

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024529.D
 Acq On : 14 Jun 2018 11:06
 Operator : MD/SY
 Sample : VU0614WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:32:20 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	191677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303198	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	143437	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	4.89	113	123324	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	7.57	98	442141	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	10.31	95	171544	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	43830	18.269	ug/l	100
3) Chloromethane	1.33	50	49566	20.222	ug/l	98
4) Vinyl Chloride	1.40	62	49869	19.728	ug/l	95
5) Bromomethane	1.63	94	28192	23.071	ug/l	100
6) Chloroethane	1.70	64	30219	20.778	ug/l	99
7) Trichlorofluoromethane	1.89	101	75558	19.586	ug/l	96
8) Diethyl Ether	2.10	74	28990	20.990	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	44964	18.788	ug/l	97
10) Methyl Iodide	2.41	142	40262	23.064	ug/l	99
11) Tert butyl alcohol	2.83	59	70622	92.797	ug/l	99
12) 1,1-Dichloroethene	2.29	96	41712	19.112	ug/l	92
13) Acrolein	2.20	56	37195	93.071	ug/l	97
14) Allyl chloride	2.60	41	74189	18.308	ug/l	92
15) Acrylonitrile	2.94	53	155944	105.318	ug/l	97
16) Acetone	2.32	43	156853	93.293	ug/l	98
17) Carbon Disulfide	2.48	76	133520	19.106	ug/l	98
18) Methyl Acetate	2.62	43	71678	19.886	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	160045	19.508	ug/l	97
20) Methylene Chloride	2.70	84	49826	18.887	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	47105	19.596	ug/l	91
22) Diisopropyl ether	3.57	45	158765	19.764	ug/l	89
23) Vinyl Acetate	3.53	43	729987	101.442	ug/l	98
24) 1,1-Dichloroethane	3.45	63	89678	19.406	ug/l	99
25) 2-Butanone	4.26	43	230458	102.046	ug/l	96
26) 2,2-Dichloropropane	4.23	77	81174	18.499	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	55396	20.045	ug/l	96
28) Bromochloromethane	4.55	49	47433	23.303	ug/l	90
29) Tetrahydrofuran	4.64	42	142443	101.852	ug/l	97
30) Chloroform	4.68	83	89731	19.184	ug/l	99
31) Cyclohexane	5.00	56	83730	19.186	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	81690	18.886	ug/l	96
36) 1,1-Dichloropropene	5.14	75	65738	18.451	ug/l	94
37) Ethyl Acetate	4.38	43	82925	21.355	ug/l	97
38) Carbon Tetrachloride	5.14	117	74682	19.062	ug/l	97

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 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)
39) Methylcyclohexane	6.42	83	84553	19.017	ug/l	95
40) Benzene	5.39	78	196381	19.344	ug/l	100
41) Methacrylonitrile	4.55	41	43379	20.719	ug/l	98
42) 1,2-Dichloroethane	5.41	62	73175	18.925	ug/l	96
43) Isopropyl Acetate	5.55	43	131285	19.559	ug/l	97
44) Trichloroethene	6.19	130	54272	18.784	ug/l	98
45) 1,2-Dichloropropane	6.44	63	54090	19.968	ug/l	99
46) Dibromomethane	6.56	93	37668	19.797	ug/l	94
47) Bromodichloromethane	6.76	83	73193	19.318	ug/l #	99
48) Methyl methacrylate	6.63	41	65075	19.910	ug/l	99
49) 1,4-Dioxane	6.62	88	24095	376.959	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	433882	102.889	ug/l	98
52) Toluene	7.64	92	124570	19.072	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	82499	19.389	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	86943	19.177	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	51274	19.312	ug/l	99
56) Ethyl methacrylate	8.02	69	89078	20.046	ug/l	98
57) 1,3-Dichloropropane	8.25	76	88394	19.736	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	174752	102.649	ug/l	95
59) 2-Hexanone	8.36	43	344774	100.144	ug/l	98
60) Dibromochloromethane	8.48	129	62640	18.920	ug/l	99
61) 1,2-Dibromoethane	8.59	107	57586	19.487	ug/l	97
64) Tetrachloroethene	8.23	164	47472	17.360	ug/l	96
65) Chlorobenzene	9.12	112	143107	19.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	55521	19.884	ug/l	98
67) Ethyl Benzene	9.25	91	252364	19.587	ug/l	98
68) m/p-Xylenes	9.38	106	191439	38.694	ug/l	98
69) o-Xylene	9.78	106	94609	19.322	ug/l	96
70) Styrene	9.80	104	157663	19.594	ug/l	99
71) Bromoform	9.96	173	52639	19.834	ug/l #	97
73) Isopropylbenzene	10.17	105	249409	19.380	ug/l	97
74) N-amyl acetate	10.01	43	123512	20.178	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	89004	20.638	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	106176	28.771	ug/l	83
77) Bromobenzene	10.45	156	65517	20.109	ug/l	95
78) n-propylbenzene	10.59	91	299061	19.727	ug/l	98
79) 2-Chlorotoluene	10.66	91	174866	19.560	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	215355	19.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	106176	66.588	ug/l #	100
82) 4-Chlorotoluene	10.78	91	203908	19.597	ug/l	98
83) tert-Butylbenzene	11.10	119	216008	20.132	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	221699	19.503	ug/l	99
85) sec-Butylbenzene	11.33	105	262493	19.544	ug/l	98
86) p-Isopropyltoluene	11.48	119	231154	19.217	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	117549	19.529	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	117714	19.430	ug/l	98
89) n-Butylbenzene	11.89	91	210373	19.699	ug/l	97
90) Hexachloroethane	12.15	117	44386	18.916	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	117649	19.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23529	19.773	ug/l	92

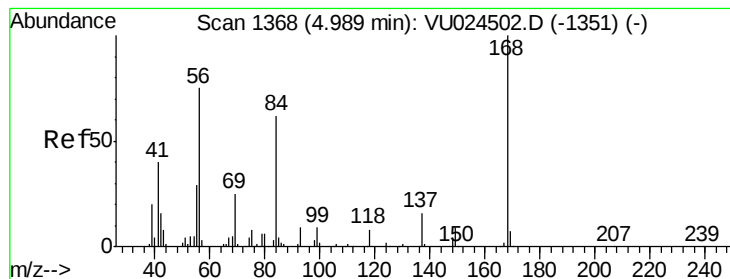
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	79528	21.361	ug/l	99
94) Hexachlorobutadiene	13.70	225	42661	20.358	ug/l	99
95) Naphthalene	13.75	128	245875	20.357	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	80172	21.611	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: VU024529.D

Acq: 14 Jun 2018 11:06

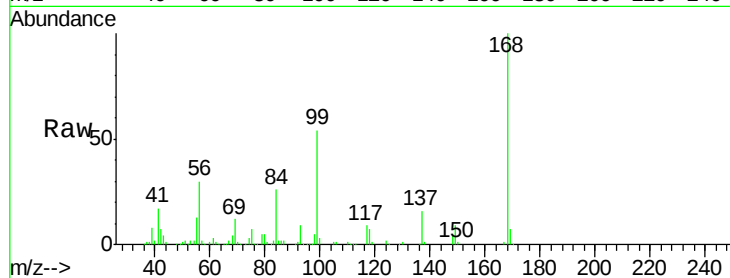
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 191677

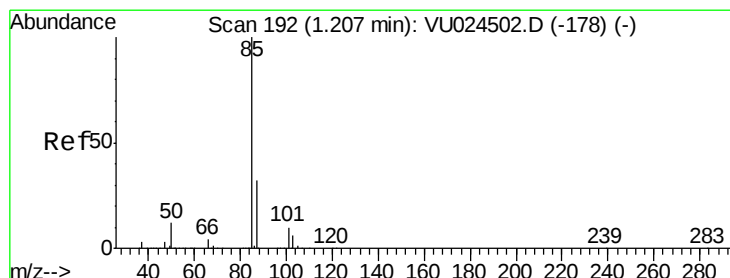
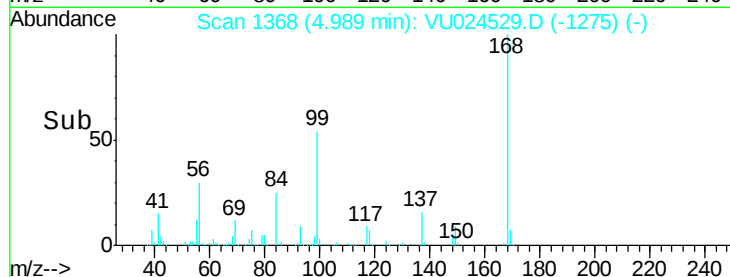
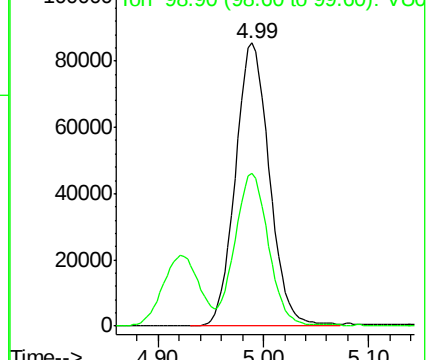
Ion Ratio Lower Upper

168 100

99 53.5 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 18.269 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024529.D

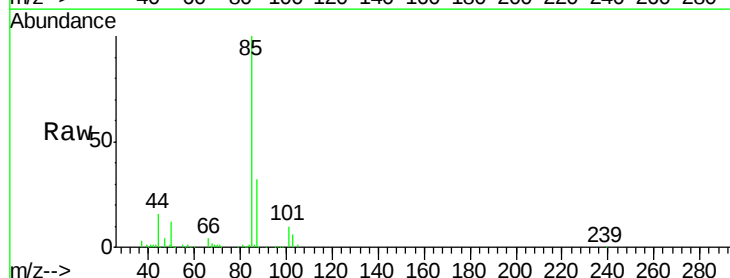
Acq: 14 Jun 2018 11:06

Tgt Ion: 85 Resp: 43830

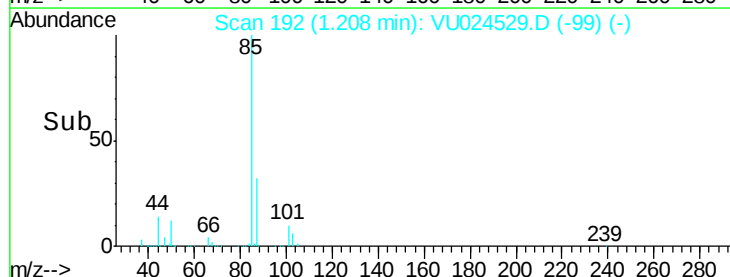
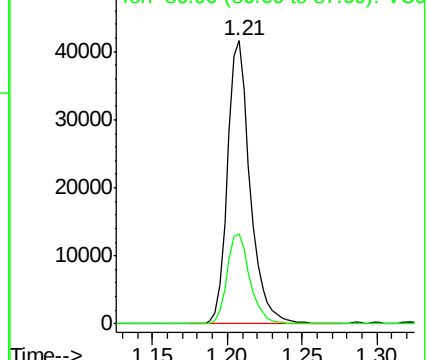
Ion Ratio Lower Upper

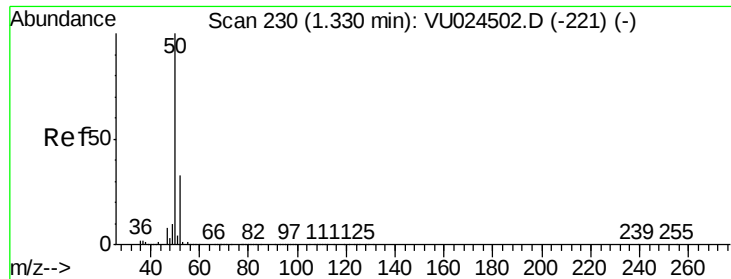
85 100

87 32.0 16.1 48.2



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

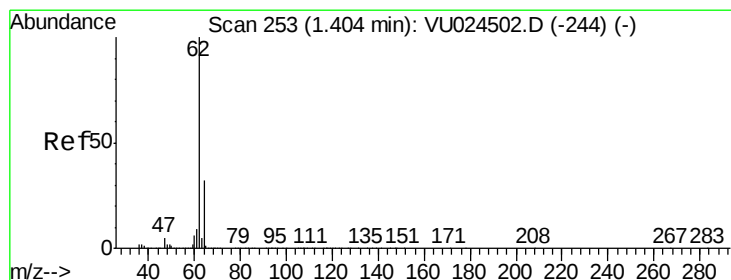
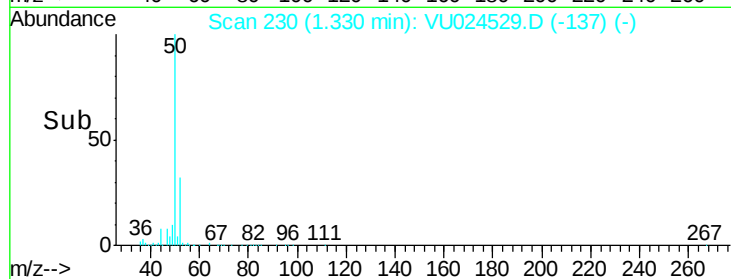
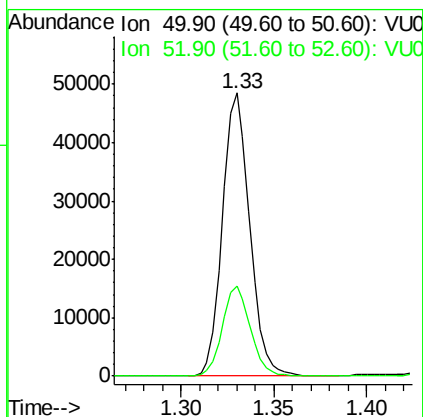
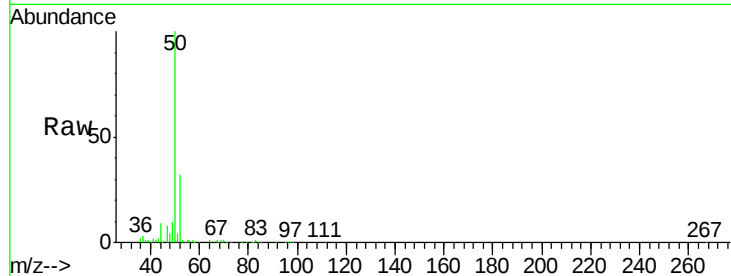




#3
Chloromethane
Concen: 20.222 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

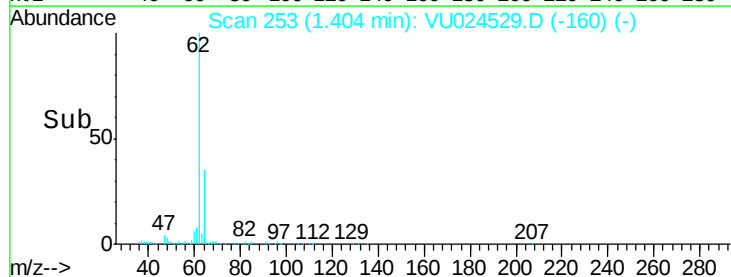
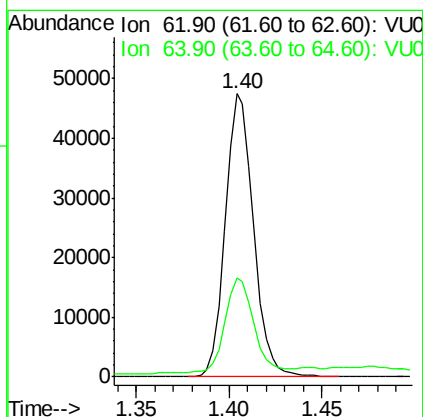
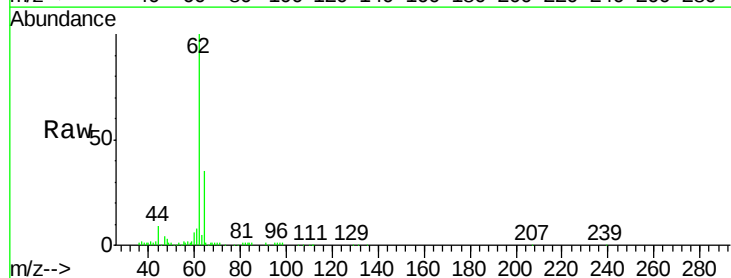
Instrument :
MSVOA_U
ClientSampleId :

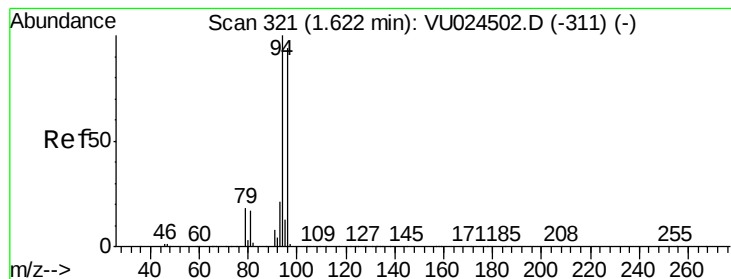
Tot Ion: 50 Resp: 49566
Ion Ratio Lower Upper
50 100
52 32.0 26.4 39.6



#4
Vinyl Chloride
Concen: 19.728 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 62 Resp: 49869
Ion Ratio Lower Upper
62 100
64 33.5 24.8 37.2





#5

Bromomethane

Concen: 23.071 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

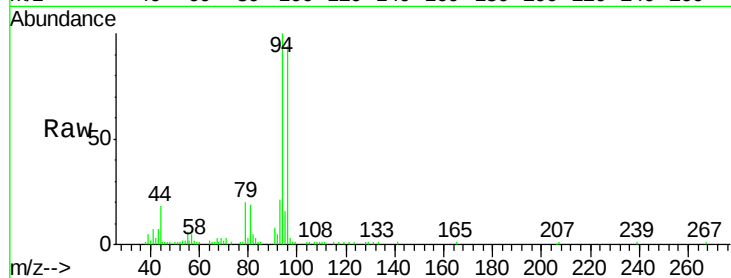
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 28192

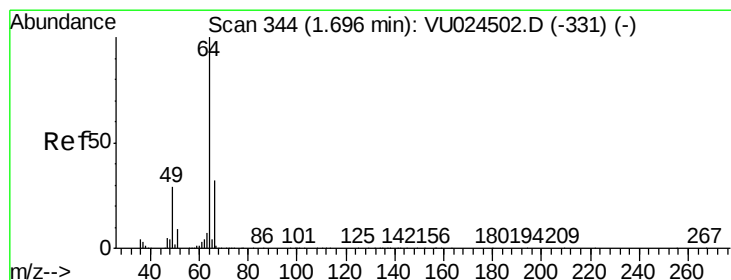
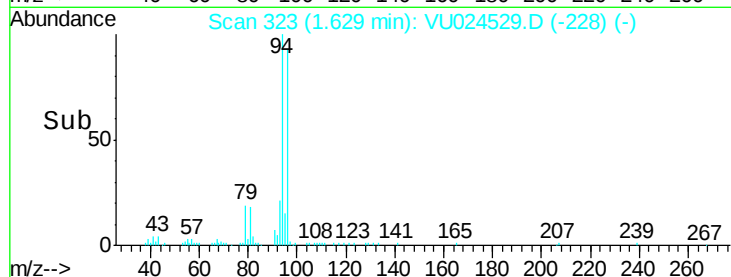
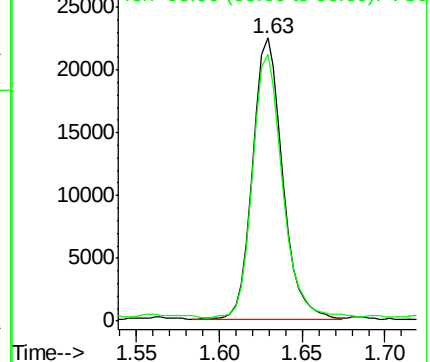
Ion Ratio Lower Upper

94 100

96 92.9 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: 20.778 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024529.D

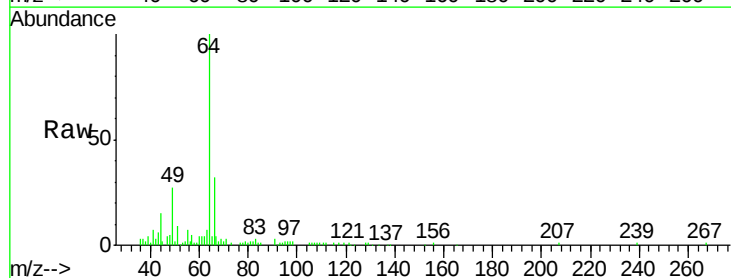
Acq: 14 Jun 2018 11:06

Tgt Ion: 64 Resp: 30219

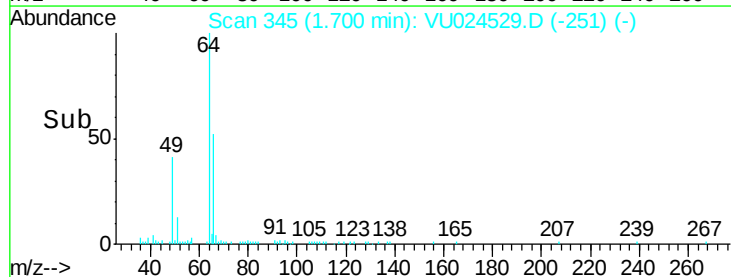
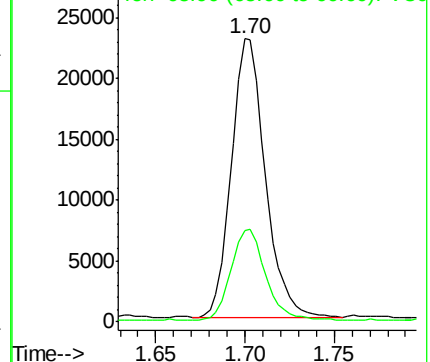
Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0
Ion 65.90 (65.60 to 66.60): VU0



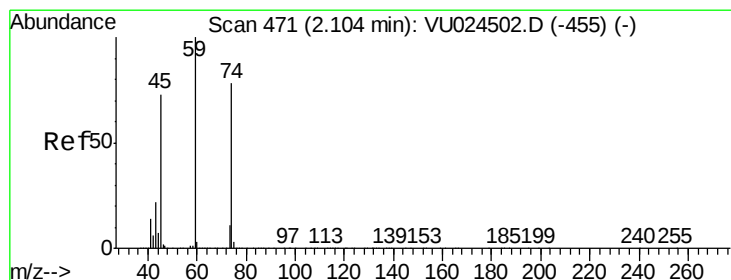
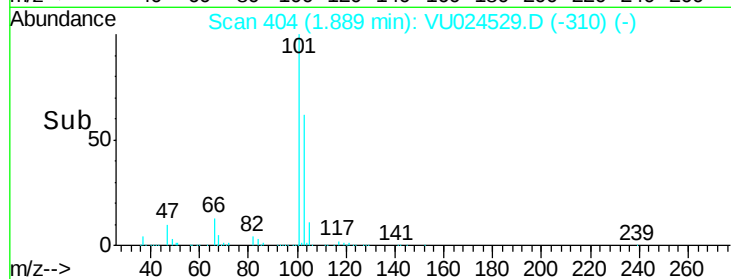
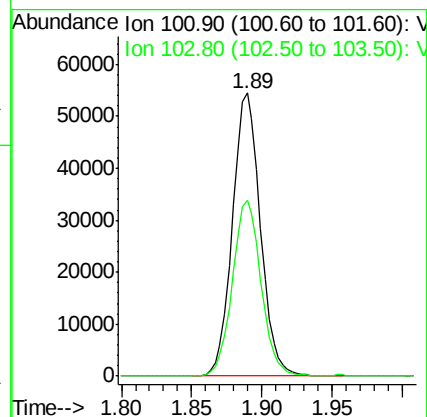
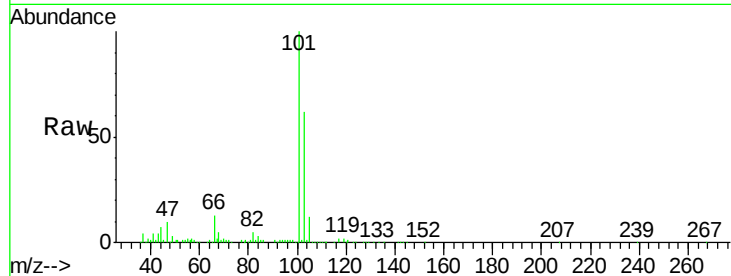


#7

Trichlorofluoromethane
Concen: 19.586 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :

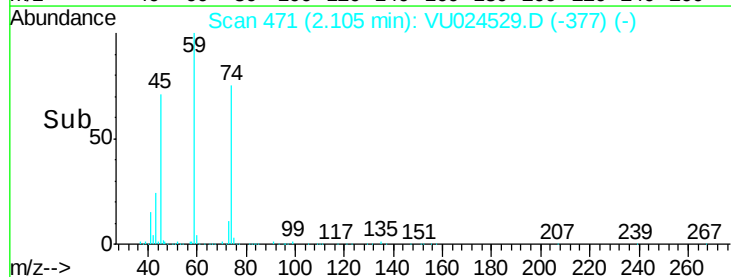
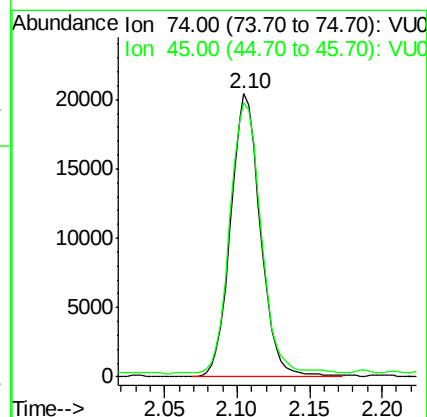
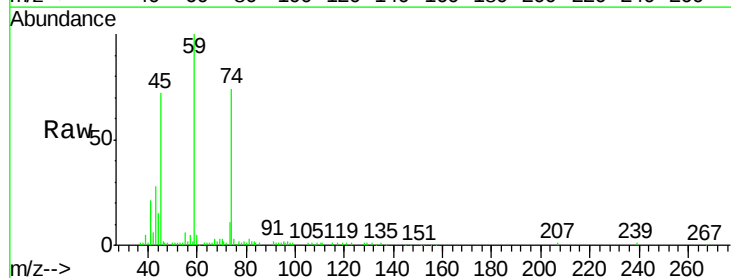
Tot Ion:101 Resp: 75558
Ion Ratio Lower Upper
101 100
103 62.1 52.3 78.5

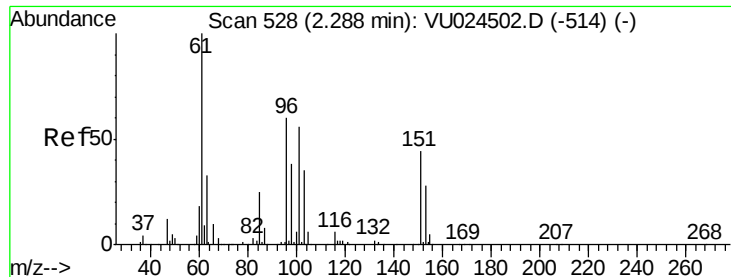


#8

Diethyl Ether
Concen: 20.990 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 74 Resp: 28990
Ion Ratio Lower Upper
74 100
45 99.0 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.788 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024529.D

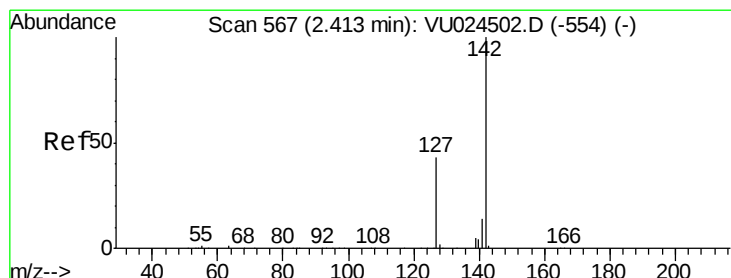
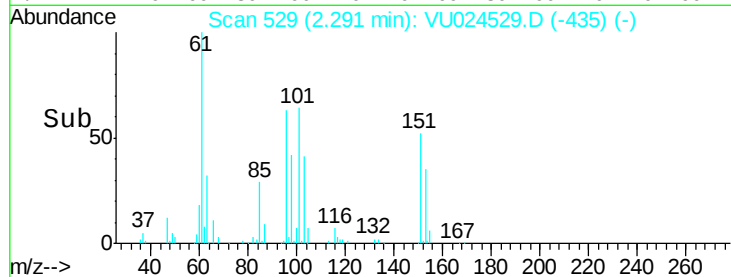
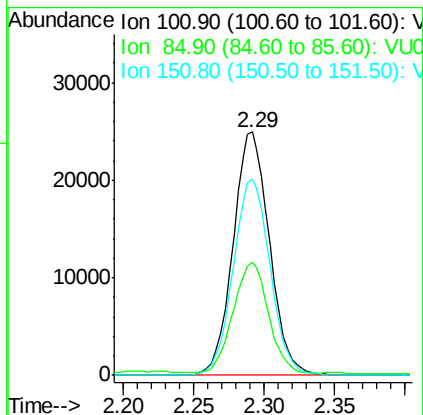
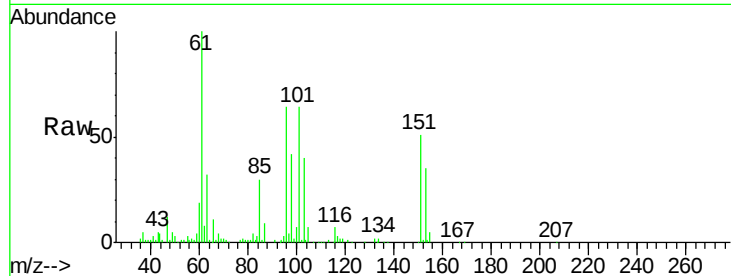
Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	101	Resp:	44964
Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.0	54.0
151	82.0	62.3	93.5



