

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024824.D
 Acq On : 21 Jun 2018 20:33
 Operator : MD/SY
 Sample : J3539-04MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183MS

Quant Time: Jun 22 03:53:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	139180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	235425	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	220077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	122768	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	123528	54.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.74%		
35) Dibromofluoromethane	4.89	113	99382	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.72%		
50) Toluene-d8	7.57	98	321720	45.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.28%		
62) 4-Bromofluorobenzene	10.31	95	123147	43.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	74882	42.984	ug/l	100
3) Chloromethane	1.33	50	97030	54.517	ug/l	100
4) Vinyl Chloride	1.40	62	93944	51.182	ug/l	99
5) Bromomethane	1.62	94	55084	62.080	ug/l	100
6) Chloroethane	1.69	64	63707	62.374	ug/l	99
7) Trichlorofluoromethane	1.89	101	134533	48.028	ug/l	98
8) Diethyl Ether	2.10	74	60633	64.138	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	62293	35.846	ug/l	97
10) Methyl Iodide	2.41	142	80218	54.064	ug/l	99
11) Tert butyl alcohol	2.82	59	132224	239.274	ug/l	99
12) 1,1-Dichloroethene	2.28	96	75221	47.465	ug/l	92
13) Acrolein	2.19	56	62315	214.740	ug/l	100
14) Allyl chloride	2.59	41	114789	39.011	ug/l	95
15) Acrylonitrile	2.93	53	300048	279.073	ug/l	99
16) Acetone	2.32	43	284467	233.013	ug/l	99
17) Carbon Disulfide	2.48	76	208159	41.021	ug/l	100
18) Methyl Acetate	2.62	43	86849	33.184	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	329577	55.325	ug/l	97
20) Methylene Chloride	2.70	84	97784	51.047	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	82755	47.412	ug/l	98
22) Diisopropyl ether	3.57	45	319140	54.712	ug/l	98
23) Vinyl Acetate	3.53	43	767652	146.913	ug/l	99
24) 1,1-Dichloroethane	3.45	63	176867	52.708	ug/l	100
25) 2-Butanone	4.26	43	435821	265.771	ug/l	95
26) 2,2-Dichloropropane	4.23	77	31111	9.764	ug/l #	75
27) cis-1,2-Dichloroethene	4.23	96	111777	55.702	ug/l	91
28) Bromochloromethane	4.55	49	81944	55.442	ug/l	89
29) Tetrahydrofuran	4.64	42	280634	276.351	ug/l	97
30) Chloroform	4.68	83	187099	55.087	ug/l	100
31) Cyclohexane	5.00	56	117847	39.118	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	155395	49.477	ug/l	98
36) 1,1-Dichloropropene	5.14	75	112099	40.521	ug/l	98
37) Ethyl Acetate	4.38	43	99809	33.102	ug/l	98
38) Carbon Tetrachloride	5.14	117	130544	42.912	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	97549	28.256	ug/l	95
40) Benzene	5.39	78	376874	47.810	ug/l	99
41) Methacrylonitrile	4.55	41	89264	54.908	ug/l	97
42) 1,2-Dichloroethane	5.41	62	160272	53.384	ug/l	100
43) Isopropyl Acetate	5.55	43	193655	37.156	ug/l	99
44) Trichloroethene	6.19	130	128298	57.188	ug/l	97
45) 1,2-Dichloropropane	6.44	63	106875	50.813	ug/l	98
46) Dibromomethane	6.56	93	78299	52.998	ug/l	95
47) Bromodichloromethane	6.76	83	147582	50.165	ug/l	99
48) Methyl methacrylate	6.62	41	133187	52.479	ug/l	96
49) 1,4-Dioxane	6.61	88	58271	1174.068	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	871939	266.290	ug/l	99
52) Toluene	7.64	92	231471	45.641	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	124643	37.727	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	130832	37.164	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	106993	51.900	ug/l	99
56) Ethyl methacrylate	8.02	69	176132	51.046	ug/l	98
57) 1,3-Dichloropropane	8.25	76	183385	52.733	ug/l	99
59) 2-Hexanone	8.36	43	695245	260.077	ug/l	100
60) Dibromochloromethane	8.48	129	127803	49.715	ug/l	98
61) 1,2-Dibromoethane	8.59	107	117159	51.060	ug/l	97
64) Tetrachloroethene	8.23	164	76164	36.409	ug/l	98
65) Chlorobenzene	9.12	112	262806	46.745	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	105570	49.425	ug/l	97
67) Ethyl Benzene	9.25	91	427368	43.361	ug/l	97
68) m/p-Xylenes	9.38	106	328993	86.926	ug/l	98
69) o-Xylene	9.78	106	172640	46.091	ug/l	97
70) Styrene	9.80	104	279383	45.389	ug/l	99
71) Bromoform	9.96	173	102340	50.408	ug/l #	97
73) Isopropylbenzene	10.17	105	418038	44.351	ug/l	98
74) N-amyl acetate	10.01	43	139395	31.092	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	186592	59.075	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	186479	68.992	ug/l	84
77) Bromobenzene	10.45	156	124048	51.985	ug/l	94
78) n-propylbenzene	10.59	91	452010	40.710	ug/l	97
79) 2-Chlorotoluene	10.66	91	302782	46.242	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	362900	44.421	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	186479	159.676	ug/l #	100
82) 4-Chlorotoluene	10.77	91	341488	44.809	ug/l	99
83) tert-Butylbenzene	11.10	119	364075	46.328	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	378047	45.408	ug/l	100
85) sec-Butylbenzene	11.33	105	395442	40.200	ug/l	98
86) p-Isopropyltoluene	11.48	119	351751	39.926	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	205046	46.511	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	204457	46.078	ug/l	99
89) n-Butylbenzene	11.89	91	262474	33.557	ug/l	98
90) Hexachloroethane	12.15	117	68472	39.841	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	222729	50.440	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48168	55.268	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	129589	47.524	ug/l	100

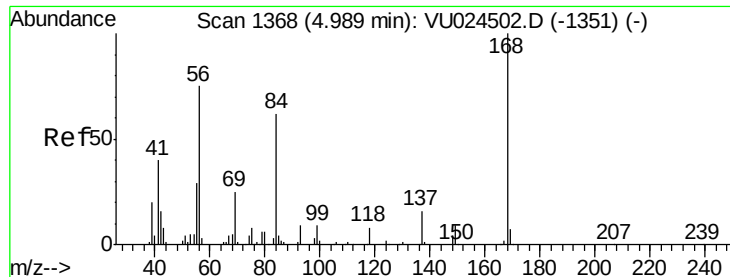
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	51080	33.281	ug/l	98
95) Naphthalene	13.74	128	515046	56.959	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	143773	52.914	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

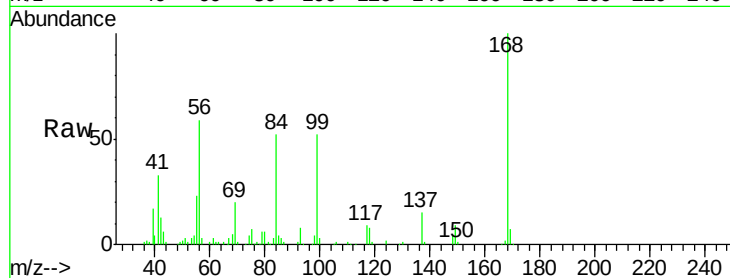
S39-0183MS

Tot Ion:168 Resp: 139180

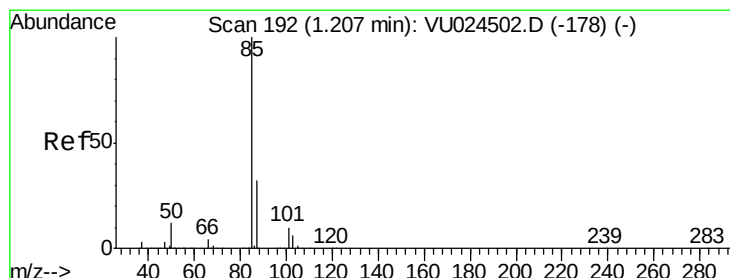
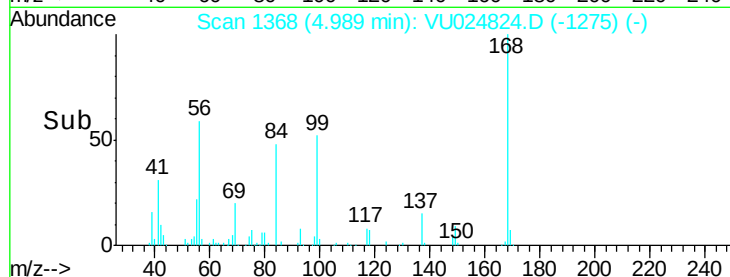
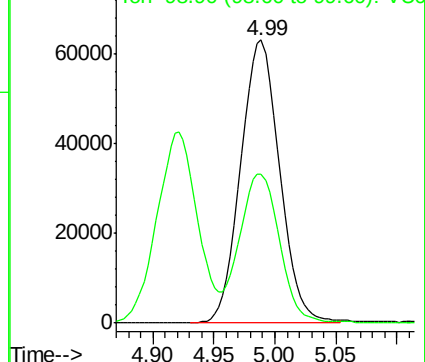
Ion Ratio Lower Upper

168 100

99 52.0 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 42.984 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024824.D

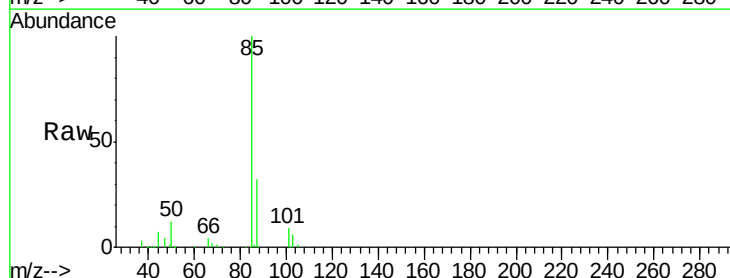
Acq: 21 Jun 2018 20:33

Tgt Ion: 85 Resp: 74882

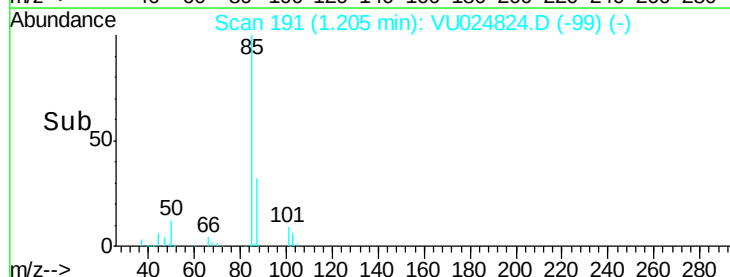
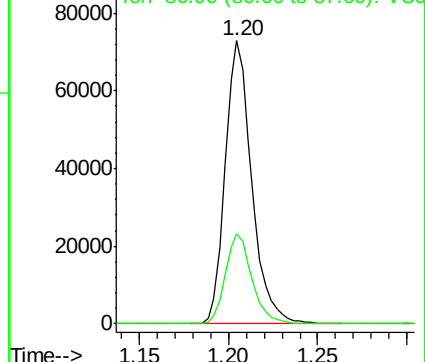
Ion Ratio Lower Upper

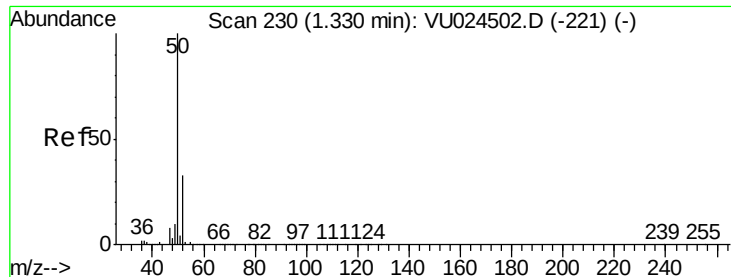
85 100

87 32.0 16.1 48.2



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





#3

Chloromethane

Concen: 54.517 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

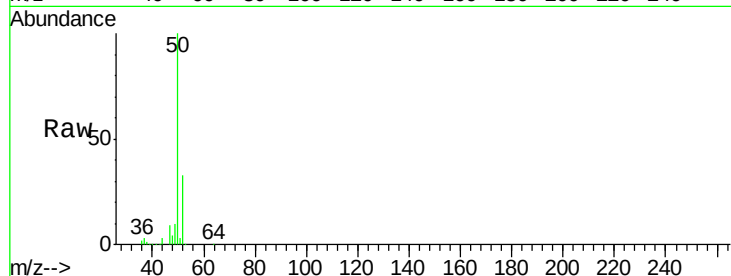
S39-0183MS

Tot Ion: 50 Resp: 97030

Ion Ratio Lower Upper

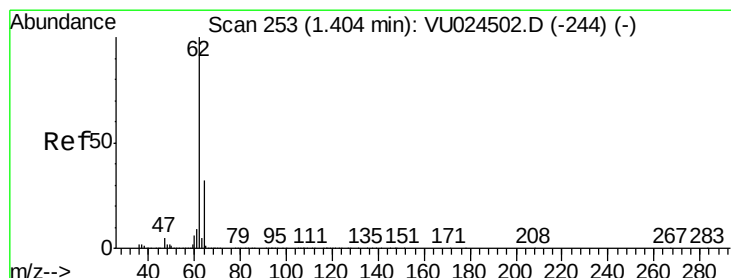
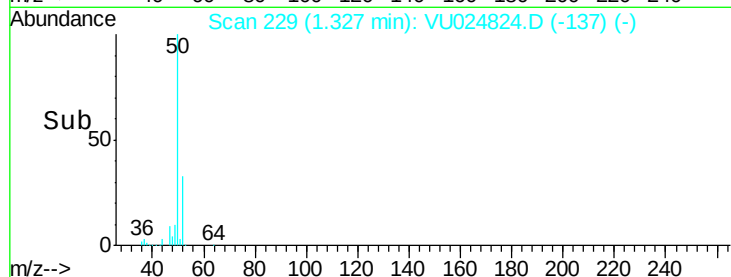
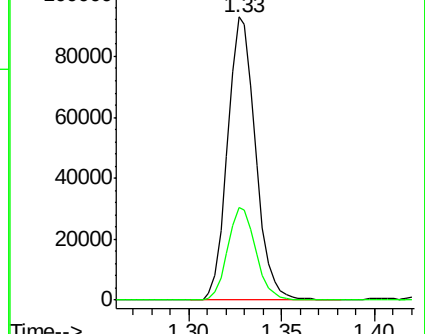
50 100

52 32.8 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: 51.182 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024824.D

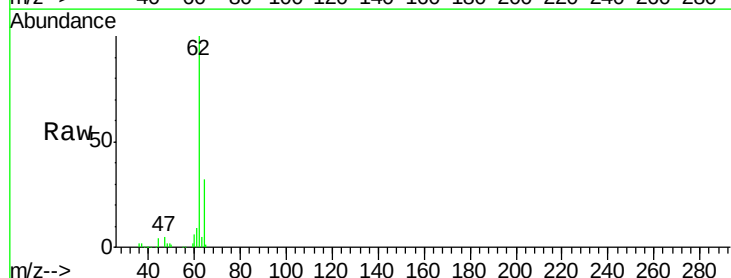
Acq: 21 Jun 2018 20:33

Tgt Ion: 62 Resp: 93944

Ion Ratio Lower Upper

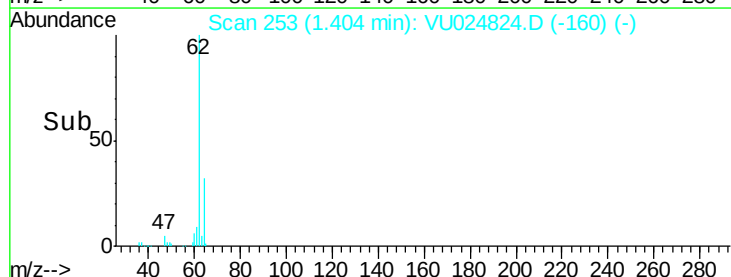
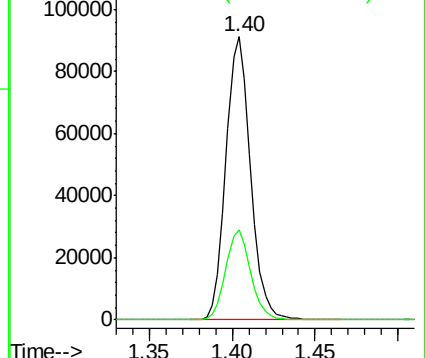
62 100

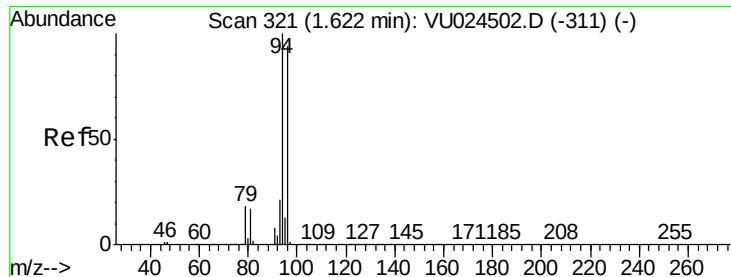
64 31.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 62.080 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

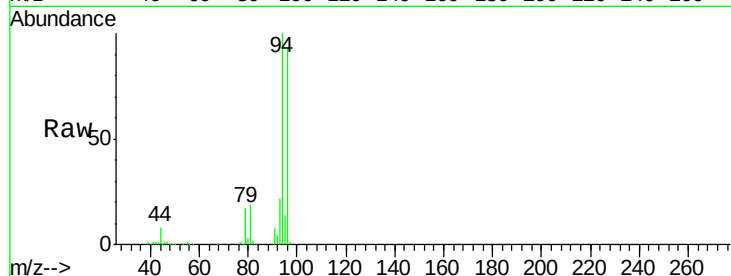
S39-0183MS

Tot Ion: 94 Resp: 55084

Ion Ratio Lower Upper

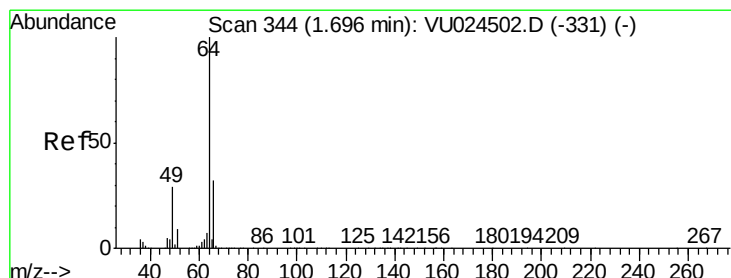
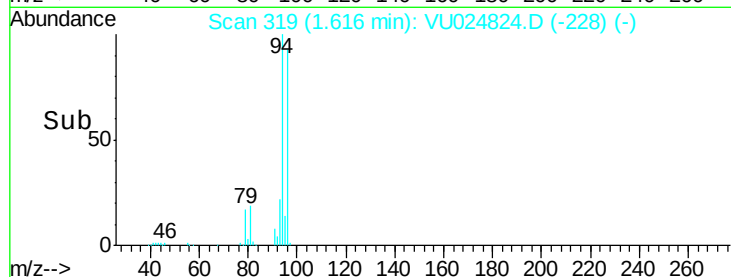
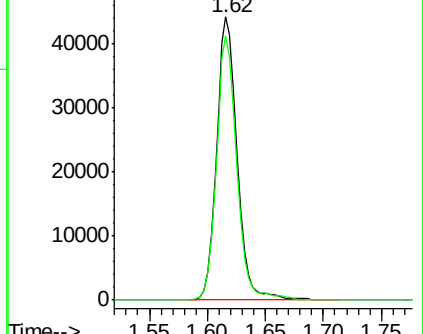
94 100

