

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025686.D
 Acq On : 27 Jul 2018 22:44
 Operator : MD/SY
 Sample : VN0727WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Quant Time: Jul 28 05:28:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	167703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	257689	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156520	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	133677	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	4.89	113	108535	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
50) Toluene-d8	7.57	98	383723	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	10.31	95	146528	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	53781	21.22	ug/l	98
3) Chloromethane	1.33	50	47032	19.41	ug/l	99
4) Vinyl Chloride	1.41	62	45212	19.83	ug/l	100
5) Bromomethane	1.63	94	23849	21.42	ug/l	96
6) Chloroethane	1.70	64	25067	18.80	ug/l	96
7) Trichlorofluoromethane	1.89	101	67632	20.52	ug/l	99
8) Diethyl Ether	2.10	74	22498	18.86	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39844	20.89	ug/l	95
10) Methyl Iodide	2.41	142	27756	21.51	ug/l	98
11) Tert butyl alcohol	2.83	59	58266	101.85	ug/l	99
12) 1,1-Dichloroethene	2.28	96	34805	19.33	ug/l	97
13) Acrolein	2.19	56	17025	80.80	ug/l	94
14) Allyl chloride	2.59	41	60608	18.73	ug/l	98
15) Acrylonitrile	2.94	53	116833	102.29	ug/l	99
16) Acetone	2.32	43	110016	86.36	ug/l	97
17) Carbon Disulfide	2.48	76	111744	19.18	ug/l	99
18) Methyl Acetate	2.62	43	69092	22.53	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	131185	20.10	ug/l	100
20) Methylene Chloride	2.70	84	43234	19.15	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41630	20.00	ug/l	97
22) Diisopropyl ether	3.58	45	130528	20.47	ug/l	95
23) Vinyl Acetate	3.53	43	551746	99.29	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76996	20.12	ug/l	99
25) 2-Butanone	4.27	43	175323	101.10	ug/l	100
26) 2,2-Dichloropropane	4.23	77	55966	16.09	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46042	19.62	ug/l	98
28) Bromochloromethane	4.55	49	34869	20.37	ug/l	99
29) Tetrahydrofuran	4.64	42	108546	104.47	ug/l	99
30) Chloroform	4.68	83	80275	19.87	ug/l	99
31) Cyclohexane	5.00	56	68455	19.74	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	73381	20.17	ug/l	99
36) 1,1-Dichloropropene	5.14	75	58633	19.47	ug/l	98
37) Ethyl Acetate	4.38	43	62619	20.05	ug/l	99
38) Carbon Tetrachloride	5.14	117	65036	19.07	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66422	19.25	ug/l	98
40) Benzene	5.39	78	167345	19.01	ug/l	97
41) Methacrylonitrile	4.55	41	34226	19.73	ug/l	97
42) 1,2-Dichloroethane	5.41	62	65580	19.35	ug/l	100
43) Isopropyl Acetate	5.55	43	100654	19.51	ug/l	99
44) Trichloroethene	6.19	130	46468	18.96	ug/l	95
45) 1,2-Dichloropropane	6.44	63	44069	19.20	ug/l	97
46) Dibromomethane	6.56	93	31763	19.09	ug/l	100
47) Bromodichloromethane	6.76	83	60336	19.01	ug/l	95
48) Methyl methacrylate	6.63	41	50907	20.13	ug/l	98
49) 1,4-Dioxane	6.62	88	25767	418.68	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	323107	100.02	ug/l	100
52) Toluene	7.64	92	108662	19.87	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	65566	18.40	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	68383	18.68	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	44180	19.44	ug/l	99
56) Ethyl methacrylate	8.02	69	62945	19.38	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75362	19.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	132362	94.54	ug/l	99
59) 2-Hexanone	8.36	43	252820	99.84	ug/l	100
60) Dibromochloromethane	8.48	129	50194	18.73	ug/l	99
61) 1,2-Dibromoethane	8.59	107	50055	19.80	ug/l	98
64) Tetrachloroethene	8.23	164	42873	19.30	ug/l	96
65) Chlorobenzene	9.12	112	124926	19.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	44991	19.12	ug/l	97
67) Ethyl Benzene	9.25	91	204517	18.98	ug/l	99
68) m/p-Xylenes	9.38	106	161210	38.96	ug/l	100
69) o-Xylene	9.78	106	77280	19.11	ug/l	96
70) Styrene	9.80	104	124721	19.09	ug/l	99
71) Bromoform	9.96	173	37109	18.18	ug/l #	100
73) Isopropylbenzene	10.17	105	210206	19.68	ug/l	99
74) N-amyl acetate	10.02	43	87387	20.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	70998	19.22	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	81546	23.65	ug/l	83
77) Bromobenzene	10.45	156	57017	19.35	ug/l	99
78) n-propylbenzene	10.59	91	246460	19.77	ug/l	100
79) 2-Chlorotoluene	10.66	91	144834	19.83	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	180404	19.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	81546	59.29	ug/l #	100
82) 4-Chlorotoluene	10.78	91	171903	19.97	ug/l	99
83) tert-Butylbenzene	11.10	119	172731	19.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	184623	20.08	ug/l	100
85) sec-Butylbenzene	11.33	105	216312	19.65	ug/l	99
86) p-Isopropyltoluene	11.48	119	192892	19.57	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105176	19.23	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	108647	19.06	ug/l	99
89) n-Butylbenzene	11.89	91	174719	19.21	ug/l	98
90) Hexachloroethane	12.15	117	31985	18.25	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	103939	19.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16998	19.41	ug/l	99

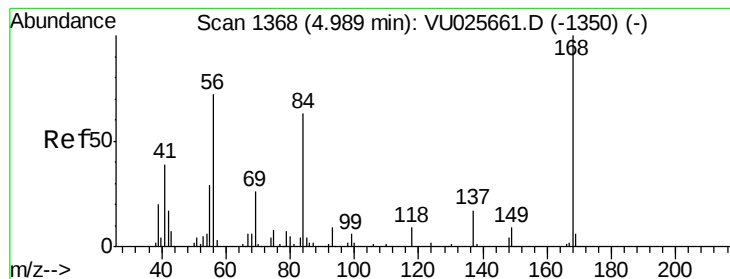
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72286	19.98	ug/l	100
94) Hexachlorobutadiene	13.70	225	36143	18.95	ug/l	99
95) Naphthalene	13.75	128	206810	18.60	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	71646	19.85	ug/l	99

(#) = 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: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

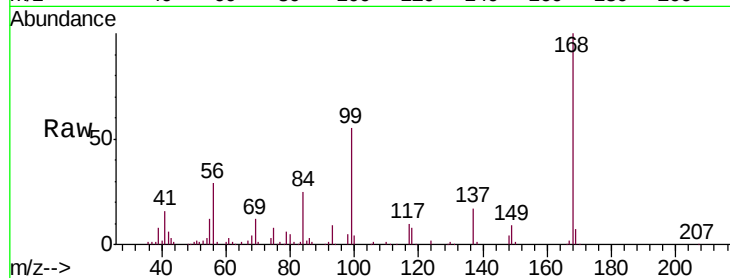
VU0727WBS02

Tot Ion:168 Resp: 167703

Ion Ratio Lower Upper

168 100

99 54.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025686.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025686.D (-1275) (-)

4.99

80000

60000

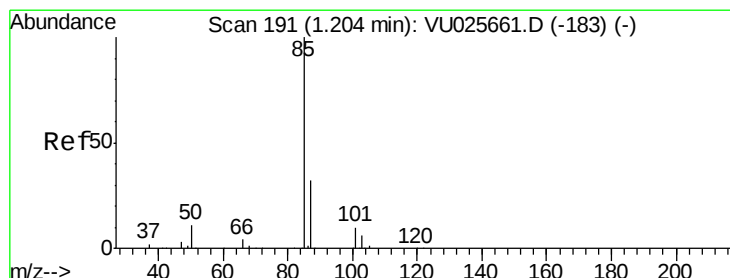
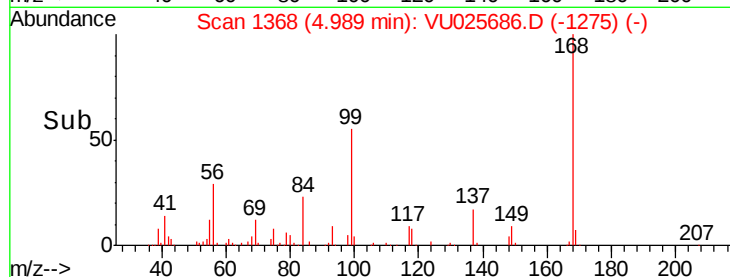
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.22 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025686.D

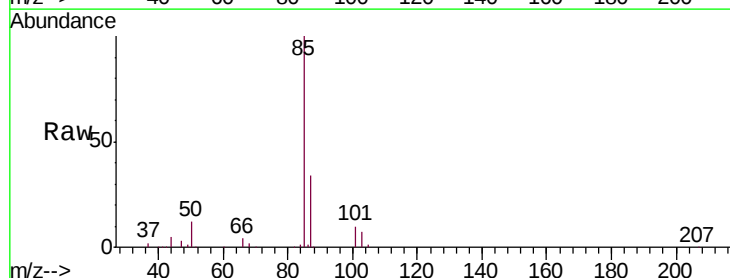
Acq: 27 Jul 2018 22:44

Tgt Ion: 85 Resp: 53781

Ion Ratio Lower Upper

85 100

87 34.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025686.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025686.D (-98) (-)

1.21

60000

50000

40000

30000

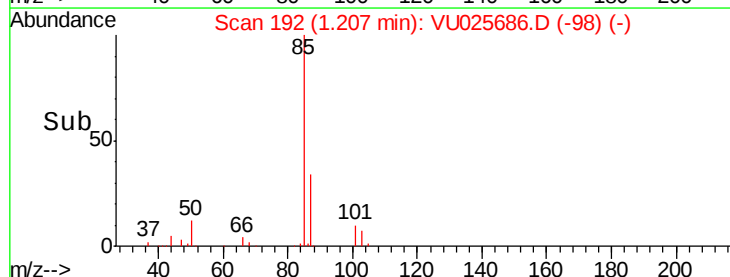
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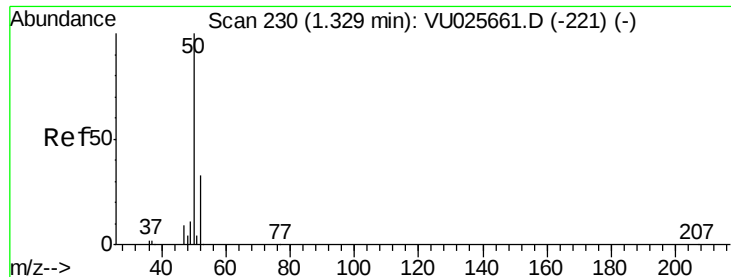
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.41 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

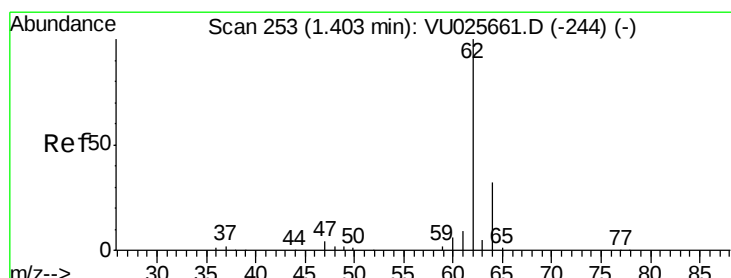
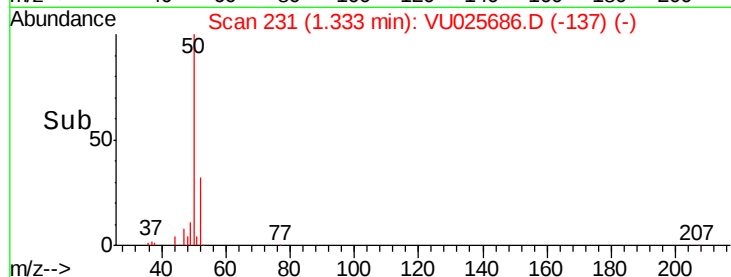
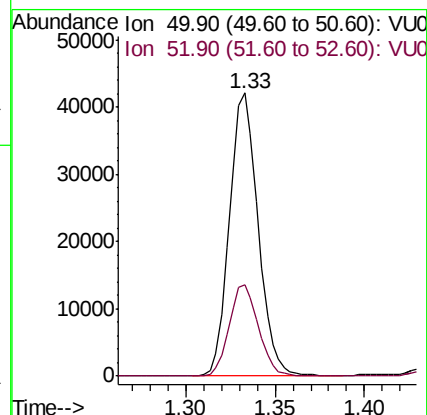
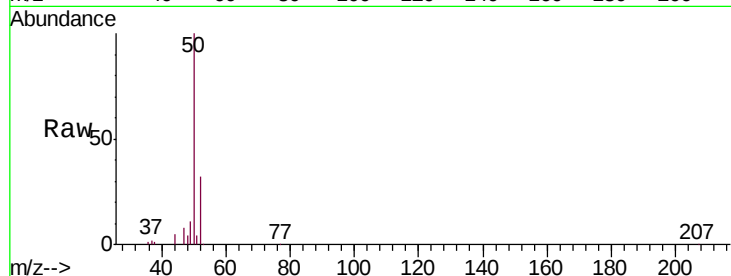
VU0727WBS02

Tot Ion: 50 Resp: 47032

Ion Ratio Lower Upper

50 100

52 32.4 26.5 39.7



#4

Vinyl Chloride

Concen: 19.83 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025686.D

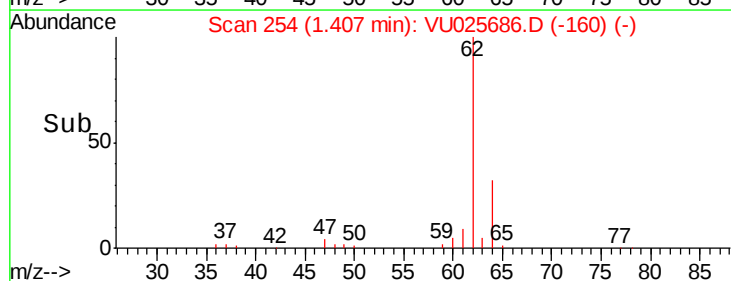
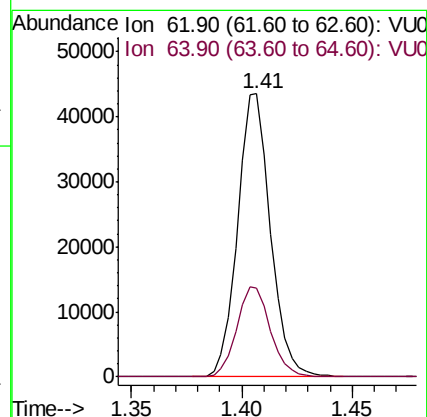
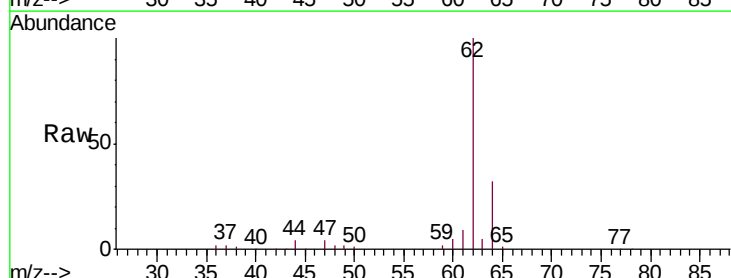
Acq: 27 Jul 2018 22:44

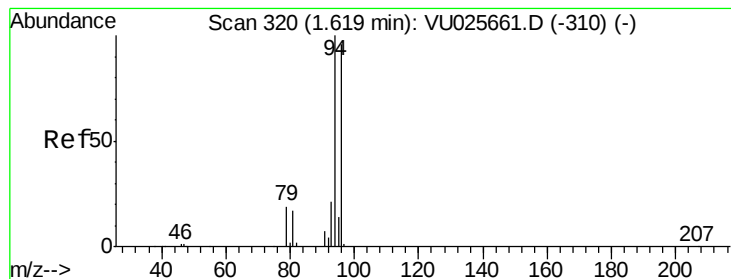
Tgt Ion: 62 Resp: 45212

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 21.42 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

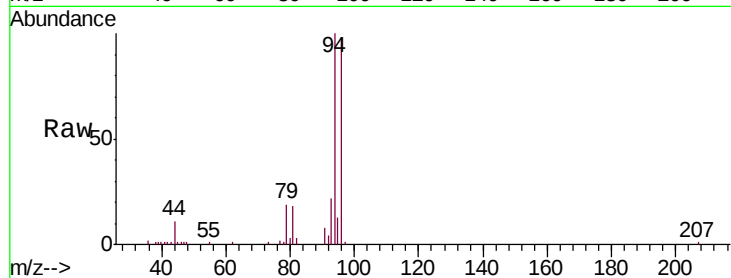
VU0727WBS02

Tot Ion: 94 Resp: 23849

Ion Ratio Lower Upper

94 100

96 97.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

20000

15000

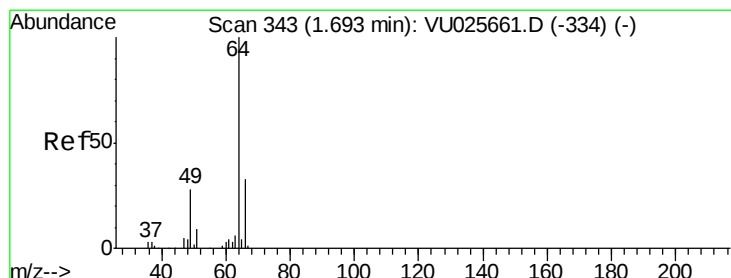
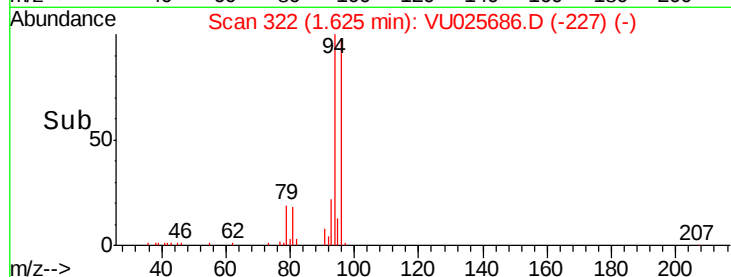
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 18.80 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025686.D

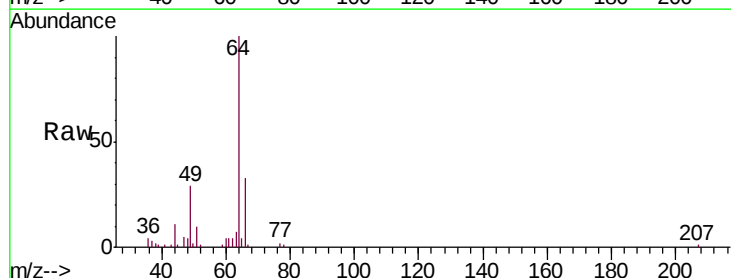
Acq: 27 Jul 2018 22:44

Tgt Ion: 64 Resp: 25067

Ion Ratio Lower Upper

64 100

66 33.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

20000

15000

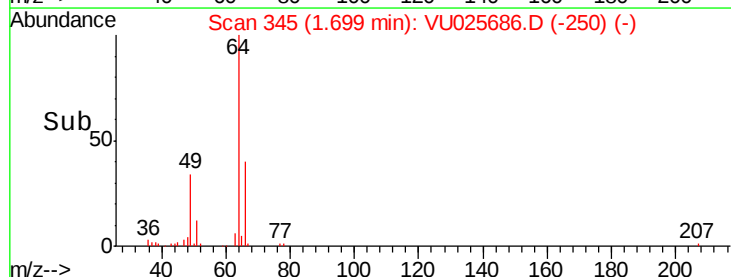
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5000

0

1.65 1.70 1.75

Time-->



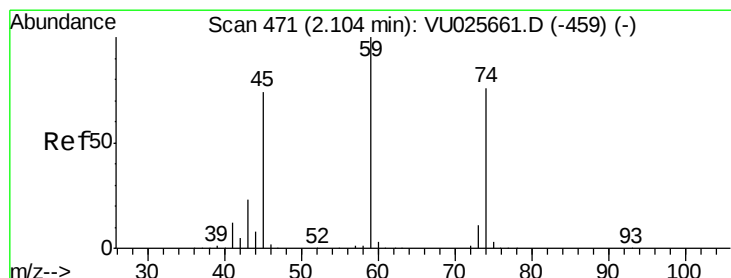
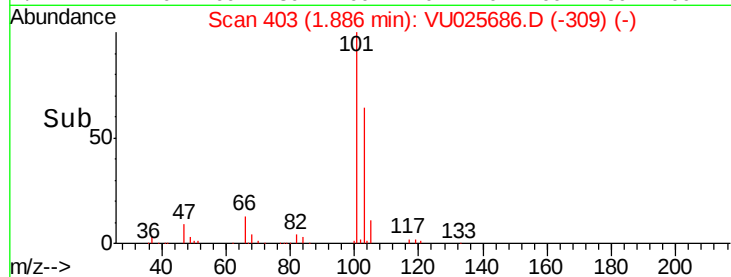
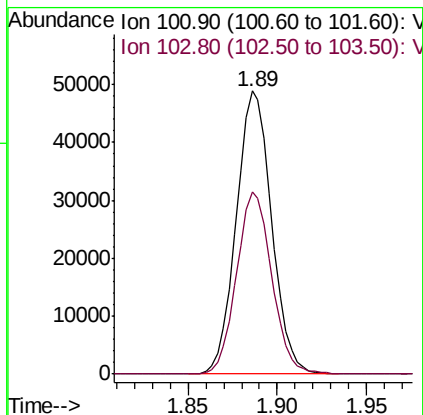
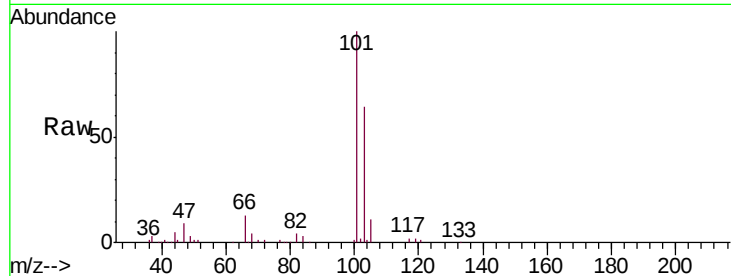


#7

Trichlorofluoromethane
 Concen: 20.52 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
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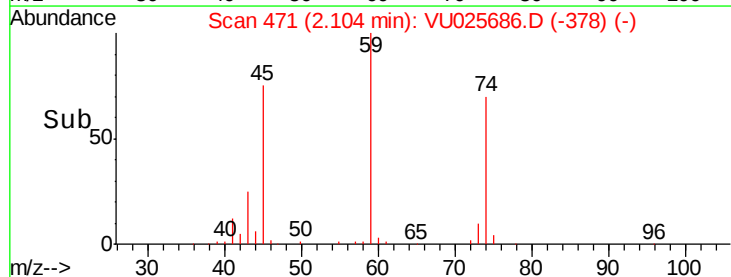
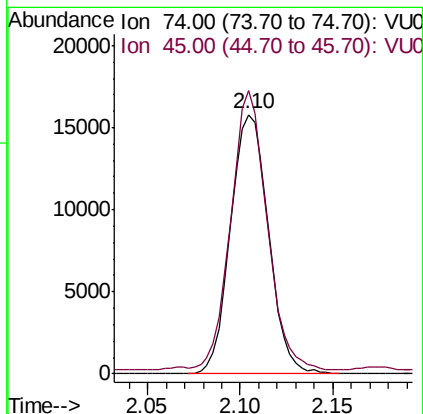
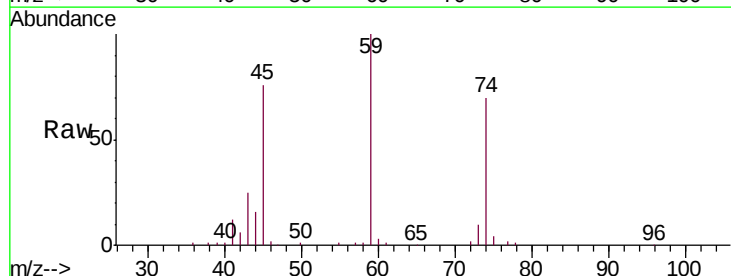
Tot Ion:101 Resp: 67632
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.2 78.2

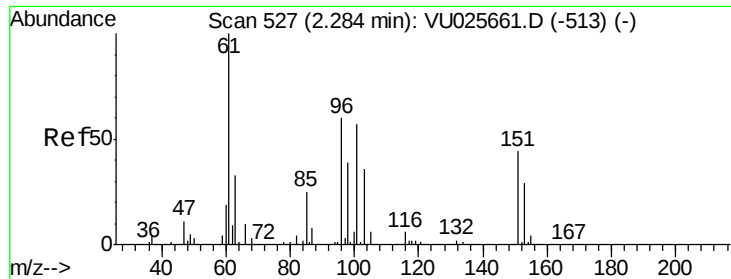


#8

Diethyl Ether
 Concen: 18.86 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 74 Resp: 22498
 Ion Ratio Lower Upper
 74 100
 45 103.3 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.89 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

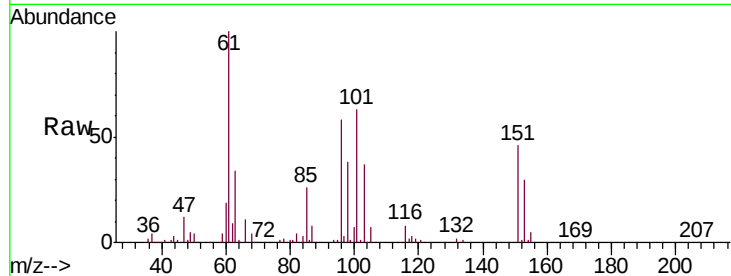
Tot Ion:101 Resp: 39844

Ion Ratio Lower Upper

101 100

85 43.4 36.0 54.0

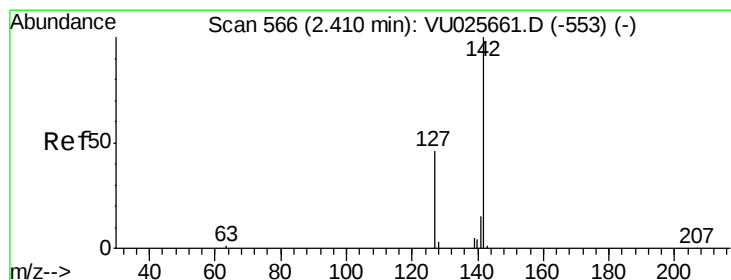
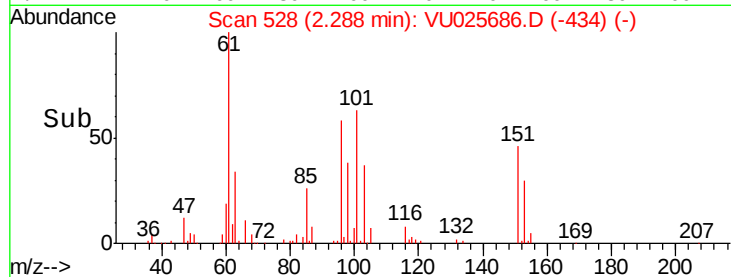
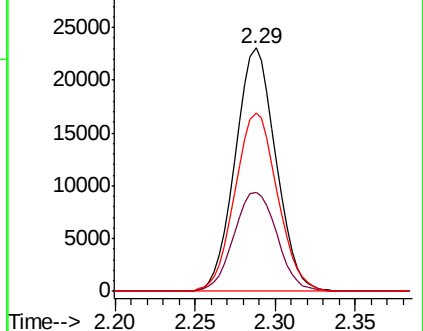
151 76.7 65.6 98.4



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: 21.51 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

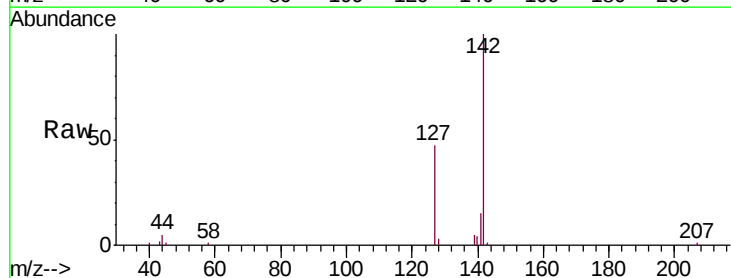
Tgt Ion:142 Resp: 27756

Ion Ratio Lower Upper

142 100

127 46.8 36.5 54.7

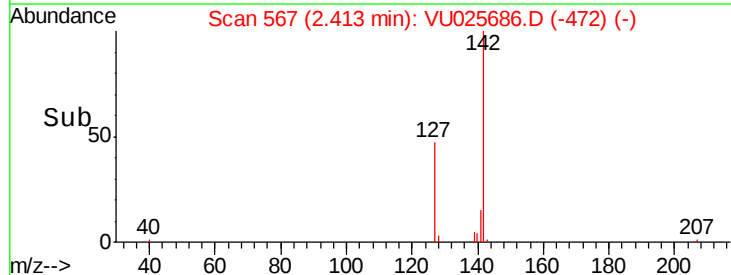
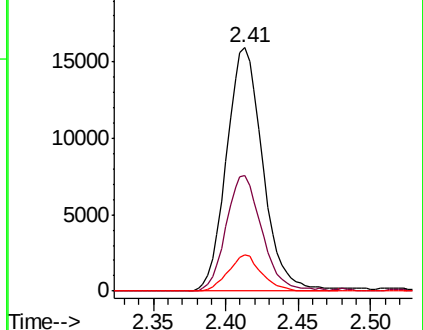
141 13.5 11.4 17.2

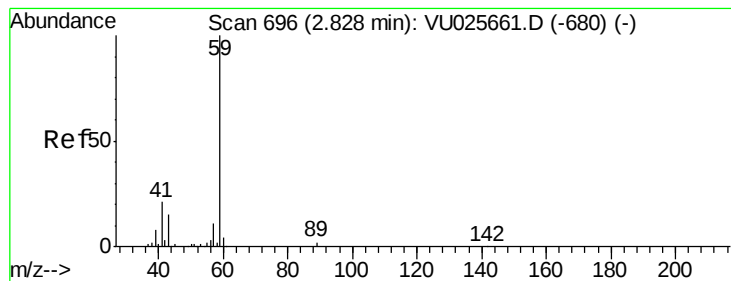


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



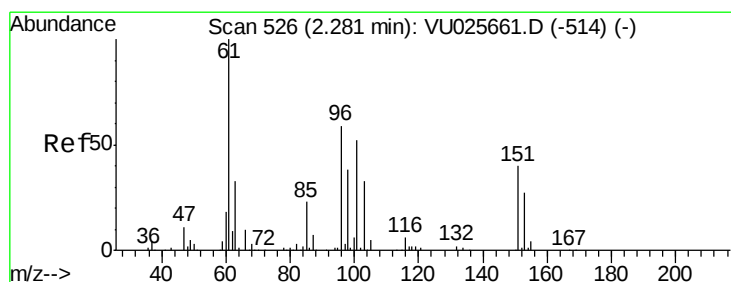
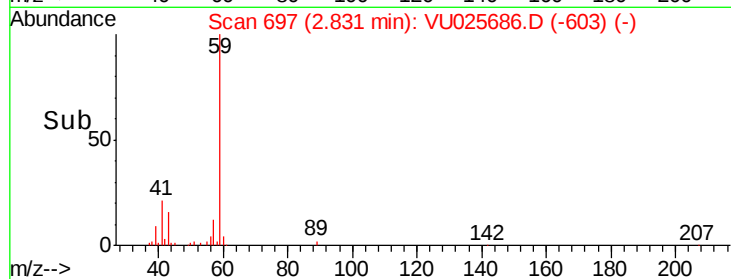
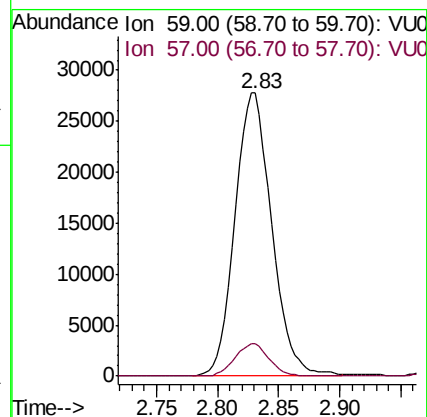
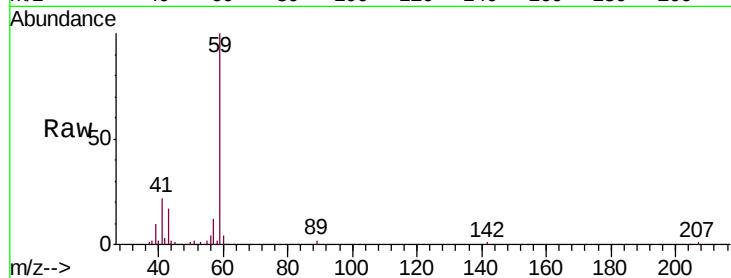


