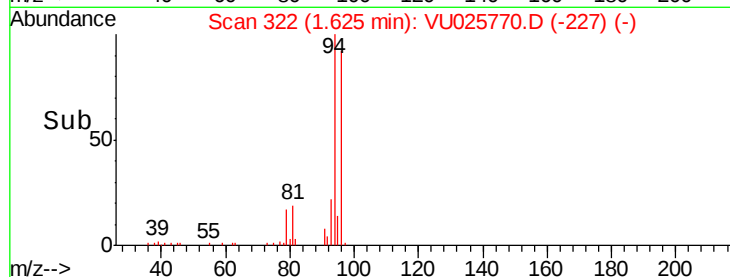
15000

10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 20.47 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025770.D

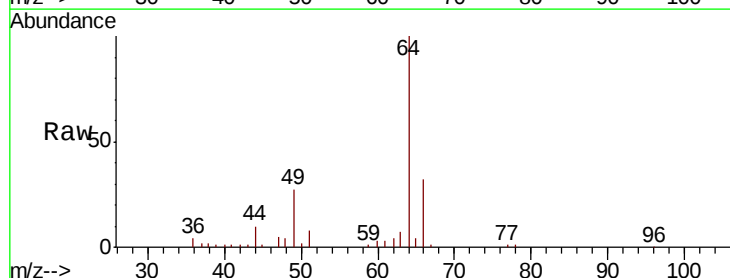
Acq: 01 Aug 2018 12:30

Tgt Ion: 64 Resp: 27897

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025770.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025770.D (-250) (-)

1.70

25000

20000

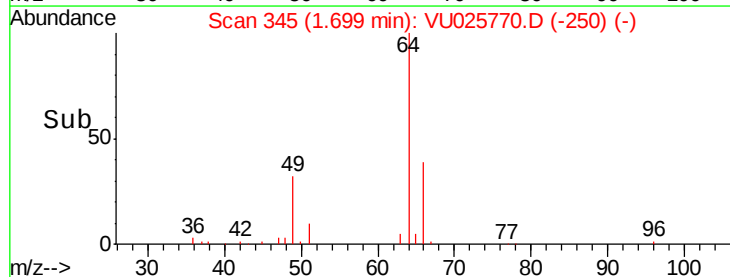
15000

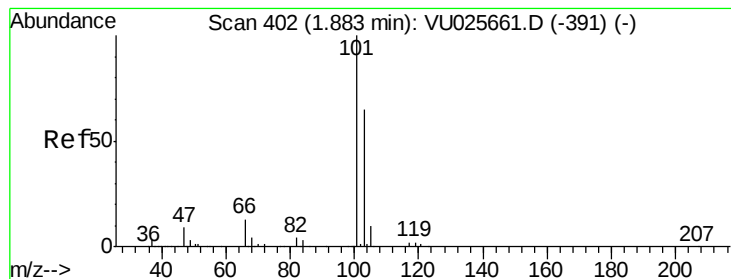
10000

5000

0

Time--> 1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 20.92 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

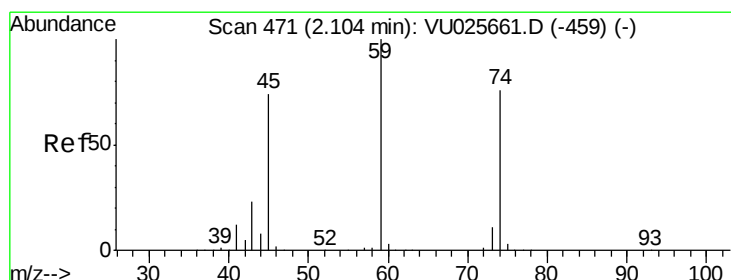
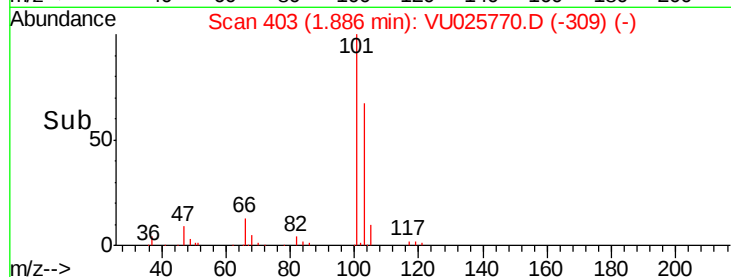
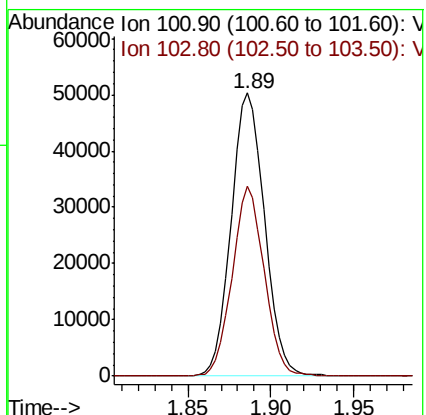
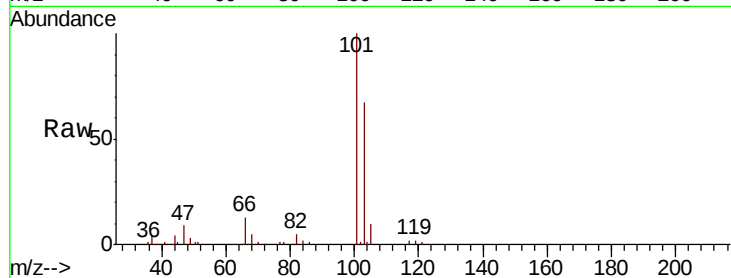
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:101 Resp: 70485

Ion Ratio Lower Upper

101 100

103 67.2 52.2 78.2



#8

Diethyl Ether

Concen: 20.02 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025770.D

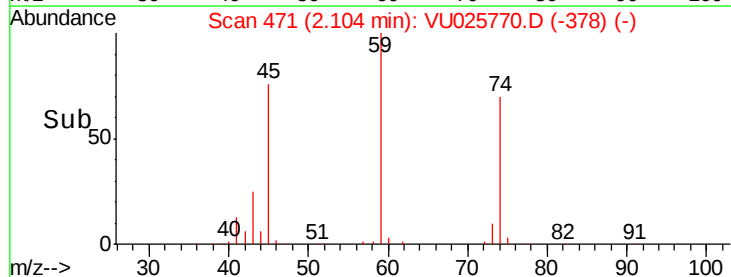
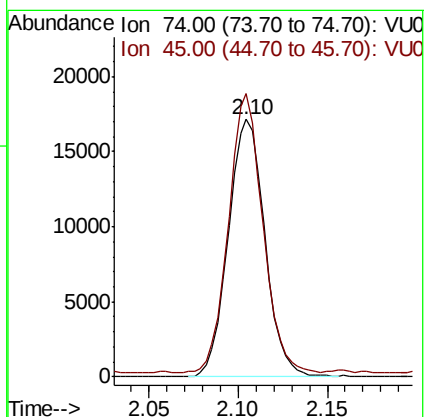
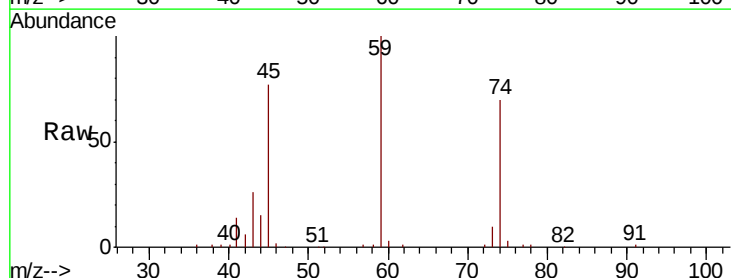
Acq: 01 Aug 2018 12:30

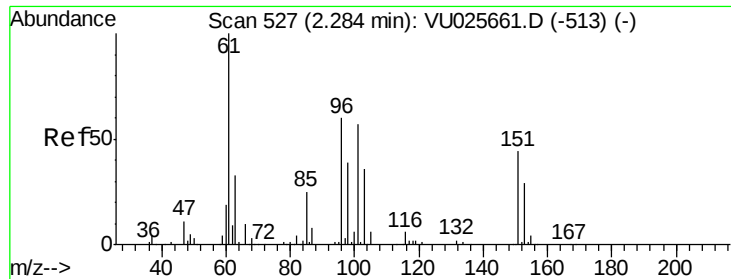
Tgt Ion: 74 Resp: 24415

Ion Ratio Lower Upper

74 100

45 101.6 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.72 ug/l

RT: 2.29 min Scan# 528

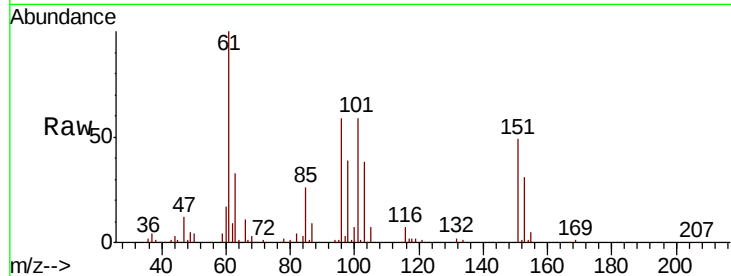
Delta R.T. 0.00 min

Lab File: VU025770.D

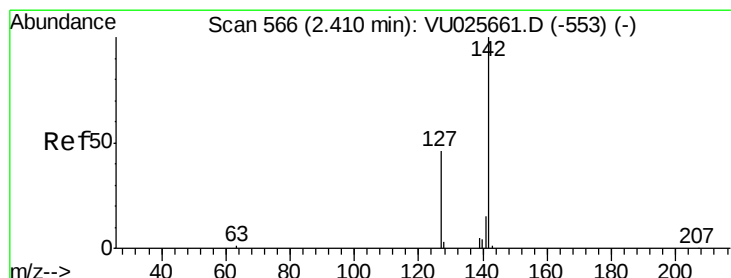
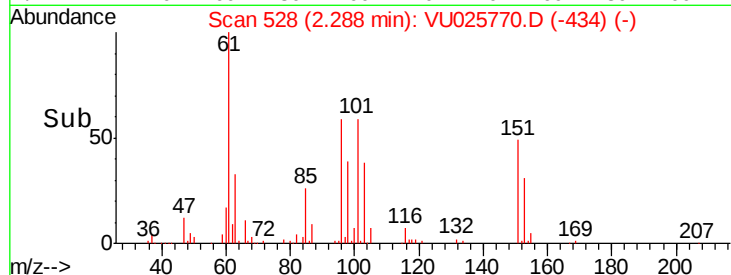
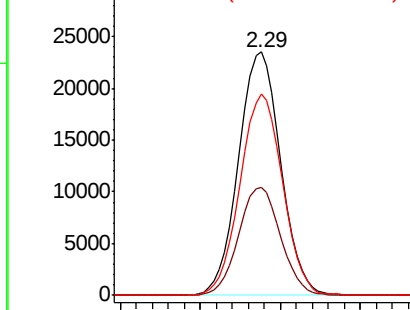
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	101	Resp:	42347
Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.0	54.0
151	83.5	65.6	98.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.79 ug/l

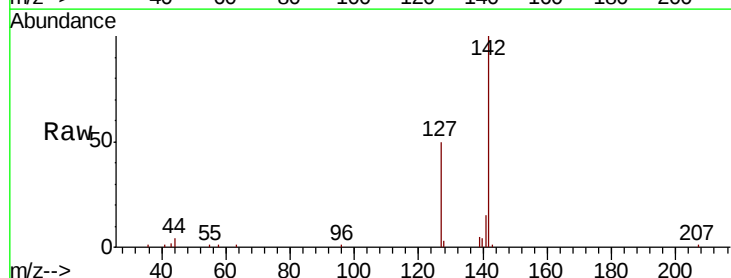
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

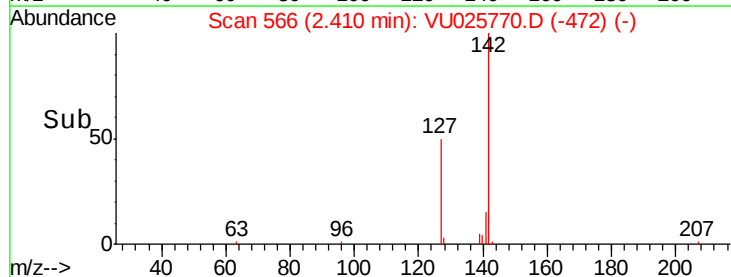
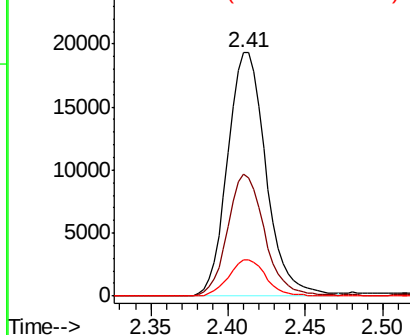
Lab File: VU025770.D

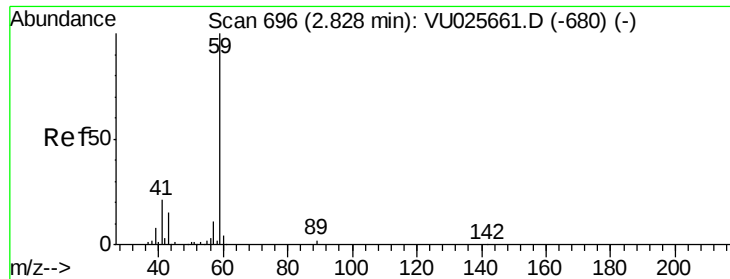
Acq: 01 Aug 2018 12:30

Tgt Ion:	142	Resp:	33381
Ion	Ratio	Lower	Upper
142	100		
127	48.1	36.5	54.7
141	14.3	11.4	17.2



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

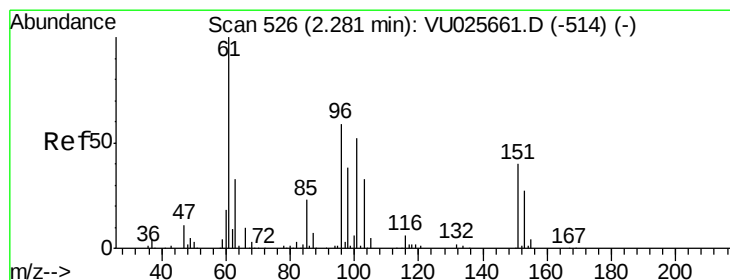
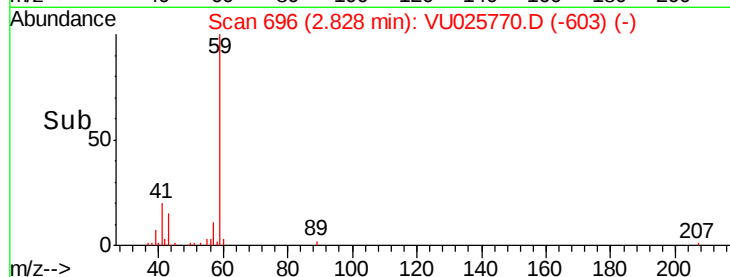
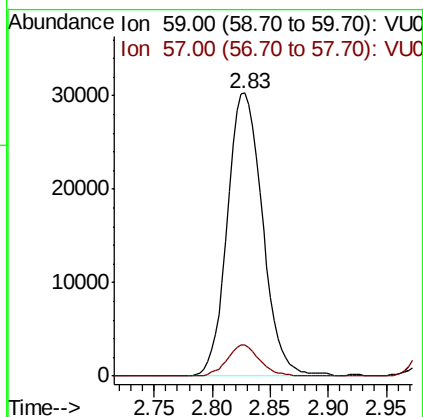
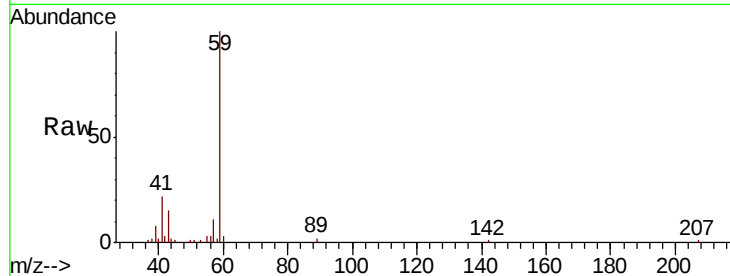




#11
Tert butyl alcohol
Concen: 108.93 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

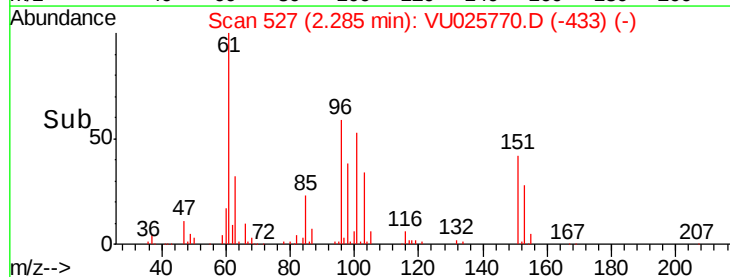
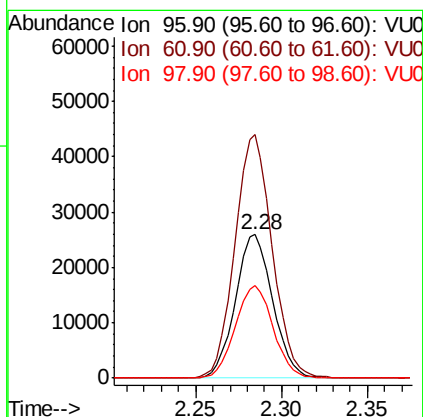
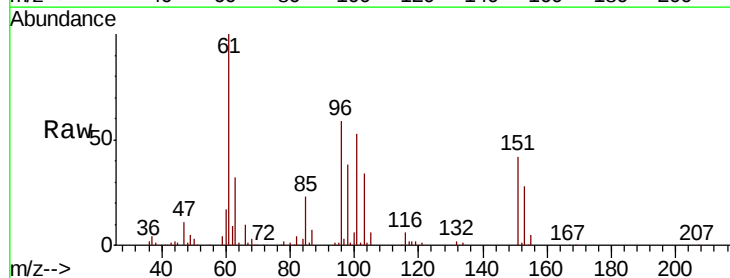
Instrument :
MSVOA_U
ClientSampleId :

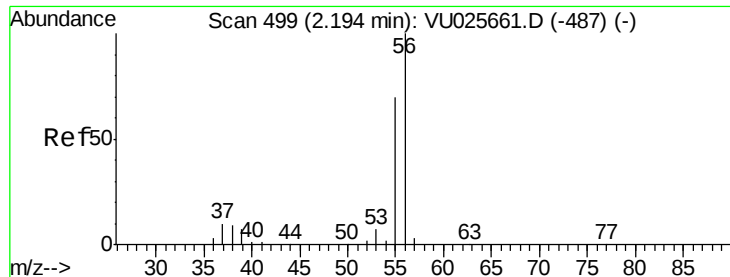
Tot Ion: 59 Resp: 63704
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 21.30 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 96 Resp: 39210
Ion Ratio Lower Upper
96 100
61 169.6 140.2 210.4
98 64.4 49.3 73.9





#13

Acrolein

Concen: 110.17 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

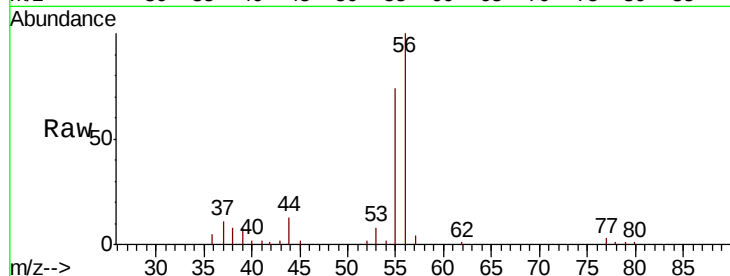
ClientSampleId :

Tot Ion: 56 Resp: 23574

Ion Ratio Lower Upper

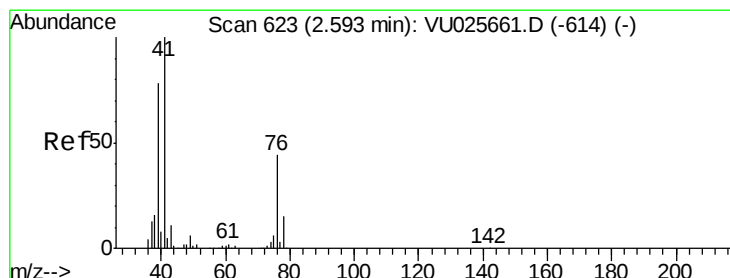
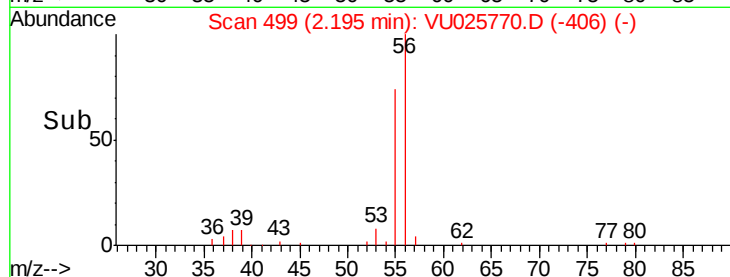
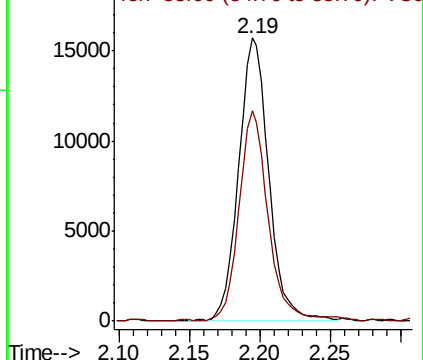
56 100

55 72.5 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.79 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

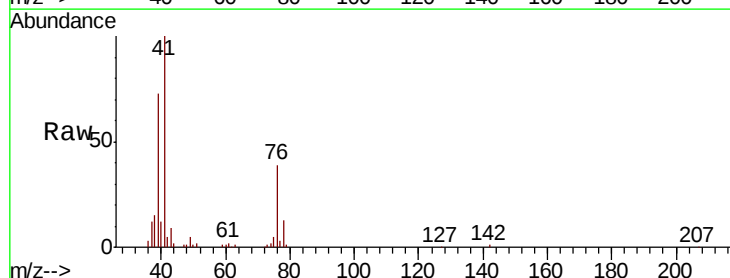
Tgt Ion: 41 Resp: 65476

Ion Ratio Lower Upper

41 100

39 74.5 60.6 91.0

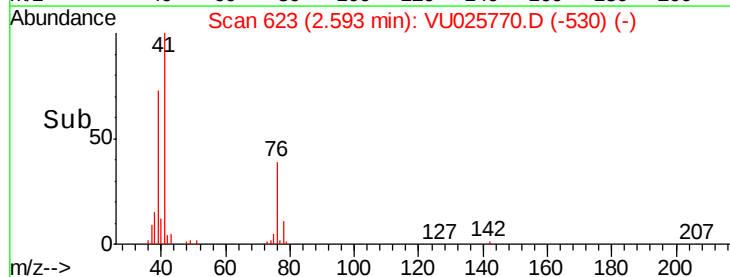
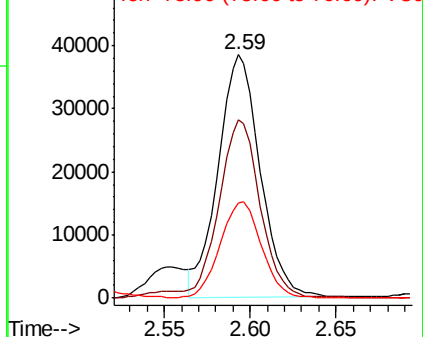
76 39.0 30.5 45.7

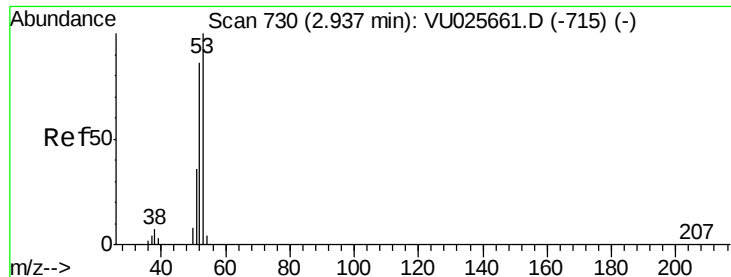


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 107.97 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

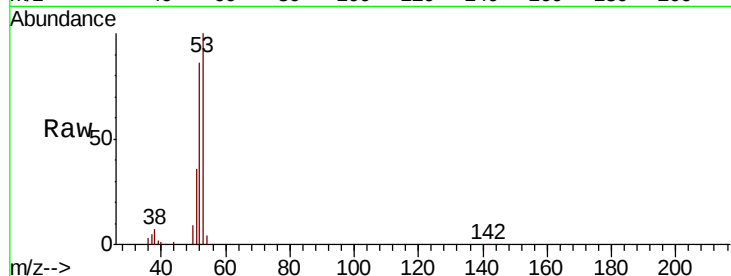
Tot Ion: 53 Resp: 126065

Ion Ratio Lower Upper

53 100

52 84.1 66.6 99.8

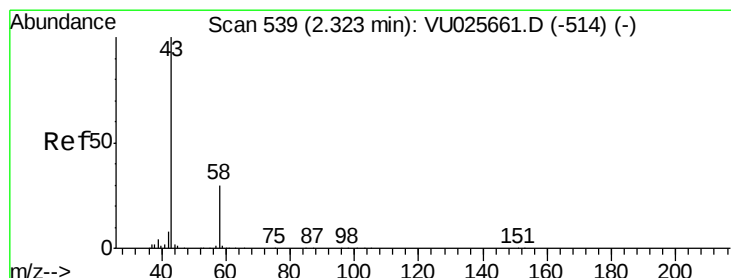
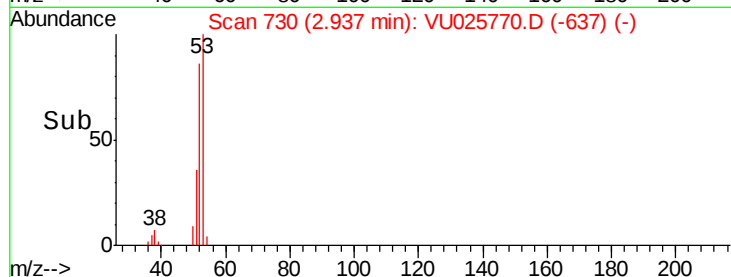
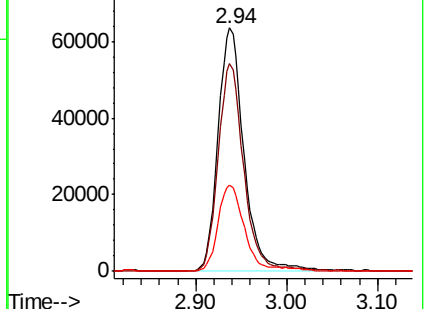
51 36.7 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 98.83 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025770.D

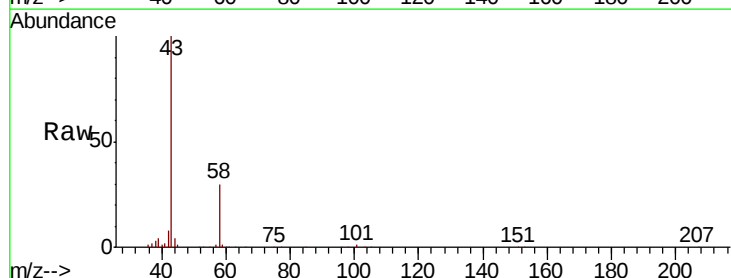
Acq: 01 Aug 2018 12:30

Tgt Ion: 43 Resp: 128703

Ion Ratio Lower Upper

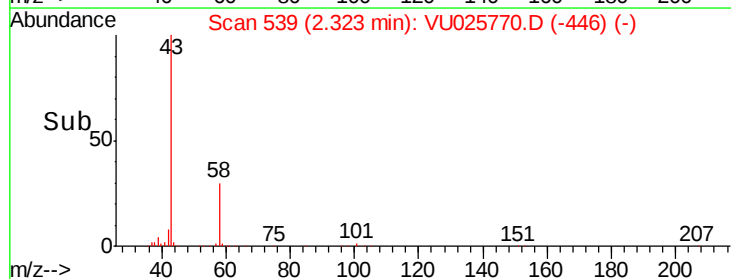
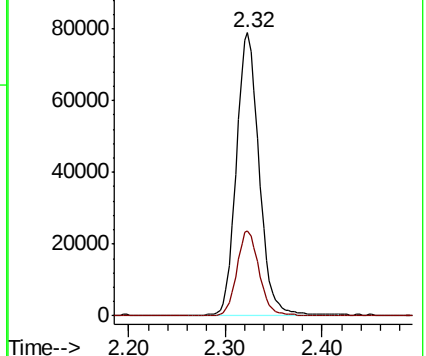
43 100

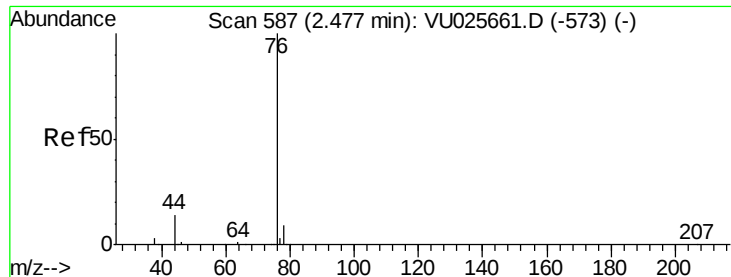
58 30.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