96 93.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 62.374 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024824.D

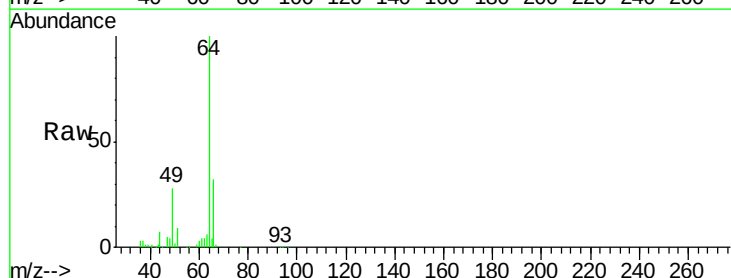
Acq: 21 Jun 2018 20:33

Tgt Ion: 64 Resp: 63707

Ion Ratio Lower Upper

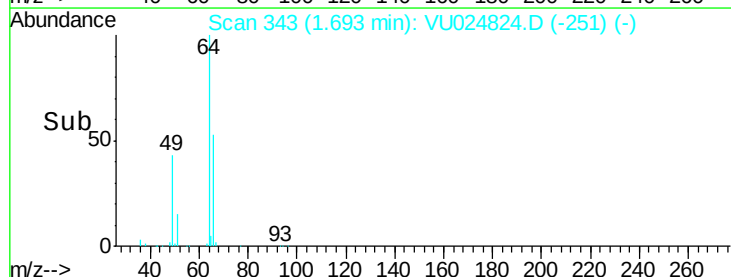
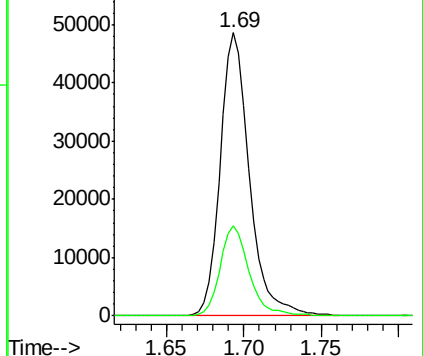
64 100

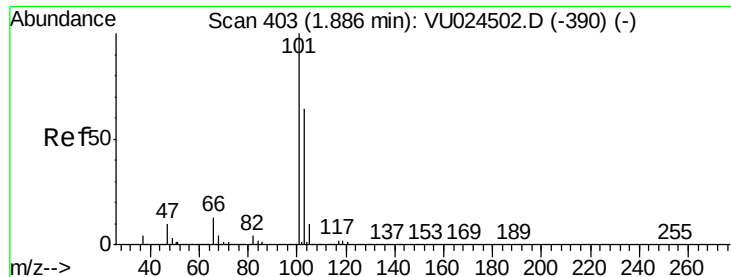
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



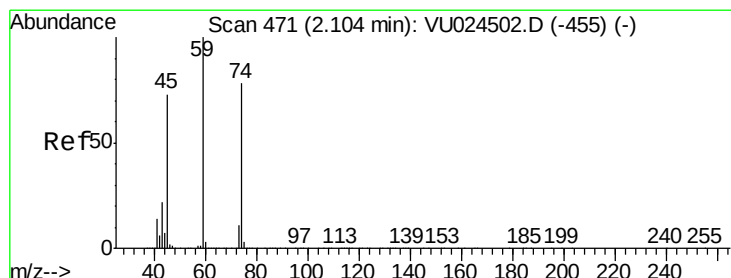
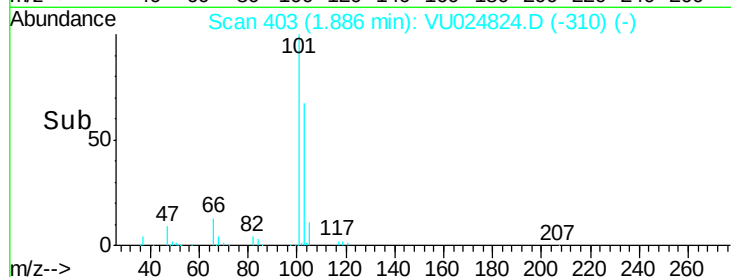
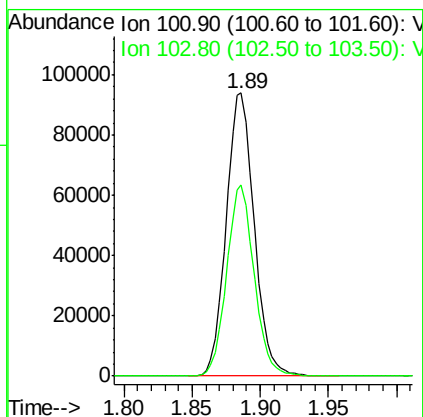
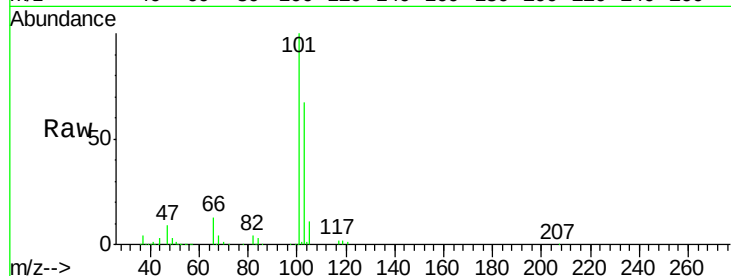


#7

Trichlorofluoromethane
Concen: 48.028 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Instrument :
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S39-0183MS

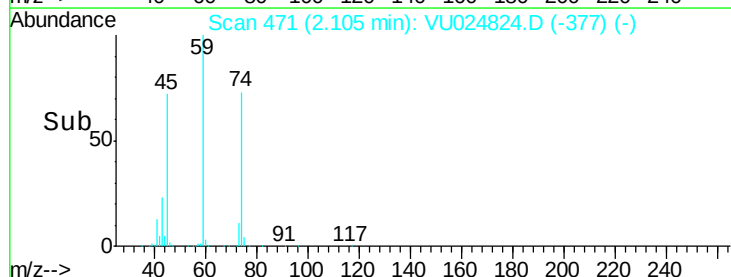
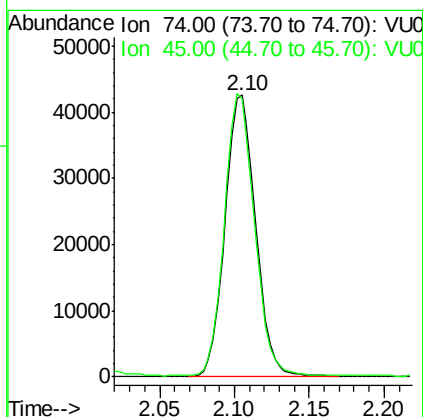
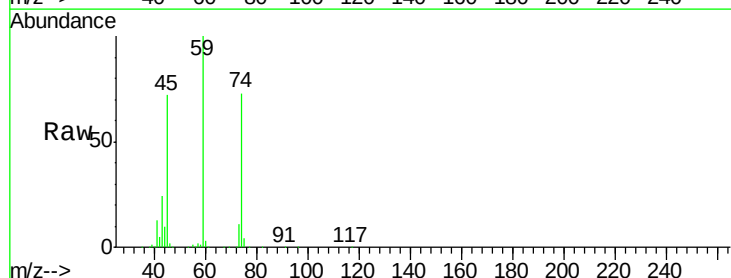
Tot Ion:101 Resp: 134533
Ion Ratio Lower Upper
101 100
103 67.4 52.3 78.5

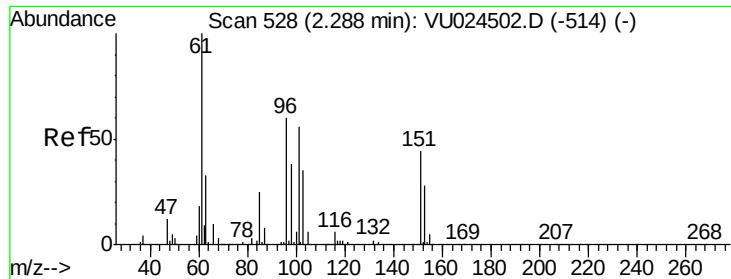


#8

Diethyl Ether
Concen: 64.138 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion: 74 Resp: 60633
Ion Ratio Lower Upper
74 100
45 98.4 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.846 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

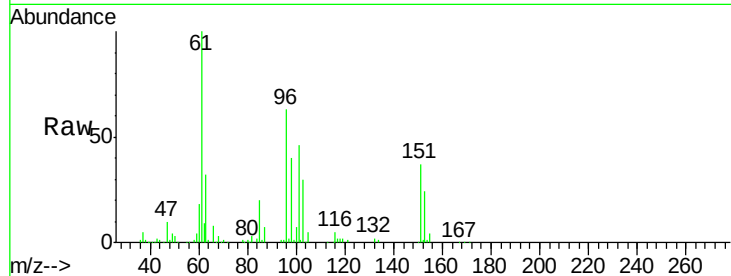
Tot Ion:101 Resp: 62293

Ion Ratio Lower Upper

101 100

85 42.7 36.0 54.0

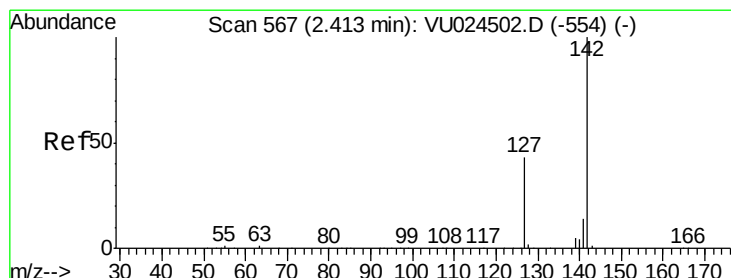
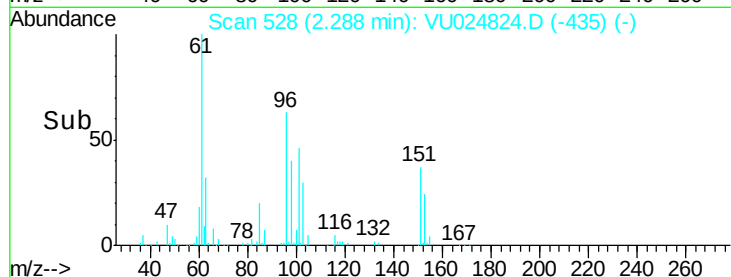
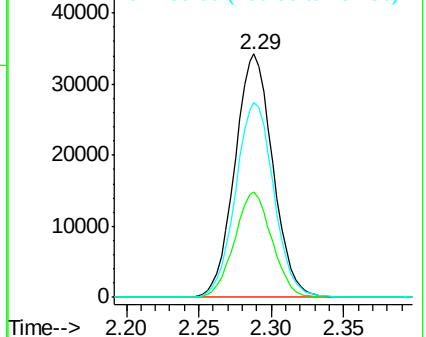
151 80.6 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.064 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

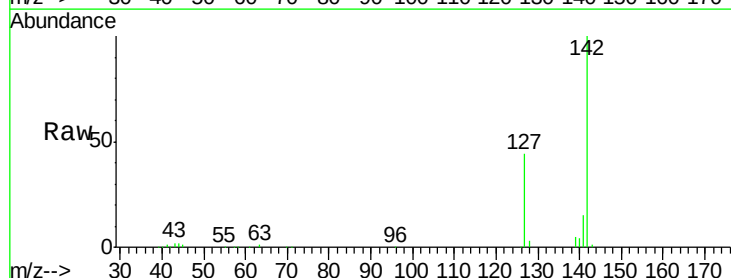
Tgt Ion:142 Resp: 80218

Ion Ratio Lower Upper

142 100

127 44.0 35.6 53.4

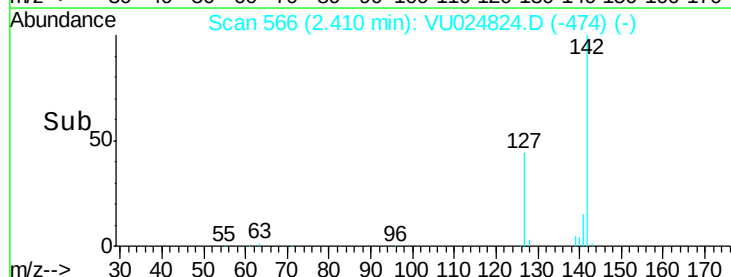
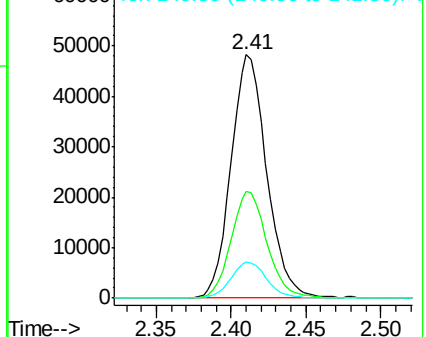
141 14.7 11.7 17.5

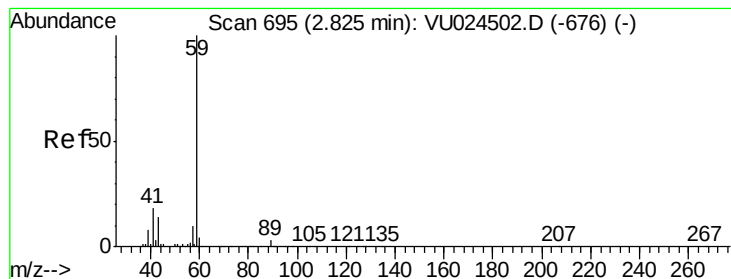


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 239.274 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

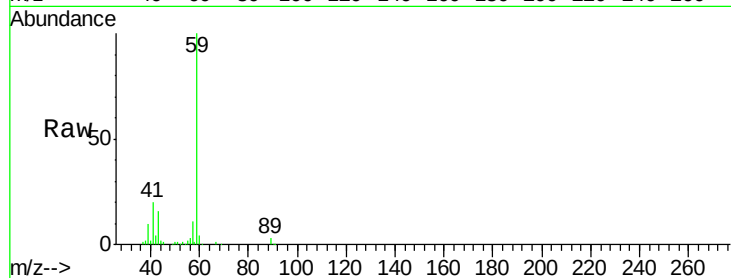
S39-0183MS

Tot Ion: 59 Resp: 132224

Ion Ratio Lower Upper

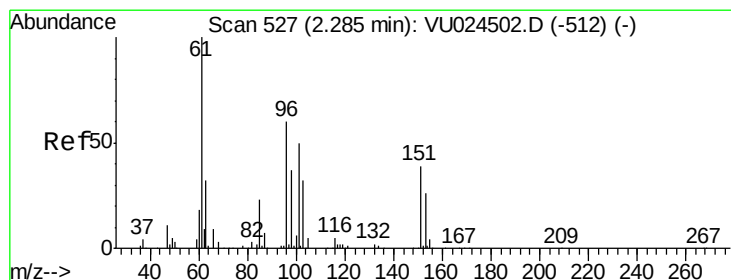
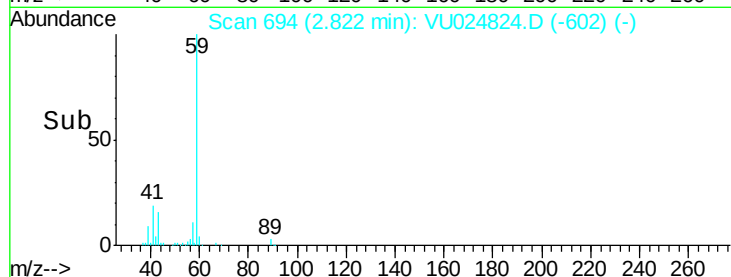
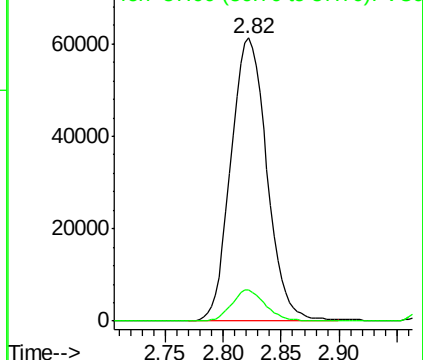
59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 47.465 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

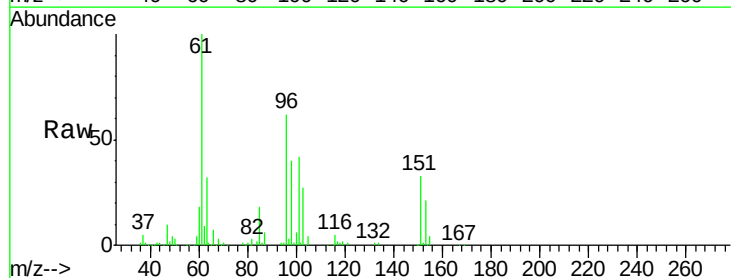
Tgt Ion: 96 Resp: 75221

Ion Ratio Lower Upper

96 100

61 162.5 141.7 212.5

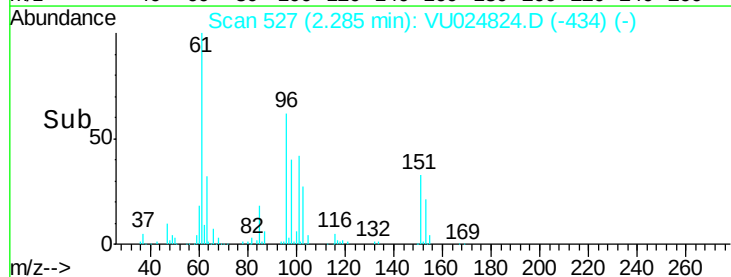
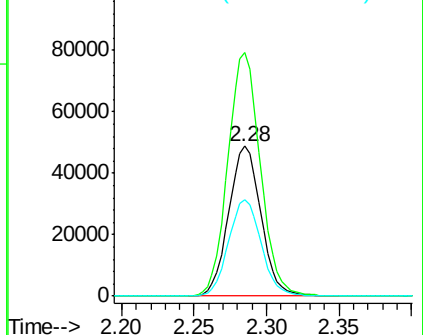
98 64.3 51.6 77.4