#11

Tert butyl alcohol
 Concen: 101.85 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

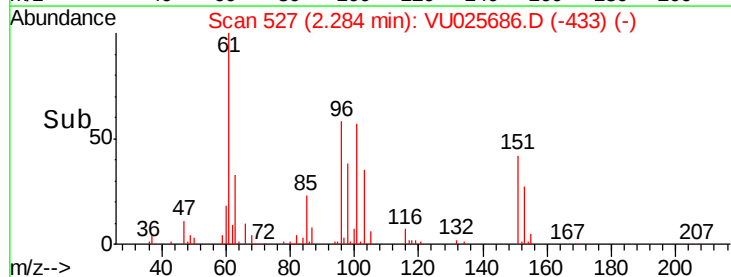
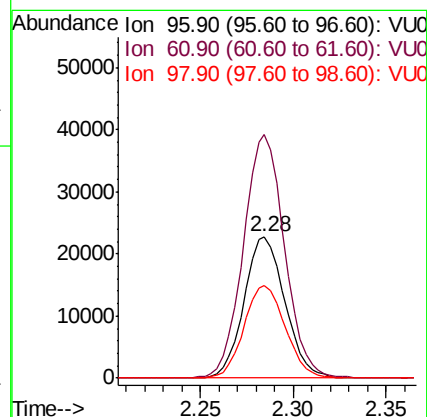
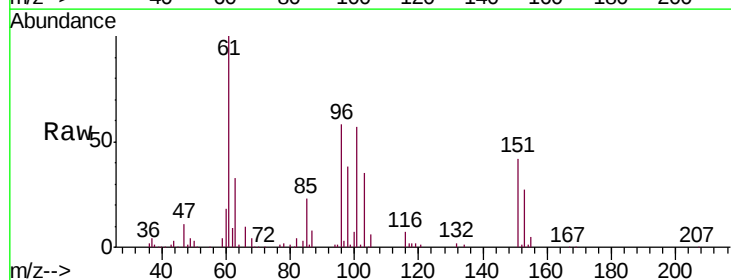
Tot Ion: 59 Resp: 58266
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

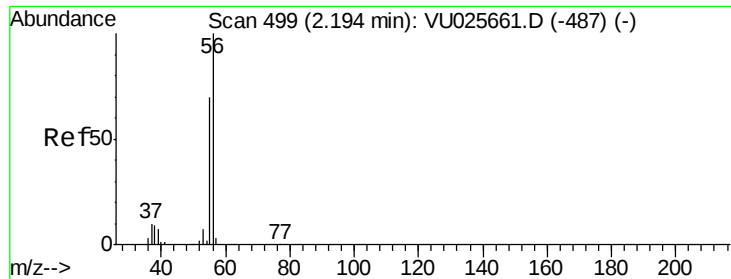


#12

1,1-Dichloroethene
 Concen: 19.33 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 96 Resp: 34805
 Ion Ratio Lower Upper
 96 100
 61 171.9 140.2 210.4
 98 65.5 49.3 73.9





#13

Acrolein

Concen: 80.80 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

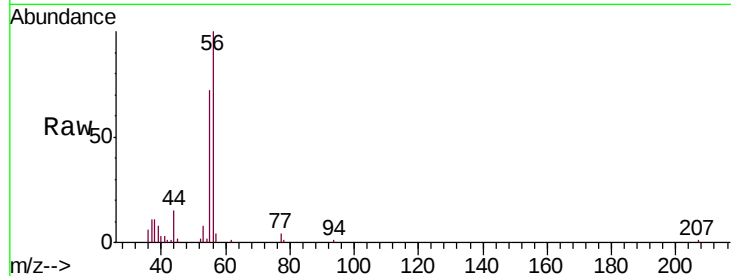
VU0727WBS02

Tot Ion: 56 Resp: 17025

Ion Ratio Lower Upper

56 100

55 76.6 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

12000

10000

8000

6000

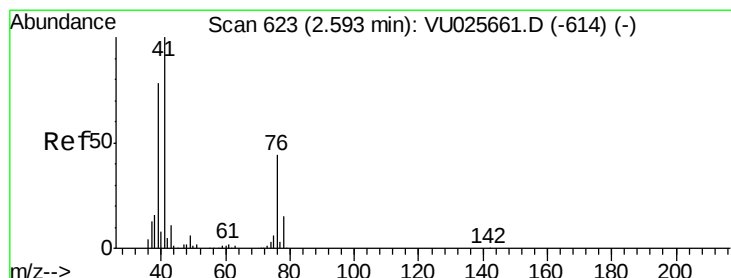
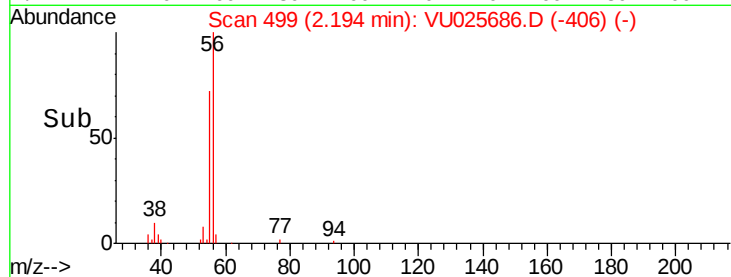
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 18.73 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

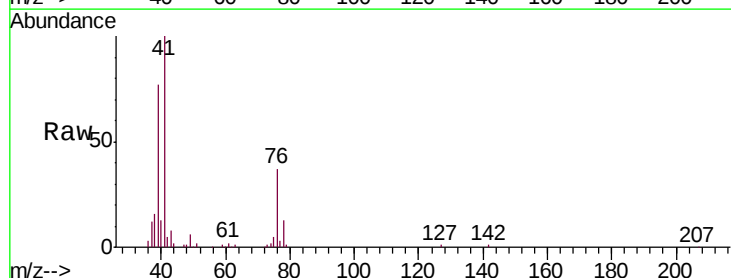
Tgt Ion: 41 Resp: 60608

Ion Ratio Lower Upper

41 100

39 74.2 60.6 91.0

76 36.2 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

2.59

40000

30000

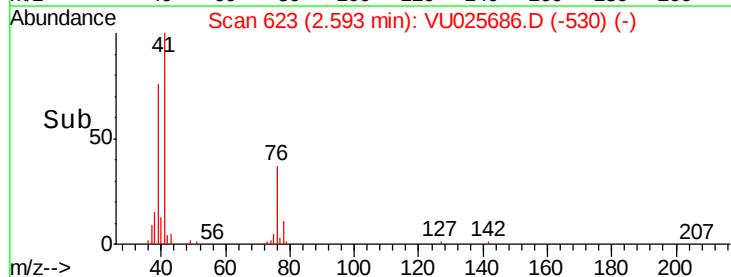
20000

10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 102.29 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

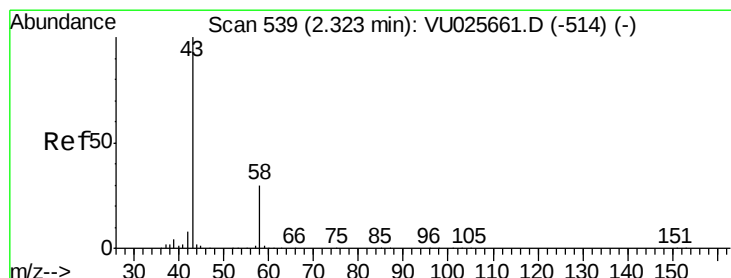
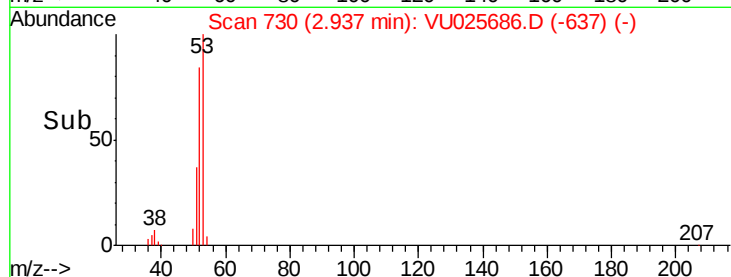
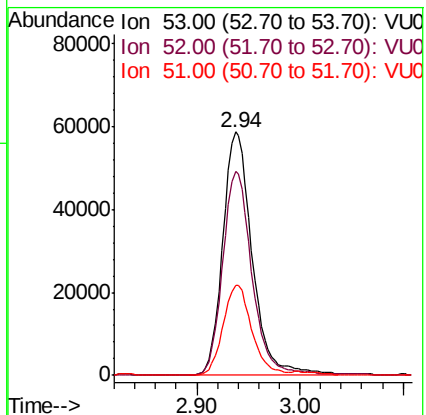
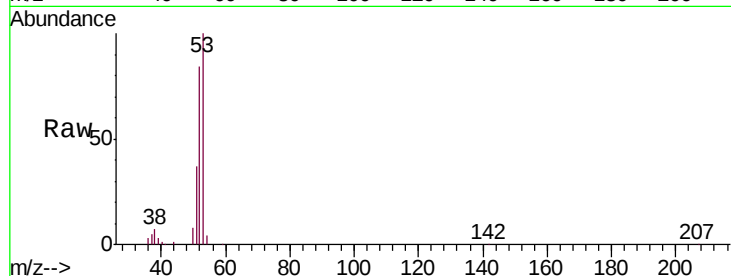
Tot Ion: 53 Resp: 116833

Ion Ratio Lower Upper

53 100

52 83.8 66.6 99.8

51 36.2 29.4 44.2



#16

Acetone

Concen: 86.36 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025686.D

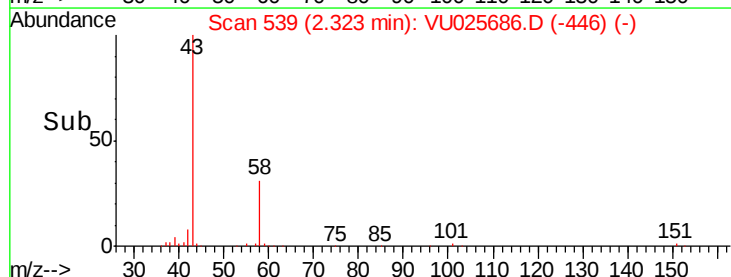
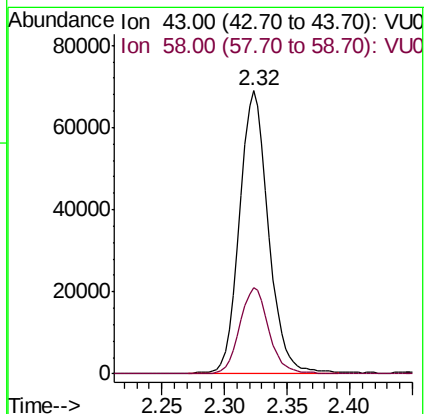
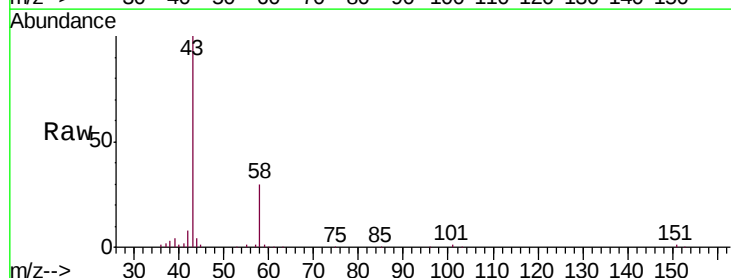
Acq: 27 Jul 2018 22:44

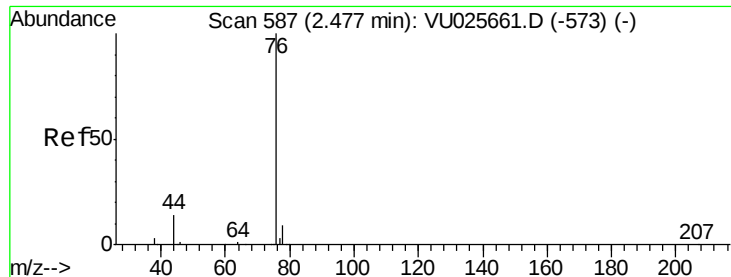
Tgt Ion: 43 Resp: 110016

Ion Ratio Lower Upper

43 100

58 30.5 23.1 34.7





#17

Carbon Disulfide

Concen: 19.18 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

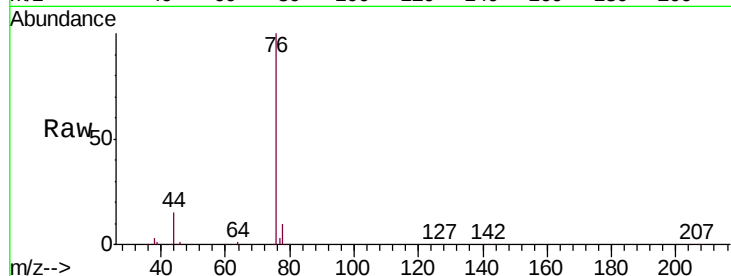
VU0727WBS02

Tot Ion: 76 Resp: 111744

Ion Ratio Lower Upper

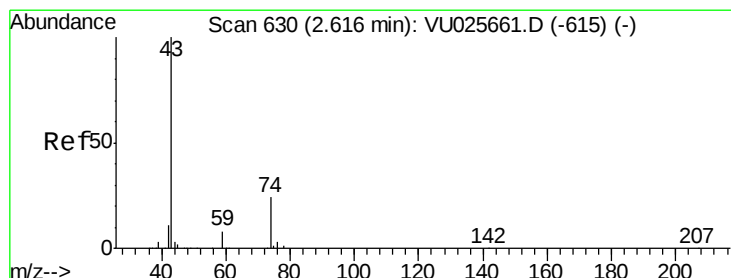
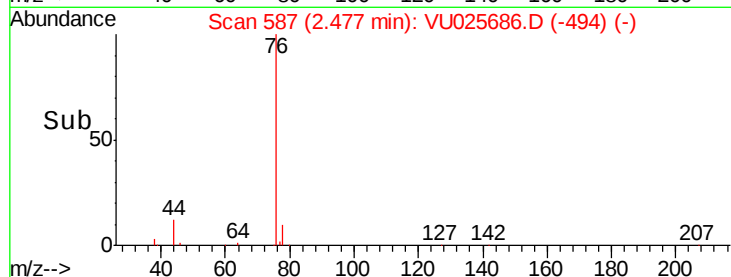
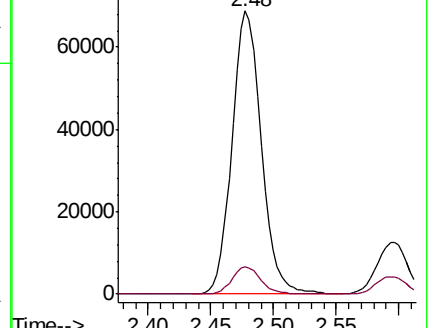
76 100

78 9.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025686.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025686.D (-494) (-)



#18

Methyl Acetate

Concen: 22.53 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025686.D

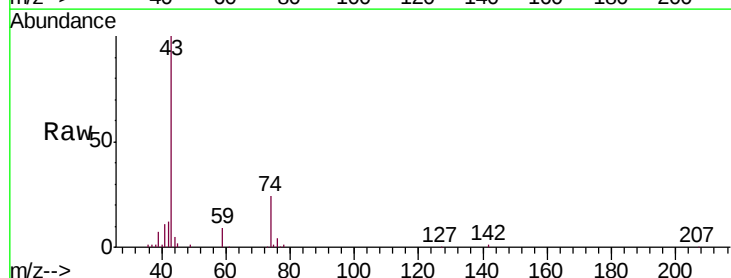
Acq: 27 Jul 2018 22:44

Tgt Ion: 43 Resp: 69092

Ion Ratio Lower Upper

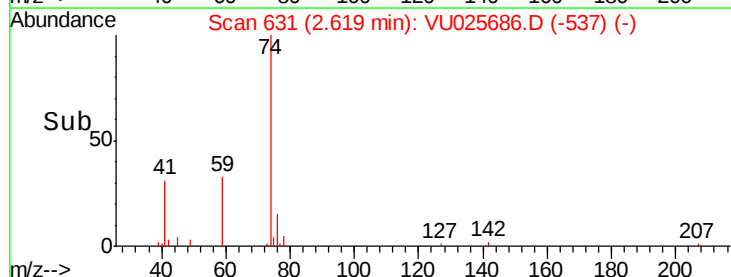
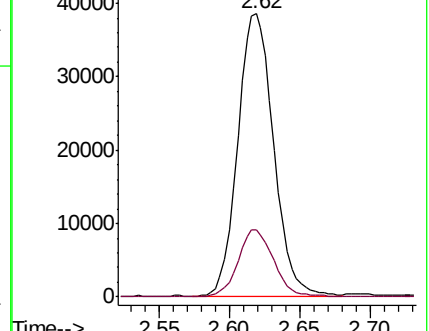
43 100

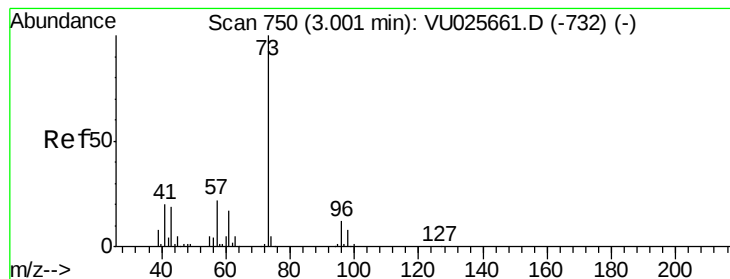
74 23.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025686.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025686.D (-537) (-)



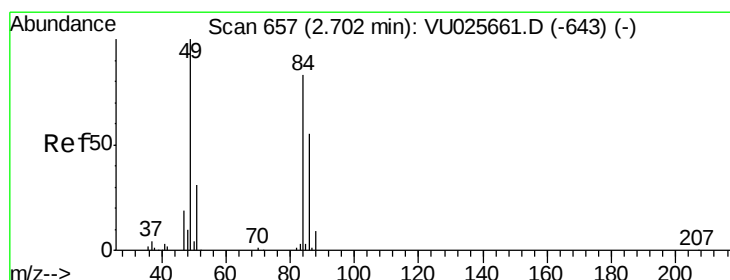
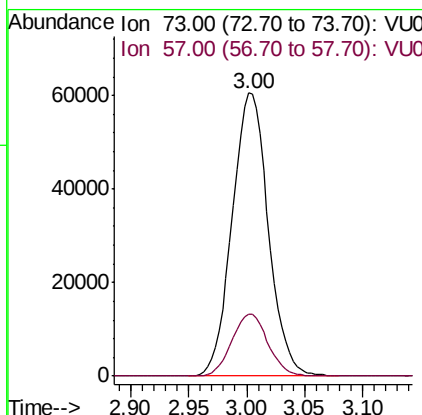
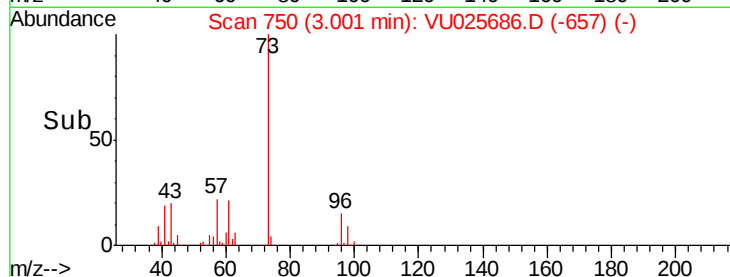
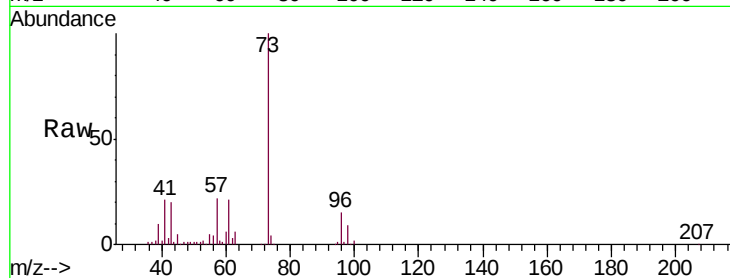


#19

Methyl tert-butyl Ether
 Concen: 20.10 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

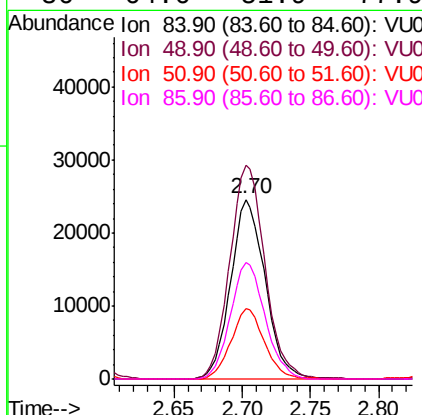
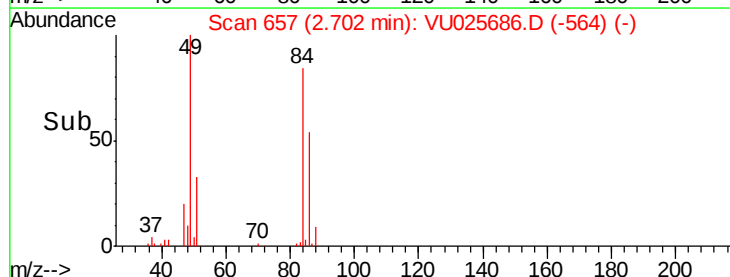
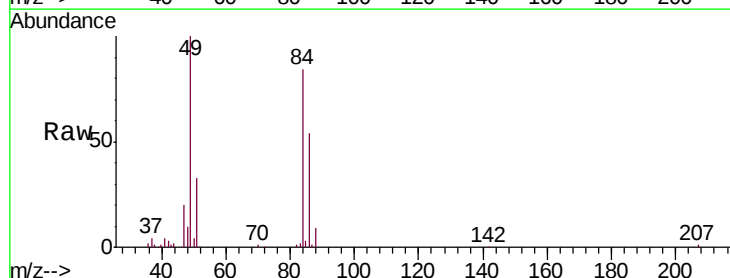
Tot Ion: 73 Resp: 131185
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.4 26.2

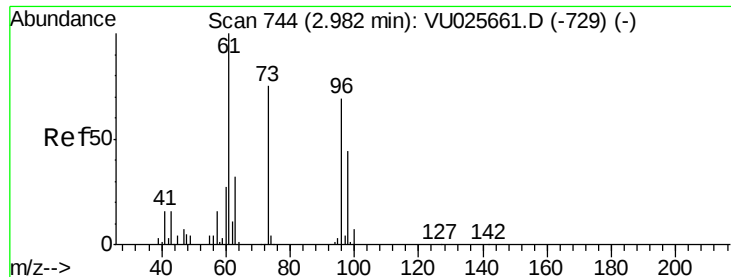


#20

Methylene Chloride
 Concen: 19.15 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 84 Resp: 43234
 Ion Ratio Lower Upper
 84 100
 49 119.0 101.8 152.6
 51 39.0 30.8 46.2
 86 64.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

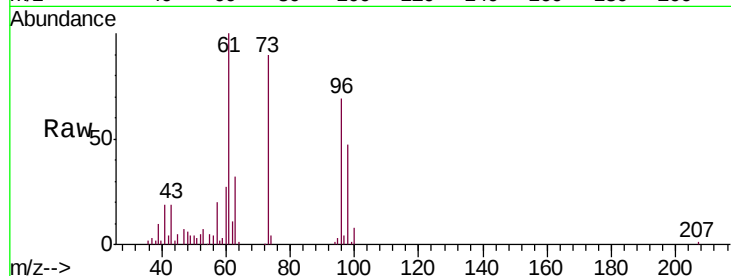
Tot Ion: 96 Resp: 41630

Ion Ratio Lower Upper

96 100

61 145.5 114.5 171.7

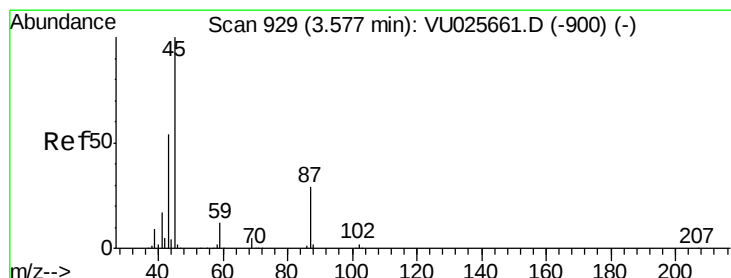
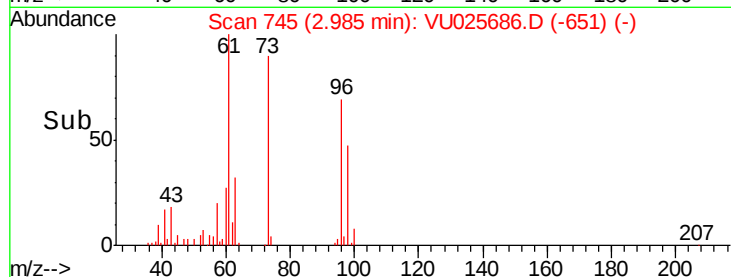
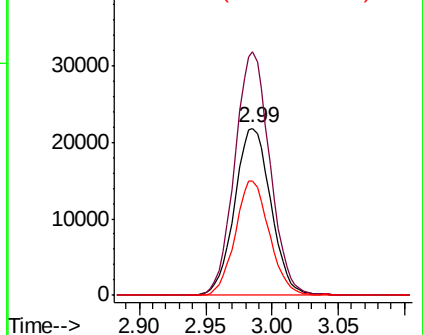
98 68.1 50.5 75.7



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: 20.47 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion: 45 Resp: 130528

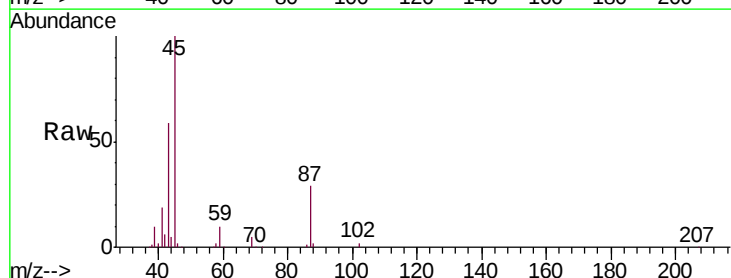
Ion Ratio Lower Upper

45 100

43 57.7 50.9 76.3

87 28.7 23.8 35.8

59 10.5 9.0 13.4

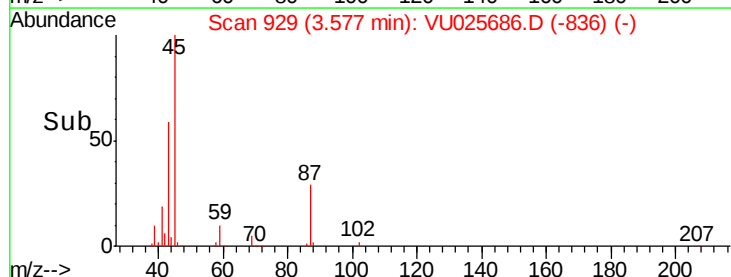
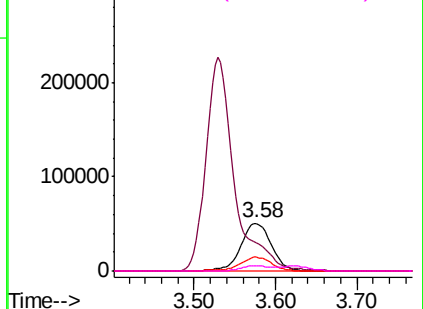


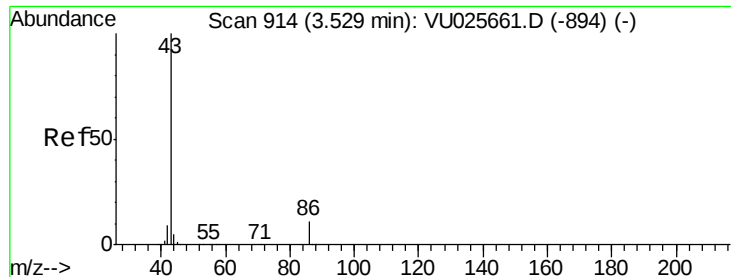
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 99.29 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

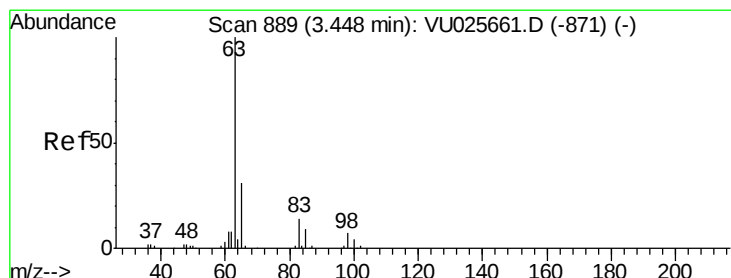
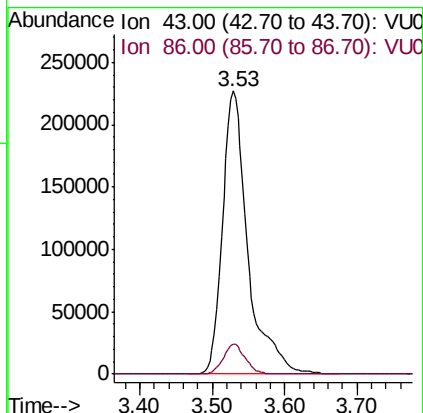
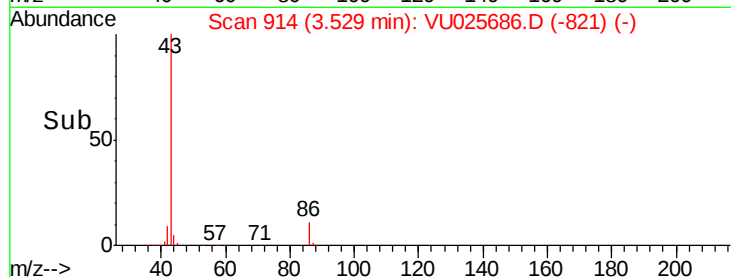
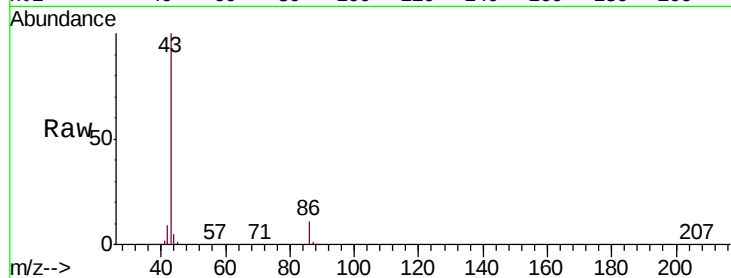
VU0727WBS02

