

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025312.D
 Acq On : 11 Jul 2018 14:14
 Operator : MD/SY
 Sample : J3898-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

Quant Time: Jul 12 03:10:52 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317615	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156494	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	158604	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	4.89	113	123100	45.94	ug/l	0.00
Spiked Amount			Recovery	=	91.88%	
50) Toluene-d8	7.57	98	461630	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	10.31	95	167620	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	625	0.85	ug/l	96
5) Bromomethane	1.64	94	584	Below Cal		94
6) Chloroethane	1.68	64	253	0.46	ug/l #	43
10) Methyl Iodide	2.43	142	615	7.91	ug/l #	72
11) Tert butyl alcohol	2.82	59	2940	4.15	ug/l #	73
13) Acrolein	2.20	56	165	0.35	ug/l #	1
14) Allyl chloride	2.71	41	57852	15.04	ug/l #	56
15) Acrylonitrile	3.00	53	447	0.31	ug/l #	31
16) Acetone	2.31	43	8179	9.70	ug/l #	53
17) Carbon Disulfide	2.48	76	1141	2.11	ug/l #	74
18) Methyl Acetate	2.71	43	140248	42.14	ug/l #	52
20) Methylene Chloride	2.71	84	1334	1.21	ug/l #	1
25) 2-Butanone	4.23	43	13665	6.07	ug/l #	49
31) Cyclohexane	4.99	56	7025	2.43	ug/l #	27
36) 1,1-Dichloropropene	4.99	75	15534	4.40	ug/l #	50
37) Ethyl Acetate	4.23	43	14048	3.57	ug/l #	73
38) Carbon Tetrachloride	4.99	117	19534	5.14	ug/l #	17
39) Methylcyclohexane	6.40	83	30021	6.82	ug/l #	35
40) Benzene	5.40	78	2354	0.23	ug/l	97
41) Methacrylonitrile	4.74	41	6828	3.13	ug/l #	50
43) Isopropyl Acetate	5.54	43	179349	28.44	ug/l #	61
47) Bromodichloromethane	6.74	83	3069	0.85	ug/l #	64
48) Methyl methacrylate	6.59	41	33877	10.78	ug/l #	35
55) 1,1,2-Trichloroethane	8.05	97	12329	4.57	ug/l #	18
56) Ethyl methacrylate	8.05	69	2721	0.65	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.06	63	1960	12.03	ug/l #	47
59) 2-Hexanone	8.34	43	3309	1.00	ug/l #	26
65) Chlorobenzene	9.12	112	144975	19.84	ug/l	99
73) Isopropylbenzene	10.17	105	45872	3.84	ug/l	96
74) N-amyl acetate	10.01	43	312	1.33	ug/l #	40
76) 1,2,3-Trichloropropane	10.31	75	87037	27.35	ug/l #	37
78) n-propylbenzene	10.59	91	5021	0.38	ug/l	97
79) 2-Chlorotoluene	10.50	91	1721	0.37	ug/l	84
80) 1,3,5-Trimethylbenzene	10.98	105	2580	0.26	ug/l	73

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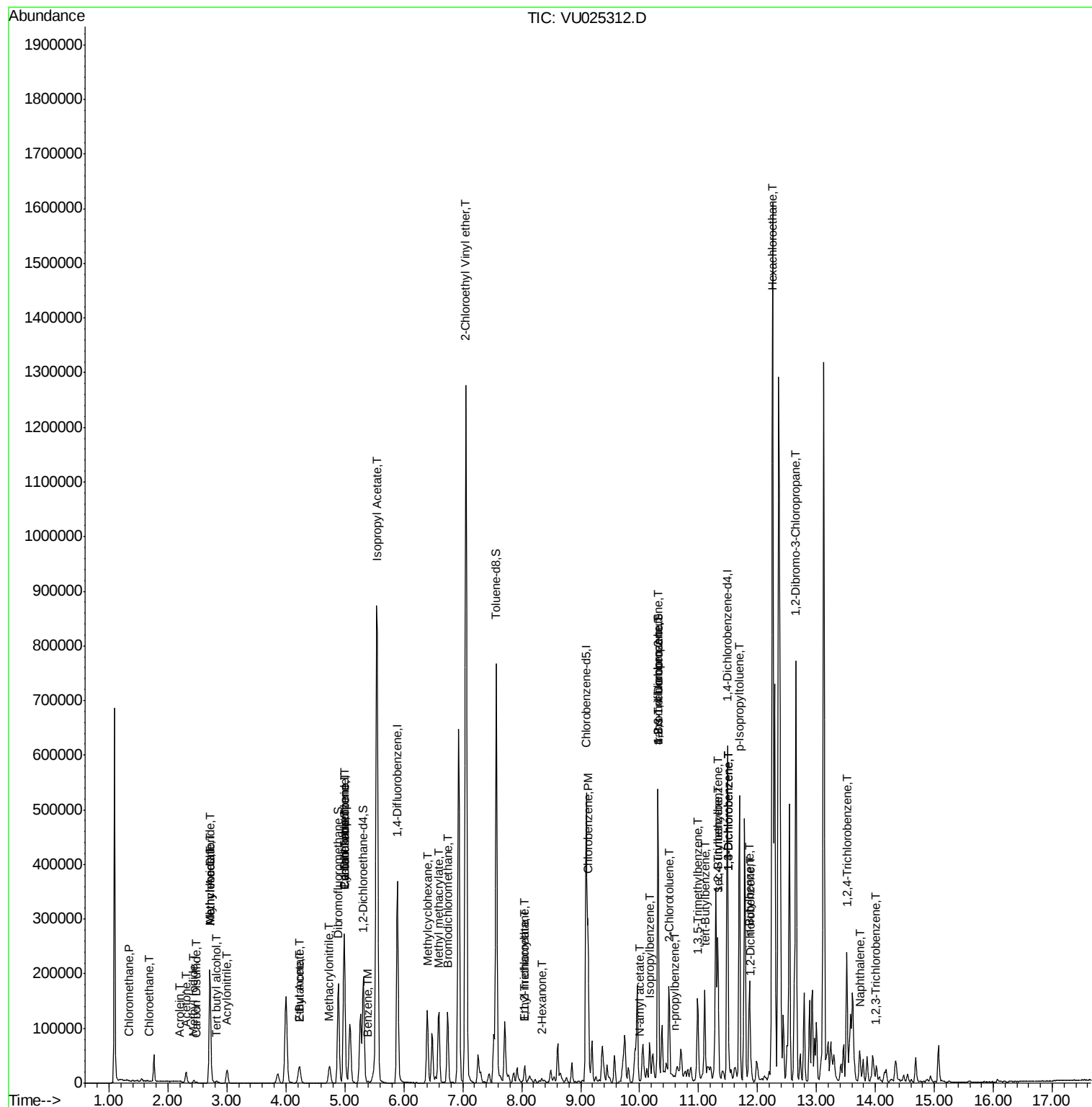
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	10.31	75	87037	69.81	ug/l #	100
83) tert-Butylbenzene	11.10	119	74914	7.37	ug/l	91
84) 1,2,4-Trimethylbenzene	11.33	105	160391	15.55	ug/l #	32
85) sec-Butylbenzene	11.33	105	160391	13.40	ug/l	93
86) p-Isopropyltoluene	11.69	119	290226	27.38	ug/l	97
87) 1,3-Dichlorobenzene	11.51	146	9505	1.70	ug/l	85
88) 1,4-Dichlorobenzene	11.51	146	9505	3.18	ug/l #	83
89) n-Butylbenzene	11.87	91	12571	1.44	ug/l #	13
90) Hexachloroethane	12.26	117	75434	42.03	ug/l #	7
91) 1,2-Dichlorobenzene	11.89	146	2705	0.48	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.65	75	3883	4.09	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.51	180	748	3.47	ug/l #	1
95) Naphthalene	13.74	128	11205	3.34	ug/l #	57
96) 1,2,3-Trichlorobenzene	14.00	180	897	2.75	ug/l #	81

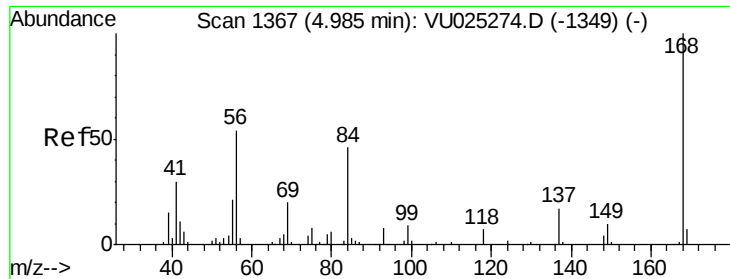
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

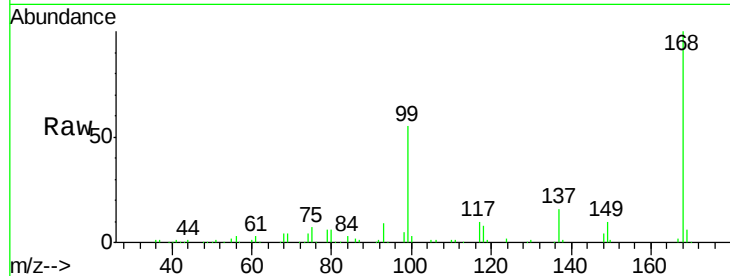
DUP-0494-180704

Tot Ion:168 Resp: 209205

Ion Ratio Lower Upper

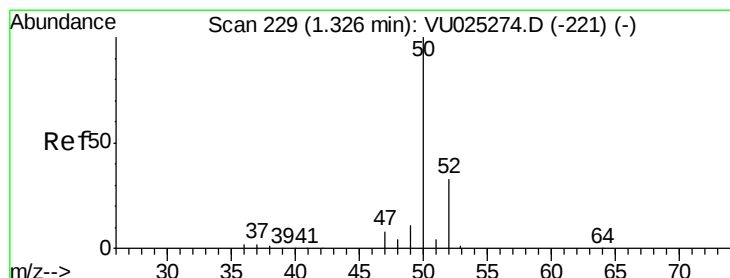
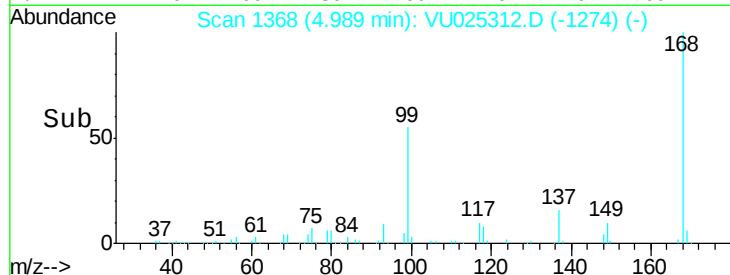
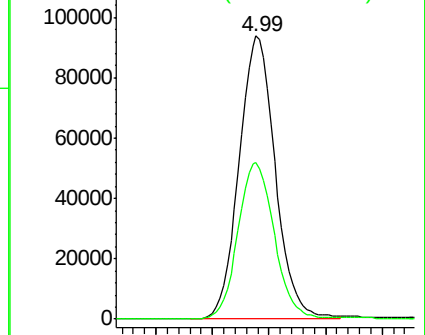
168 100

99 55.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)



#3

Chloromethane

Concen: 0.85 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.01 min

Lab File: VU025312.D

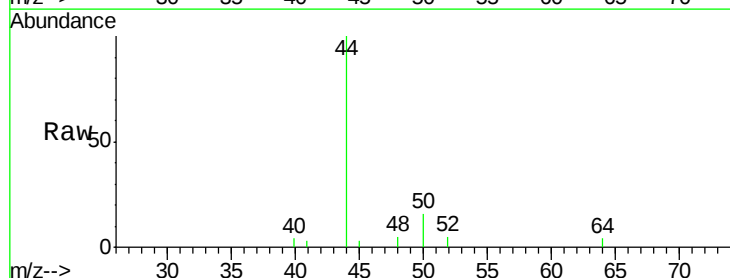
Acq: 11 Jul 2018 14:14

Tgt Ion: 50 Resp: 625

Ion Ratio Lower Upper

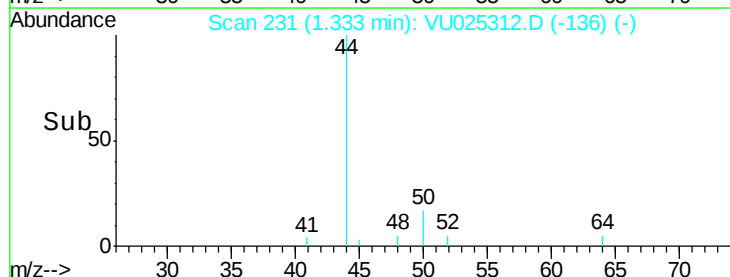
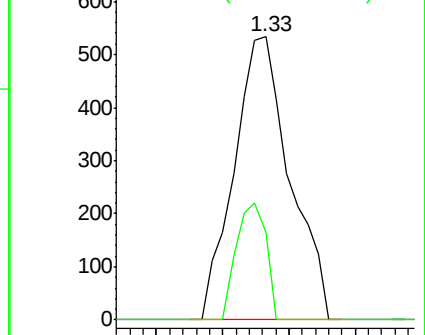
50 100

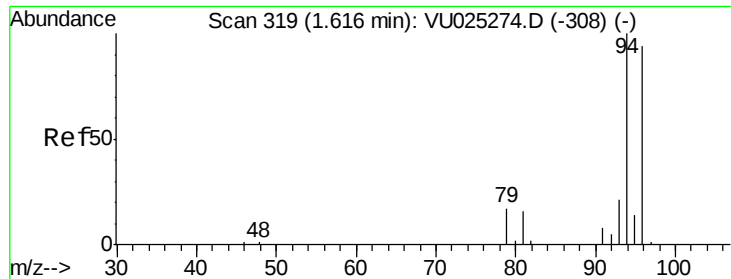
52 30.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 327

Delta R.T. 0.03 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

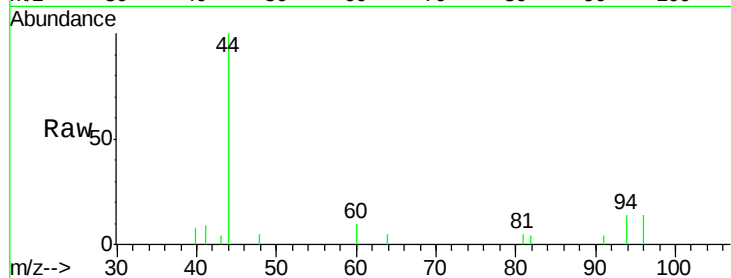
DUP-0494-180704

Tot Ion: 94 Resp: 584

Ion Ratio Lower Upper

94 100

96 99.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

400

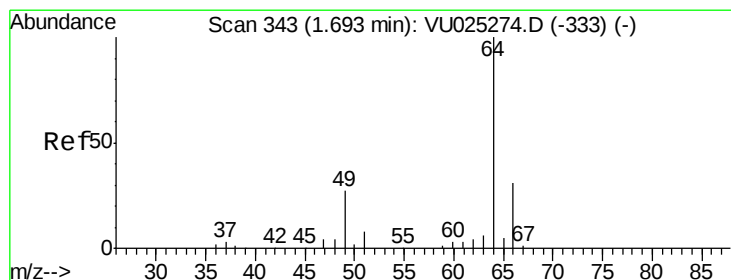
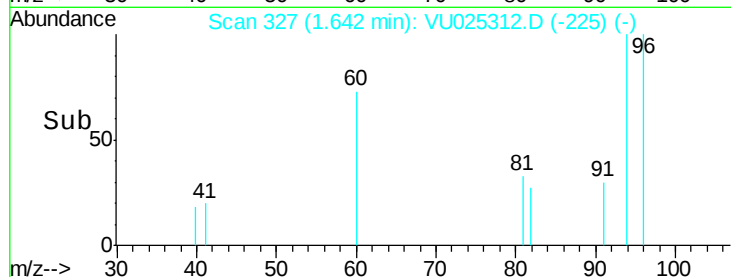
300

200

100

0

Time--> 1.60 1.62 1.64 1.66 1.68



#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU025312.D

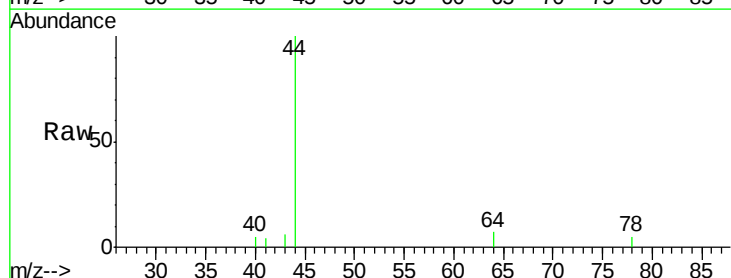
Acq: 11 Jul 2018 14:14

Tgt Ion: 64 Resp: 253

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

200

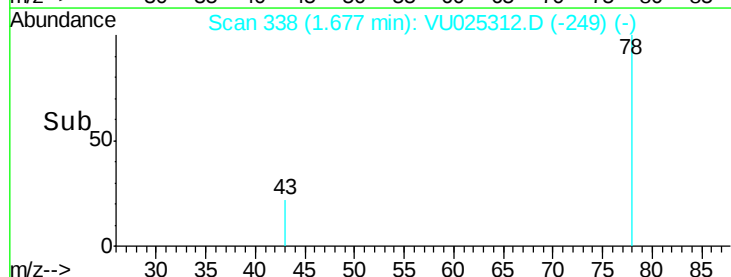
150

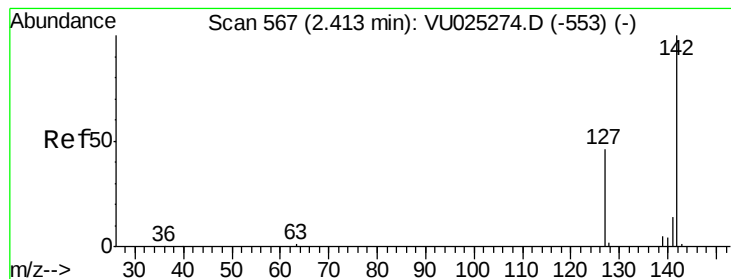
100

50

0

Time--> 1.66 1.68 1.70





#10

Methvl Iodide

Concen: 7.91 ug/l

RT: 2.43 min Scan# 571

Delta R.T. 0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

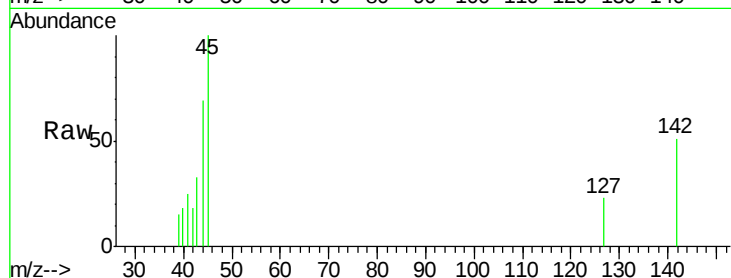
Tot Ion:142 Resp: 615

Ion Ratio Lower Upper

142 100

127 28.3 36.5 54.7#

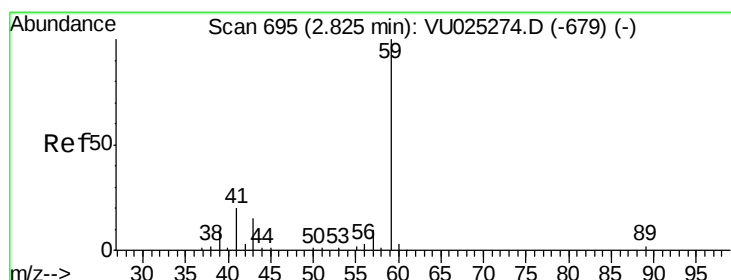
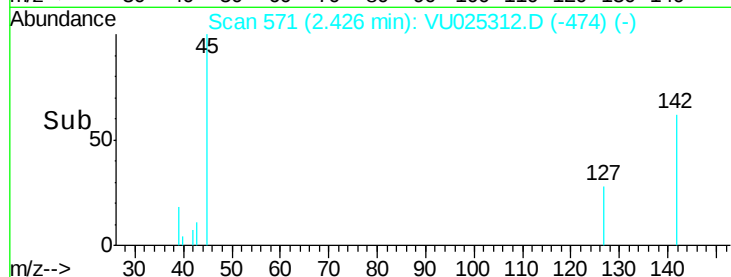
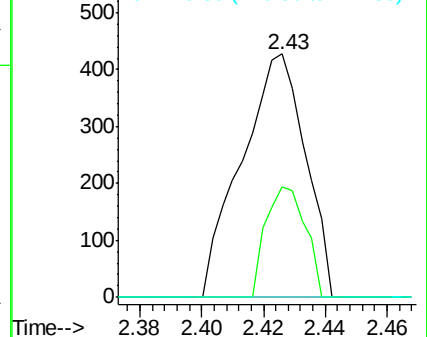
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.15 ug/l