#10

Methyl Iodide

Concen: 23.064 ug/l

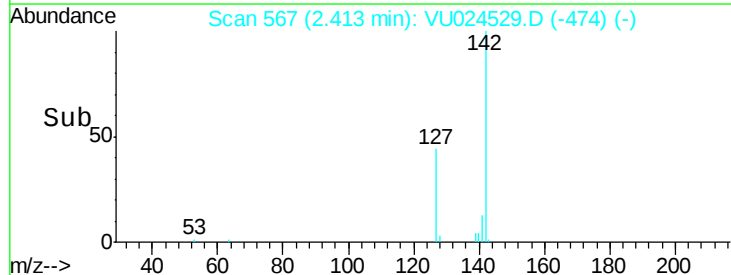
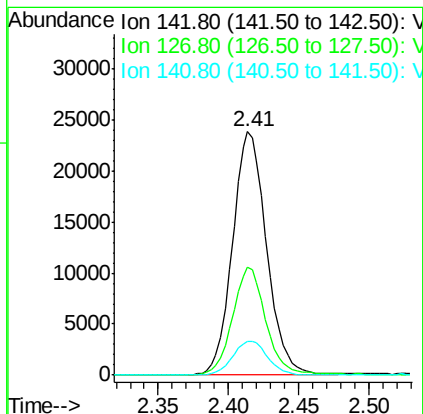
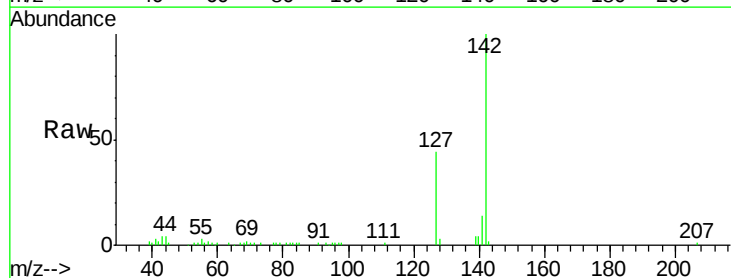
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Tgt Ion:	142	Resp:	40262
Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.6	53.4
141	14.3	11.7	17.5



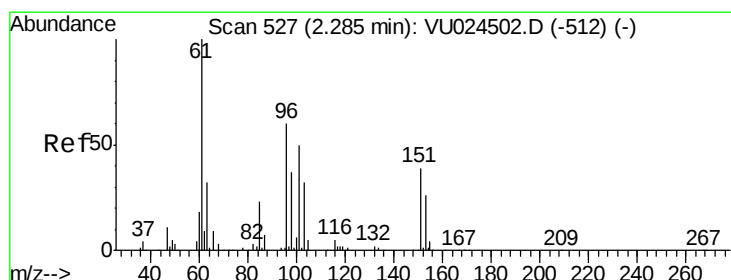
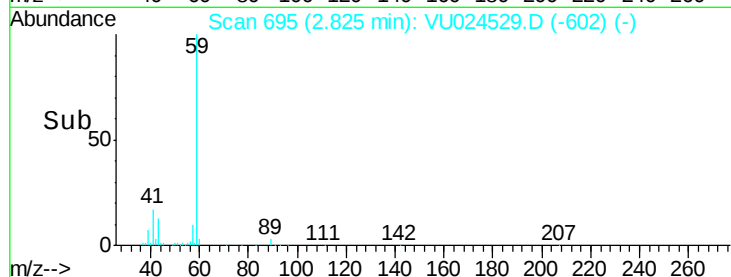
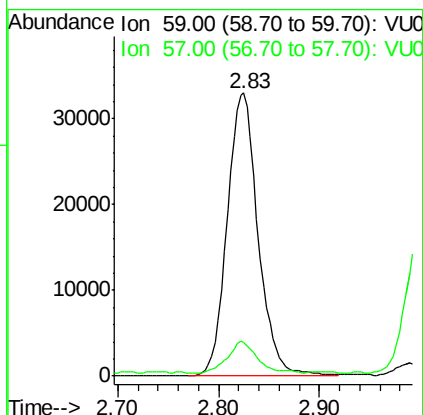
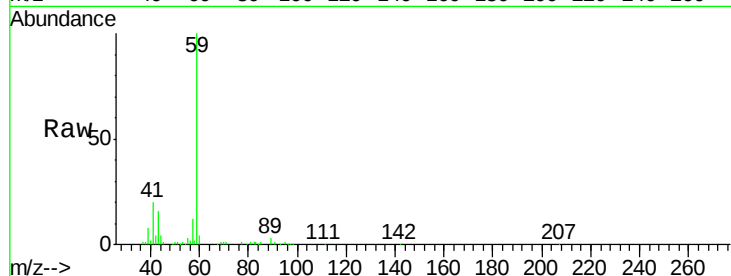


#11

Tert butyl alcohol
 Concen: 92.797 ug/l
 RT: 2.83 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Instrument :
 MSVOA_U
 ClientSampleId :

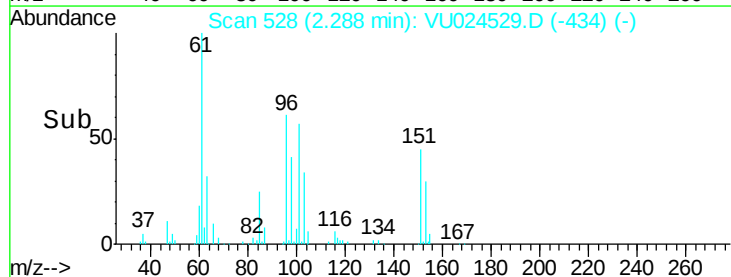
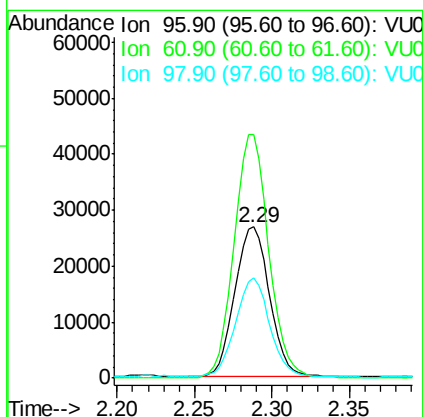
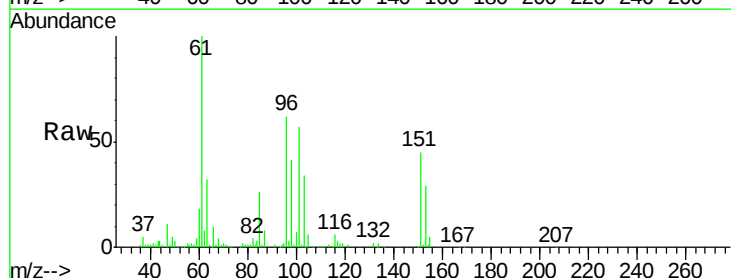
Tot Ion: 59 Resp: 70622
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

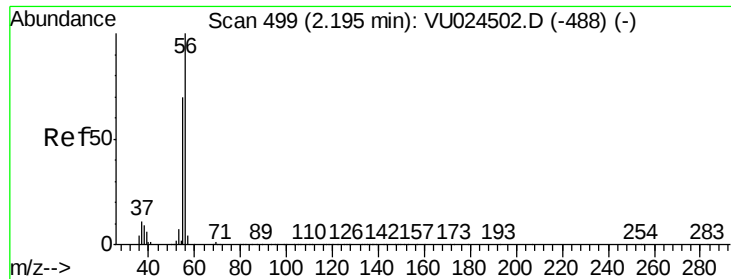


#12

1,1-Dichloroethene
 Concen: 19.112 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Tgt Ion: 96 Resp: 41712
 Ion Ratio Lower Upper
 96 100
 61 162.2 141.7 212.5
 98 65.8 51.6 77.4





#13

Acrolein

Concen: 93.071 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

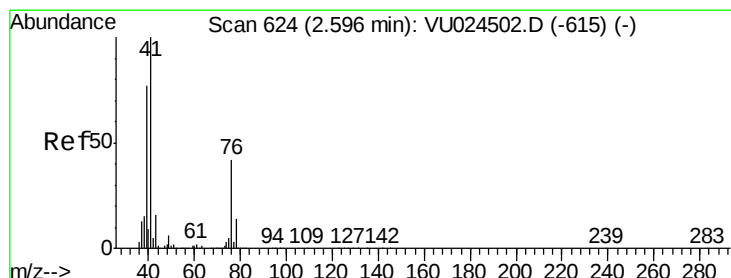
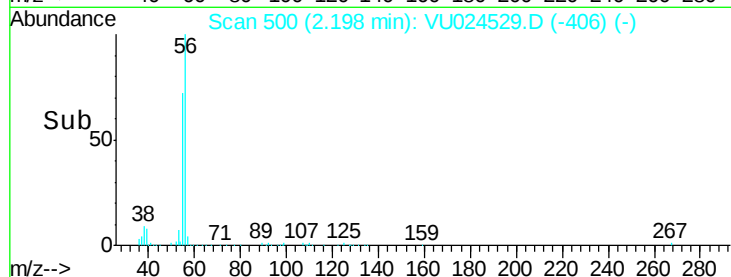
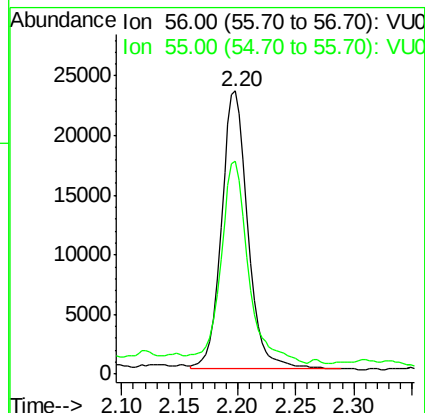
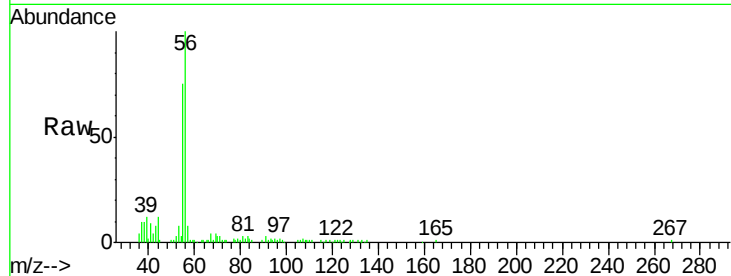
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 37195

Ion Ratio Lower Upper

56 100

55 75.2 58.4 87.6



#14

Allyl chloride

Concen: 18.308 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

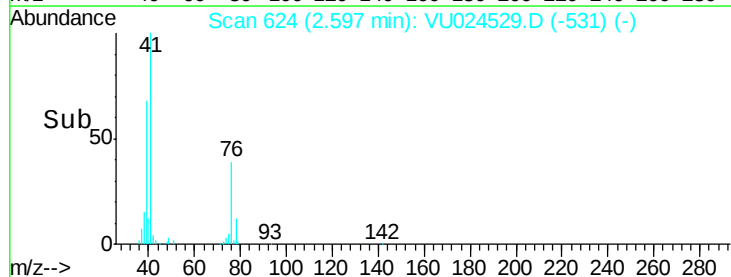
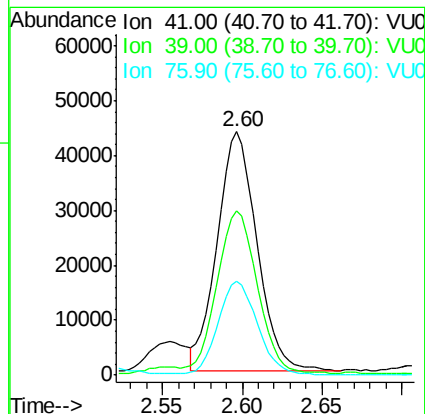
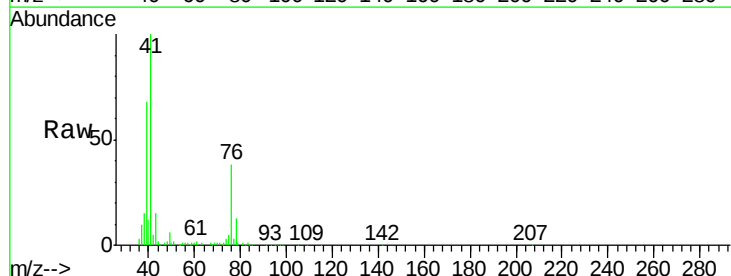
Tgt Ion: 41 Resp: 74189

Ion Ratio Lower Upper

41 100

39 68.6 61.6 92.4

76 39.0 29.7 44.5





#15

Acrylonitrile

Concen: 105.318 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :

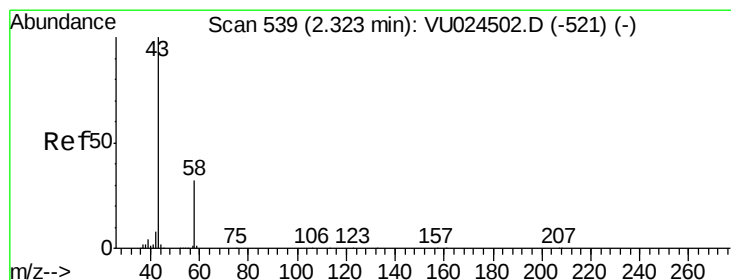
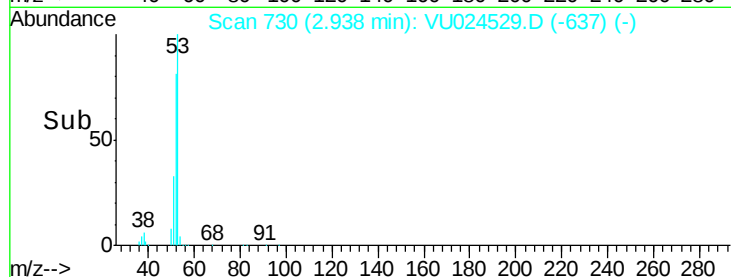
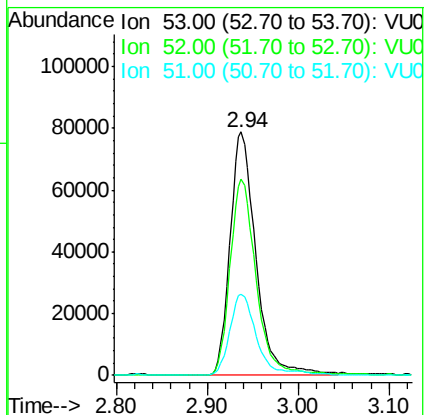
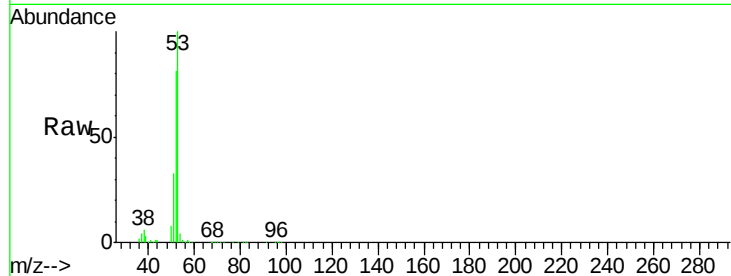
Tot Ion: 53 Resp: 155944

Ion Ratio Lower Upper

53 100

52 81.5 67.1 100.7

51 33.6 28.4 42.6



#16

Acetone

Concen: 93.293 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024529.D

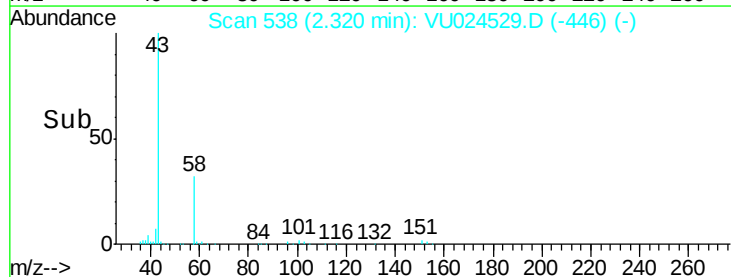
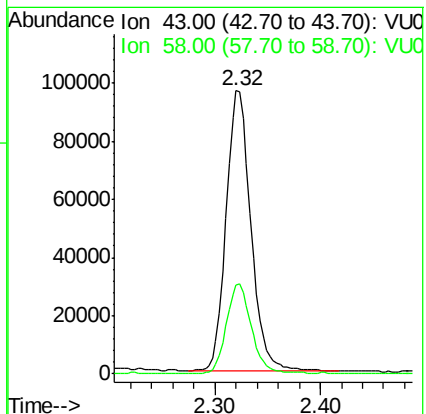
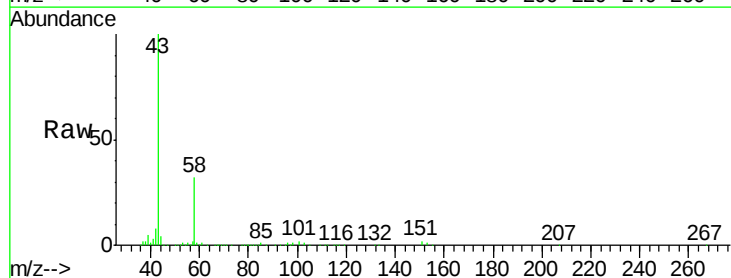
Acq: 14 Jun 2018 11:06

Tgt Ion: 43 Resp: 156853

Ion Ratio Lower Upper

43 100

58 31.6 24.4 36.6





#17

Carbon Disulfide

Concen: 19.106 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

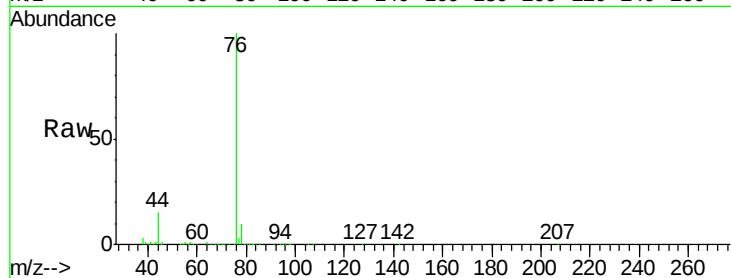
ClientSampleId :

Tot Ion: 76 Resp: 133520

Ion Ratio Lower Upper

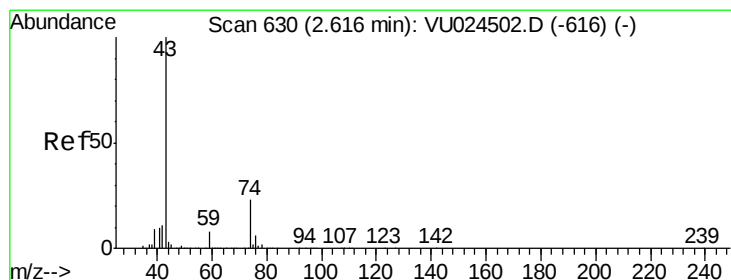
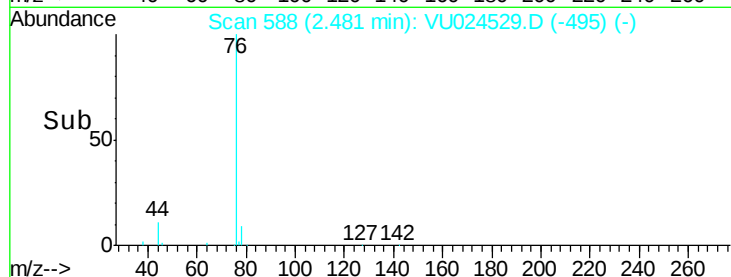
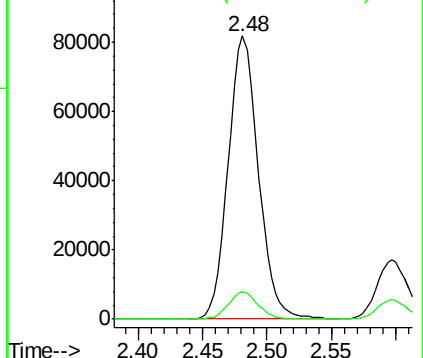
76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.886 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024529.D

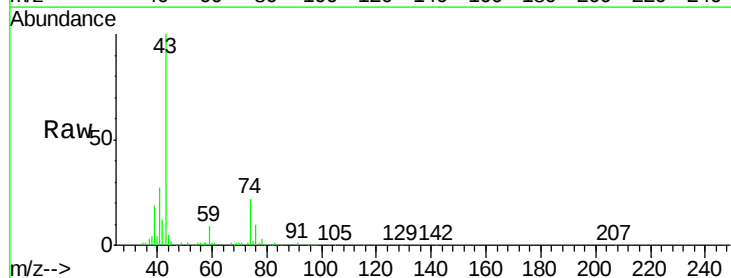
Acq: 14 Jun 2018 11:06

Tgt Ion: 43 Resp: 71678

Ion Ratio Lower Upper

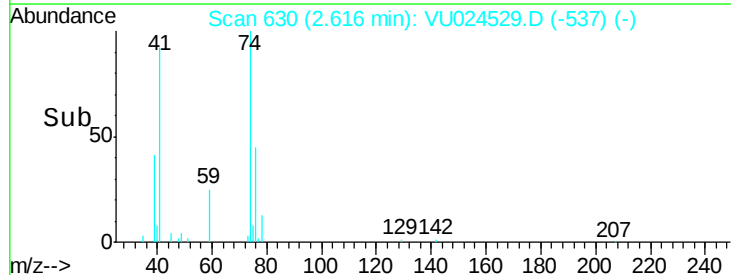
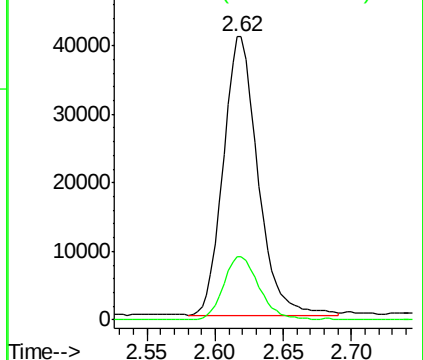
43 100

74 23.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

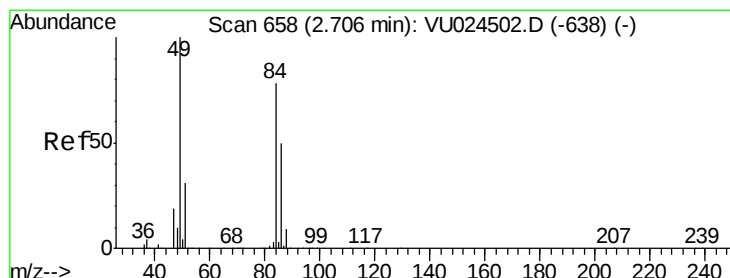
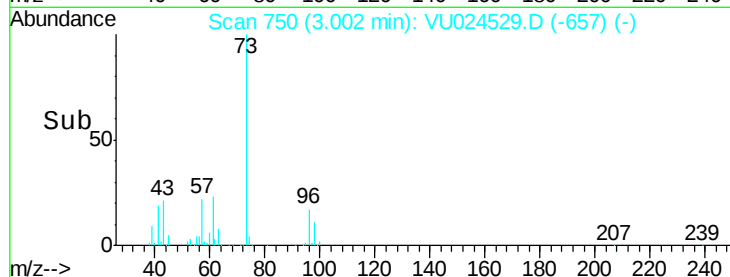
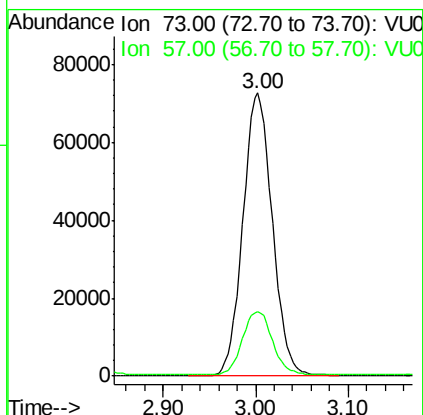
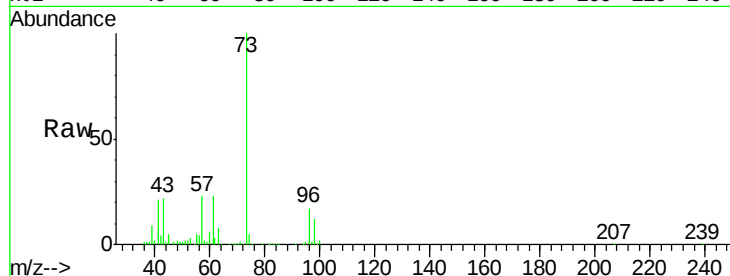




#19
Methyl tert-butyl Ether
Concen: 19.508 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

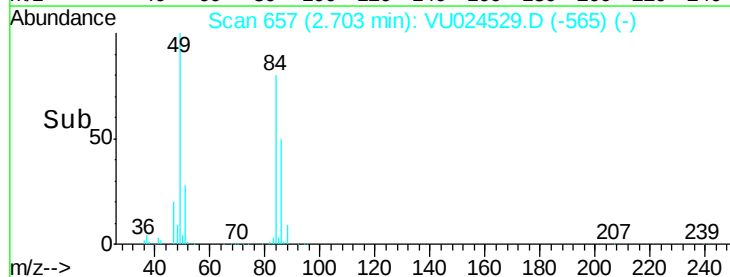
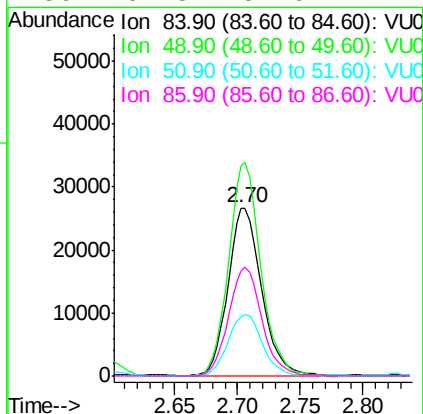
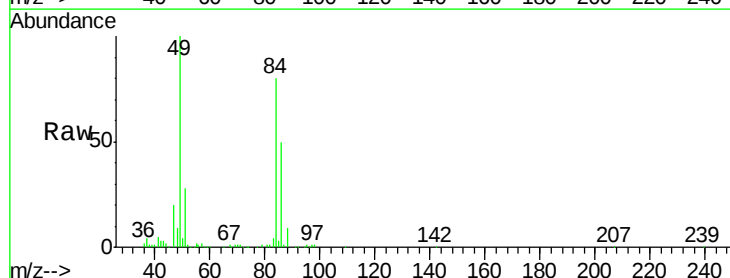
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 160045
Ion Ratio Lower Upper
73 100
57 22.1 18.8 28.2



#20
Methylene Chloride
Concen: 18.887 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 84 Resp: 49826
Ion Ratio Lower Upper
84 100
49 124.9 103.8 155.8
51 35.2 32.0 48.0
86 62.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.596 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

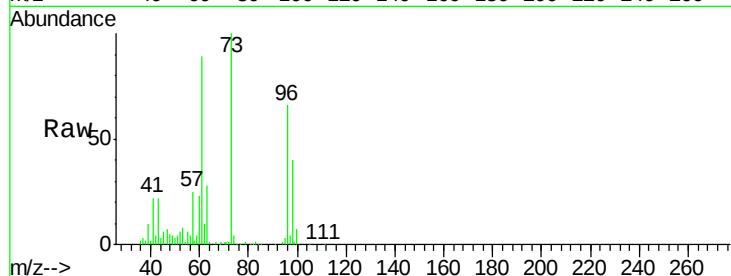
Tot Ion: 96 Resp: 47105

Ion Ratio Lower Upper

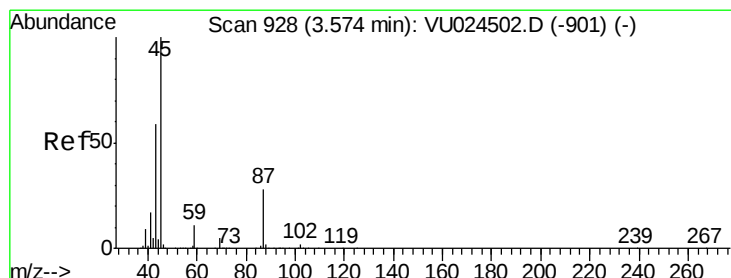
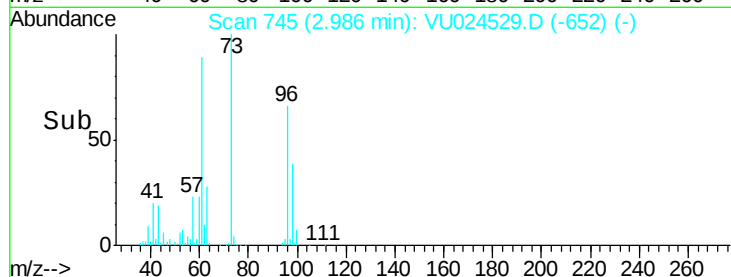
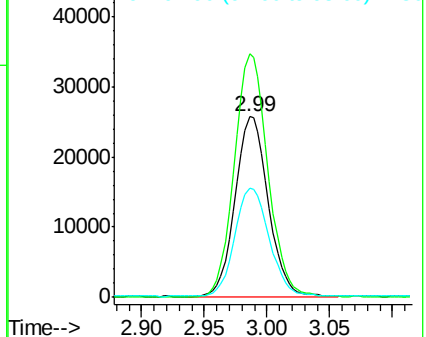
96 100

61 135.4 119.4 179.0

98 59.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.764 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Tgt Ion: 45 Resp: 158765

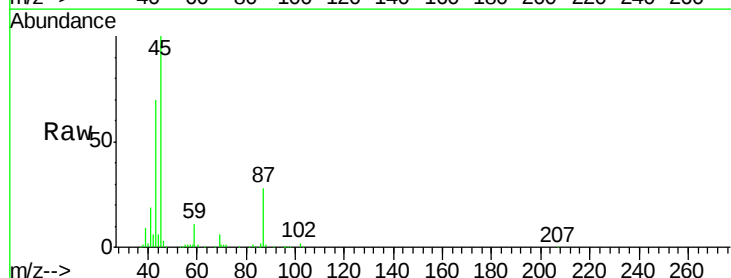
Ion Ratio Lower Upper

45 100

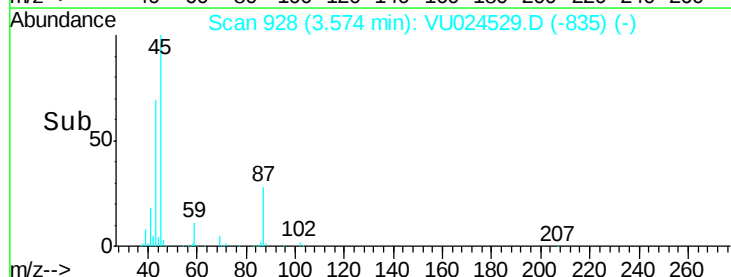
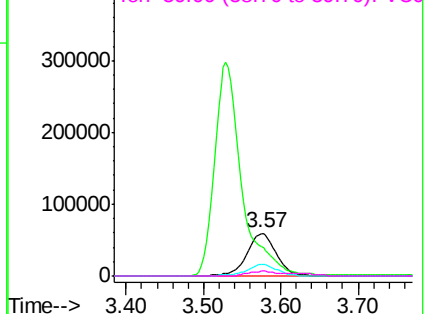
43 68.5 45.8 68.6