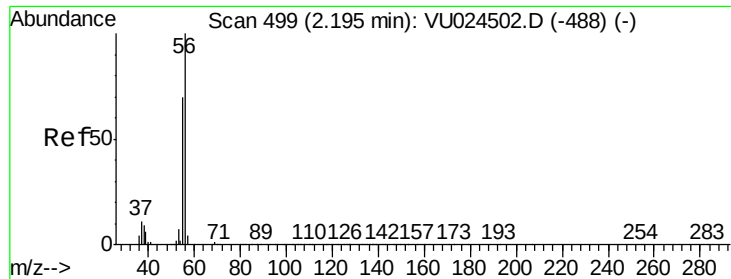


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 214.740 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

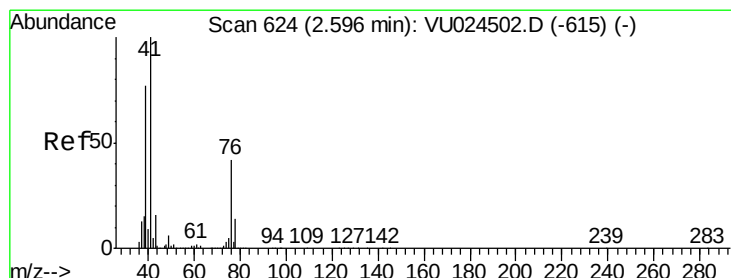
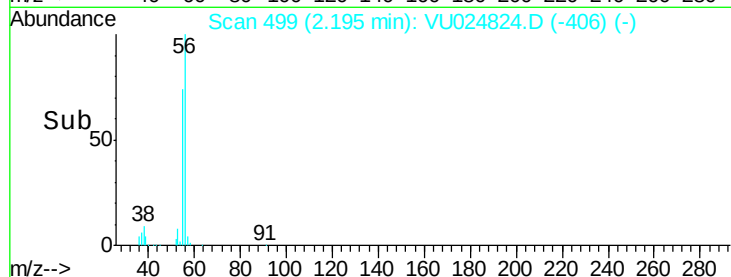
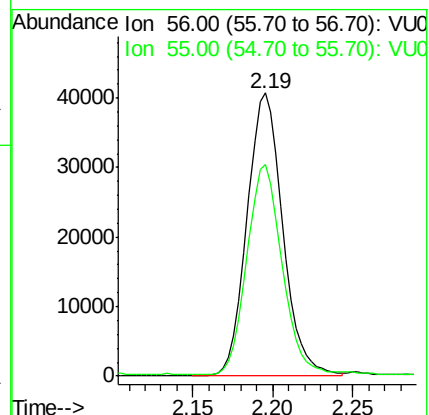
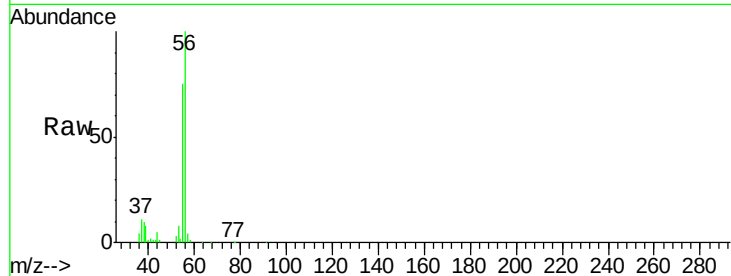
S39-0183MS

Tot Ion: 56 Resp: 62315

Ion Ratio Lower Upper

56 100

55 72.6 58.4 87.6



#14

Allyl chloride

Concen: 39.011 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

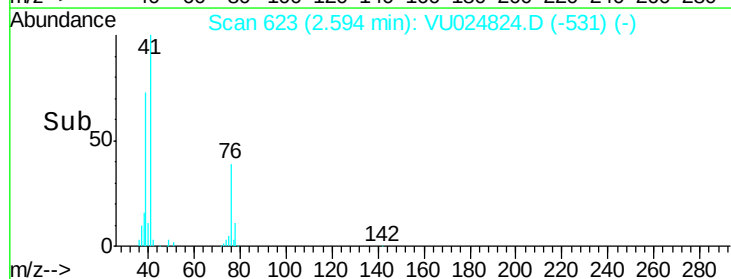
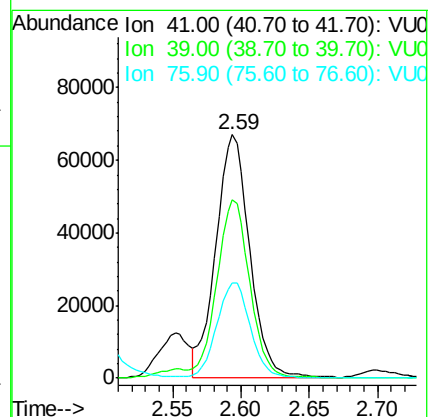
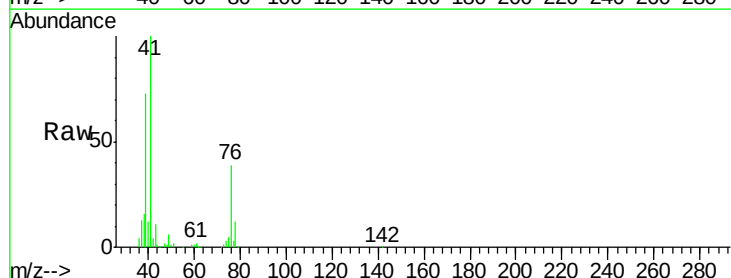
Tgt Ion: 41 Resp: 114789

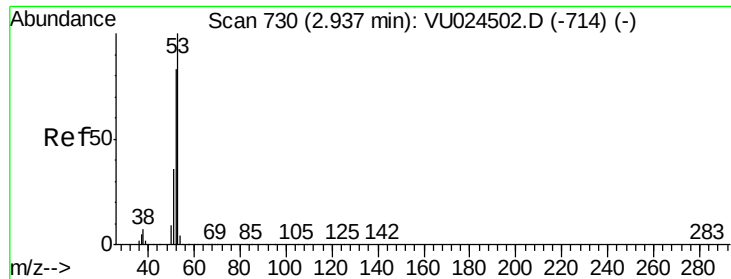
Ion Ratio Lower Upper

41 100

39 71.5 61.6 92.4

76 38.7 29.7 44.5





#15

Acrylonitrile

Concen: 279.073 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

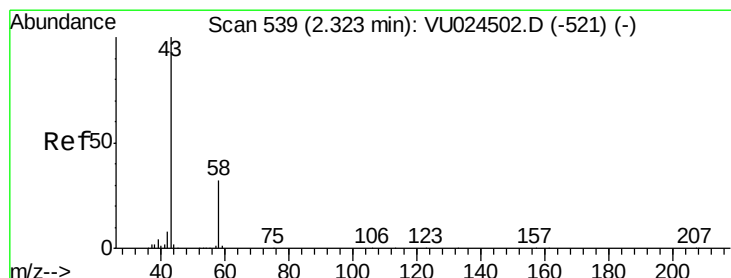
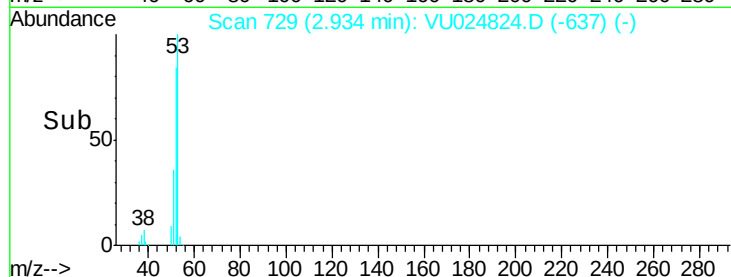
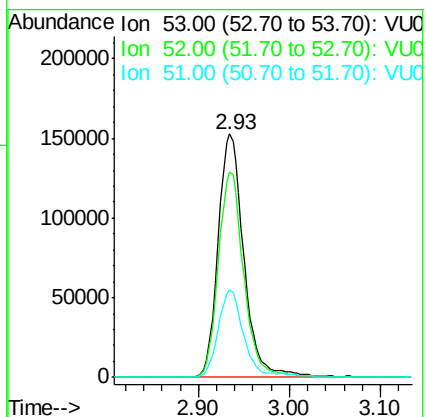
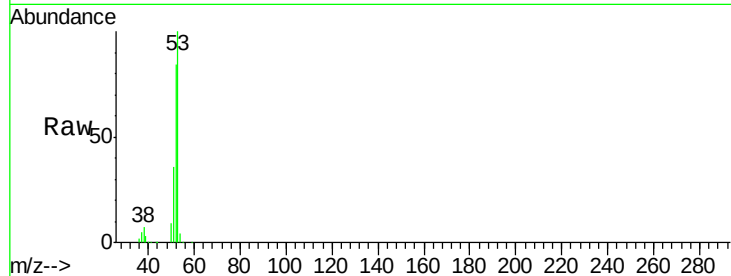
Tot Ion: 53 Resp: 300048

Ion Ratio Lower Upper

53 100

52 83.6 67.1 100.7

51 34.7 28.4 42.6



#16

Acetone

Concen: 233.013 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024824.D

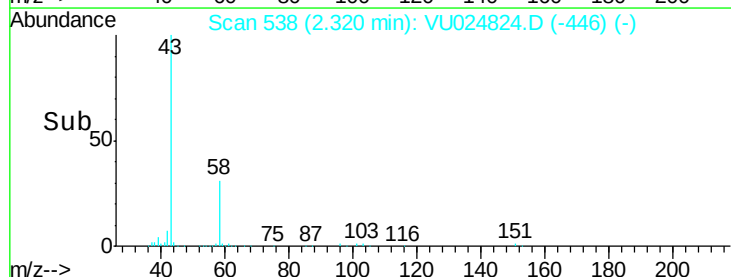
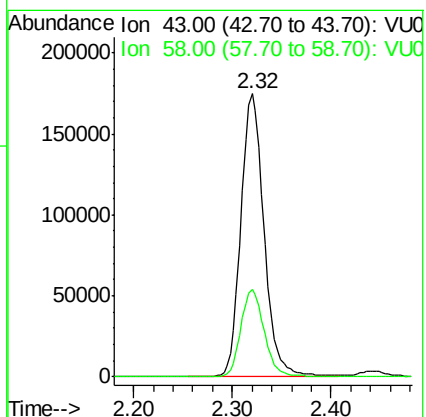
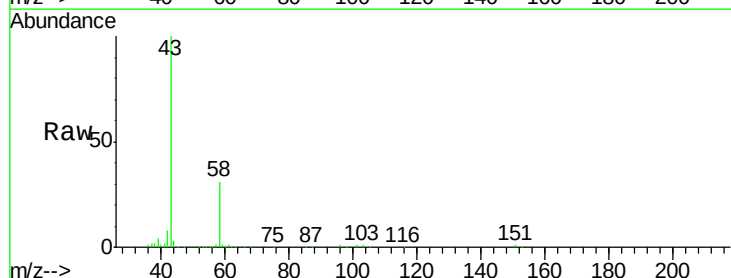
Acq: 21 Jun 2018 20:33

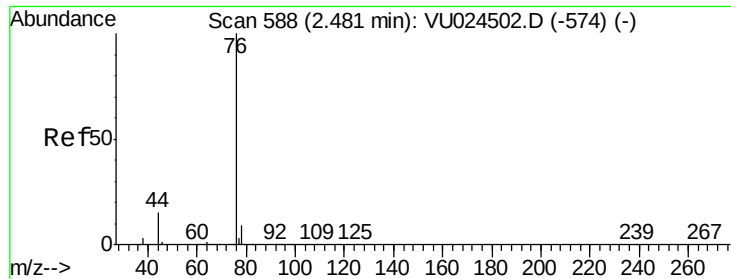
Tgt Ion: 43 Resp: 284467

Ion Ratio Lower Upper

43 100

58 30.8 24.4 36.6

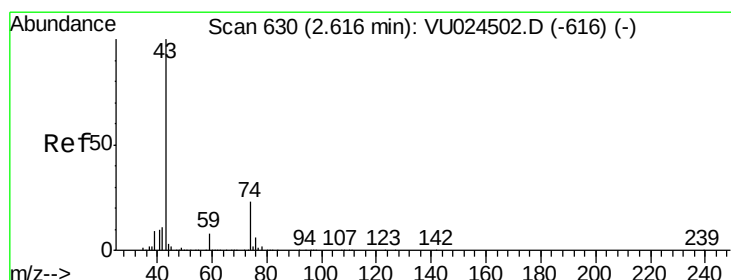
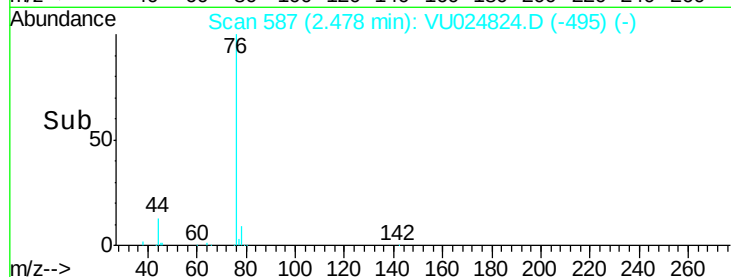
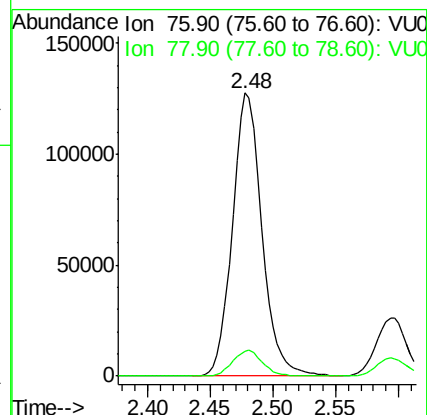
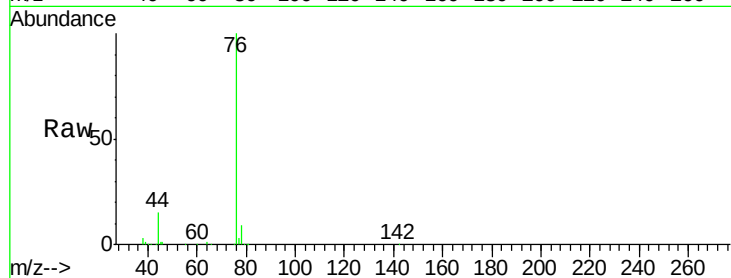




#17
Carbon Disulfide
Concen: 41.021 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

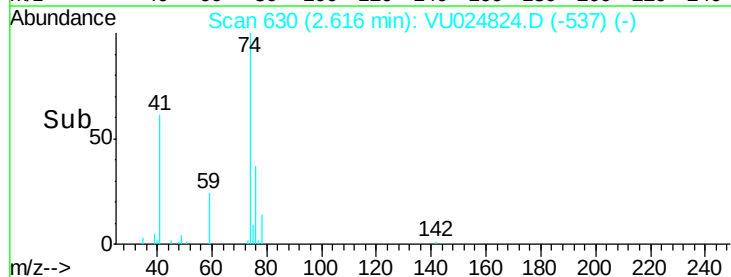
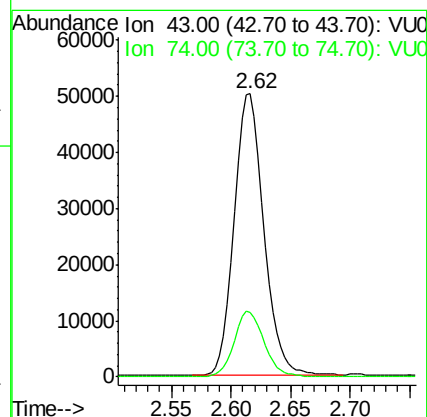
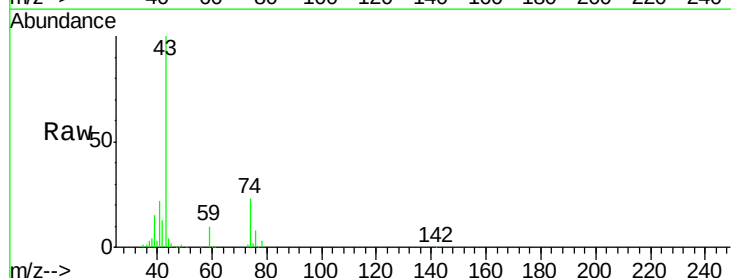
Instrument :
MSVOA_U
ClientSampled :
S39-0183MS

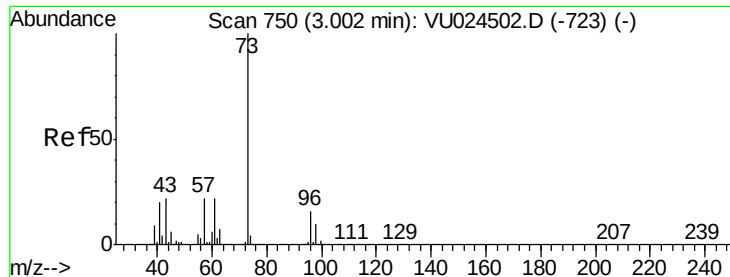
Tot Ion: 76 Resp: 208159
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 33.184 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion: 43 Resp: 86849
Ion Ratio Lower Upper
43 100
74 23.6 18.0 27.0

