

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025039.D
 Acq On : 28 Jun 2018 23:34
 Operator : MD/SY
 Sample : VU0628MBS03
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Quant Time: Jun 29 05:13:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	178002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	276189	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	253653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146590	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145748	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	4.89	113	117679	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	7.57	98	384495	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	10.31	95	156889	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	38792	17.411	ug/l	98
3) Chloromethane	1.33	50	43368	19.052	ug/l	96
4) Vinyl Chloride	1.40	62	45526	19.394	ug/l	97
5) Bromomethane	1.62	94	30372	26.764	ug/l	99
6) Chloroethane	1.70	64	29599	21.974	ug/l	100
7) Trichlorofluoromethane	1.89	101	73914	20.632	ug/l	100
8) Diethyl Ether	2.10	74	28480	22.318	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43805	19.710	ug/l	97
10) Methyl Iodide	2.41	142	46196	27.251	ug/l	97
11) Tert butyl alcohol	2.82	59	69802	98.765	ug/l	100
12) 1,1-Dichloroethene	2.29	96	40086	19.778	ug/l	98
13) Acrolein	2.19	56	16706	45.014	ug/l	98
14) Allyl chloride	2.60	41	67188	17.854	ug/l	98
15) Acrylonitrile	2.93	53	143623	104.449	ug/l	99
16) Acetone	2.32	43	136344	87.325	ug/l	99
17) Carbon Disulfide	2.48	76	114159	17.590	ug/l	100
18) Methyl Acetate	2.62	43	82029	24.507	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	161981	21.261	ug/l	96
20) Methylene Chloride	2.70	84	49753	20.308	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	45239	20.265	ug/l	95
22) Diisopropyl ether	3.57	45	154454	20.704	ug/l	95
23) Vinyl Acetate	3.53	43	646193	96.697	ug/l	98
24) 1,1-Dichloroethane	3.45	63	89376	20.826	ug/l	98
25) 2-Butanone	4.26	43	210754	100.491	ug/l	96
26) 2,2-Dichloropropane	4.23	77	64754	15.890	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	54384	21.191	ug/l	96
28) Bromochloromethane	4.55	49	39541	20.918	ug/l	87
29) Tetrahydrofuran	4.64	42	132935	102.356	ug/l	96
30) Chloroform	4.68	83	92078	21.198	ug/l	97
31) Cyclohexane	5.00	56	81741	20.275	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	86116	21.439	ug/l	96
36) 1,1-Dichloropropene	5.14	75	65719	20.250	ug/l	98
37) Ethyl Acetate	4.38	43	75480	21.338	ug/l	96
38) Carbon Tetrachloride	5.14	117	73534	20.604	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	79133	19.539	ug/l	95
40) Benzene	5.39	78	194257	21.006	ug/l	99
41) Methacrylonitrile	4.55	41	41971	22.007	ug/l	96
42) 1,2-Dichloroethane	5.41	62	80417	22.832	ug/l	99
43) Isopropyl Acetate	5.55	43	122786	20.082	ug/l	99
44) Trichloroethene	6.19	130	54148	20.574	ug/l	98
45) 1,2-Dichloropropane	6.44	63	50329	20.397	ug/l	95
46) Dibromomethane	6.56	93	37892	21.862	ug/l	97
47) Bromodichloromethane	6.76	83	68883	19.958	ug/l	99
48) Methyl methacrylate	6.63	41	63934	21.474	ug/l	98
49) 1,4-Dioxane	6.62	88	27912	479.378	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	399549	104.012	ug/l	98
52) Toluene	7.64	92	125699	21.127	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	73494	18.962	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	77080	18.664	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	50348	20.818	ug/l	98
56) Ethyl methacrylate	8.02	69	81310	20.087	ug/l	99
57) 1,3-Dichloropropane	8.25	76	87039	21.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	33340	21.499	ug/l	93
59) 2-Hexanone	8.36	43	309250	98.610	ug/l	99
60) Dibromochloromethane	8.48	129	57628	19.109	ug/l	97
61) 1,2-Dibromoethane	8.59	107	56680	21.056	ug/l	100
64) Tetrachloroethene	8.23	164	52085	21.602	ug/l	97
65) Chlorobenzene	9.12	112	138901	21.436	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53261	21.635	ug/l	99
67) Ethyl Benzene	9.25	91	241965	21.300	ug/l	96
68) m/p-Xylenes	9.38	106	188231	43.151	ug/l	96
69) o-Xylene	9.78	106	95902	22.215	ug/l	96
70) Styrene	9.80	104	146192	20.607	ug/l	97
71) Bromoform	9.96	173	43582	18.625	ug/l #	98
73) Isopropylbenzene	10.17	105	252646	22.448	ug/l	99
74) N-amyl acetate	10.01	43	104012	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	84551	22.419	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	96729	29.971	ug/l	85
77) Bromobenzene	10.45	156	62373	21.891	ug/l	95
78) n-propylbenzene	10.59	91	278026	20.971	ug/l	98
79) 2-Chlorotoluene	10.66	91	170266	21.778	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	215629	22.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	96729	69.366	ug/l #	100
82) 4-Chlorotoluene	10.78	91	193823	21.300	ug/l	99
83) tert-Butylbenzene	11.10	119	212325	22.628	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215924	21.720	ug/l	100
85) sec-Butylbenzene	11.33	105	252971	21.538	ug/l	97
86) p-Isopropyltoluene	11.48	119	220756	20.985	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	111993	21.275	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	111886	21.118	ug/l	98
89) n-Butylbenzene	11.89	91	167509	17.936	ug/l	97
90) Hexachloroethane	12.15	117	38503	18.763	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	119098	22.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21348	20.514	ug/l	93

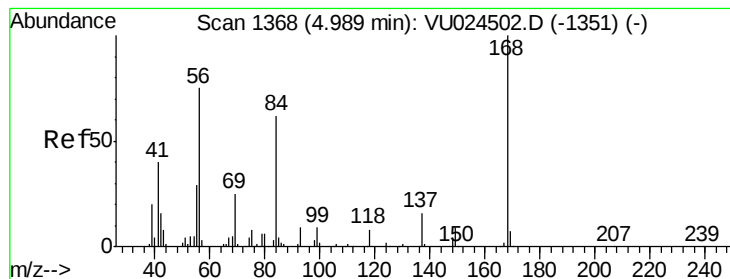
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	69728	21.416	ug/l	99
94) Hexachlorobutadiene	13.70	225	37626	20.531	ug/l	99
95) Naphthalene	13.75	128	242955	22.913	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75805	23.365	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

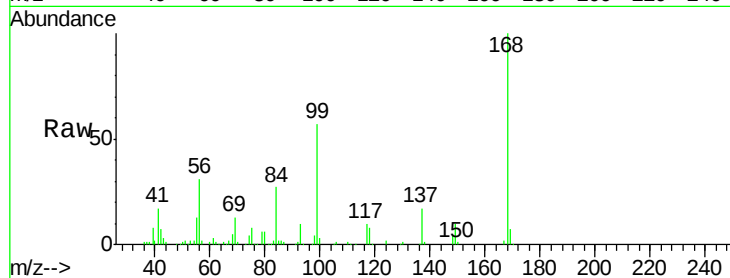
VU0628MBS03

Tgt Ion:168 Resp: 178002

Ion Ratio Lower Upper

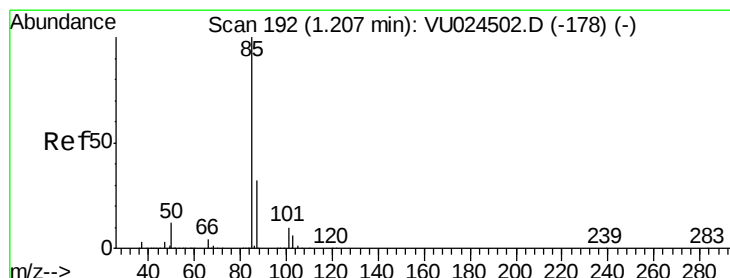
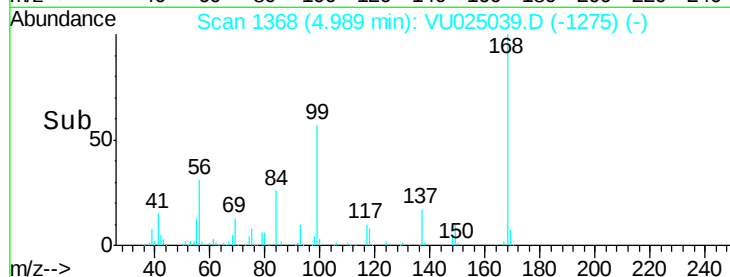
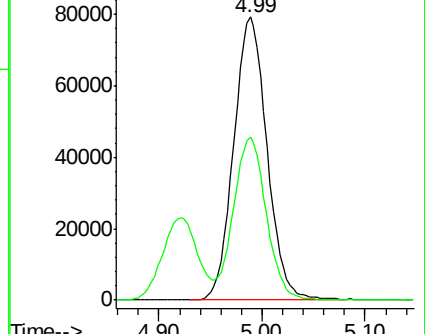
168 100

99 57.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 17.411 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025039.D

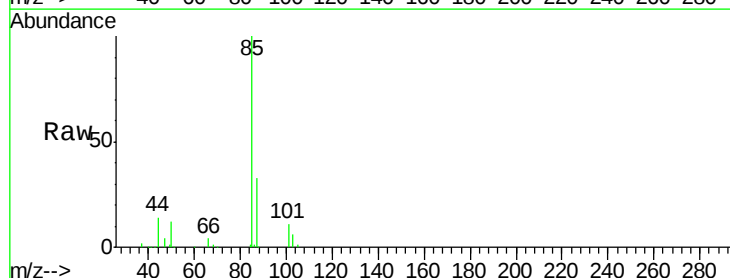
Acq: 28 Jun 2018 23:34

Tgt Ion: 85 Resp: 38792

Ion Ratio Lower Upper

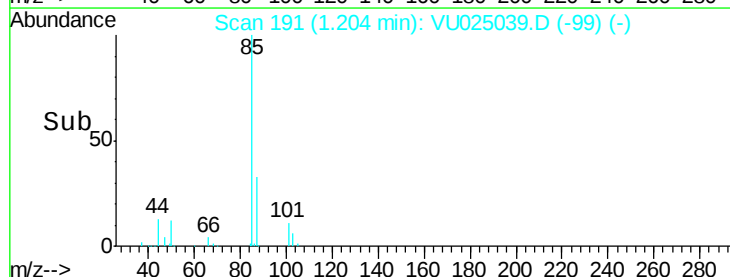
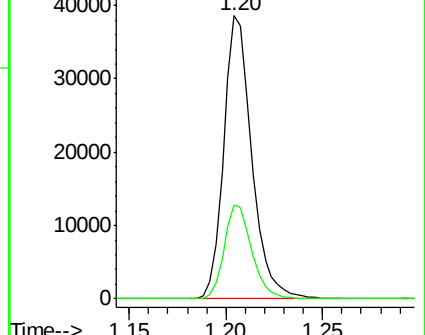
85 100

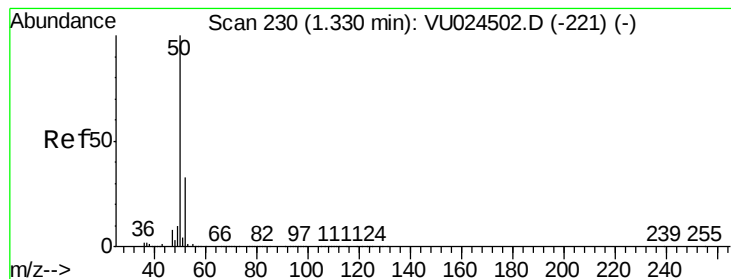
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 19.052 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

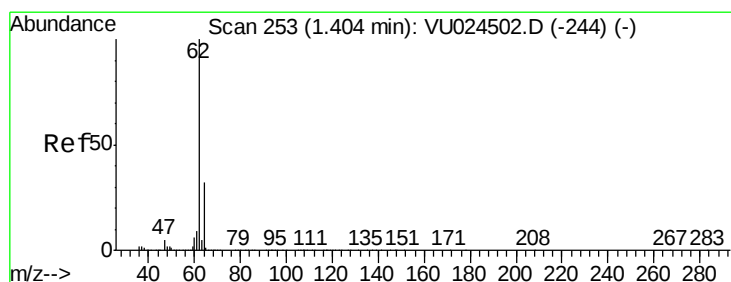
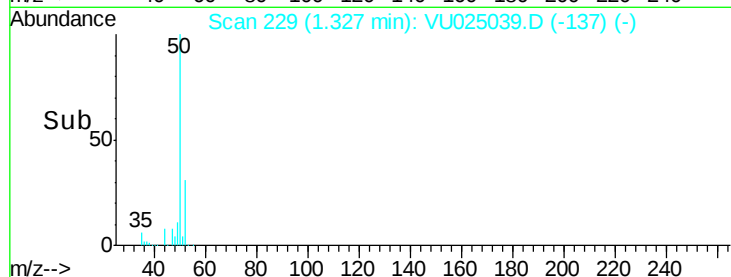
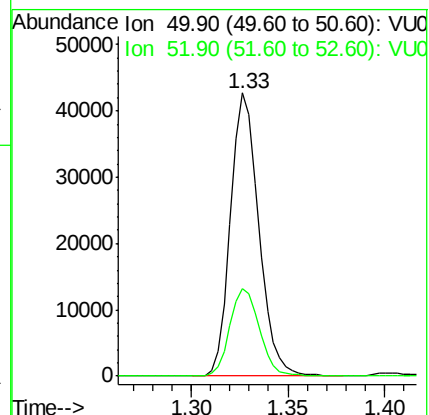
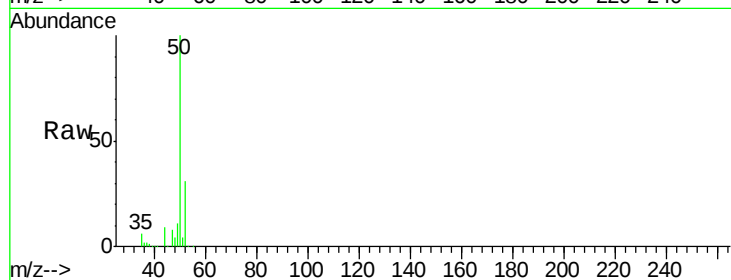
VU0628MBS03

Tgt Ion: 50 Resp: 43368

Ion Ratio Lower Upper

50 100

52 30.8 26.4 39.6



#4

Vinyl Chloride

Concen: 19.394 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025039.D

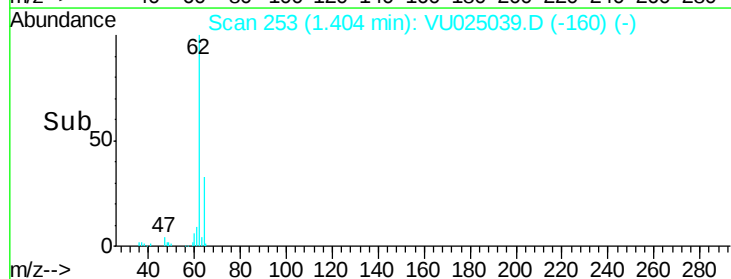
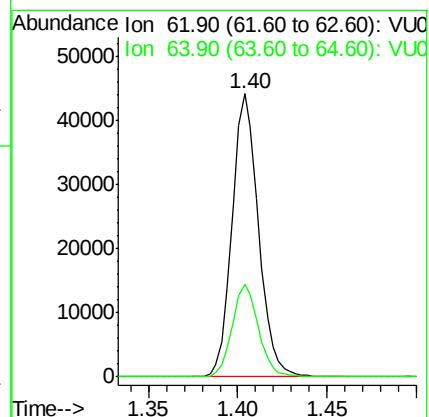
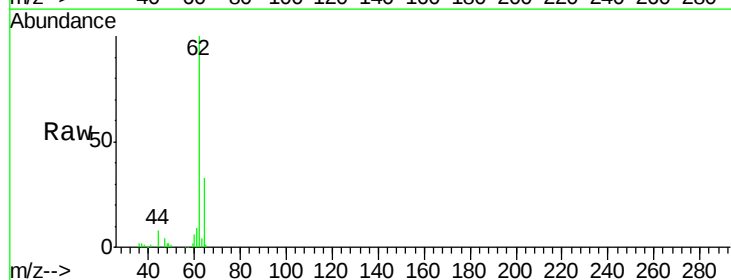
Acq: 28 Jun 2018 23:34

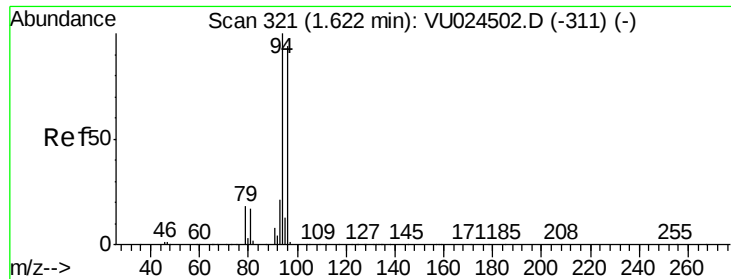
Tgt Ion: 62 Resp: 45526

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 26.764 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

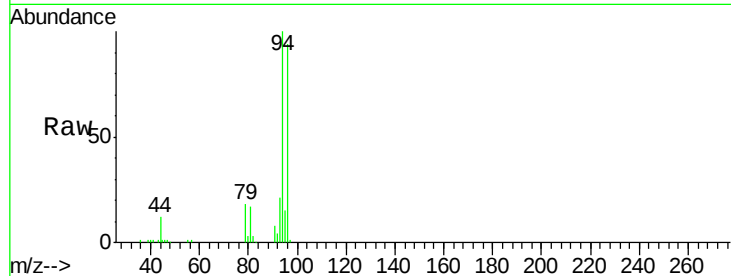
VU0628MBS03

Tgt Ion: 94 Resp: 30372

Ion Ratio Lower Upper

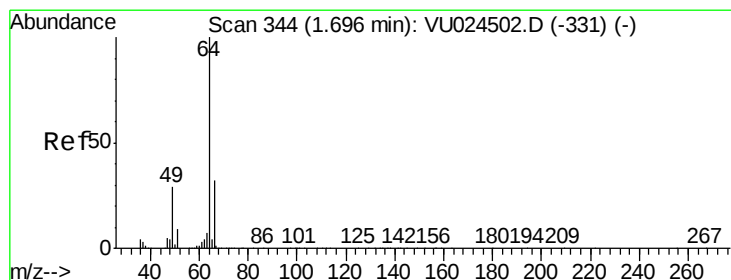
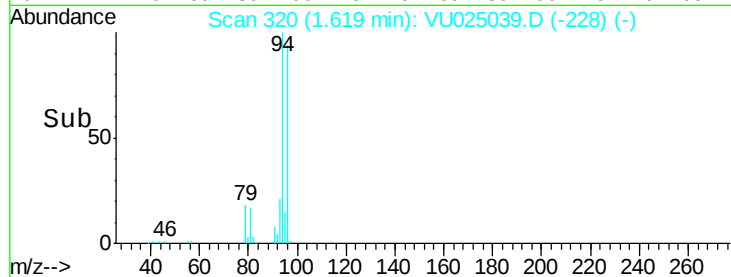
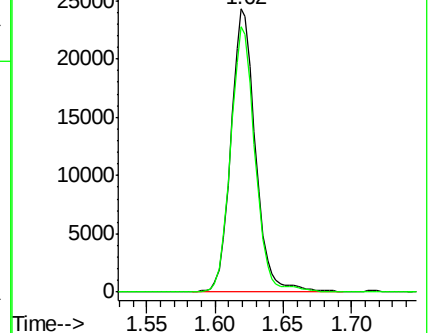
94 100

96 93.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.974 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025039.D

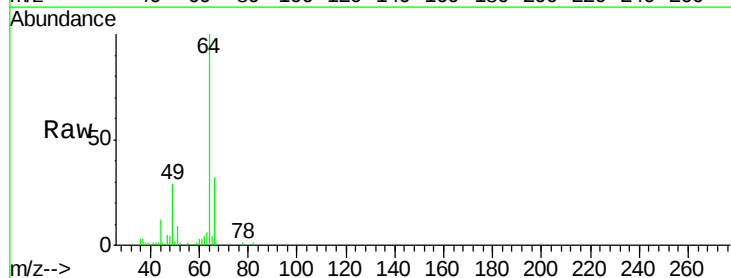
Acq: 28 Jun 2018 23:34

Tgt Ion: 64 Resp: 29599

Ion Ratio Lower Upper

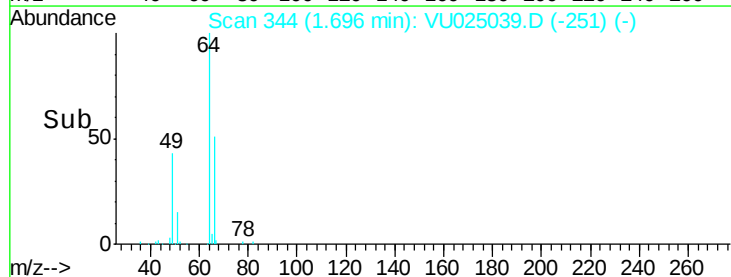
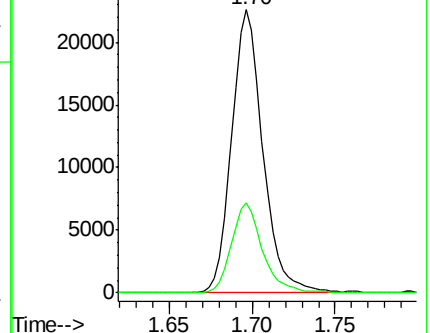
64 100

66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



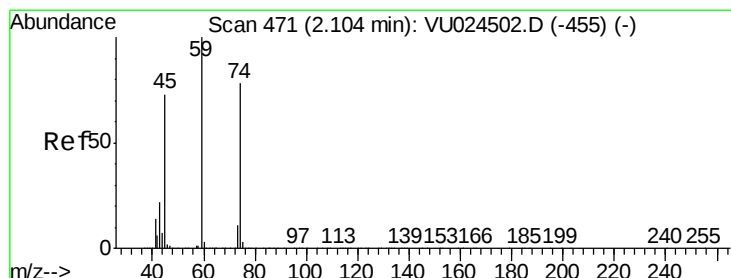
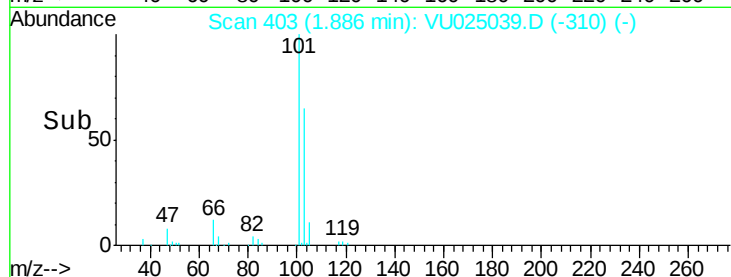
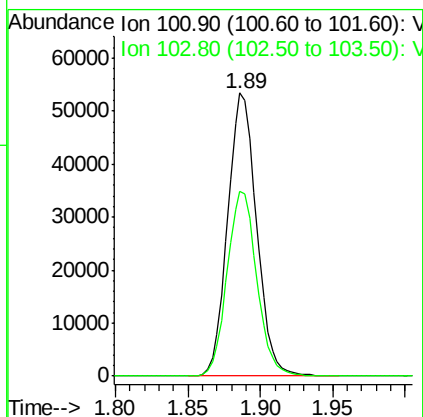
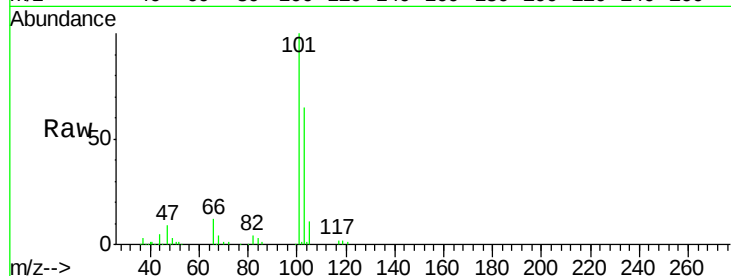


#7

Trichlorofluoromethane
 Concen: 20.632 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

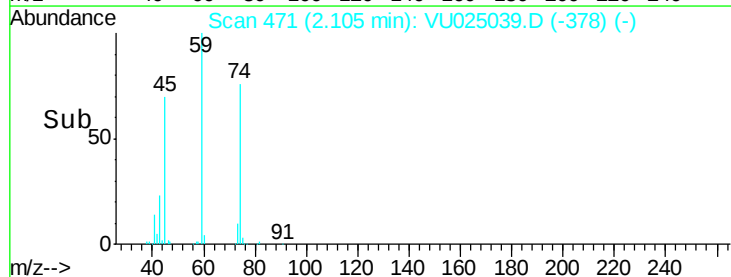
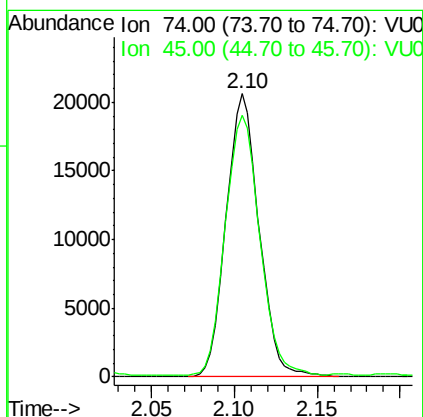
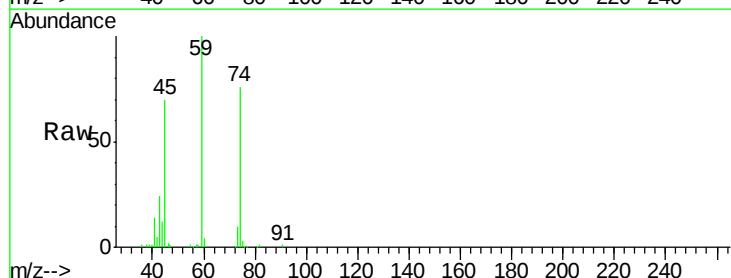
Tgt Ion:101 Resp: 73914
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.3 78.5



#8

Diethyl Ether
 Concen: 22.318 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 74 Resp: 28480
 Ion Ratio Lower Upper
 74 100
 45 96.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.710 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

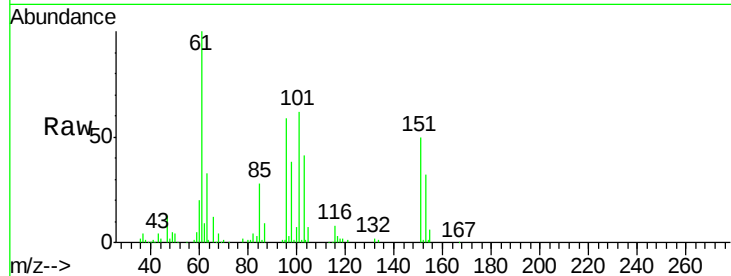
Tgt Ion:101 Resp: 43805

Ion Ratio Lower Upper

101 100

85 45.8 36.0 54.0

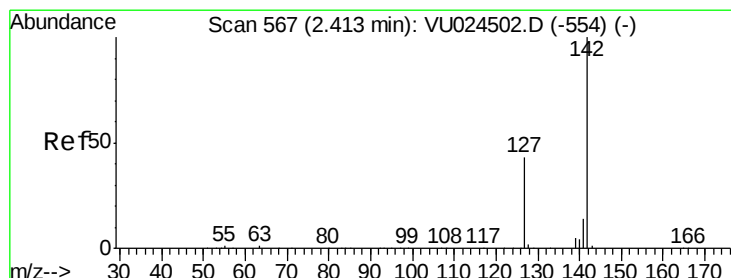
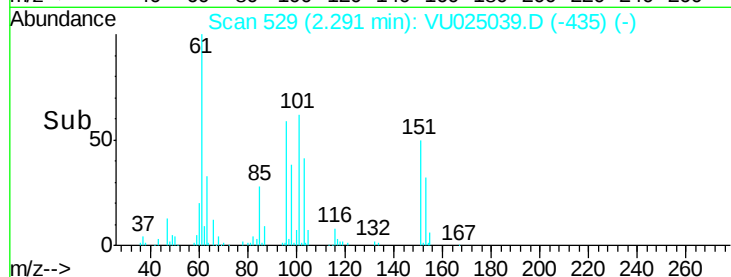
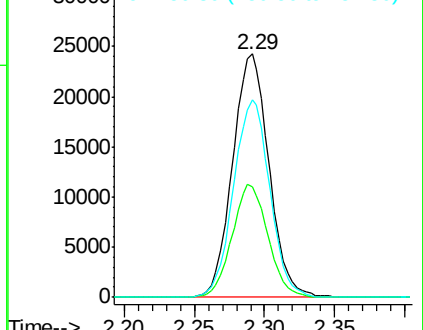
151 81.1 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 27.251 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

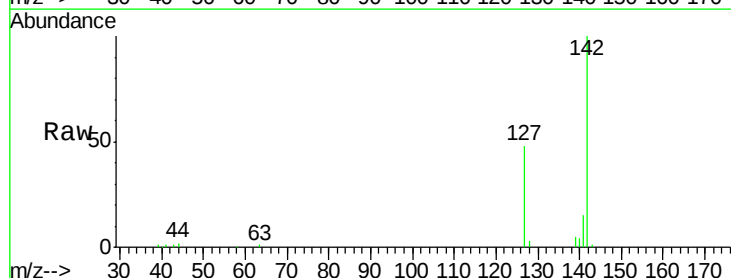
Tgt Ion:142 Resp: 46196

Ion Ratio Lower Upper

142 100

127 47.3 35.6 53.4

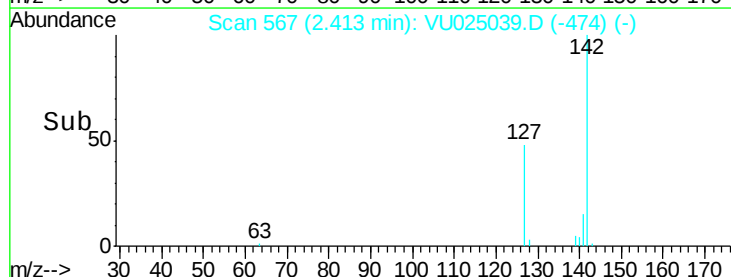
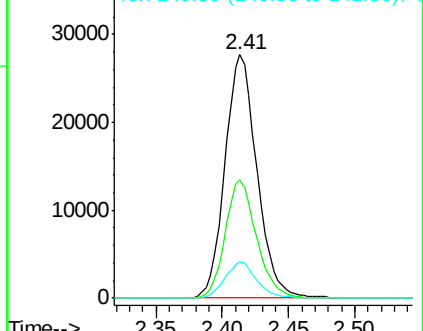
141 14.5 11.7 17.5