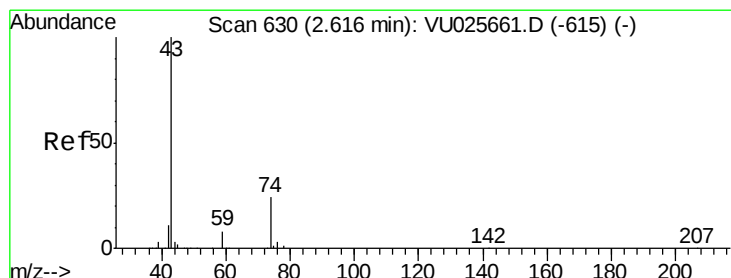
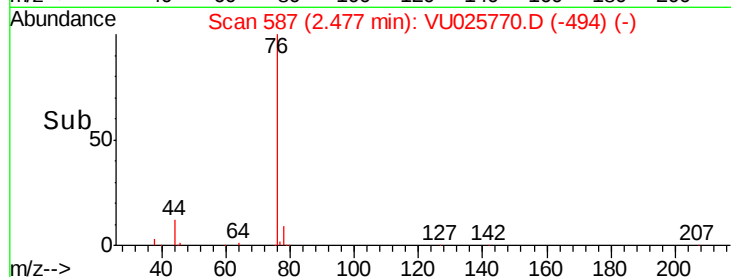
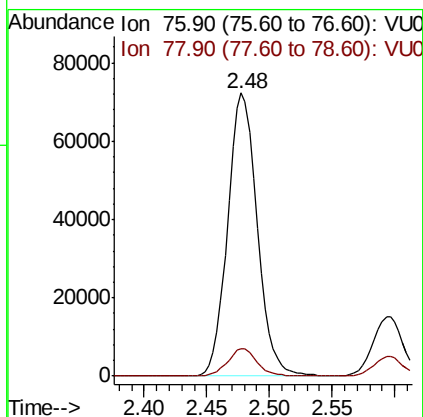
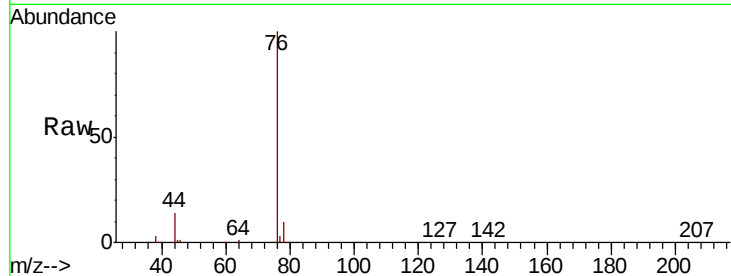




#17
Carbon Disulfide
Concen: 19.88 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

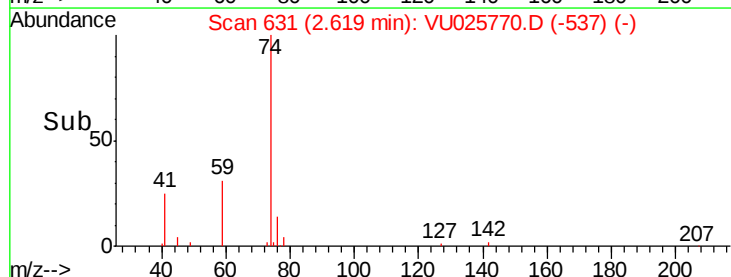
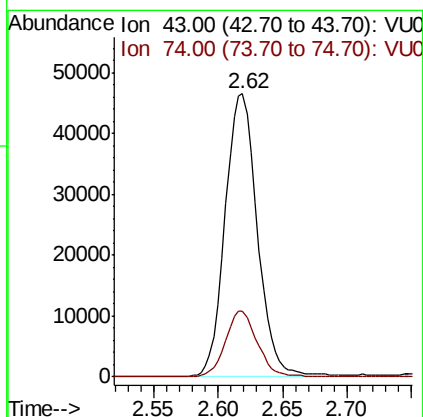
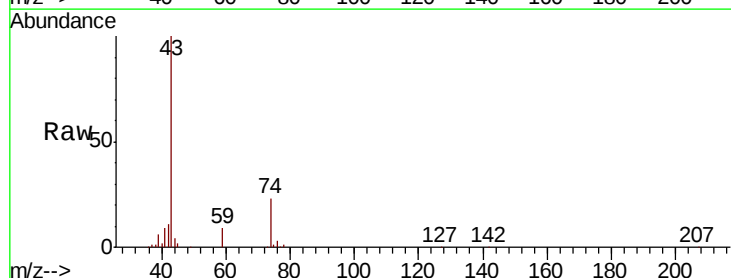
Instrument :
MSVOA_U
ClientSampleId :

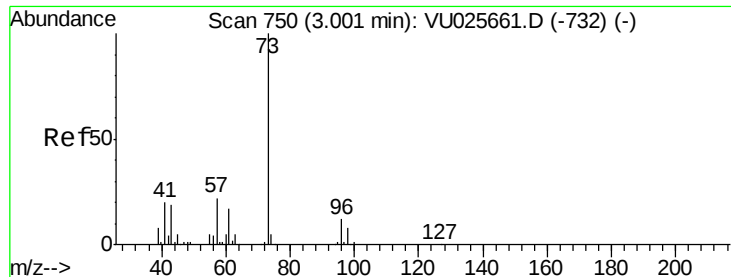
Tot Ion: 76 Resp: 118432
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#18
Methyl Acetate
Concen: 25.51 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 43 Resp: 79962
Ion Ratio Lower Upper
43 100
74 23.3 18.5 27.7

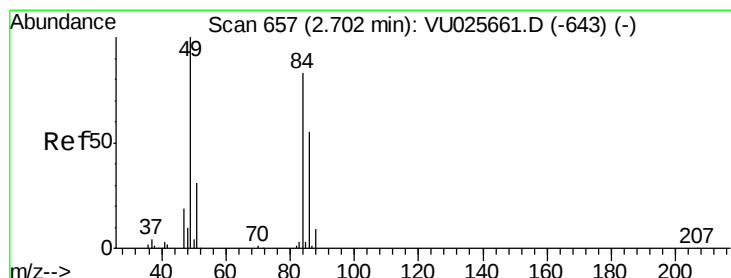
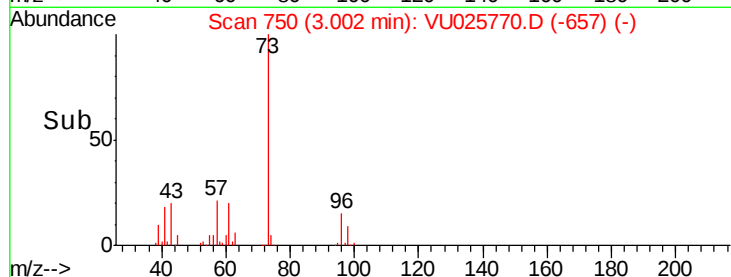
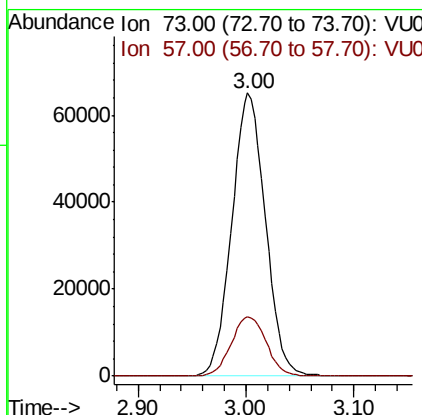
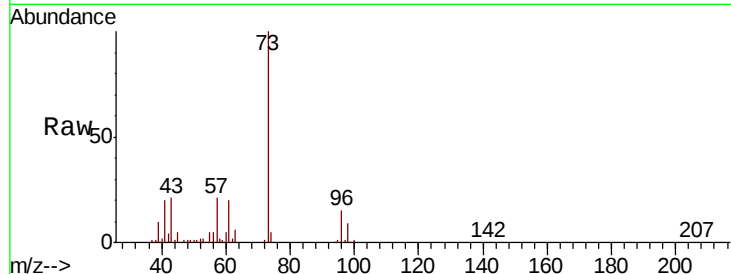




#19
Methvl tert-butvl Ether
Concen: 21.15 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

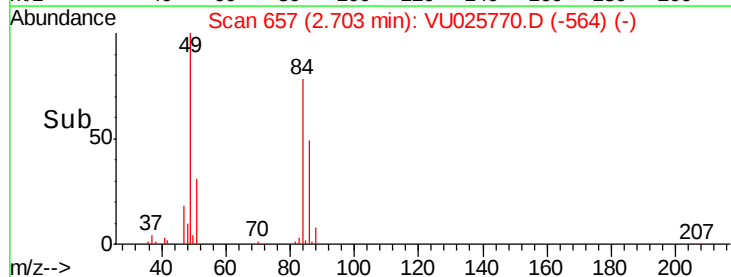
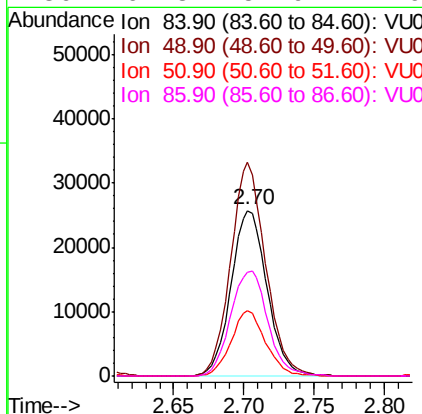
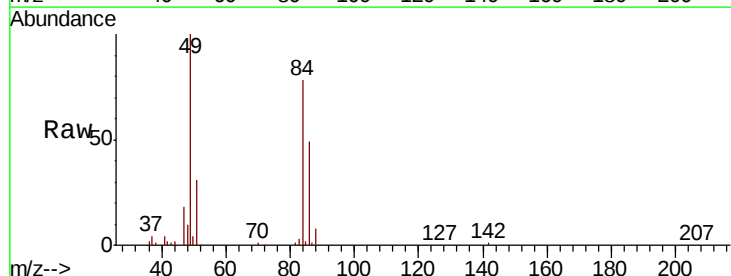
Instrument :
MSVOA_U
ClientSampleId :

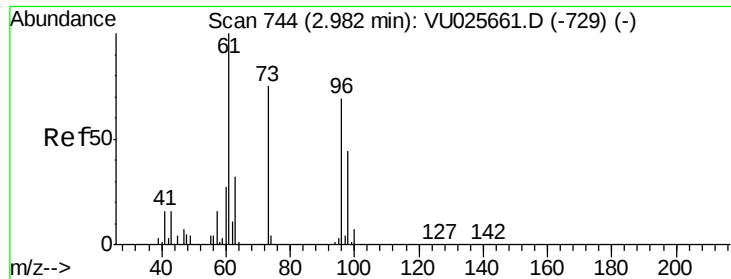
Tot Ion: 73 Resp: 141111
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.2



#20
Methylene Chloride
Concen: 19.86 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 84 Resp: 45838
Ion Ratio Lower Upper
84 100
49 129.0 101.8 152.6
51 39.7 30.8 46.2
86 62.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.66 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

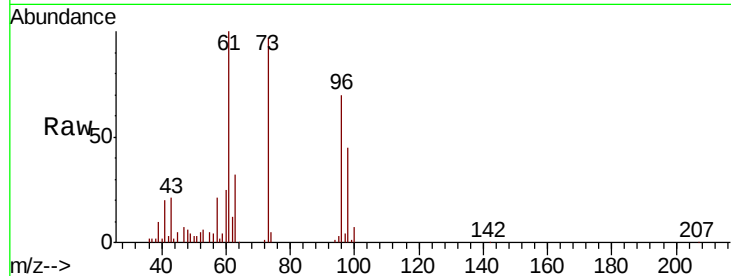
Tot Ion: 96 Resp: 43952

Ion Ratio Lower Upper

96 100

61 142.9 114.5 171.7

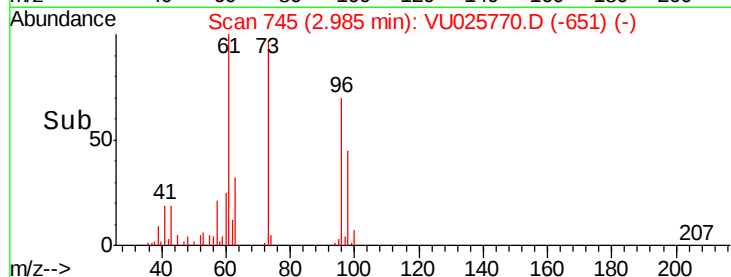
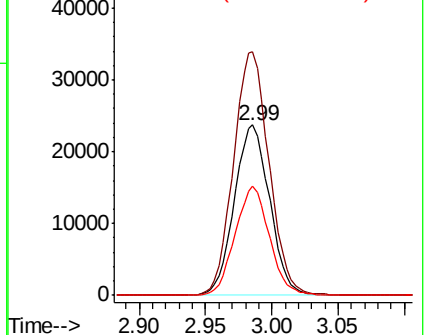
98 63.8 50.5 75.7



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: 21.77 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion: 45 Resp: 141902

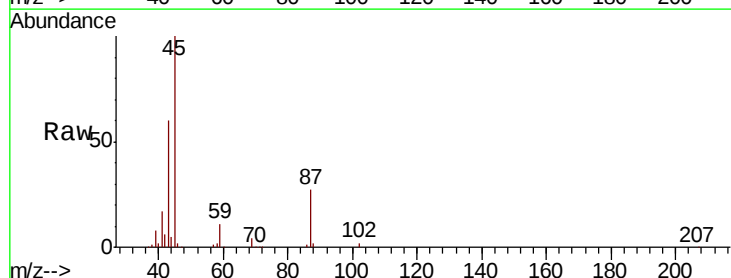
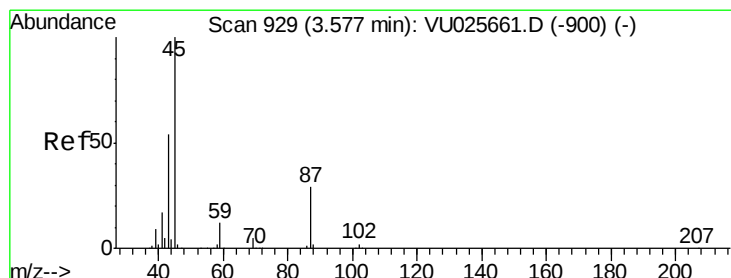
Ion Ratio Lower Upper

45 100

43 57.1 50.9 76.3

87 26.7 23.8 35.8

59 10.6 9.0 13.4

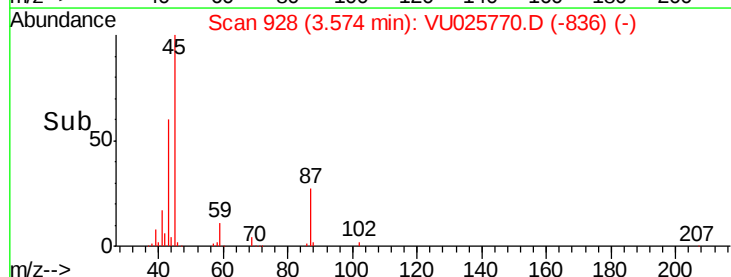
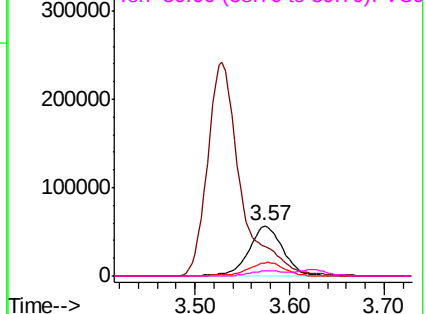


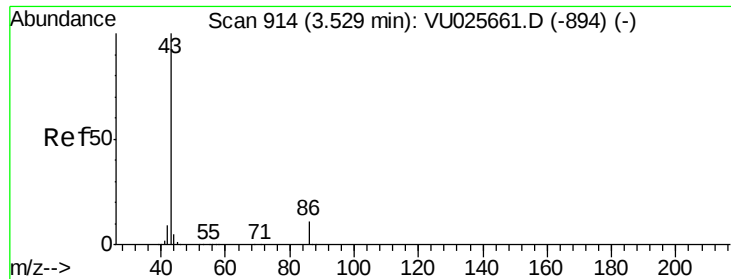
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 104.00 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

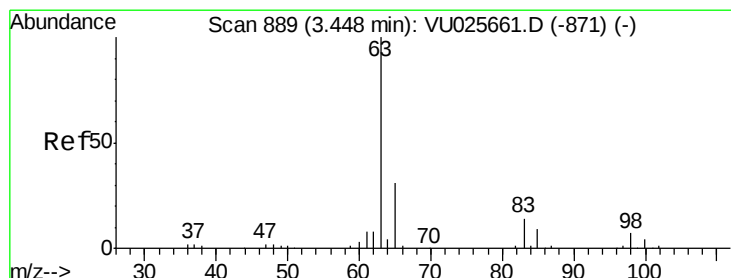
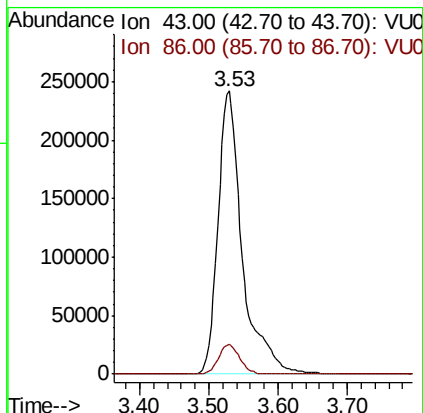
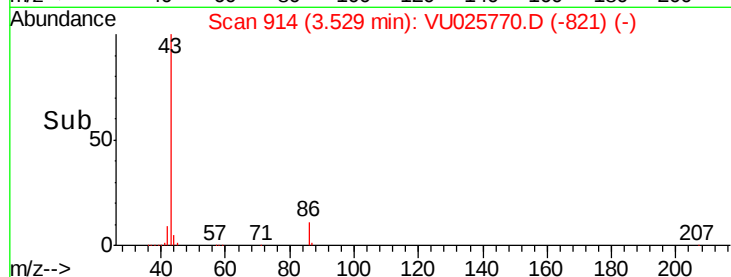
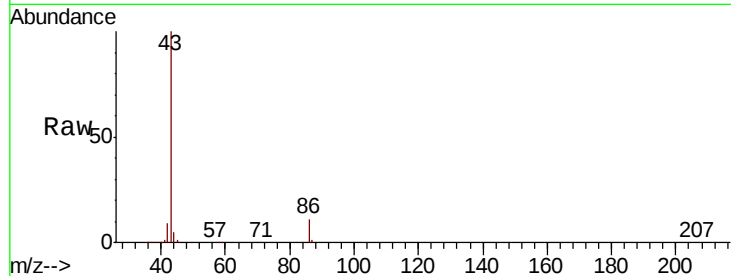
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 590794

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



#24

1,1-Dichloroethane

Concen: 21.24 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

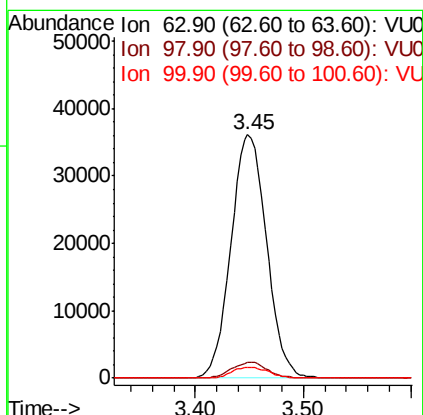
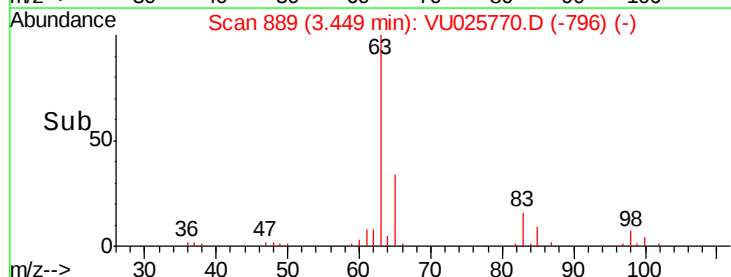
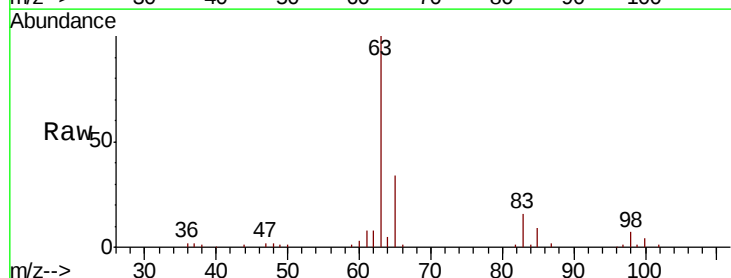
Tgt Ion: 63 Resp: 83104

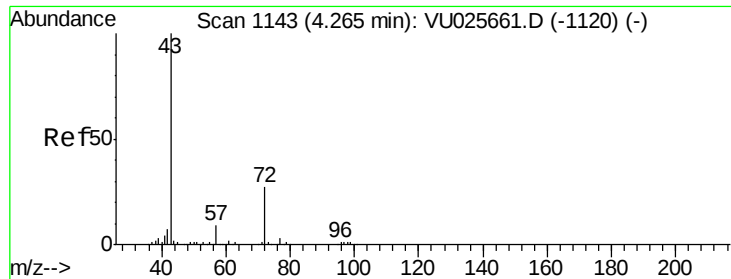
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.5 2.0 6.0

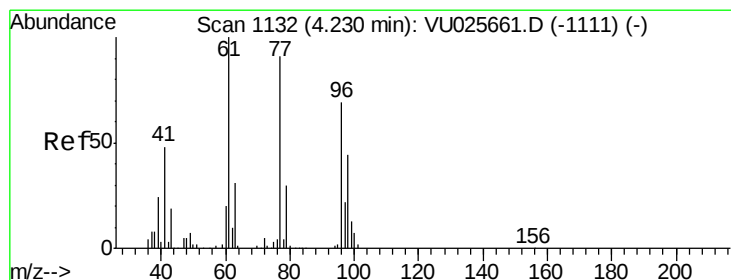
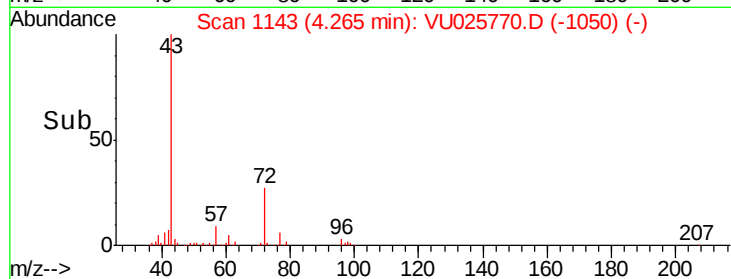
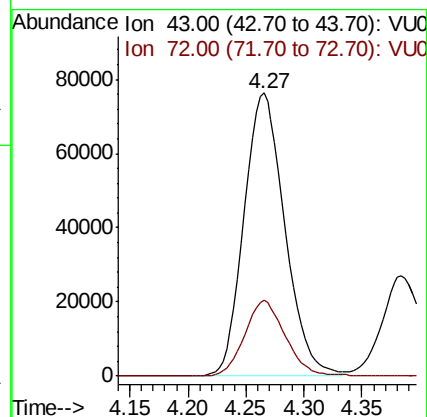
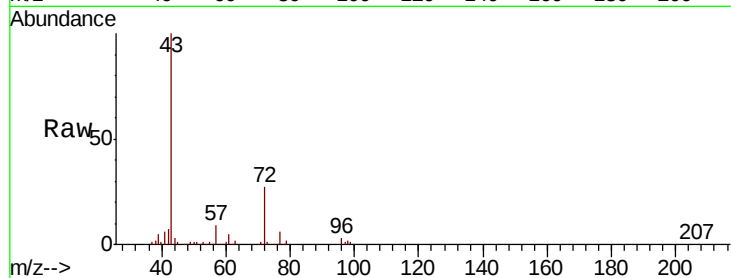




#25
 2-Butanone
 Concen: 105.21 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

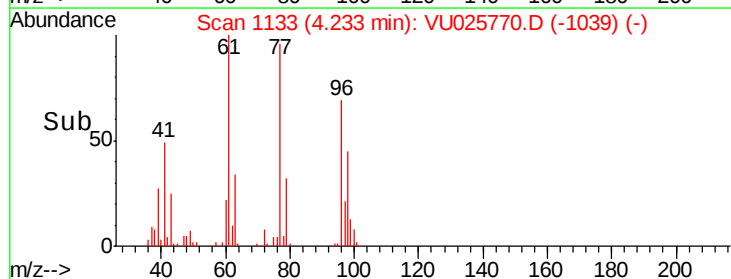
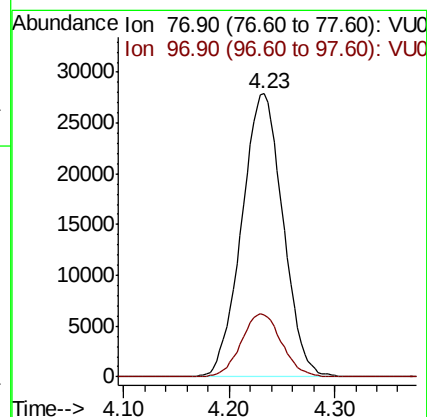
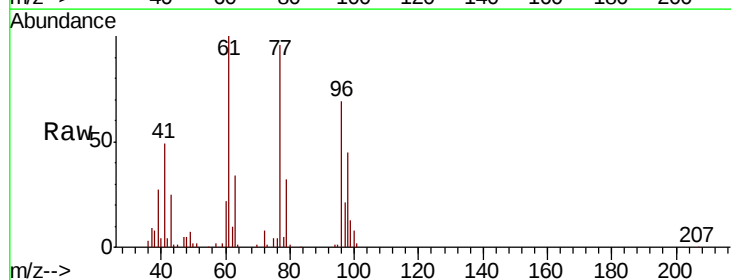
Instrument :
 MSVOA_U
 ClientSampleId :

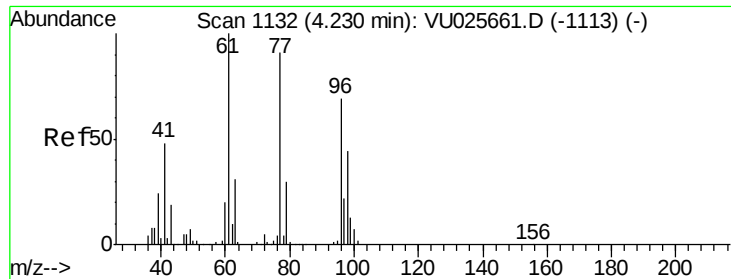
Tot Ion: 43 Resp: 186509
 Ion Ratio Lower Upper
 43 100
 72 26.7 21.0 31.4



#26
 2,2-Dichloropropane
 Concen: 21.34 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion: 77 Resp: 75897
 Ion Ratio Lower Upper
 77 100
 97 21.6 11.2 33.5

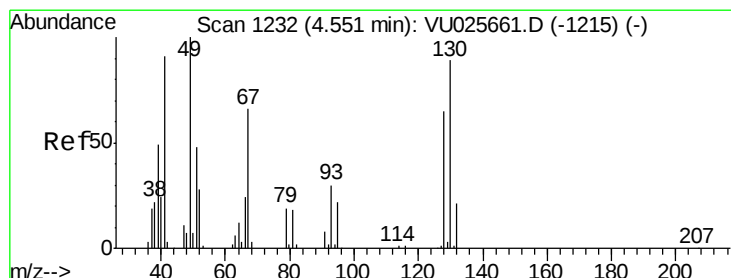
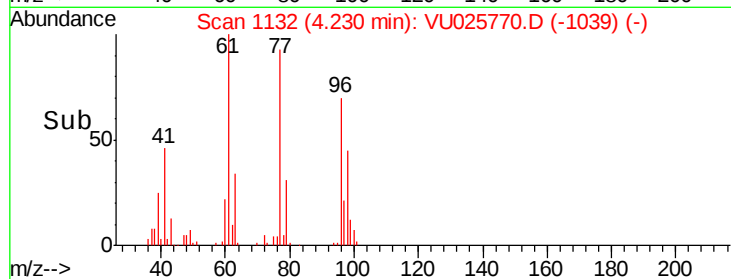
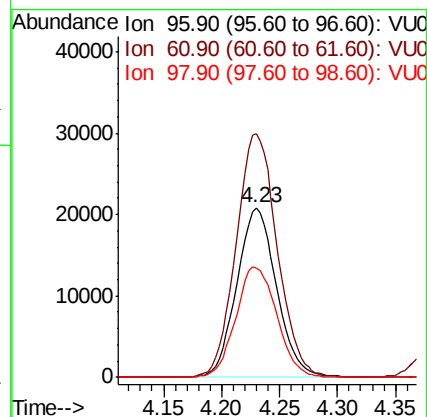
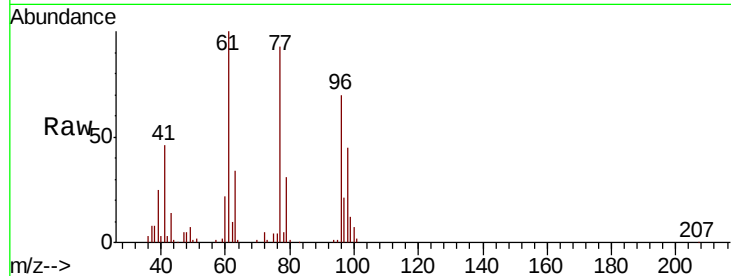




#27
 cis-1,2-Dichloroethene
 Concen: 20.64 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