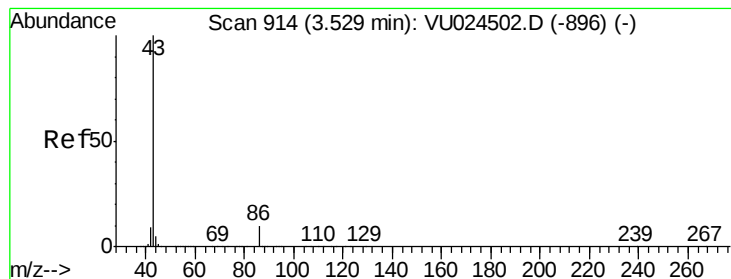
87 28.1 20.6 31.0

59 11.3 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.442 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

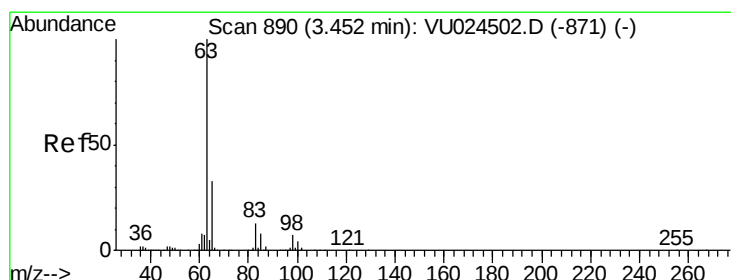
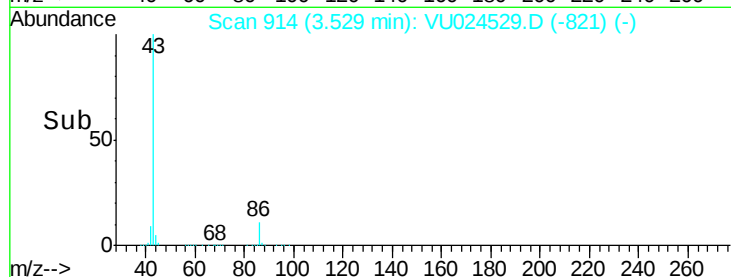
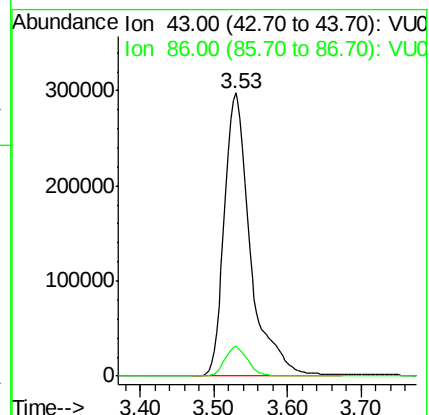
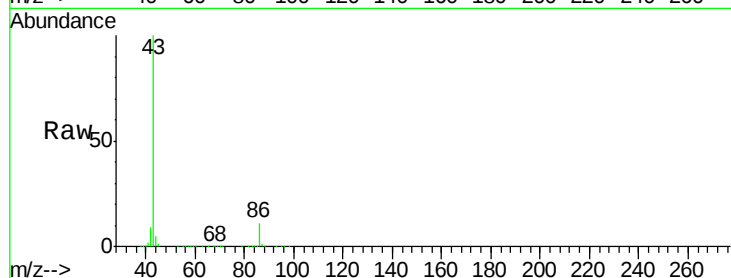
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 729987

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



#24

1,1-Dichloroethane

Concen: 19.406 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

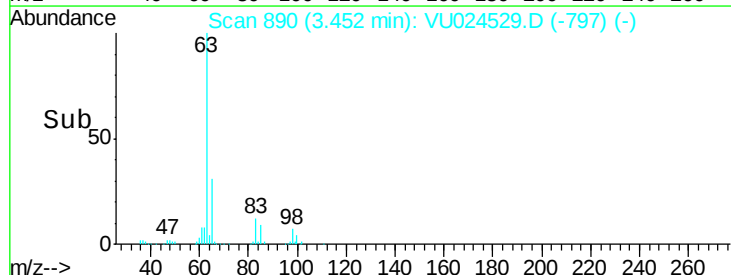
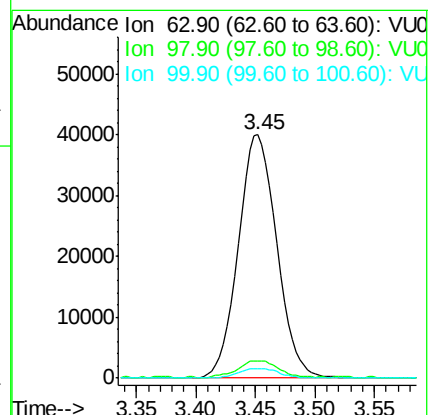
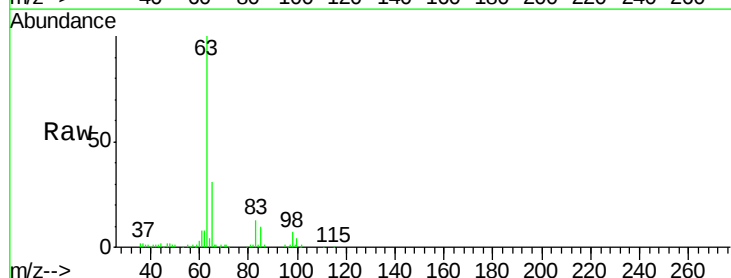
Tgt Ion: 63 Resp: 89678

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.0 1.8 5.5

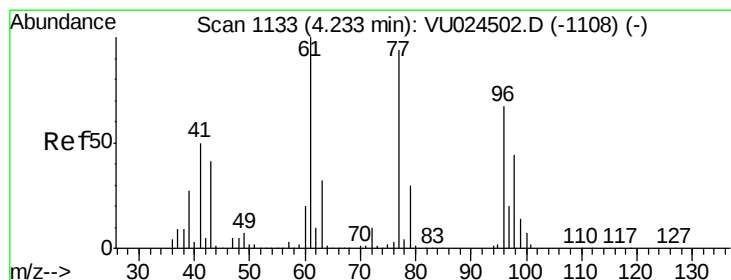
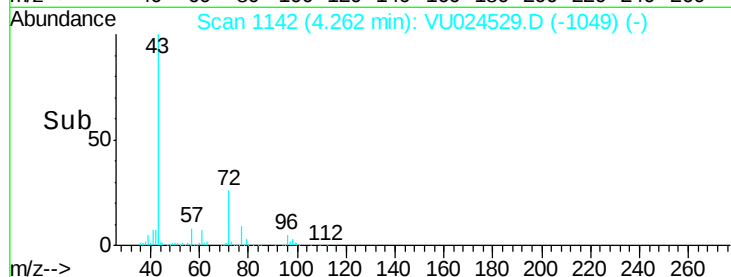
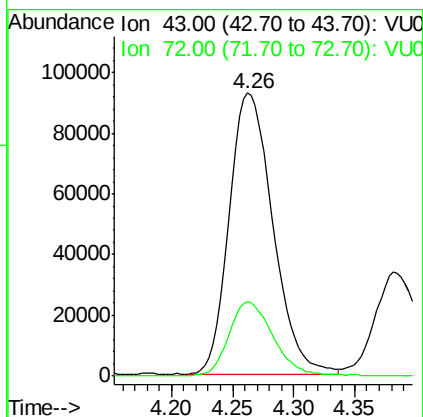
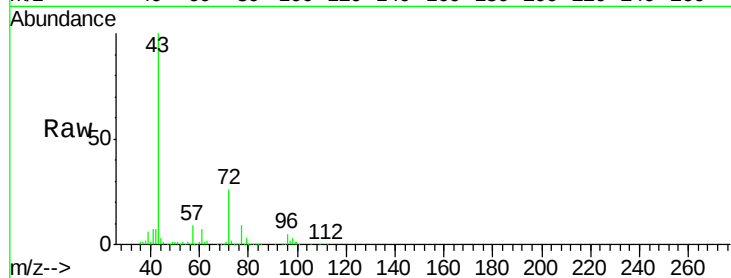




#25
2-Butanone
Concen: 102.046 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

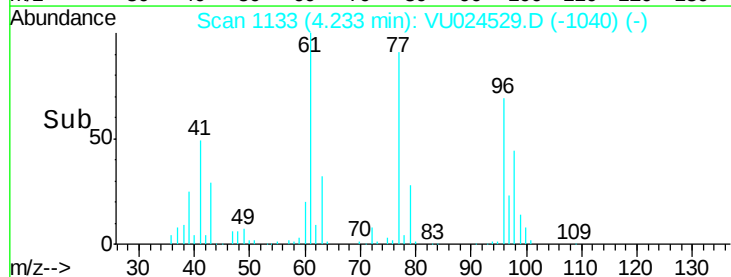
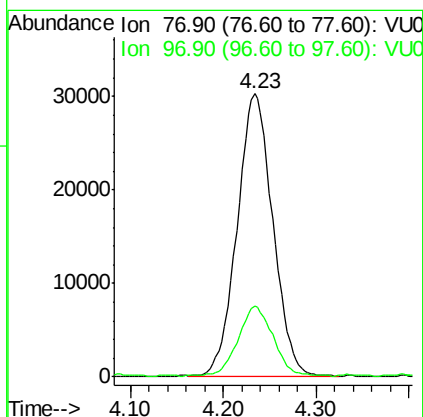
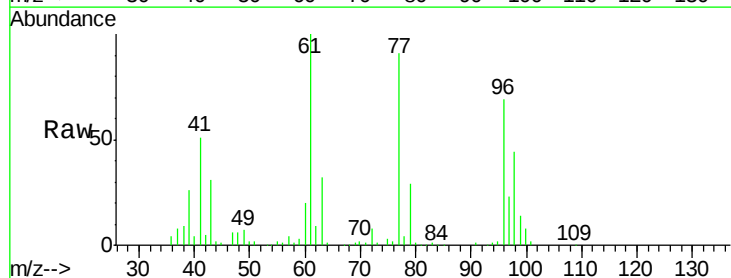
Instrument :
MSVOA_U
ClientSampleId :

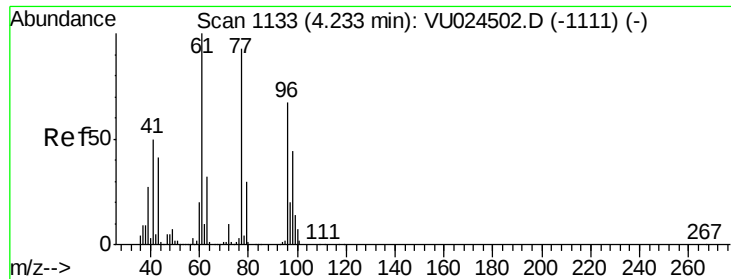
Tot Ion: 43 Resp: 230458
Ion Ratio Lower Upper
43 100
72 26.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 18.499 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 77 Resp: 81174
Ion Ratio Lower Upper
77 100
97 24.3 11.3 33.8

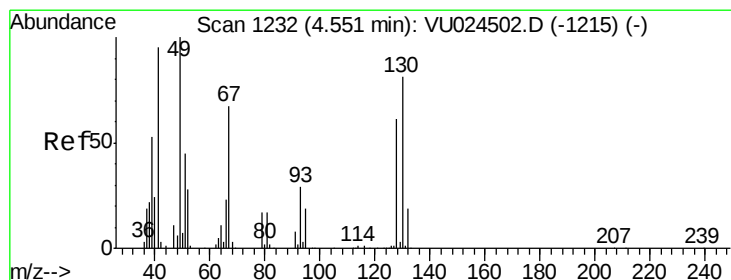
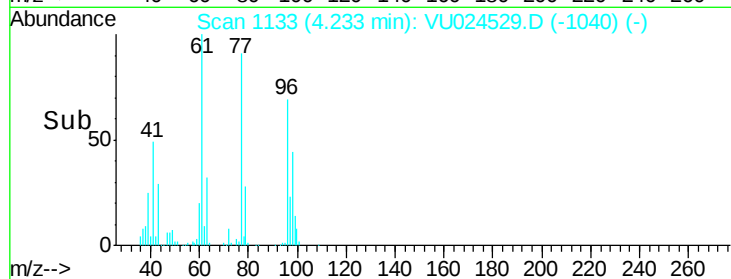
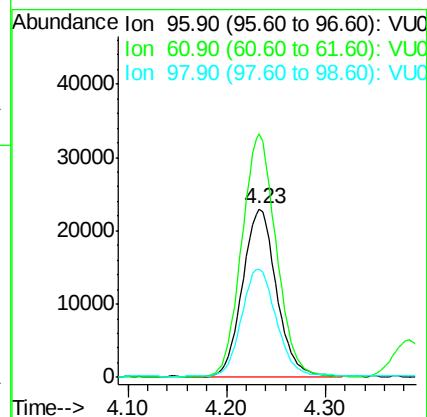
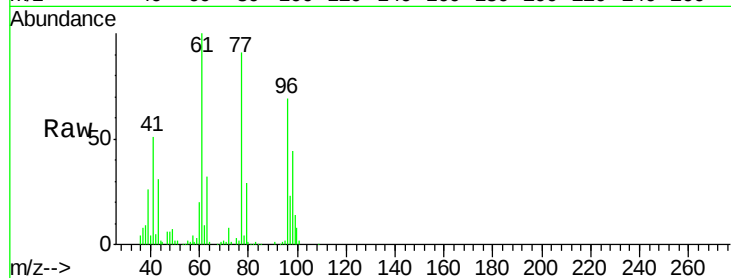




#27
 cis-1,2-Dichloroethene
 Concen: 20.045 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

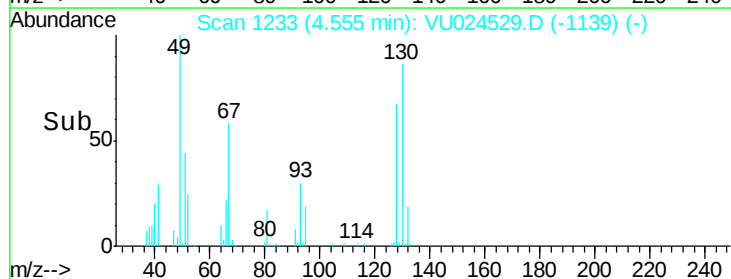
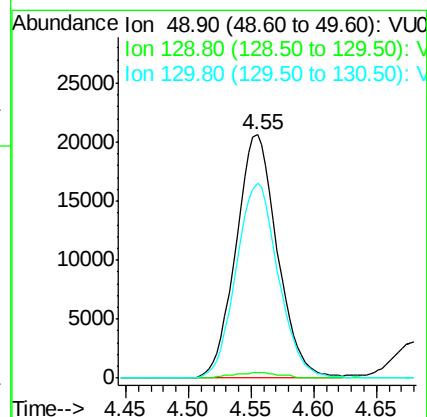
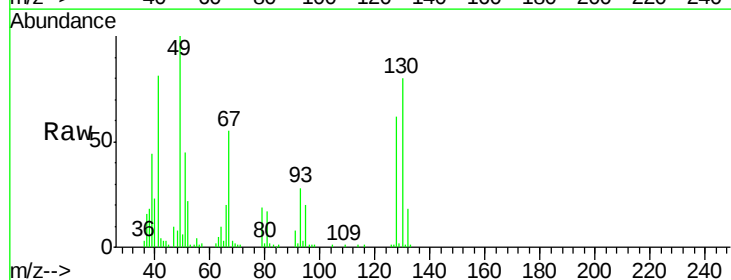
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 55396
 Ion Ratio Lower Upper
 96 100
 61 145.5 0.0 306.6
 98 63.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 23.303 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Tgt Ion: 49 Resp: 47433
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 3.8
 130 81.1 57.8 86.6





#29

Tetrahydrofuran

Concen: 101.852 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

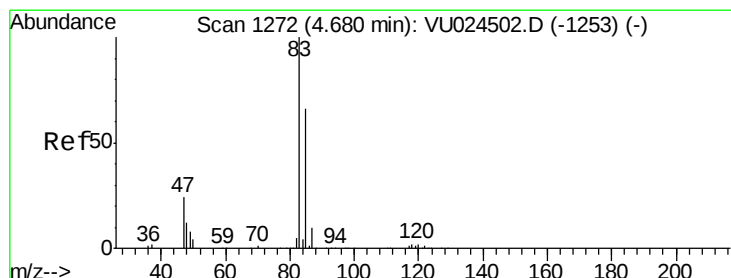
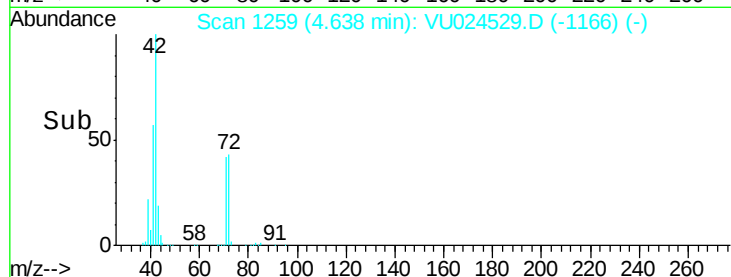
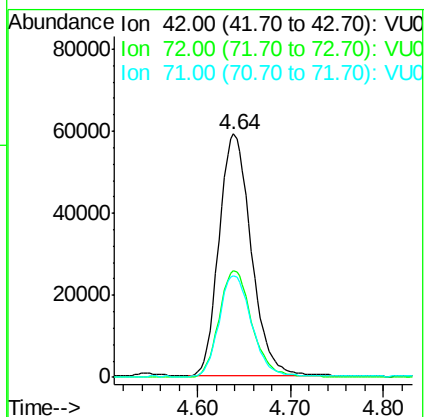
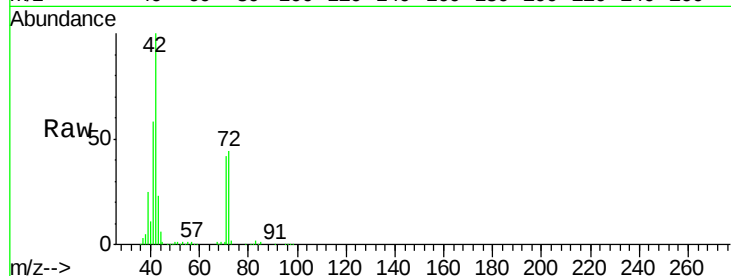
Tot Ion: 42 Resp: 142443

Ion Ratio Lower Upper

42 100

72 45.0 34.5 51.7

71 42.1 32.2 48.4



#30

Chloroform

Concen: 19.184 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024529.D

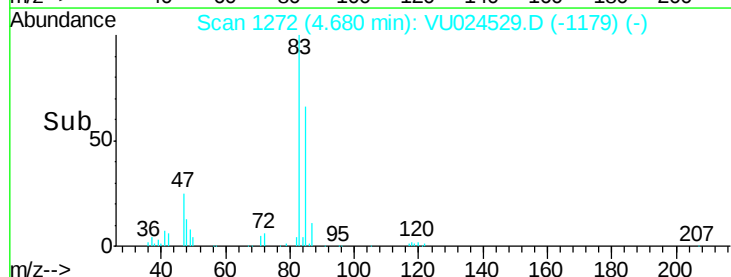
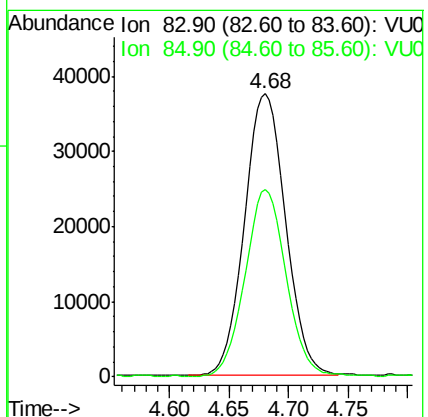
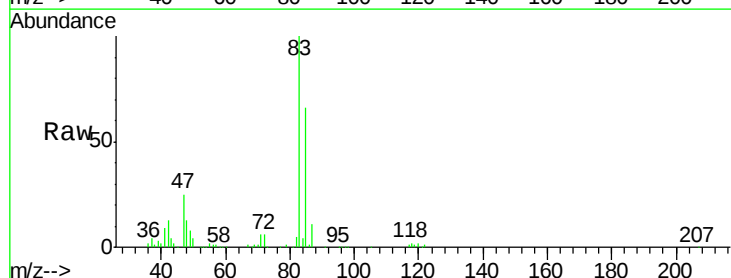
Acq: 14 Jun 2018 11:06

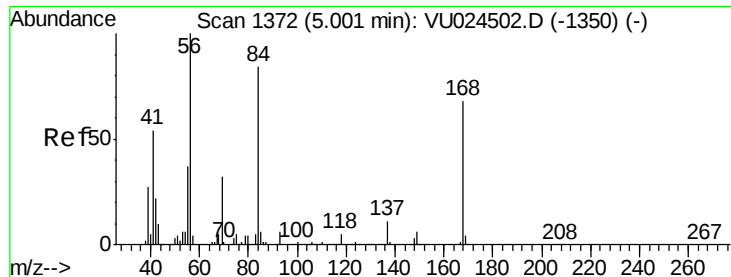
Tgt Ion: 83 Resp: 89731

Ion Ratio Lower Upper

83 100

85 66.5 52.4 78.6

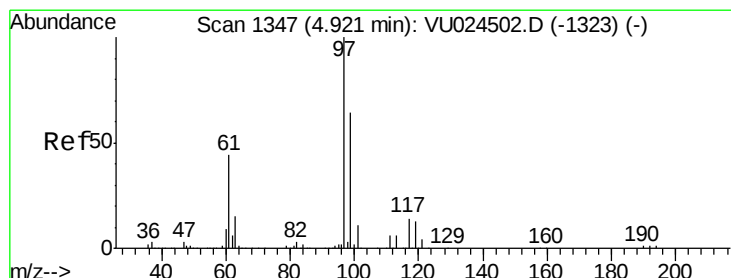
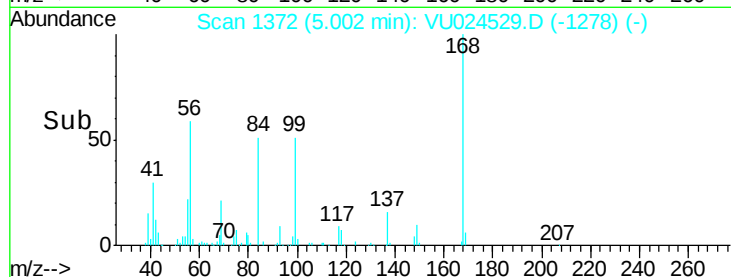
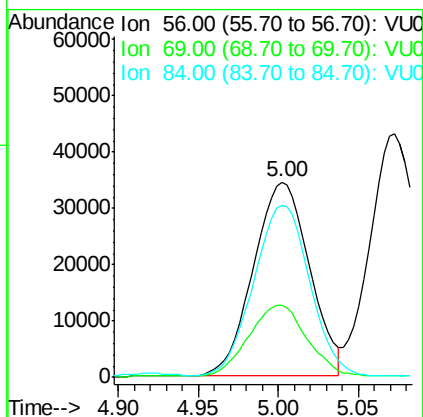
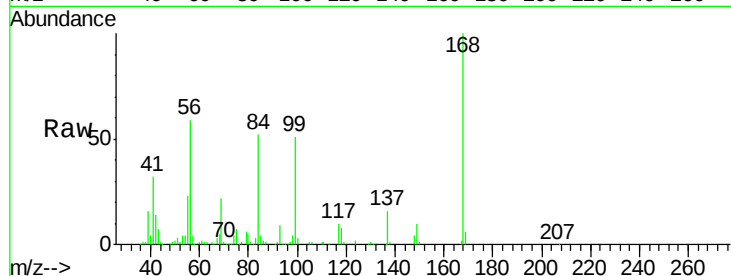




#31
Cyclohexane
Concen: 19.186 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

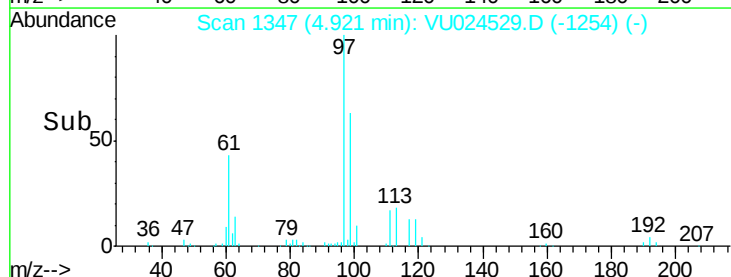
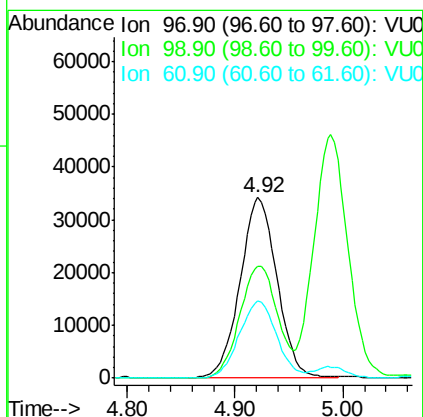
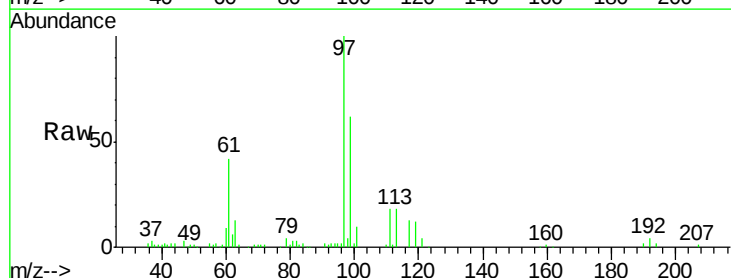
Instrument :
MSVOA_U
ClientSampled :

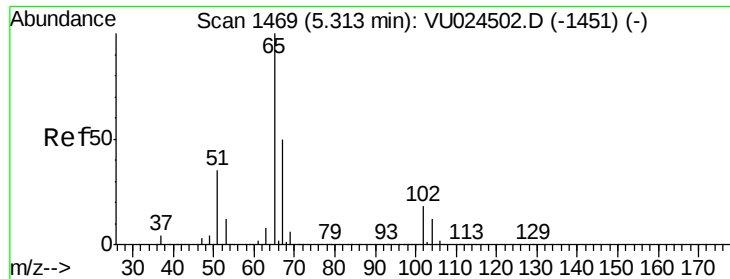
Tot Ion: 56 Resp: 83730
Ion Ratio Lower Upper
56 100
69 36.5 24.8 37.2
84 87.9 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 18.886 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 97 Resp: 81690
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 43.1 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 45.839 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

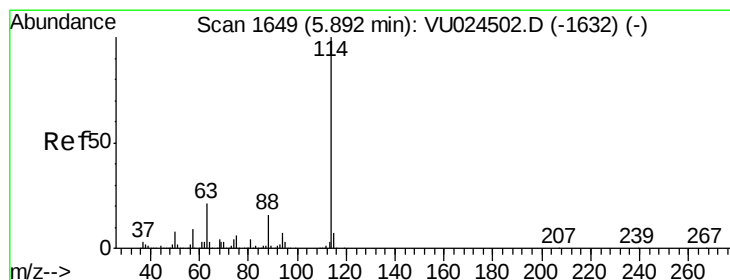
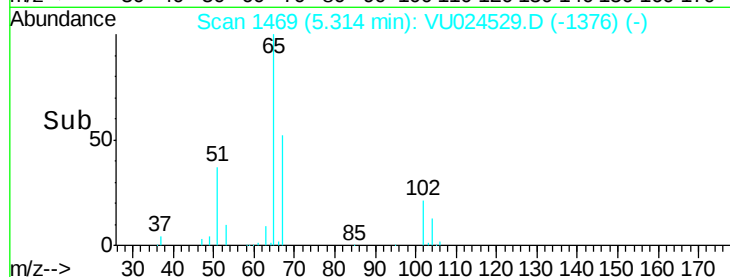
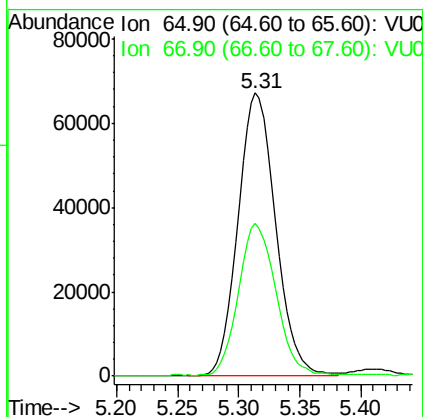
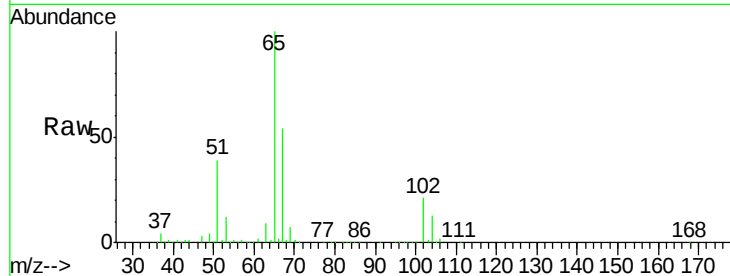
ClientSampleId :