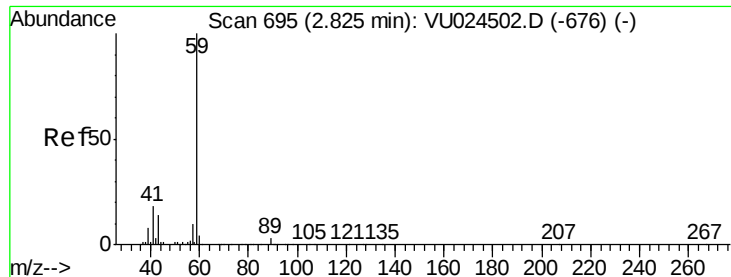


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

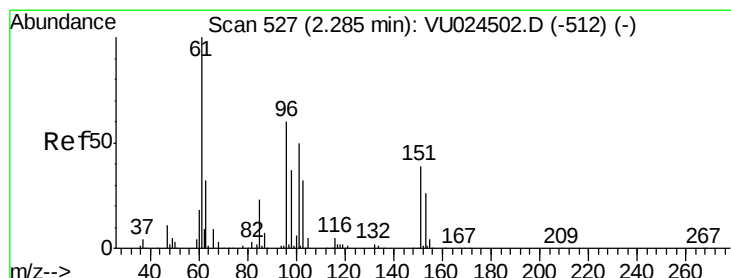
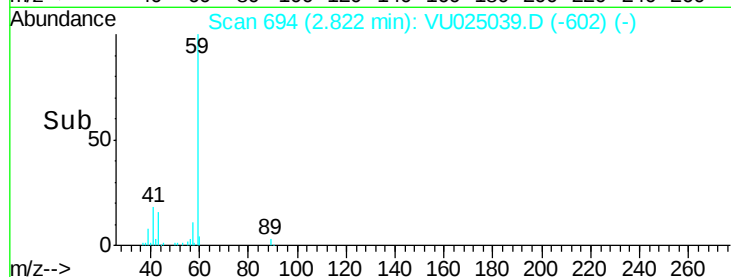
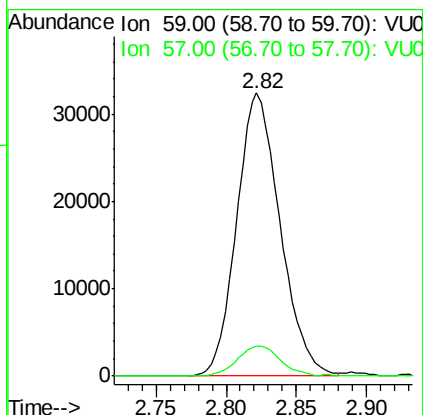
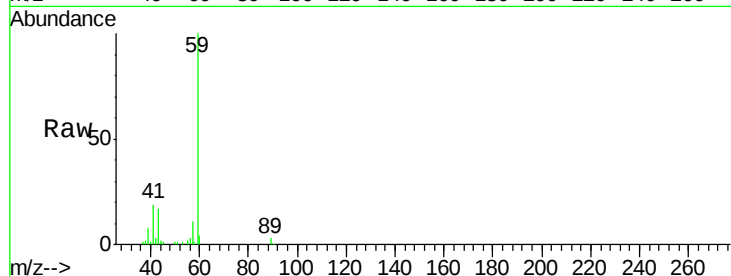




#11
Tert butyl alcohol
Concen: 98.765 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

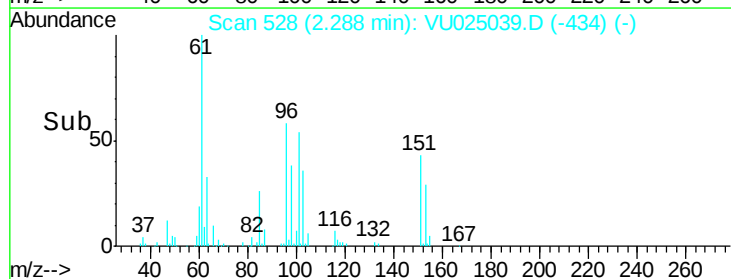
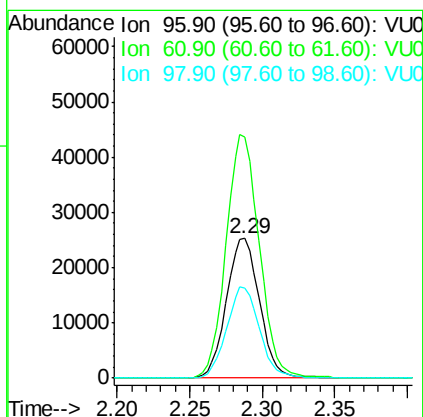
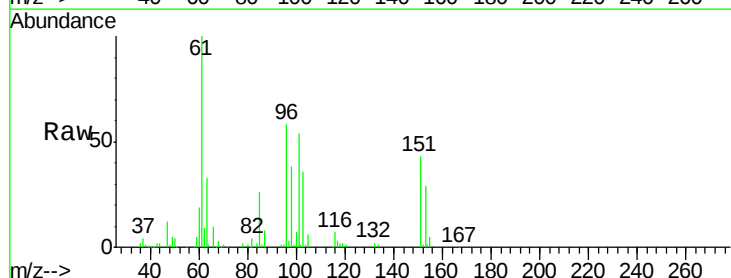
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

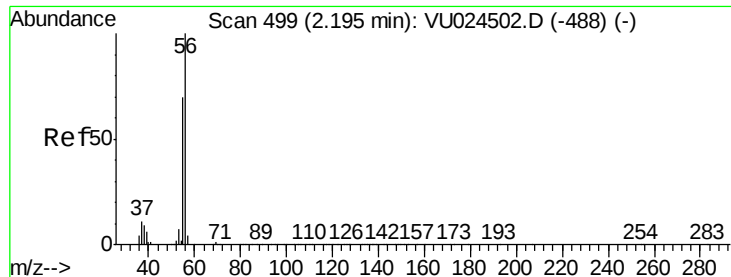
Tgt Ion: 59 Resp: 69802
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.778 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 96 Resp: 40086
Ion Ratio Lower Upper
96 100
61 172.5 141.7 212.5
98 64.8 51.6 77.4





#13

Acrolein

Concen: 45.014 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

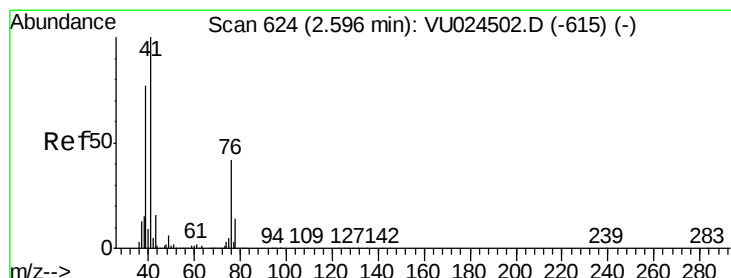
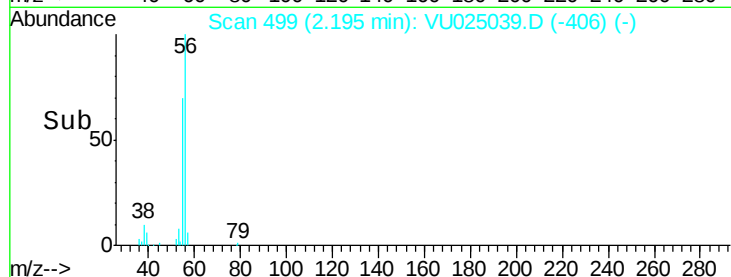
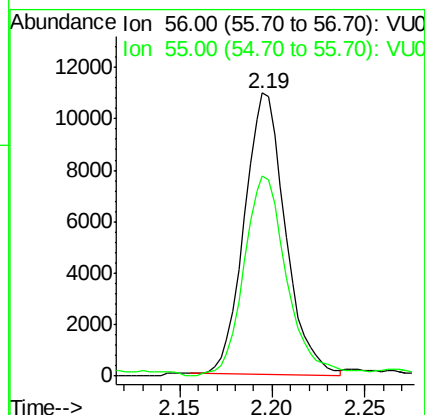
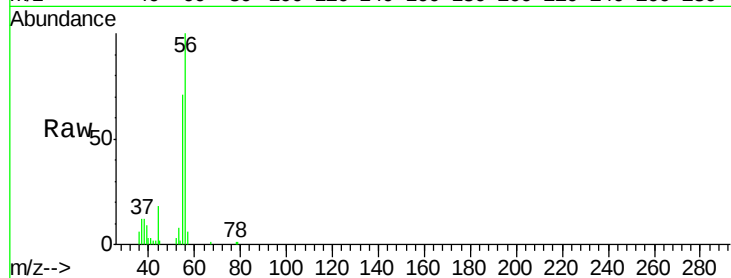
VU0628MBS03

Tgt Ion: 56 Resp: 16706

Ion Ratio Lower Upper

56 100

55 74.5 58.4 87.6



#14

Allyl chloride

Concen: 17.854 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

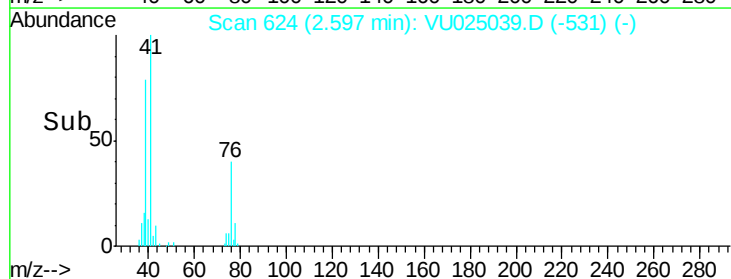
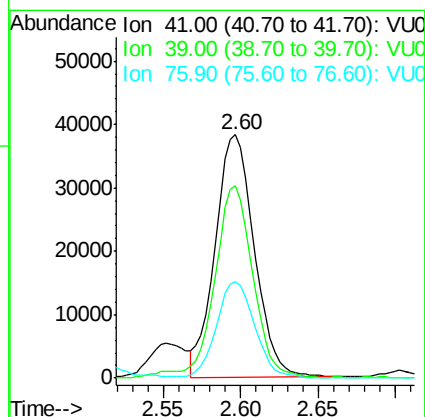
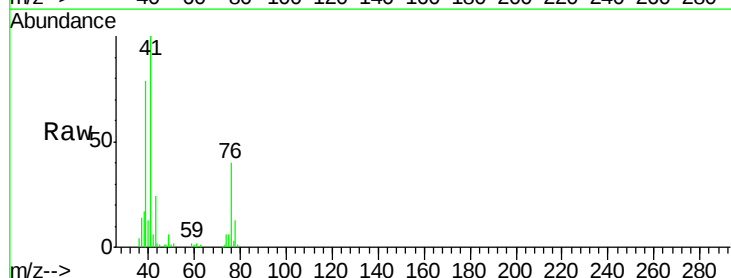
Tgt Ion: 41 Resp: 67188

Ion Ratio Lower Upper

41 100

39 78.7 61.6 92.4

76 38.3 29.7 44.5





#15

Acrylonitrile

Concen: 104.449 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

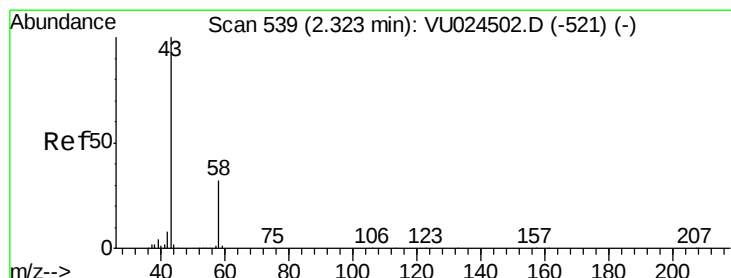
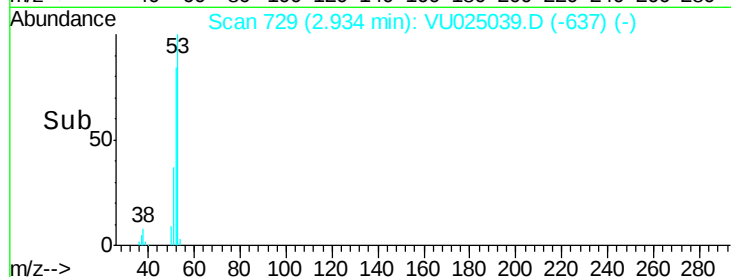
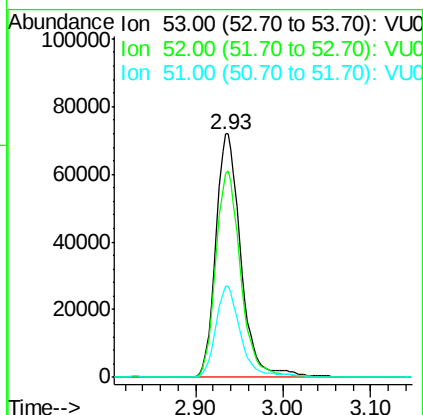
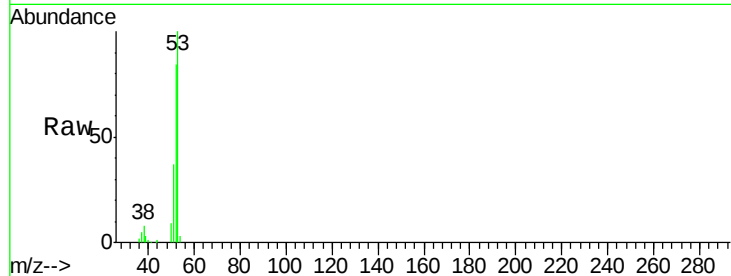
Tgt Ion: 53 Resp: 143623

Ion Ratio Lower Upper

53 100

52 83.8 67.1 100.7

51 37.3 28.4 42.6



#16

Acetone

Concen: 87.325 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025039.D

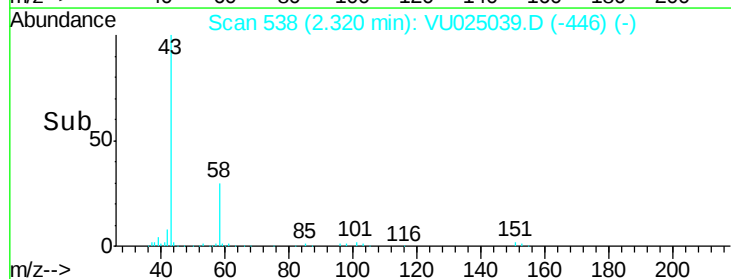
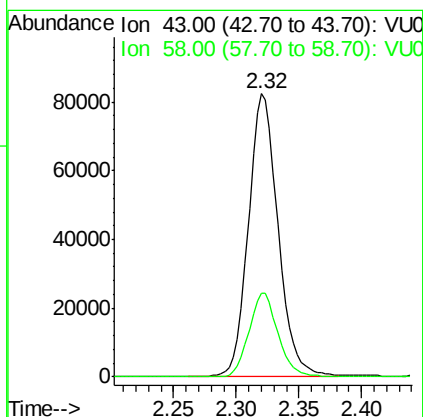
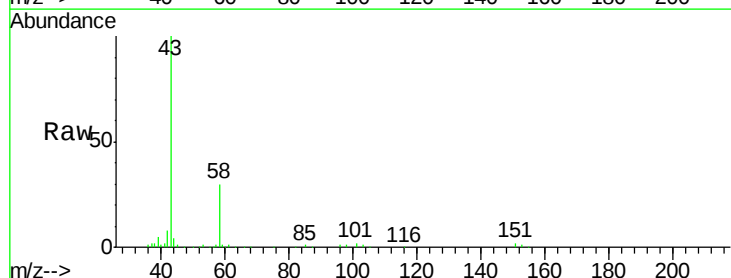
Acq: 28 Jun 2018 23:34

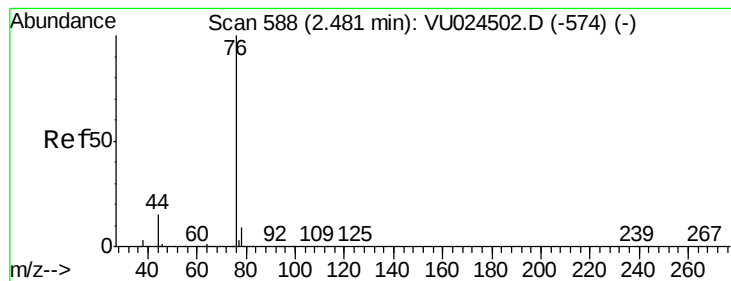
Tgt Ion: 43 Resp: 136344

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6





#17

Carbon Disulfide

Concen: 17.590 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

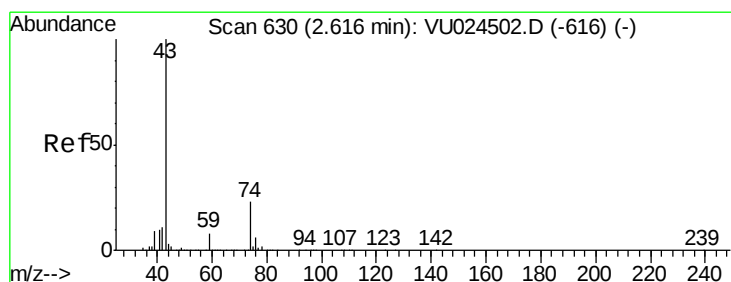
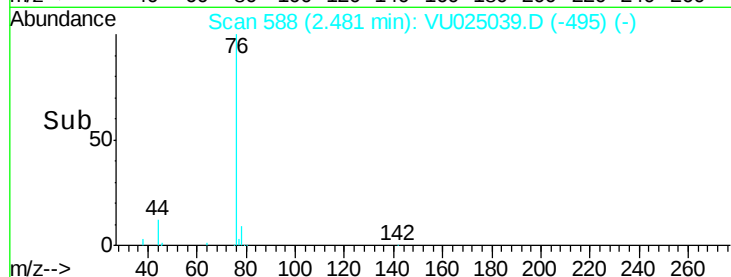
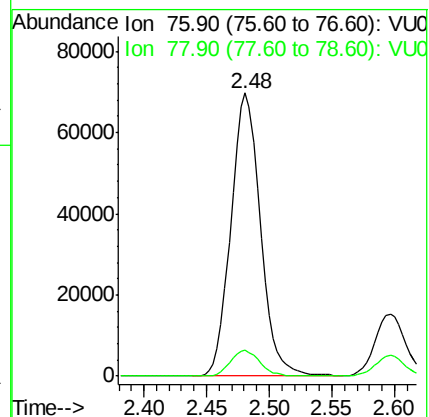
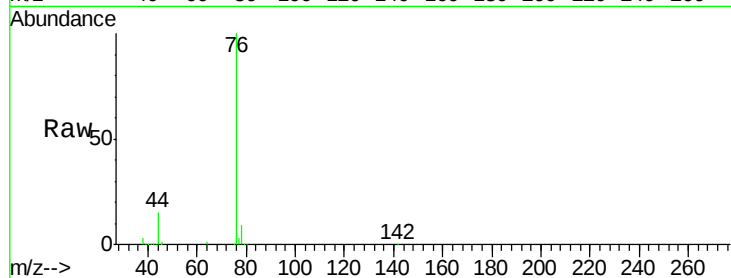
VU0628MBS03

Tgt Ion: 76 Resp: 114159

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 24.507 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025039.D

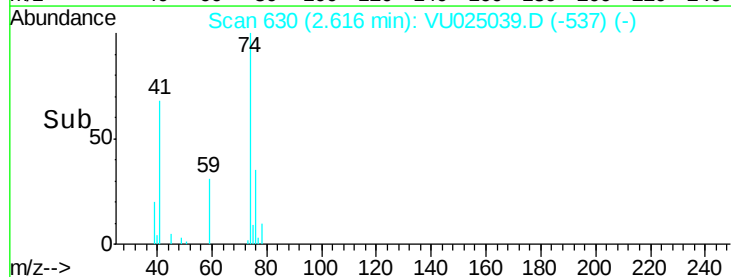
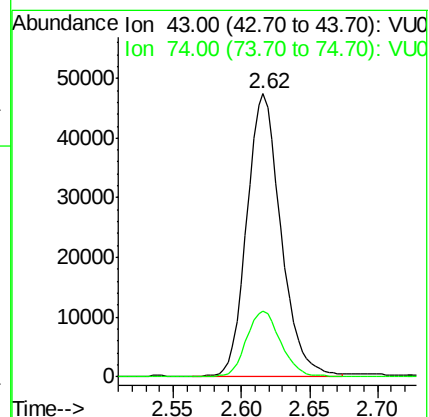
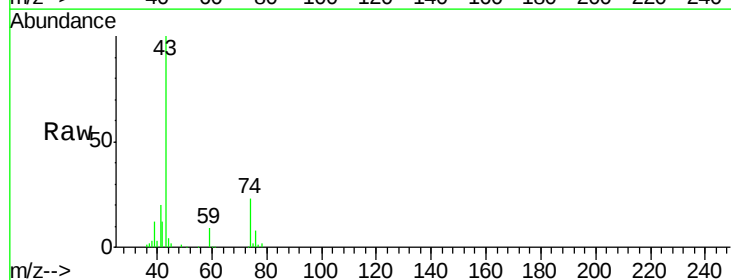
Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 82029

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0

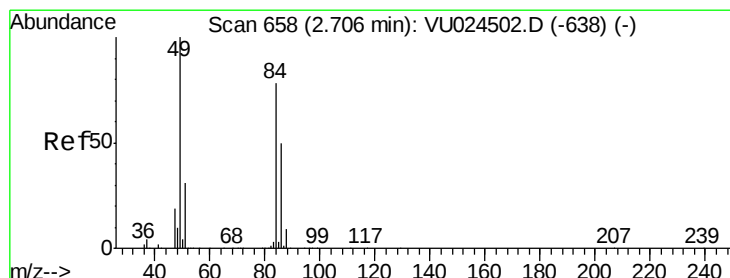
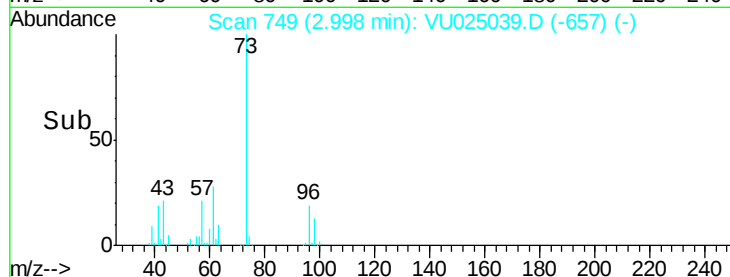
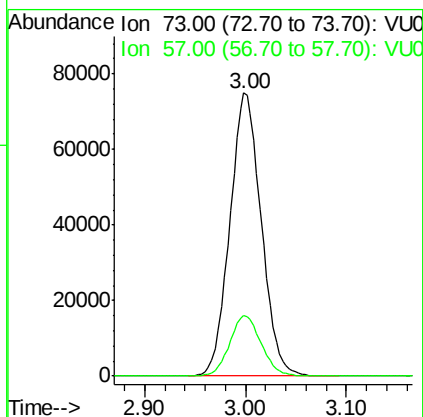
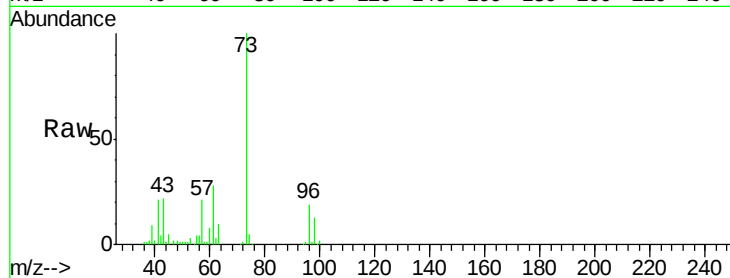




#19
Methyl tert-butyl Ether
Concen: 21.261 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

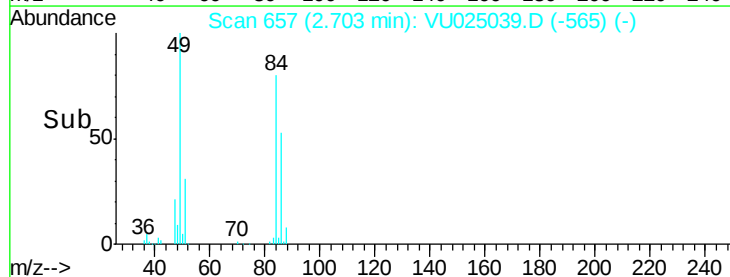
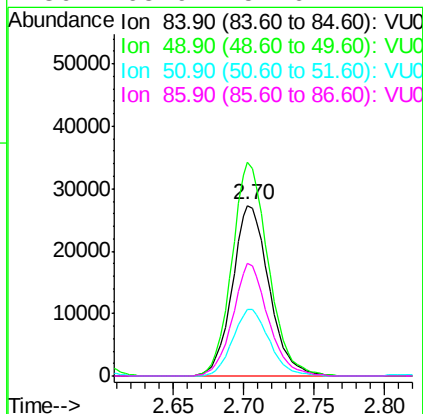
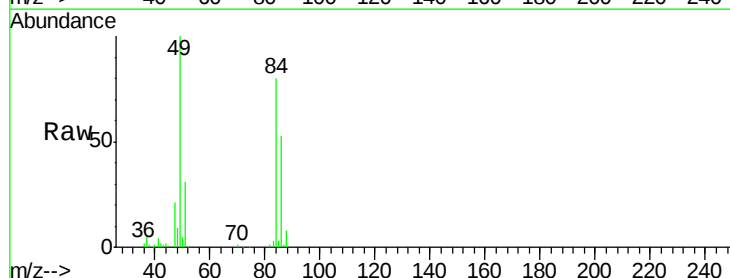
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

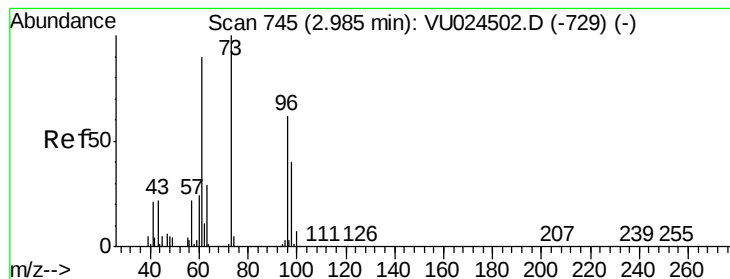
Tgt Ion: 73 Resp: 161981
Ion Ratio Lower Upper
73 100
57 21.3 18.8 28.2



#20
Methylene Chloride
Concen: 20.308 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 84 Resp: 49753
Ion Ratio Lower Upper
84 100
49 125.4 103.8 155.8
51 38.9 32.0 48.0
86 65.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.265 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

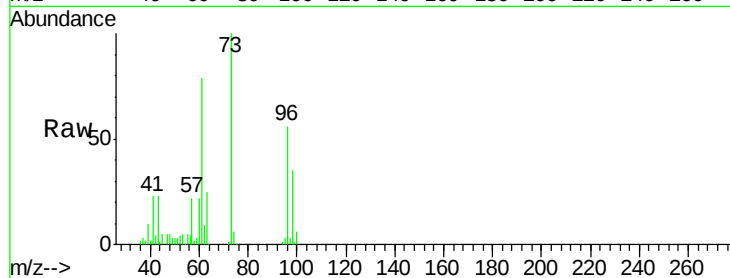
Tgt Ion: 96 Resp: 45239

Ion Ratio Lower Upper

96 100

61 140.9 119.4 179.0

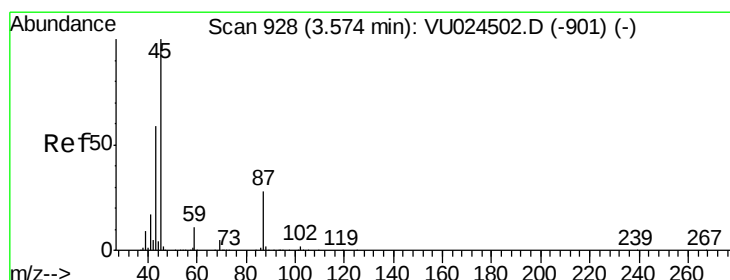
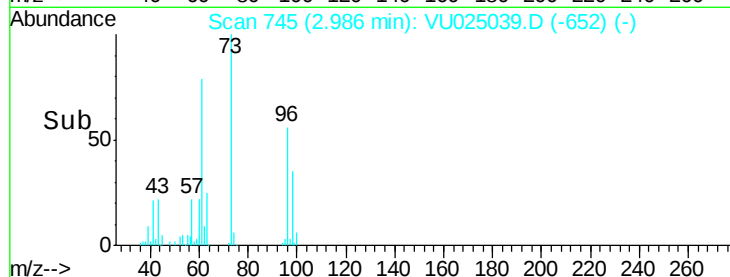
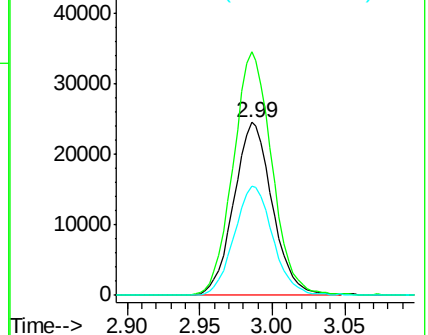
98 63.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025039.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025039.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025039.D (-652) (-)