Tot Ion: 43 Resp: 551746

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



#24

1,1-Dichloroethane

Concen: 20.12 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

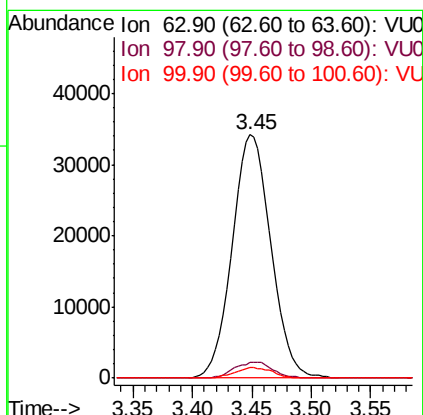
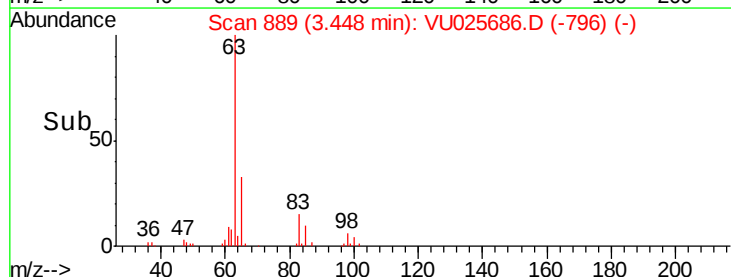
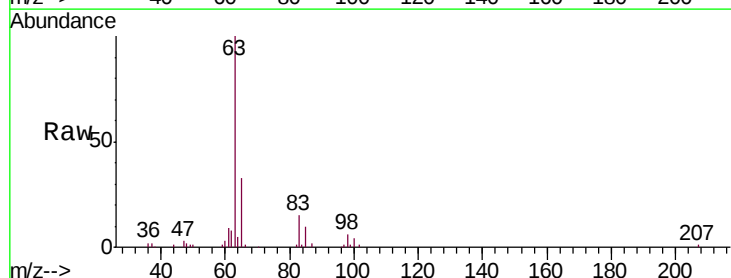
Tgt Ion: 63 Resp: 76996

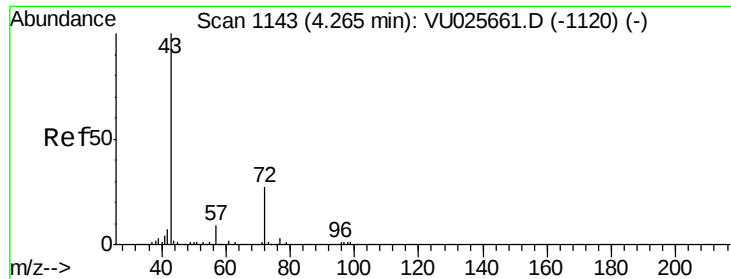
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.2 2.0 6.0

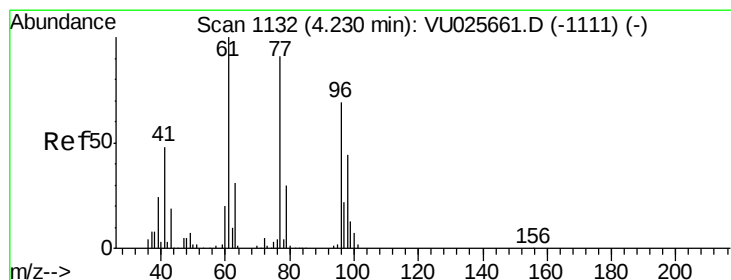
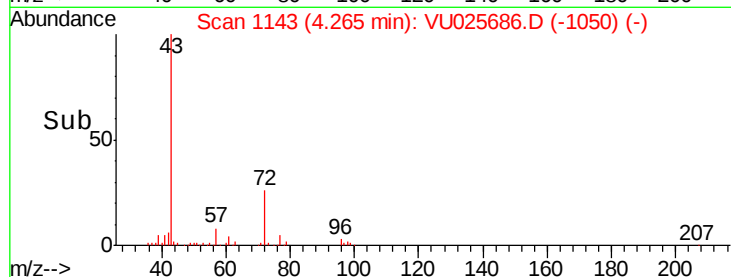
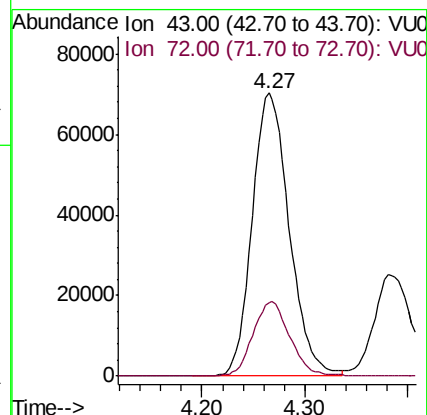
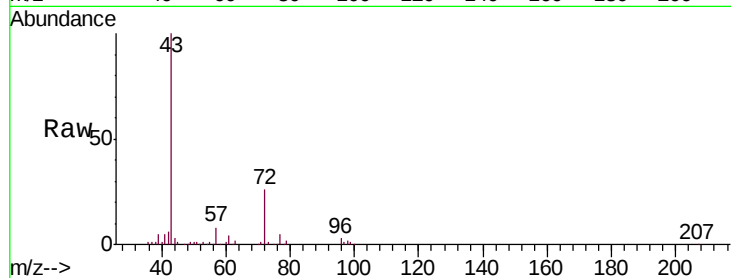




#25
2-Butanone
Concen: 101.10 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

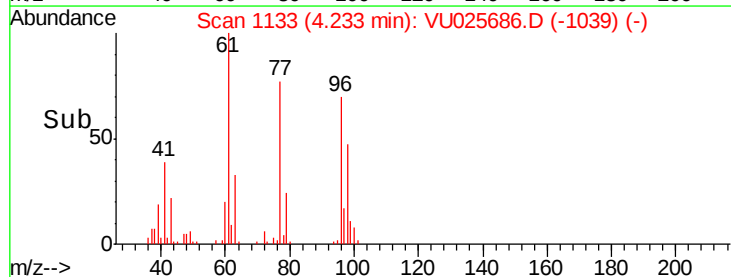
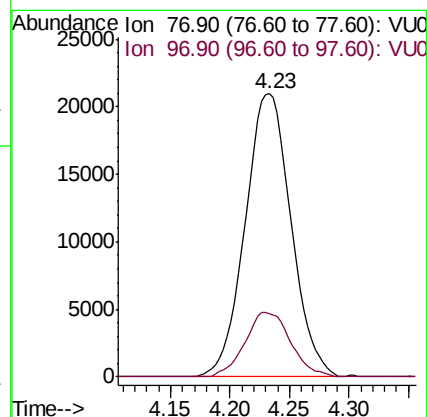
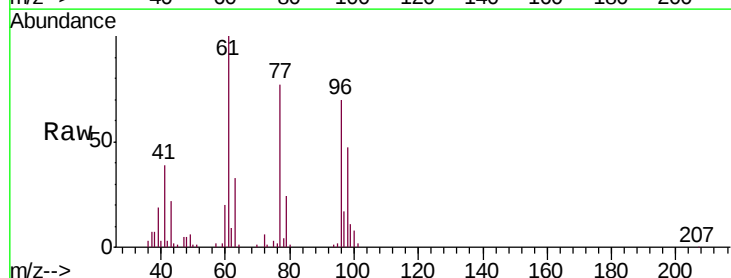
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

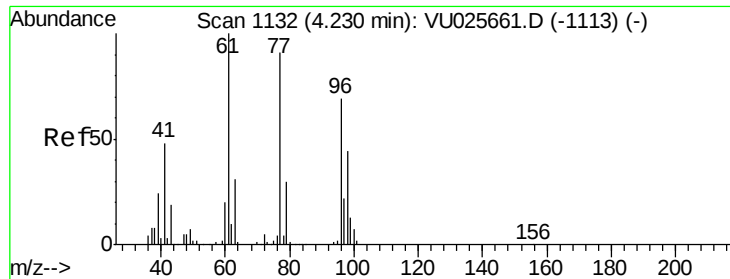
Tot Ion: 43 Resp: 175323
Ion Ratio Lower Upper
43 100
72 26.1 21.0 31.4



#26
2,2-Dichloropropane
Concen: 16.09 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 77 Resp: 55966
Ion Ratio Lower Upper
77 100
97 22.8 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.62 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

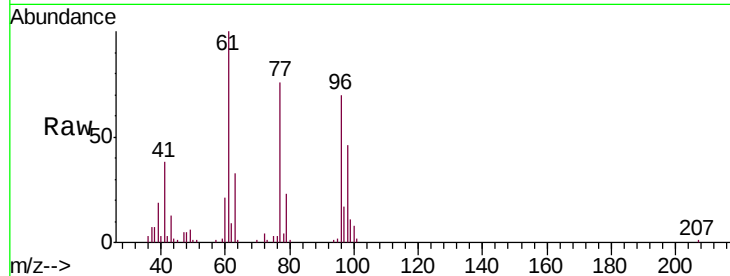
Tot Ion: 96 Resp: 46042

Ion Ratio Lower Upper

96 100

61 146.6 0.0 299.8

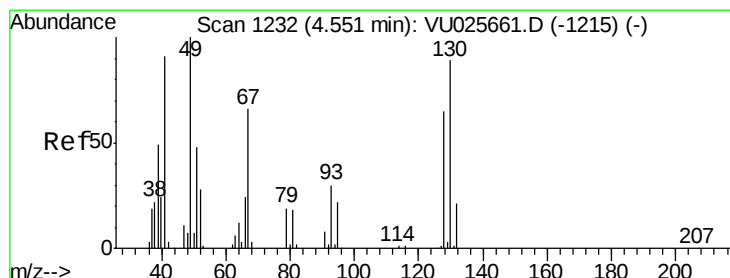
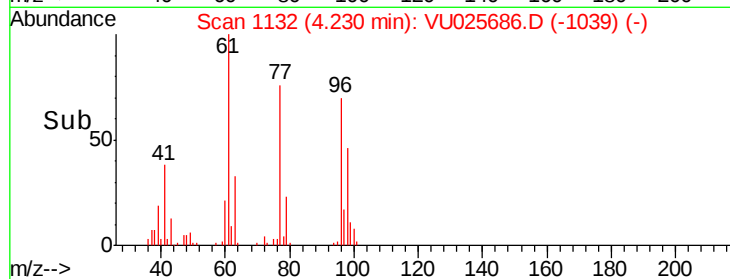
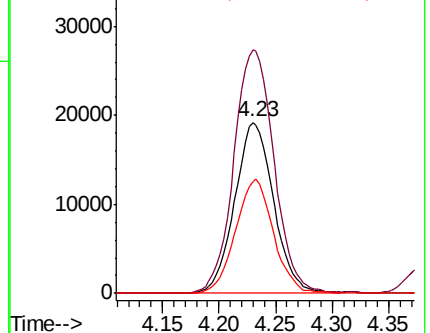
98 64.8 0.0 128.6



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: 20.37 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

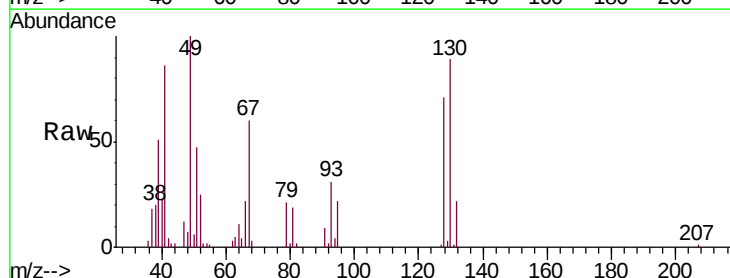
Tgt Ion: 49 Resp: 34869

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

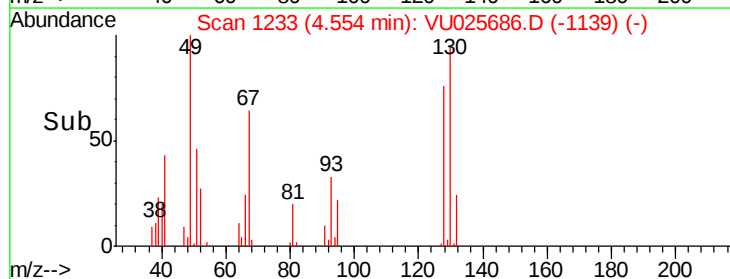
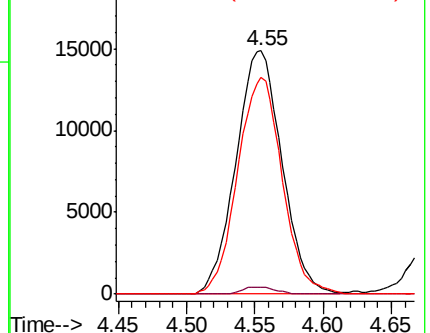
130 86.2 68.6 102.8

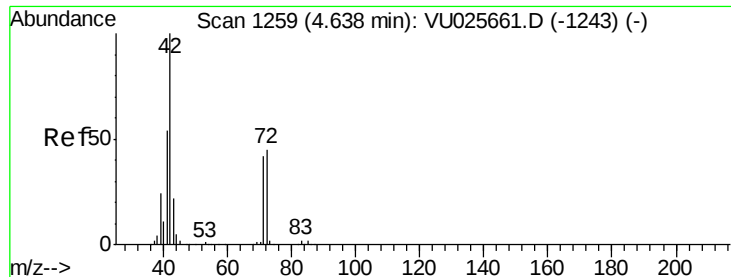


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

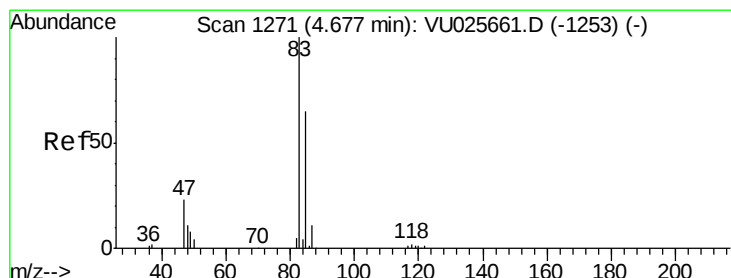
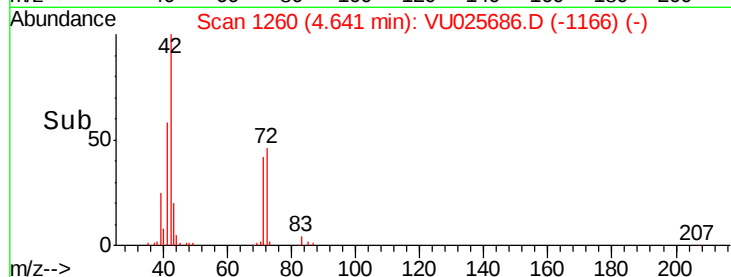
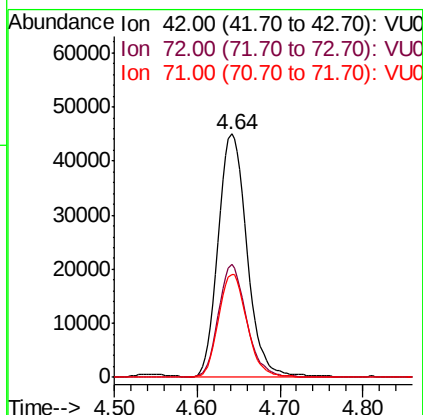
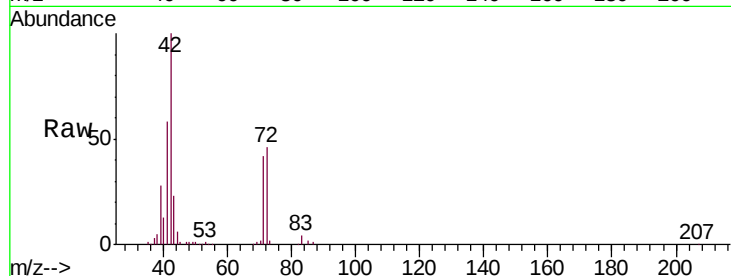




#29
Tetrahydrofuran
Concen: 104.47 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

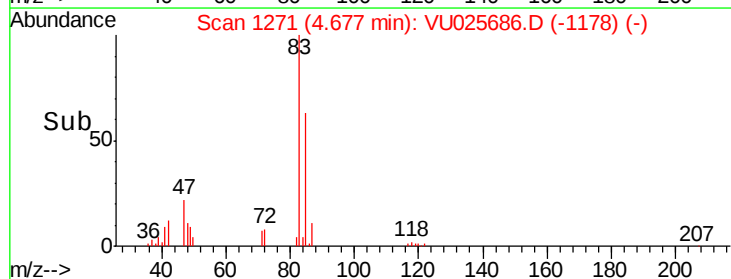
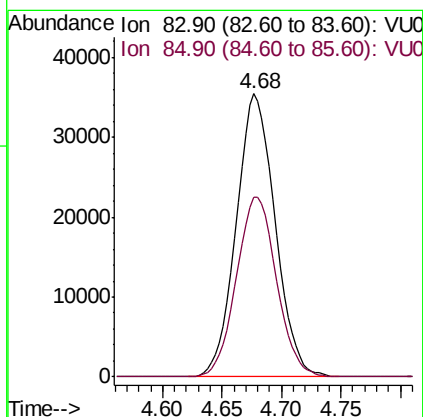
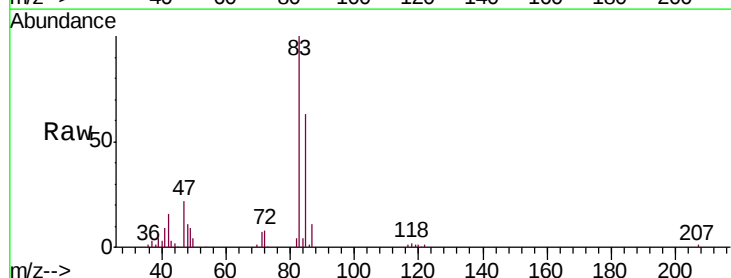
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

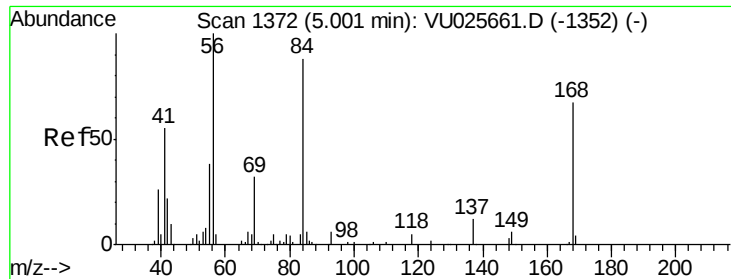
Tot Ion: 42 Resp: 108546
Ion Ratio Lower Upper
42 100
72 45.2 36.7 55.1
71 42.0 33.9 50.9



#30
Chloroform
Concen: 19.87 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 83 Resp: 80275
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3





#31

Cvclohexane

Concen: 19.74 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

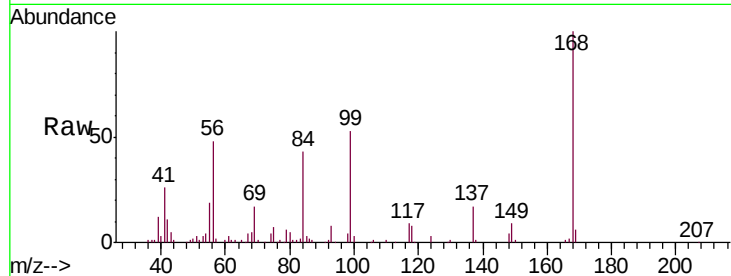
Tot Ion: 56 Resp: 68455

Ion Ratio Lower Upper

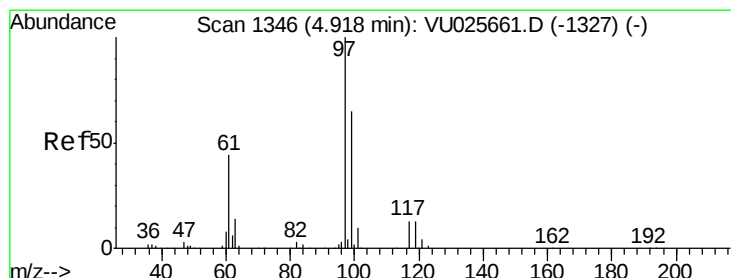
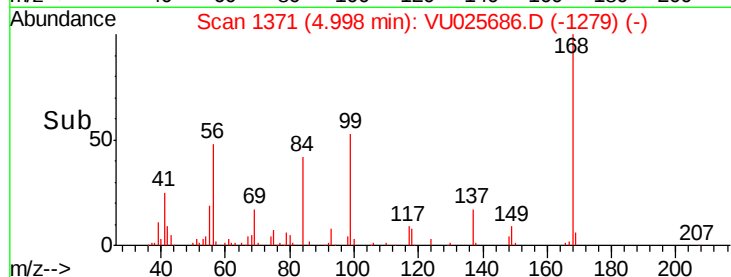
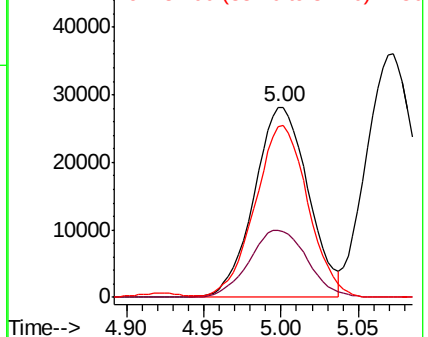
56 100

69 35.1 26.8 40.2

84 88.6 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: 20.17 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

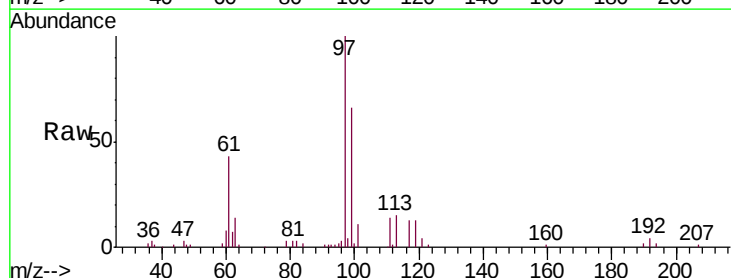
Tgt Ion: 97 Resp: 73381

Ion Ratio Lower Upper

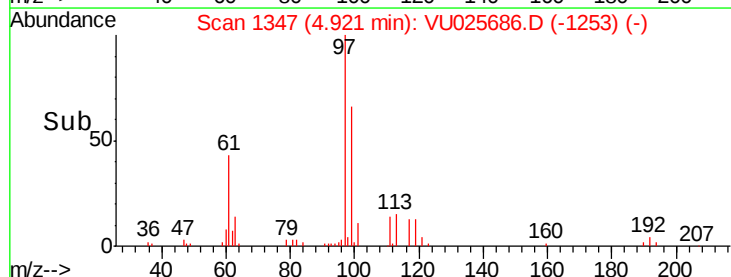
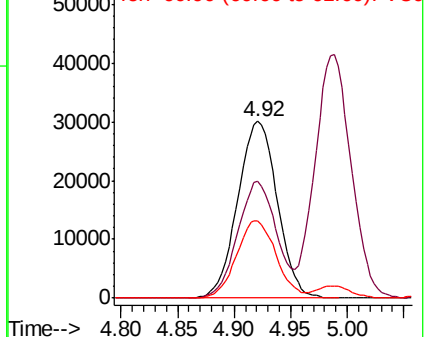
97 100

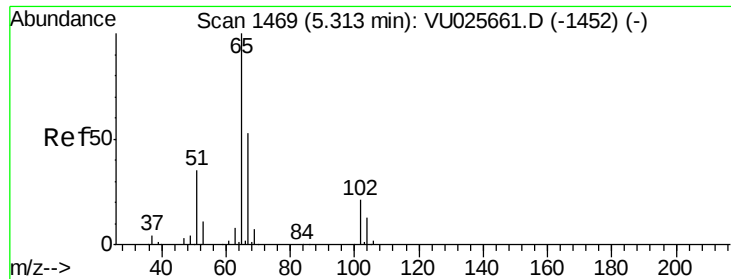
99 65.0 50.8 76.2

61 43.6 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: 51.16 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

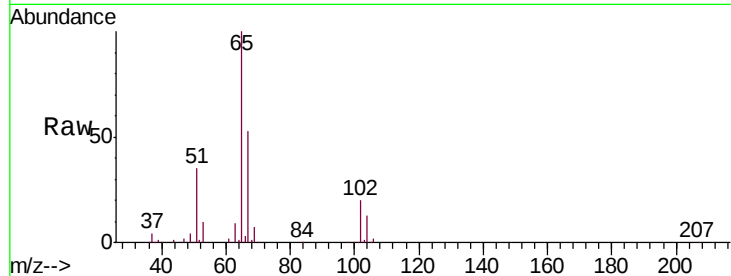
VU0727WBS02

Tot Ion: 65 Resp: 133677

Ion Ratio Lower Upper

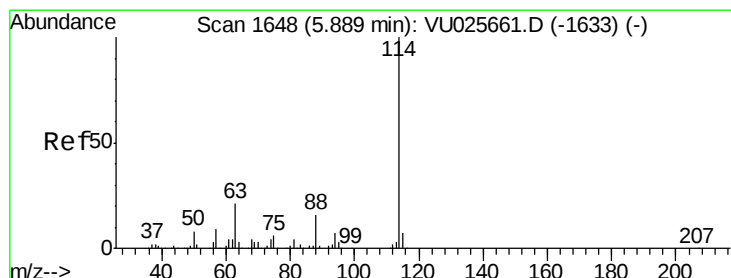
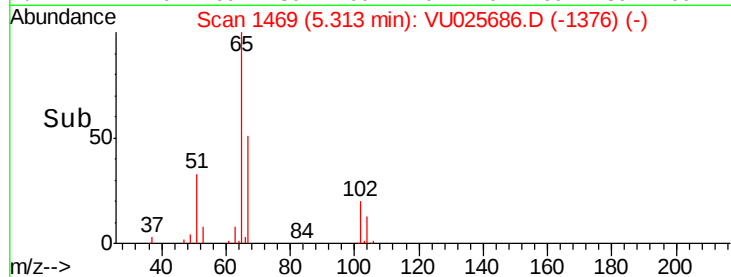
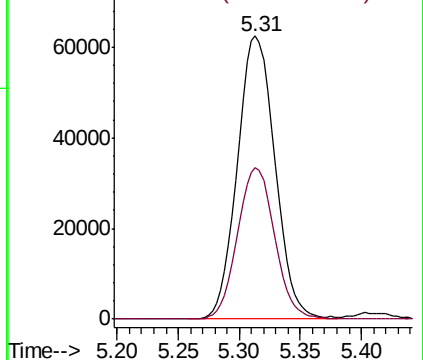
65 100

67 52.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

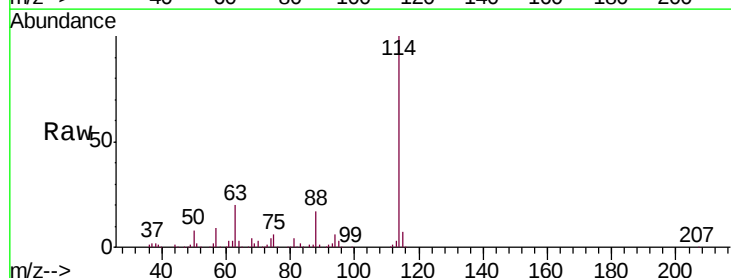
Tgt Ion: 114 Resp: 257689

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

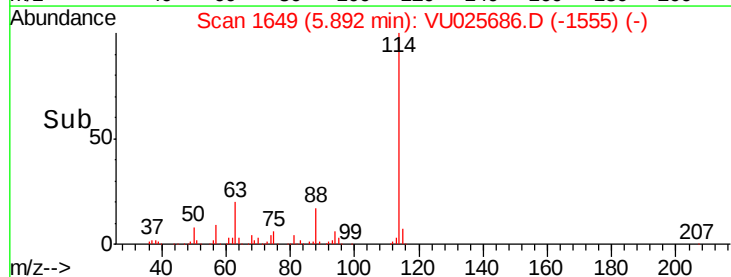
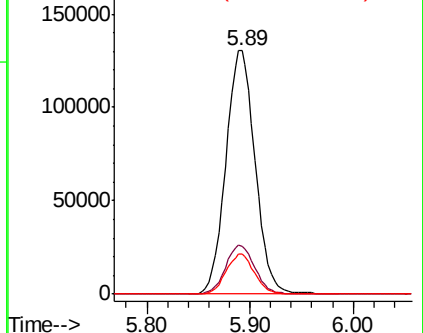
88 16.5 0.0 32.4

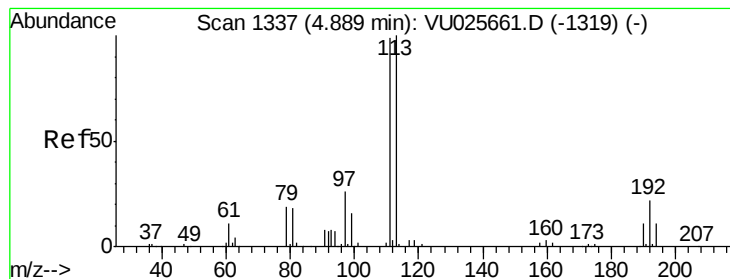


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 48.43 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

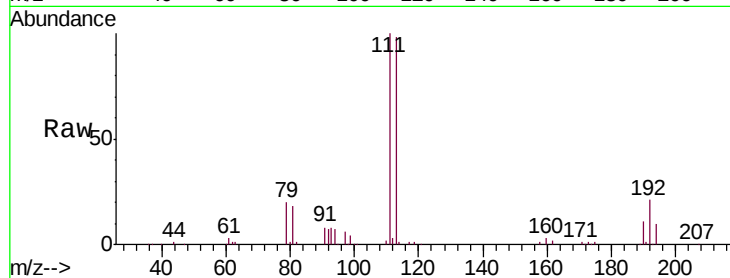
Tot Ion:113 Resp: 108535

Ion Ratio Lower Upper

113 100

111 101.2 81.7 122.5

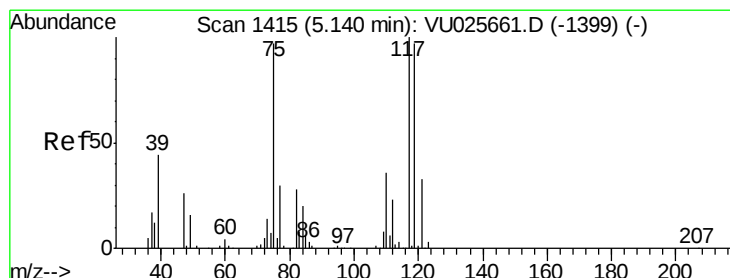
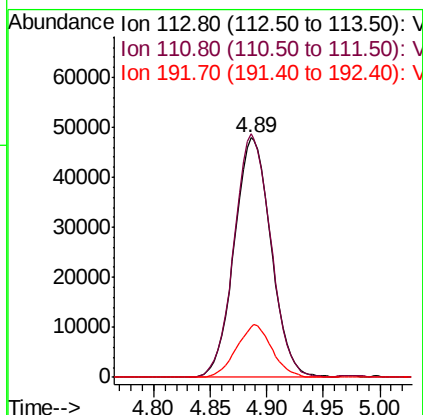
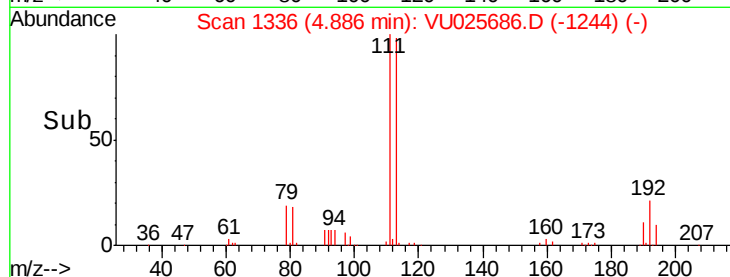
192 21.1 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.47 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