Tot Ion: 65 Resp: 143437

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

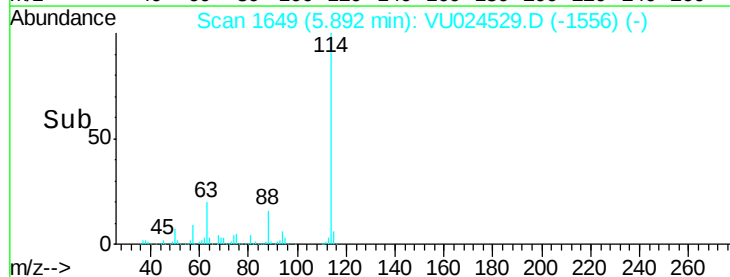
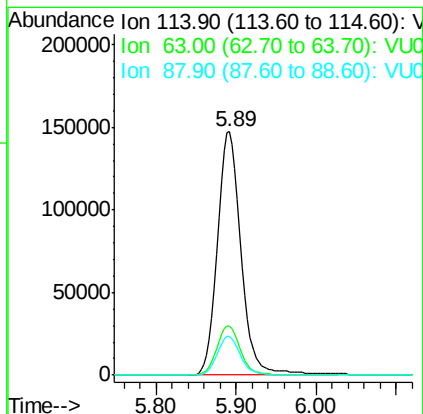
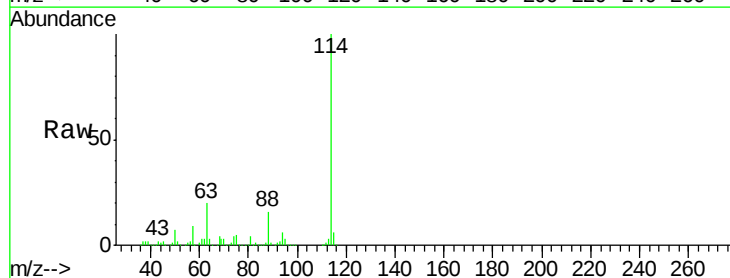
Tgt Ion: 114 Resp: 303198

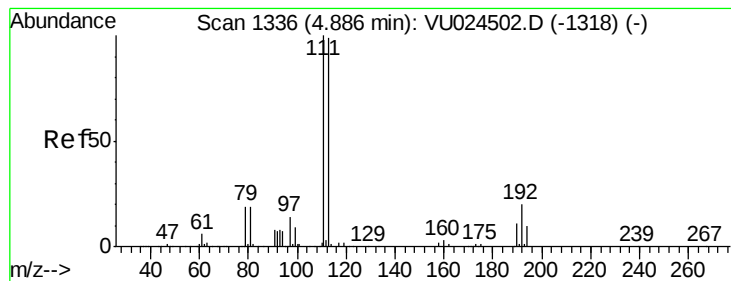
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.4

88 15.9 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.010 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

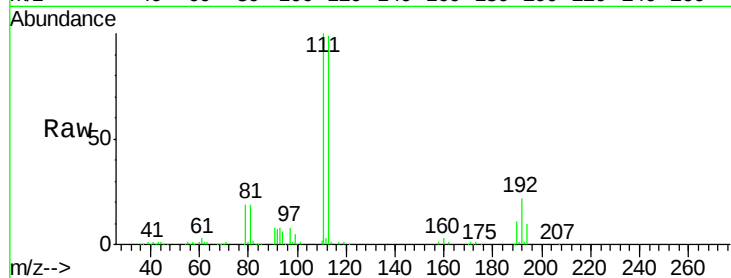
Tot Ion:113 Resp: 123324

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

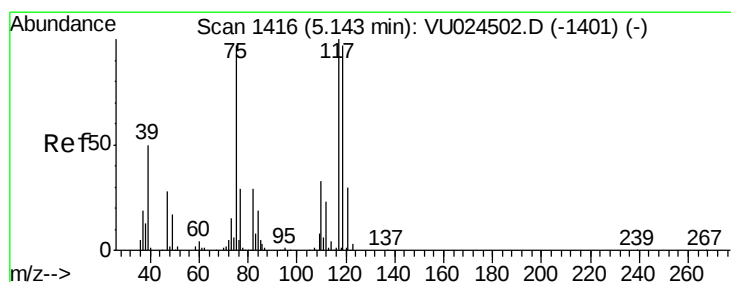
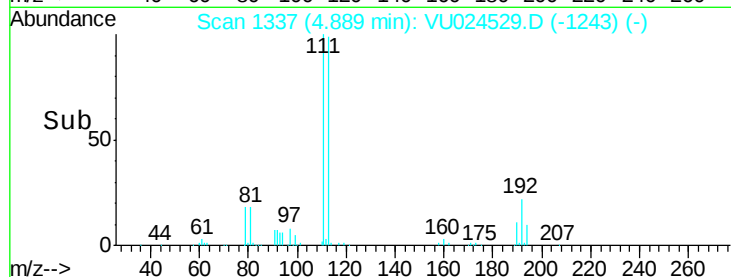
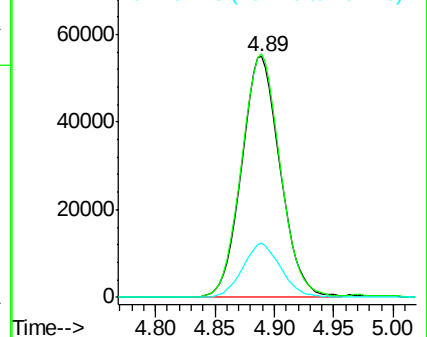
192 22.1 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.451 ug/l

RT: 5.14 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

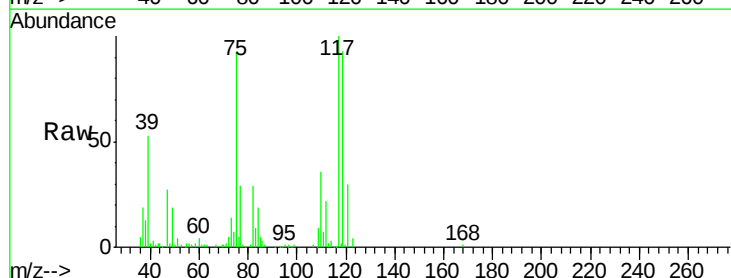
Tgt Ion: 75 Resp: 65738

Ion Ratio Lower Upper

75 100

110 37.0 17.0 50.9

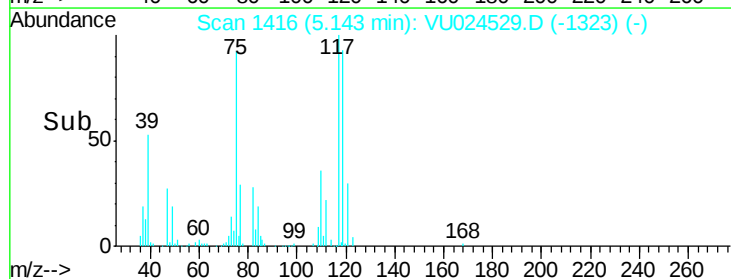
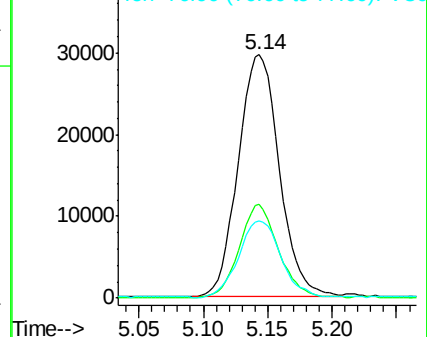
77 33.7 24.2 36.4

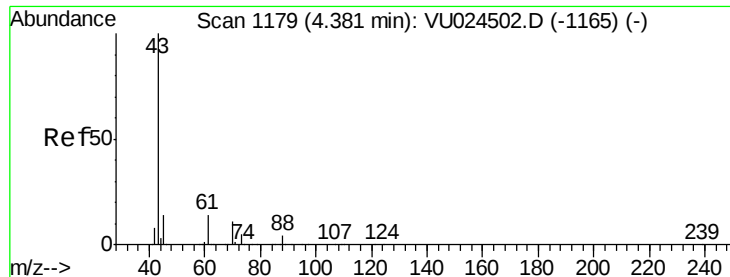


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

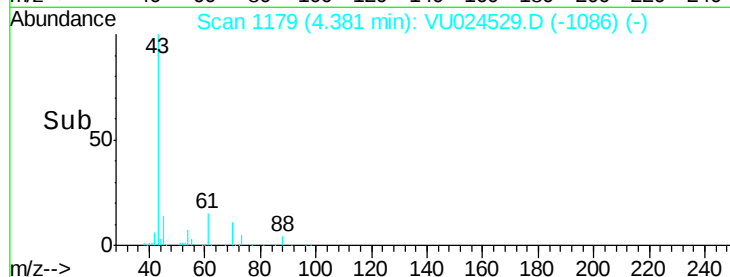
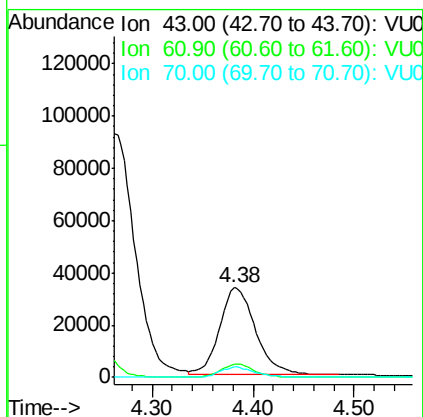
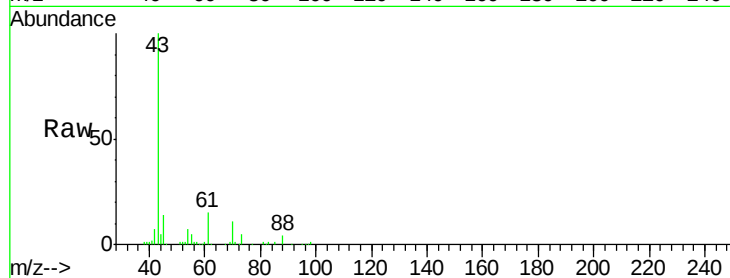




#37
Ethyl Acetate
Concen: 21.355 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

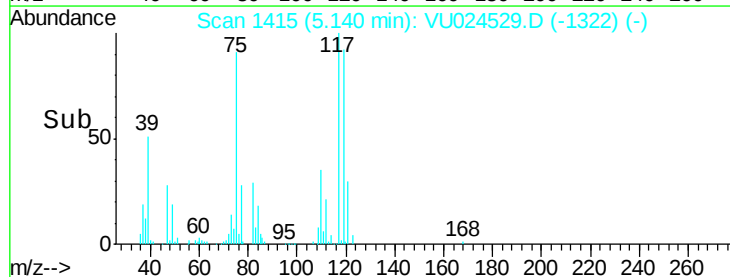
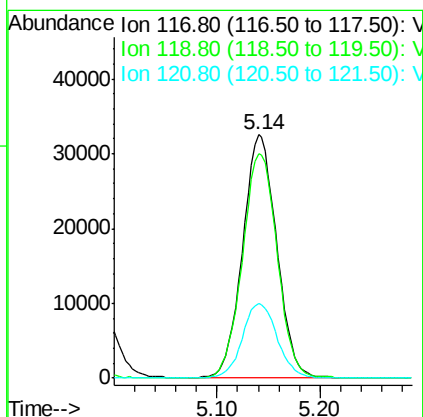
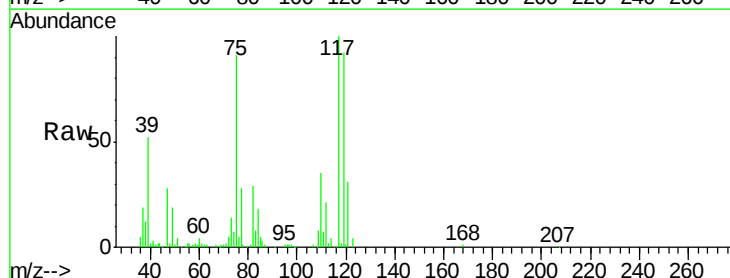
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	43	Resp	82925
Ion Ratio	Lower	Upper	
43	100		
61	14.7	10.5	15.7
70	10.3	7.4	11.2



#38
Carbon Tetrachloride
Concen: 19.062 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion	117	Resp	74682
Ion Ratio	Lower	Upper	
117	100		
119	92.1	76.1	114.1
121	30.6	23.7	35.5

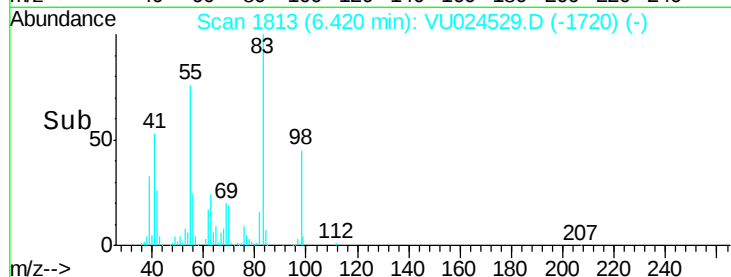
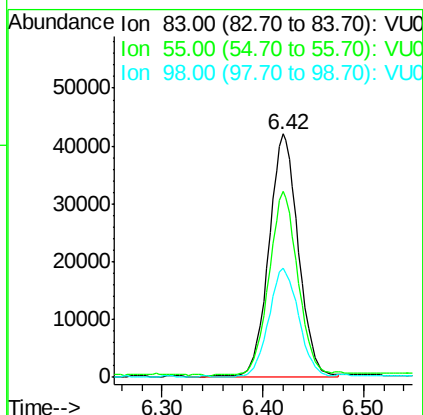
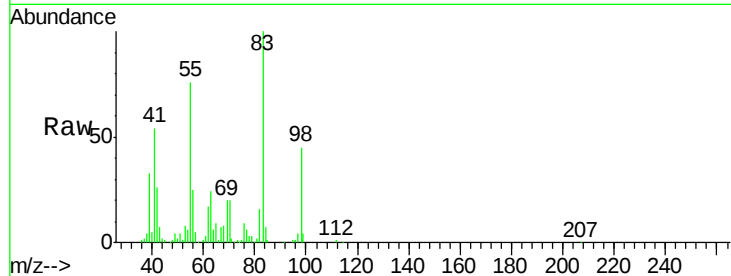




#39
Methvlcvclohexane
Concen: 19.017 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

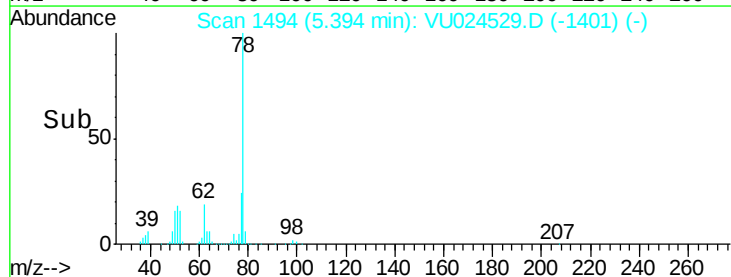
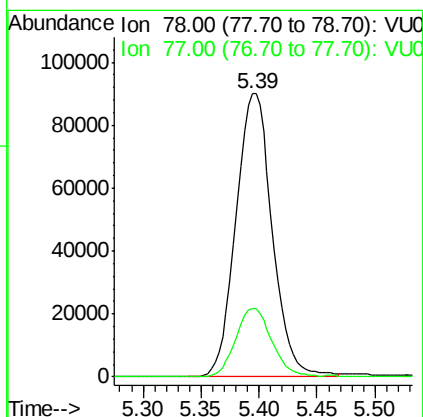
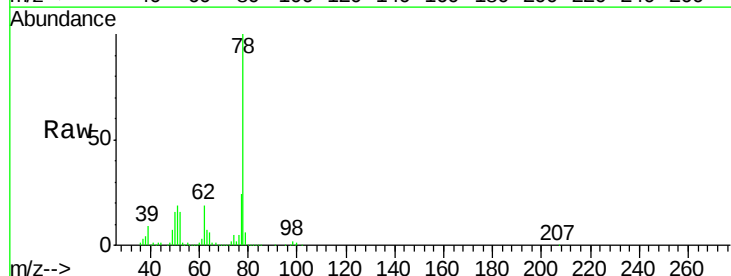
Instrument :
MSVOA_U
ClientSampled :

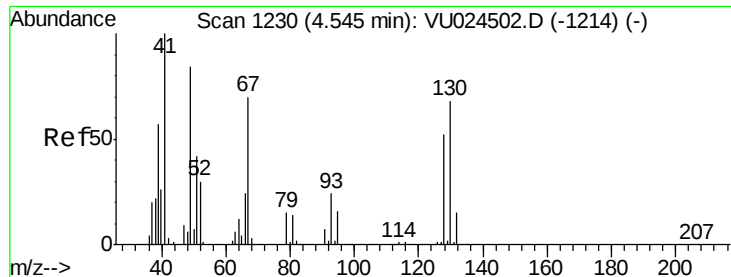
Tot Ion: 83 Resp: 84553
Ion Ratio Lower Upper
83 100
55 75.7 65.8 98.6
98 44.6 36.7 55.1



#40
Benzene
Concen: 19.344 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 78 Resp: 196381
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

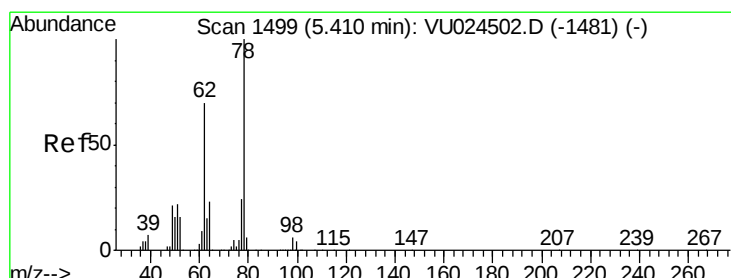
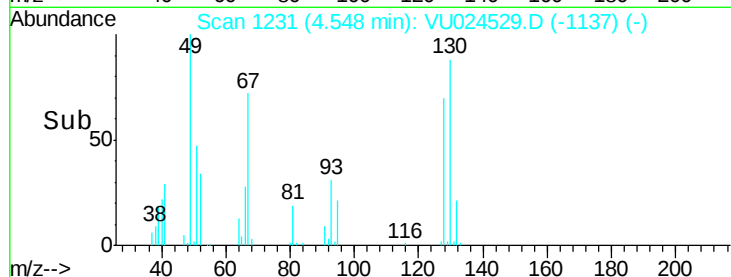
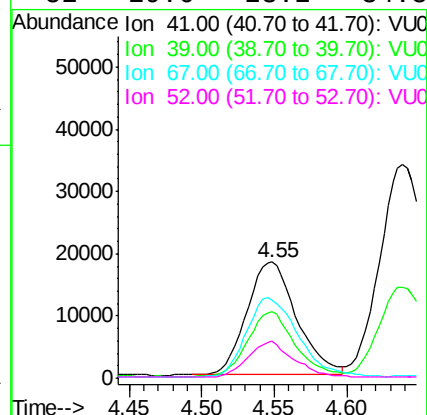
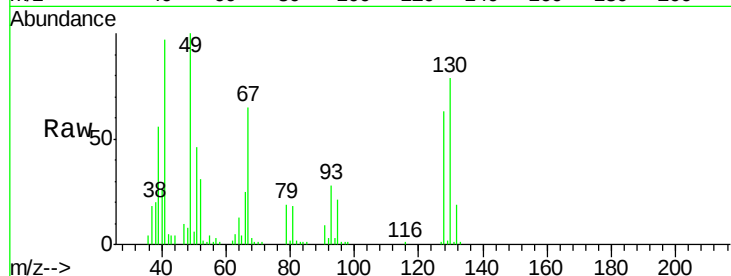




#41
Methacrylonitrile
Concen: 20.719 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

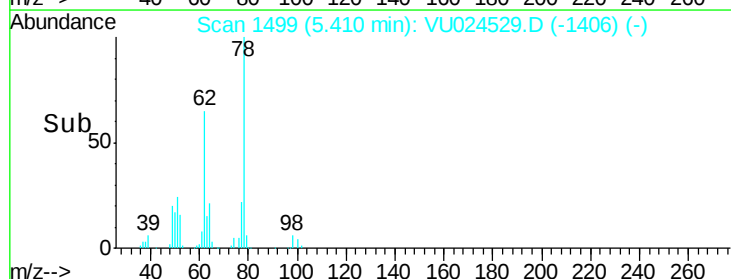
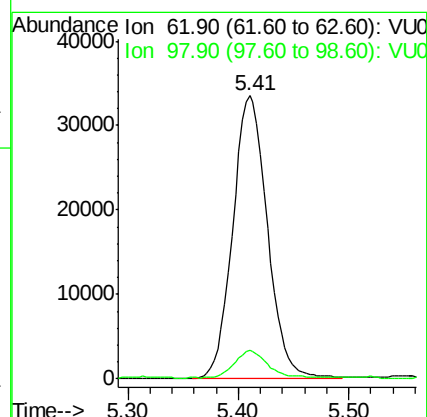
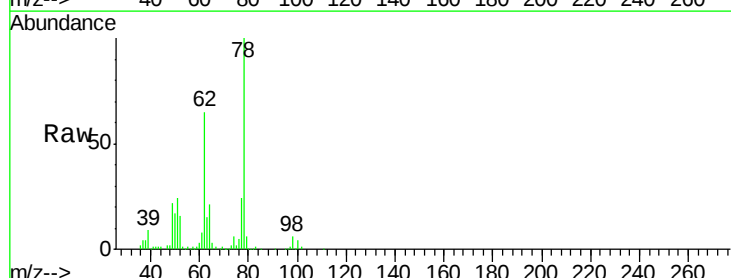
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	43379
Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.8	65.6
67	73.1	56.3	84.5
52	29.6	23.2	34.8



#42
1,2-Dichloroethane
Concen: 18.925 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion:	62	Resp:	73175
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.6

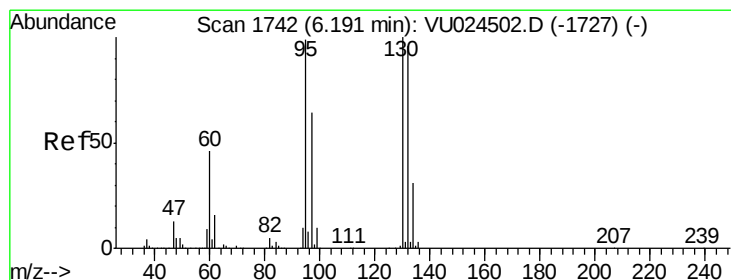
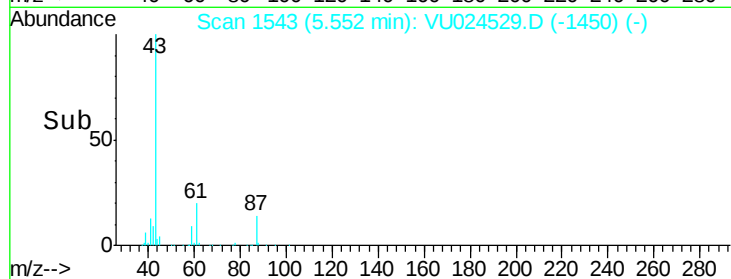
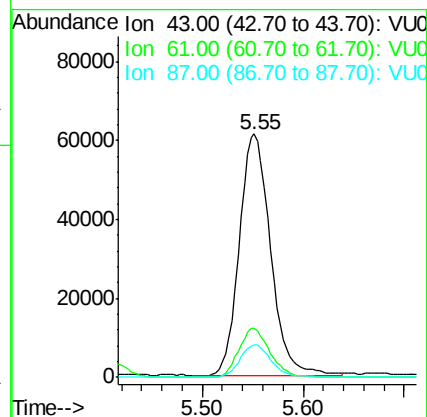
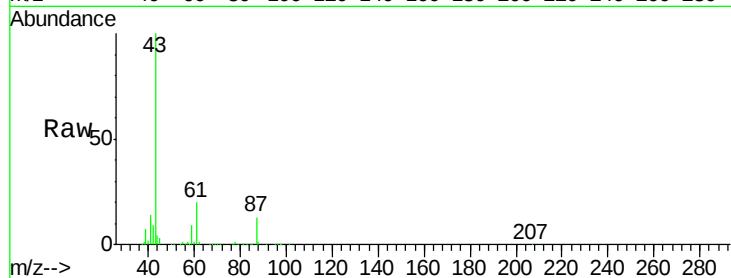




#43
Isopropyl Acetate
Concen: 19.559 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

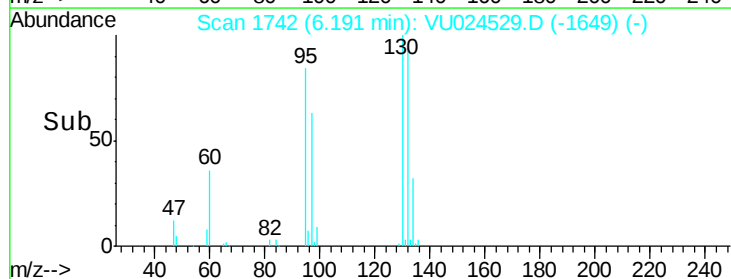
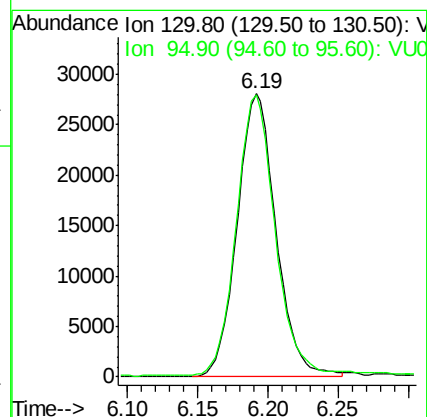
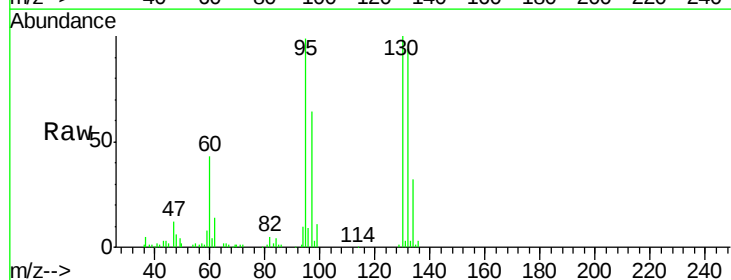
Instrument :
MSVOA_U
ClientSampleId :

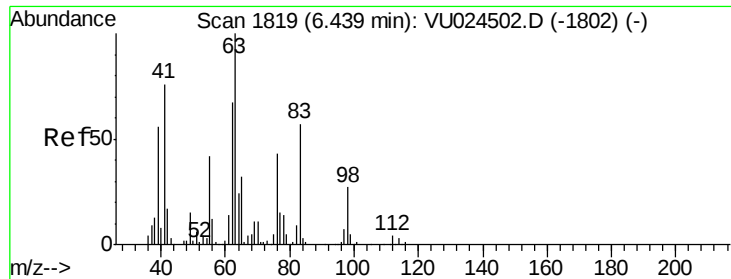
Tot Ion: 43 Resp: 131285
Ion Ratio Lower Upper
43 100
61 20.4 15.4 23.0
87 13.5 10.0 15.0



#44
Trichloroethene
Concen: 18.784 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion:130 Resp: 54272
Ion Ratio Lower Upper
130 100
95 98.8 0.0 202.4

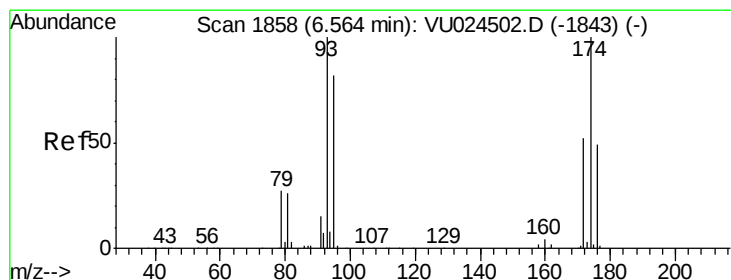
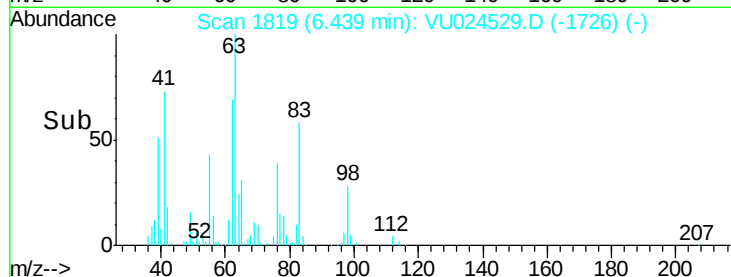
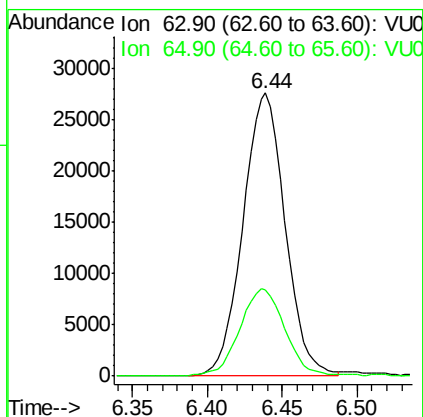
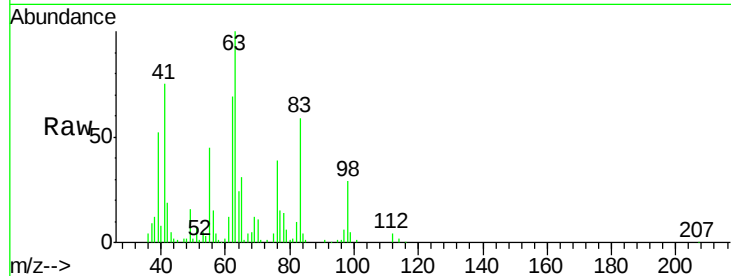




#45
1,2-Dichloropropane
Concen: 19.968 ug/l
RT: 6.44 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