RT: 2.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VU025312.D

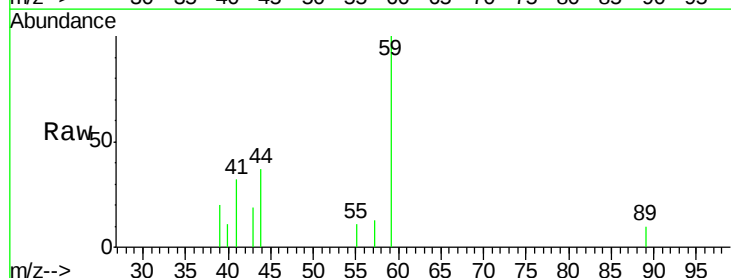
Acq: 11 Jul 2018 14:14

Tgt Ion: 59 Resp: 2940

Ion Ratio Lower Upper

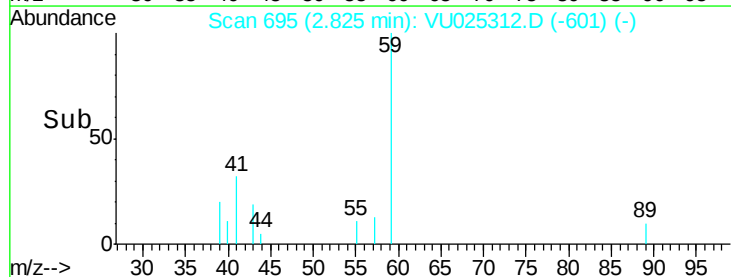
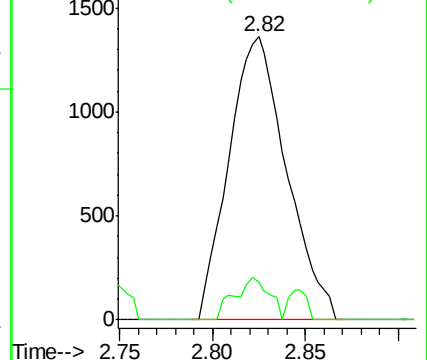
59 100

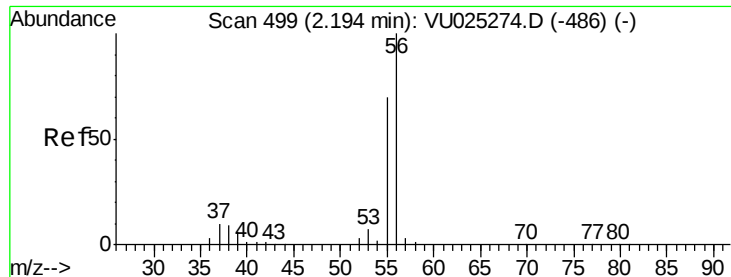
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.35 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

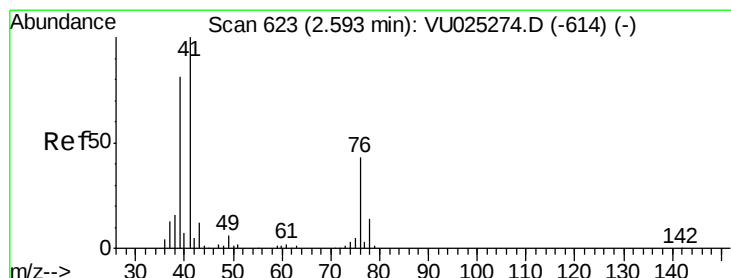
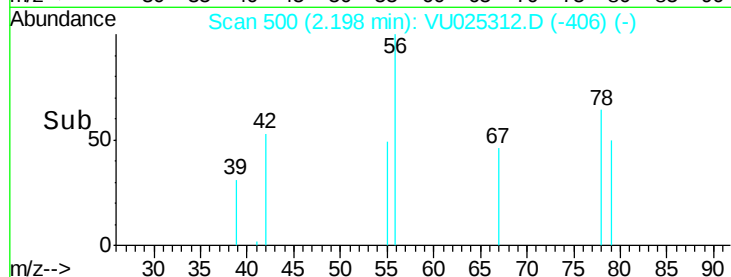
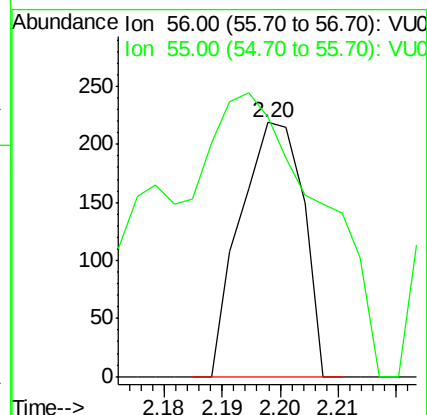
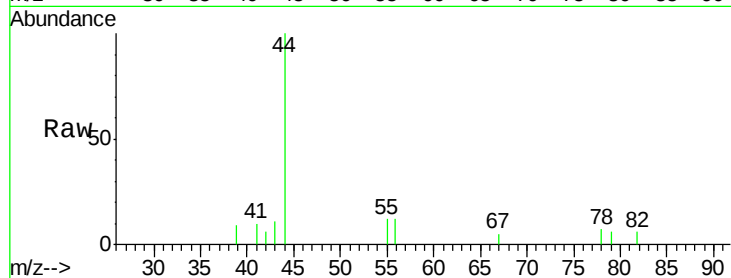
DUP-0494-180704

Tot Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 277.6 57.2 85.8#



#14

Allyl chloride

Concen: 15.04 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.12 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

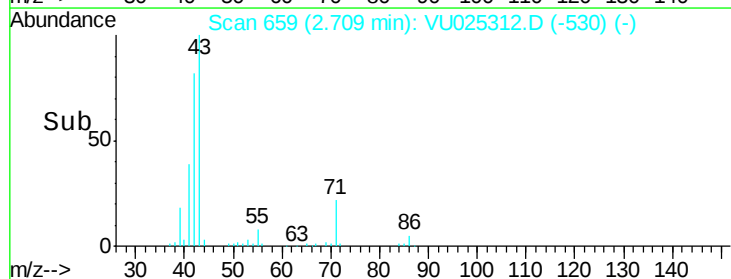
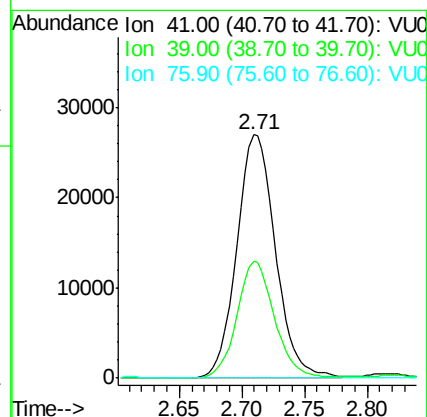
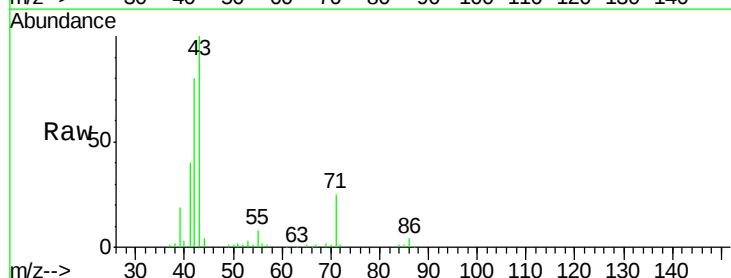
Tgt Ion: 41 Resp: 57852

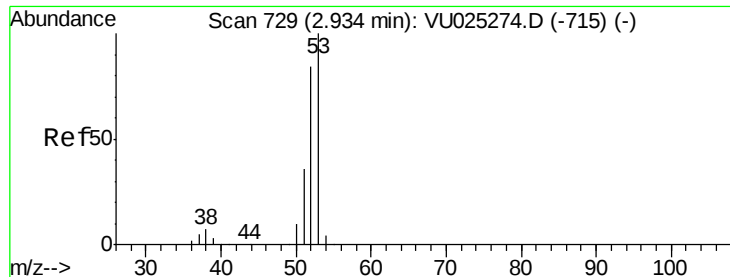
Ion Ratio Lower Upper

41 100

39 46.7 60.6 91.0#

76 0.0 30.5 45.7#





#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.00 min Scan# 749

Delta R.T. 0.06 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

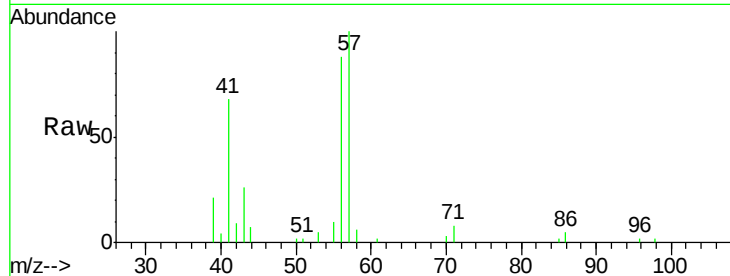
Tot Ion: 53 Resp: 447

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

51 27.7 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

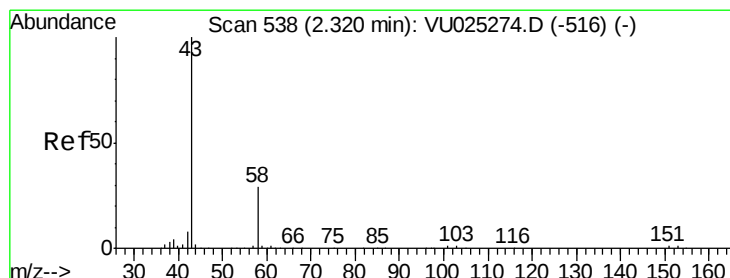
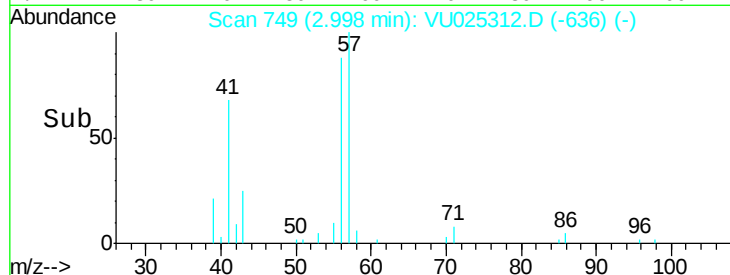
3.00

200

100

0

Time-->



#16

Acetone

Concen: 9.70 ug/l

RT: 2.31 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU025312.D

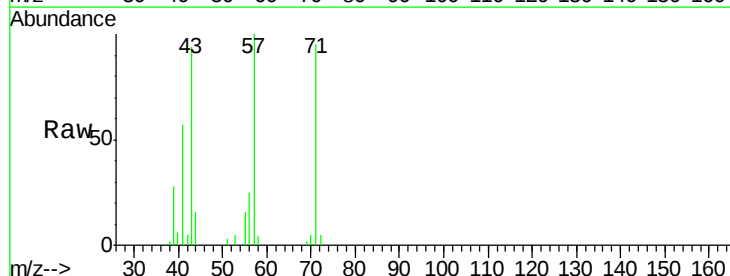
Acq: 11 Jul 2018 14:14

Tgt Ion: 43 Resp: 8179

Ion Ratio Lower Upper

43 100

58 3.7 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.31

4000

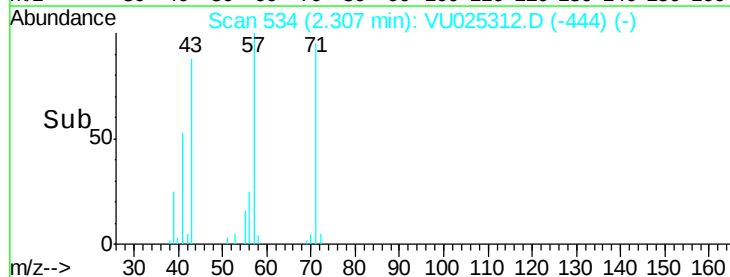
3000

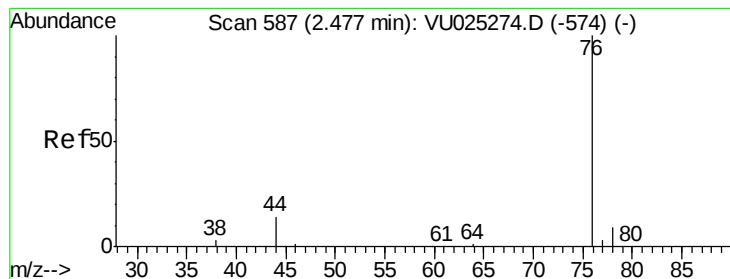
2000

1000

0

Time-->





#17

Carbon Disulfide

Concen: 2.11 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

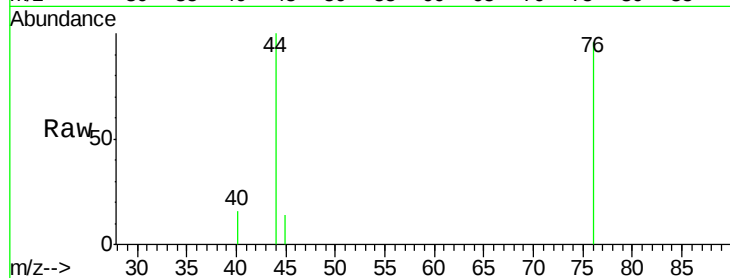
DUP-0494-180704

Tot Ion: 76 Resp: 1141

Ion Ratio Lower Upper

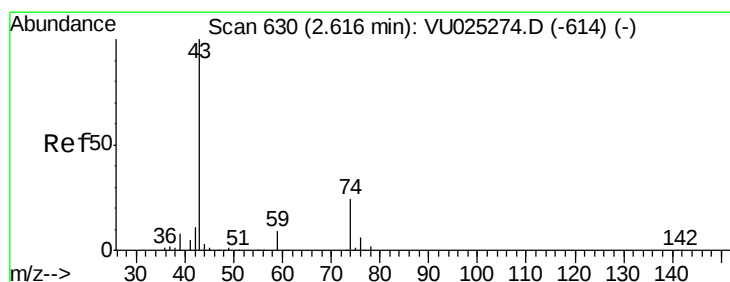
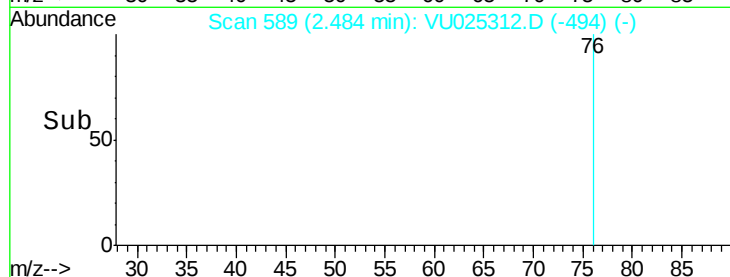
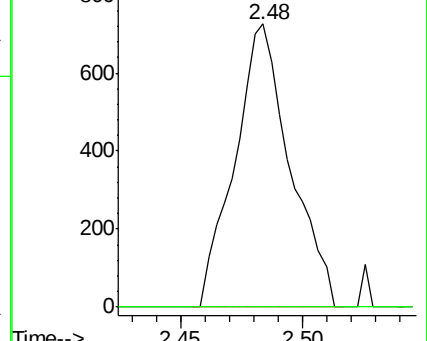
76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 42.14 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.10 min

Lab File: VU025312.D

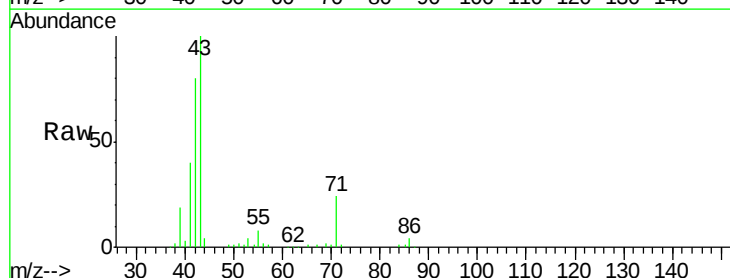
Acq: 11 Jul 2018 14:14

Tgt Ion: 43 Resp: 140248

Ion Ratio Lower Upper

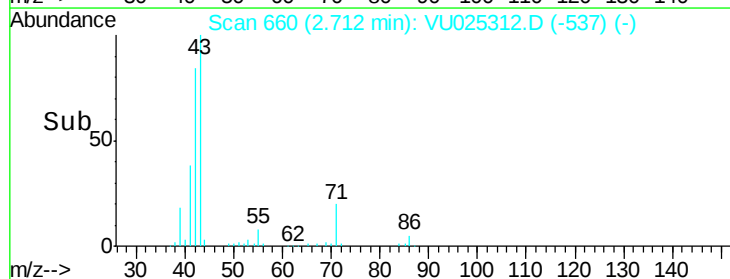
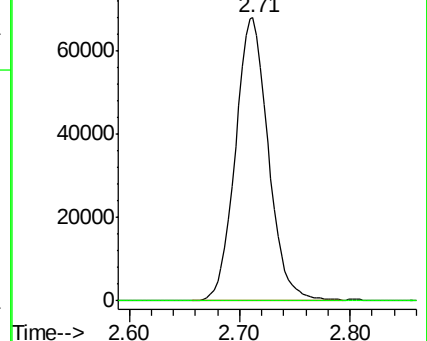
43 100

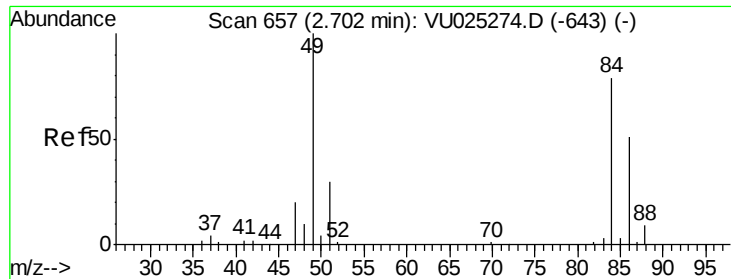
74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

