

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025058.D
 Acq On : 29 Jun 2018 07:13
 Operator : MD/SY
 Sample : J3707-21MSD
 Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

Quant Time: Jun 29 08:42:18 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	4.98	168	205502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	316003	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	305576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	190091	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	155922	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	4.89	113	127046	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	7.57	98	434539	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
62) 4-Bromofluorobenzene	10.32	95	195306	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	97033	37.723	ug/l	100
3) Chloromethane	1.32	50	104439	39.742	ug/l	99
4) Vinyl Chloride	1.40	62	119840	44.219	ug/l	98
5) Bromomethane	1.60	94	33379	25.478	ug/l	99
6) Chloroethane	1.66	64	41745	27.082	ug/l	99
7) Trichlorofluoromethane	1.82	101	154927	37.459	ug/l	100
8) Diethyl Ether	2.10	74	70411	50.026	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.25	101	104577	40.757	ug/l	97
10) Methyl Iodide	2.38	142	103595	47.949	ug/l	99
11) Tert butyl alcohol	2.83	59	11547	14.152	ug/l #	72
12) 1,1-Dichloroethene	2.25	96	101522	43.386	ug/l	95
13) Acrolein	2.19	56	36065	84.172	ug/l	99
14) Allyl chloride	2.57	41	180656	41.581	ug/l	88
15) Acrylonitrile	2.95	53	376353	237.074	ug/l	98
16) Acetone	2.35	43	340506	188.901	ug/l	100
17) Carbon Disulfide	2.45	76	262078	34.978	ug/l	98
18) Methyl Acetate	2.62	43	234527	60.690	ug/l	99
19) Methyl tert-butyl Ether	3.01	73	425247	48.347	ug/l	97
20) Methylene Chloride	2.69	84	125877	44.505	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	113024	43.855	ug/l	98
22) Diisopropyl ether	3.58	45	402971	46.788	ug/l	97
23) Vinyl Acetate	3.53	43	1582044	205.058	ug/l	98
24) 1,1-Dichloroethane	3.44	63	226904	45.797	ug/l	99
25) 2-Butanone	4.28	43	501831	207.261	ug/l	95
26) 2,2-Dichloropropane	4.22	77	132157	28.091	ug/l	86
27) cis-1,2-Dichloroethene	4.22	96	311756	105.219	ug/l	90
28) Bromochloromethane	4.55	49	94805	43.442	ug/l #	83
29) Tetrahydrofuran	4.65	42	336614	224.499	ug/l	97
30) Chloroform	4.67	83	239144	47.687	ug/l	97
31) Cyclohexane	4.99	56	190691	43.067	ug/l	93
32) 1,1,1-Trichloroethane	4.91	97	215822	46.540	ug/l	95
36) 1,1-Dichloropropene	5.13	75	162448	43.748	ug/l	96
37) Ethyl Acetate	4.39	43	209123	51.671	ug/l	99
38) Carbon Tetrachloride	5.13	117	185161	45.345	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	190227	41.051	ug/l	96
40) Benzene	5.39	78	491332	46.436	ug/l	99
41) Methacrylonitrile	4.55	41	104509	47.894	ug/l	96
42) 1,2-Dichloroethane	5.41	62	199077	49.401	ug/l	100
43) Isopropyl Acetate	5.56	43	318242	45.491	ug/l	98
44) Trichloroethene	6.18	130	139522	46.333	ug/l	95
45) 1,2-Dichloropropane	6.44	63	134664	47.699	ug/l	99
46) Dibromomethane	6.56	93	96081	48.451	ug/l	95
47) Bromodichloromethane	6.76	83	185239	46.910	ug/l	99
48) Methyl methacrylate	6.63	41	162763	47.780	ug/l	100
49) 1,4-Dioxane	6.64	88	71958	1080.143	ug/l	96
51) 4-Methyl-2-Pentanone	7.48	43	1067123	242.798	ug/l	97
52) Toluene	7.64	92	321942	47.294	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	194237	43.801	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	201297	42.600	ug/l	100
55) 1,1,2-Trichloroethane	8.08	97	140484	50.769	ug/l	97
56) Ethyl methacrylate	8.03	69	229968	49.654	ug/l	100
57) 1,3-Dichloropropane	8.25	76	232830	49.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	68785	38.767	ug/l	96
59) 2-Hexanone	8.38	43	854259	238.075	ug/l	99
60) Dibromochloromethane	8.48	129	159064	46.098	ug/l	100
61) 1,2-Dibromoethane	8.59	107	151871	49.311	ug/l	100
64) Tetrachloroethene	8.23	164	144167	49.634	ug/l	98
65) Chlorobenzene	9.13	112	391147	50.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.22	131	145236	48.970	ug/l	98
67) Ethyl Benzene	9.26	91	652612	47.688	ug/l	99
68) m/p-Xylenes	9.38	106	503953	95.898	ug/l	97
69) o-Xylene	9.79	106	254606	48.955	ug/l	96
70) Styrene	9.80	104	430845	50.411	ug/l	99
71) Bromoform	9.97	173	132784	47.104	ug/l #	100
73) Isopropylbenzene	10.17	105	697730	47.808	ug/l	99
74) N-amyl acetate	10.02	43	309446	44.577	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.47	83	242956	49.678	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	282293	67.452	ug/l	83
77) Bromobenzene	10.46	156	187093	50.637	ug/l	94
78) n-propylbenzene	10.59	91	788570	45.868	ug/l	97
79) 2-Chlorotoluene	10.67	91	487549	48.089	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	594823	47.023	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	282293	156.111	ug/l #	100
82) 4-Chlorotoluene	10.78	91	559226	47.391	ug/l	99
83) tert-Butylbenzene	11.11	119	606165	49.816	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	600613	46.591	ug/l	100
85) sec-Butylbenzene	11.33	105	725266	47.617	ug/l	98
86) p-Isopropyltoluene	11.48	119	630235	46.201	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	333279	48.824	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	338625	49.287	ug/l	99
89) n-Butylbenzene	11.90	91	504462	41.654	ug/l	97
90) Hexachloroethane	12.15	117	114002	42.841	ug/l	98
91) 1,2-Dichlorobenzene	11.89	146	348414	50.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	57805	42.835	ug/l	93

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	207526	49.152	ug/l	99
94) Hexachlorobutadiene	13.70	225	112242	47.231	ug/l	99
95) Naphthalene	13.75	128	673137	48.184	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	213728	50.802	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

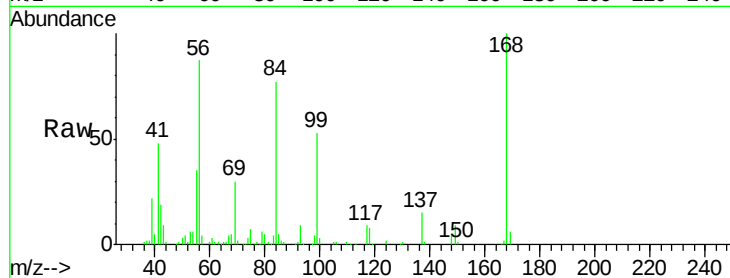
WP021SB489-21-23-180622MSD

Tgt Ion:168 Resp: 205502

Ion Ratio Lower Upper

168 100

99 52.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

80000

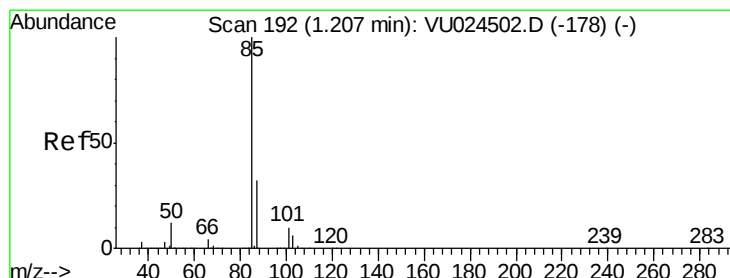
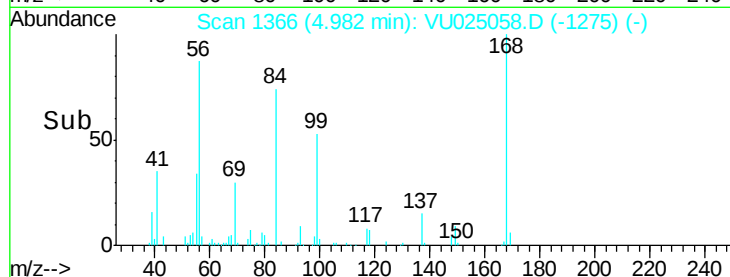
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 37.723 ug/l

RT: 1.20 min Scan# 190

Delta R.T. -0.01 min

Lab File: VU025058.D

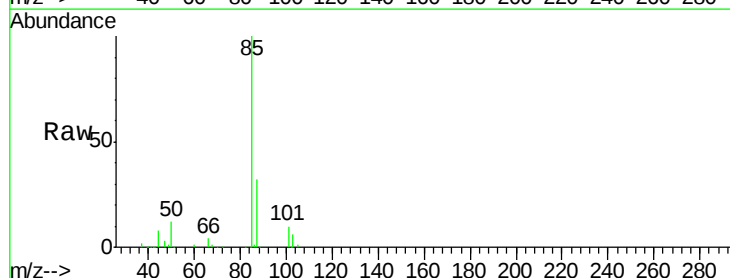
Acq: 29 Jun 2018 07:13

Tgt Ion: 85 Resp: 97033

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.20

80000

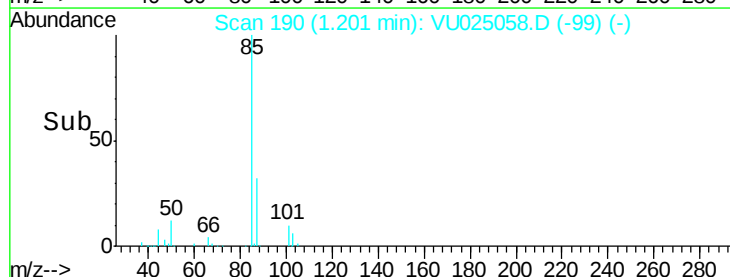
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 39.742 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

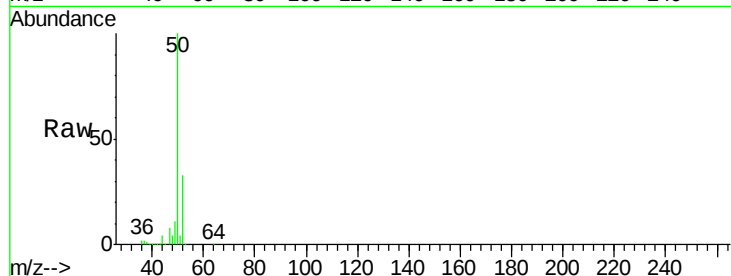
WP021SB489-21-23-180622MSD

Tgt Ion: 50 Resp: 104439

Ion Ratio Lower Upper

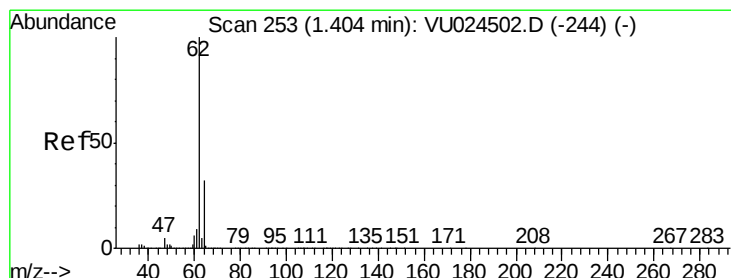
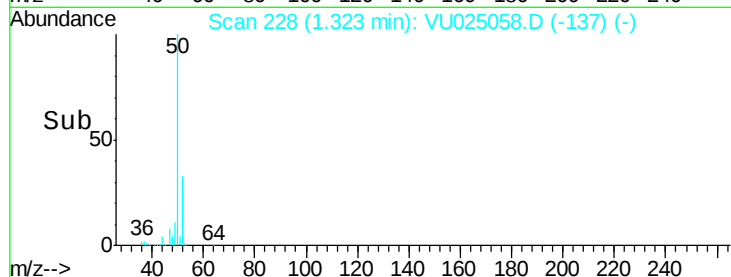
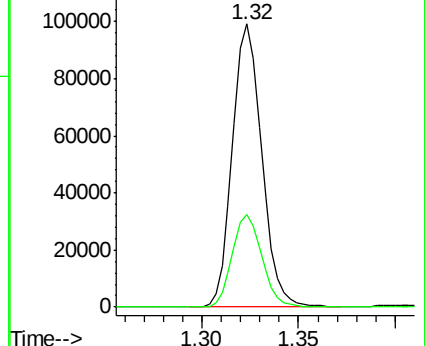
50 100

52 32.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 44.219 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025058.D

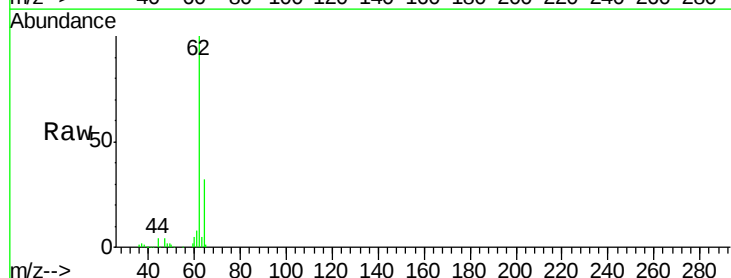
Acq: 29 Jun 2018 07:13

Tgt Ion: 62 Resp: 119840

Ion Ratio Lower Upper

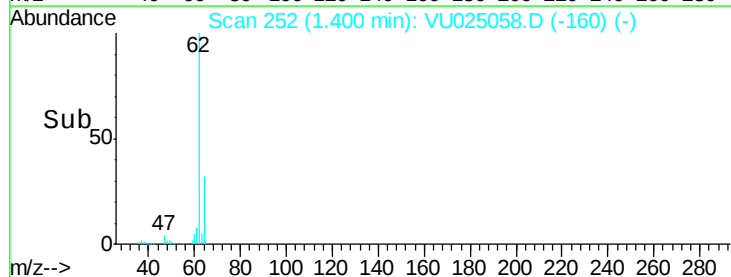
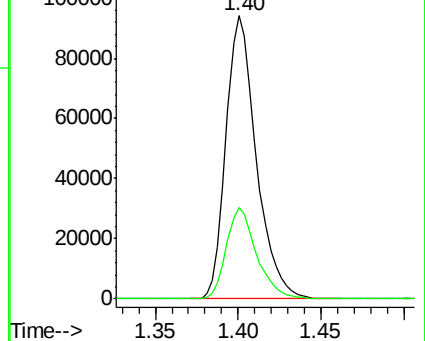
62 100

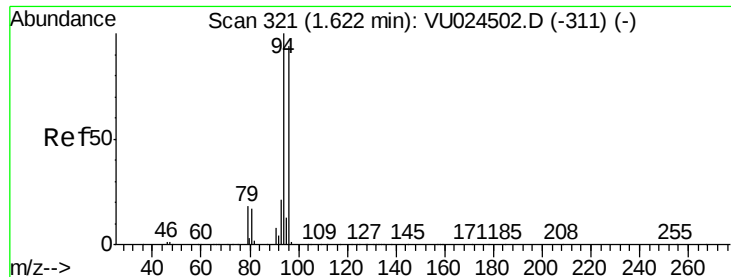
64 32.0 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 25.478 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

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ClientSampleId :

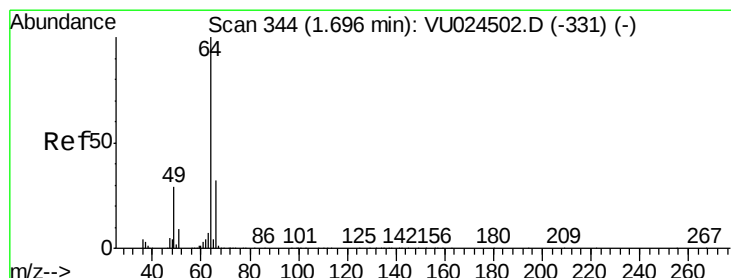
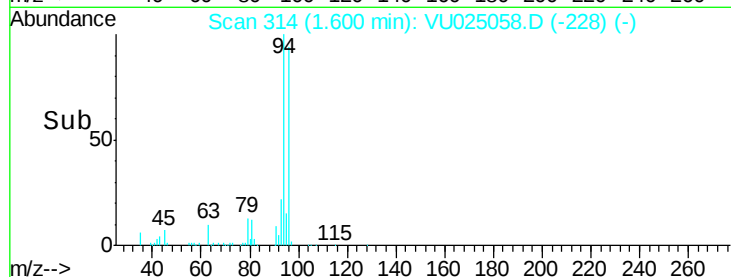
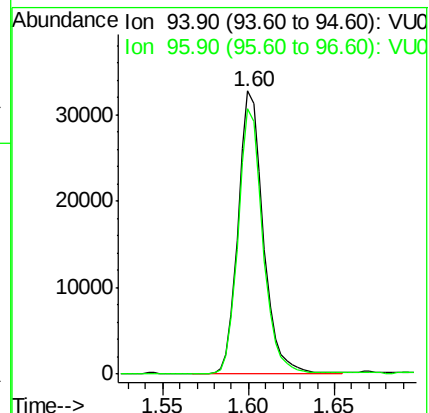
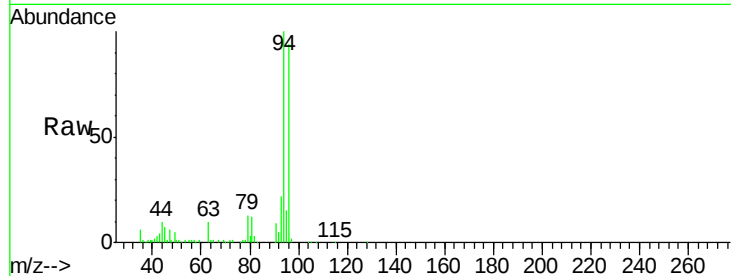
WP021SB489-21-23-180622MSD

Tgt Ion: 94 Resp: 33379

Ion Ratio Lower Upper

94 100

96 94.0 74.5 111.7



#6

Chloroethane

Concen: 27.082 ug/l

RT: 1.66 min Scan# 333

Delta R.T. -0.04 min

Lab File: VU025058.D

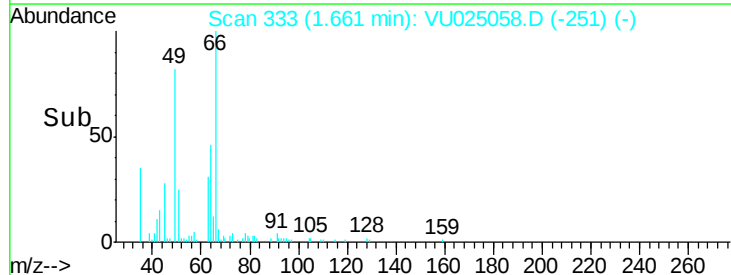
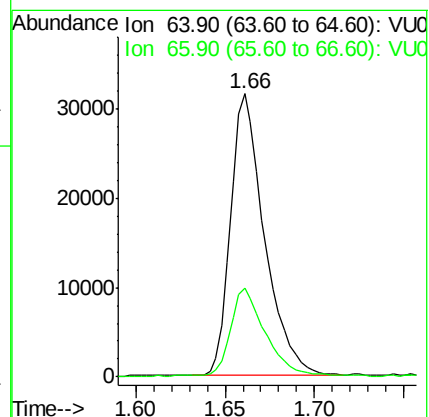
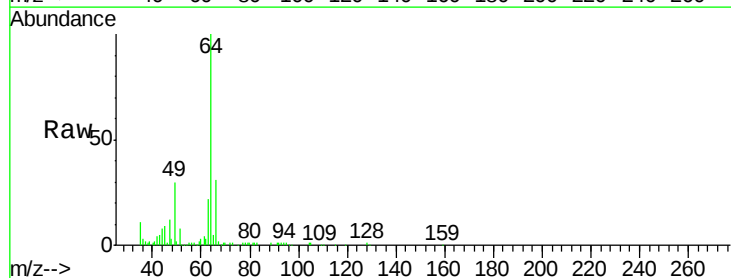
Acq: 29 Jun 2018 07:13

Tgt Ion: 64 Resp: 41745

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3



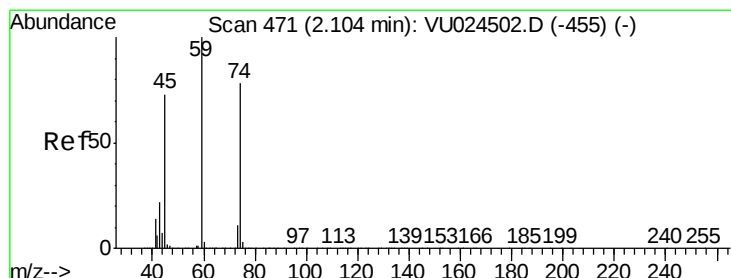
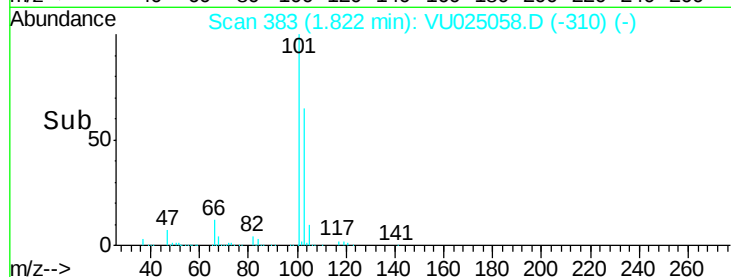
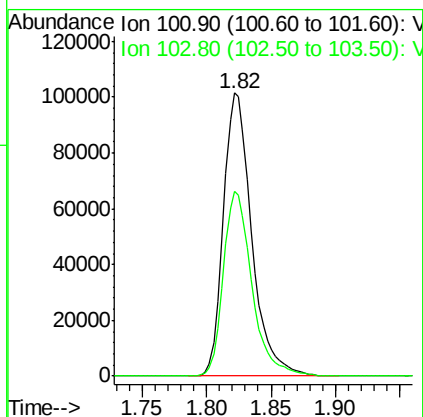
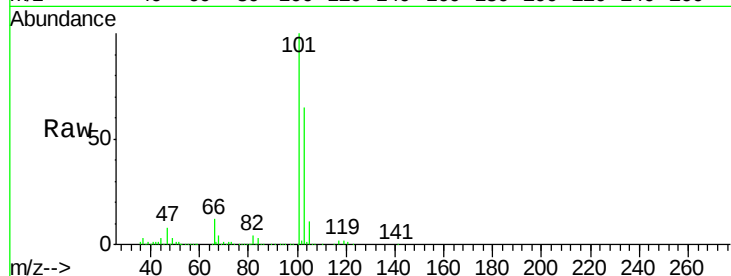


#7

Trichlorofluoromethane
Concen: 37.459 ug/l
RT: 1.82 min Scan# 383
Delta R.T. -0.06 min
Lab File: VU025058.D
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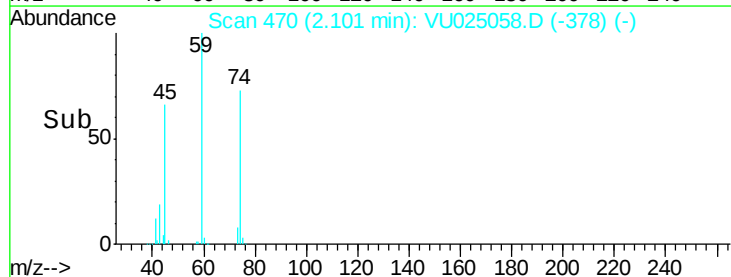
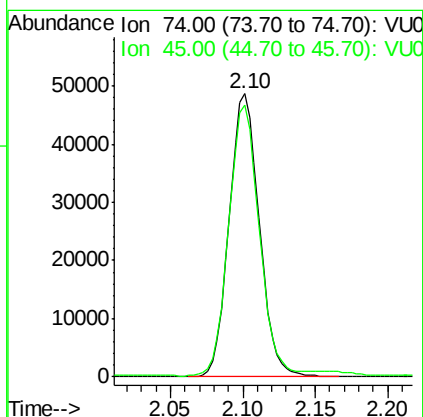
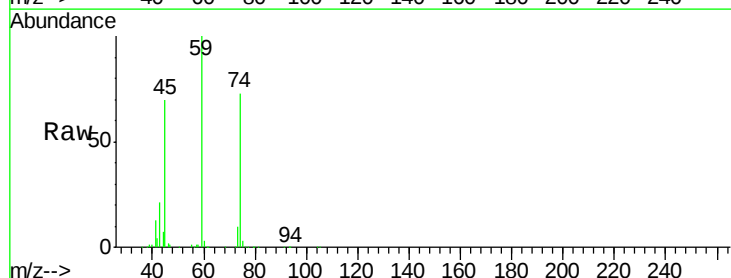
Tgt Ion:101 Resp: 154927
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5

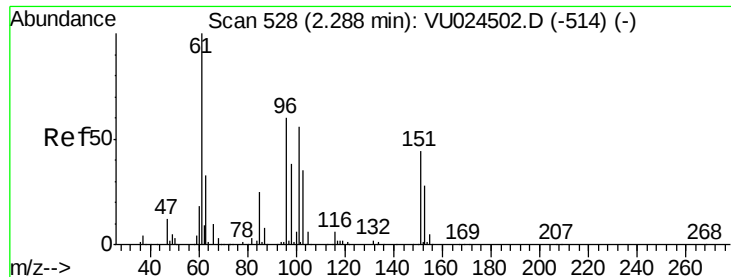


#8

Diethyl Ether
Concen: 50.026 ug/l
RT: 2.10 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 74 Resp: 70411
Ion Ratio Lower Upper
74 100
45 97.1 55.0 165.0

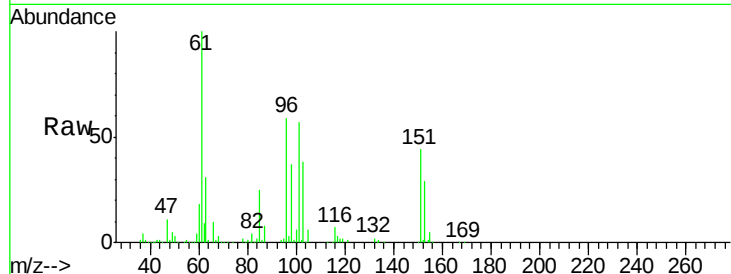




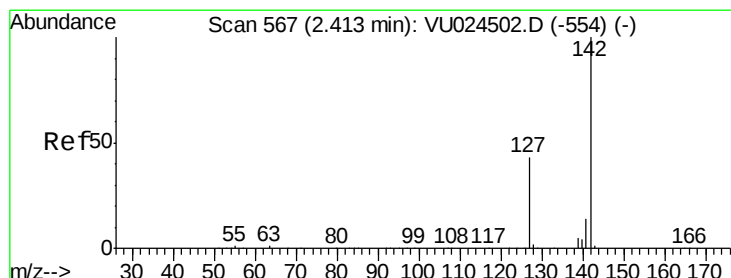
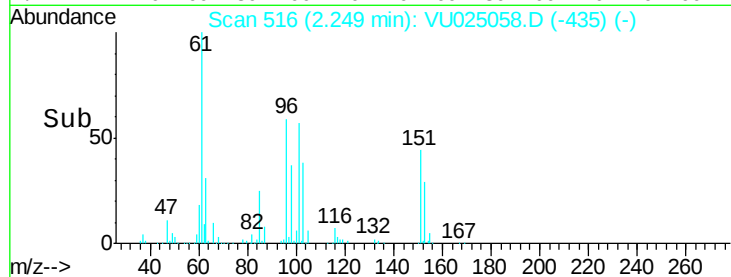
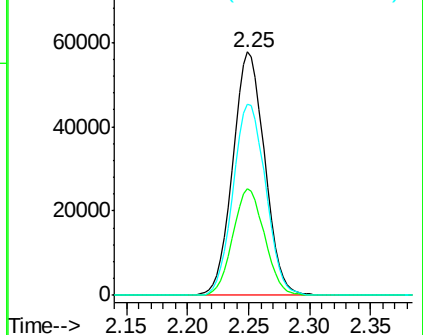
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 40.757 ug/l
 RT: 2.25 min Scan# 516
 Delta R.T. -0.04 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.0	54.0
151	80.6	62.3	93.5

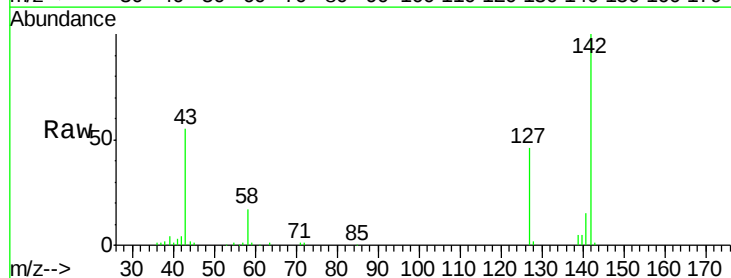


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

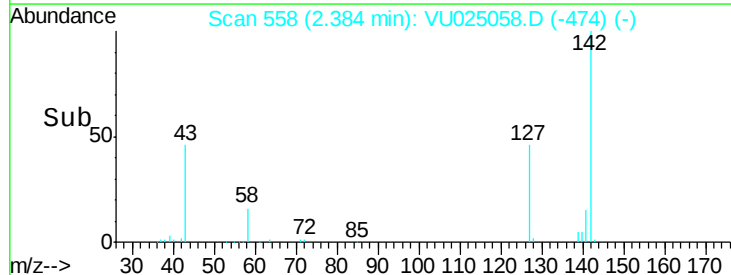
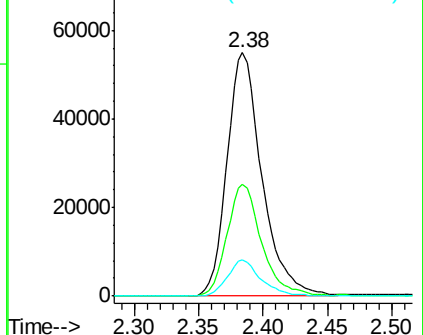