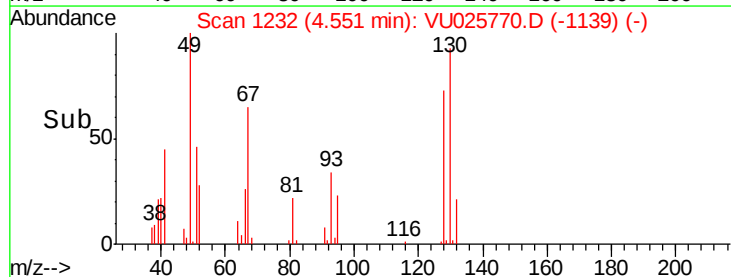
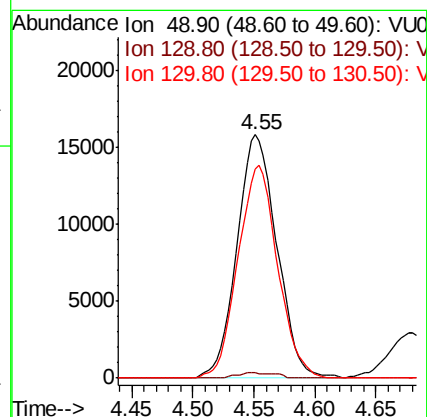
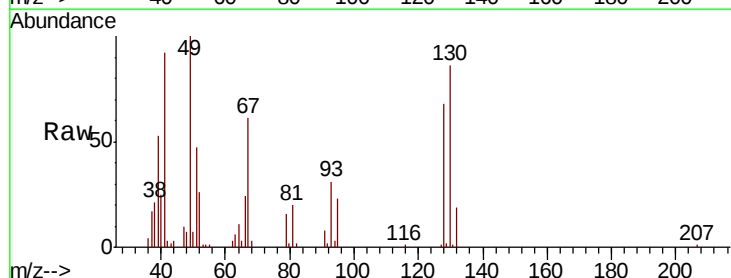
Instrument :
 MSVOA_U
 ClientSampleId :

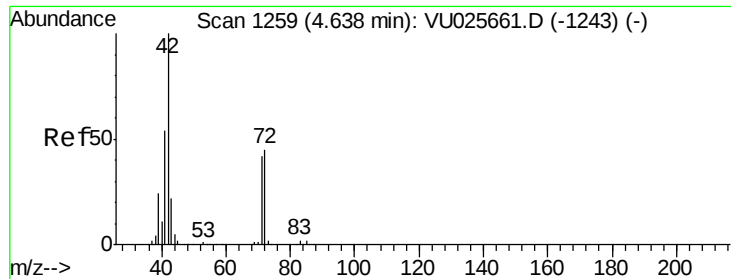
Tot Ion	96	Resp	49513
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	299.8
98	67.4	0.0	128.6



#28
 Bromochloromethane
 Concen: 20.51 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	49	Resp	35887
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	86.5	68.6	102.8





#29

Tetrahydrofuran

Concen: 107.28 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

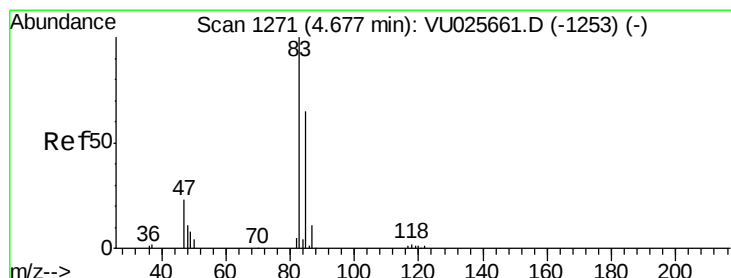
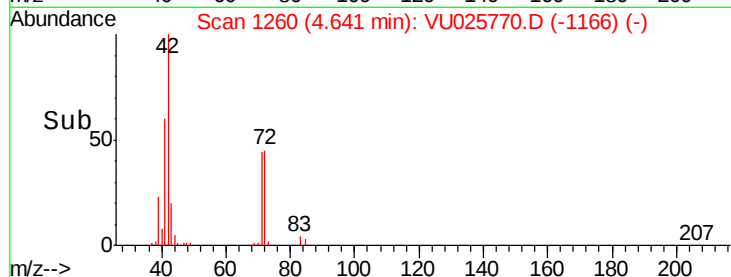
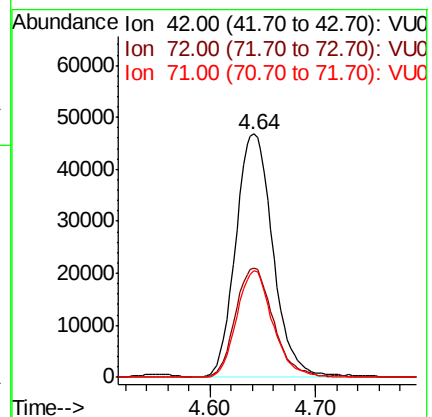
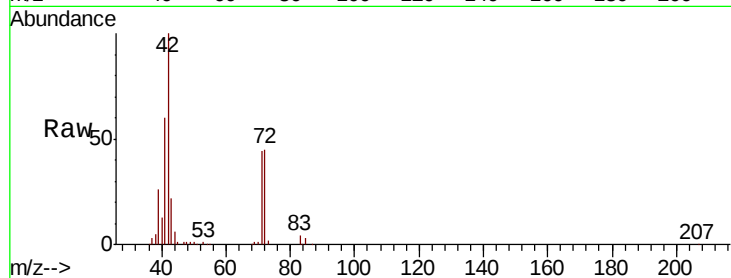
Tot Ion: 42 Resp: 113940

Ion Ratio Lower Upper

42 100

72 46.0 36.7 55.1

71 42.8 33.9 50.9



#30

Chloroform

Concen: 21.05 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025770.D

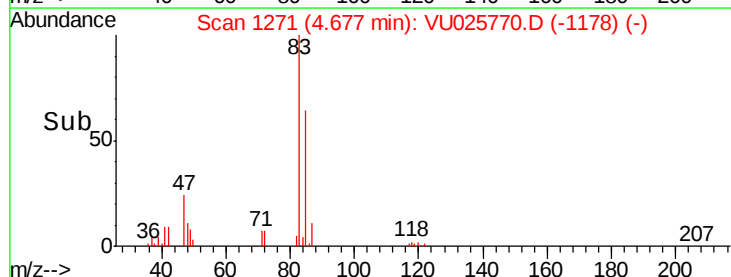
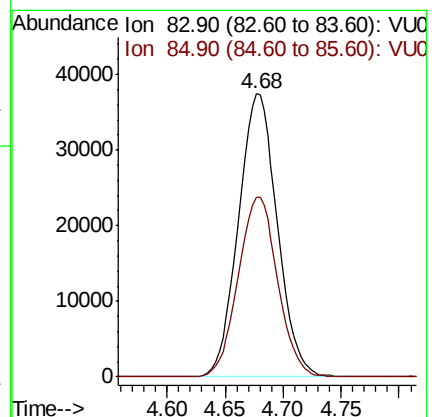
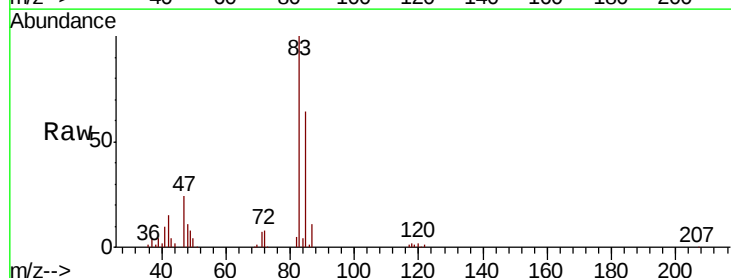
Acq: 01 Aug 2018 12:30

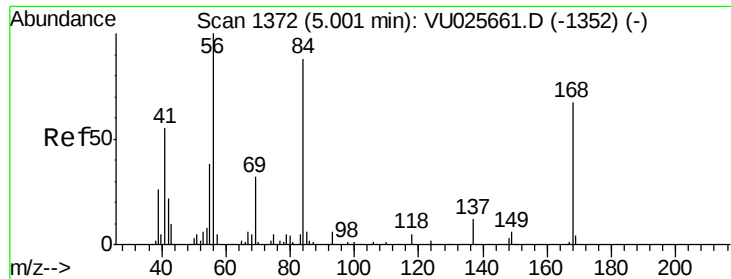
Tgt Ion: 83 Resp: 86945

Ion Ratio Lower Upper

83 100

85 63.5 51.5 77.3





#31

Cyclohexane

Concen: 20.46 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

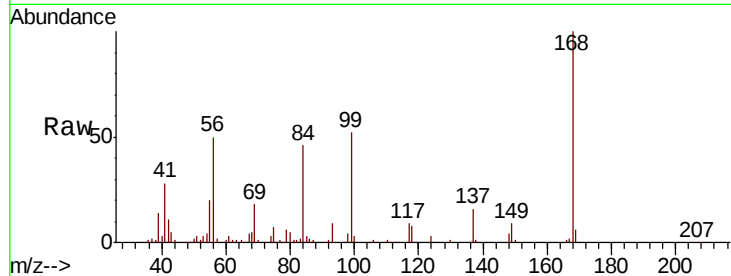
Tot Ion: 56 Resp: 72360

Ion Ratio Lower Upper

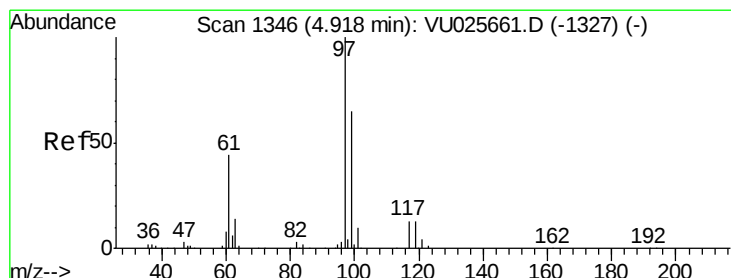
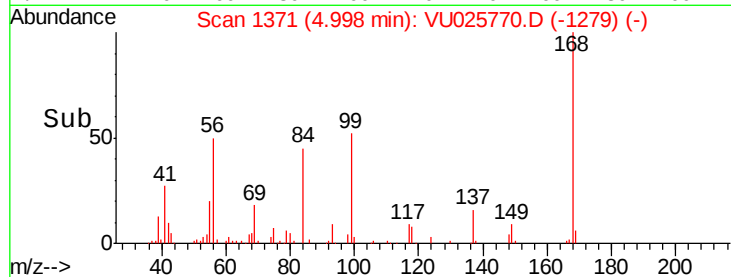
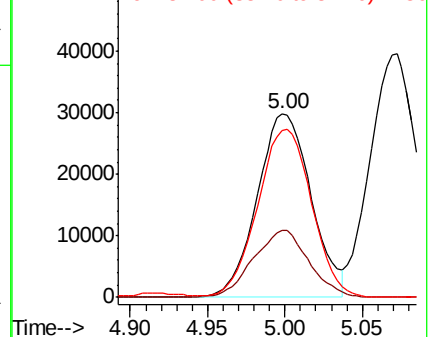
56 100

69 36.4 26.8 40.2

84 89.8 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 21.67 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

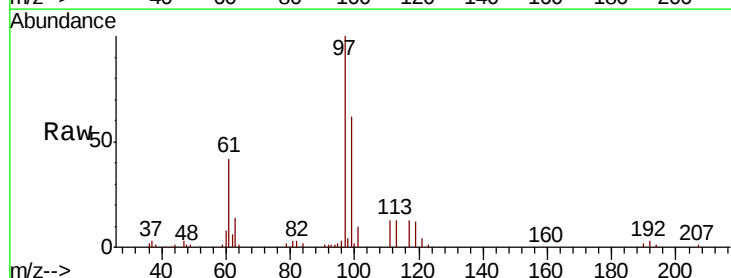
Tgt Ion: 97 Resp: 80601

Ion Ratio Lower Upper

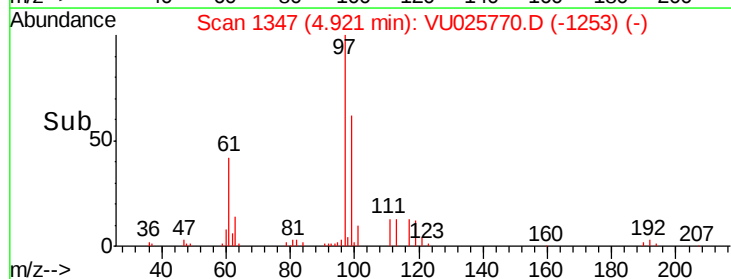
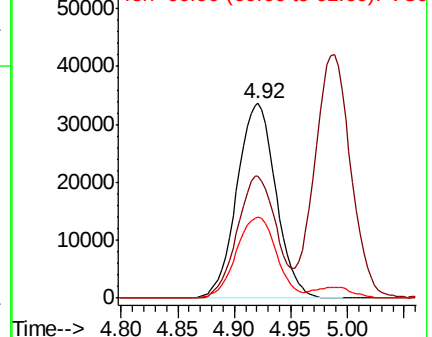
97 100

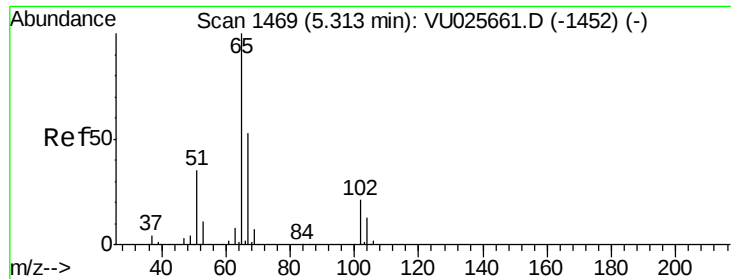
99 62.2 50.8 76.2

61 42.8 35.2 52.8



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

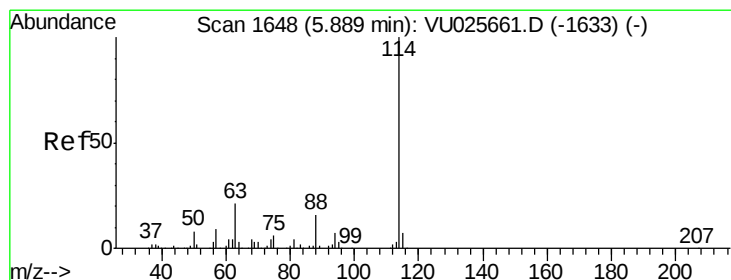
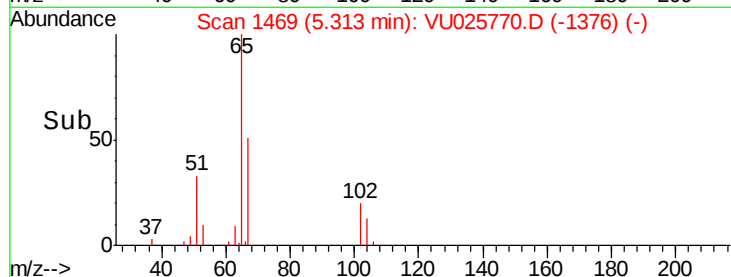
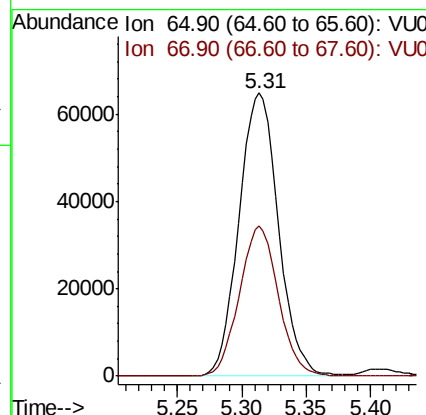
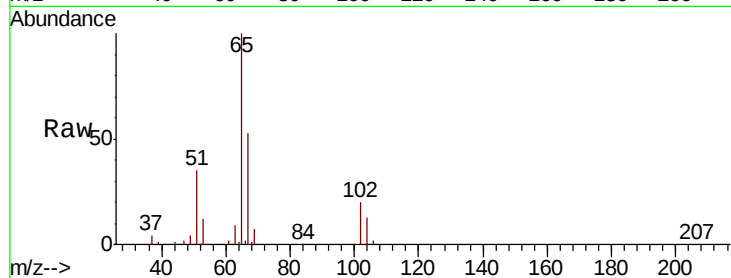




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

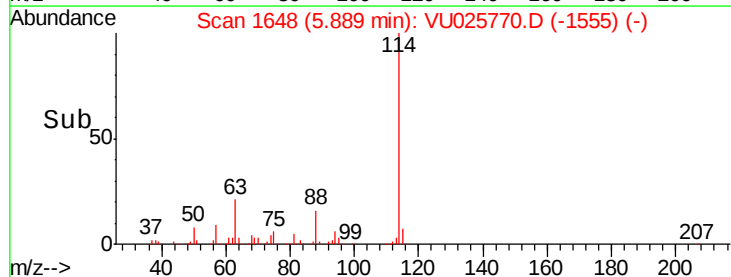
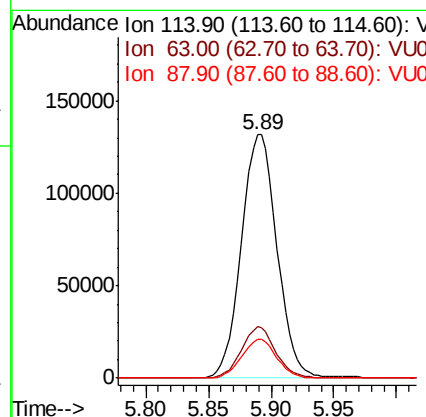
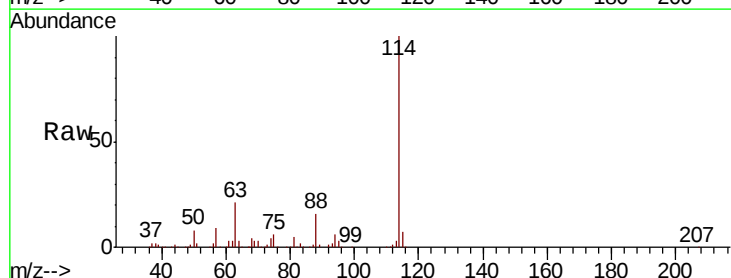
Instrument :
 MSVOA_U
 ClientSampleId :

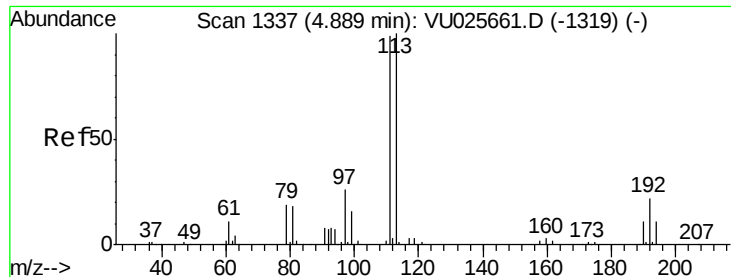
Tot Ion: 65 Resp: 138128
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion: 114 Resp: 260294
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 16.1 0.0 32.4

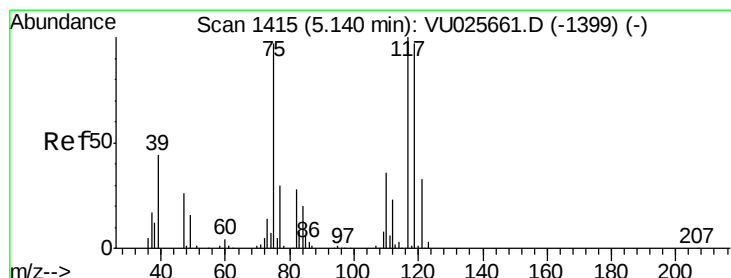
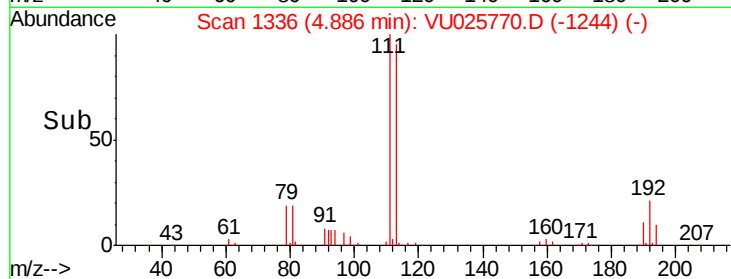
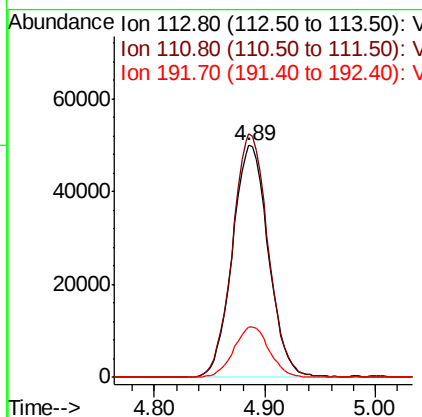
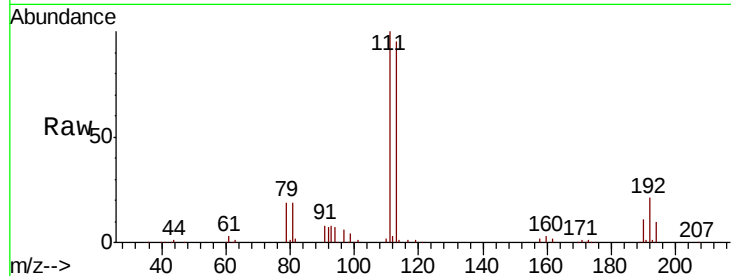




#35
 Dibromofluoromethane
 Concen: 50.01 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

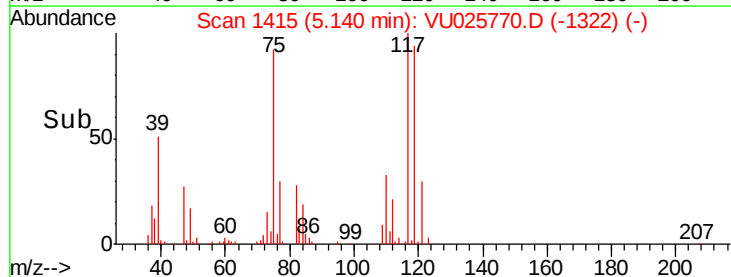
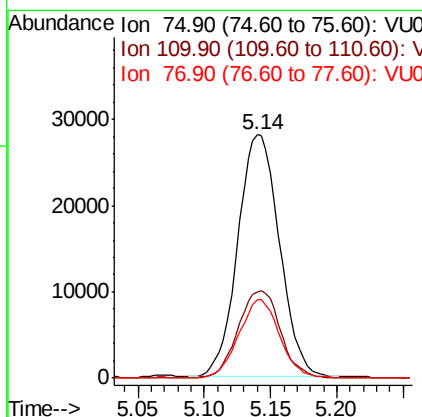
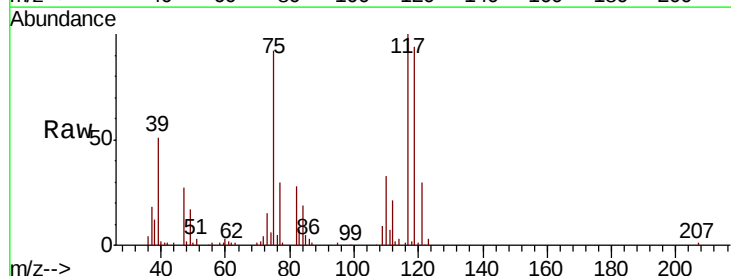
Instrument :
 MSVOA_U
 ClientSampleId :

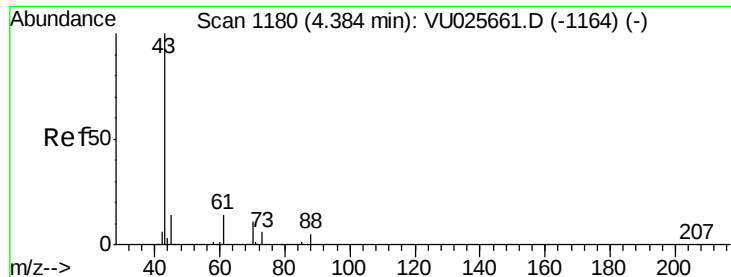
Tot Ion	Ion	Ratio	Lower	Upper
113	113	100		
111	111	103.7	81.7	122.5
192	192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 20.21 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
75	75	100		
110	110	36.5	17.6	52.9
77	77	31.9	24.4	36.6

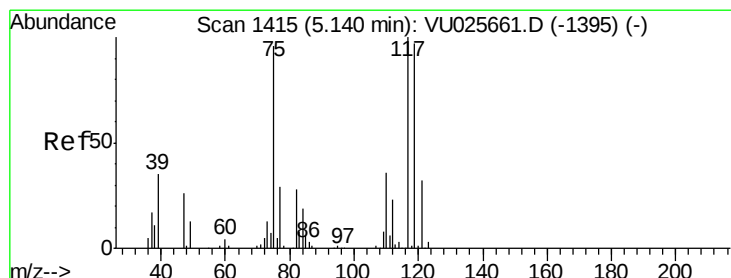
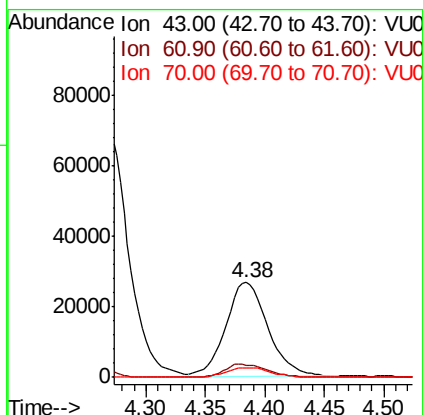
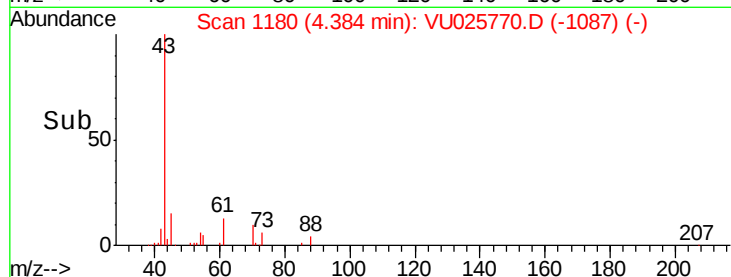
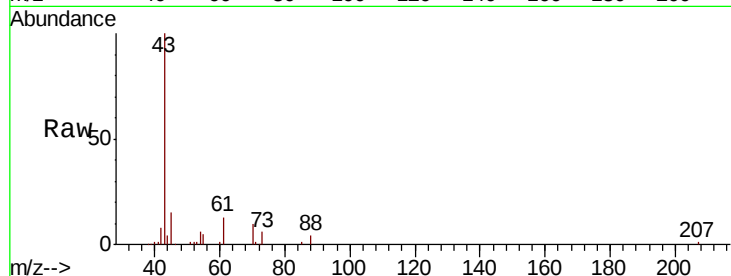




#37
Ethyl Acetate
Concen: 20.76 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

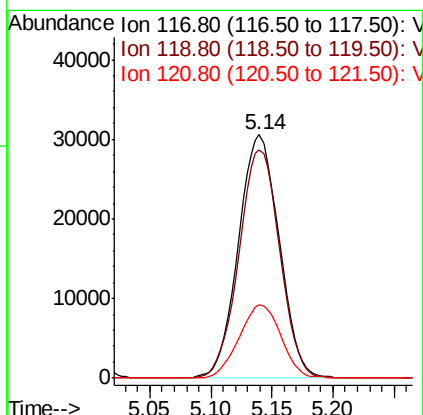
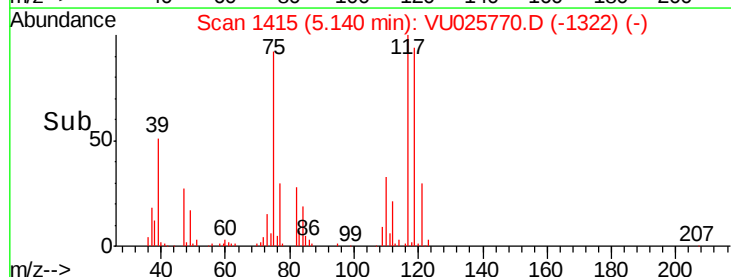
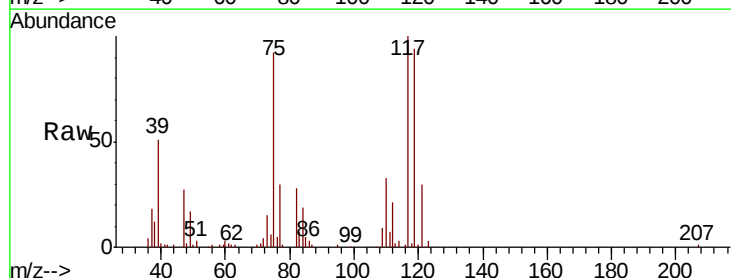
Instrument :
MSVOA_U
ClientSampleId :

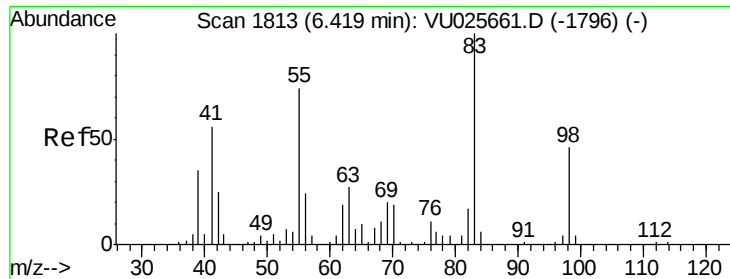
Tot Ion: 43 Resp: 65487
Ion Ratio Lower Upper
43 100
61 14.6 10.7 16.1
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.50 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 117 Resp: 70623
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 30.0 24.6 36.8