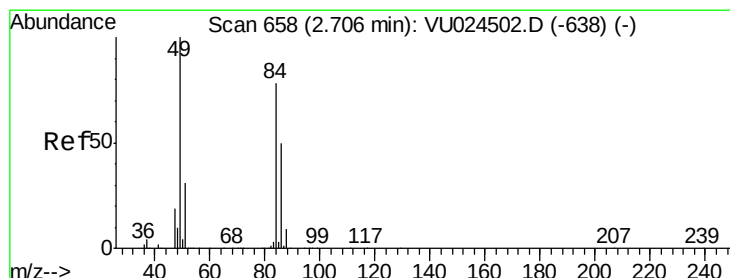
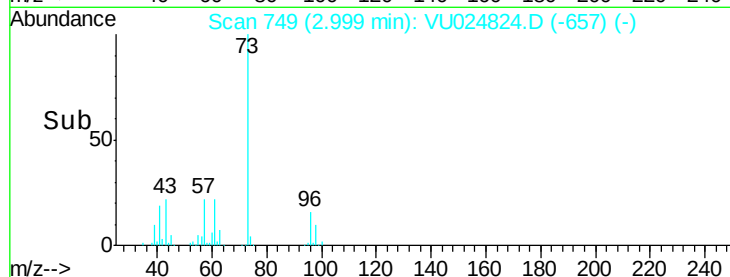
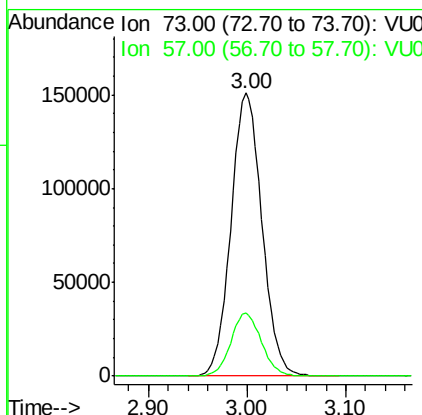
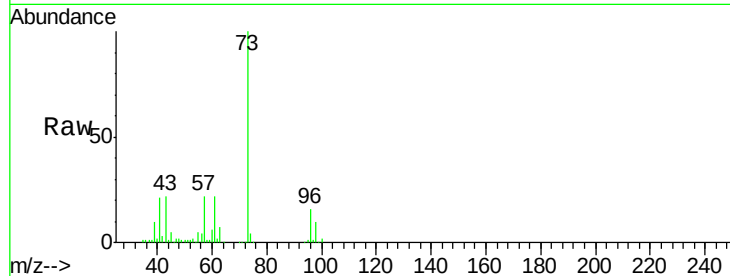




#19
Methyl tert-butyl Ether
Concen: 55.325 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

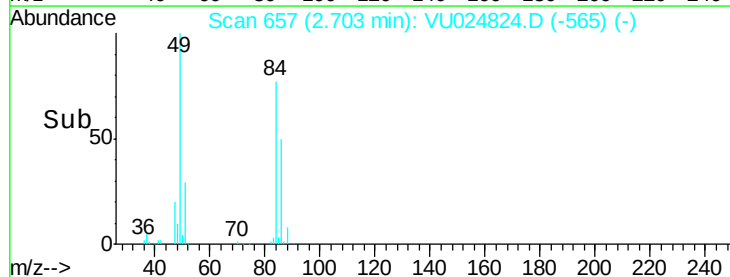
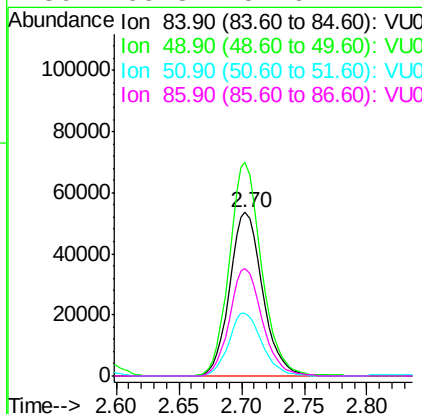
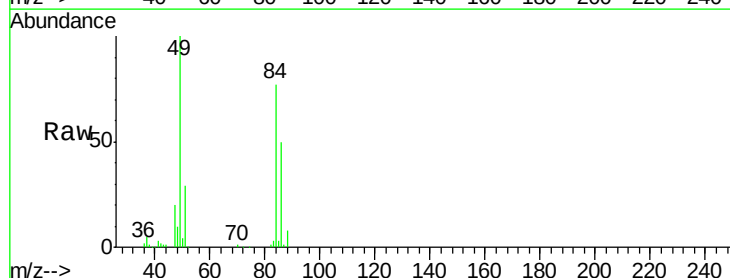
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

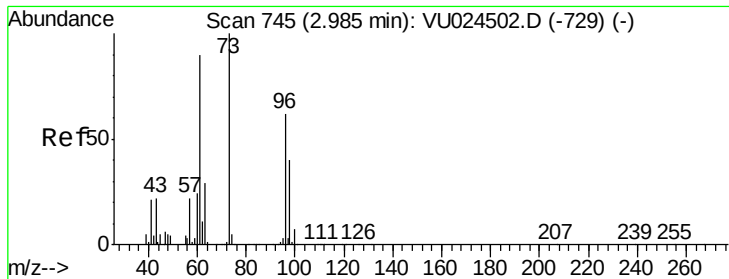
Tot Ion: 73 Resp: 329577
Ion Ratio Lower Upper
73 100
57 22.2 18.8 28.2



#20
Methylene Chloride
Concen: 51.047 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion: 84 Resp: 97784
Ion Ratio Lower Upper
84 100
49 130.4 103.8 155.8
51 38.2 32.0 48.0
86 65.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.412 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

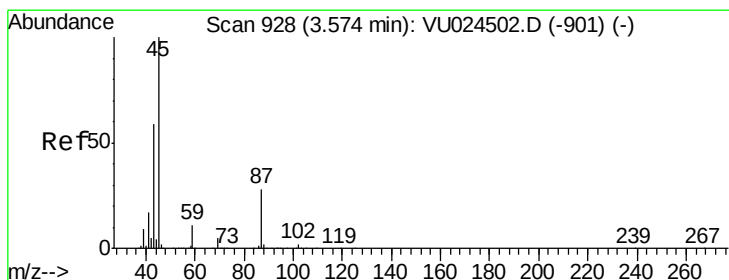
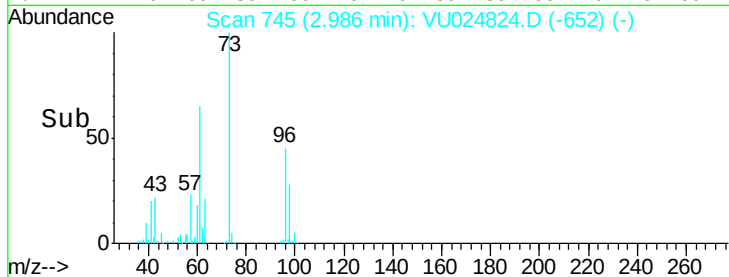
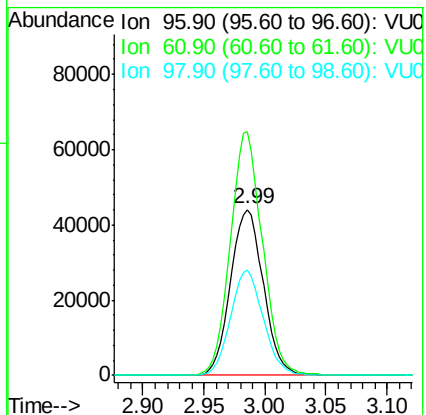
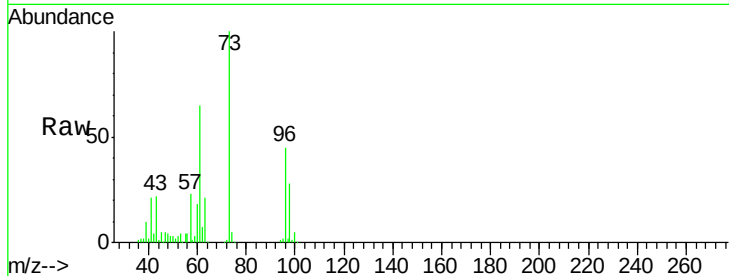
Tot Ion: 96 Resp: 82755

Ion Ratio Lower Upper

96 100

61 146.6 119.4 179.0

98 63.6 51.1 76.7



#22

Diisopropyl ether

Concen: 54.712 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Tgt Ion: 45 Resp: 319140

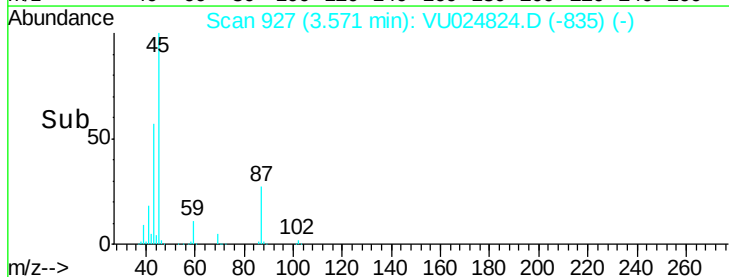
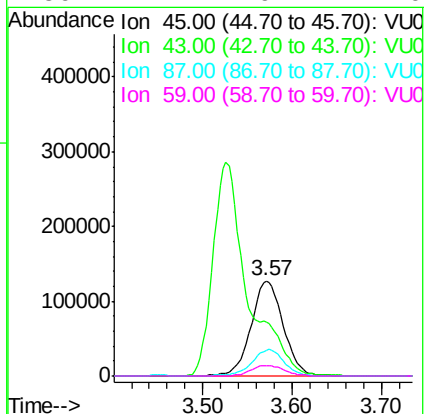
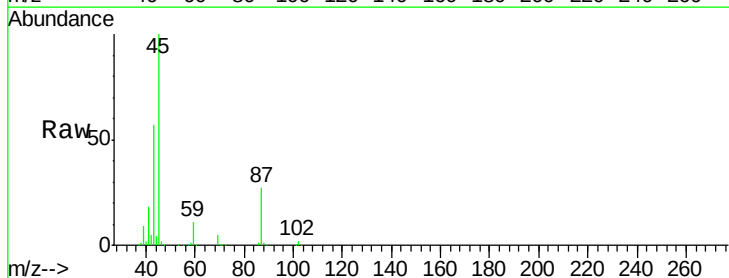
Ion Ratio Lower Upper

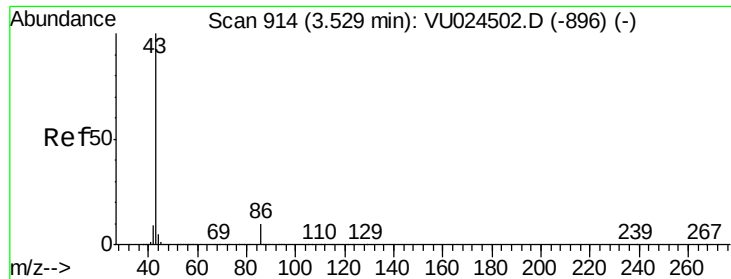
45 100

43 56.3 45.8 68.6

87 27.1 20.6 31.0

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 146.913 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

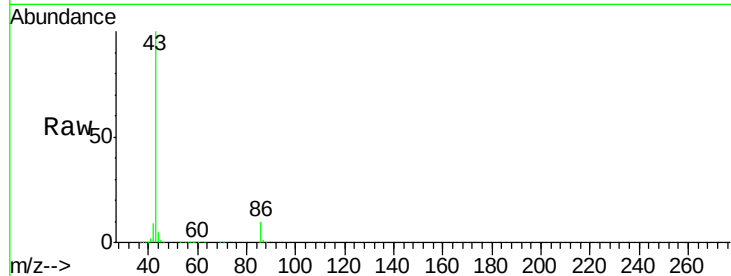
S39-0183MS

Tot Ion: 43 Resp: 767652

Ion Ratio Lower Upper

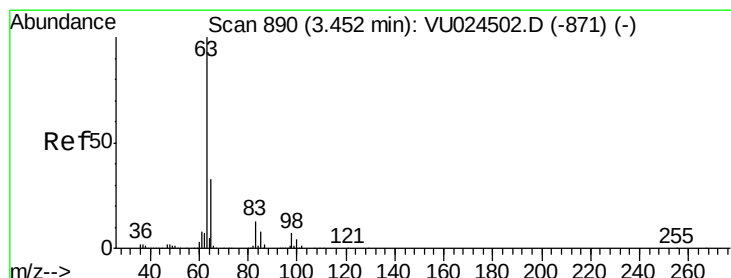
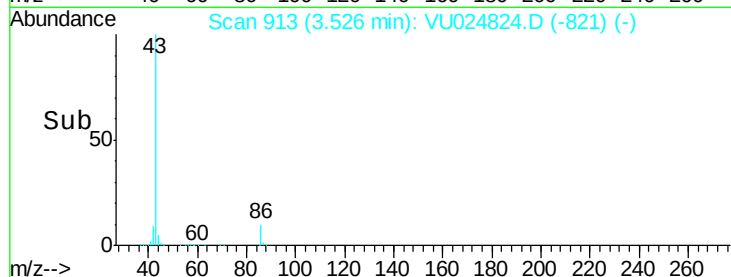
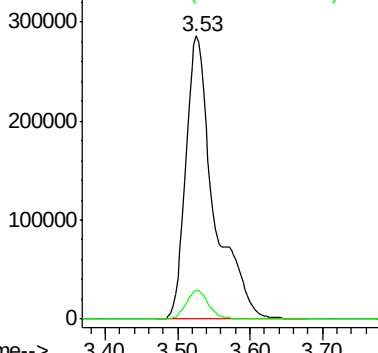
43 100

86 10.2 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: 52.708 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

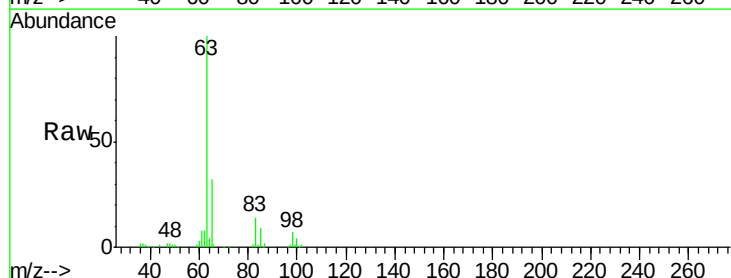
Tgt Ion: 63 Resp: 176867

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

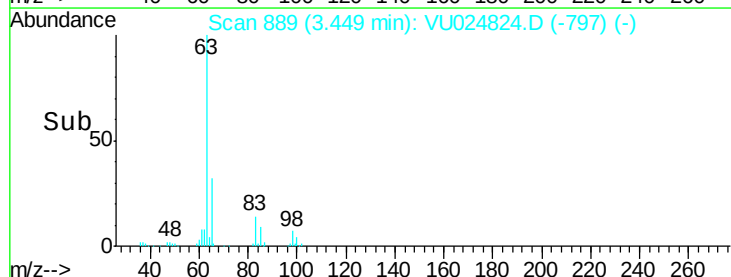
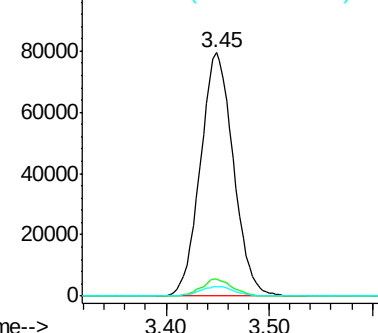
100 4.0 1.8 5.5

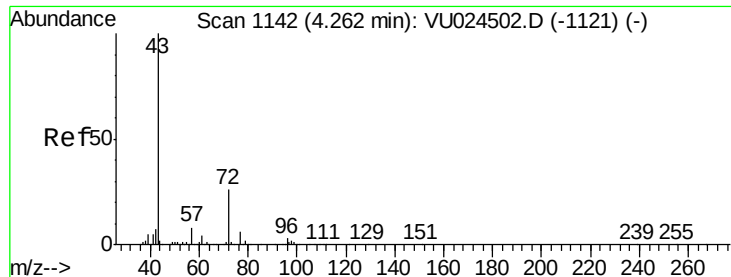


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

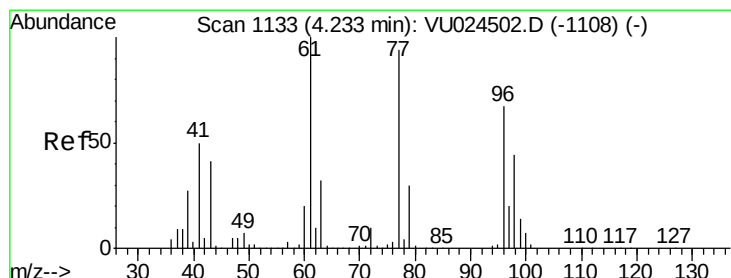
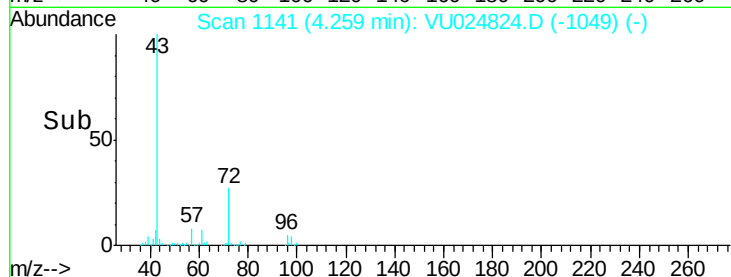
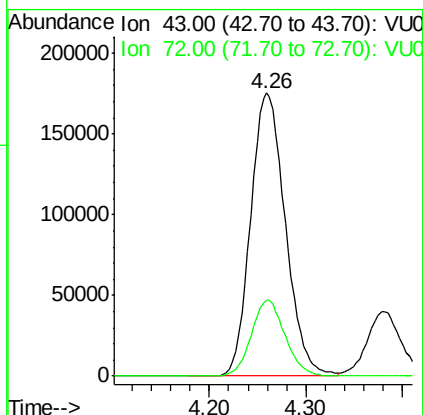
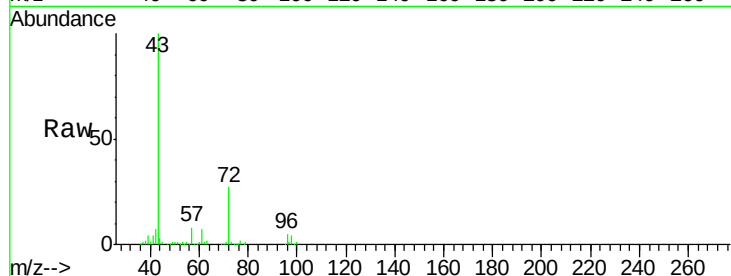




#25
 2-Butanone
 Concen: 265.771 ug/l
 RT: 4.26 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