#10
 Methyl Iodide
 Concen: 47.949 ug/l
 RT: 2.38 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.6	53.4
141	14.4	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



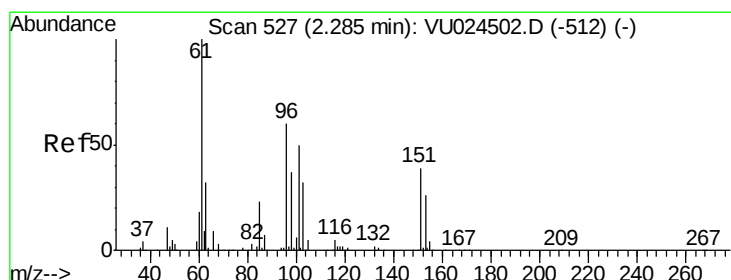
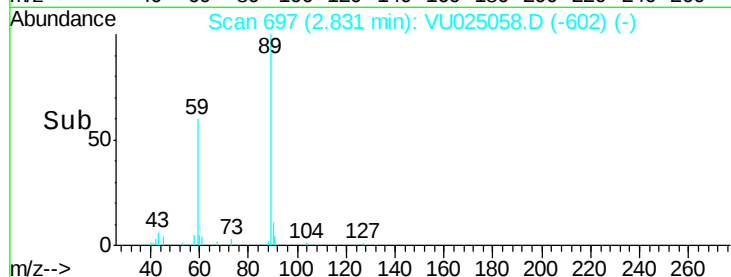
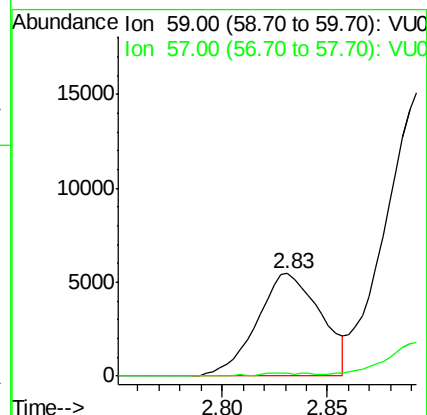
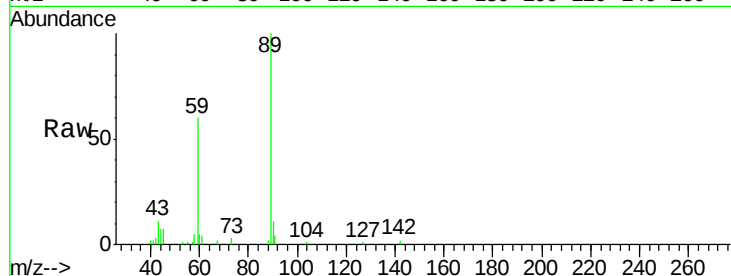


#11

Tert butyl alcohol
Concen: 14.152 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

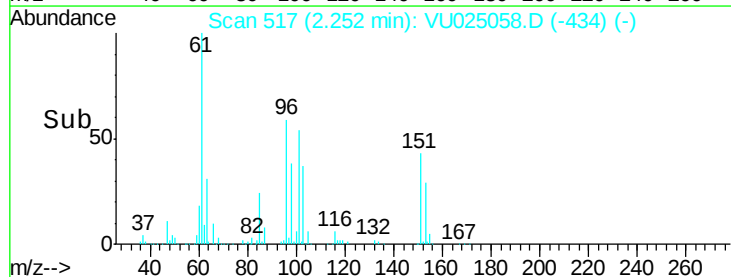
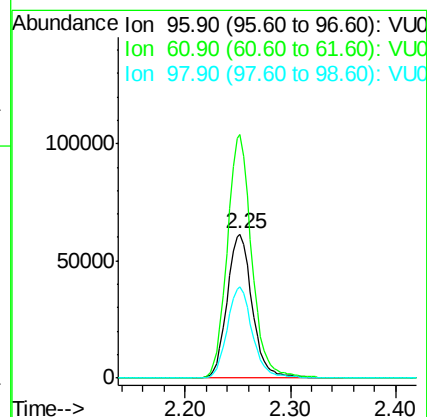
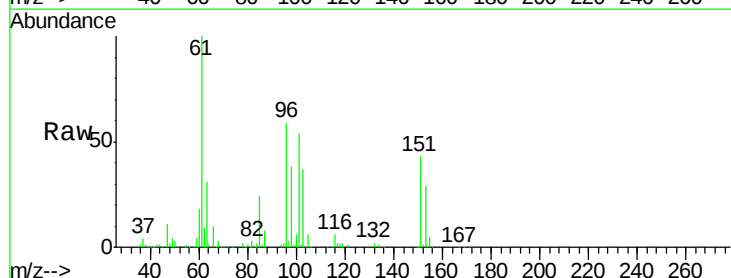
Tgt Ion: 59 Resp: 11547
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

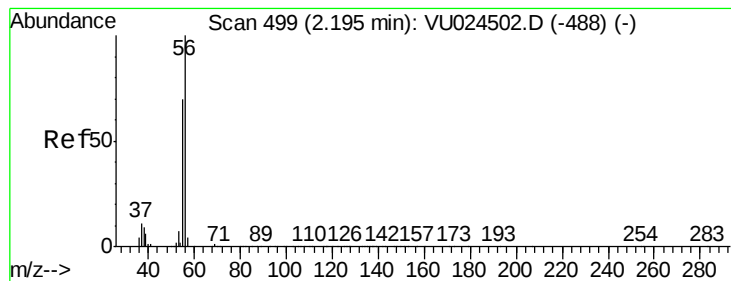


#12

1,1-Dichloroethene
Concen: 43.386 ug/l
RT: 2.25 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 96 Resp: 101522
Ion Ratio Lower Upper
96 100
61 168.7 141.7 212.5
98 63.4 51.6 77.4





#13

Acrolein

Concen: 84.172 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

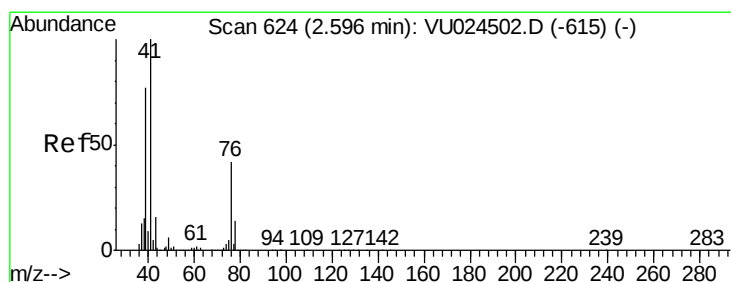
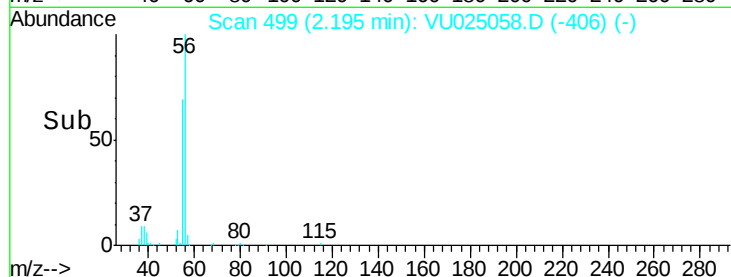
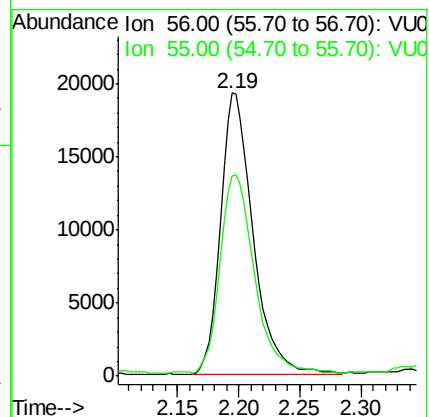
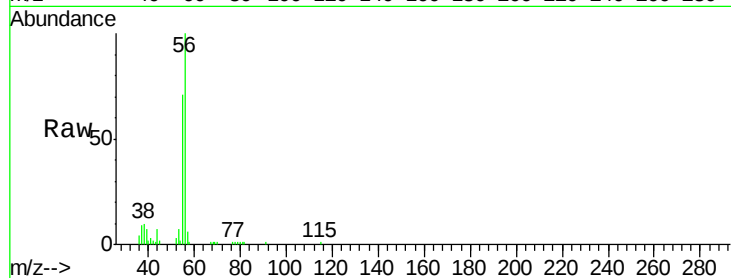
WP021SB489-21-23-180622MSD

Tgt Ion: 56 Resp: 36065

Ion Ratio Lower Upper

56 100

55 74.2 58.4 87.6



#14

Allyl chloride

Concen: 41.581 ug/l

RT: 2.57 min Scan# 617

Delta R.T. -0.02 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

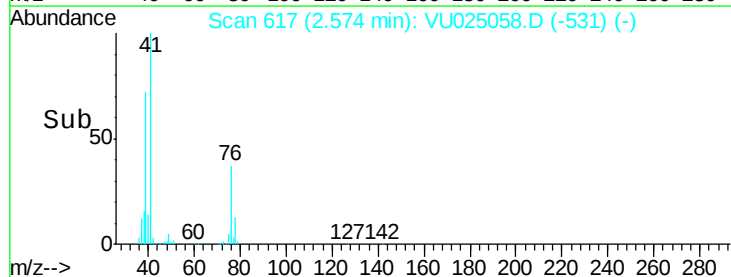
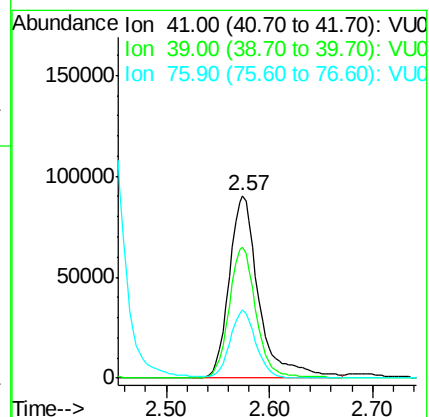
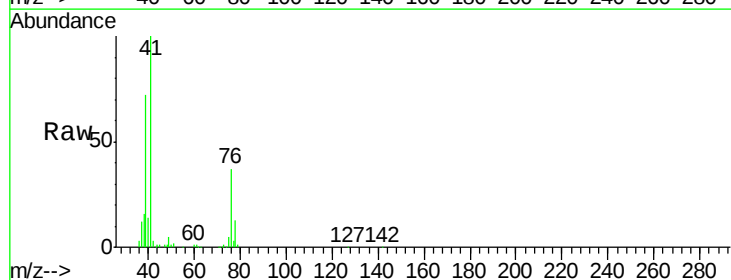
Tgt Ion: 41 Resp: 180656

Ion Ratio Lower Upper

41 100

39 65.2 61.6 92.4

76 32.9 29.7 44.5





#15

Acrylonitrile

Concen: 237.074 ug/l

RT: 2.95 min Scan# 734

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

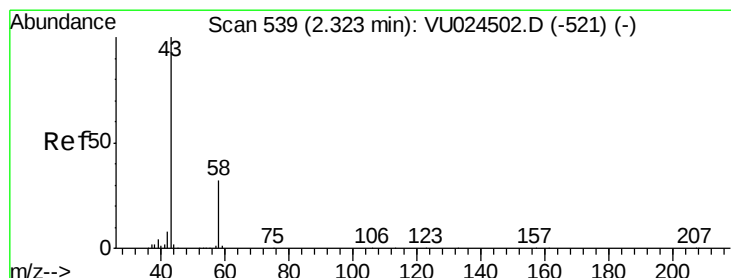
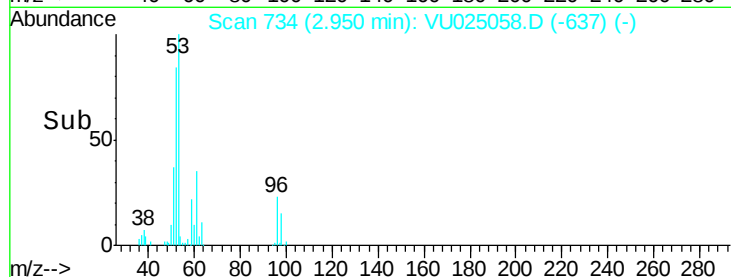
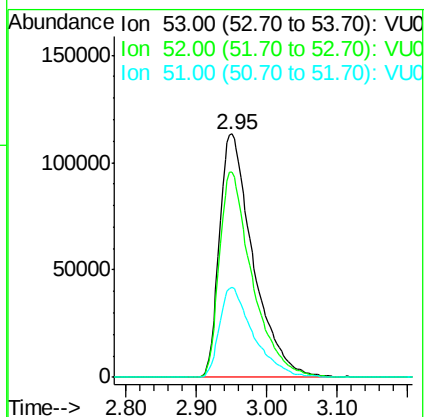
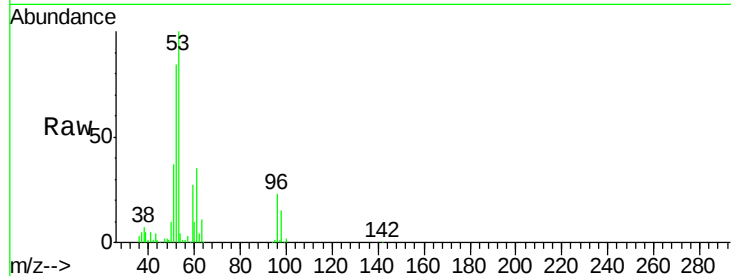
Tgt Ion: 53 Resp: 376353

Ion Ratio Lower Upper

53 100

52 82.5 67.1 100.7

51 37.4 28.4 42.6



#16

Acetone

Concen: 188.901 ug/l

RT: 2.35 min Scan# 546

Delta R.T. 0.02 min

Lab File: VU025058.D

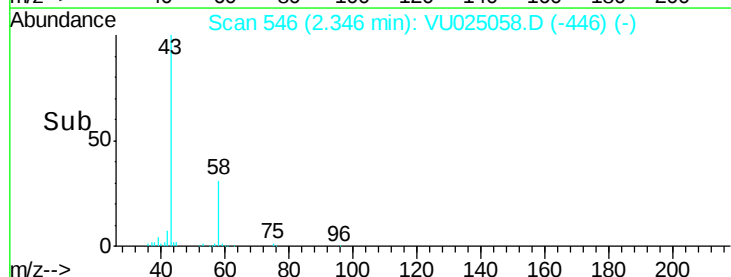
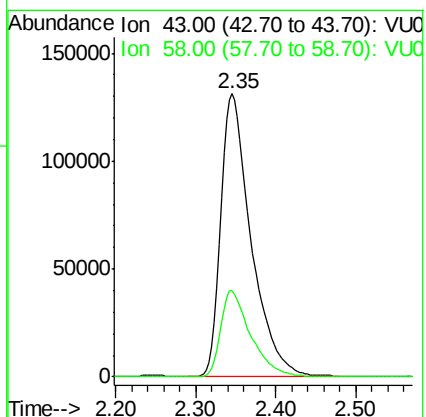
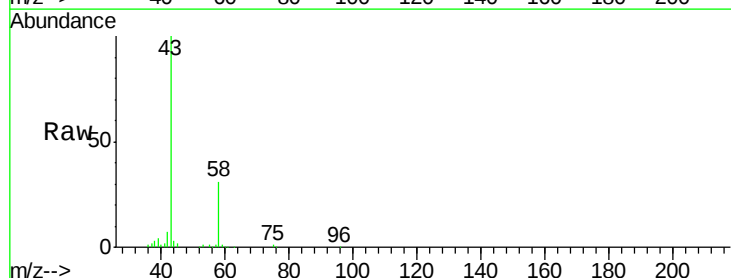
Acq: 29 Jun 2018 07:13

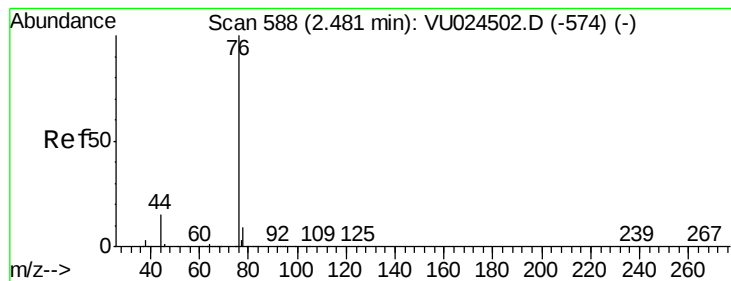
Tgt Ion: 43 Resp: 340506

Ion Ratio Lower Upper

43 100

58 30.6 24.4 36.6





#17

Carbon Disulfide

Concen: 34.978 ug/l

RT: 2.45 min Scan# 577

Delta R.T. -0.04 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

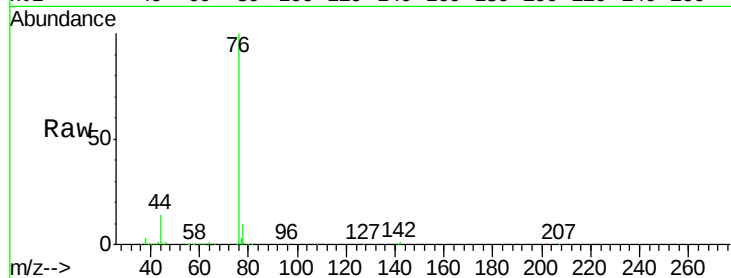
WP021SB489-21-23-180622MSD

Tgt Ion: 76 Resp: 262078

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU024502.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024502.D (-574) (-)

2.45

150000

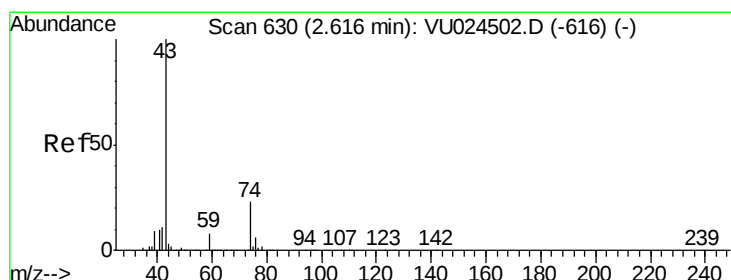
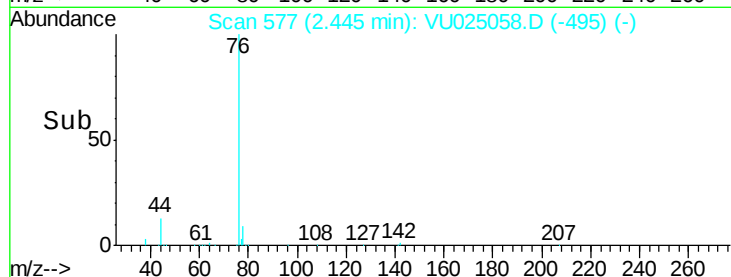
100000

50000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 60.690 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU025058.D

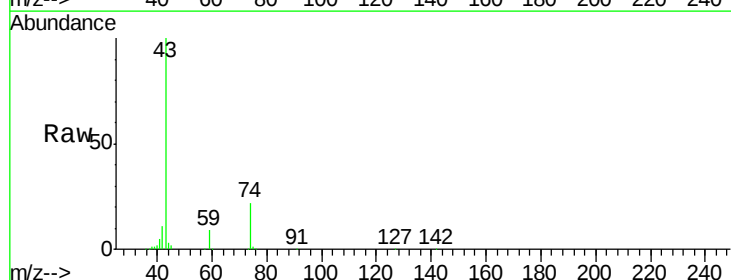
Acq: 29 Jun 2018 07:13

Tgt Ion: 43 Resp: 234527

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-616) (-)

Ion 74.00 (73.70 to 74.70): VU024502.D (-616) (-)

2.62

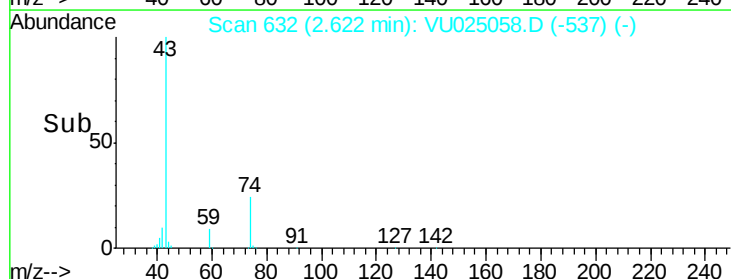
100000

50000

0

Time-->

2.50 2.60 2.70



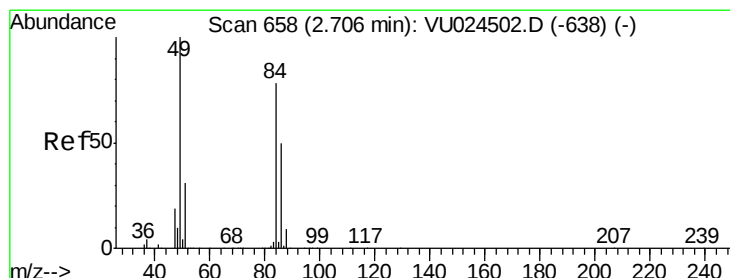
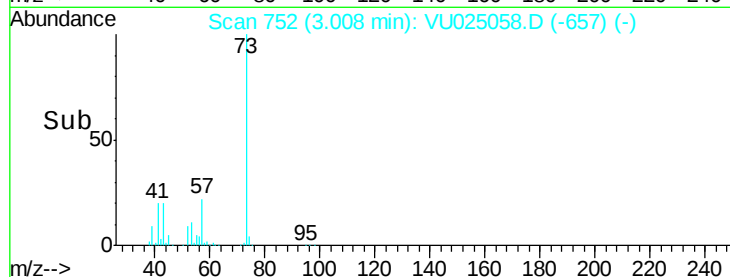
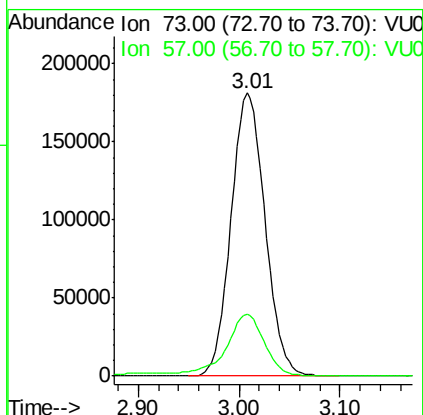
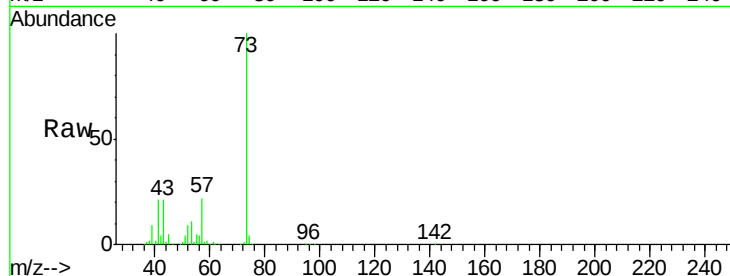


#19

Methyl tert-butyl Ether
 Concen: 48.347 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

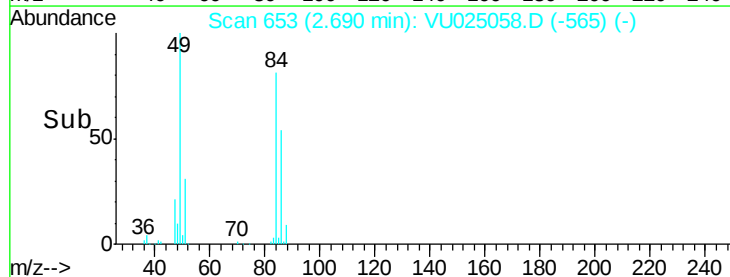
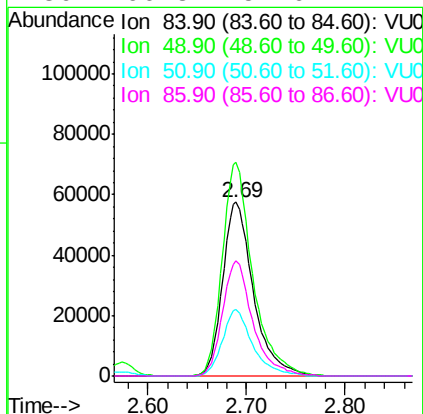
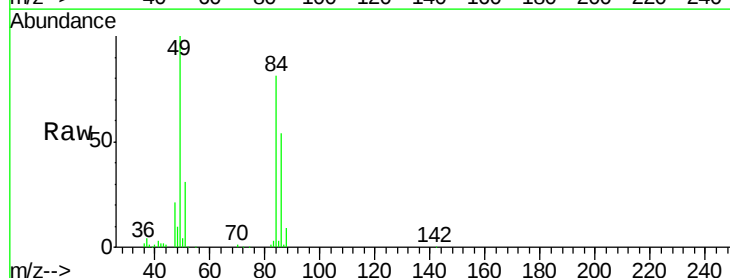
Tgt Ion: 73 Resp: 425247
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.8 28.2

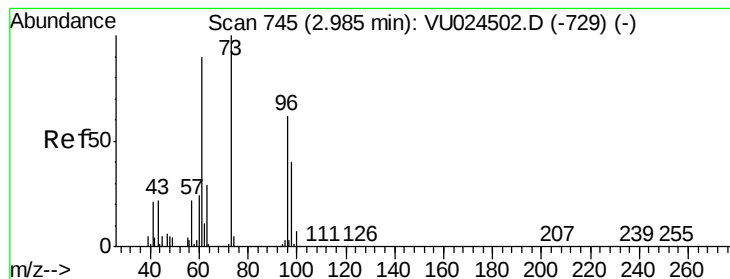


#20

Methylene Chloride
 Concen: 44.505 ug/l
 RT: 2.69 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion: 84 Resp: 125877
 Ion Ratio Lower Upper
 84 100
 49 123.1 103.8 155.8
 51 38.1 32.0 48.0
 86 66.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 43.855 ug/l

RT: 2.97 min Scan# 739

Delta R.T. -0.02 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

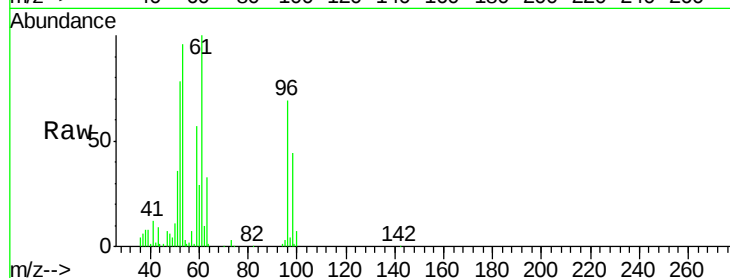
Tgt Ion: 96 Resp: 113024

Ion Ratio Lower Upper

96 100

61 145.9 119.4 179.0

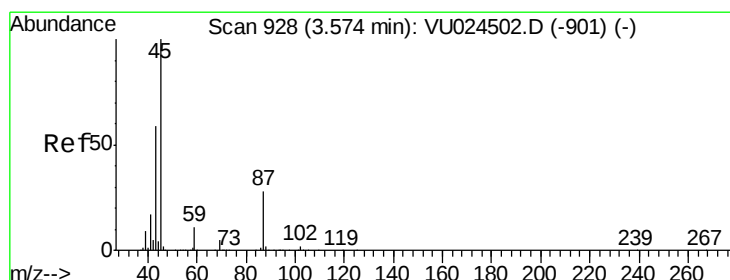
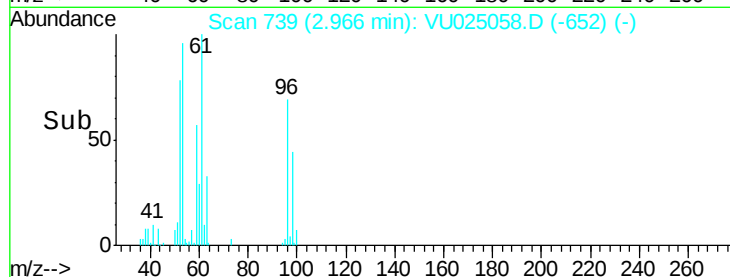
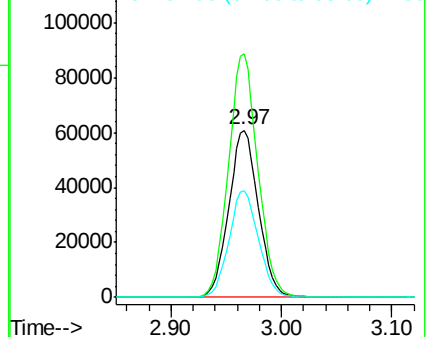
98 63.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025058.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025058.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025058.D (-652) (-)



#22

Diisopropyl ether

Concen: 46.788 ug/l

RT: 3.58 min Scan# 930

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Tgt Ion: 45 Resp: 402971

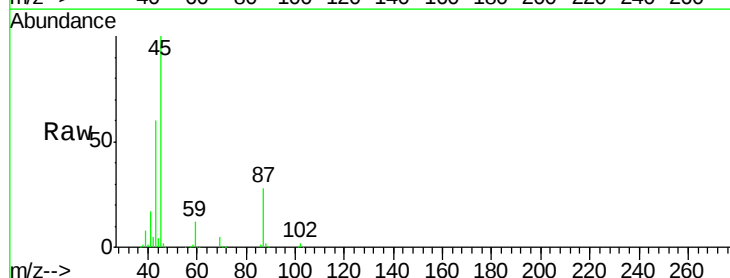
Ion Ratio Lower Upper

45 100

43 59.6 45.8 68.6

87 28.4 20.6 31.0

59 11.7 9.4 14.0

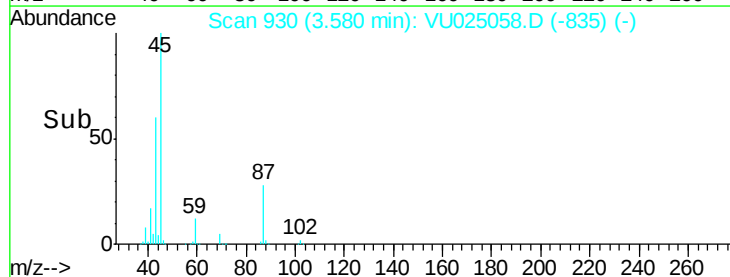
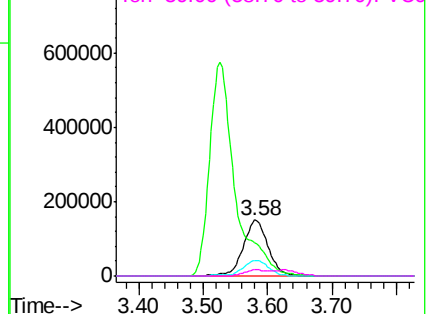