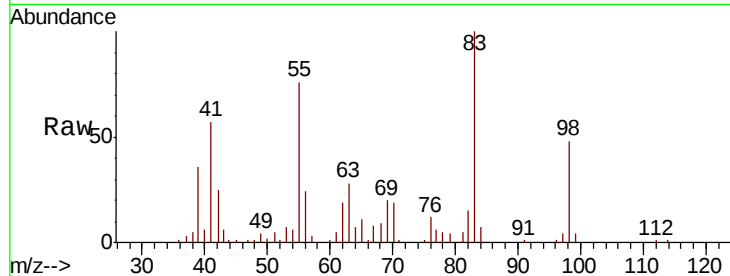




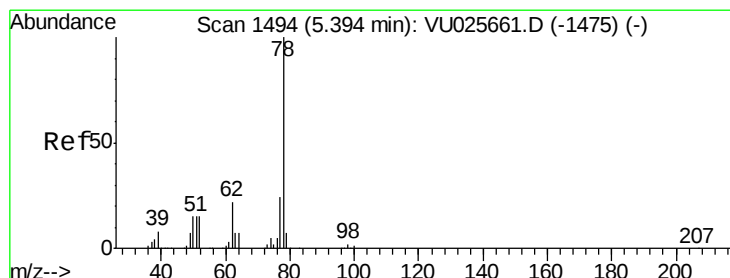
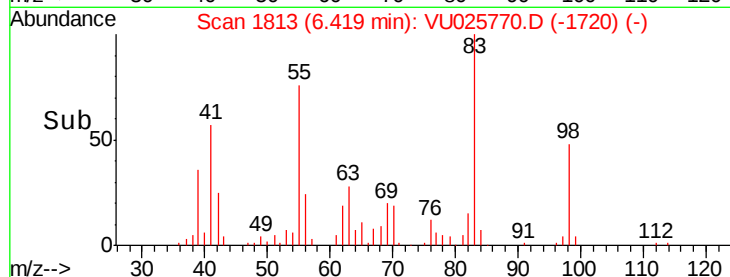
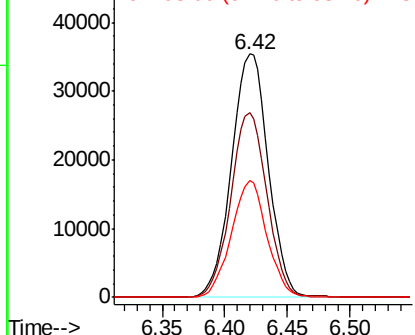
#39
Methvlcvclohexane
Concen: 20.77 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 72389
Ion Ratio Lower Upper
83 100
55 75.8 60.0 90.0
98 48.0 36.1 54.1

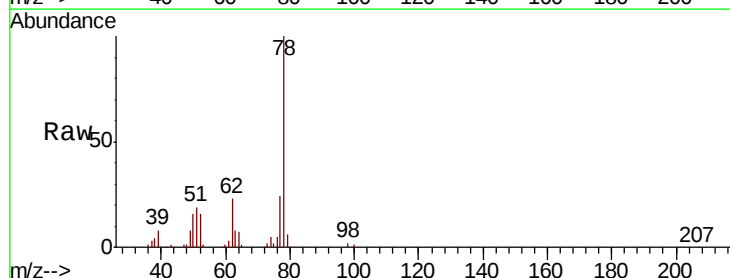


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

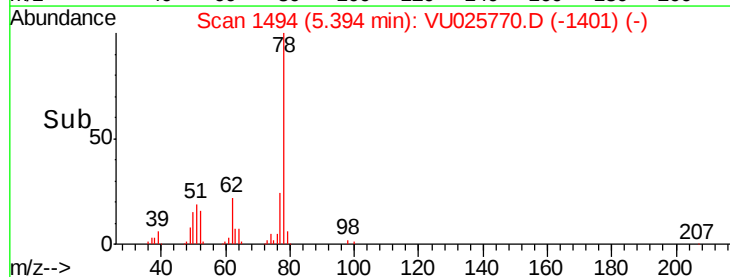
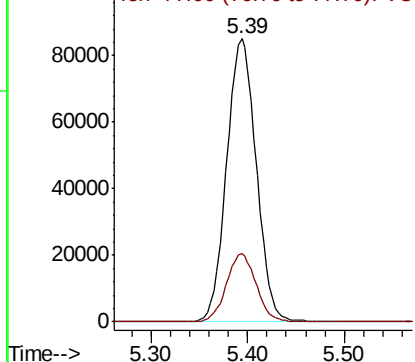


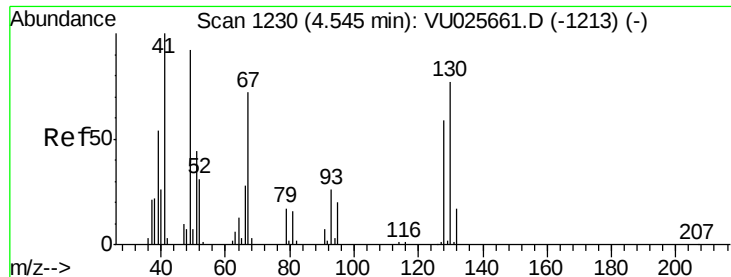
#40
Benzene
Concen: 20.40 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 78 Resp: 181409
Ion Ratio Lower Upper
78 100
77 24.3 19.8 29.6



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

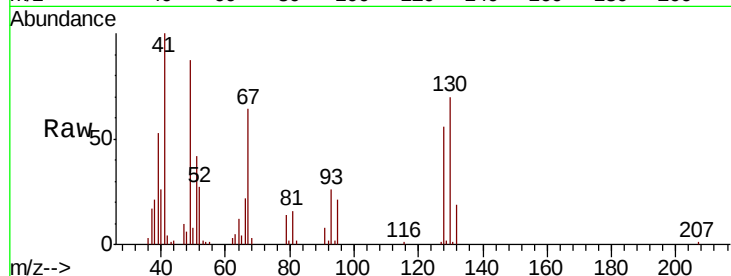




#41
Methacrylonitrile
Concen: 21.70 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	38020
Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.4	66.6
67	68.5	56.0	84.0
52	29.7	24.6	36.8



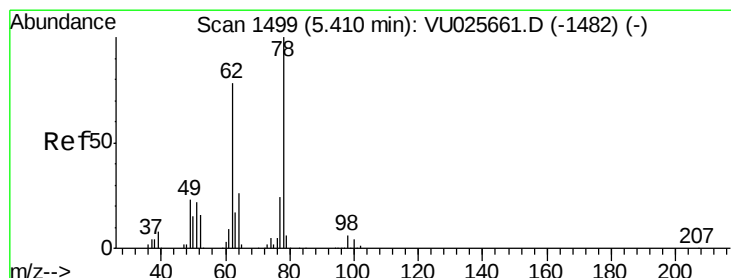
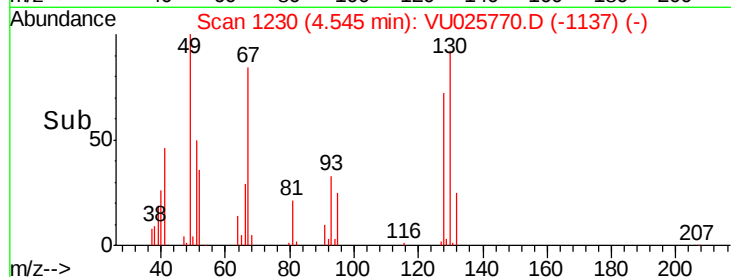
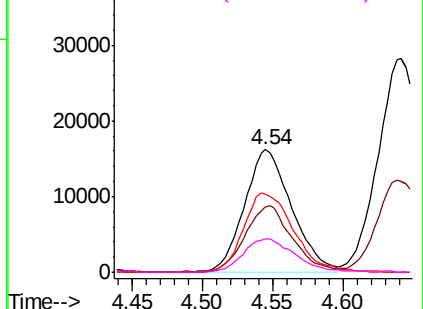
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

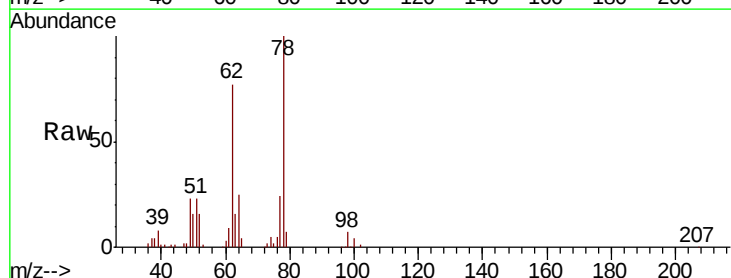
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 20.89 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

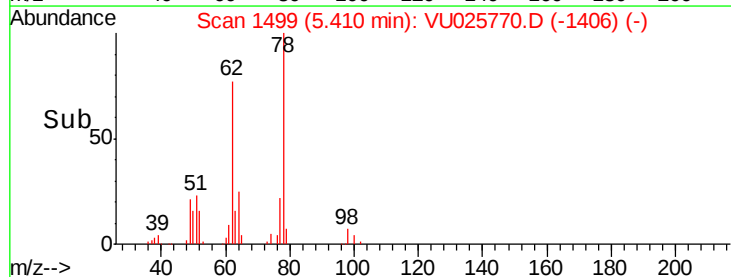
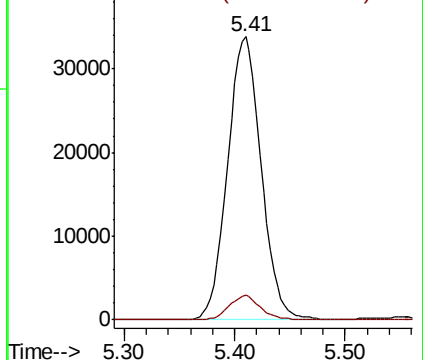
Tgt Ion:	62	Resp:	71508
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4

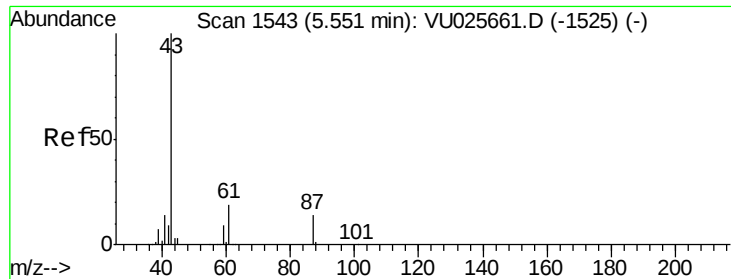


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

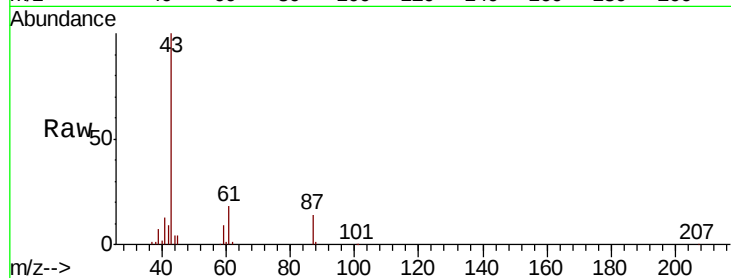




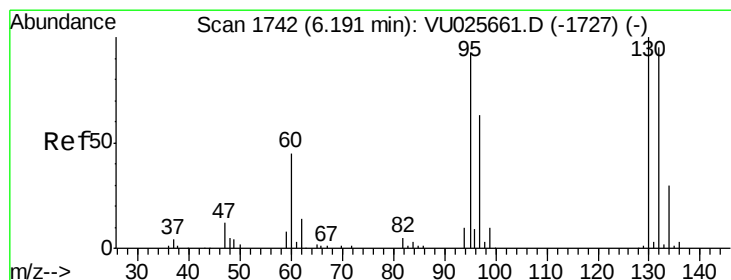
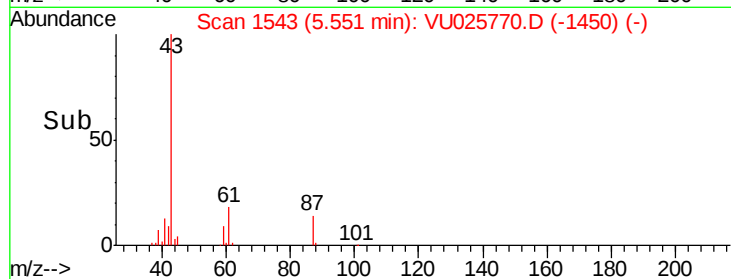
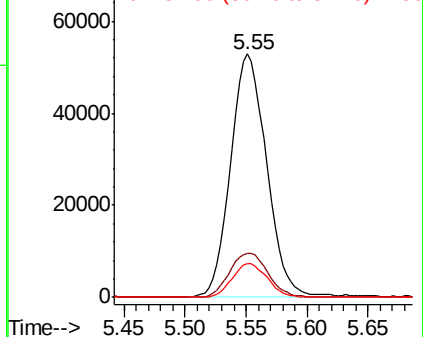
#43
Isopropyl Acetate
Concen: 20.67 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.8	10.6	16.0

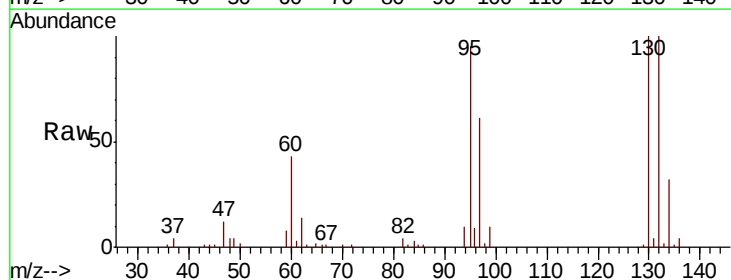


Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

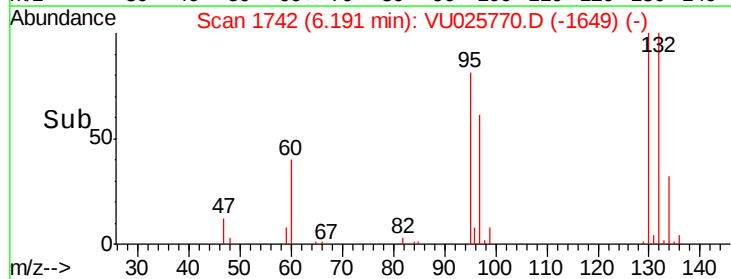
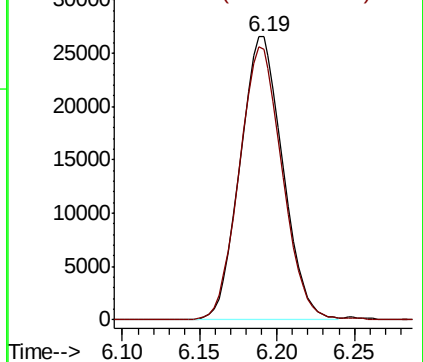


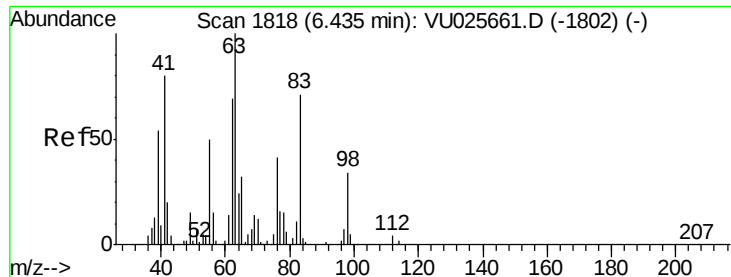
#44
Trichloroethene
Concen: 20.58 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

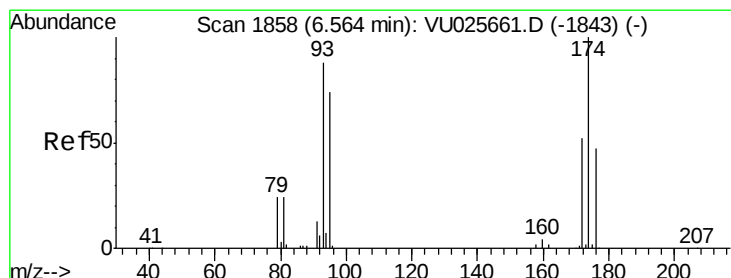
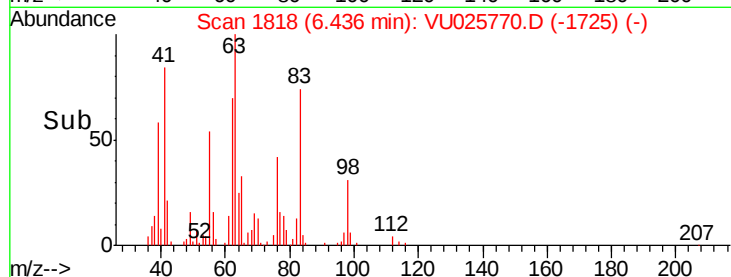
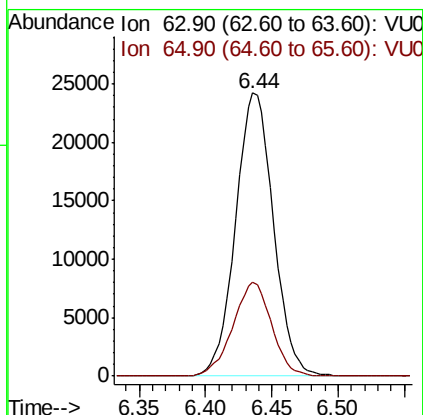
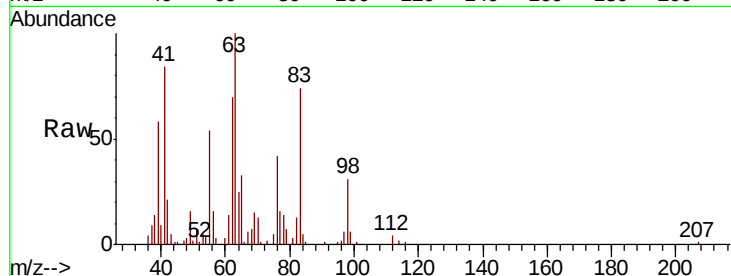




#45
 1,2-Dichloropropane
 Concen: 20.72 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

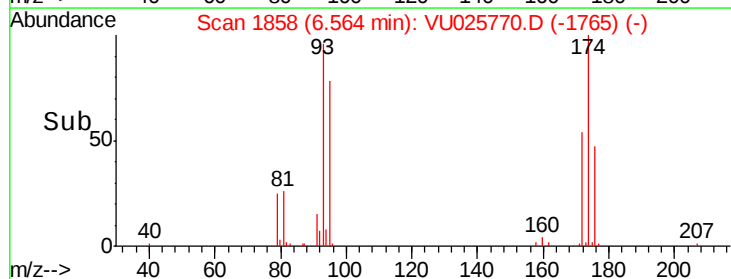
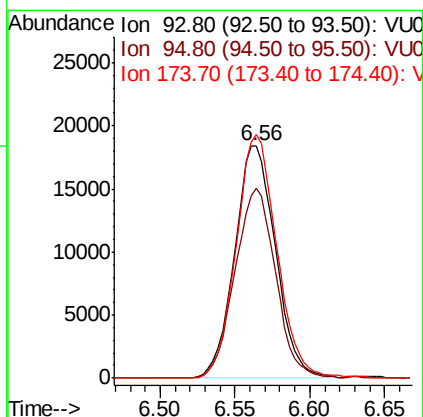
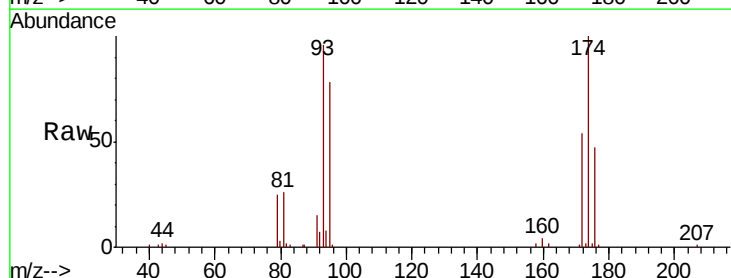
Instrument :
 MSVOA_U
 ClientSampleId :

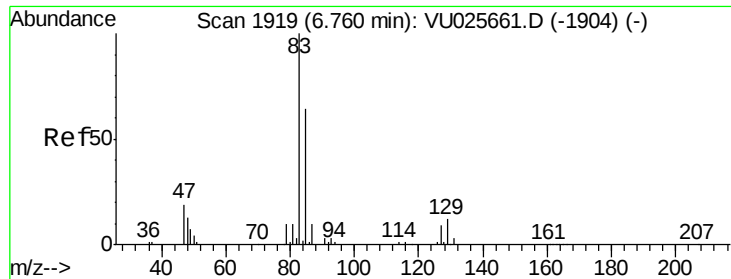
Tot Ion: 63 Resp: 48056
 Ion Ratio Lower Upper
 63 100
 65 33.4 26.1 39.1



#46
 Dibromomethane
 Concen: 20.83 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion: 93 Resp: 34996
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.6 100.0
 174 104.5 85.8 128.8

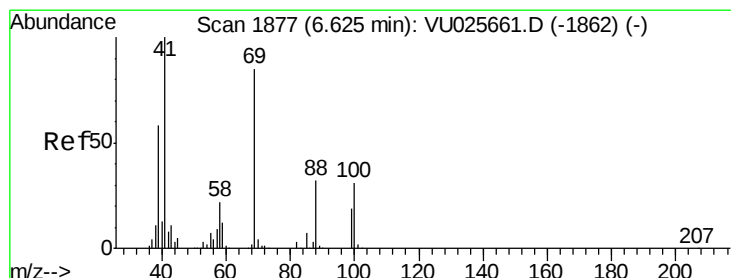
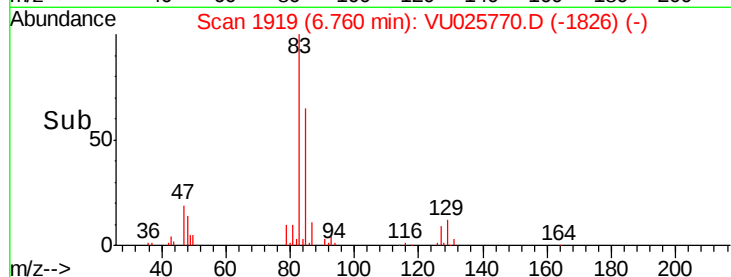
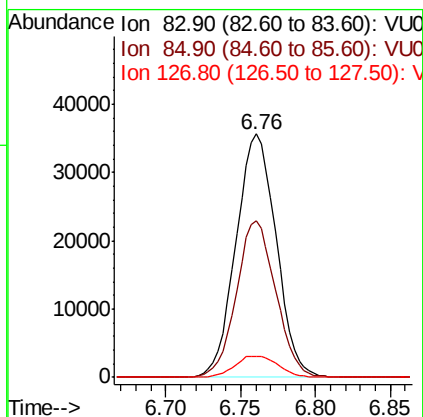
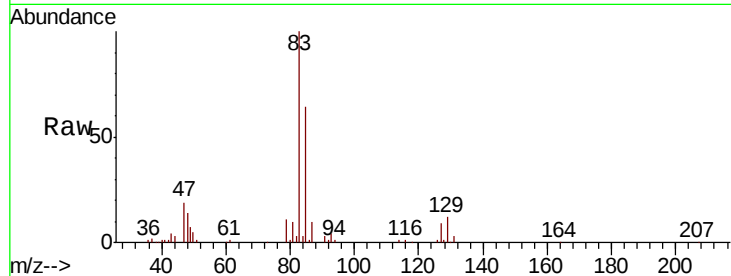




#47
Bromodichloromethane
Concen: 20.76 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

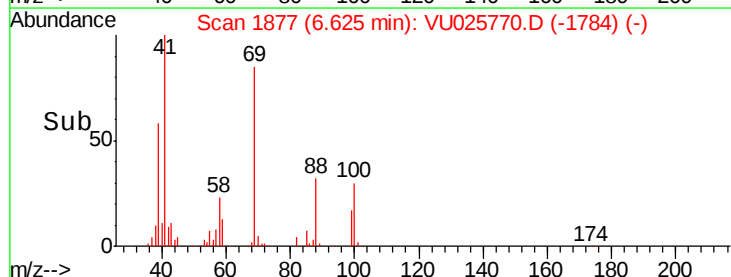
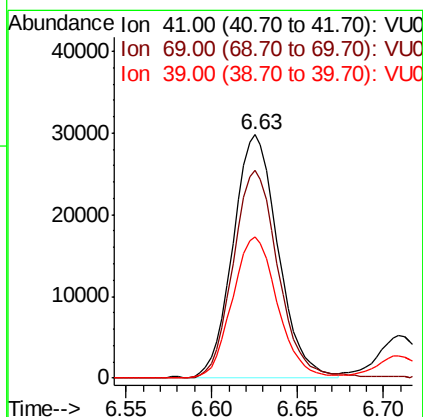
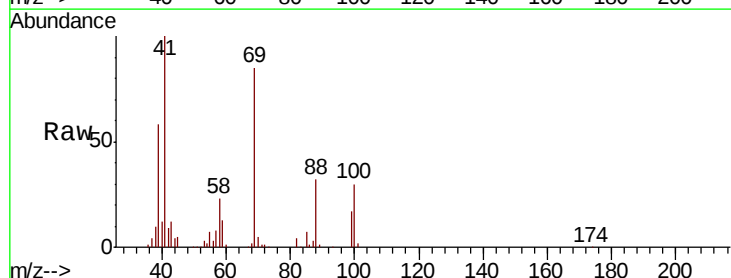
Instrument :
MSVOA_U
ClientSampled :

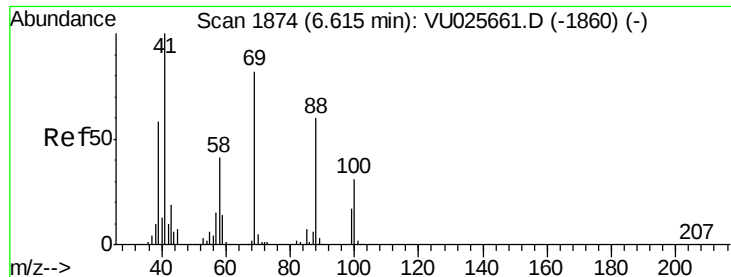
Tot Ion: 83 Resp: 66536
Ion Ratio Lower Upper
83 100
85 64.3 50.2 75.4
127 8.8 7.2 10.8



#48
Methyl methacrylate
Concen: 21.25 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 41 Resp: 54277
Ion Ratio Lower Upper
41 100
69 85.3 65.0 97.4
39 58.1 46.4 69.6

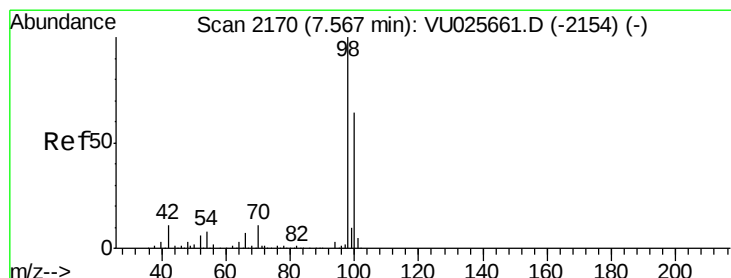
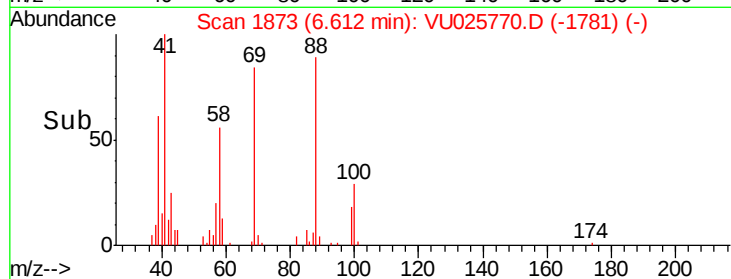
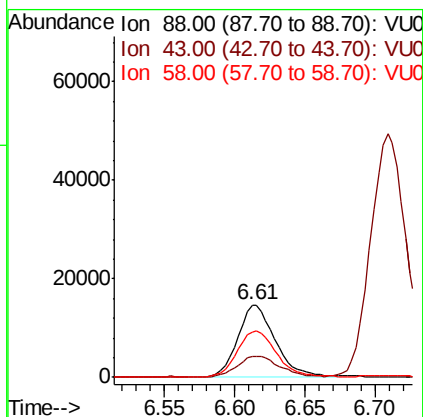
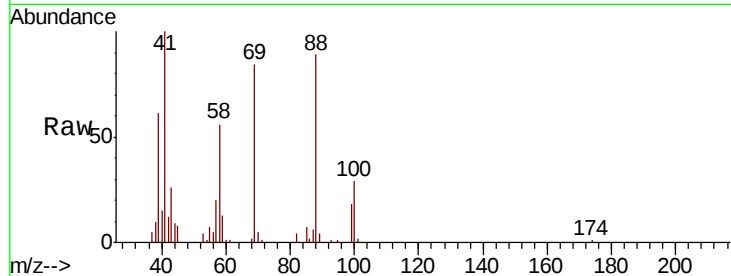




#49
 1,4-Dioxane
 Concen: 442.16 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