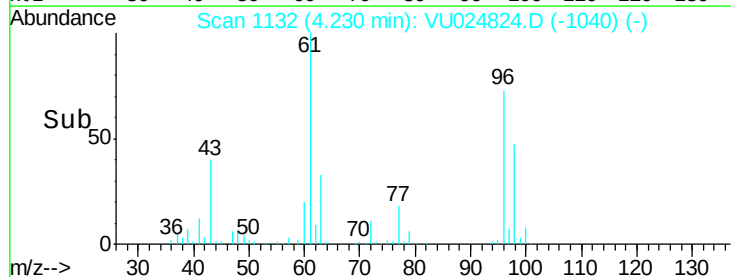
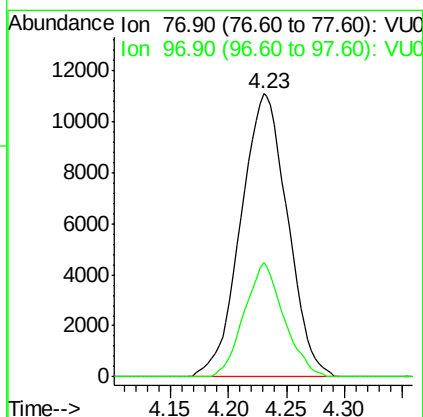
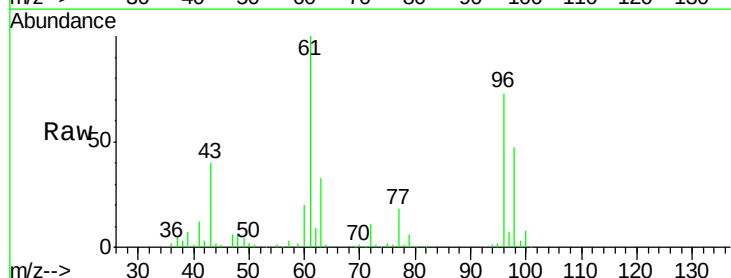
Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183MS

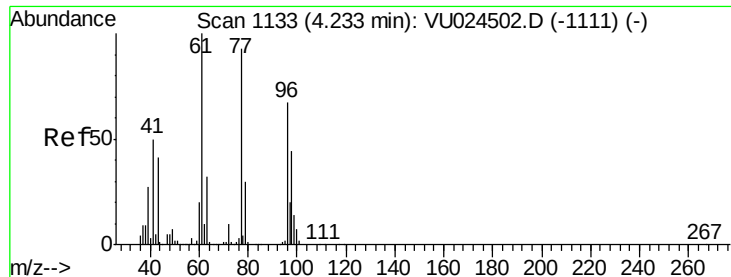
Tot Ion: 43 Resp: 435821
 Ion Ratio Lower Upper
 43 100
 72 26.9 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 9.764 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion: 77 Resp: 31111
 Ion Ratio Lower Upper
 77 100
 97 34.3 11.3 33.8#





#27

cis-1,2-Dichloroethene

Concen: 55.702 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

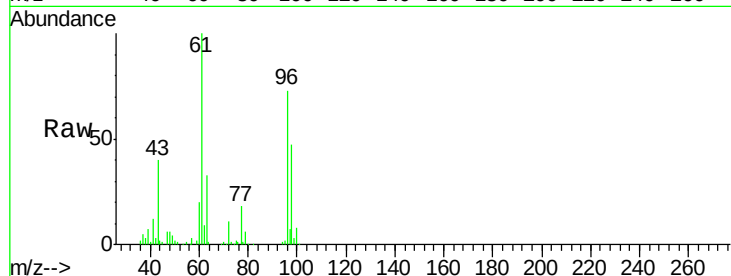
Tot Ion: 96 Resp: 111777

Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	306.6
98	64.7	0.0	128.8

96 100

61 136.6 0.0 306.6

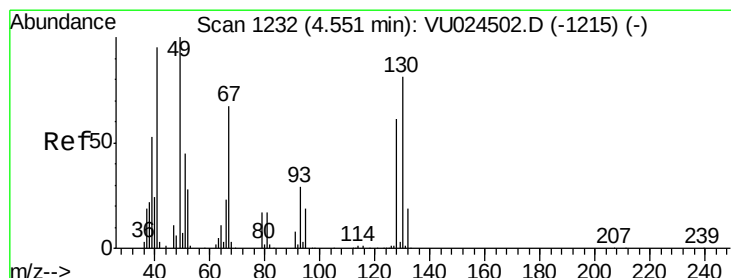
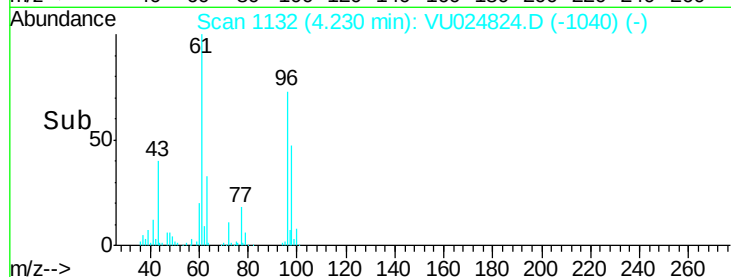
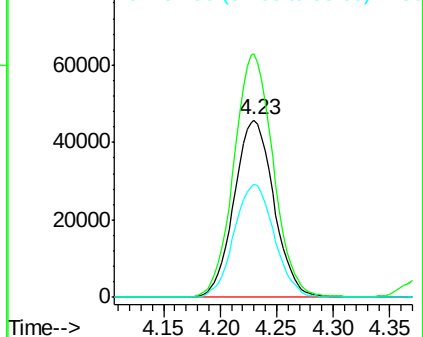
98 64.7 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 55.442 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

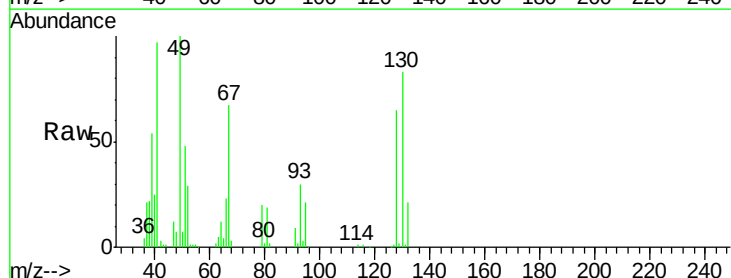
Tgt Ion: 49 Resp: 81944

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	81.9	57.8	86.6

49 100

129 2.0 0.0 3.8

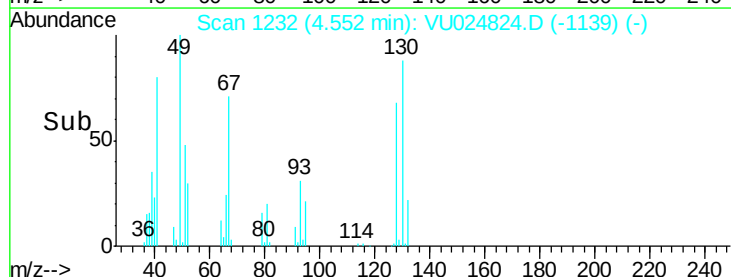
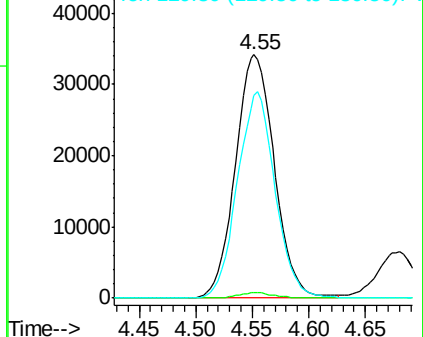
130 81.9 57.8 86.6

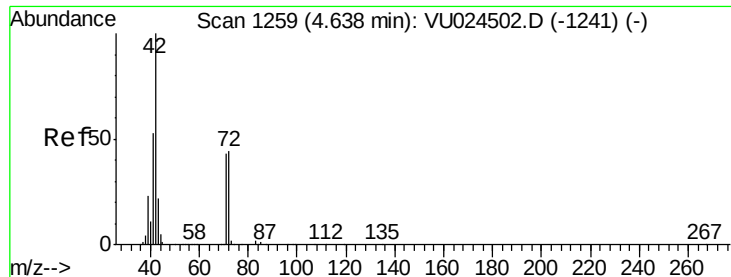


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 276.351 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

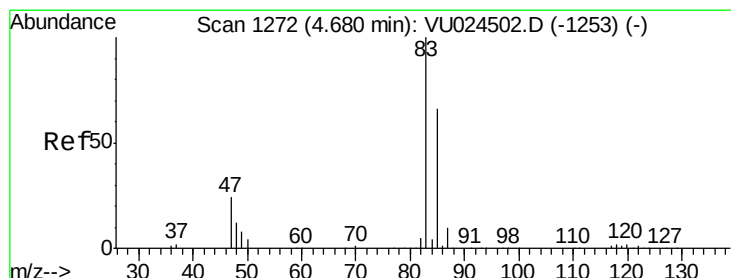
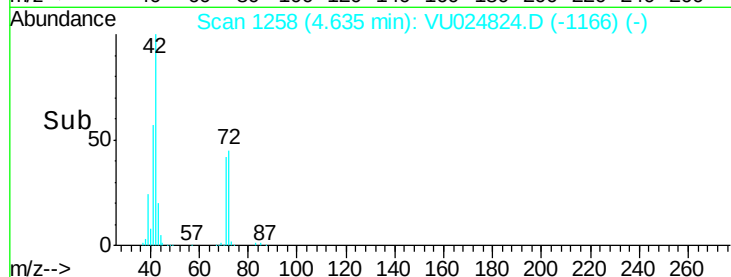
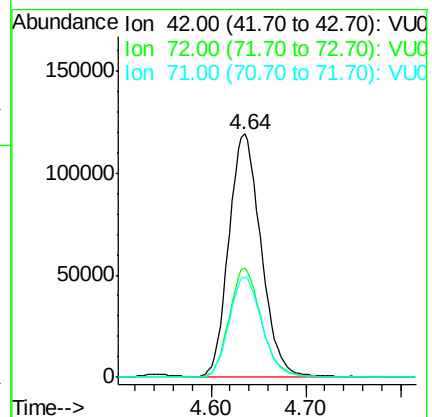
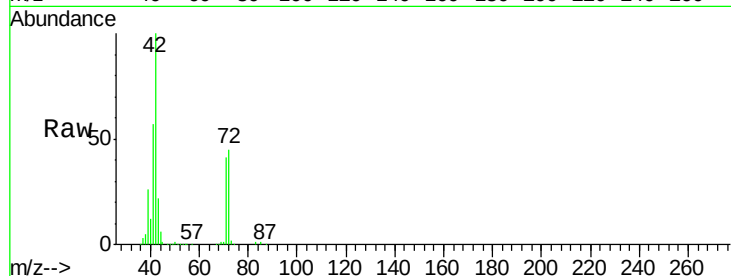
Tot Ion: 42 Resp: 280634

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

71 42.3 32.2 48.4



#30

Chloroform

Concen: 55.087 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024824.D

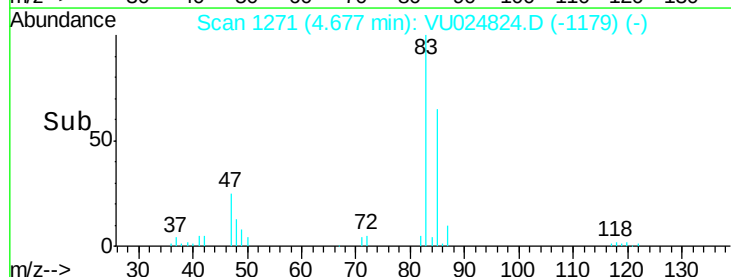
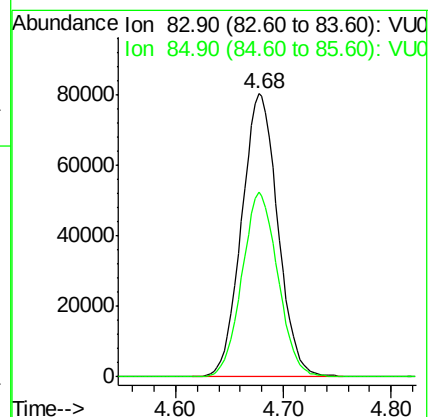
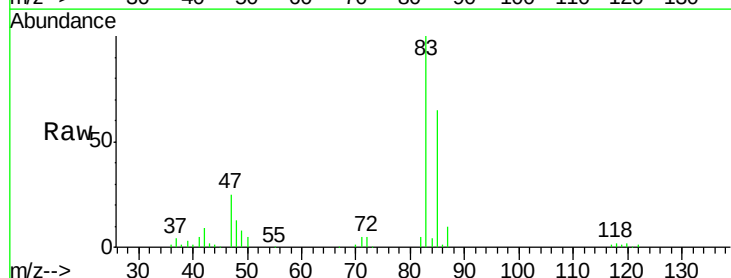
Acq: 21 Jun 2018 20:33

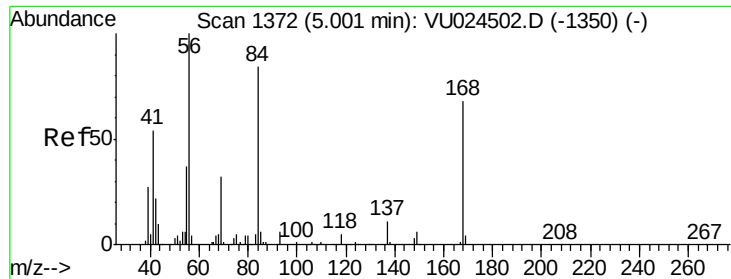
Tgt Ion: 83 Resp: 187099

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6

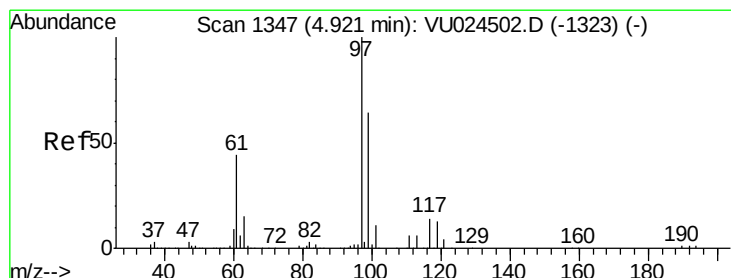
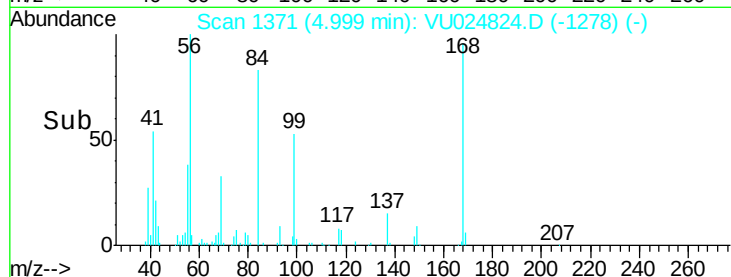
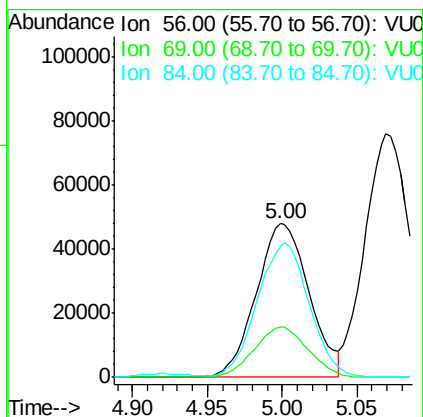
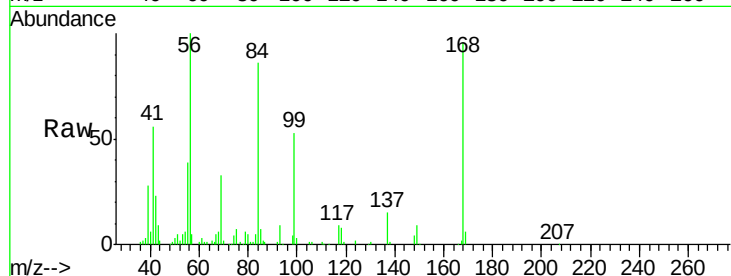




#31
Cyclohexane
Concen: 39.118 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

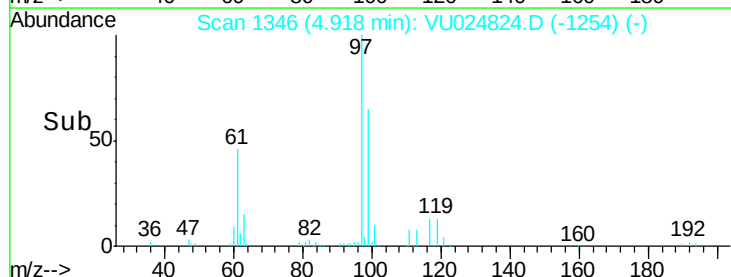
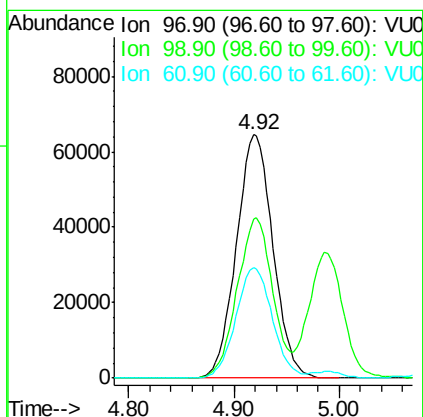
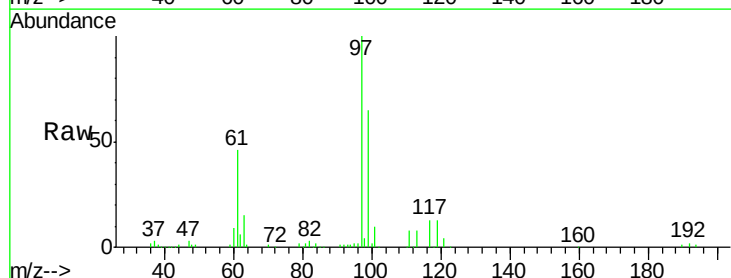
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

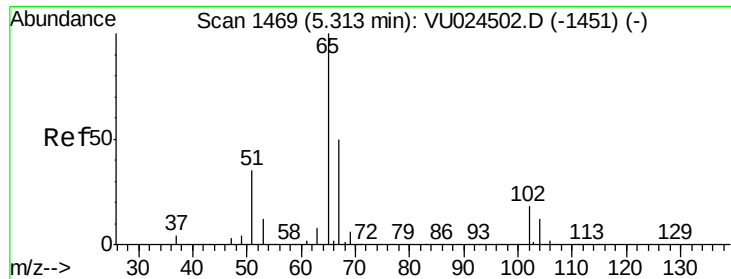
Tot Ion: 56 Resp: 117847
Ion Ratio Lower Upper
56 100
69 32.9 24.8 37.2
84 84.0 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 49.477 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion: 97 Resp: 155395
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.3 39.4 59.0