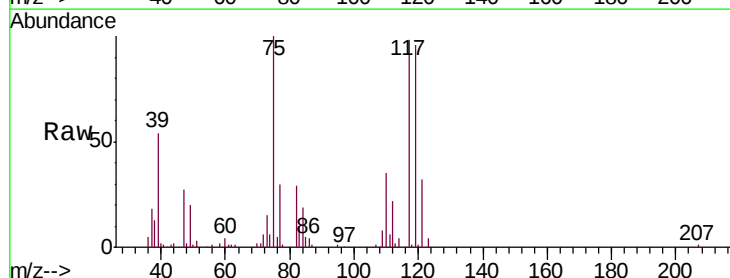
Tgt Ion: 75 Resp: 58633

Ion Ratio Lower Upper

75 100

110 36.5 17.6 52.9

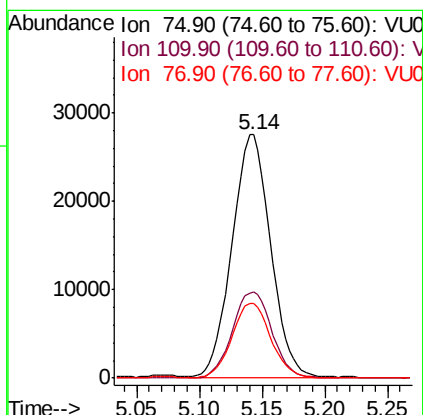
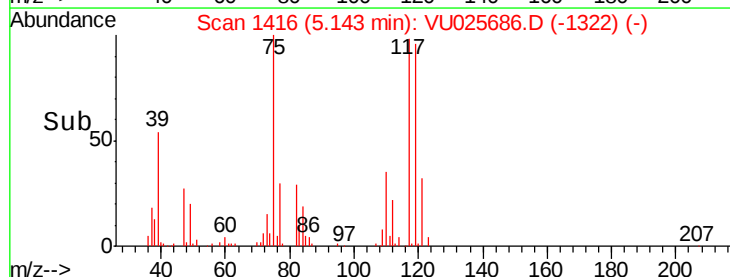
77 31.0 24.4 36.6

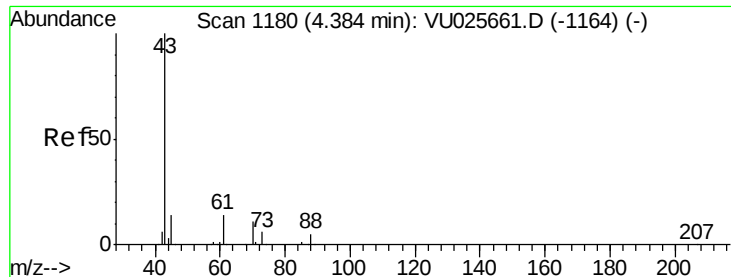


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

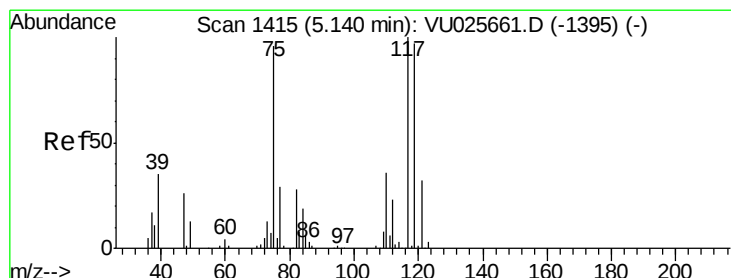
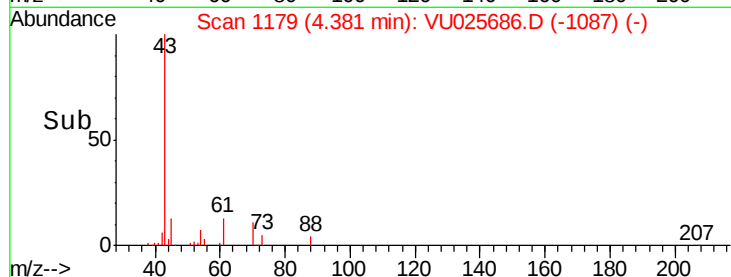
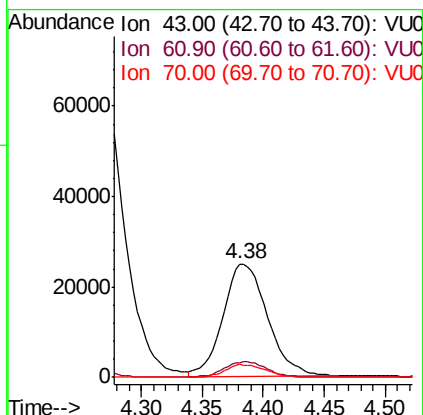
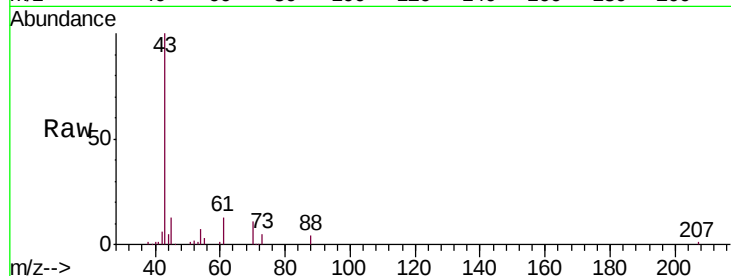




#37
Ethyl Acetate
Concen: 20.05 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

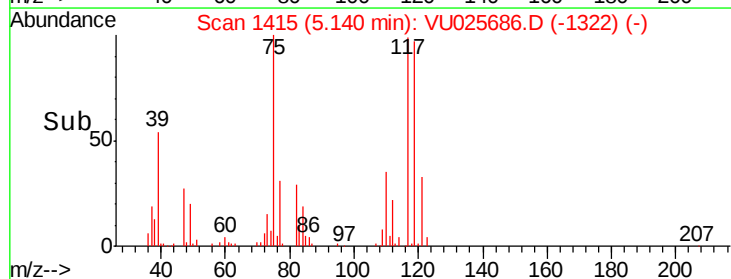
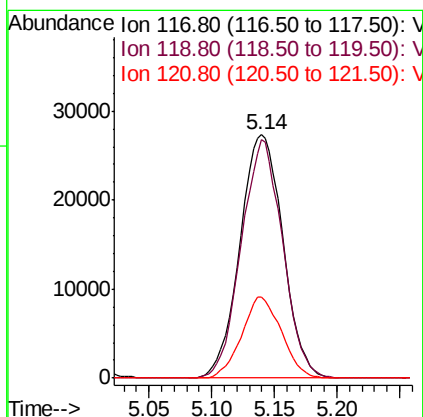
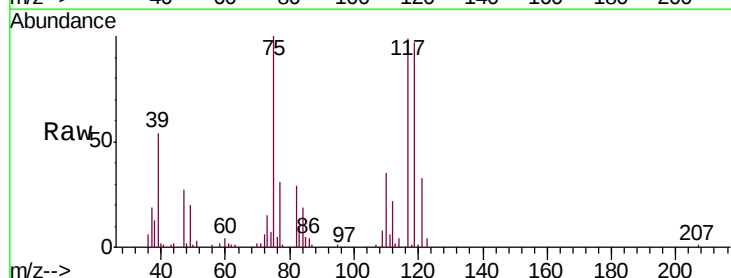
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

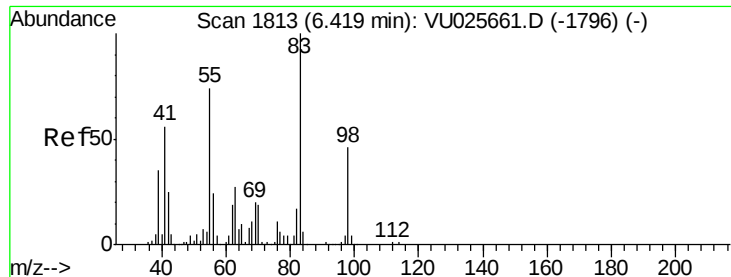
Tot Ion: 43 Resp: 62619
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.07 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 117 Resp: 65036
Ion Ratio Lower Upper
117 100
119 97.7 75.7 113.5
121 33.4 24.6 36.8

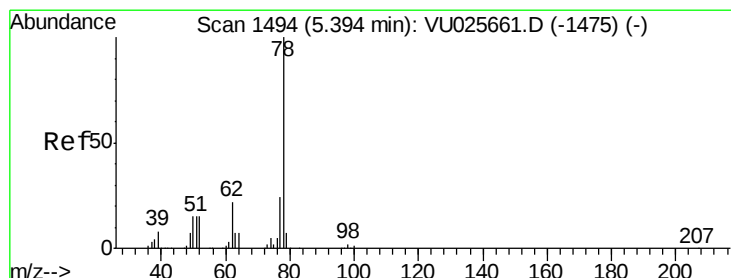
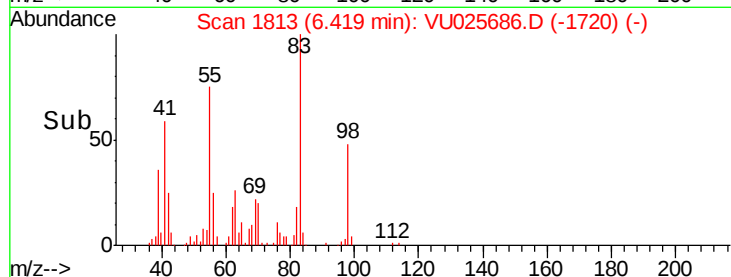
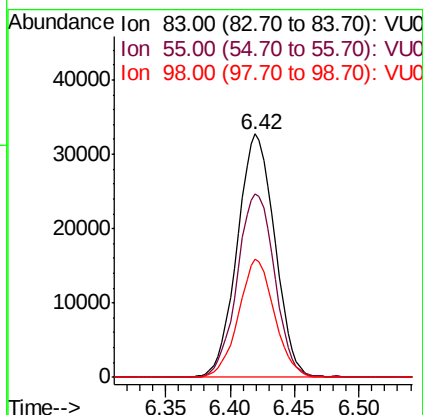
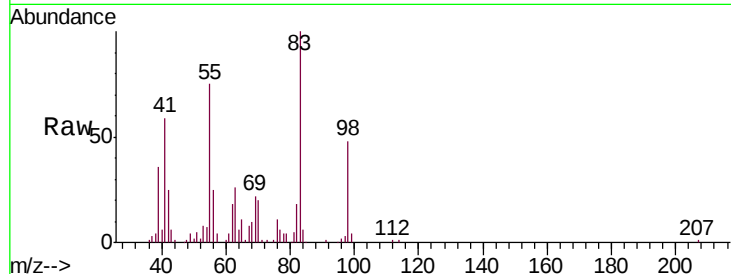




#39
Methvlcvclohexane
Concen: 19.25 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

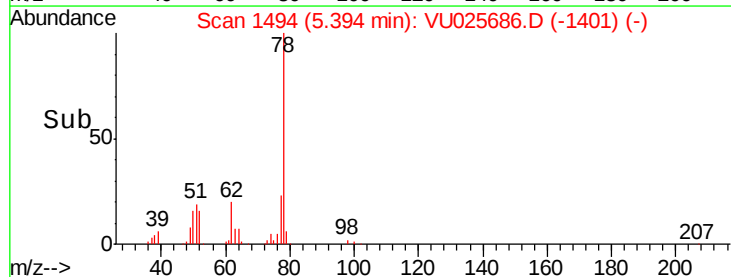
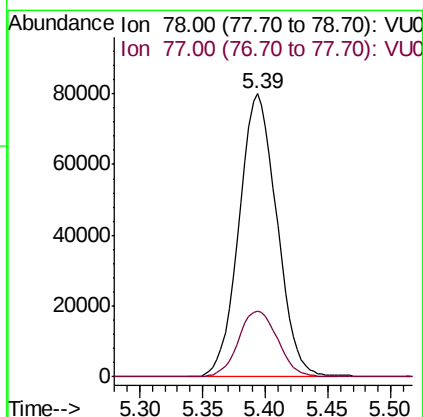
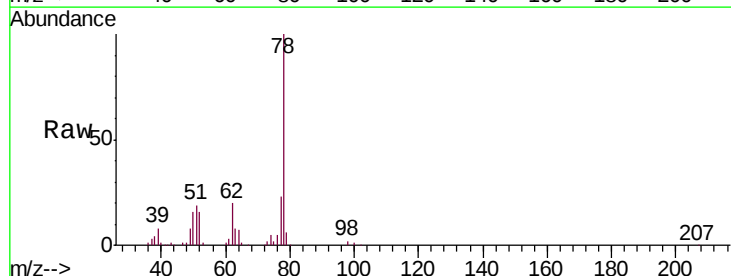
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

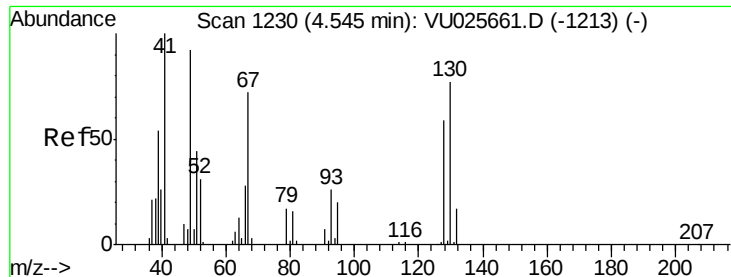
Tot Ion: 83 Resp: 66422
Ion Ratio Lower Upper
83 100
55 75.3 60.0 90.0
98 48.3 36.1 54.1



#40
Benzene
Concen: 19.01 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 78 Resp: 167345
Ion Ratio Lower Upper
78 100
77 23.2 19.8 29.6

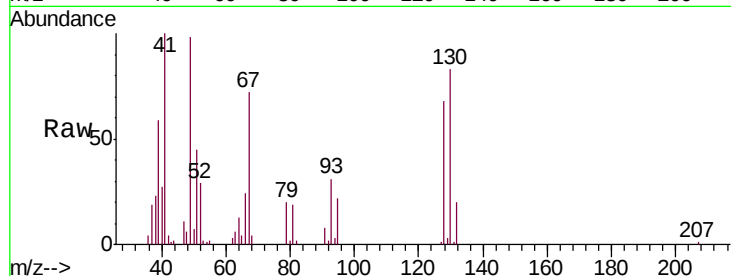




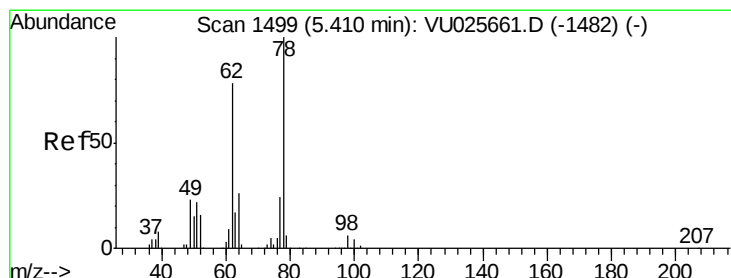
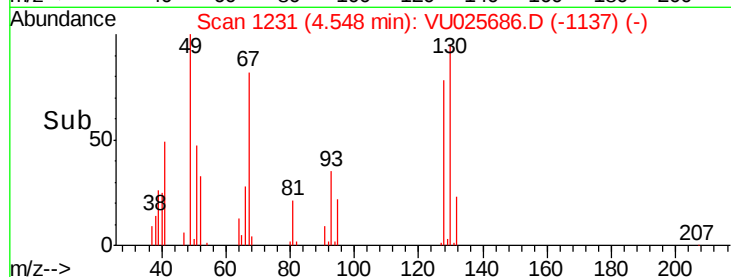
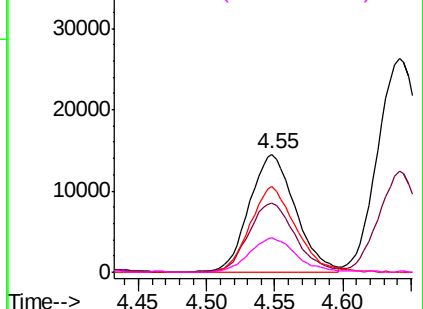
#41
Methacrylonitrile
Concen: 19.73 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion:	41	Resp:	34226
Ion	Ratio	Lower	Upper
41	100		
39	59.0	44.4	66.6
67	71.5	56.0	84.0
52	29.9	24.6	36.8

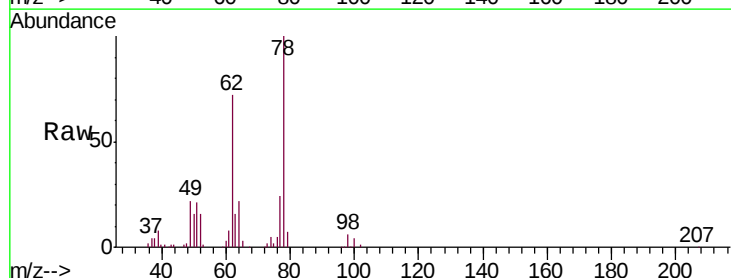


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

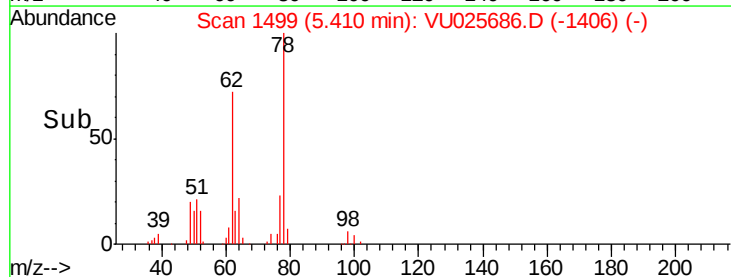
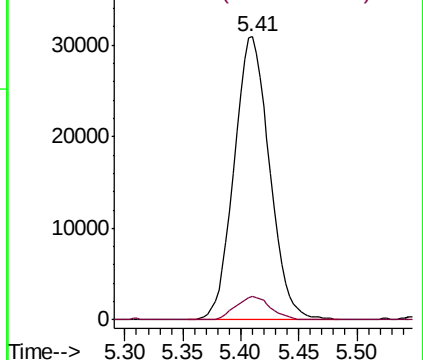


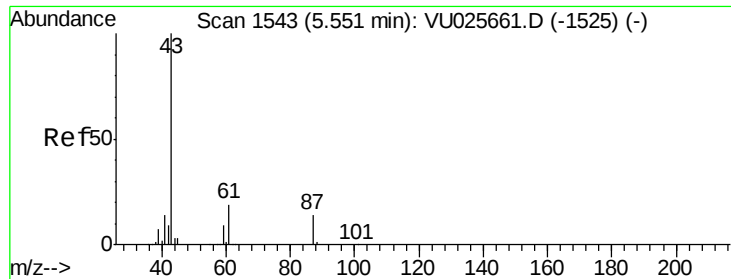
#42
1,2-Dichloroethane
Concen: 19.35 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion:	62	Resp:	65580
Ion	Ratio	Lower	Upper
62	100		
98	8.2	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: 19.51 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

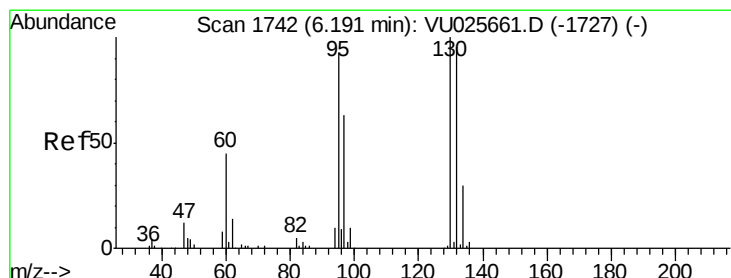
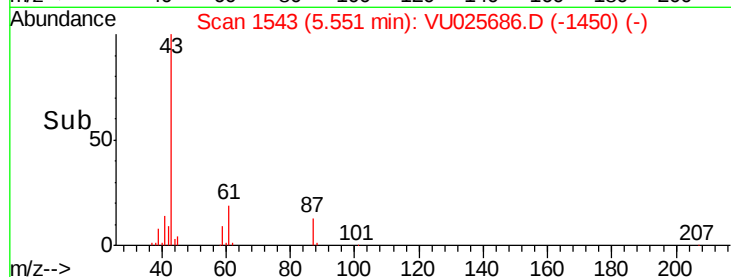
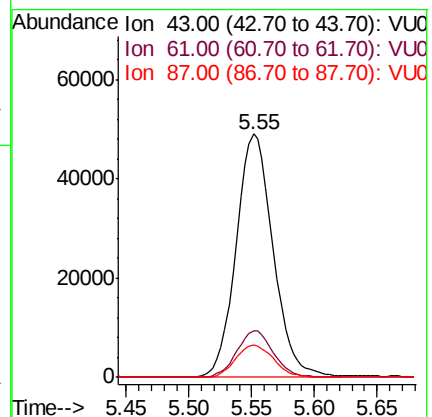
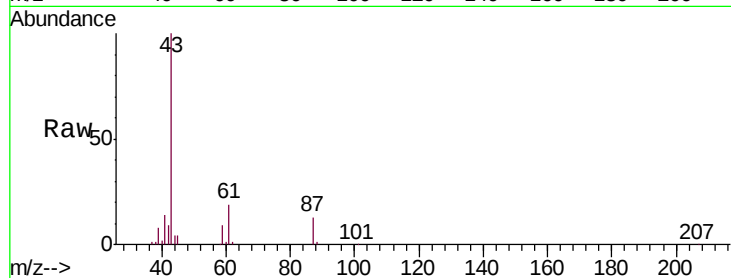
Tot Ion: 43 Resp: 100654

Ion Ratio Lower Upper

43 100

61 18.9 15.5 23.3

87 13.5 10.6 16.0



#44

Trichloroethene

Concen: 18.96 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025686.D

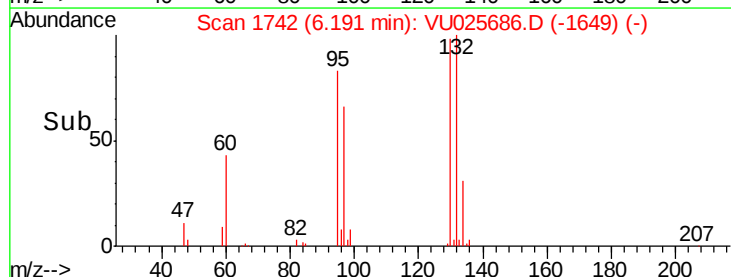
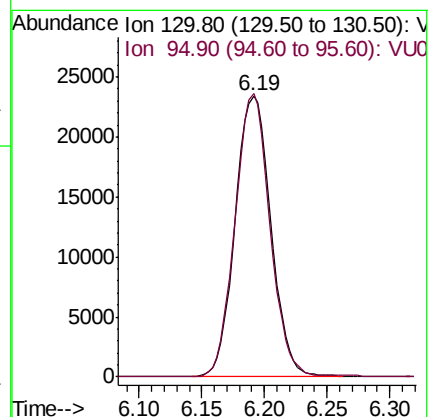
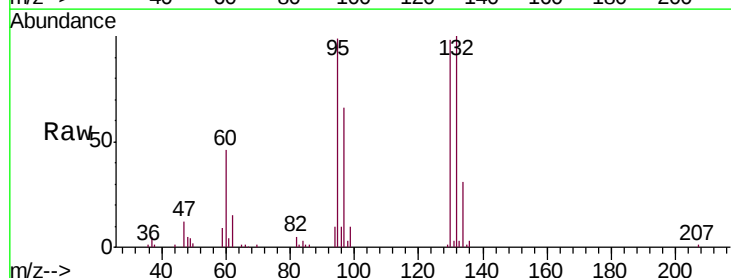
Acq: 27 Jul 2018 22:44

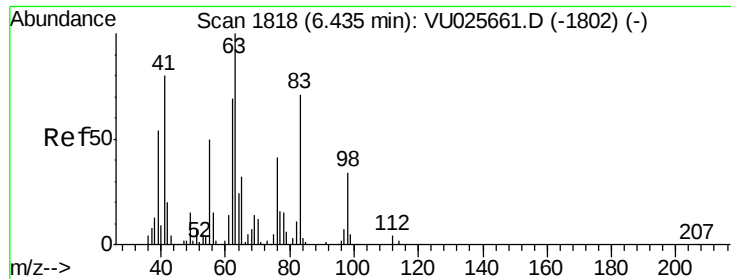
Tgt Ion:130 Resp: 46468

Ion Ratio Lower Upper

130 100

95 100.8 0.0 192.2





#45

1,2-Dichloropropane

Concen: 19.20 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

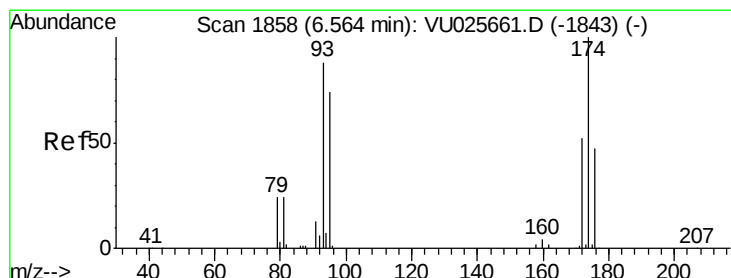
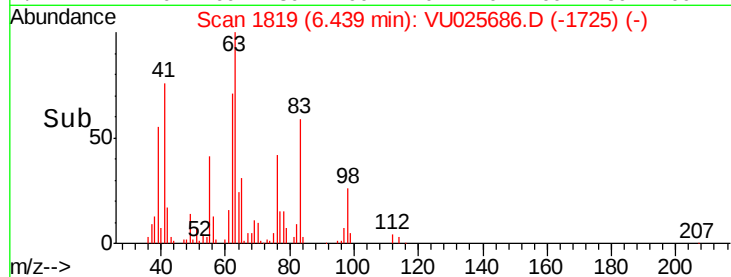
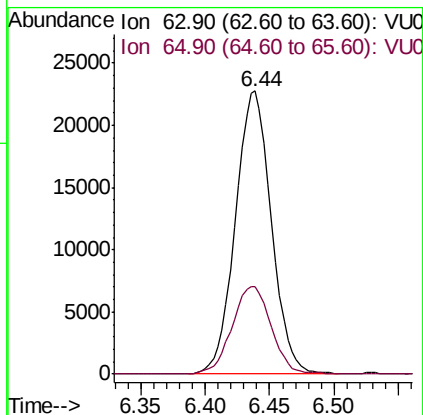
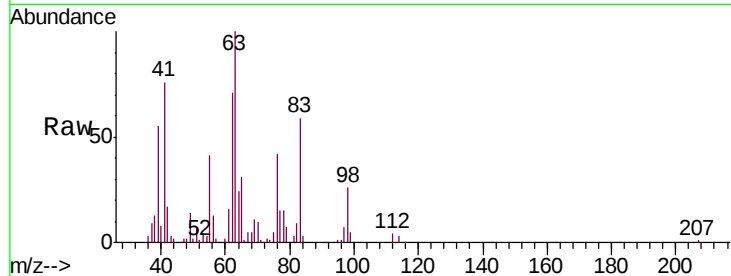
VU0727WBS02

Tot Ion: 63 Resp: 44069

Ion Ratio Lower Upper

63 100

65 30.9 26.1 39.1



#46

Dibromomethane

Concen: 19.09 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

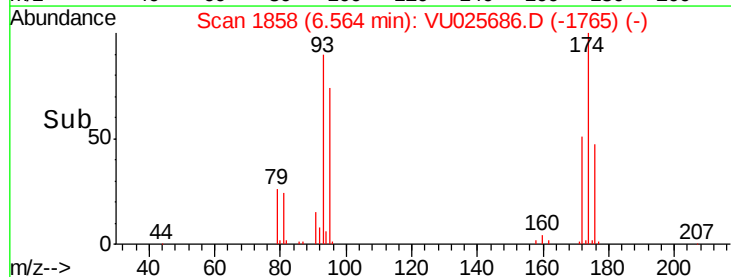
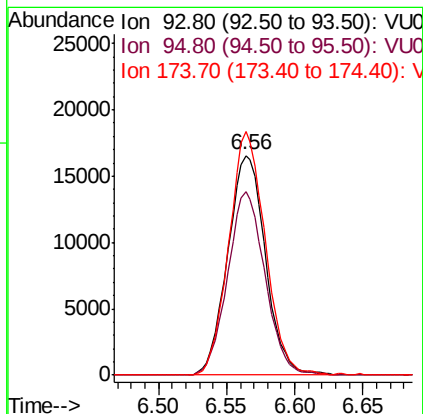
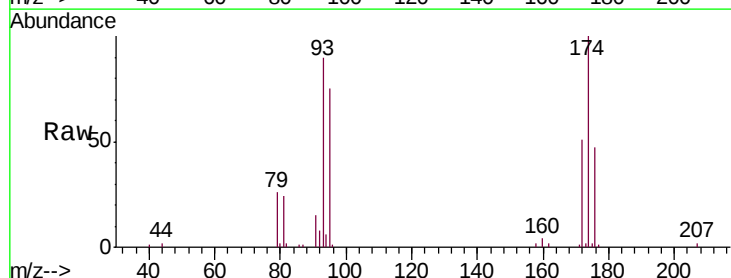
Tgt Ion: 93 Resp: 31763

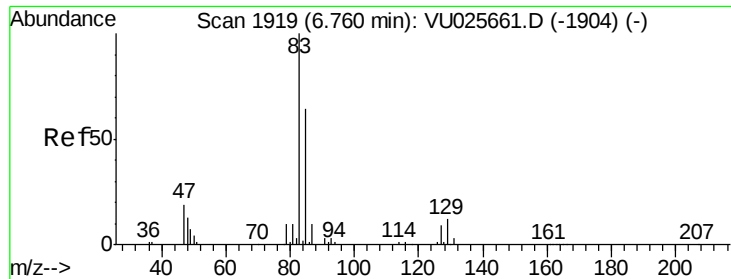
Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 107.1 85.8 128.8