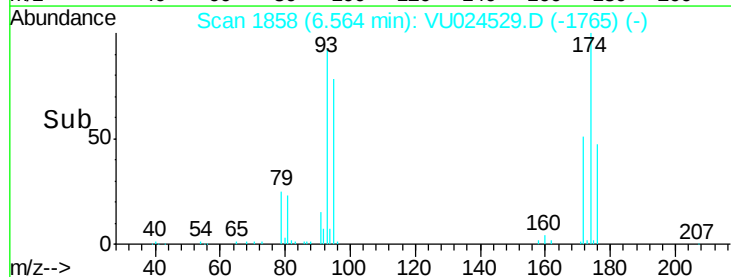
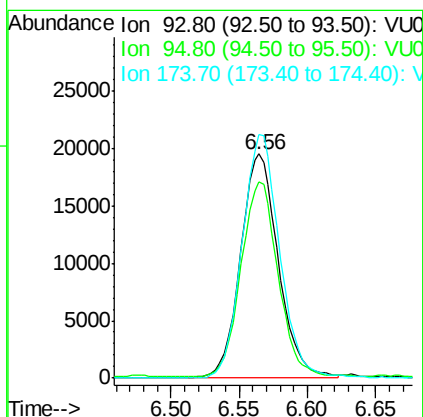
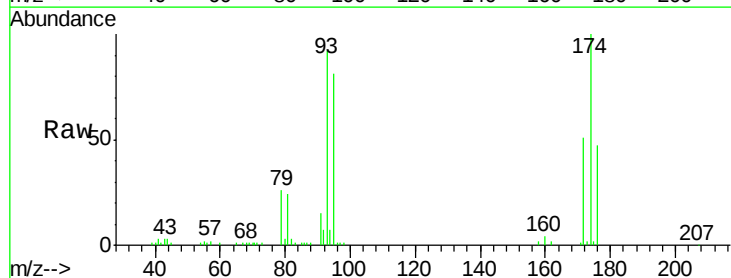
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 54090
Ion Ratio Lower Upper
63 100
65 30.7 24.8 37.2



#46
Dibromomethane
Concen: 19.797 ug/l
RT: 6.56 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 93 Resp: 37668
Ion Ratio Lower Upper
93 100
95 84.6 65.5 98.3
174 107.6 78.7 118.1





#47

Bromodichloromethane

Concen: 19.318 ug/l

RT: 6.76 min Scan# 1919

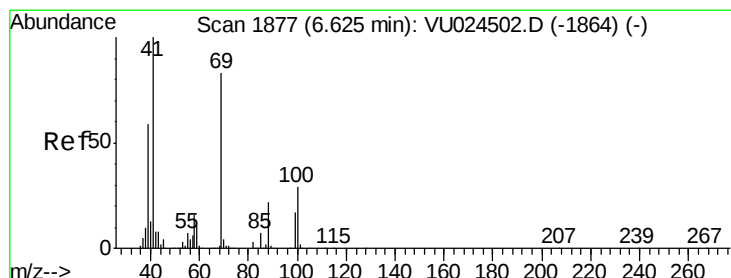
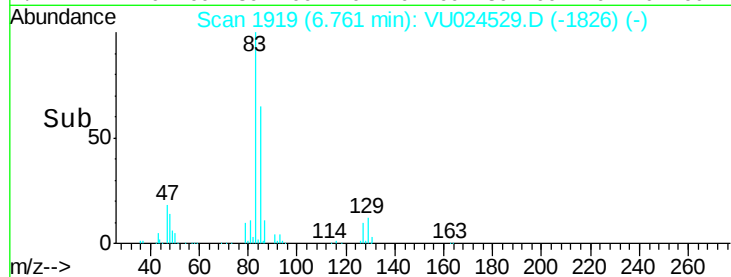
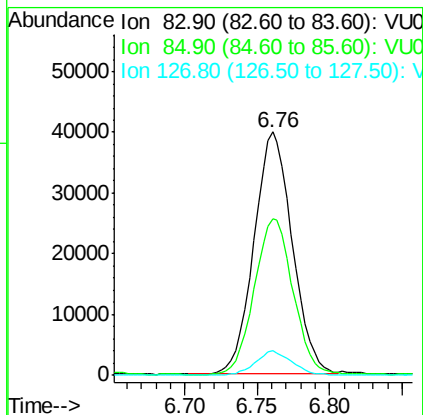
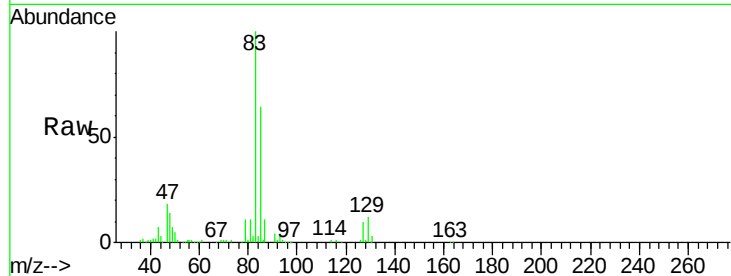
Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	83	Resp:	73193
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9
127	10.1	6.6	9.8#



#48

Methyl methacrylate

Concen: 19.910 ug/l

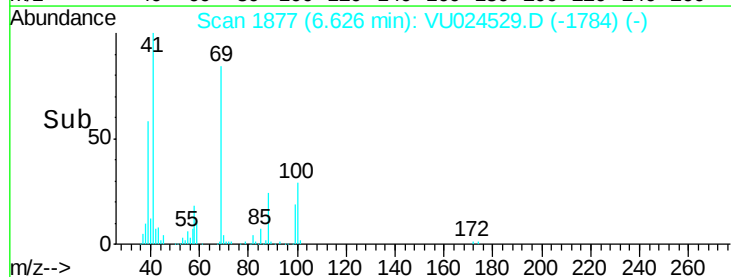
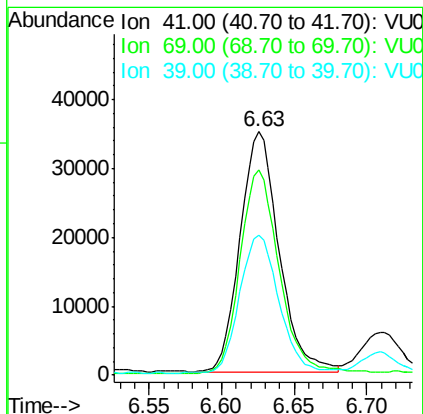
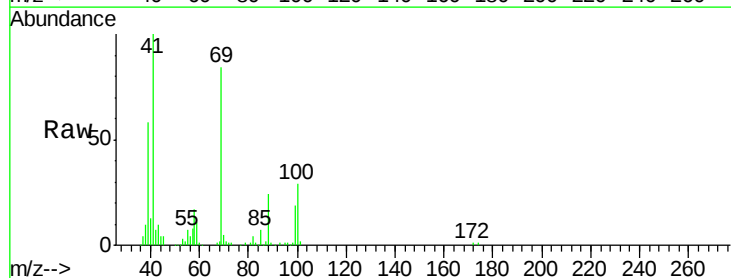
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Tgt Ion:	41	Resp:	65075
Ion	Ratio	Lower	Upper
41	100		
69	85.4	67.3	100.9
39	58.1	46.5	69.7





#49

1,4-Dioxane

Concen: 376.959 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

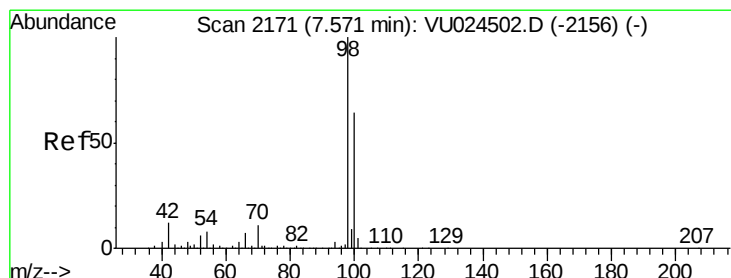
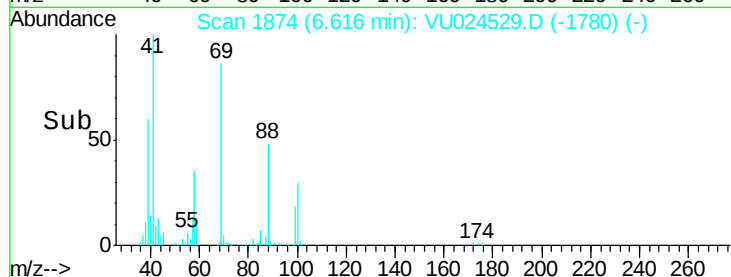
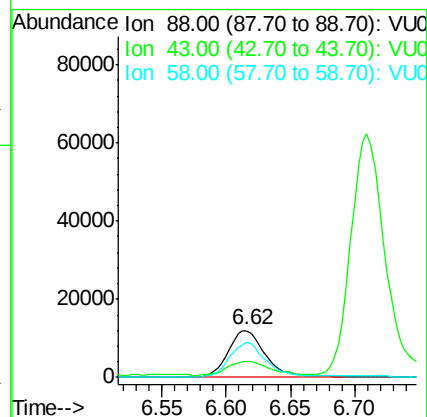
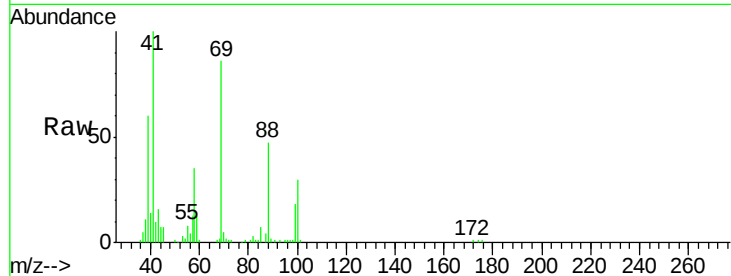
Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 24095

Ion	Ratio	Lower	Upper
88	100		
43	31.7	28.6	42.8
58	73.3	58.2	87.4



#50

Toluene-d8

Concen: 48.171 ug/l

RT: 7.57 min Scan# 2170

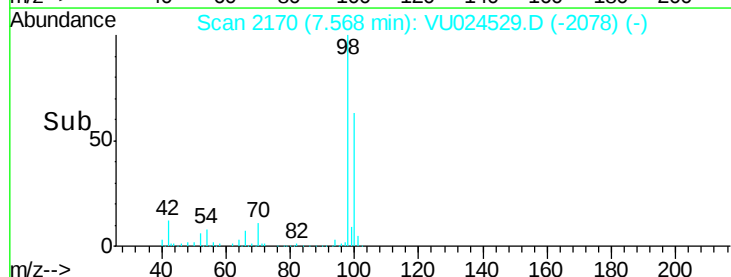
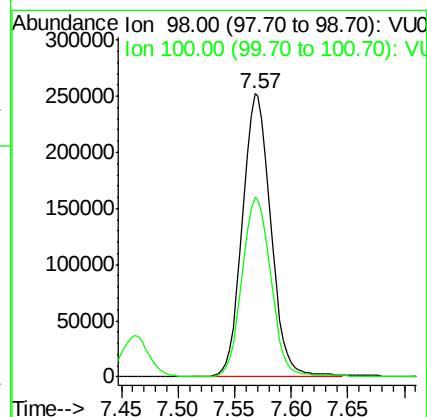
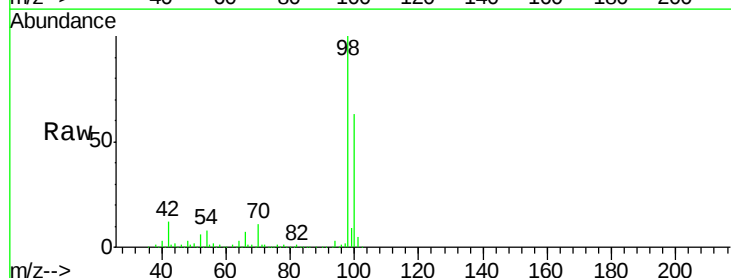
Delta R.T. -0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Tgt Ion: 98 Resp: 442141

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7

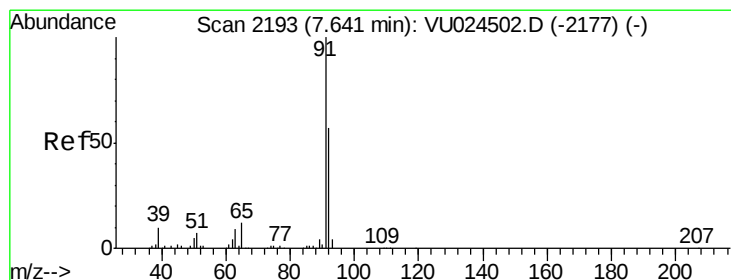
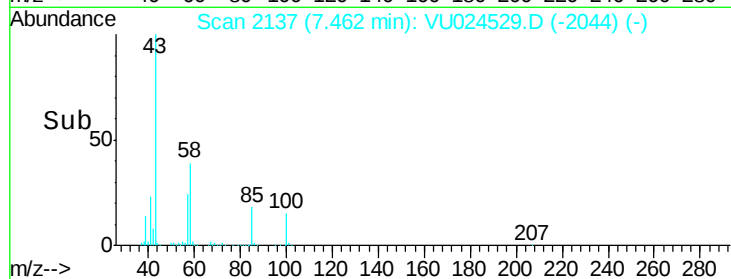
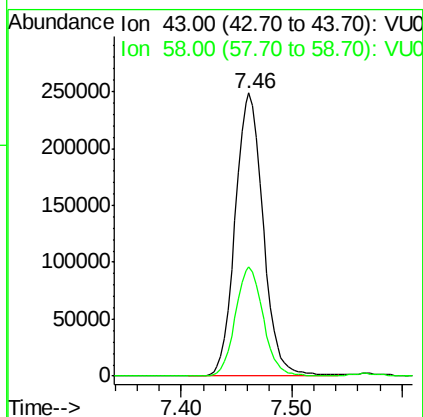
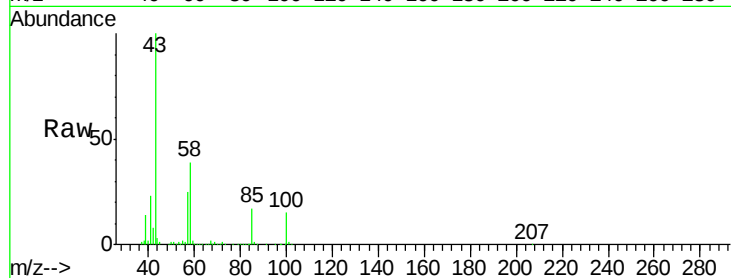




#51
4-Methyl-2-Pentanone
Concen: 102.889 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

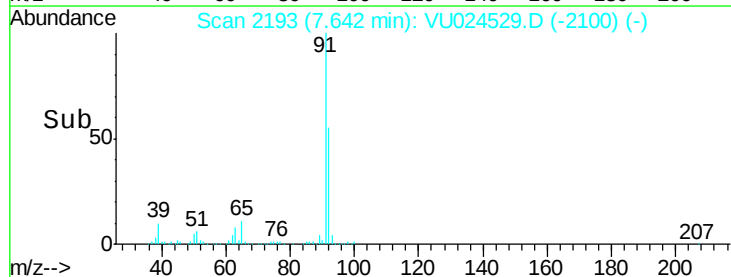
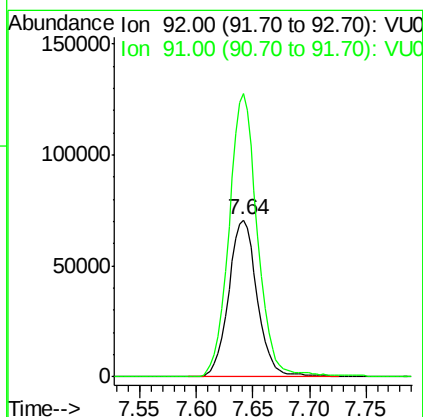
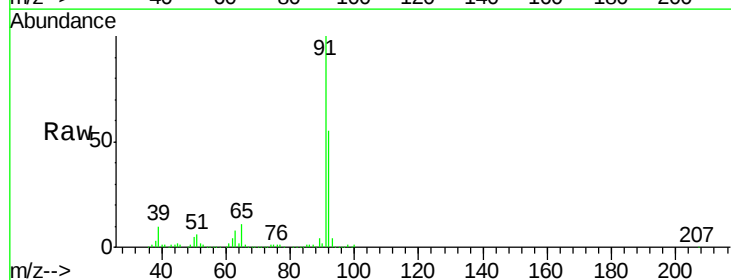
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 433882
Ion Ratio Lower Upper
43 100
58 38.7 30.0 45.0



#52
Toluene
Concen: 19.072 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 92 Resp: 124570
Ion Ratio Lower Upper
92 100
91 179.3 140.5 210.7

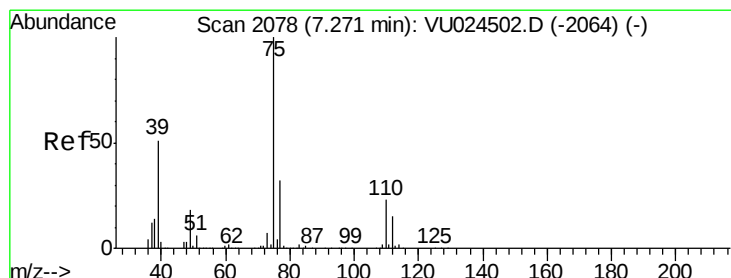
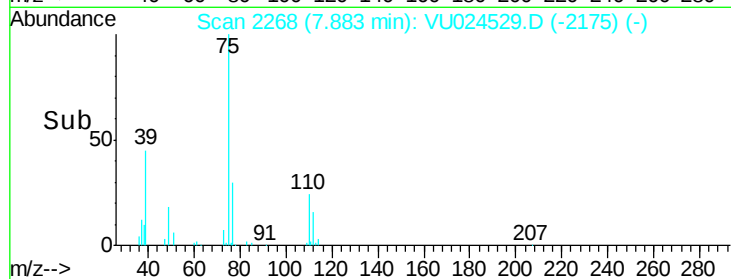
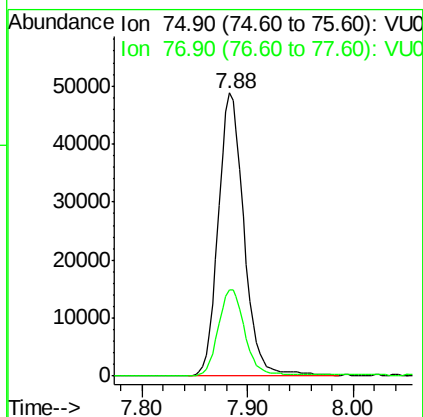
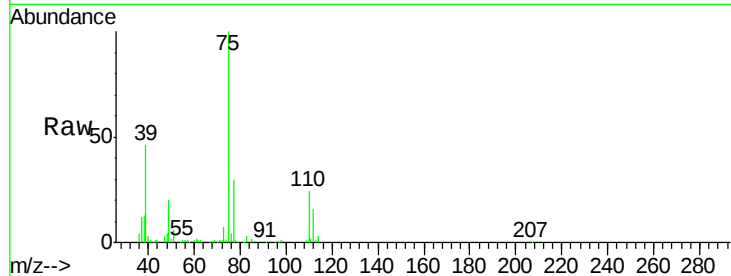




#53
t-1,3-Dichloropropene
Concen: 19.389 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

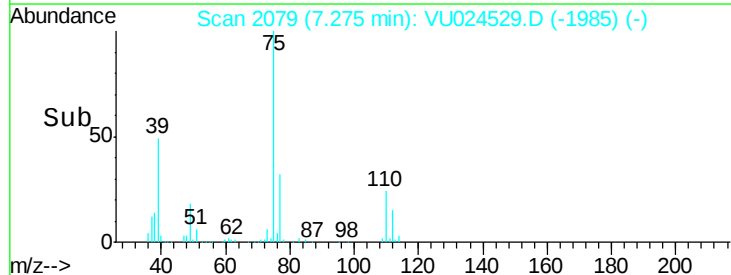
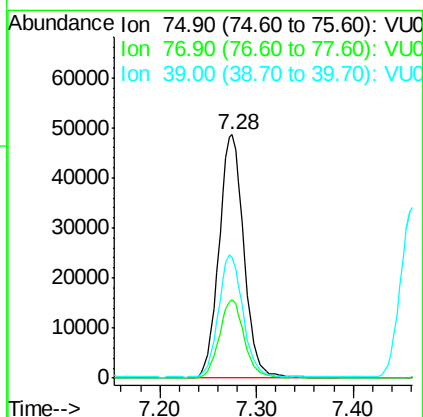
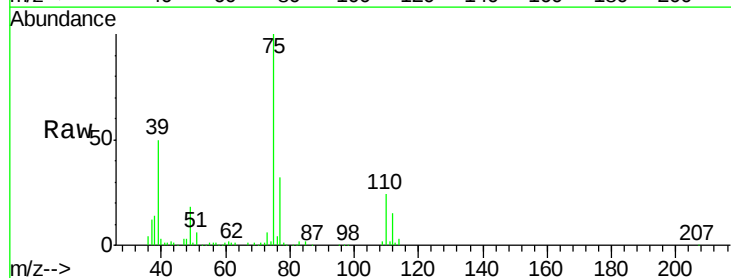
Instrument :
MSVOA_U
ClientSampled :

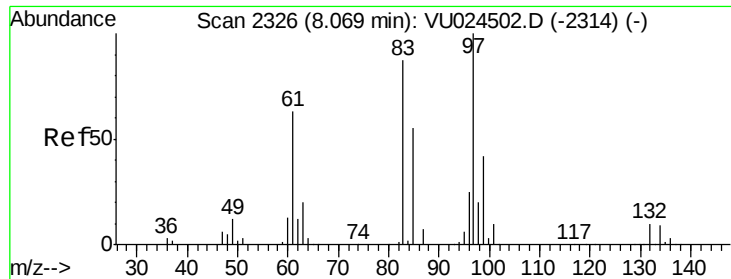
Tot Ion: 75 Resp: 82499
Ion Ratio Lower Upper
75 100
77 30.1 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 19.177 ug/l
RT: 7.28 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 75 Resp: 86943
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 49.1 39.8 59.6

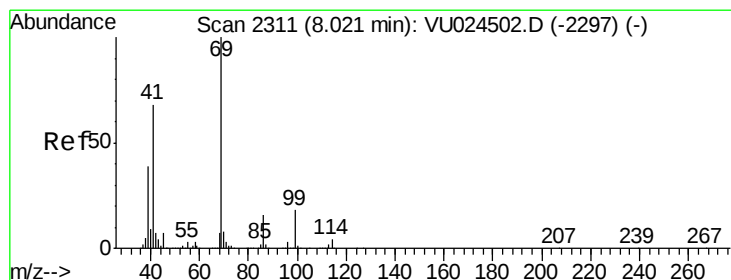
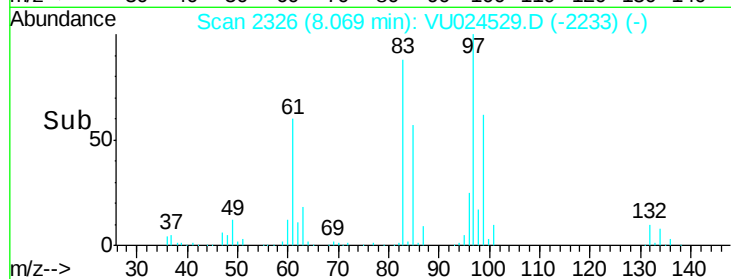
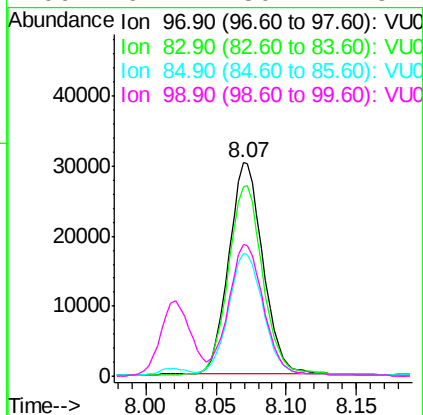
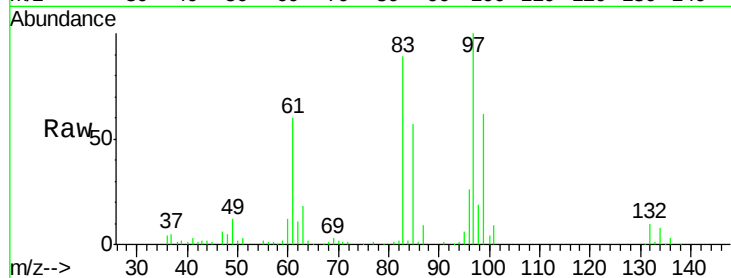




#55
 1,1,2-Trichloroethane
 Concen: 19.312 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

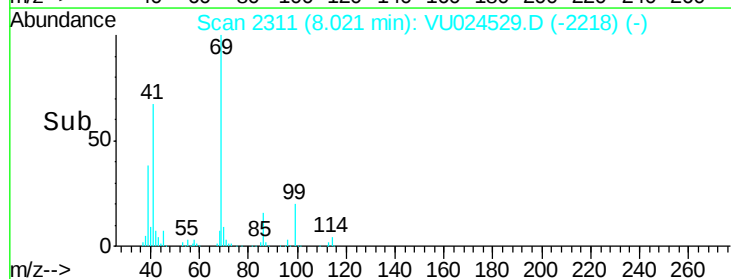
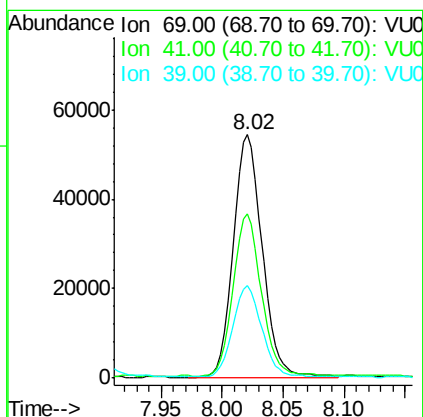
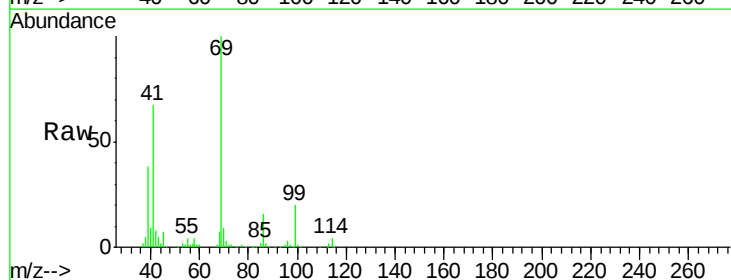
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	51274
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	57.3	46.4	69.6
99	61.4	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.046 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Tgt Ion:	69	Resp:	89078
Ion	Ratio	Lower	Upper
69	100		
41	64.9	54.1	81.1
39	37.4	30.3	45.5

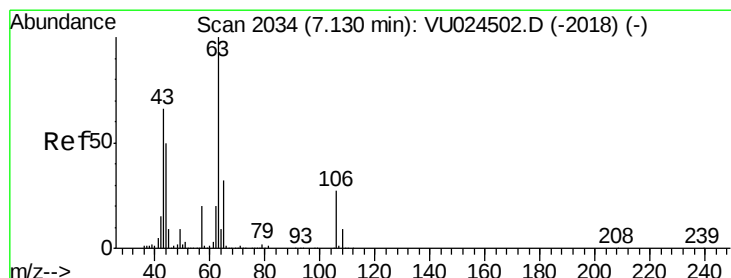
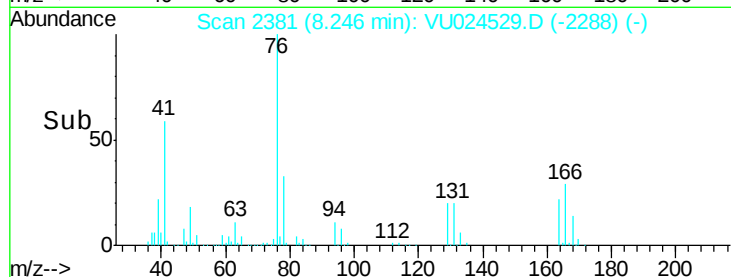
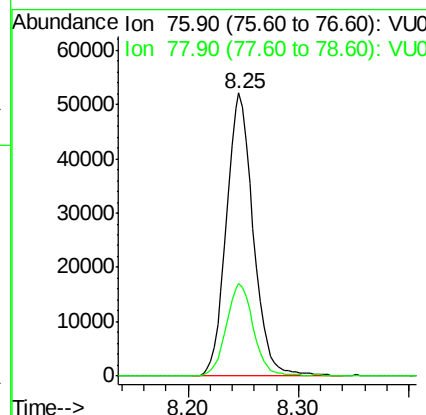
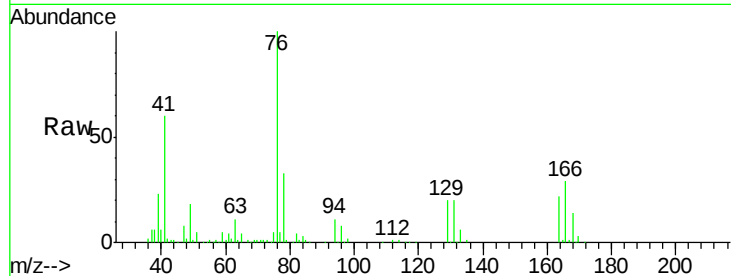




#57
 1,3-Dichloropropane
 Concen: 19.736 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