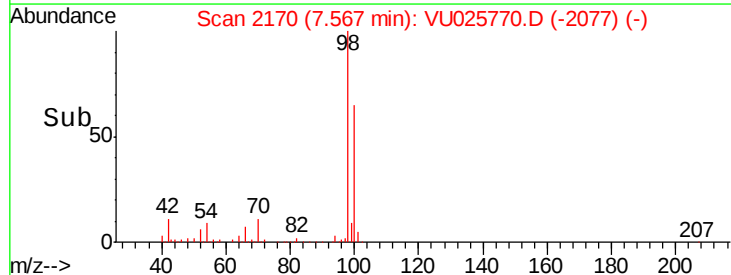
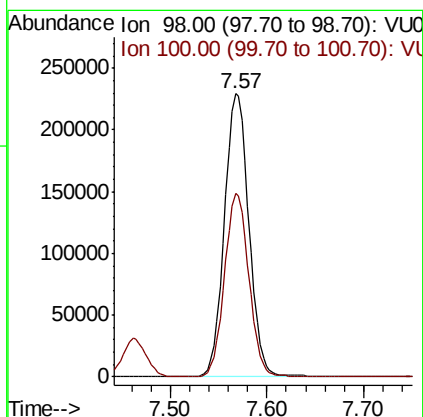
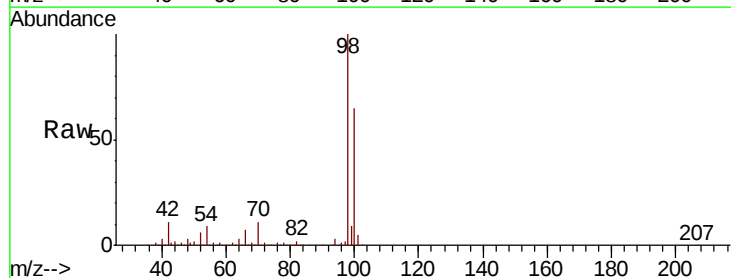
Instrument :
 MSVOA_U
 ClientSampleId :

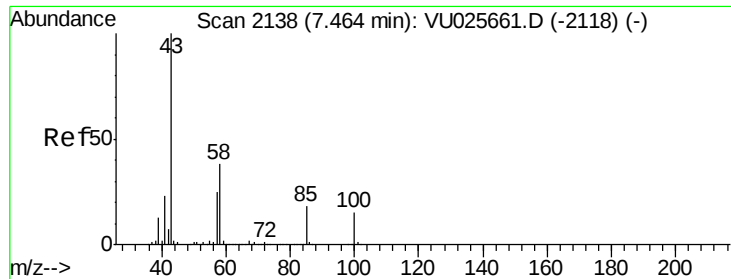
Tot Ion: 88 Resp: 27487
 Ion Ratio Lower Upper
 88 100
 43 30.9 27.3 40.9
 58 67.7 57.6 86.4



#50
 Toluene-d8
 Concen: 50.97 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion: 98 Resp: 403771
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 105.46 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

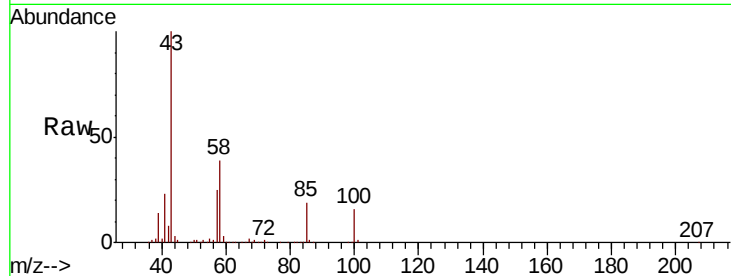
ClientSampled :

Tot Ion: 43 Resp: 344143

Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2118) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-2118) (-)

7.46

200000

150000

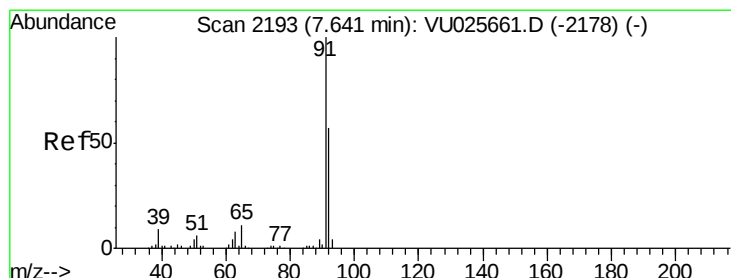
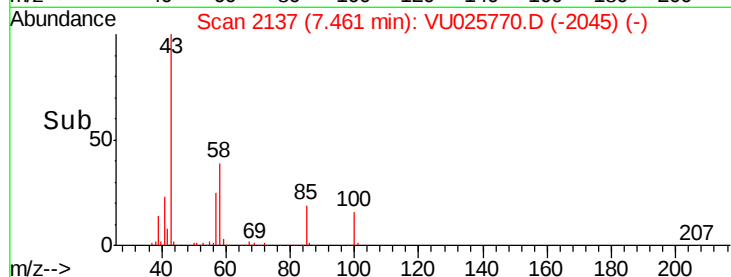
100000

50000

0

7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 20.72 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025770.D

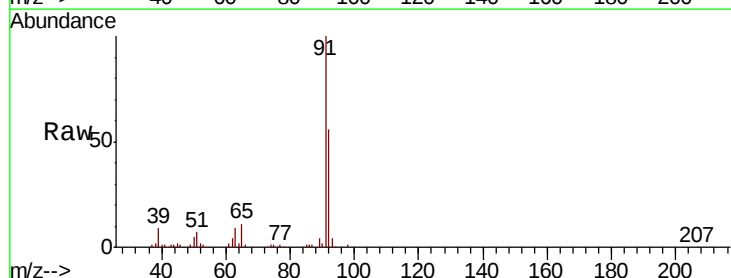
Acq: 01 Aug 2018 12:30

Tgt Ion: 92 Resp: 114437

Ion Ratio Lower Upper

92 100

91 176.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)

7.64

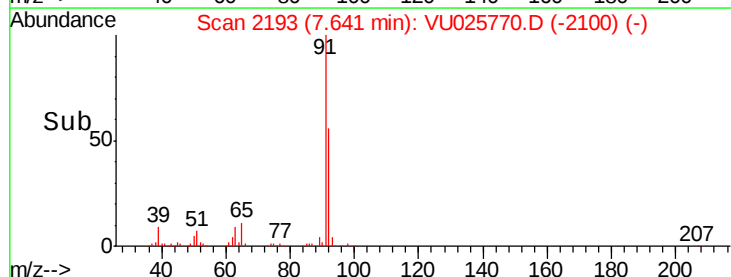
100000

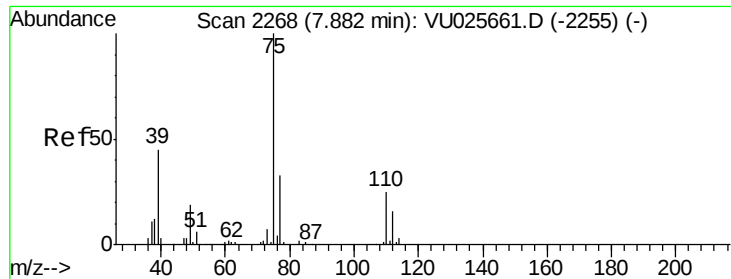
50000

0

7.55 7.60 7.65 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.71 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

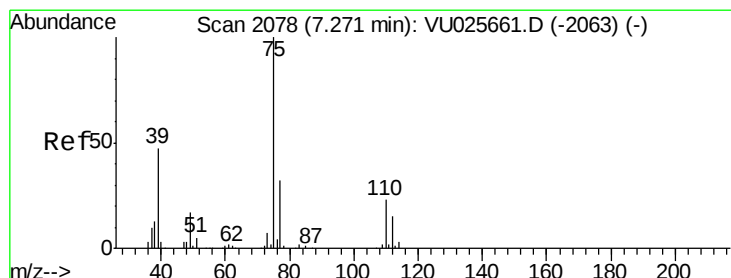
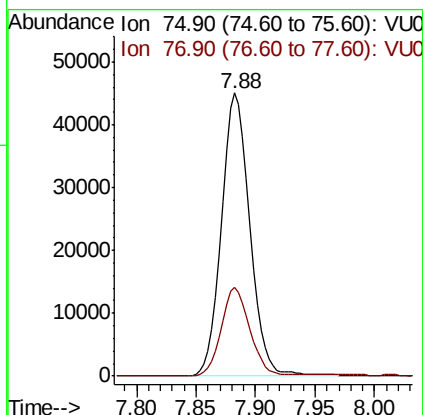
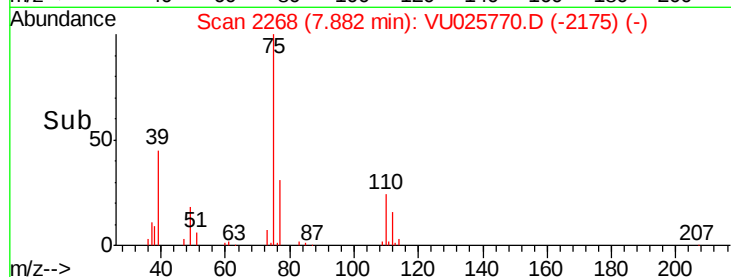
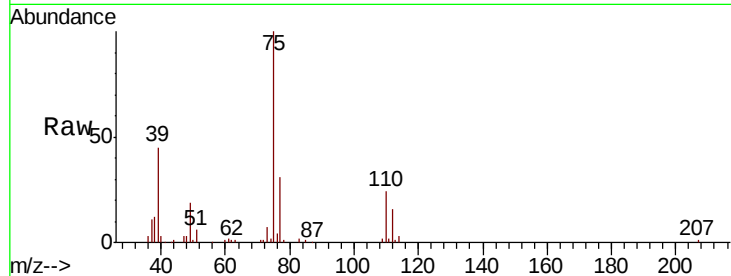
ClientSampled :

Tot Ion: 75 Resp: 74516

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 21.04 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

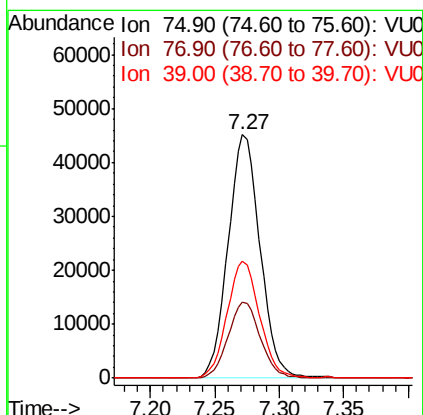
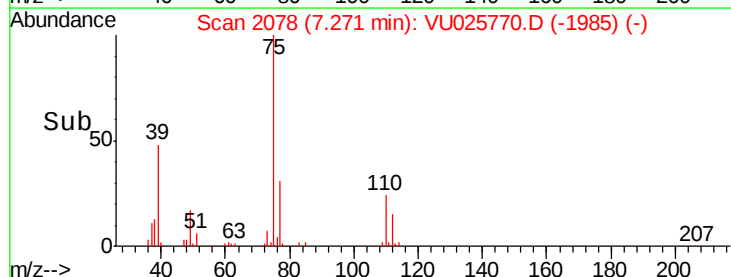
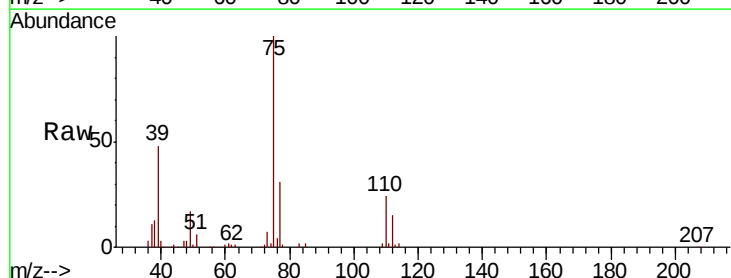
Tgt Ion: 75 Resp: 77766

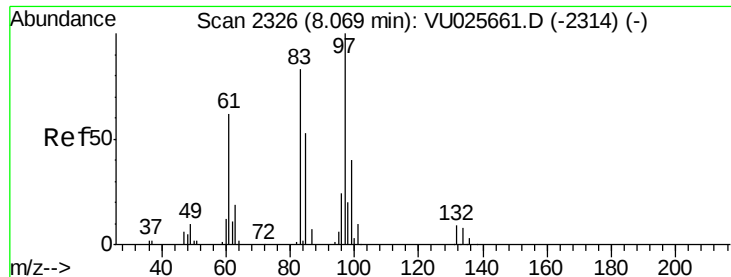
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 47.8 40.0 60.0

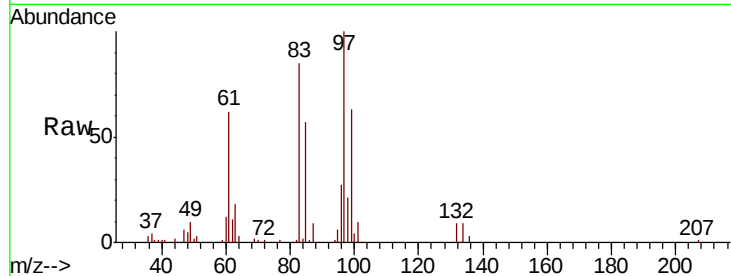




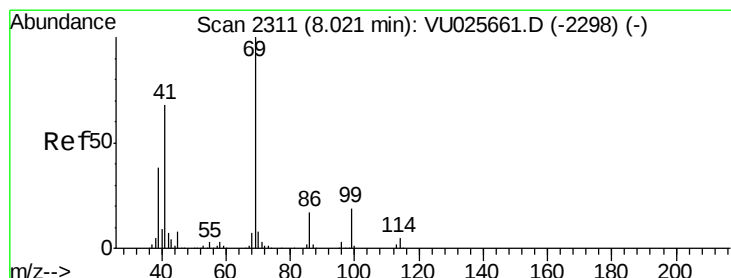
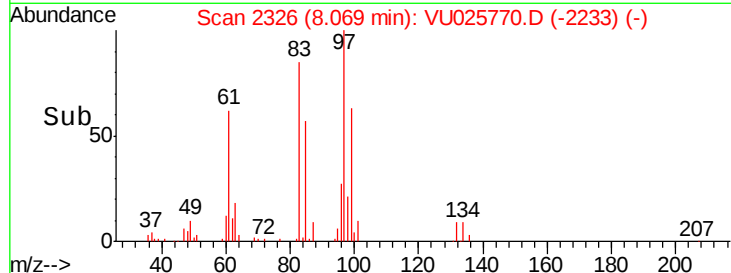
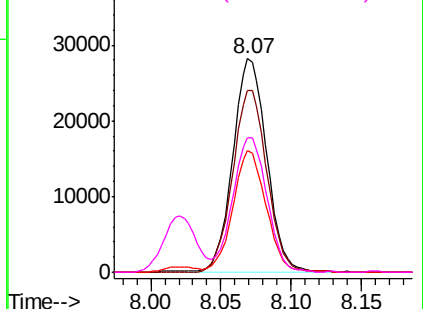
#55
 1,1,2-Trichloroethane
 Concen: 20.67 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 47448
 Ion Ratio Lower Upper
 97 100
 83 85.0 68.9 103.3
 85 57.2 44.4 66.6
 99 63.1 51.0 76.4

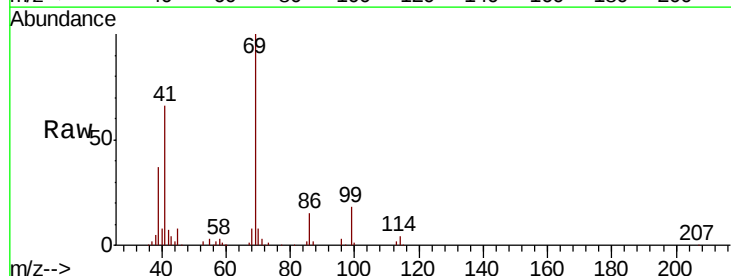


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

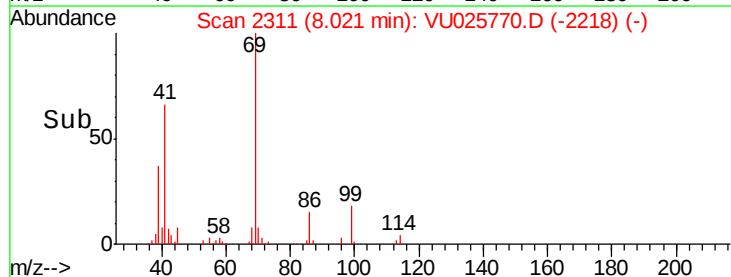
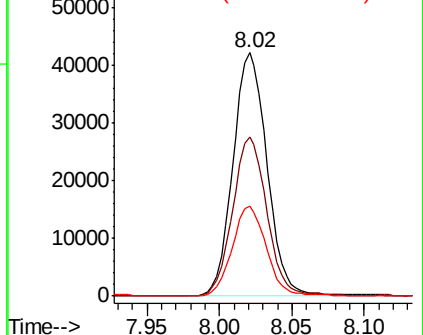


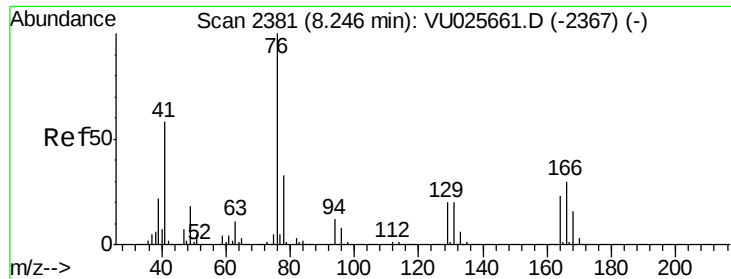
#56
 Ethyl methacrylate
 Concen: 20.96 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion: 69 Resp: 68754
 Ion Ratio Lower Upper
 69 100
 41 66.0 54.8 82.2
 39 37.1 31.1 46.7



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





#57

1,3-Dichloropropane

Concen: 20.86 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

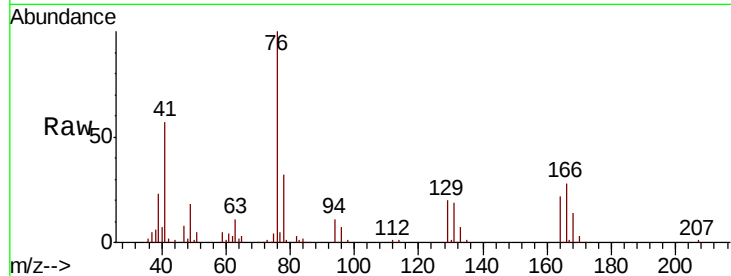
ClientSampleId :

Tot Ion: 76 Resp: 80552

Ion Ratio Lower Upper

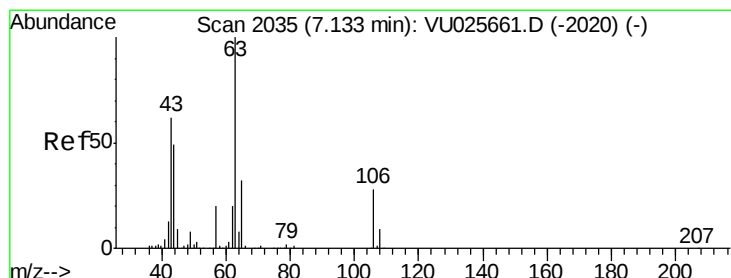
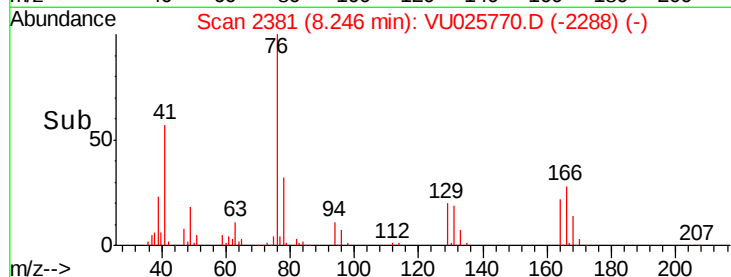
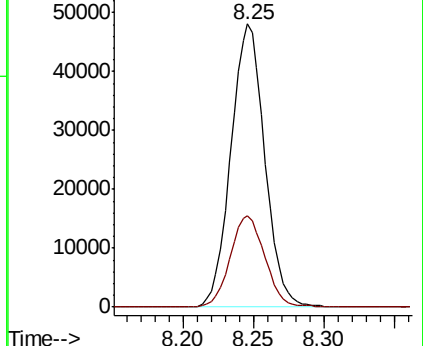
76 100

78 33.0 26.1 39.1



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: 96.03 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025770.D

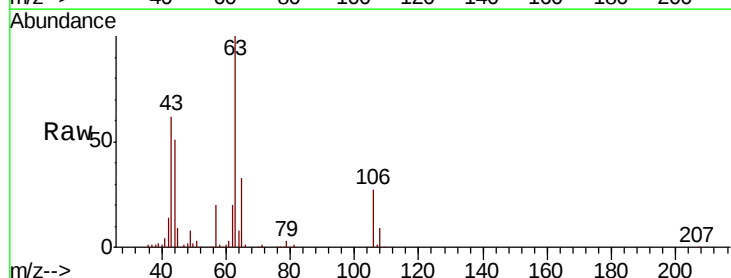
Acq: 01 Aug 2018 12:30

Tgt Ion: 63 Resp: 135966

Ion Ratio Lower Upper

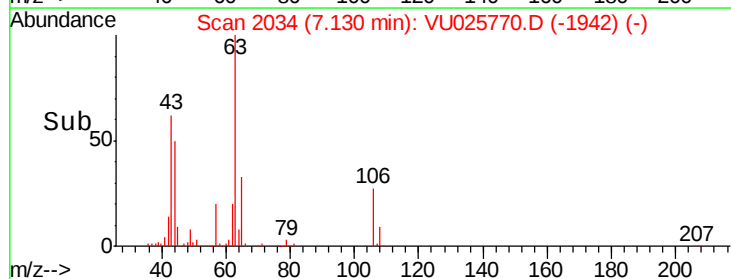
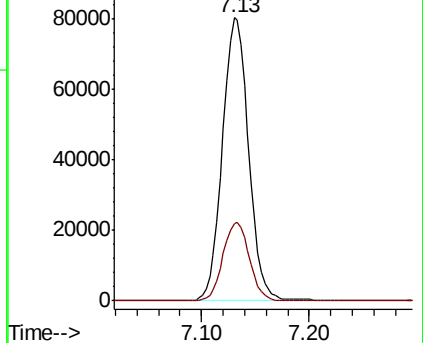
63 100

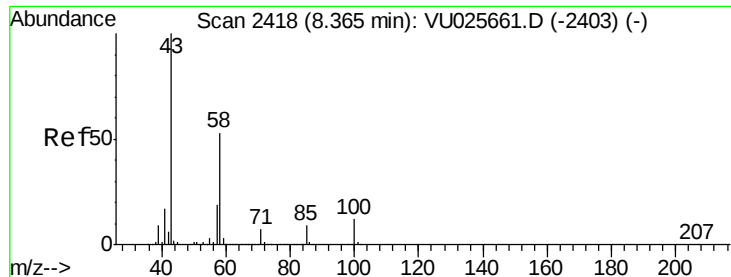
106 28.0 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

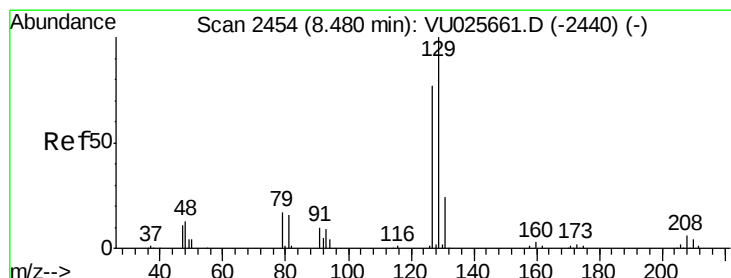
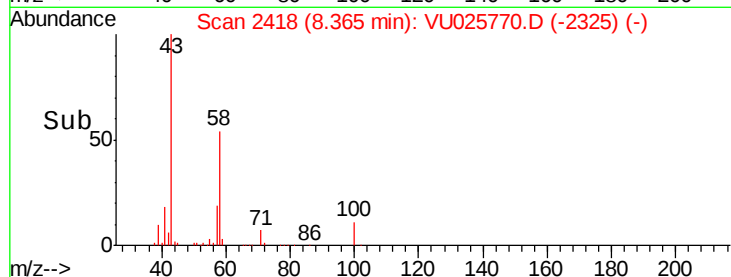
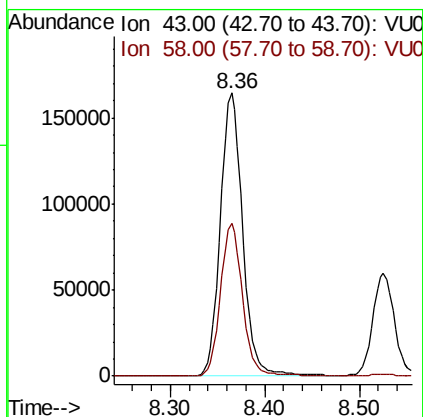
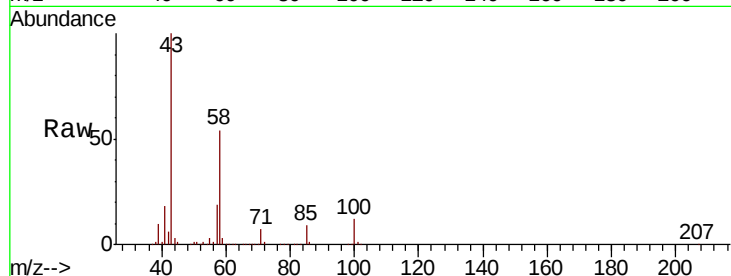




#59
2-Hexanone
Concen: 105.40 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

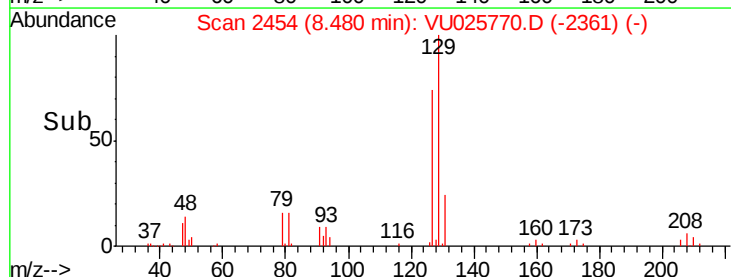
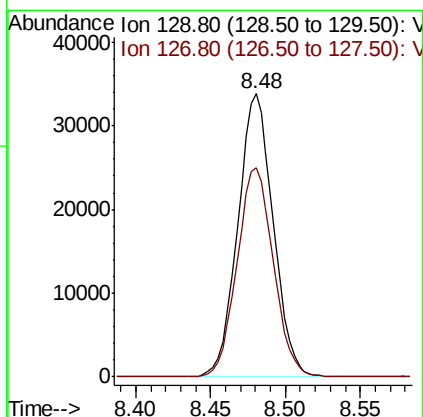
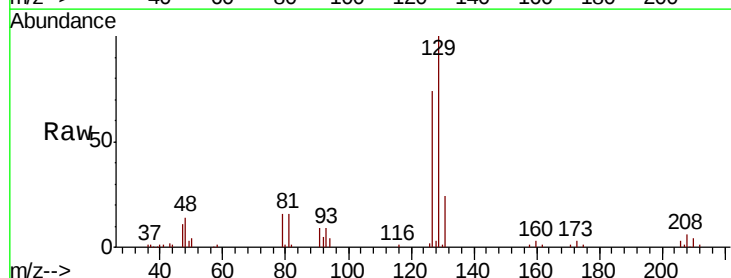
Instrument :
MSVOA_U
ClientSampleId :

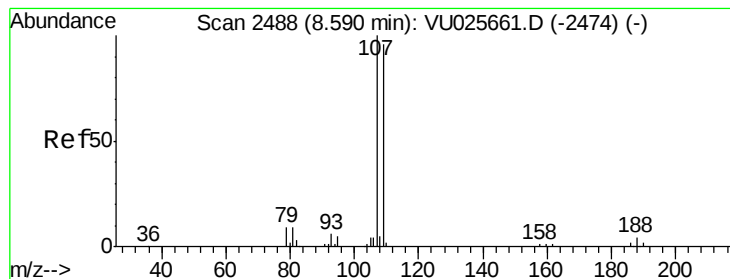
Tot Ion: 43 Resp: 269600
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.5



#60
Dibromochloromethane
Concen: 20.56 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 129 Resp: 55666
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.19 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

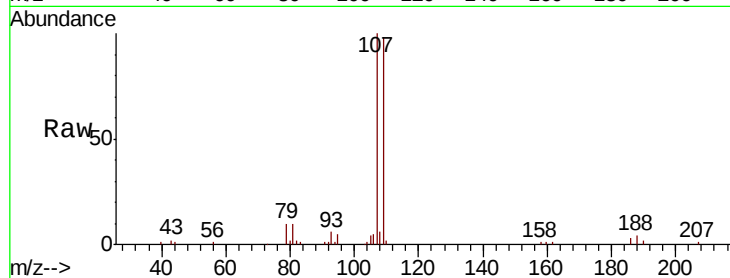
ClientSampleId :

Tot Ion:107 Resp: 51535

Ion Ratio Lower Upper

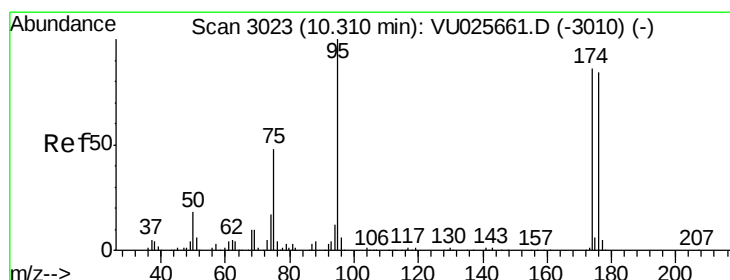
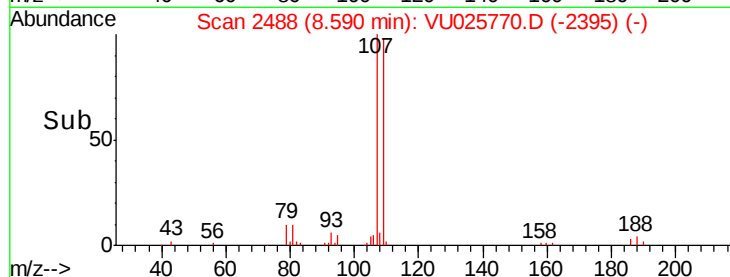
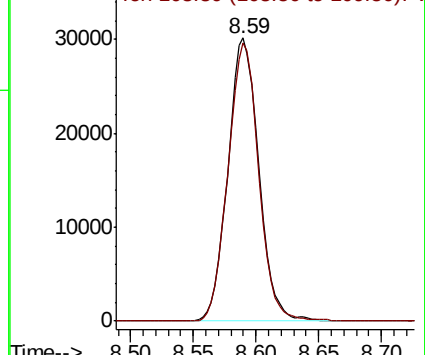
107 100

