

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 :
 VU0801MBSD02

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

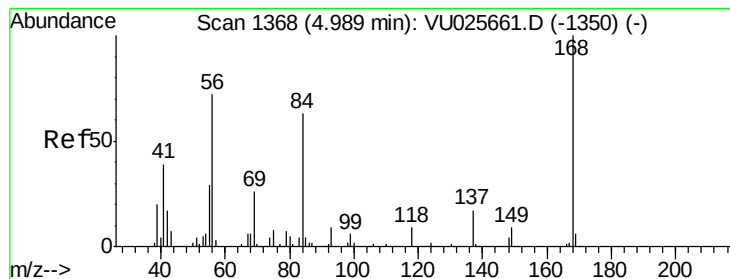
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

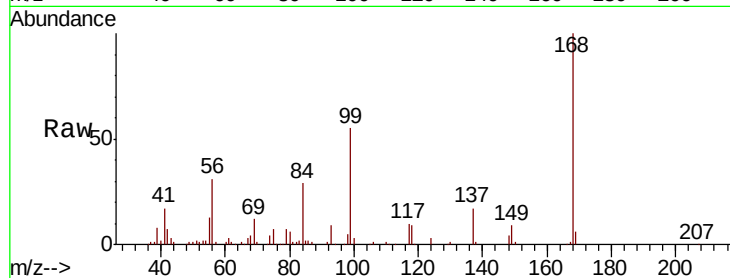
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

Tot Ion:168 Resp: 171436

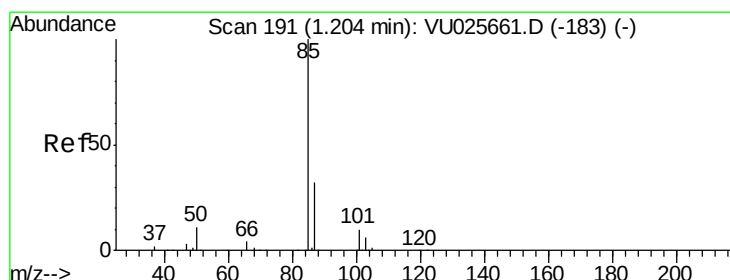
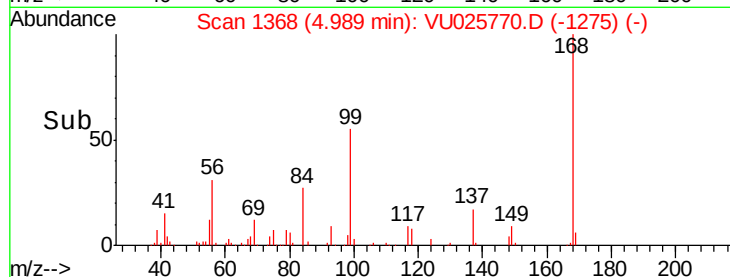
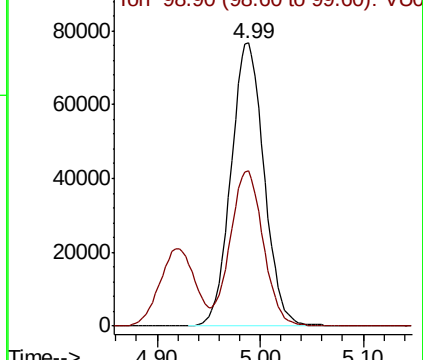
Ion Ratio Lower Upper

168 100

99 54.7 42.8 64.2



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



#2

Dichlorodifluoromethane

Concen: 22.49 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025770.D

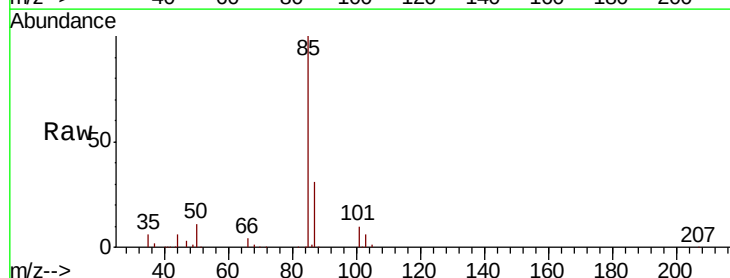
Acq: 01 Aug 2018 12:30

Tgt Ion: 85 Resp: 58273

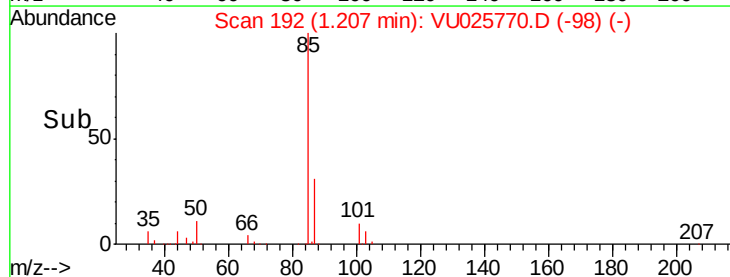
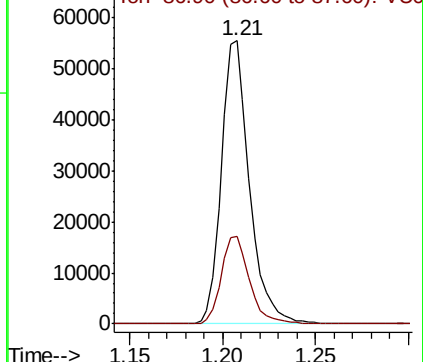
Ion Ratio Lower Upper

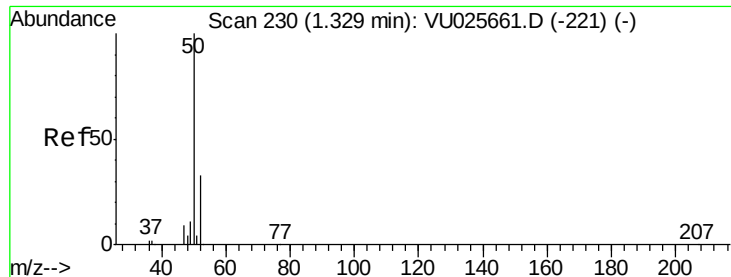
85 100

87 30.9 16.5 49.5



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

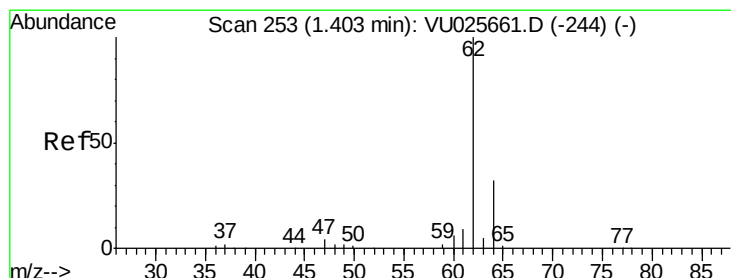
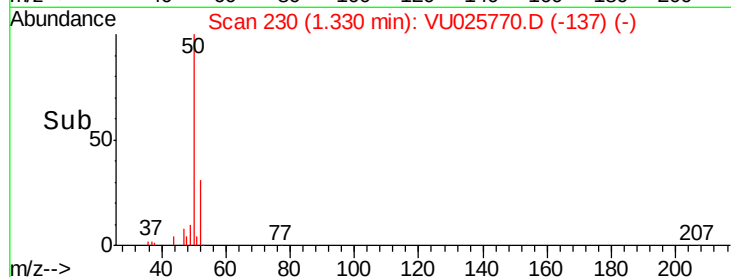
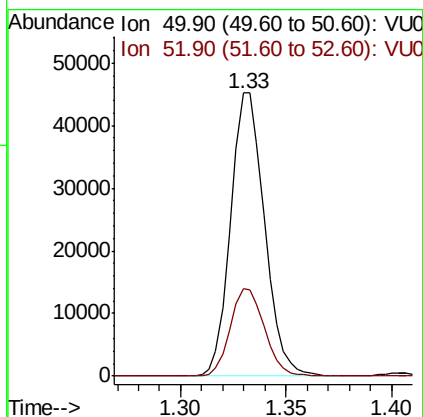
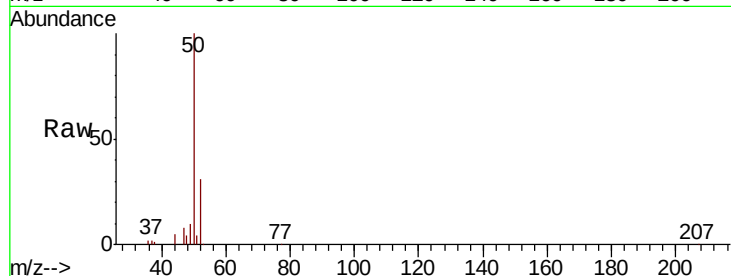




#3
Chloromethane
Concen: 20.32 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

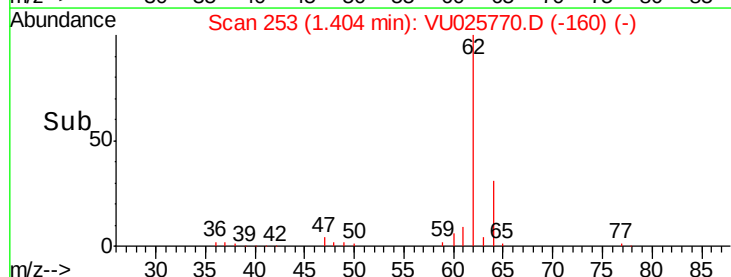
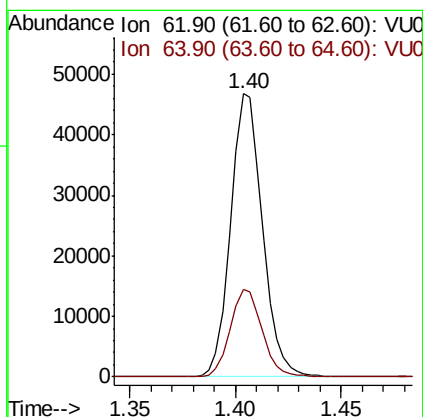
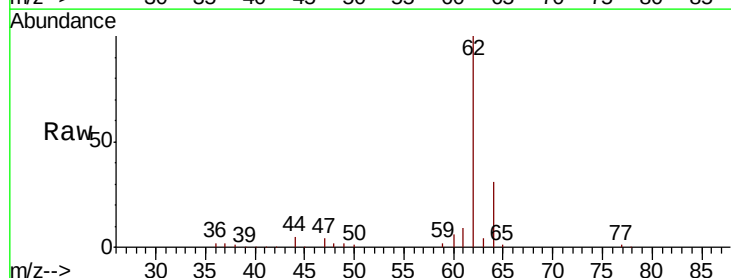
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

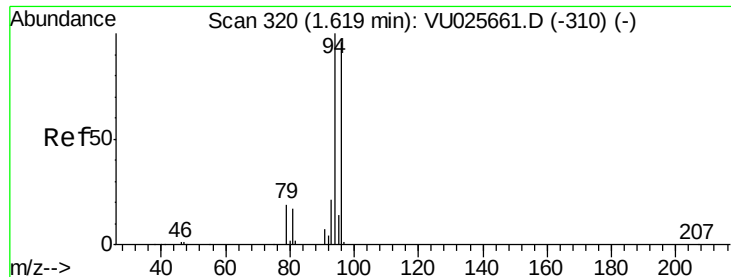
Tot Ion: 50 Resp: 50327
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7



#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





#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 :

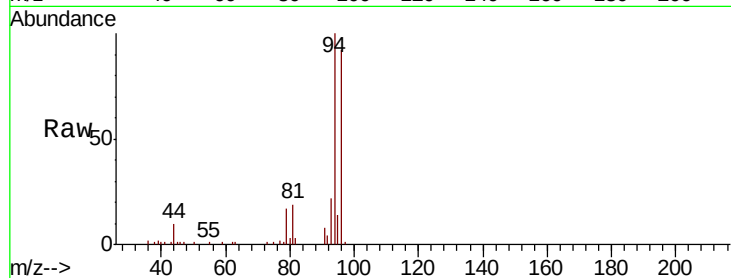
VU0801MBS02

Tot Ion: 94 Resp: 24407

Ion Ratio Lower Upper

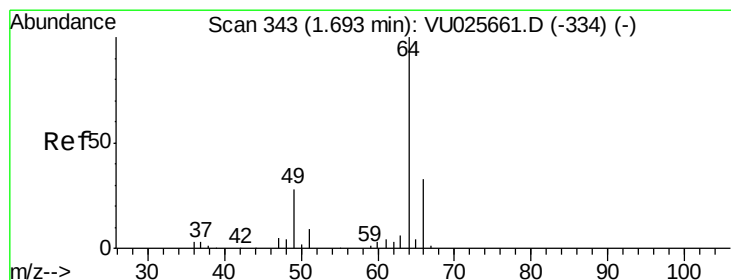
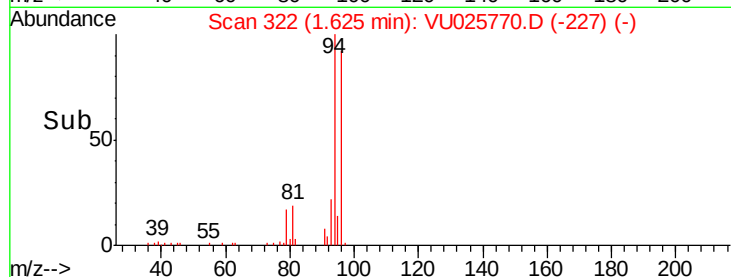
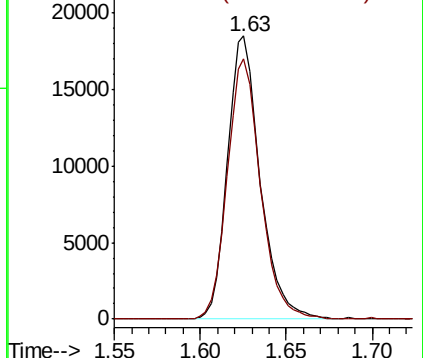
94 100

96 91.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.47 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025770.D

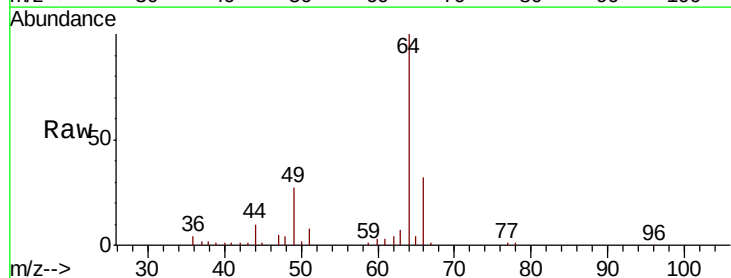
Acq: 01 Aug 2018 12:30

Tgt Ion: 64 Resp: 27897

Ion Ratio Lower Upper

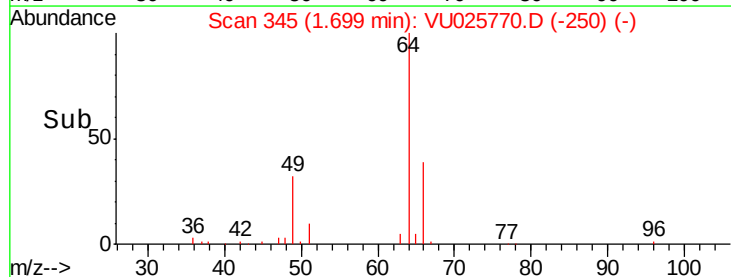
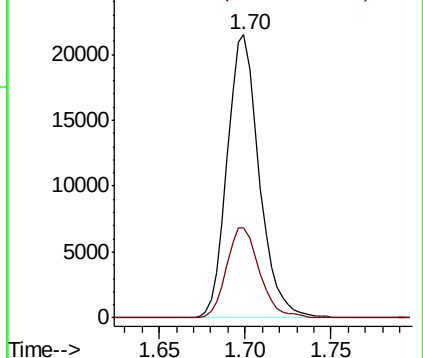
64 100

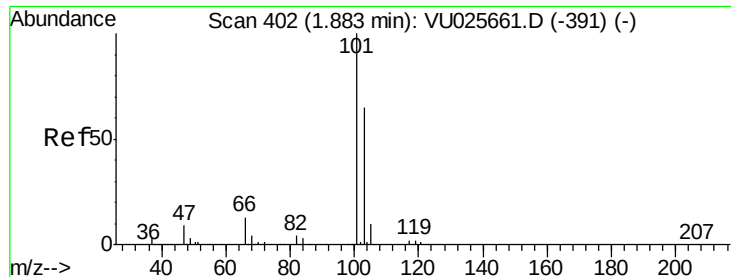
66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#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

ClientSampleId :

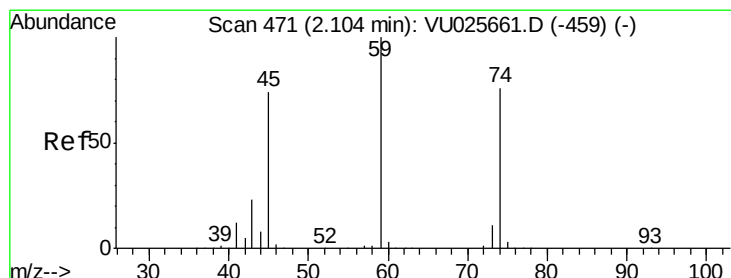
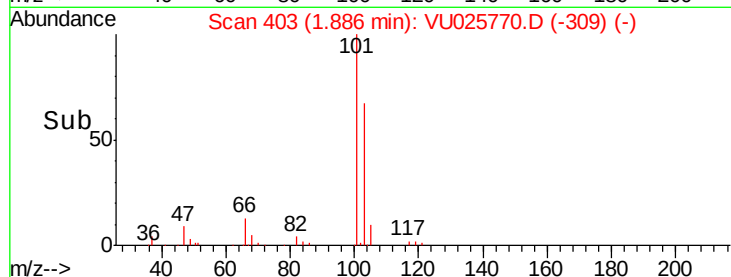
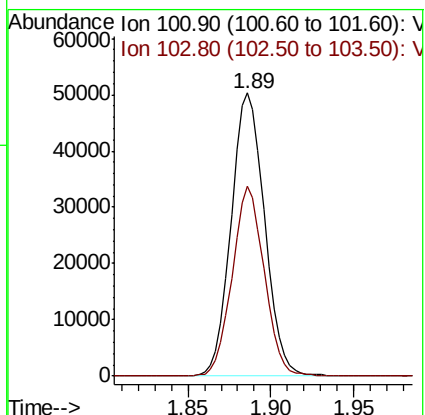
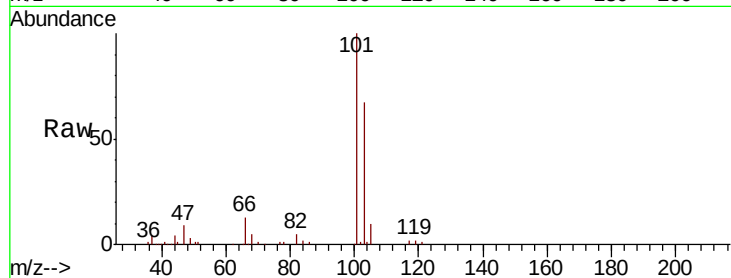
VU0801MBS02

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

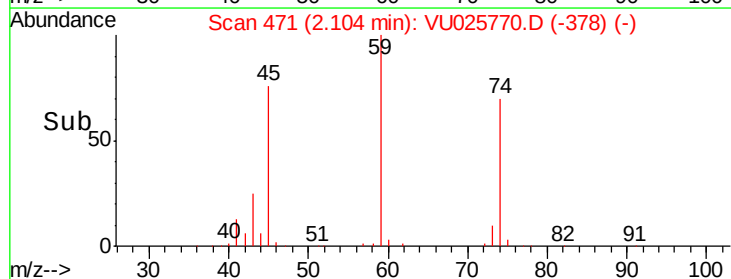
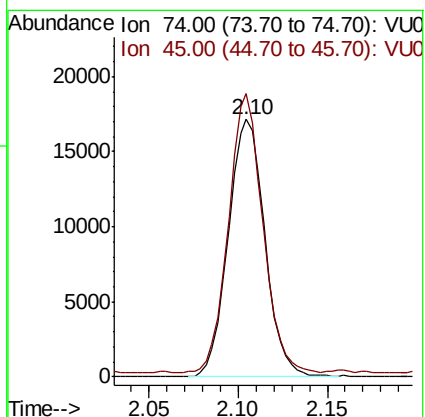
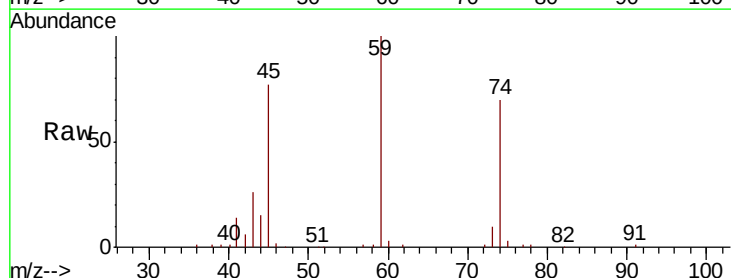
Acq: 01 Aug 2018 12:30

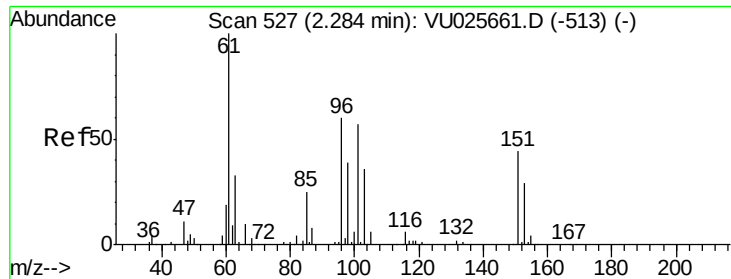
Tgt Ion: 74 Resp: 24415

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 :

VU0801MBSD02

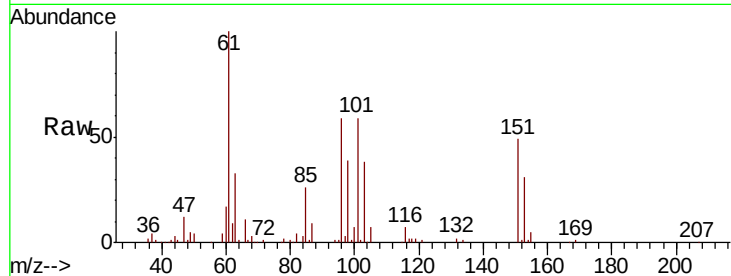
Tot Ion:101 Resp: 42347

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

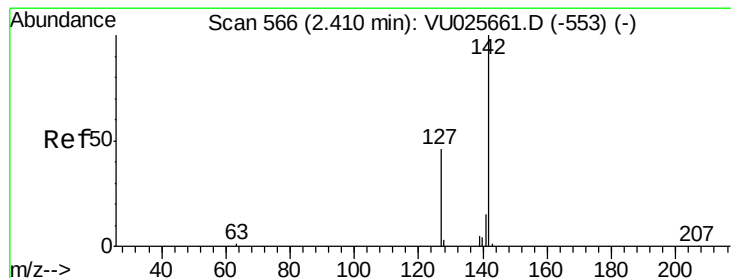
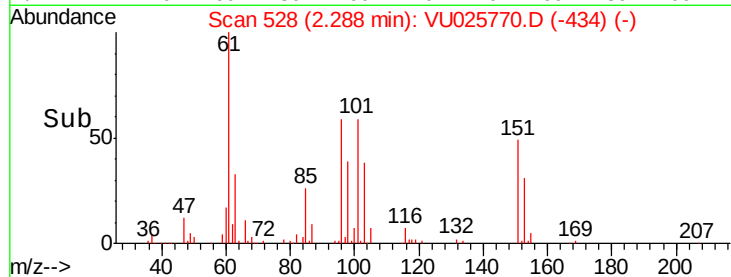
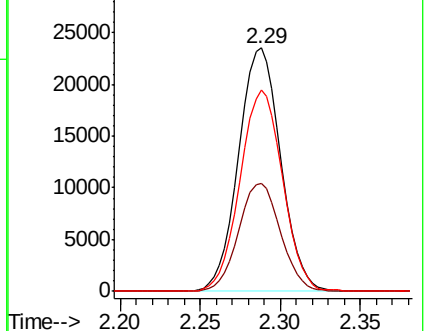
151 83.5 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

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

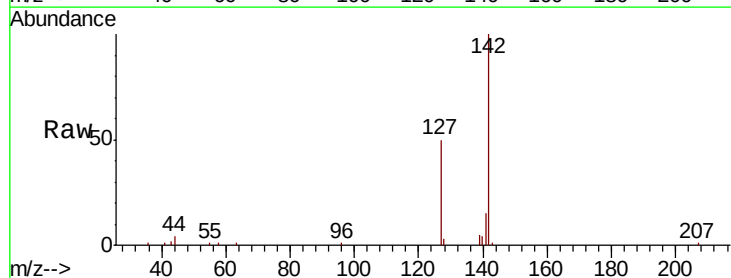
Tgt Ion:142 Resp: 33381

Ion Ratio Lower Upper

142 100

127 48.1 36.5 54.7

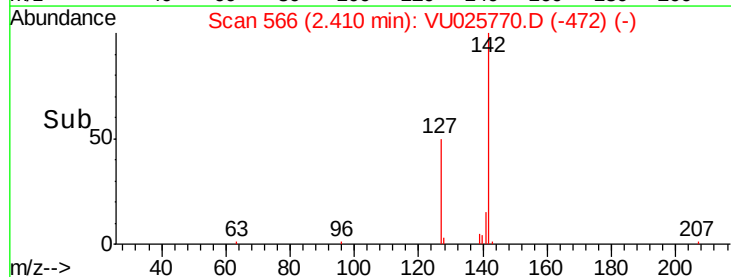
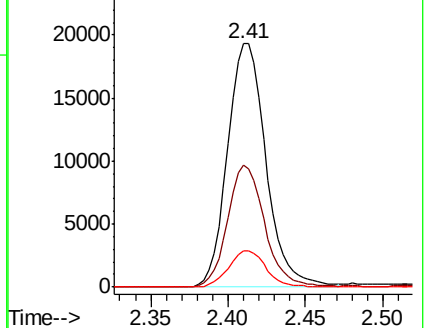
141 14.3 11.4 17.2

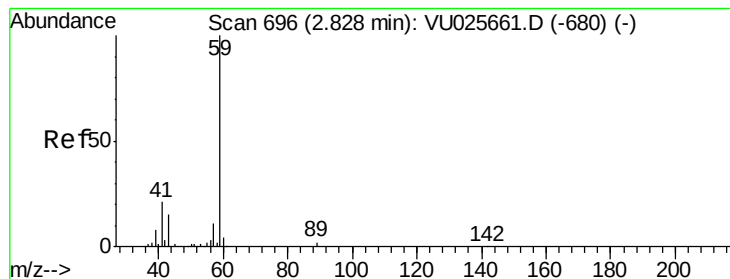


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



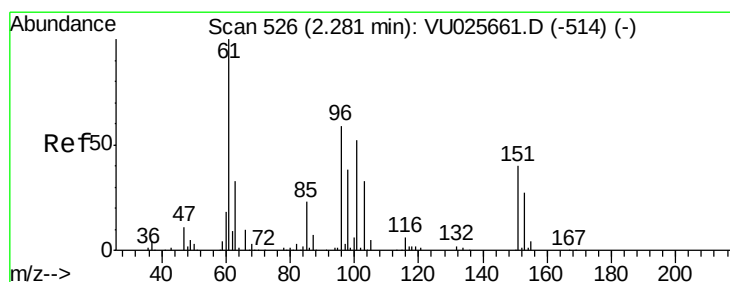
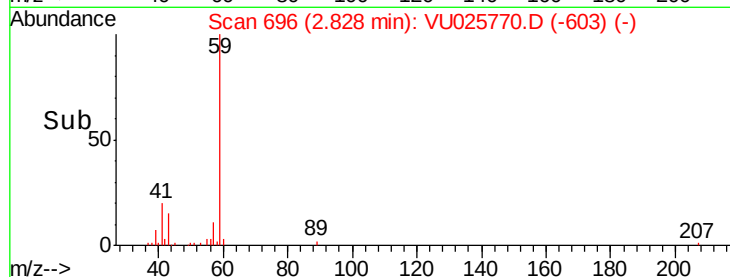
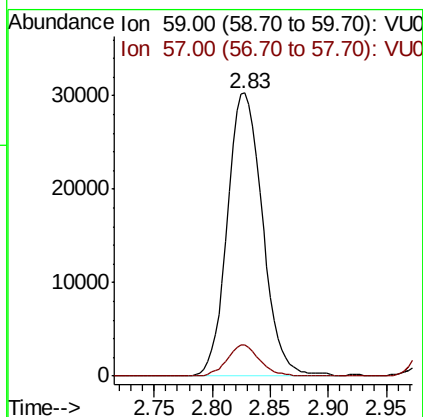
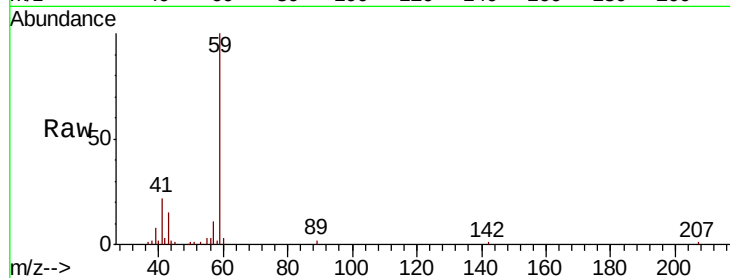


#11

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 :
 VU0801MBSD02

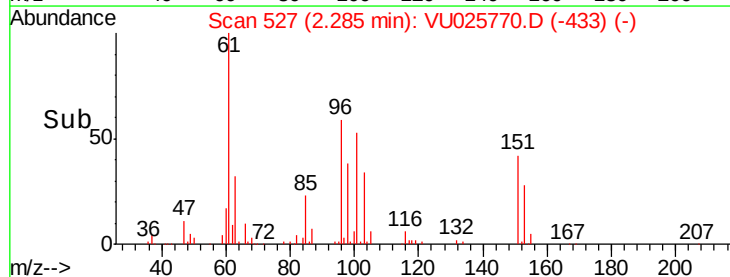
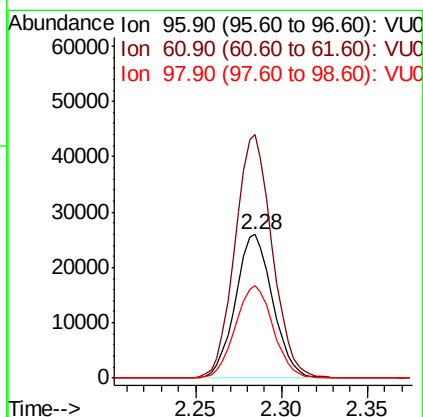
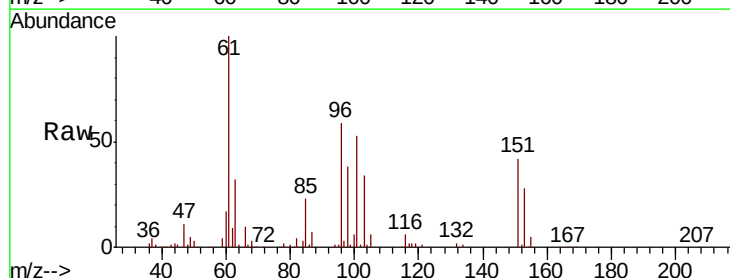
Tot Ion: 59 Resp: 63704
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