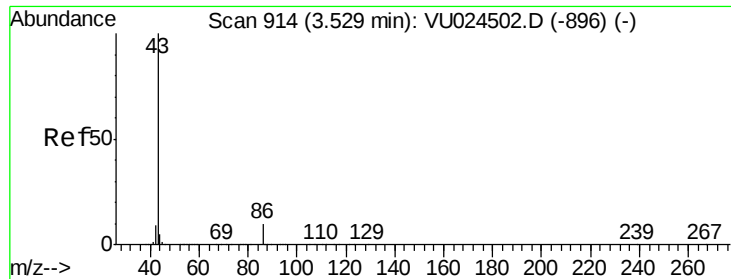
Abundance Ion 45.00 (44.70 to 45.70): VU025058.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU025058.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU025058.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU025058.D (-835) (-)





#23

Vinyl Acetate

Concen: 205.058 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

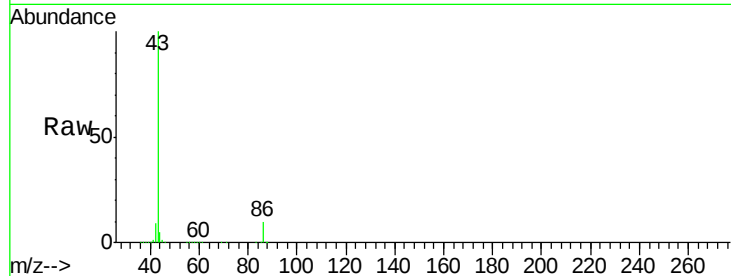
WP021SB489-21-23-180622MSD

Tgt Ion: 43 Resp: 1582044

Ion Ratio Lower Upper

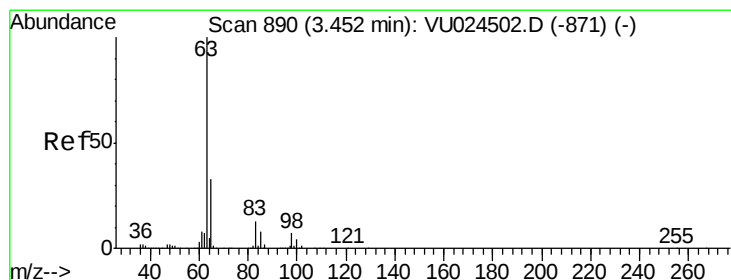
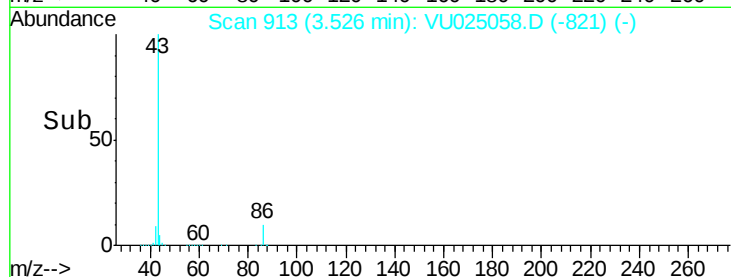
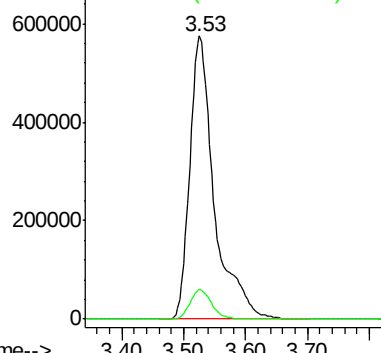
43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 45.797 ug/l

RT: 3.44 min Scan# 885

Delta R.T. -0.02 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

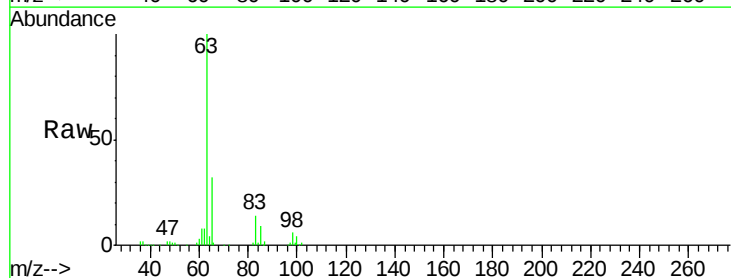
Tgt Ion: 63 Resp: 226904

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

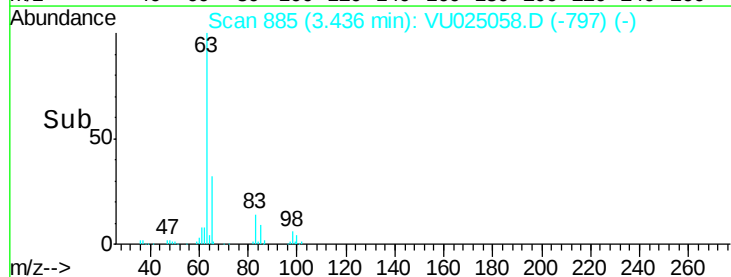
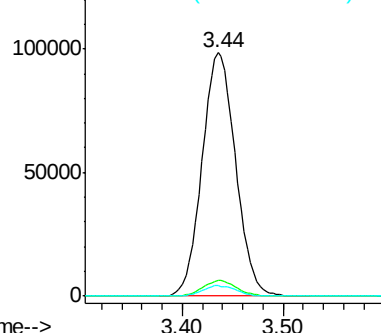
100 4.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 207.261 ug/l

RT: 4.28 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

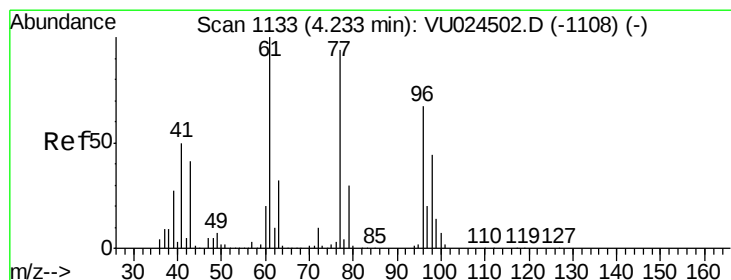
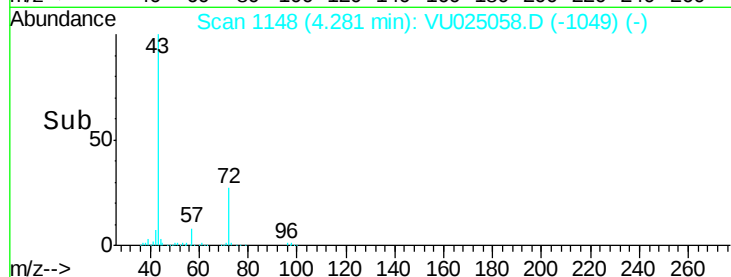
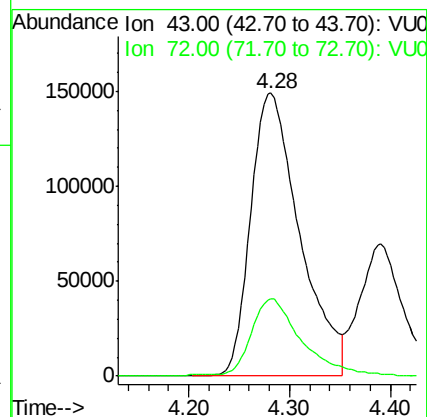
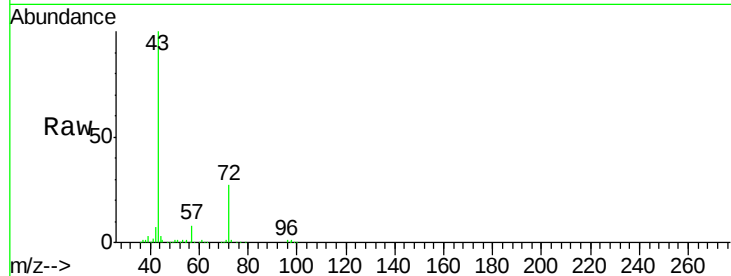
WP021SB489-21-23-180622MSD

Tgt Ion: 43 Resp: 501831

Ion Ratio Lower Upper

43 100

72 26.9 19.6 29.4



#26

2,2-Dichloropropane

Concen: 28.091 ug/l

RT: 4.22 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VU025058.D

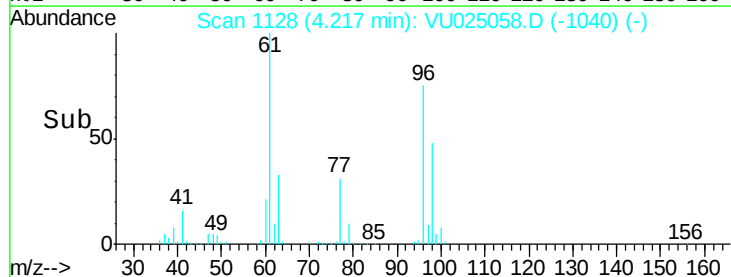
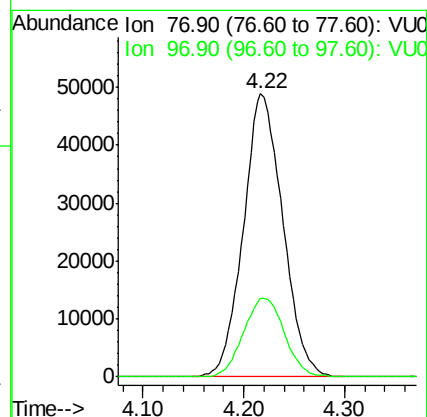
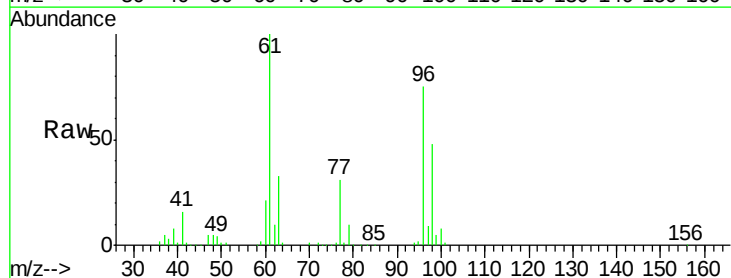
Acq: 29 Jun 2018 07:13

Tgt Ion: 77 Resp: 132157

Ion Ratio Lower Upper

77 100

97 29.0 11.3 33.8

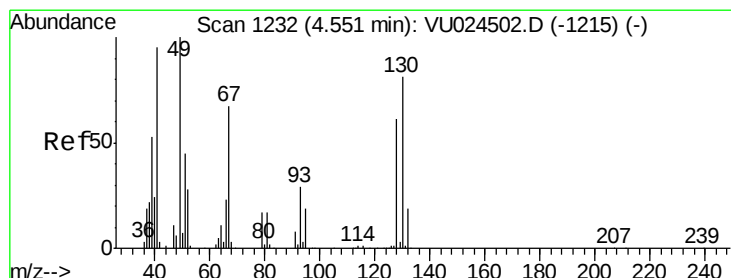
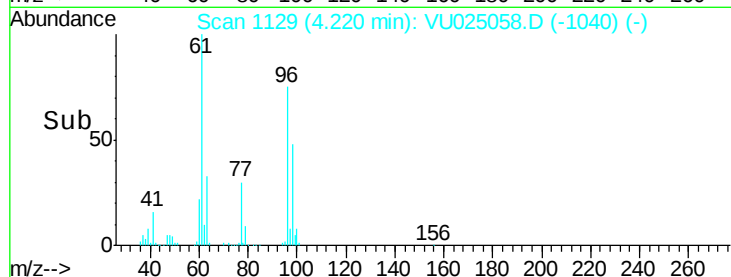
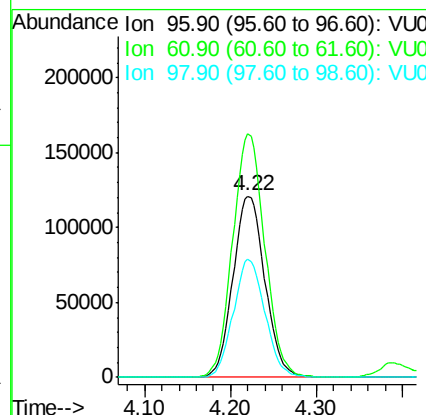
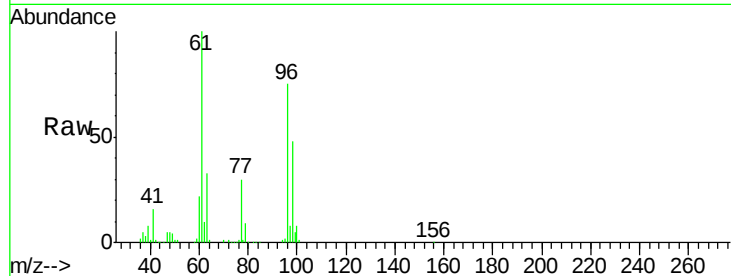




#27
 cis-1,2-Dichloroethene
 Concen: 105.219 ug/l
 RT: 4.22 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

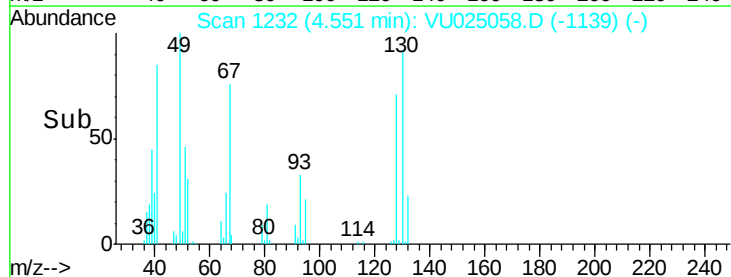
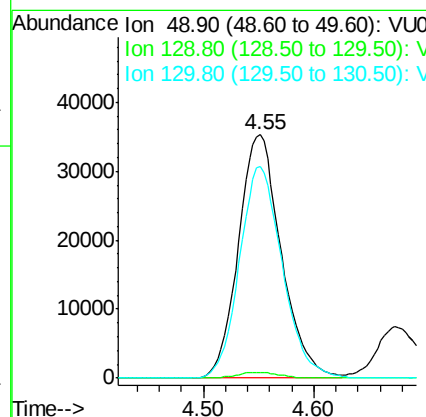
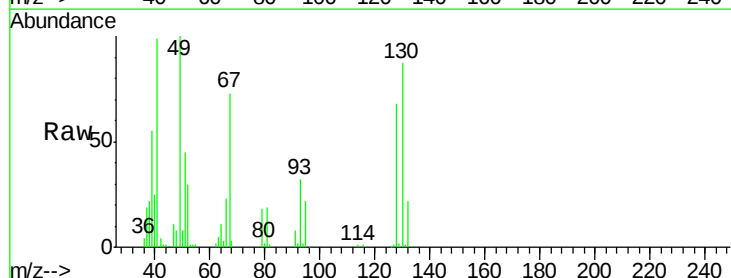
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

Tgt Ion: 96 Resp: 311756
 Ion Ratio Lower Upper
 96 100
 61 135.4 0.0 306.6
 98 64.6 0.0 128.8



#28
 Bromochloromethane
 Concen: 43.442 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion: 49 Resp: 94805
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 3.8
 130 87.0 57.8 86.6#





#29

Tetrahydrofuran

Concen: 224.499 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

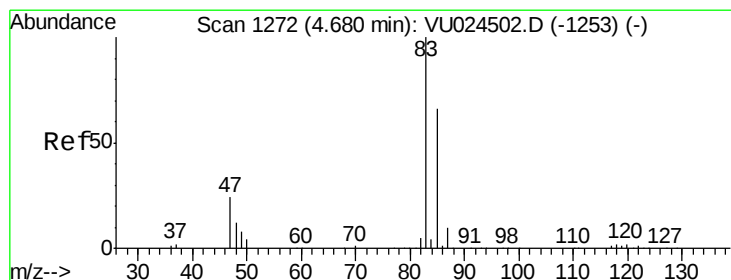
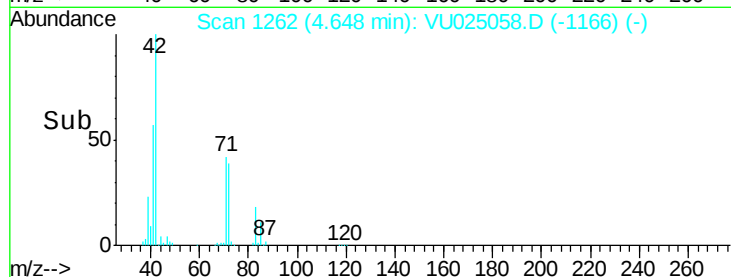
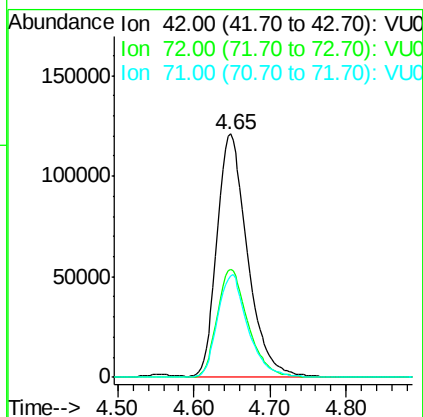
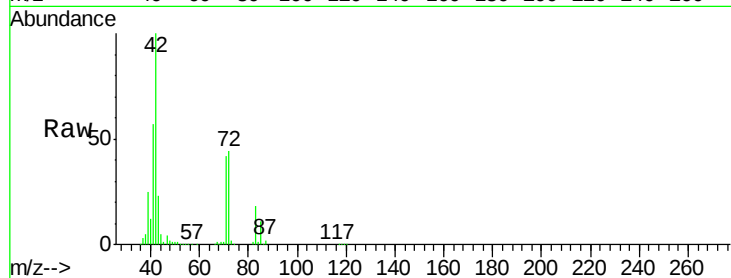
Tgt Ion: 42 Resp: 336614

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

71 42.1 32.2 48.4



#30

Chloroform

Concen: 47.687 ug/l

RT: 4.67 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VU025058.D

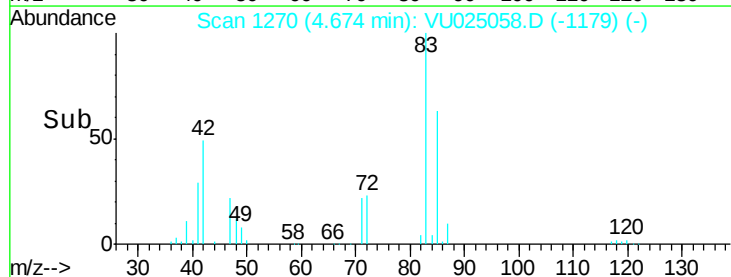
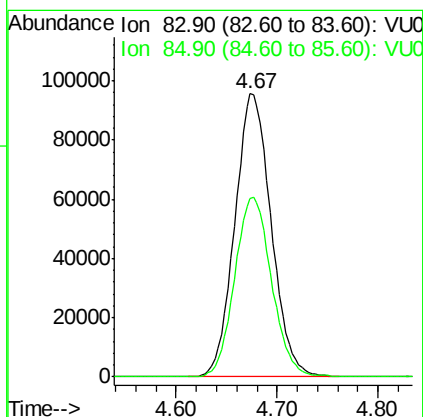
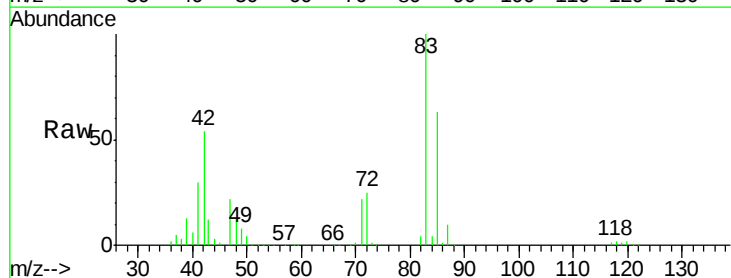
Acq: 29 Jun 2018 07:13

Tgt Ion: 83 Resp: 239144

Ion Ratio Lower Upper

83 100

85 63.1 52.4 78.6

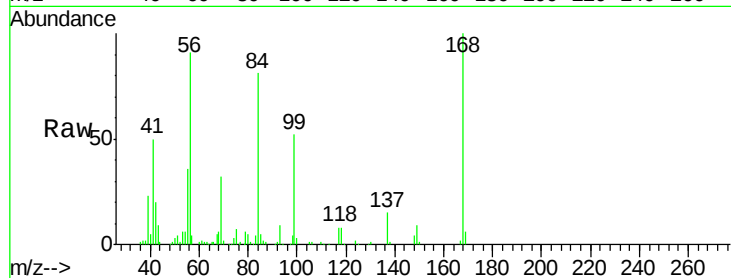




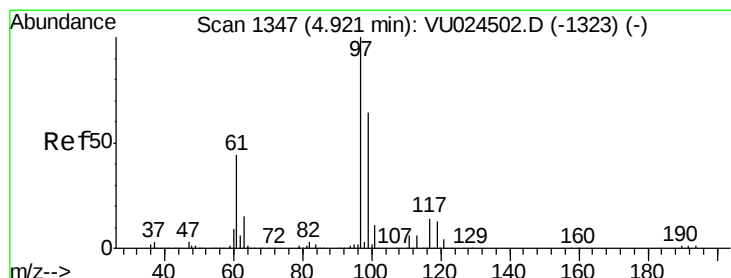
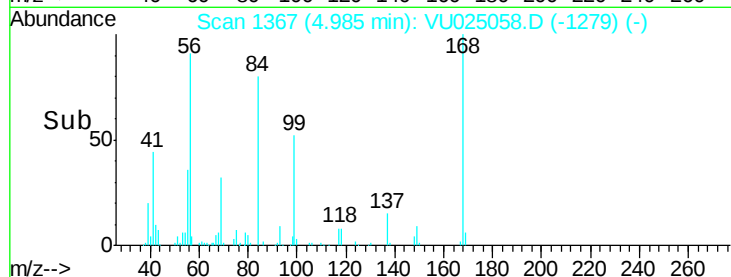
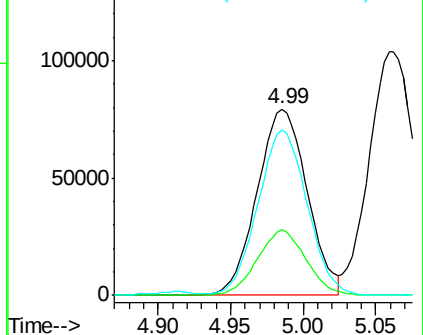
#31
Cyclohexane
Concen: 43.067 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

Tgt Ion: 56 Resp: 190691
Ion Ratio Lower Upper
56 100
69 35.0 24.8 37.2
84 87.1 65.2 97.8

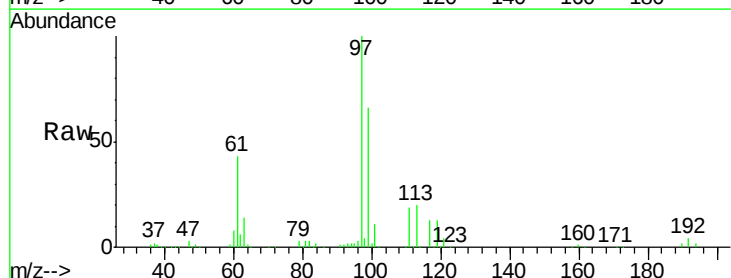


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

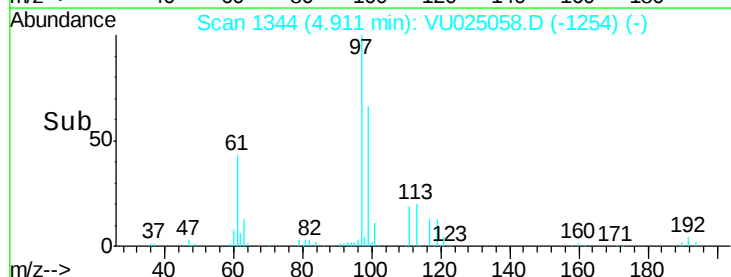
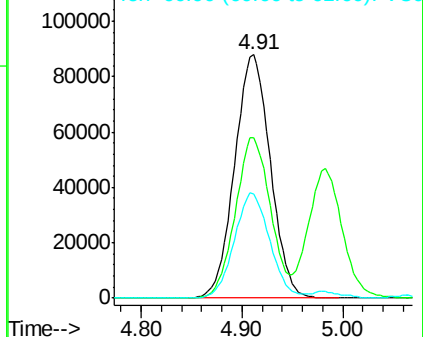


#32
1,1,1-Trichloroethane
Concen: 46.540 ug/l
RT: 4.91 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 97 Resp: 215822
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.6
61 42.8 39.4 59.0



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

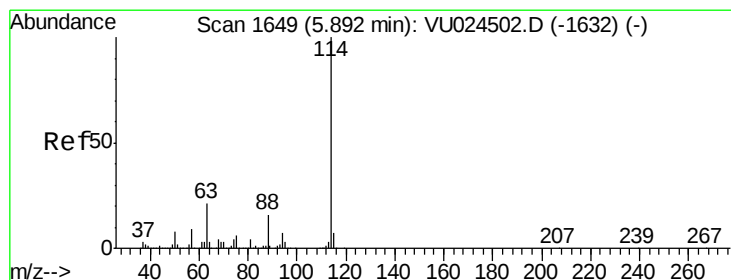
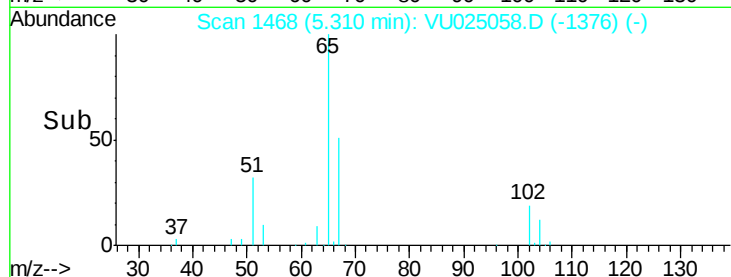
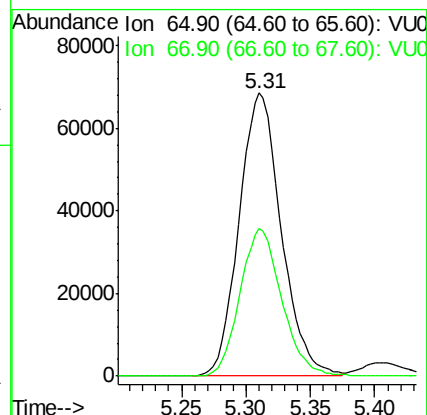
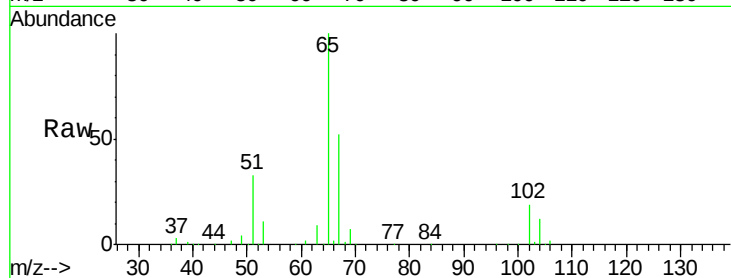




#33
 1,2-Dichloroethane-d4
 Concen: 46.476 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

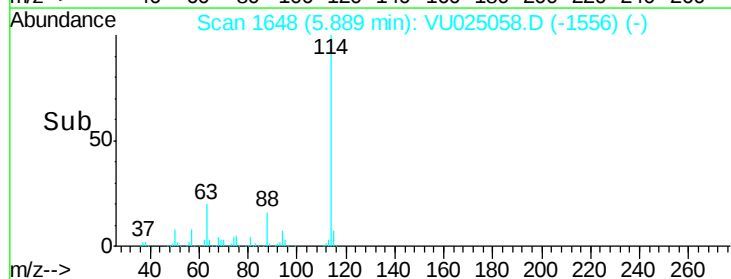
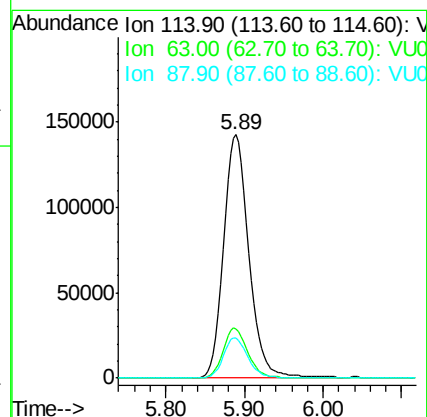
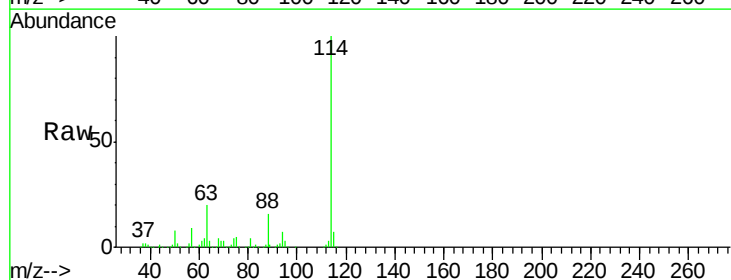
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