109 97.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.77 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

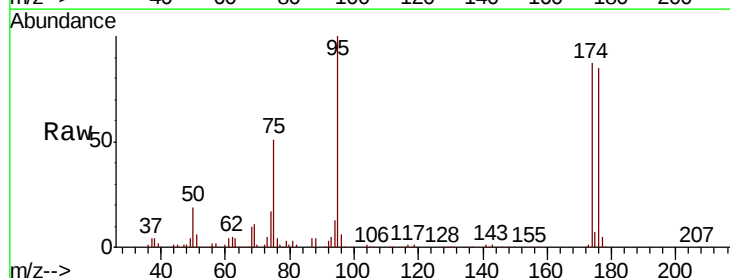
Tgt Ion: 95 Resp: 153044

Ion Ratio Lower Upper

95 100

174 88.4 0.0 172.2

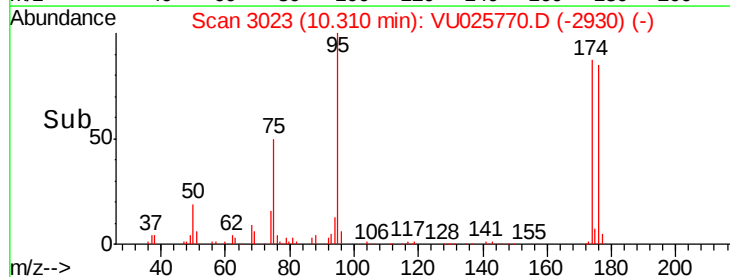
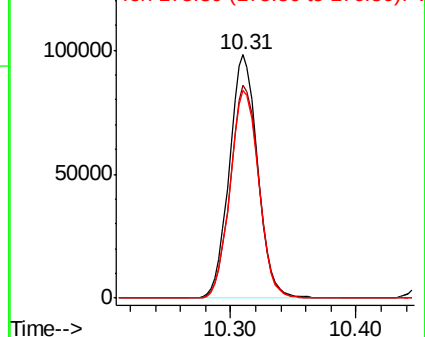
176 86.4 0.0 162.6

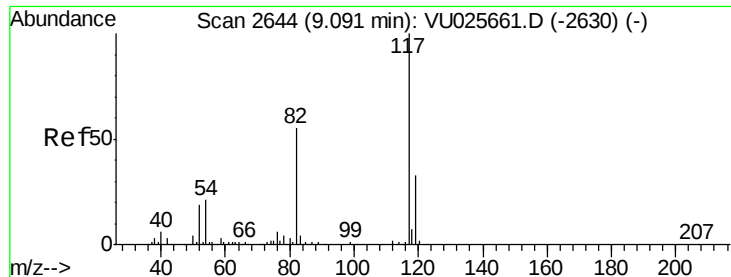


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

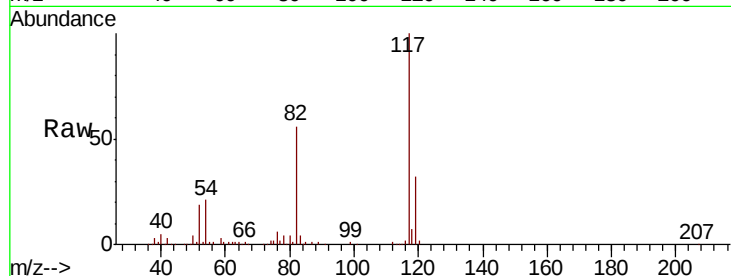




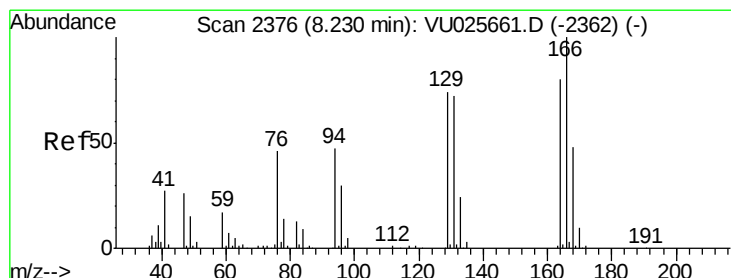
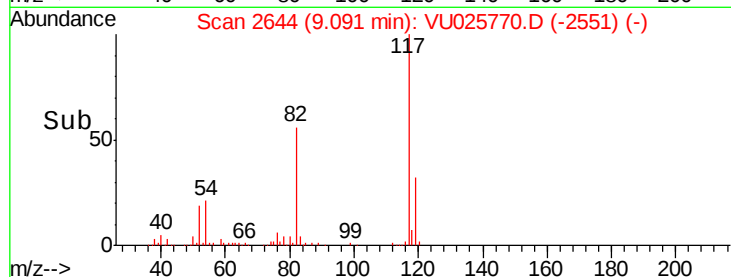
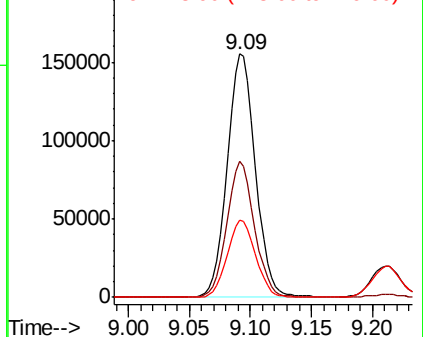
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 251442
Ion Ratio Lower Upper
117 100
82 55.7 46.0 69.0
119 31.6 26.0 39.0

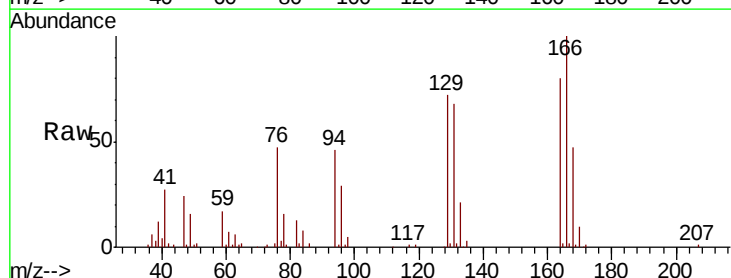


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

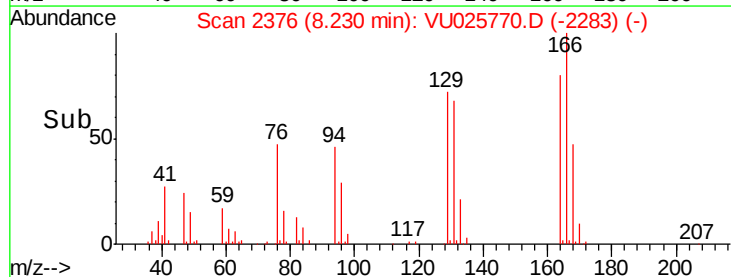
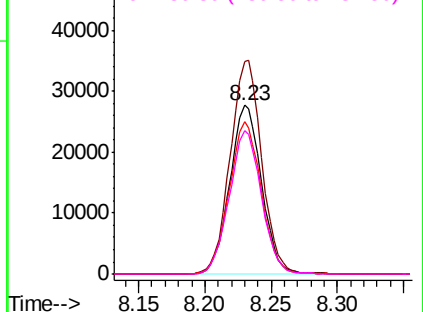


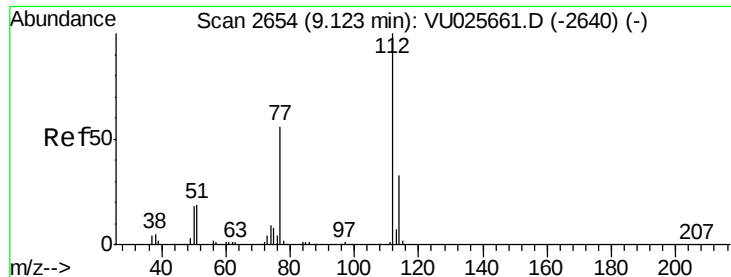
#64
Tetrachloroethene
Concen: 20.77 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion:164 Resp: 45961
Ion Ratio Lower Upper
164 100
166 125.6 101.1 151.7
129 89.9 73.0 109.6
131 85.0 72.1 108.1



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

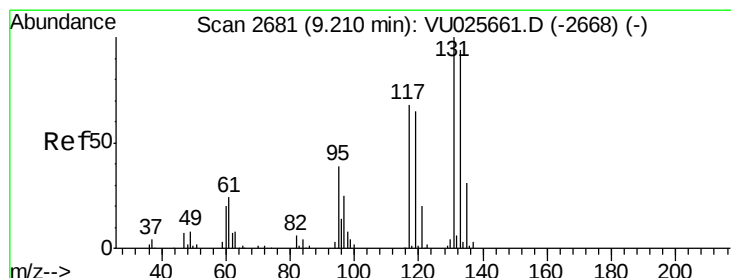
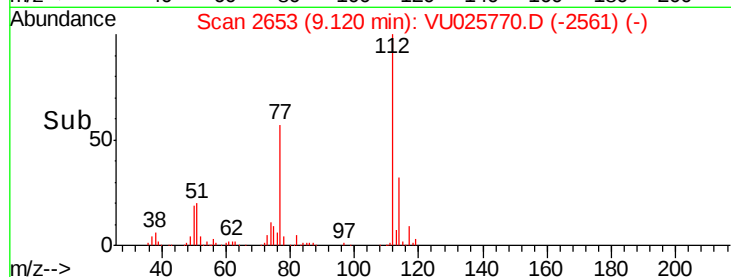
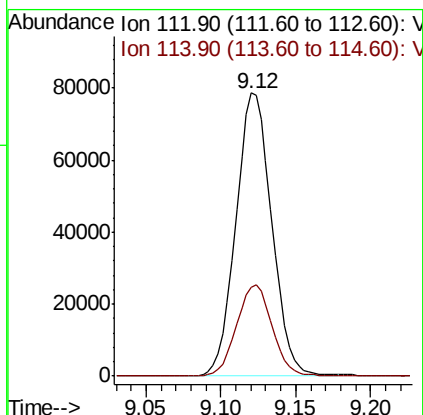
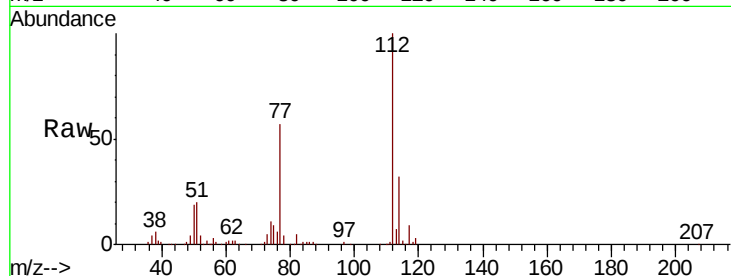




#65
Chlorobenzene
Concen: 20.25 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

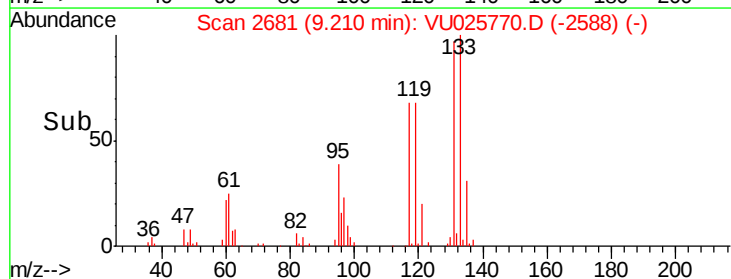
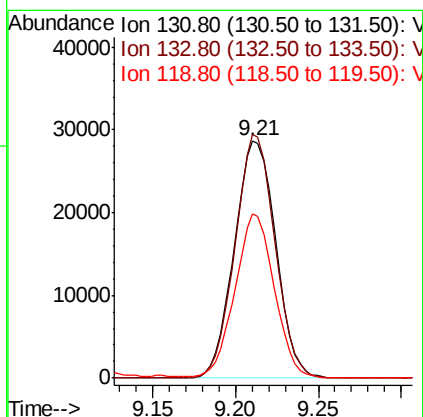
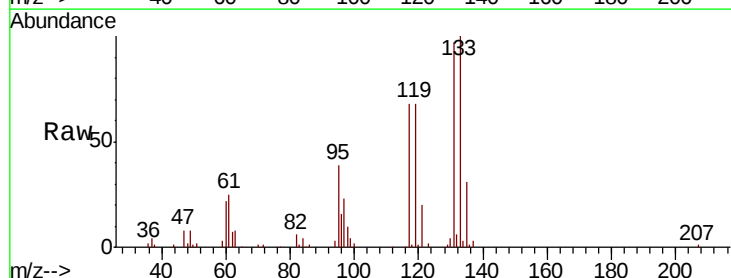
Instrument :
MSVOA_U
ClientSampleId :

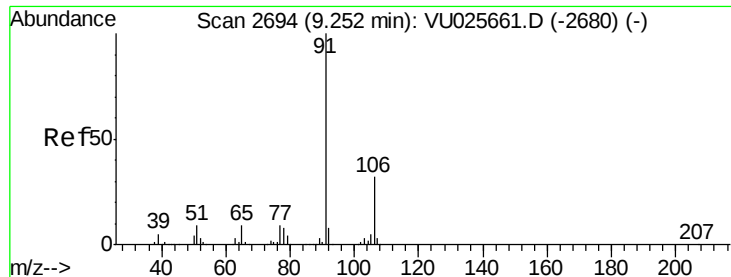
Tot Ion:112 Resp: 131279
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.25 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion:131 Resp: 49845
Ion Ratio Lower Upper
131 100
133 98.8 47.8 143.3
119 65.9 31.6 95.0

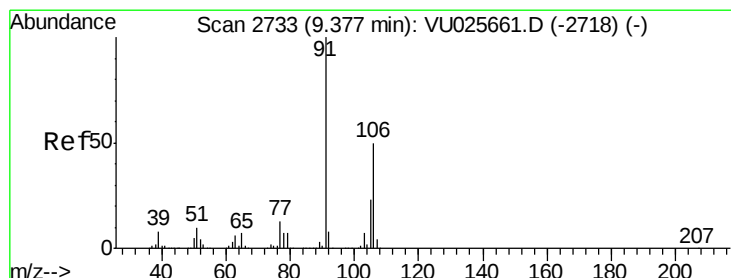
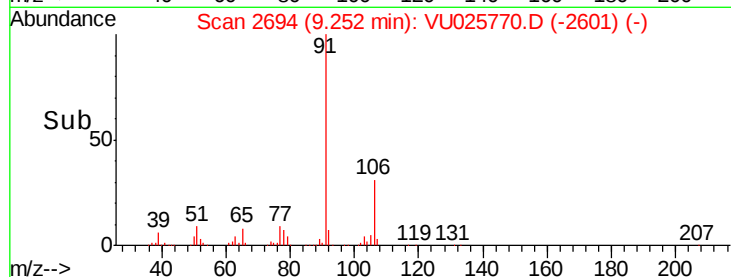
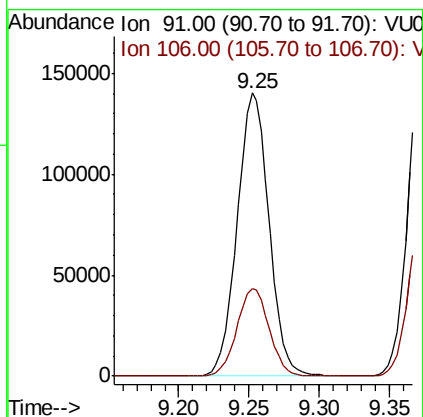
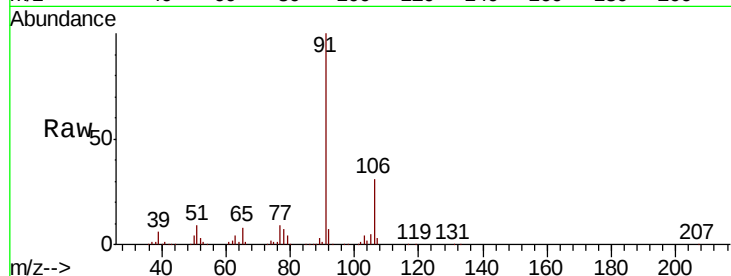




#67
Ethyl Benzene
Concen: 20.65 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

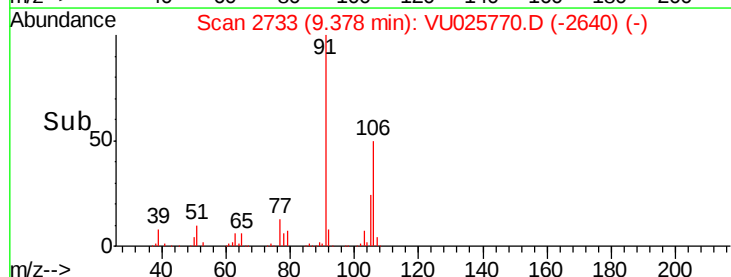
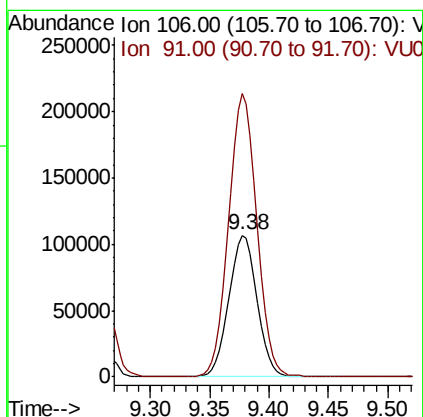
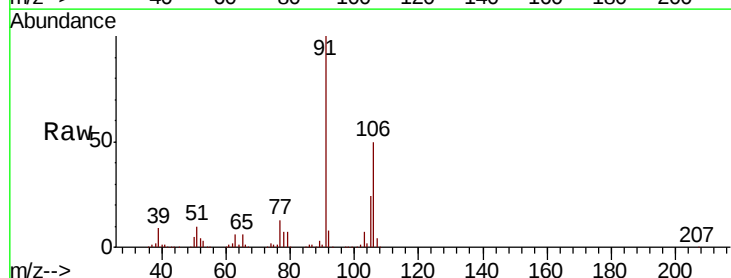
Instrument :
MSVOA_U
ClientSampleId :

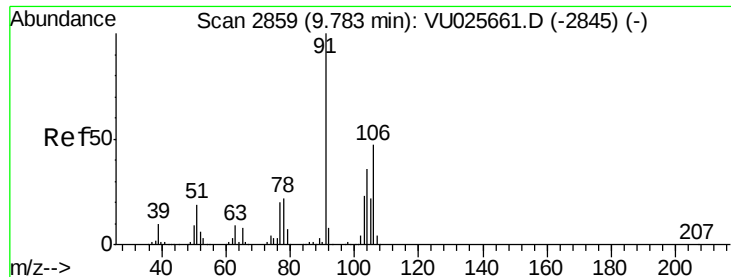
Tot Ion: 91 Resp: 221695
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9



#68
m/p-Xylenes
Concen: 42.44 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 106 Resp: 174983
Ion Ratio Lower Upper
106 100
91 199.6 162.3 243.5

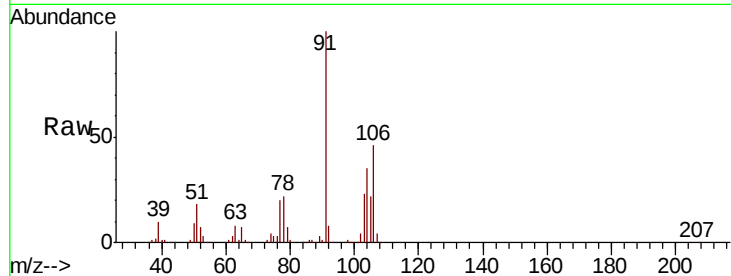




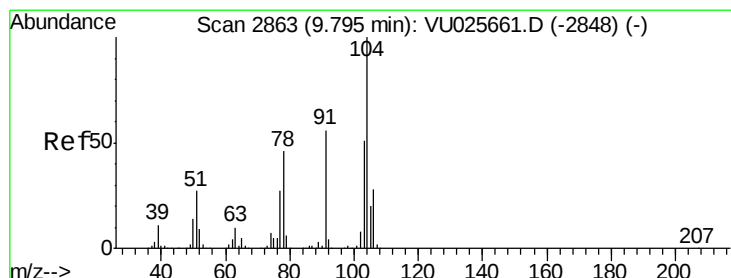
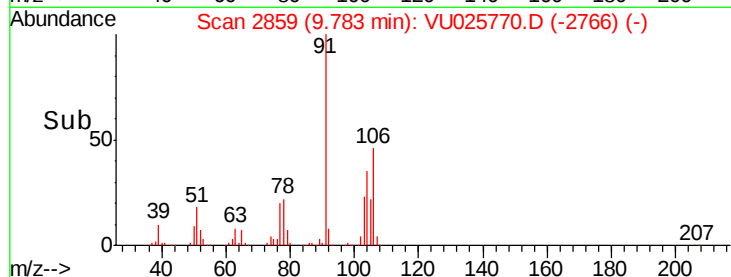
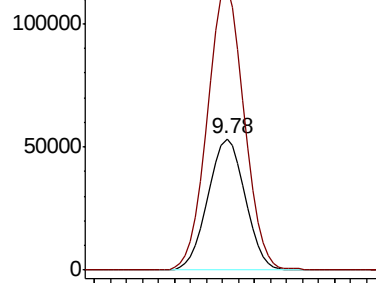
#69
o-Xylene
Concen: 20.91 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 84241
Ion Ratio Lower Upper
106 100
91 212.3 105.3 315.8

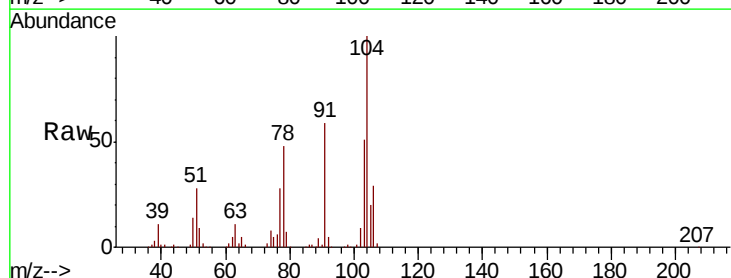


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

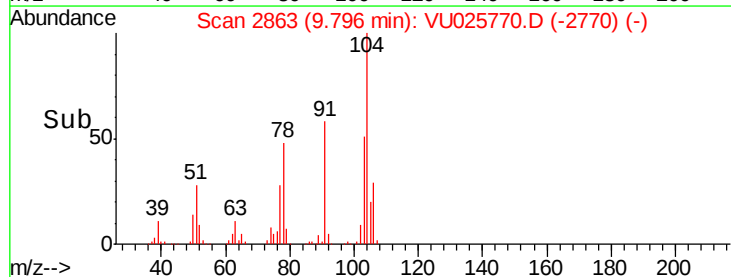
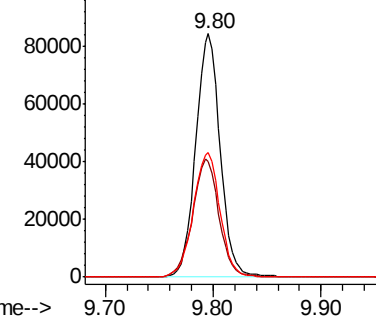


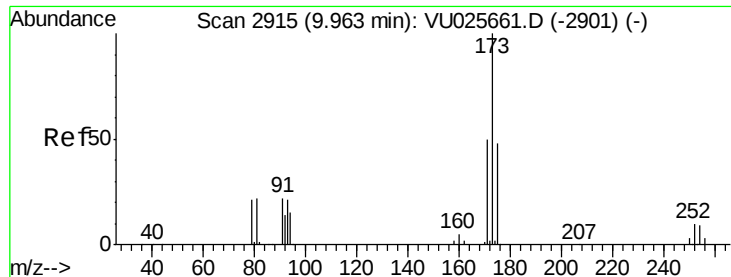
#70
Styrene
Concen: 20.52 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion:104 Resp: 133549
Ion Ratio Lower Upper
104 100
78 52.2 41.6 62.4
103 55.7 44.6 66.8



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





#71

Bromoform

Concen: 20.61 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

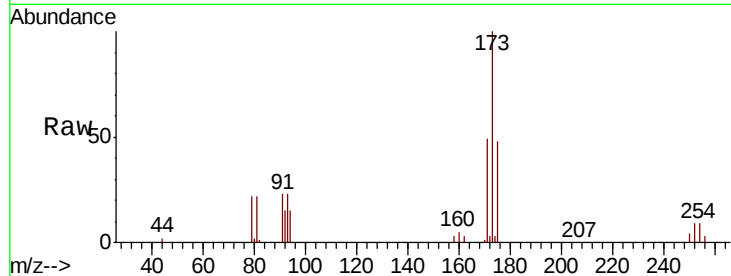
Tot Ion:173 Resp: 41918

Ion Ratio Lower Upper

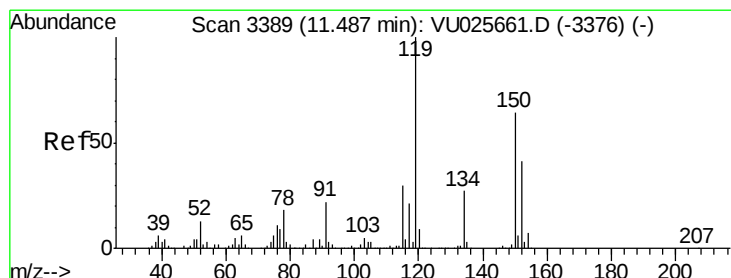
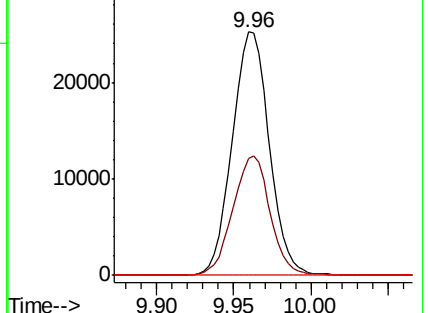
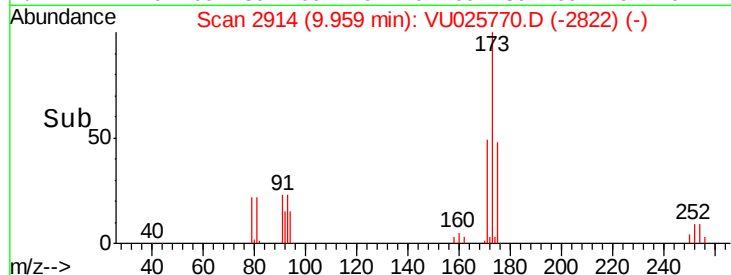
173 100

175 49.3 24.0 72.0

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

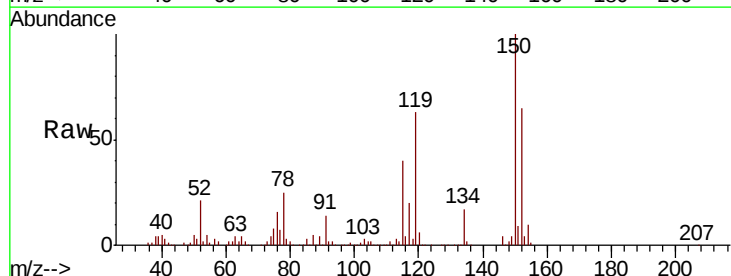
Tgt Ion:152 Resp: 155954

Ion Ratio Lower Upper

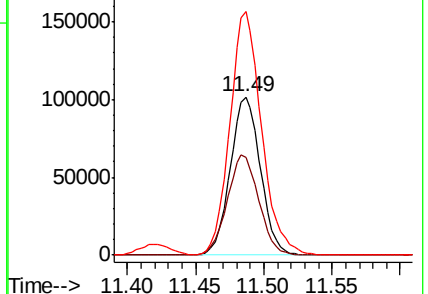
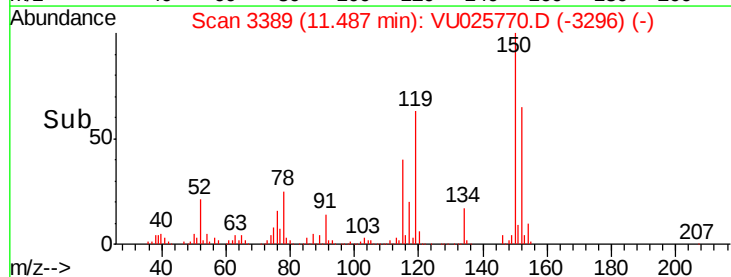
152 100

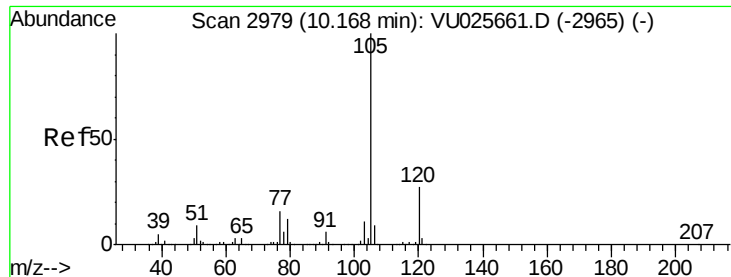
115 66.0 40.1 120.3

150 161.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 21.19 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