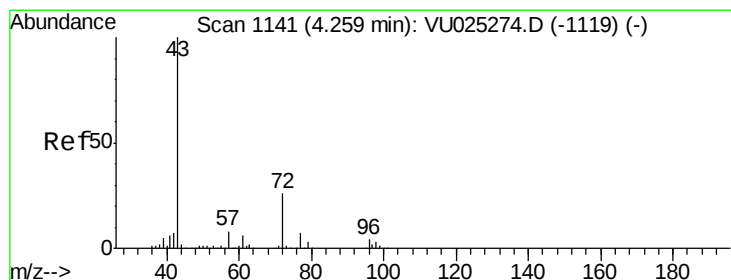
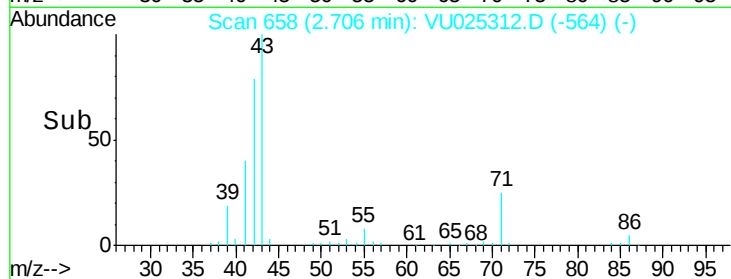
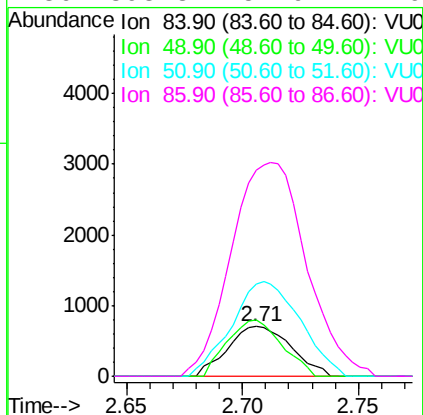
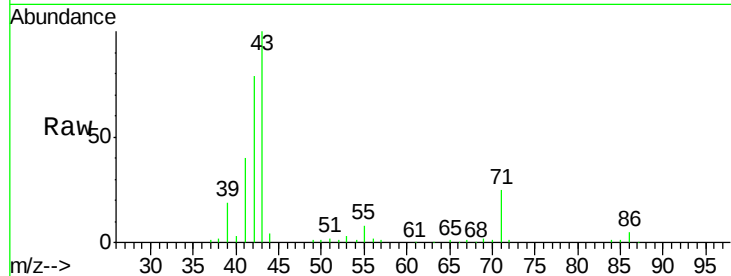




#20
Methylene Chloride
Concen: 1.21 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

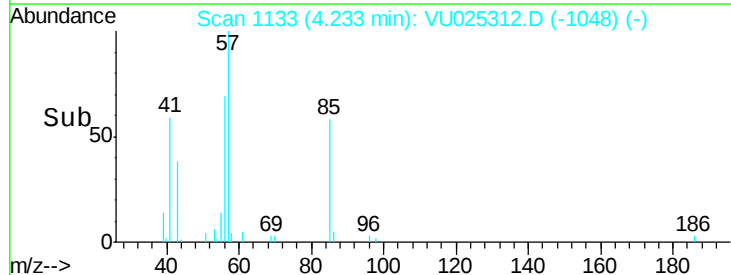
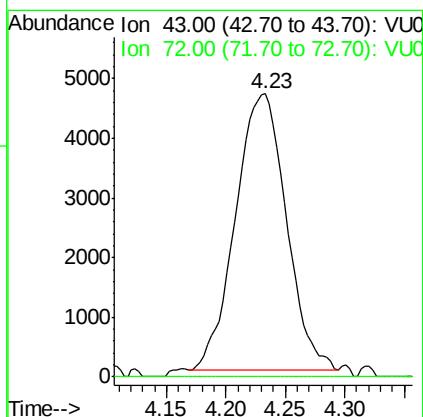
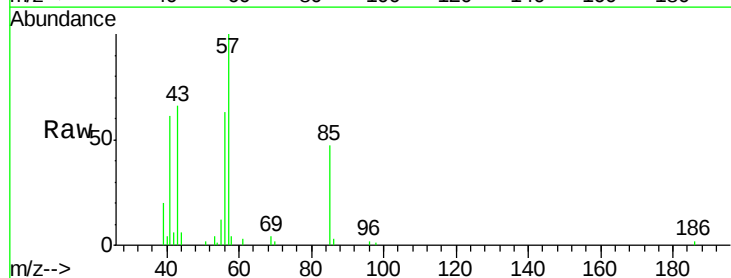
Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

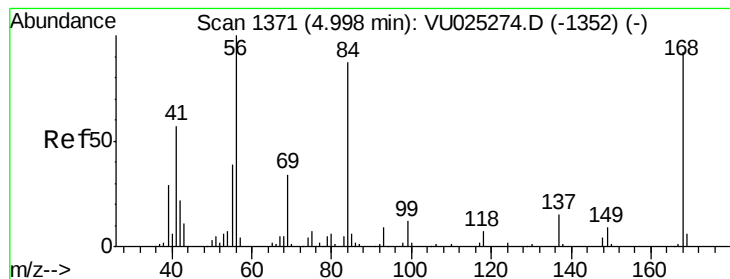
Tot Ion: 84 Resp: 1334
Ion Ratio Lower Upper
84 100
49 113.1 101.8 152.6
51 184.2 30.8 46.2#
86 398.3 51.9 77.9#



#25
2-Butanone
Concen: 6.07 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.03 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion: 43 Resp: 13665
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#31

Cyclohexane

Concen: 2.43 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

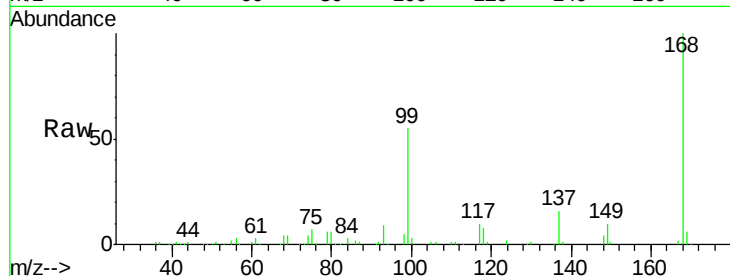
Tot Ion: 56 Resp: 7025

Ion Ratio Lower Upper

56 100

69 132.3 26.8 40.2#

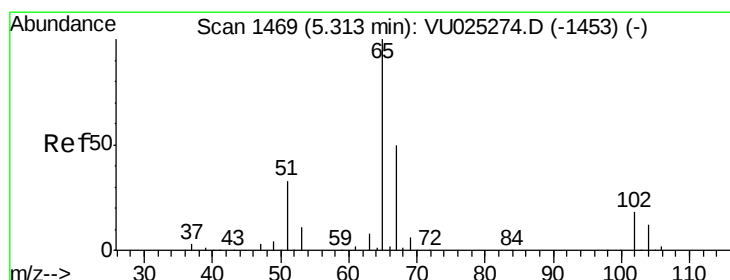
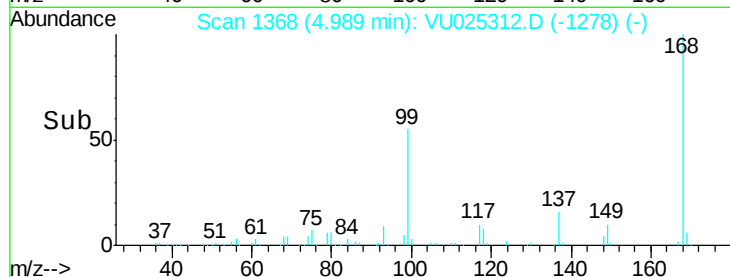
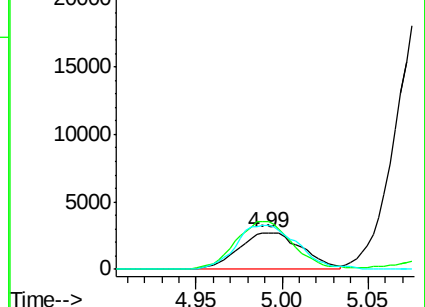
84 118.5 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 48.80 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025312.D

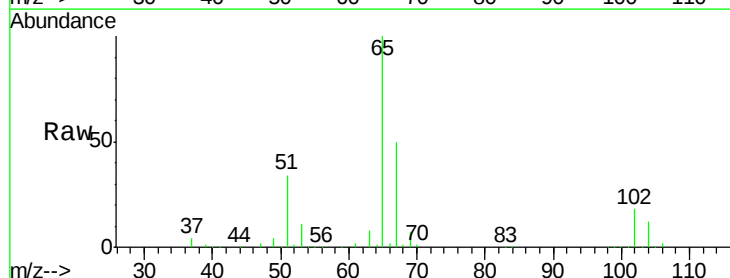
Acq: 11 Jul 2018 14:14

Tgt Ion: 65 Resp: 158604

Ion Ratio Lower Upper

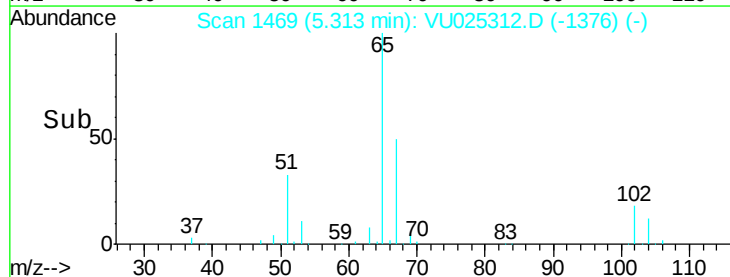
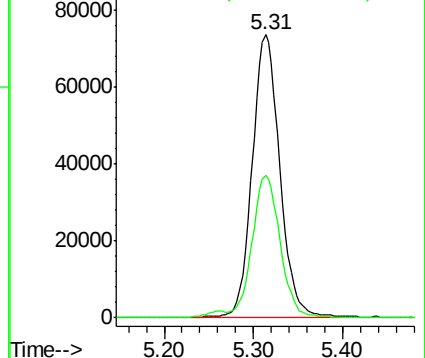
65 100

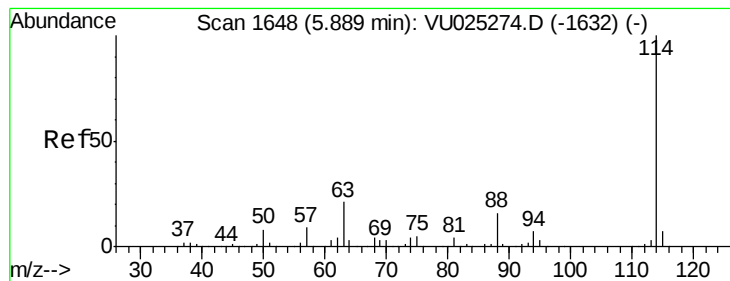
67 50.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

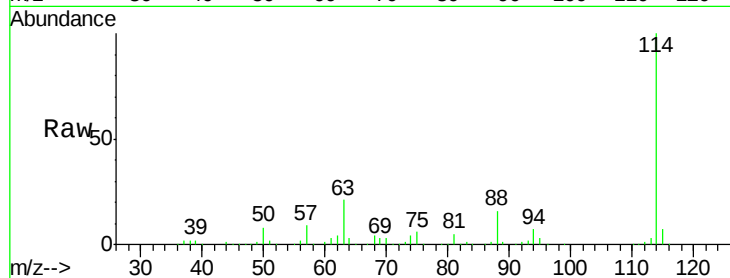
Tot Ion:114 Resp: 317615

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

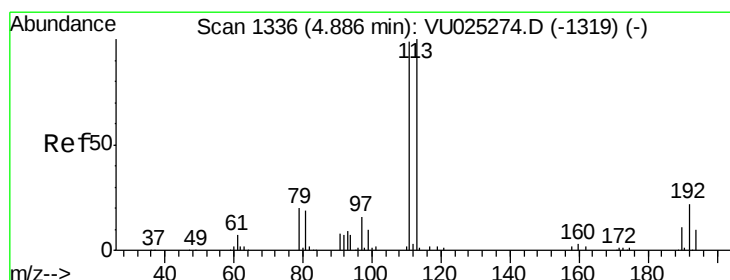
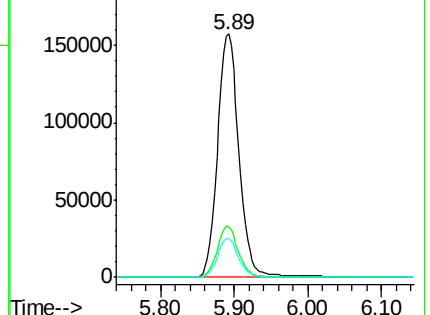
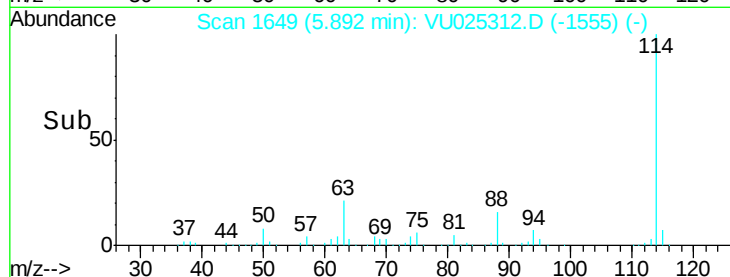
88 16.0 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 45.94 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

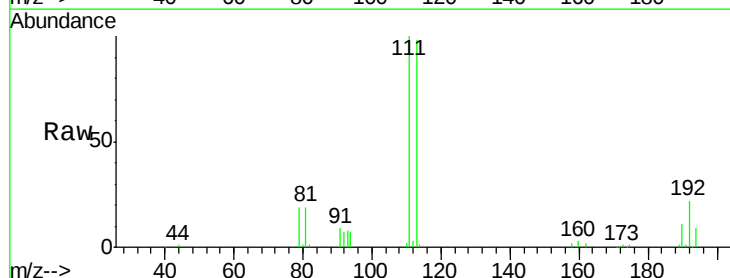
Tgt Ion:113 Resp: 123100

Ion Ratio Lower Upper

113 100

111 101.8 81.7 122.5

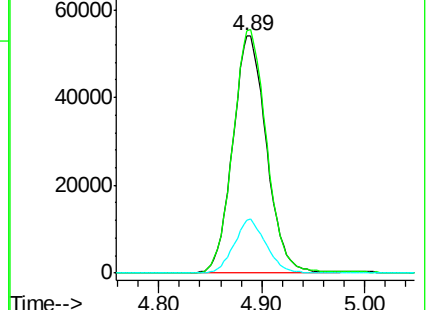
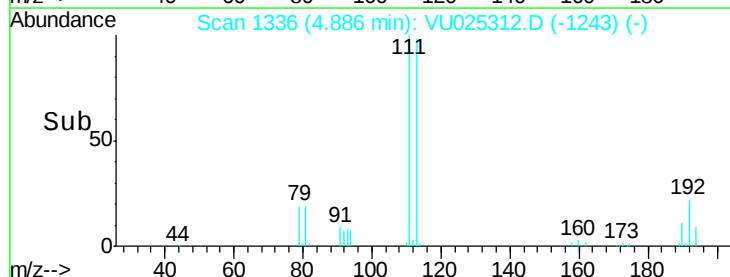
192 21.5 17.1 25.7

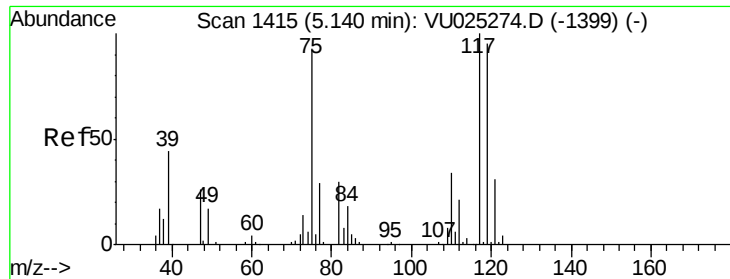


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

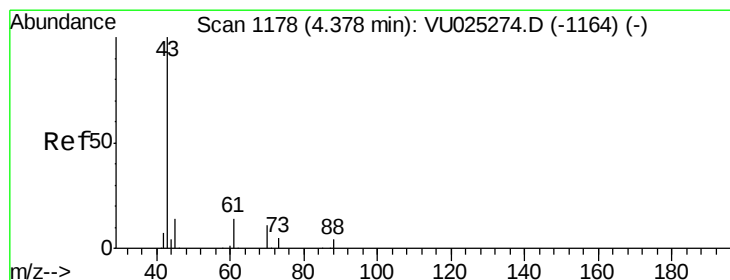
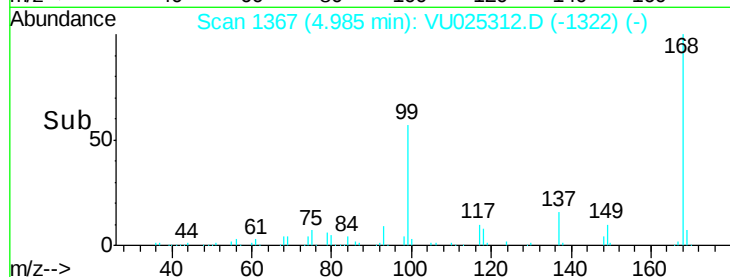
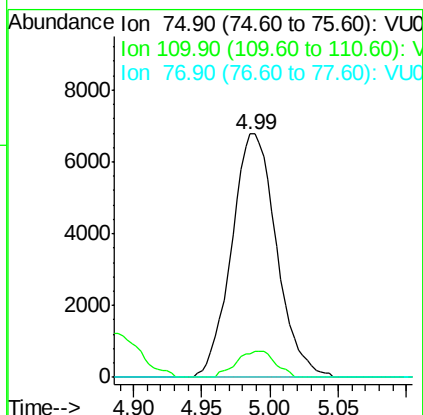
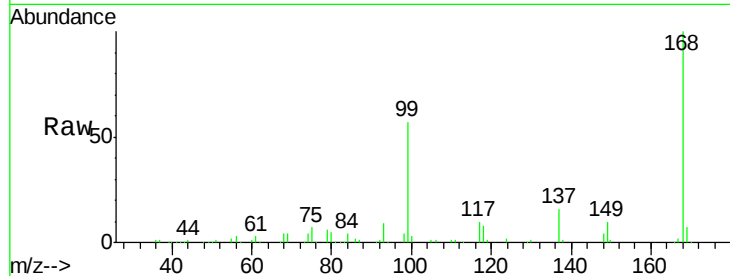




#36
 1,1-Dichloropropene
 Concen: 4.40 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