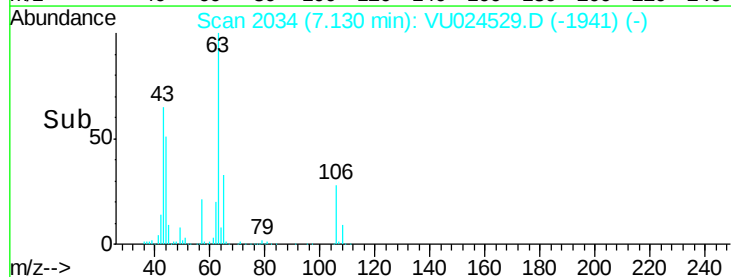
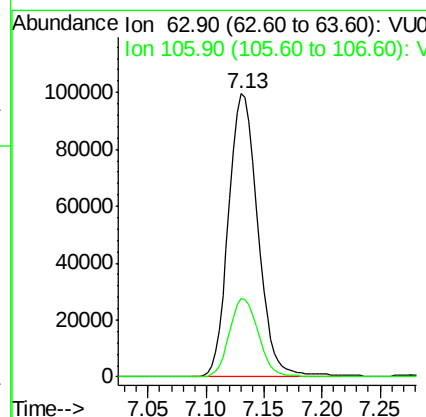
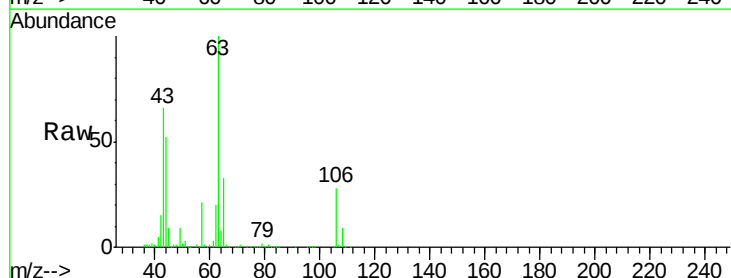
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 76 Resp: 88394
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.649 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Tgt Ion: 63 Resp: 174752
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.2 30.2

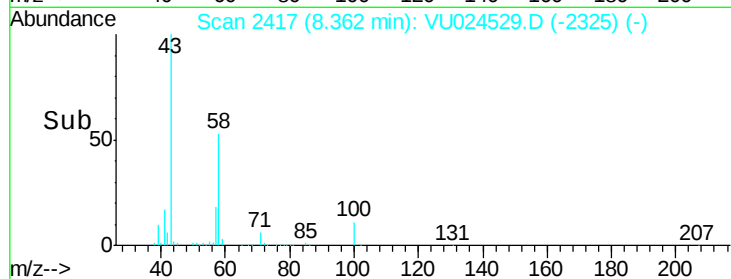
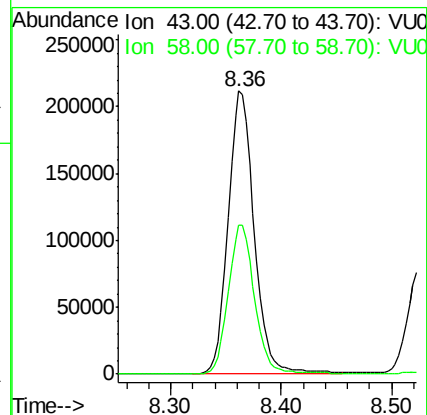
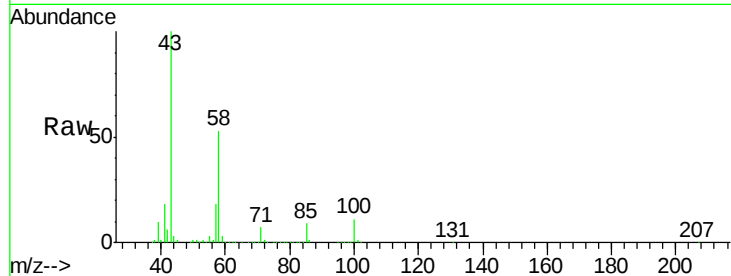




#59
2-Hexanone
Concen: 100.144 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

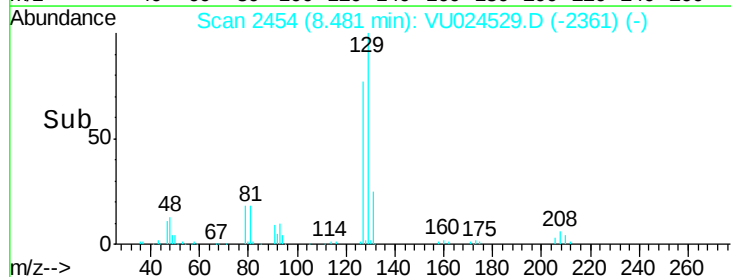
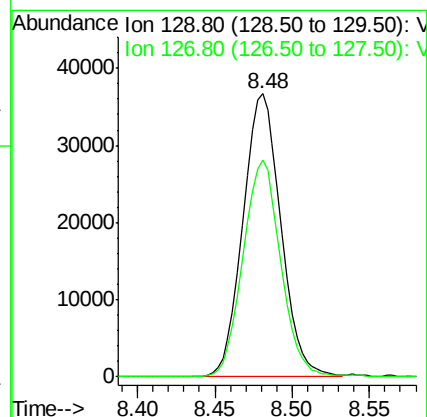
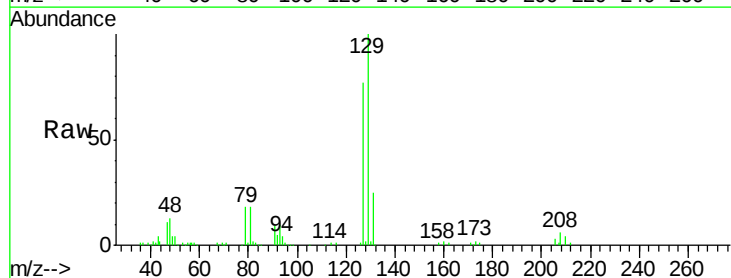
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 344774
Ion Ratio Lower Upper
43 100
58 53.8 26.4 79.0



#60
Dibromochloromethane
Concen: 18.920 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 129 Resp: 62640
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.487 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

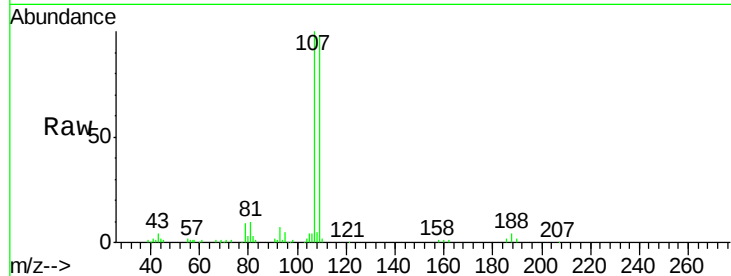
ClientSampleId :

Tot Ion:107 Resp: 57586

Ion Ratio Lower Upper

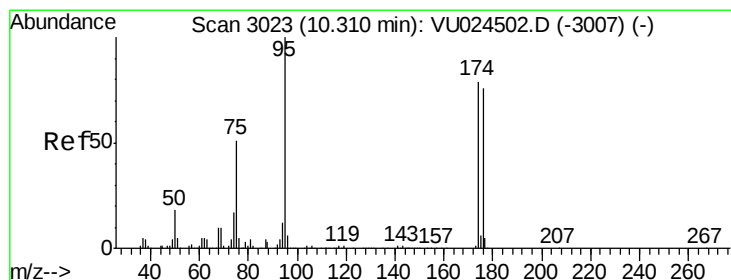
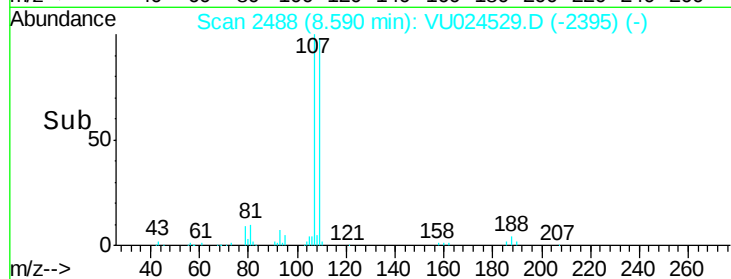
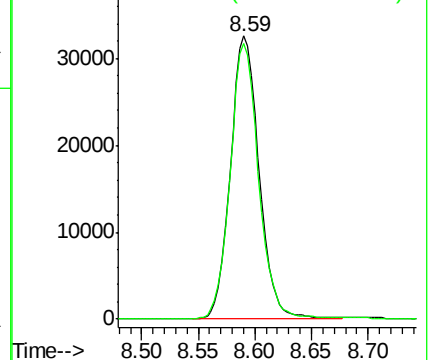
107 100

109 96.2 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.073 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

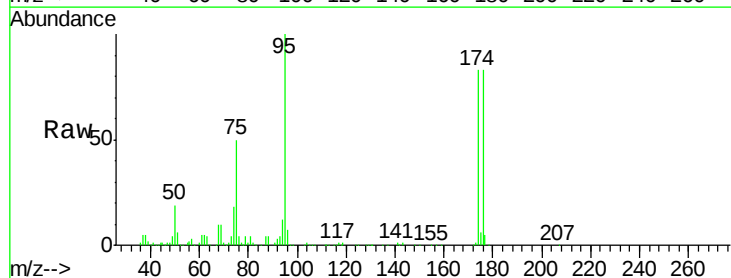
Tgt Ion: 95 Resp: 171544

Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.8

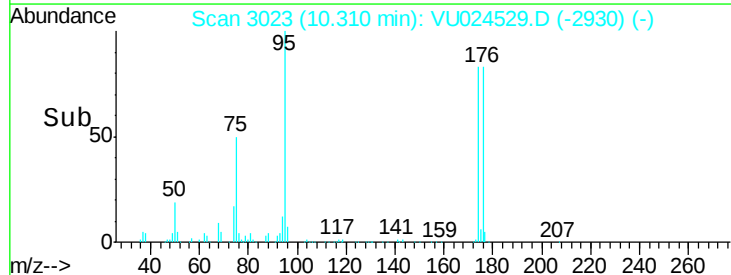
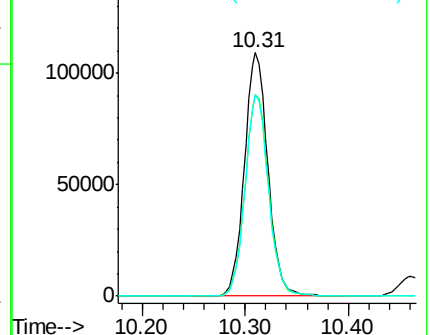
176 83.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

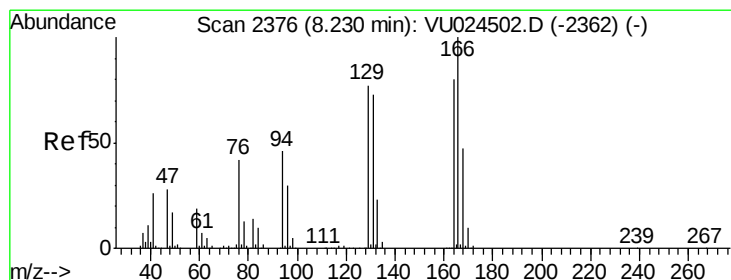
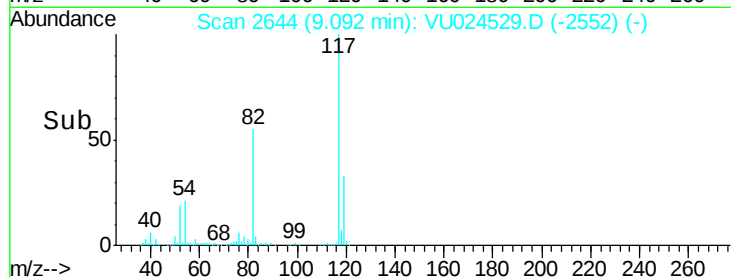
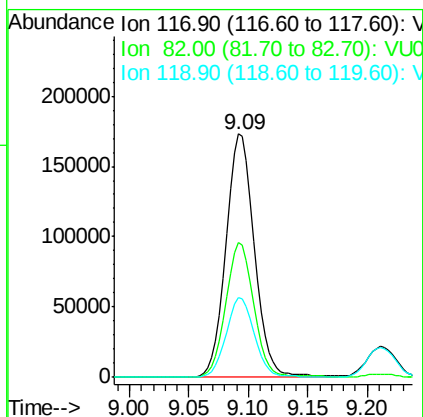
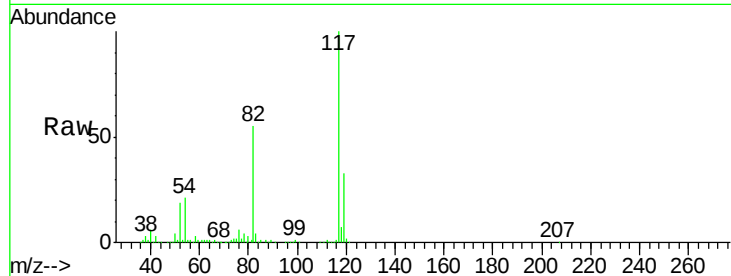




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

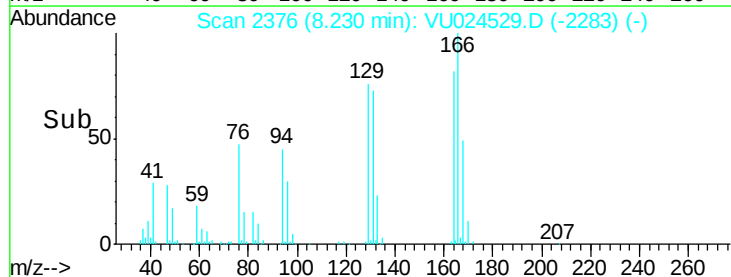
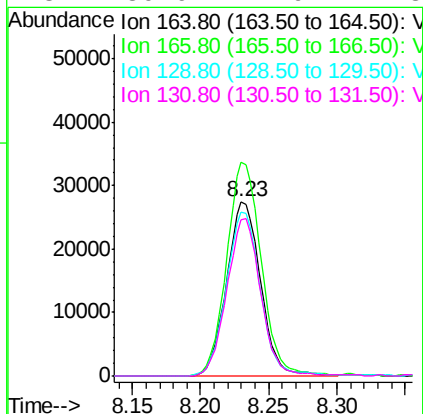
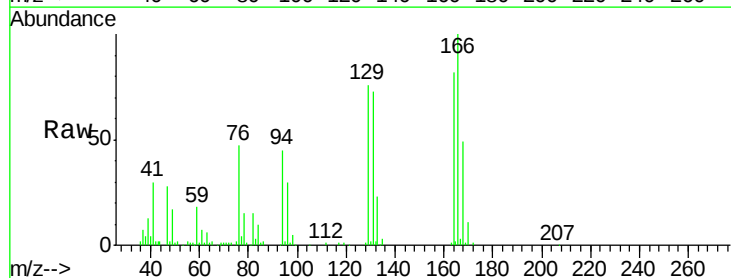
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 287692
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 17.360 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion:164 Resp: 47472
Ion Ratio Lower Upper
164 100
166 122.4 101.7 152.5
129 93.7 76.9 115.3
131 89.9 74.9 112.3





#65

Chlorobenzene

Concen: 19.472 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

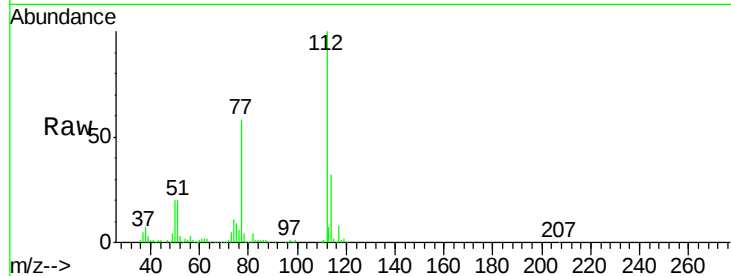
ClientSampleId :

Tot Ion:112 Resp: 143107

Ion Ratio Lower Upper

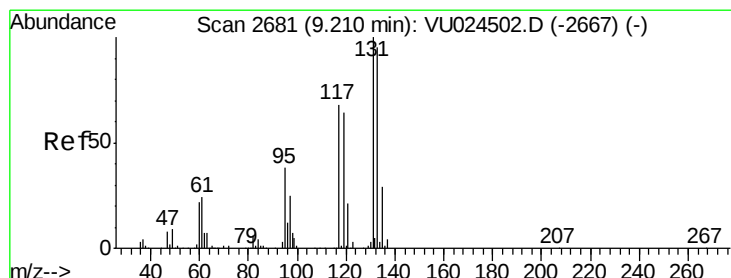
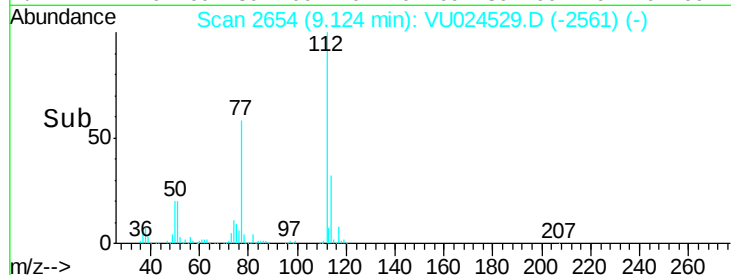
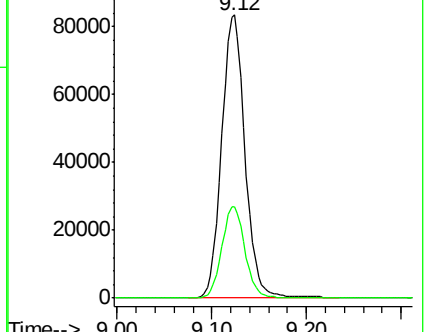
112 100

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: 19.884 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

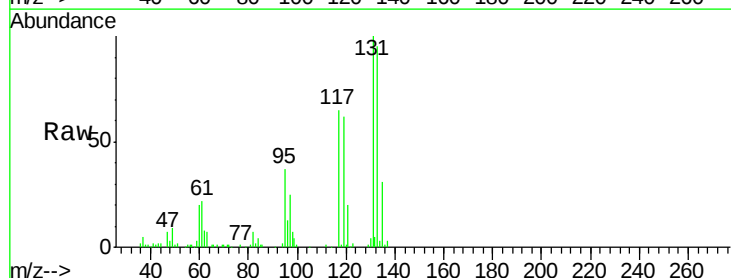
Tgt Ion:131 Resp: 55521

Ion Ratio Lower Upper

131 100

133 94.4 46.9 140.8

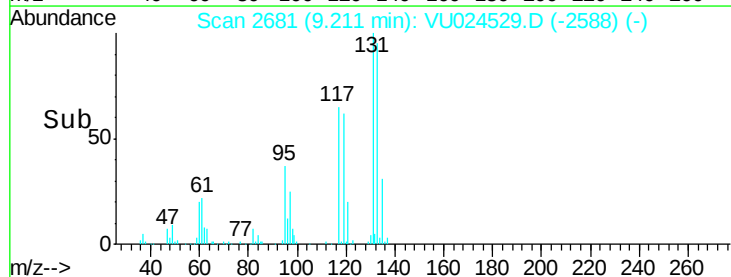
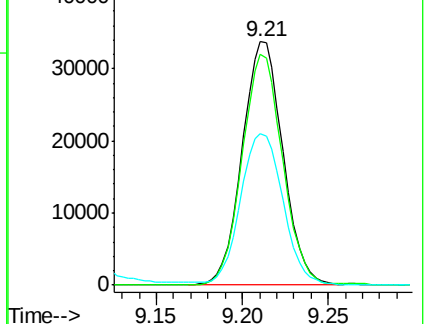
119 64.4 33.5 100.4

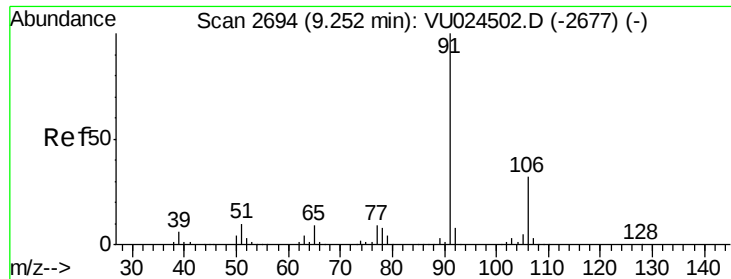


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

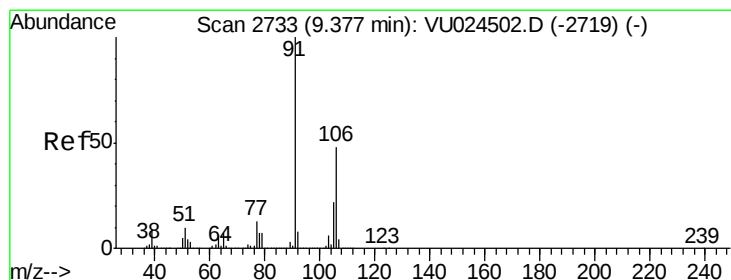
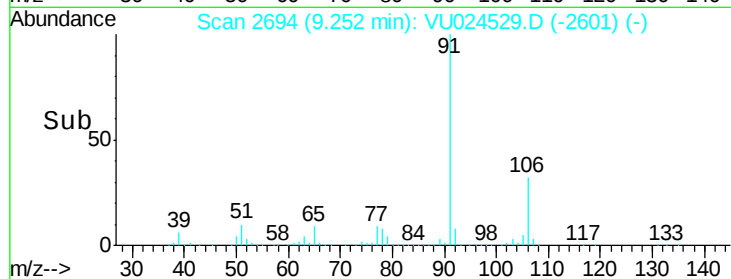
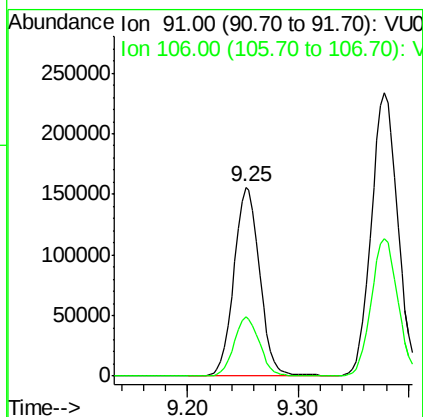
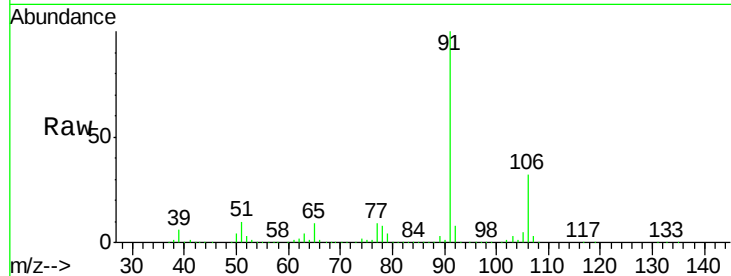




#67
Ethyl Benzene
Concen: 19.587 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

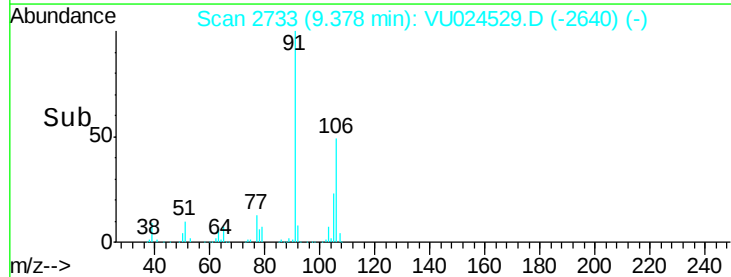
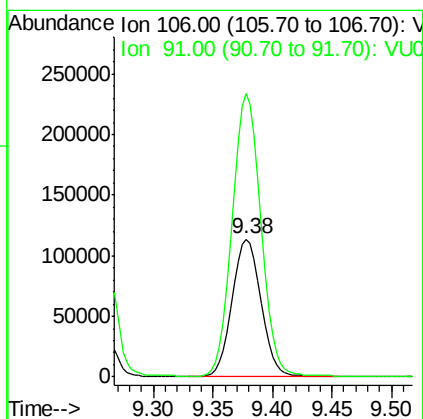
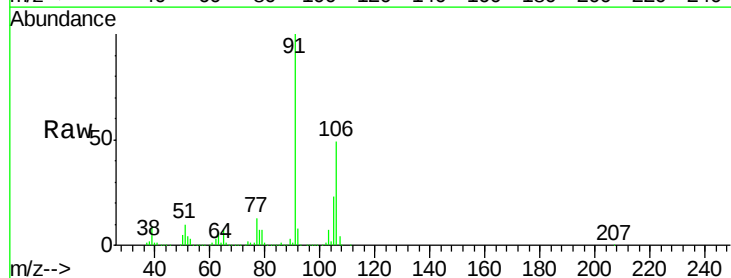
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 252364
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4



#68
m/p-Xylenes
Concen: 38.694 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 106 Resp: 191439
Ion Ratio Lower Upper
106 100
91 204.7 166.5 249.7

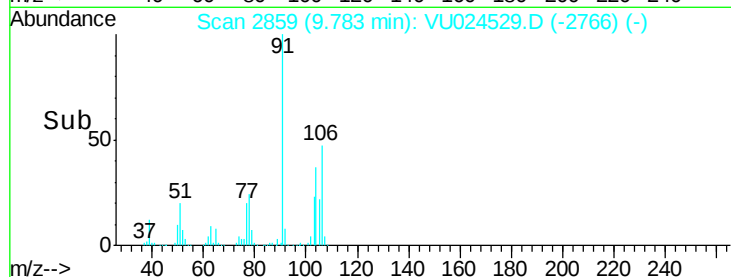
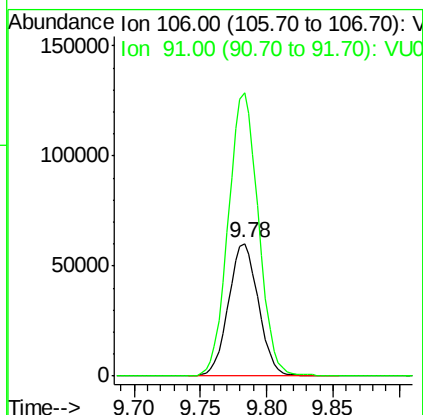
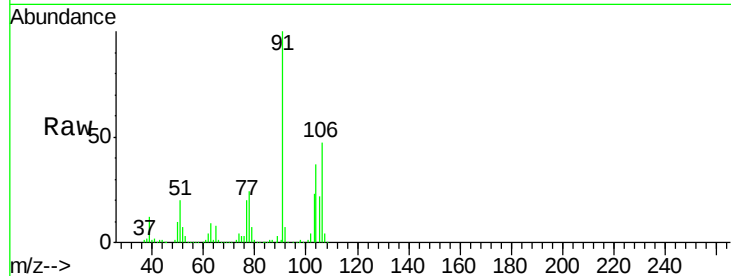




#69
o-Xylene
Concen: 19.322 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

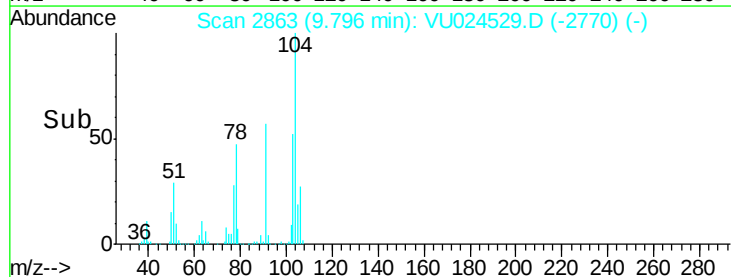
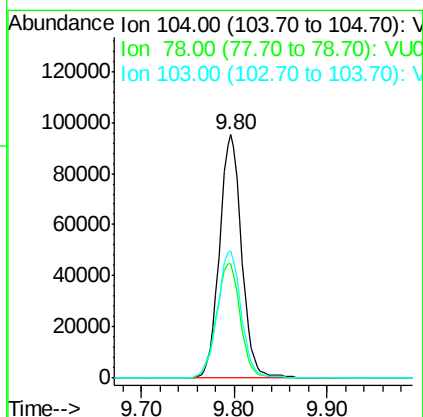
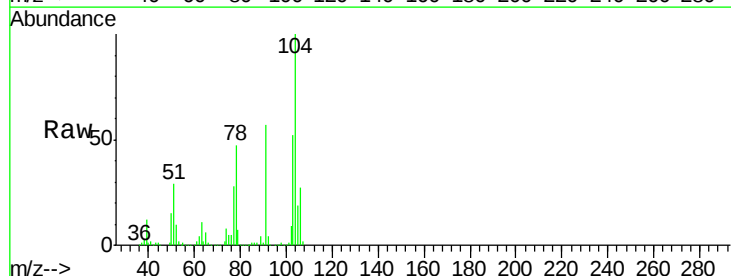
Instrument :
MSVOA_U
ClientSampled :

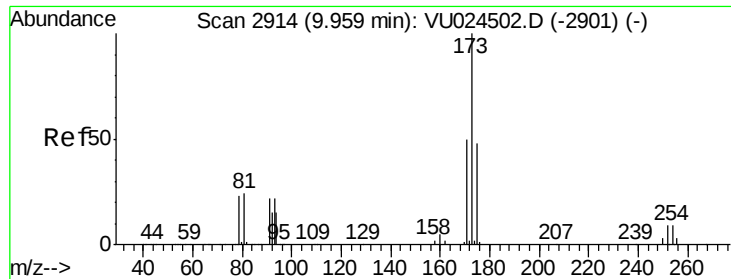
Tot Ion:106 Resp: 94609
Ion Ratio Lower Upper
106 100
91 214.6 110.7 331.9



#70
Styrene
Concen: 19.594 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion:104 Resp: 157663
Ion Ratio Lower Upper
104 100
78 51.3 40.6 60.8
103 55.7 44.7 67.1