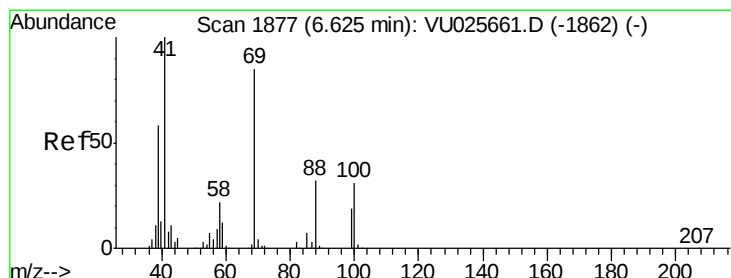
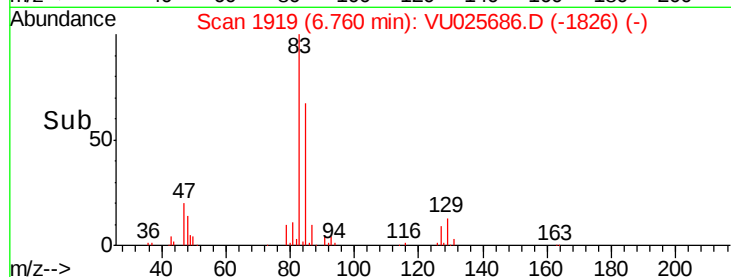
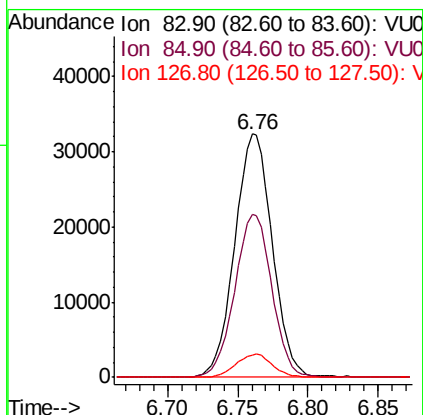
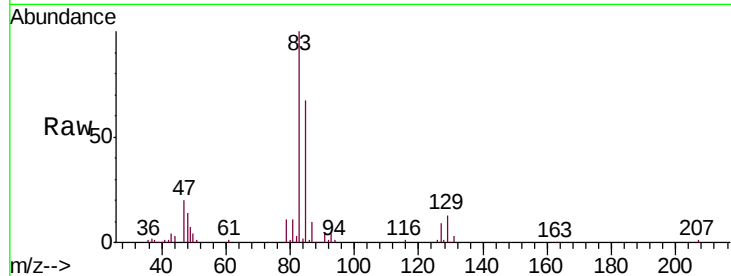




#47
Bromodichloromethane
Concen: 19.01 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

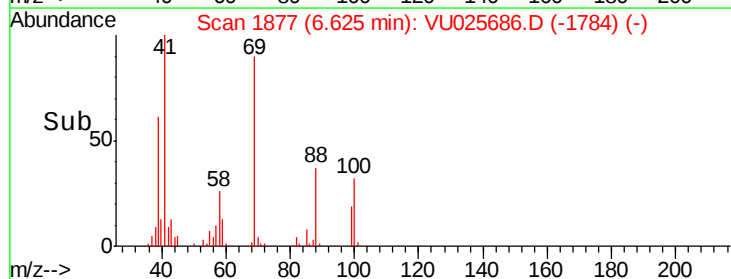
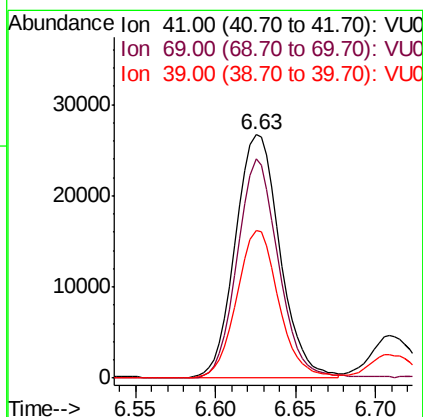
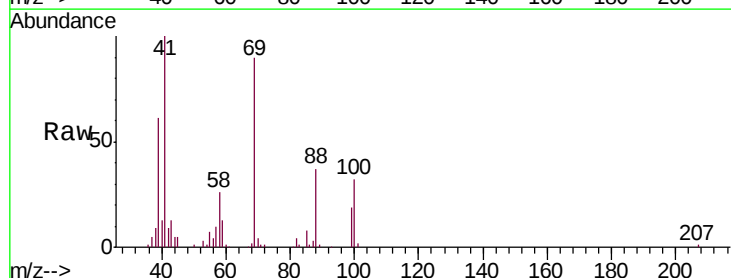
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

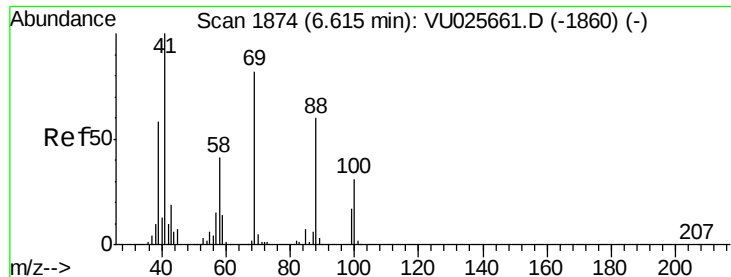
Tot Ion	83	Resp	60336
Ion Ratio	Lower	Upper	
83	100		
85	66.8	50.2	75.4
127	9.1	7.2	10.8



#48
Methyl methacrylate
Concen: 20.13 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	41	Resp	50907
Ion Ratio	Lower	Upper	
41	100		
69	83.1	65.0	97.4
39	57.2	46.4	69.6

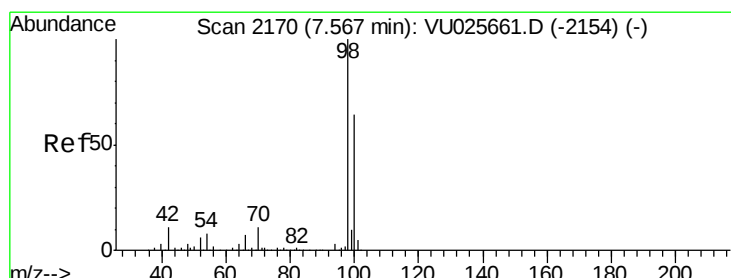
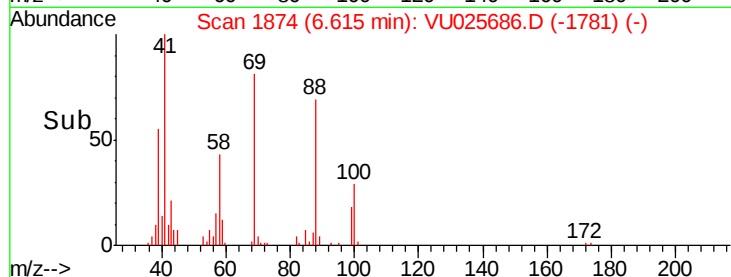
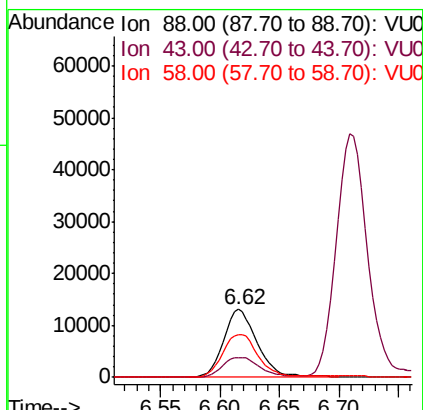
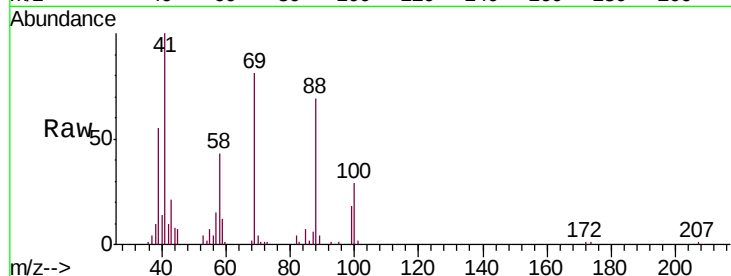




#49
1,4-Dioxane
Concen: 418.68 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

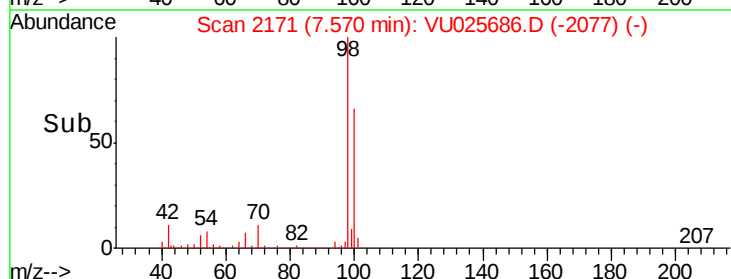
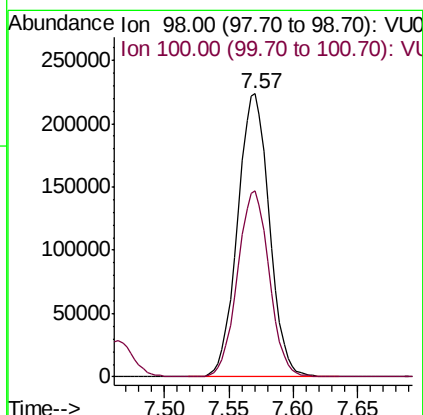
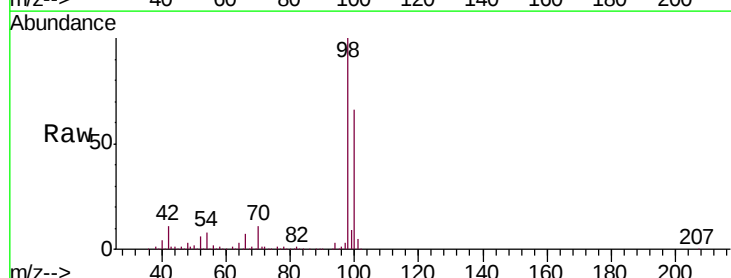
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

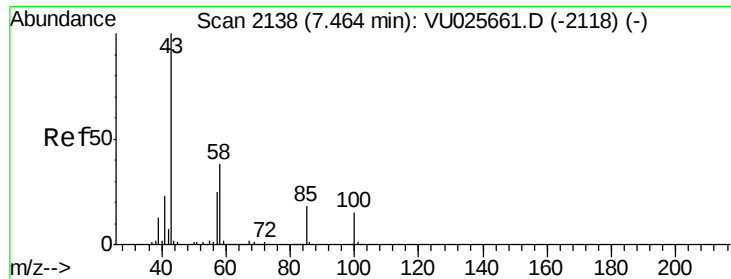
Tot Ion: 88 Resp: 25767
Ion Ratio Lower Upper
88 100
43 33.0 27.3 40.9
58 65.5 57.6 86.4



#50
Toluene-d8
Concen: 48.93 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 98 Resp: 383723
Ion Ratio Lower Upper
98 100
100 65.4 51.1 76.7

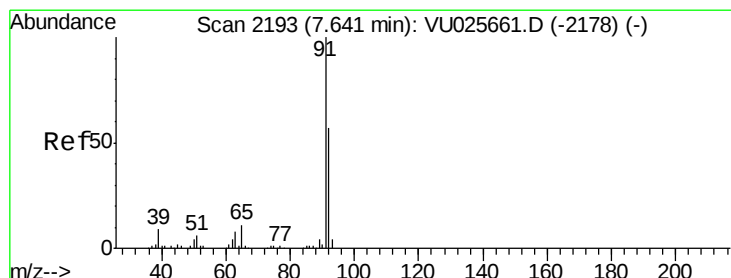
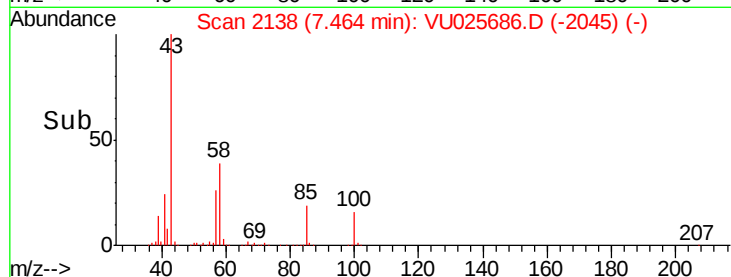
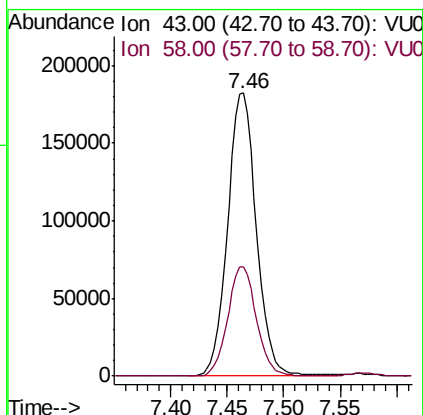
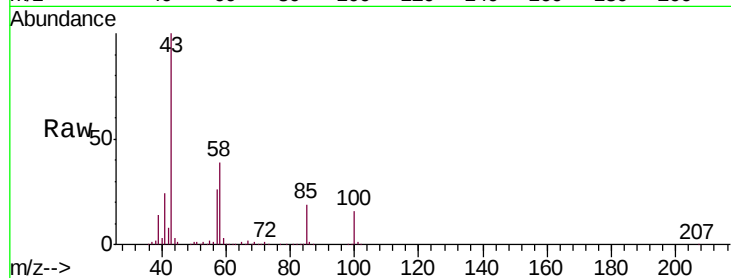




#51
 4-Methyl-2-Pentanone
 Concen: 100.02 ug/l
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

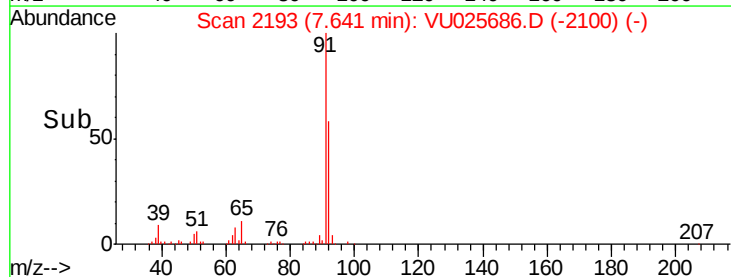
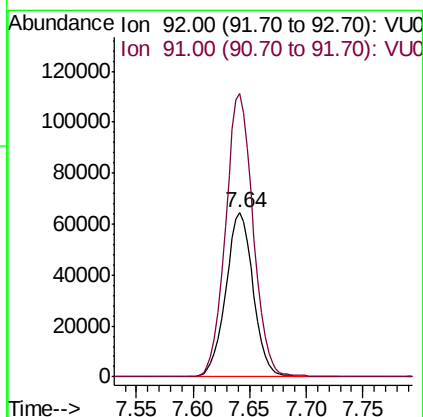
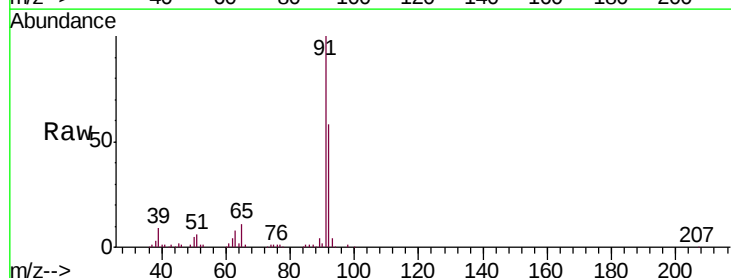
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

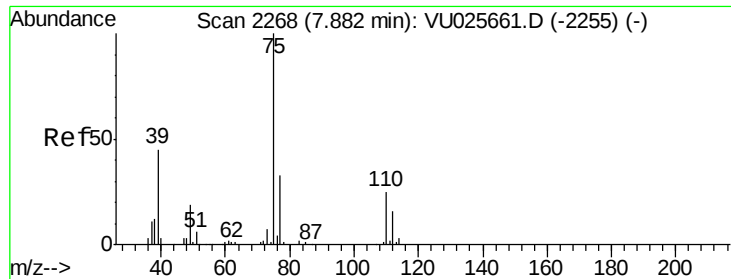
Tot Ion: 43 Resp: 323107
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.0 46.4



#52
 Toluene
 Concen: 19.87 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 92 Resp: 108662
 Ion Ratio Lower Upper
 92 100
 91 173.3 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 18.40 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

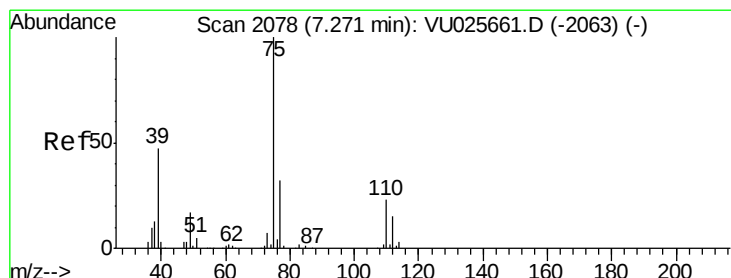
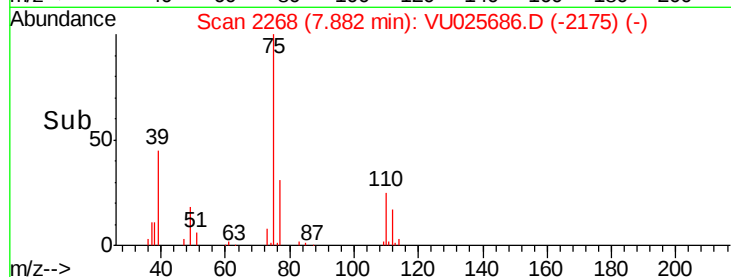
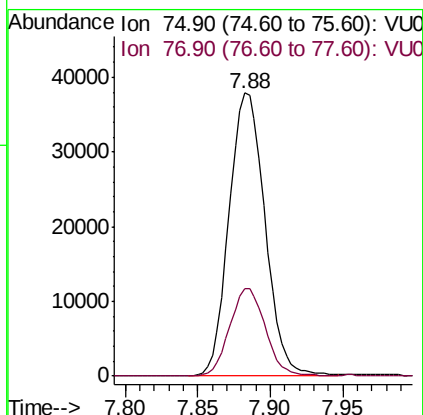
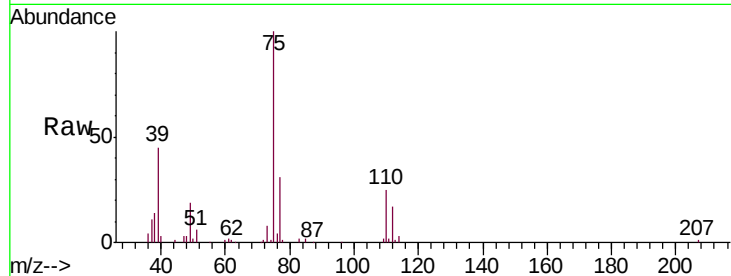
VU0727WBS02

Tot Ion: 75 Resp: 65566

Ion Ratio Lower Upper

75 100

77 31.1 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 18.68 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

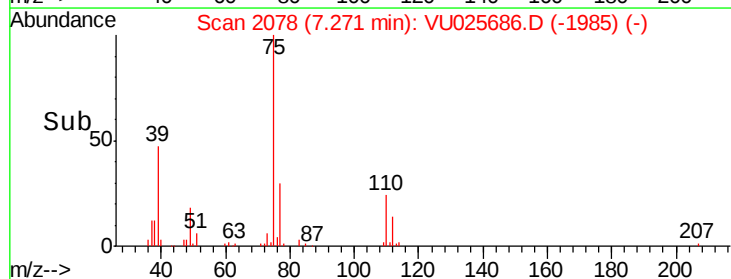
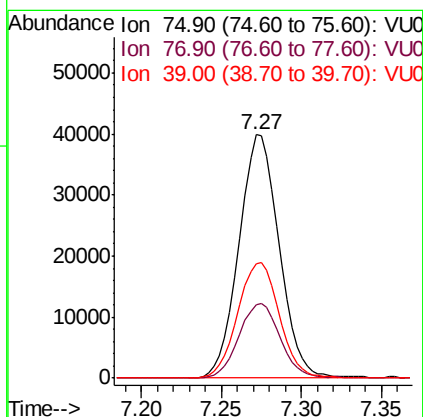
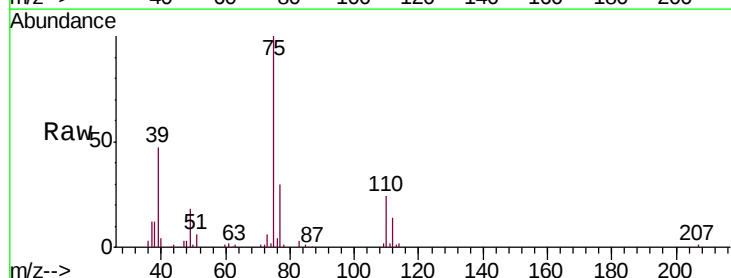
Tgt Ion: 75 Resp: 68383

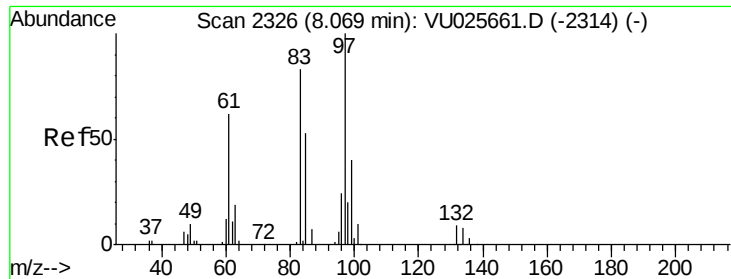
Ion Ratio Lower Upper

75 100

77 30.1 25.6 38.4

39 47.0 40.0 60.0

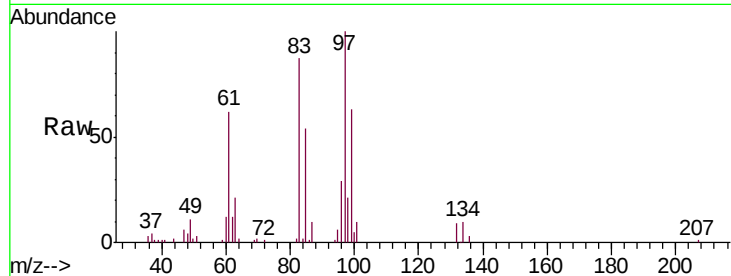




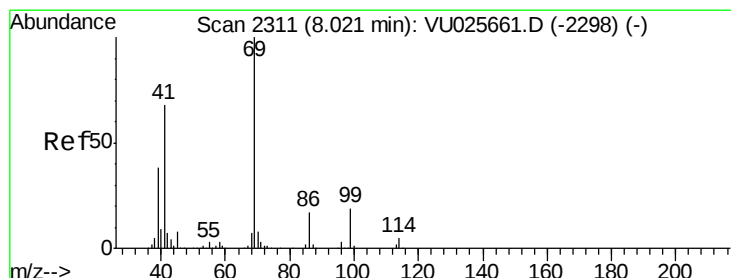
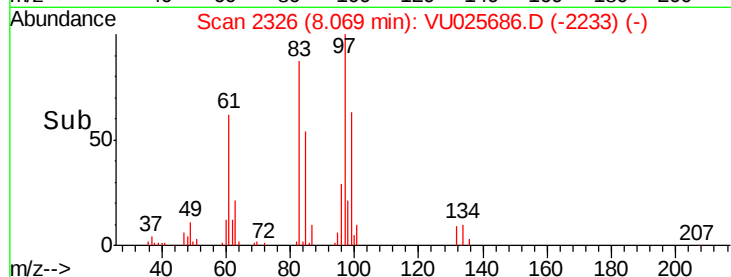
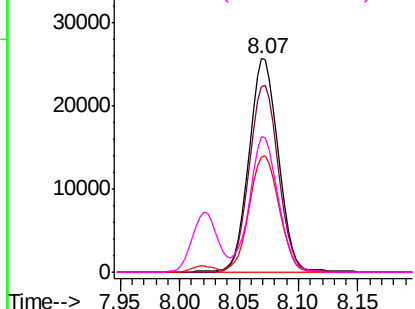
#55
 1,1,2-Trichloroethane
 Concen: 19.44 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion: 97 Resp: 44180
 Ion Ratio Lower Upper
 97 100
 83 87.1 68.9 103.3
 85 54.1 44.4 66.6
 99 63.4 51.0 76.4

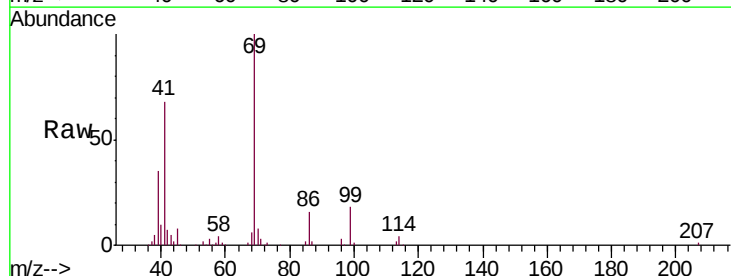


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

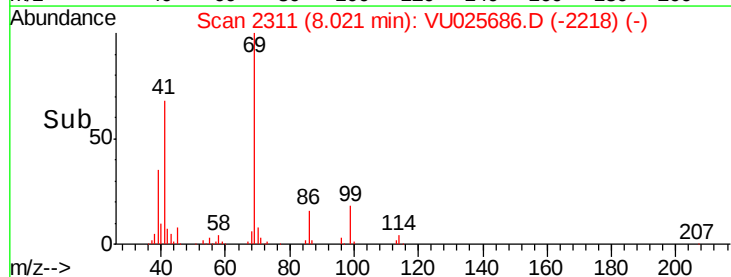
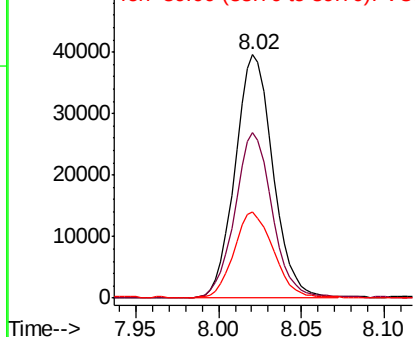


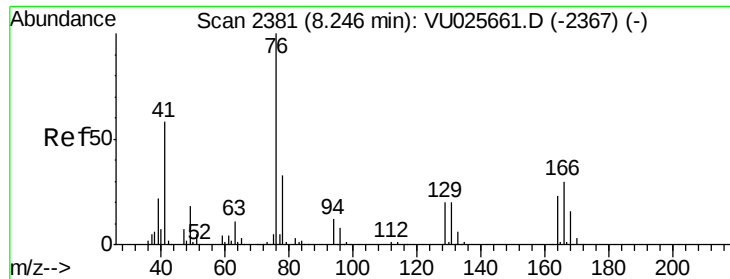
#56
 Ethyl methacrylate
 Concen: 19.38 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 69 Resp: 62945
 Ion Ratio Lower Upper
 69 100
 41 67.5 54.8 82.2
 39 37.2 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

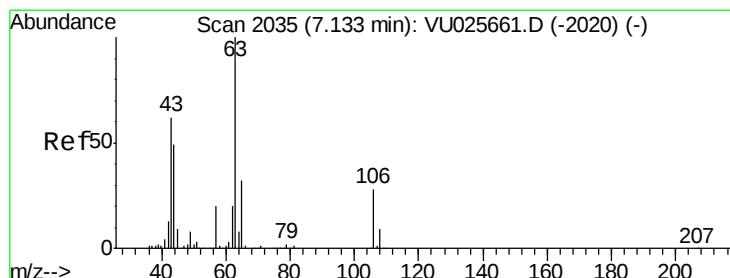
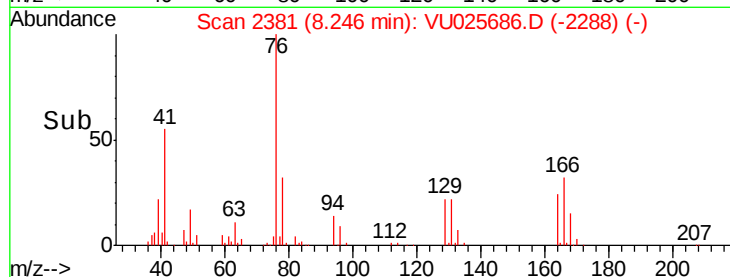
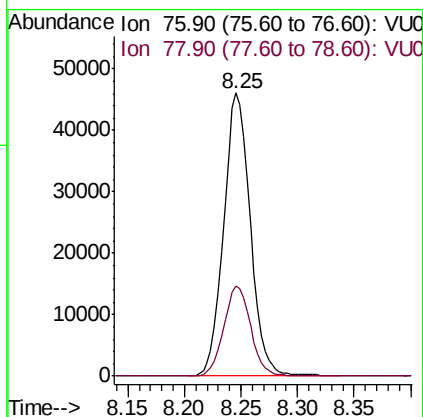
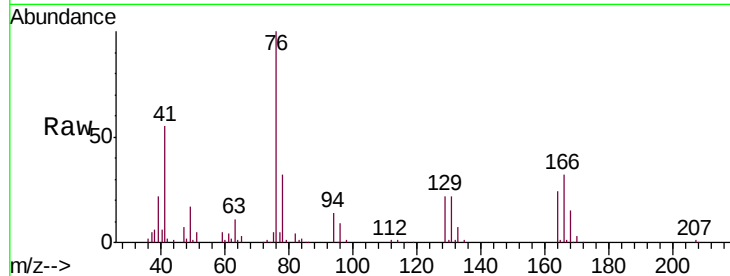




#57
 1,3-Dichloropropane
 Concen: 19.72 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

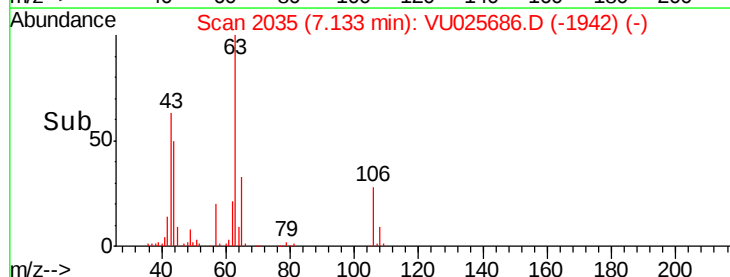
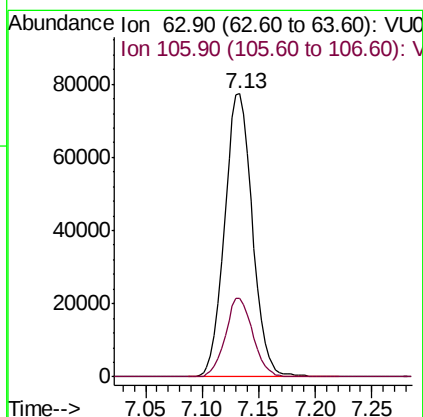
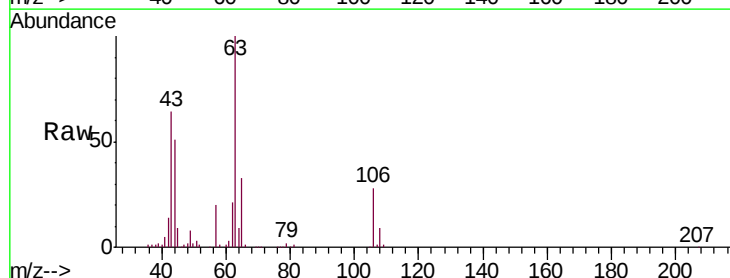
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

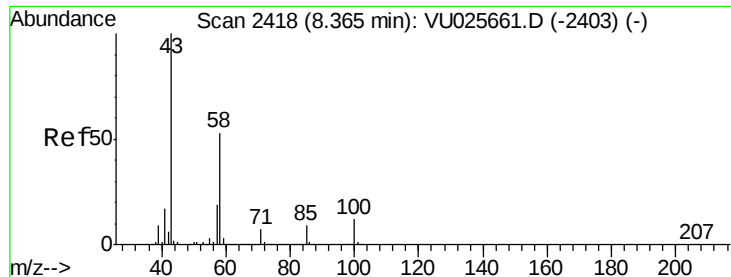
Tot Ion: 76 Resp: 75362
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.54 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 63 Resp: 132362
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.3 33.5