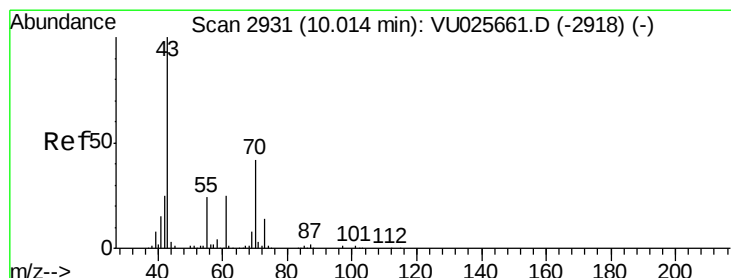
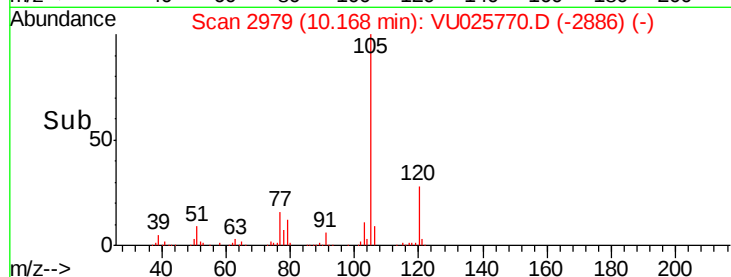
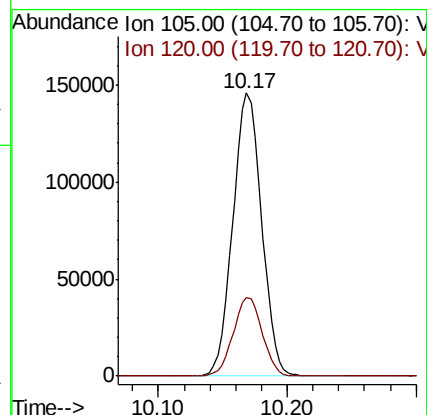
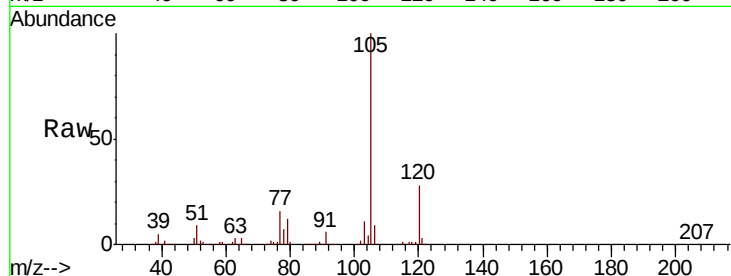
ClientSampleId :

Tot Ion:105 Resp: 225499

Ion Ratio Lower Upper

105 100

120 28.0 13.5 40.5



#74

N-ethyl acetate

Concen: 21.59 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion: 43 Resp: 93805

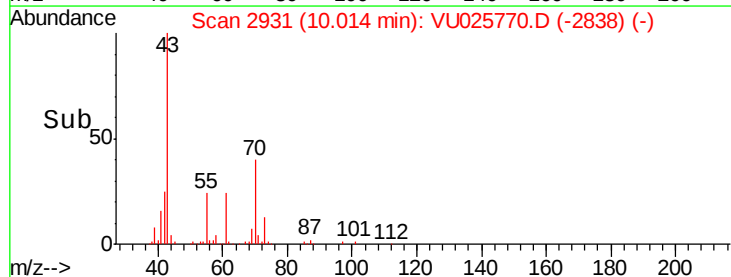
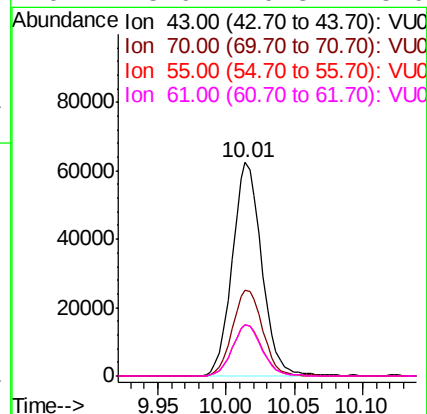
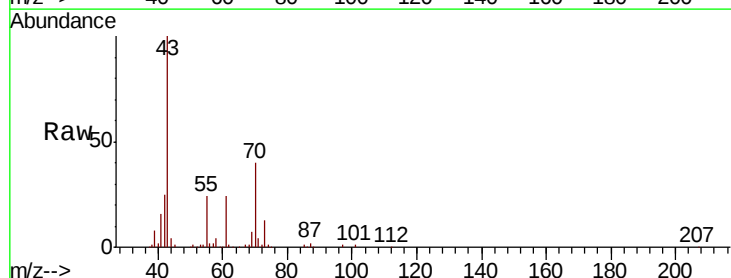
Ion Ratio Lower Upper

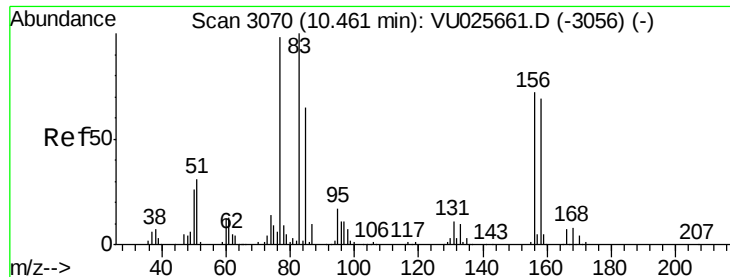
43 100

70 41.3 33.4 50.2

55 24.3 19.0 28.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.83 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

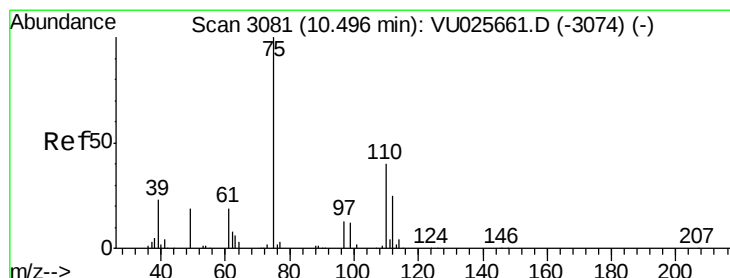
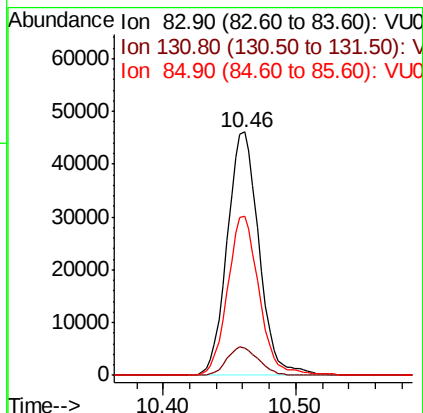
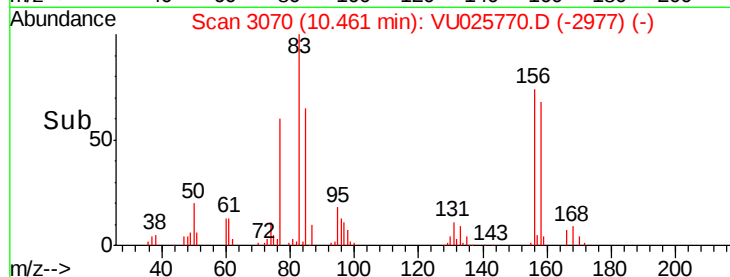
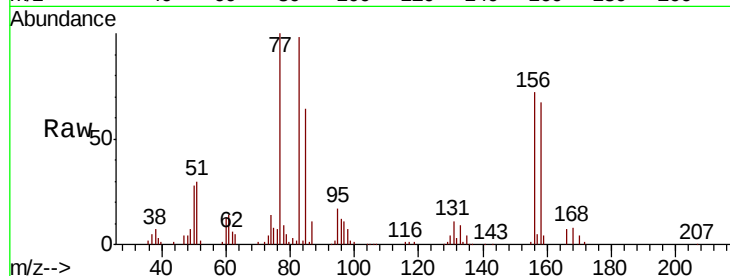
Tot Ion: 83 Resp: 76659

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

85 64.7 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 26.73 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025770.D

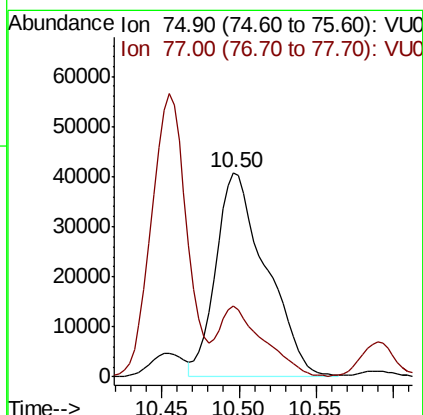
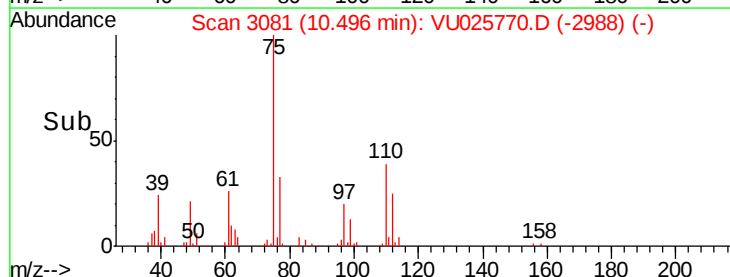
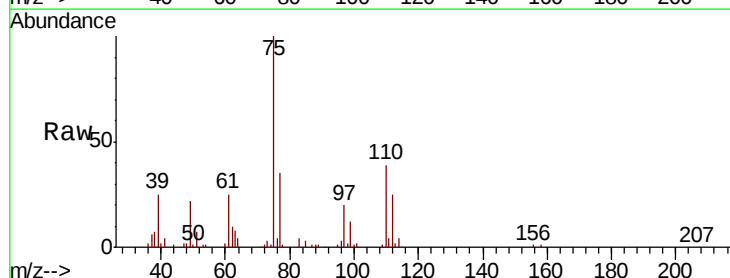
Acq: 01 Aug 2018 12:30

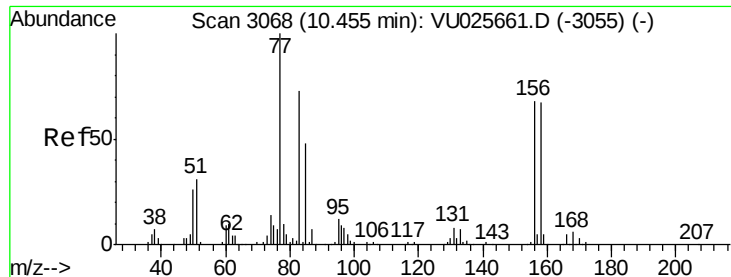
Tgt Ion: 75 Resp: 91845

Ion Ratio Lower Upper

75 100

77 31.2 20.4 61.3





#77

Bromobenzene

Concen: 21.10 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

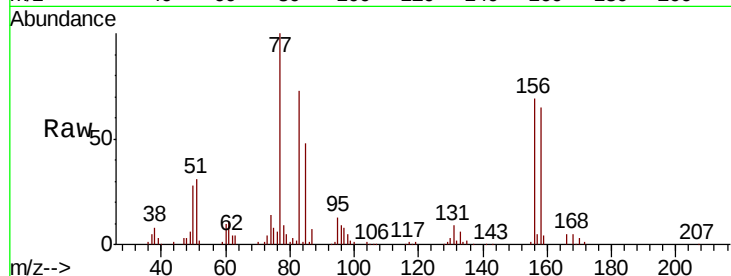
Tot Ion:156 Resp: 61935

Ion Ratio Lower Upper

156 100

77 145.1 73.8 221.4

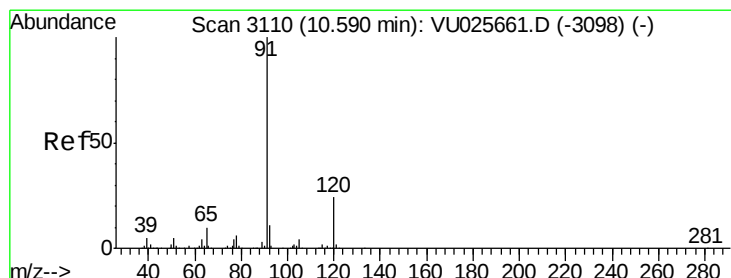
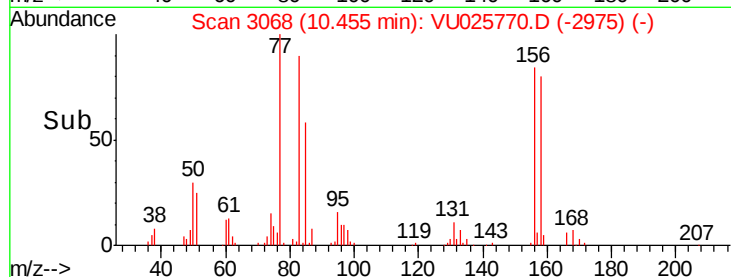
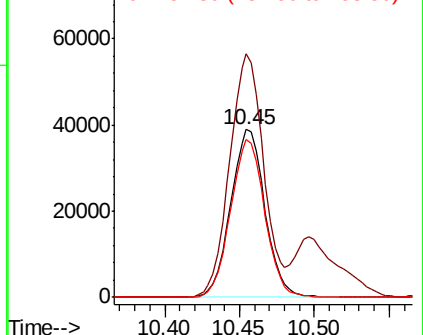
158 94.0 48.0 144.0



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: 21.17 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025770.D

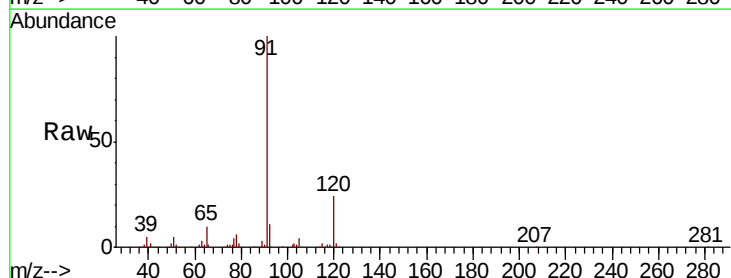
Acq: 01 Aug 2018 12:30

Tgt Ion: 91 Resp: 262980

Ion Ratio Lower Upper

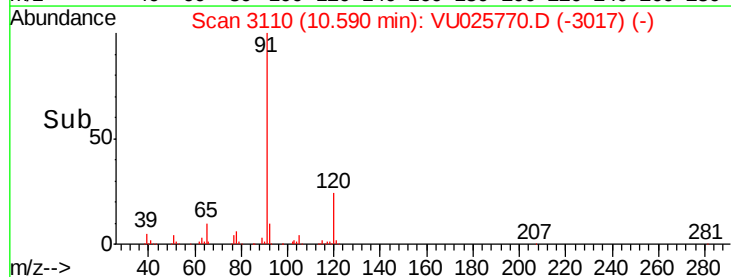
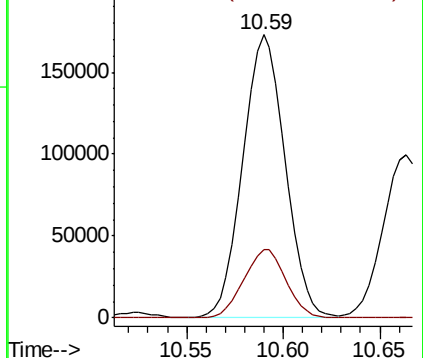
91 100

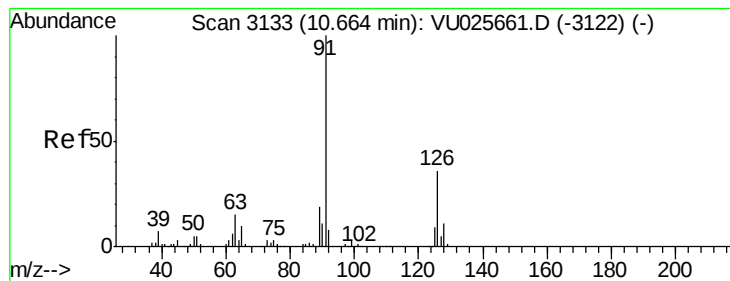
120 24.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.66 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

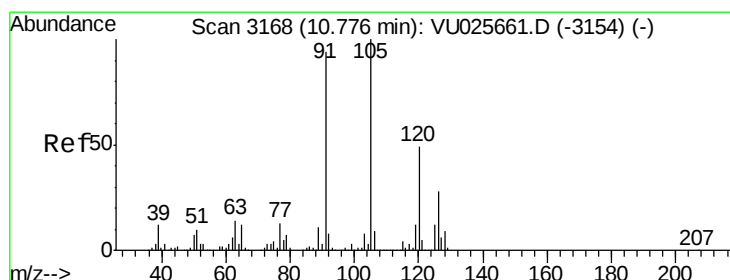
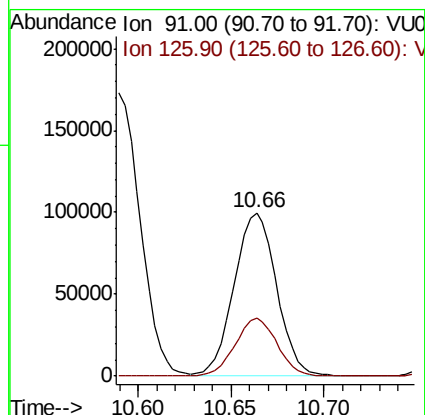
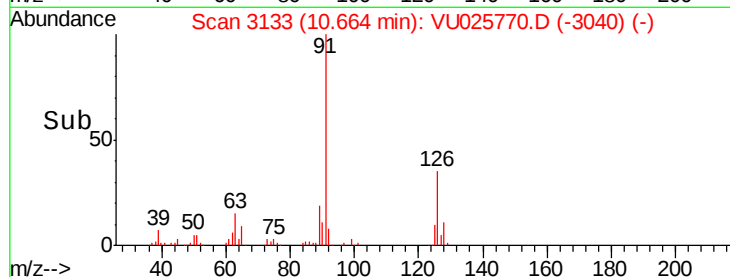
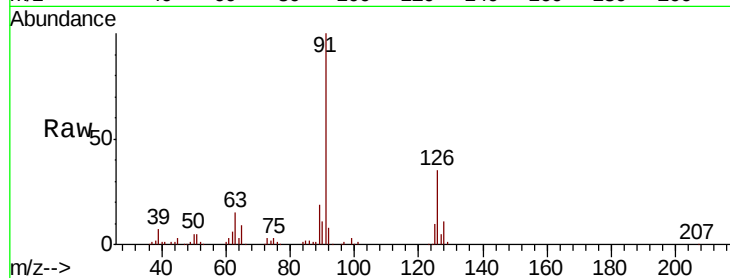
ClientSampleId :

Tot Ion: 91 Resp: 157616

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.56 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025770.D

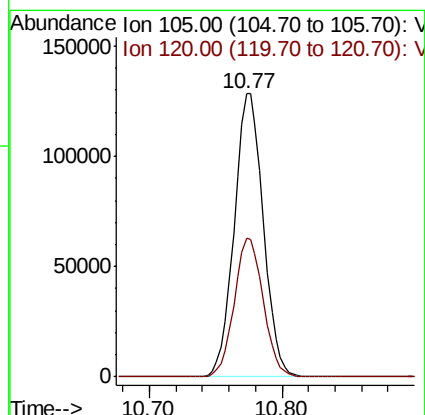
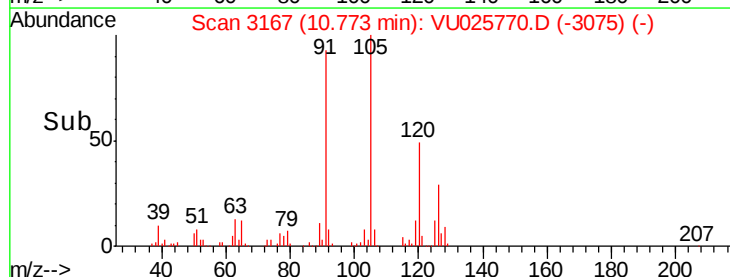
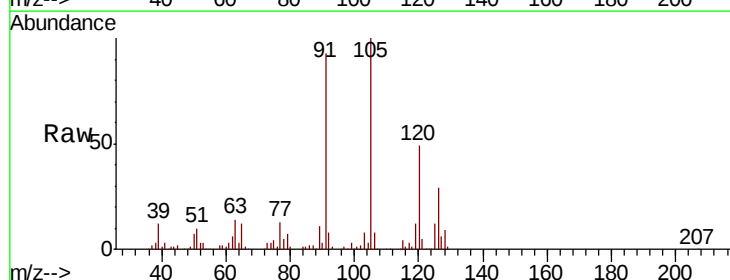
Acq: 01 Aug 2018 12:30

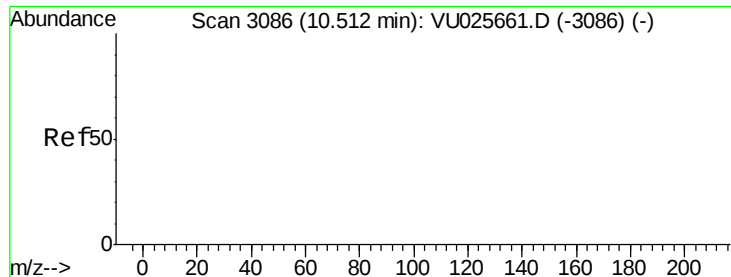
Tgt Ion: 105 Resp: 194900

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2

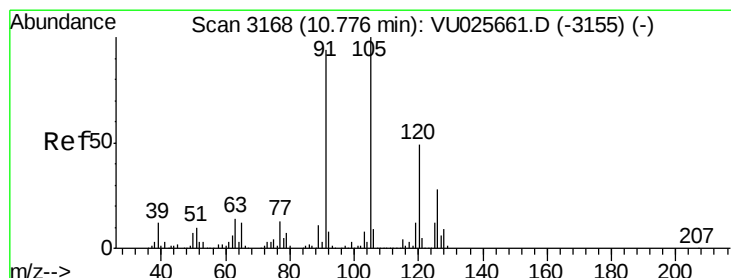
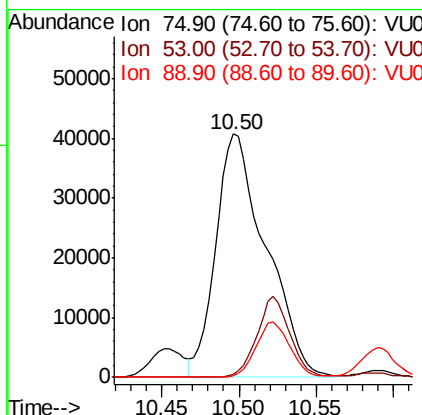
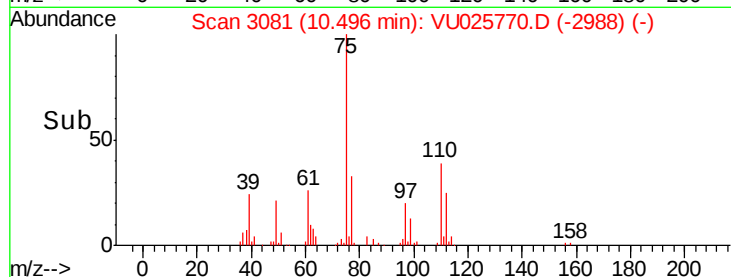
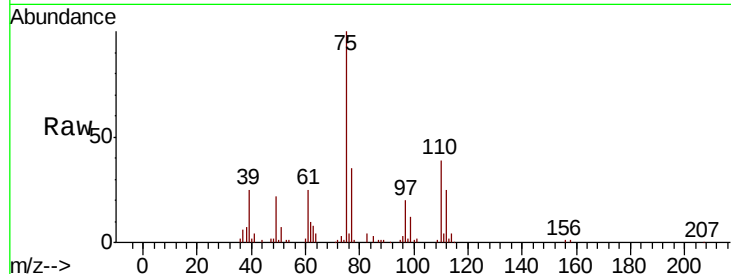




#81
trans-1,4-Dichloro-2-butene
Concen: 67.02 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

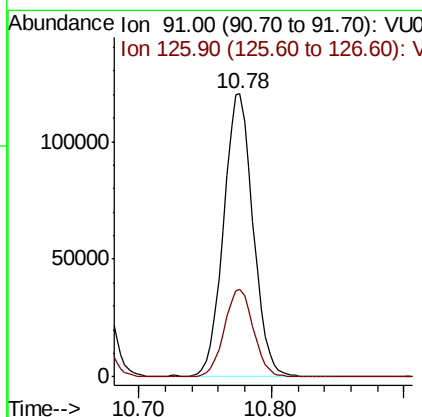
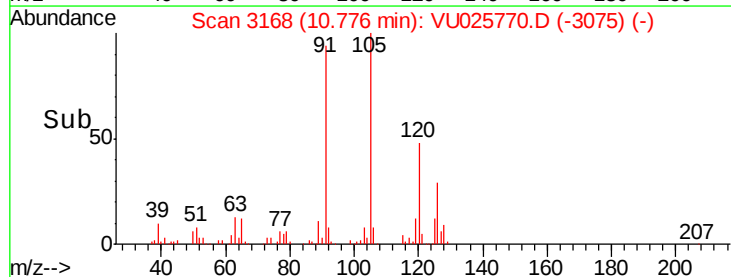
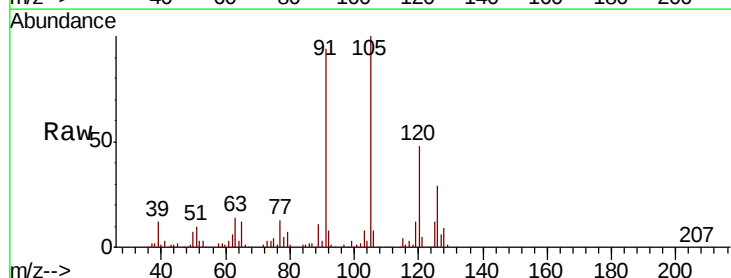
Instrument :
MSVOA_U
ClientSampled :

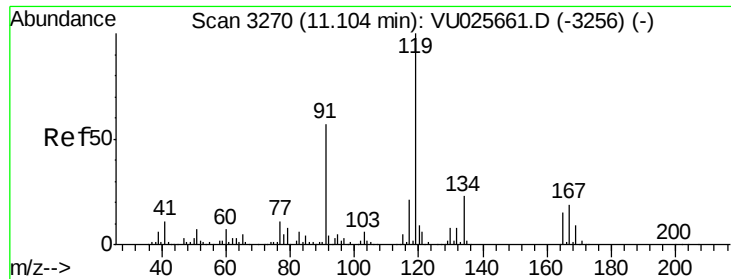
Tot Ion: 75 Resp: 91845
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.59 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion: 91 Resp: 185192
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.9

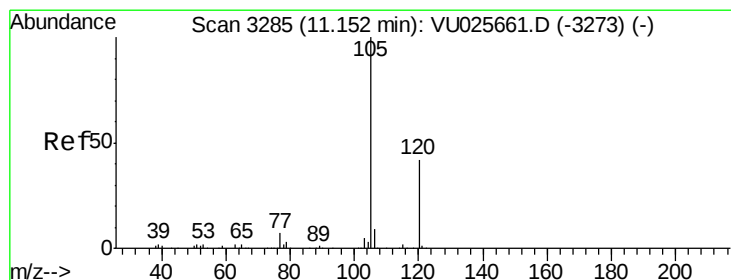
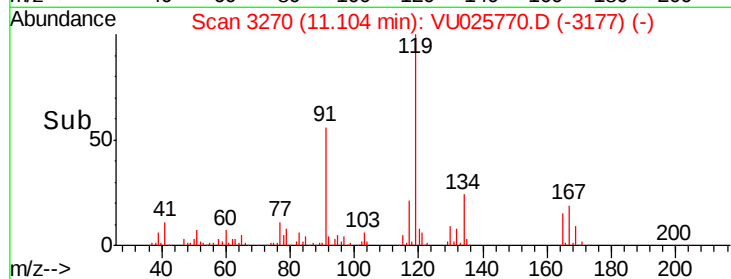
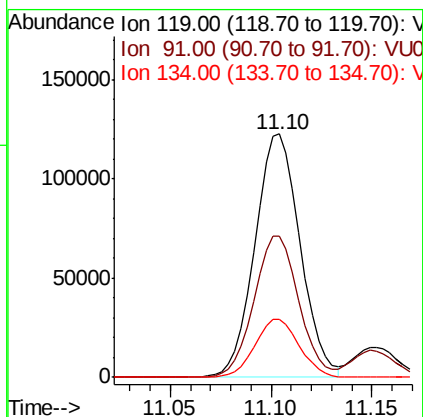
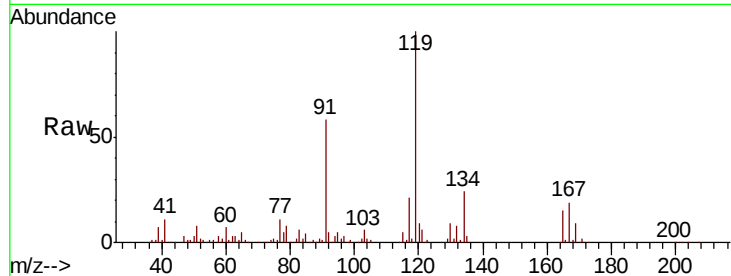




#83
tert-Butylbenzene
Concen: 21.39 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