Tgt Ion: 65 Resp: 155922
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion: 114 Resp: 316003
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 45.4
 88 16.4 0.0 31.0

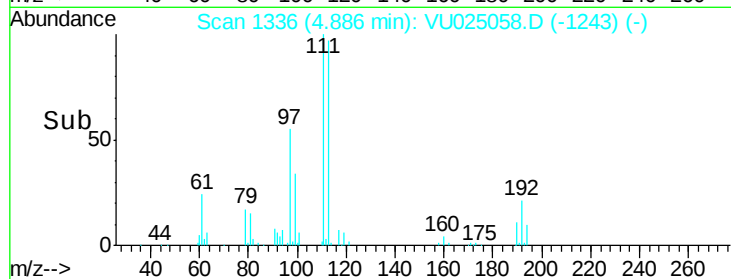
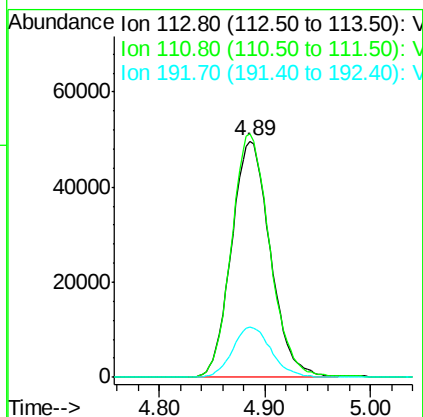
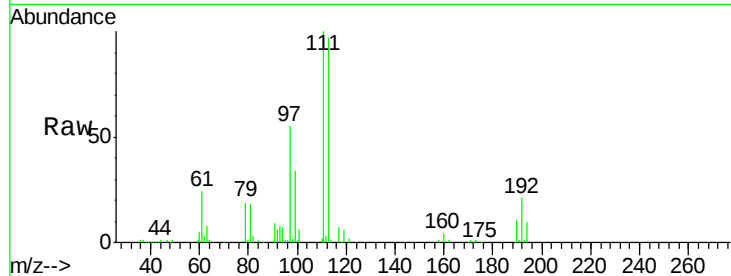




#35
 Dibromofluoromethane
 Concen: 48.443 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

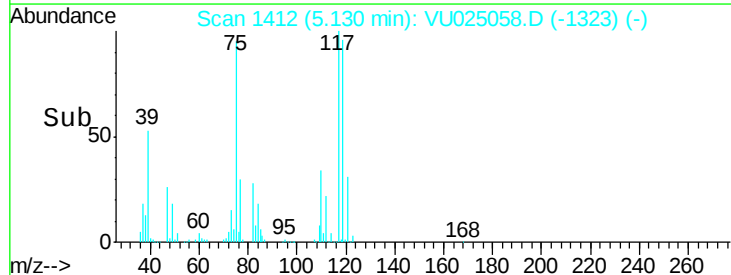
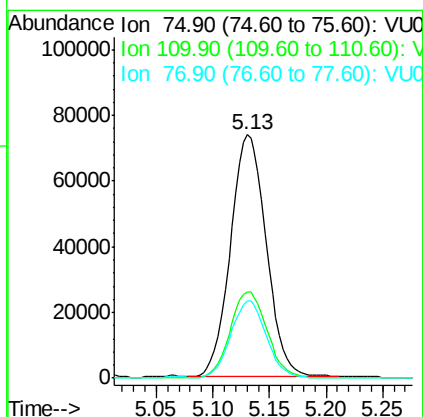
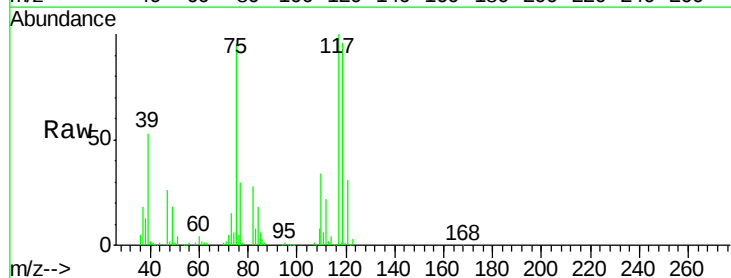
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

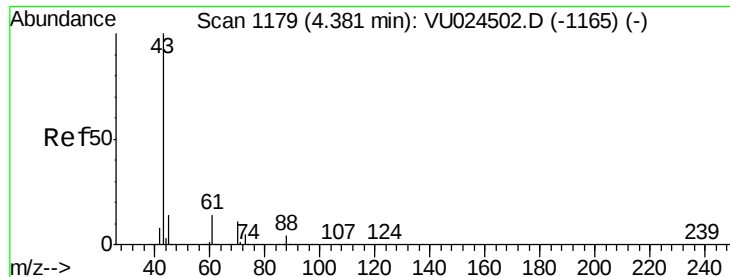
Tgt Ion:113 Resp: 127046
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.4
 192 21.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 43.748 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion: 75 Resp: 162448
 Ion Ratio Lower Upper
 75 100
 110 36.9 17.0 50.9
 77 31.2 24.2 36.4

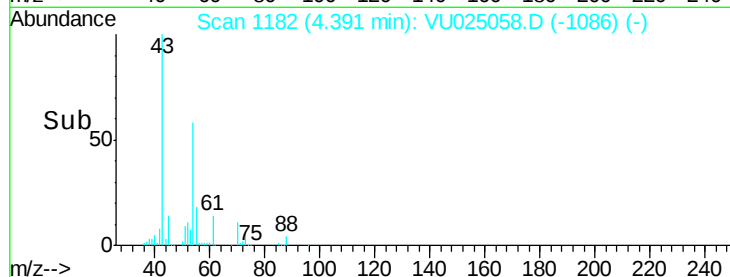
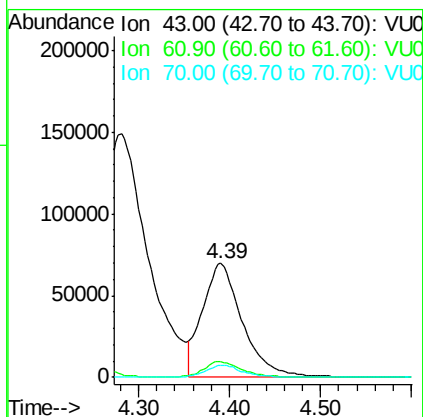
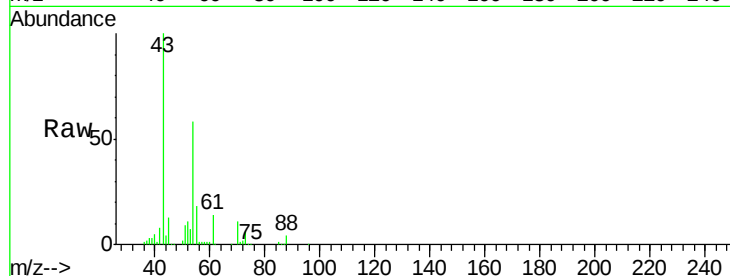




#37
Ethyl Acetate
Concen: 51.671 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

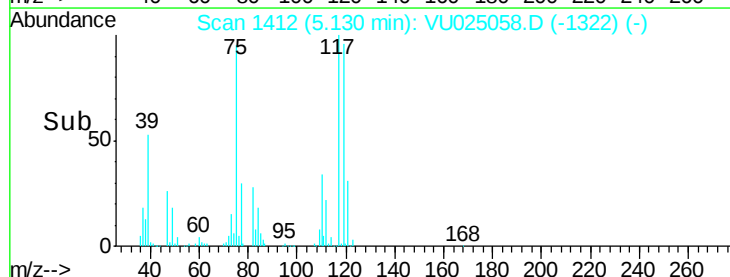
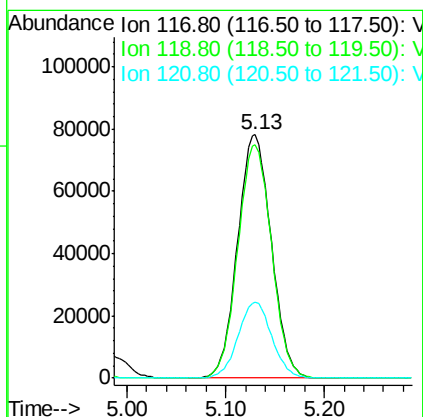
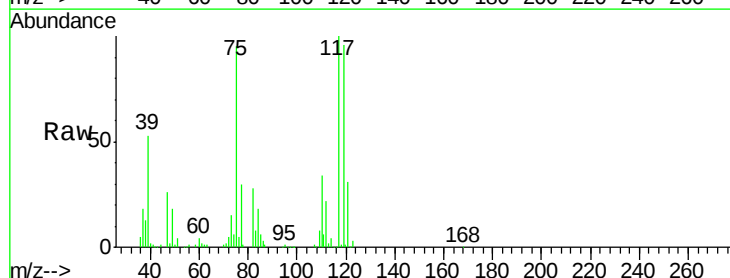
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

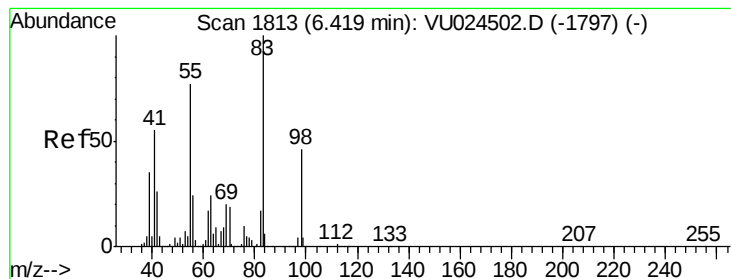
Tgt Ion: 43 Resp: 209123
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 10.1 7.4 11.2



#38
Carbon Tetrachloride
Concen: 45.345 ug/l
RT: 5.13 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 117 Resp: 185161
Ion Ratio Lower Upper
117 100
119 96.1 76.1 114.1
121 31.1 23.7 35.5





#39

Methylcyclohexane

Concen: 41.051 ug/l

RT: 6.41 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

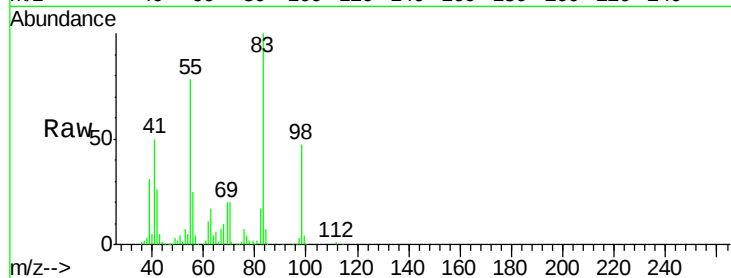
Tgt Ion: 83 Resp: 190227

Ion Ratio Lower Upper

83 100

55 78.1 65.8 98.6

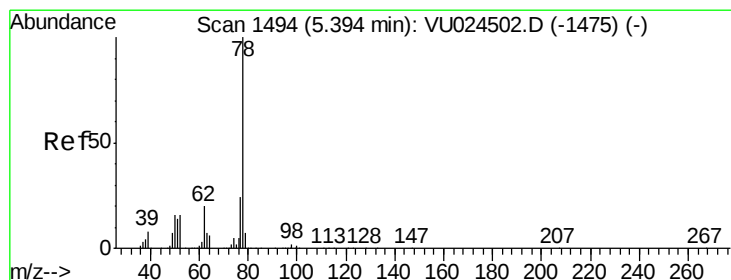
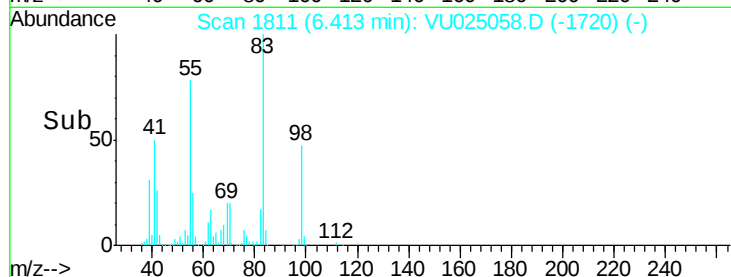
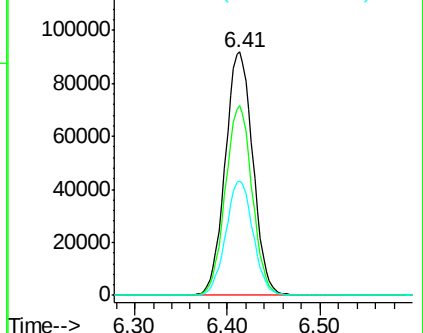
98 47.2 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 46.436 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VU025058.D

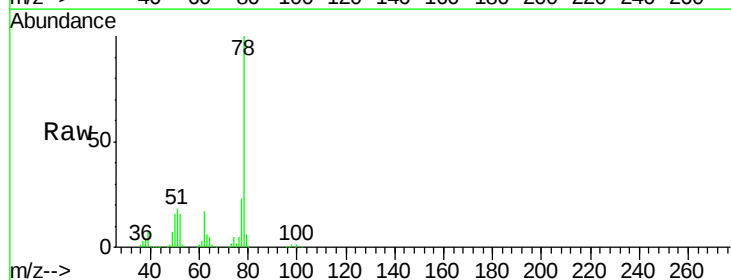
Acq: 29 Jun 2018 07:13

Tgt Ion: 78 Resp: 491332

Ion Ratio Lower Upper

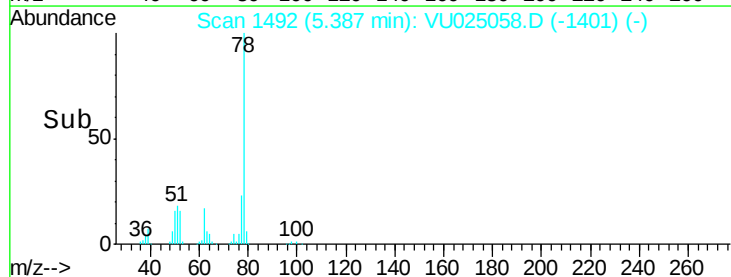
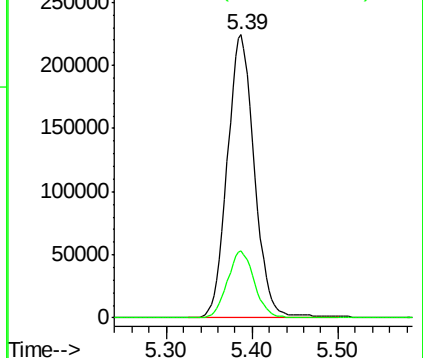
78 100

77 23.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 47.894 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

Tgt Ion: 41 Resp: 104509

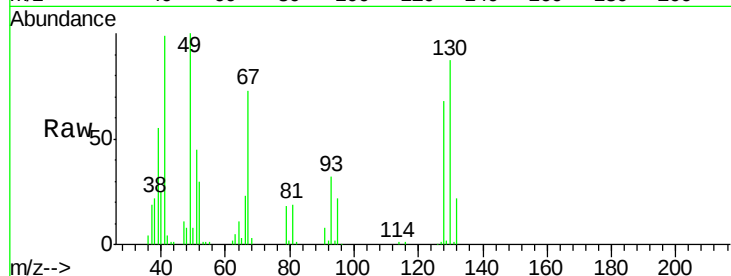
Ion Ratio Lower Upper

41 100

39 55.2 43.8 65.6

67 77.1 56.3 84.5

52 29.6 23.2 34.8

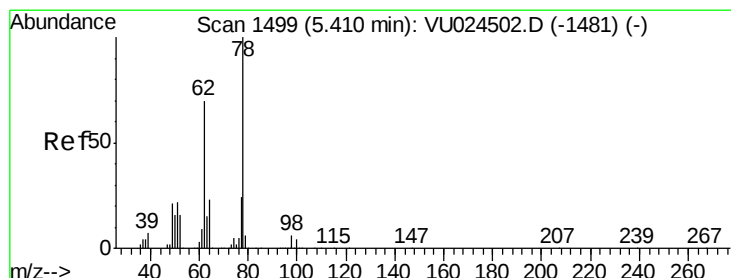
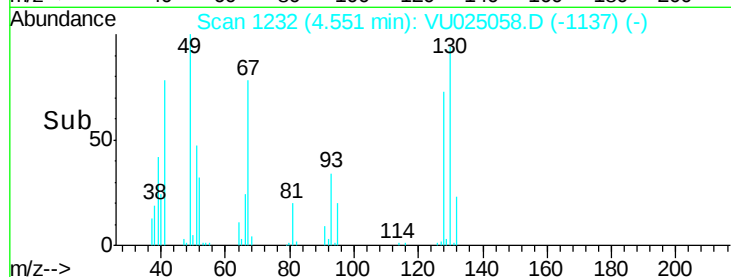
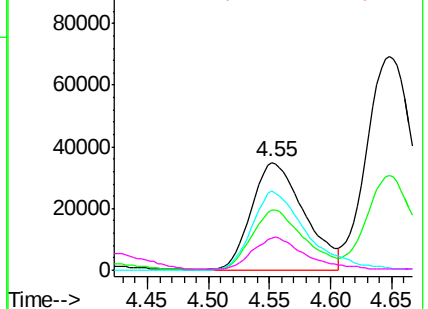


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 49.401 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025058.D

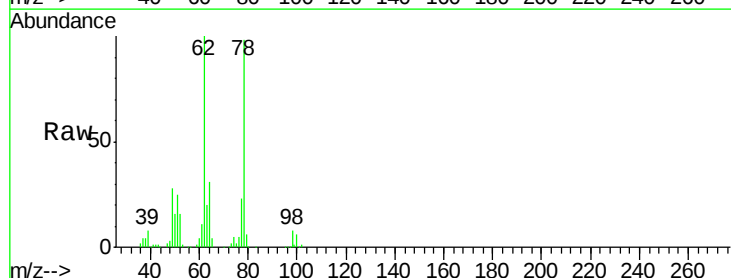
Acq: 29 Jun 2018 07:13

Tgt Ion: 62 Resp: 199077

Ion Ratio Lower Upper

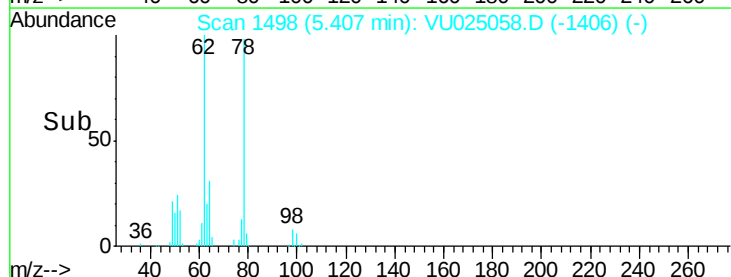
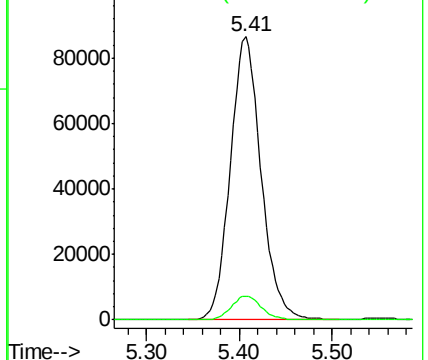
62 100

98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

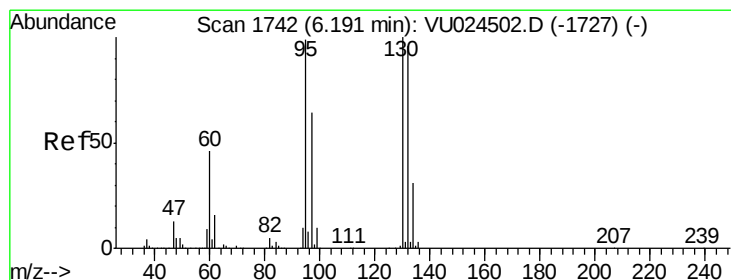
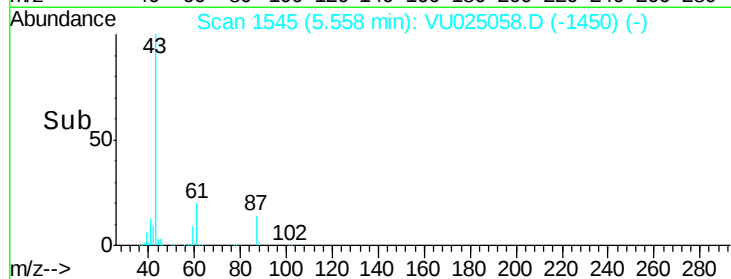
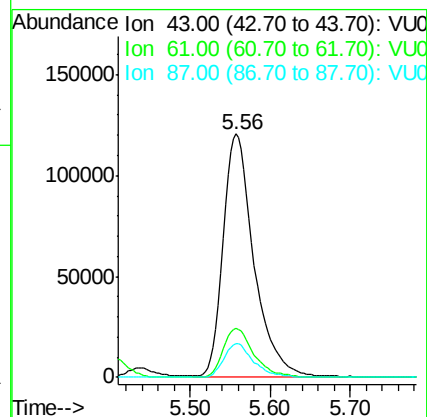
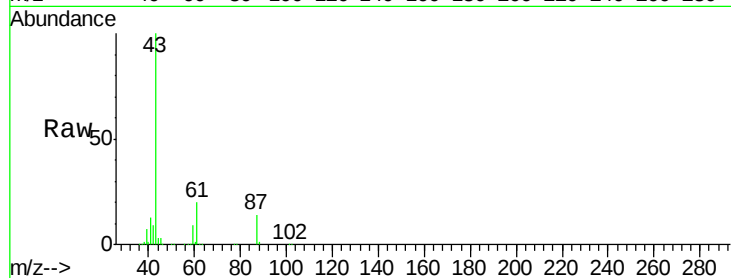




#43
Isopropyl Acetate
Concen: 45.491 ug/l
RT: 5.56 min Scan# 1545
Delta R.T. 0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

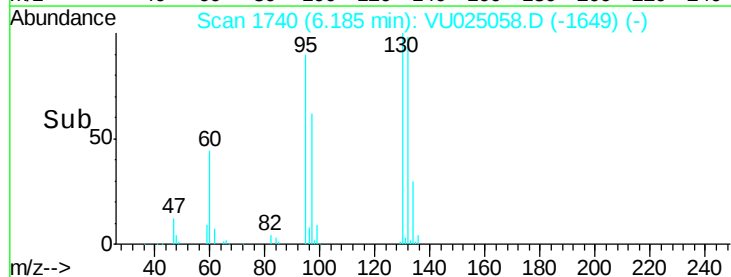
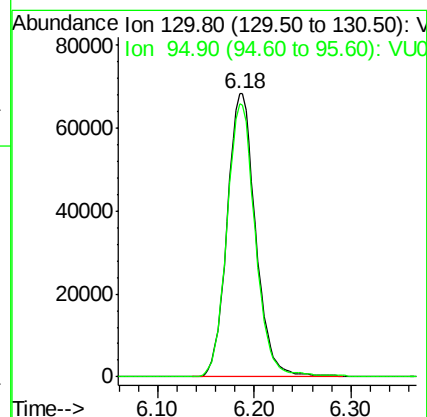
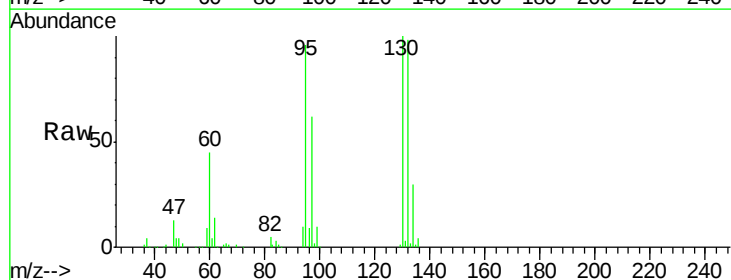
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

Tgt Ion: 43 Resp: 318242
Ion Ratio Lower Upper
43 100
61 20.1 15.4 23.0
87 13.4 10.0 15.0



#44
Trichloroethene
Concen: 46.333 ug/l
RT: 6.18 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 130 Resp: 139522
Ion Ratio Lower Upper
130 100
95 96.3 0.0 202.4





#45

1,2-Dichloropropane

Concen: 47.699 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

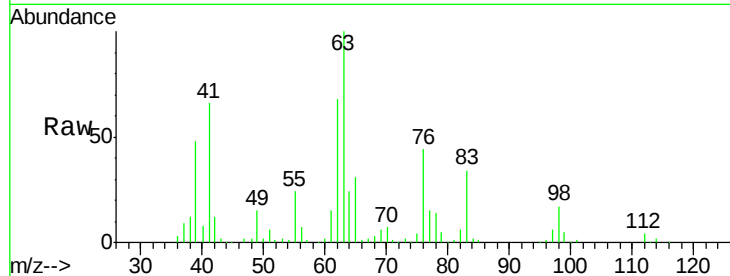
WP021SB489-21-23-180622MSD

Tgt Ion: 63 Resp: 134664

Ion Ratio Lower Upper

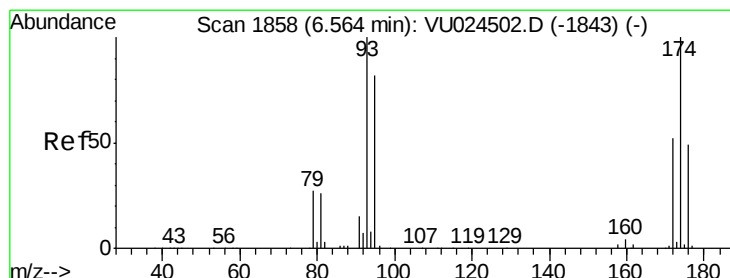
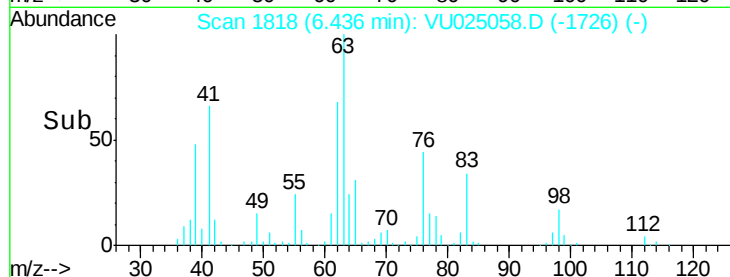
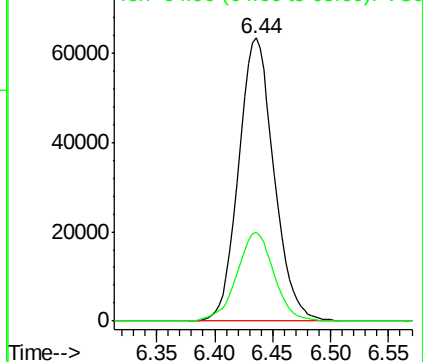
63 100

65 31.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 48.451 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

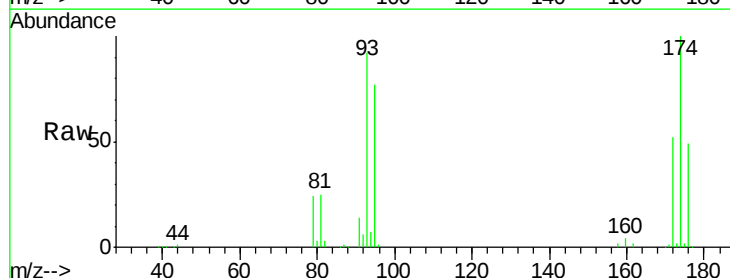
Tgt Ion: 93 Resp: 96081

Ion Ratio Lower Upper

93 100

95 81.7 65.5 98.3

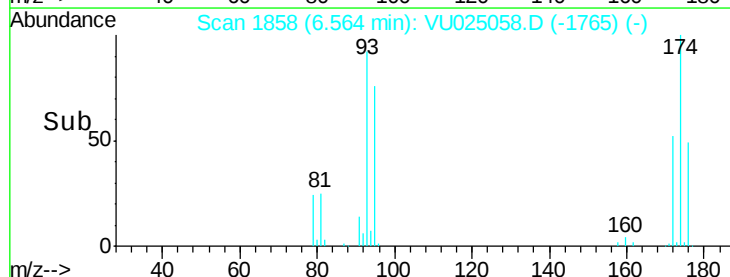
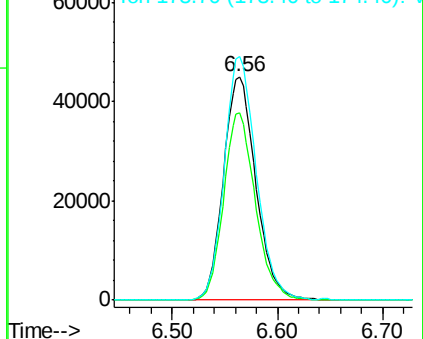
174 107.2 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.910 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