#22

Diisopropyl ether

Concen: 20.704 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 45 Resp: 154454

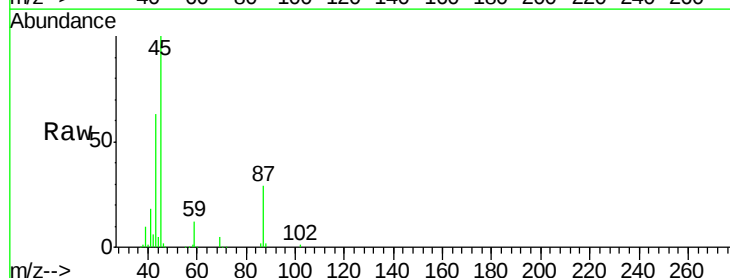
Ion Ratio Lower Upper

45 100

43 61.4 45.8 68.6

87 29.3 20.6 31.0

59 11.6 9.4 14.0

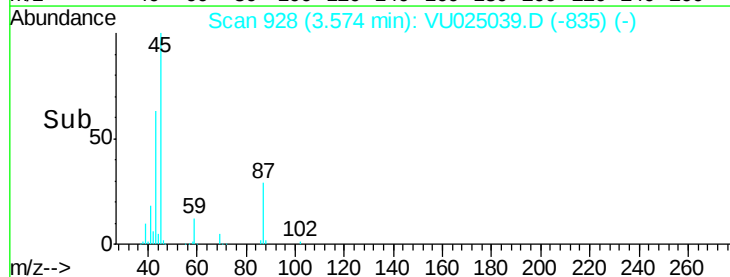
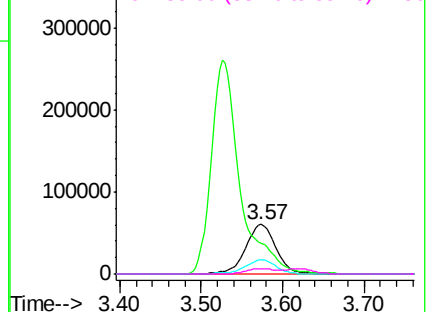


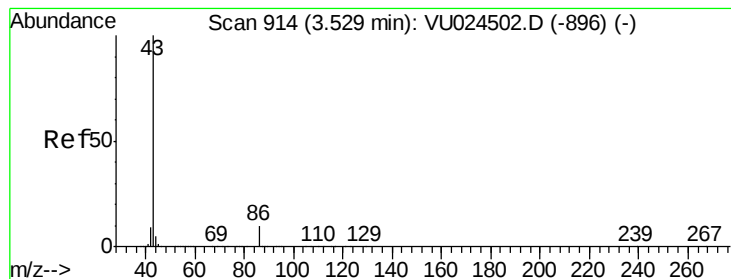
Abundance Ion 45.00 (44.70 to 45.70): VU025039.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU025039.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU025039.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU025039.D (-835) (-)





#23

Vinyl Acetate

Concen: 96.697 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

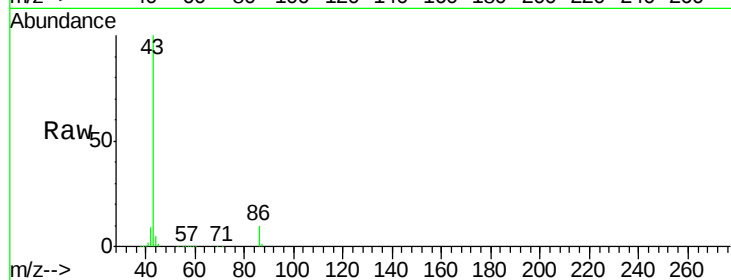
VU0628MBS03

Tgt Ion: 43 Resp: 646193

Ion Ratio Lower Upper

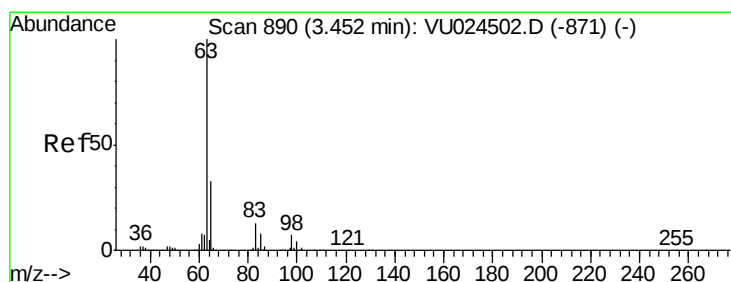
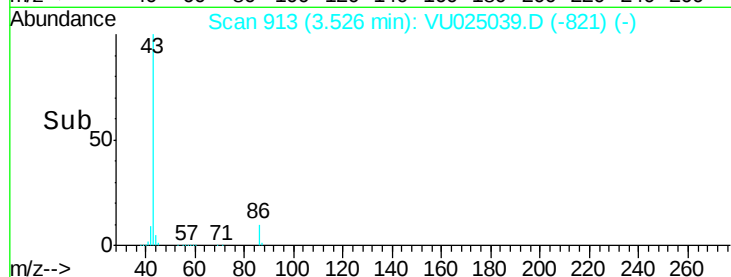
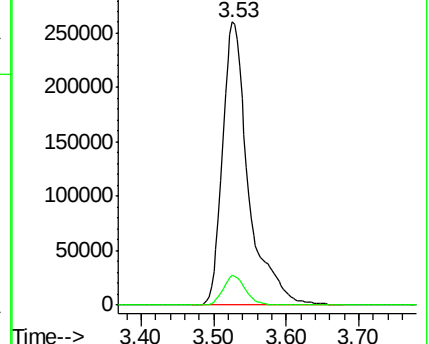
43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.826 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

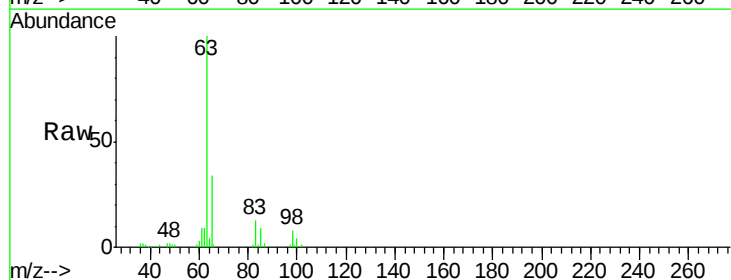
Tgt Ion: 63 Resp: 89376

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

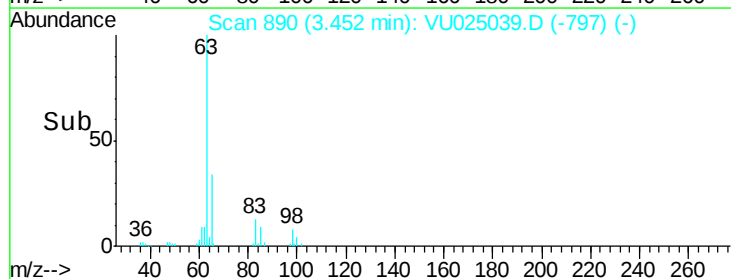
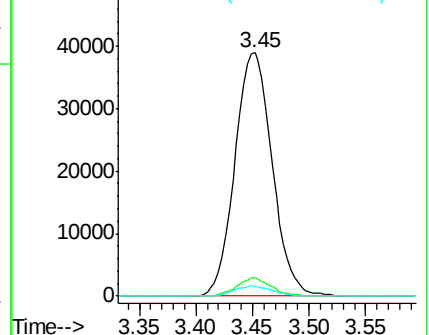
100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 100.491 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

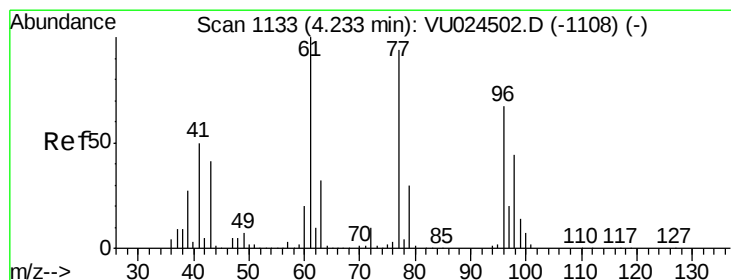
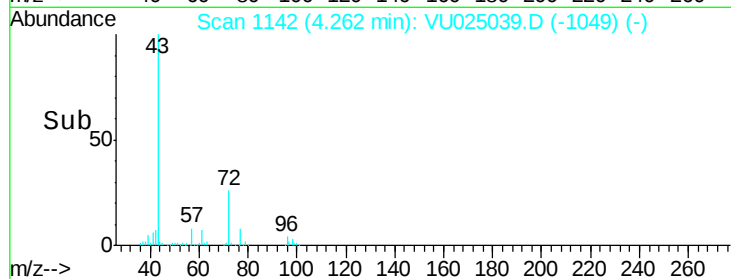
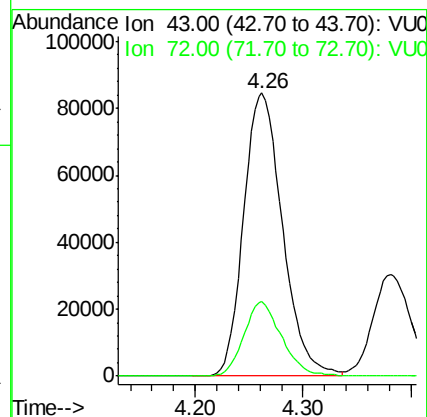
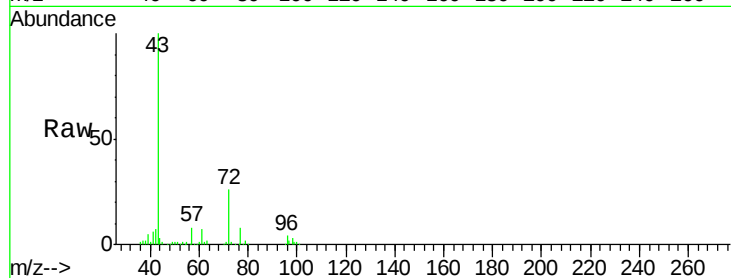
VU0628MBS03

Tgt Ion: 43 Resp: 210754

Ion Ratio Lower Upper

43 100

72 26.4 19.6 29.4



#26

2,2-Dichloropropane

Concen: 15.890 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025039.D

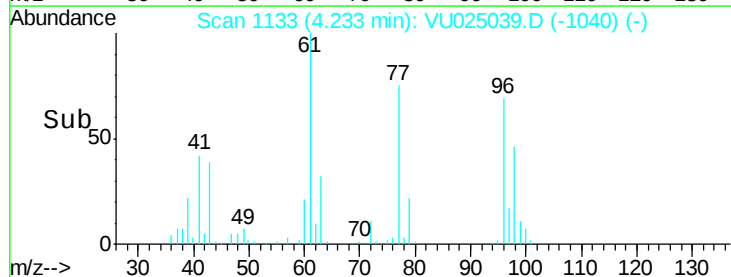
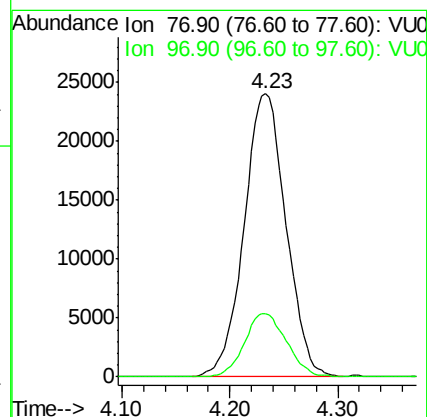
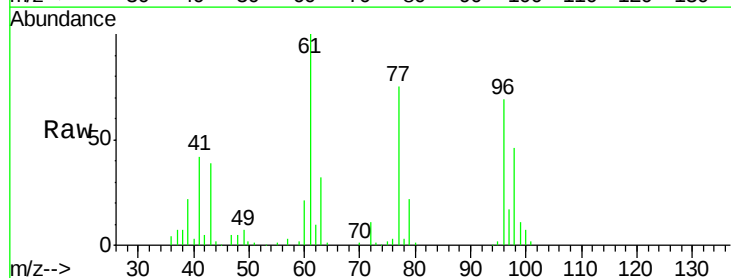
Acq: 28 Jun 2018 23:34

Tgt Ion: 77 Resp: 64754

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.8

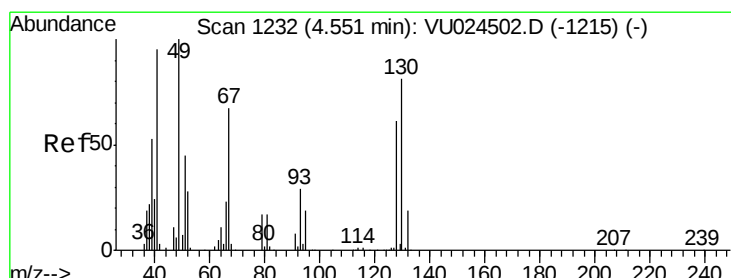
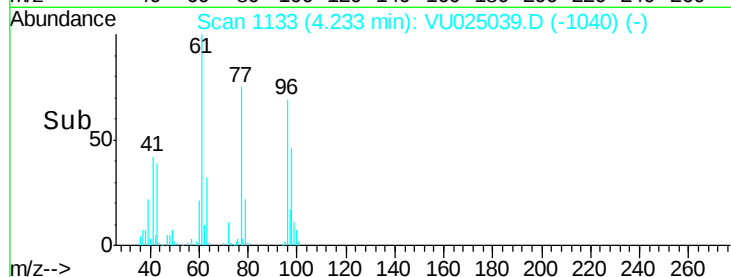
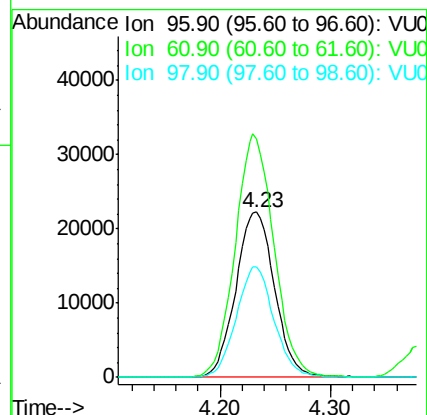
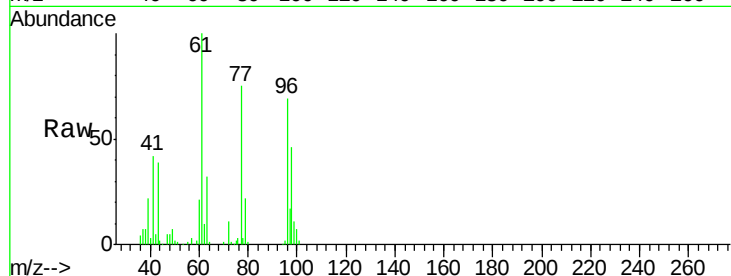




#27
 cis-1,2-Dichloroethene
 Concen: 21.191 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

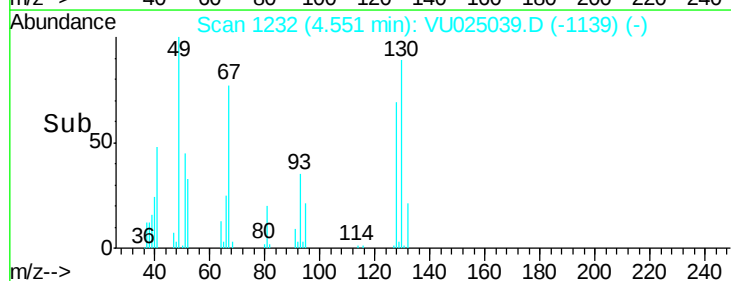
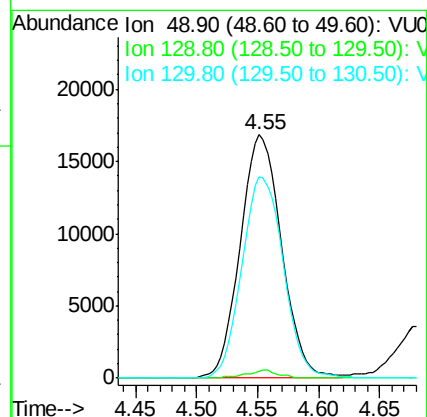
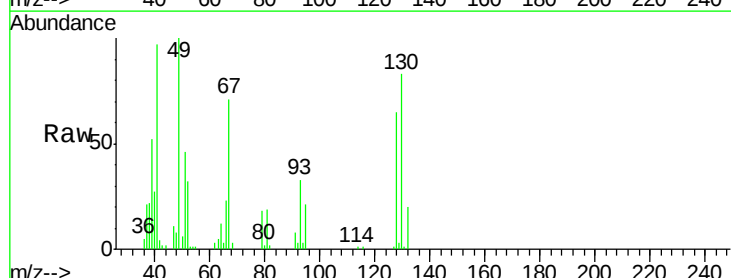
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tgt Ion: 96 Resp: 54384
 Ion Ratio Lower Upper
 96 100
 61 146.9 0.0 306.6
 98 64.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 20.918 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 49 Resp: 39541
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 3.8
 130 83.0 57.8 86.6





#29

Tetrahydrofuran

Concen: 102.356 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

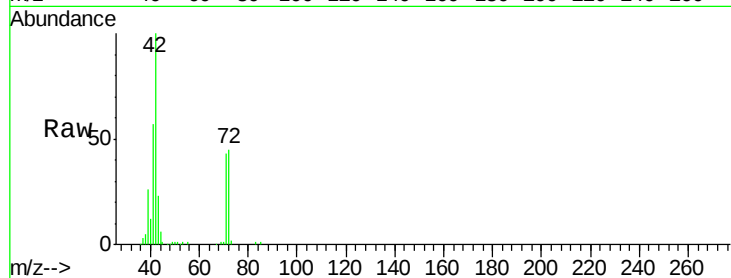
Tgt Ion: 42 Resp: 132935

Ion Ratio Lower Upper

42 100

72 45.5 34.5 51.7

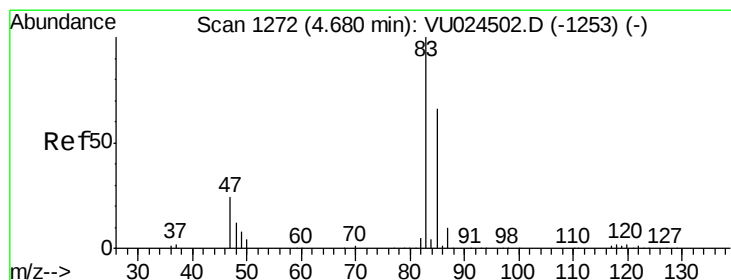
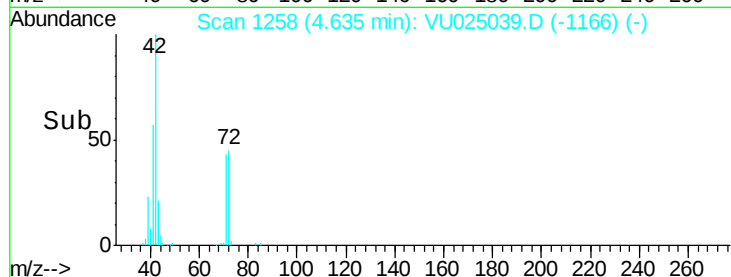
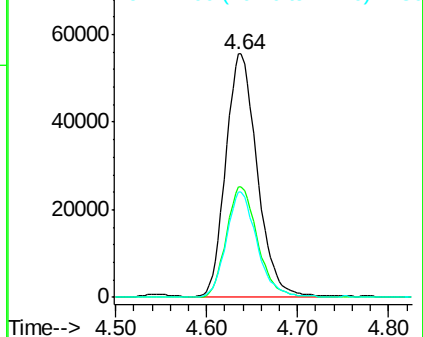
71 42.6 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 21.198 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU025039.D

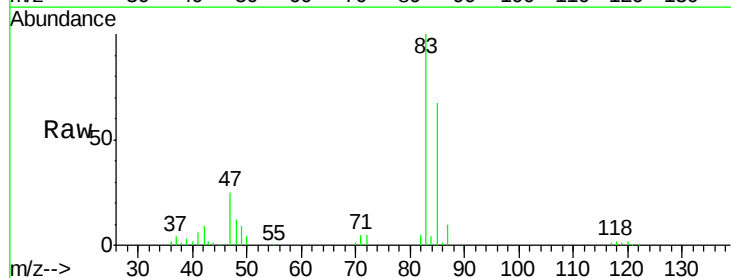
Acq: 28 Jun 2018 23:34

Tgt Ion: 83 Resp: 92078

Ion Ratio Lower Upper

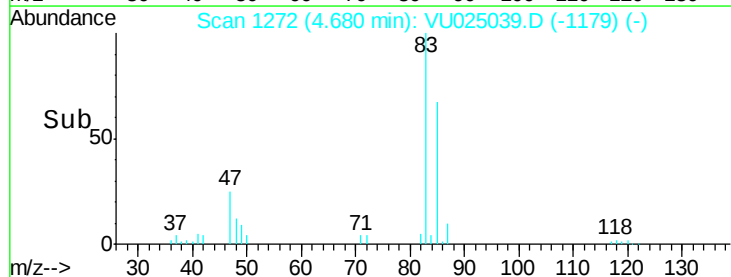
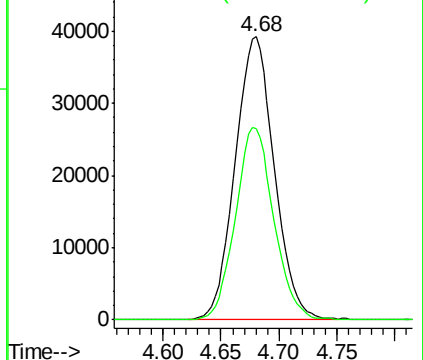
83 100

85 67.5 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

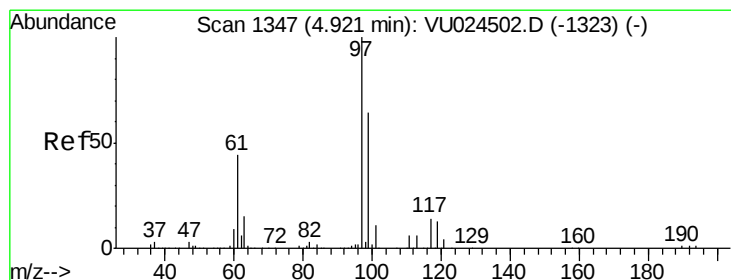
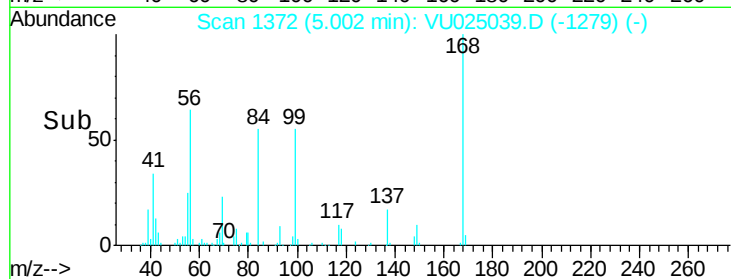
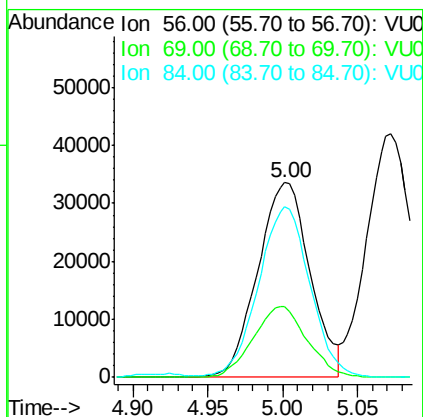
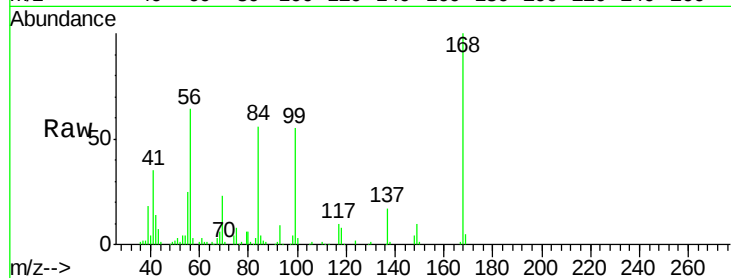




#31
Cyclohexane
Concen: 20.275 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

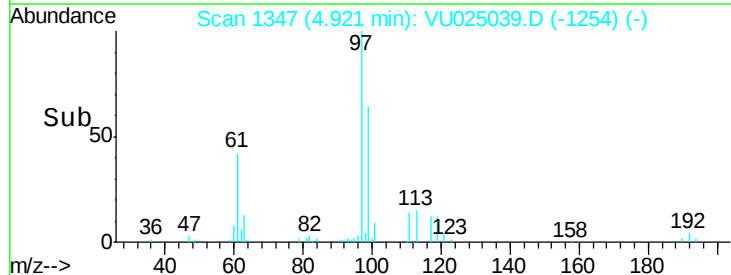
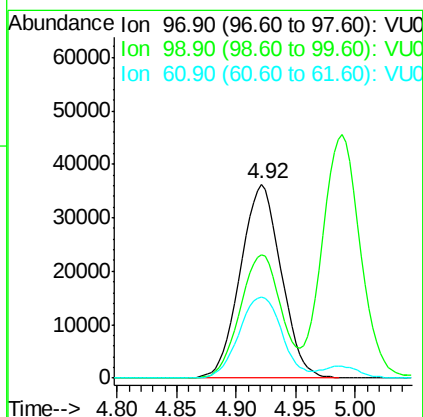
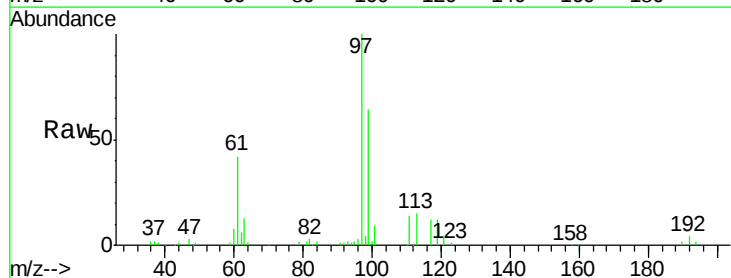
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion: 56 Resp: 81741
Ion Ratio Lower Upper
56 100
69 36.1 24.8 37.2
84 87.0 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.439 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 97 Resp: 86116
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 44.1 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 50.156 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

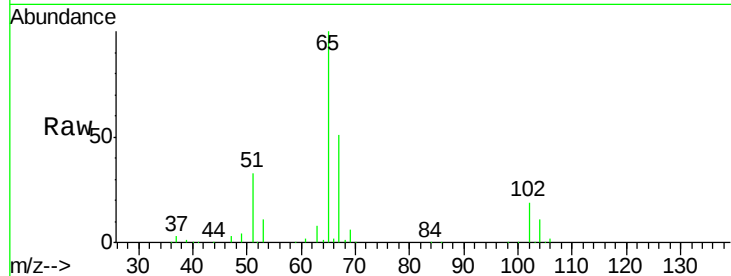
VU0628MBS03

Tgt Ion: 65 Resp: 145748

Ion Ratio Lower Upper

65 100

67 51.2 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025039.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025039.D (-1376) (-)

5.31

60000

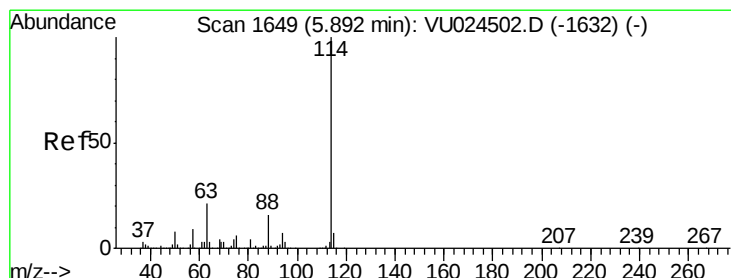
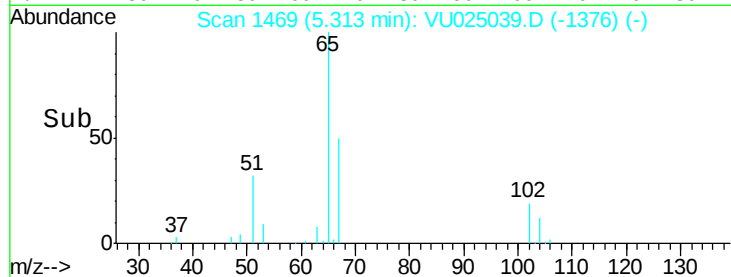
40000

20000

0

5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

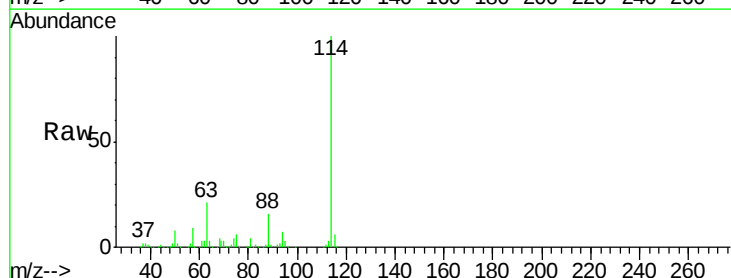
Tgt Ion: 114 Resp: 276189

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

88 16.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025039.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025039.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025039.D (-1556) (-)