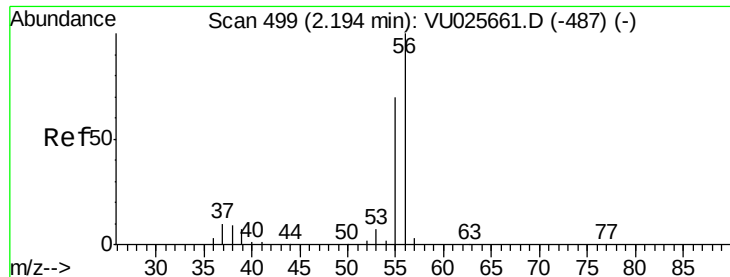


#12

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 :

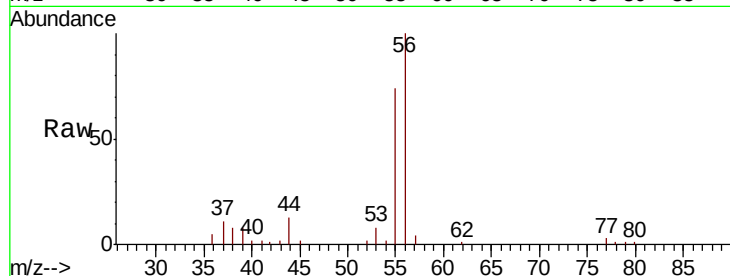
VU0801MBSD02

Tot Ion: 56 Resp: 23574

Ion Ratio Lower Upper

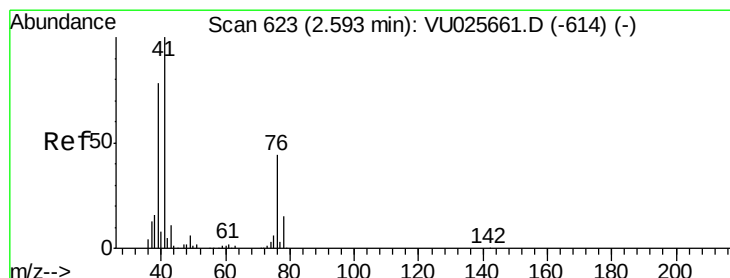
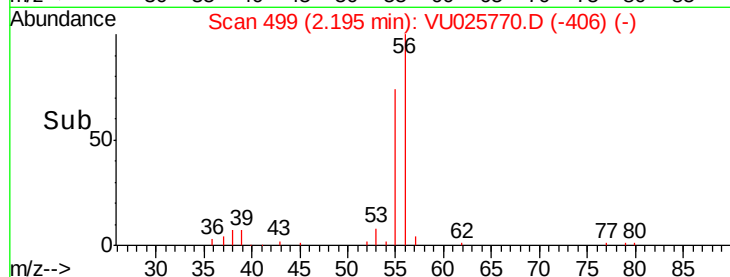
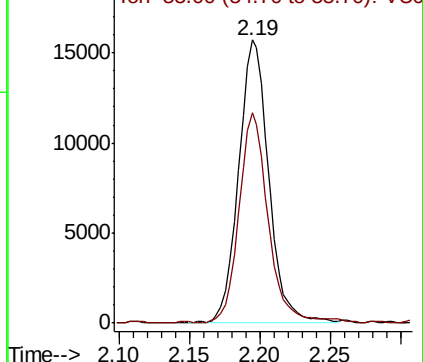
56 100

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

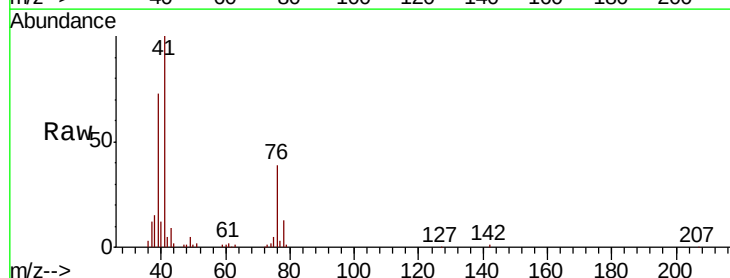
Tgt Ion: 41 Resp: 65476

Ion Ratio Lower Upper

41 100

39 74.5 60.6 91.0

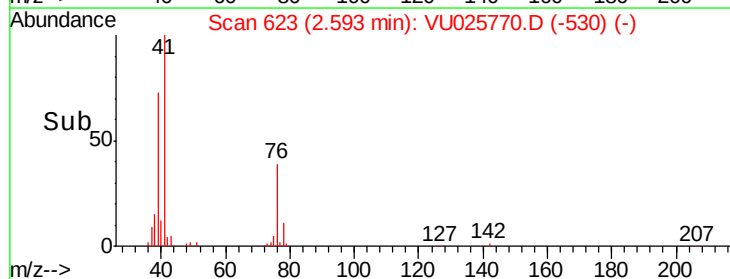
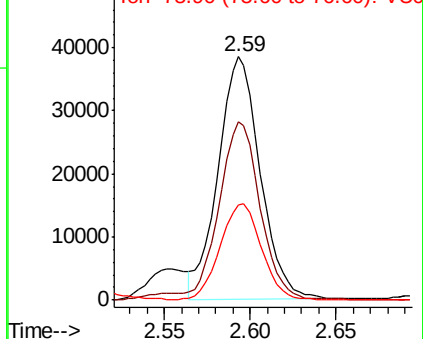
76 39.0 30.5 45.7

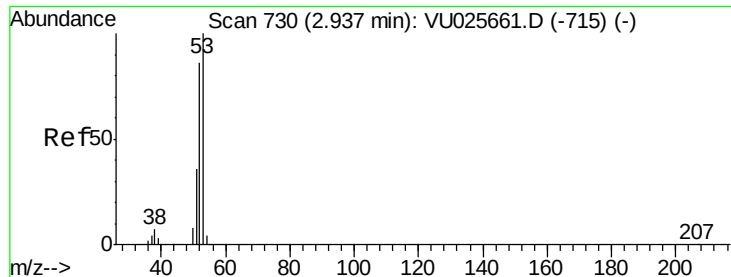


Abundance Ion 41.00 (40.70 to 41.70): VU0

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 :

VU0801MBSD02

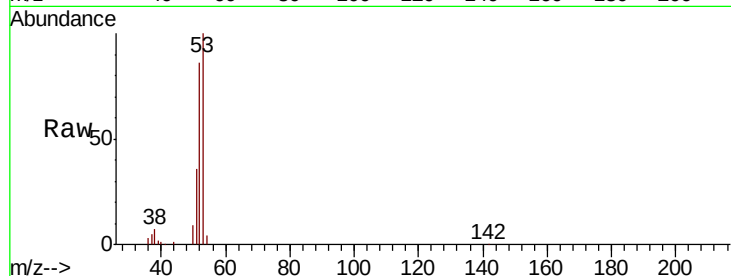
Tot Ion: 53 Resp: 126065

Ion Ratio Lower Upper

53 100

52 84.1 66.6 99.8

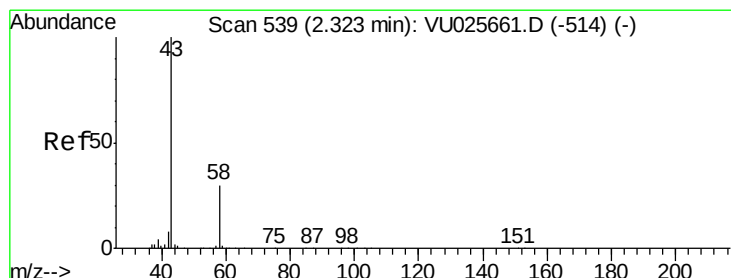
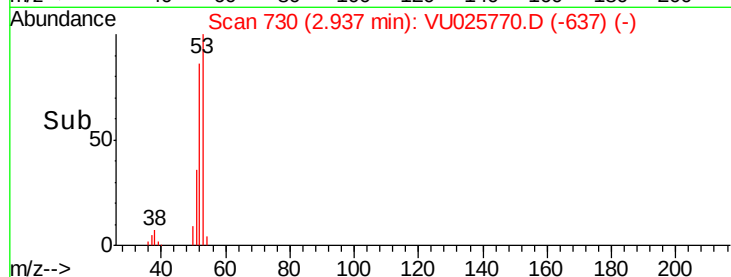
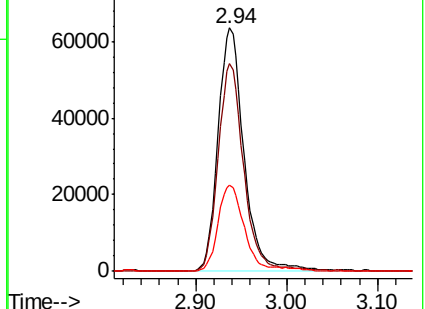
51 36.7 29.4 44.2



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

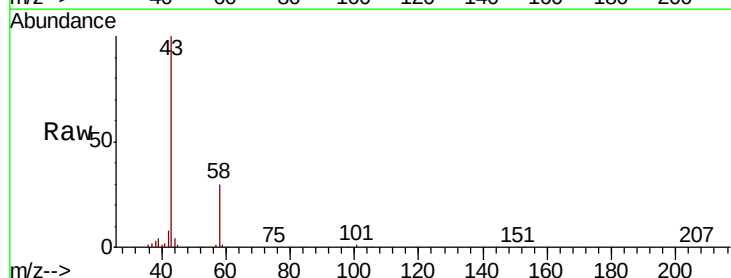
Acq: 01 Aug 2018 12:30

Tgt Ion: 43 Resp: 128703

Ion Ratio Lower Upper

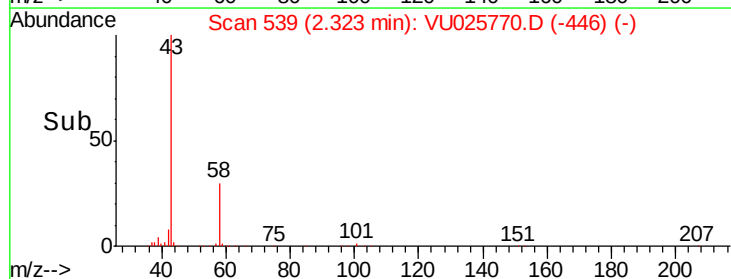
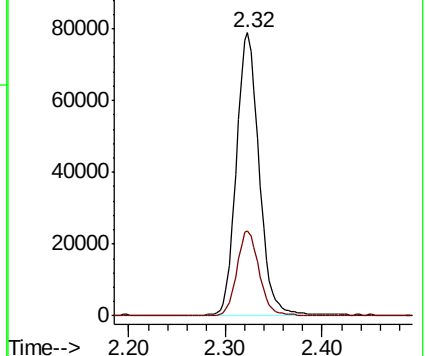
43 100

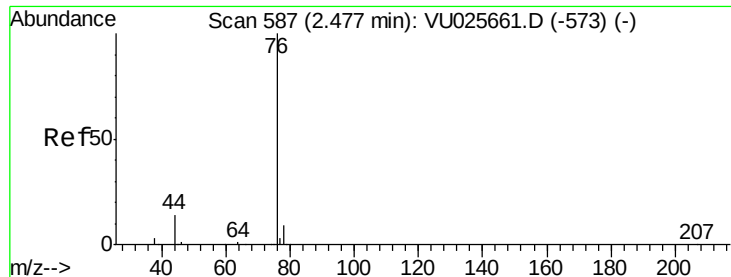
58 30.2 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

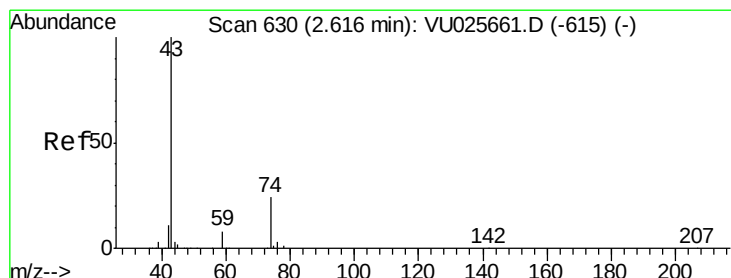
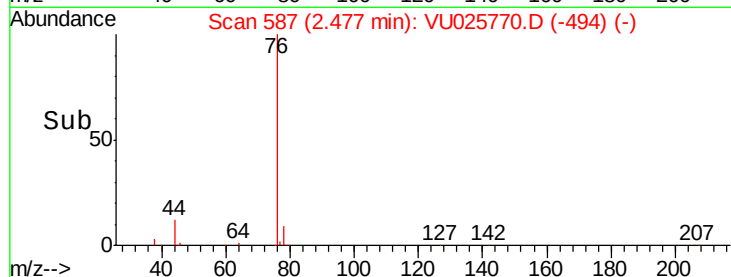
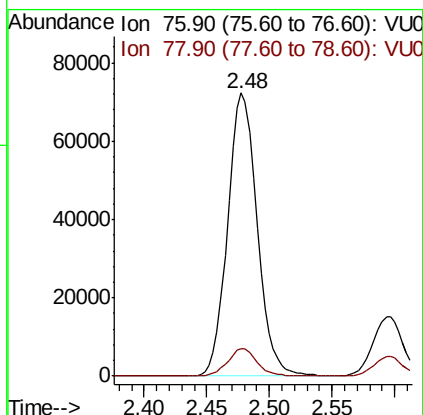
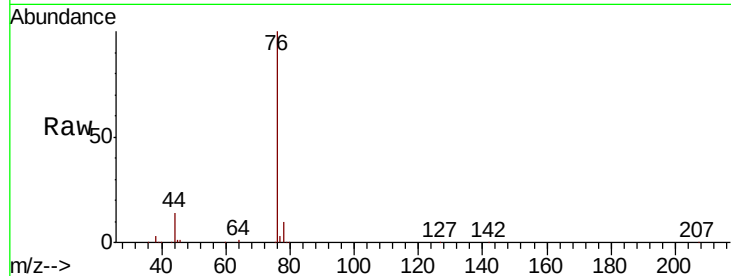




#17
Carbon Disulfide
Concen: 19.88 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

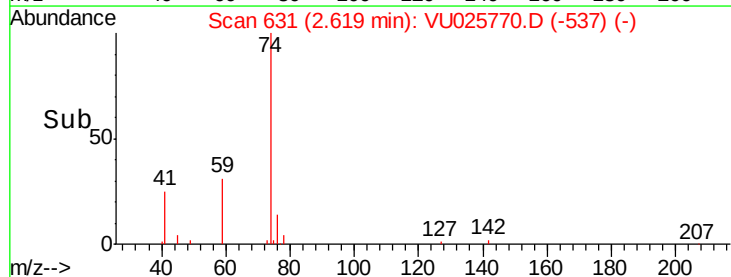
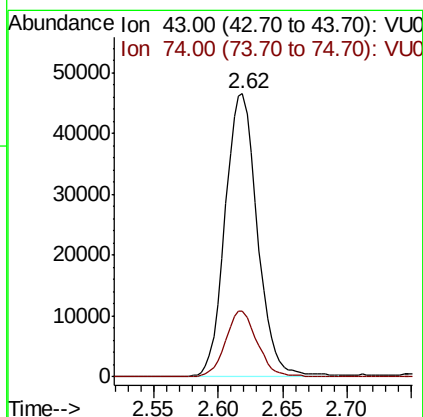
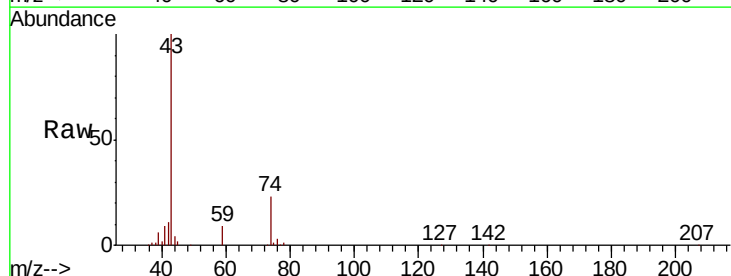
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

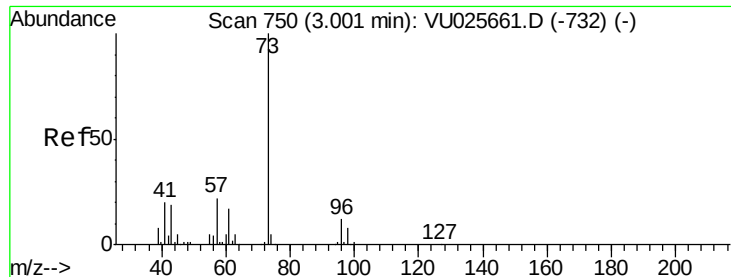
Tot Ion: 76 Resp: 118432
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#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



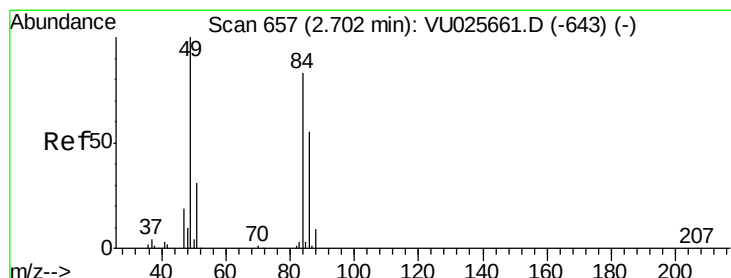
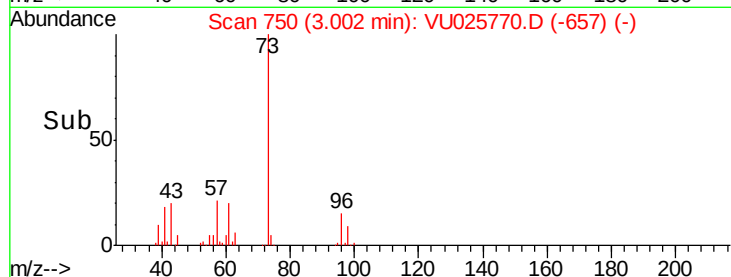
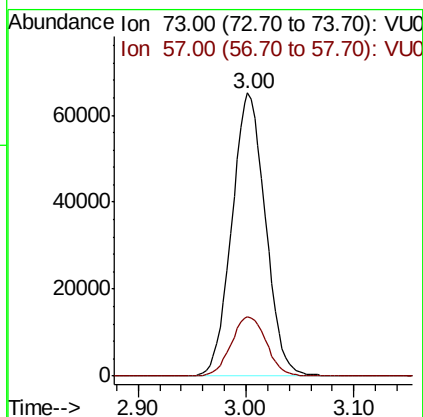
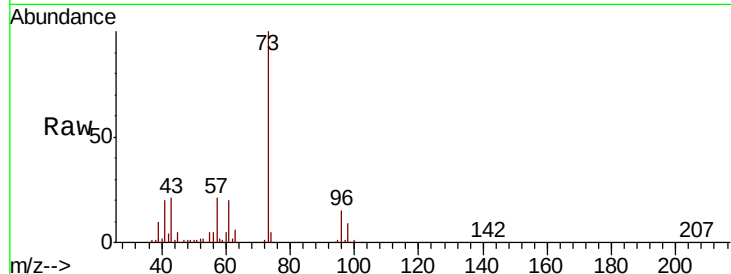


#19

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 :
 VU0801MBSD02

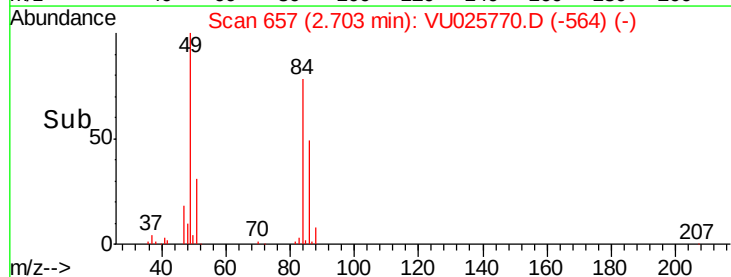
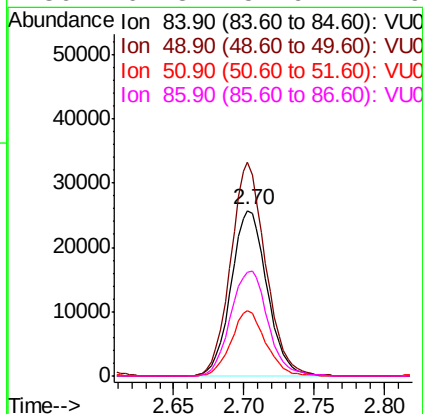
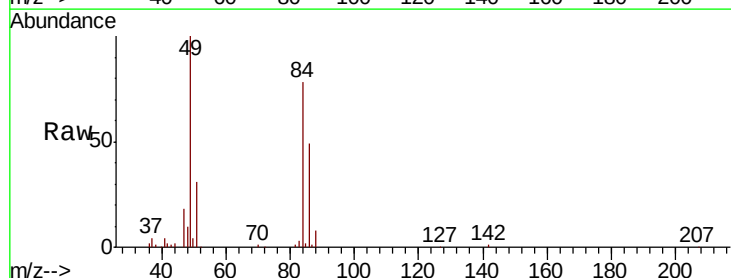
Tot Ion: 73 Resp: 141111
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.4 26.2

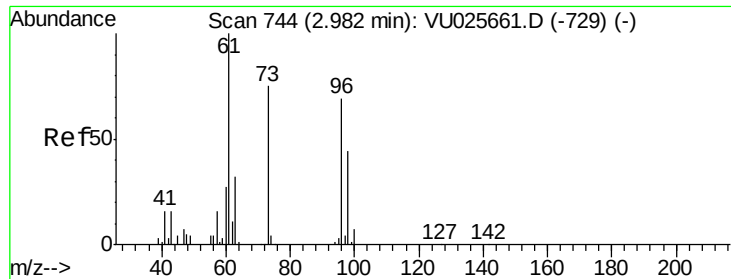


#20

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 :

VU0801MBS02

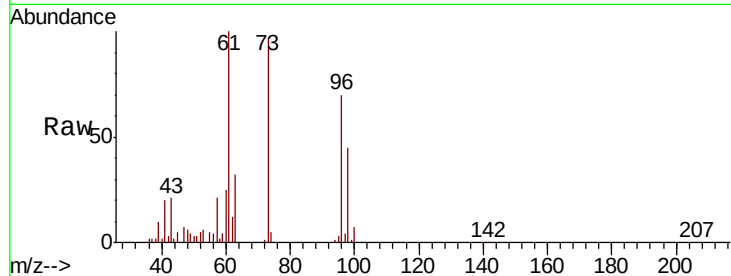
Tot Ion: 96 Resp: 43952

Ion Ratio Lower Upper

96 100

61 142.9 114.5 171.7

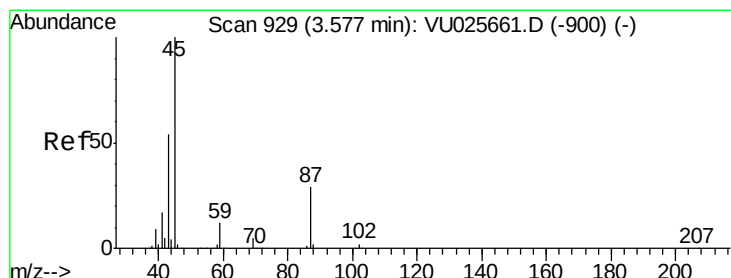
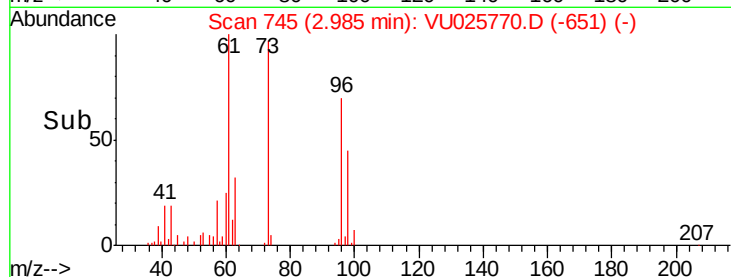
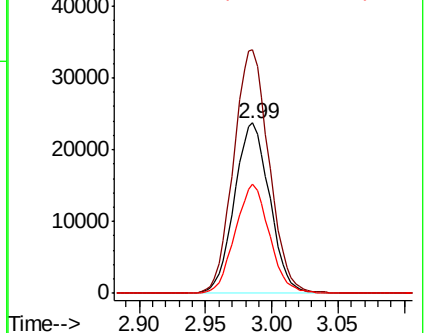
98 63.8 50.5 75.7



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

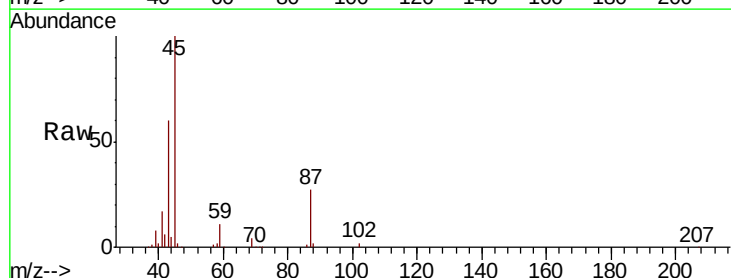
Ion Ratio Lower Upper

45 100

43 57.1 50.9 76.3

87 26.7 23.8 35.8

59 10.6 9.0 13.4

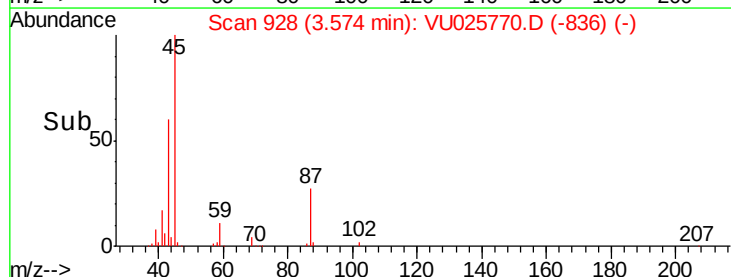
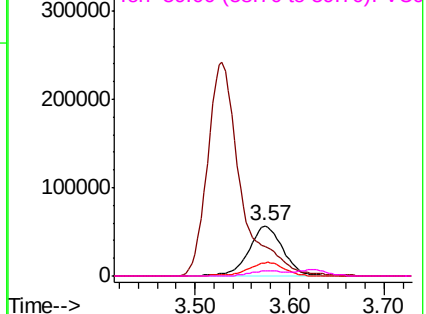


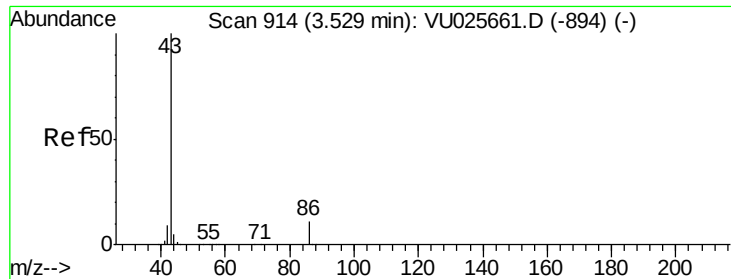
Abundance Ion 45.00 (44.70 to 45.70): VU0

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

ClientSampleID :

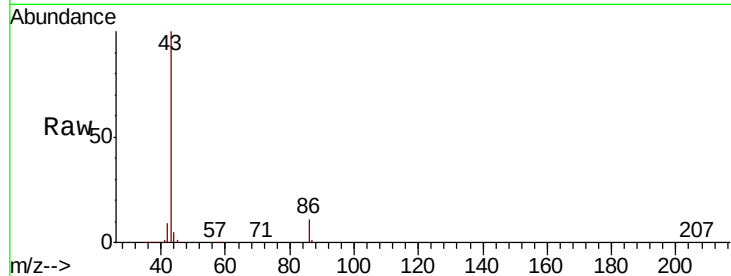
VU0801MBS02

Tot Ion: 43 Resp: 590794

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU025770.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU025770.D (-821) (-)

3.53

250000

200000

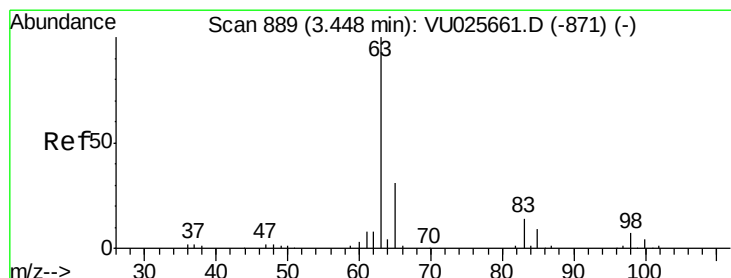
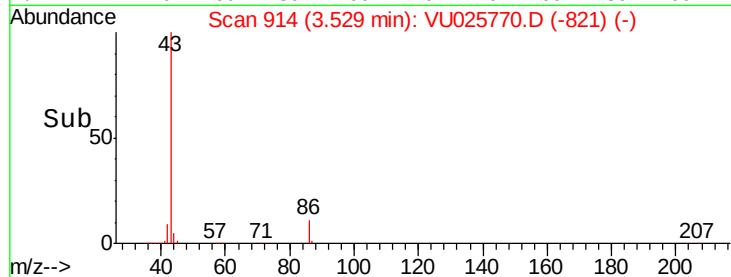
150000

100000

50000

0

Time--> 3.40 3.50 3.60 3.70



#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

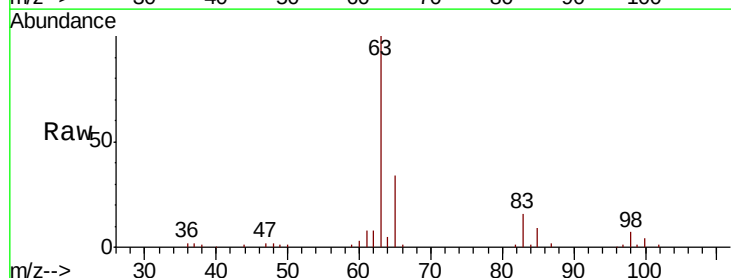
Tgt Ion: 63 Resp: 83104

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025770.D (-796) (-)

Ion 97.90 (97.60 to 98.60): VU025770.D (-796) (-)

Ion 99.90 (99.60 to 100.60): VU025770.D (-796) (-)