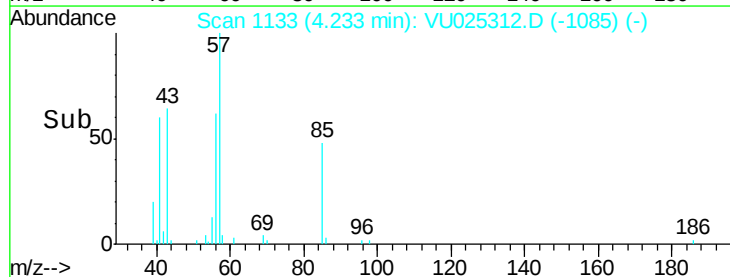
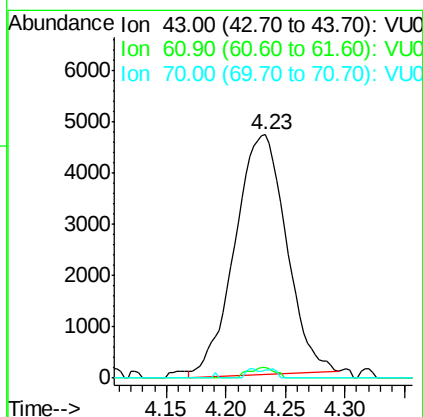
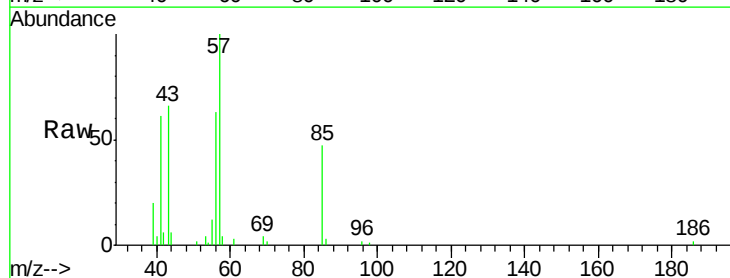
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

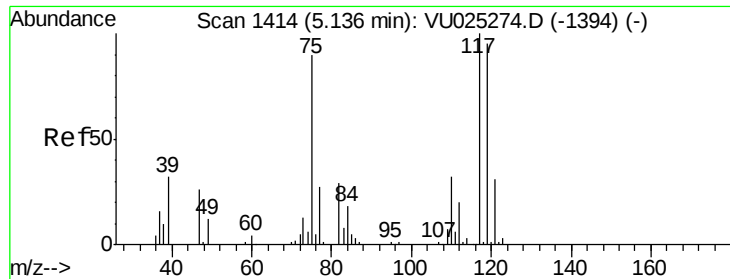
Tot Ion: 75 Resp: 15534
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 3.57 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.14 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Tgt Ion: 43 Resp: 14048
 Ion Ratio Lower Upper
 43 100
 61 2.3 10.7 16.1#
 70 1.1 8.4 12.6#

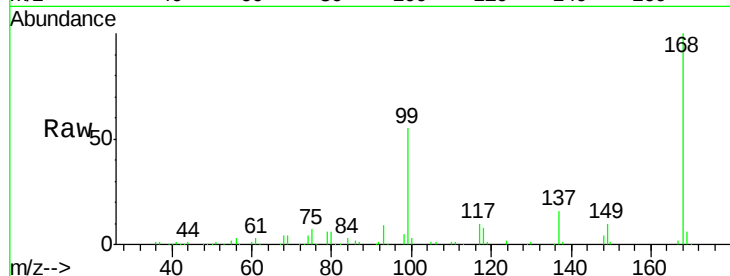




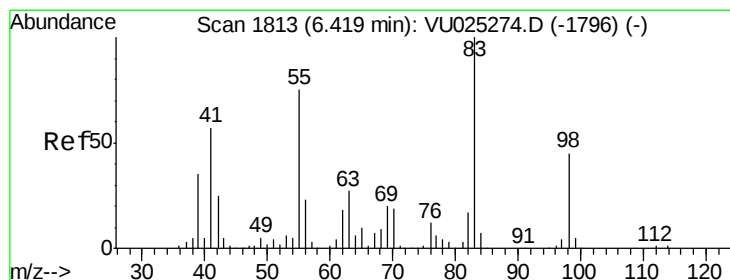
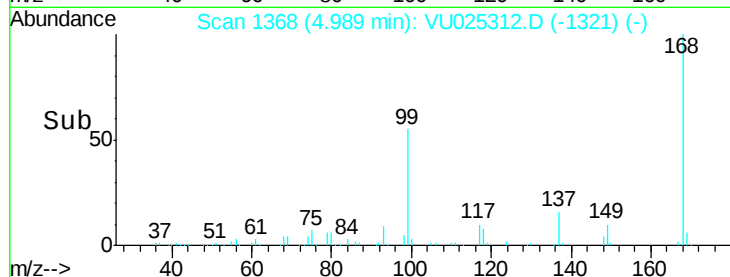
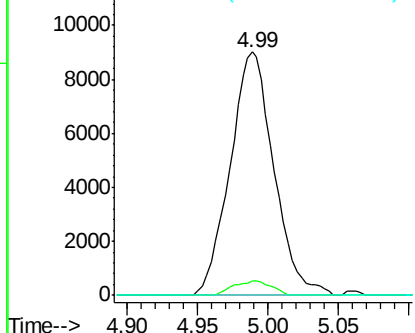
#38
Carbon Tetrachloride
Concen: 5.14 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

Tot Ion:117 Resp: 19534
Ion Ratio Lower Upper
117 100
119 5.7 75.7 113.5#
121 0.0 24.6 36.8#

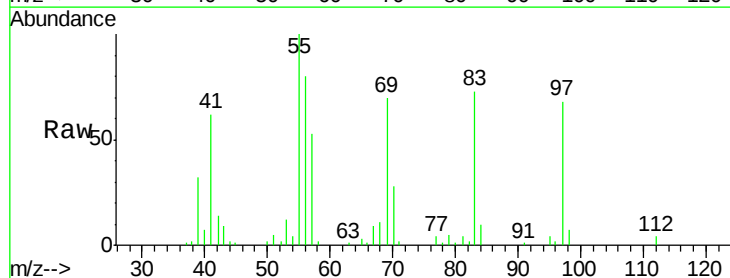


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

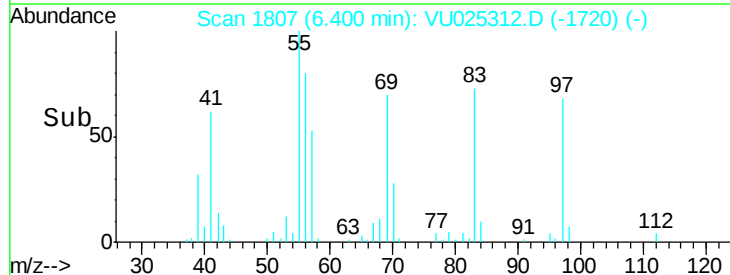
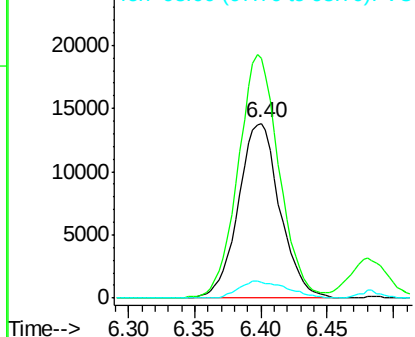


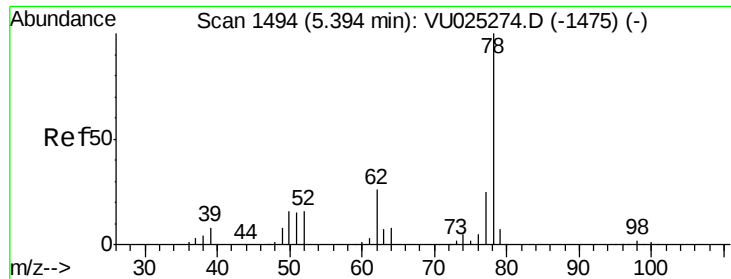
#39
Methylcyclohexane
Concen: 6.82 ug/l
RT: 6.40 min Scan# 1807
Delta R.T. -0.02 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion: 83 Resp: 30021
Ion Ratio Lower Upper
83 100
55 135.9 60.0 90.0#
98 8.9 36.1 54.1#



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





#40

Benzene

Concen: 0.23 ug/l

RT: 5.40 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

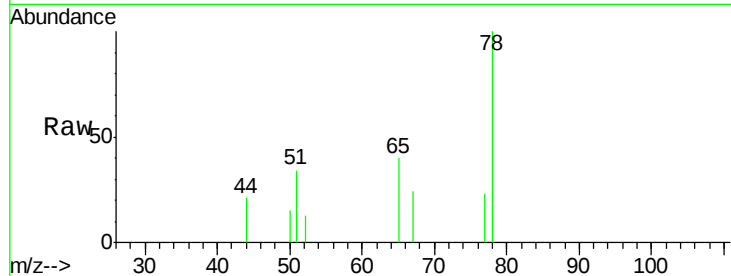
DUP-0494-180704

Tot Ion: 78 Resp: 2354

Ion Ratio Lower Upper

78 100

77 23.0 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.40

1200

1000

800

600

400

200

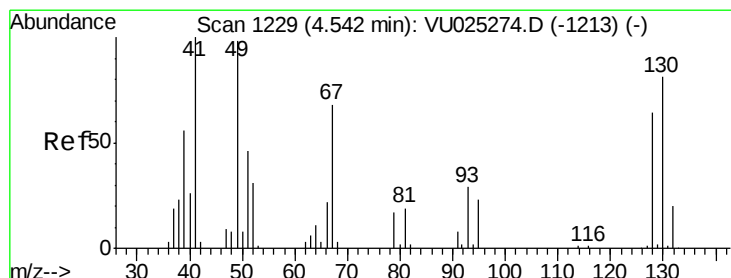
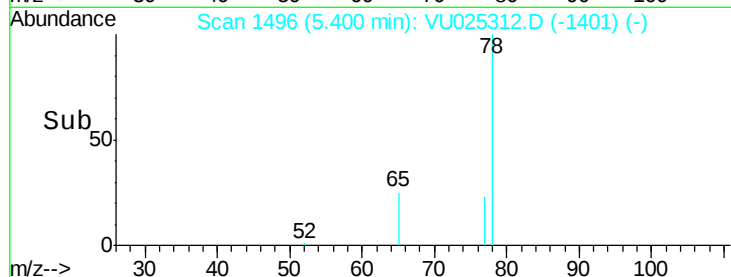
0

Time-->

5.35

5.40

5.45



#41

Methacrylonitrile

Concen: 3.13 ug/l

RT: 4.74 min Scan# 1291

Delta R.T. 0.20 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Tgt Ion: 41 Resp: 6828

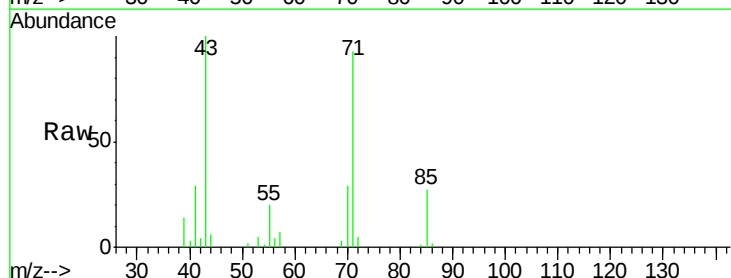
Ion Ratio Lower Upper

41 100

39 52.7 44.4 66.6

67 1.5 56.0 84.0#

52 0.0 24.6 36.8#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

3000

2000

1000

0

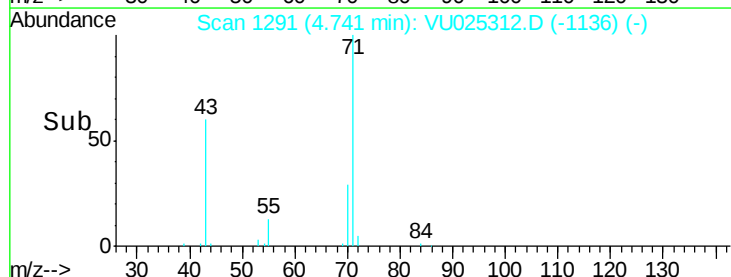
Time-->

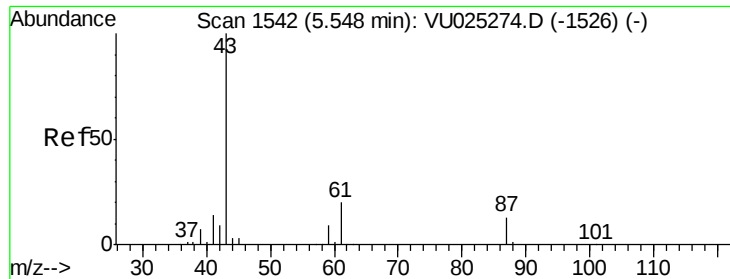
4.65

4.70

4.75

4.80





#43

Isopropyl Acetate

Concen: 28.44 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

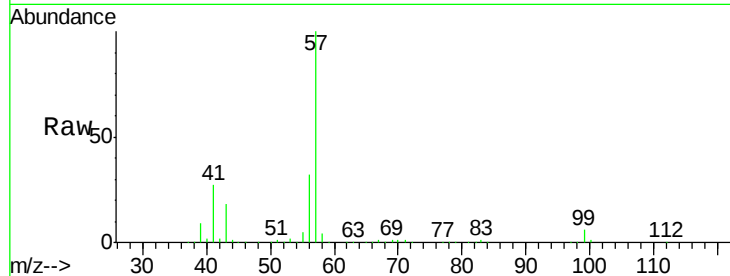
Tot Ion: 43 Resp: 179349

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

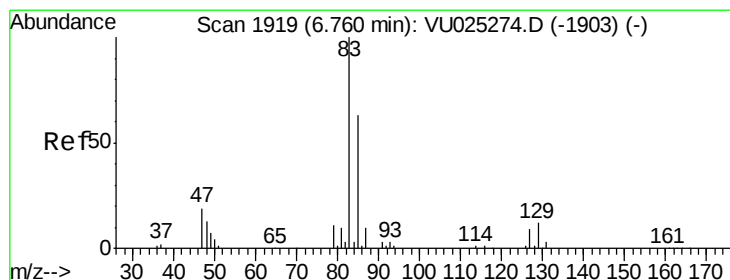
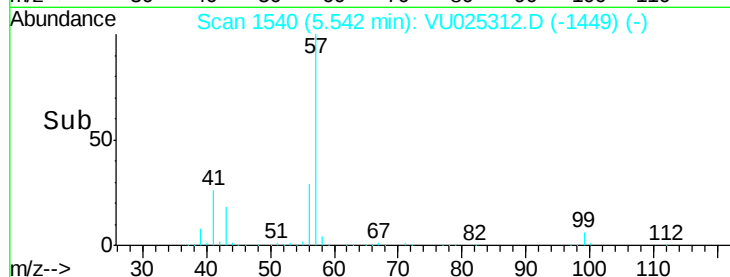
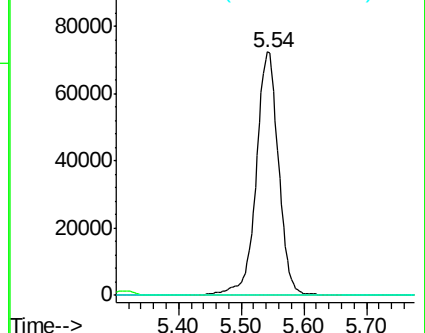
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#47

Bromodichloromethane

Concen: 0.85 ug/l

RT: 6.74 min Scan# 1914

Delta R.T. -0.02 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

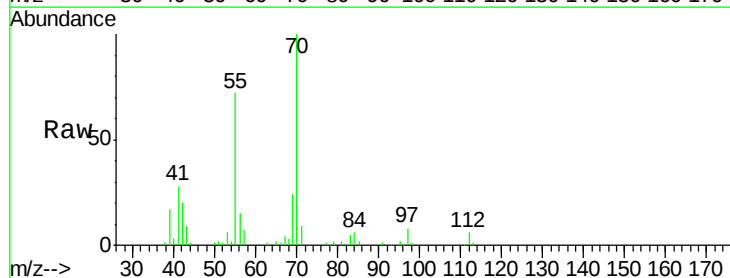
Tgt Ion: 83 Resp: 3069

Ion Ratio Lower Upper

83 100

85 33.9 50.2 75.4#

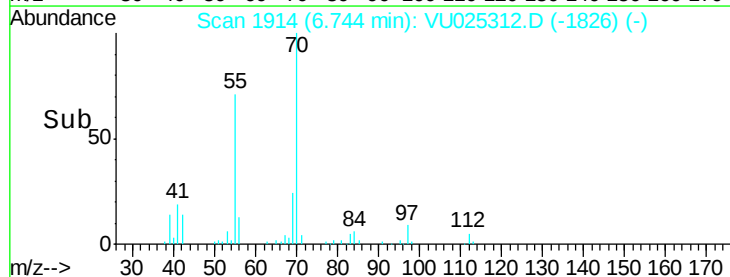
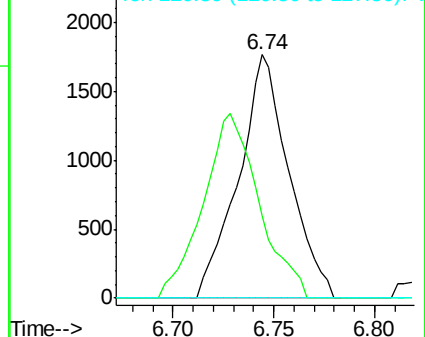
127 0.0 7.2 10.8#

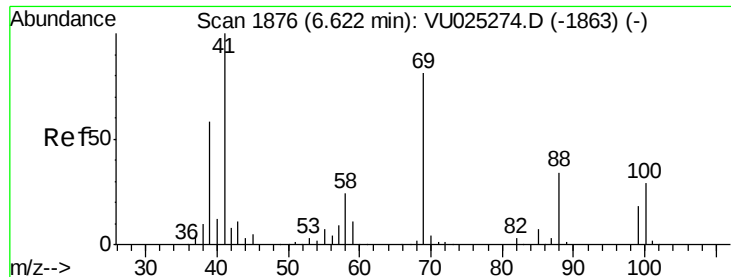


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V

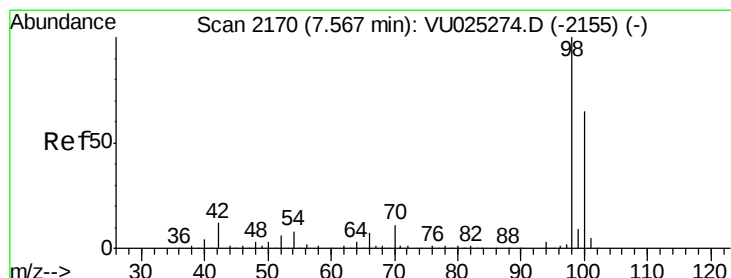
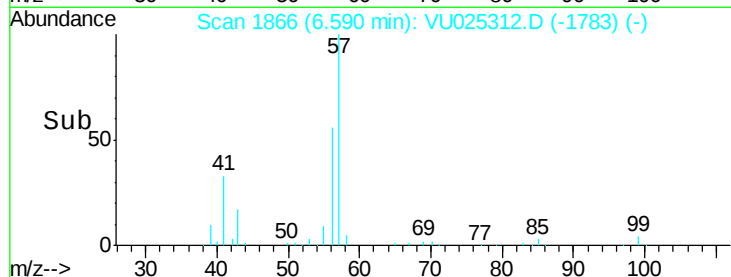
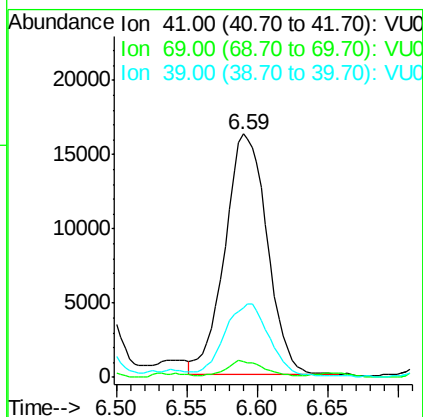
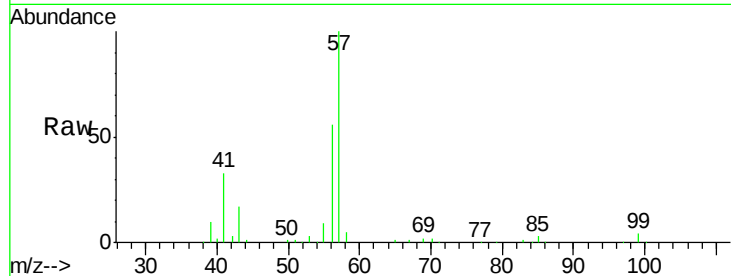