5.89

150000

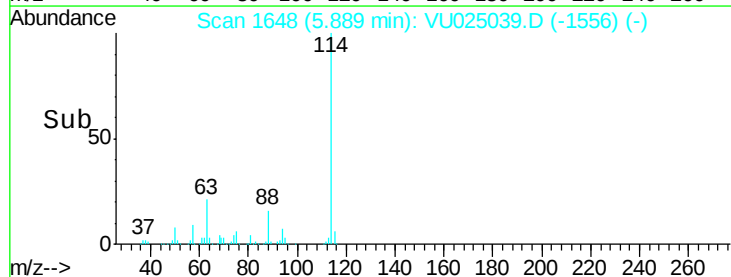
100000

50000

0

5.80 5.90 6.00

Time-->

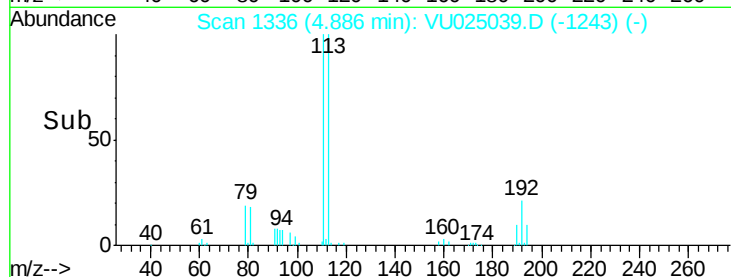
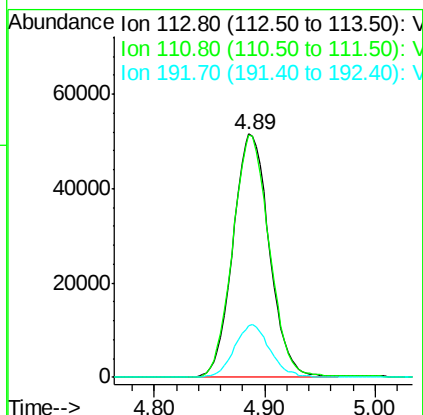
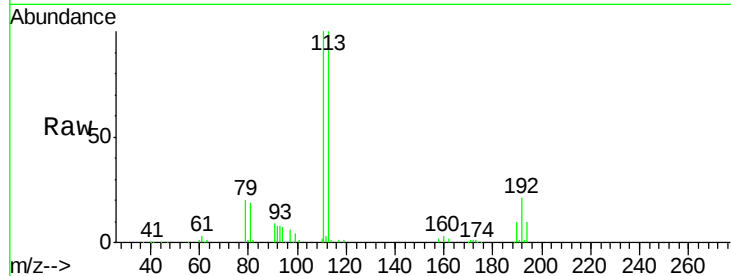




#35
 Dibromofluoromethane
 Concen: 51.340 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

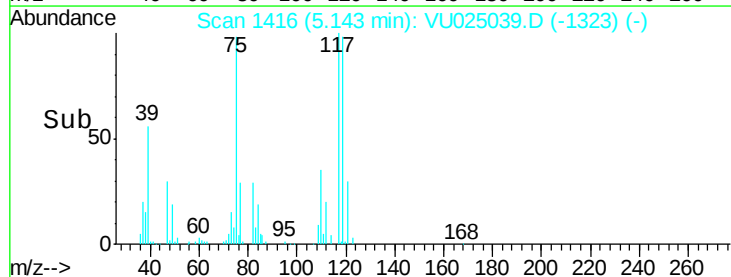
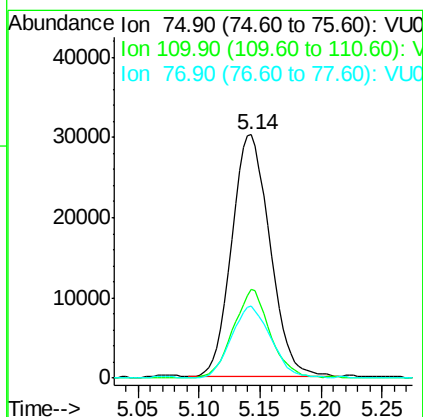
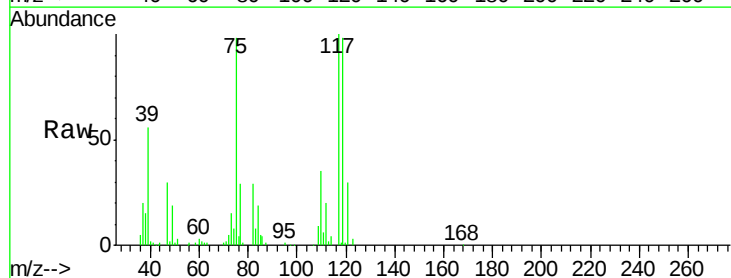
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

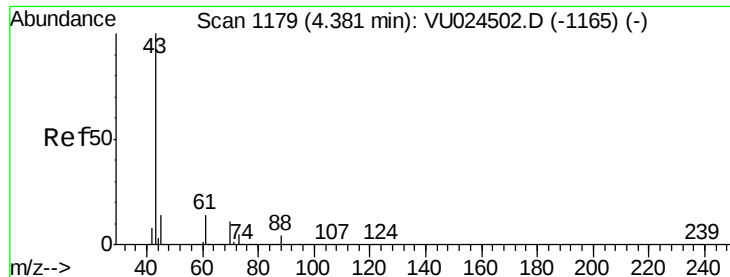
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.1	82.2	123.4
192	21.3	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 20.250 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.0	50.9
77	30.9	24.2	36.4

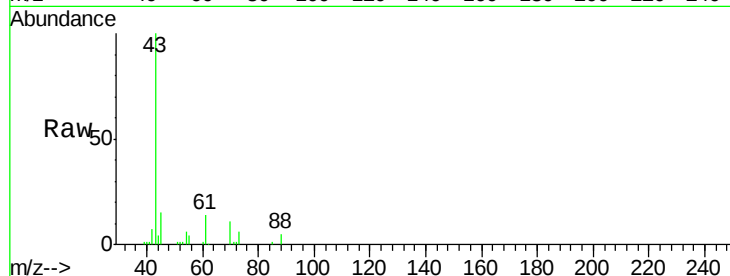




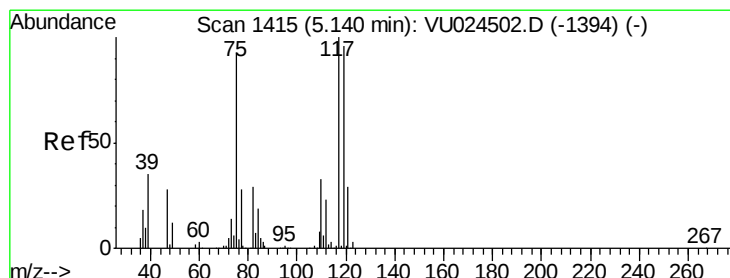
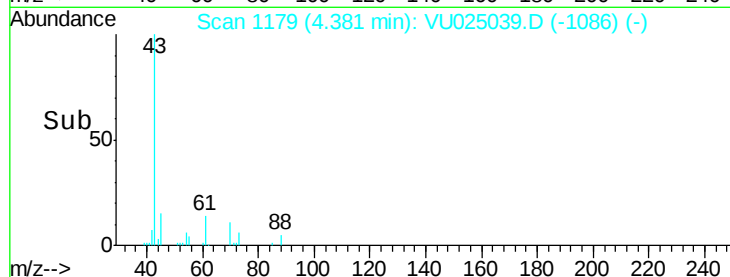
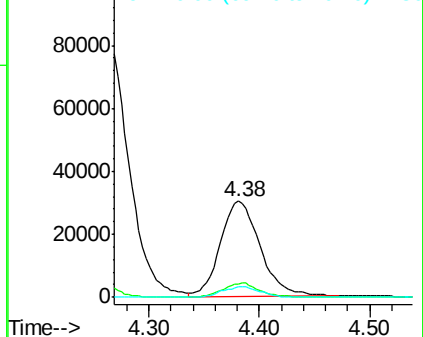
#37
Ethyl Acetate
Concen: 21.338 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion: 43 Resp: 75480
Ion Ratio Lower Upper
43 100
61 14.4 10.5 15.7
70 10.8 7.4 11.2

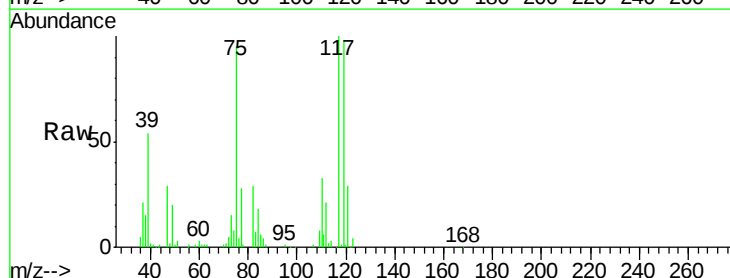


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

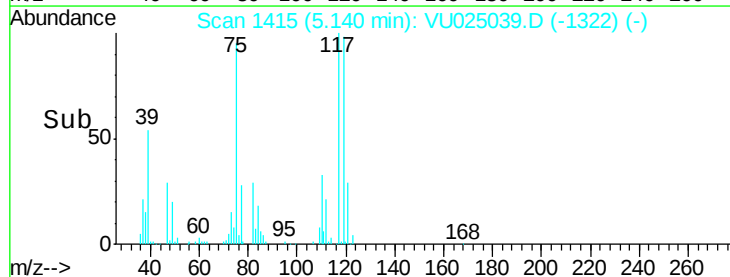
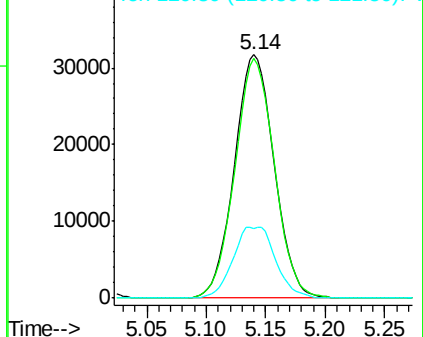


#38
Carbon Tetrachloride
Concen: 20.604 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 117 Resp: 73534
Ion Ratio Lower Upper
117 100
119 98.3 76.1 114.1
121 28.8 23.7 35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

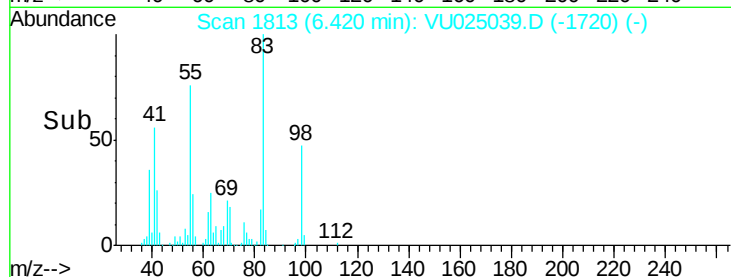
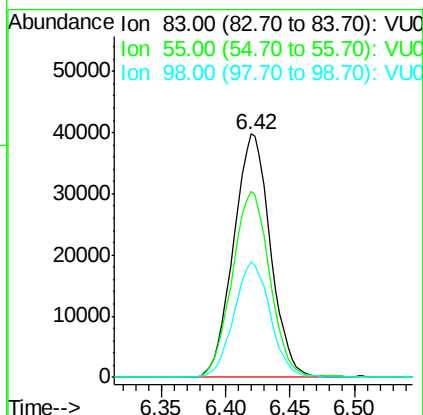
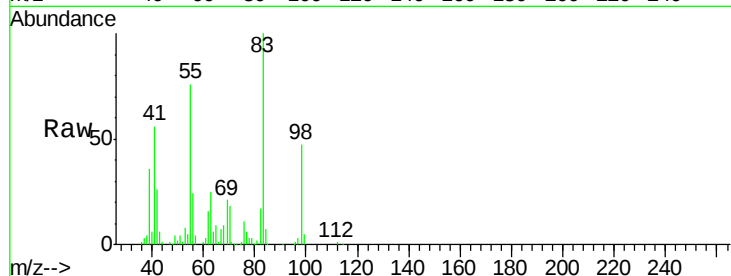




#39
Methylcyclohexane
Concen: 19.539 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

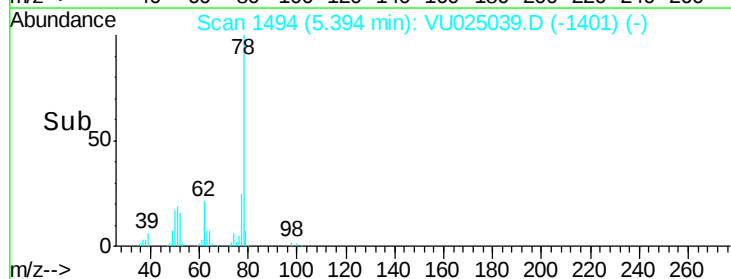
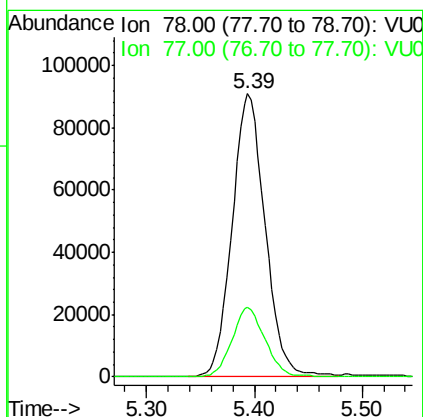
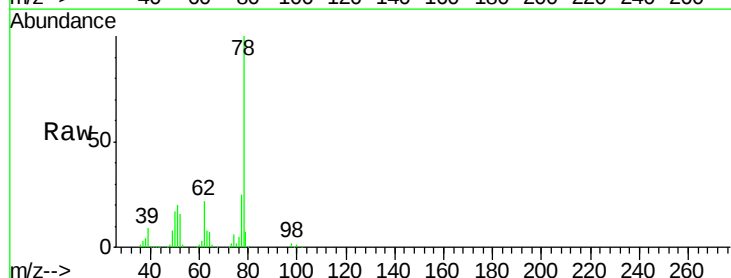
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

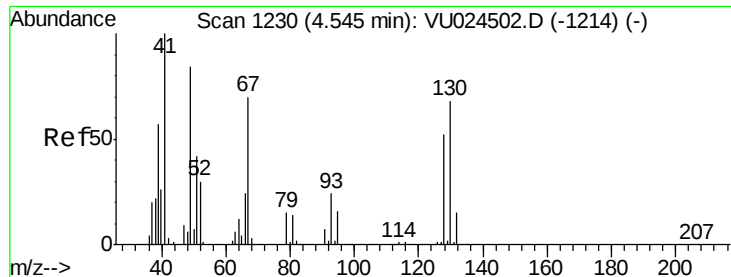
Tgt Ion: 83 Resp: 79133
Ion Ratio Lower Upper
83 100
55 76.3 65.8 98.6
98 47.3 36.7 55.1



#40
Benzene
Concen: 21.006 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 78 Resp: 194257
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8





#41

Methacrylonitrile

Concen: 22.007 ug/l

RT: 4.55 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tgt Ion: 41 Resp: 41971

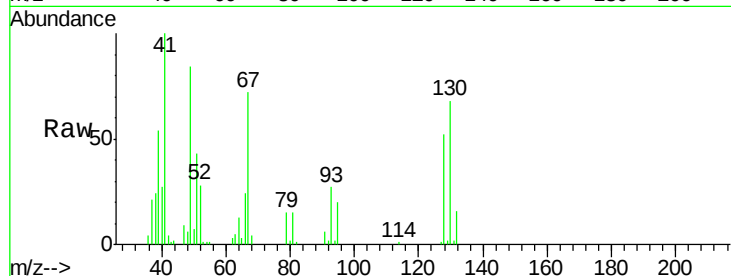
Ion Ratio Lower Upper

41 100

39 57.1 43.8 65.6

67 73.7 56.3 84.5

52 30.4 23.2 34.8

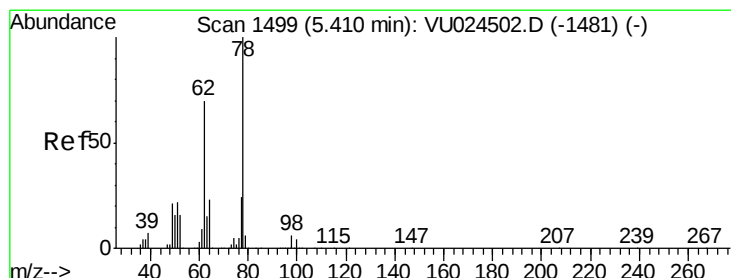
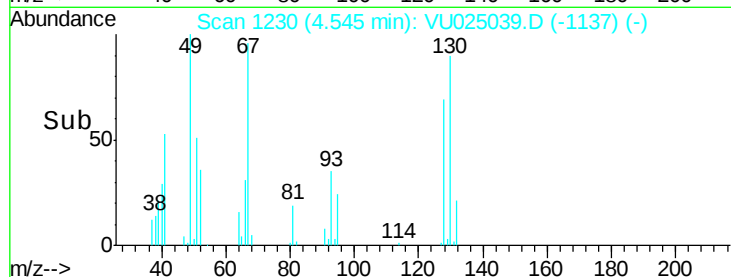
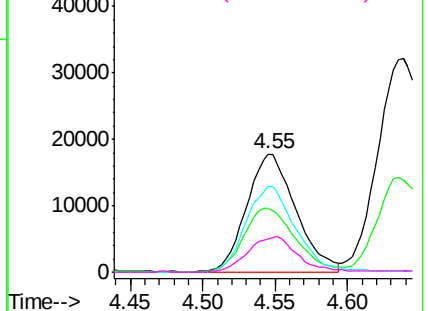


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 22.832 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025039.D

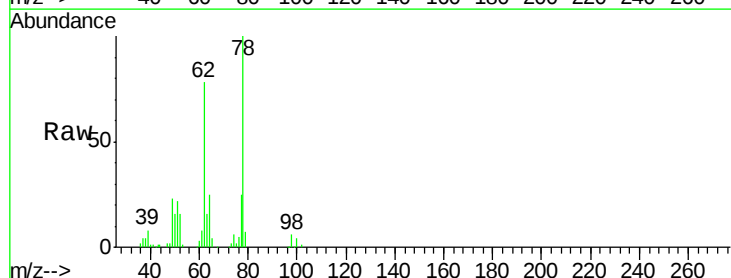
Acq: 28 Jun 2018 23:34

Tgt Ion: 62 Resp: 80417

Ion Ratio Lower Upper

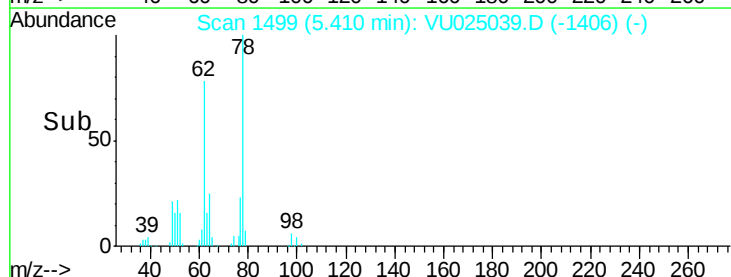
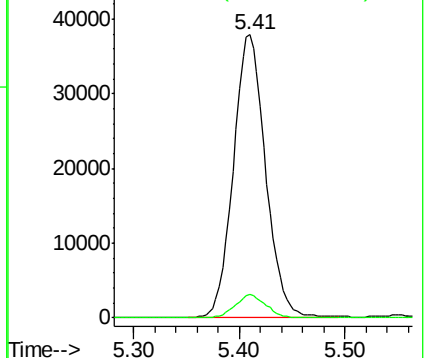
62 100

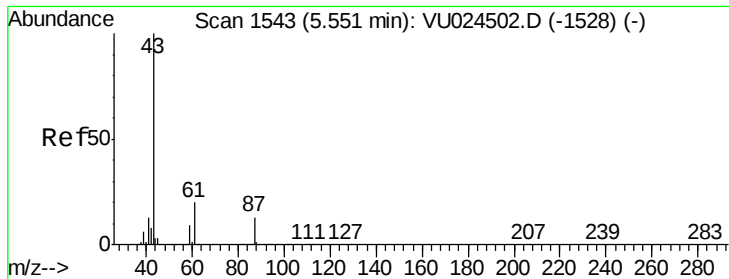
98 7.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



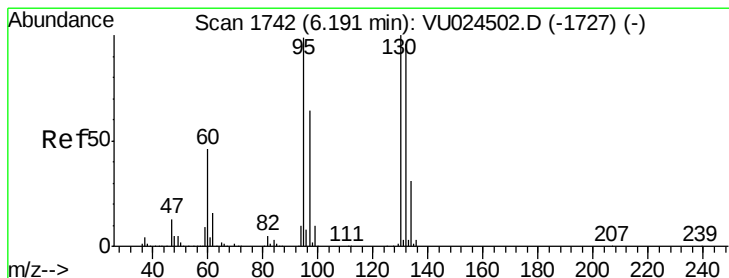
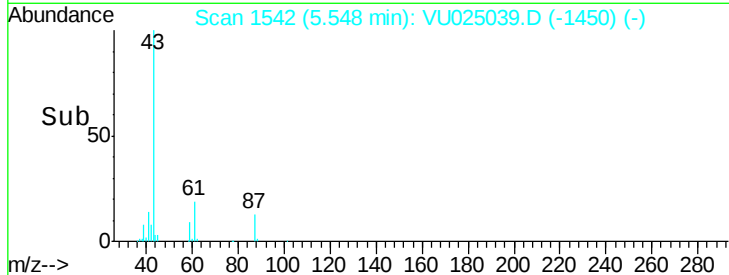
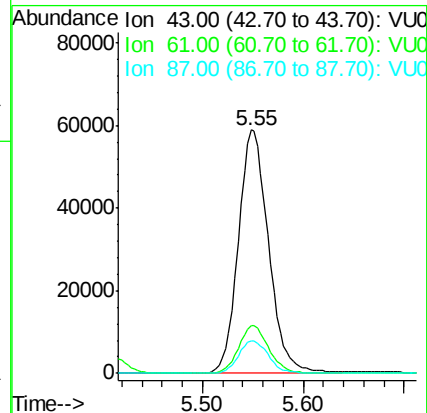
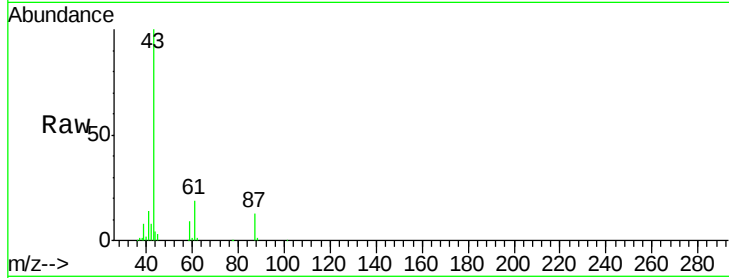


#43

Isopropyl Acetate
 Concen: 20.082 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

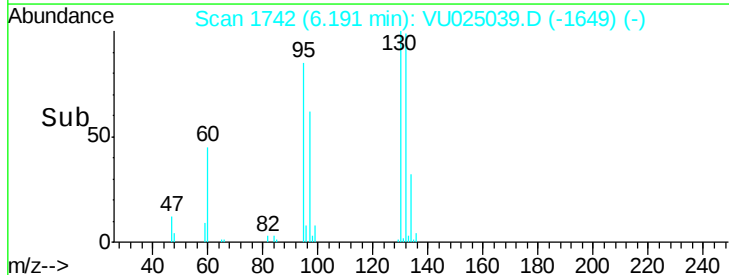
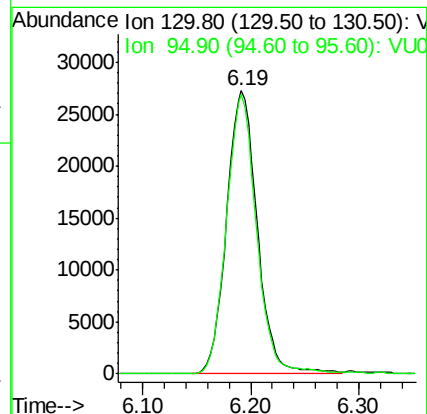
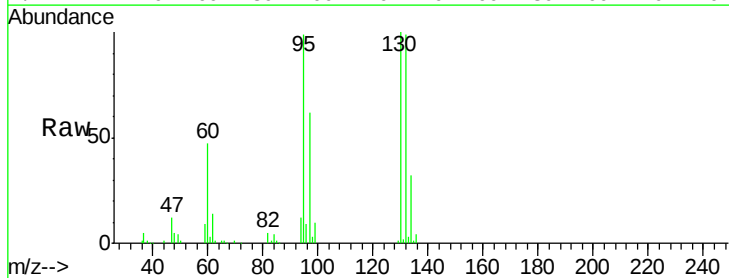
Tgt Ion: 43 Resp: 122786
 Ion Ratio Lower Upper
 43 100
 61 19.4 15.4 23.0
 87 13.3 10.0 15.0



#44

Trichloroethene
 Concen: 20.574 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 130 Resp: 54148
 Ion Ratio Lower Upper
 130 100
 95 98.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 20.397 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

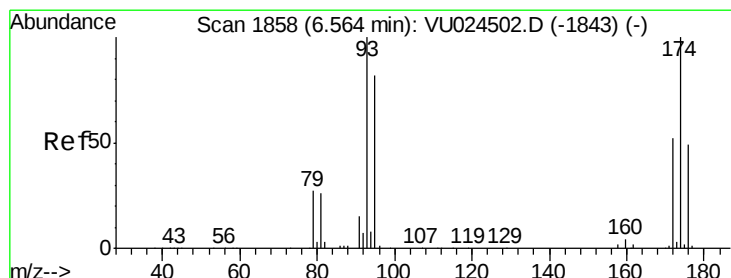
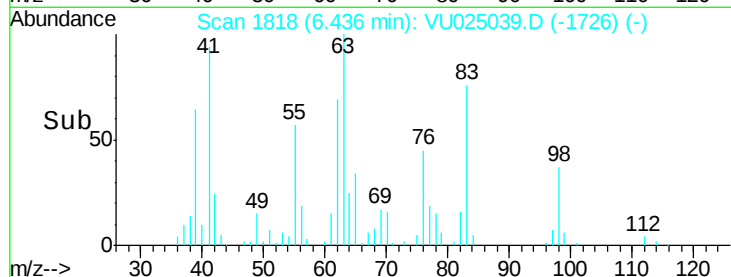
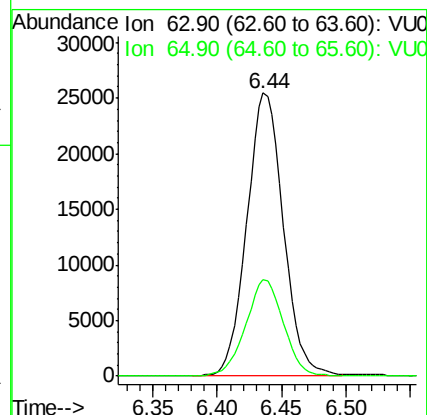
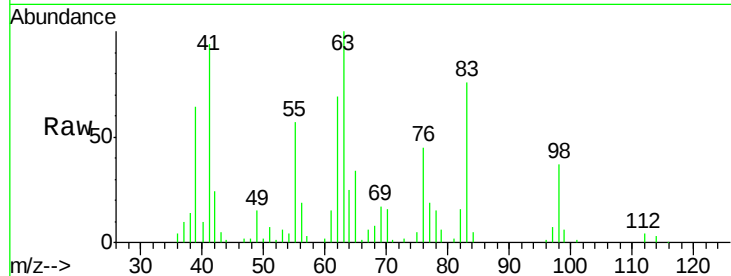
VU0628MBS03

Tgt Ion: 63 Resp: 50329

Ion Ratio Lower Upper

63 100

65 34.0 24.8 37.2



#46

Dibromomethane

Concen: 21.862 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

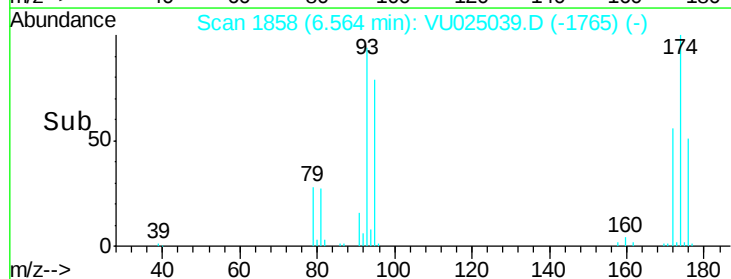
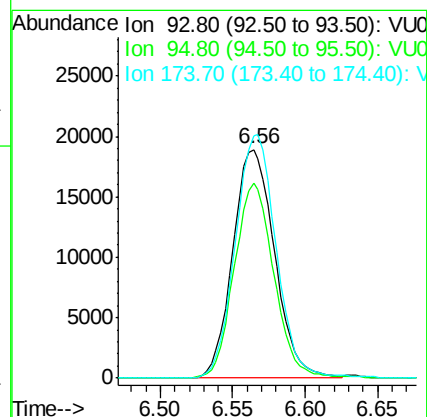
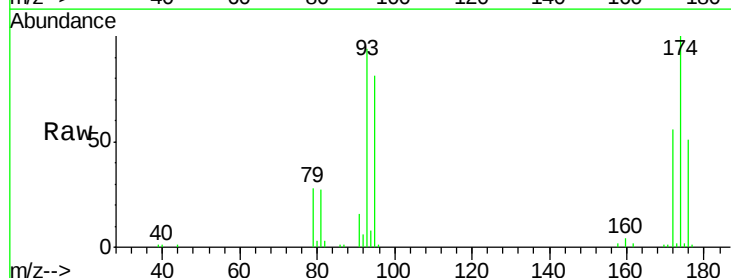
Tgt Ion: 93 Resp: 37892