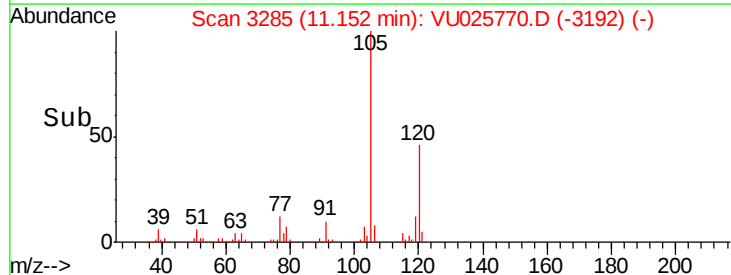
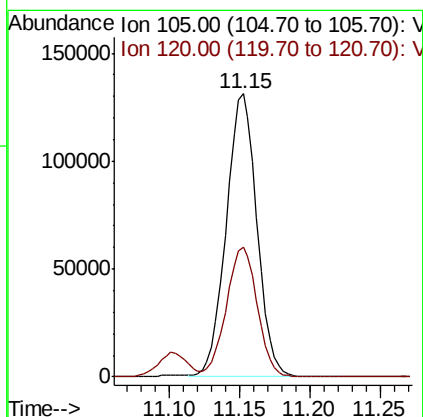
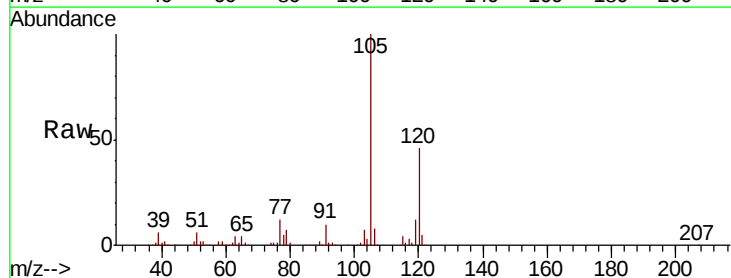
Instrument :
MSVOA_U
ClientSampleId :

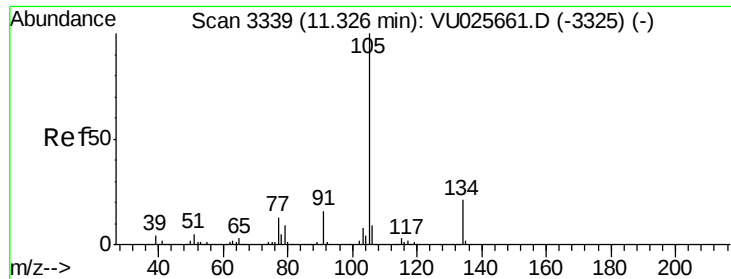
Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.7	89.1
134	23.4	11.5	34.5



#84
1,2,4-Trimethylbenzene
Concen: 21.69 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.3	66.8

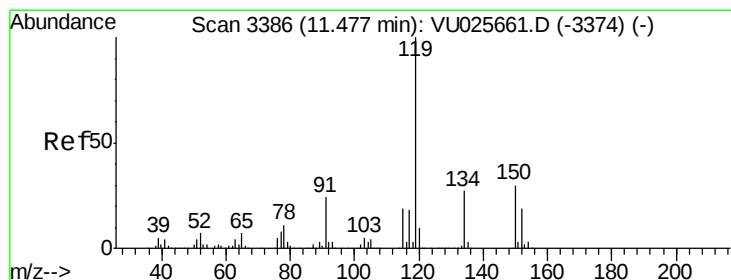
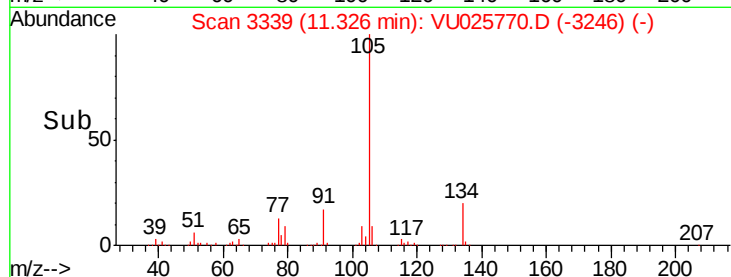
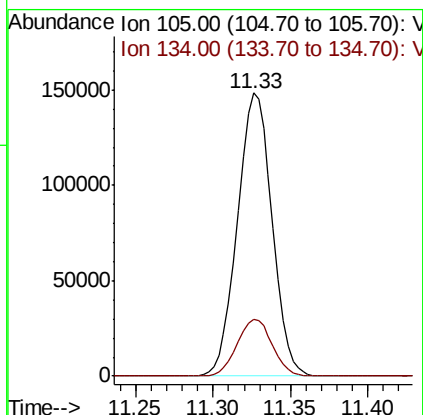
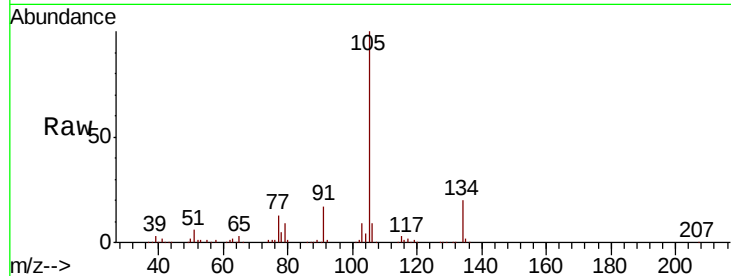




#85
 sec-Butylbenzene
 Concen: 21.05 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

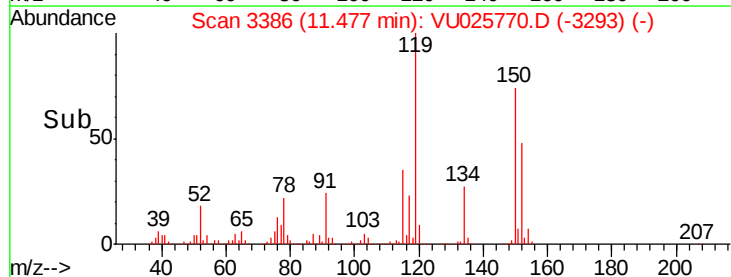
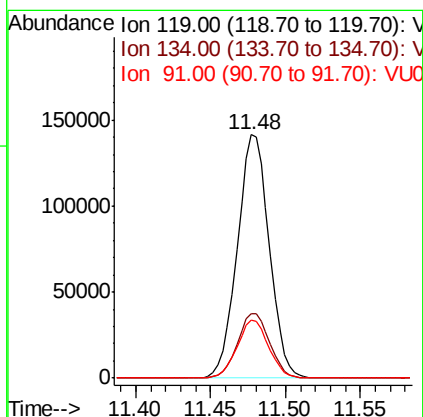
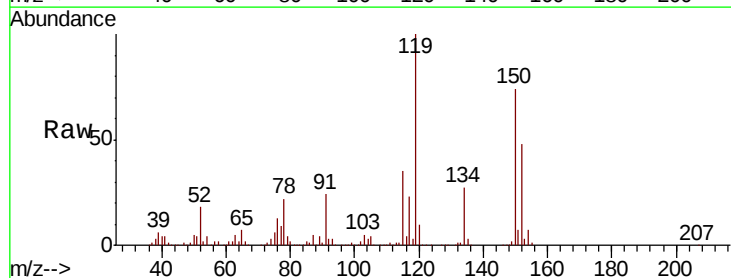
Instrument :
 MSVOA_U
 ClientSampleId :

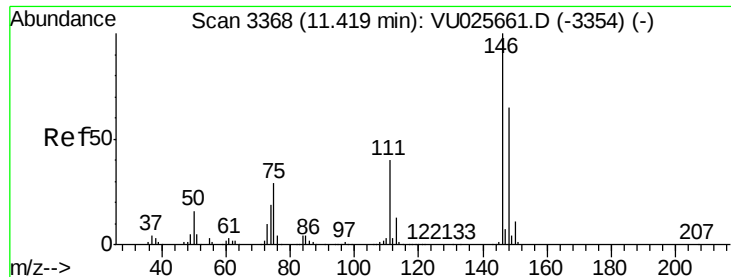
Tot Ion:105 Resp: 230818
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.39 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion:119 Resp: 210077
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.2 39.5
 91 23.7 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.83 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

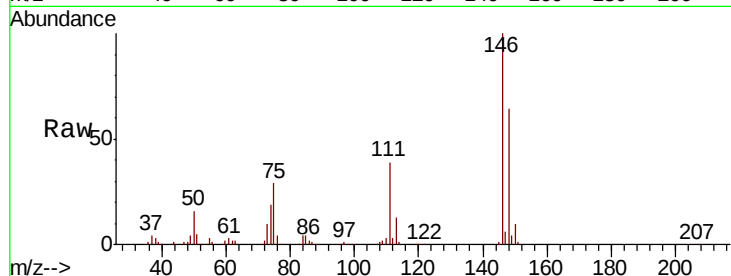
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 113527

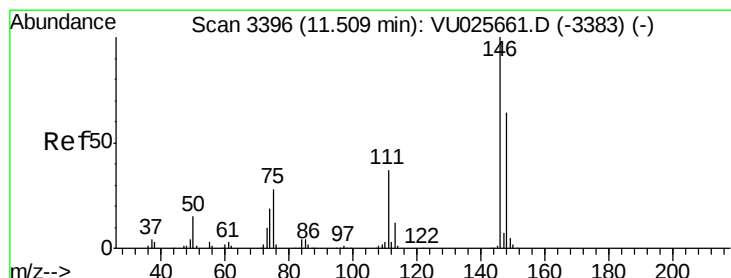
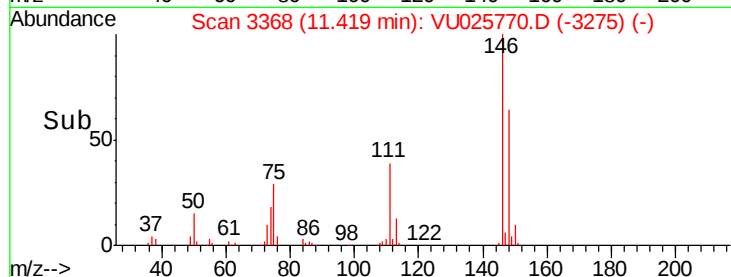
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.7	32.1	96.3



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: 19.99 ug/l

RT: 11.51 min Scan# 3396

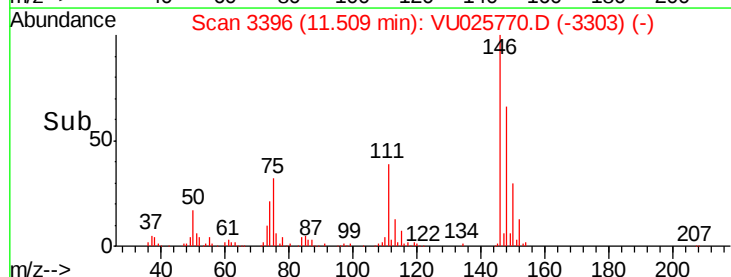
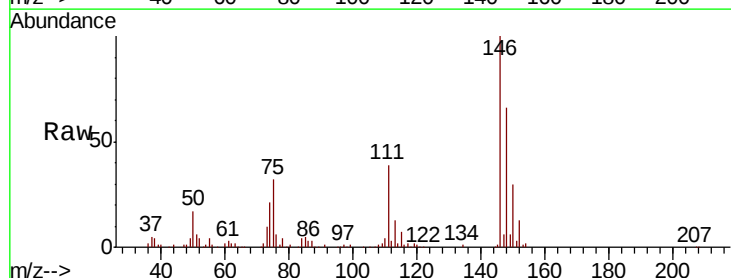
Delta R.T. 0.00 min

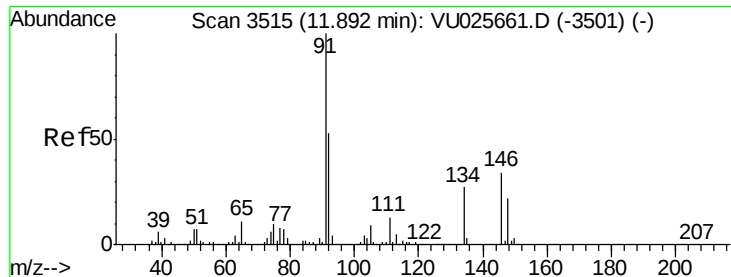
Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Tgt Ion:146 Resp: 113582

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	65.3	31.7	95.1





#89

n-Butylbenzene

Concen: 20.61 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025770.D

Acq: 01 Aug 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

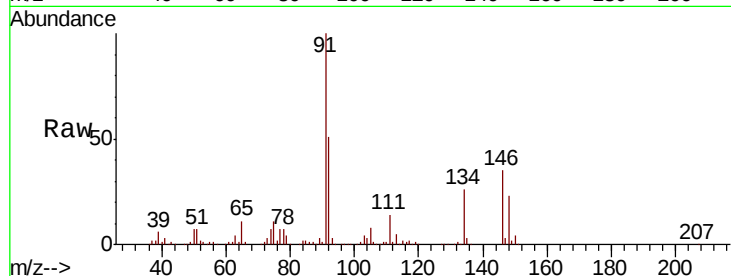
Tot Ion: 91 Resp: 186719

Ion Ratio Lower Upper

91 100

92 51.7 26.5 79.5

134 26.2 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025661.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025661.D (-3501) (-)

11.89

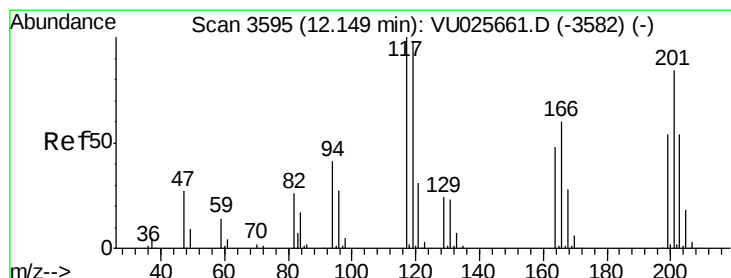
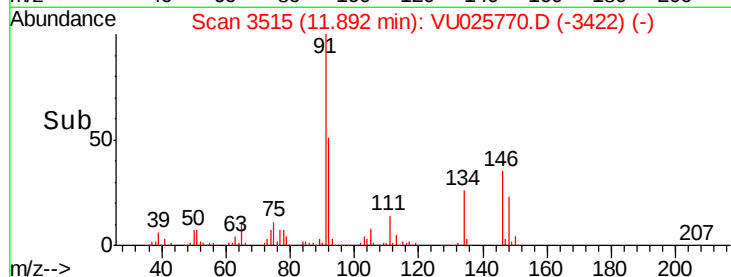
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 19.87 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025770.D

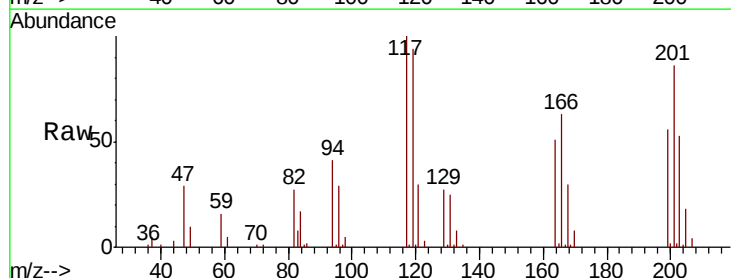
Acq: 01 Aug 2018 12:30

Tgt Ion: 117 Resp: 34697

Ion Ratio Lower Upper

117 100

201 84.7 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025661.D (-3582) (-)

12.15

25000

20000

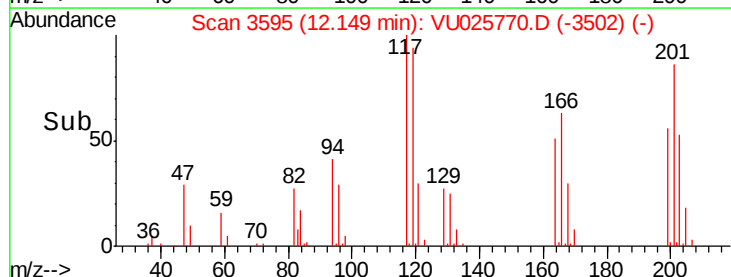
15000

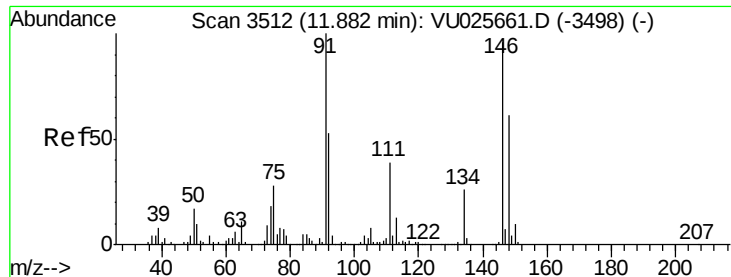
10000

5000

0

Time-->

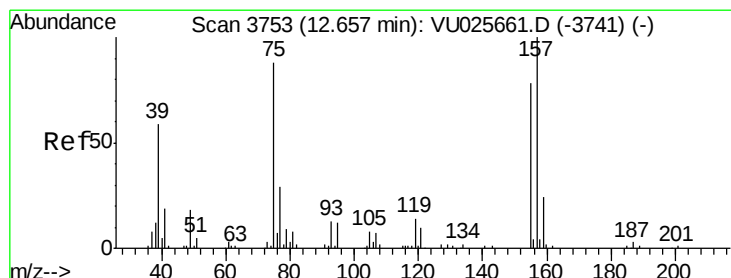
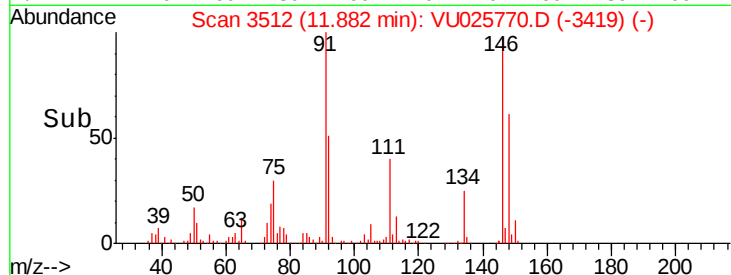
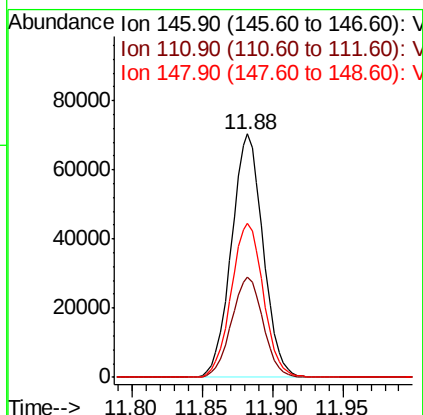
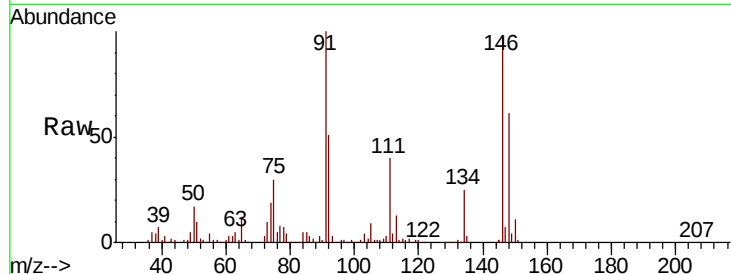




#91
 1,2-Dichlorobenzene
 Concen: 20.68 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

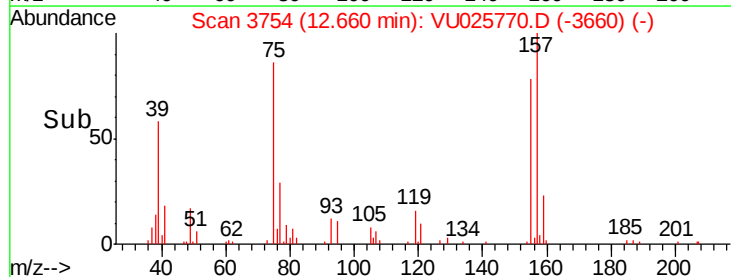
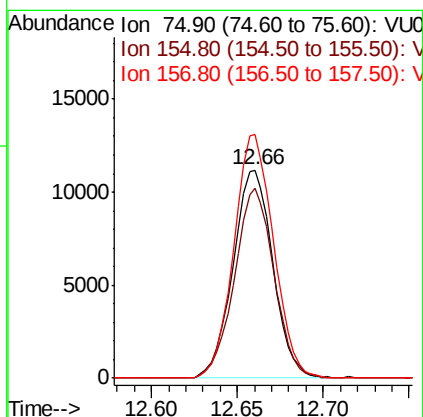
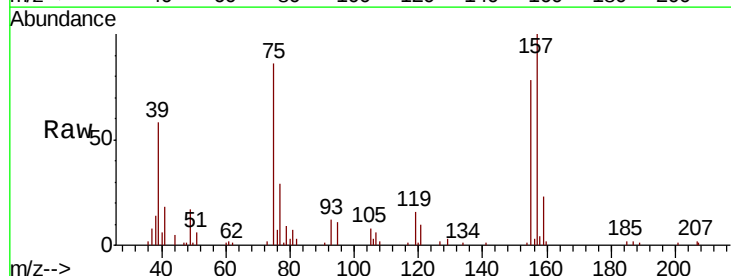
Instrument :
 MSVOA_U
 ClientSampleId :

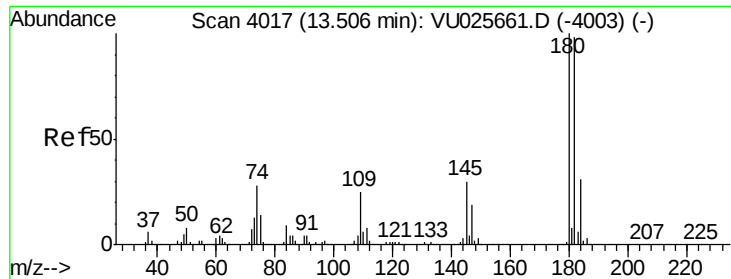
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.2	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.65 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	44.5	133.3
157	116.6	57.0	170.8

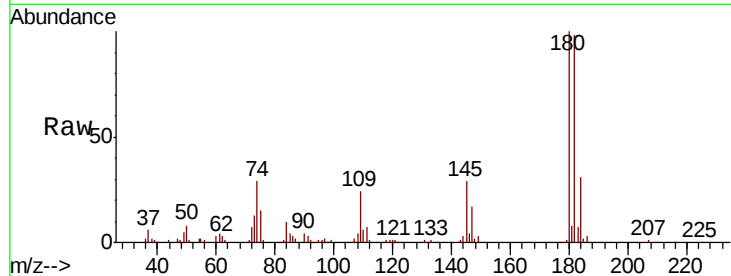




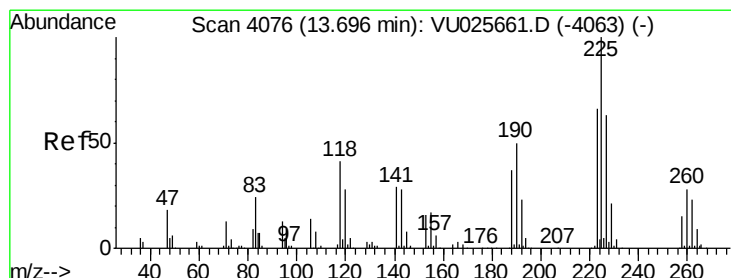
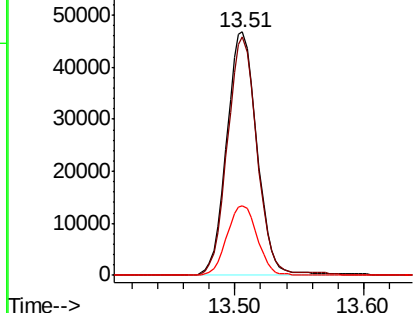
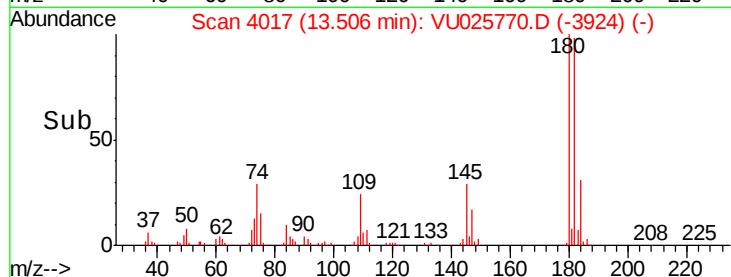
#93
 1,2,4-Trichlorobenzene
 Concen: 21.17 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 76311
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 141.9
 145 28.6 14.9 44.7

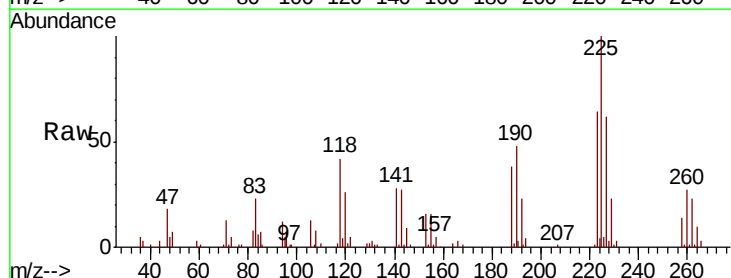


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

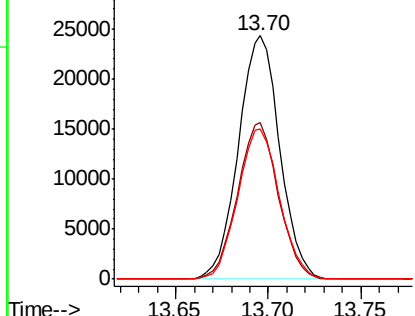
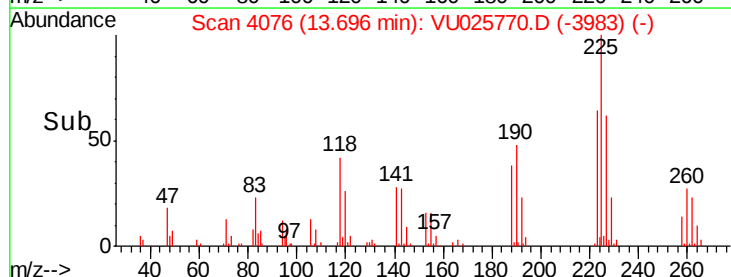


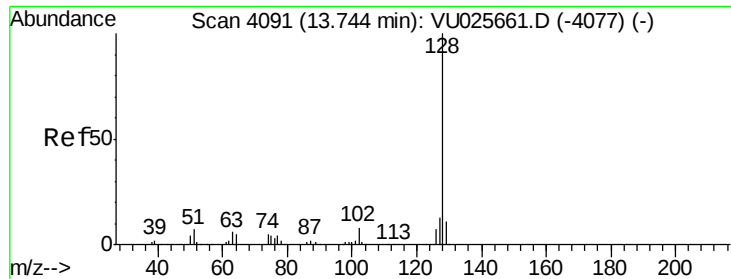
#94
 Hexachlorobutadiene
 Concen: 19.75 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion:225 Resp: 37534
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.9 95.7
 227 62.2 32.3 96.9



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

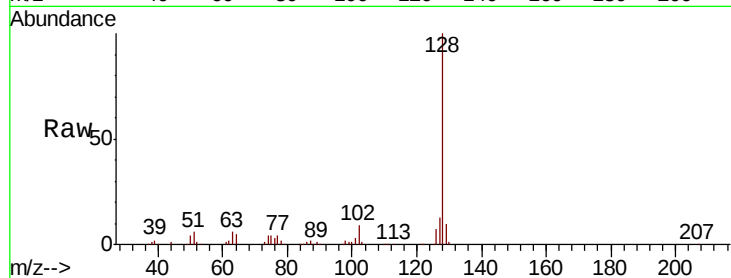




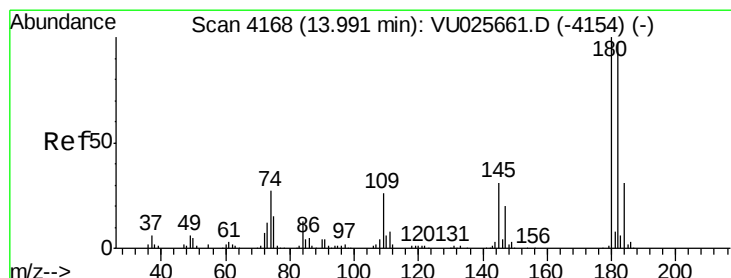
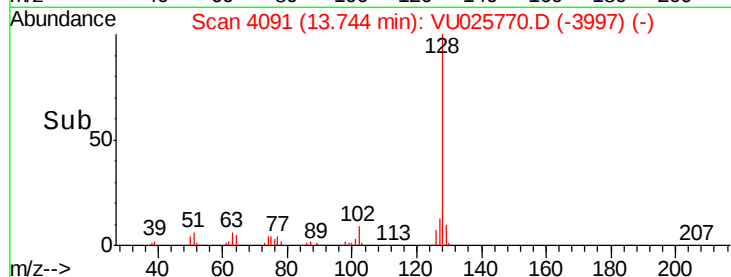
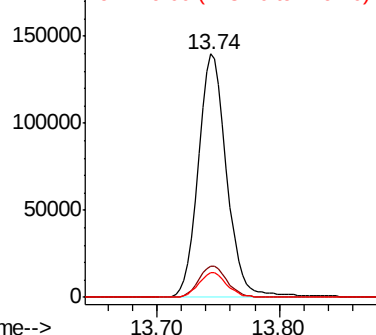
#95
Naphthalene
Concen: 20.45 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 228093
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.0 8.3 12.5

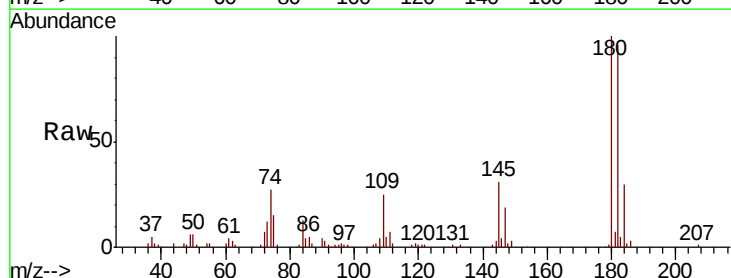


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.54 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Tgt Ion:180 Resp: 77459
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 31.2 15.6 46.8



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