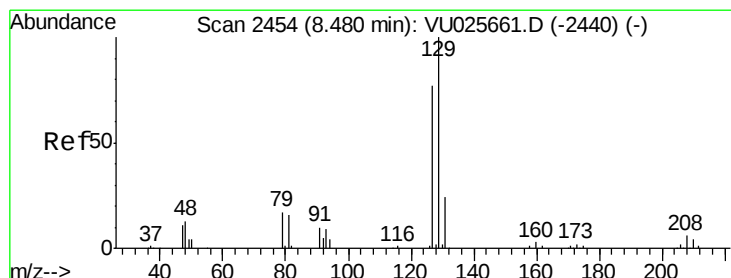
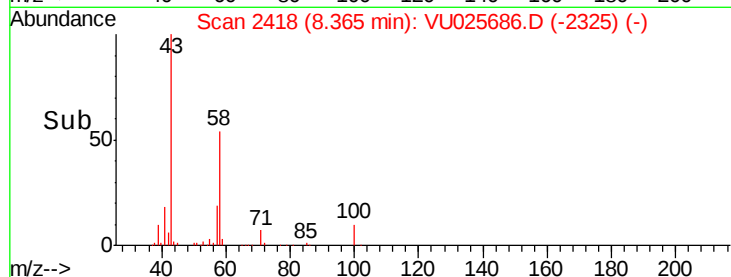
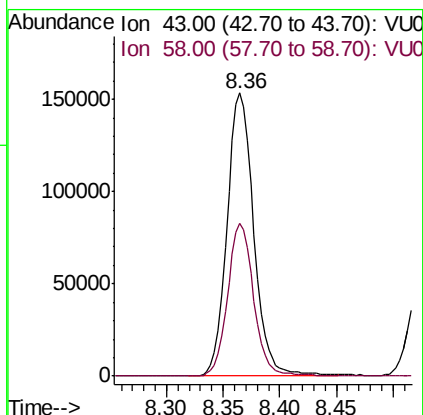
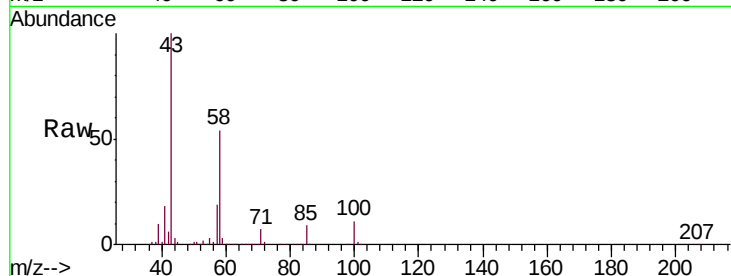




#59
2-Hexanone
Concen: 99.84 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

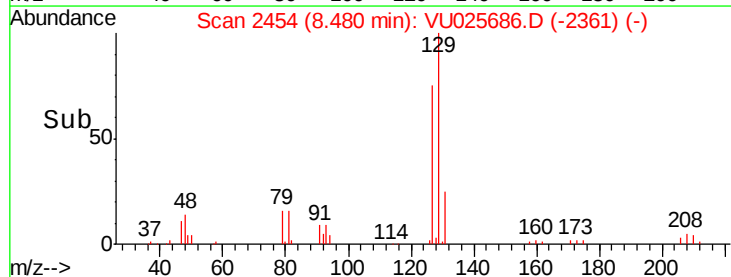
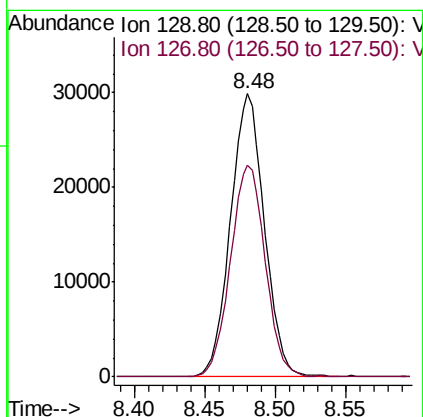
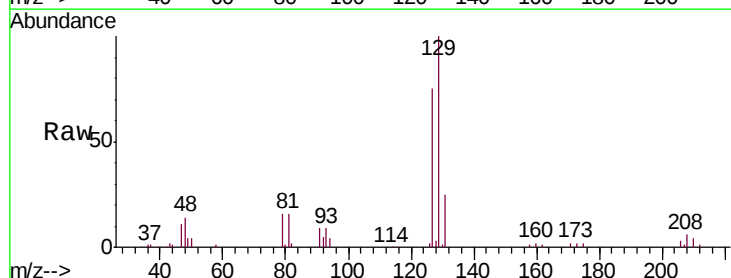
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

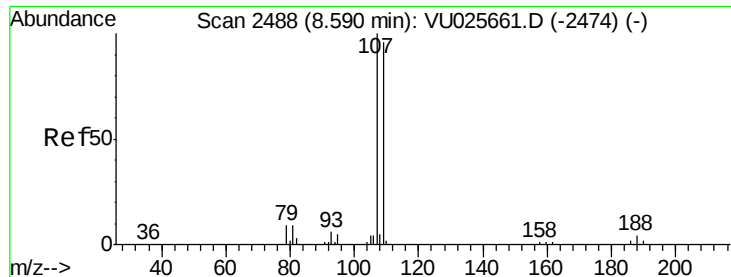
Tot Ion: 43 Resp: 252820
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.5



#60
Dibromochloromethane
Concen: 18.73 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 129 Resp: 50194
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.80 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

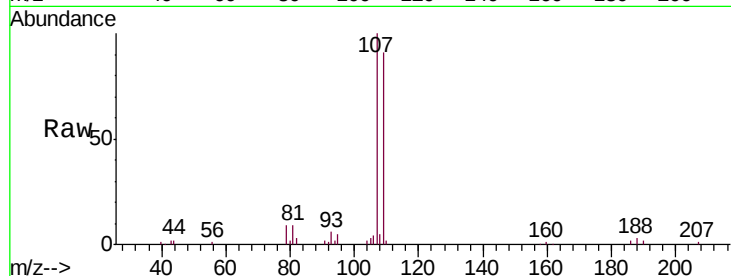
VU0727WBS02

Tot Ion:107 Resp: 50055

Ion Ratio Lower Upper

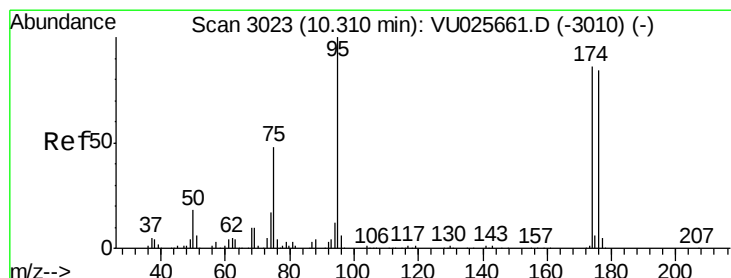
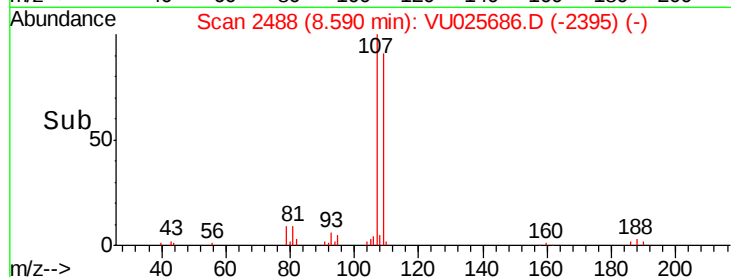
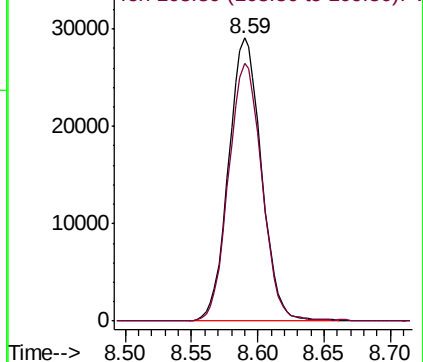
107 100

109 92.6 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: 48.13 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

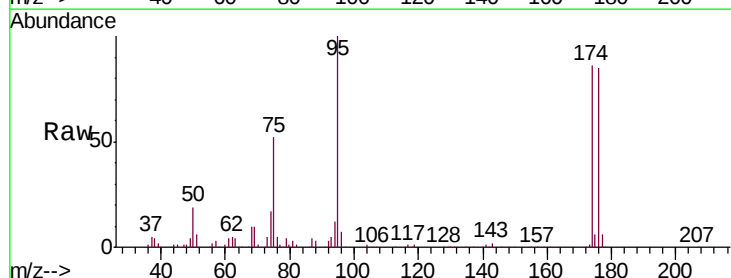
Tgt Ion: 95 Resp: 146528

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

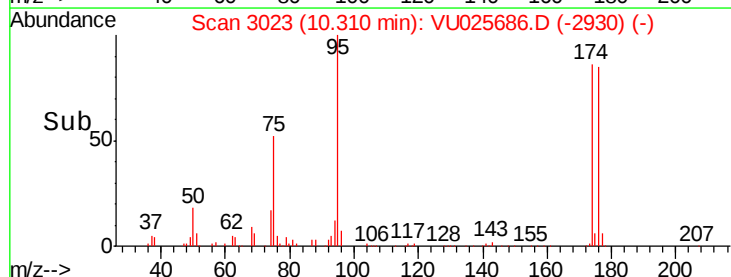
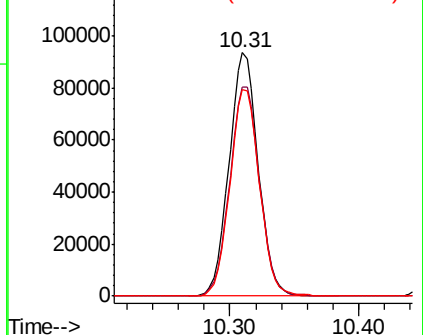
176 86.1 0.0 162.6

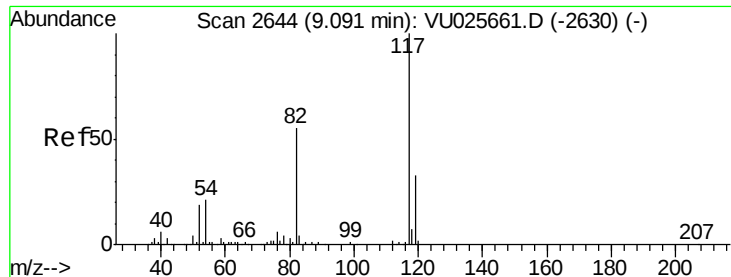


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

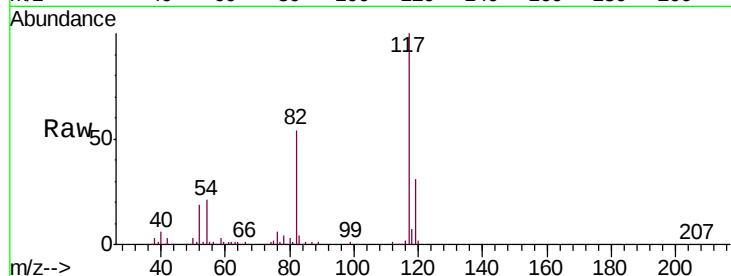




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	46.0	69.0
119	31.3	26.0	39.0

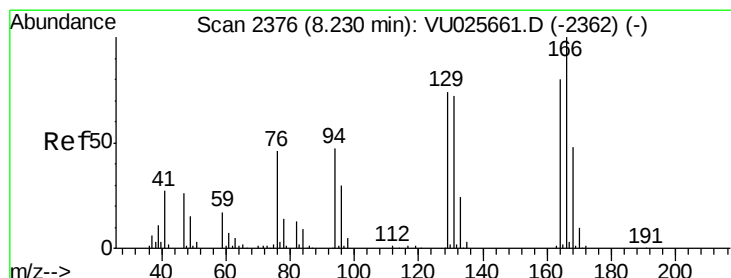
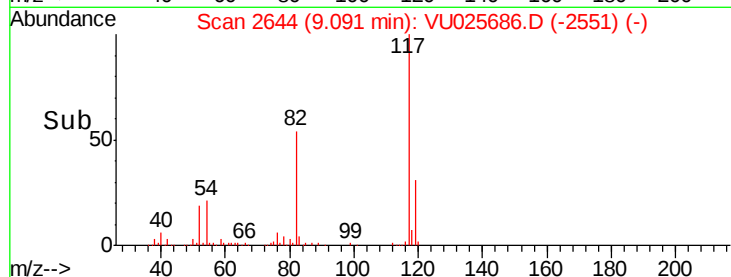
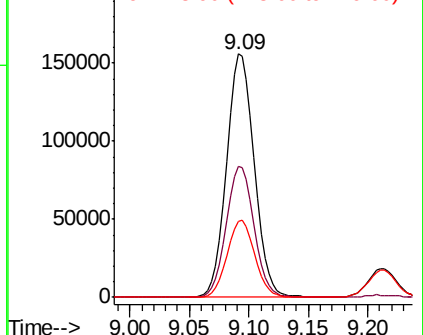


Abundance

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: 19.30 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.1	151.7
129	97.8	73.0	109.6
131	94.2	72.1	108.1

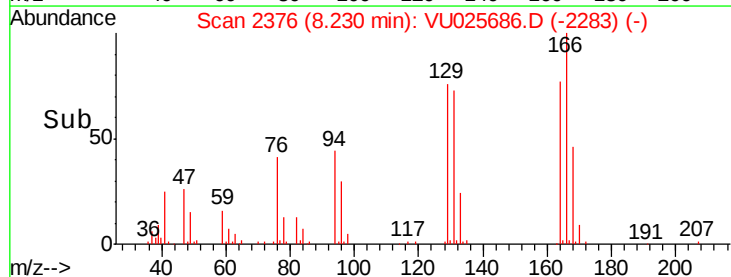
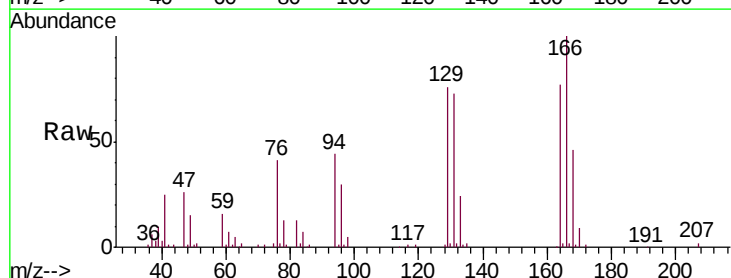
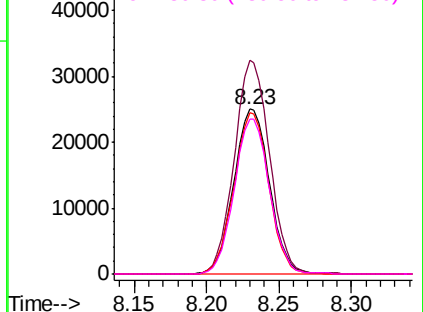
Abundance

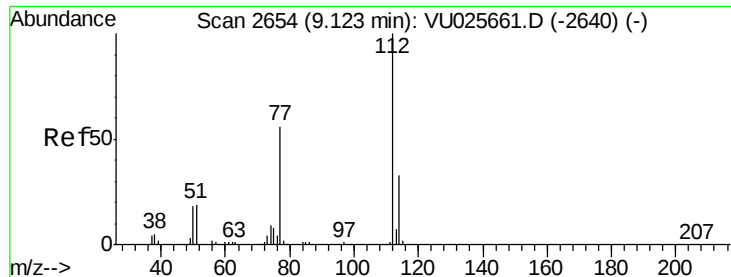
Ion 163.80 (163.50 to 164.50): V

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

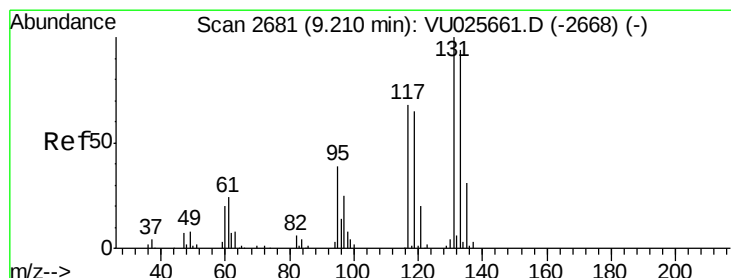
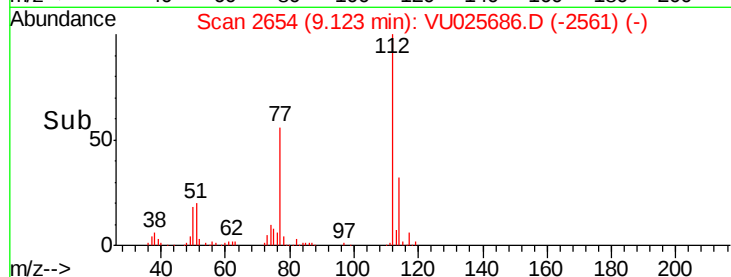
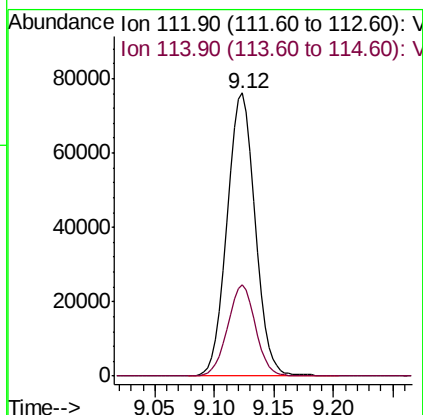
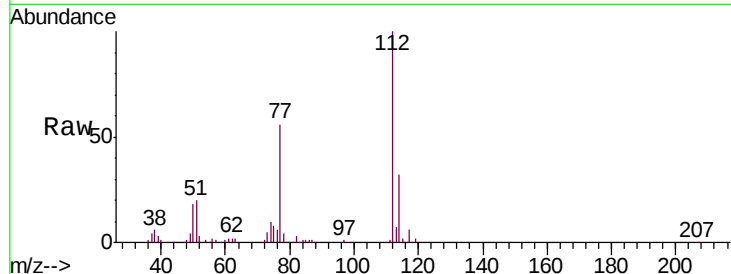




#65
Chlorobenzene
Concen: 19.20 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

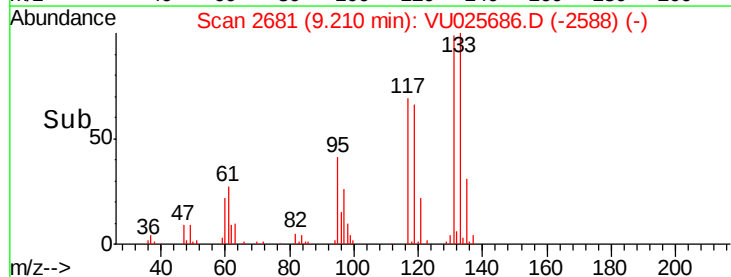
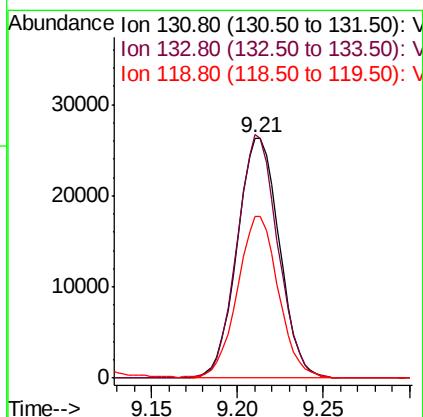
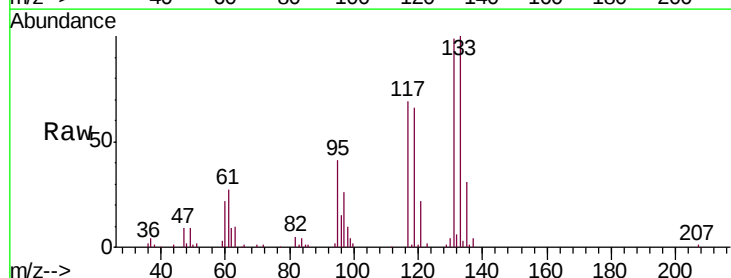
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

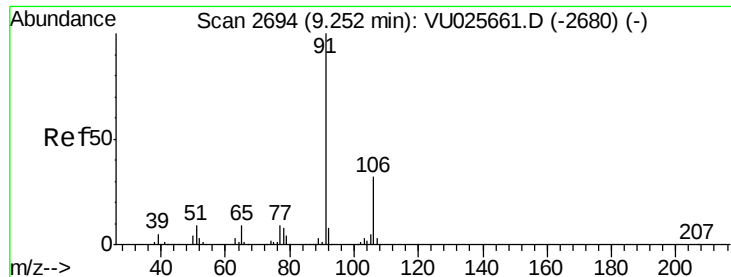
Tot Ion:112 Resp: 124926
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.12 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion:131 Resp: 44991
Ion Ratio Lower Upper
131 100
133 98.3 47.8 143.3
119 65.7 31.6 95.0





#67

Ethyl Benzene

Concen: 18.98 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

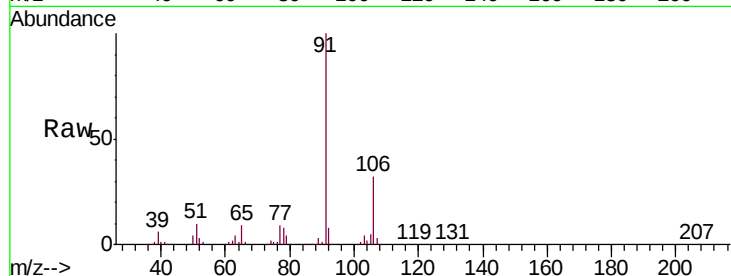
VU0727WBS02

Tot Ion: 91 Resp: 204517

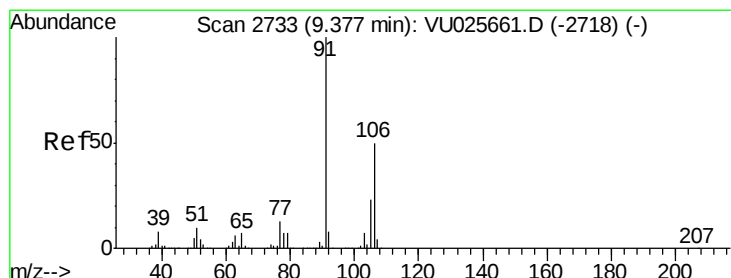
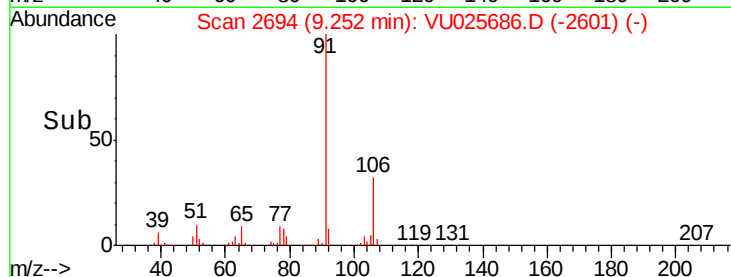
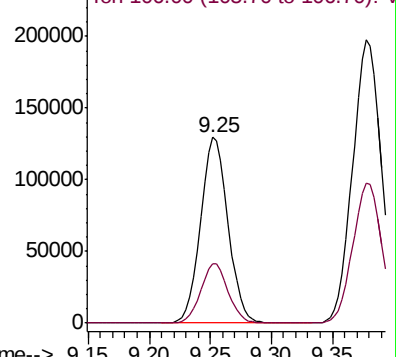
Ion Ratio Lower Upper

91 100

106 32.0 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU025686.D (-2680) (-)



#68

m/p-Xylenes

Concen: 38.96 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025686.D

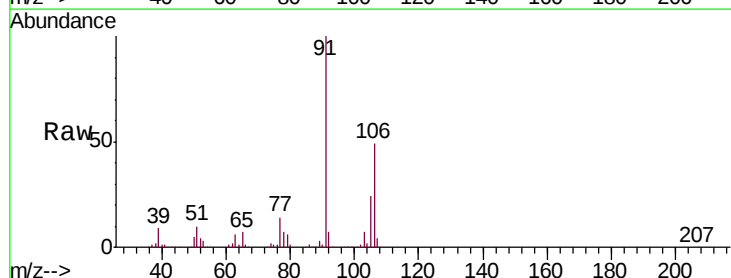
Acq: 27 Jul 2018 22:44

Tgt Ion: 106 Resp: 161210

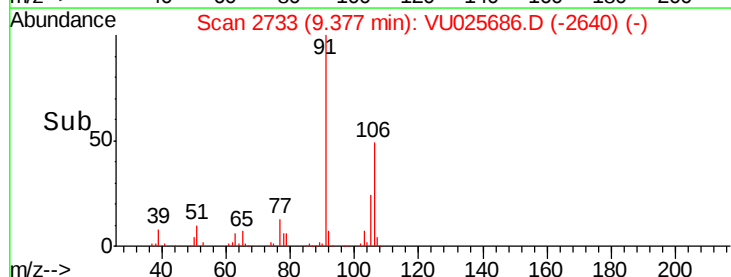
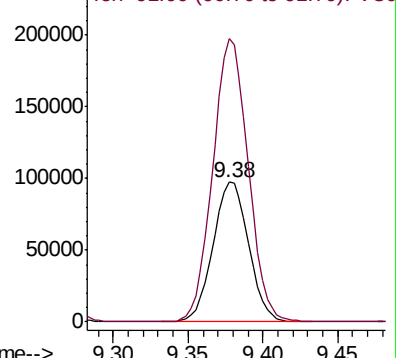
Ion Ratio Lower Upper

106 100

91 202.4 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025686.D (-2718) (-)

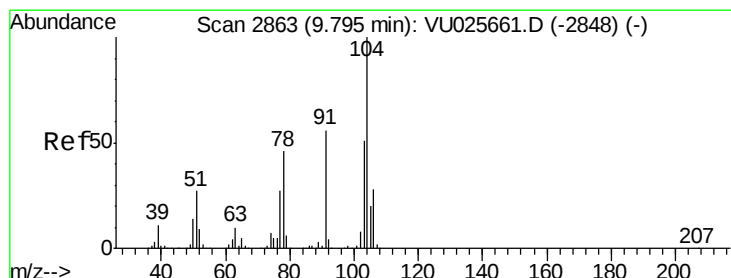
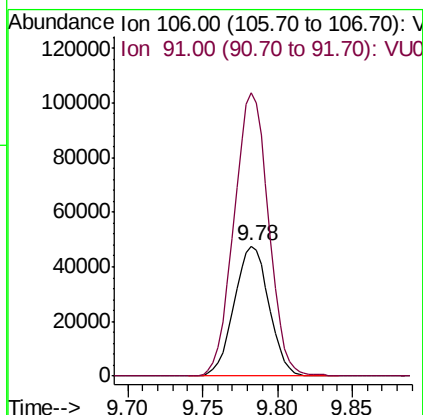
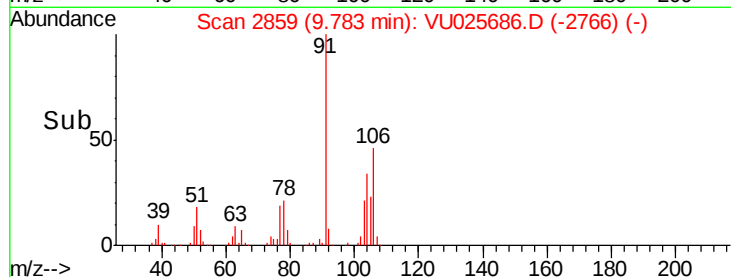
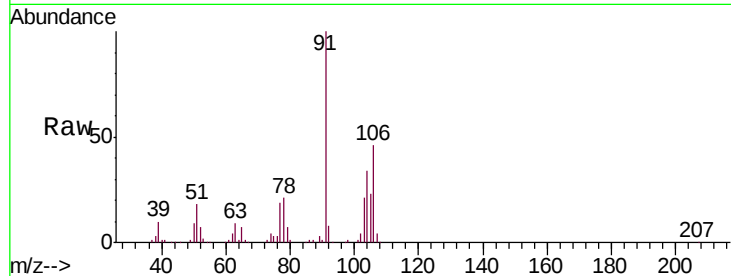




#69
o-Xylene
Concen: 19.11 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

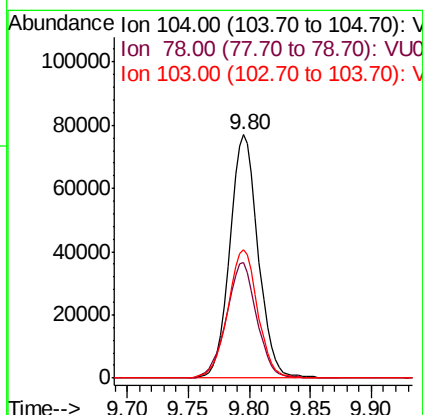
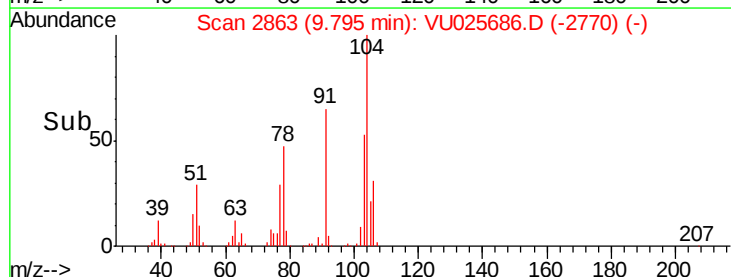
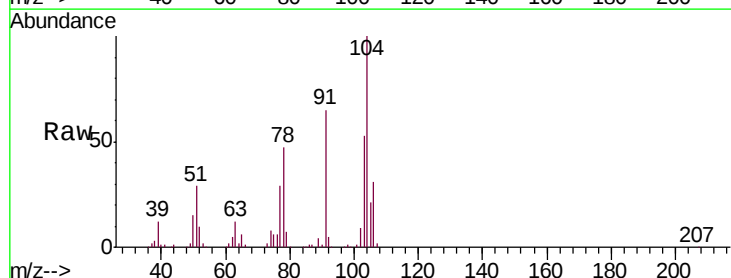
Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

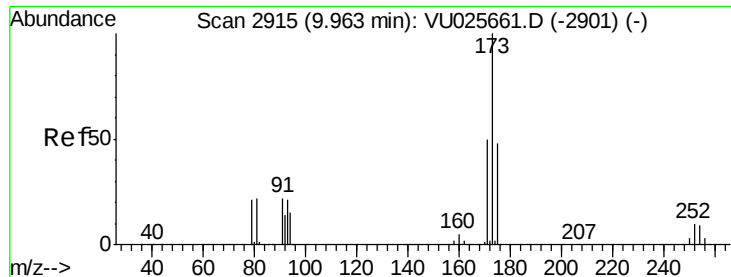
Tot Ion:106 Resp: 77280
Ion Ratio Lower Upper
106 100
91 216.0 105.3 315.8



#70
Styrene
Concen: 19.09 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion:104 Resp: 124721
Ion Ratio Lower Upper
104 100
78 50.8 41.6 62.4
103 56.1 44.6 66.8