Ion Ratio Lower Upper

93 100

95 80.7 65.5 98.3

174 103.4 78.7 118.1





#47

Bromodichloromethane

Concen: 19.958 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

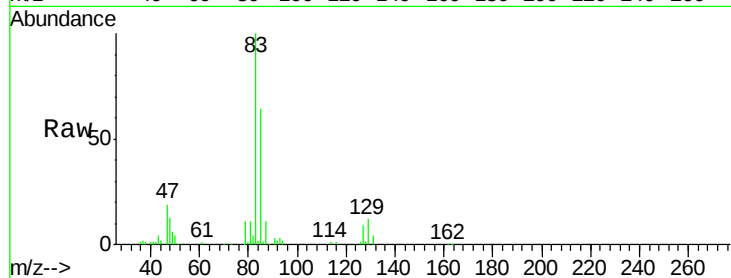
Tgt Ion: 83 Resp: 68883

Ion Ratio Lower Upper

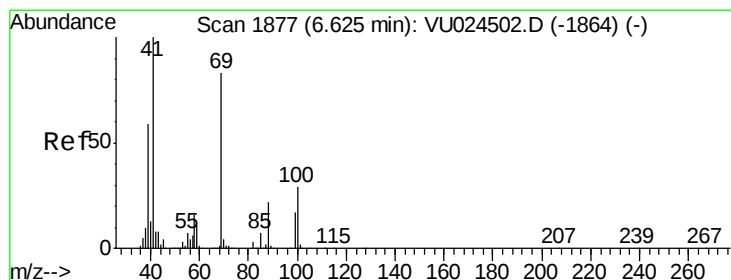
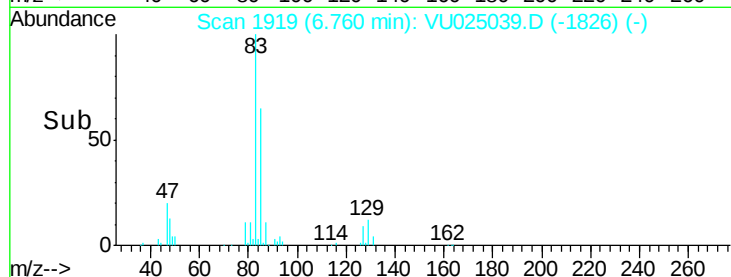
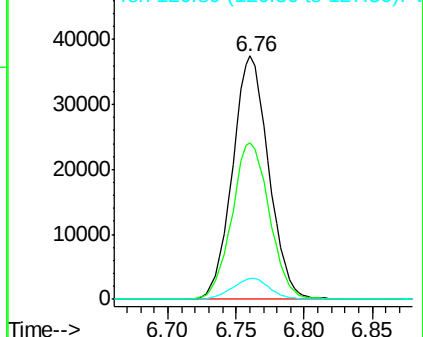
83 100

85 64.3 51.9 77.9

127 8.7 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.474 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

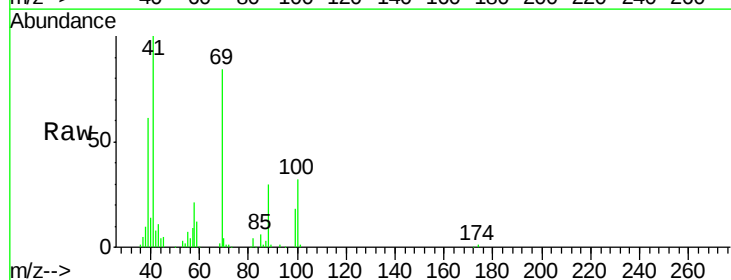
Tgt Ion: 41 Resp: 63934

Ion Ratio Lower Upper

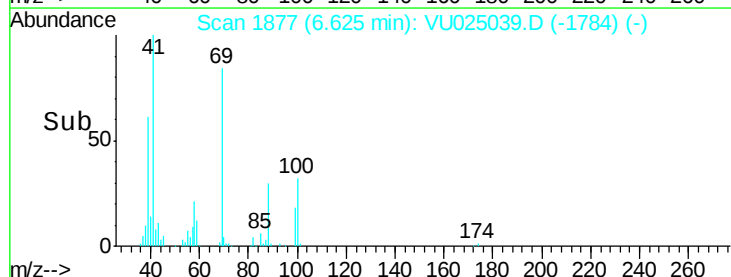
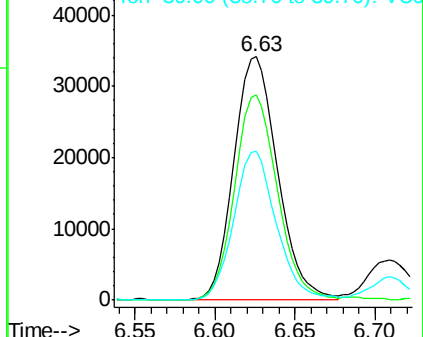
41 100

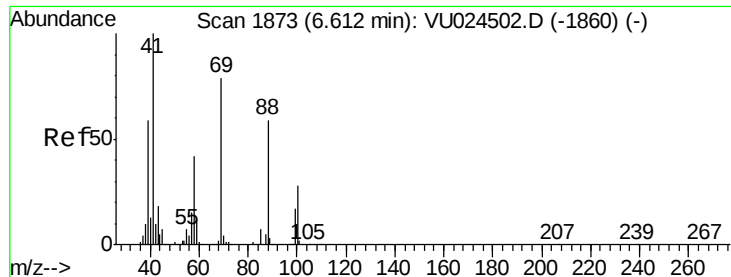
69 82.0 67.3 100.9

39 59.4 46.5 69.7



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





#49

1,4-Dioxane

Concen: 479.378 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

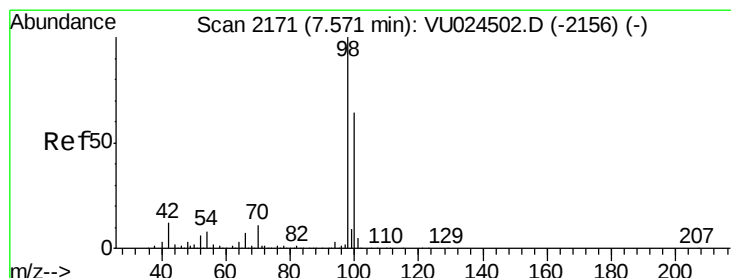
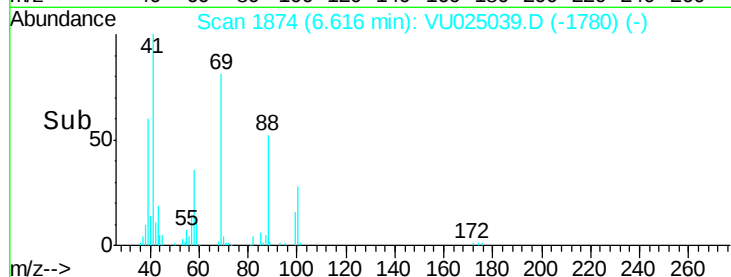
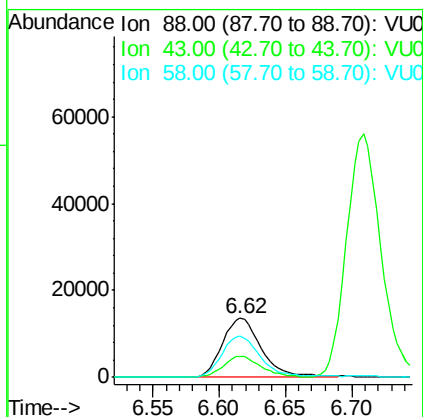
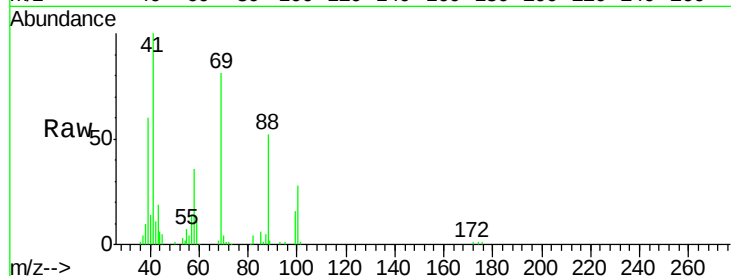
Tgt Ion: 88 Resp: 27912

Ion Ratio Lower Upper

88 100

43 35.1 28.6 42.8

58 68.3 58.2 87.4



#50

Toluene-d8

Concen: 45.988 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025039.D

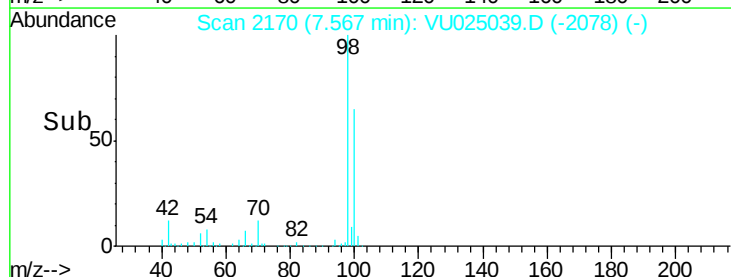
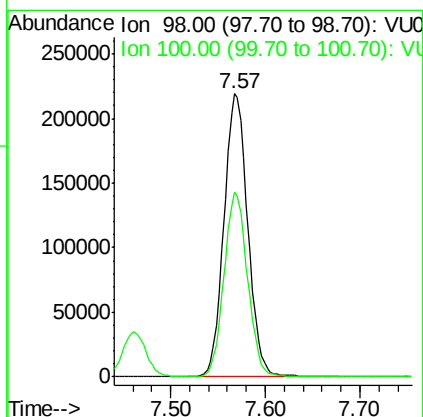
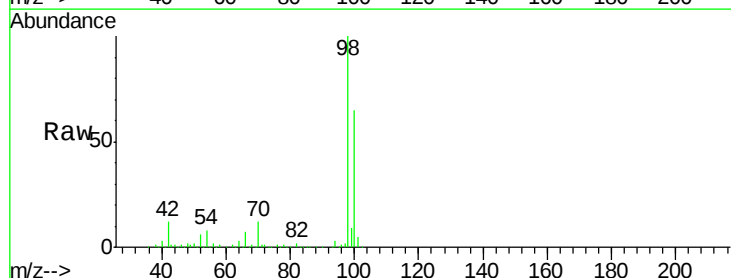
Acq: 28 Jun 2018 23:34

Tgt Ion: 98 Resp: 384495

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7

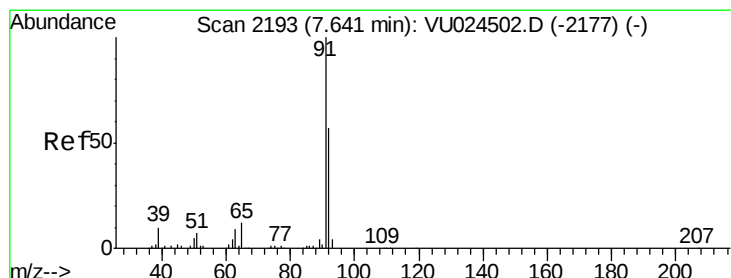
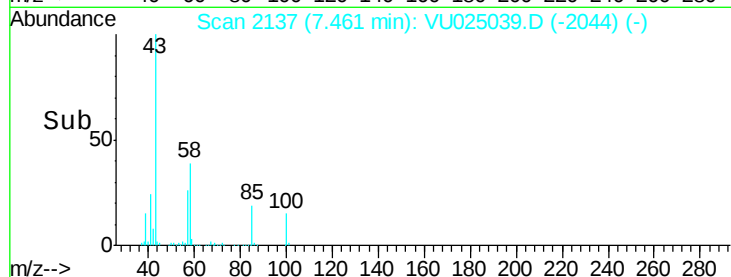
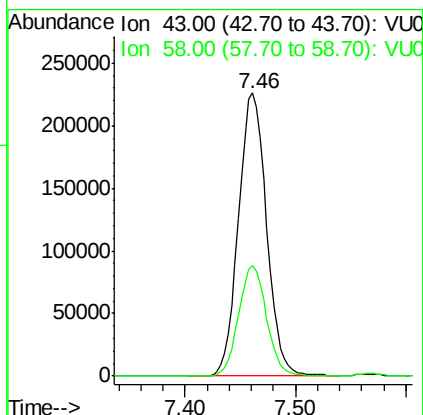
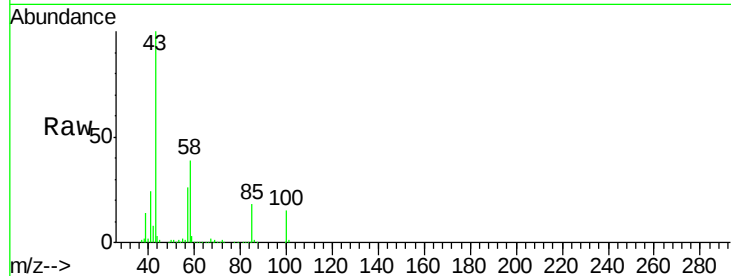




#51
 4-Methyl-2-Pentanone
 Concen: 104.012 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

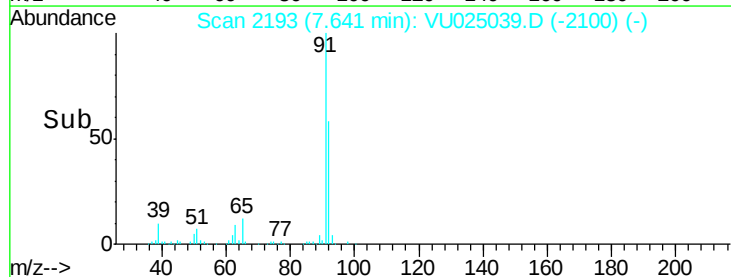
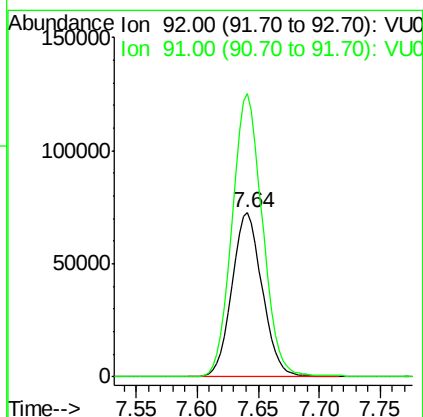
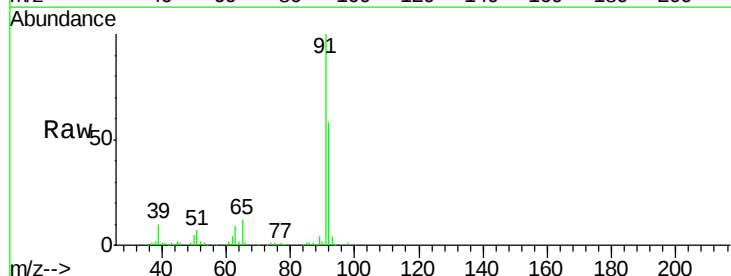
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

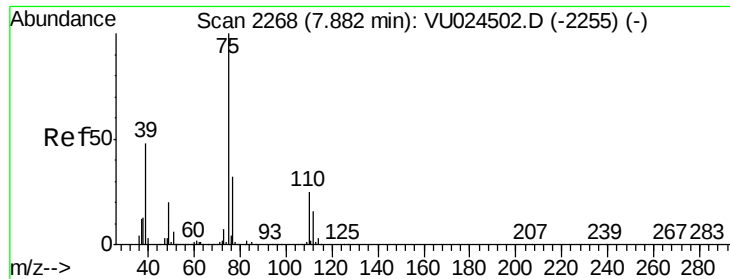
Tgt Ion: 43 Resp: 399549
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.0 45.0



#52
 Toluene
 Concen: 21.127 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 92 Resp: 125699
 Ion Ratio Lower Upper
 92 100
 91 173.2 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 18.962 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

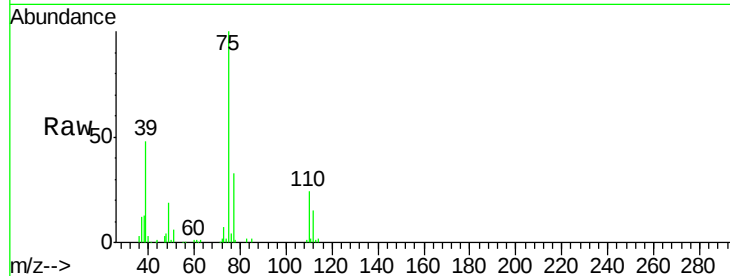
VU0628MBS03

Tgt Ion: 75 Resp: 73494

Ion Ratio Lower Upper

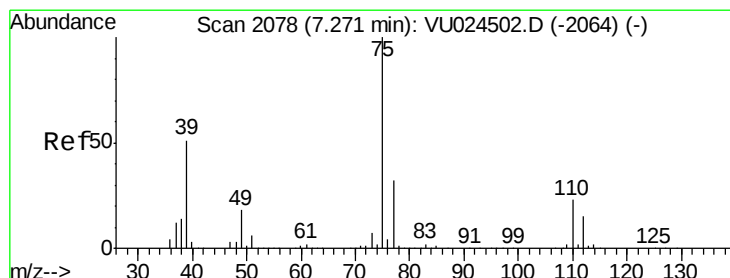
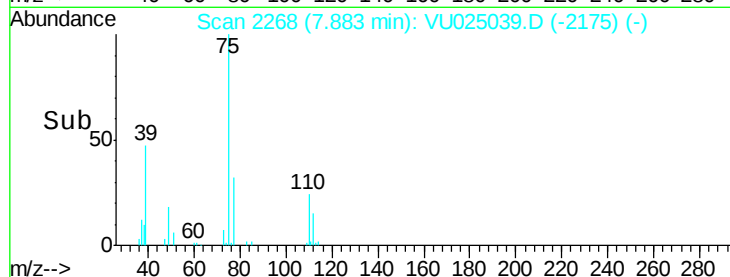
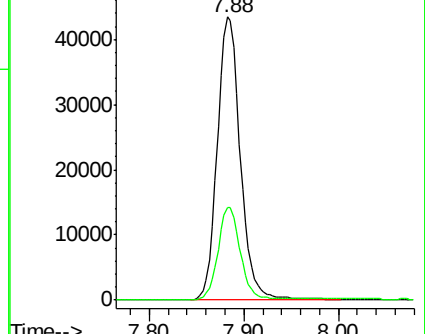
75 100

77 32.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.664 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

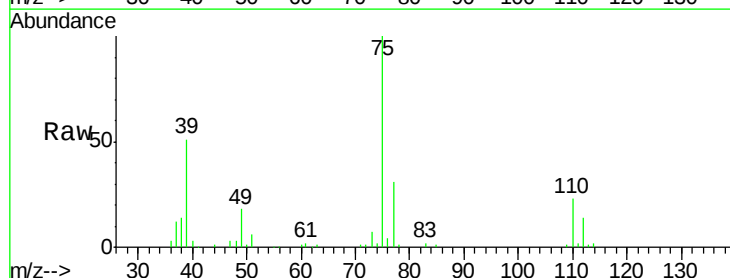
Tgt Ion: 75 Resp: 77080

Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

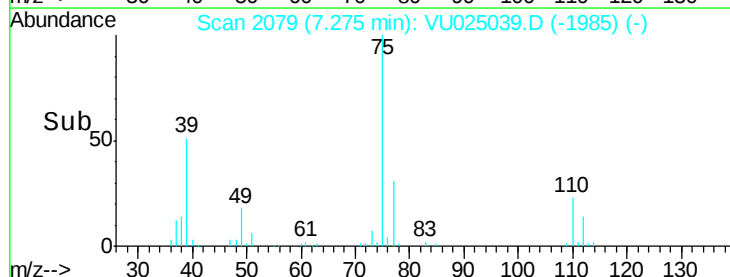
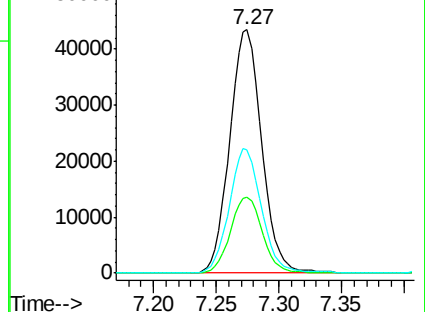
39 50.7 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

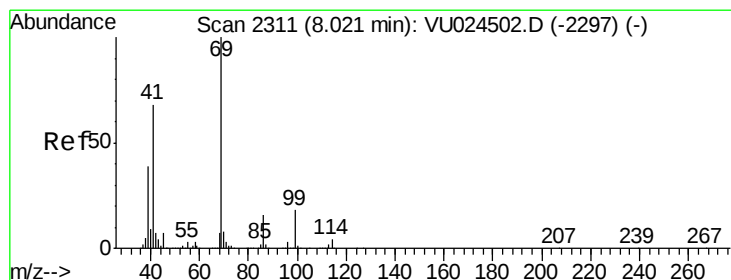
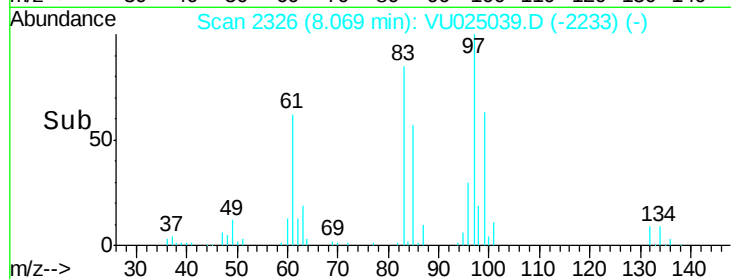
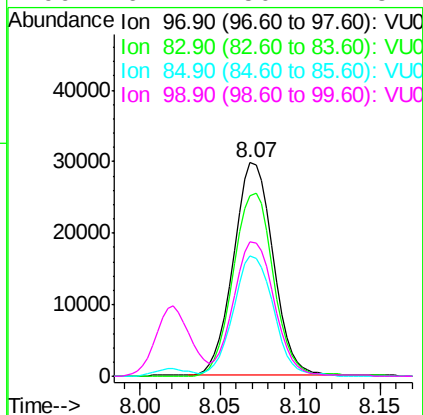
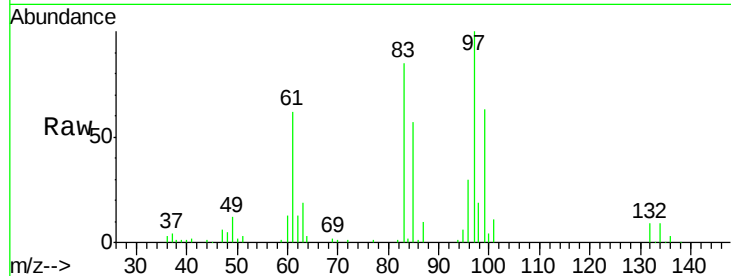




#55
 1,1,2-Trichloroethane
 Concen: 20.818 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

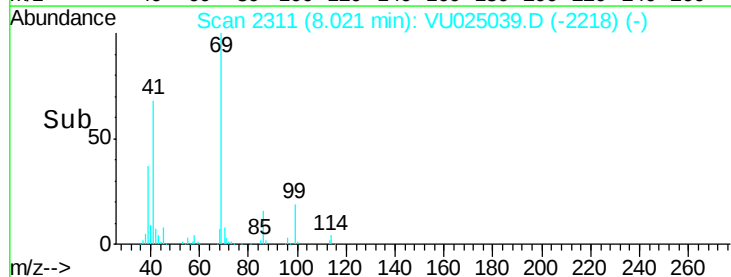
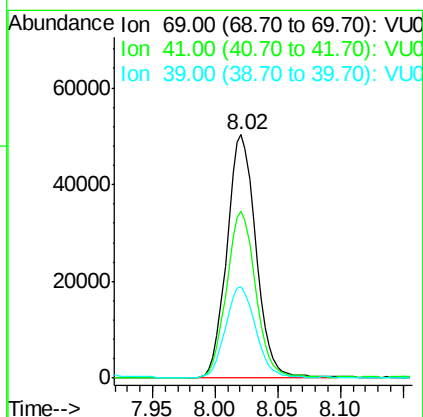
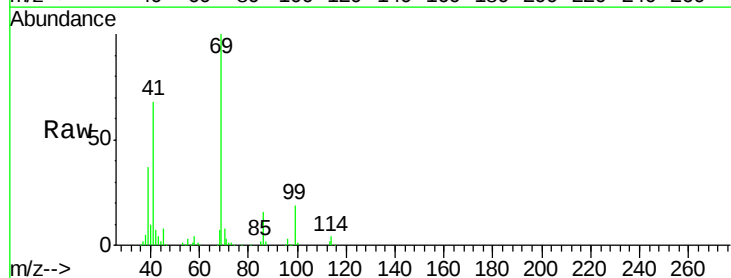
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tgt Ion:	97	Resp:	50348
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.5	105.7
85	56.9	46.4	69.6
99	62.4	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.087 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion:	69	Resp:	81310
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.1	81.1
39	38.1	30.3	45.5

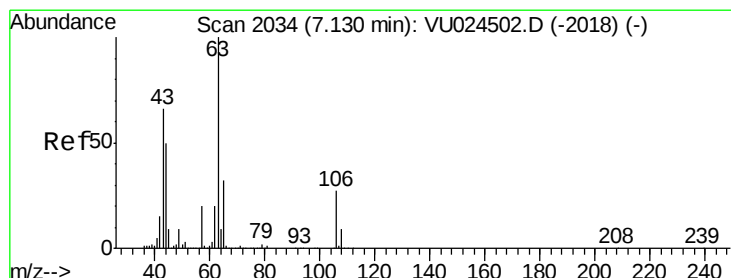
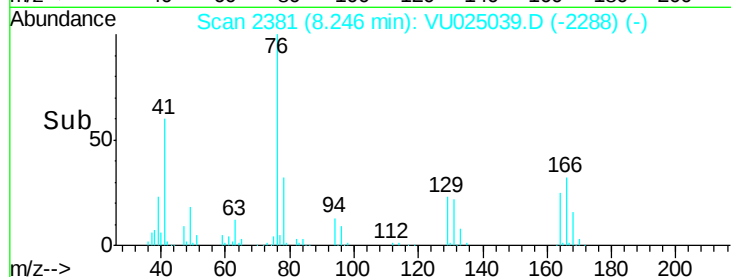
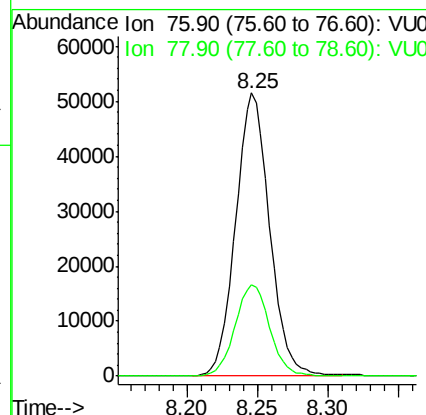
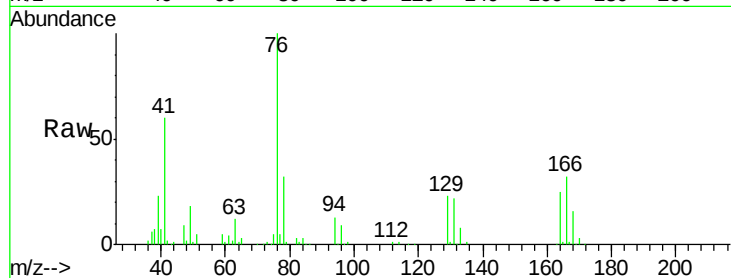




#57
 1,3-Dichloropropane
 Concen: 21.334 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

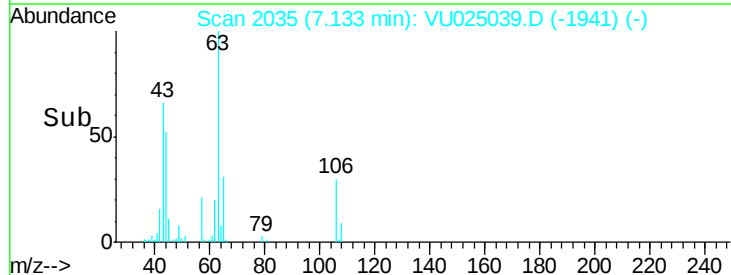
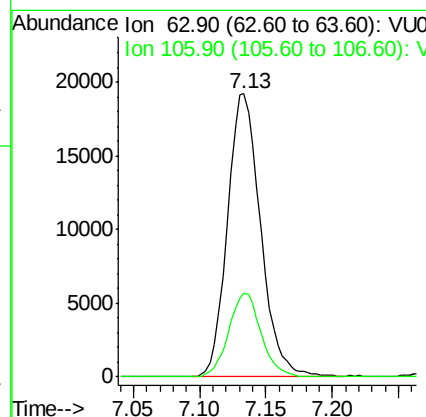
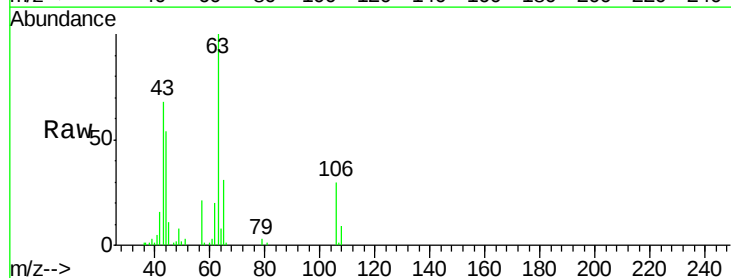
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tgt Ion: 76 Resp: 87039
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.499 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 63 Resp: 33340
 Ion Ratio Lower Upper
 63 100
 106 28.7 20.2 30.2