#48
Methvl methacrylate
Concen: 10.78 ug/l
RT: 6.59 min Scan# 1866
Delta R.T. -0.03 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

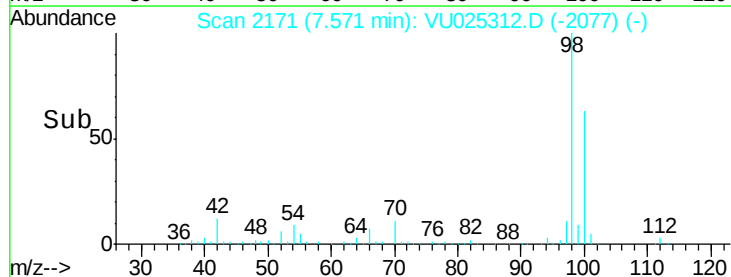
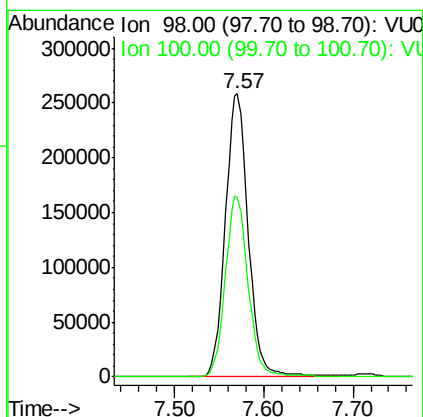
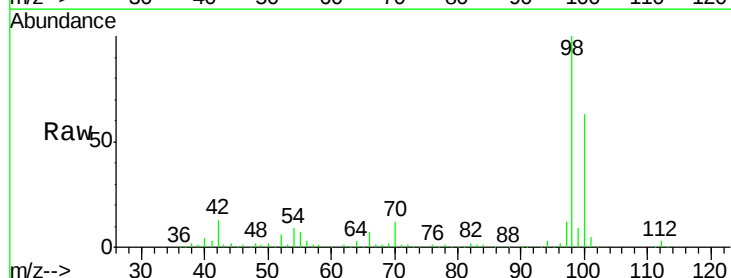
Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

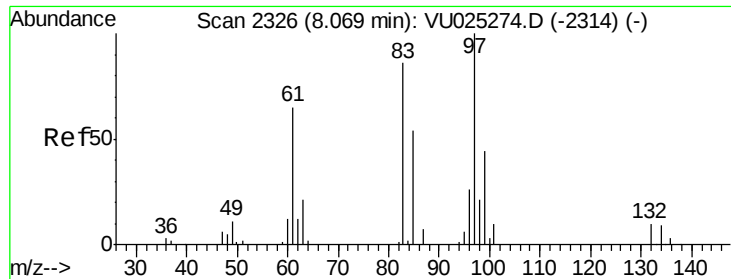
Tot Ion: 41 Resp: 33877
Ion Ratio Lower Upper
41 100
69 5.6 65.0 97.4#
39 31.1 46.4 69.6#



#50
Toluene-d8
Concen: 50.31 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion: 98 Resp: 461630
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7

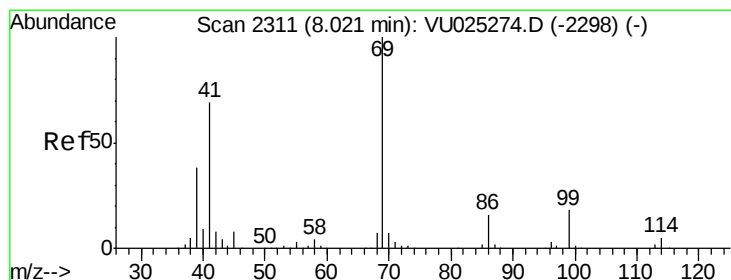
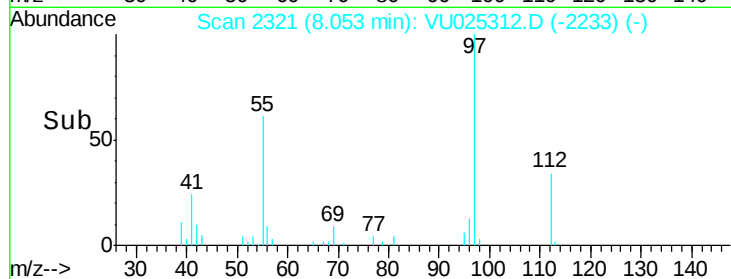
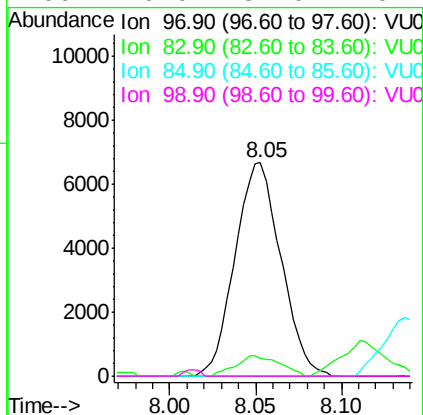
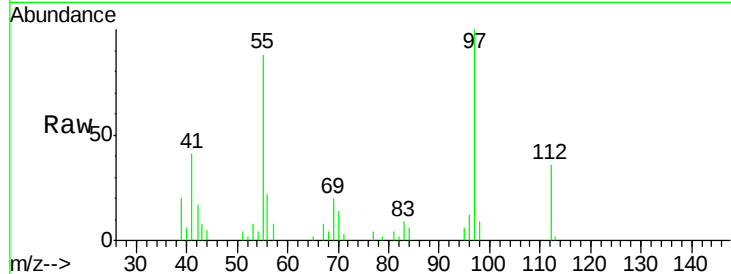




#55
 1,1,2-Trichloroethane
 Concen: 4.57 ug/l
 RT: 8.05 min Scan# 2321
 Delta R.T. -0.02 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

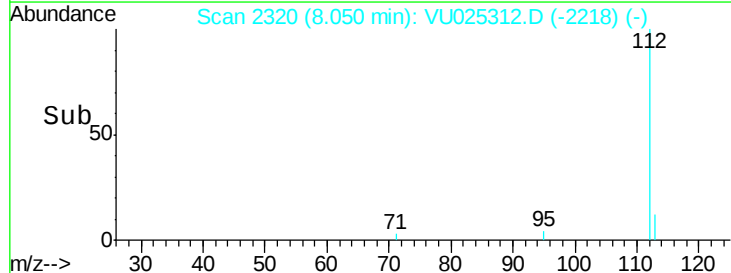
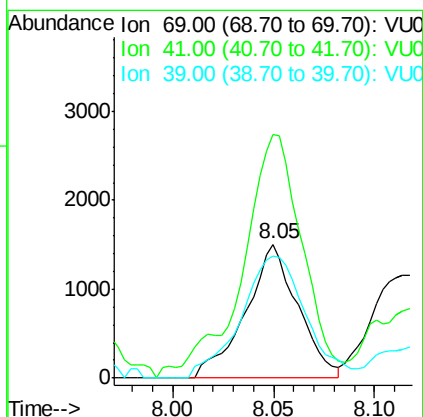
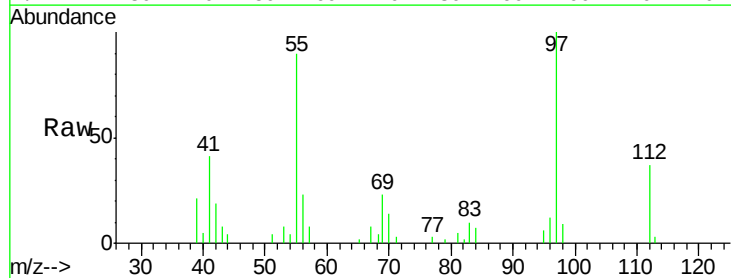
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

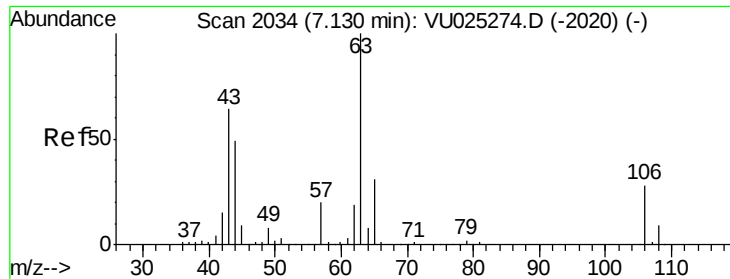
Tot Ion: 97 Resp: 12329
 Ion Ratio Lower Upper
 97 100
 83 6.5 68.9 103.3#
 85 0.0 44.4 66.6#
 99 0.0 51.0 76.4#



#56
 Ethyl methacrylate
 Concen: 0.65 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. 0.03 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Tgt Ion: 69 Resp: 2721
 Ion Ratio Lower Upper
 69 100
 41 207.9 54.8 82.2#
 39 112.7 31.1 46.7#

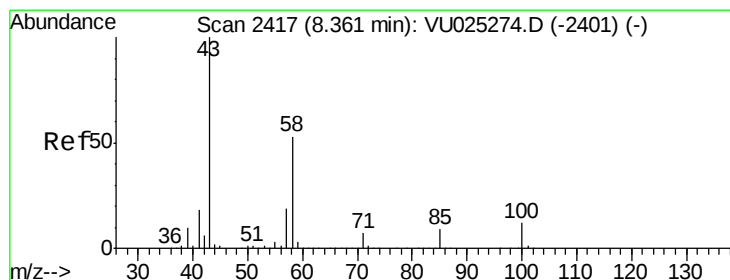
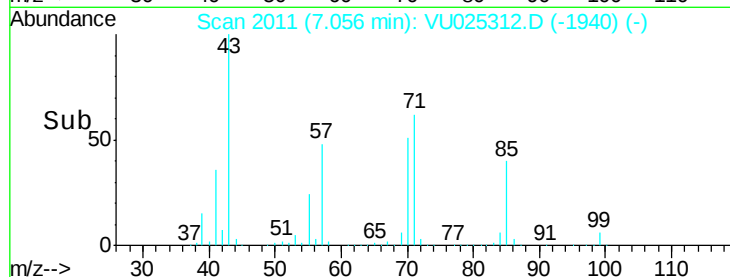
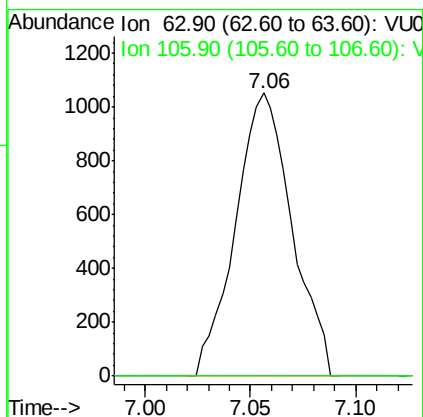
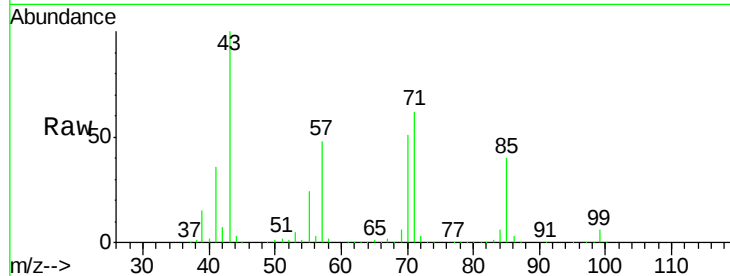




#58
2-Chloroethyl Vinyl ether
Concen: 12.03 ug/l
RT: 7.06 min Scan# 2011
Delta R.T. -0.07 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

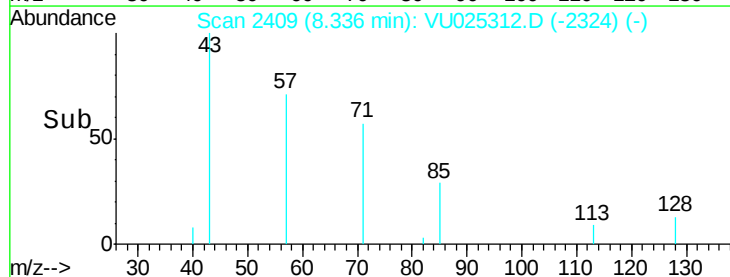
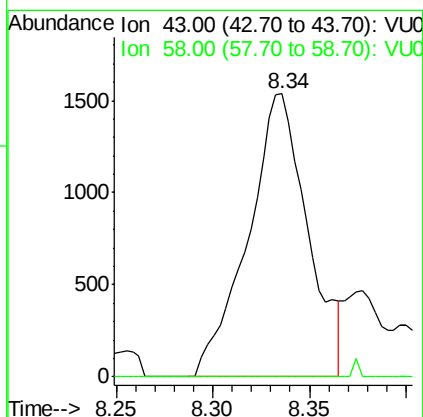
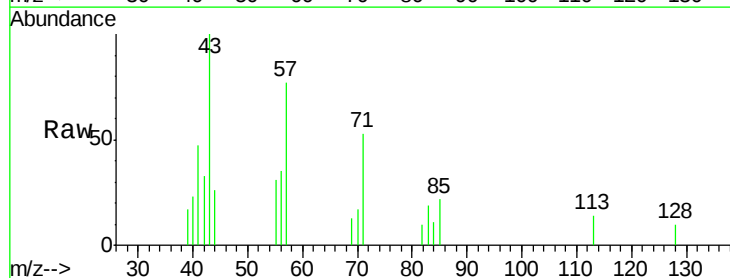
Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

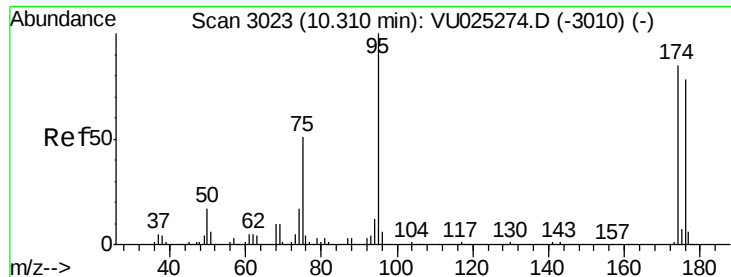
Tot Ion: 63 Resp: 1960
Ion Ratio Lower Upper
63 100
106 0.0 22.3 33.5#



#59
2-Hexanone
Concen: 1.00 ug/l
RT: 8.34 min Scan# 2409
Delta R.T. -0.03 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion: 43 Resp: 3309
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 45.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

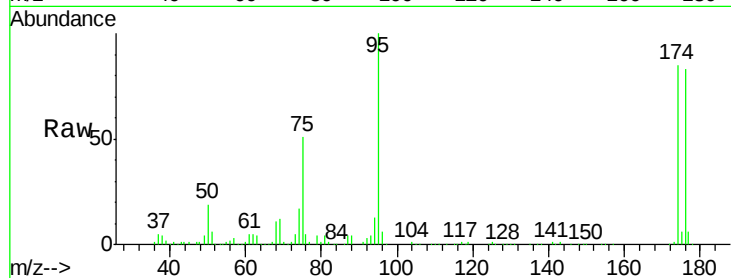
Tot Ion: 95 Resp: 167620

Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

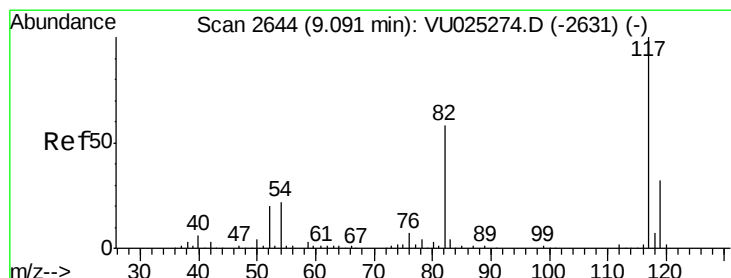
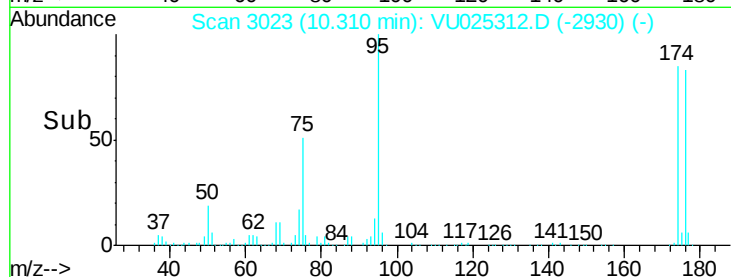
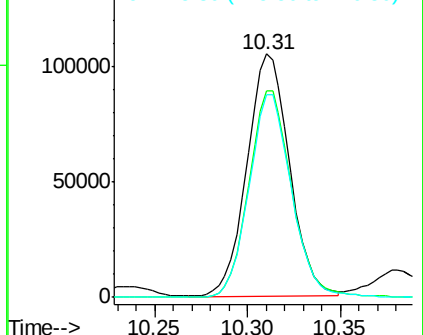
176 83.9 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

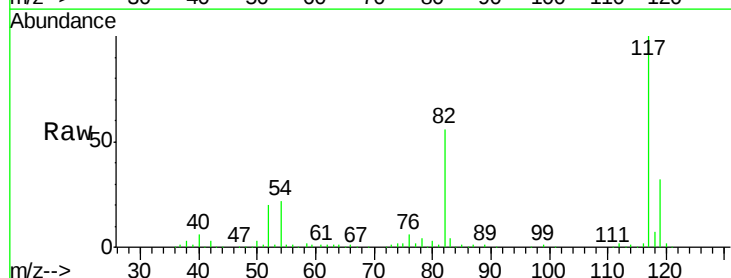
Tgt Ion: 117 Resp: 292571

Ion Ratio Lower Upper

117 100

82 55.6 46.0 69.0

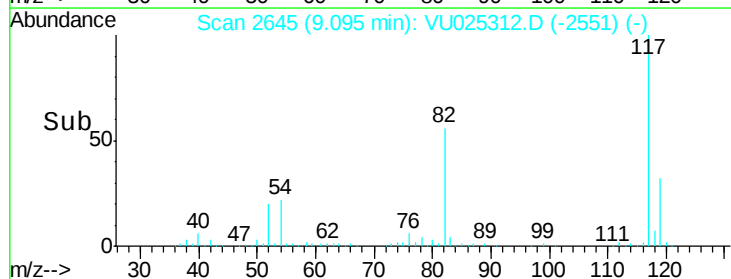
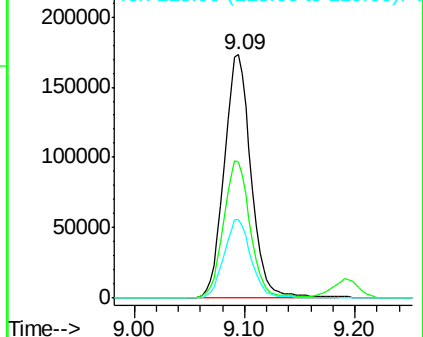
119 32.4 26.0 39.0