3.45

50000

40000

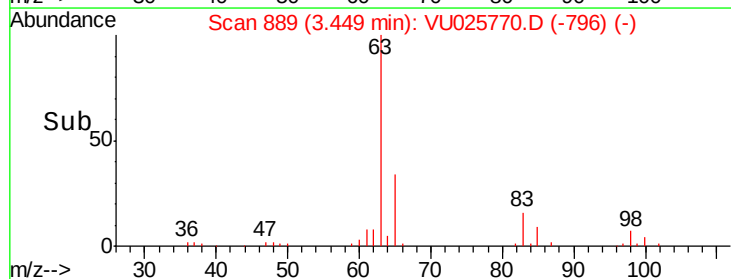
30000

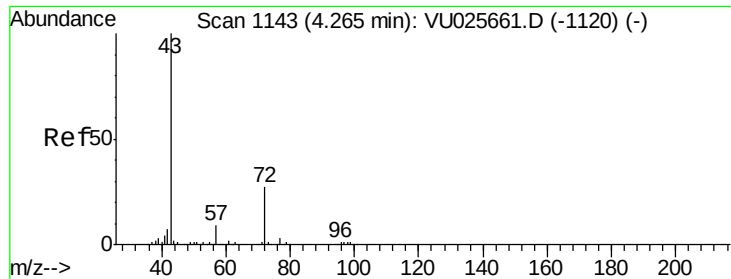
20000

10000

0

Time--> 3.40 3.50

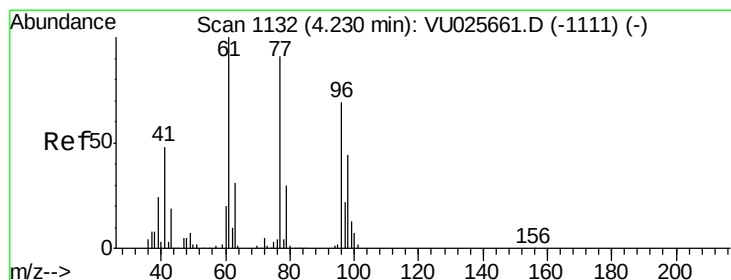
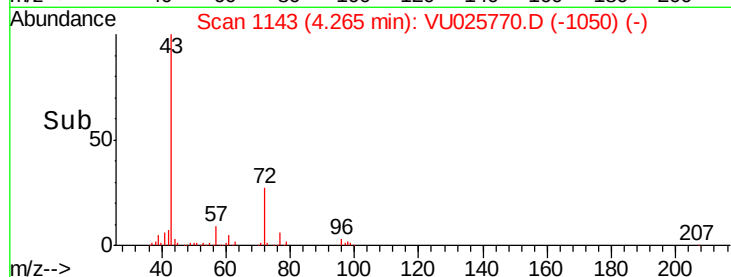
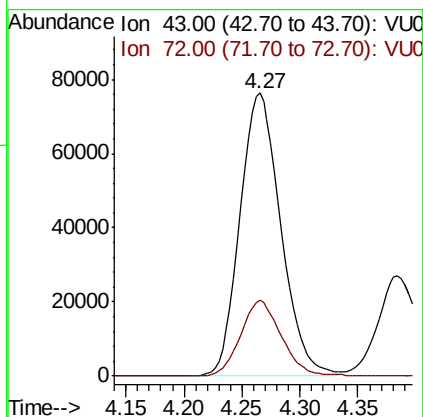
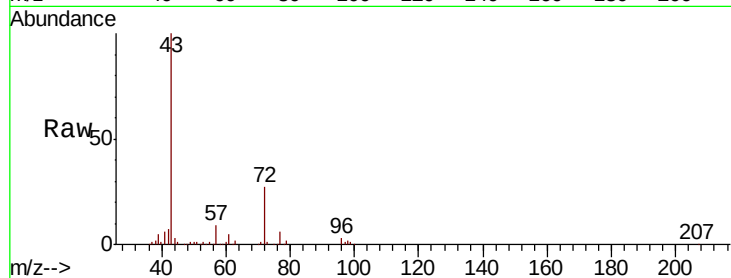




#25
2-Butanone
Concen: 105.21 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

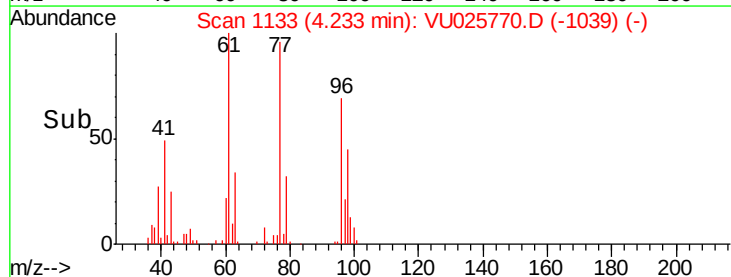
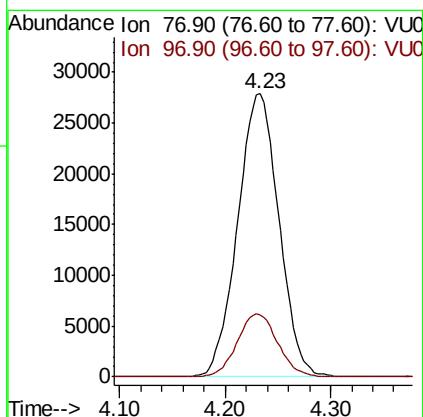
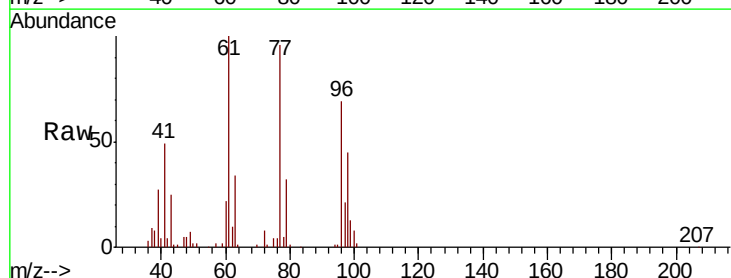
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

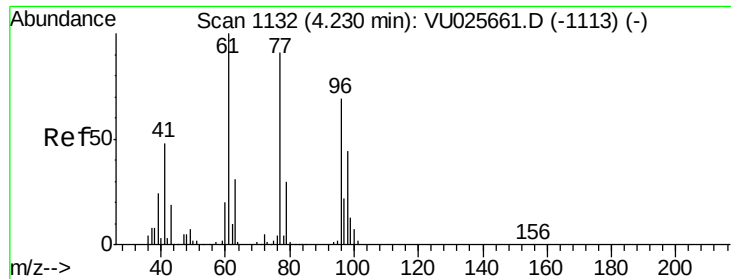
Tot Ion: 43 Resp: 186509
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.4



#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 :

VU0801MBSD02

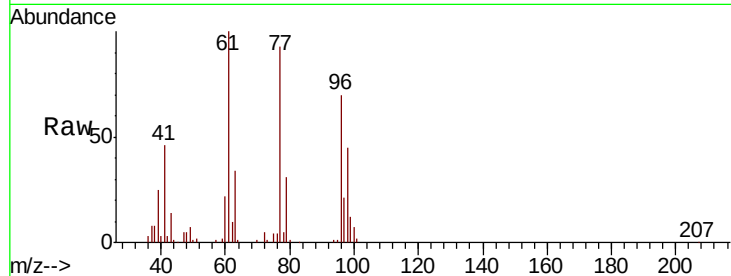
Tot Ion: 96 Resp: 49513

Ion Ratio Lower Upper

96 100

61 149.0 0.0 299.8

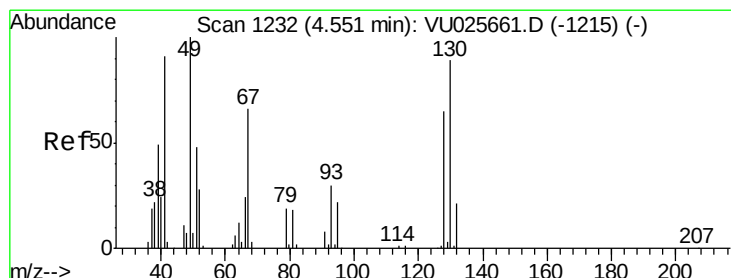
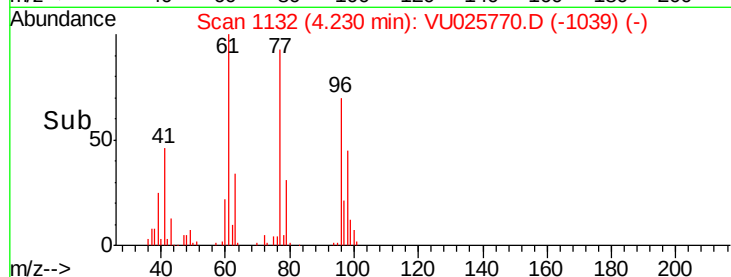
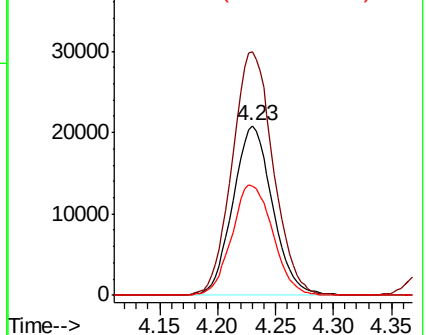
98 67.4 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 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

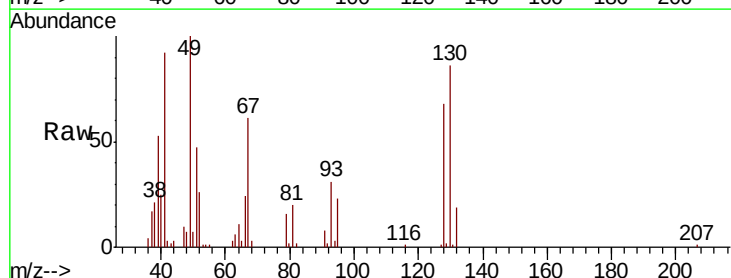
Tgt Ion: 49 Resp: 35887

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

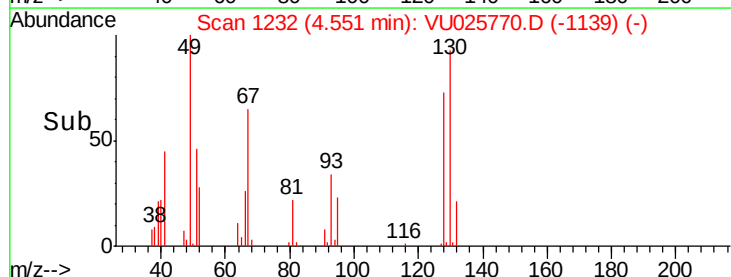
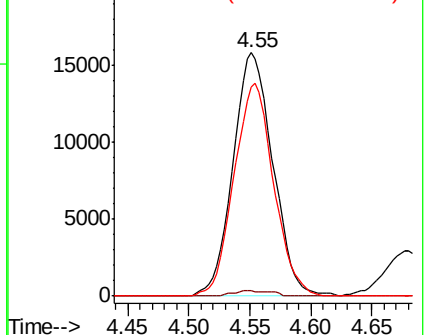
130 86.5 68.6 102.8

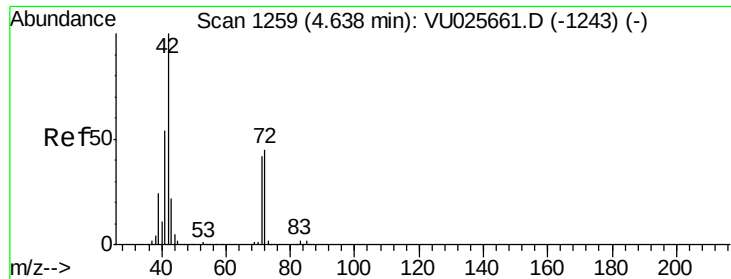


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 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 :

VU0801MBSD02

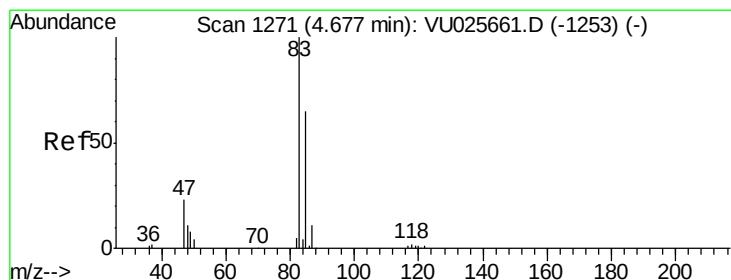
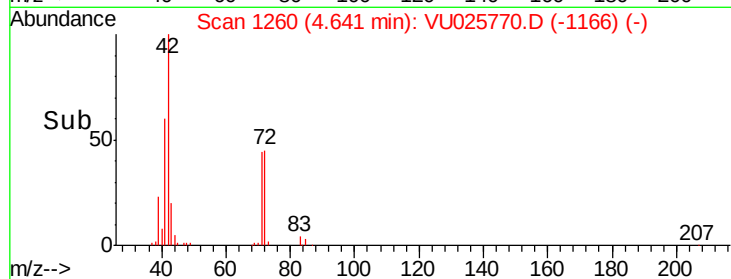
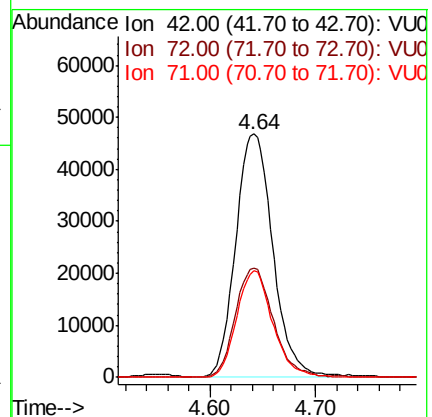
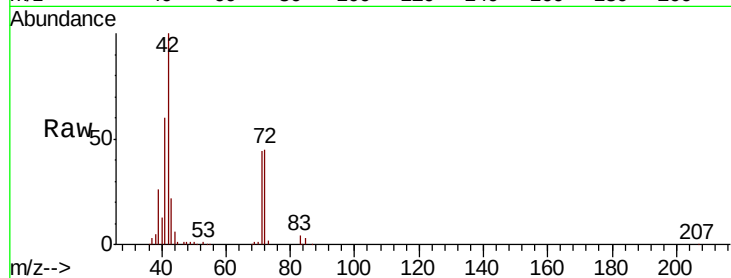
Tot Ion: 42 Resp: 113940

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

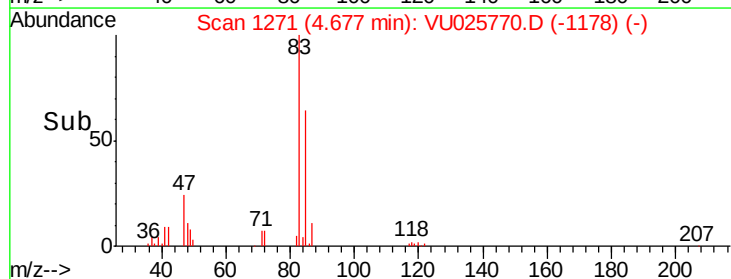
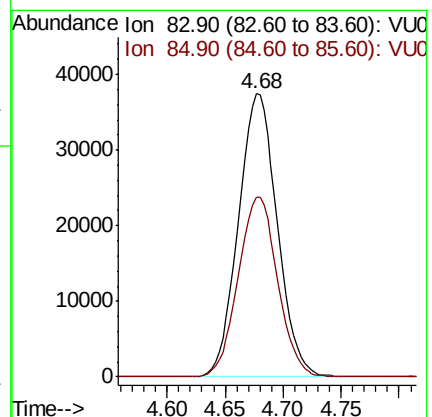
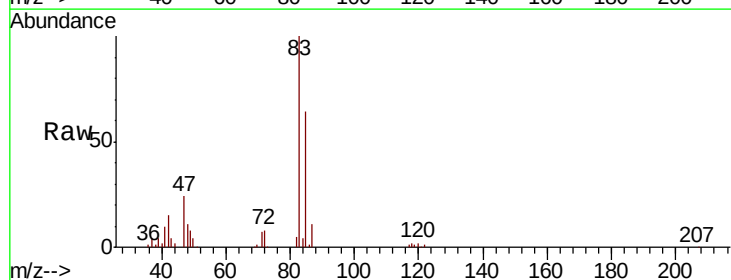
Acq: 01 Aug 2018 12:30

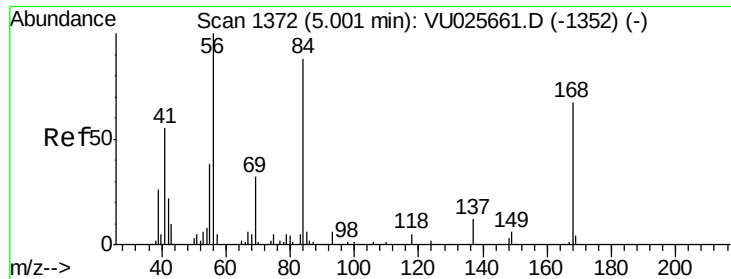
Tgt Ion: 83 Resp: 86945

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 :

VU0801MBSD02

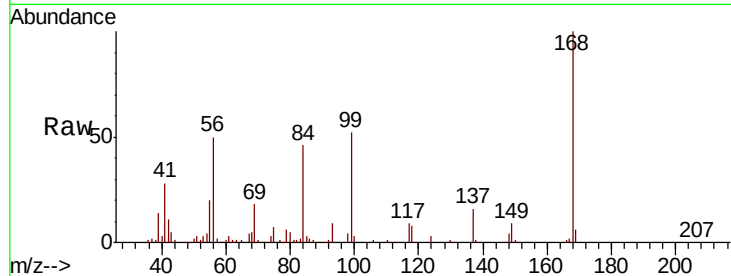
Tot Ion: 56 Resp: 72360

Ion Ratio Lower Upper

56 100

69 36.4 26.8 40.2

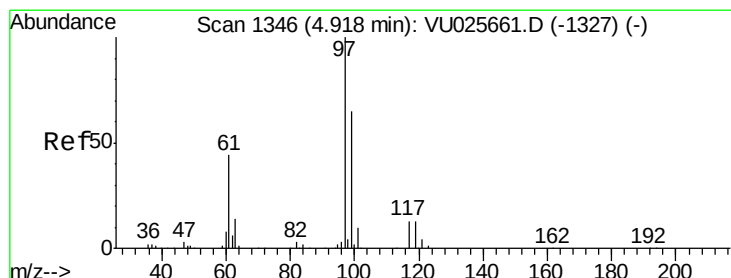
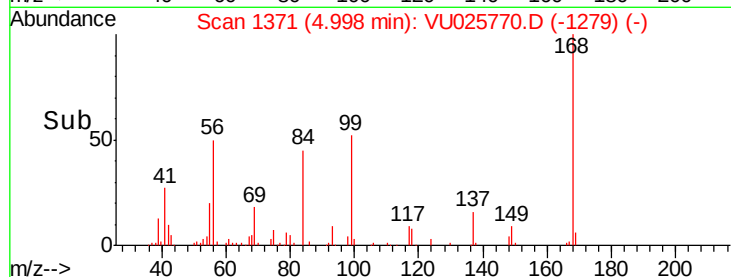
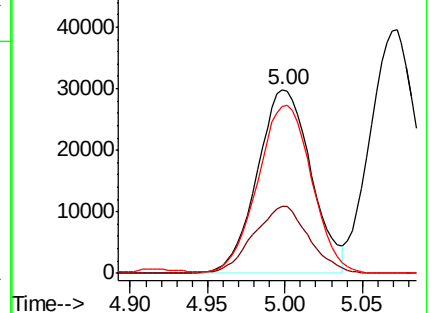
84 89.8 69.7 104.5



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

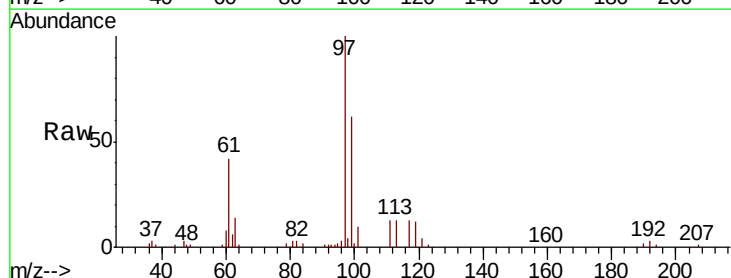
Tgt Ion: 97 Resp: 80601

Ion Ratio Lower Upper

97 100

99 62.2 50.8 76.2

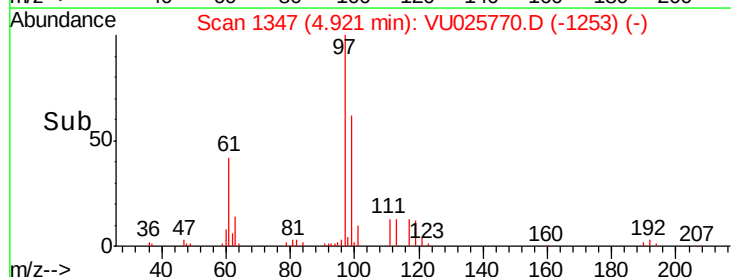
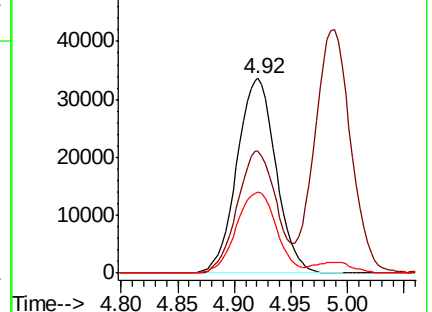
61 42.8 35.2 52.8

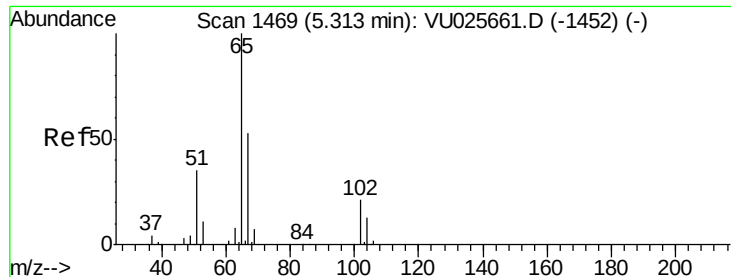


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

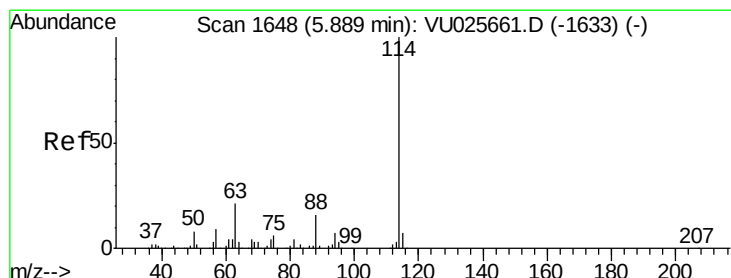
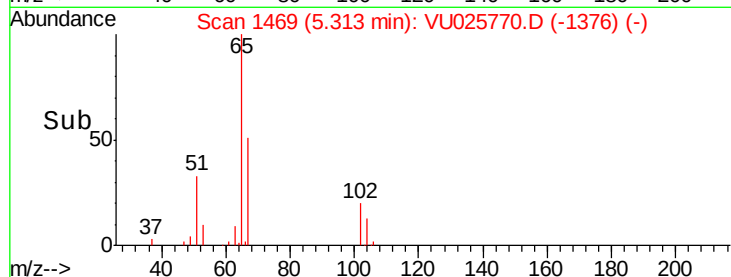
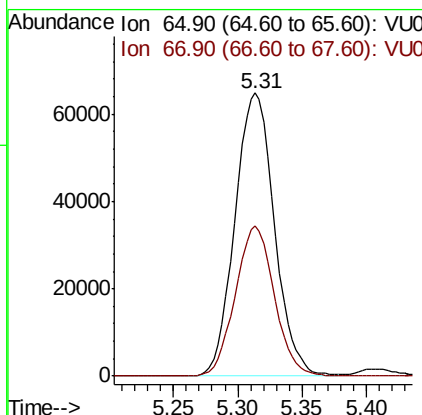
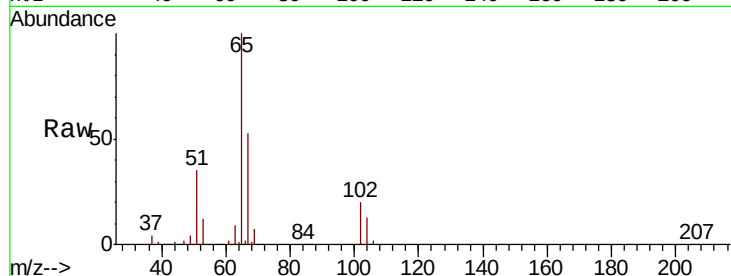




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

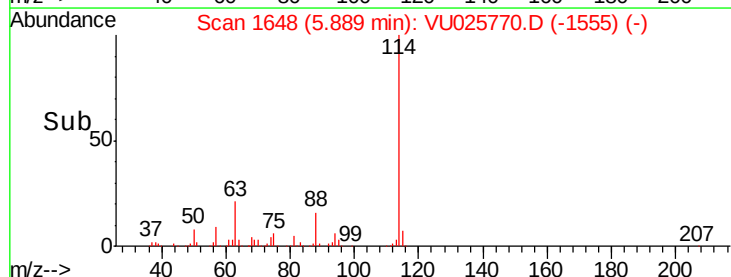
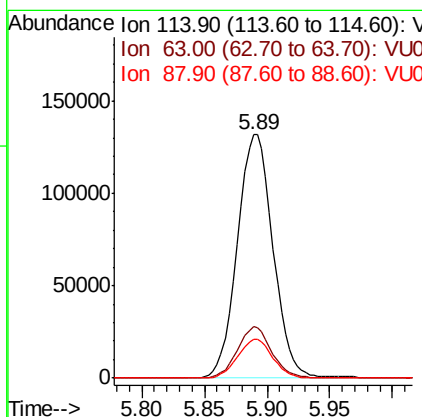
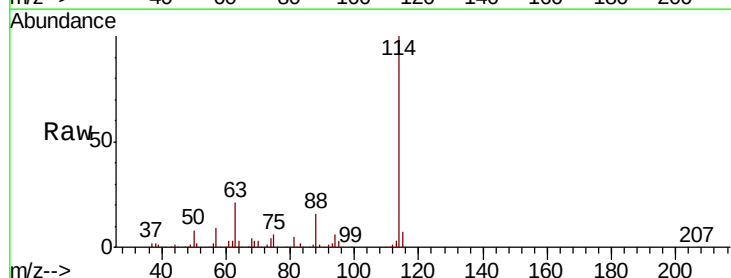
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

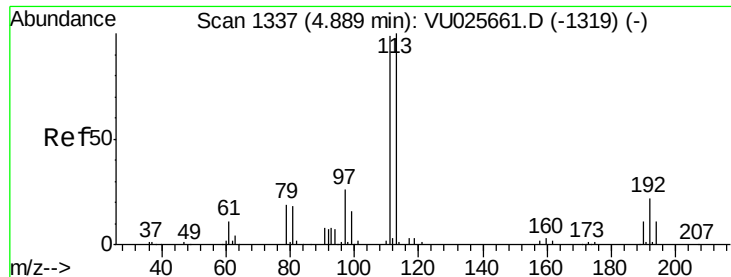
Tot Ion: 65 Resp: 138128
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#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

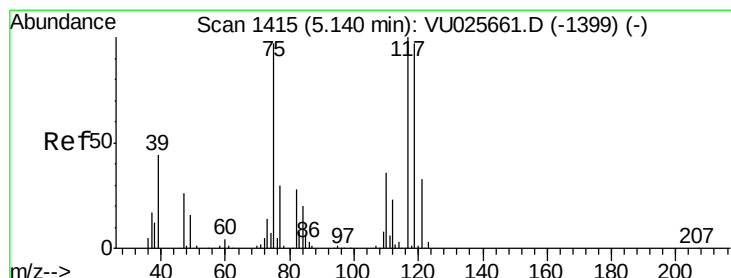
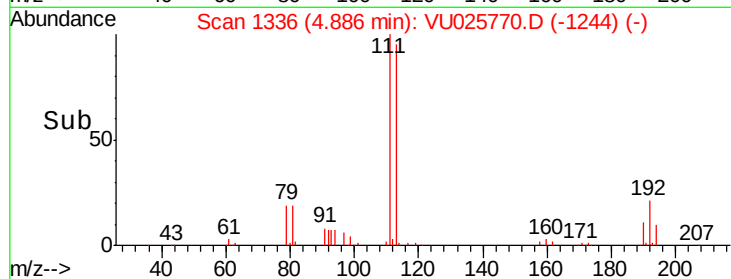
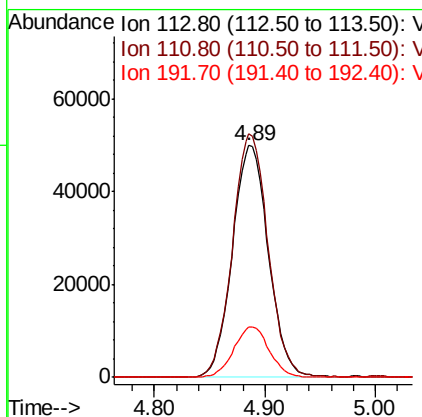
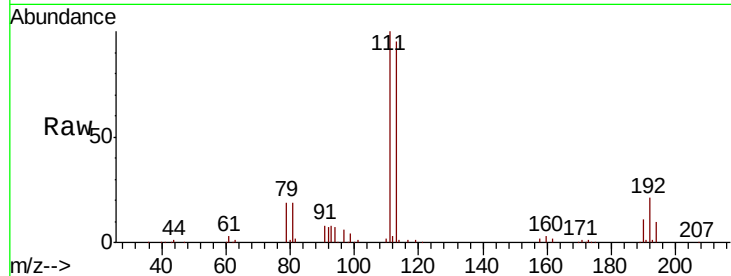




#35
 Dibromofluoromethane
 Concen: 50.01 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

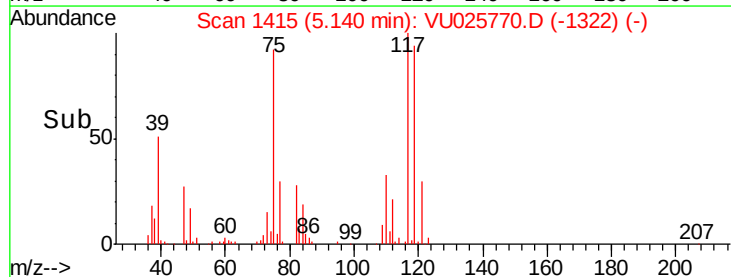
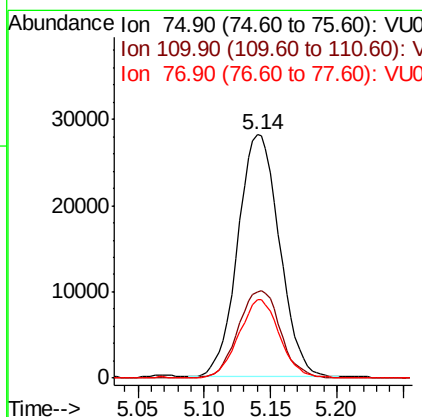
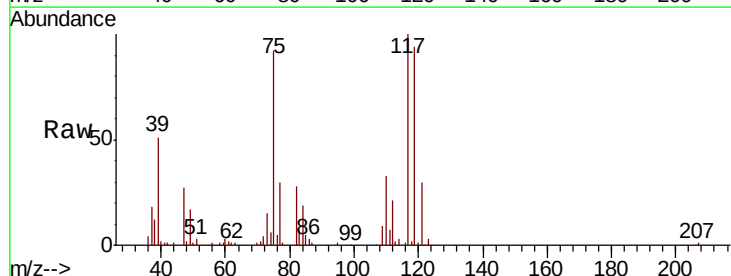
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