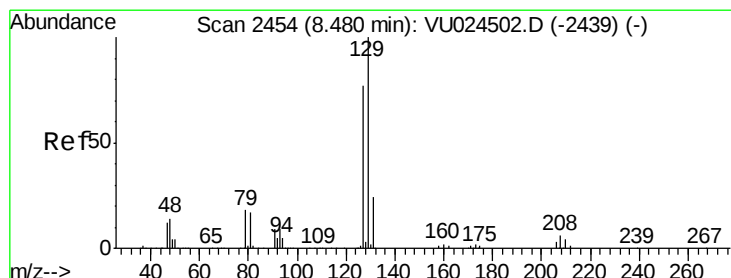
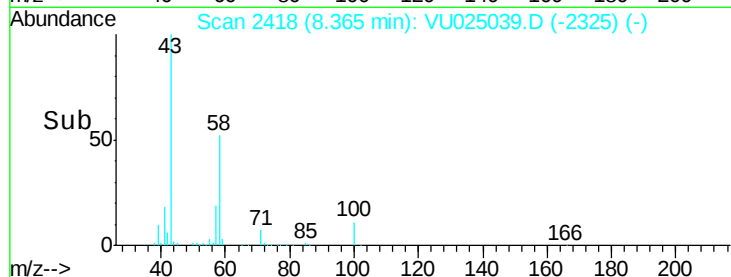
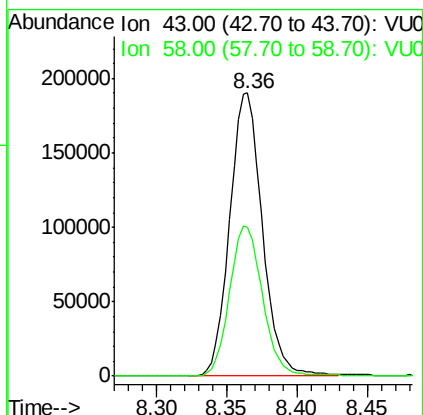
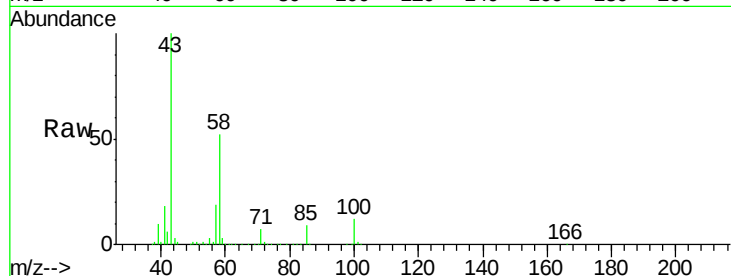




#59
2-Hexanone
Concen: 98.610 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

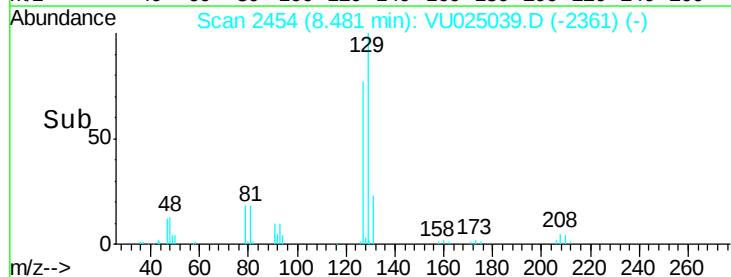
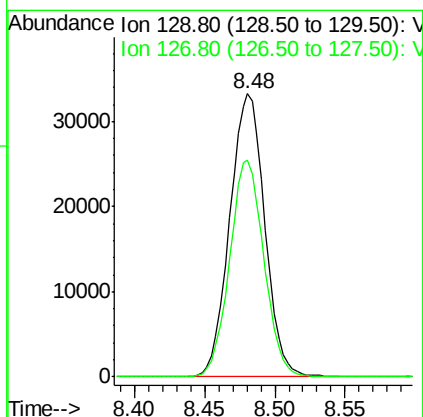
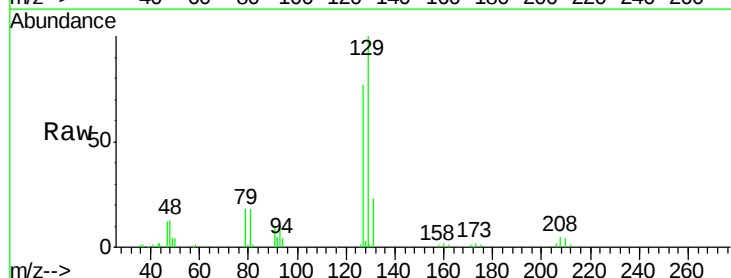
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion: 43 Resp: 309250
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 19.109 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 129 Resp: 57628
Ion Ratio Lower Upper
129 100
127 75.0 38.6 116.0

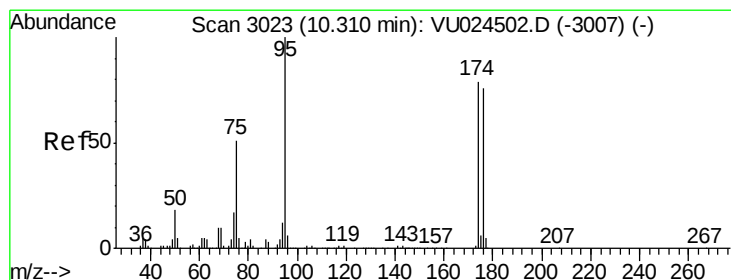
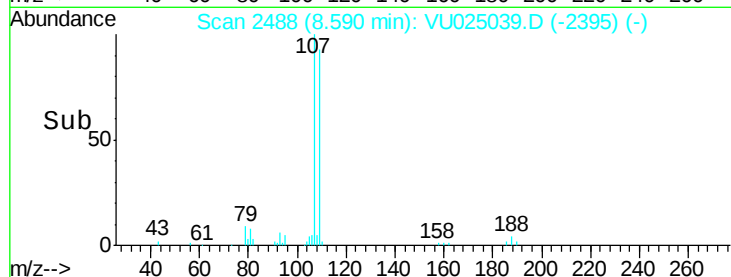
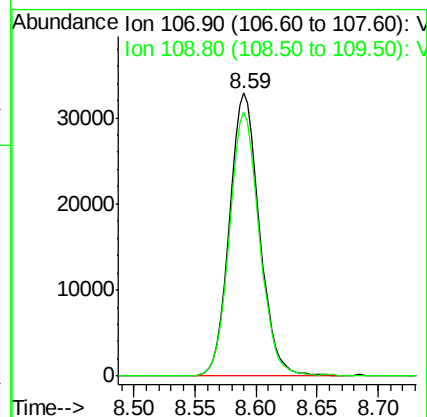
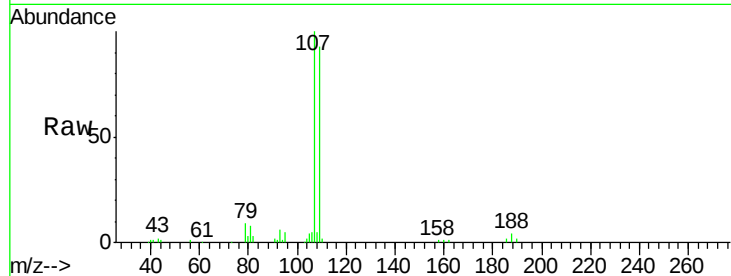




#61
 1,2-Dibromoethane
 Concen: 21.056 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

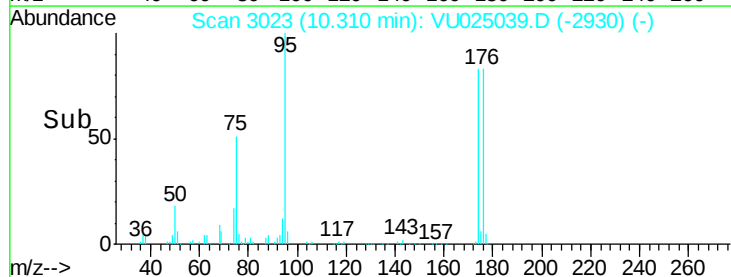
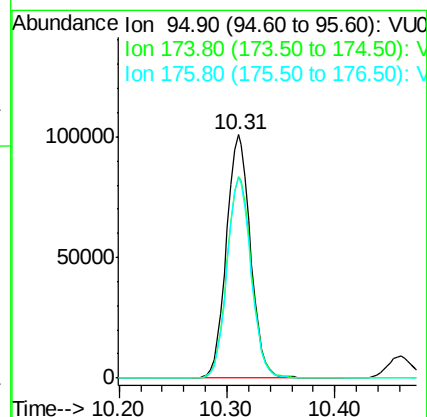
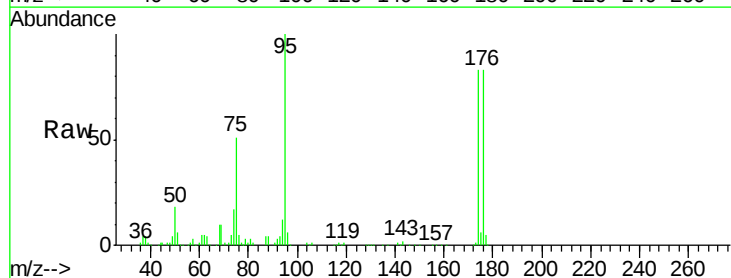
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tgt Ion: 107 Resp: 56680
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 47.261 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 95 Resp: 156889
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 165.8
 176 81.8 0.0 159.4

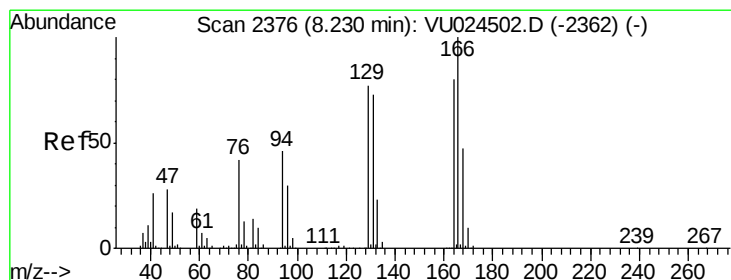
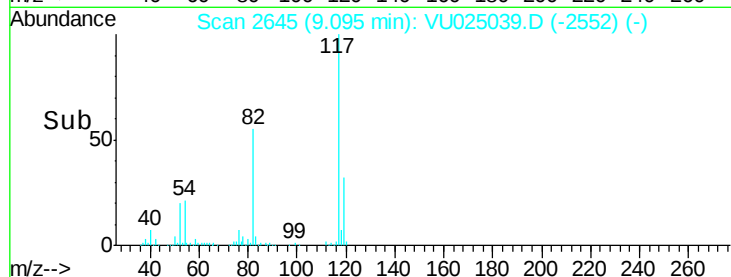
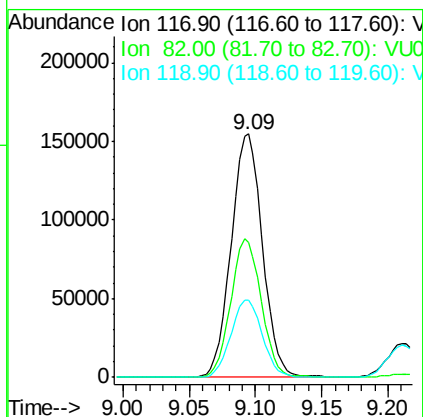
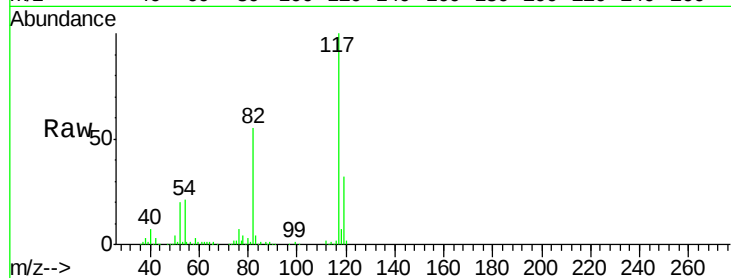




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

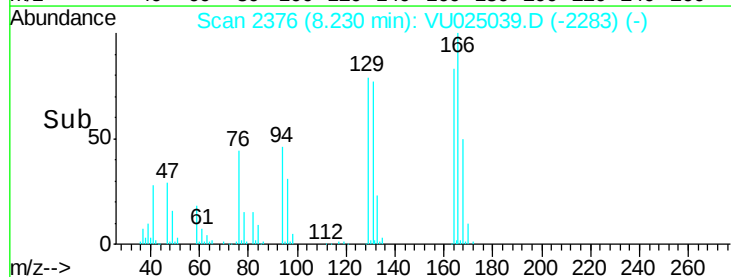
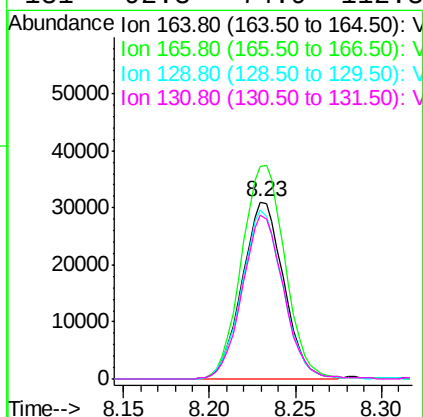
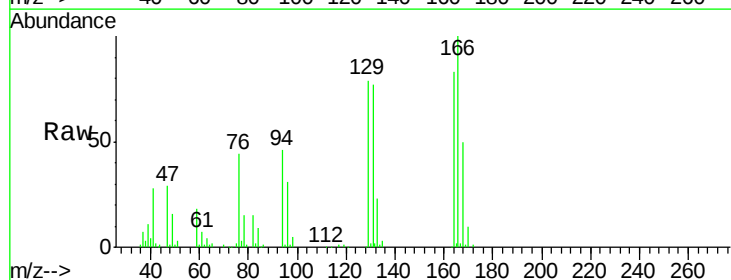
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion:117 Resp: 253653
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 21.602 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion:164 Resp: 52085
Ion Ratio Lower Upper
164 100
166 120.2 101.7 152.5
129 95.4 76.9 115.3
131 92.3 74.9 112.3





#65

Chlorobenzene

Concen: 21.436 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

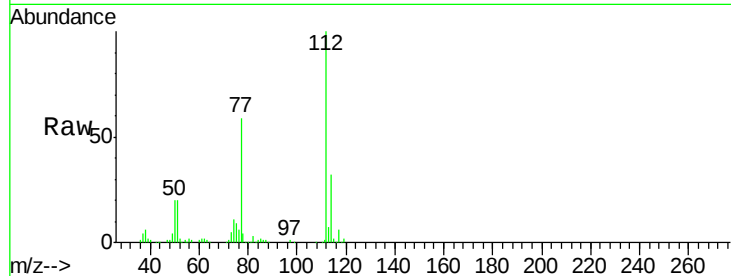
VU0628MBS03

Tgt Ion:112 Resp: 138901

Ion Ratio Lower Upper

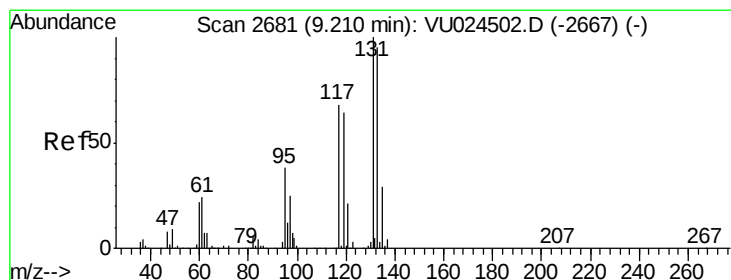
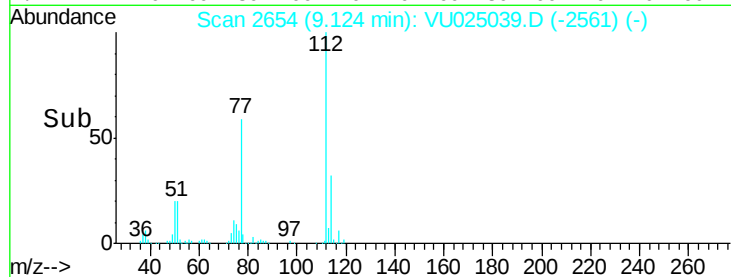
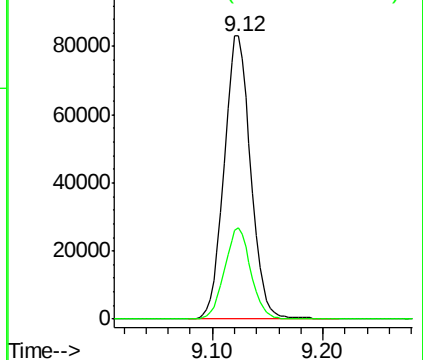
112 100

114 32.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.635 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

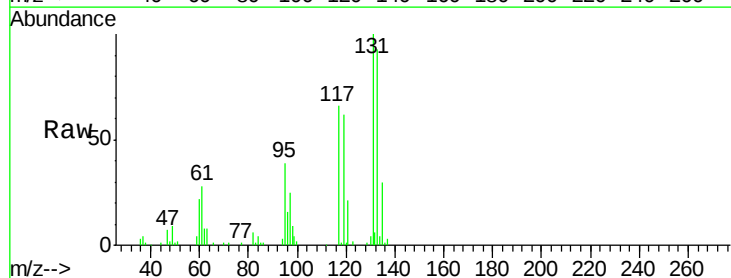
Tgt Ion:131 Resp: 53261

Ion Ratio Lower Upper

131 100

133 93.6 46.9 140.8

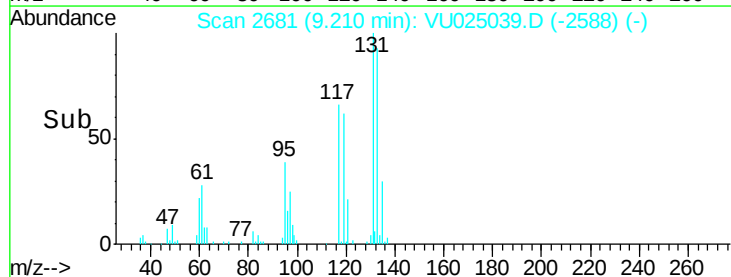
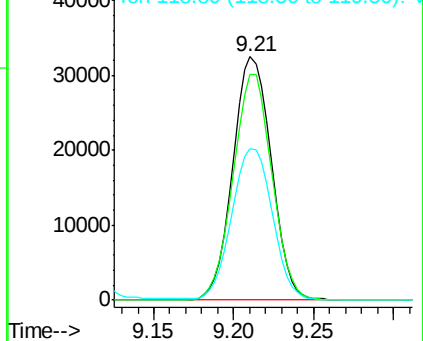
119 65.9 33.5 100.4

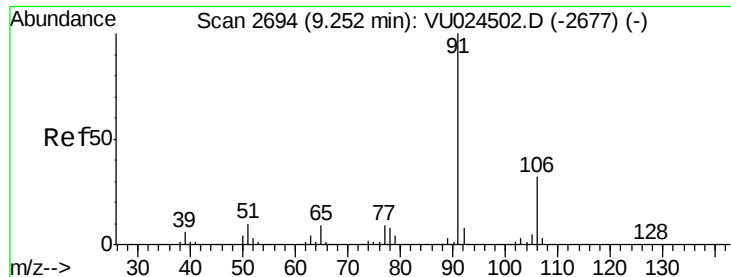


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

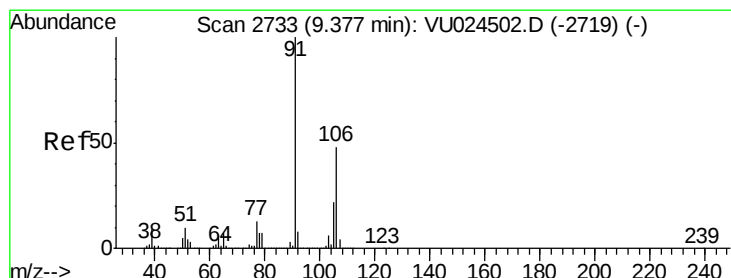
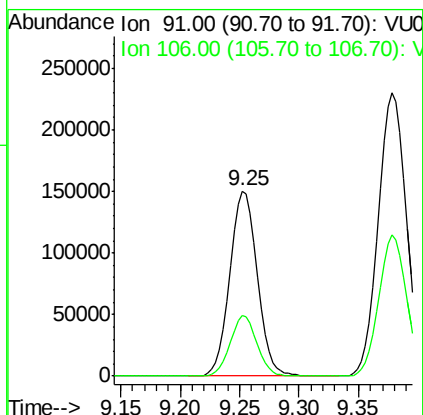
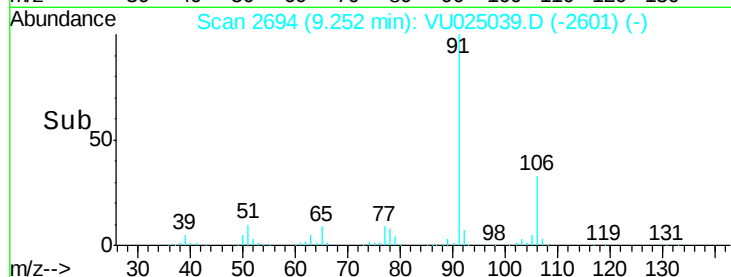
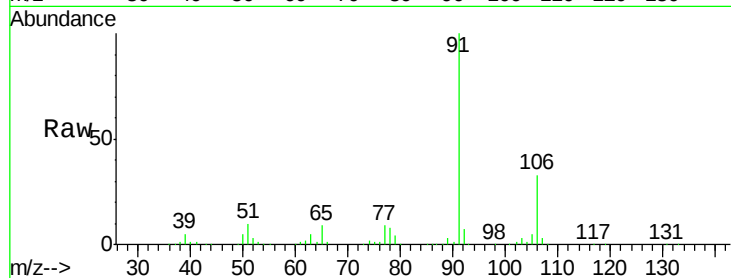




#67
Ethyl Benzene
Concen: 21.300 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

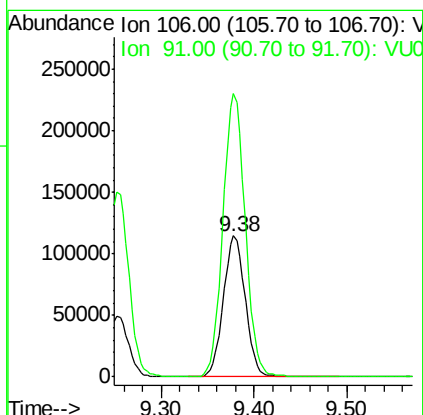
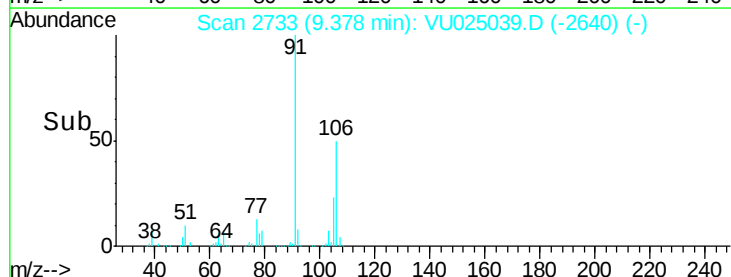
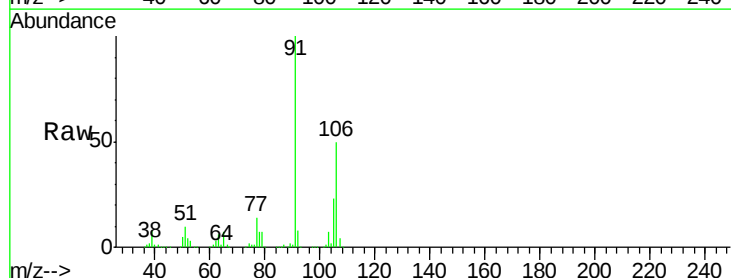
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion: 91 Resp: 241965
Ion Ratio Lower Upper
91 100
106 32.5 24.2 36.4



#68
m/p-Xylenes
Concen: 43.151 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 106 Resp: 188231
Ion Ratio Lower Upper
106 100
91 202.5 166.5 249.7

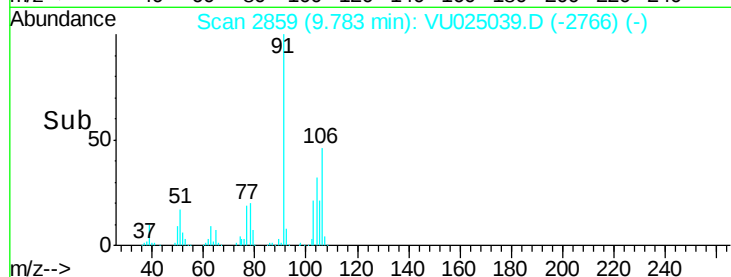
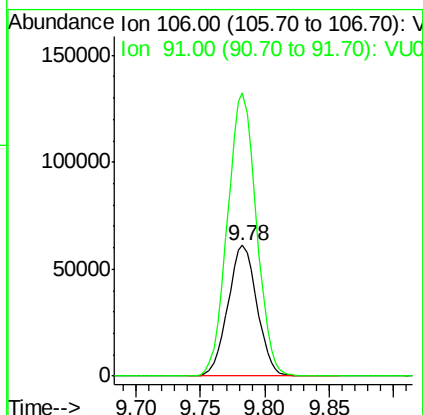
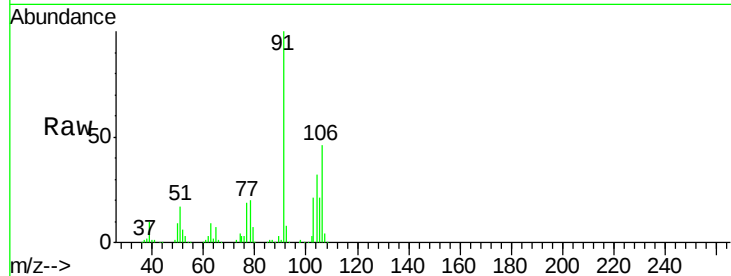




#69
o-Xylene
Concen: 22.215 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

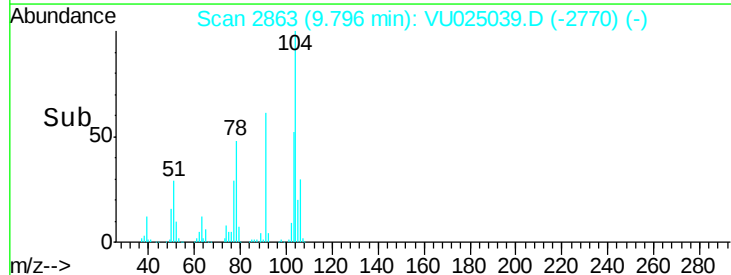
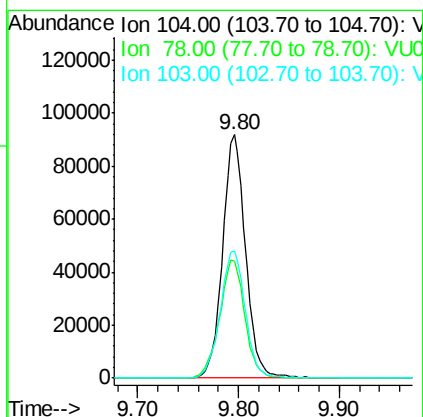
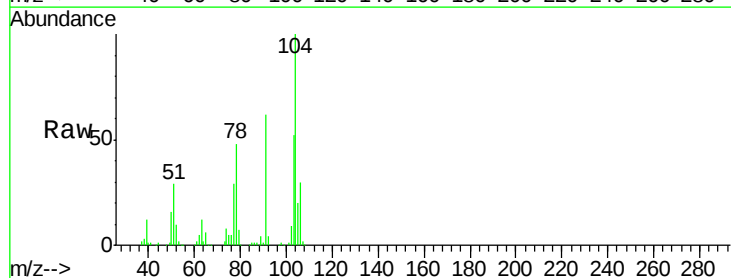
Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion:106 Resp: 95902
Ion Ratio Lower Upper
106 100
91 214.5 110.7 331.9



#70
Styrene
Concen: 20.607 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion:104 Resp: 146192
Ion Ratio Lower Upper
104 100
78 53.2 40.6 60.8
103 57.1 44.7 67.1





#71

Bromoform

Concen: 18.625 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

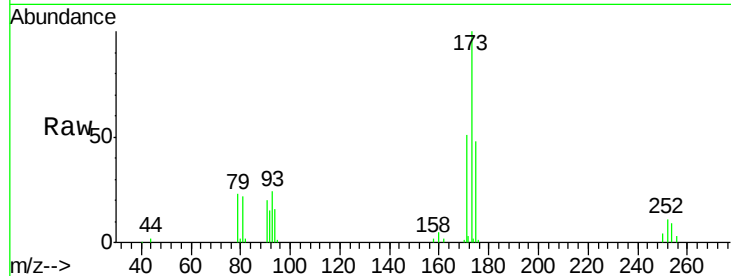
Tgt Ion:173 Resp: 43582

Ion Ratio Lower Upper

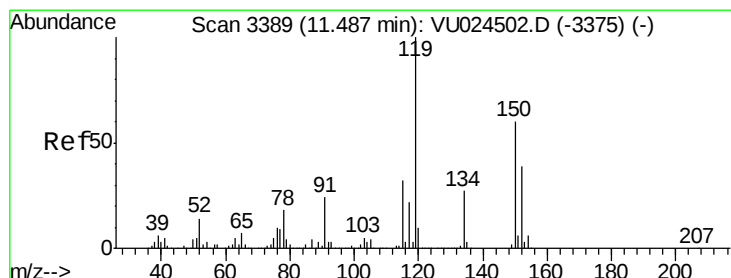
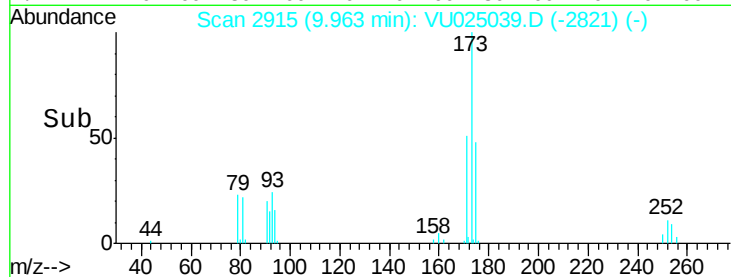
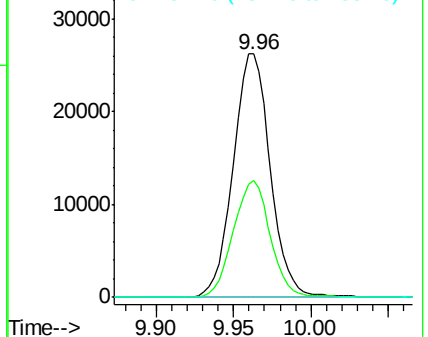
173 100