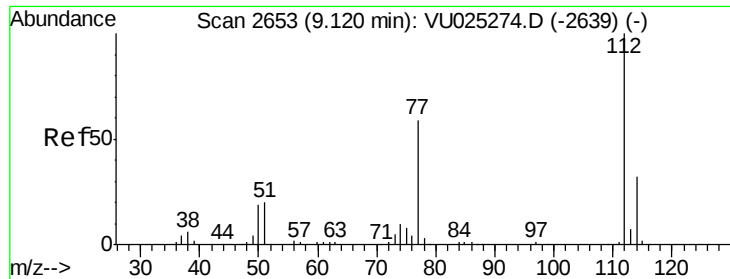


Abundance Ion 116.90 (116.60 to 117.60): VU025274.D (-2631) (-)

Ion 82.00 (81.70 to 82.70): VU025274.D (-2631) (-)

Ion 118.90 (118.60 to 119.60): VU025274.D (-2631) (-)

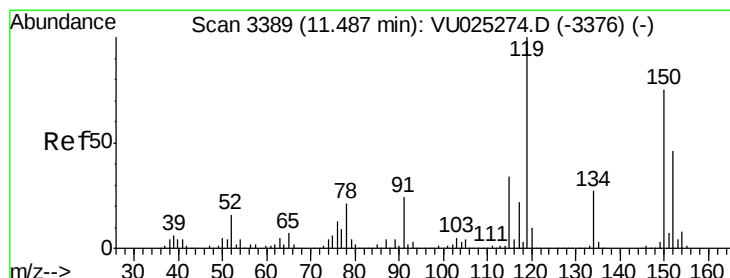
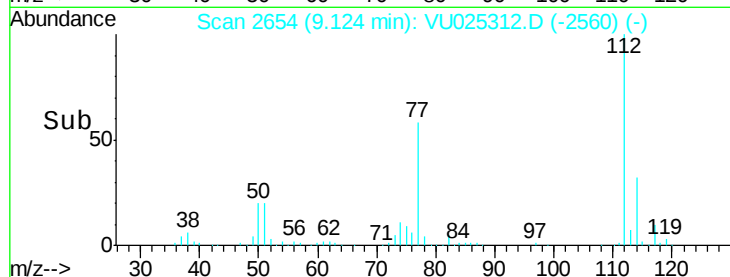
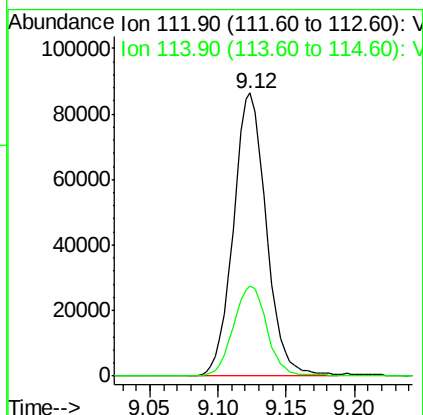
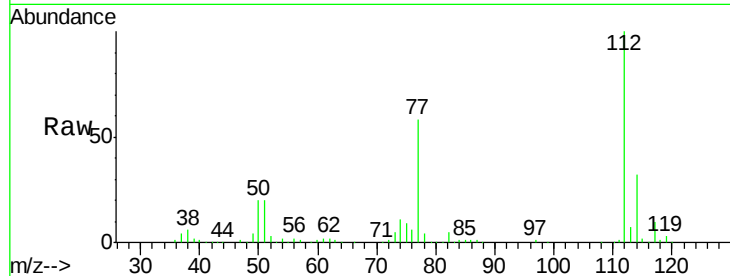




#65
Chlorobenzene
Concen: 19.84 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

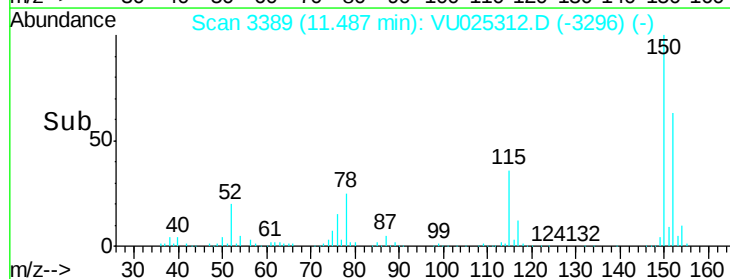
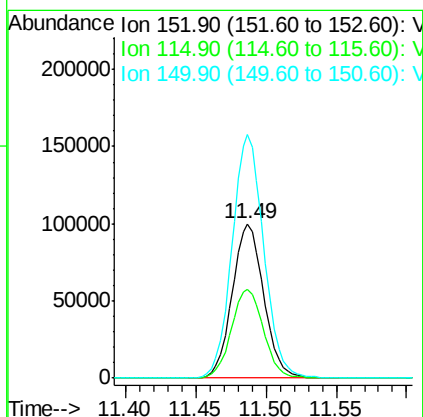
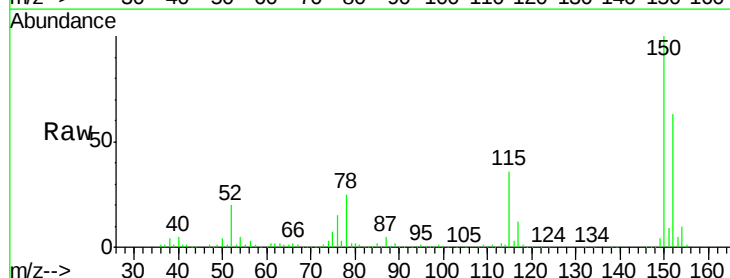
Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

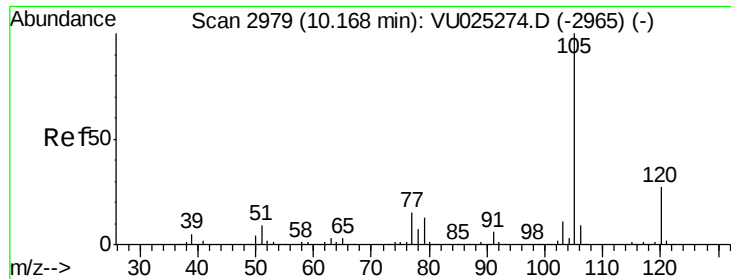
Tot Ion:112 Resp: 144975
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion:152 Resp: 156494
Ion Ratio Lower Upper
152 100
115 58.8 40.1 120.3
150 158.7 0.0 351.4





#73

Isopropylbenzene

Concen: 3.84 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

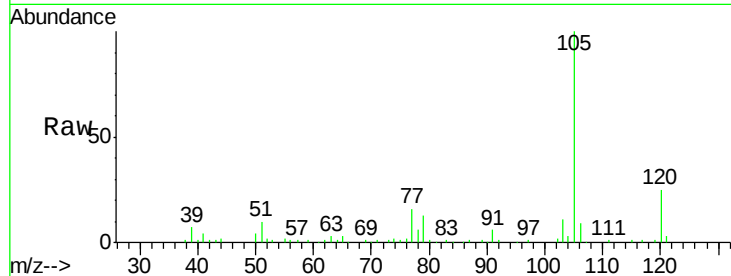
DUP-0494-180704

Tot Ion:105 Resp: 45872

Ion Ratio Lower Upper

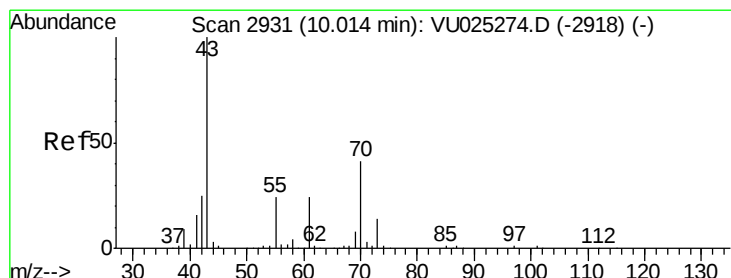
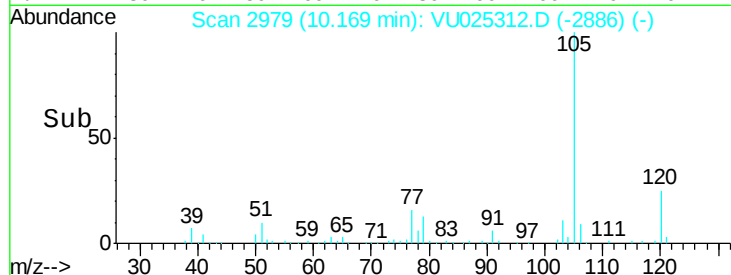
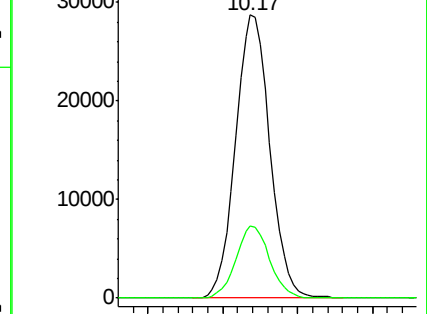
105 100

120 24.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.33 ug/l

RT: 10.01 min Scan# 2929

Delta R.T. -0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Tgt Ion: 43 Resp: 312

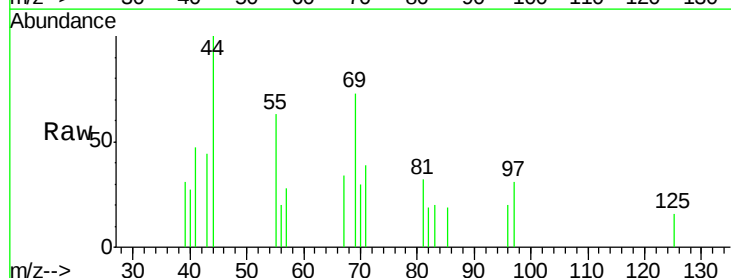
Ion Ratio Lower Upper

43 100

70 87.8 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

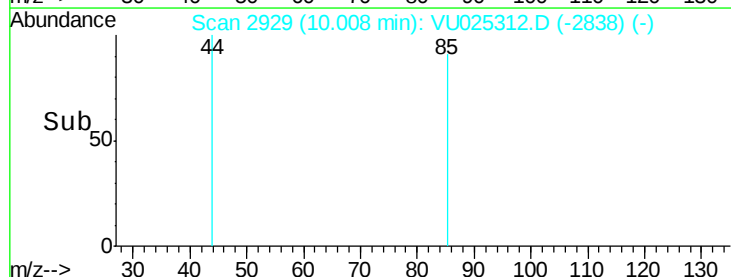
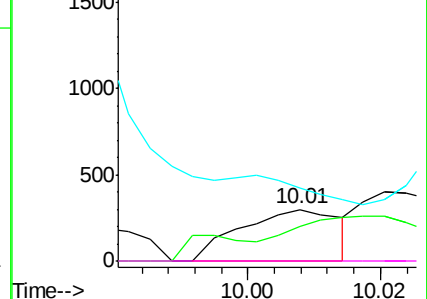


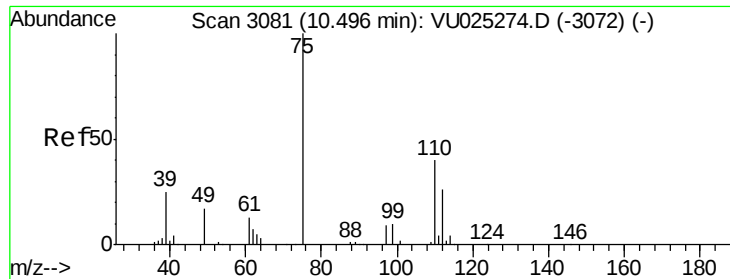
Abundance Ion 43.00 (42.70 to 43.70): VU0

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

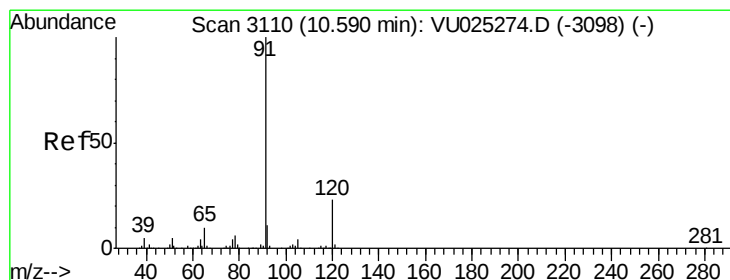
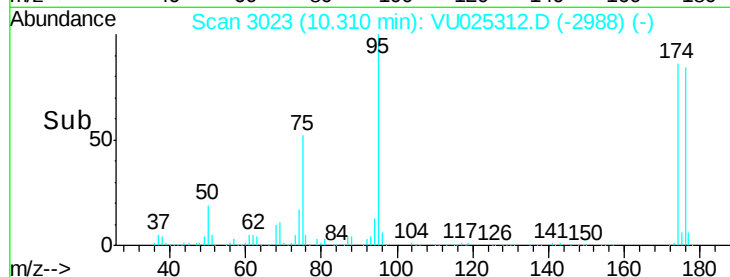
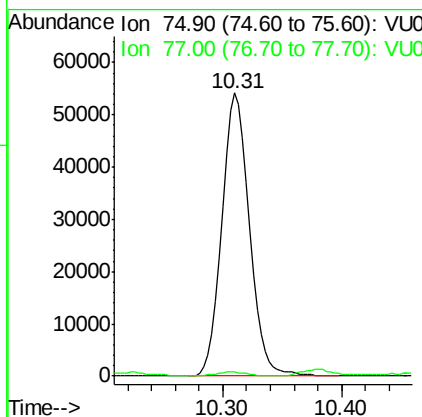
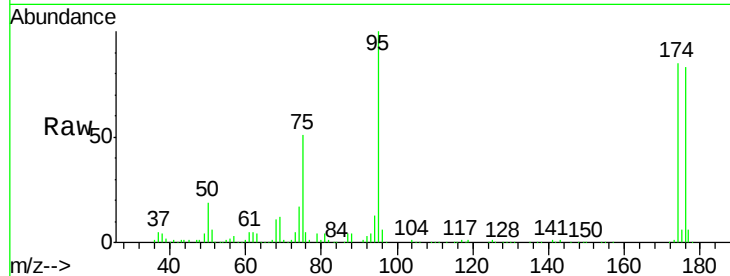




#76
 1,2,3-Trichloropropane
 Concen: 27.35 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

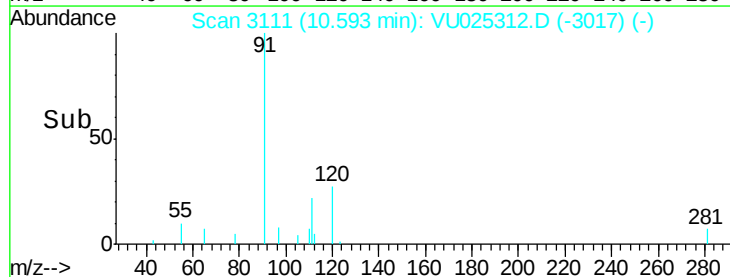
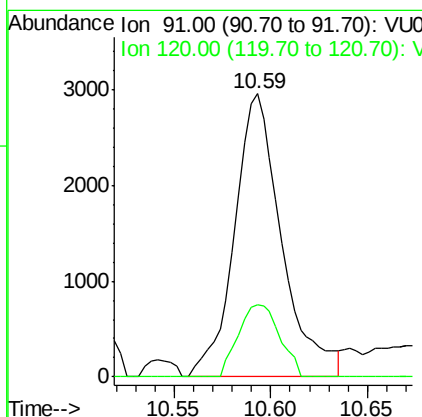
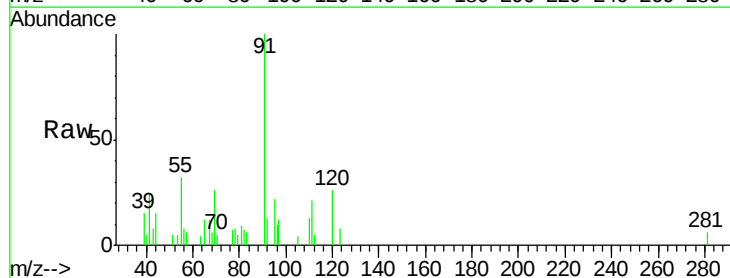
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

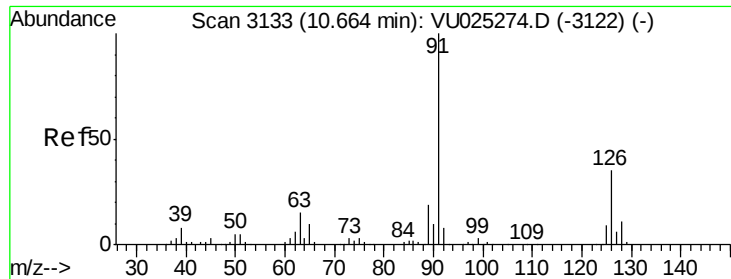
Tot Ion: 75 Resp: 87037
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.4 61.3#



#78
 n-propylbenzene
 Concen: 0.38 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Tgt Ion: 91 Resp: 5021
 Ion Ratio Lower Upper
 91 100
 120 22.2 11.8 35.3





#79

2-Chlorotoluene

Concen: 0.37 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.16 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

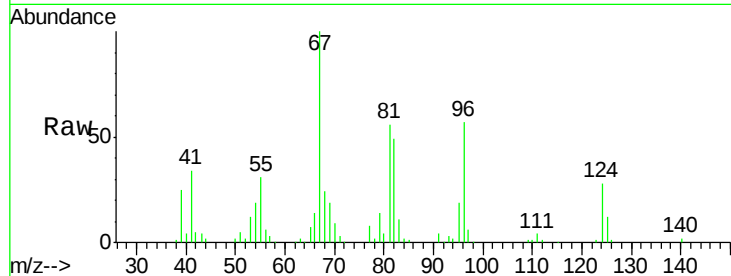
DUP-0494-180704

Tot Ion: 91 Resp: 1721

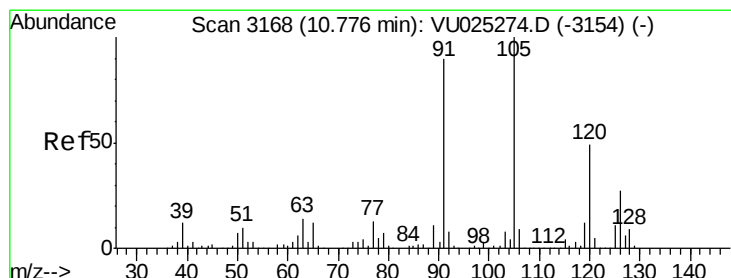
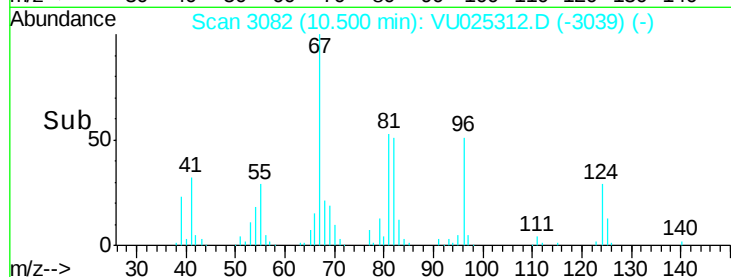
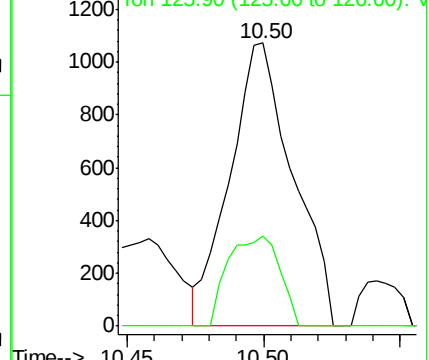
Ion Ratio Lower Upper