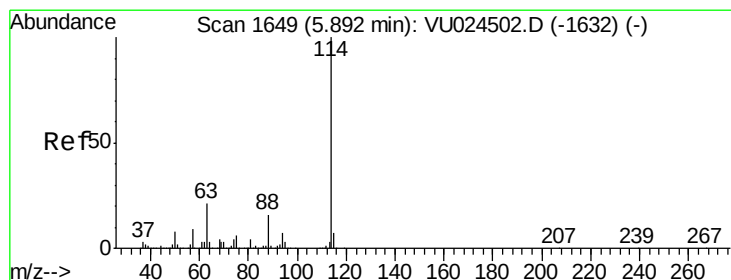
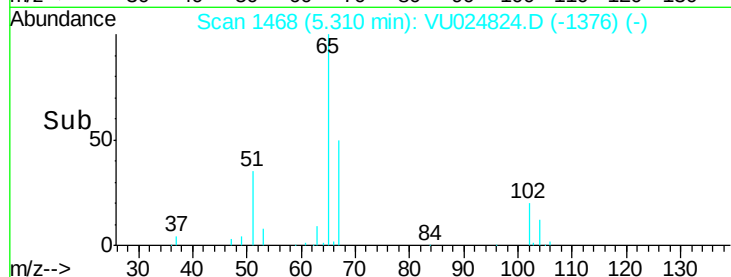
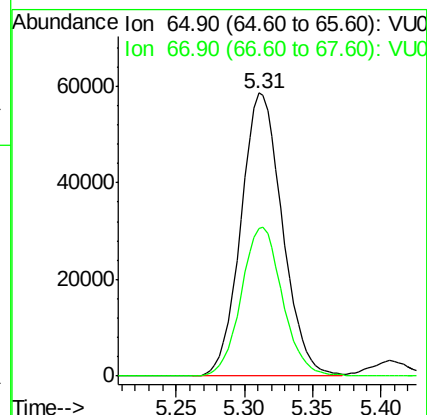
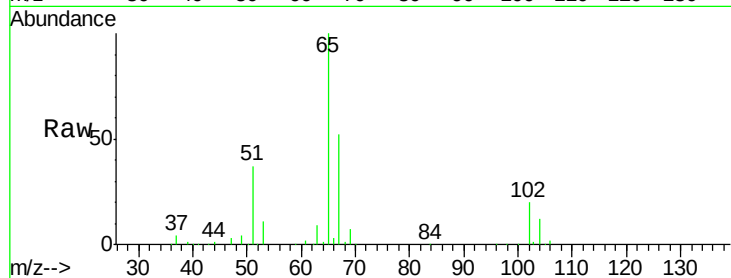




#33
 1,2-Dichloroethane-d4
 Concen: 54.366 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

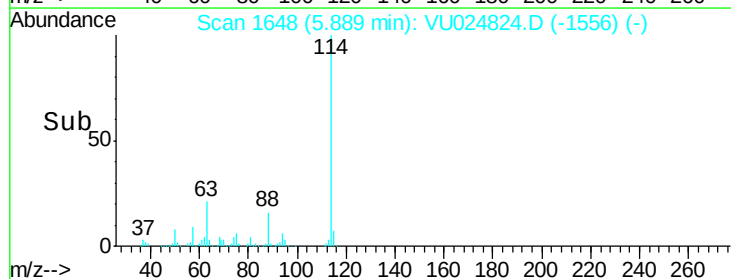
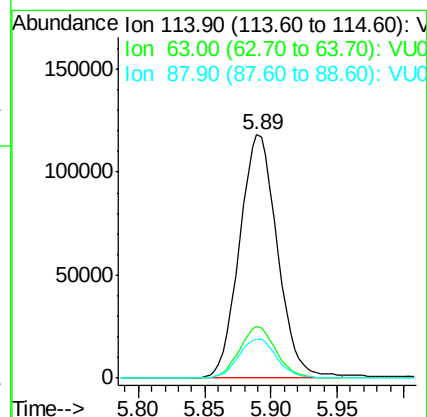
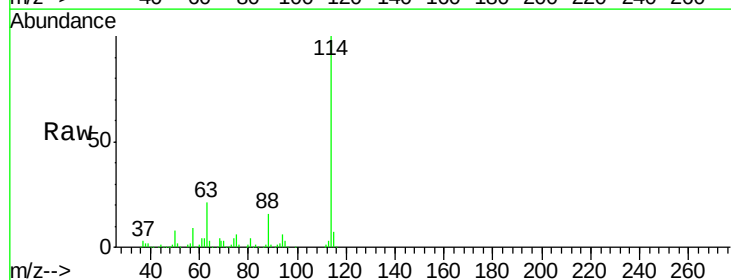
Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183MS

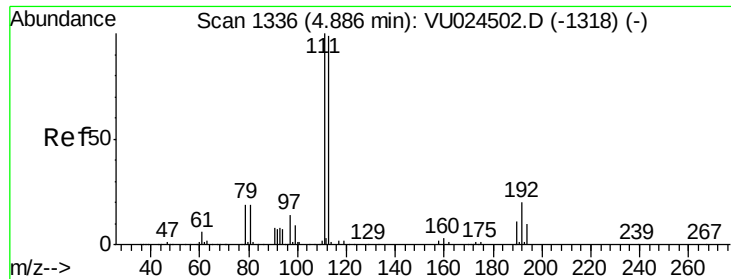
Tot Ion: 65 Resp: 123528
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion: 114 Resp: 235425
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.4
 88 16.0 0.0 31.0

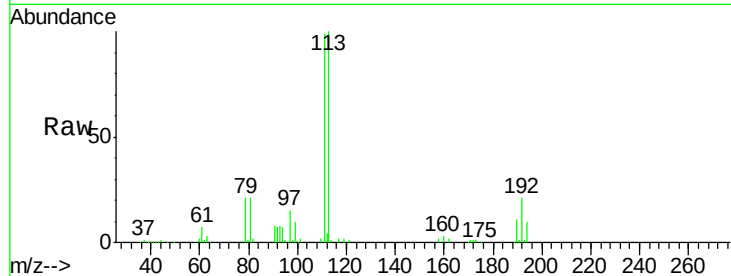




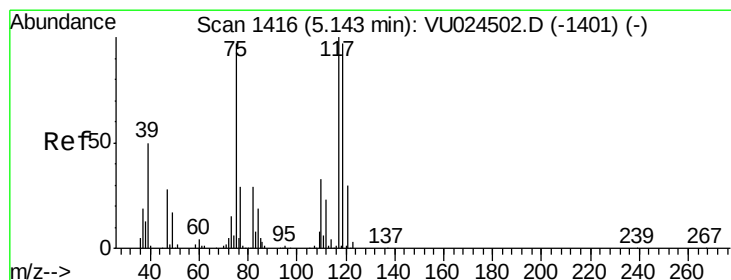
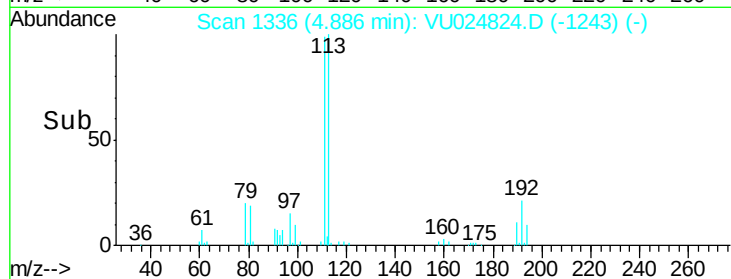
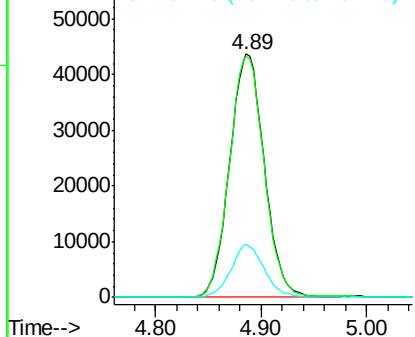
#35
 Dibromofluoromethane
 Concen: 50.865 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.2	123.4
192	20.7	16.2	24.4

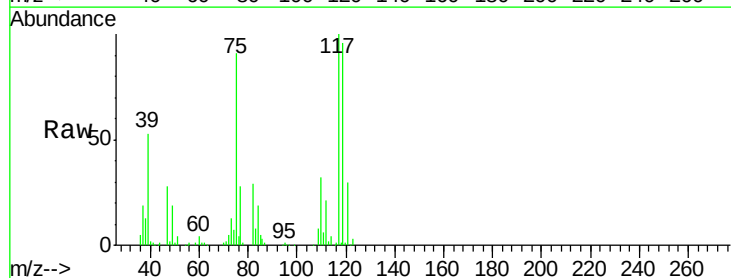


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

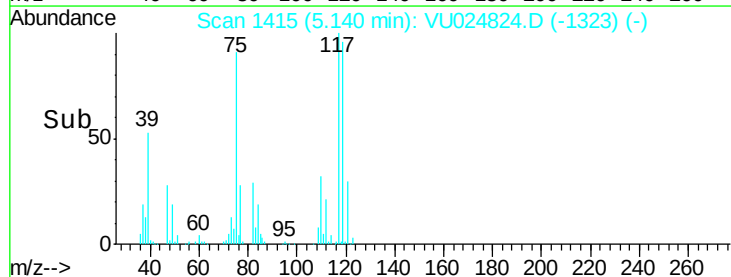
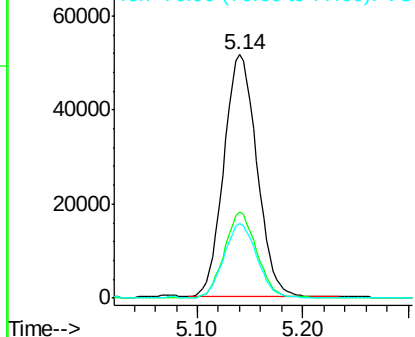


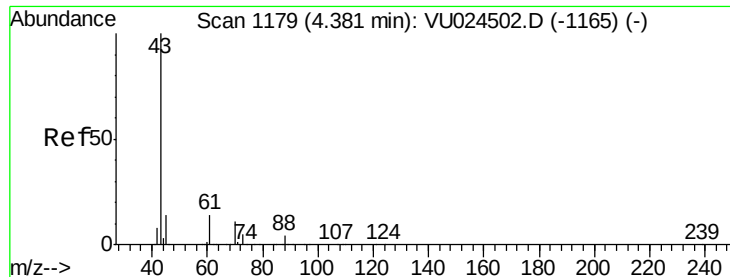
#36
 1,1-Dichloropropene
 Concen: 40.521 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.0	50.9
77	31.0	24.2	36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

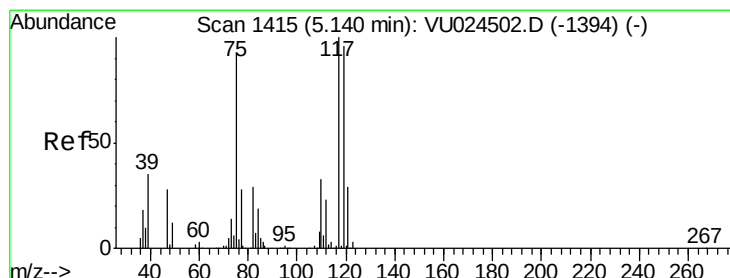
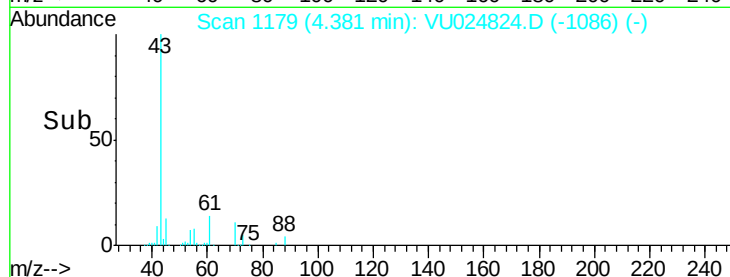
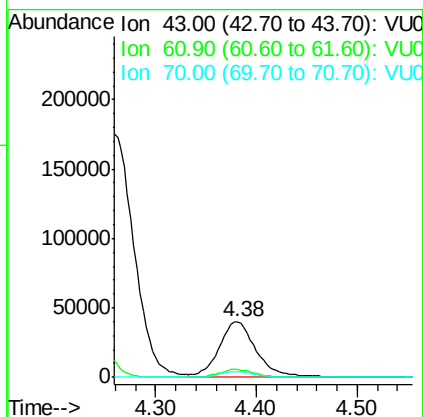
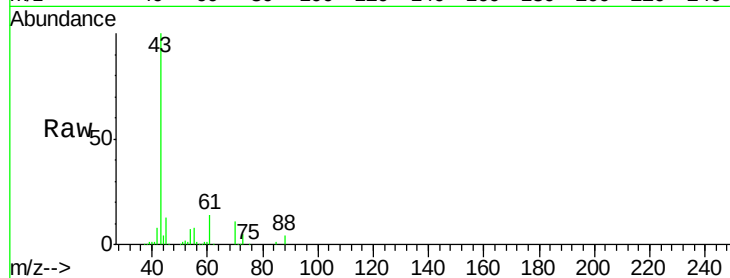




#37
Ethyl Acetate
Concen: 33.102 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

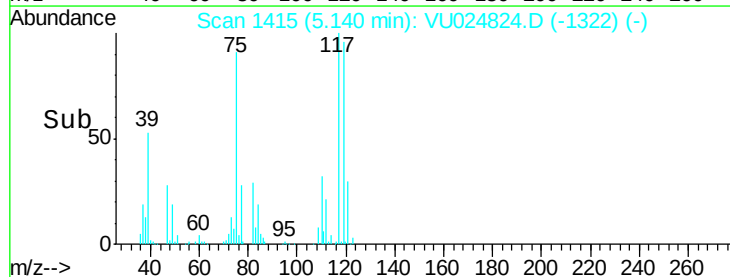
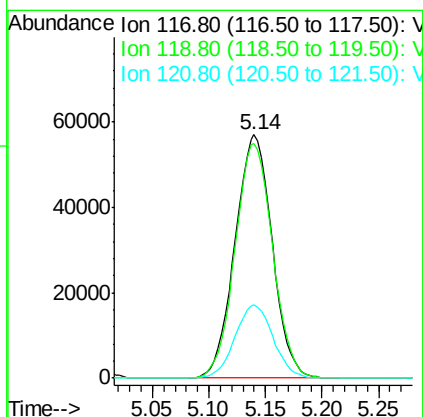
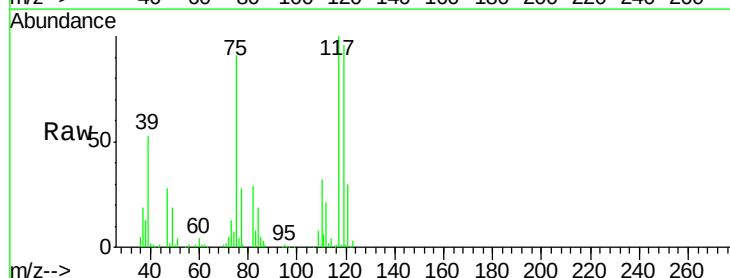
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

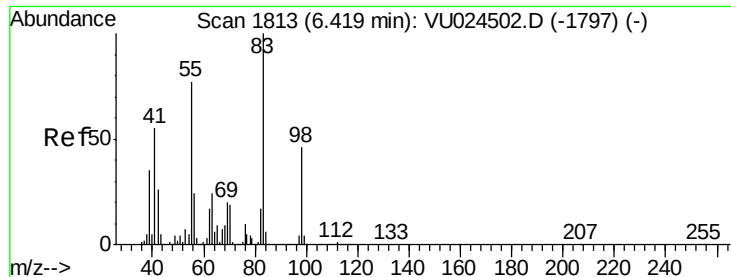
Tot Ion	43	Resp	99809
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	10.3	7.4	11.2



#38
Carbon Tetrachloride
Concen: 42.912 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion	117	Resp	130544
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.1	114.1
121	30.1	23.7	35.5

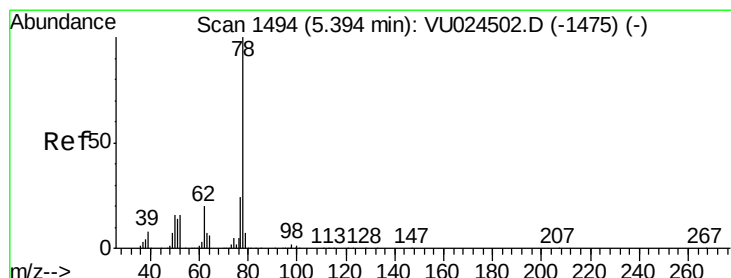
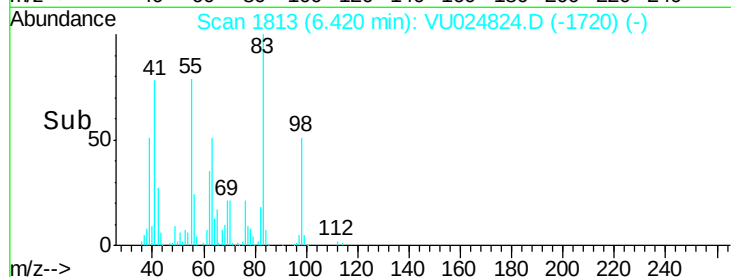
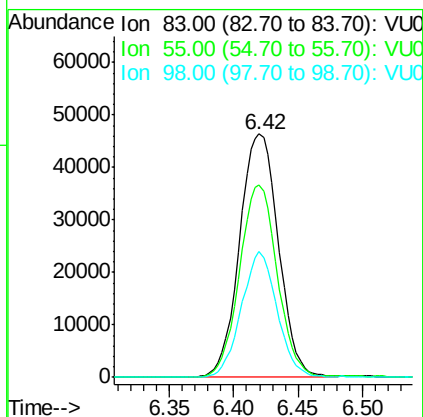
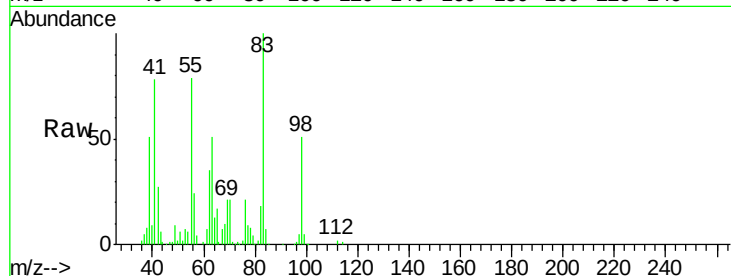




#39
Methylvlcyclohexane
Concen: 28.256 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