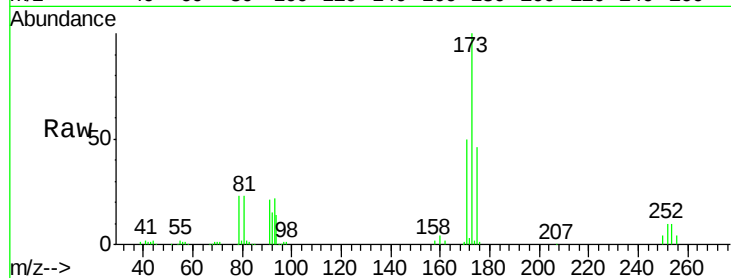




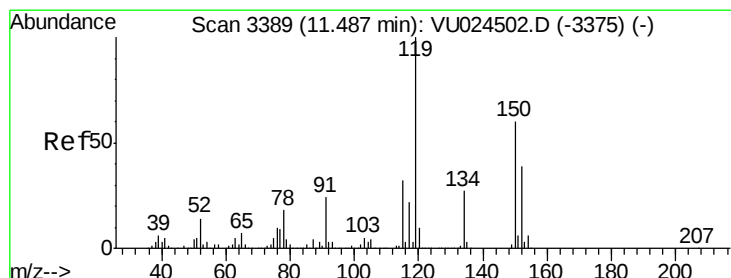
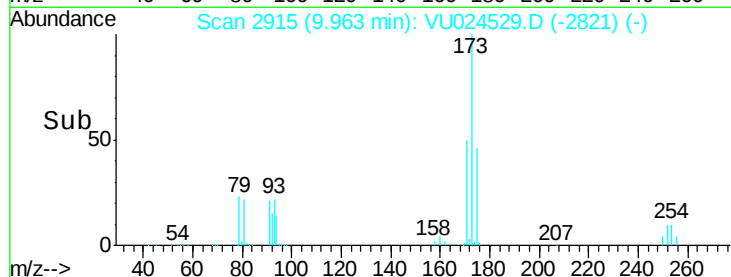
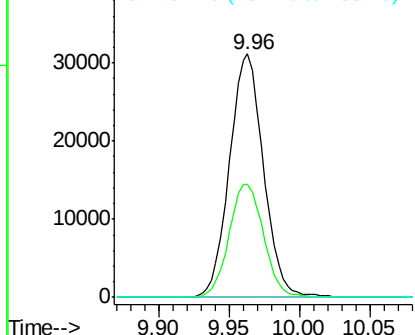
#71
Bromoform
Concen: 19.834 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	74.0
254	0.0	0.0	0.0

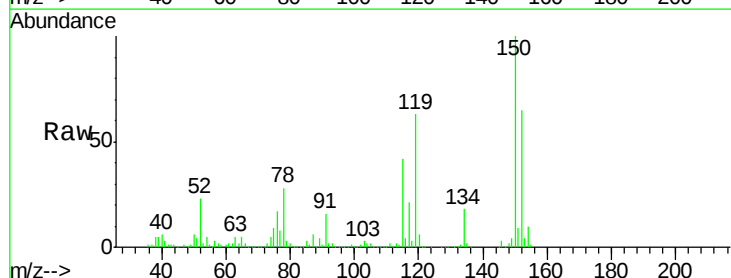


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

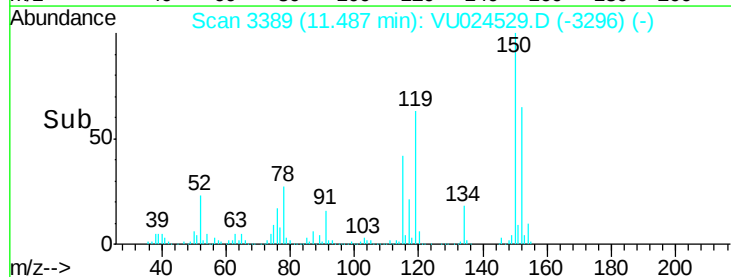
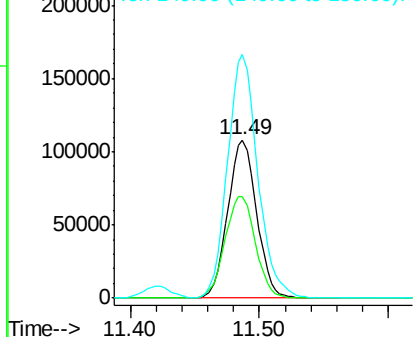


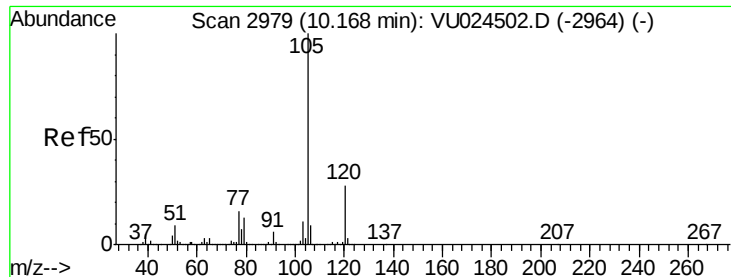
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.8	43.0	129.0
150	161.3	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: 19.380 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

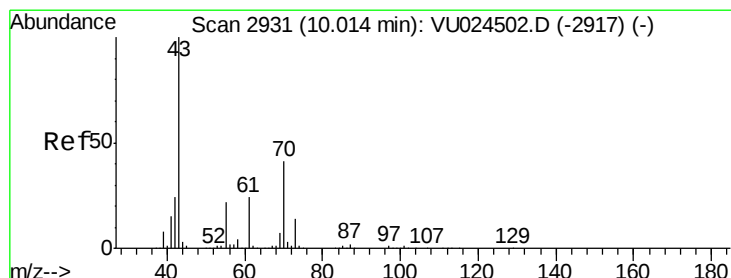
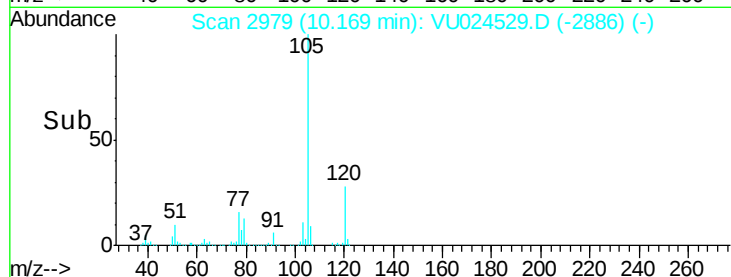
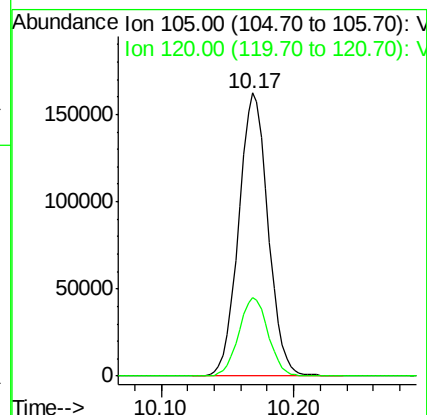
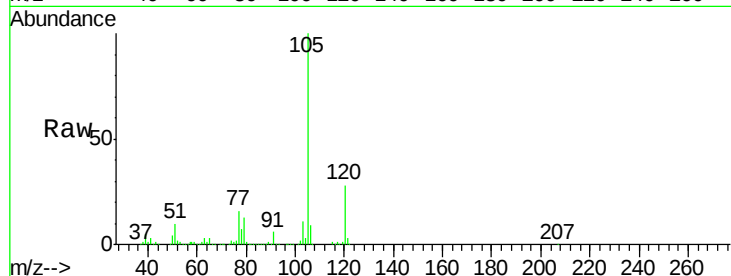
ClientSampleId :

Tot Ion: 105 Resp: 249409

Ion Ratio Lower Upper

105 100

120 27.8 13.2 39.6



#74

N-ethyl acetate

Concen: 20.178 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Tgt Ion: 43 Resp: 123512

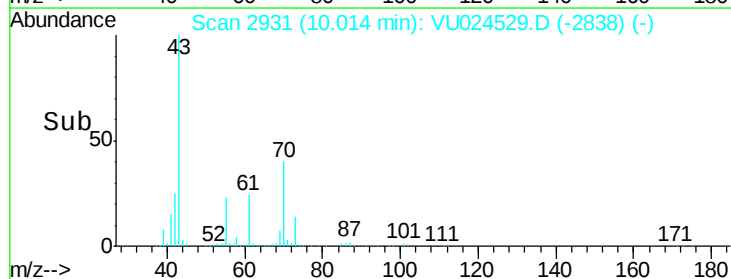
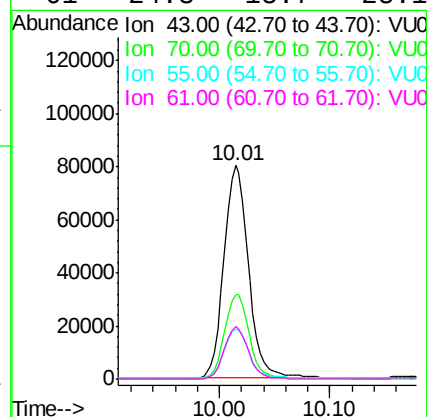
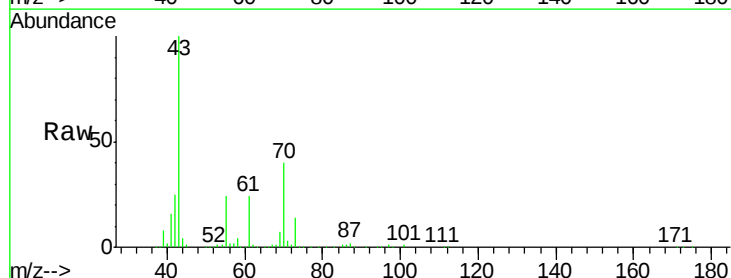
Ion Ratio Lower Upper

43 100

70 39.6 32.2 48.4

55 22.8 20.5 30.7

61 24.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.638 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

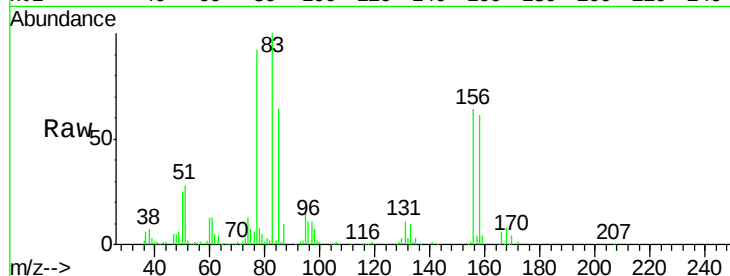
Tot Ion: 83 Resp: 89004

Ion Ratio Lower Upper

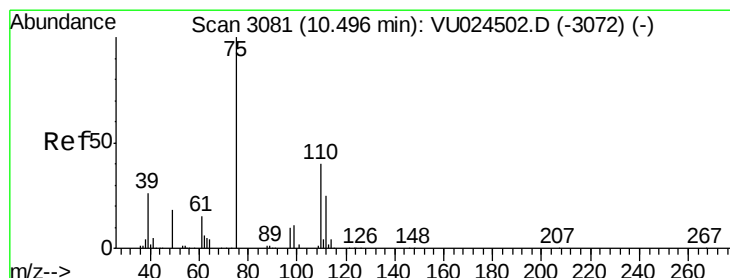
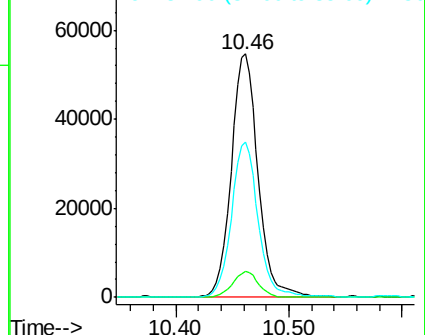
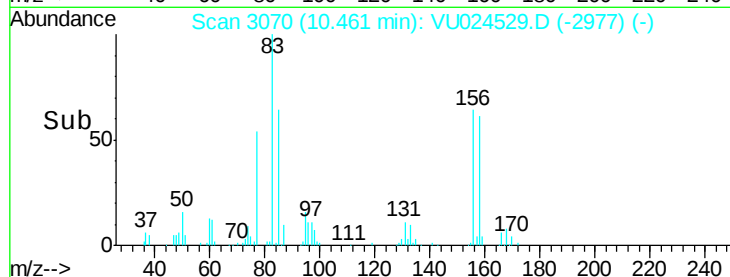
83 100

131 10.3 4.7 14.1

85 64.2 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU024529.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 28.771 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024529.D

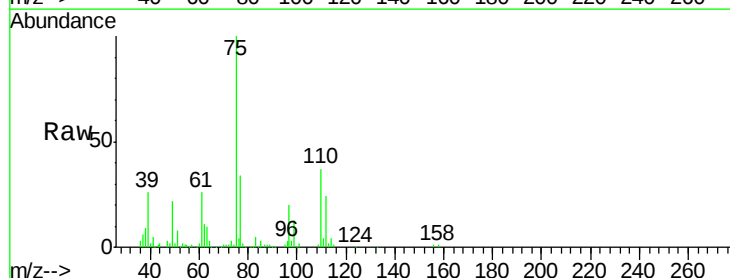
Acq: 14 Jun 2018 11:06

Tgt Ion: 75 Resp: 106176

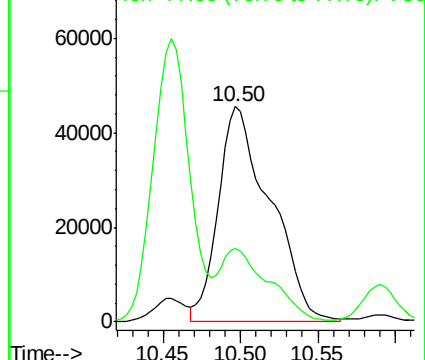
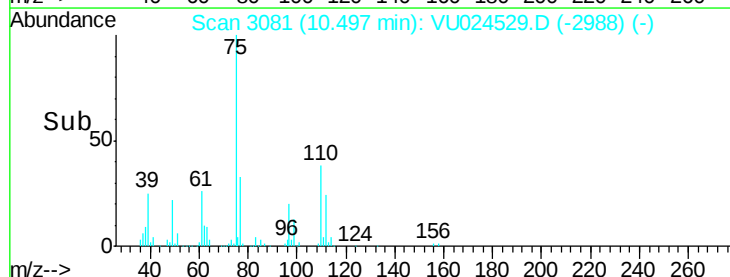
Ion Ratio Lower Upper

75 100

77 30.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024529.D (-2988) (-)





#77

Bromobenzene

Concen: 20.109 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

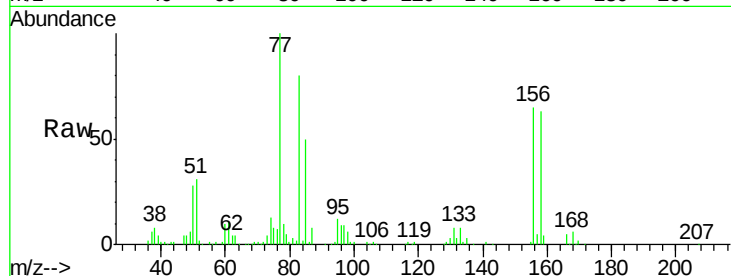
Tot Ion:156 Resp: 65517

Ion	Ratio	Lower	Upper
156	100		
77	150.8	80.5	241.3
158	97.1	48.2	144.6

156 100

77 150.8 80.5 241.3

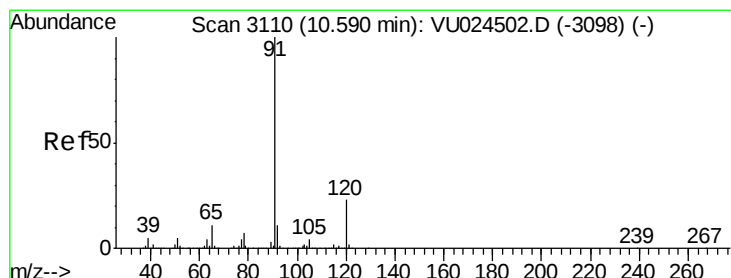
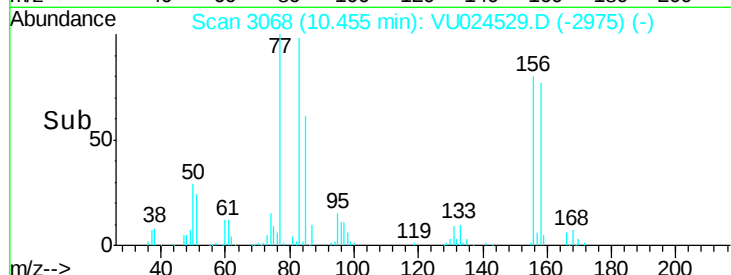
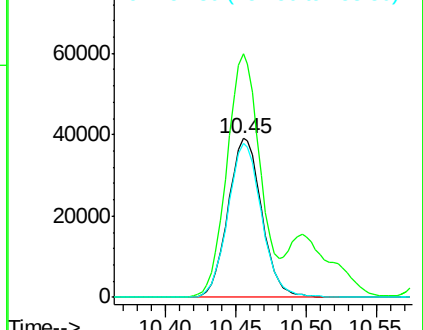
158 97.1 48.2 144.6



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: 19.727 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024529.D

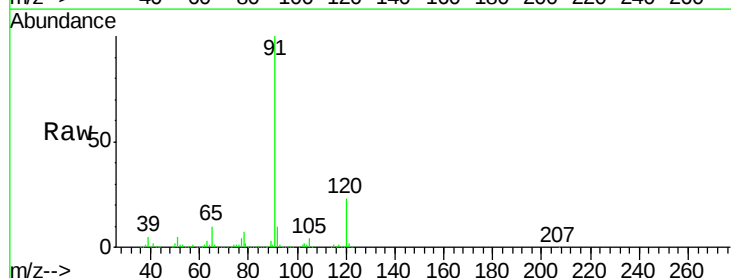
Acq: 14 Jun 2018 11:06

Tgt Ion: 91 Resp: 299061

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.2	33.5

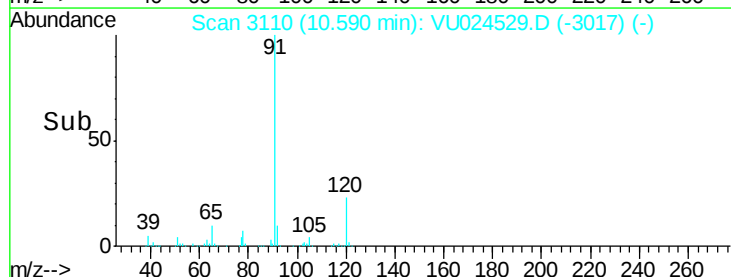
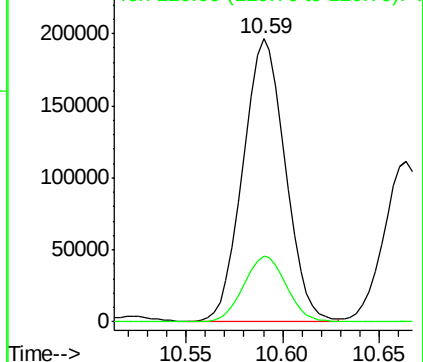
91 100

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: 19.560 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

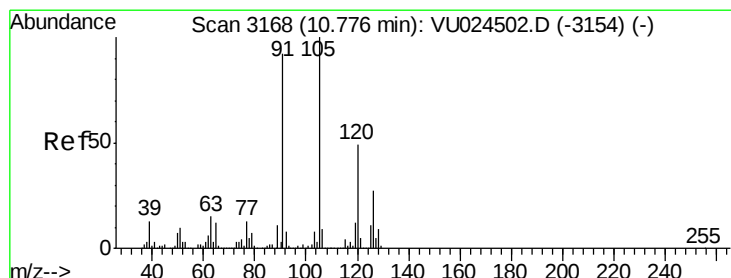
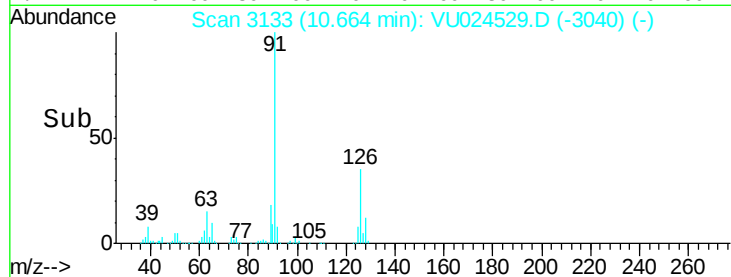
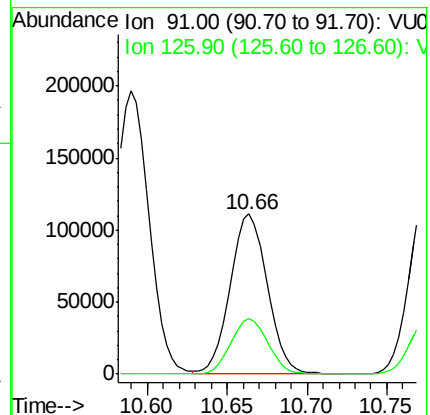
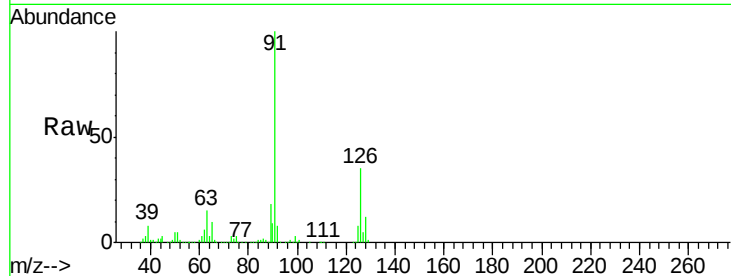
ClientSampled :

Tot Ion: 91 Resp: 174866

Ion Ratio Lower Upper

91 100

126 35.0 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 19.307 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024529.D

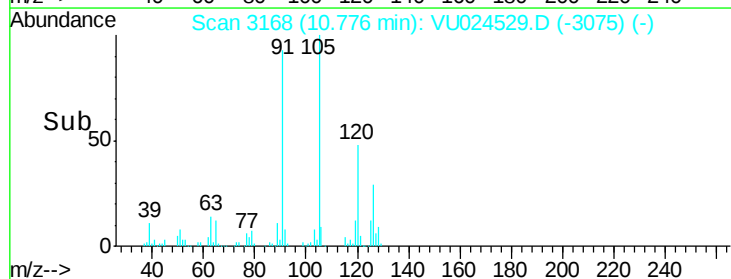
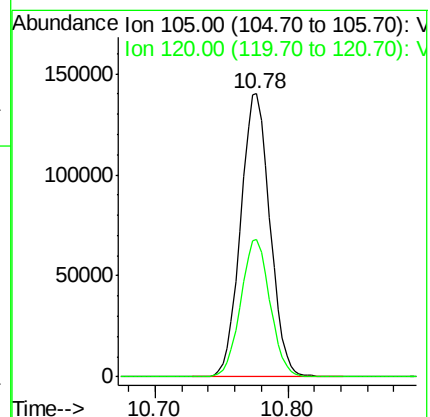
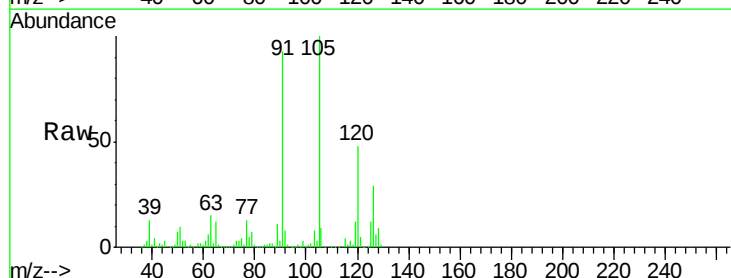
Acq: 14 Jun 2018 11:06

Tgt Ion: 105 Resp: 215355

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2

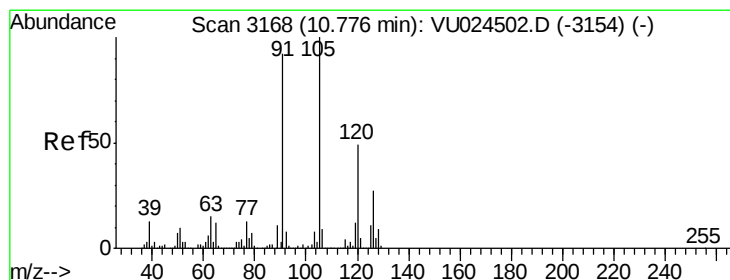
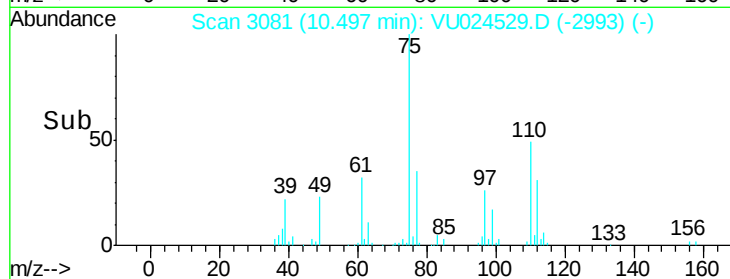
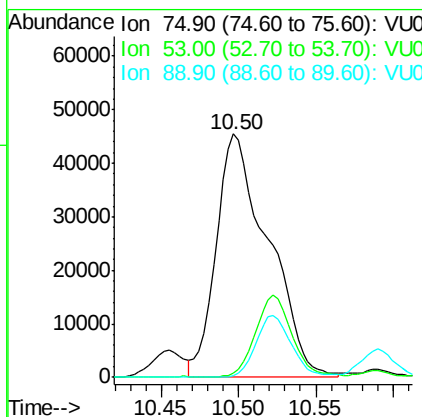
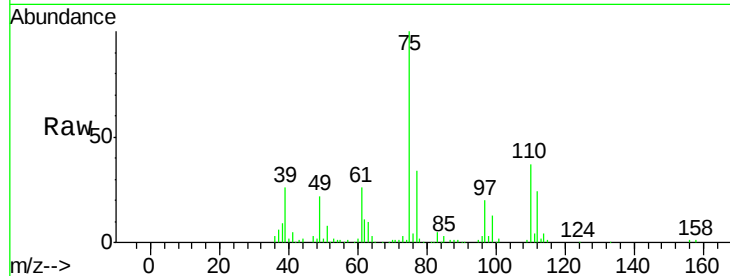




#81
trans-1,4-Dichloro-2-butene
Concen: 66.588 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

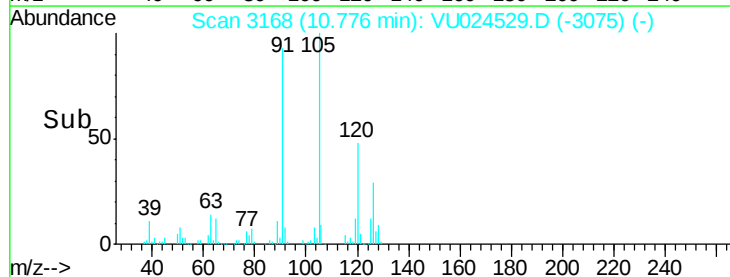
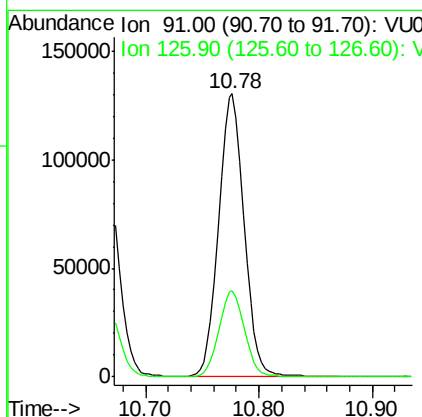
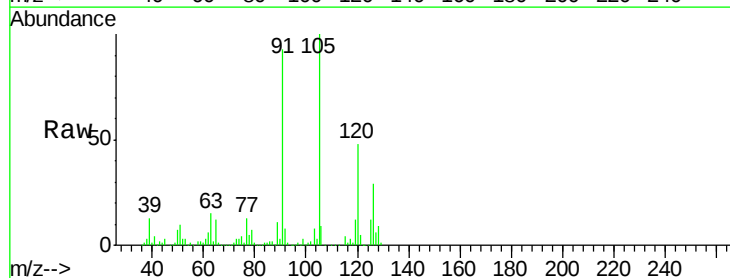
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 106176
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.597 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024529.D
Acq: 14 Jun 2018 11:06

Tgt Ion: 91 Resp: 203908
Ion Ratio Lower Upper
91 100
126 30.8 14.9 44.9





#83

tert-Butylbenzene

Concen: 20.132 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

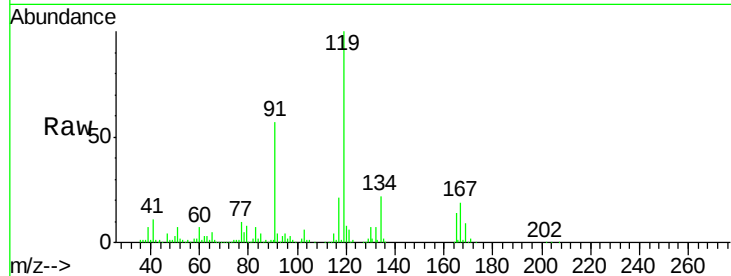
Tot Ion:119 Resp: 216008

Ion Ratio Lower Upper

119 100

91 58.1 29.7 89.1

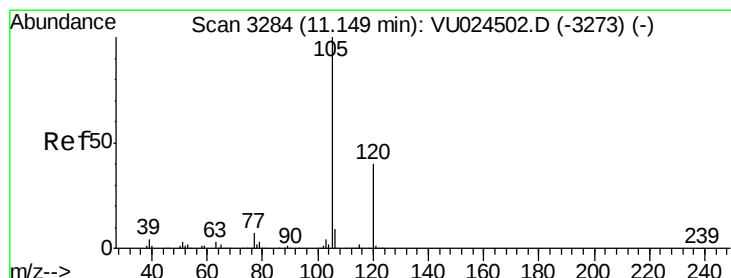
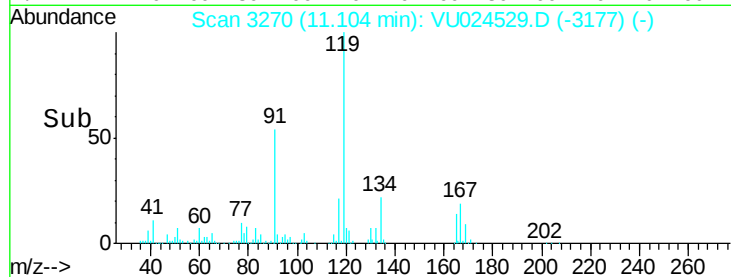
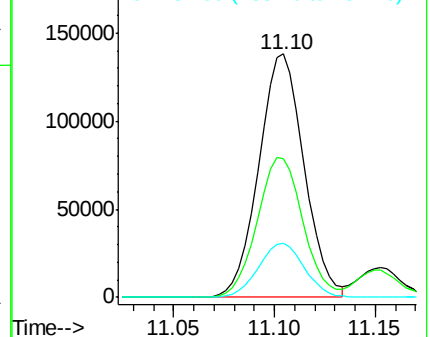
134 22.5 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.503 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024529.D