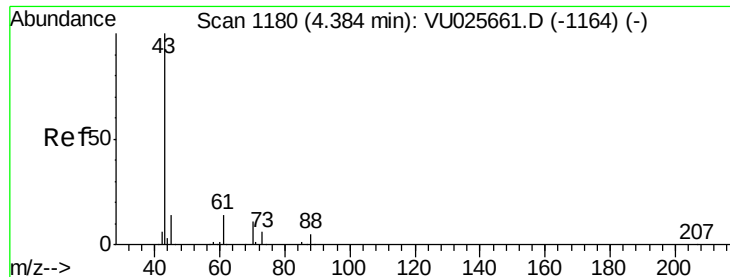
Tot Ion:113 Resp: 113211
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.7 122.5
 192 21.4 17.1 25.7



#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: 75 Resp: 61465
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.6 52.9
 77 31.9 24.4 36.6

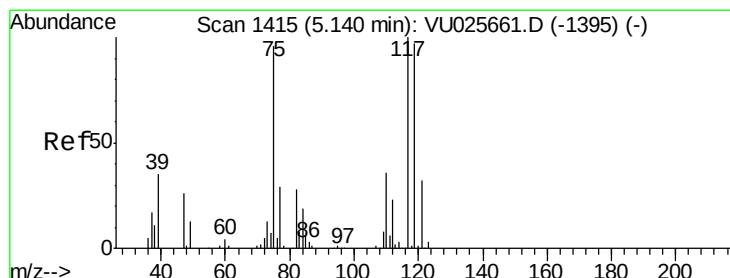
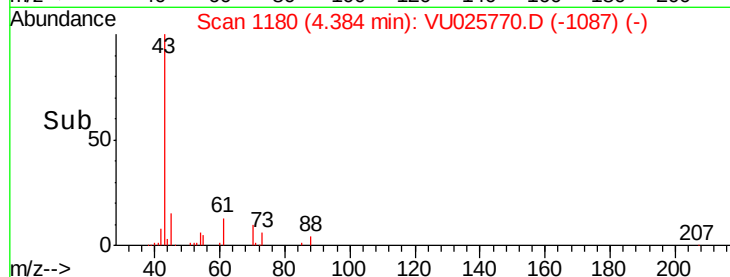
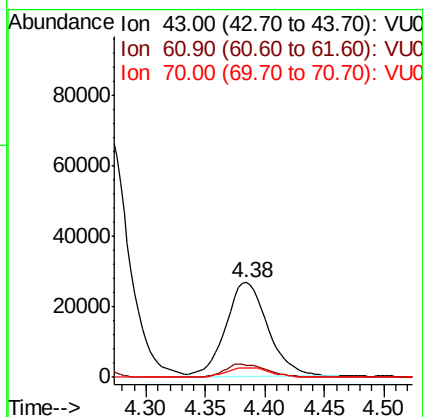
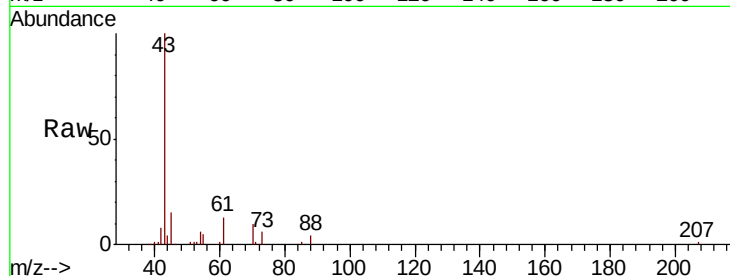




#37
Ethyl Acetate
Concen: 20.76 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

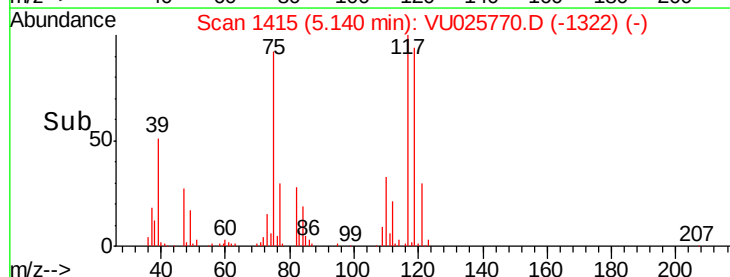
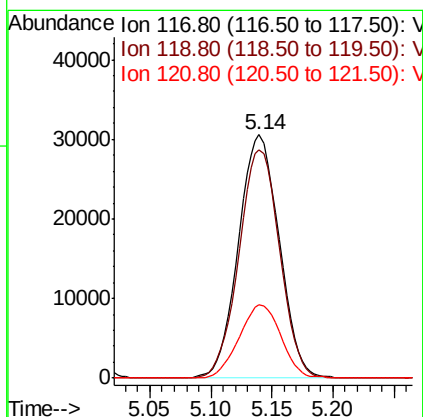
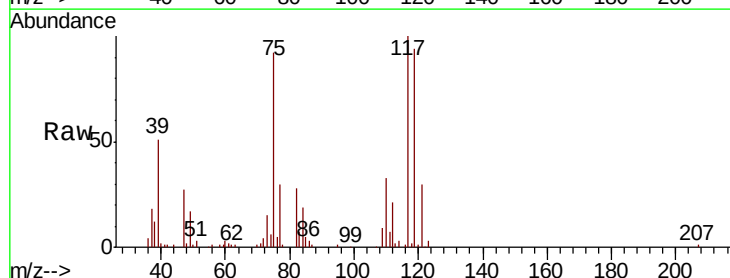
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

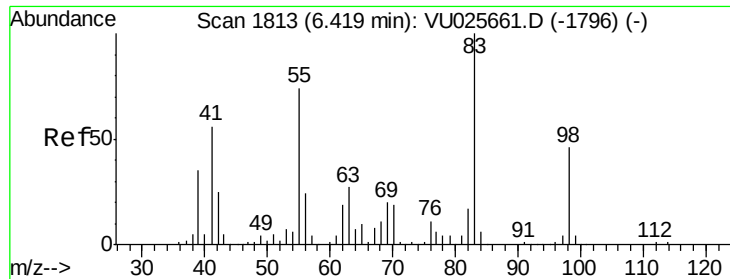
Tot Ion: 43 Resp: 65487
Ion Ratio Lower Upper
43 100
61 14.6 10.7 16.1
70 10.6 8.4 12.6



#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

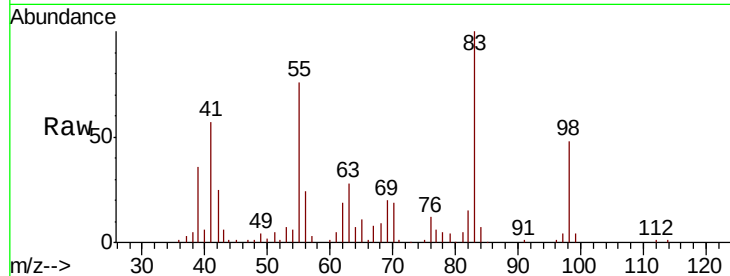




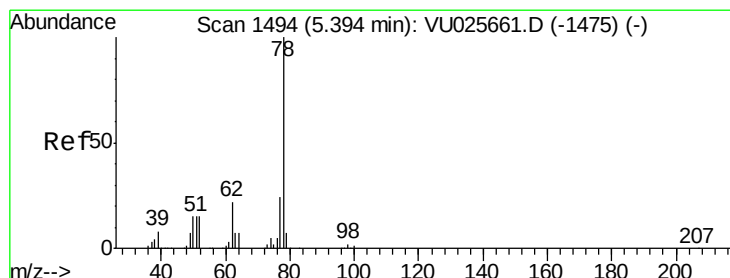
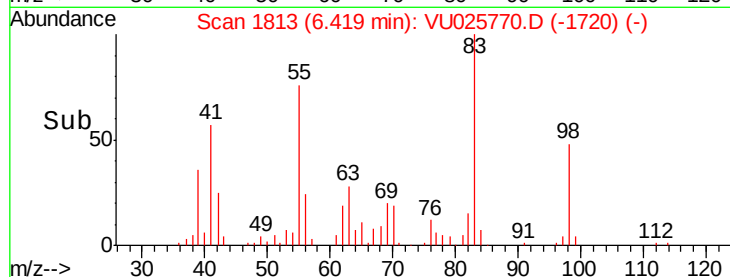
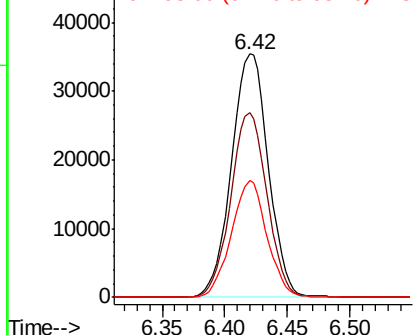
#39
Methylvlcyclohexane
Concen: 20.77 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

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

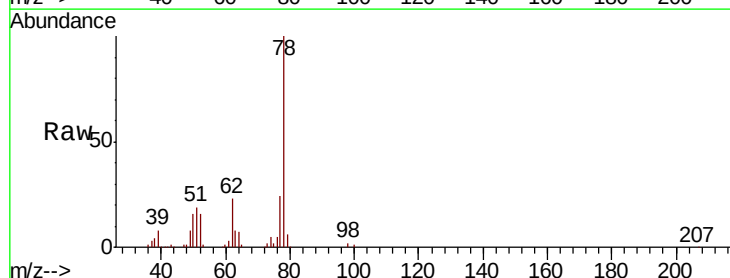


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

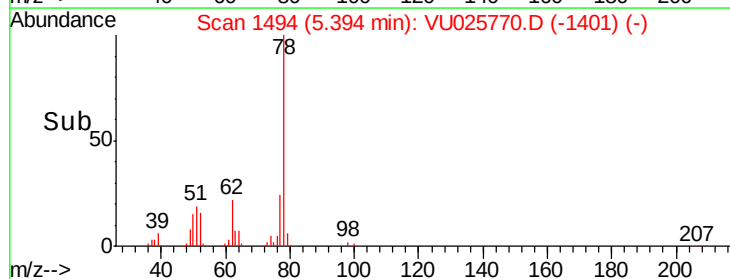
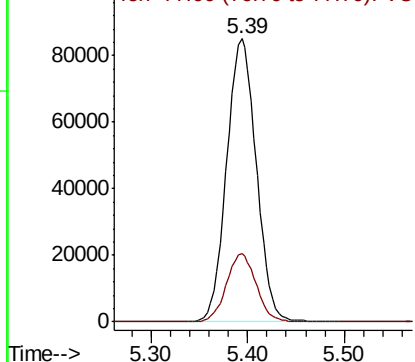


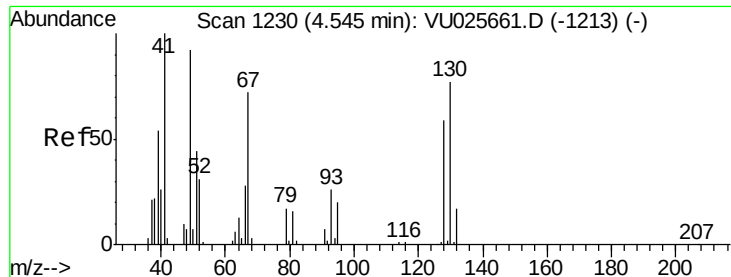
#40
Benzene
Concen: 20.40 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

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

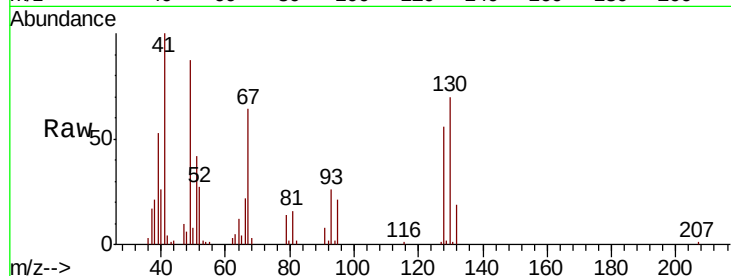




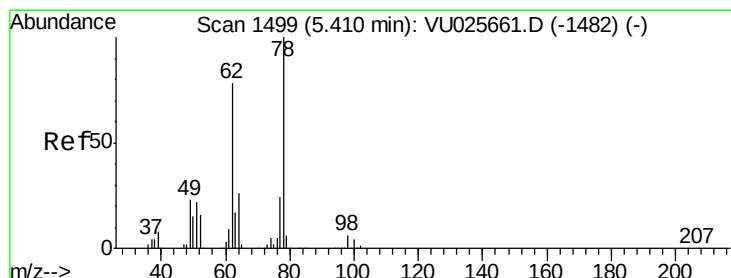
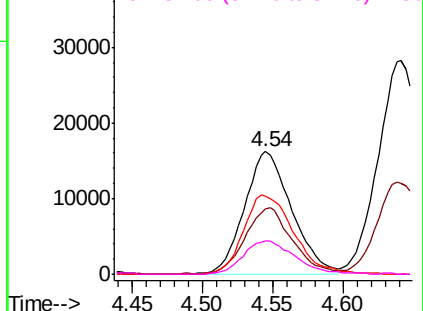
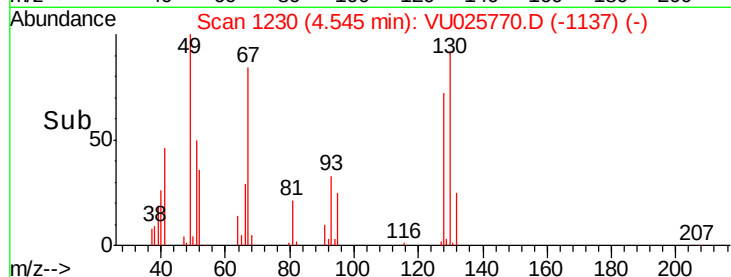
#41
Methacrylonitrile
Concen: 21.70 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

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

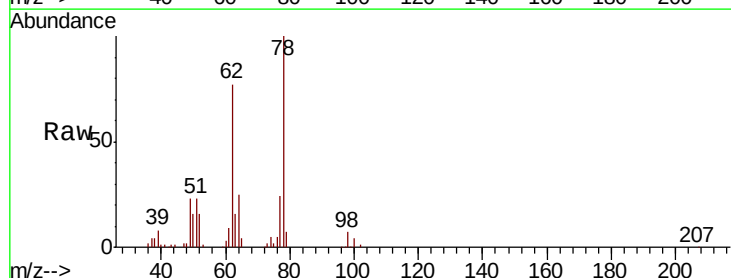


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

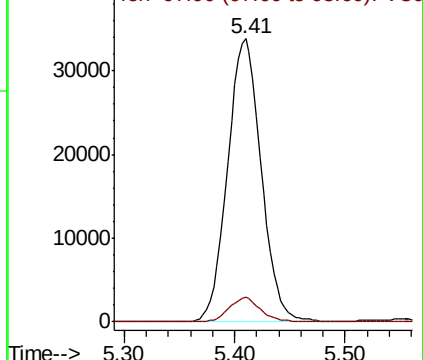
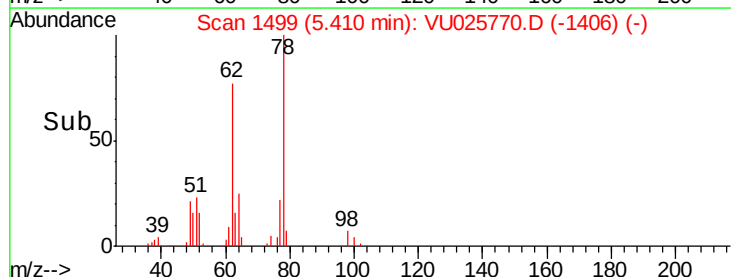


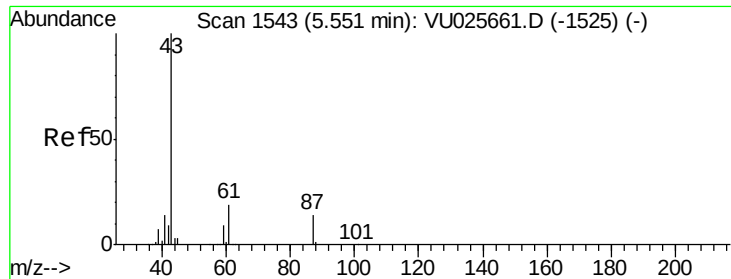
#42
1,2-Dichloroethane
Concen: 20.89 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

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 :

VU0801MBSD02

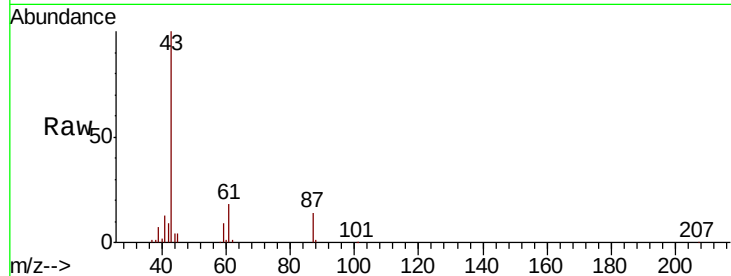
Tot Ion: 43 Resp: 107721

Ion Ratio Lower Upper

43 100

61 19.6 15.5 23.3

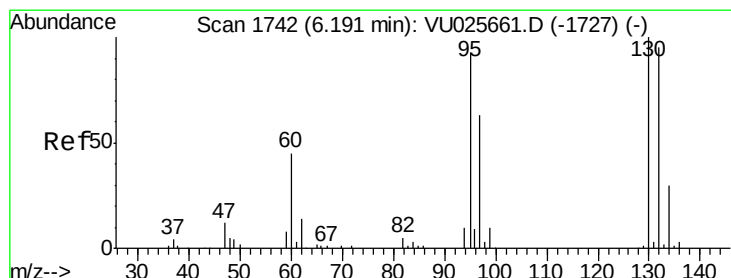
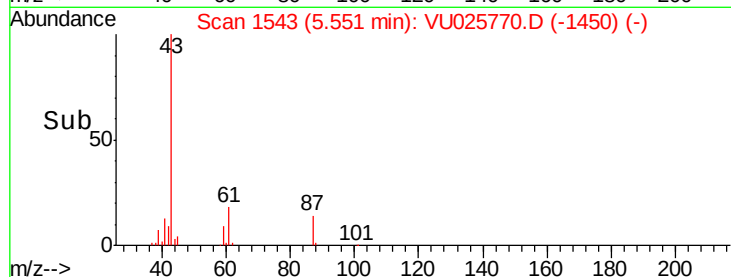
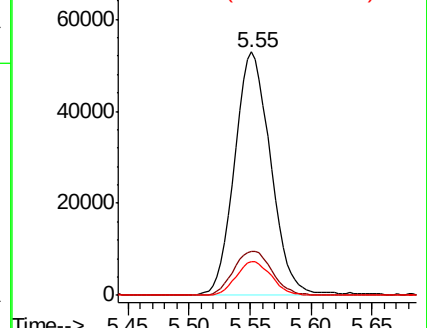
87 13.8 10.6 16.0



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

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): 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

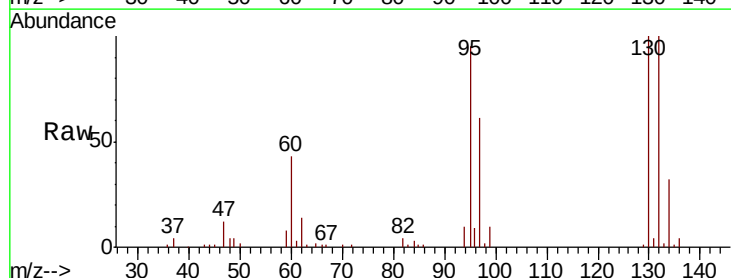
Acq: 01 Aug 2018 12:30

Tgt Ion: 130 Resp: 50955

Ion Ratio Lower Upper

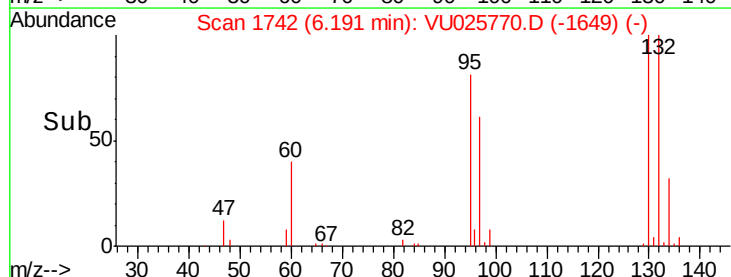
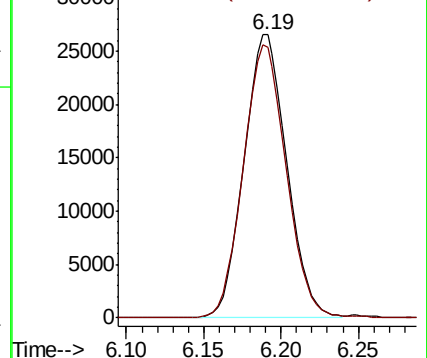
130 100

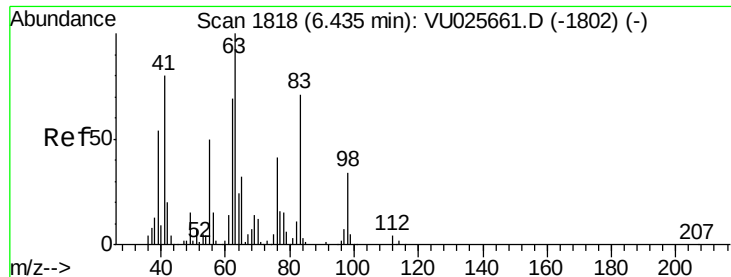
95 95.8 0.0 192.2



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

Ion 94.90 (94.60 to 95.60): 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 :

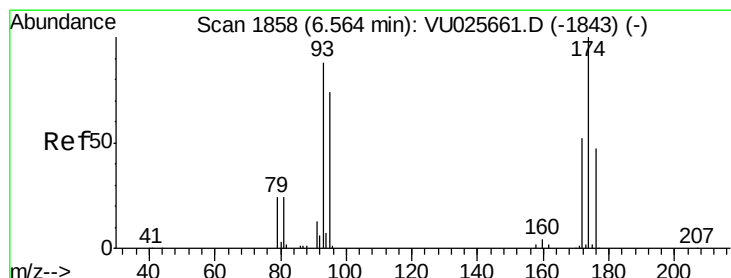
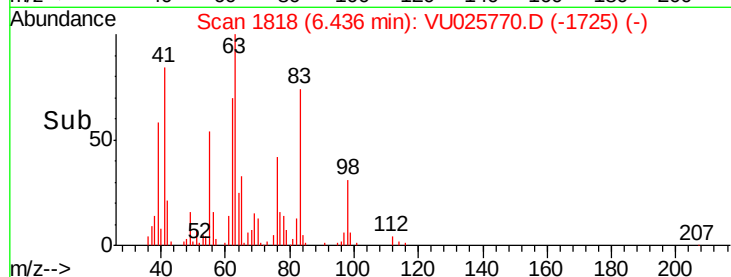
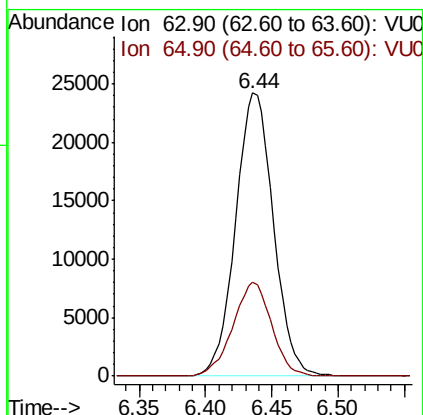
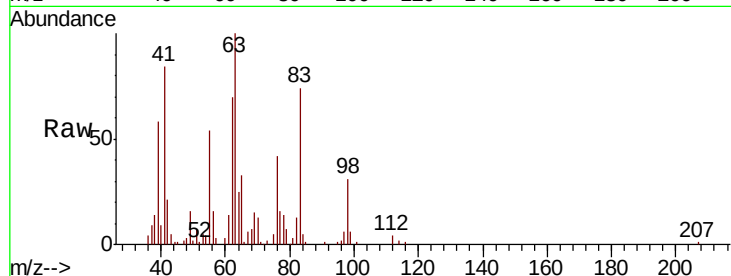
VU0801MBSD02

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

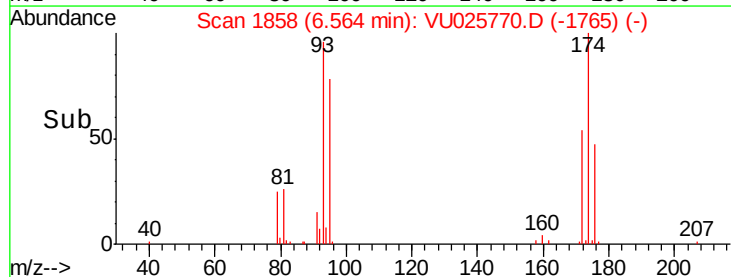
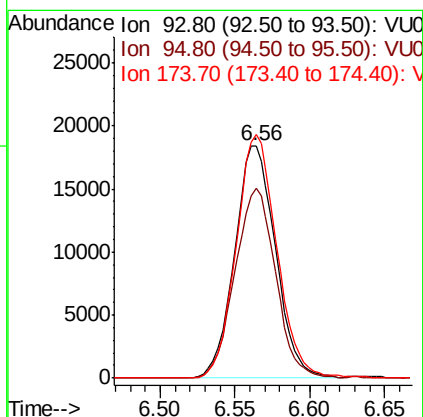
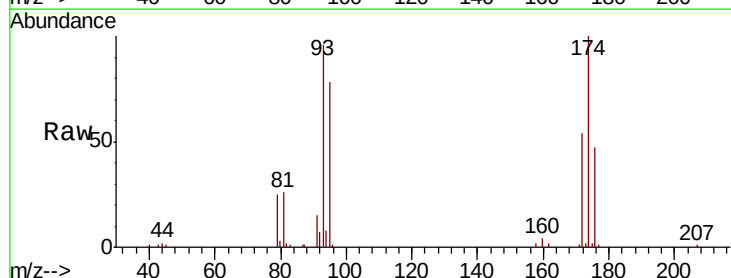
Tgt Ion: 93 Resp: 34996

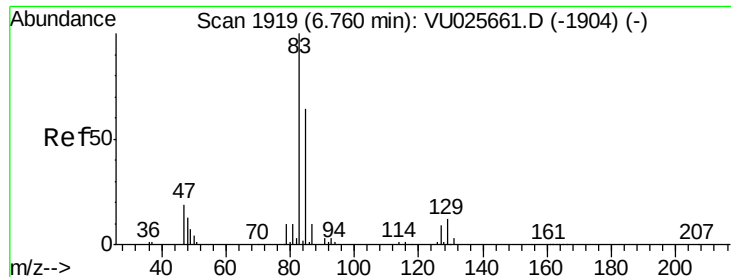
Ion Ratio Lower Upper

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

ClientSampleId :

VU0801MBS02

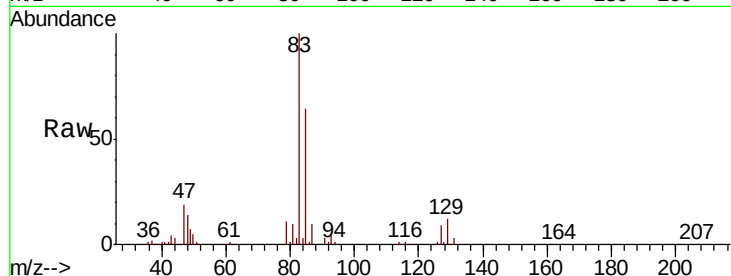
Tot Ion: 83 Resp: 66536

Ion Ratio Lower Upper

83 100

85 64.3 50.2 75.4

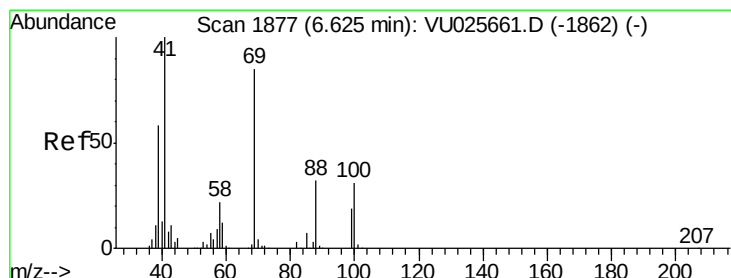
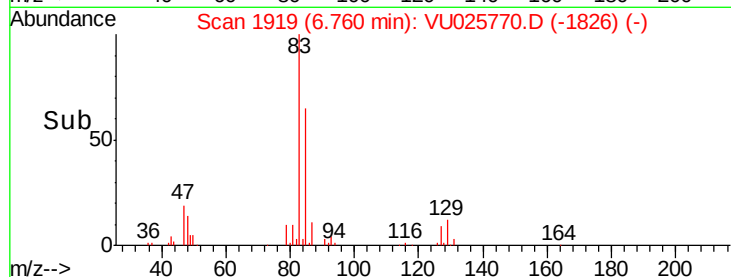
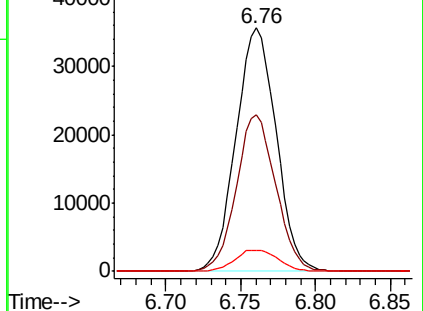
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-1904) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-1904) (-)

Ion 126.80 (126.50 to 127.50): VU025661.D (-1904) (-)