175 48.0 24.6 74.0

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: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

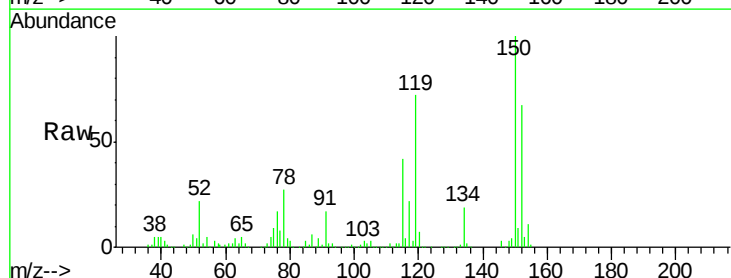
Tgt Ion:152 Resp: 146590

Ion Ratio Lower Upper

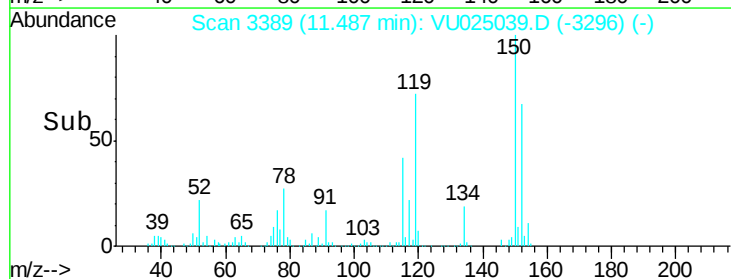
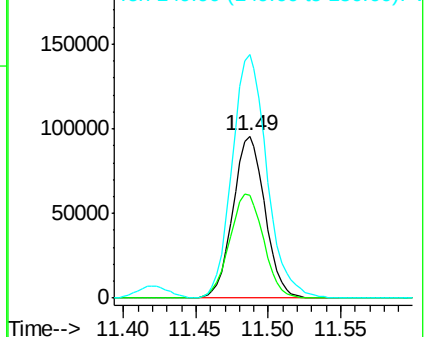
152 100

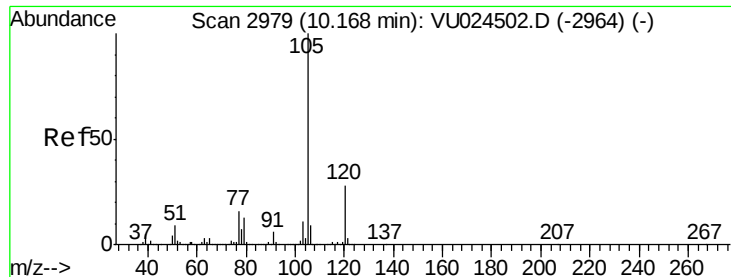
115 67.9 43.0 129.0

150 162.9 0.0 354.0



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





#73

Isopropylbenzene

Concen: 22.448 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

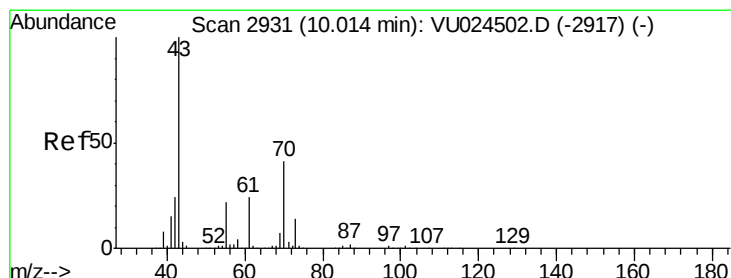
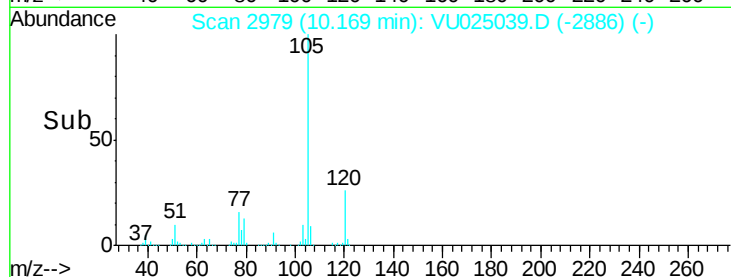
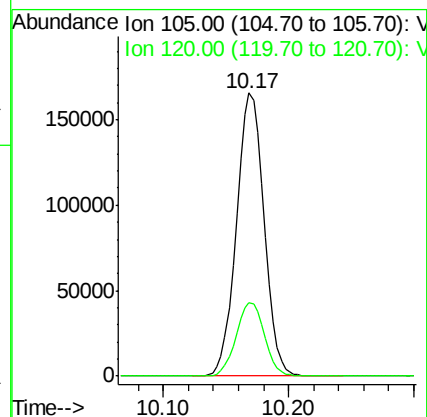
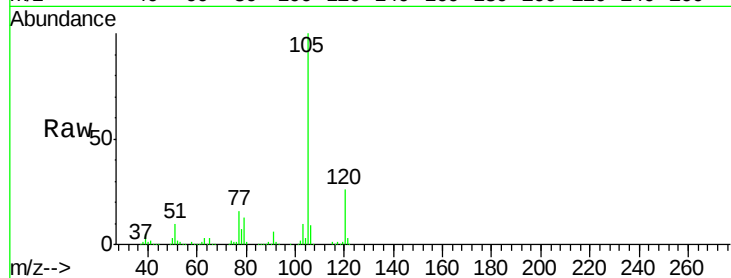
VU0628MBS03

Tgt Ion: 105 Resp: 252646

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 19.430 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 104012

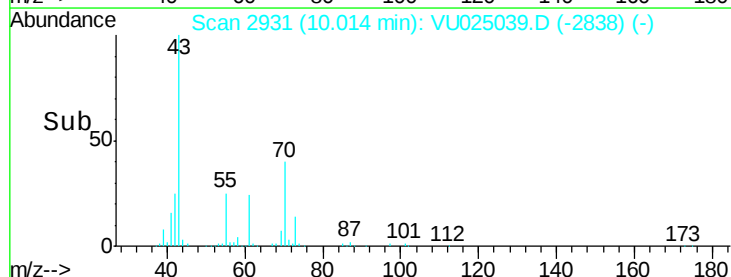
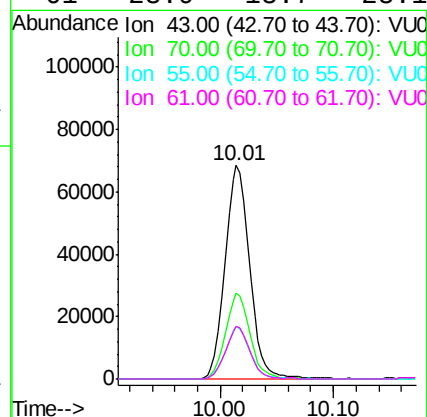
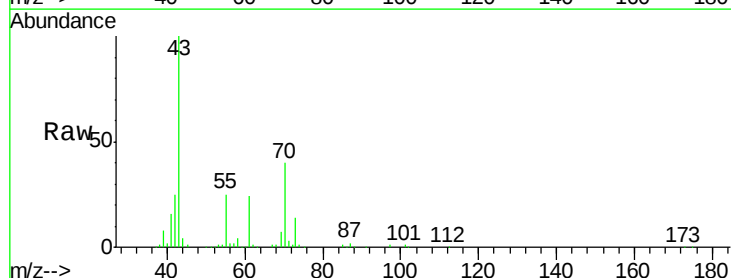
Ion Ratio Lower Upper

43 100

70 39.9 32.2 48.4

55 24.6 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.419 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

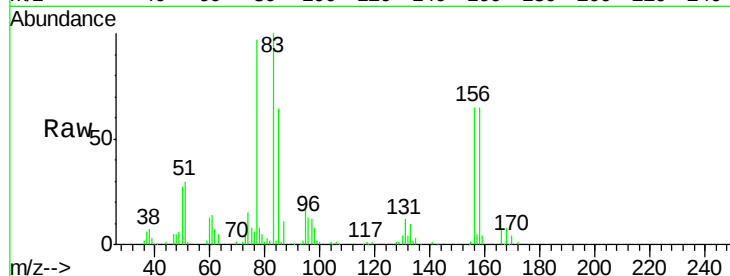
Tgt Ion: 83 Resp: 84551

Ion Ratio Lower Upper

83 100

131 11.8 4.7 14.1

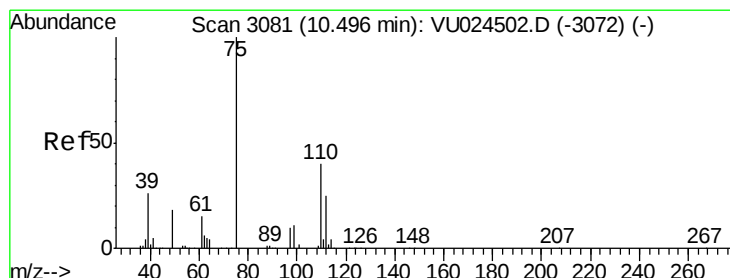
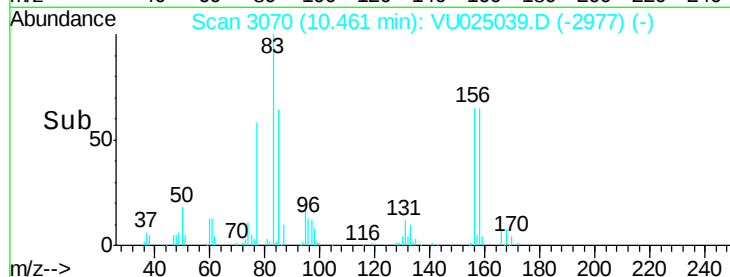
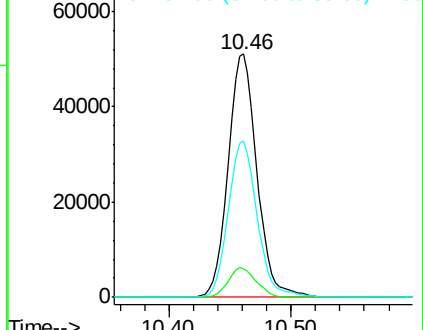
85 64.3 32.5 97.5



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: 29.971 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025039.D

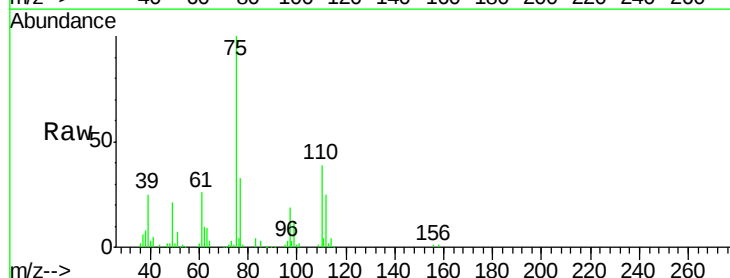
Acq: 28 Jun 2018 23:34

Tgt Ion: 75 Resp: 96729

Ion Ratio Lower Upper

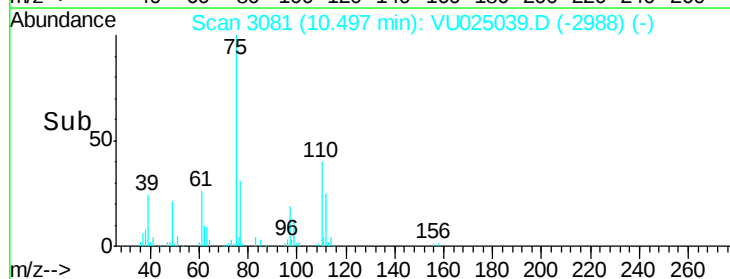
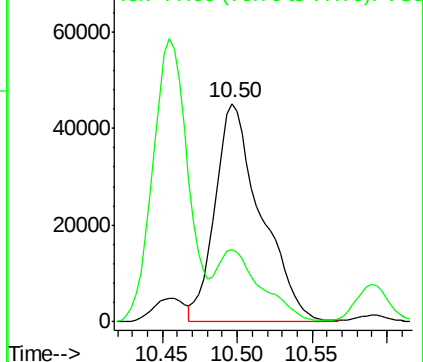
75 100

77 32.4 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 21.891 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

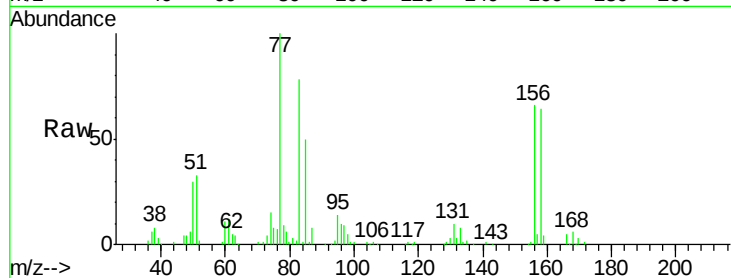
Tgt Ion:156 Resp: 62373

Ion Ratio Lower Upper

156 100

77 152.4 80.5 241.3

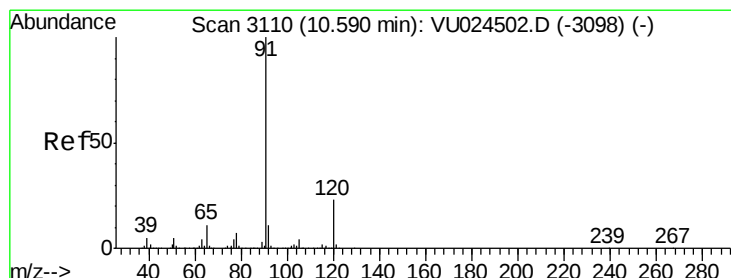
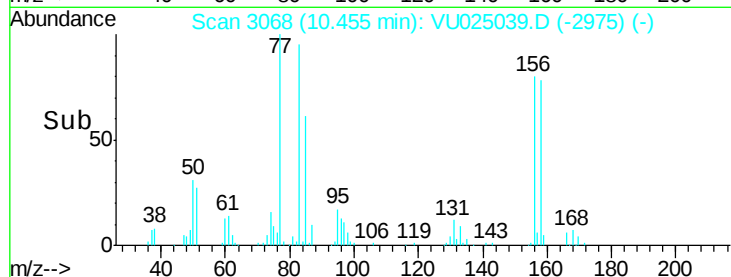
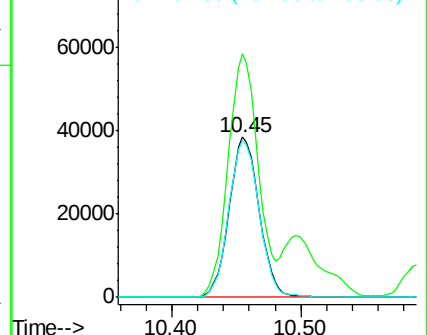
158 98.9 48.2 144.6



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: 20.971 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025039.D

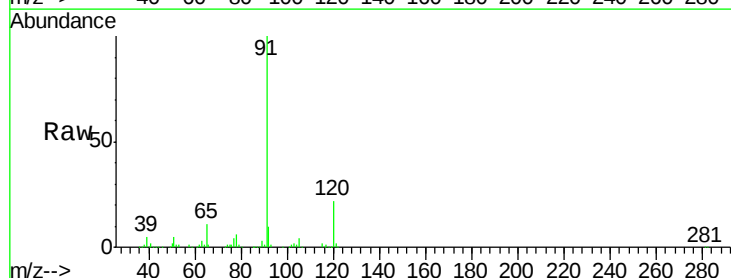
Acq: 28 Jun 2018 23:34

Tgt Ion: 91 Resp: 278026

Ion Ratio Lower Upper

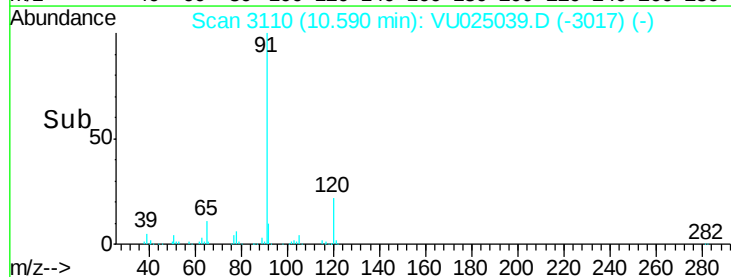
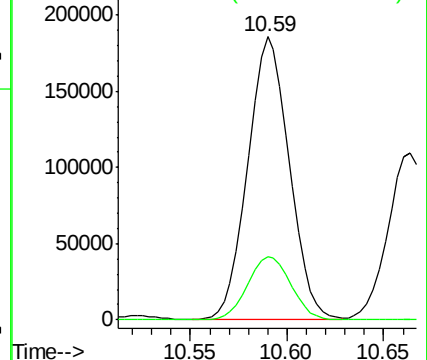
91 100

120 23.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.778 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

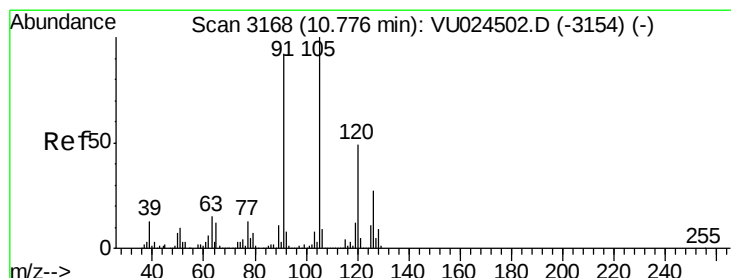
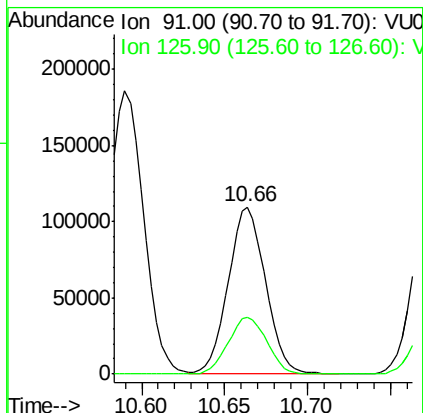
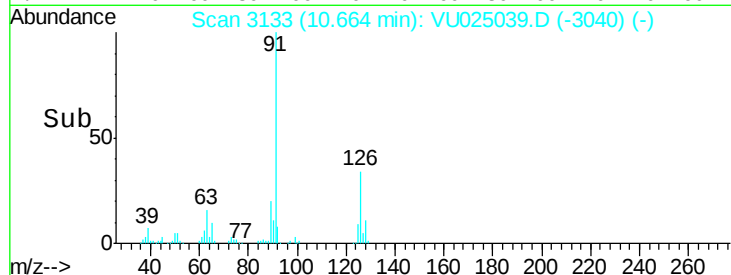
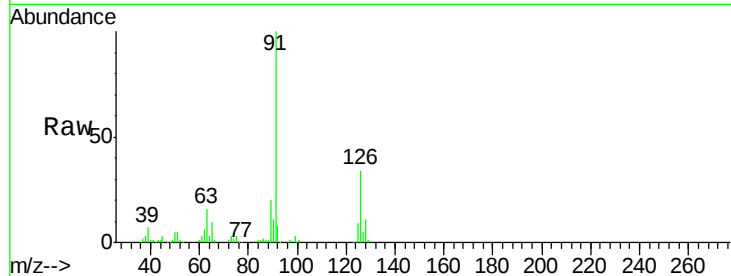
VU0628MBS03

Tgt Ion: 91 Resp: 170266

Ion Ratio Lower Upper

91 100

126 35.5 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 22.105 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025039.D

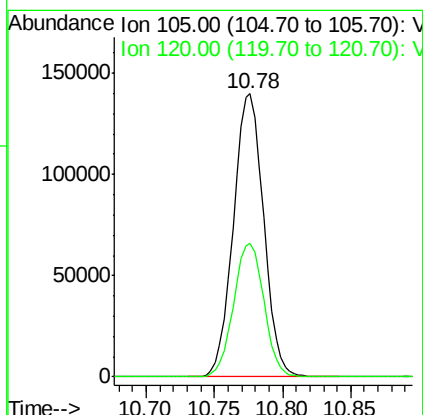
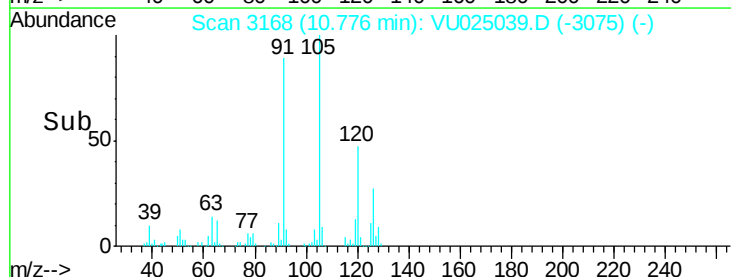
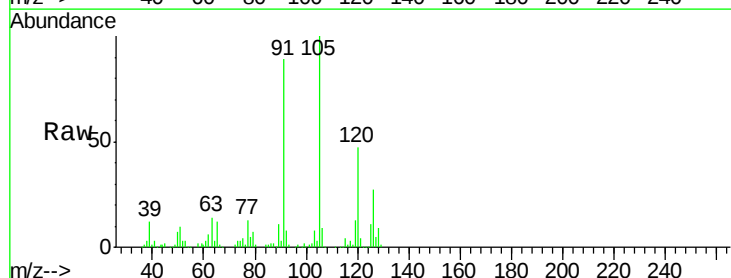
Acq: 28 Jun 2018 23:34

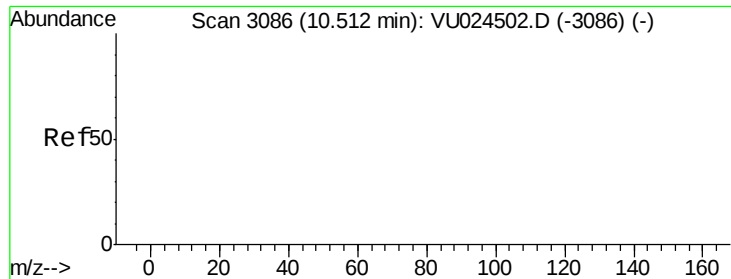
Tgt Ion: 105 Resp: 215629

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.2

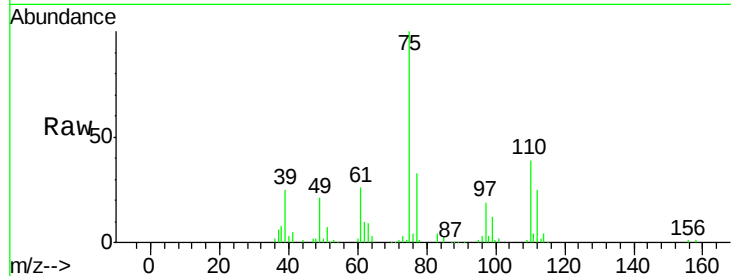




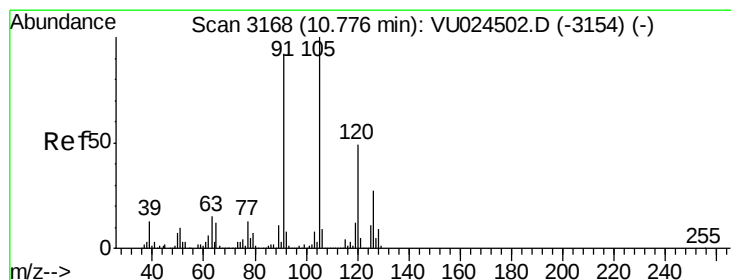
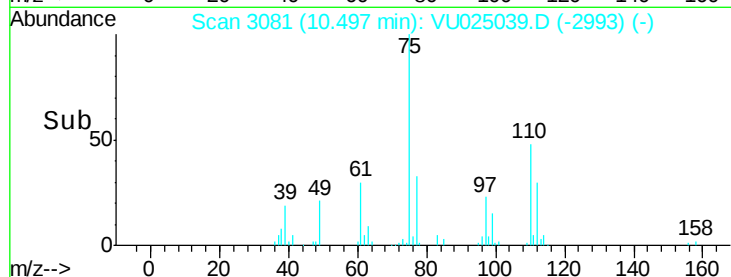
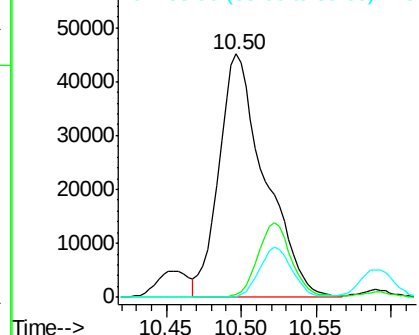
#81
trans-1,4-Dichloro-2-butene
Concen: 69.366 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tgt Ion: 75 Resp: 96729
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

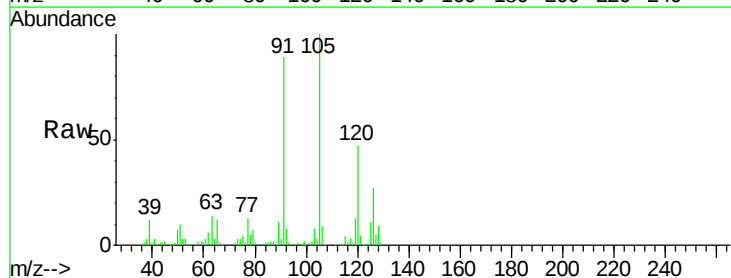


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

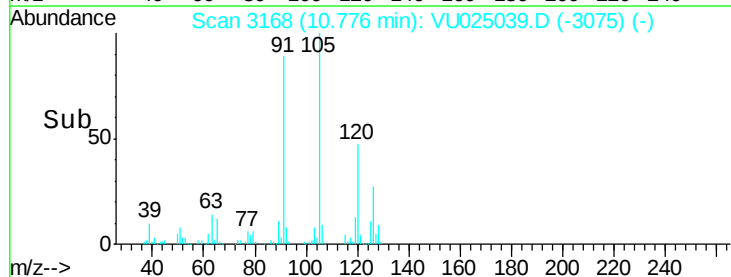
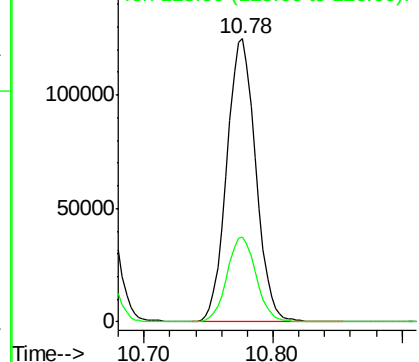


#82
4-Chlorotoluene
Concen: 21.300 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 91 Resp: 193823
Ion Ratio Lower Upper
91 100
126 30.3 14.9 44.9



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

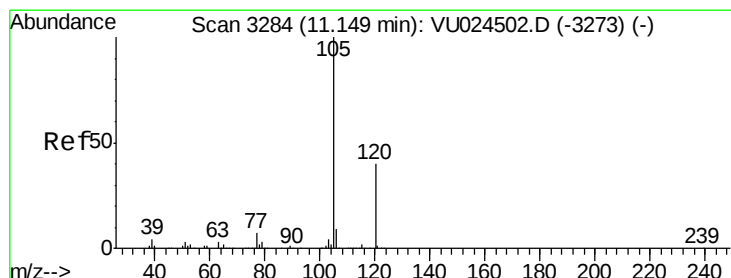
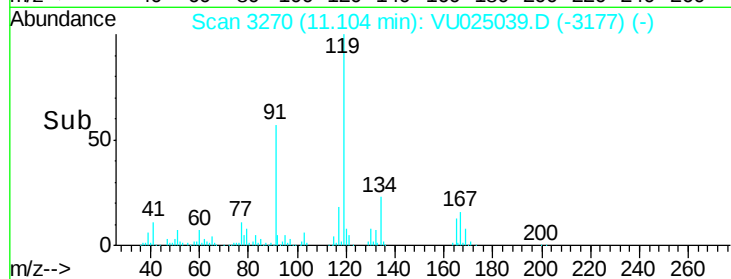
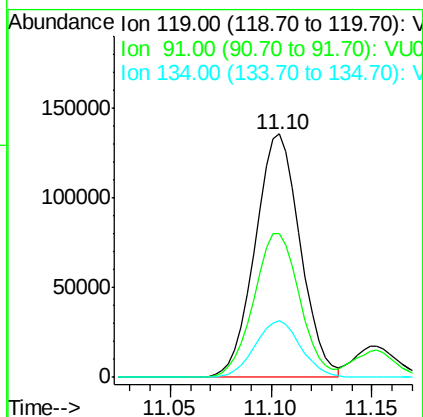
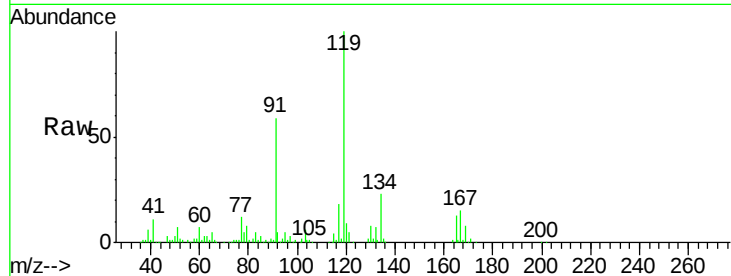




#83
 tert-Butylbenzene
 Concen: 22.628 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