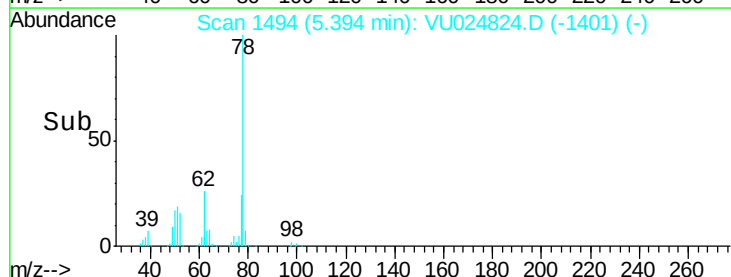
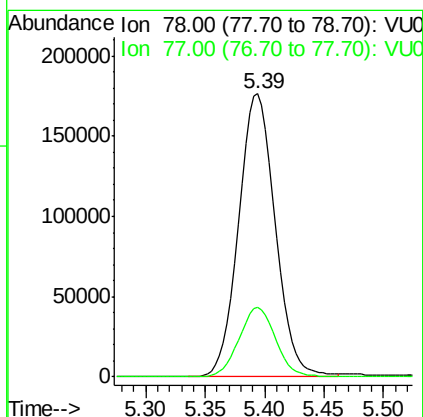
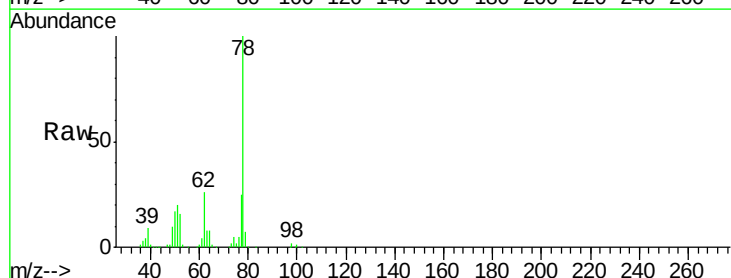
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

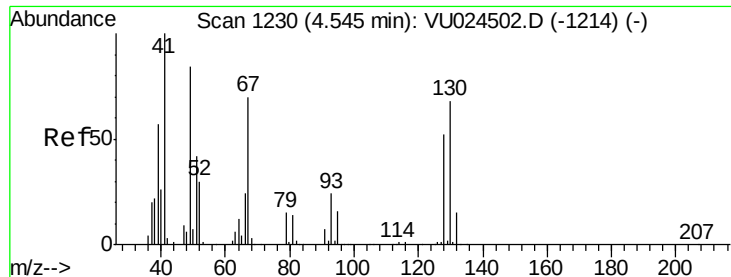
Tot Ion: 83 Resp: 97549
Ion Ratio Lower Upper
83 100
55 79.2 65.8 98.6
98 51.5 36.7 55.1



#40
Benzene
Concen: 47.810 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion: 78 Resp: 376874
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8

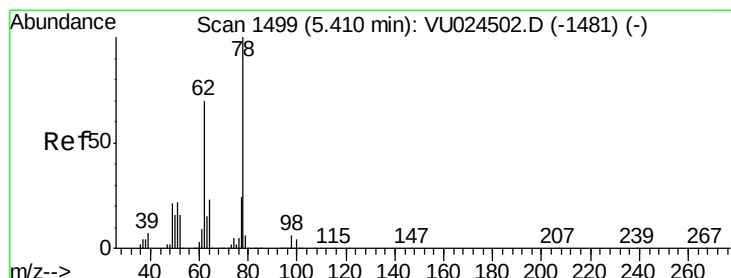
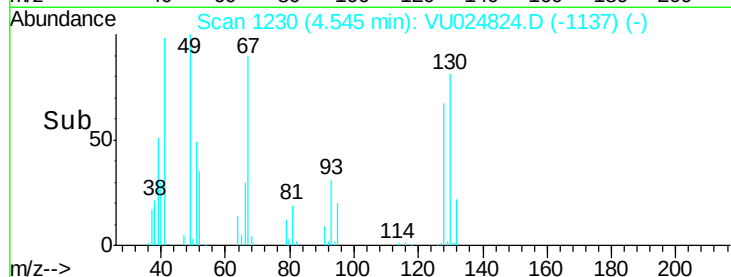
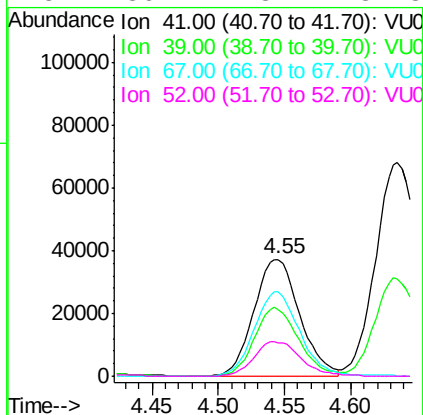
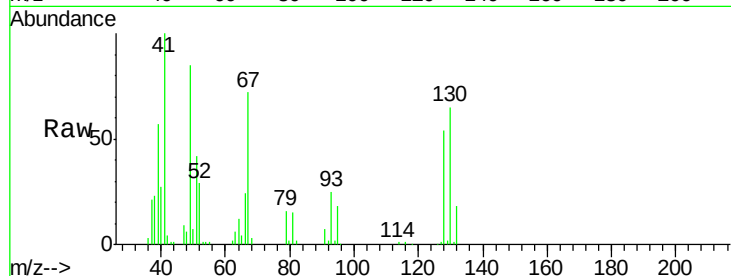




#41
Methacrylonitrile
Concen: 54.908 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

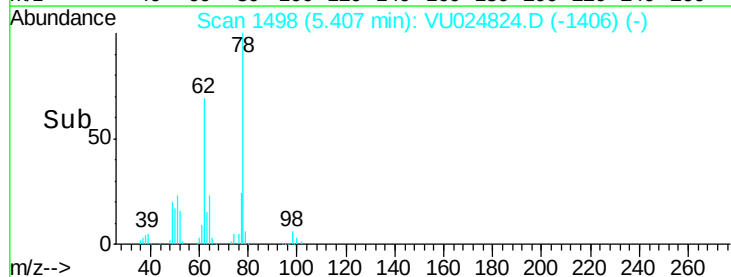
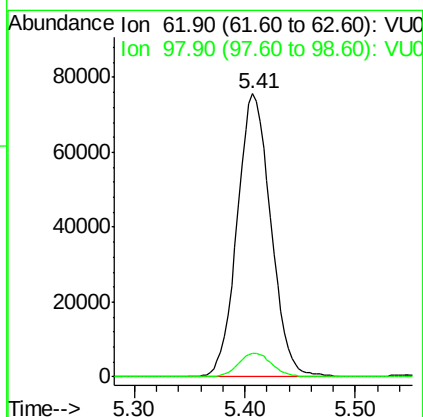
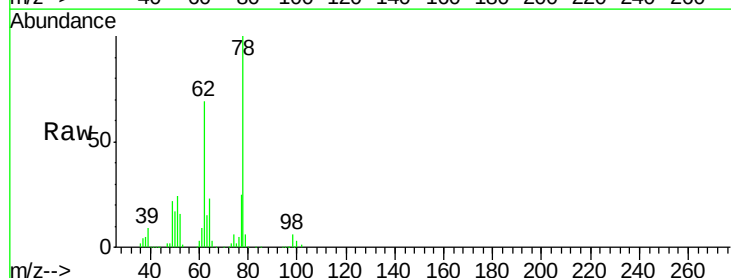
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

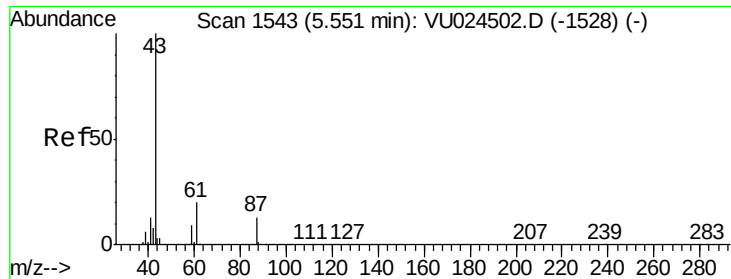
Tot Ion:	41	Resp:	89264
Ion	Ratio	Lower	Upper
41	100		
39	57.4	43.8	65.6
67	71.9	56.3	84.5
52	30.7	23.2	34.8



#42
1,2-Dichloroethane
Concen: 53.384 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion:	62	Resp:	160272
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 37.156 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

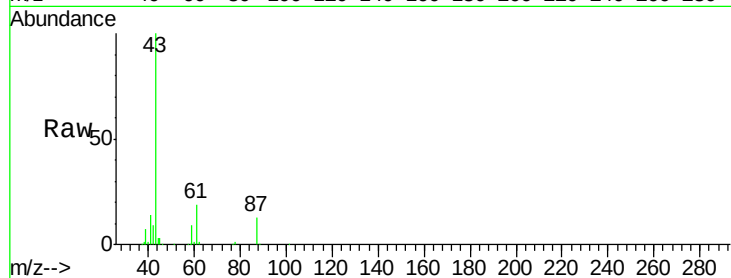
Tot Ion: 43 Resp: 193655

Ion Ratio Lower Upper

43 100

61 19.6 15.4 23.0

87 13.2 10.0 15.0



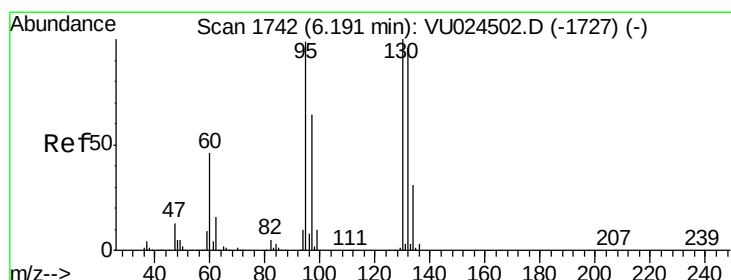
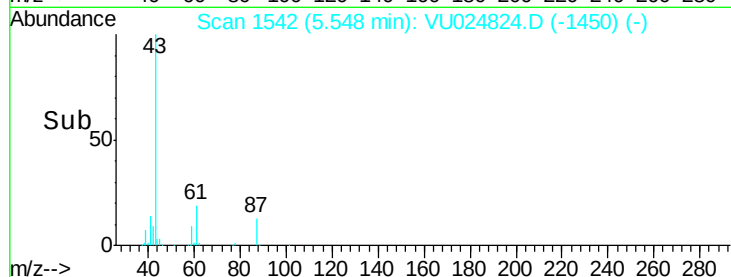
Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)

5.55

Time-->



#44

Trichloroethene

Concen: 57.188 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024824.D

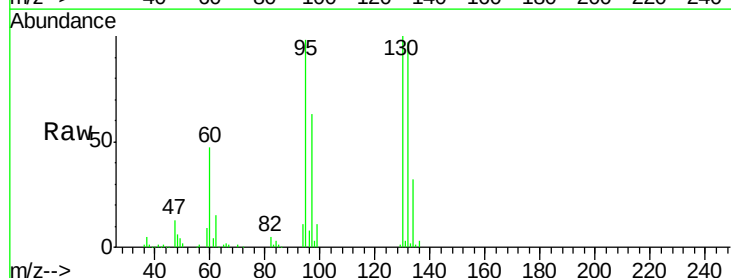
Acq: 21 Jun 2018 20:33

Tgt Ion:130 Resp: 128298

Ion Ratio Lower Upper

130 100

95 98.5 0.0 202.4

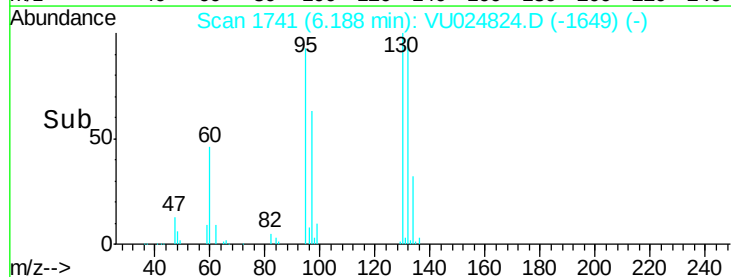


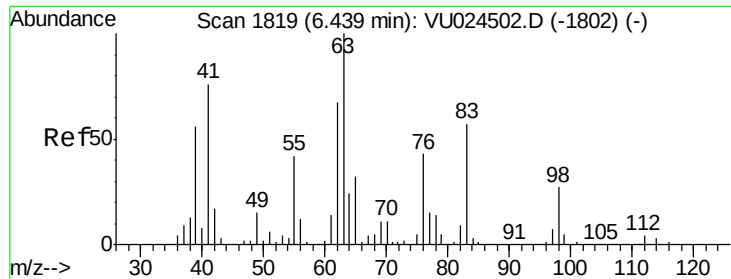
Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.19

Time-->

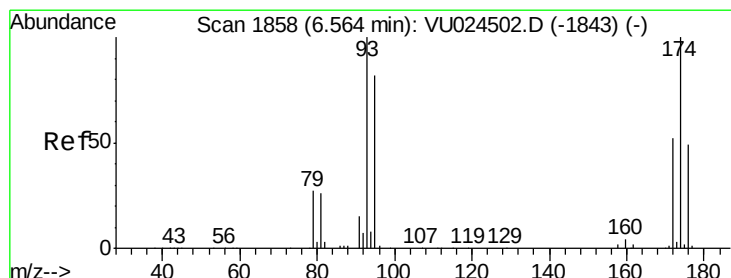
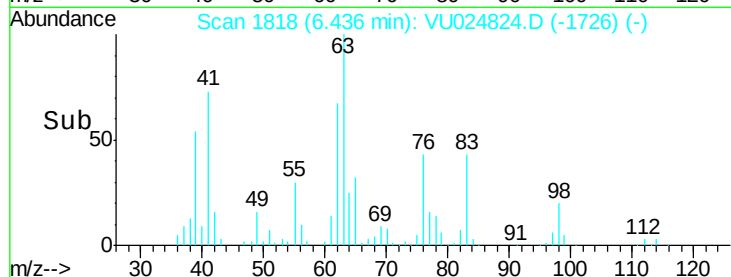
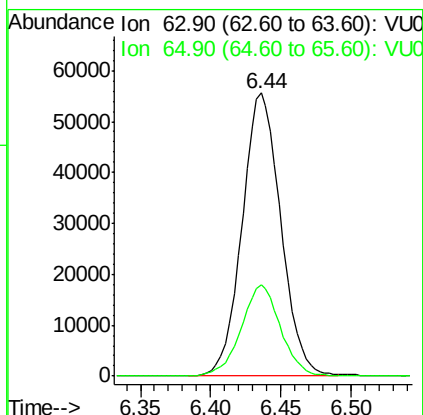
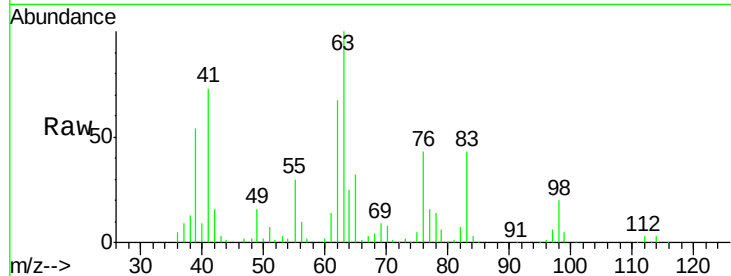




#45
 1,2-Dichloropropane
 Concen: 50.813 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

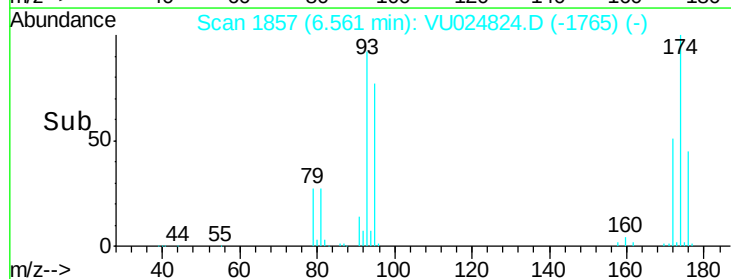
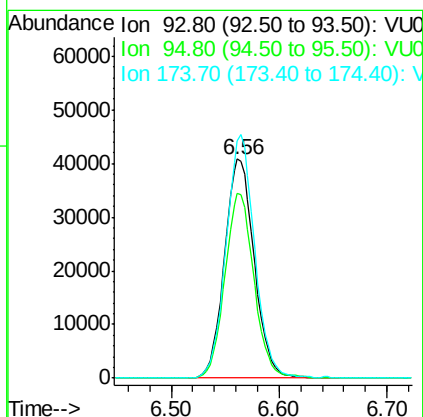
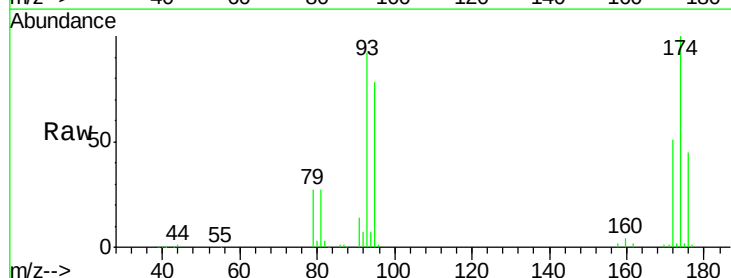
Instrument :
 MSVOA_U
 ClientSampled :
 S39-0183MS

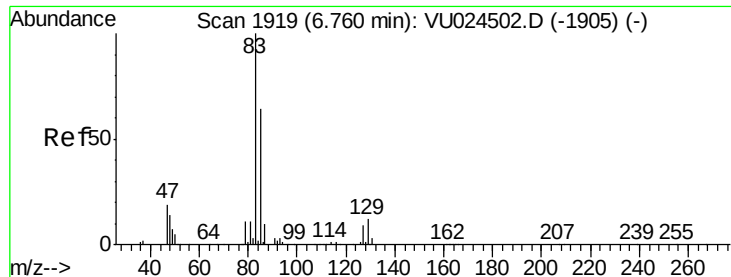
Tot Ion: 63 Resp: 106875
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.8 37.2



#46
 Dibromomethane
 Concen: 52.998 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion: 93 Resp: 78299
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.5 98.3
 174 107.2 78.7 118.1