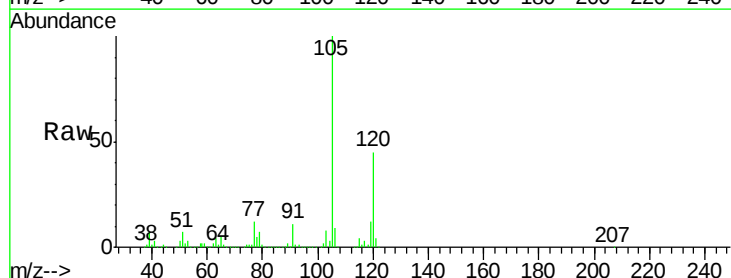
Acq: 14 Jun 2018 11:06

Tgt Ion:105 Resp: 221699

Ion Ratio Lower Upper

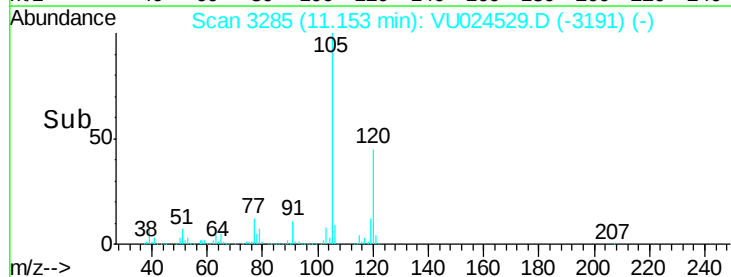
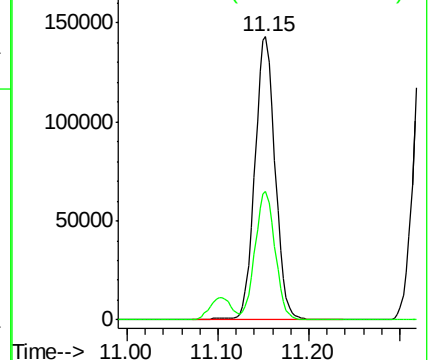
105 100

120 44.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.544 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

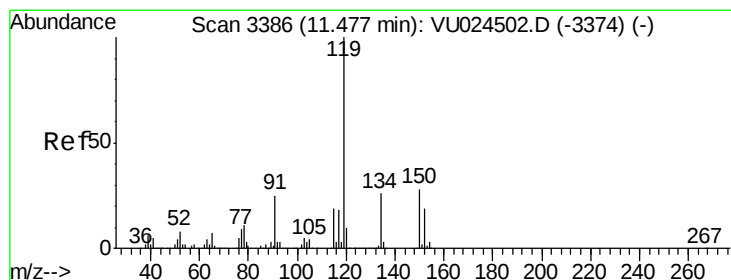
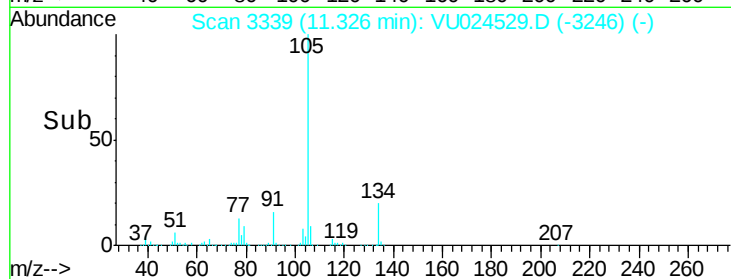
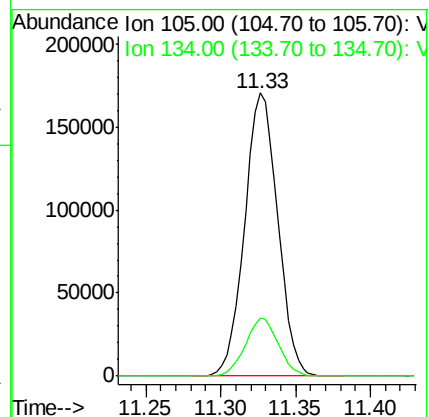
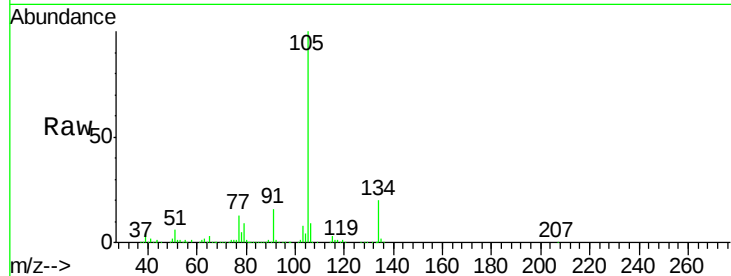
ClientSampleId :

Tot Ion:105 Resp: 262493

Ion Ratio Lower Upper

105 100

134 20.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 19.217 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

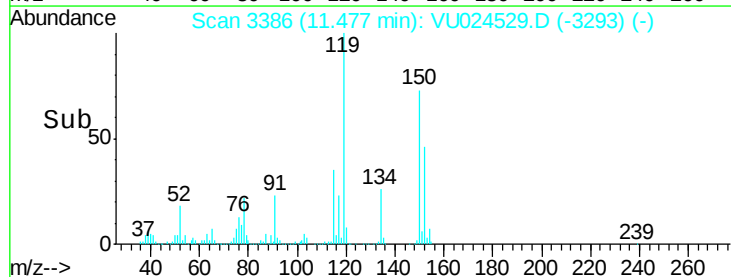
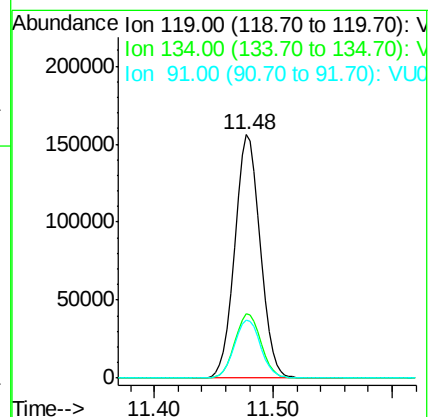
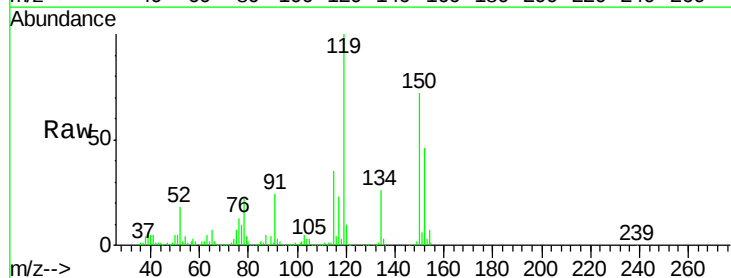
Tgt Ion:119 Resp: 231154

Ion Ratio Lower Upper

119 100

134 27.1 12.9 38.6

91 24.6 12.0 36.1

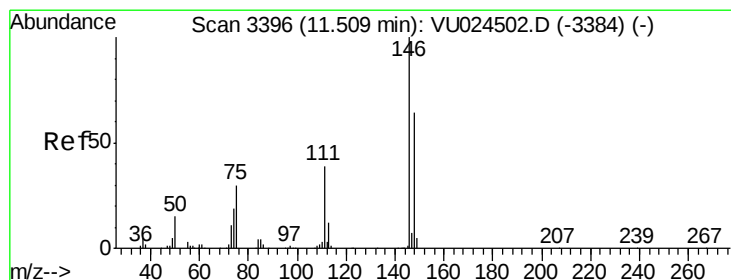
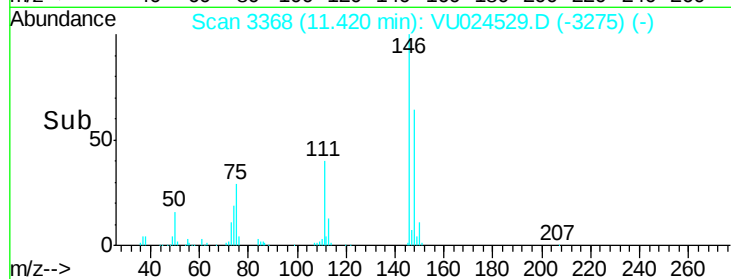
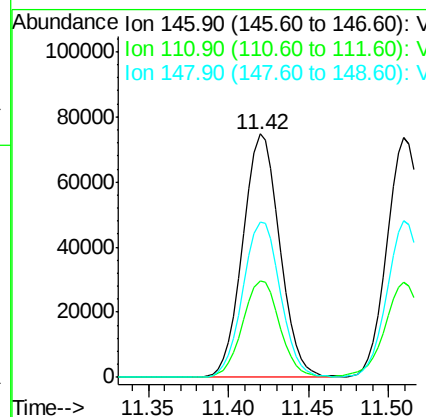
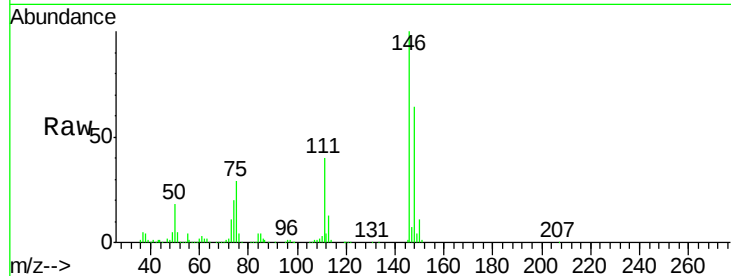




#87
 1,3-Dichlorobenzene
 Concen: 19.529 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

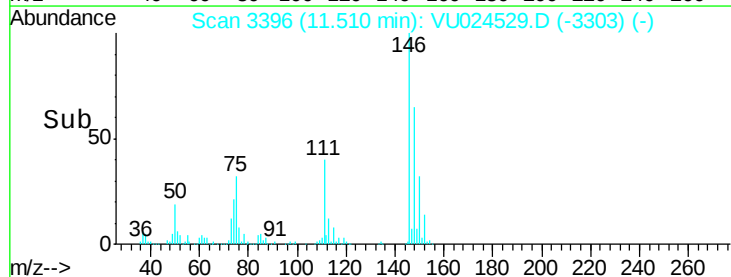
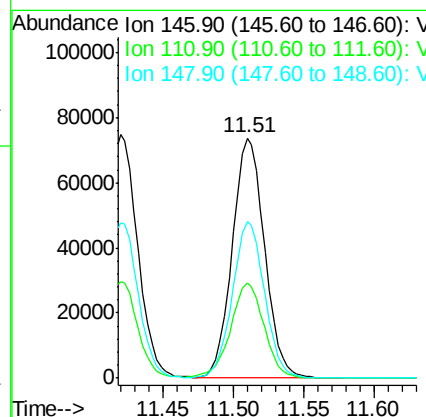
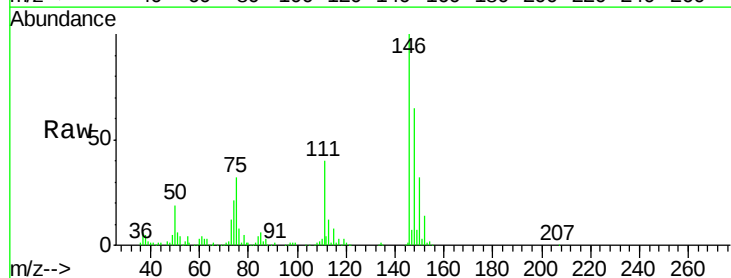
Instrument :
 MSVOA_U
 ClientSampled :

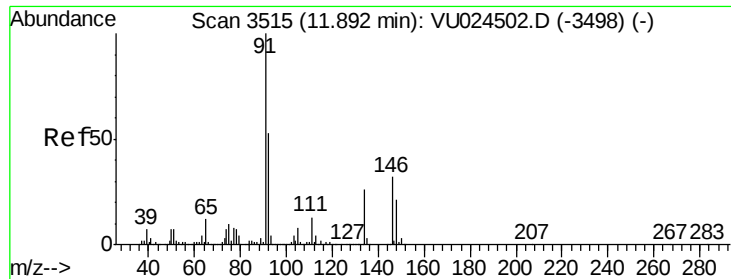
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.430 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.5	58.5
148	65.3	32.4	97.0





#89

n-Butylbenzene

Concen: 19.699 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

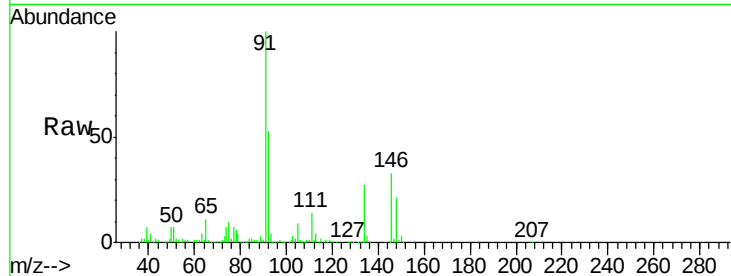
Tot Ion: 91 Resp: 210373

Ion Ratio Lower Upper

91 100

92 53.2 25.6 76.8

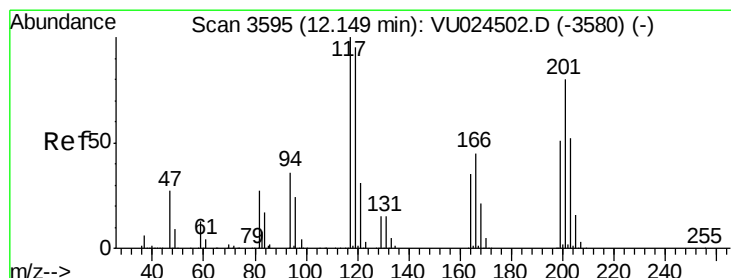
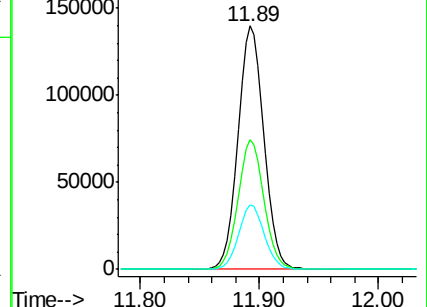
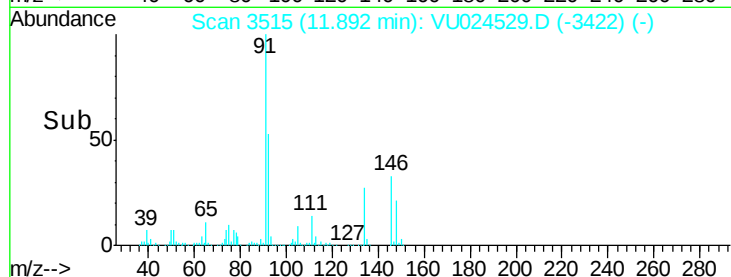
134 26.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 18.916 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024529.D

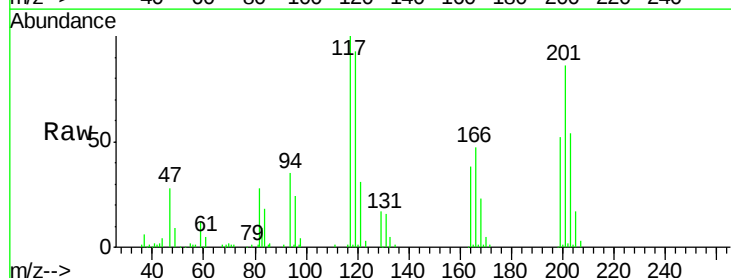
Acq: 14 Jun 2018 11:06

Tgt Ion: 117 Resp: 44386

Ion Ratio Lower Upper

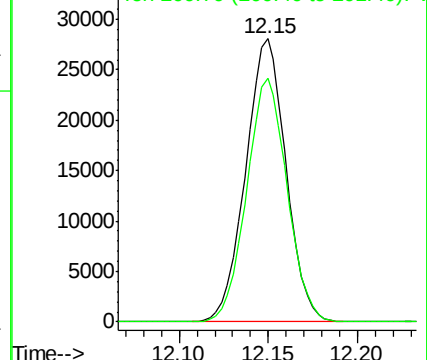
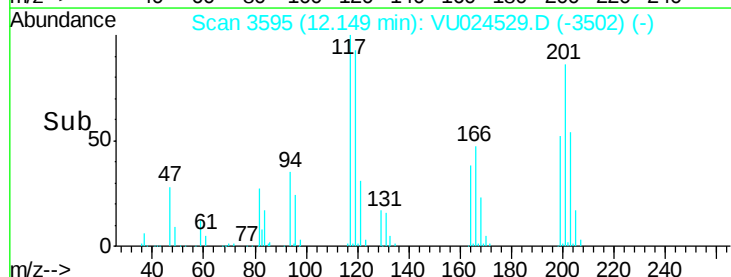
117 100

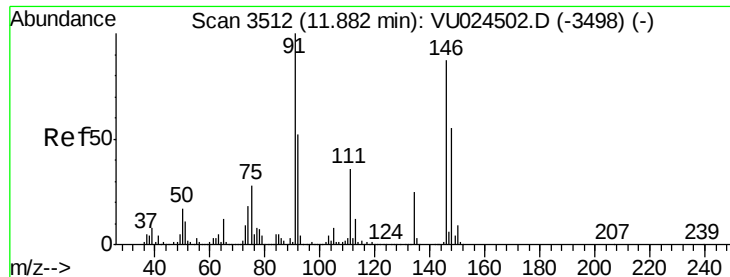
201 86.3 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)





#91

1,2-Dichlorobenzene

Concen: 19.514 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampled :

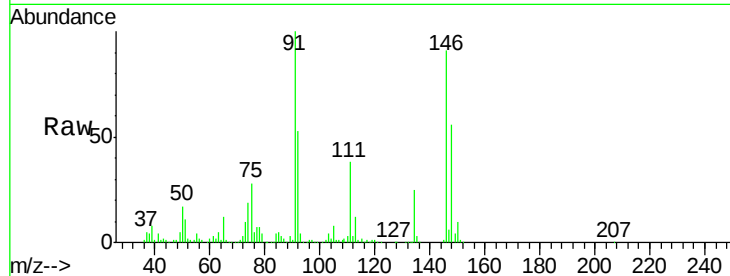
Tot Ion:146 Resp: 117649

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.6

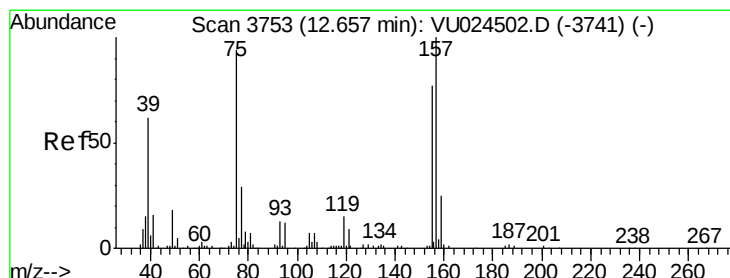
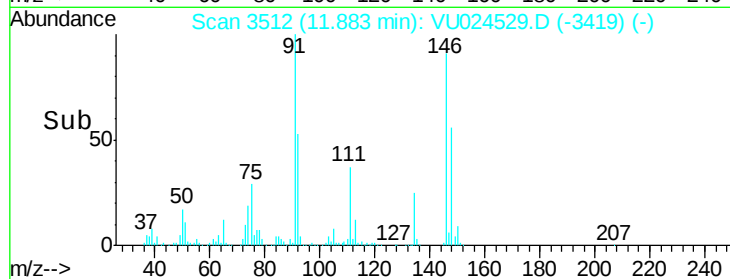
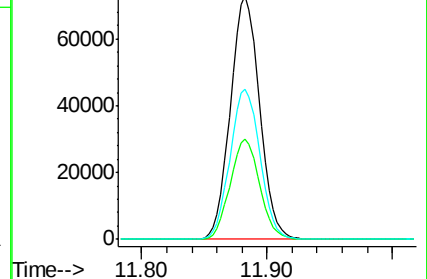
148 63.4 31.9 95.7



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: 19.773 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

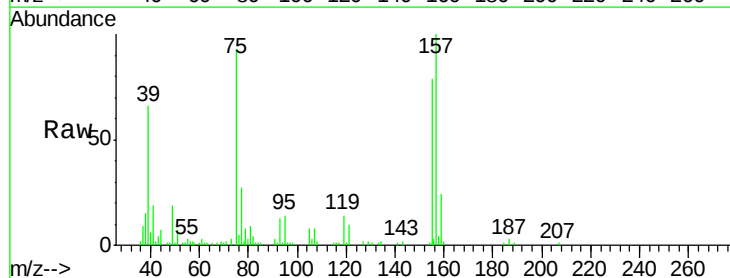
Tgt Ion: 75 Resp: 23529

Ion Ratio Lower Upper

75 100

155 88.4 40.4 121.2

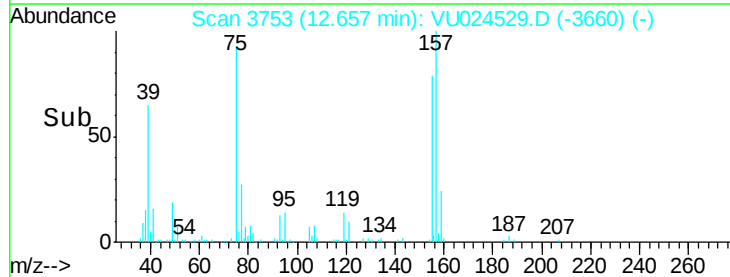
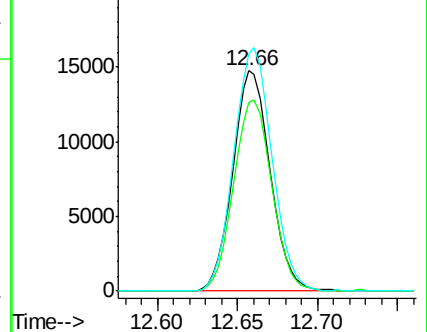
157 112.6 52.3 156.8



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

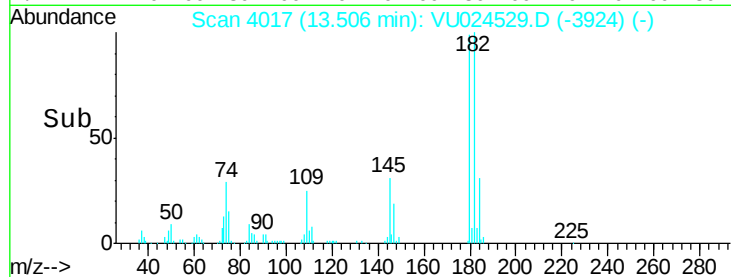
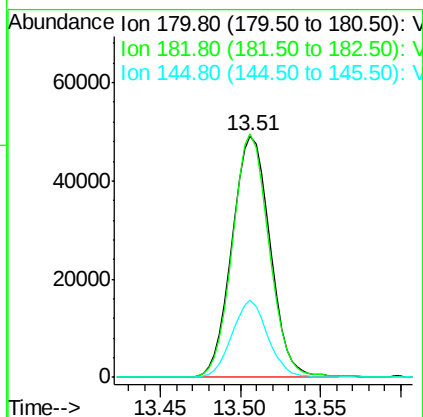
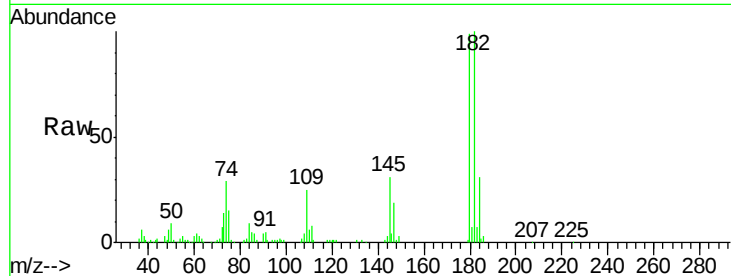




#93
 1,2,4-Trichlorobenzene
 Concen: 21.361 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

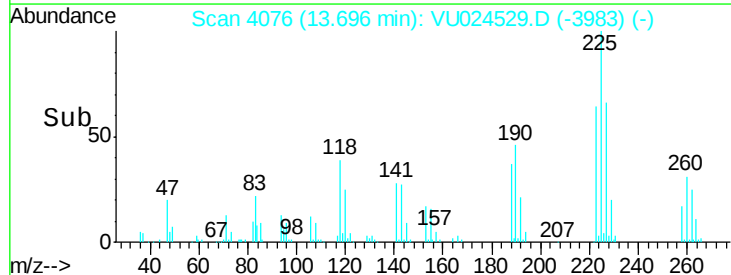
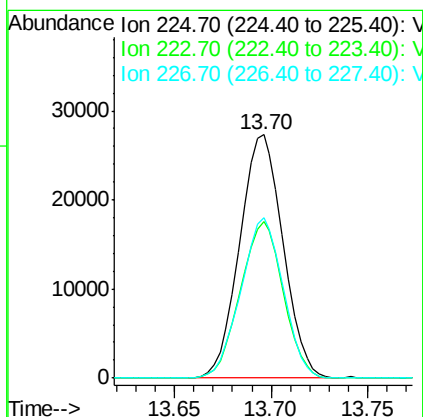
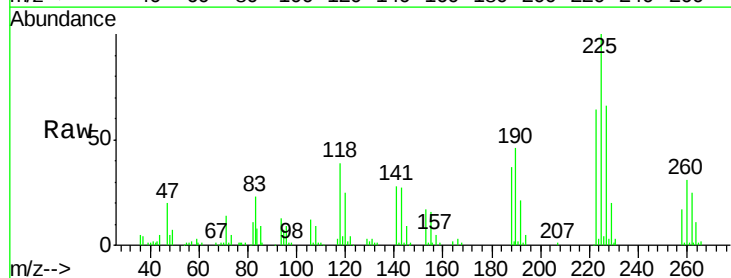
Instrument :
 MSVOA_U
 ClientSampleId :

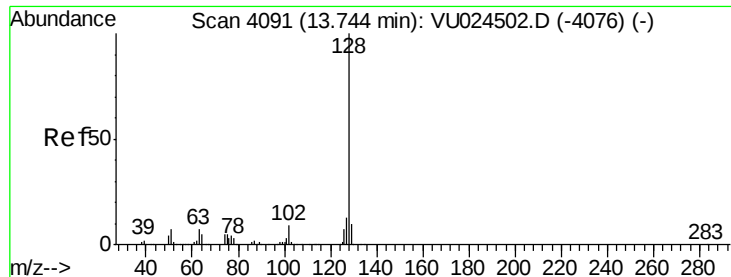
Tot Ion:180 Resp: 79528
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.0 144.2
 145 30.1 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 20.358 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024529.D
 Acq: 14 Jun 2018 11:06

Tgt Ion:225 Resp: 42661
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.3 93.8
 227 64.1 31.8 95.4





#95

Naphthalene

Concen: 20.357 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

Instrument :

MSVOA_U

ClientSampleId :

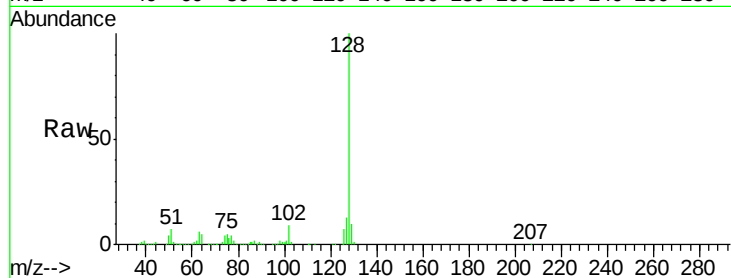
Tot Ion:128 Resp: 245875

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

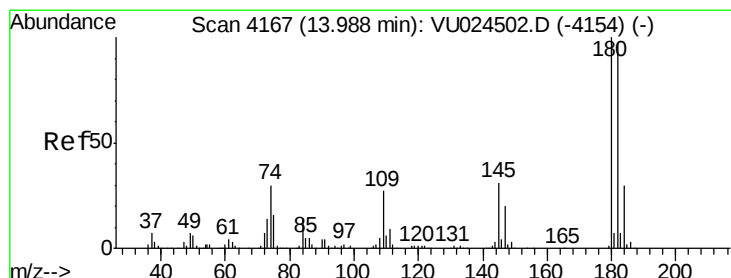
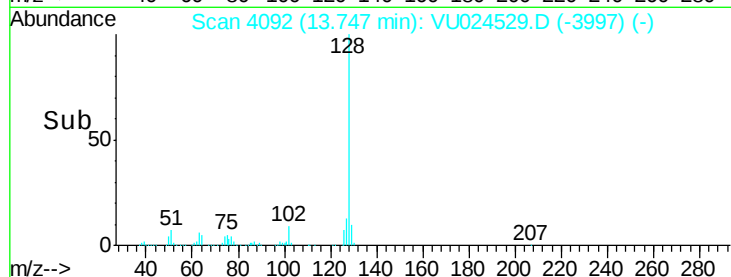
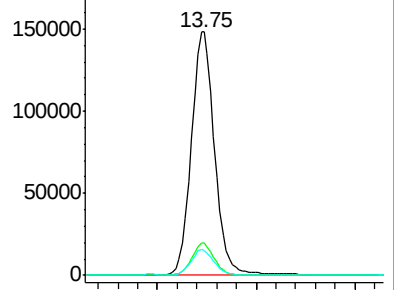
129 10.4 8.6 12.8



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: 21.611 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024529.D

Acq: 14 Jun 2018 11:06

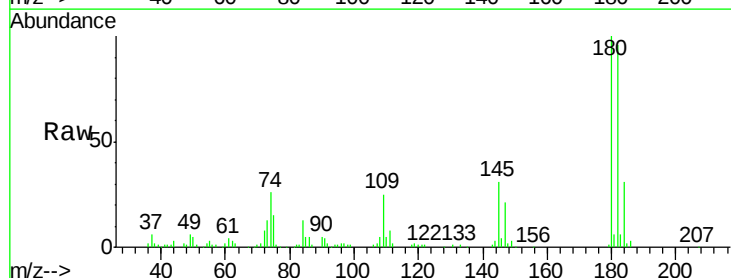
Tgt Ion:180 Resp: 80172

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 31.5 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