#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

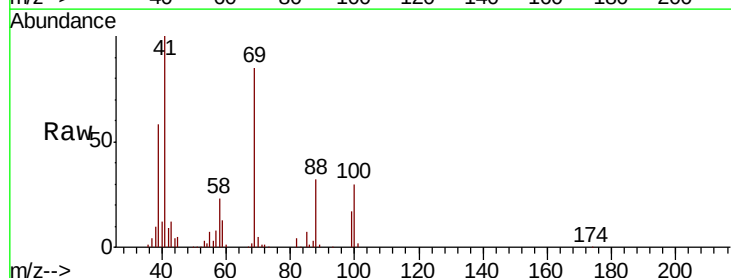
Tgt Ion: 41 Resp: 54277

Ion Ratio Lower Upper

41 100

69 85.3 65.0 97.4

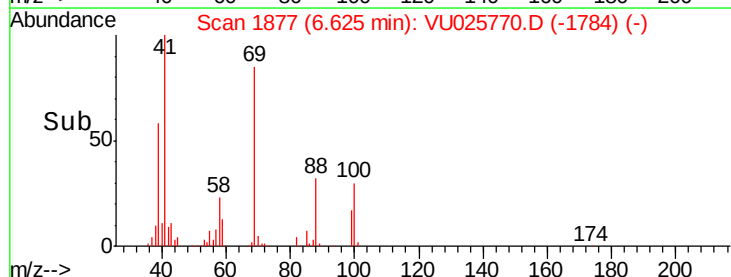
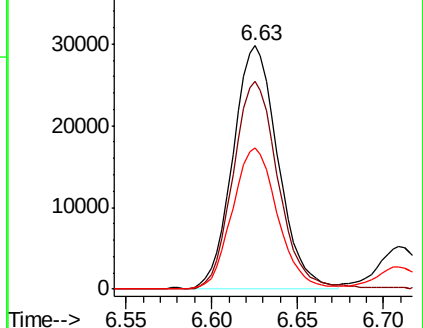
39 58.1 46.4 69.6

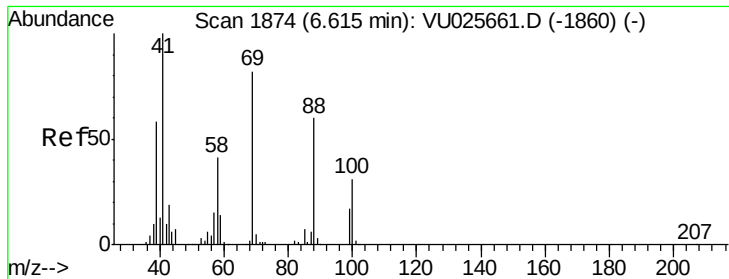


Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-1862) (-)

Ion 69.00 (68.70 to 69.70): VU025661.D (-1862) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-1862) (-)

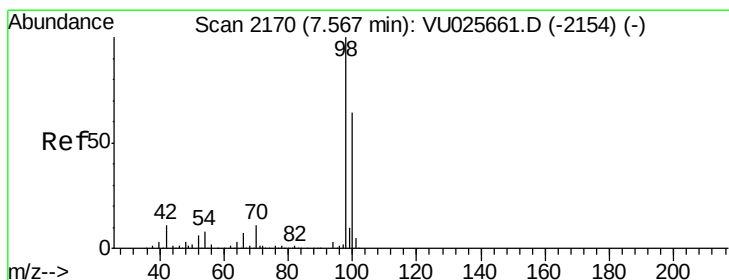
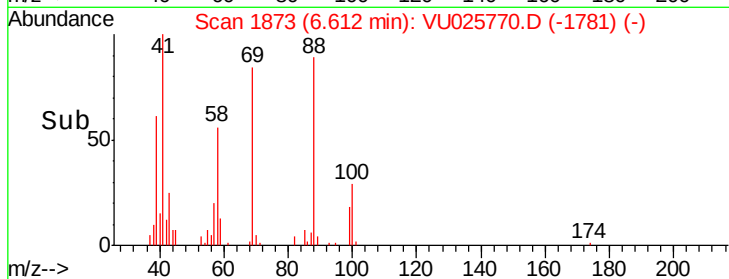
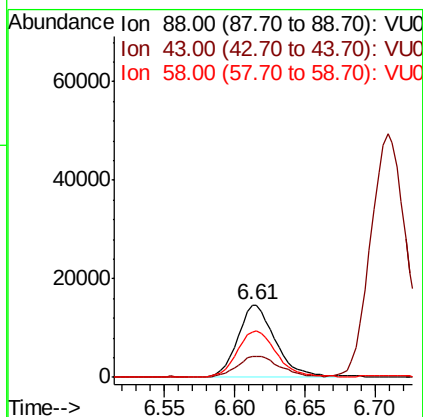
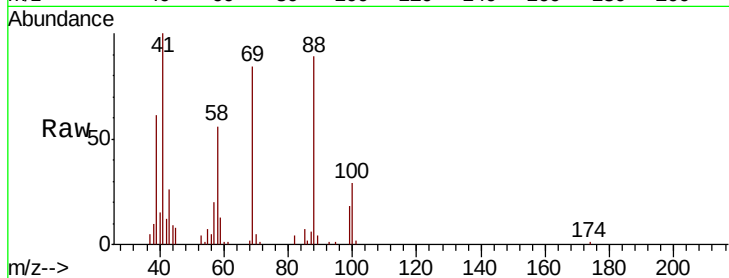




#49
1,4-Dioxane
Concen: 442.16 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

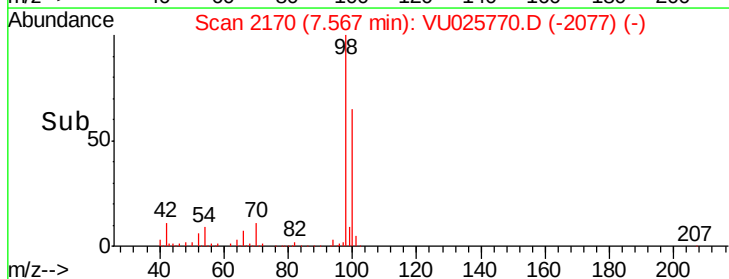
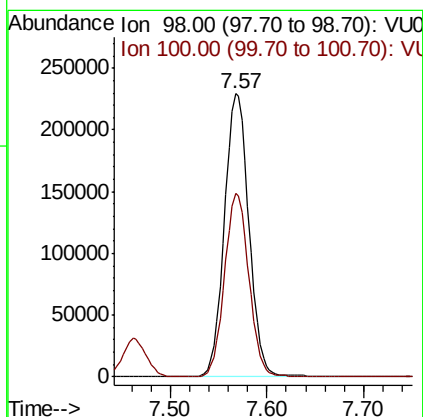
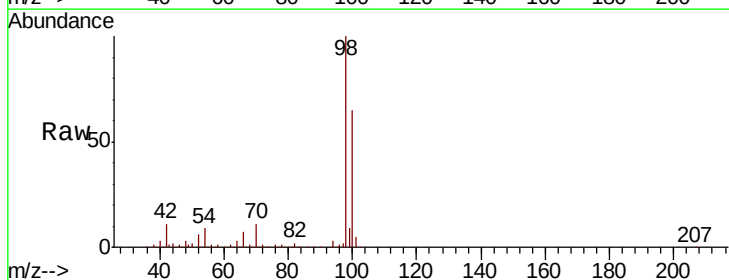
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

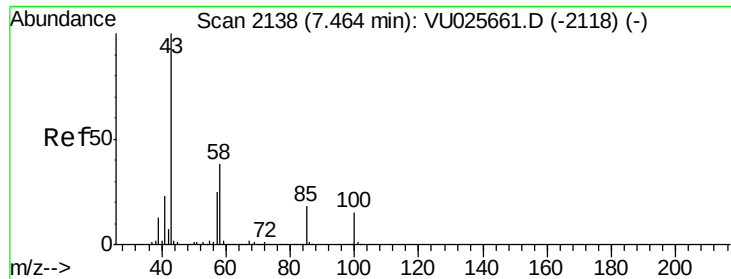
Tot Ion: 88 Resp: 27487
Ion Ratio Lower Upper
88 100
43 30.9 27.3 40.9
58 67.7 57.6 86.4



#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

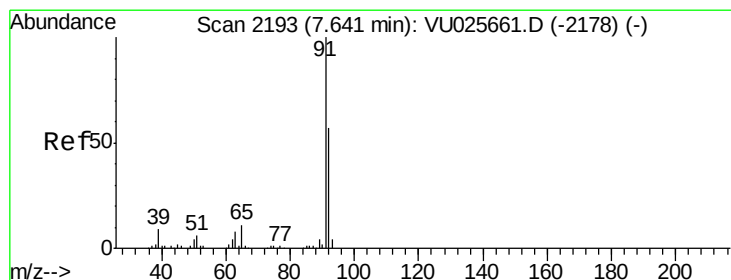
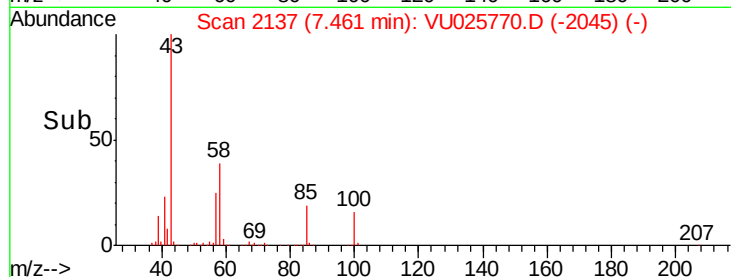
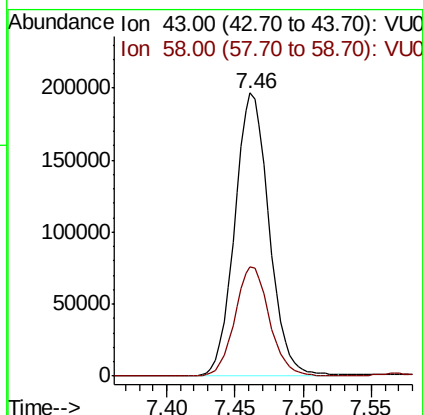
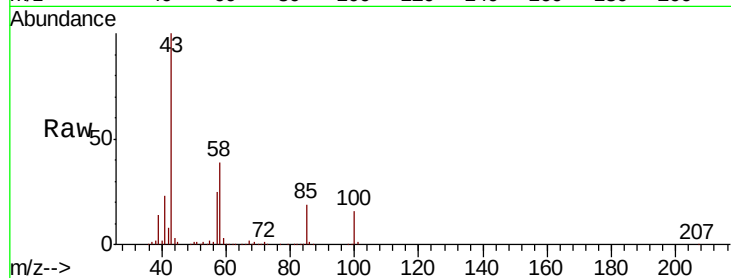




#51
 4-Methyl-2-Pentanone
 Concen: 105.46 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

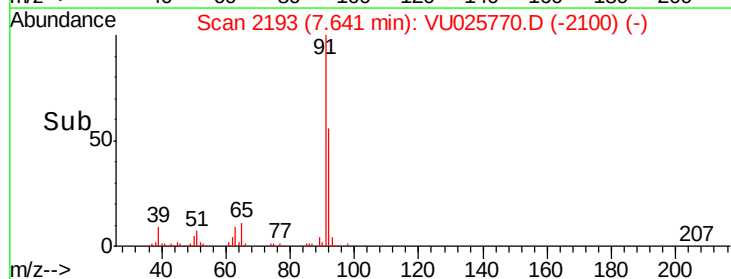
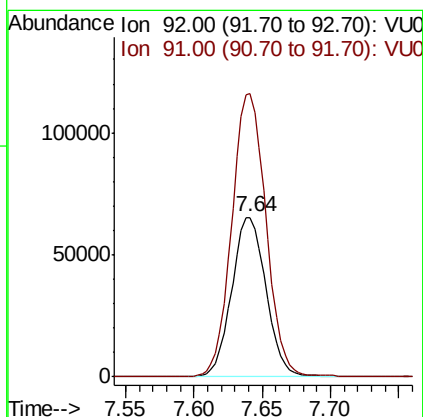
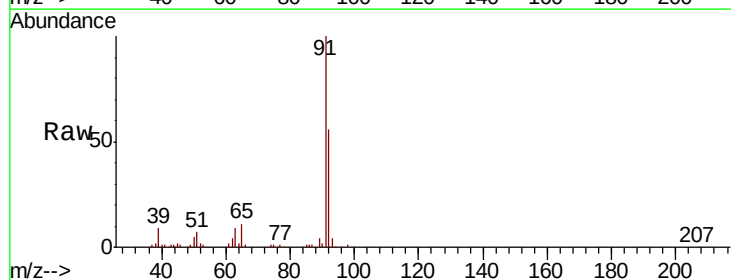
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

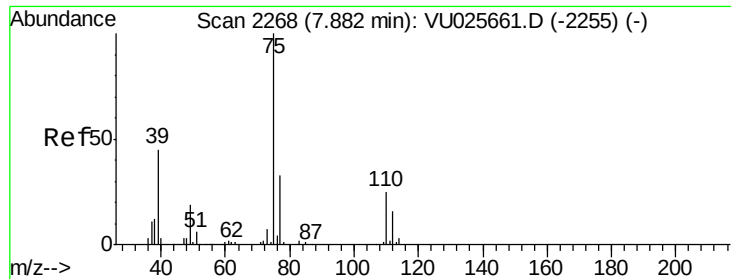
Tot Ion: 43 Resp: 344143
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4



#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





#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

ClientSampleId :

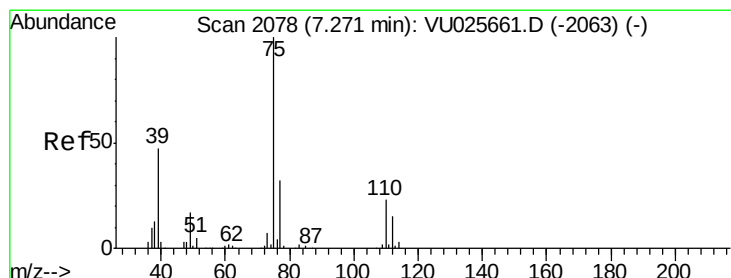
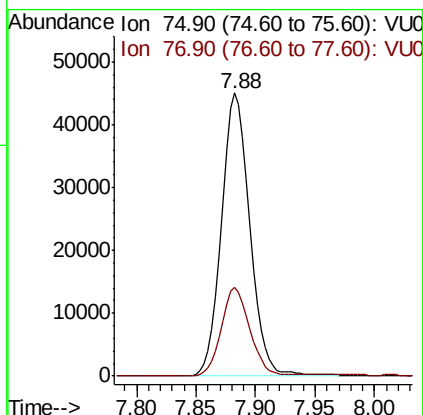
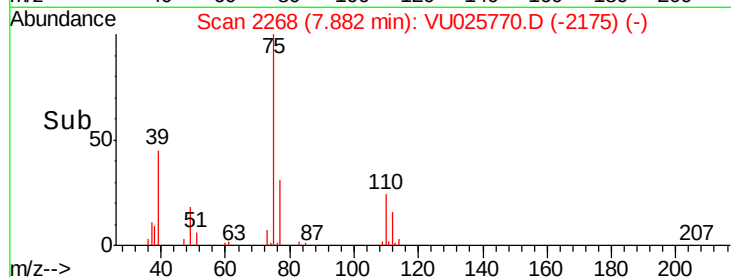
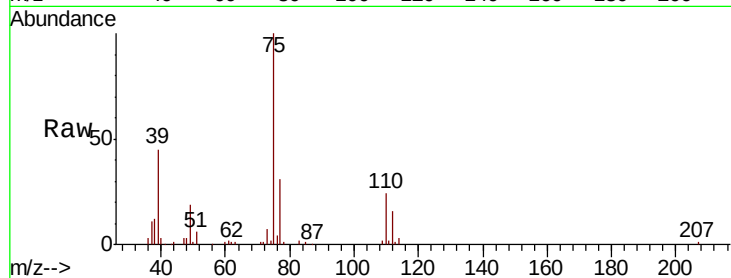
VU0801MBS02

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

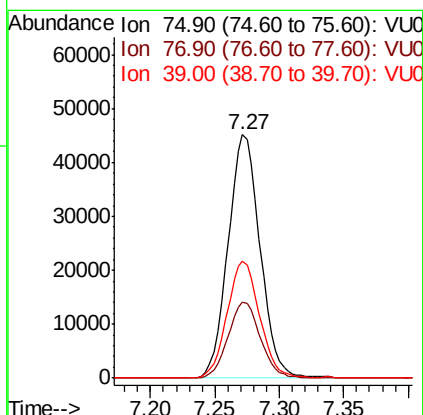
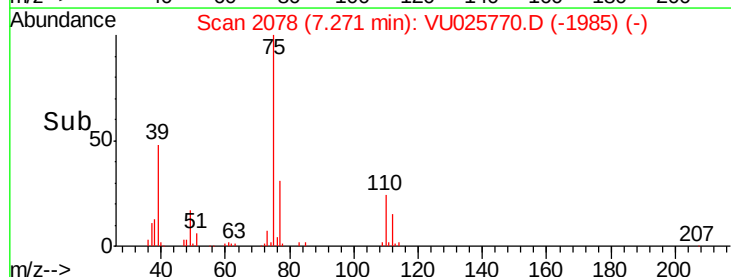
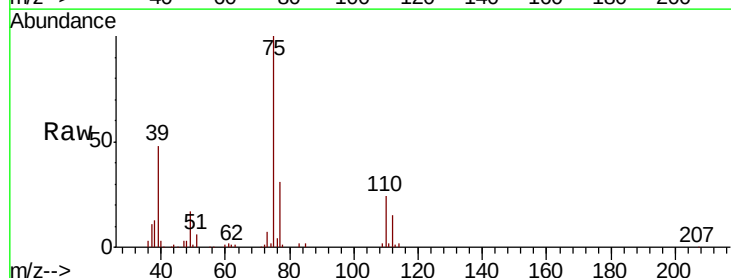
Tgt Ion: 75 Resp: 77766

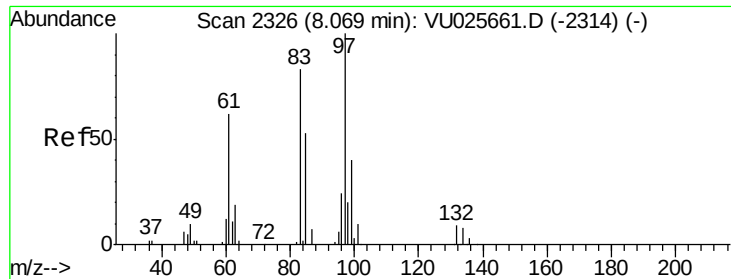
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 47.8 40.0 60.0

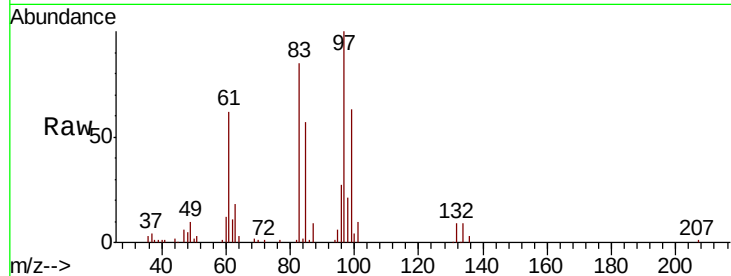




#55
 1,1,2-Trichloroethane
 Concen: 20.67 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

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



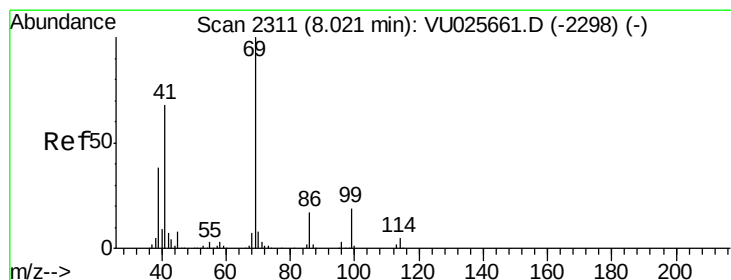
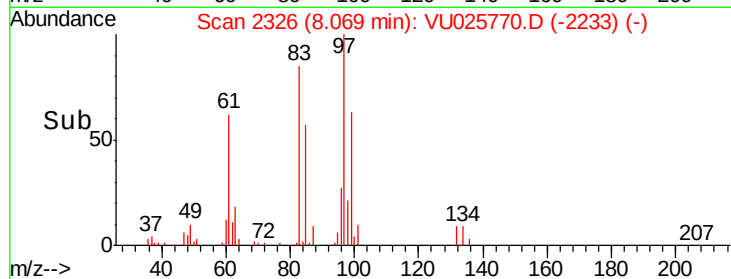
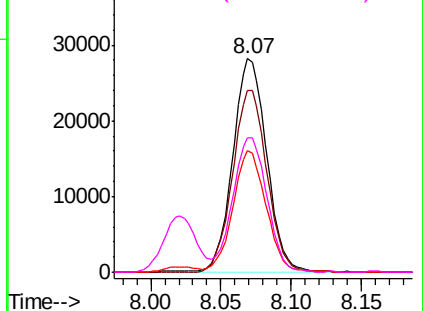
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

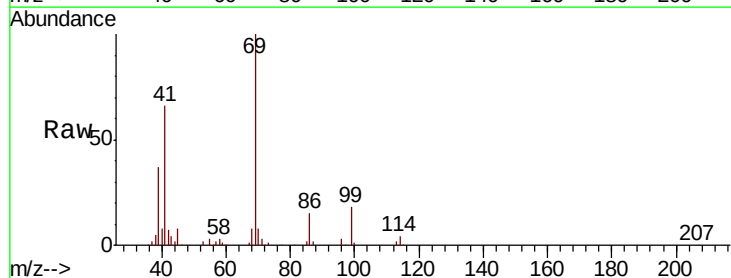
Ion 84.90 (84.60 to 85.60): VU0

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

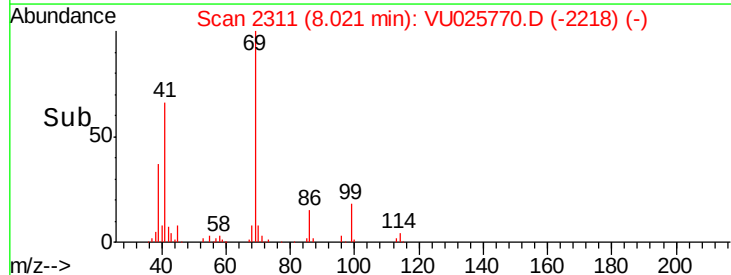
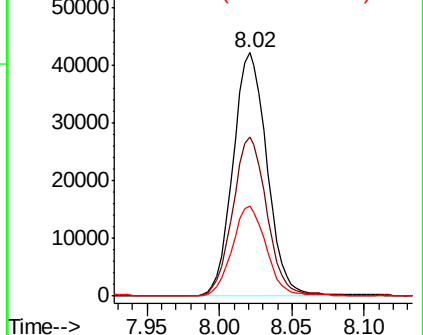


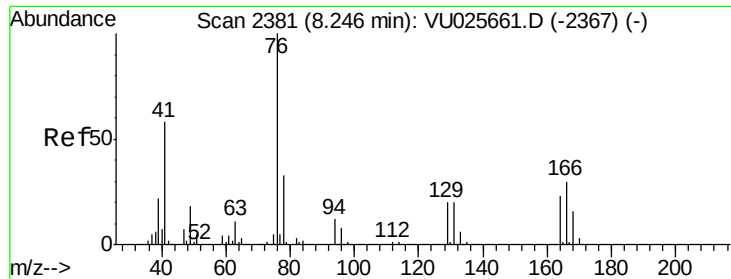
Abundance

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

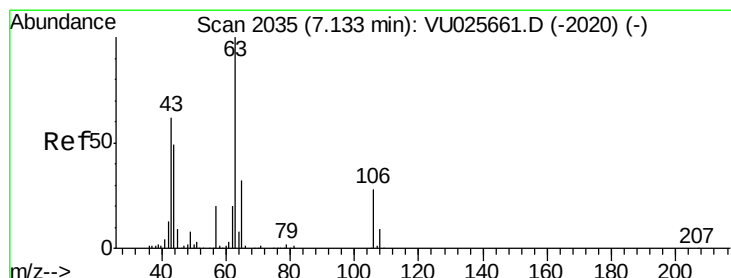
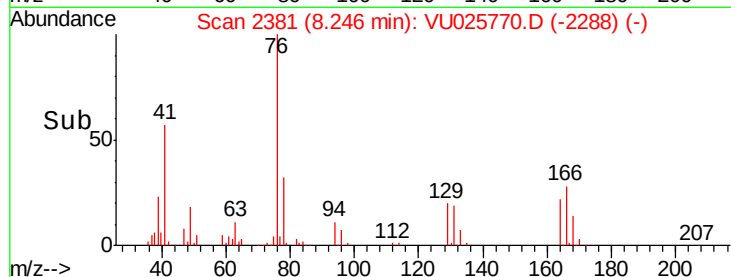
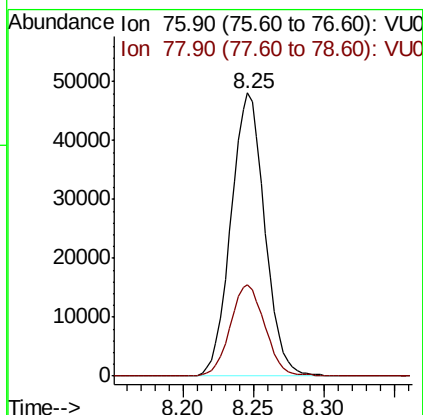
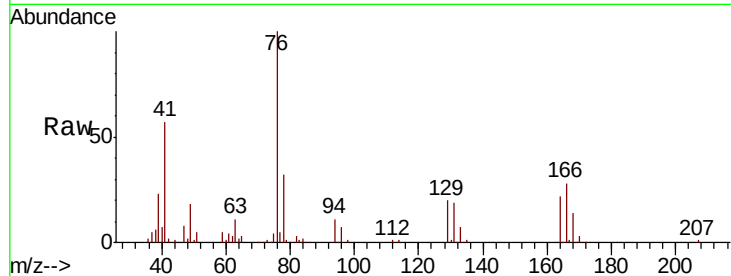




#57
 1,3-Dichloropropane
 Concen: 20.86 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

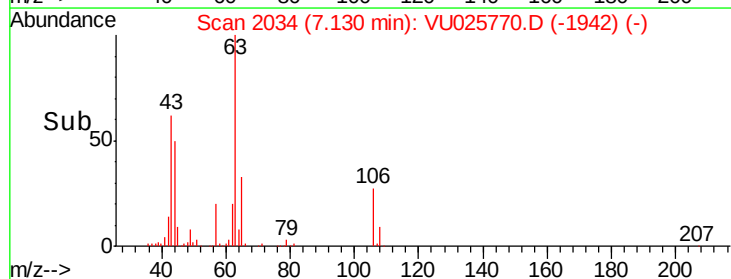
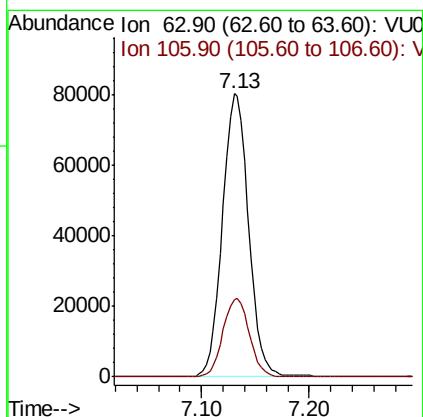
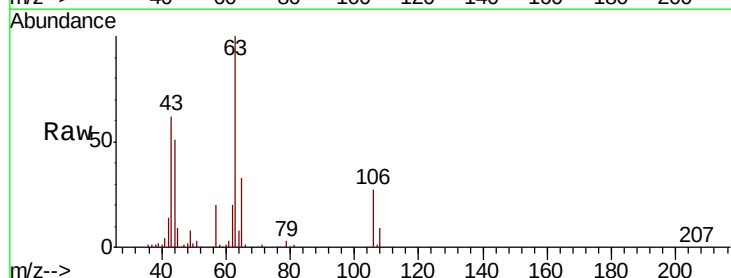
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

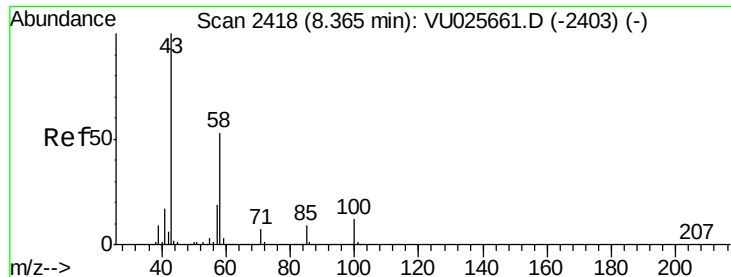
Tot Ion: 76 Resp: 80552
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#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

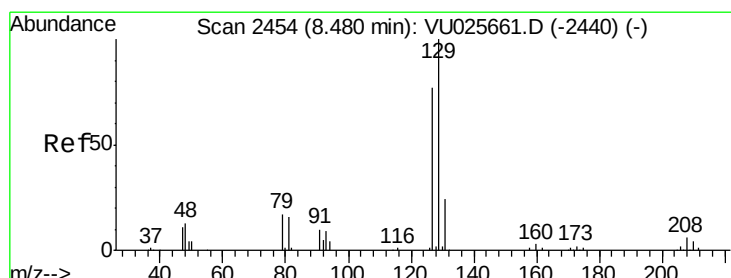
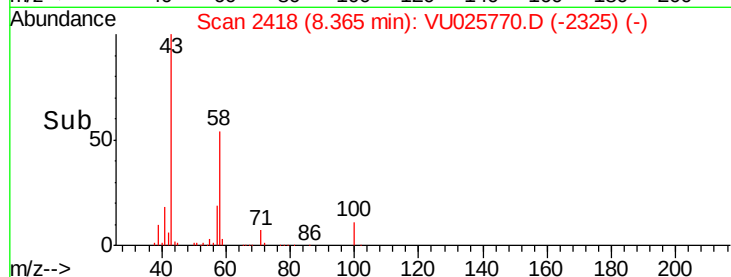
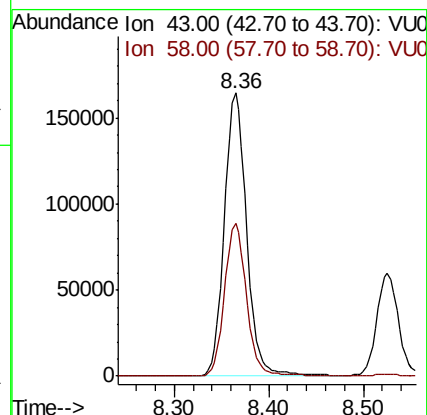
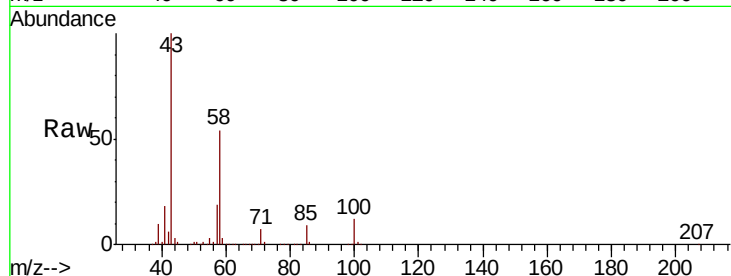