#71

Bromoform

Concen: 18.18 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

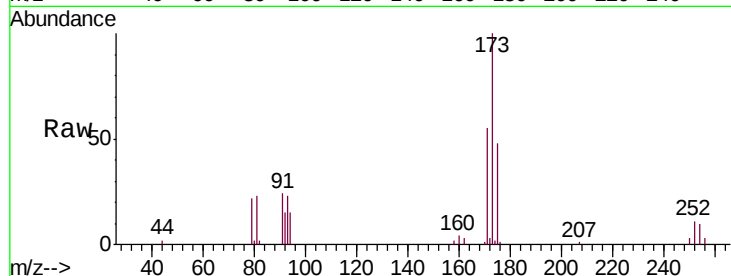
Tot Ion:173 Resp: 37109

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

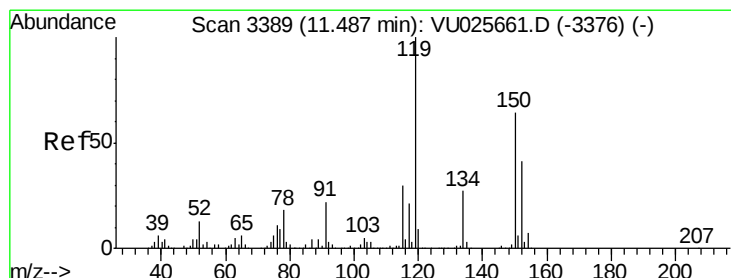
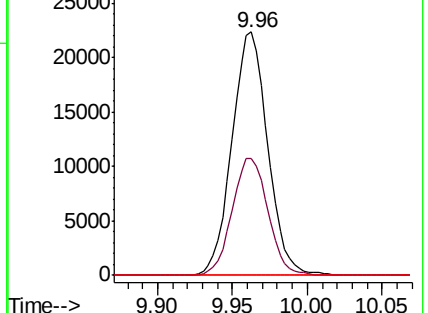
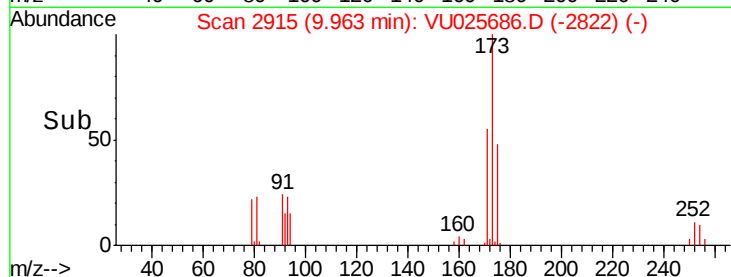
254 0.0 0.0 0.0



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: VU025686.D

Acq: 27 Jul 2018 22:44

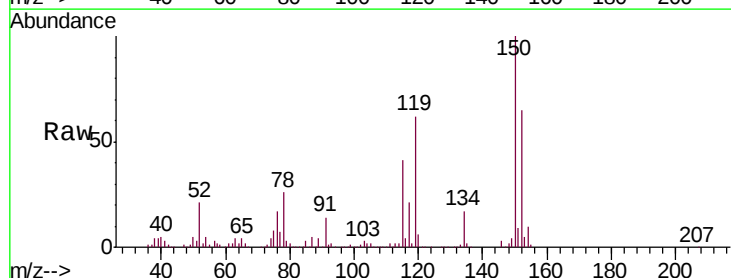
Tgt Ion:152 Resp: 156520

Ion Ratio Lower Upper

152 100

115 65.7 40.1 120.3

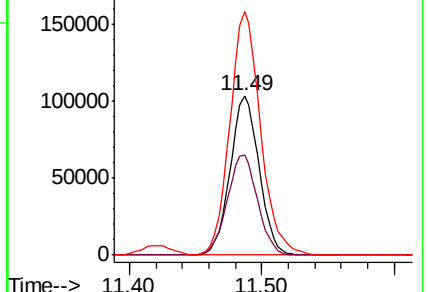
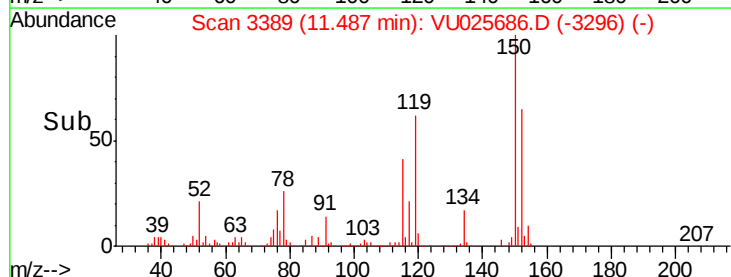
150 162.2 0.0 351.4



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: 19.68 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

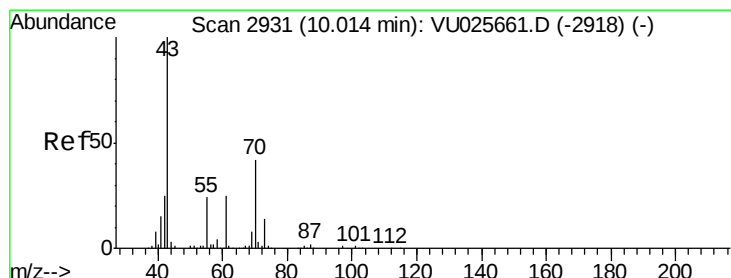
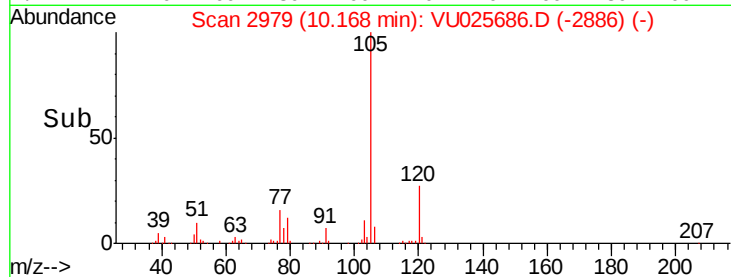
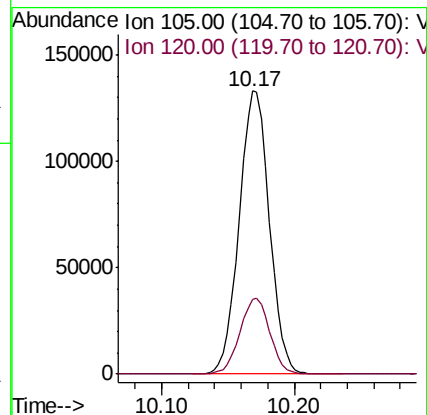
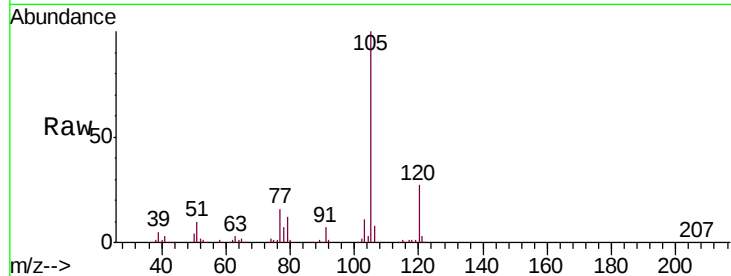
VU0727WBS02

Tot Ion:105 Resp: 210206

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



#74

N-ethyl acetate

Concen: 20.04 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion: 43 Resp: 87387

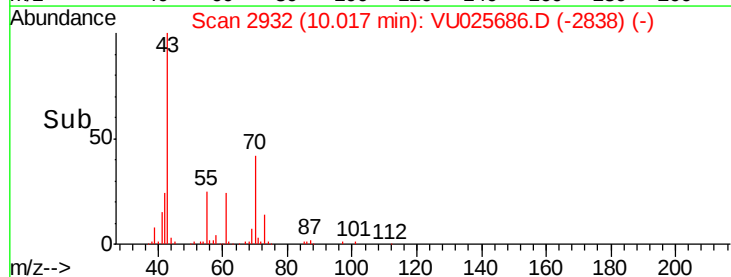
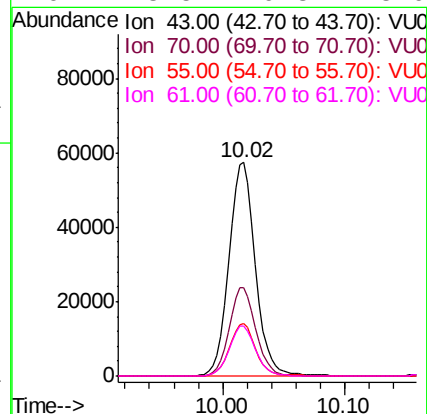
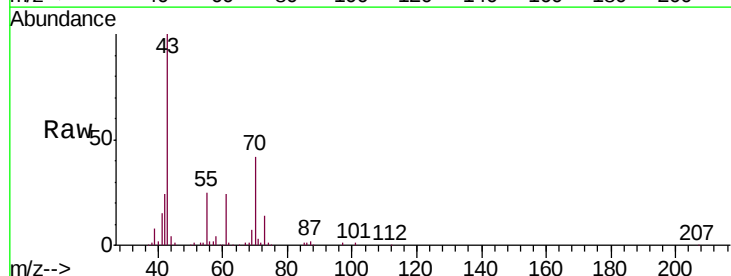
Ion Ratio Lower Upper

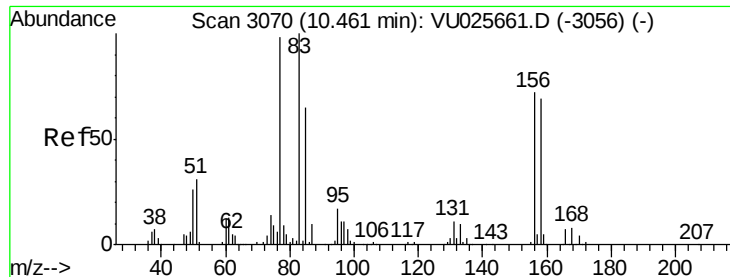
43 100

70 41.5 33.4 50.2

55 24.4 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.22 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

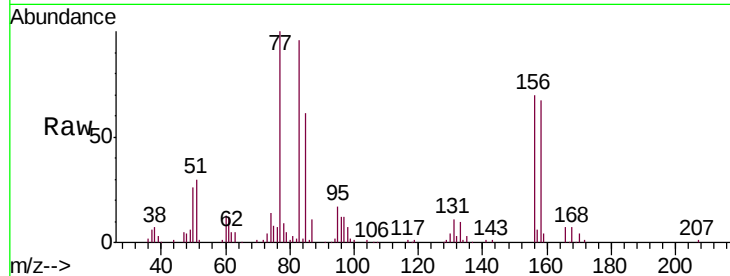
Tot Ion: 83 Resp: 70998

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

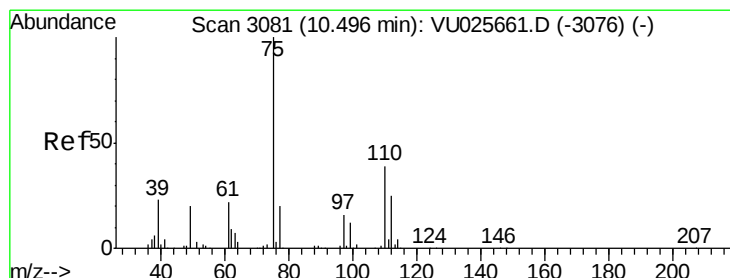
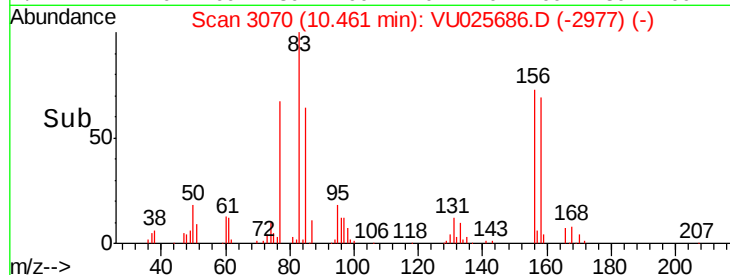
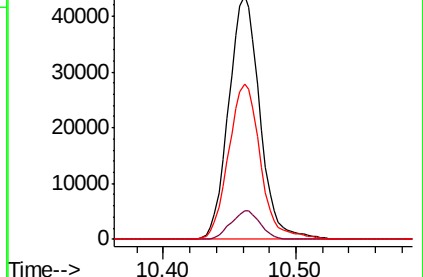
85 65.5 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 23.65 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025686.D

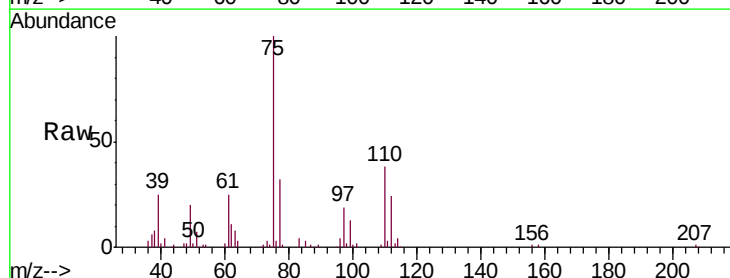
Acq: 27 Jul 2018 22:44

Tgt Ion: 75 Resp: 81546

Ion Ratio Lower Upper

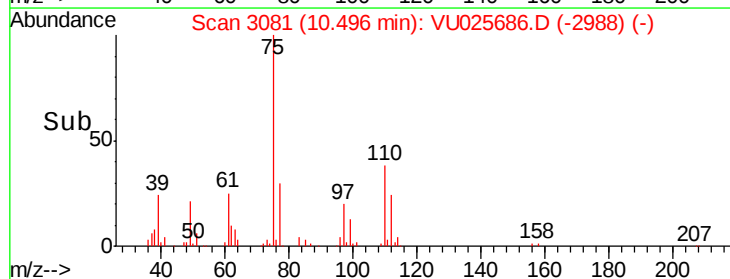
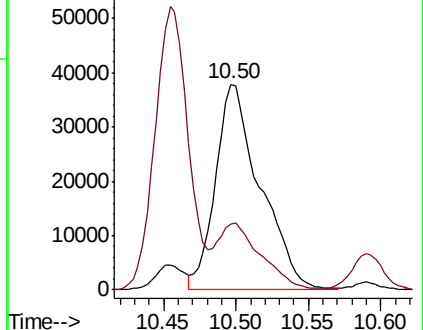
75 100

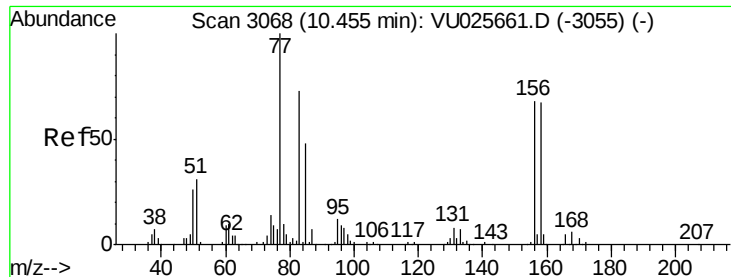
77 30.5 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.35 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

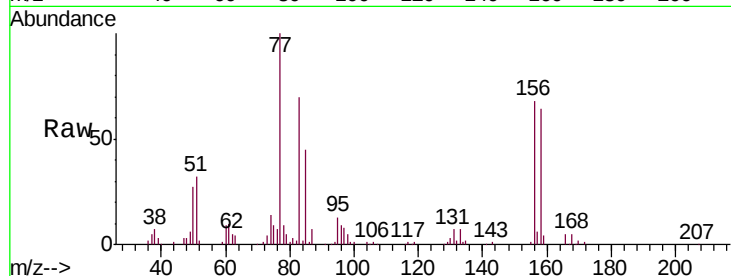
Tot Ion:156 Resp: 57017

Ion Ratio Lower Upper

156 100

77 145.8 73.8 221.4

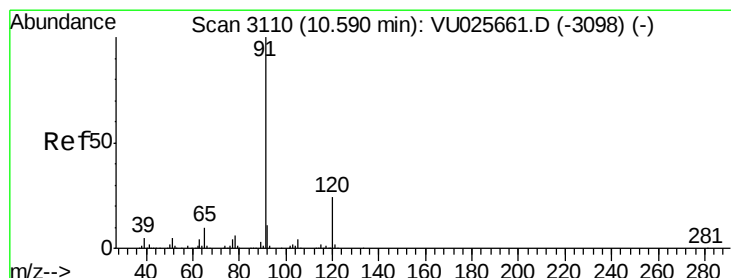
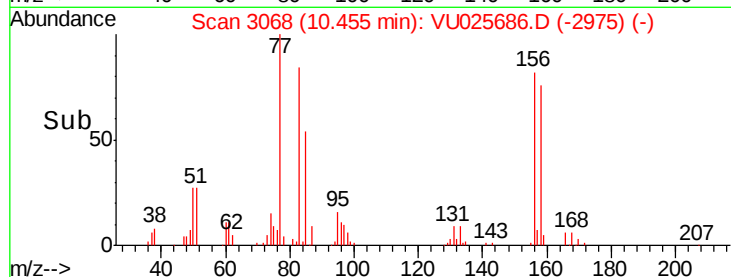
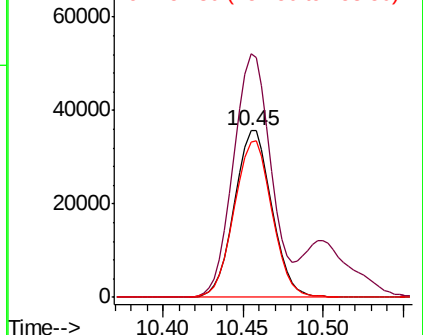
158 94.6 48.0 144.0



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: 19.77 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025686.D

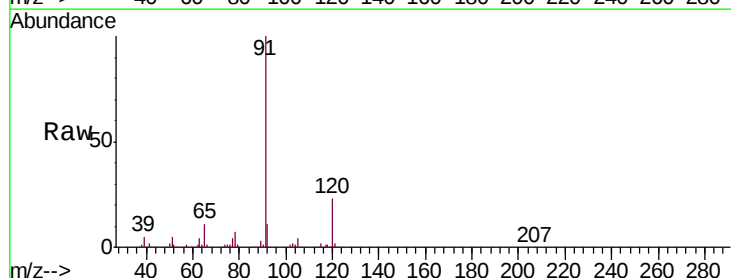
Acq: 27 Jul 2018 22:44

Tgt Ion: 91 Resp: 246460

Ion Ratio Lower Upper

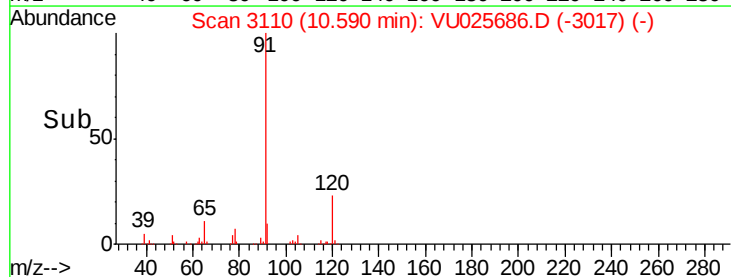
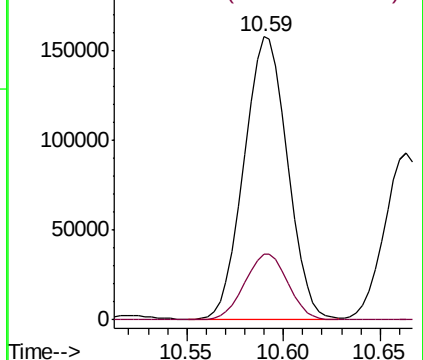
91 100

120 23.3 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: 19.83 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

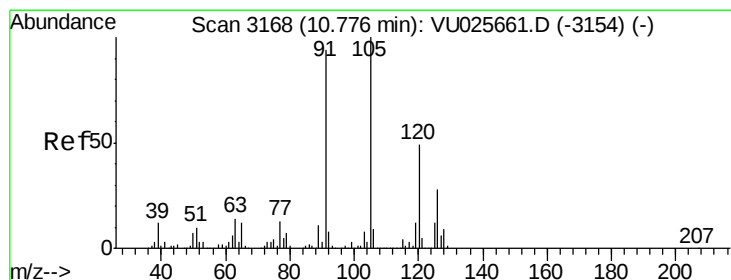
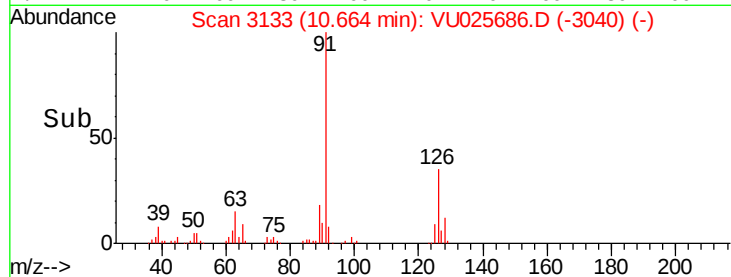
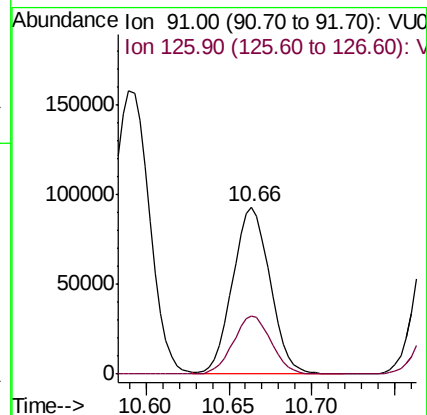
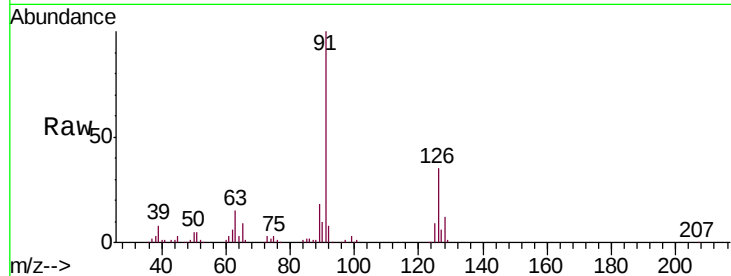
VU0727WBS02

Tot Ion: 91 Resp: 144834

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 19.88 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025686.D

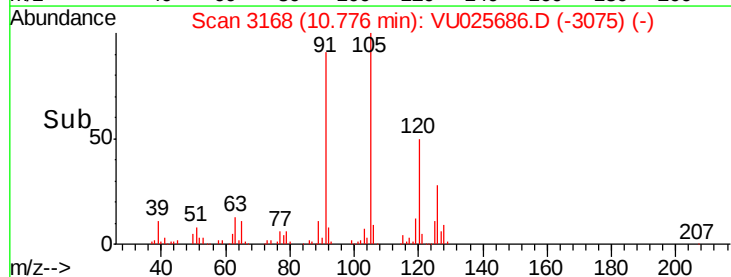
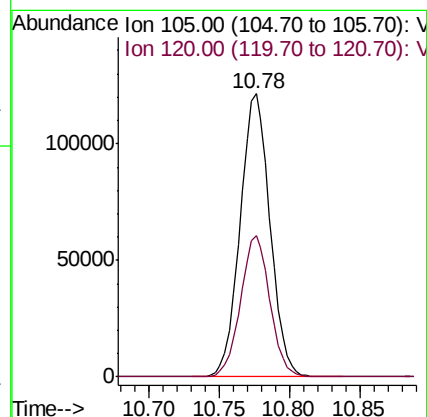
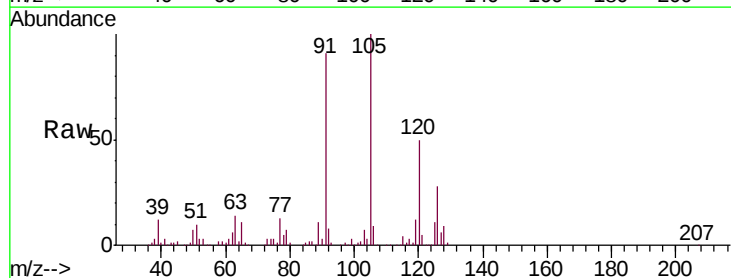
Acq: 27 Jul 2018 22:44

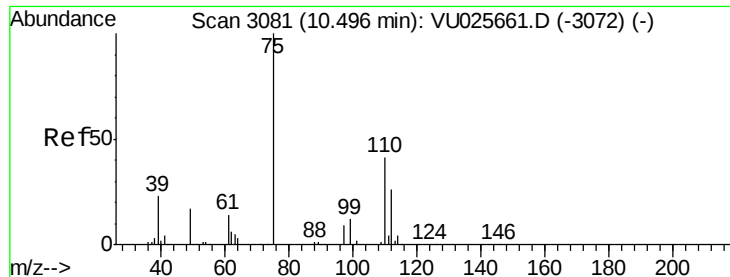
Tgt Ion: 105 Resp: 180404

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 59.29 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

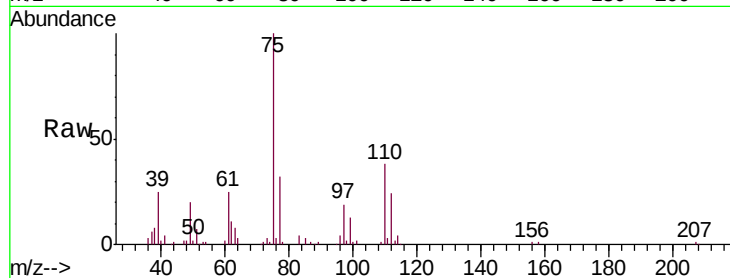
Tot Ion: 75 Resp: 81546

Ion Ratio Lower Upper

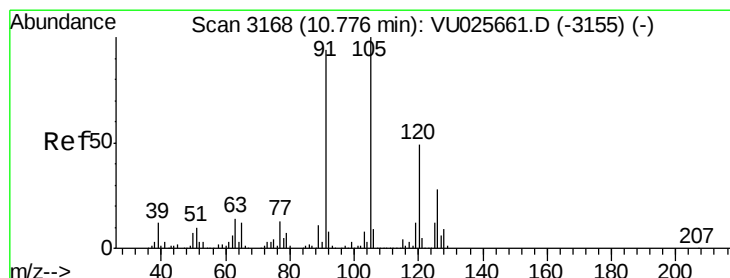
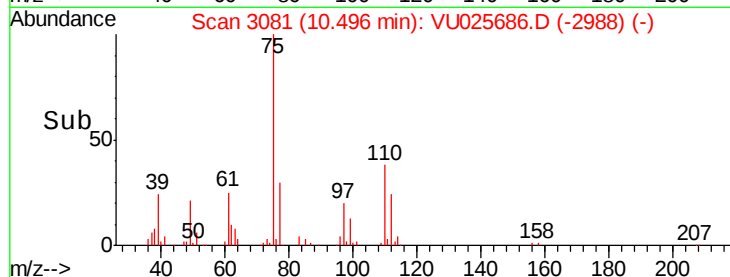
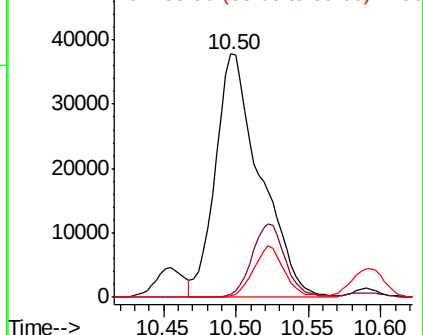
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 19.97 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025686.D

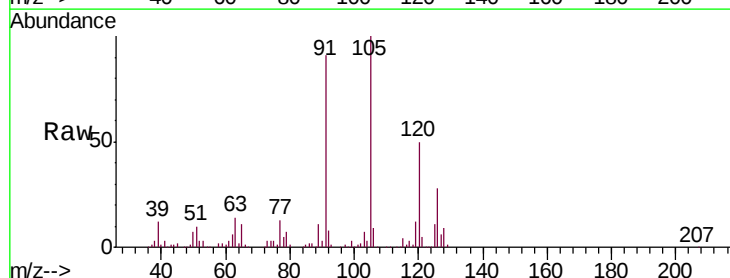
Acq: 27 Jul 2018 22:44

Tgt Ion: 91 Resp: 171903

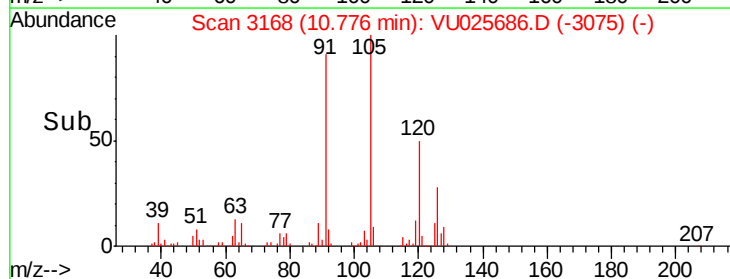
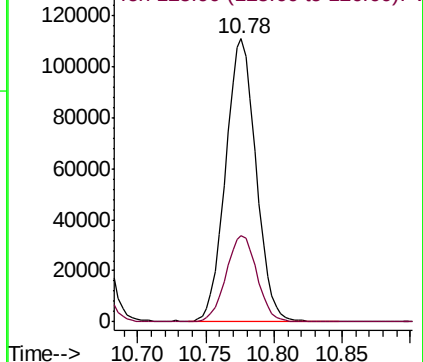
Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V

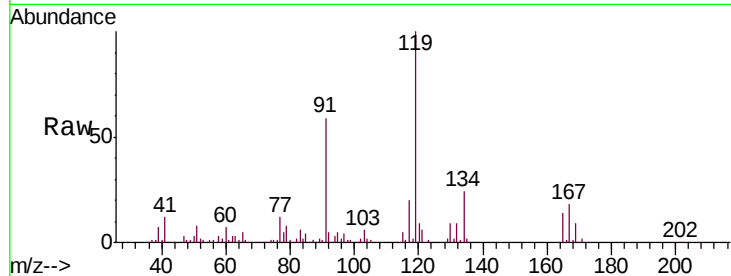




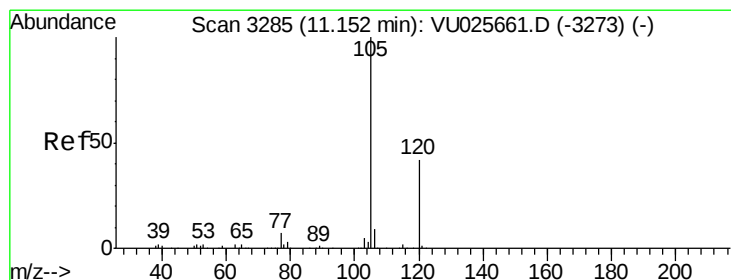
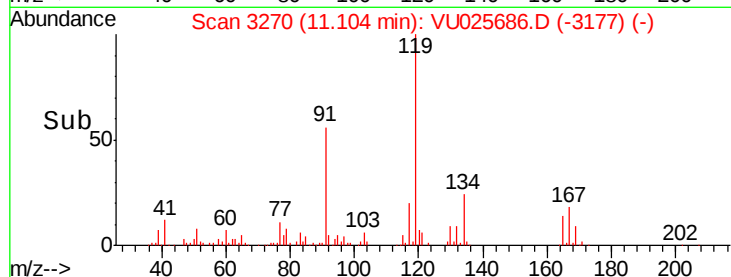
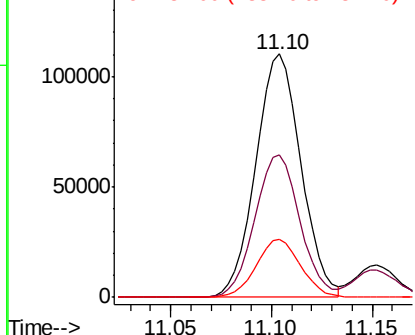
#83
 tert-Butylbenzene
 Concen: 19.16 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion:119 Resp: 172731
 Ion Ratio Lower Upper
 119 100
 91 58.6 29.7 89.1
 134 23.5 11.5 34.5