91 100

126 26.0 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.26 ug/l

RT: 10.98 min Scan# 3230

Delta R.T. 0.20 min

Lab File: VU025312.D

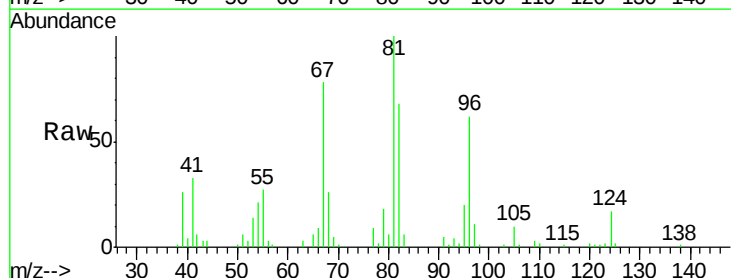
Acq: 11 Jul 2018 14:14

Tgt Ion: 105 Resp: 2580

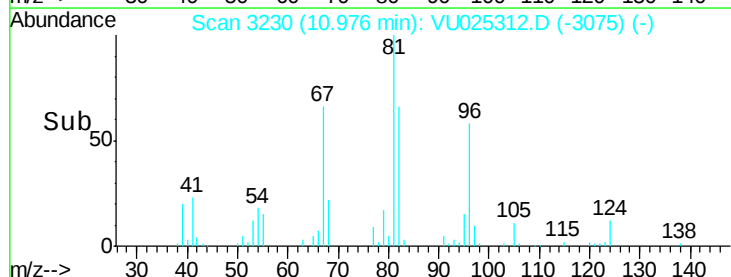
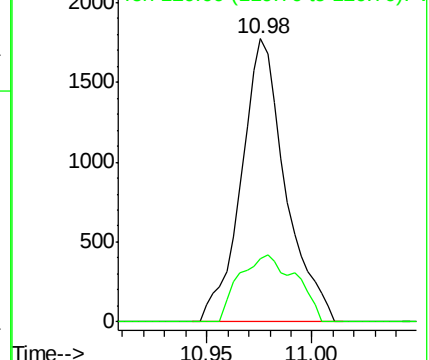
Ion Ratio Lower Upper

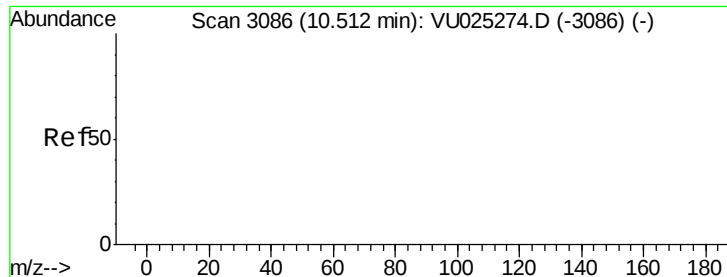
105 100

120 30.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

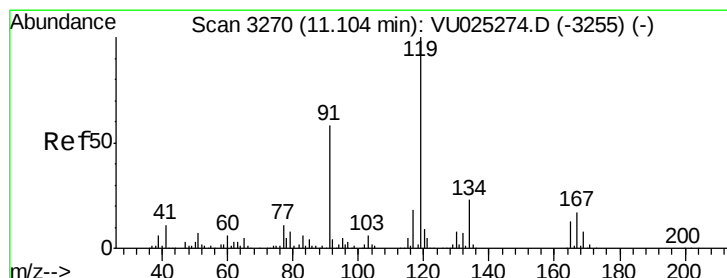
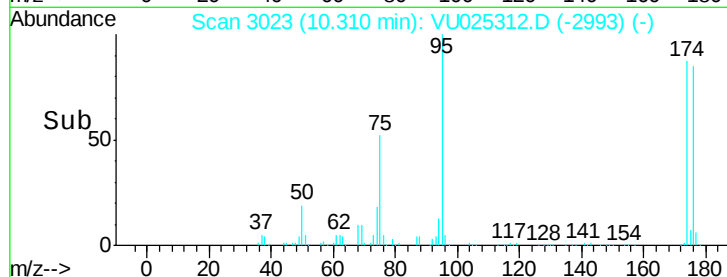
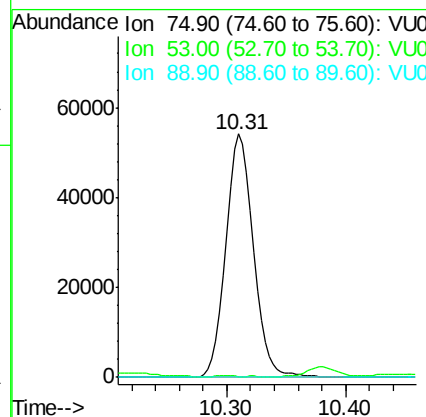
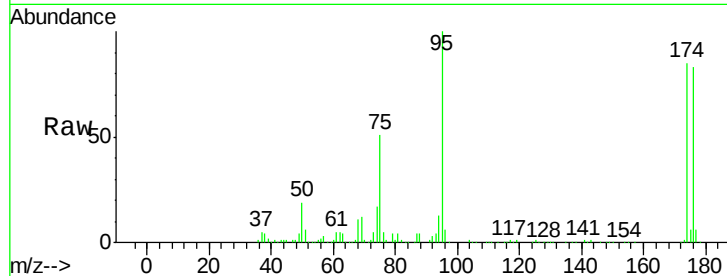




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.81 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

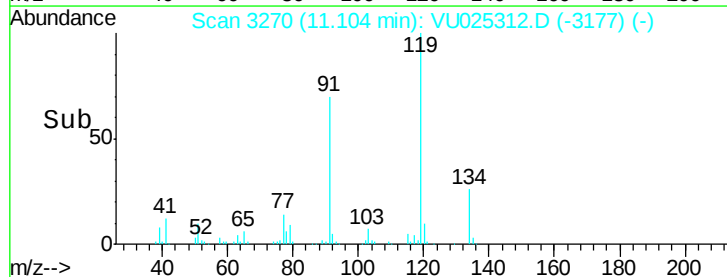
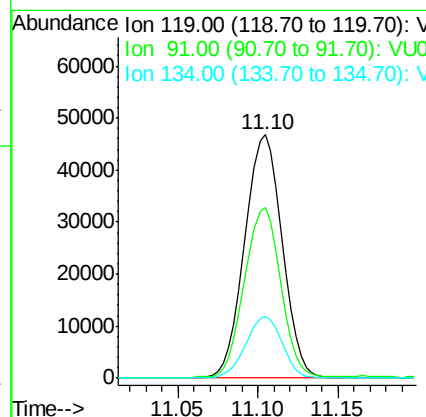
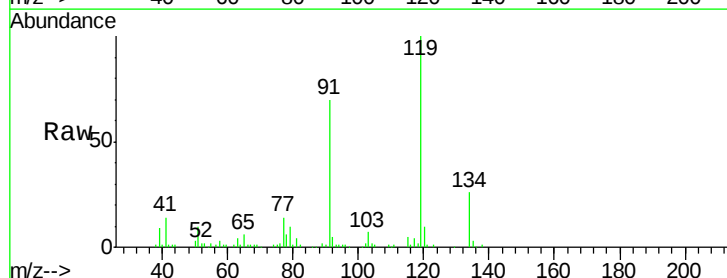
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

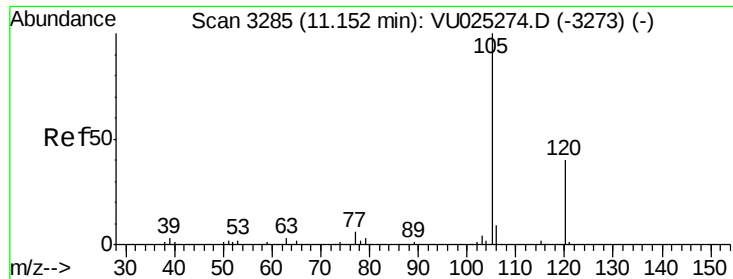
Tot Ion: 75 Resp: 87037
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0



#83
 tert-Butylbenzene
 Concen: 7.37 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Tgt Ion: 119 Resp: 74914
 Ion Ratio Lower Upper
 119 100
 91 67.7 29.7 89.1
 134 24.6 11.5 34.5

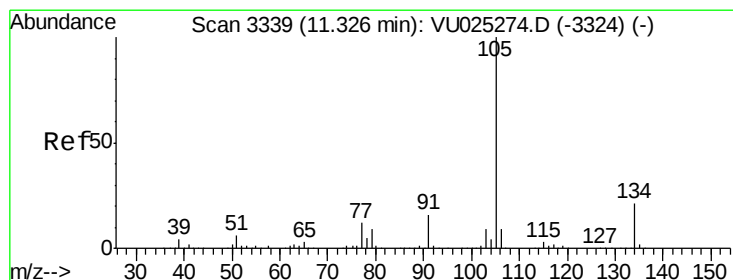
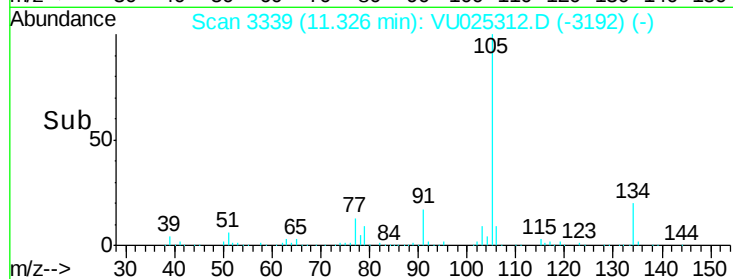
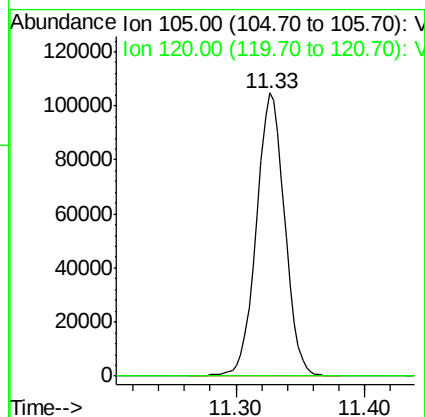
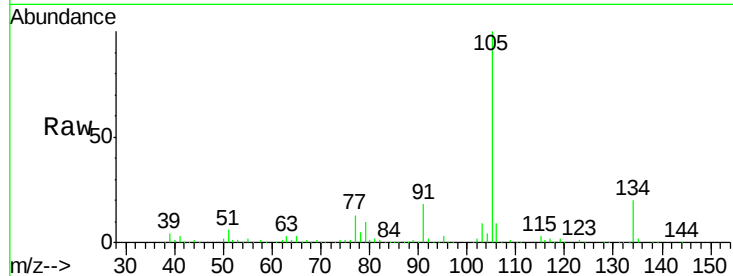




#84
 1,2,4-Trimethylbenzene
 Concen: 15.55 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.17 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

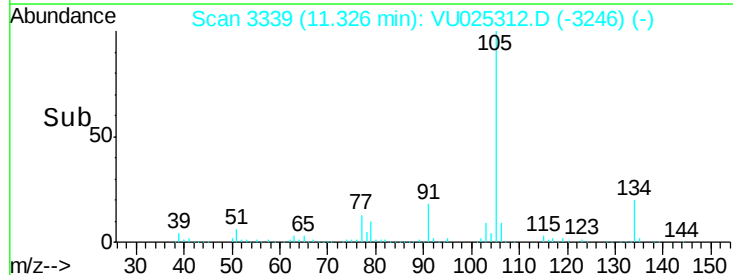
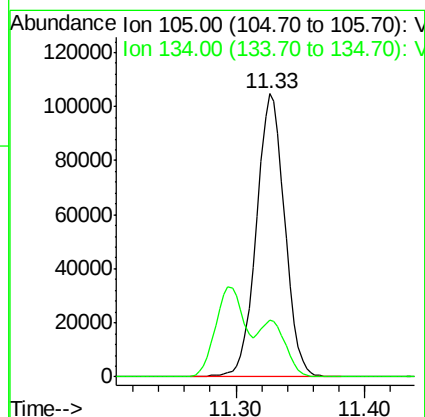
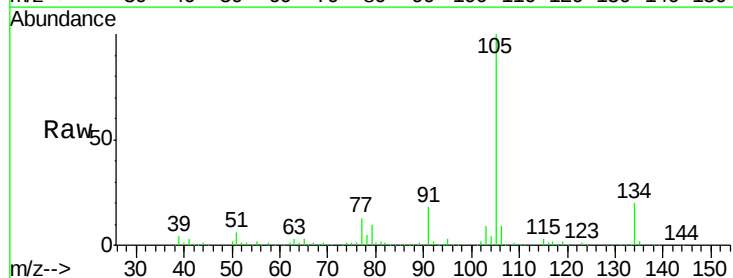
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

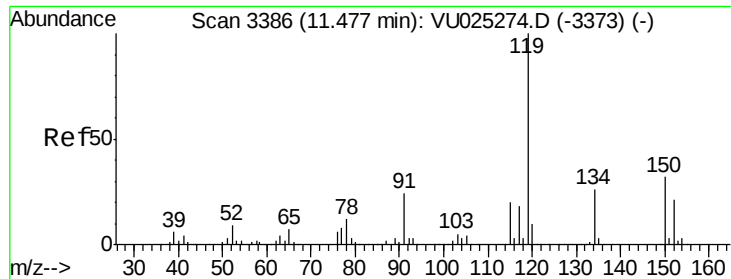
Tot Ion:105 Resp: 160391
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.3 66.8#



#85
 sec-Butylbenzene
 Concen: 13.40 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Tgt Ion:105 Resp: 160391
 Ion Ratio Lower Upper
 105 100
 134 17.1 10.3 30.8

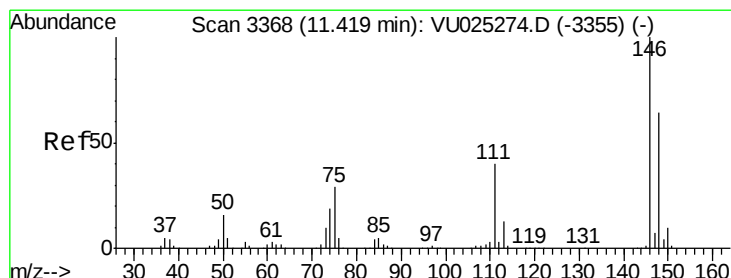
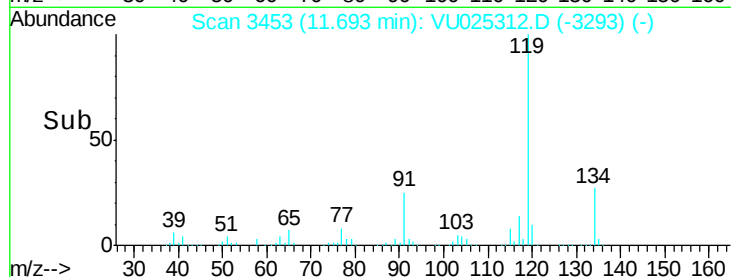
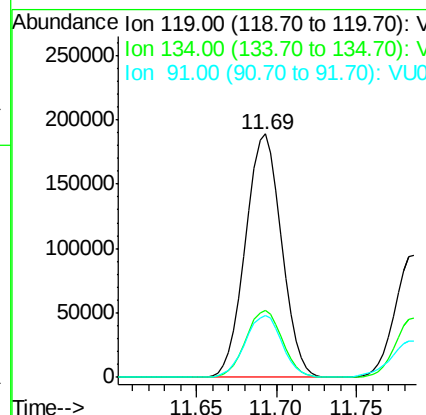
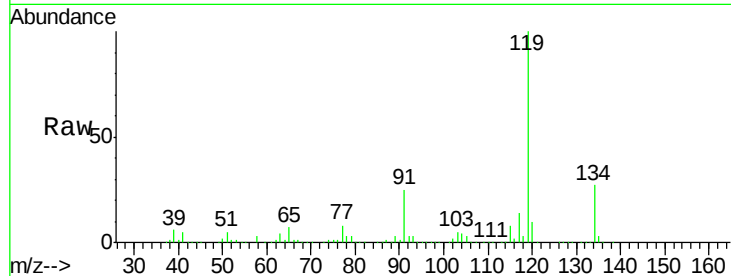




#86
 p-Isopropyltoluene
 Concen: 27.38 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

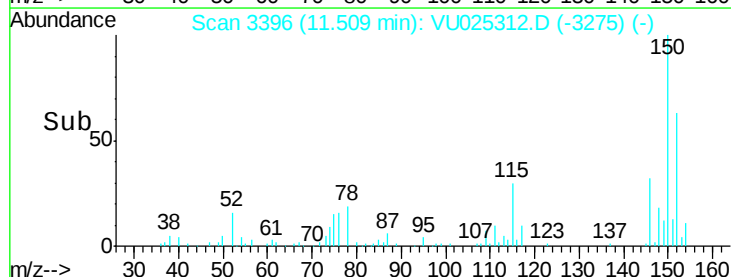
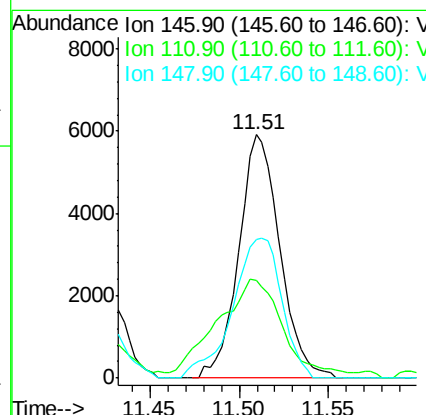
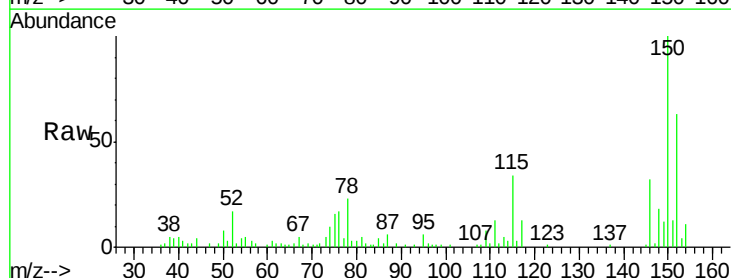
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0494-180704

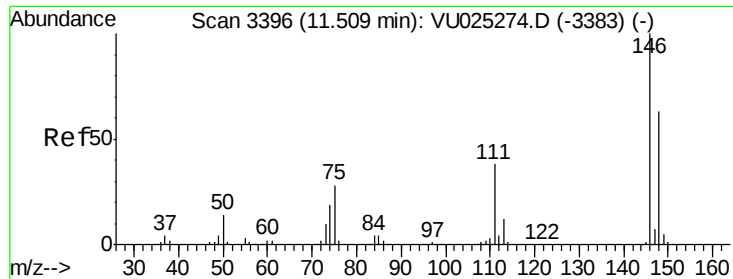
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.2	39.5
91	25.7	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 1.70 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.09 min
 Lab File: VU025312.D
 Acq: 11 Jul 2018 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	58.7	19.7	59.1
148	68.7	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 3.18 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