#59
2-Hexanone
Concen: 105.40 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

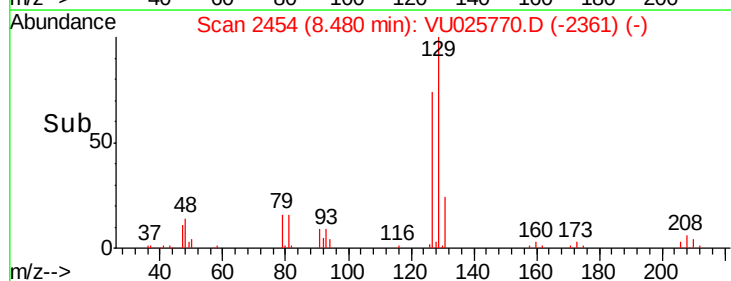
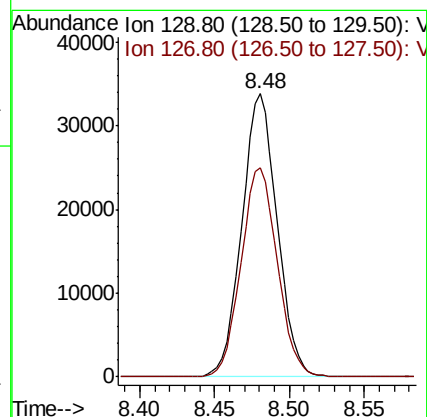
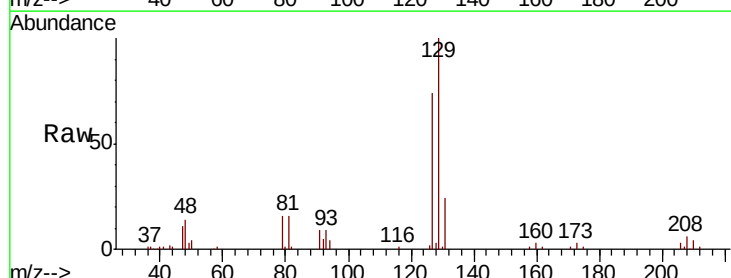
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

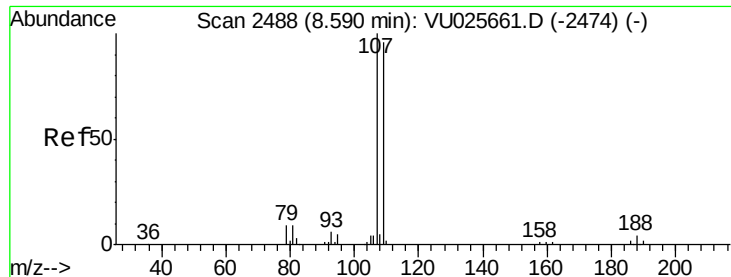
Tot Ion: 43 Resp: 269600
Ion Ratio Lower Upper
43 100
58 53.2 26.2 78.5



#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 :

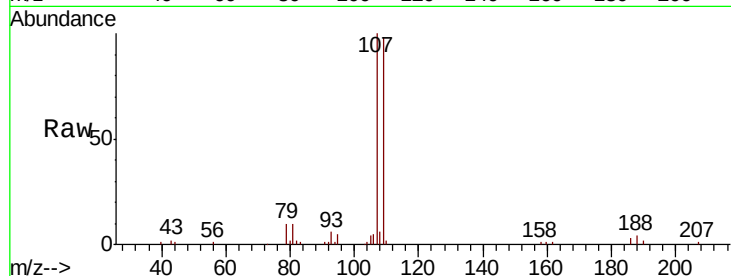
VU0801MBSD02

Tot Ion:107 Resp: 51535

Ion Ratio Lower Upper

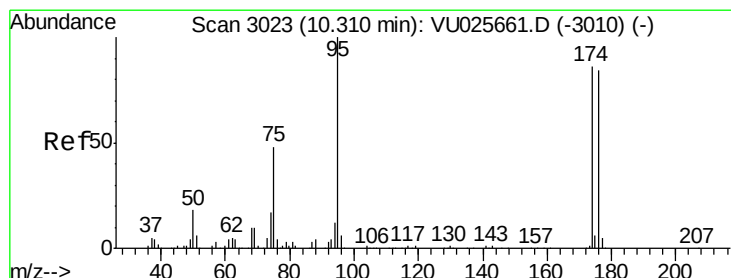
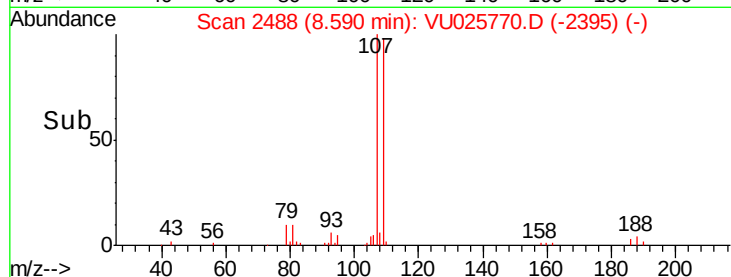
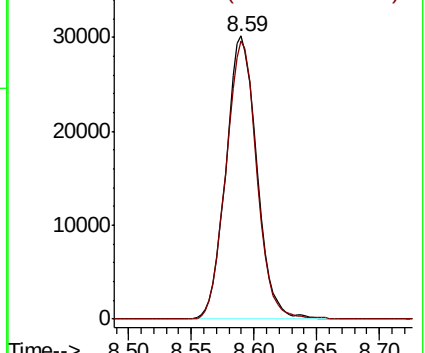
107 100

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

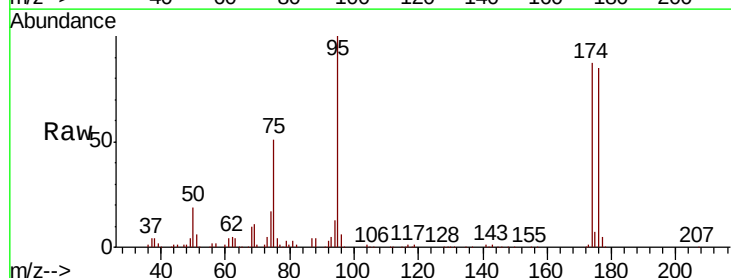
Tgt Ion: 95 Resp: 153044

Ion Ratio Lower Upper

95 100

174 88.4 0.0 172.2

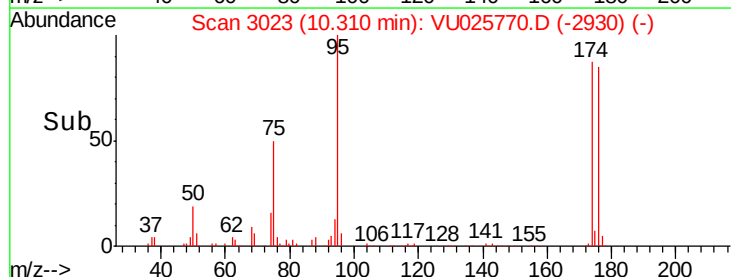
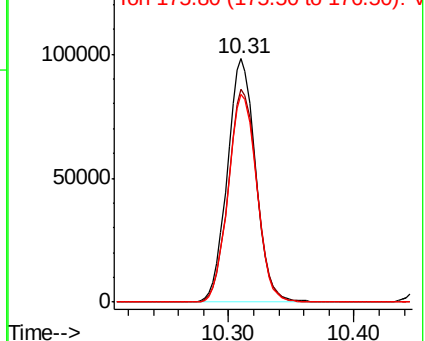
176 86.4 0.0 162.6

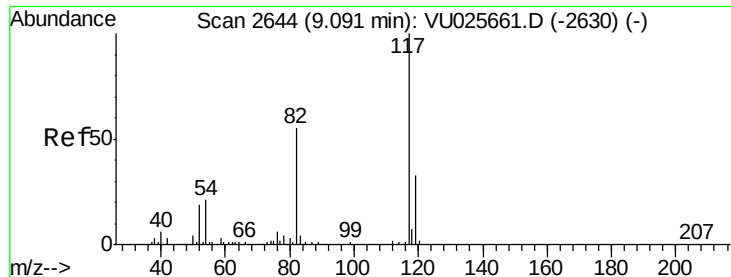


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

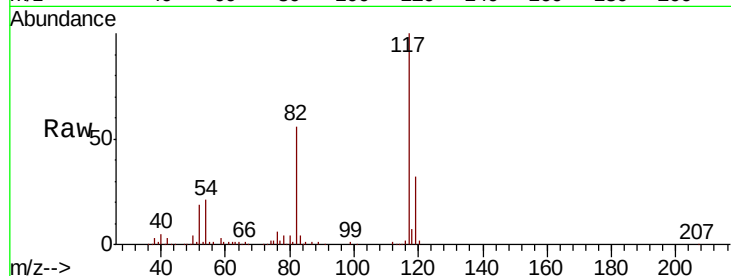




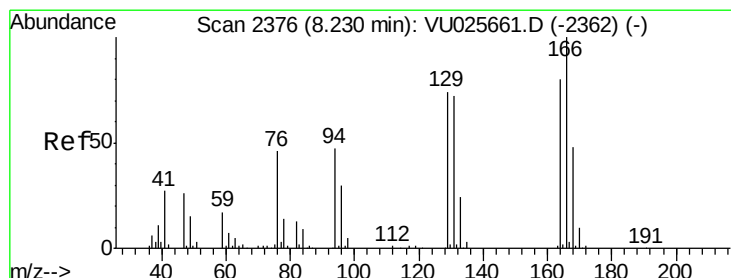
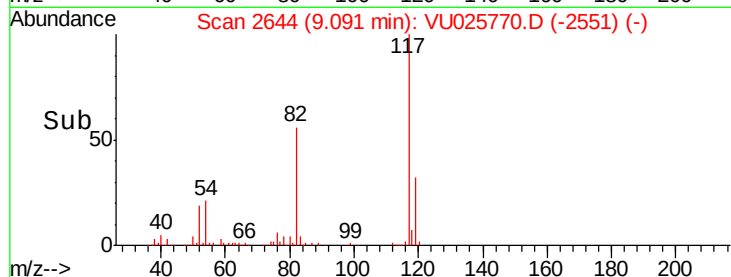
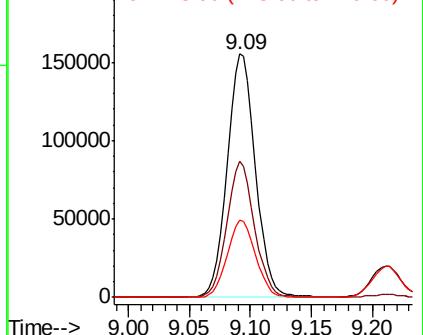
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

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

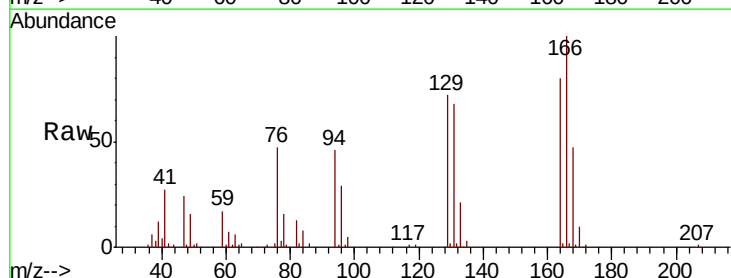


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

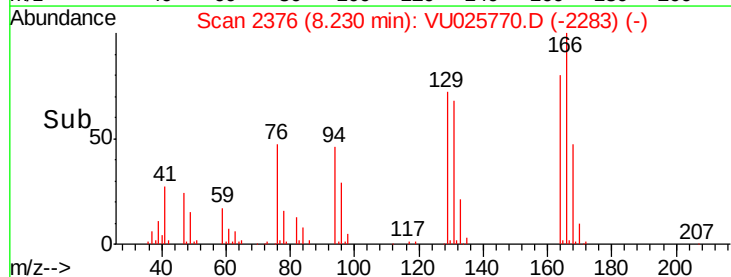
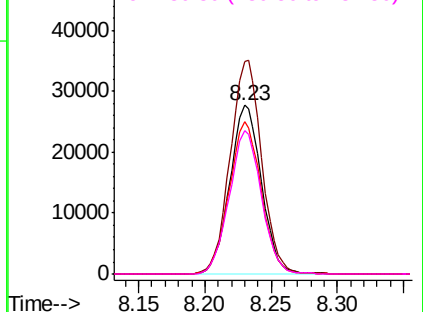


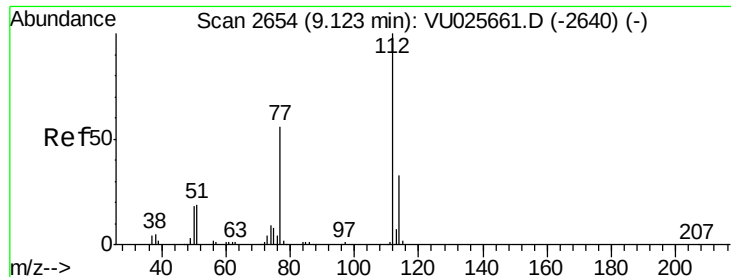
#64
Tetrachloroethene
Concen: 20.77 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

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

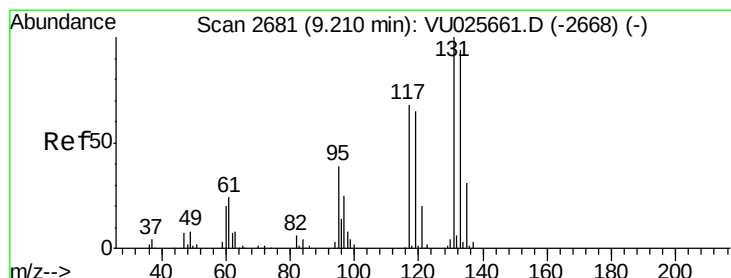
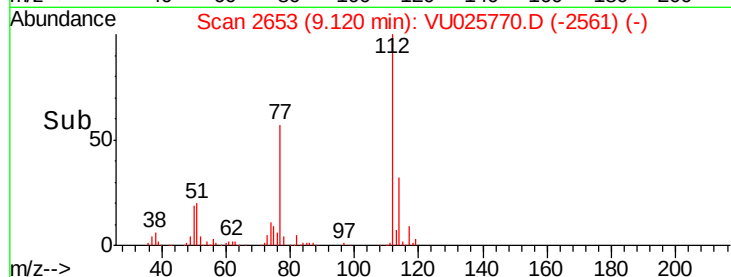
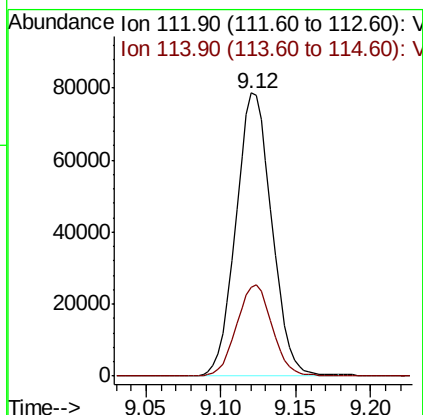
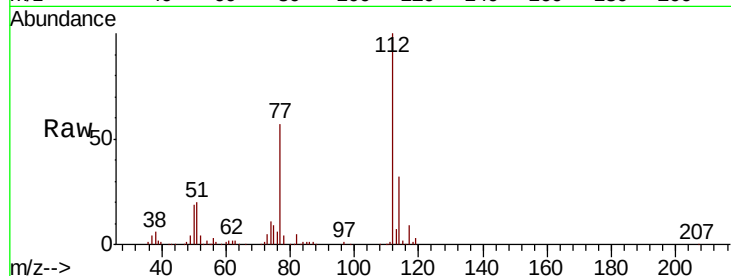




#65
Chlorobenzene
Concen: 20.25 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

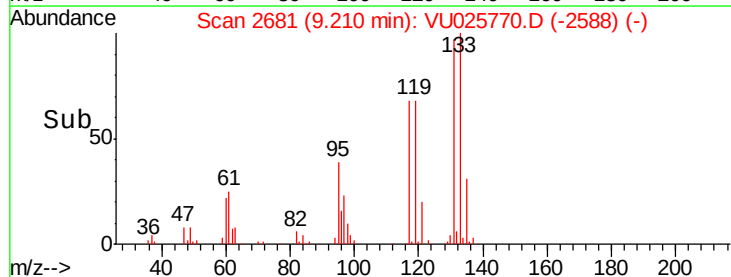
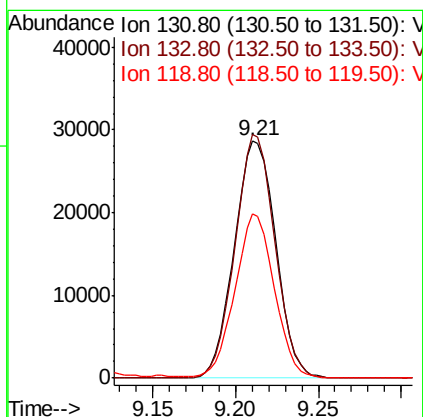
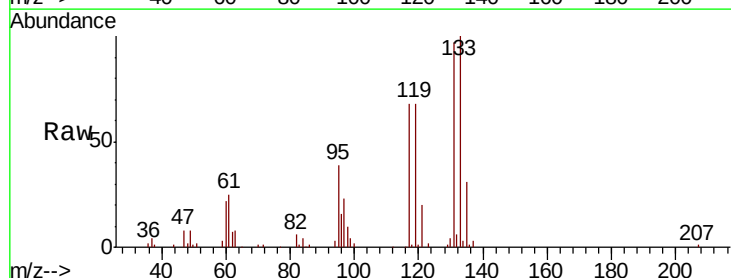
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

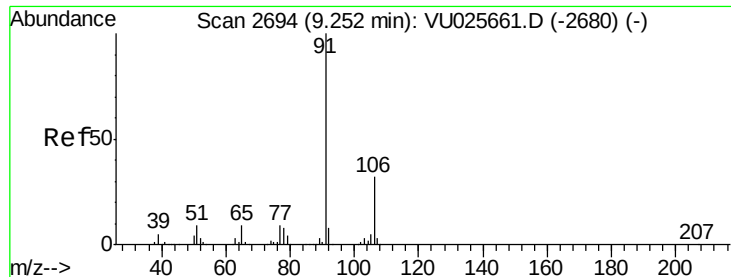
Tot Ion:112 Resp: 131279
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#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

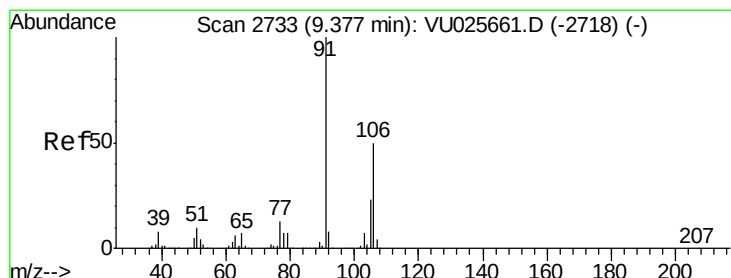
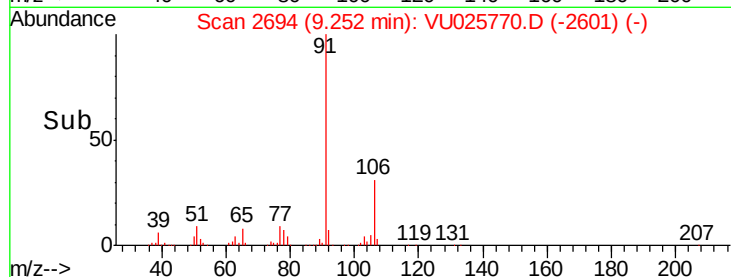
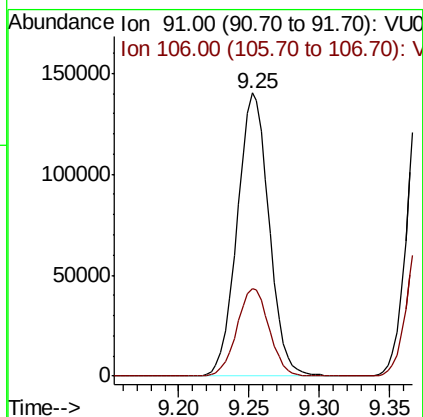
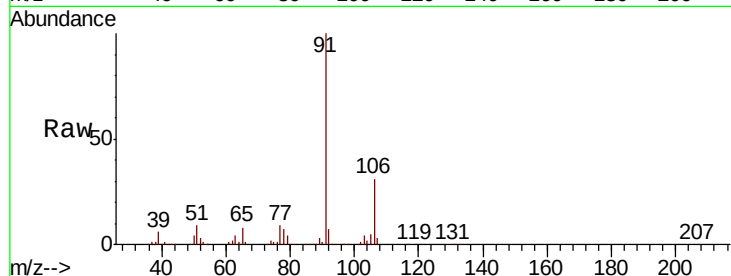




#67
Ethyl Benzene
Concen: 20.65 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

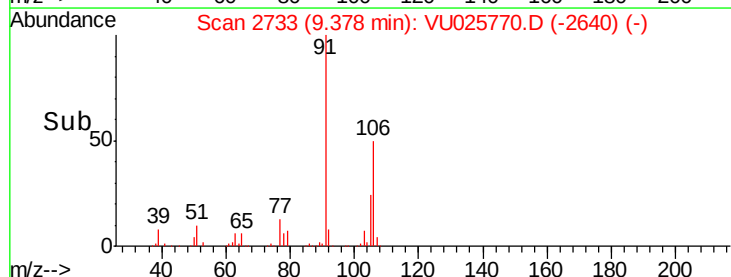
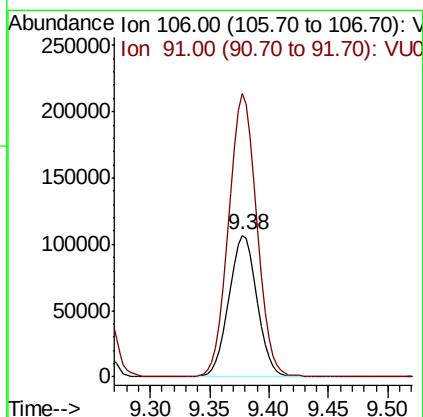
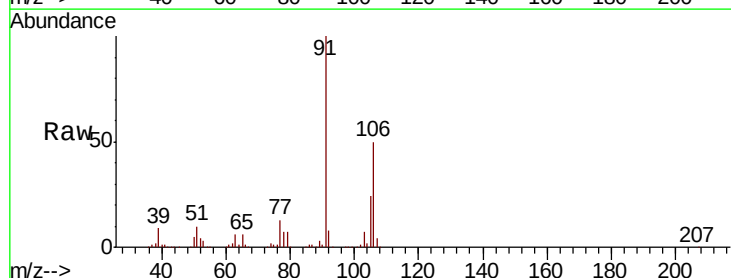
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

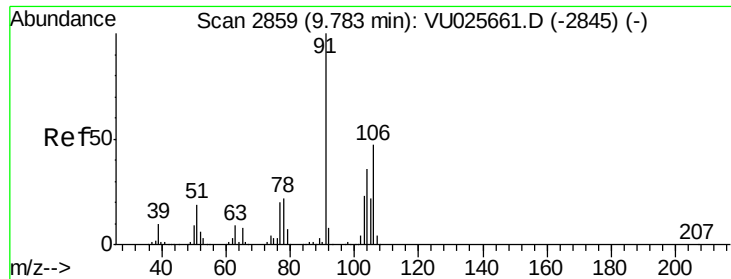
Tot Ion: 91 Resp: 221695
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9



#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

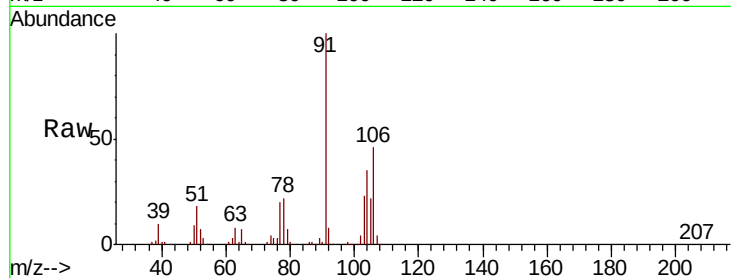




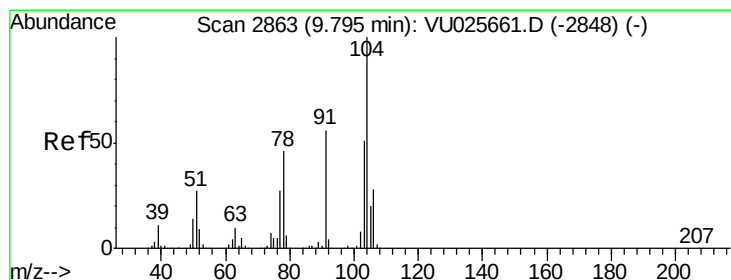
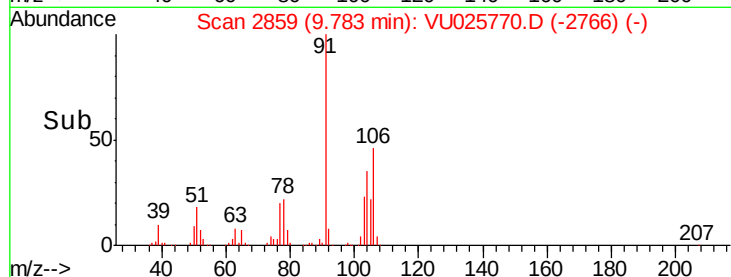
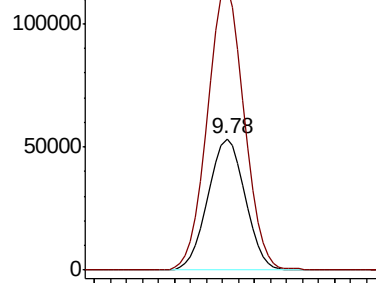
#69
o-Xylene
Concen: 20.91 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

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

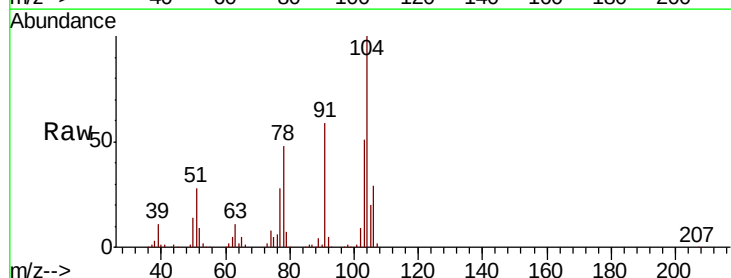


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

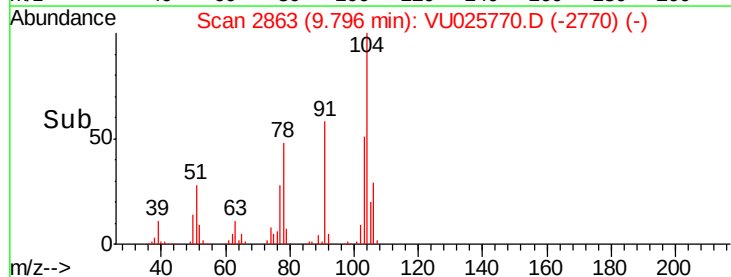
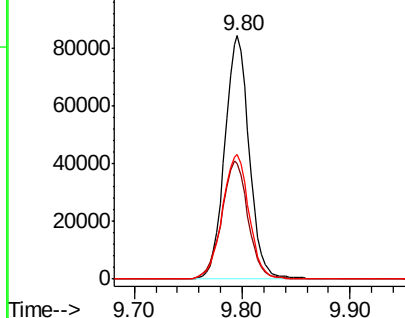


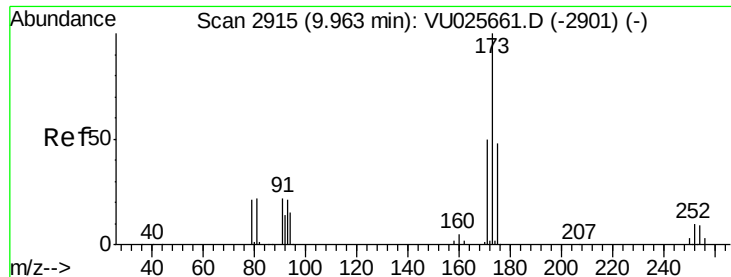
#70
Styrene
Concen: 20.52 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

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 :

VU0801MBSD02

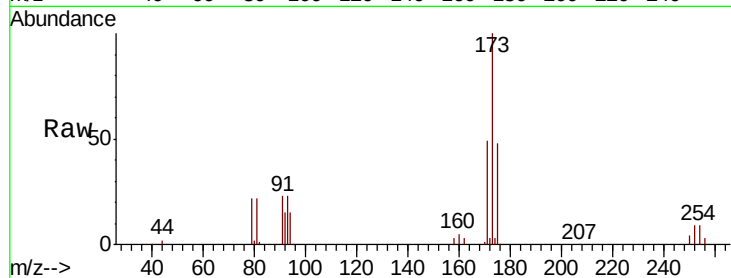
Tot Ion:173 Resp: 41918

Ion Ratio Lower Upper

173 100

175 49.3 24.0 72.0

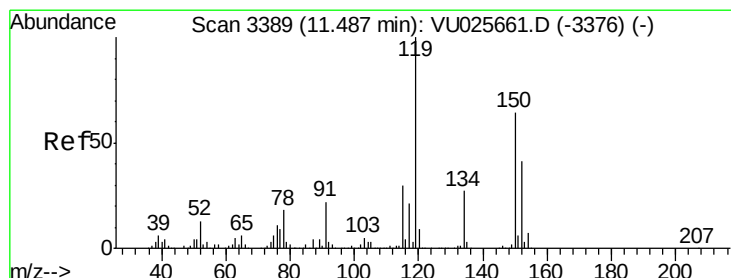
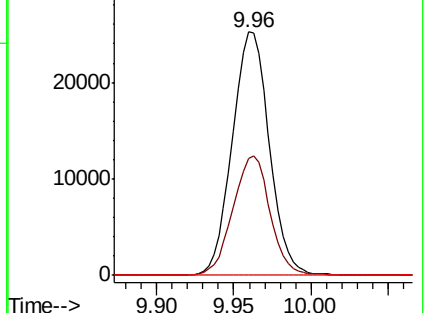
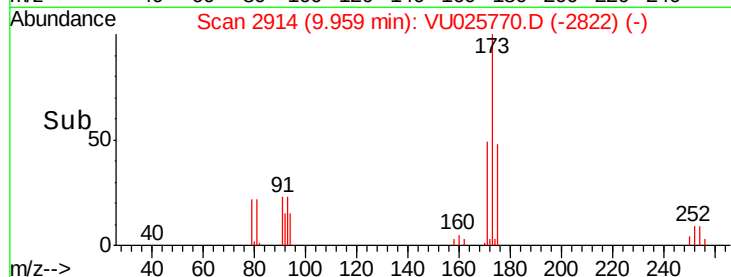
254 0.0 0.0 0.0