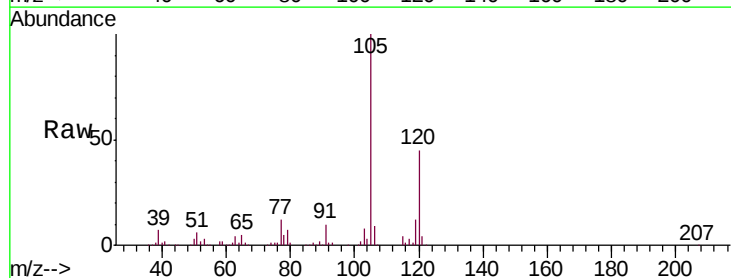


Abundance Ion 119.00 (118.70 to 119.70): V
 150000
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

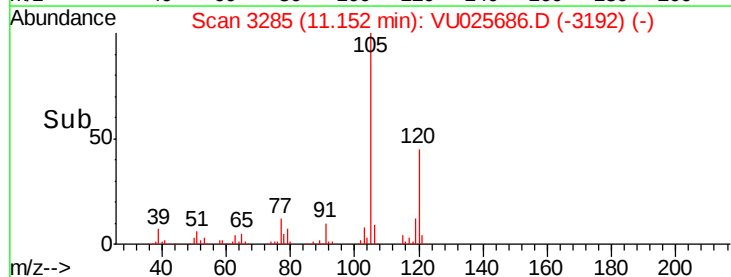
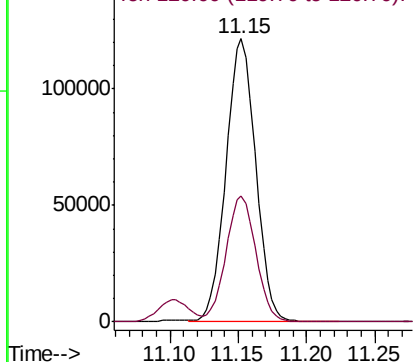


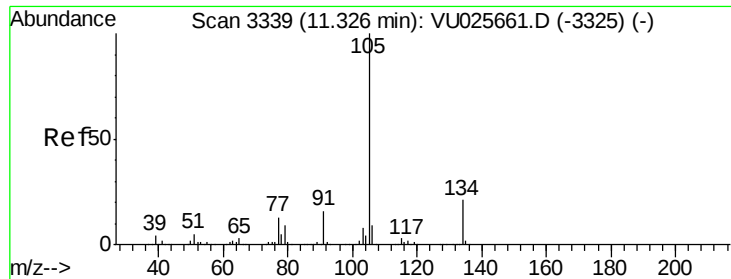
#84
 1,2,4-Trimethylbenzene
 Concen: 20.08 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion:105 Resp: 184623
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 100000
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.65 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

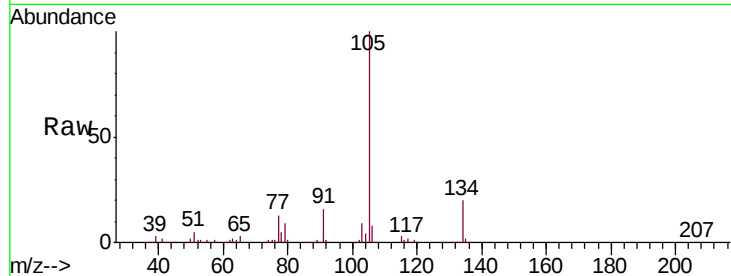
VU0727WBS02

Tot Ion:105 Resp: 216312

Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

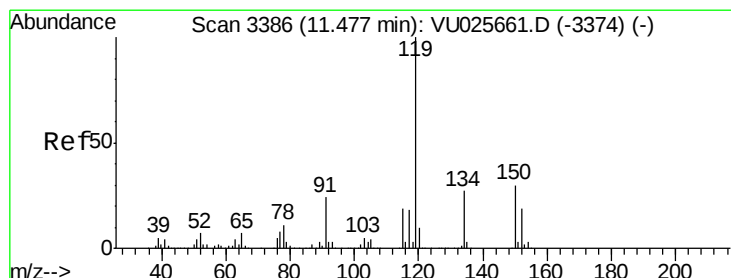
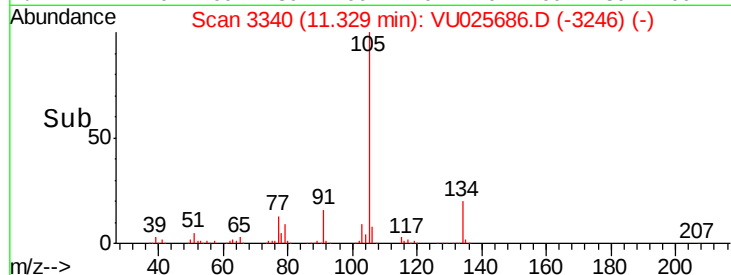
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.57 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

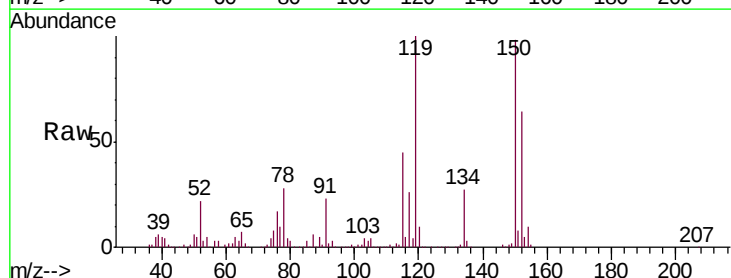
Tgt Ion:119 Resp: 192892

Ion Ratio Lower Upper

119 100

134 27.1 13.2 39.5

91 24.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

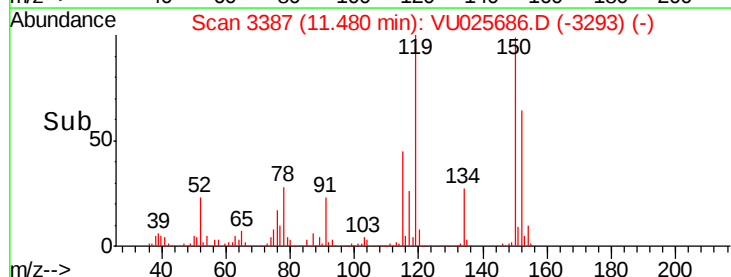
150000

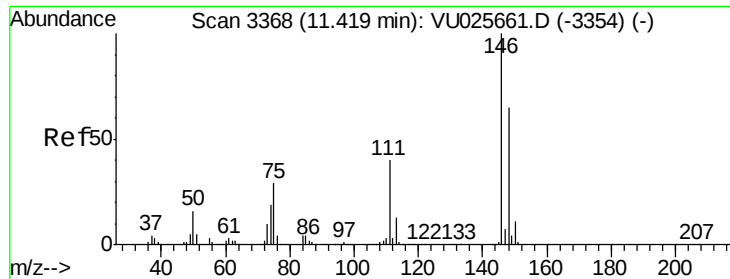
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.23 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

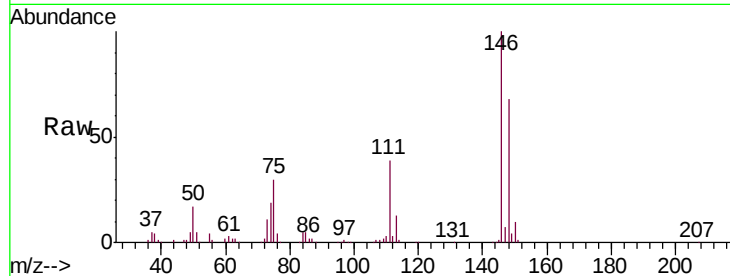
Tot Ion:146 Resp: 105176

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.1

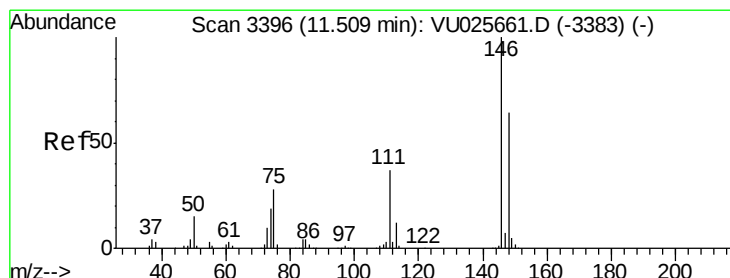
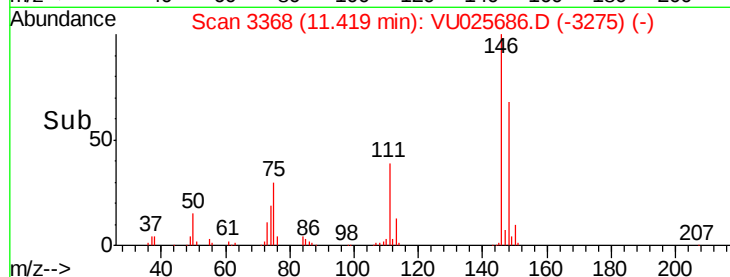
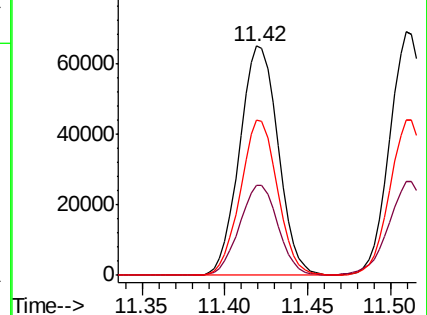
148 65.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.06 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

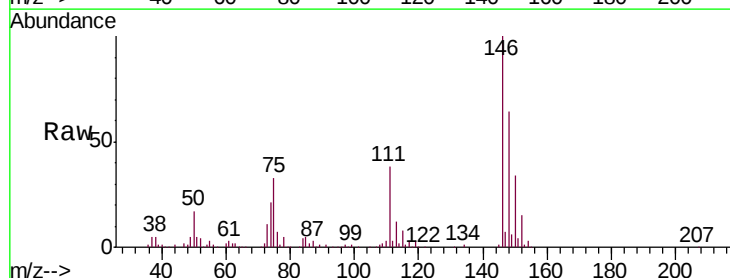
Tgt Ion:146 Resp: 108647

Ion Ratio Lower Upper

146 100

111 39.9 19.4 58.1

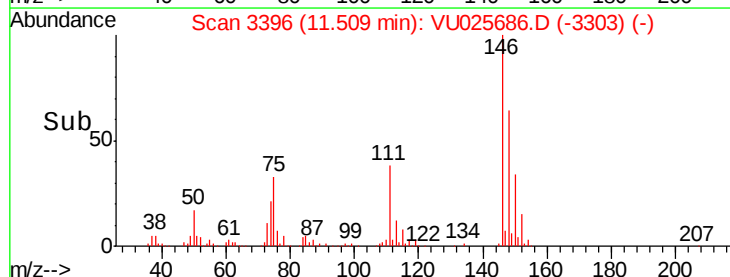
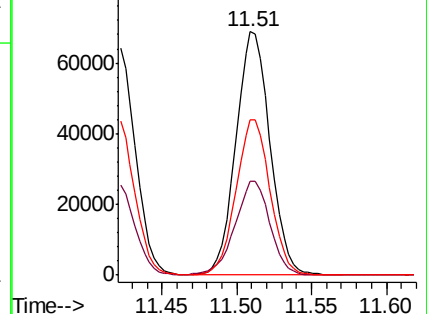
148 64.3 31.7 95.1

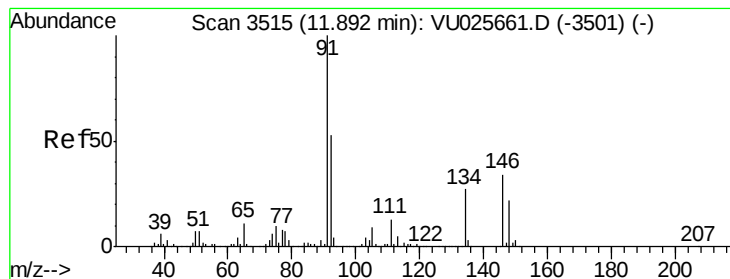


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.21 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

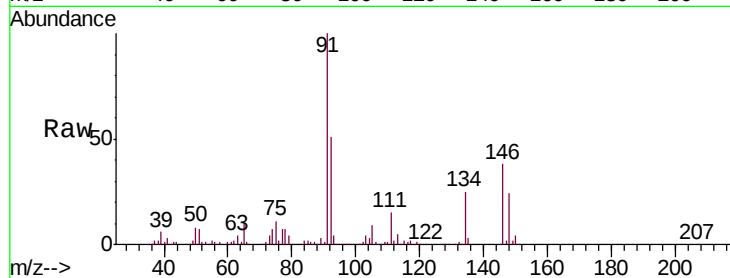
Tot Ion: 91 Resp: 174719

Ion Ratio Lower Upper

91 100

92 51.4 26.5 79.5

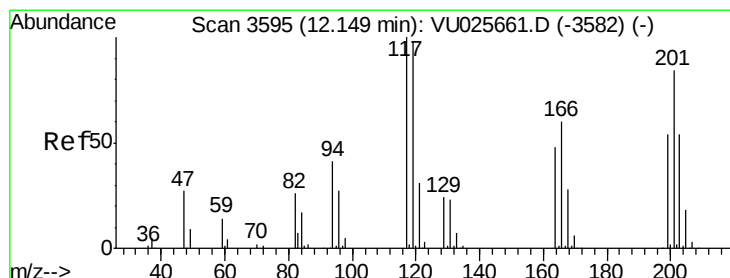
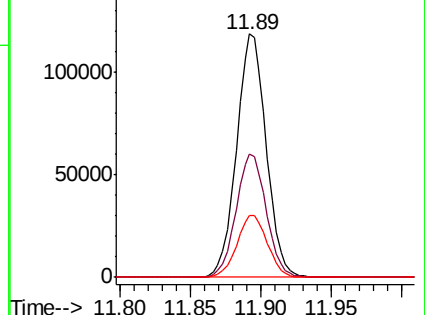
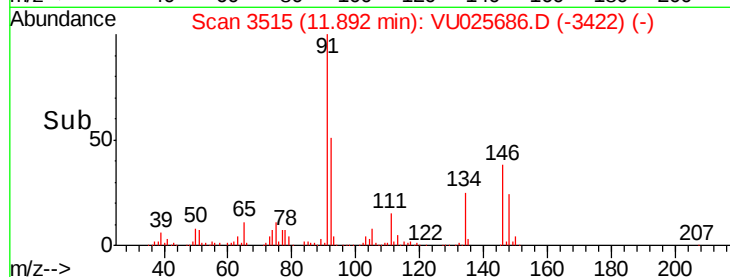
134 25.9 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU025686.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025686.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025686.D (-3501) (-)



#90

Hexachloroethane

Concen: 18.25 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025686.D

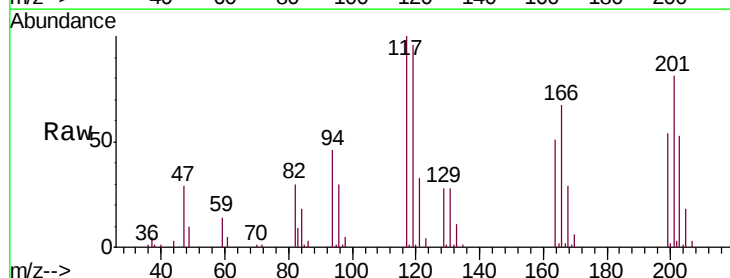
Acq: 27 Jul 2018 22:44

Tgt Ion: 117 Resp: 31985

Ion Ratio Lower Upper

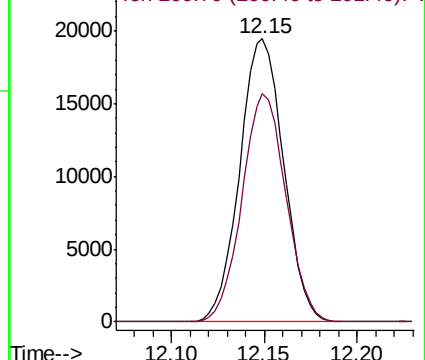
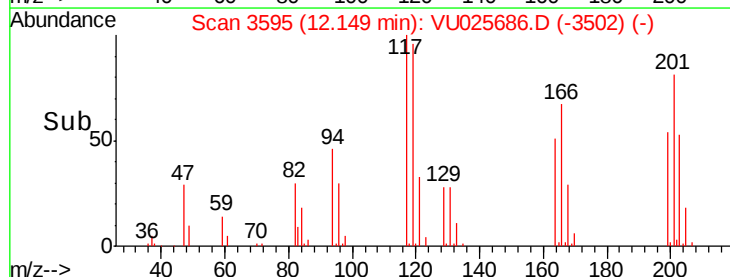
117 100

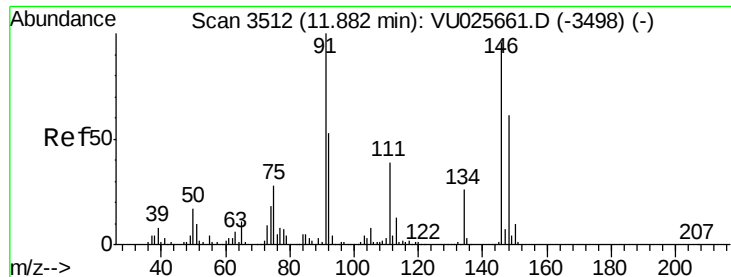
201 80.4 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): VU025686.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU025686.D (-3502) (-)

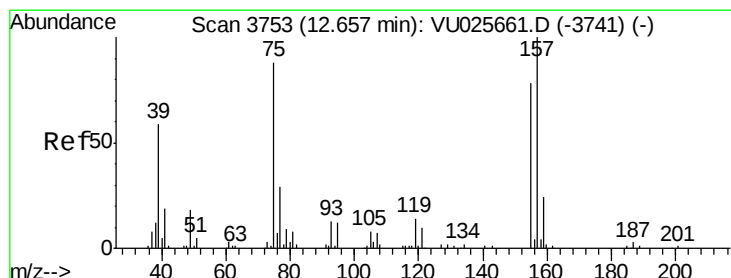
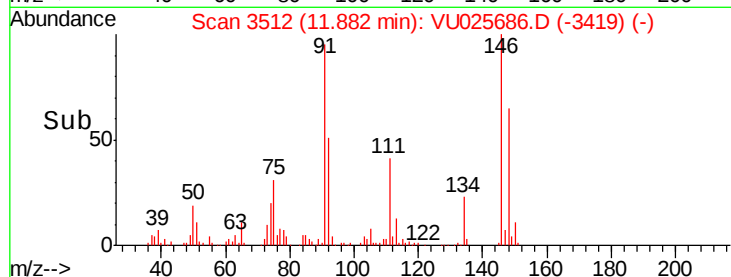
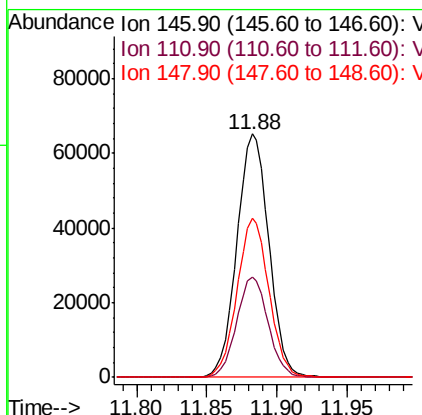
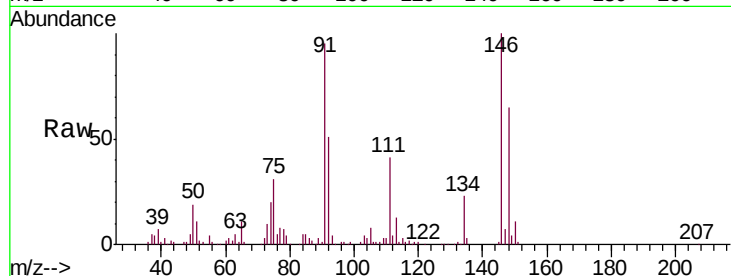




#91
 1,2-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

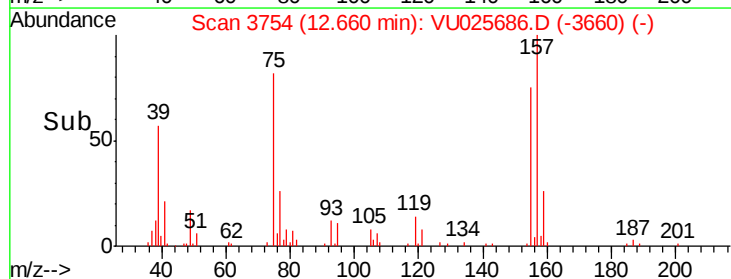
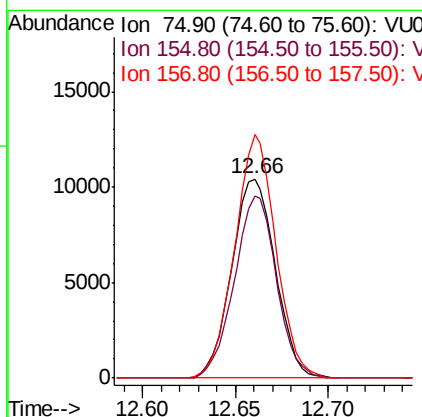
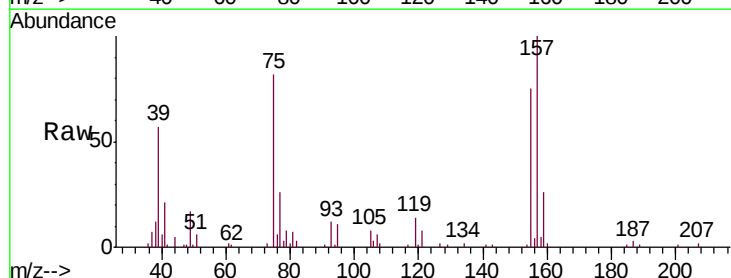
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

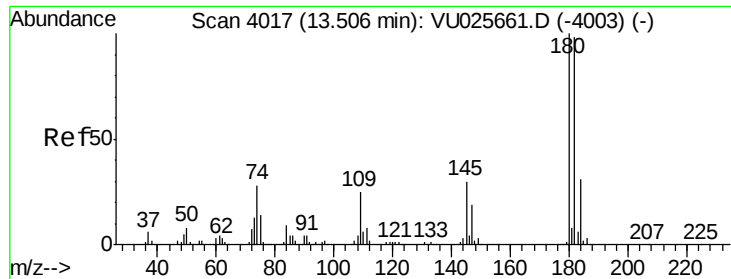
Tot Ion:146 Resp: 103939
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.6 61.8
 148 64.9 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.41 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 75 Resp: 16998
 Ion Ratio Lower Upper
 75 100
 155 88.3 44.5 133.3
 157 115.4 57.0 170.8

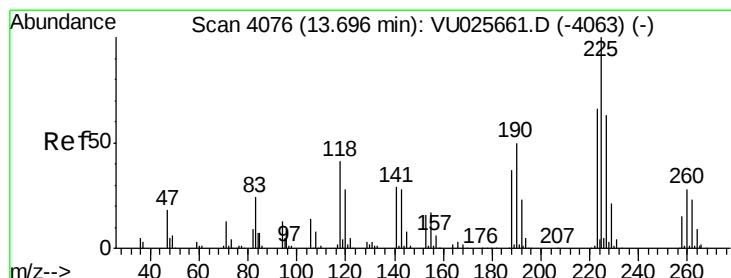
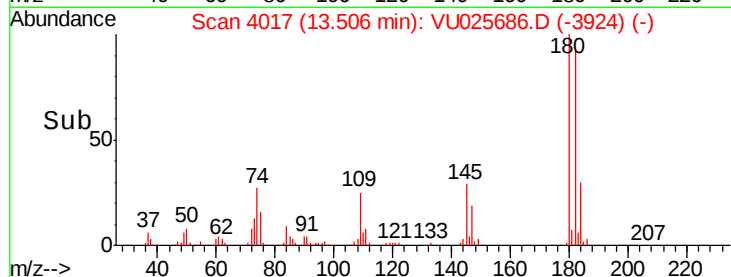
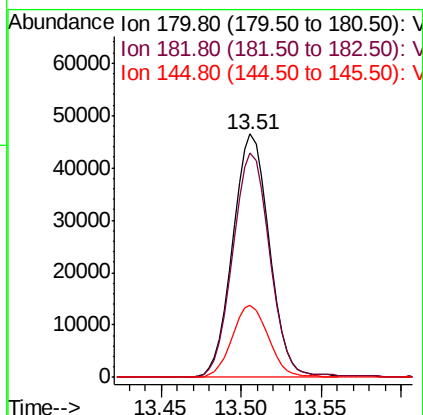
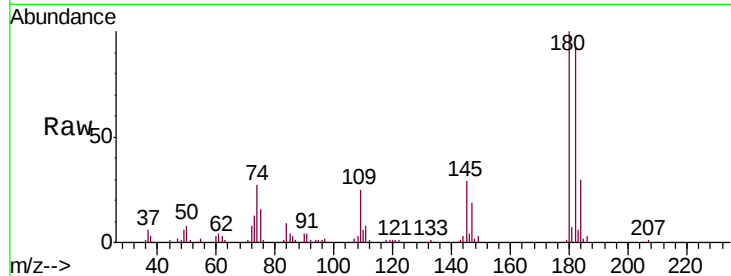




#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

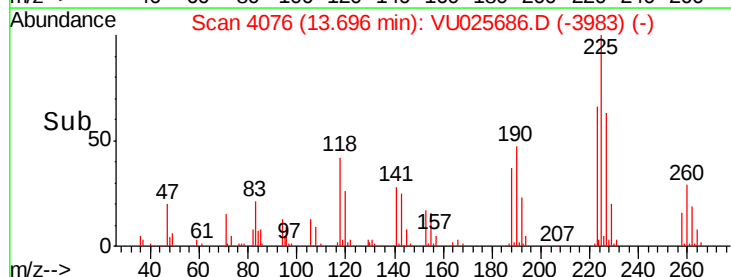
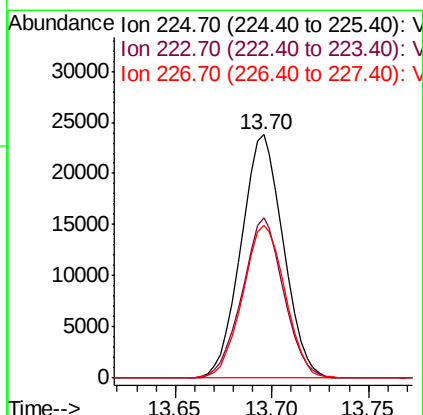
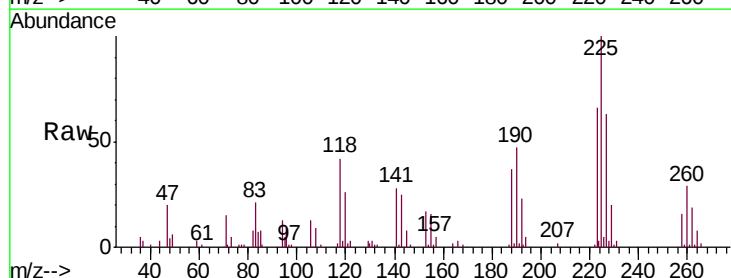
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

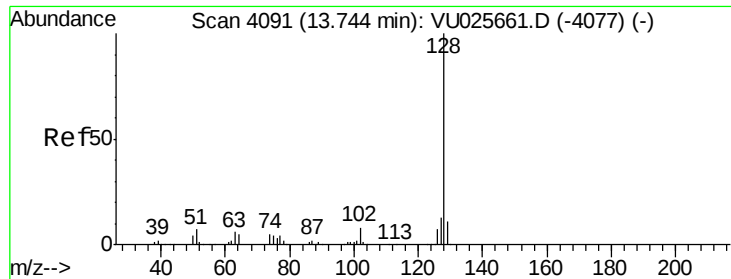
Tot Ion:180 Resp: 72286
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.3 141.9
 145 29.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.95 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion:225 Resp: 36143
 Ion Ratio Lower Upper
 225 100
 223 64.5 31.9 95.7
 227 63.0 32.3 96.9





#95

Naphthalene

Concen: 18.60 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

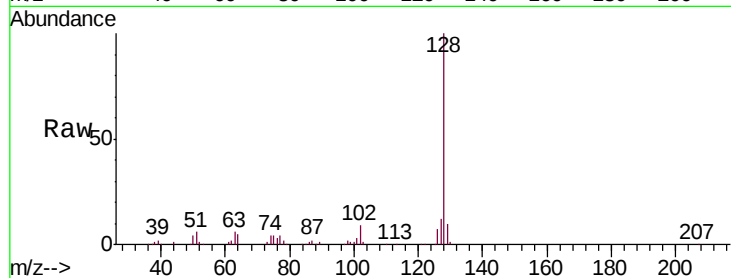
Tot Ion:128 Resp: 206810

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

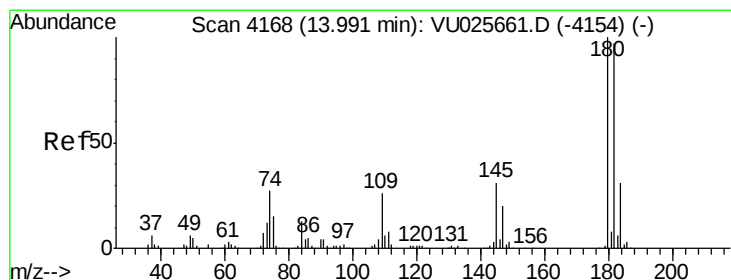
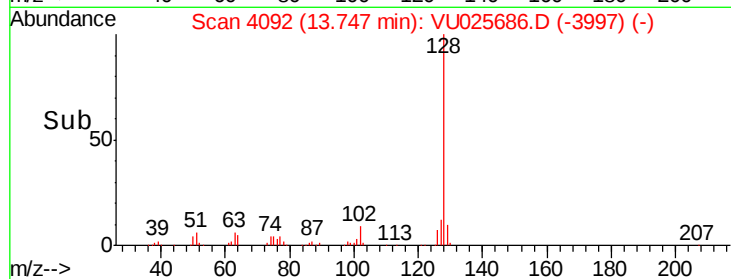
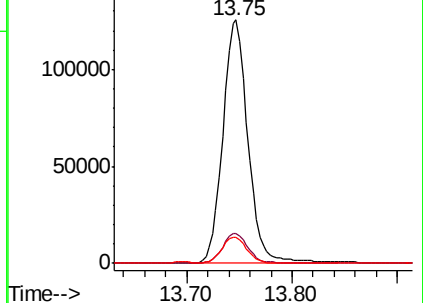
129 10.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.85 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

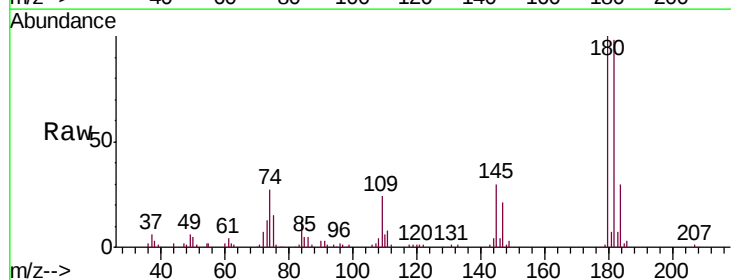
Tgt Ion:180 Resp: 71646

Ion Ratio Lower Upper

180 100

182 97.3 47.8 143.3

145 31.3 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