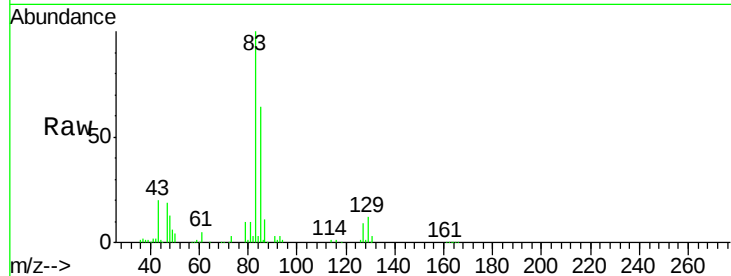
Tgt Ion: 83 Resp: 185239

Ion Ratio Lower Upper

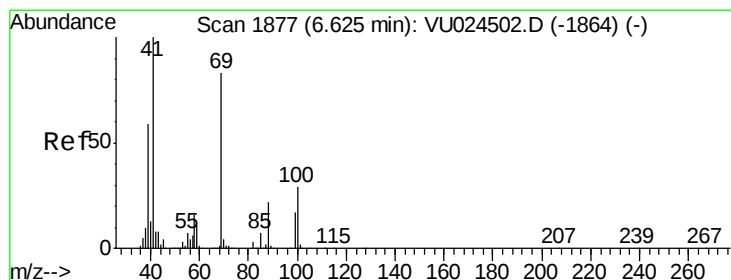
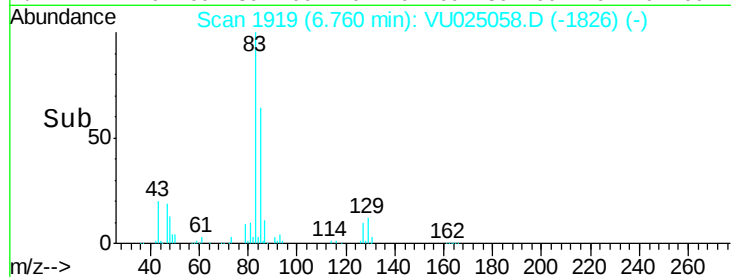
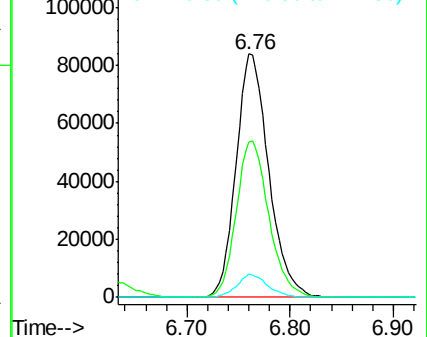
83 100

85 64.0 51.9 77.9

127 9.4 6.6 9.8



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



#48

Methyl methacrylate

Concen: 47.780 ug/l

RT: 6.63 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

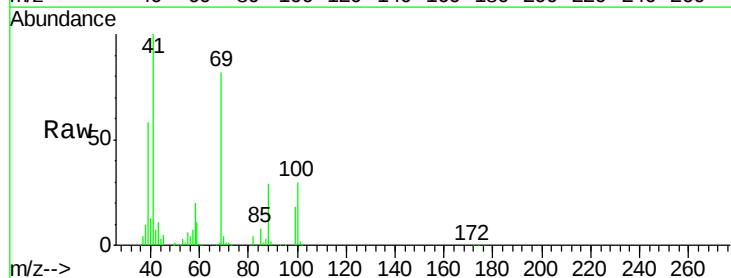
Tgt Ion: 41 Resp: 162763

Ion Ratio Lower Upper

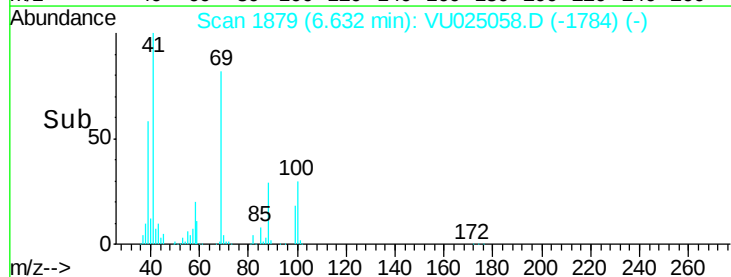
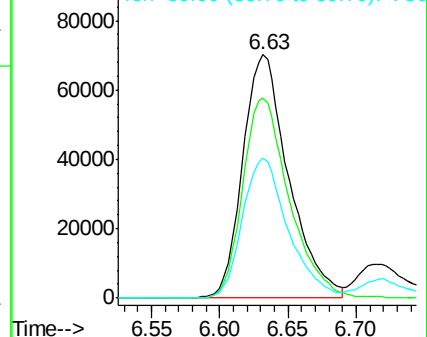
41 100

69 83.8 67.3 100.9

39 57.7 46.5 69.7



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

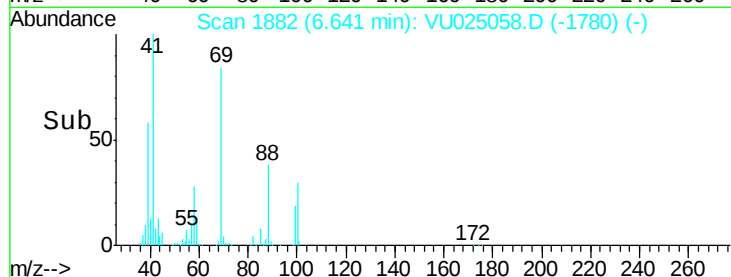
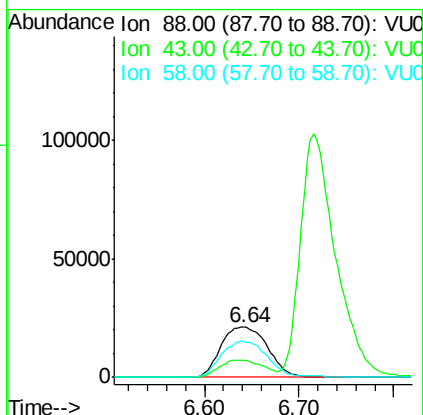
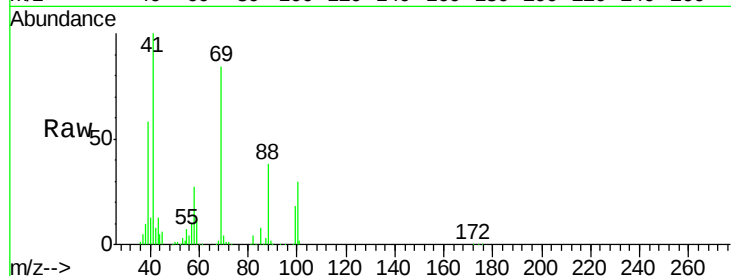




#49
1,4-Dioxane
Concen: 1080.143 ug/l
RT: 6.64 min Scan# 1882
Delta R.T. 0.03 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

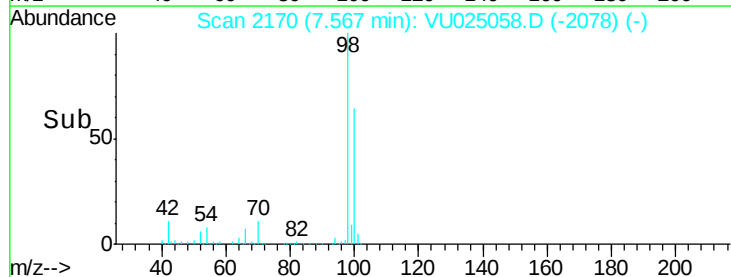
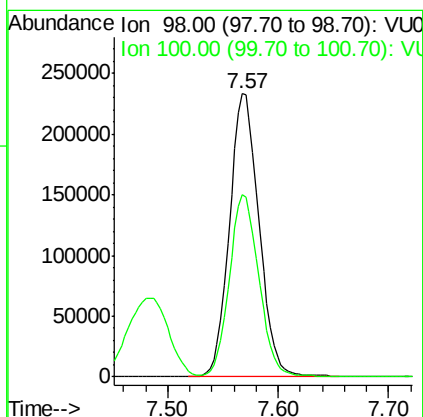
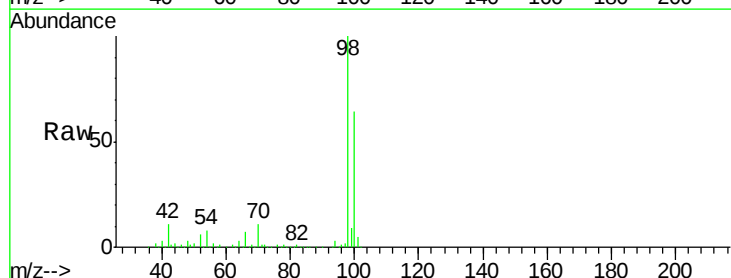
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

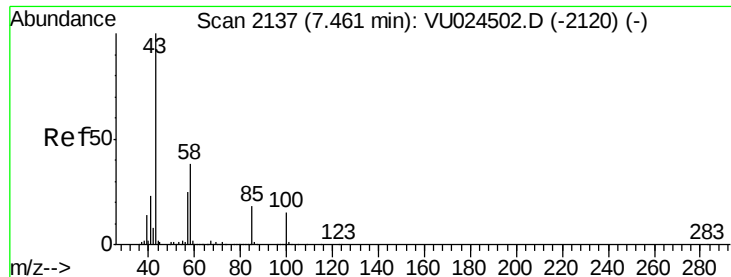
Tgt Ion: 88 Resp: 71958
Ion Ratio Lower Upper
88 100
43 32.0 28.6 42.8
58 70.8 58.2 87.4



#50
Toluene-d8
Concen: 45.425 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 98 Resp: 434539
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7

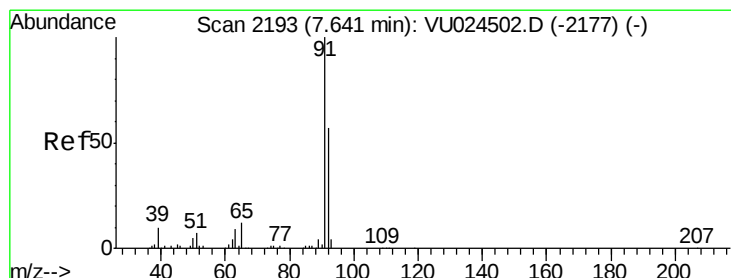
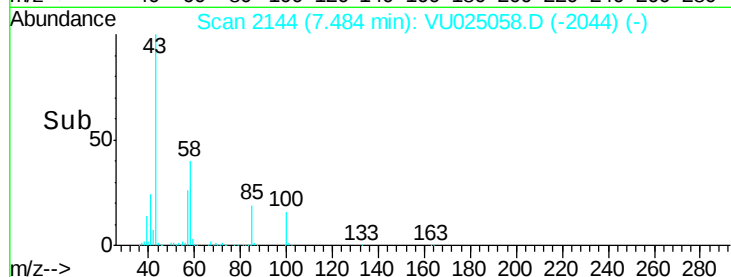
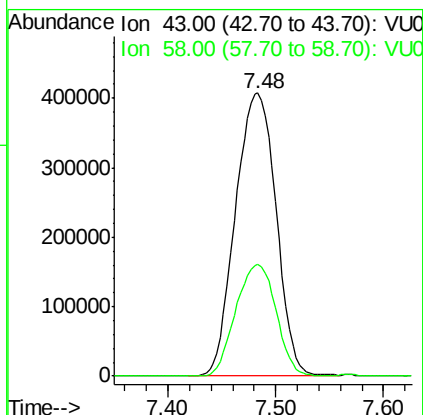
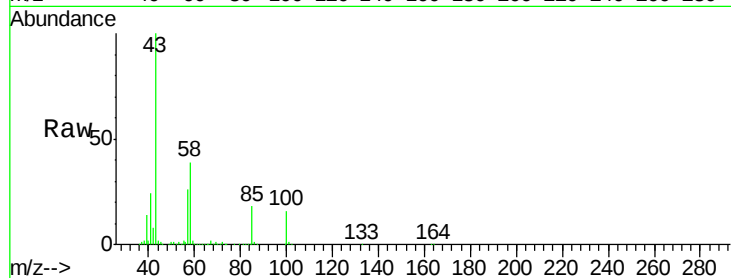




#51
 4-Methyl-2-Pentanone
 Concen: 242.798 ug/l
 RT: 7.48 min Scan# 2144
 Delta R.T. 0.02 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

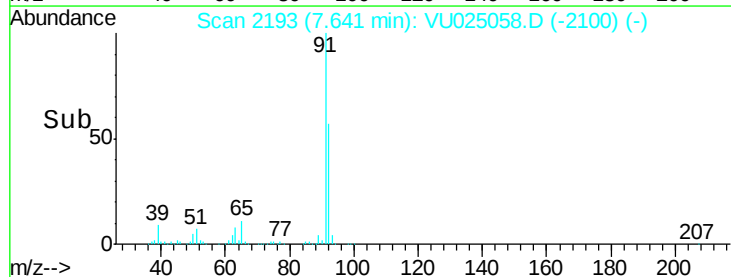
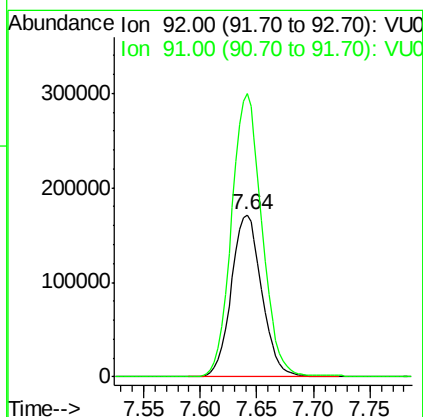
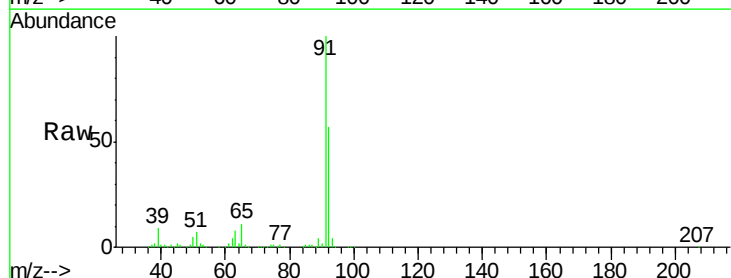
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

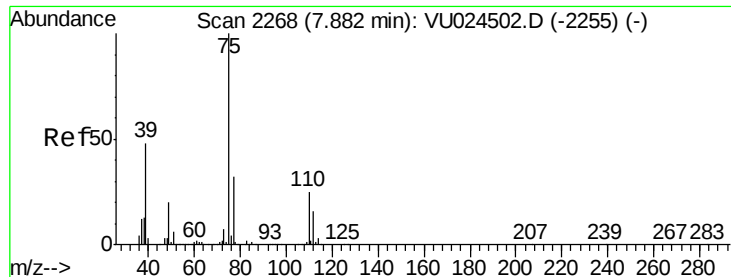
Tgt Ion: 43 Resp: 1067123
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.0 45.0



#52
 Toluene
 Concen: 47.294 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion: 92 Resp: 321942
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.5 210.7

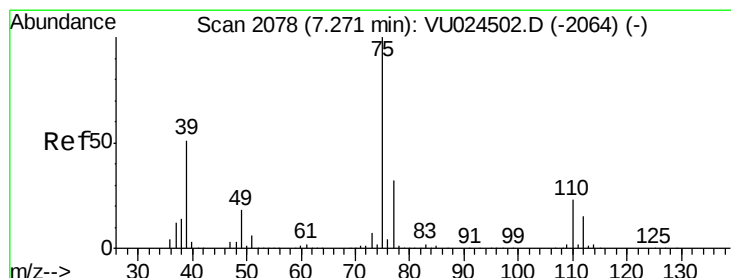
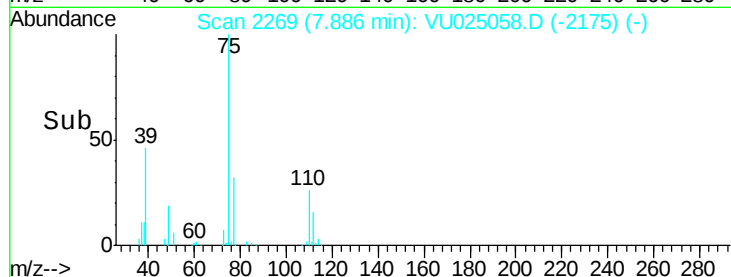
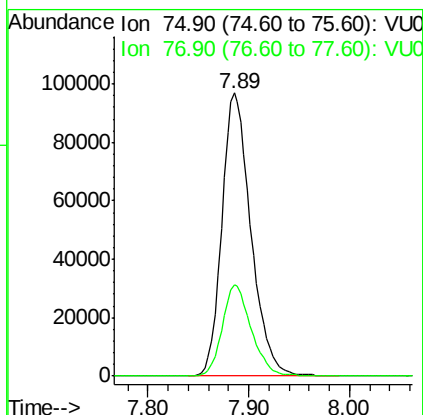
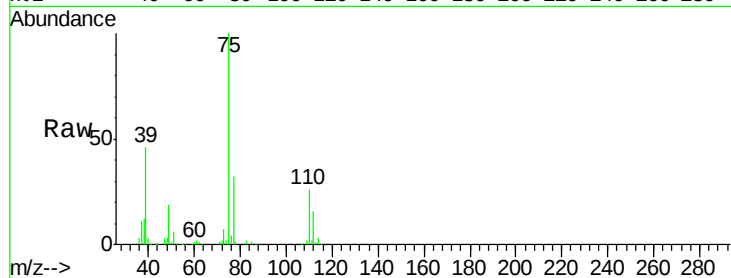




#53
t-1,3-Dichloropropene
Concen: 43.801 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

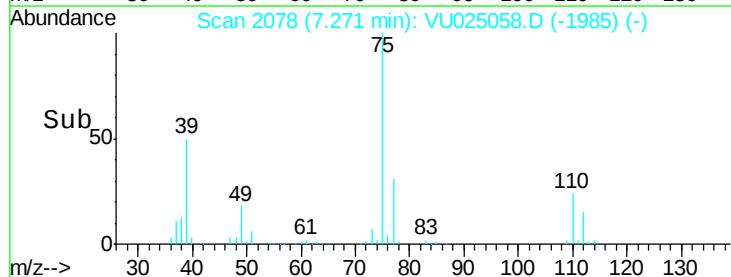
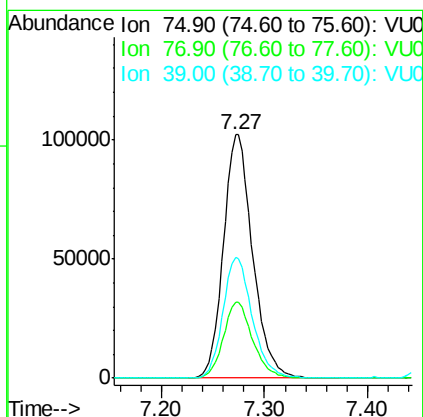
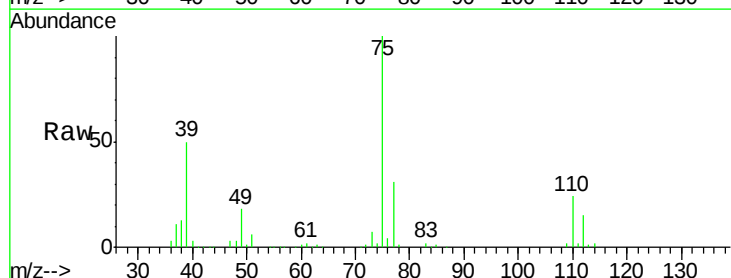
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

Tgt Ion: 75 Resp: 194237
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 42.600 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 75 Resp: 201297
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8
39 49.6 39.8 59.6

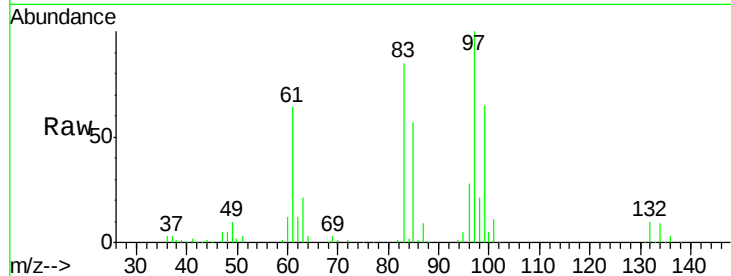




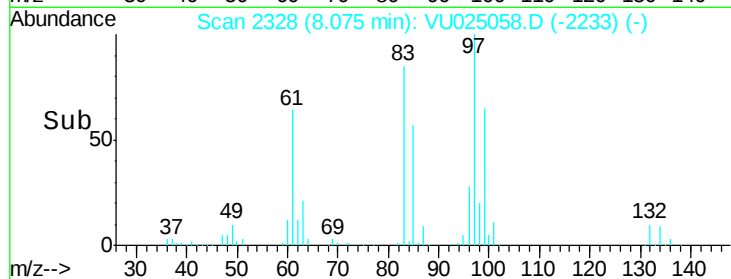
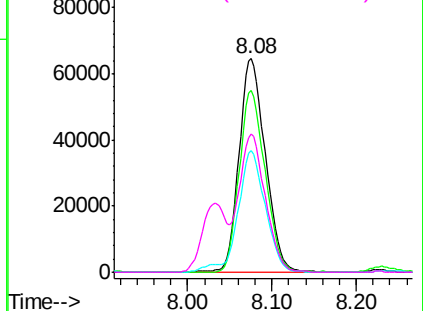
#55
 1,1,2-Trichloroethane
 Concen: 50.769 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

Tgt Ion:	97	Resp:	140484
Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.5	105.7
85	57.1	46.4	69.6
99	64.9	50.2	75.2

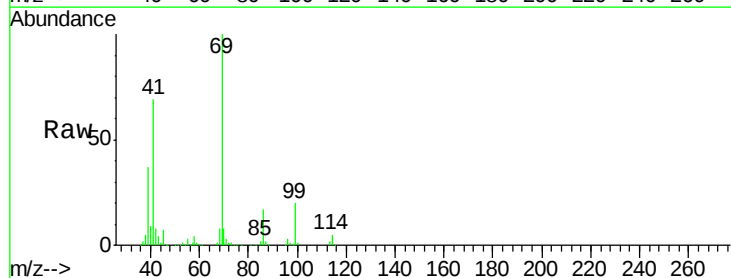


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

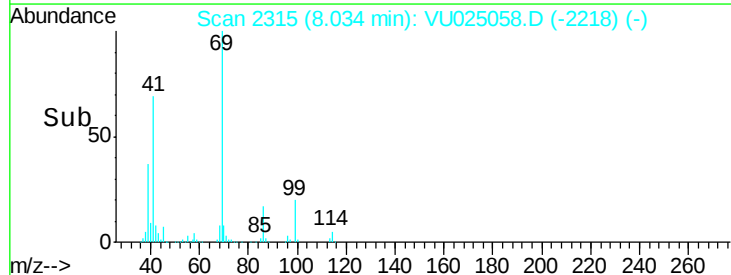
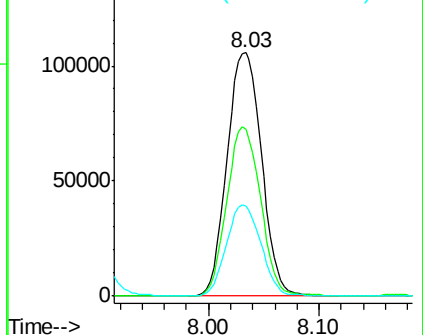


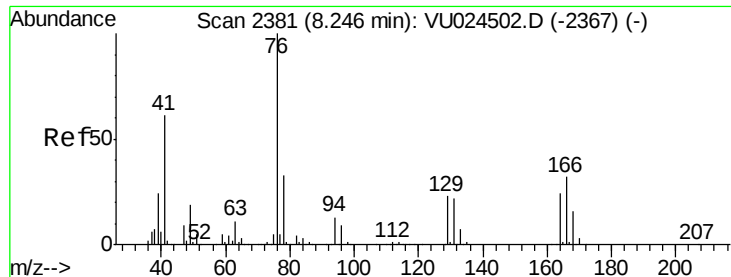
#56
 Ethyl methacrylate
 Concen: 49.654 ug/l
 RT: 8.03 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion:	69	Resp:	229968
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.1	81.1
39	37.3	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 49.879 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

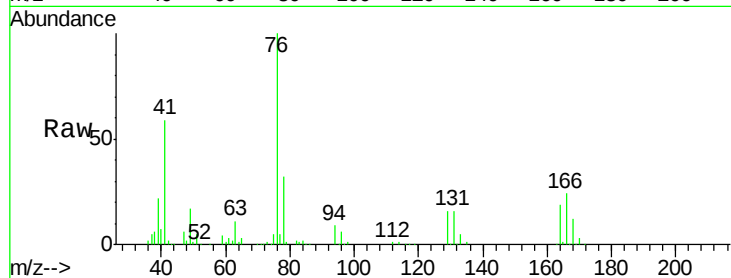
WP021SB489-21-23-180622MSD

Tgt Ion: 76 Resp: 232830

Ion Ratio Lower Upper

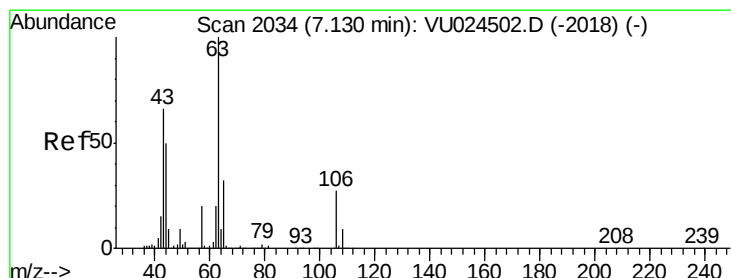
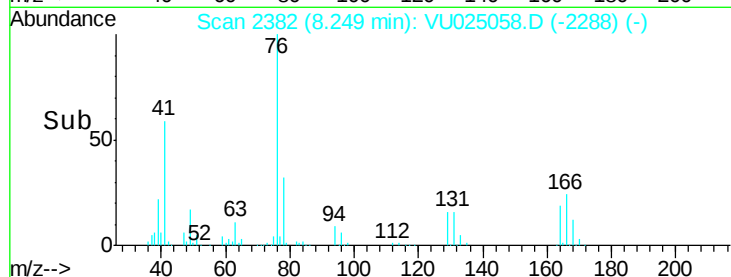
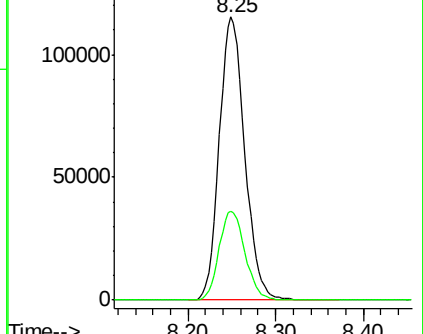
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 38.767 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025058.D

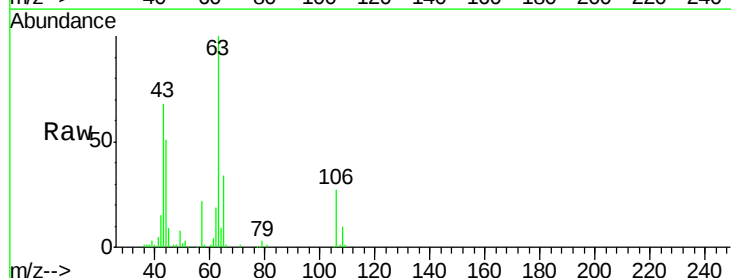
Acq: 29 Jun 2018 07:13

Tgt Ion: 63 Resp: 68785

Ion Ratio Lower Upper

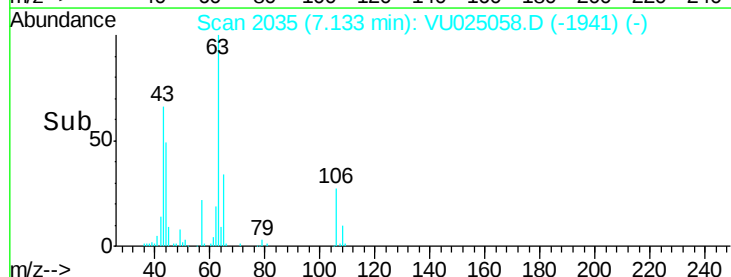
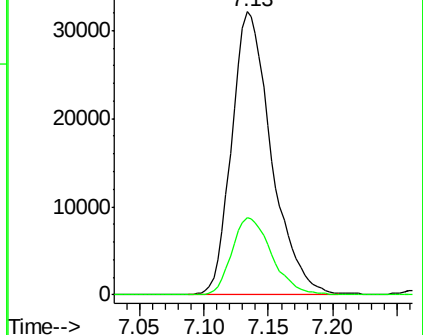
63 100

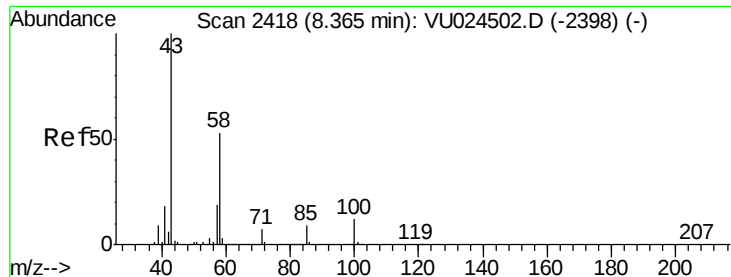
106 27.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

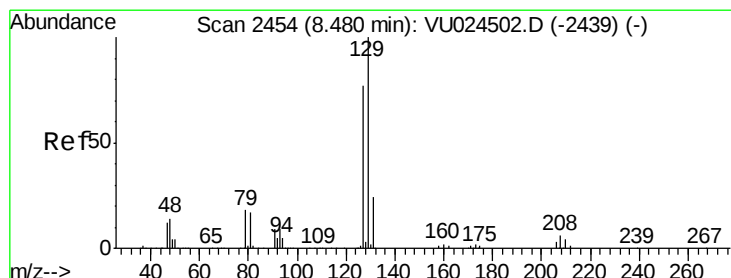
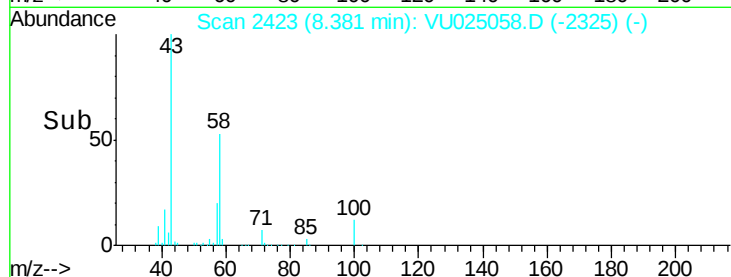
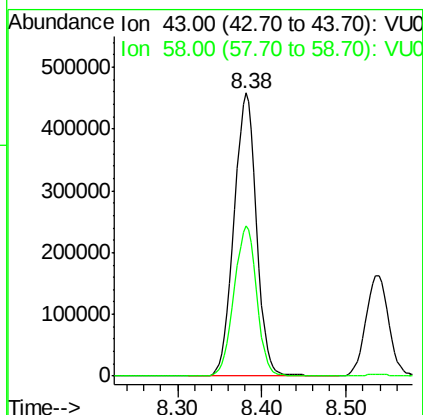
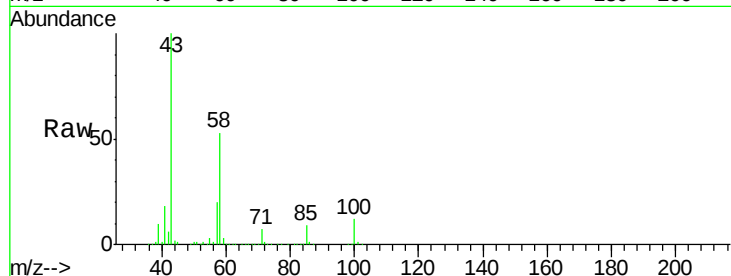