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

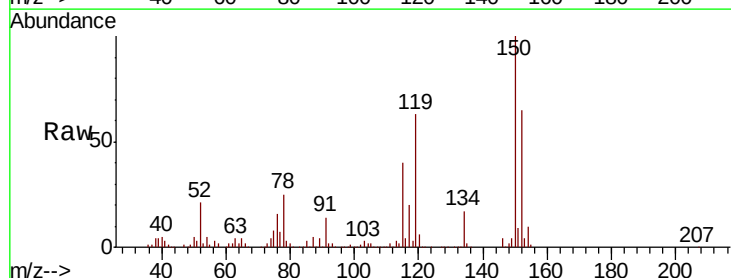
Tgt Ion:152 Resp: 155954

Ion Ratio Lower Upper

152 100

115 66.0 40.1 120.3

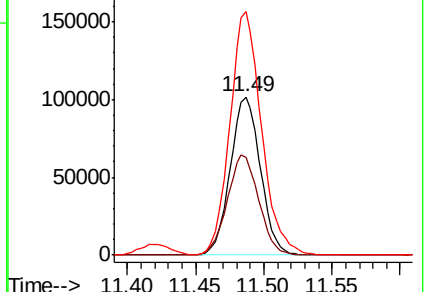
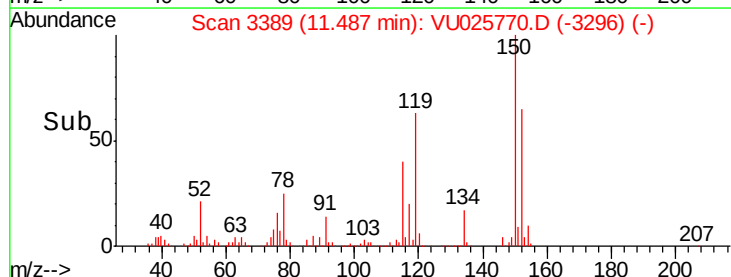
150 161.4 0.0 351.4

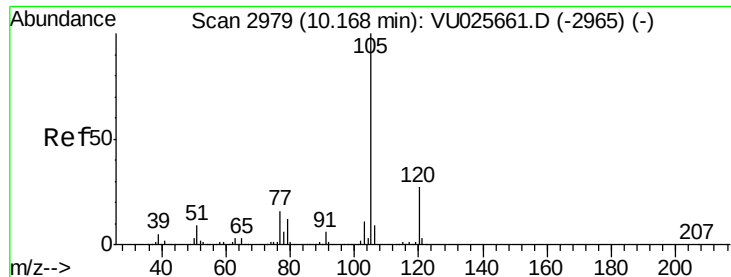


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

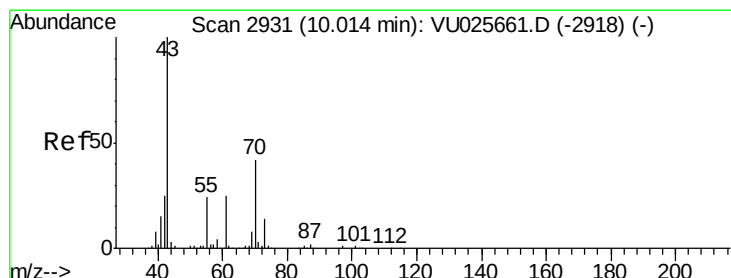
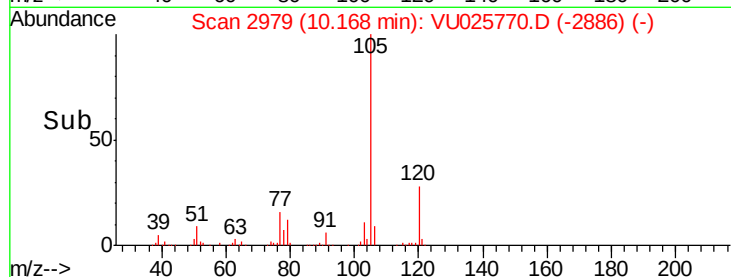
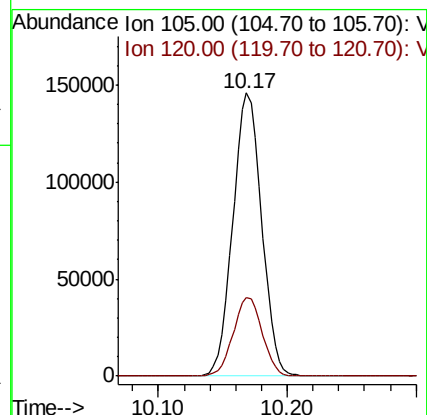
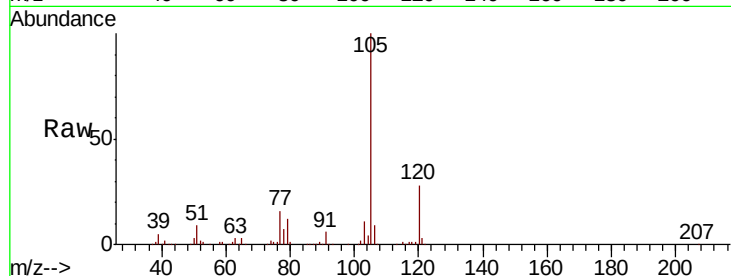
VU0801MBS02

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

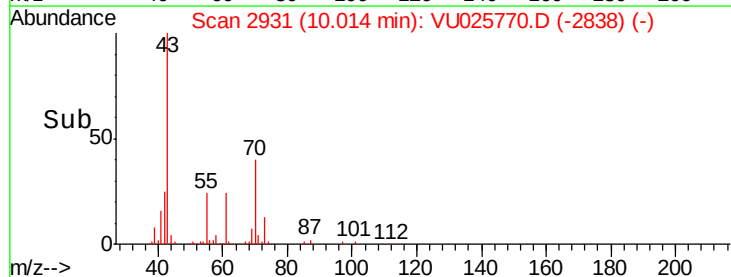
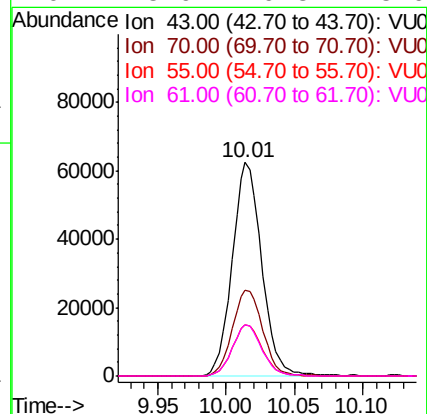
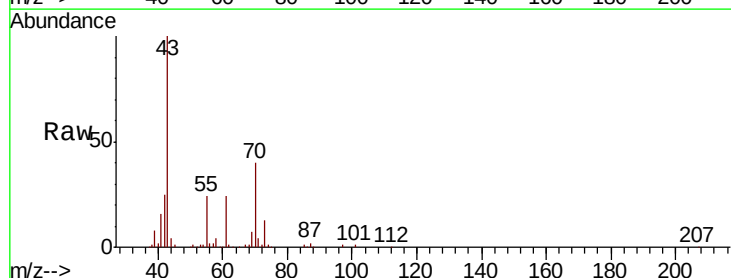
Ion Ratio Lower Upper

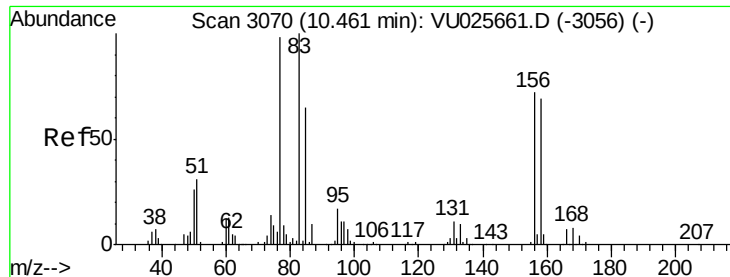
43 100

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 :

VU0801MBS02

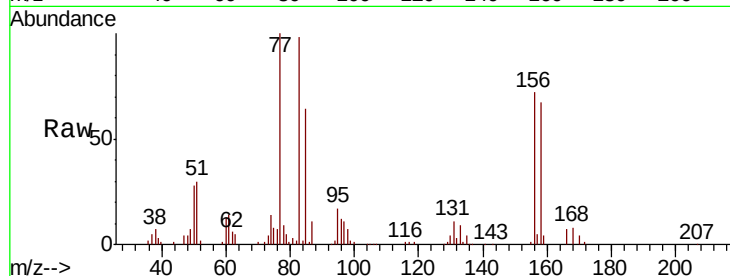
Tot Ion: 83 Resp: 76659

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

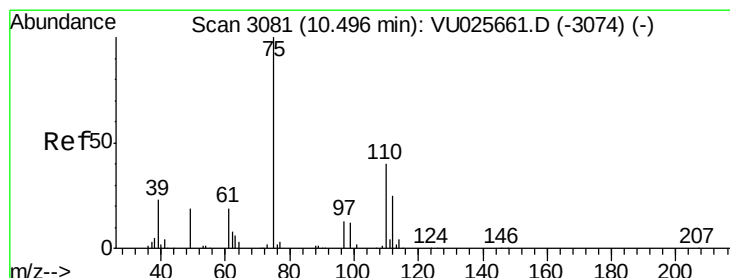
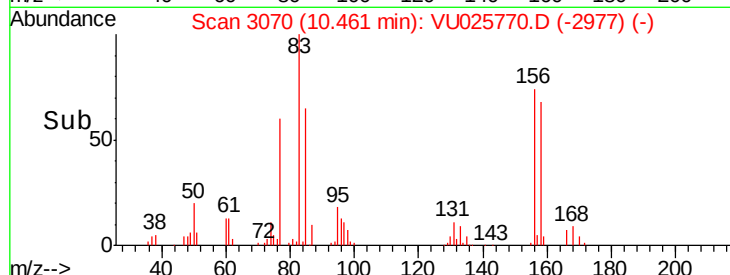
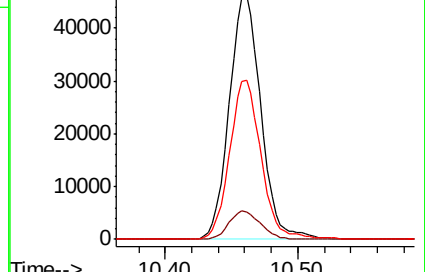
85 64.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025770.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025770.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025770.D (-2977) (-)



#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

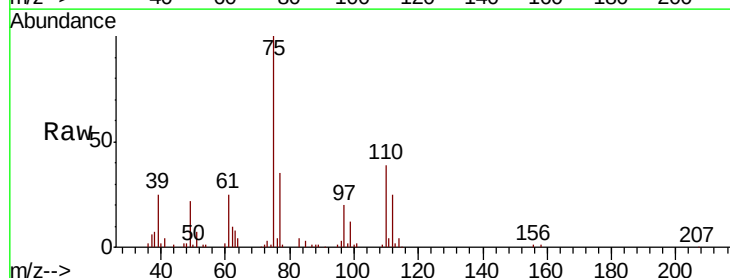
Acq: 01 Aug 2018 12:30

Tgt Ion: 75 Resp: 91845

Ion Ratio Lower Upper

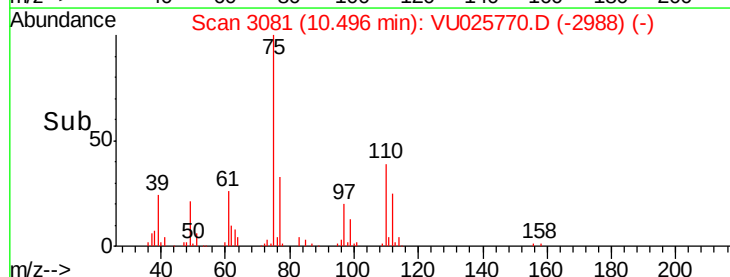
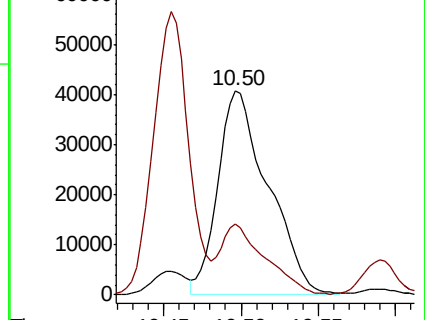
75 100

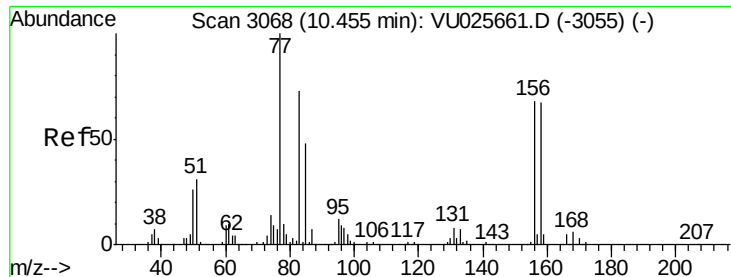
77 31.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025770.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025770.D (-2988) (-)





#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 :

VU0801MBSD02

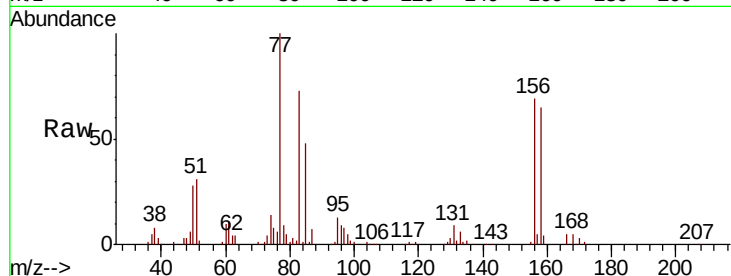
Tot Ion:156 Resp: 61935

Ion Ratio Lower Upper

156 100

77 145.1 73.8 221.4

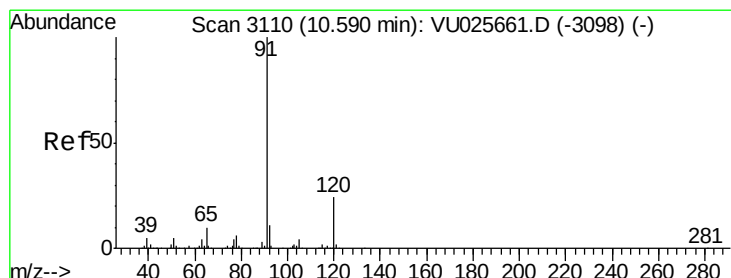
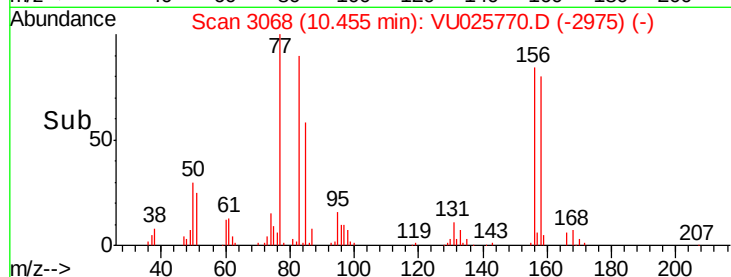
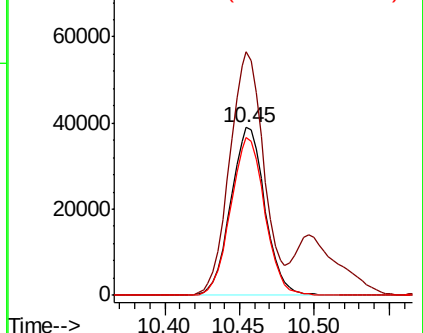
158 94.0 48.0 144.0



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

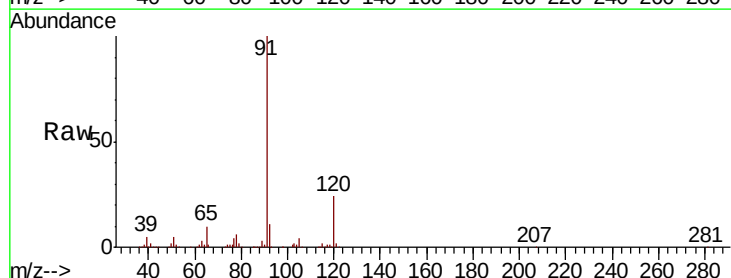
Acq: 01 Aug 2018 12:30

Tgt Ion: 91 Resp: 262980

Ion Ratio Lower Upper

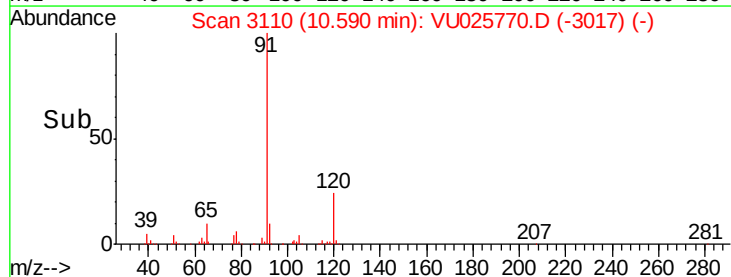
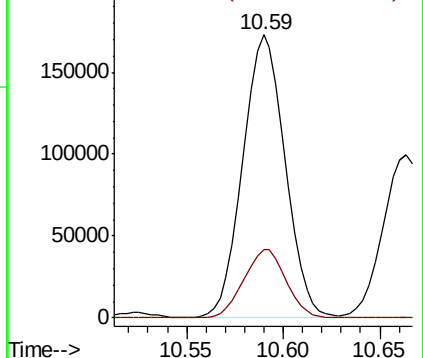
91 100

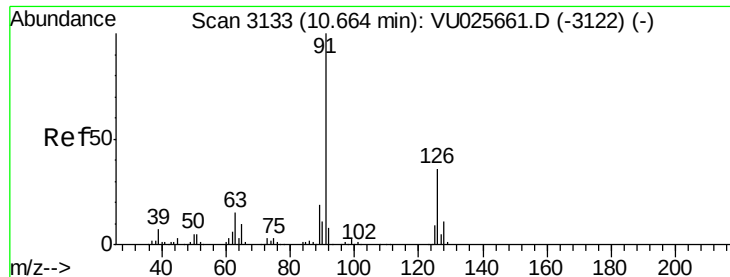
120 24.2 11.8 35.3



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 :

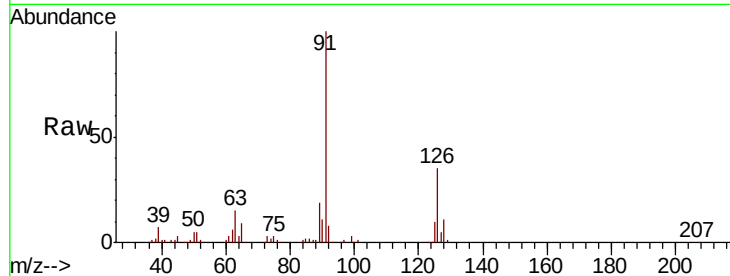
VU0801MBSD02

Tot Ion: 91 Resp: 157616

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025661.D (-3122) (-)

200000

150000

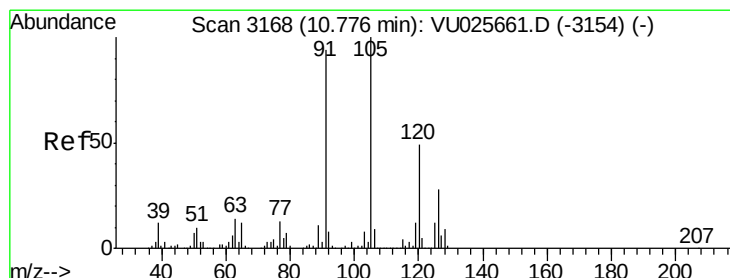
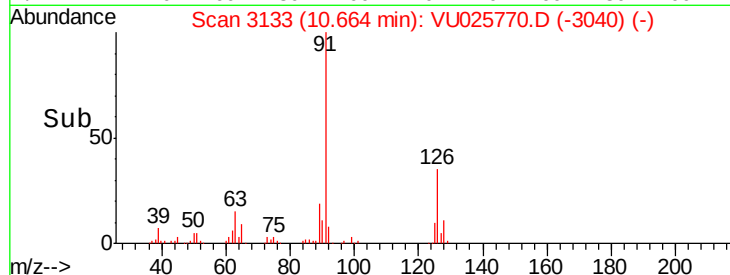
100000

50000

0

10.60 10.65 10.70

Time-->



#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

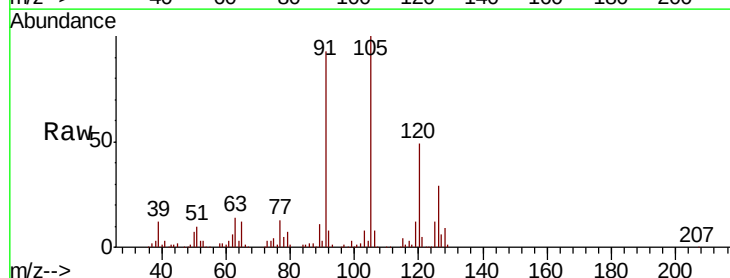
Acq: 01 Aug 2018 12:30

Tgt Ion: 105 Resp: 194900

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025661.D (-3154) (-)

150000

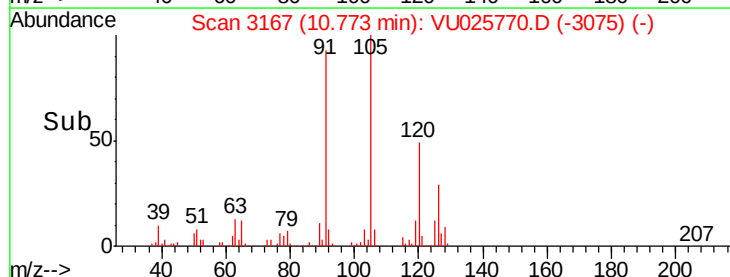
100000

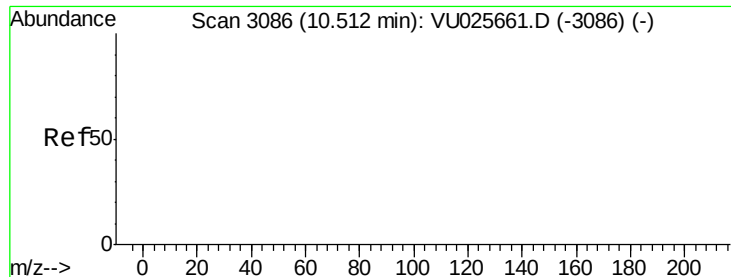
50000

0

10.70 10.75 10.80

Time-->

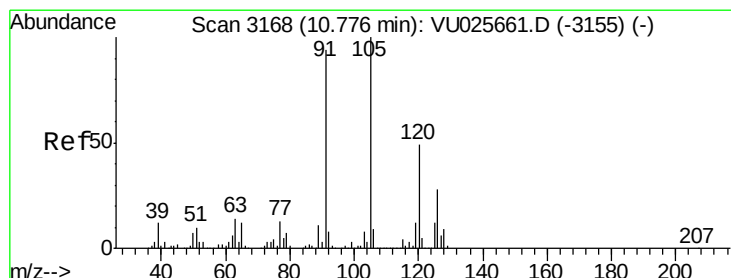
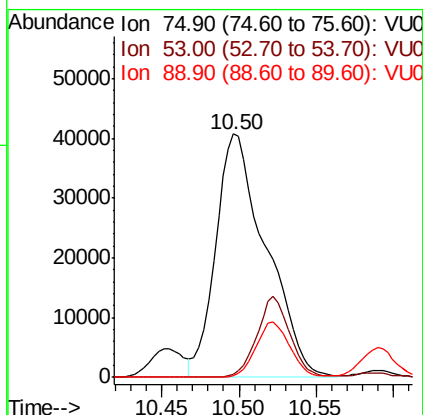
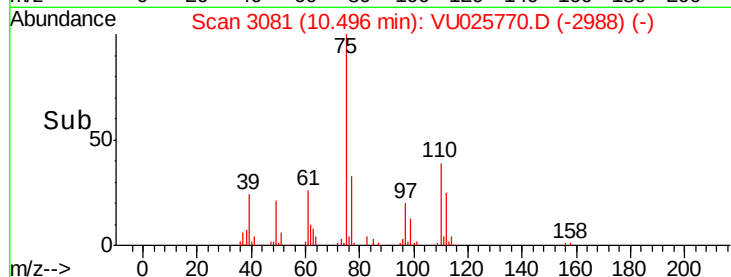
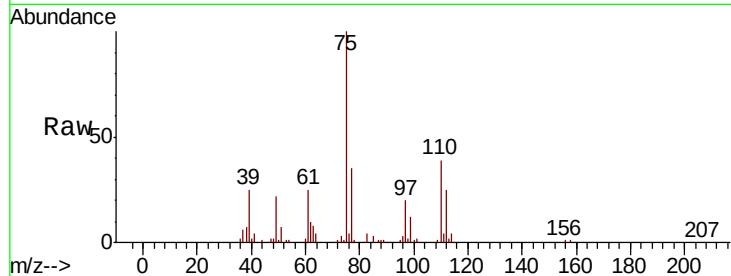




#81
trans-1,4-Dichloro-2-butene
Concen: 67.02 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

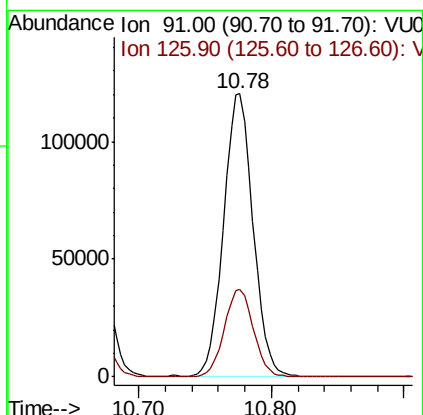
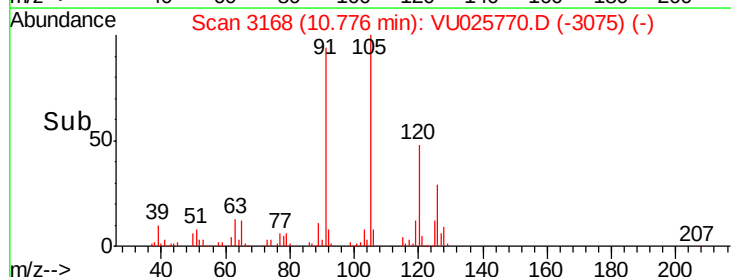
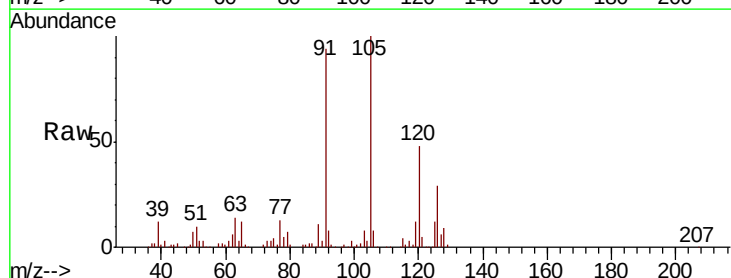
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS02

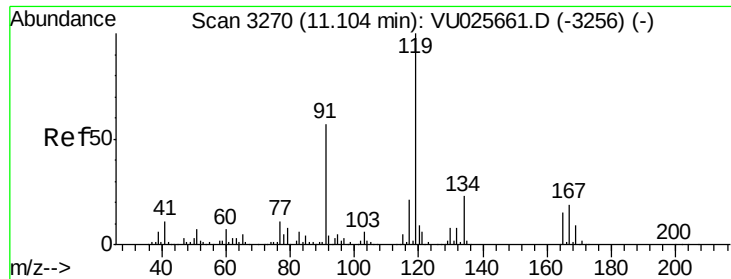
Tot Ion: 75 Resp: 91845
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#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

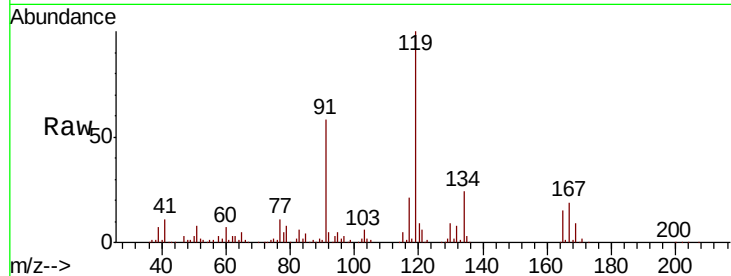




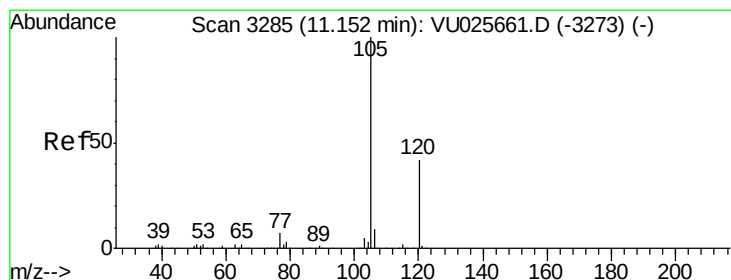
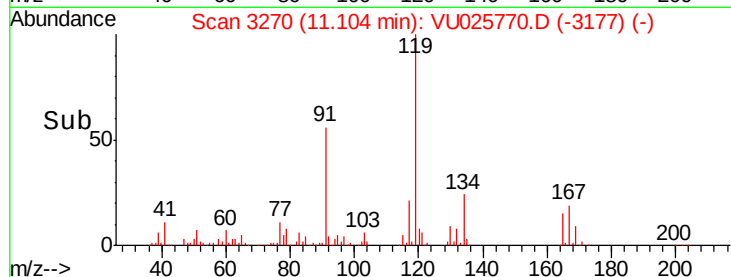
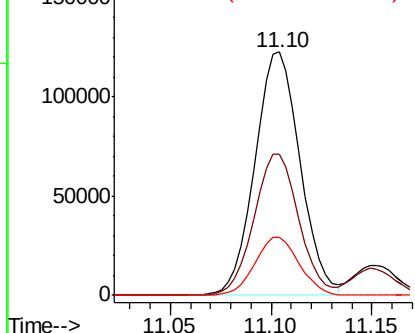
#83
 tert-Butylbenzene
 Concen: 21.39 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

Tot Ion:119 Resp: 192149
 Ion Ratio Lower Upper
 119 100
 91 57.4 29.7 89.1
 134 23.4 11.5 34.5