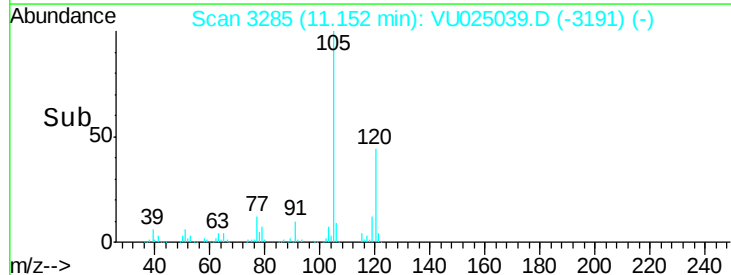
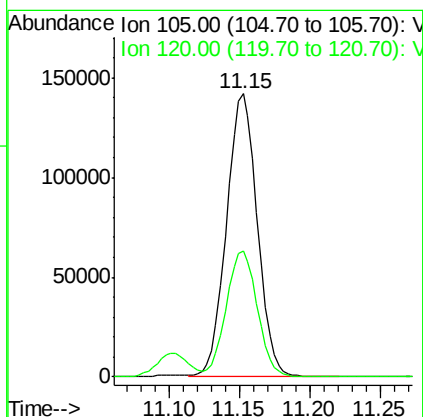
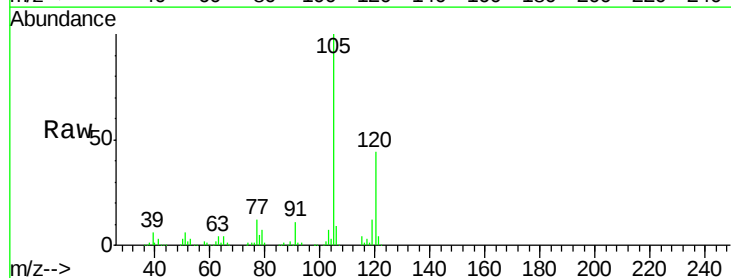
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

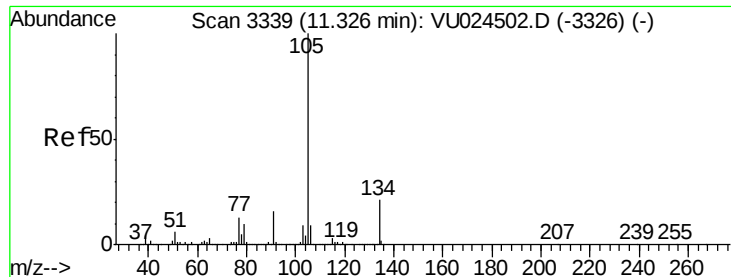
Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.7	89.1
134	23.5	11.6	34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.720 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8

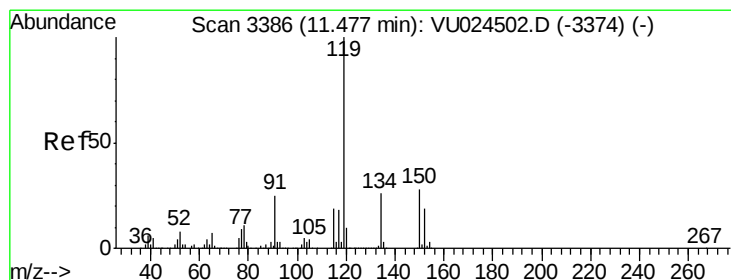
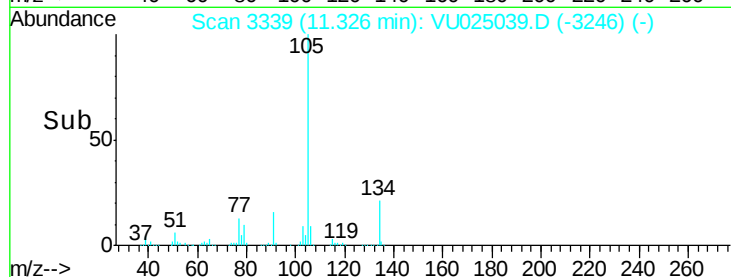
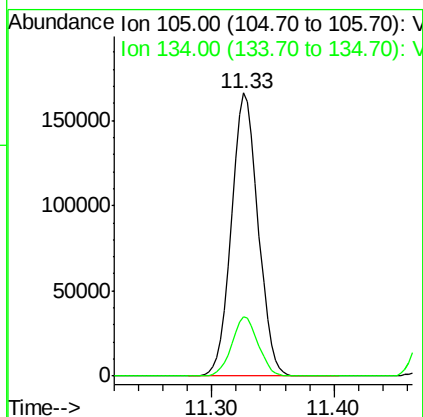
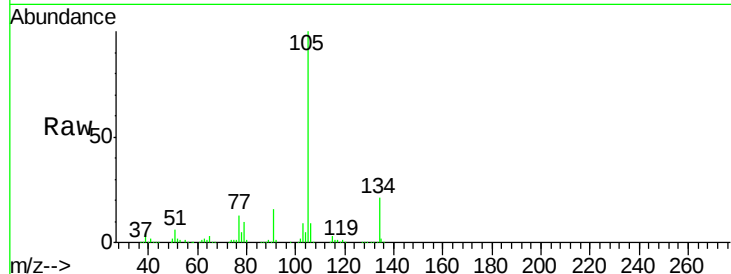




#85
 sec-Butylbenzene
 Concen: 21.538 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

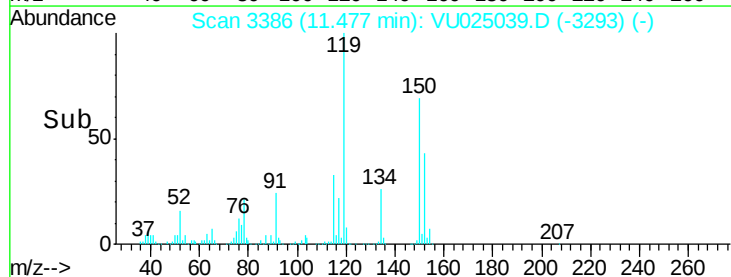
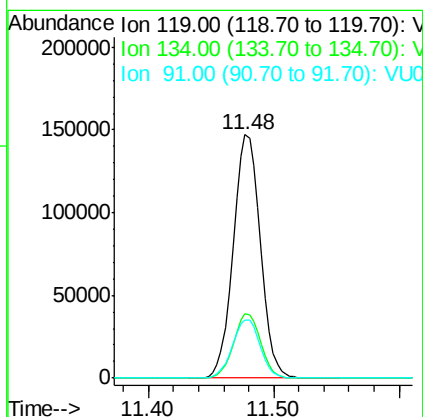
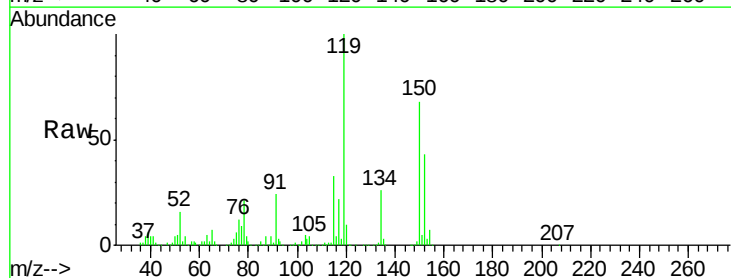
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tgt Ion:105 Resp: 252971
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.985 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion:119 Resp: 220756
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.6
 91 24.5 12.0 36.1

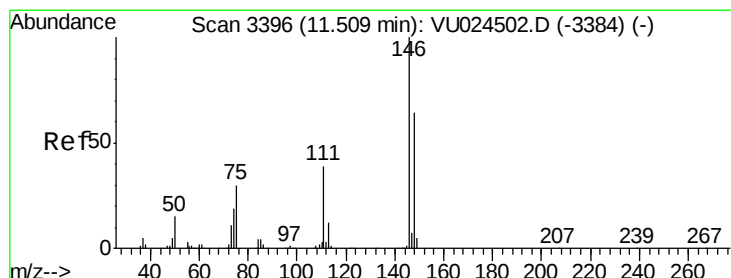
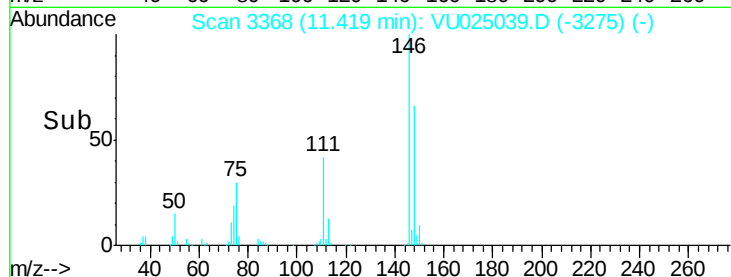
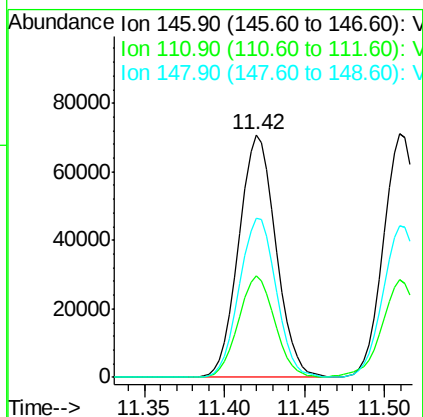
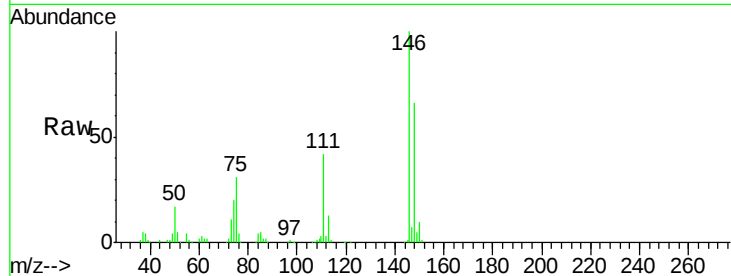




#87
 1,3-Dichlorobenzene
 Concen: 21.275 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

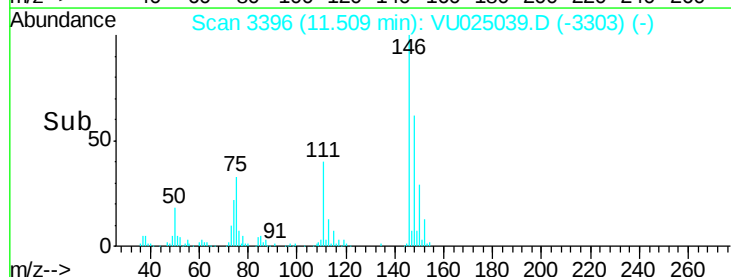
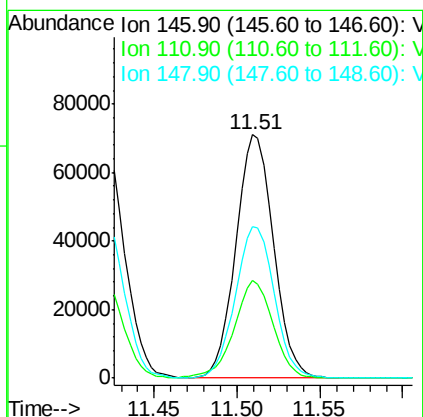
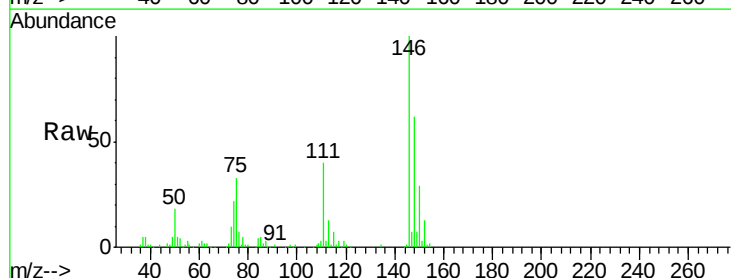
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

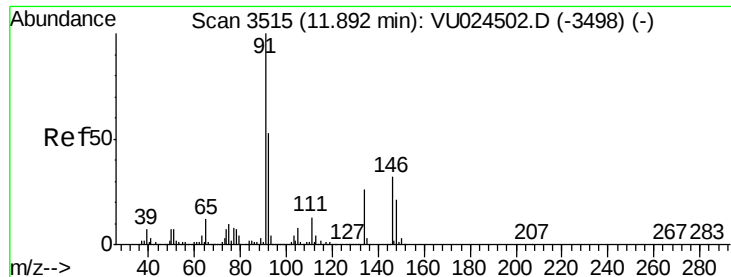
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	65.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.118 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.5	58.5
148	64.9	32.4	97.0





#89

n-Butylbenzene

Concen: 17.936 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

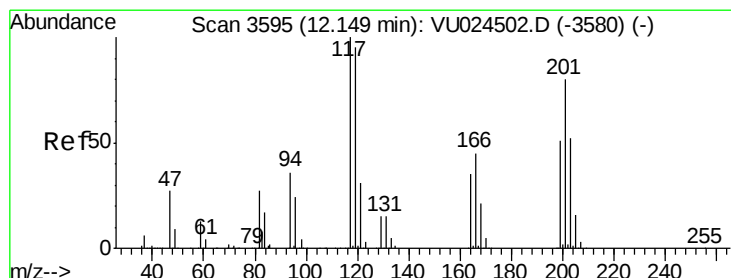
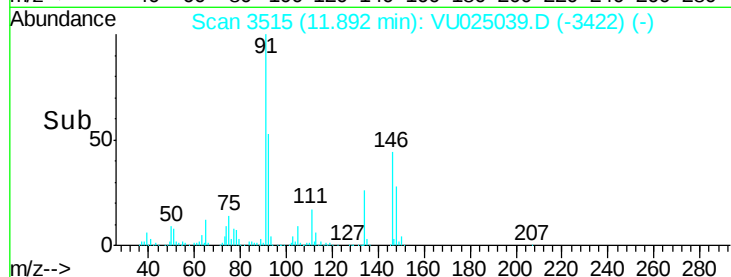
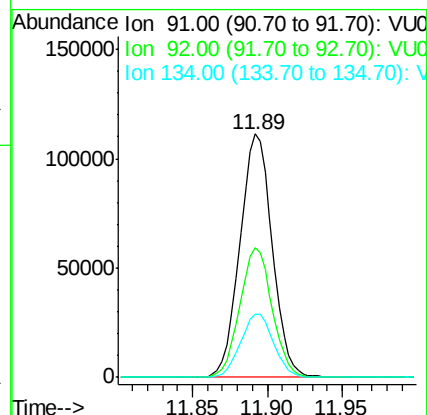
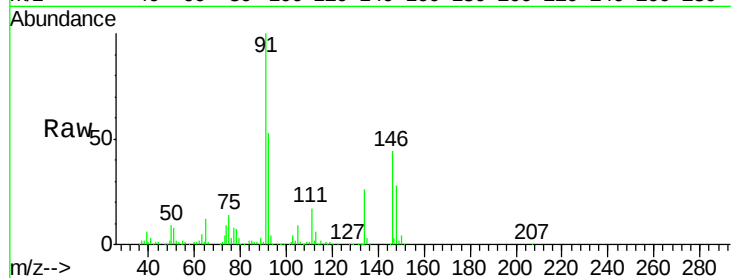
Tgt Ion: 91 Resp: 167509

Ion Ratio Lower Upper

91 100

92 53.2 25.6 76.8

134 26.5 12.3 36.8



#90

Hexachloroethane

Concen: 18.763 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025039.D

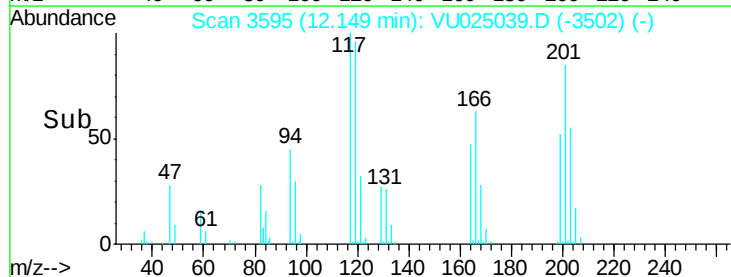
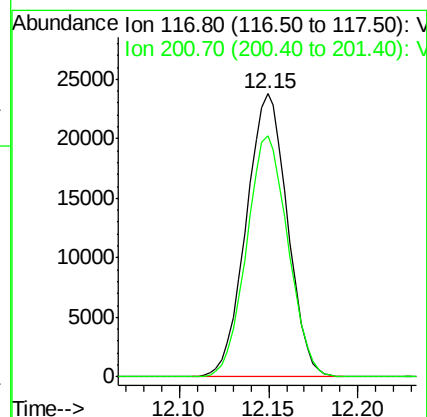
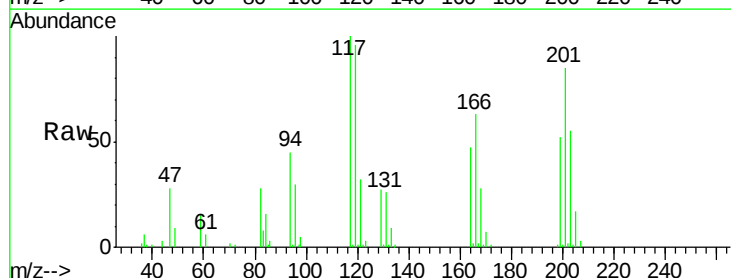
Acq: 28 Jun 2018 23:34

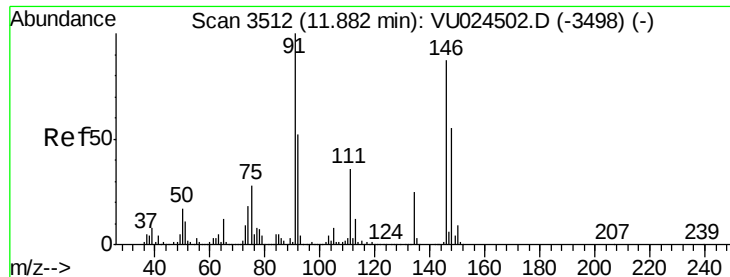
Tgt Ion: 117 Resp: 38503

Ion Ratio Lower Upper

117 100

201 85.4 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 22.588 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

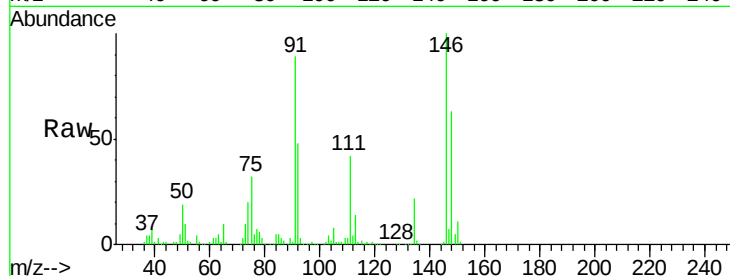
Tgt Ion:146 Resp: 119098

Ion Ratio Lower Upper

146 100

111 41.6 20.5 61.6

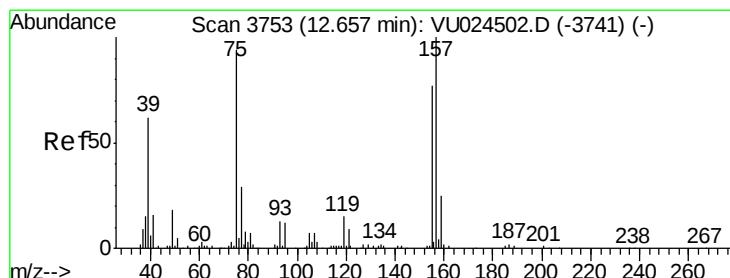
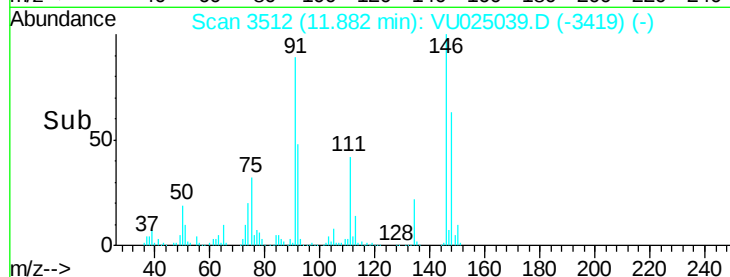
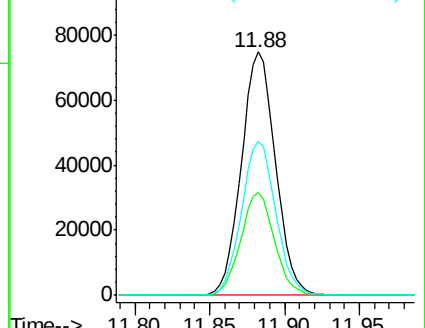
148 63.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.514 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

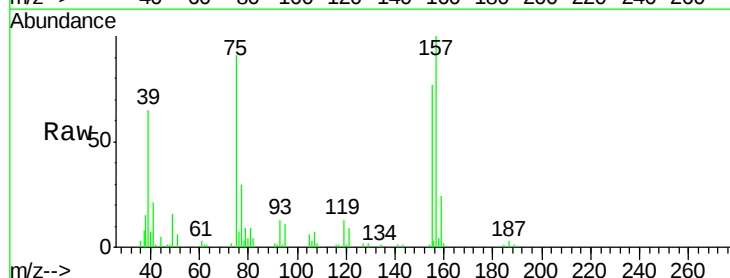
Tgt Ion: 75 Resp: 21348

Ion Ratio Lower Upper

75 100

155 88.9 40.4 121.2

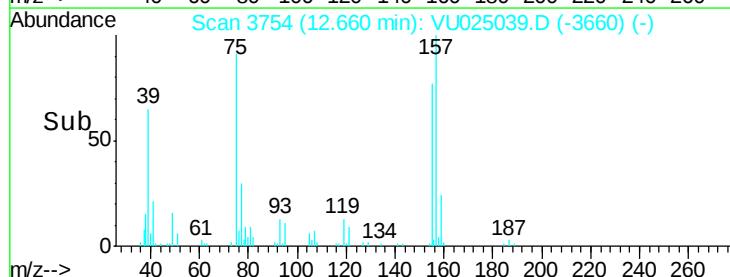
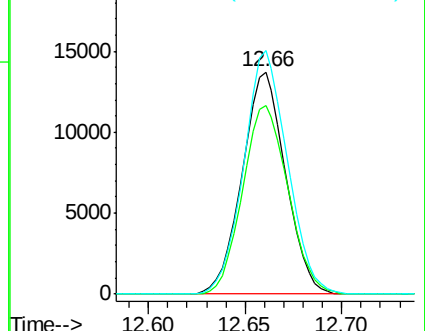
157 110.6 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

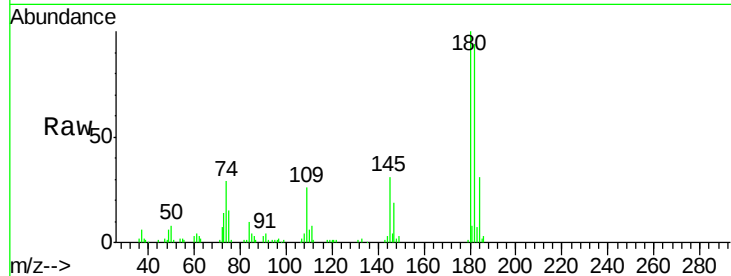




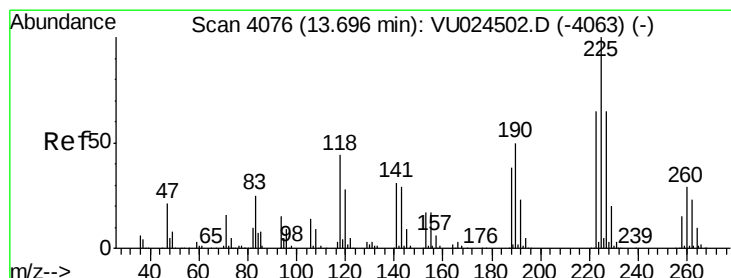
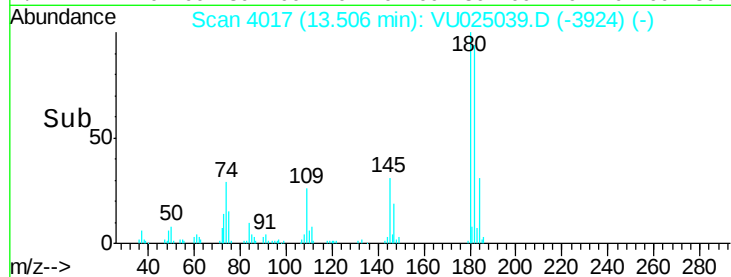
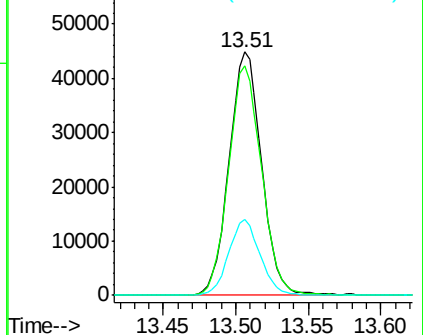
#93
 1,2,4-Trichlorobenzene
 Concen: 21.416 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tgt Ion:180 Resp: 69728
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 30.0 14.7 44.1

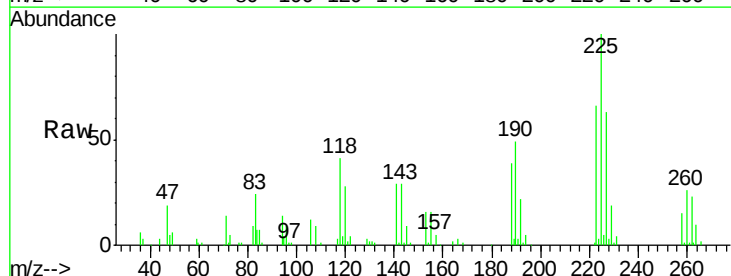


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

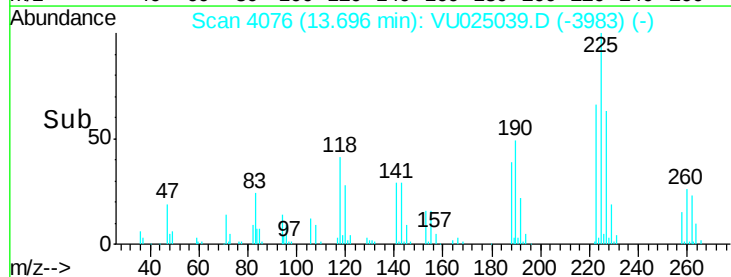
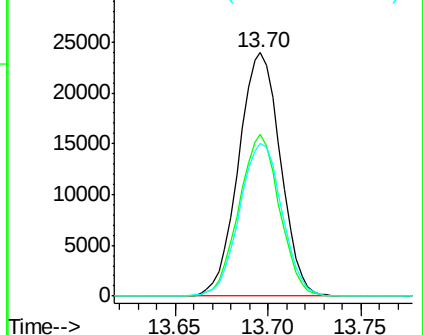


#94
 Hexachlorobutadiene
 Concen: 20.531 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion:225 Resp: 37626
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.3 93.8
 227 63.5 31.8 95.4



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





#95

Naphthalene

Concen: 22.913 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

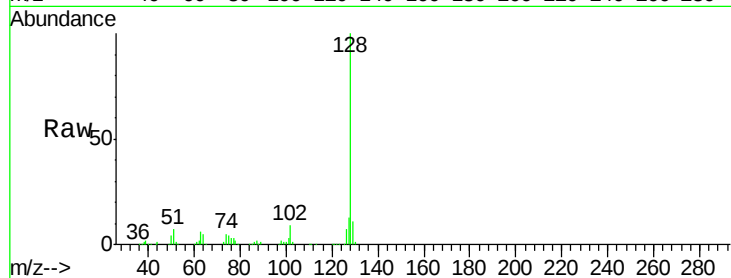
Tgt Ion:128 Resp: 242955

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

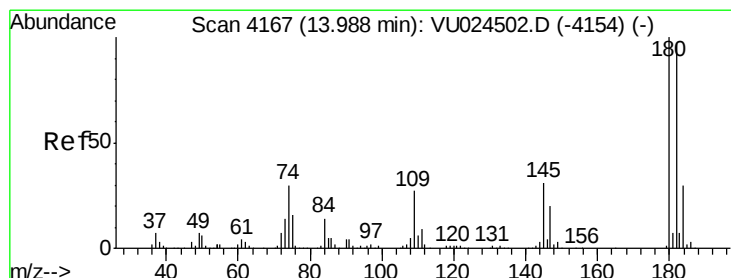
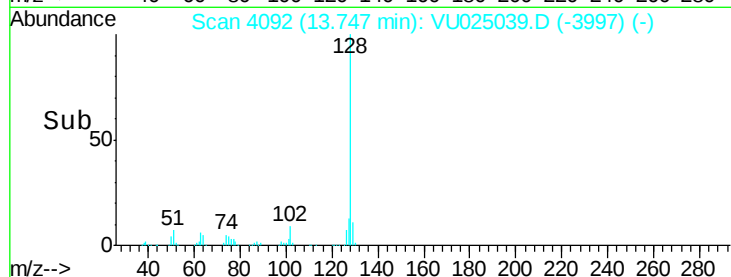
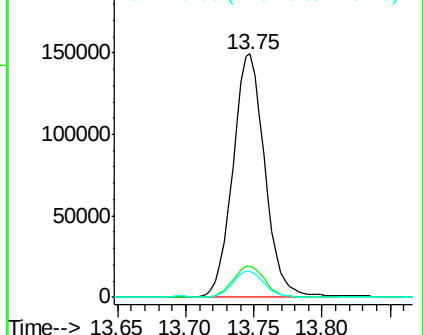
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.365 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

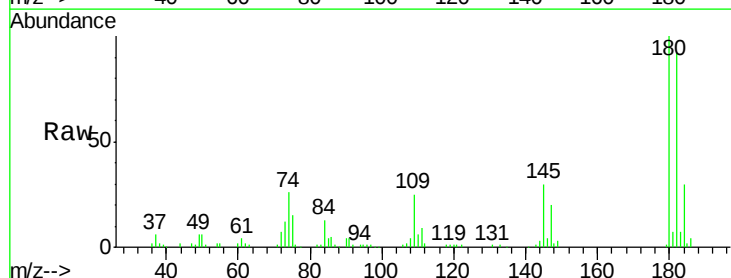
Tgt Ion:180 Resp: 75805

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.7

145 31.0 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