#59
2-Hexanone
Concen: 238.075 ug/l
RT: 8.38 min Scan# 2423
Delta R.T. 0.02 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

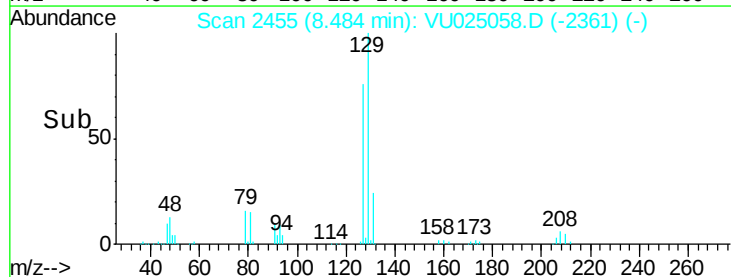
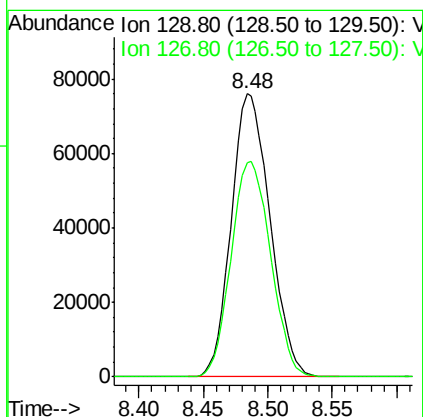
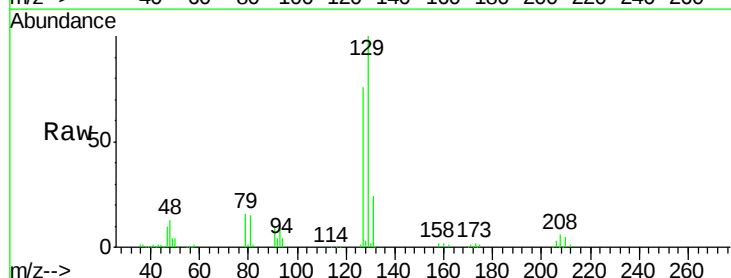
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

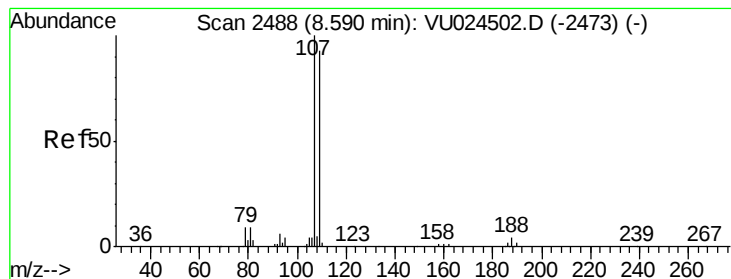
Tgt Ion: 43 Resp: 854259
Ion Ratio Lower Upper
43 100
58 53.4 26.4 79.0



#60
Dibromochloromethane
Concen: 46.098 ug/l
RT: 8.48 min Scan# 2455
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 129 Resp: 159064
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.311 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

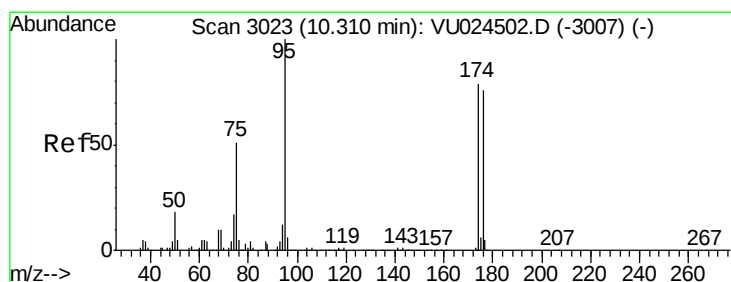
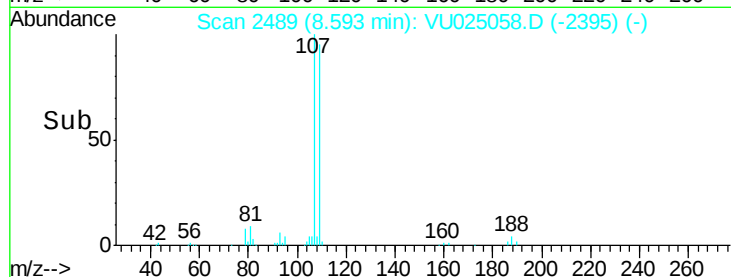
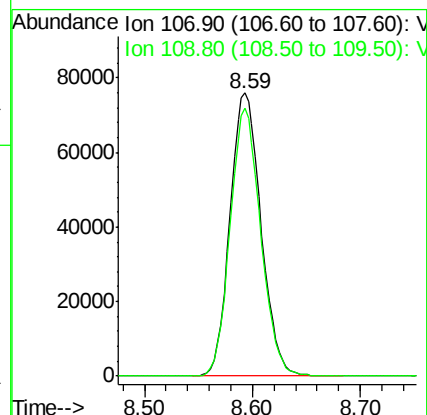
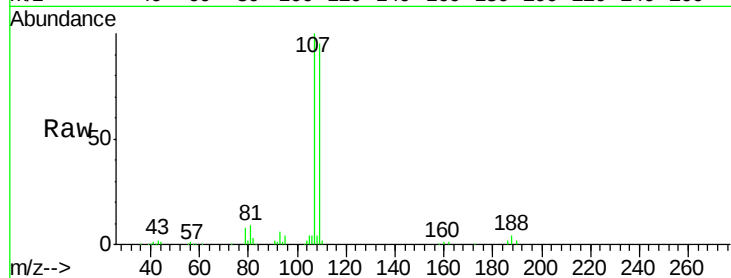
WP021SB489-21-23-180622MSD

Tgt Ion: 107 Resp: 151871

Ion Ratio Lower Upper

107 100

109 93.2 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 51.422 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

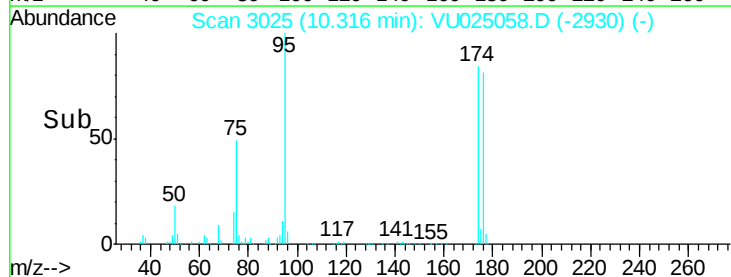
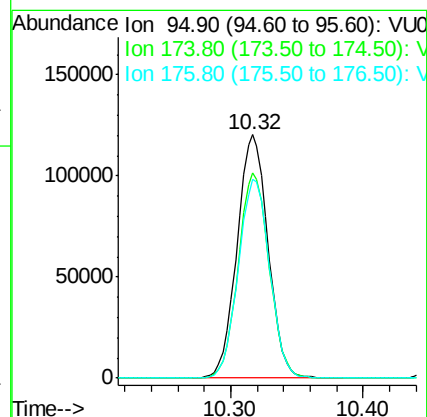
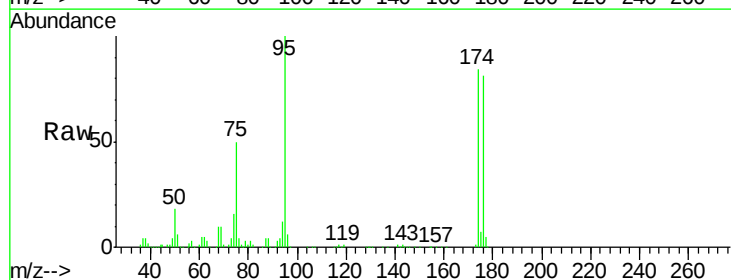
Tgt Ion: 95 Resp: 195306

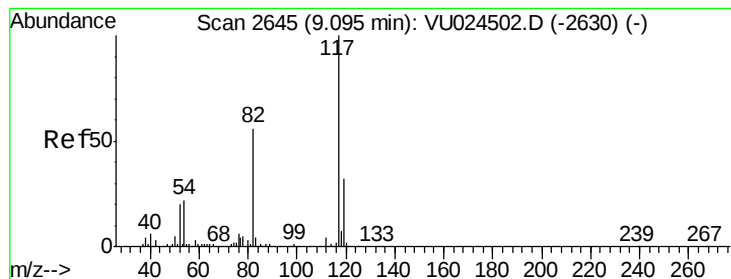
Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

176 82.4 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.10 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

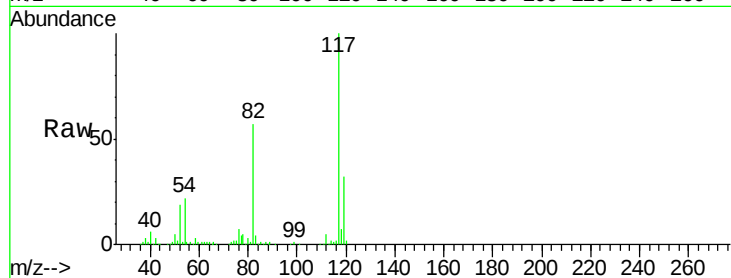
Tgt Ion:117 Resp: 305576

Ion Ratio Lower Upper

117 100

82 56.6 44.3 66.5

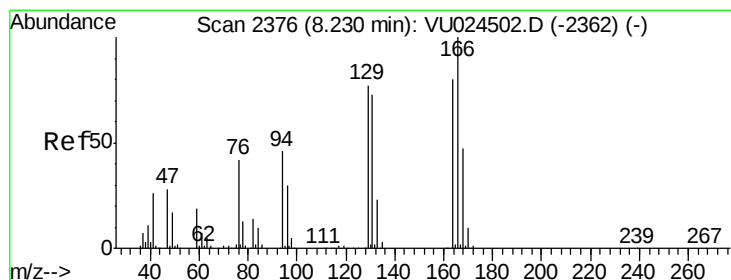
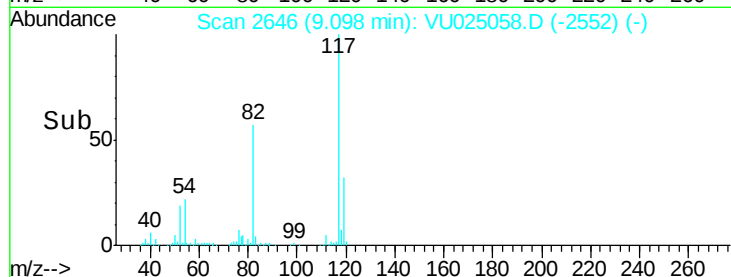
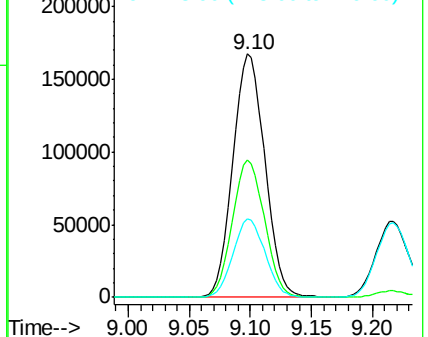
119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.634 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Tgt Ion:164 Resp: 144167

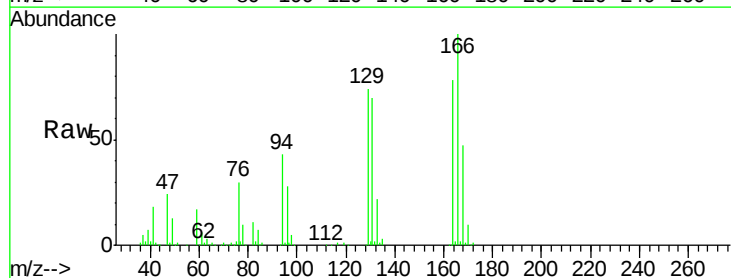
Ion Ratio Lower Upper

164 100

166 128.5 101.7 152.5

129 94.8 76.9 115.3

131 90.4 74.9 112.3

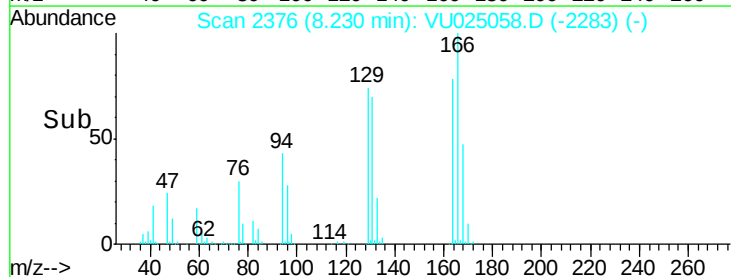
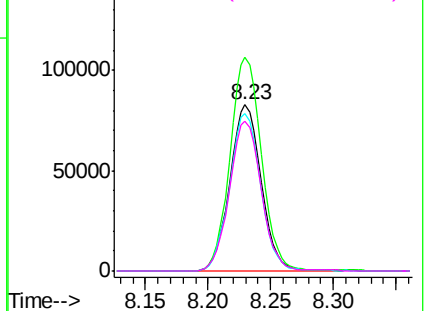


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.106 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

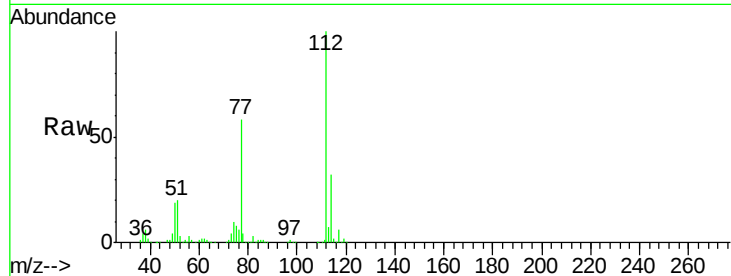
WP021SB489-21-23-180622MSD

Tgt Ion:112 Resp: 391147

Ion Ratio Lower Upper

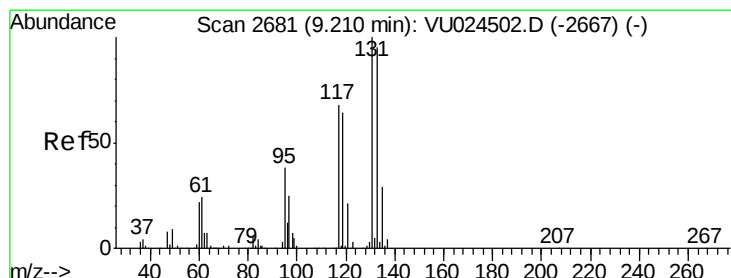
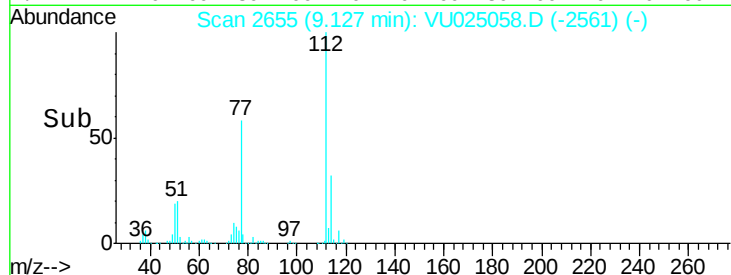
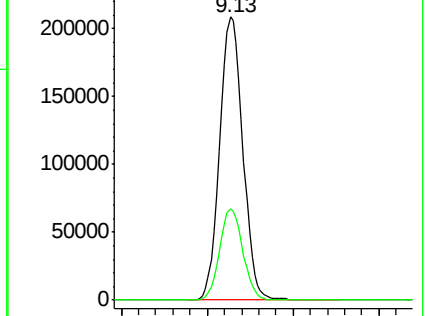
112 100

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: 48.970 ug/l

RT: 9.22 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

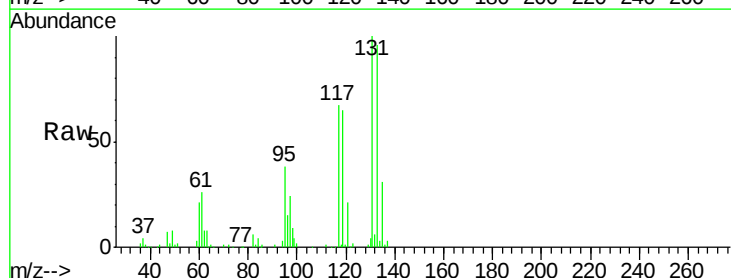
Tgt Ion:131 Resp: 145236

Ion Ratio Lower Upper

131 100

133 96.7 46.9 140.8

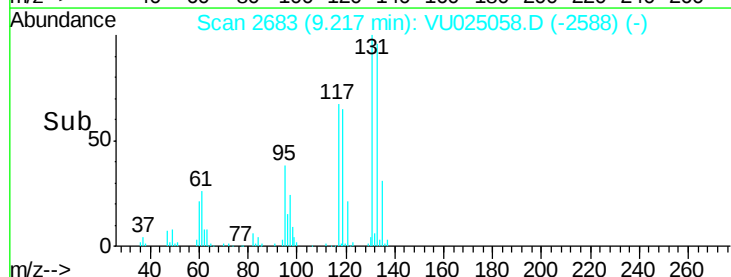
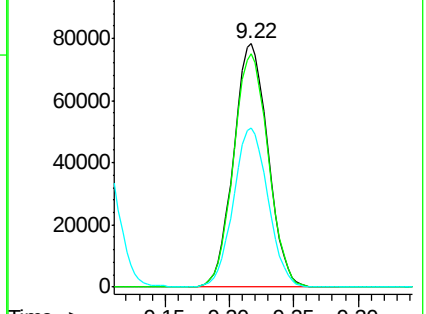
119 65.7 33.5 100.4

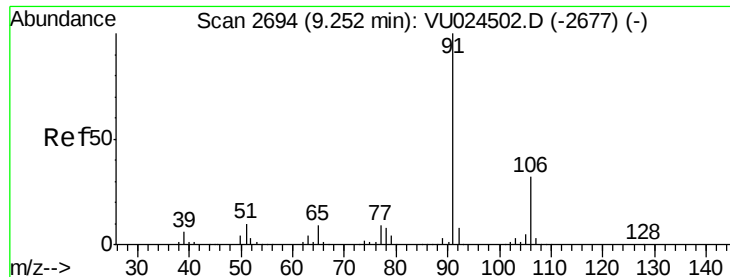


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

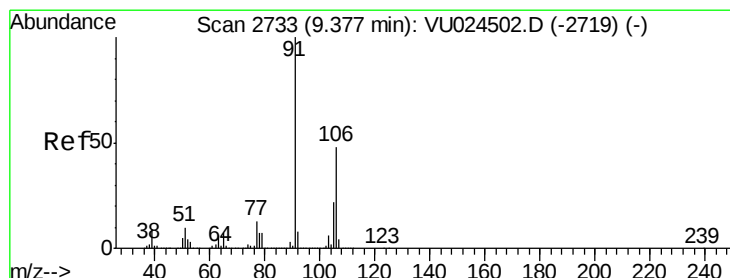
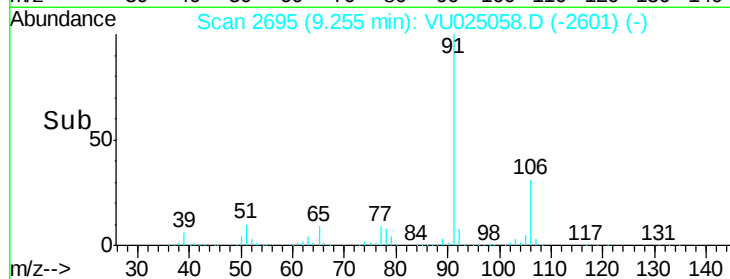
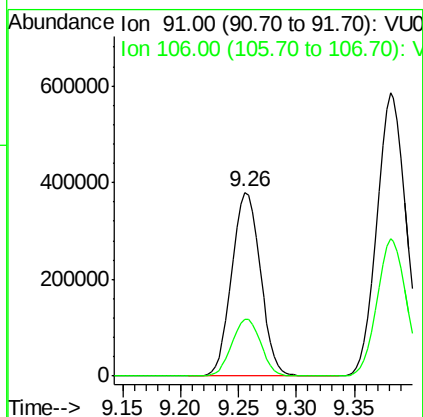
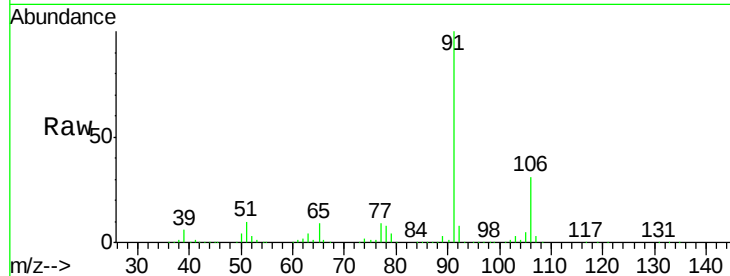




#67
Ethyl Benzene
Concen: 47.688 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

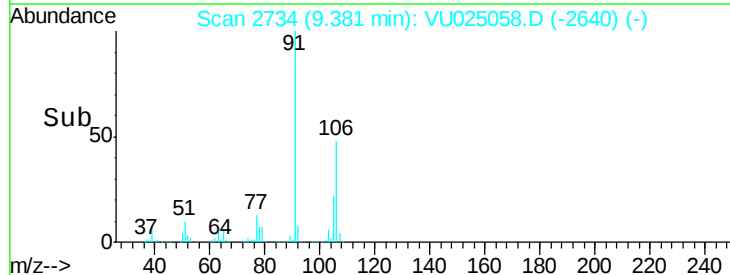
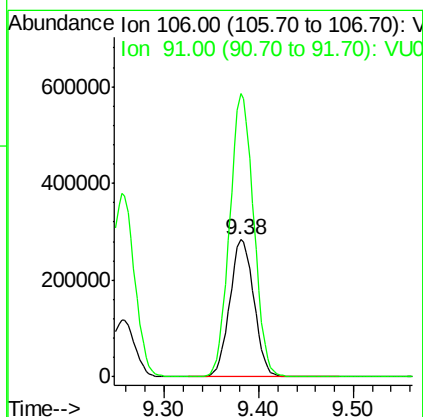
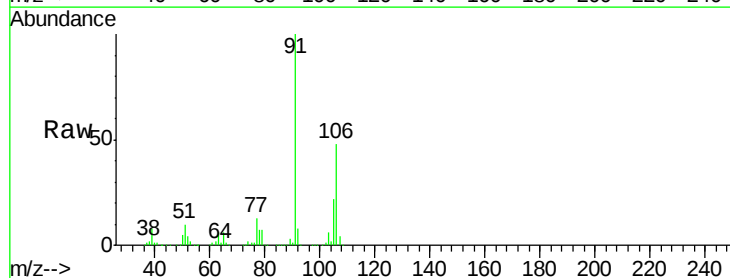
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

Tgt Ion: 91 Resp: 652612
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4



#68
m/p-Xylenes
Concen: 95.898 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 106 Resp: 503953
Ion Ratio Lower Upper
106 100
91 204.0 166.5 249.7

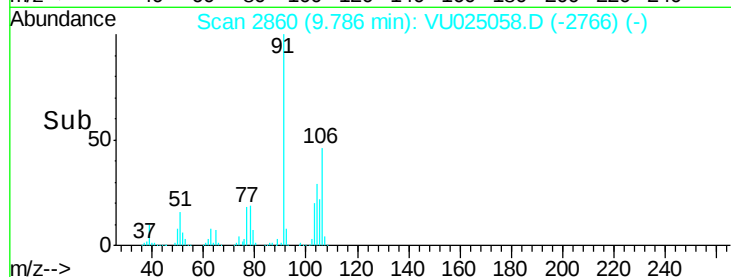
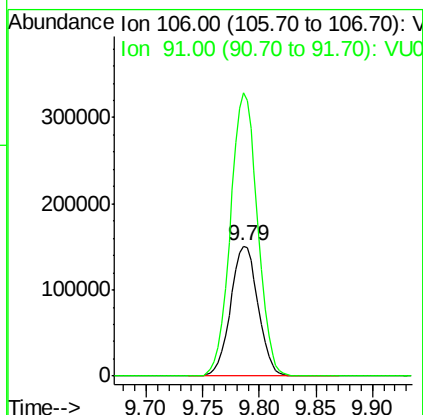
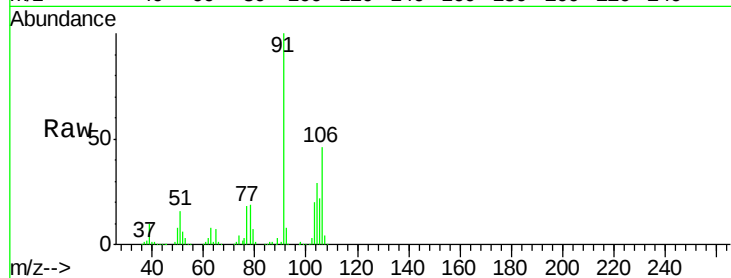




#69
o-Xylene
Concen: 48.955 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

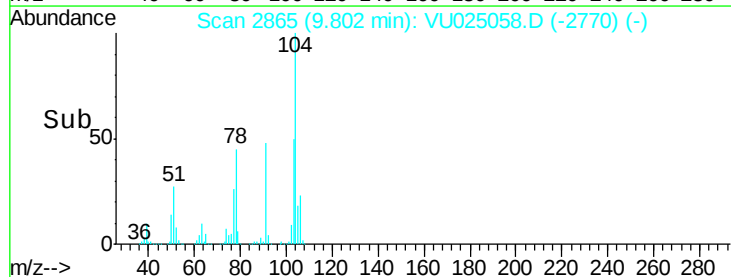
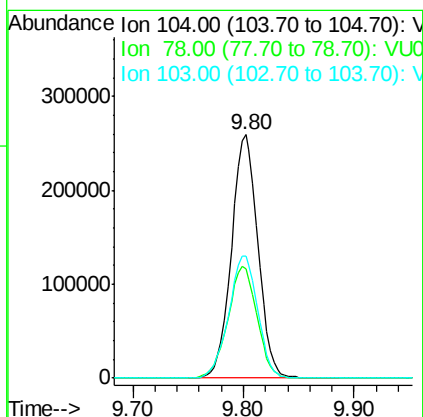
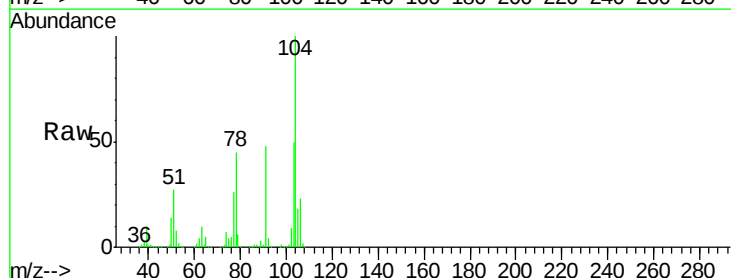
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

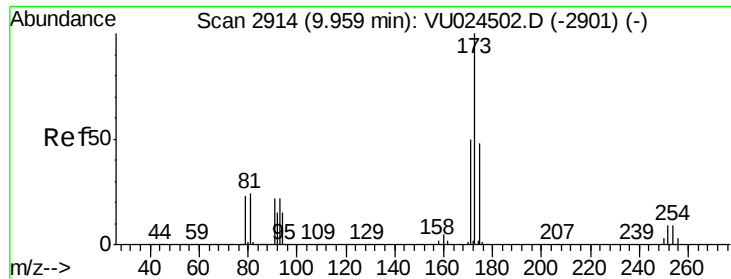
Tgt Ion:106 Resp: 254606
Ion Ratio Lower Upper
106 100
91 214.9 110.7 331.9



#70
Styrene
Concen: 50.411 ug/l
RT: 9.80 min Scan# 2865
Delta R.T. 0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion:104 Resp: 430845
Ion Ratio Lower Upper
104 100
78 50.6 40.6 60.8
103 55.1 44.7 67.1