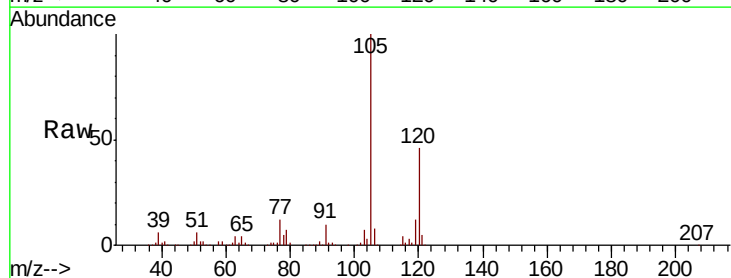


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

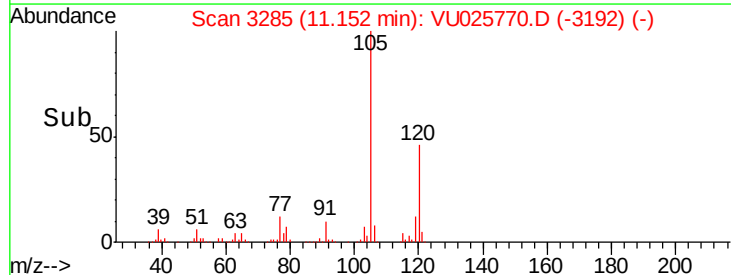
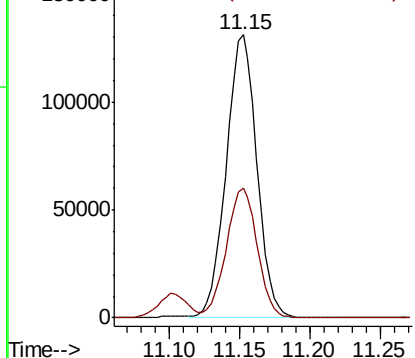


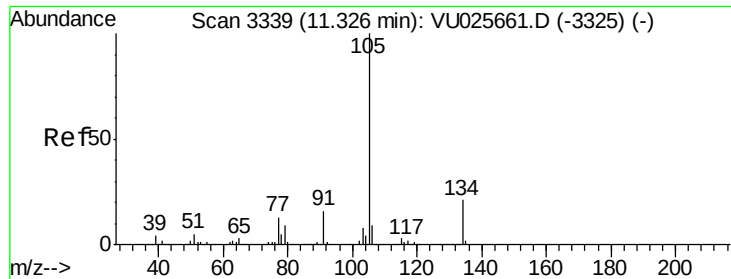
#84
 1,2,4-Trimethylbenzene
 Concen: 21.69 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Tgt Ion:105 Resp: 198708
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

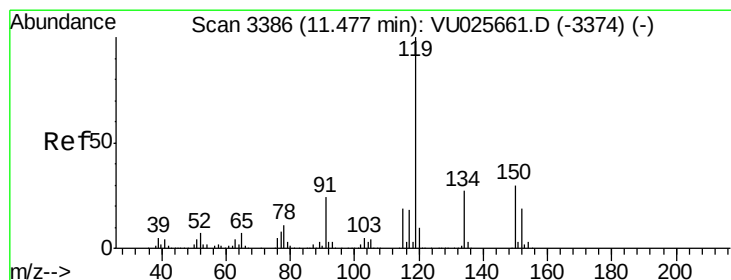
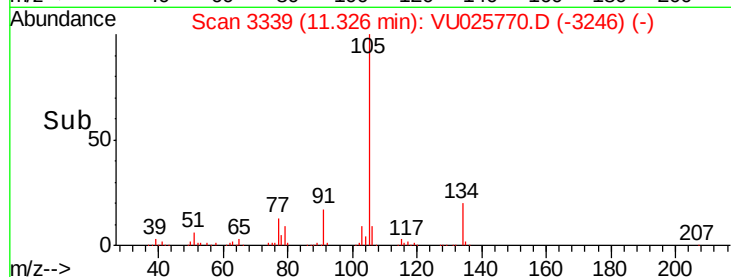
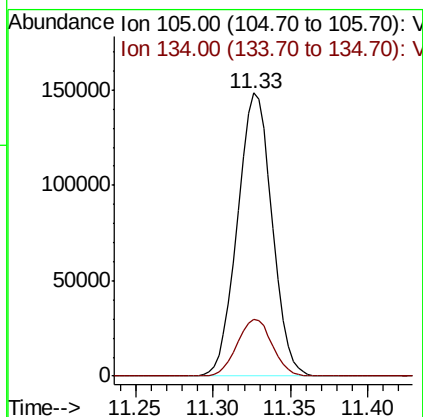
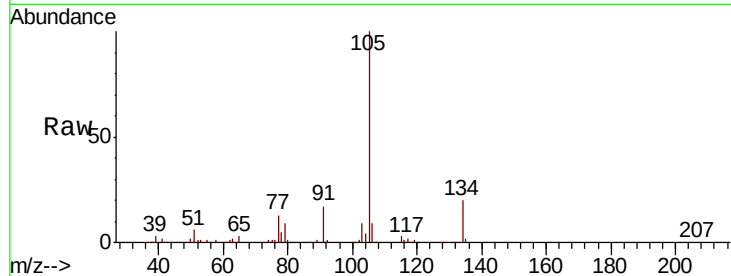




#85
 sec-Butylbenzene
 Concen: 21.05 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

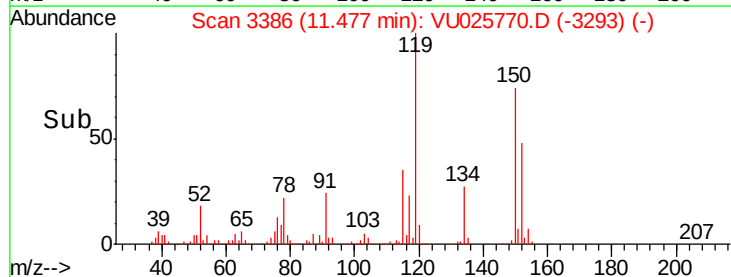
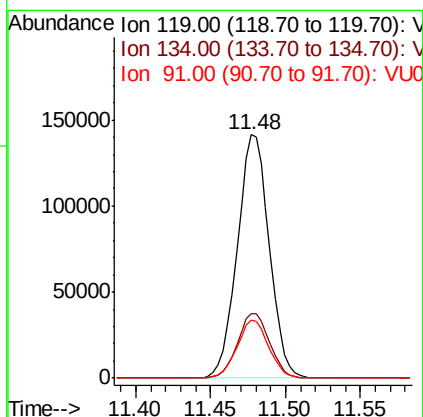
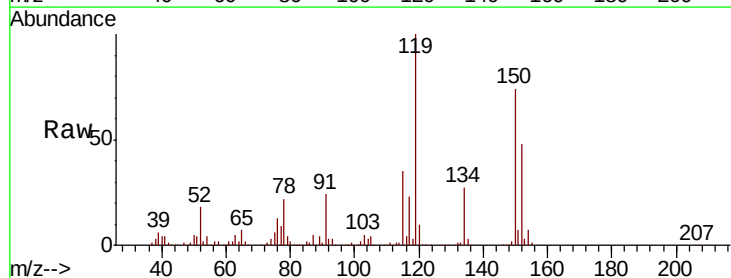
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

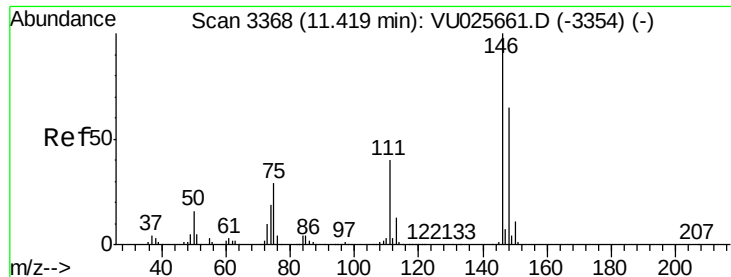
Tot Ion:105 Resp: 230818
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#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

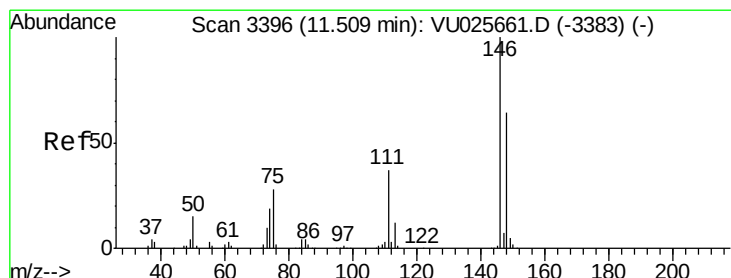
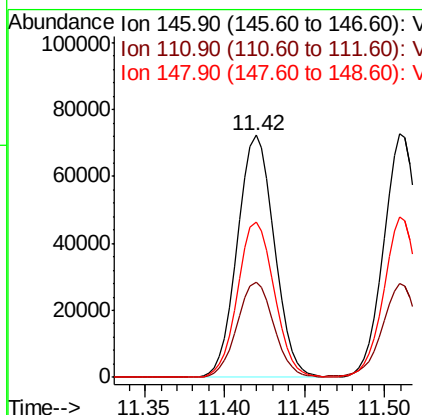
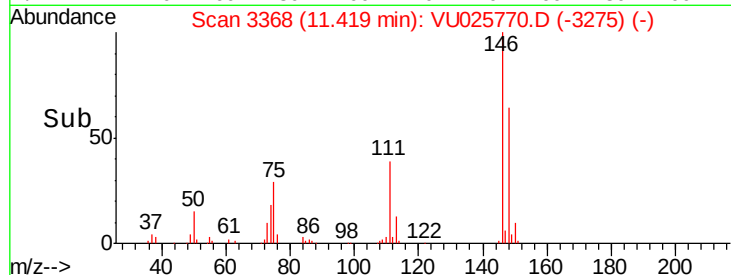
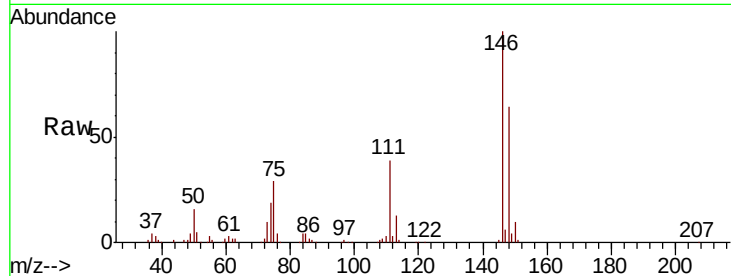




#87
 1,3-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

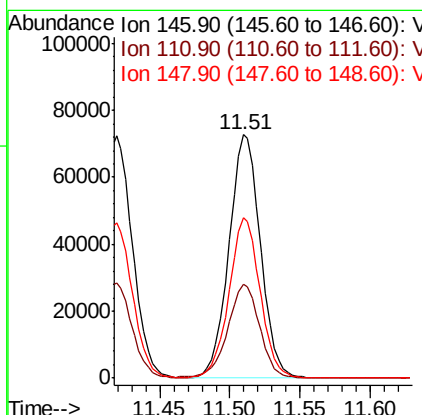
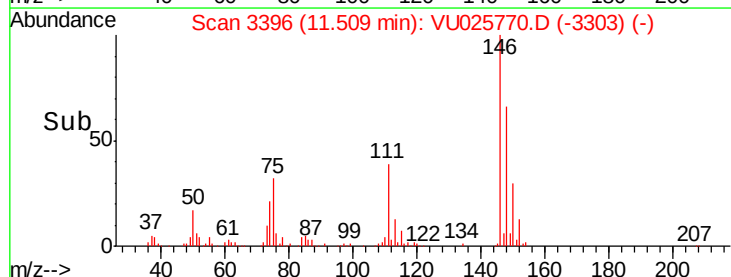
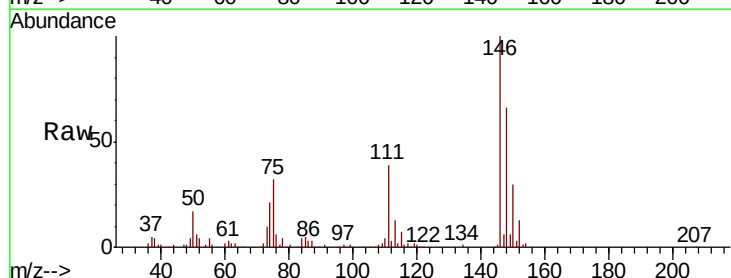
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS02

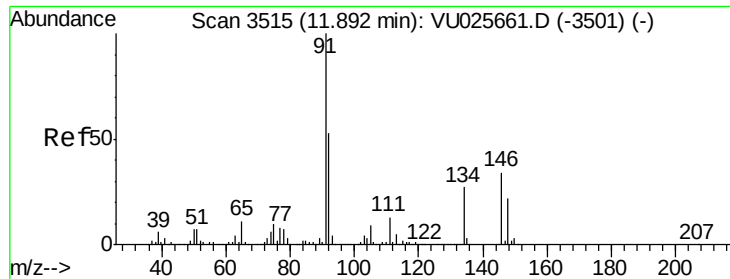
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.7	32.1	96.3



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

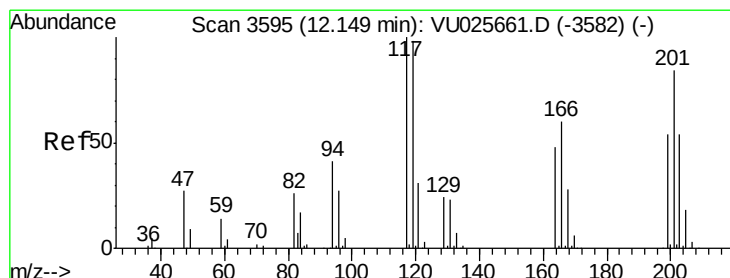
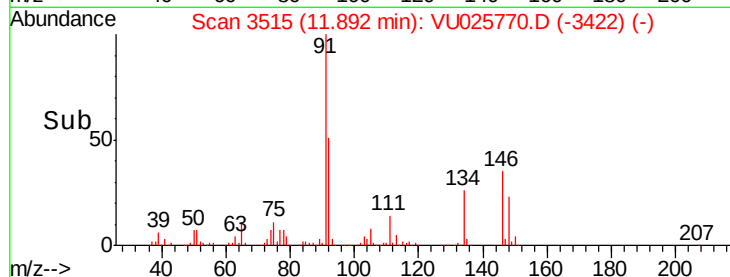
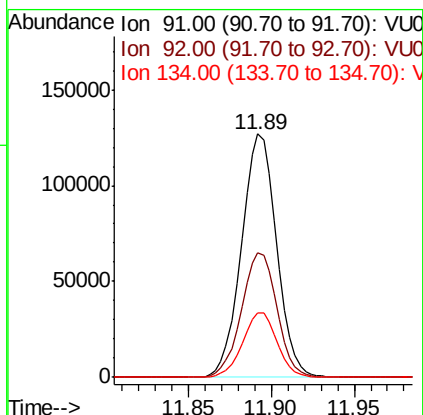
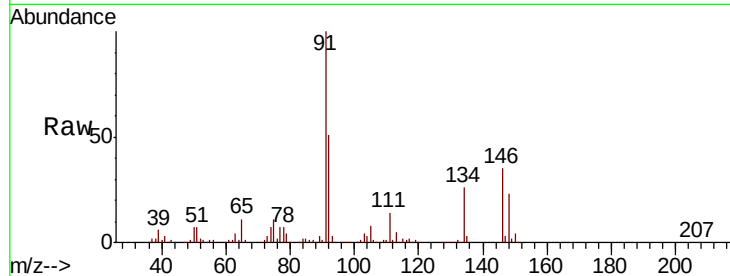




#89
n-Butylbenzene
Concen: 20.61 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

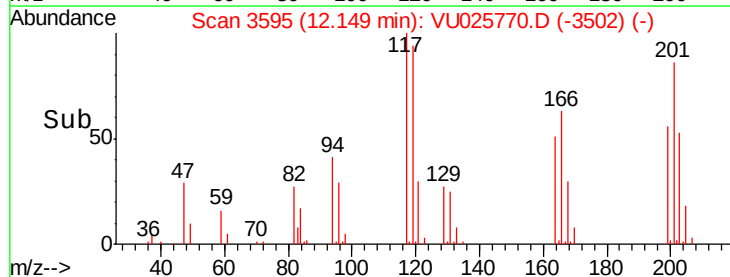
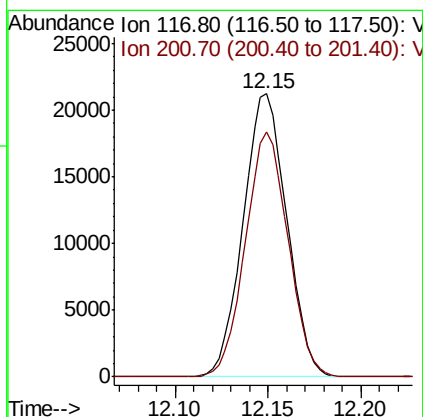
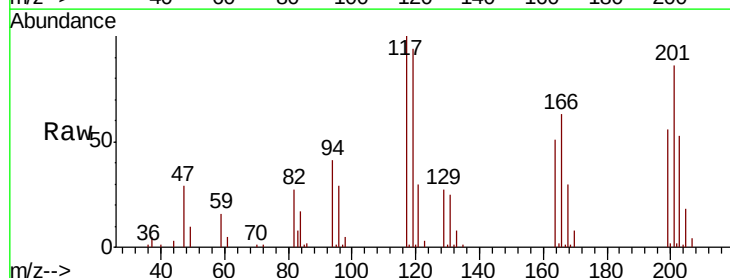
Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

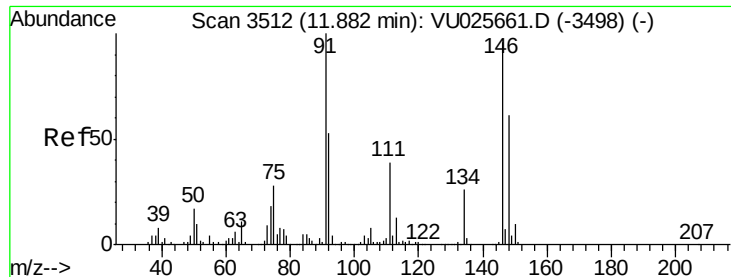
Tot Ion: 91 Resp: 186719
Ion Ratio Lower Upper
91 100
92 51.7 26.5 79.5
134 26.2 13.6 40.7



#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

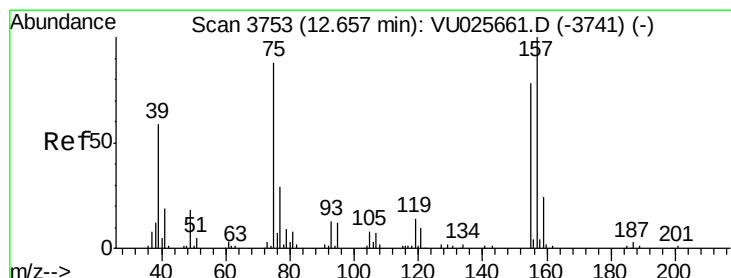
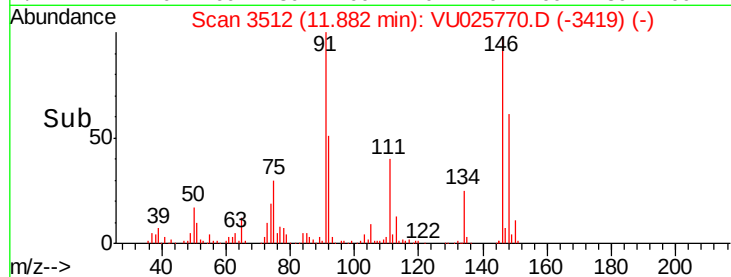
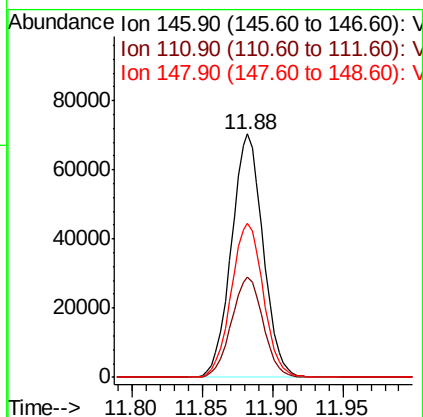
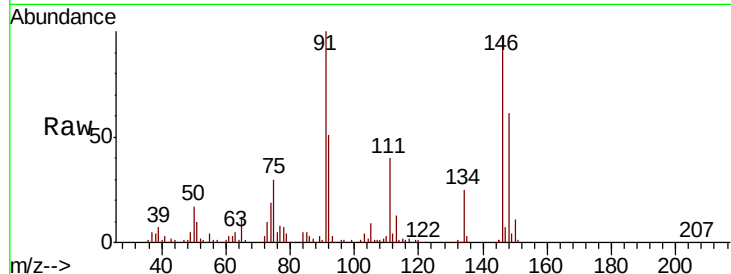




#91
 1,2-Dichlorobenzene
 Concen: 20.68 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

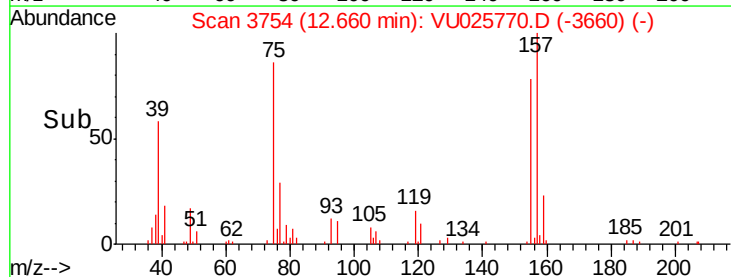
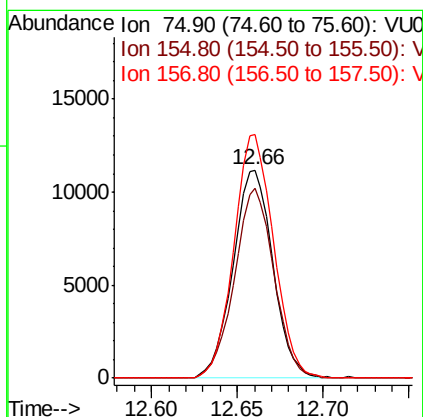
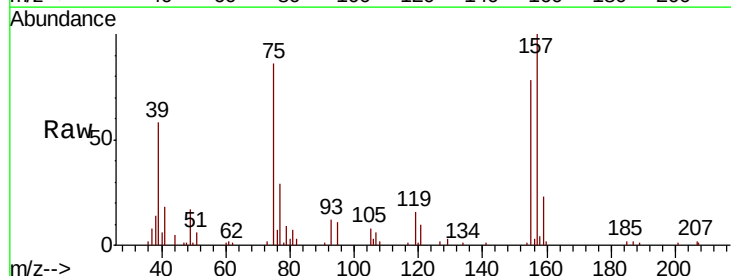
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

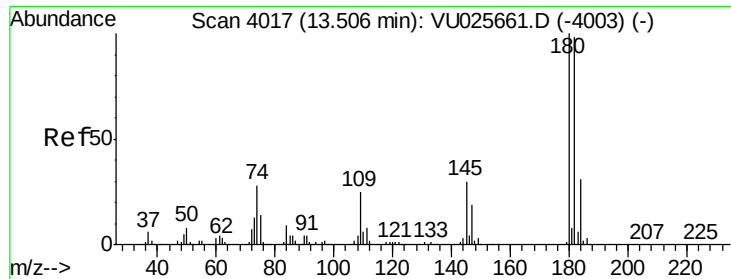
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.2	31.5	94.5



#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

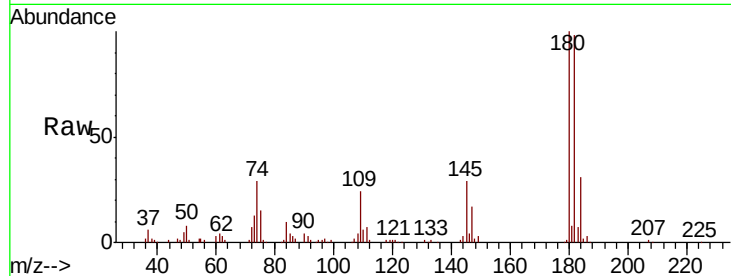




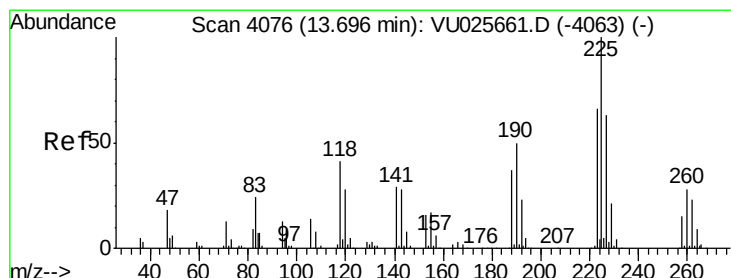
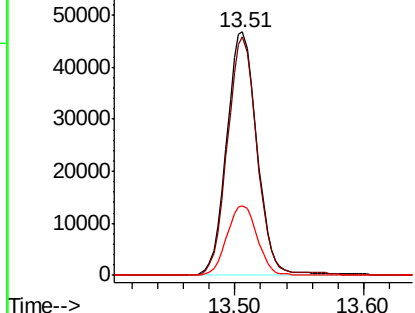
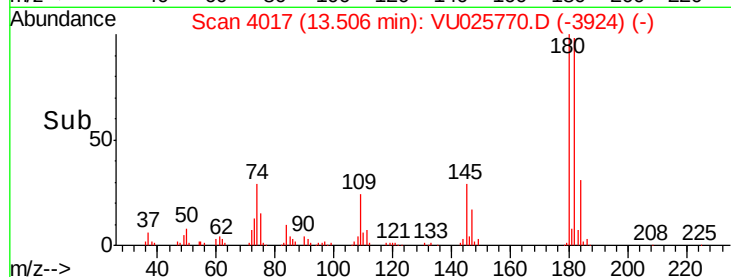
#93
 1,2,4-Trichlorobenzene
 Concen: 21.17 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBSD02

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

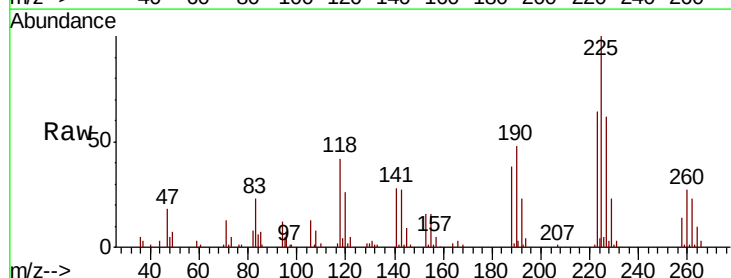


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

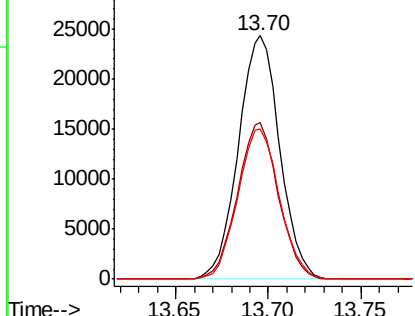
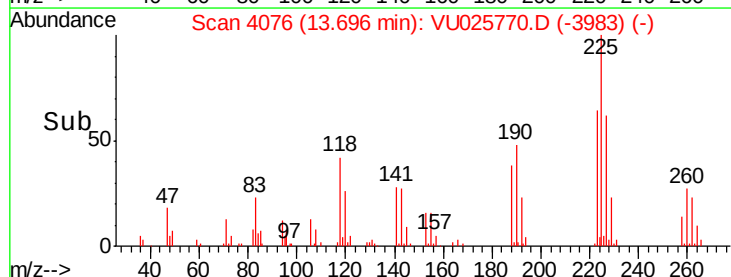


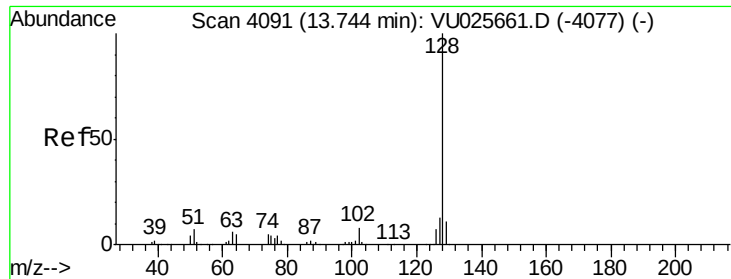
#94
 Hexachlorobutadiene
 Concen: 19.75 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025770.D
 Acq: 01 Aug 2018 12:30

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

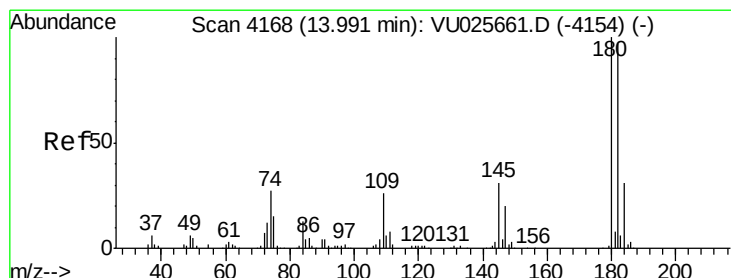
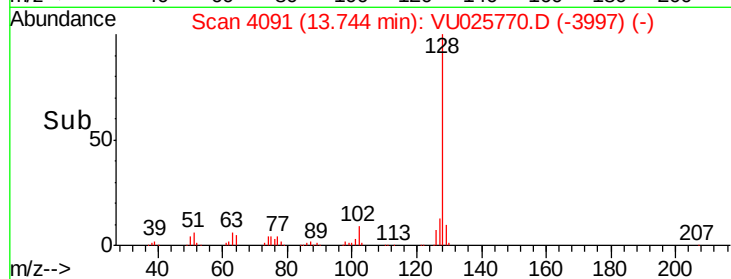
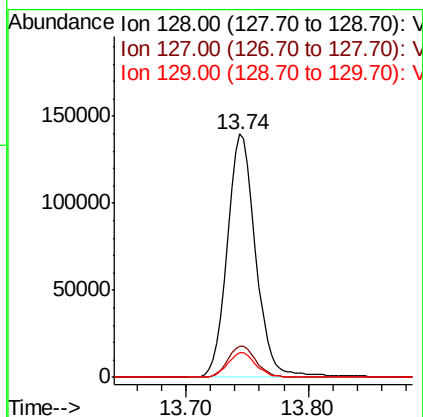
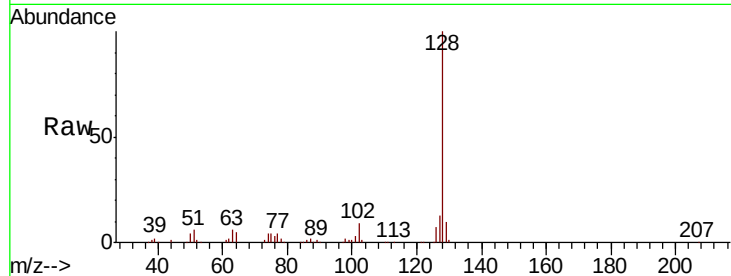




#95
Naphthalene
Concen: 20.45 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025770.D
Acq: 01 Aug 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBSD02

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



#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