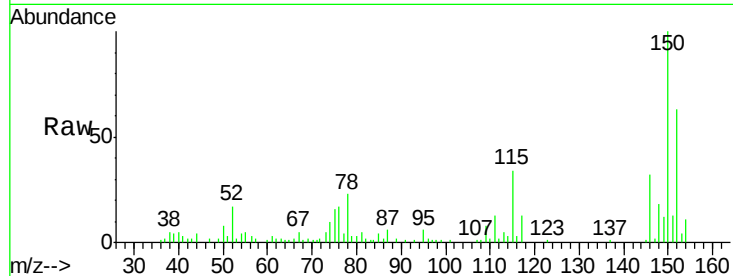
Tot Ion:146 Resp: 9505

Ion Ratio Lower Upper

146 100

111 58.7 19.4 58.1#

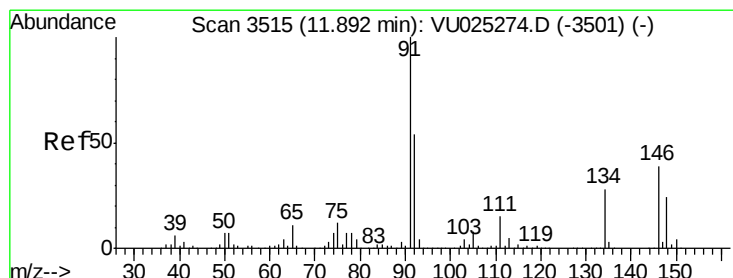
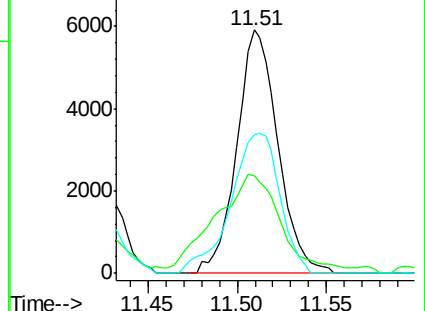
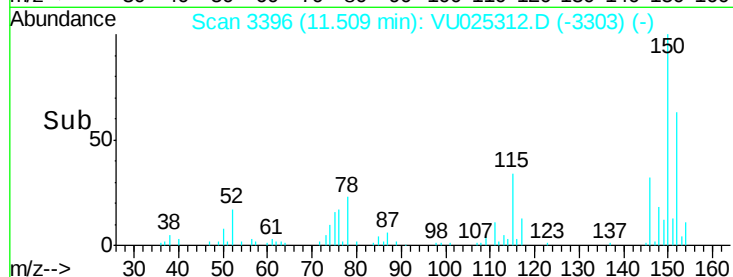
148 68.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.44 ug/l

RT: 11.87 min Scan# 3508

Delta R.T. -0.02 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

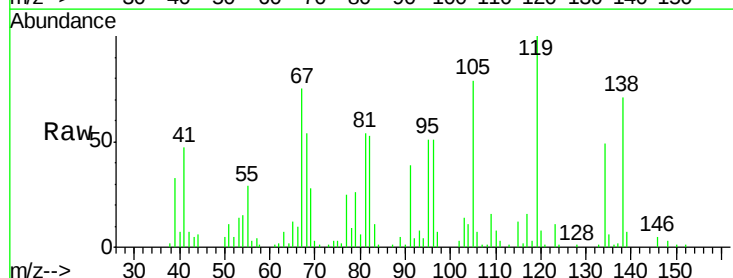
Tgt Ion: 91 Resp: 12571

Ion Ratio Lower Upper

91 100

92 0.0 26.5 79.5#

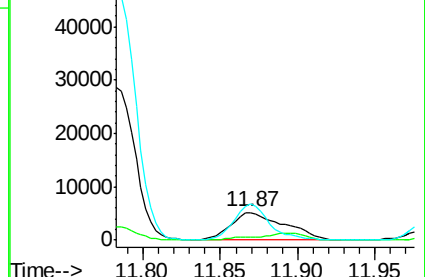
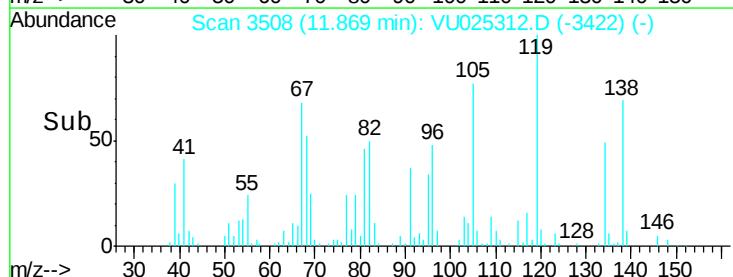
134 85.1 13.6 40.7#

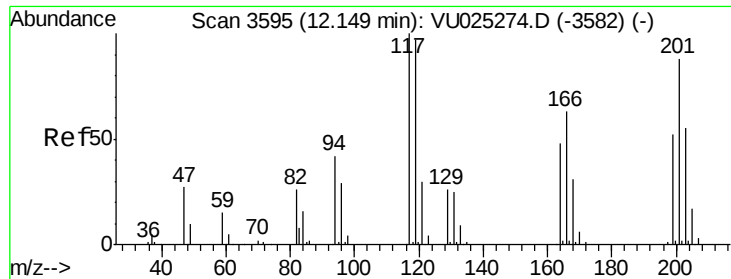


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

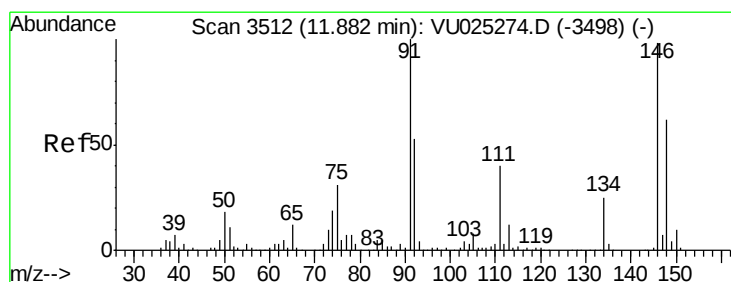
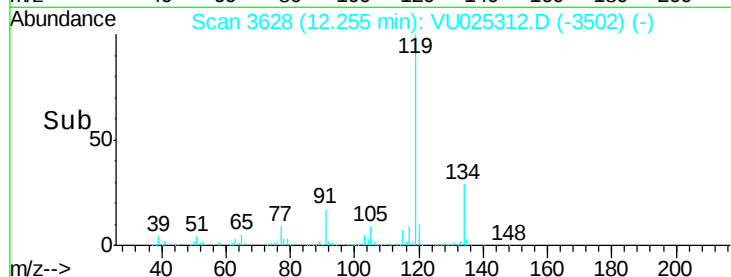
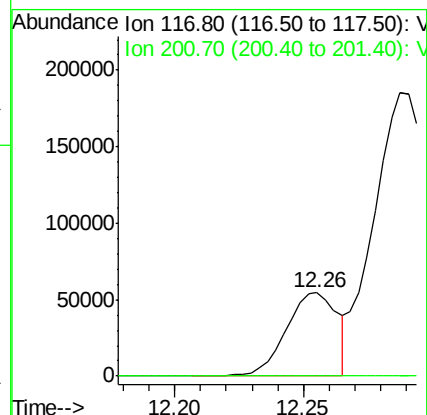
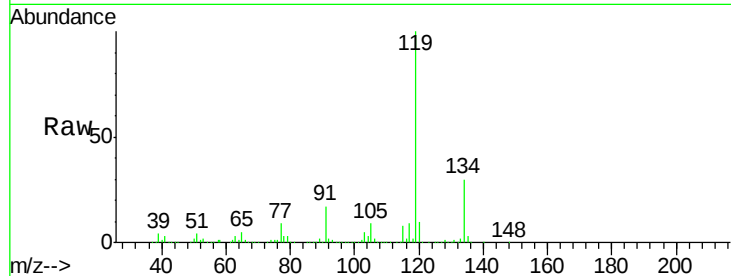




#90
Hexachloroethane
Concen: 42.03 ug/l
RT: 12.26 min Scan# 3628
Delta R.T. 0.11 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

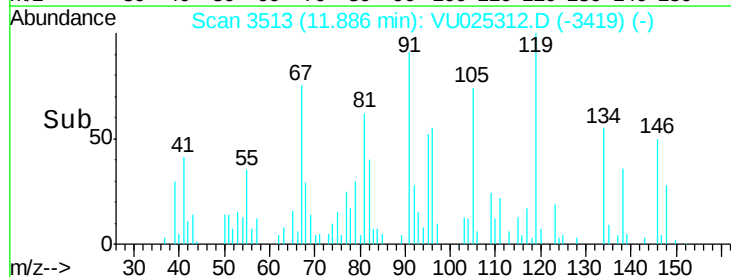
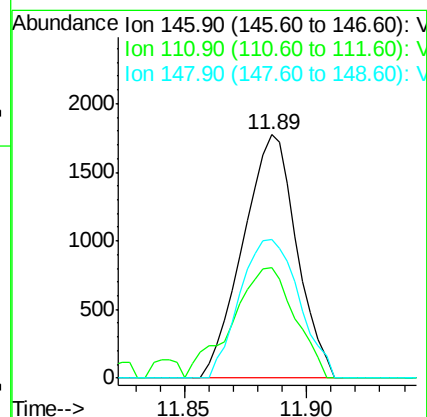
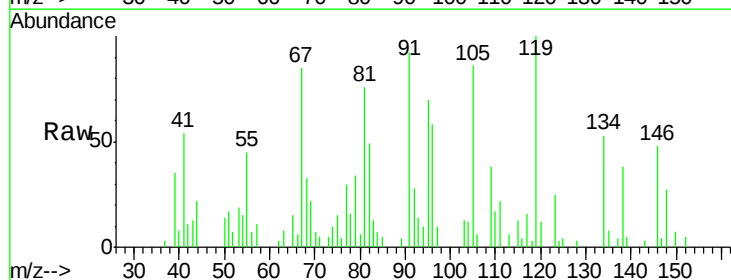
Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

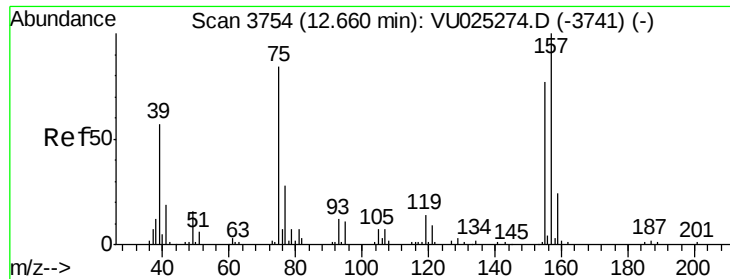
Tot Ion:117 Resp: 75434
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



#91
1,2-Dichlorobenzene
Concen: 0.48 ug/l
RT: 11.89 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion:146 Resp: 2705
Ion Ratio Lower Upper
146 100
111 53.0 20.6 61.8
148 62.8 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.09 ug/l

RT: 12.65 min Scan# 3751

Delta R.T. -0.01 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

DUP-0494-180704

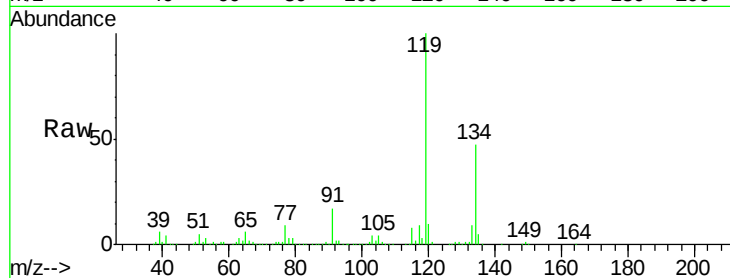
Tot Ion: 75 Resp: 3883

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

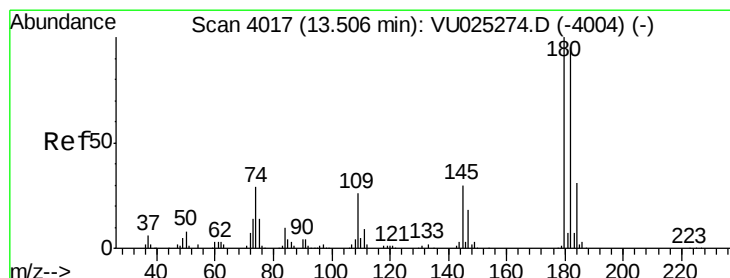
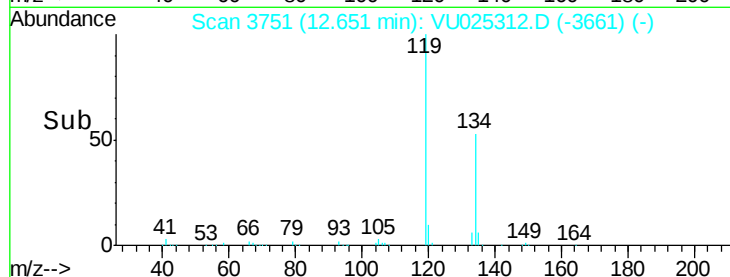
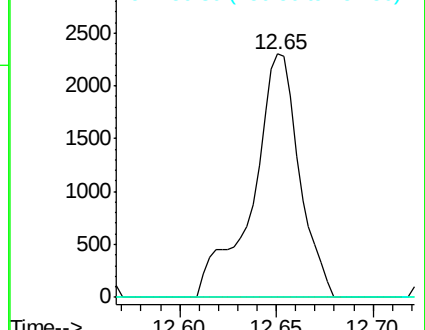
157 0.0 57.0 170.8#



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: 3.47 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025312.D

Acq: 11 Jul 2018 14:14

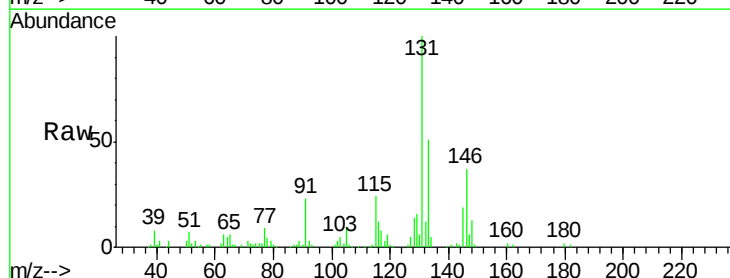
Tgt Ion: 180 Resp: 748

Ion Ratio Lower Upper

180 100

182 116.4 47.3 141.9

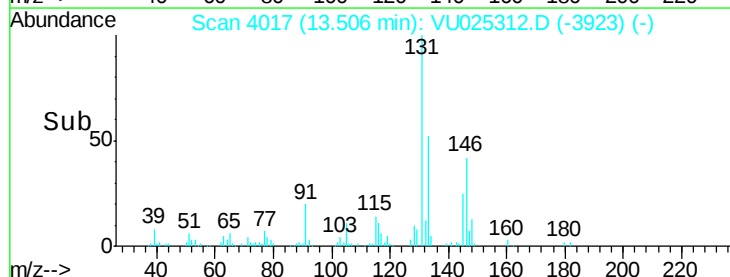
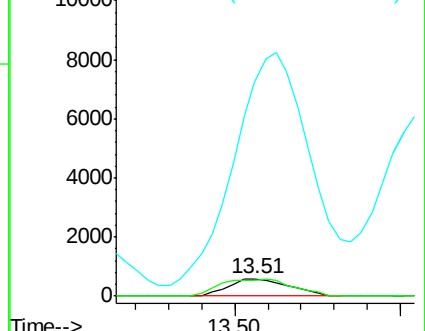
145 1677.0 14.9 44.7#

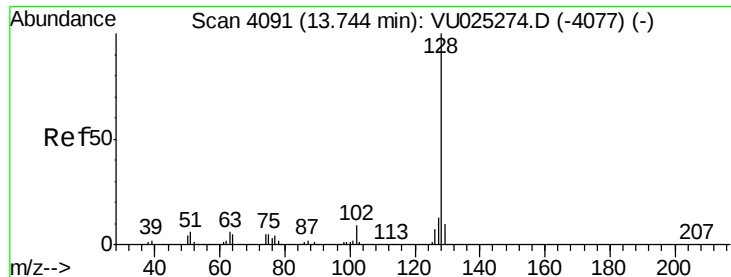


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

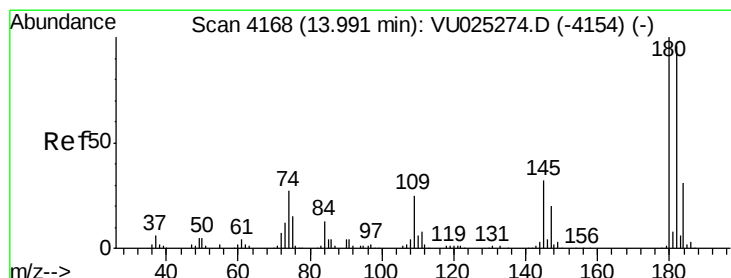
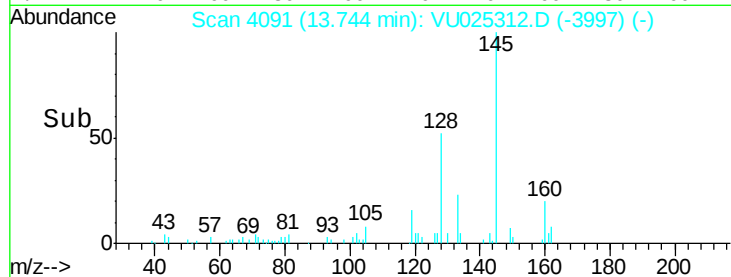
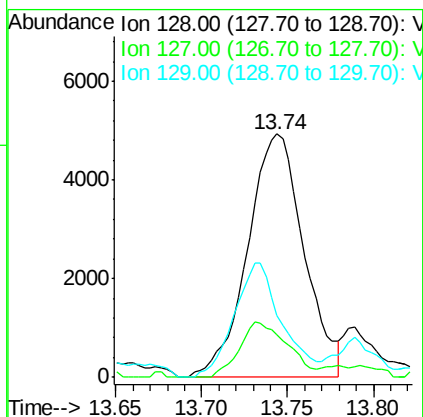
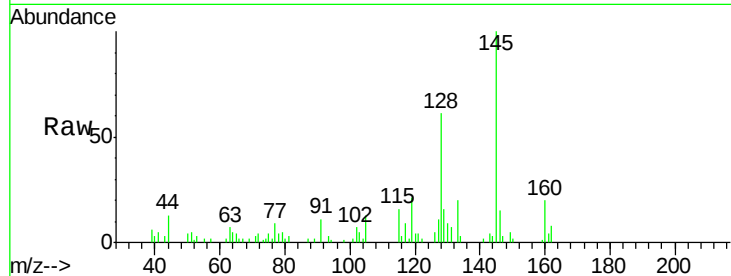




#95
Naphthalene
Concen: 3.34 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
DUP-0494-180704

Tot Ion:128 Resp: 11205
Ion Ratio Lower Upper
128 100
127 19.4 10.5 15.7#
129 39.6 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 2.75 ug/l
RT: 14.00 min Scan# 4170
Delta R.T. 0.01 min
Lab File: VU025312.D
Acq: 11 Jul 2018 14:14

Tgt Ion:180 Resp: 897
Ion Ratio Lower Upper
180 100
182 88.7 47.8 143.3
145 0.0 15.6 46.8#