#71

Bromoform

Concen: 47.104 ug/l

RT: 9.97 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

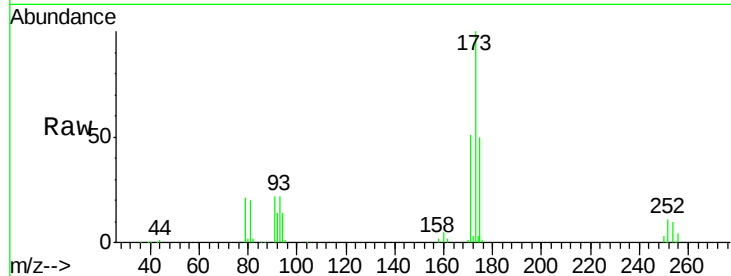
Tgt Ion:173 Resp: 132784

Ion Ratio Lower Upper

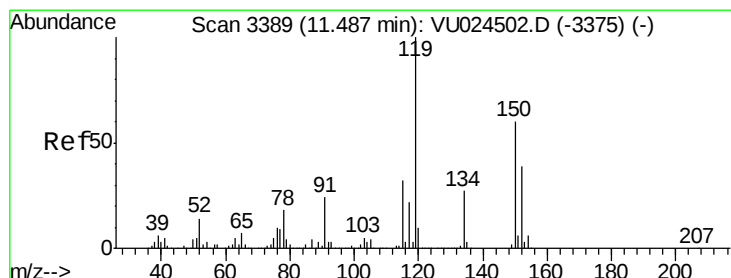
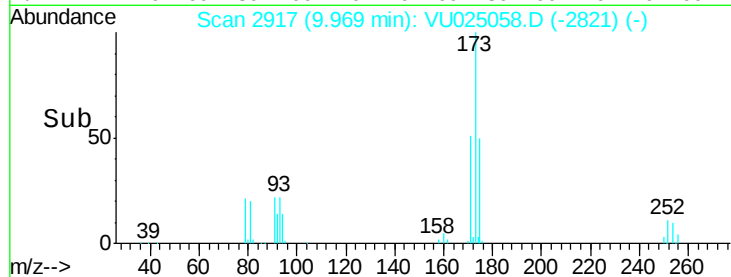
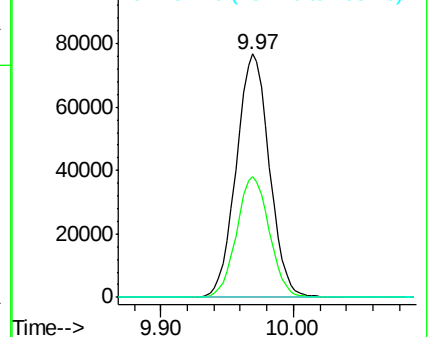
173 100

175 49.0 24.6 74.0

254 0.1 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# 3390

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

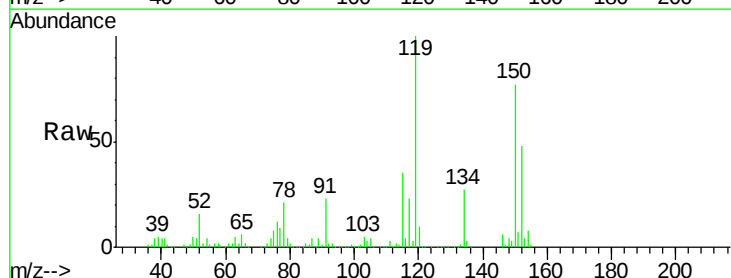
Tgt Ion:152 Resp: 190091

Ion Ratio Lower Upper

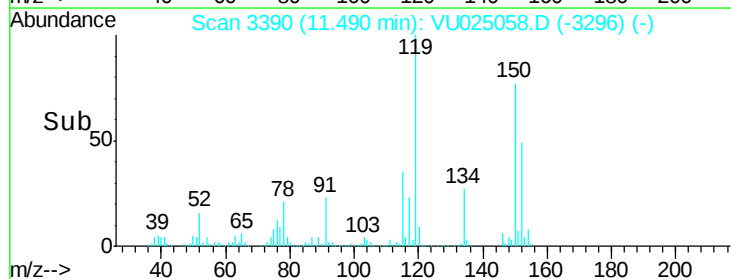
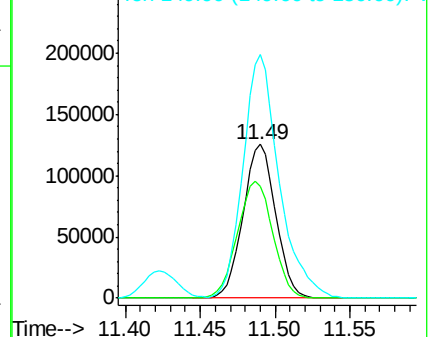
152 100

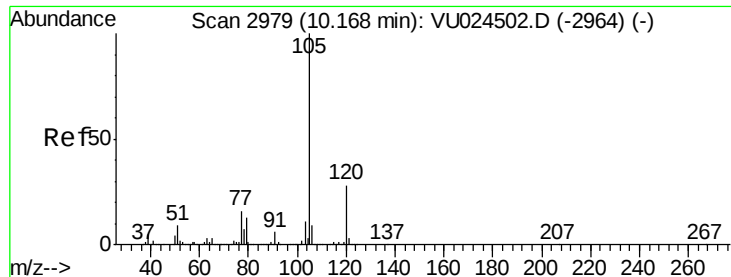
115 82.4 43.0 129.0

150 175.8 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: 47.808 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

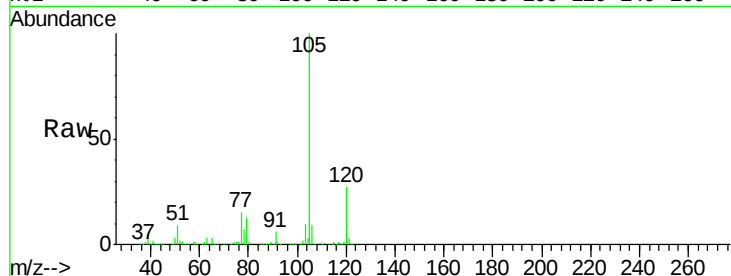
WP021SB489-21-23-180622MSD

Tgt Ion: 105 Resp: 697730

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

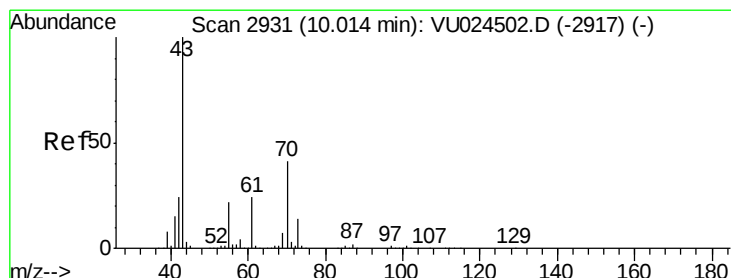
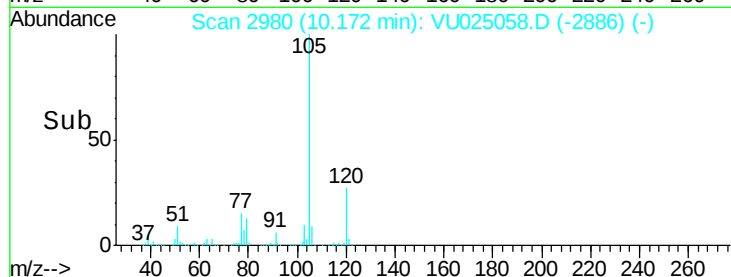
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 44.577 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Tgt Ion: 43 Resp: 309446

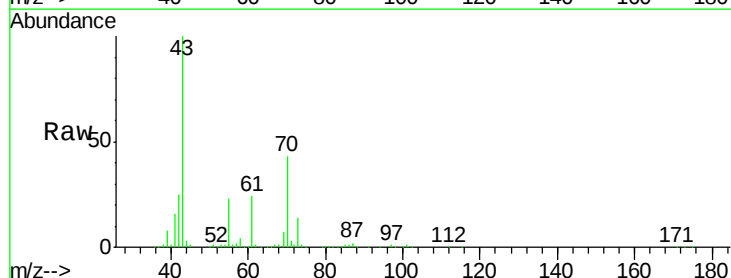
Ion Ratio Lower Upper

43 100

70 42.5 32.2 48.4

55 23.8 20.5 30.7

61 23.9 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.02

300000

250000

200000

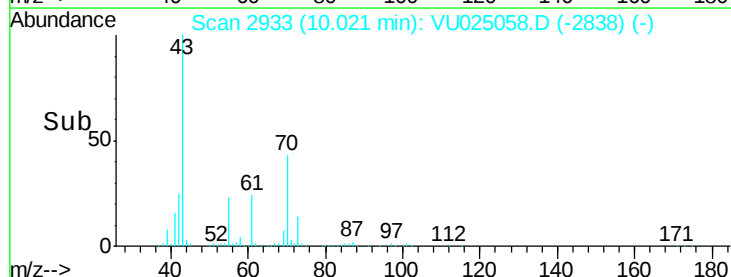
150000

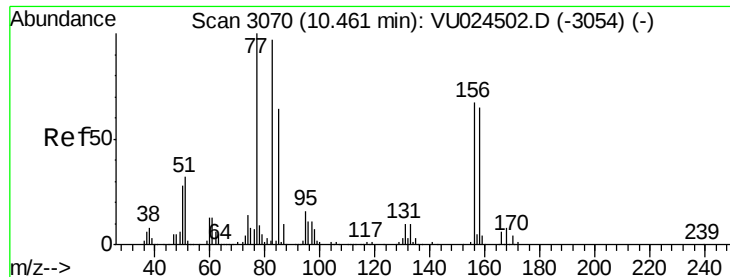
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.678 ug/l

RT: 10.47 min Scan# 3072

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

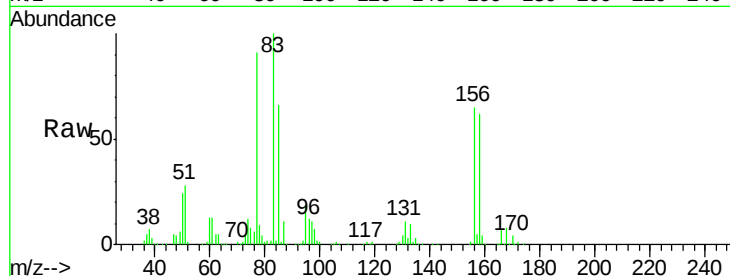
Tgt Ion: 83 Resp: 242956

Ion Ratio Lower Upper

83 100

131 11.0 4.7 14.1

85 64.9 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025058.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025058.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025058.D (-2977) (-)

10.47

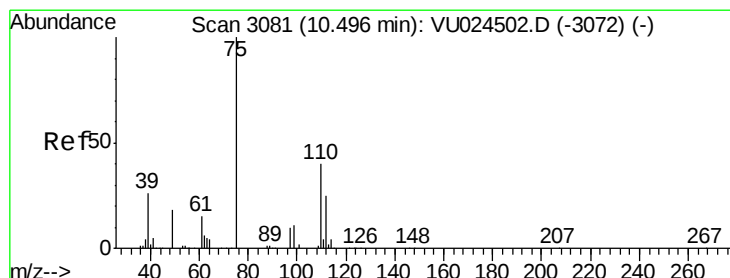
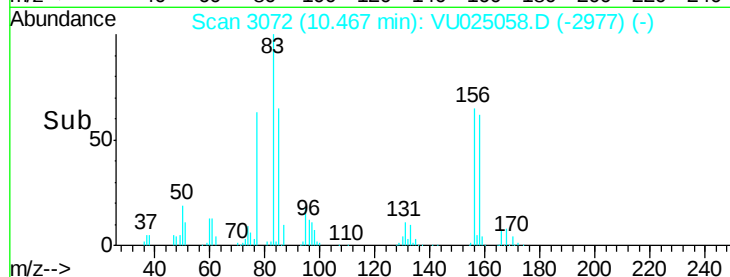
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 67.452 ug/l

RT: 10.50 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VU025058.D

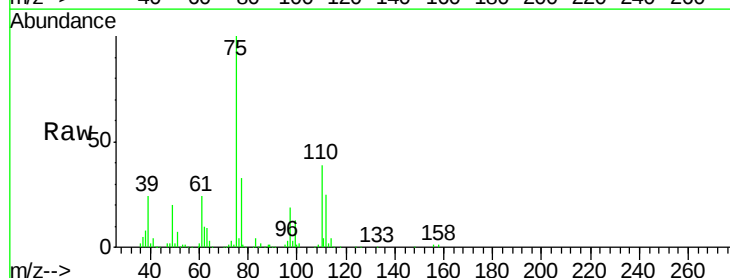
Acq: 29 Jun 2018 07:13

Tgt Ion: 75 Resp: 282293

Ion Ratio Lower Upper

75 100

77 30.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025058.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025058.D (-2988) (-)

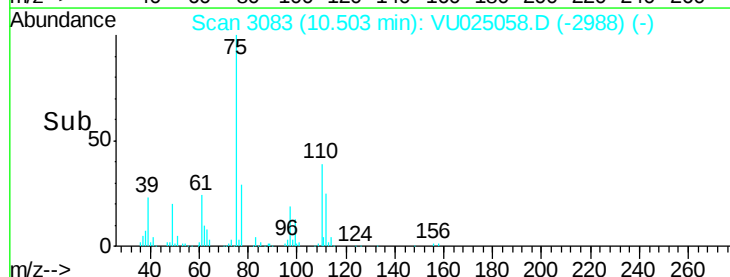
150000

100000

50000

0

Time-->





#77

Bromobenzene

Concen: 50.637 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.01 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

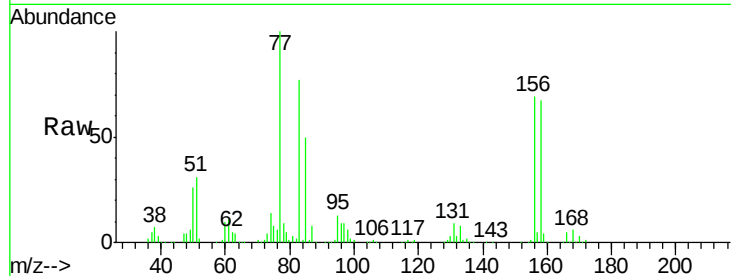
Tgt Ion:156 Resp: 187093

Ion Ratio Lower Upper

156 100

77 149.0 80.5 241.3

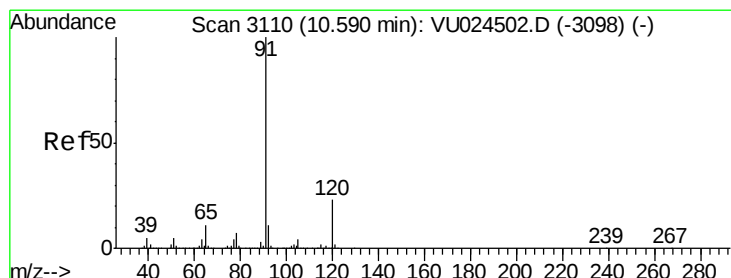
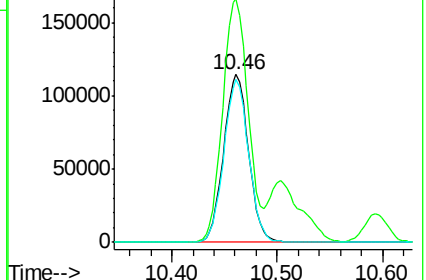
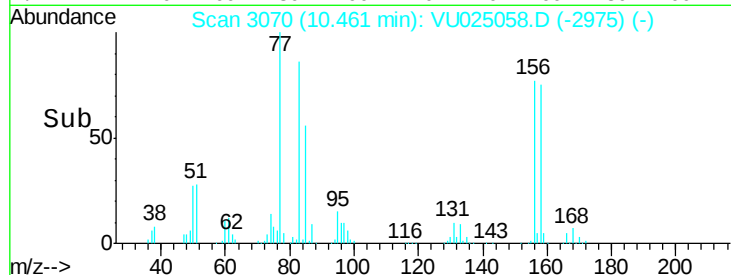
158 96.5 48.2 144.6



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: 45.868 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025058.D

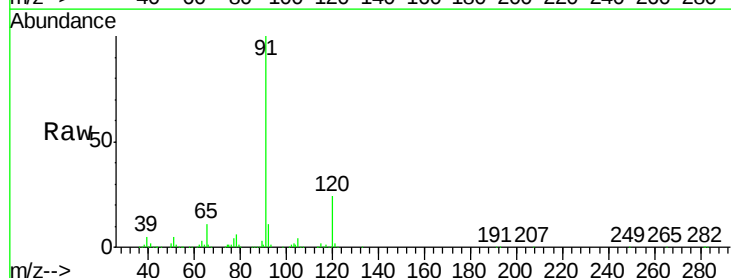
Acq: 29 Jun 2018 07:13

Tgt Ion: 91 Resp: 788570

Ion Ratio Lower Upper

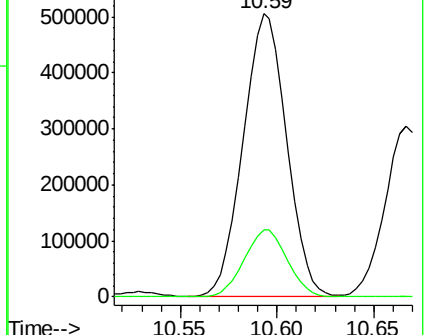
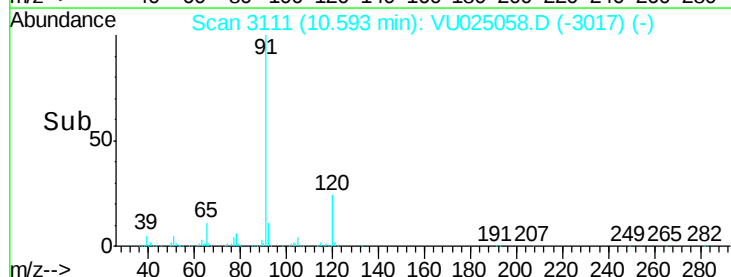
91 100

120 23.6 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: 48.089 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

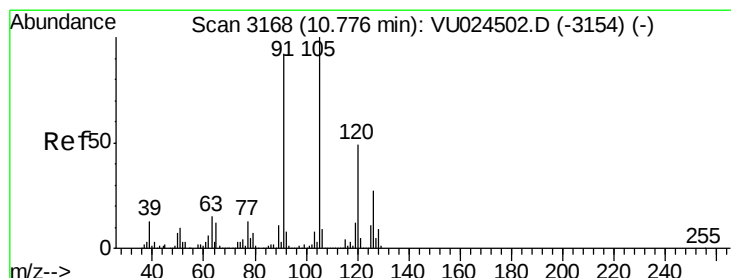
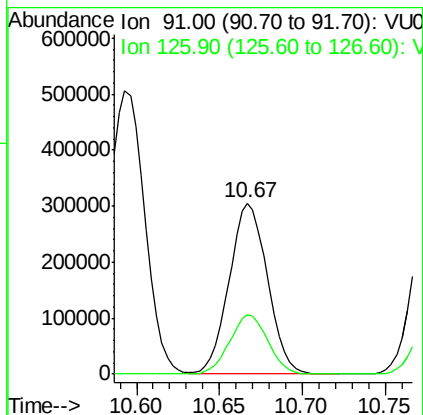
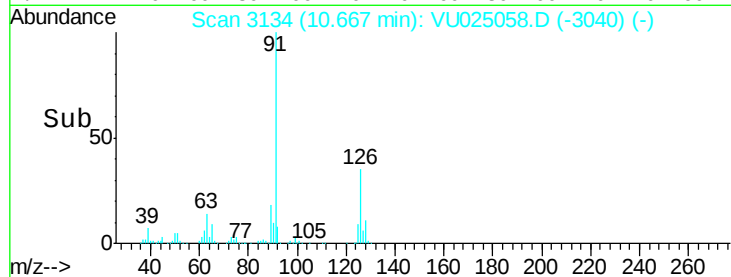
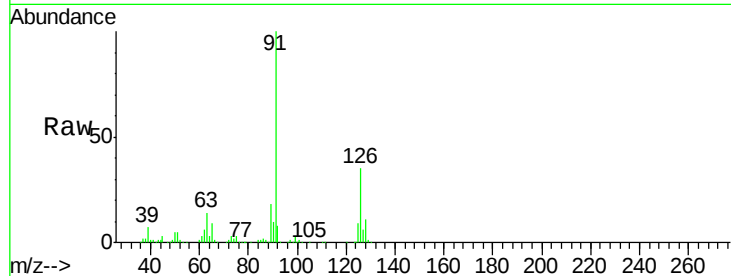
WP021SB489-21-23-180622MSD

Tgt Ion: 91 Resp: 487549

Ion Ratio Lower Upper

91 100

126 35.0 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 47.023 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025058.D

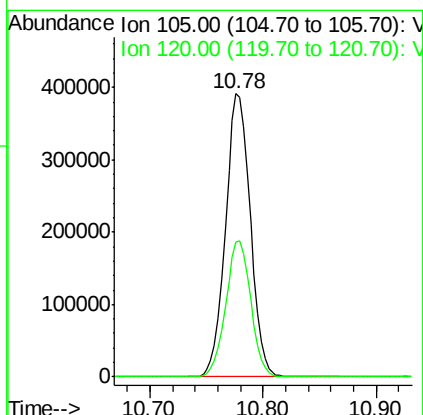
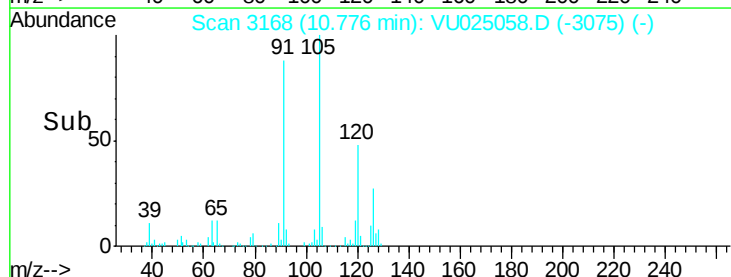
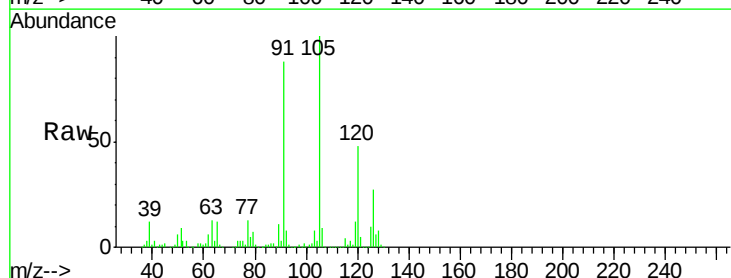
Acq: 29 Jun 2018 07:13

Tgt Ion: 105 Resp: 594823

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2

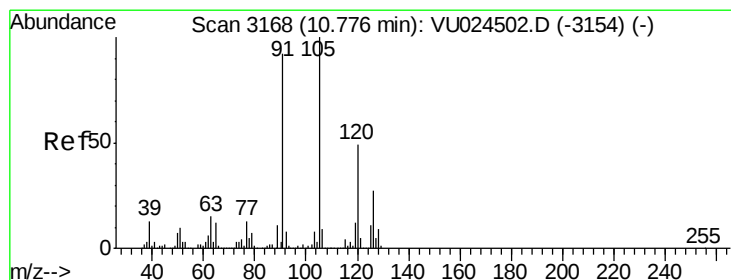
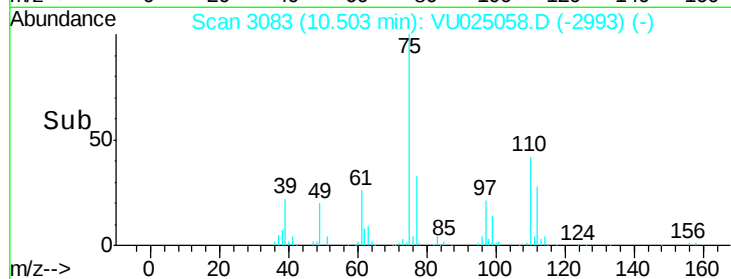
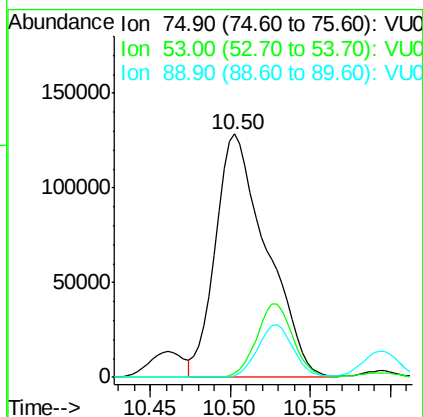
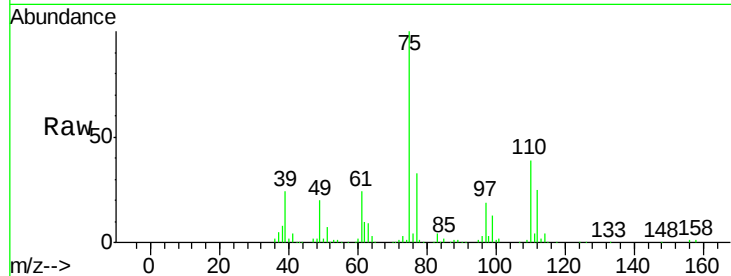




#81
trans-1,4-Dichloro-2-butene
Concen: 156.111 ug/l
RT: 10.50 min Scan# 3083
Delta R.T. -0.01 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

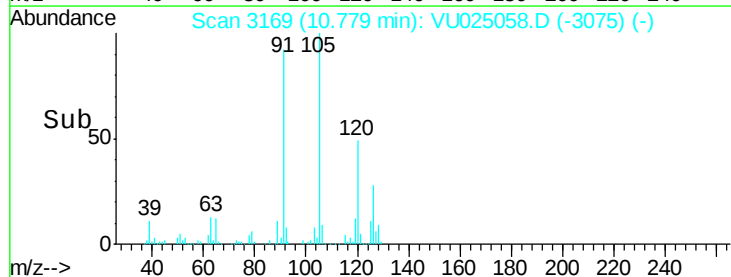
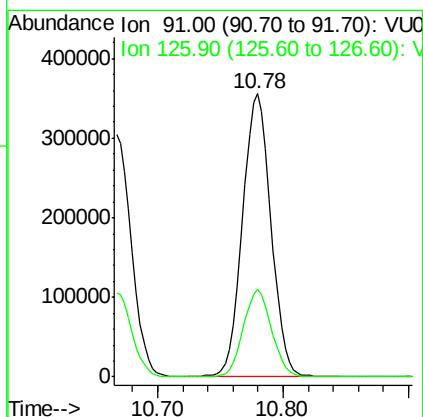
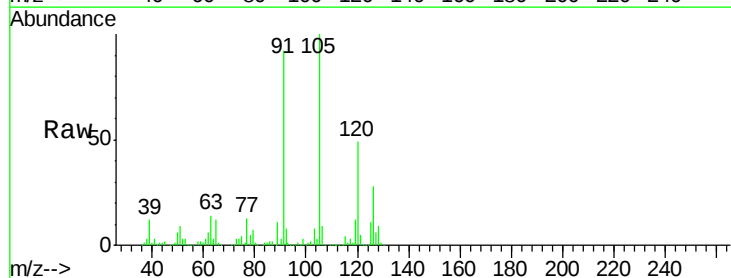
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MSD

Tgt Ion: 75 Resp: 282293
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 47.391 ug/l
RT: 10.78 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VU025058.D
Acq: 29 Jun 2018 07:13

Tgt Ion: 91 Resp: 559226
Ion Ratio Lower Upper
91 100
126 30.7 14.9 44.9

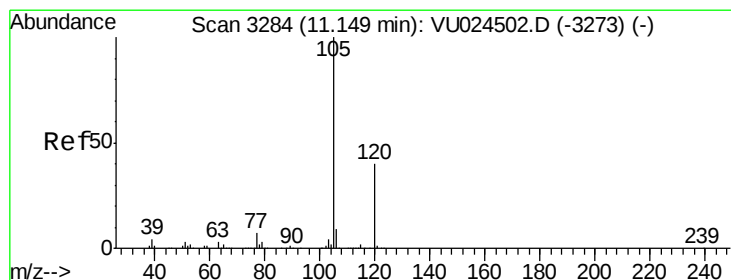
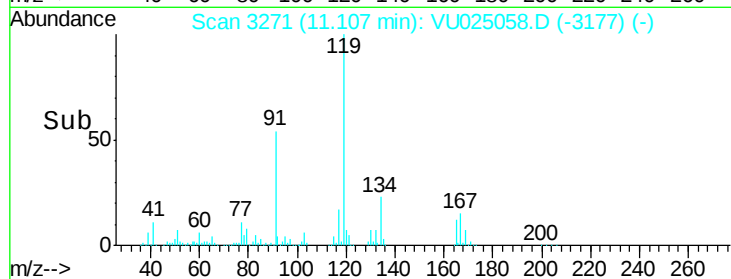
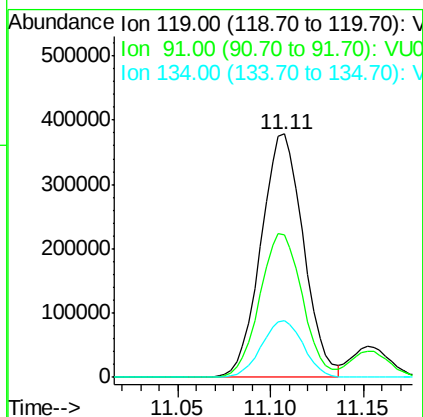
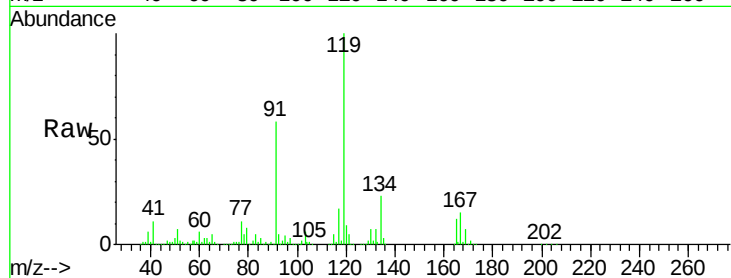




#83
 tert-Butylbenzene
 Concen: 49.816 ug/l
 RT: 11.11 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

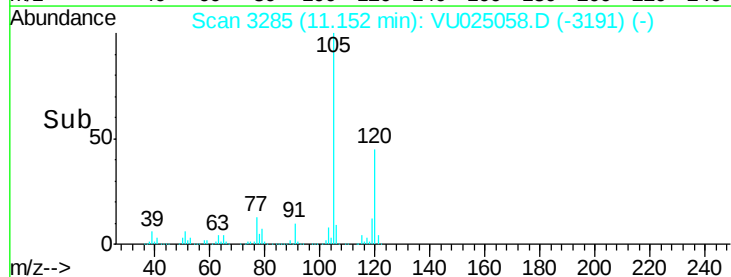
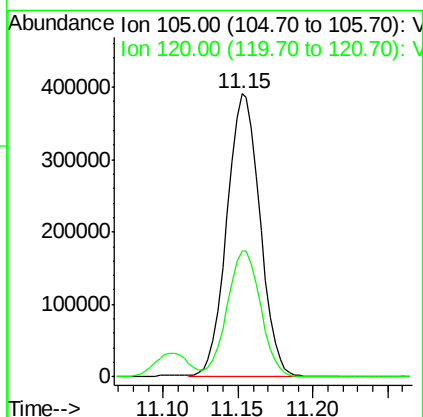
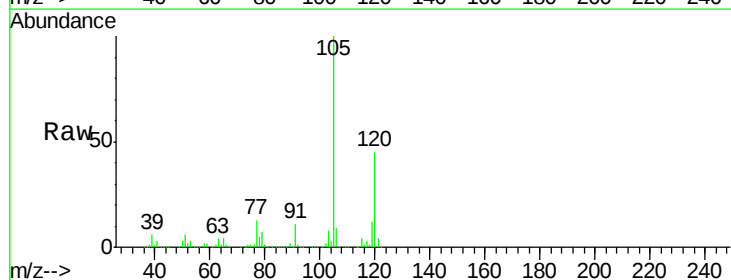
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

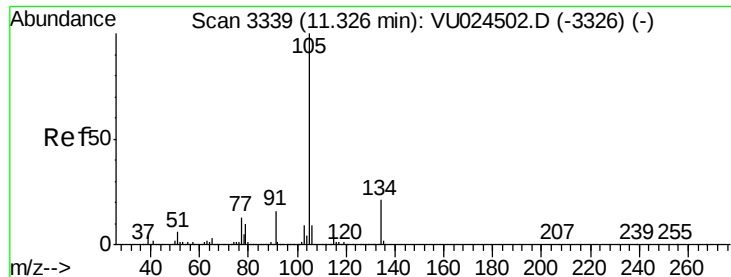
Tgt Ion:119 Resp: 606165
 Ion Ratio Lower Upper
 119 100
 91 59.4 29.7 89.1
 134 23.1 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 46.591 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion:105 Resp: 600613
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8





#85

sec-Butylbenzene

Concen: 47.617 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

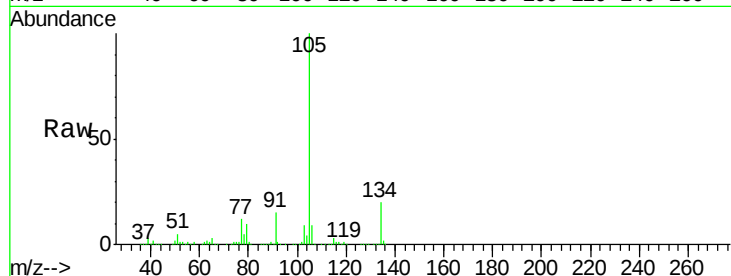
WP021SB489-21-23-180622MSD

Tgt Ion:105 Resp: 725266

Ion Ratio Lower Upper

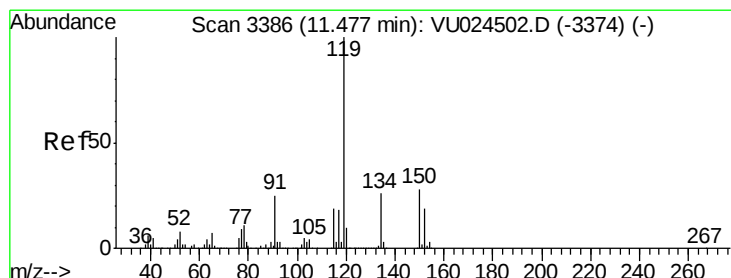
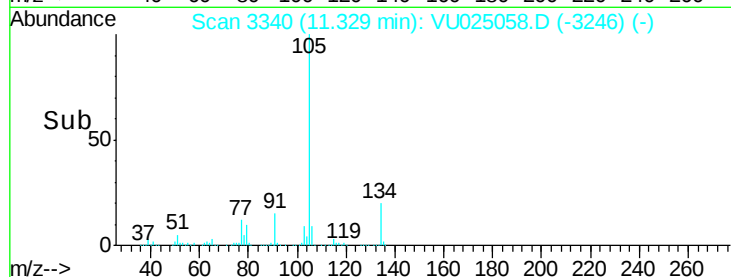
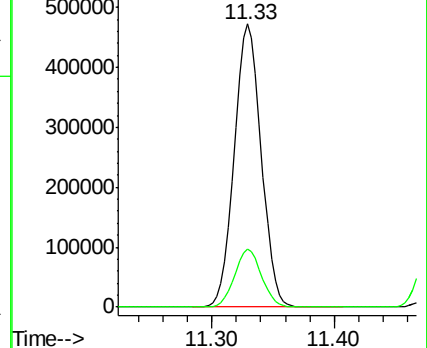
105 100

134 20.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.201 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

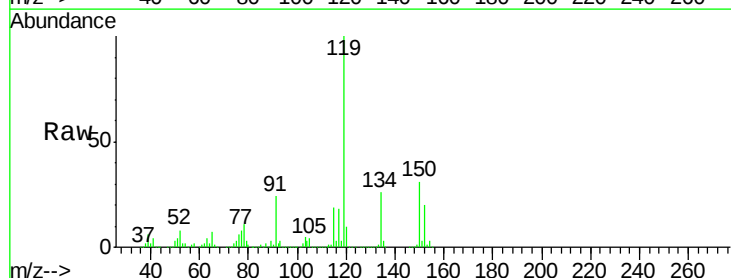
Tgt Ion:119 Resp: 630235

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

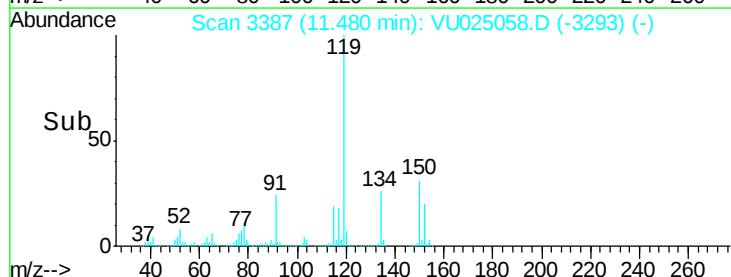
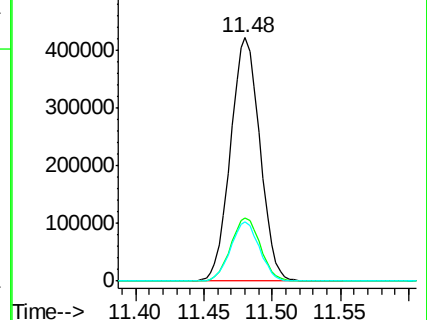
91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

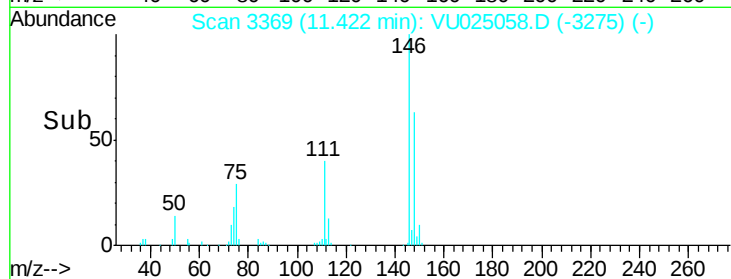
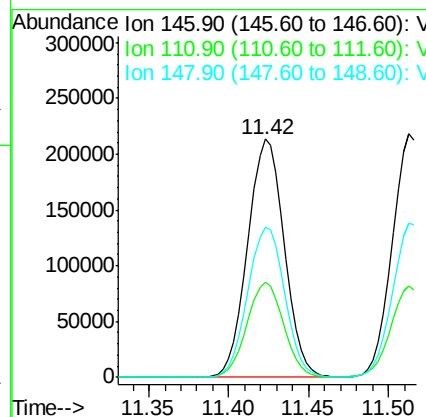
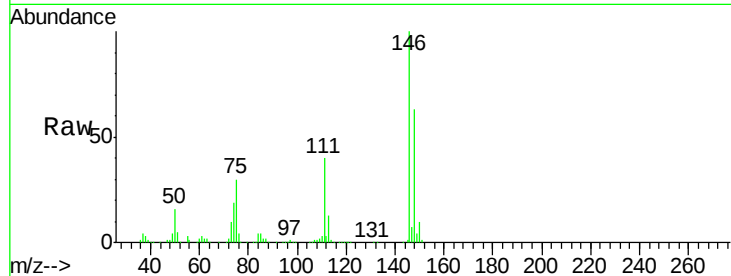




#87
 1,3-Dichlorobenzene
 Concen: 48.824 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

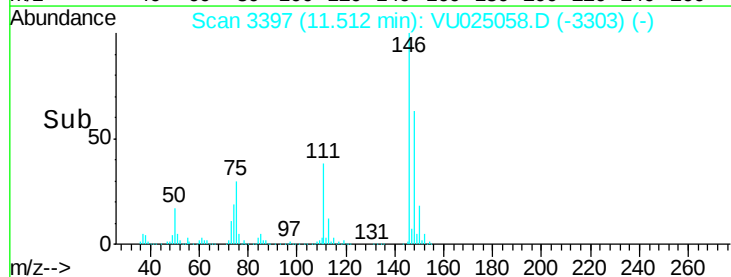
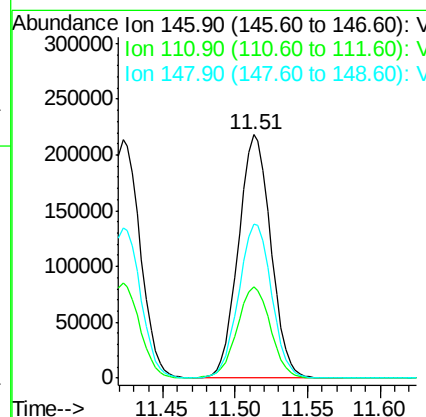
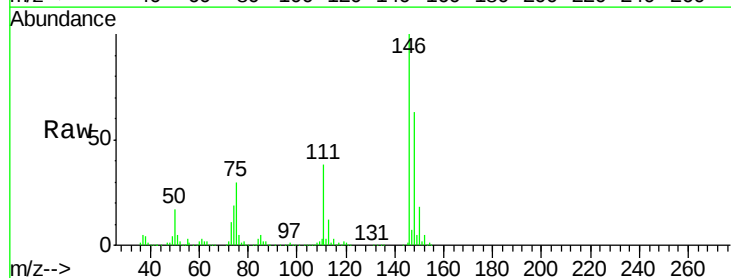
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

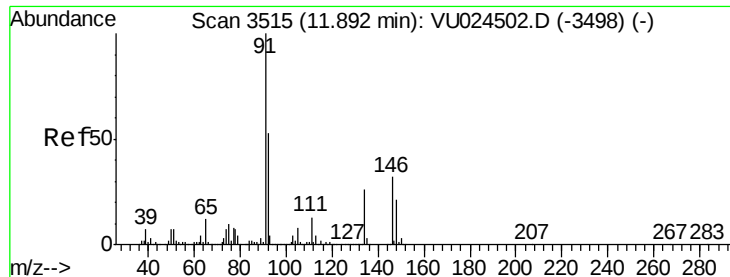
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	63.7	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.287 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.3	32.4	97.0





#89

n-Butylbenzene

Concen: 41.654 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

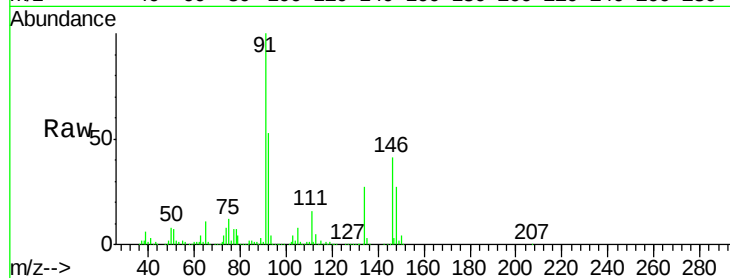
Tgt Ion: 91 Resp: 504462

Ion Ratio Lower Upper

91 100

92 53.0 25.6 76.8

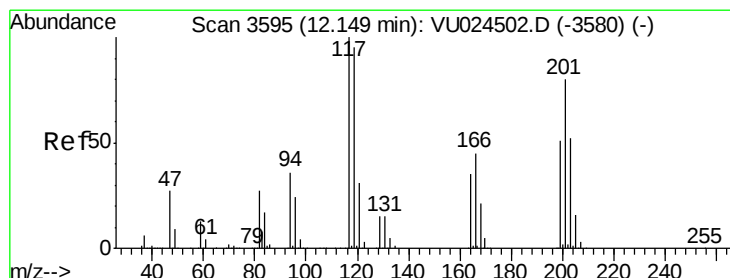
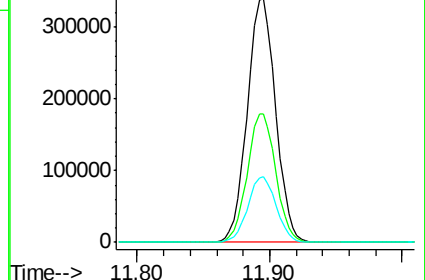
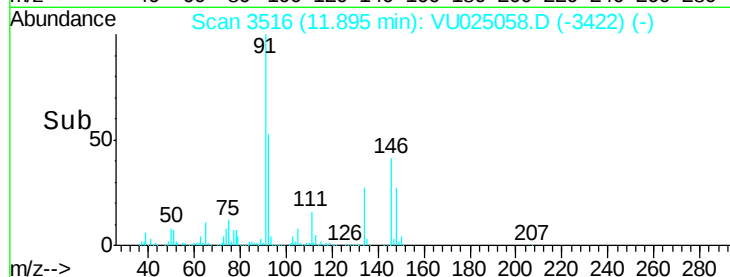
134 27.0 12.3 36.8



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: 42.841 ug/l

RT: 12.15 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU025058.D

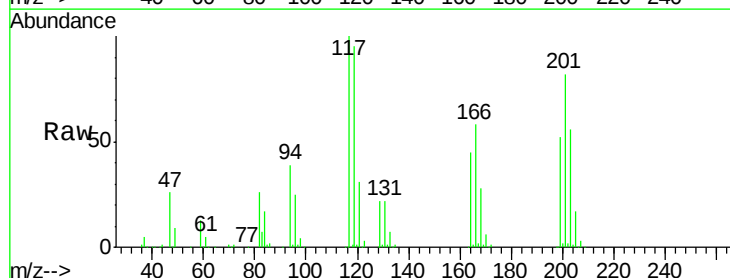
Acq: 29 Jun 2018 07:13

Tgt Ion: 117 Resp: 114002

Ion Ratio Lower Upper

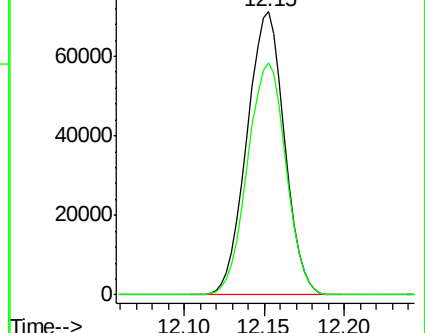
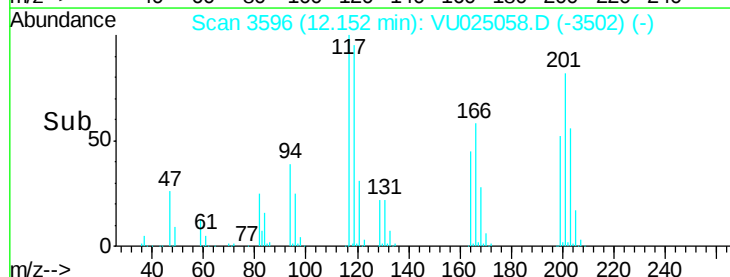
117 100

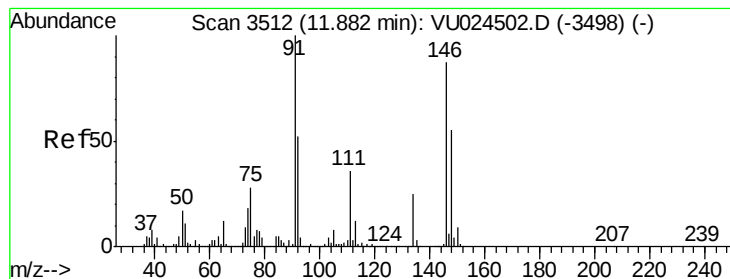
201 84.0 41.1 123.3



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: 50.959 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

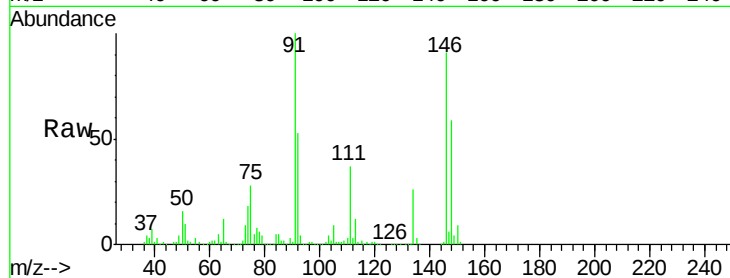
Tgt Ion:146 Resp: 348414

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

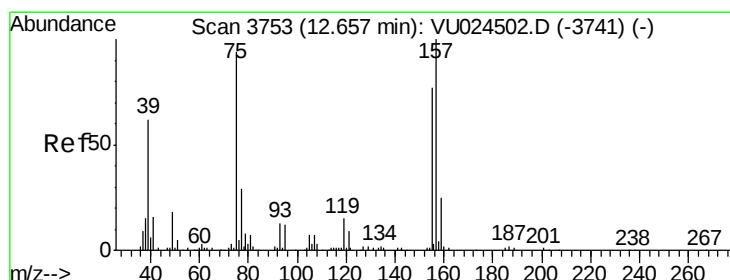
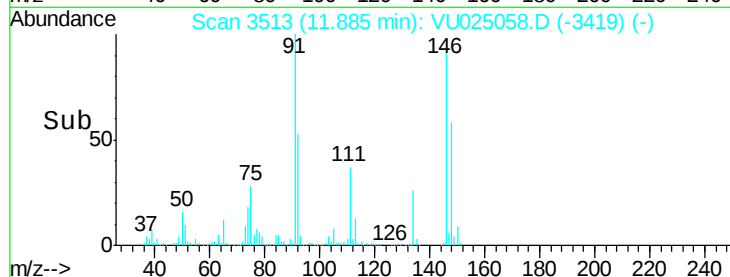
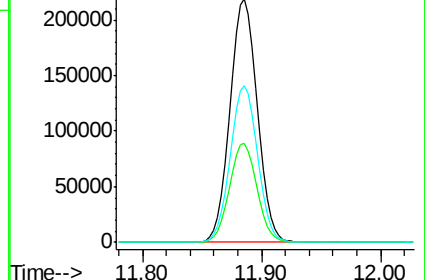
148 64.3 31.9 95.7



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: 42.835 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

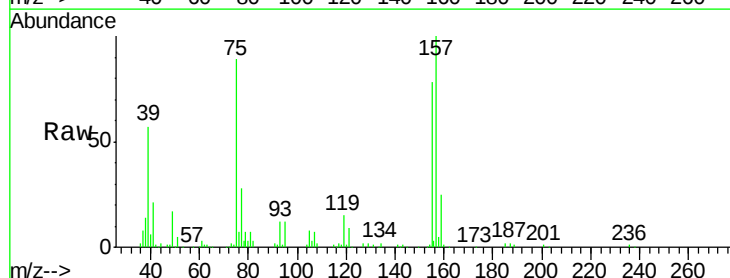
Tgt Ion: 75 Resp: 57805

Ion Ratio Lower Upper

75 100

155 87.9 40.4 121.2

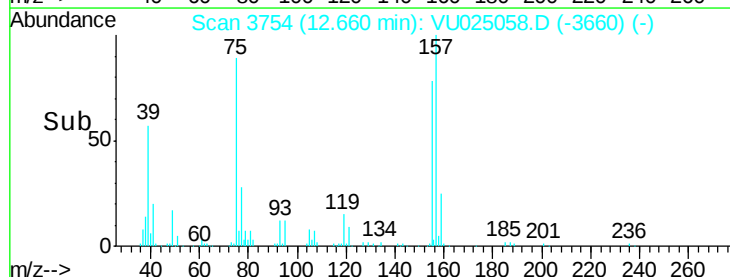
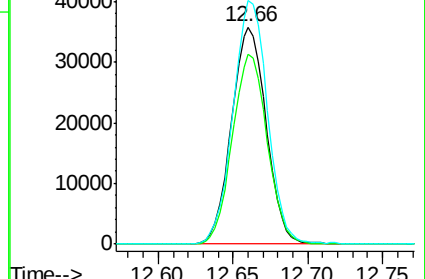
157 111.5 52.3 156.8

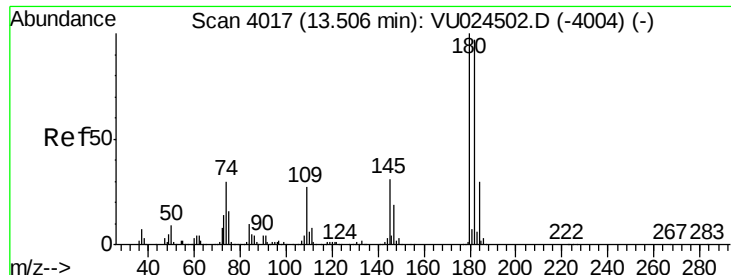


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

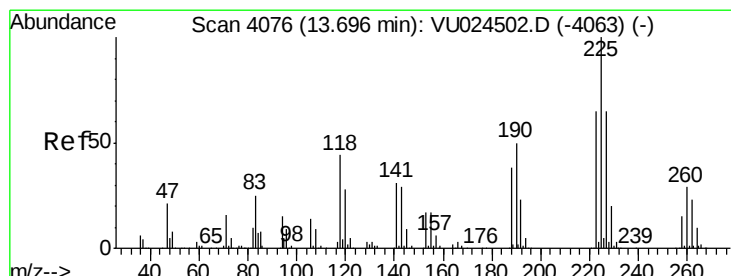
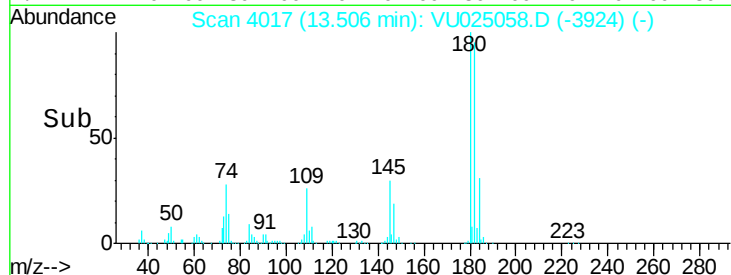
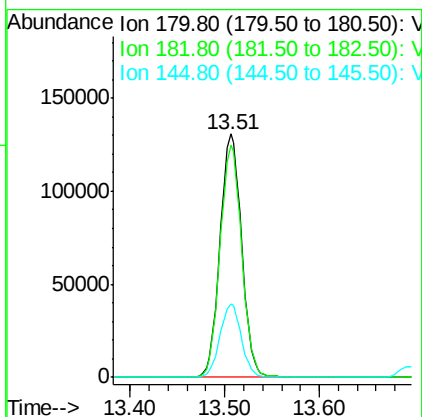
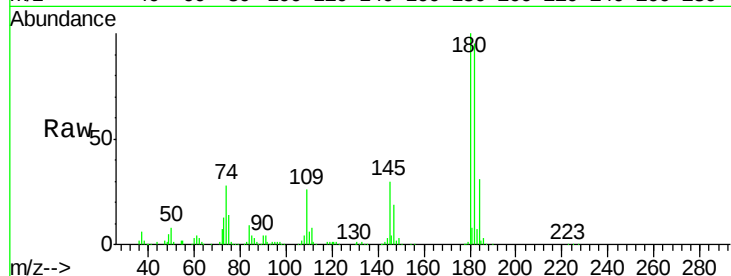




#93
 1,2,4-Trichlorobenzene
 Concen: 49.152 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

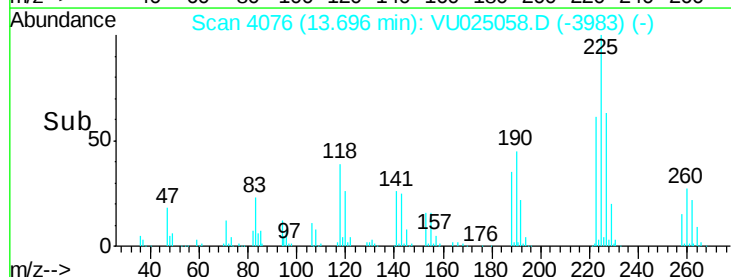
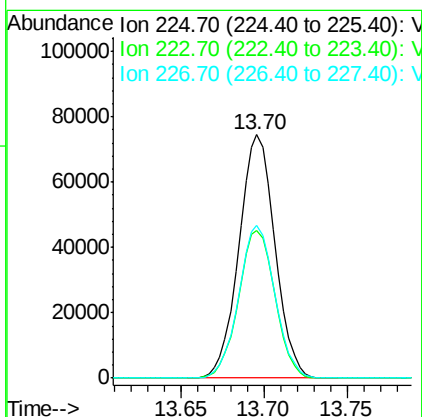
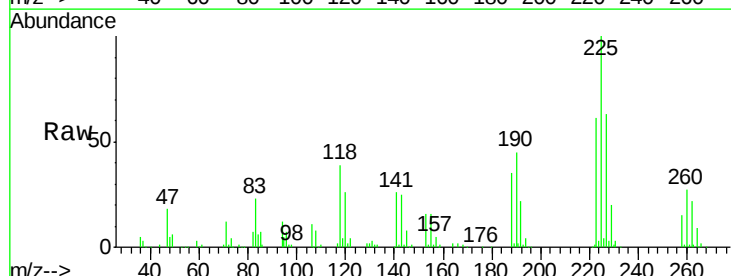
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MSD

Tgt Ion:180 Resp: 207526
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.0 144.2
 145 29.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 47.231 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025058.D
 Acq: 29 Jun 2018 07:13

Tgt Ion:225 Resp: 112242
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.3 93.8
 227 62.7 31.8 95.4





#95

Naphthalene

Concen: 48.184 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MSD

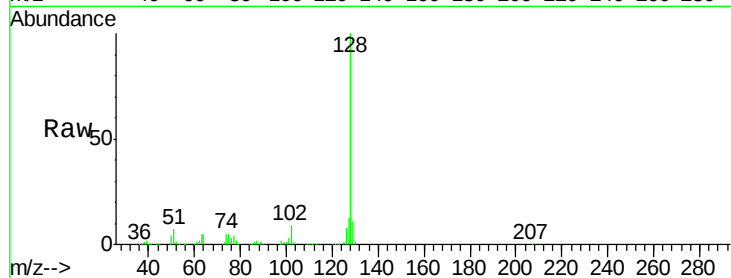
Tgt Ion:128 Resp: 673137

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

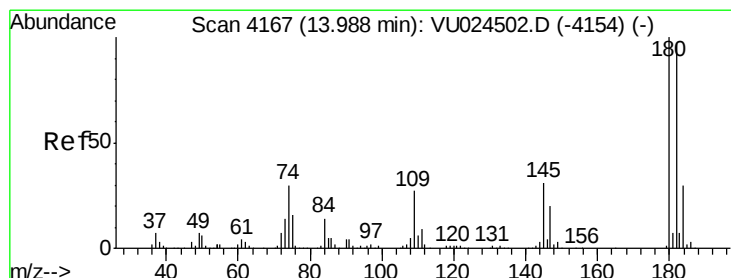
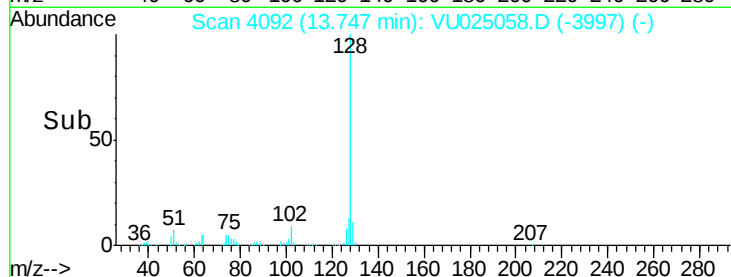
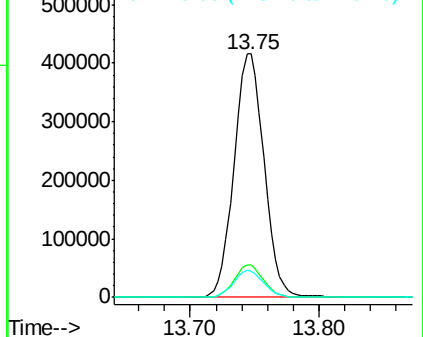
129 10.8 8.6 12.8



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: 50.802 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025058.D

Acq: 29 Jun 2018 07:13

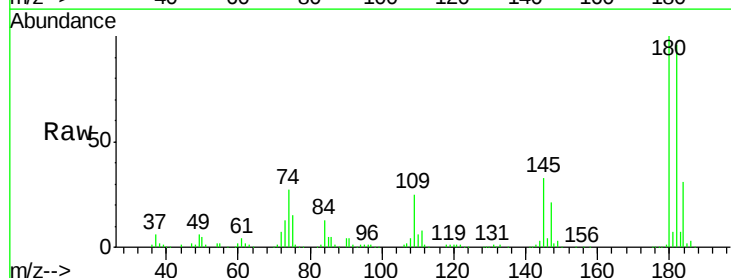
Tgt Ion:180 Resp: 213728

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 32.5 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