#47

Bromodichloromethane

Concen: 50.165 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

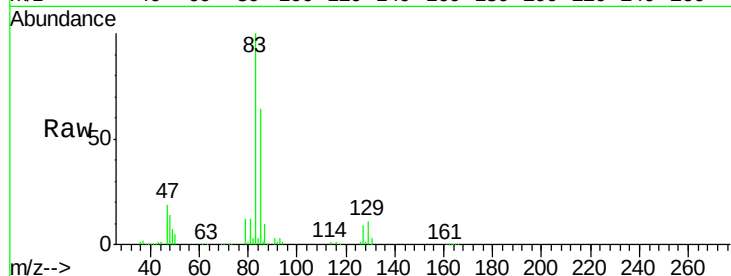
Tot Ion: 83 Resp: 147582

Ion Ratio Lower Upper

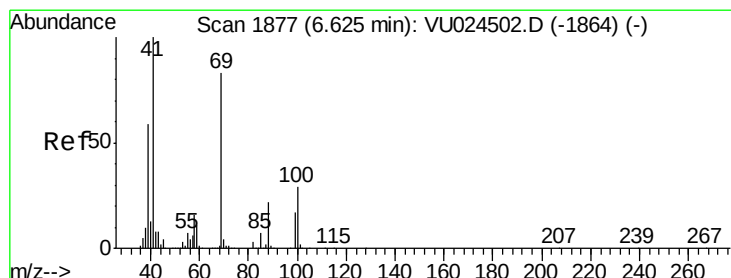
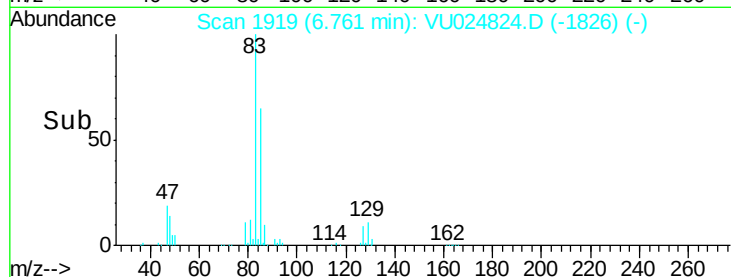
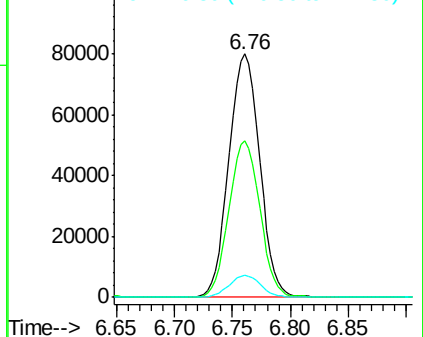
83 100

85 64.4 51.9 77.9

127 9.0 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: 52.479 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

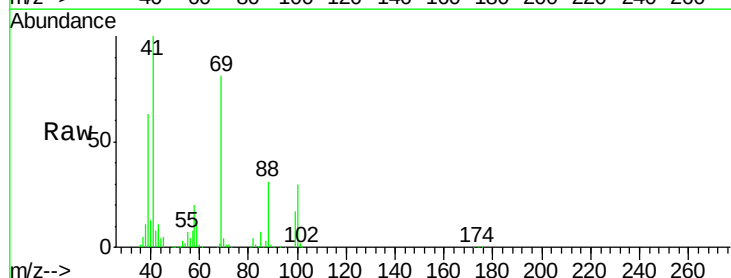
Tgt Ion: 41 Resp: 133187

Ion Ratio Lower Upper

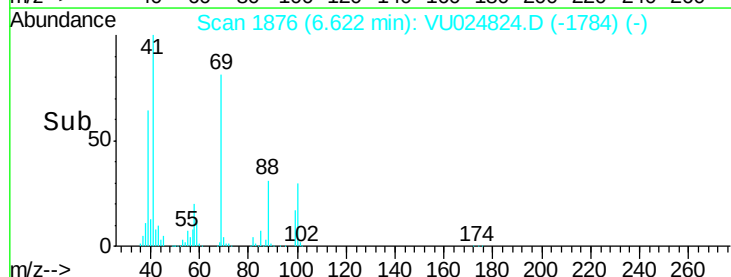
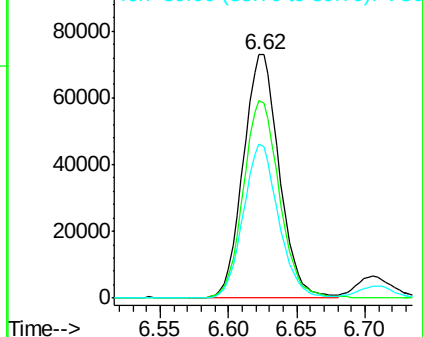
41 100

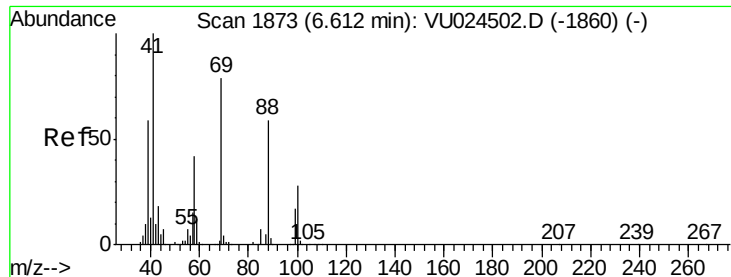
69 81.3 67.3 100.9

39 61.2 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

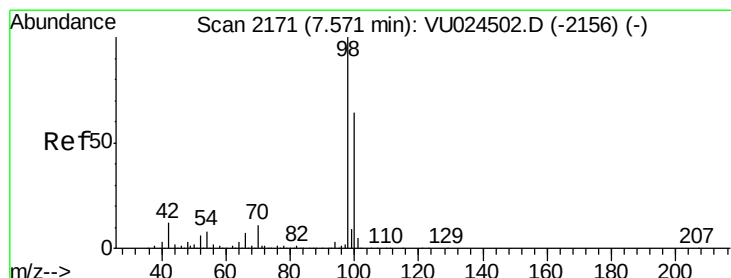
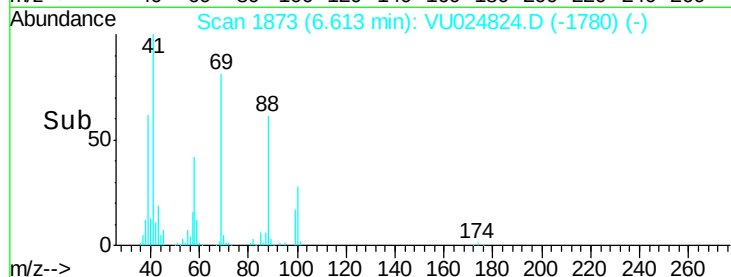
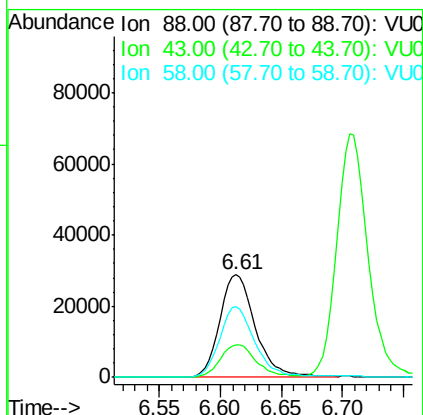
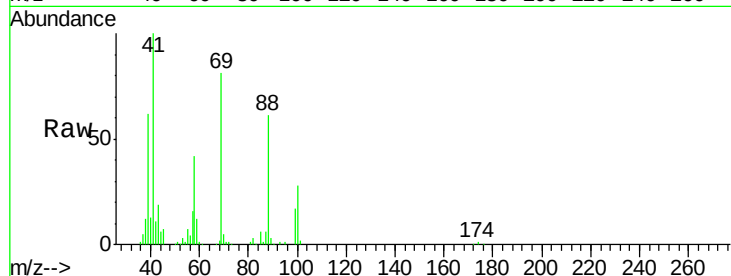




#49
1,4-Dioxane
Concen: 1174.068 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

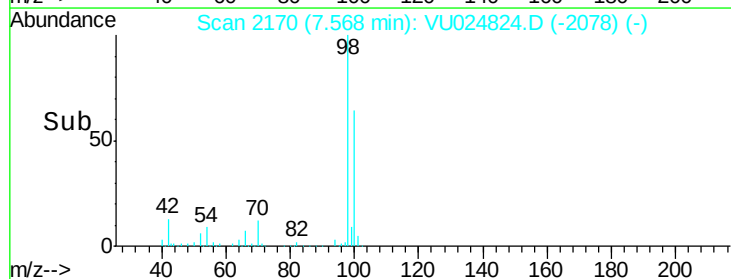
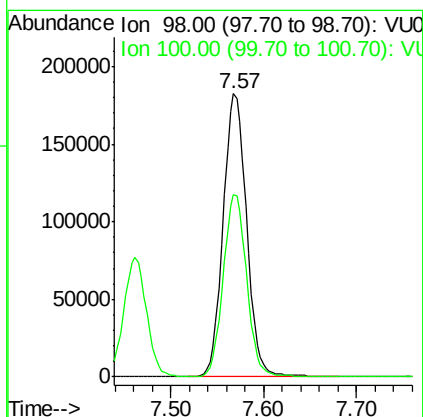
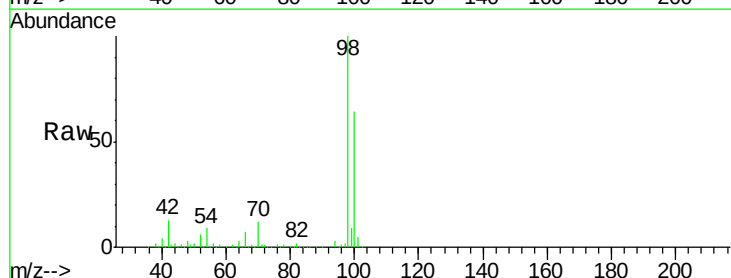
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

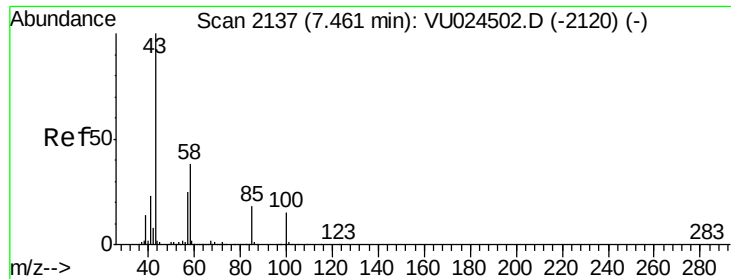
Tot Ion: 88 Resp: 58271
Ion Ratio Lower Upper
88 100
43 32.0 28.6 42.8
58 69.1 58.2 87.4



#50
Toluene-d8
Concen: 45.142 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion: 98 Resp: 321720
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

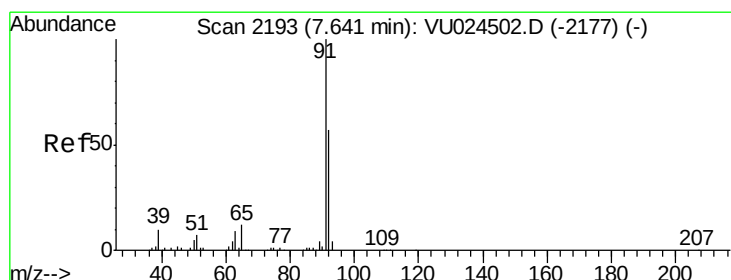
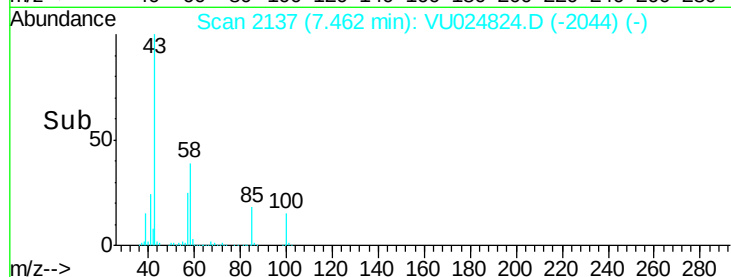
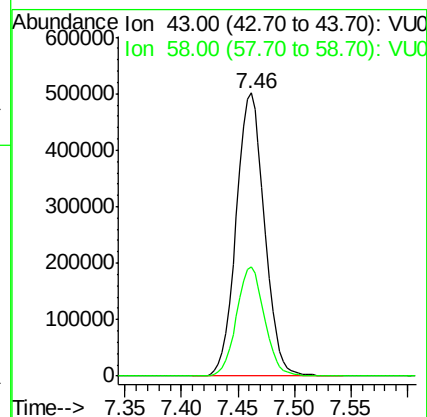
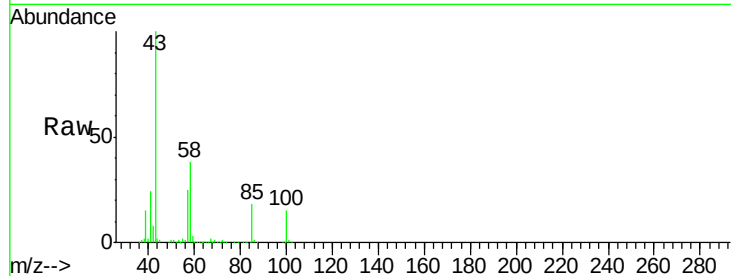




#51
 4-Methyl-2-Pentanone
 Concen: 266.290 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

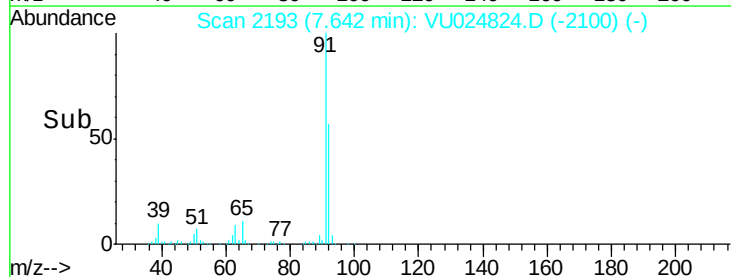
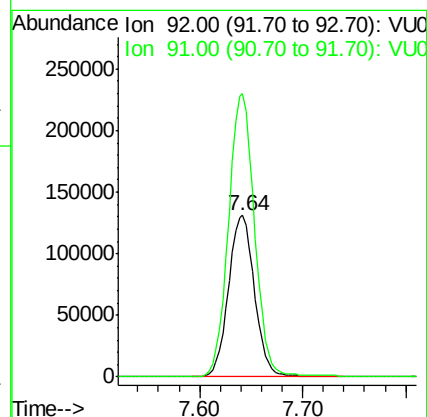
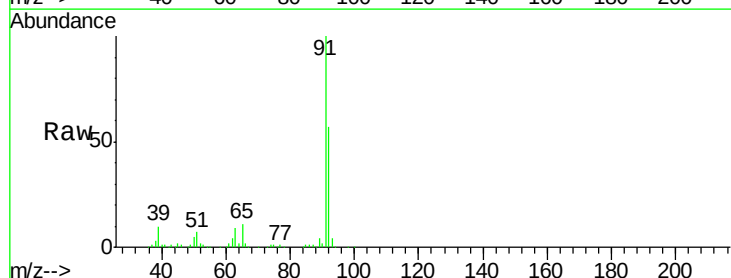
Instrument :
 MSVOA_U
 ClientSampled :
 S39-0183MS

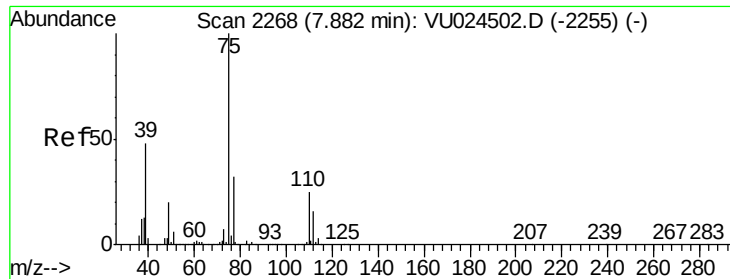
Tot Ion: 43 Resp: 871939
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.0 45.0



#52
 Toluene
 Concen: 45.641 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion: 92 Resp: 231471
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 37.727 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

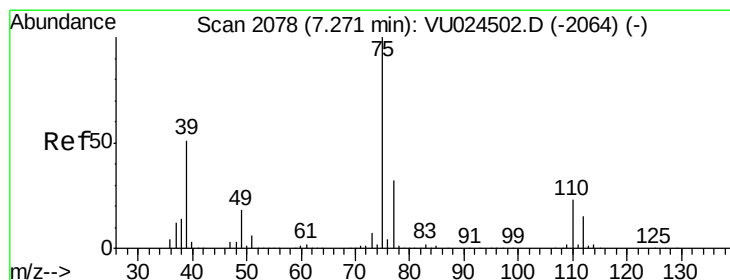
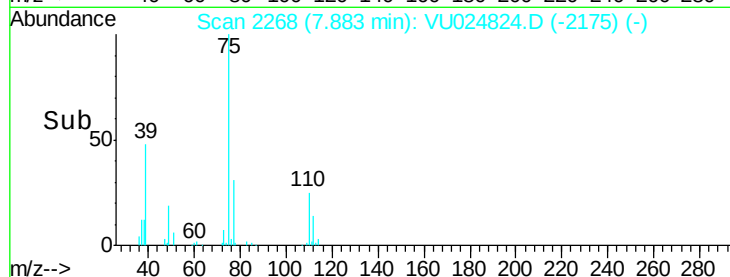
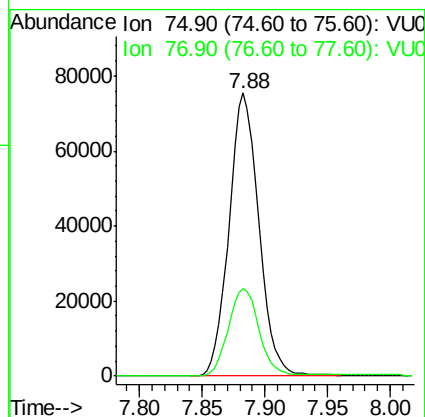
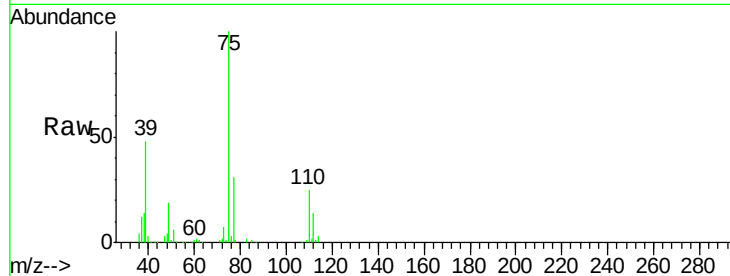
S39-0183MS

Tot Ion: 75 Resp: 124643

Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 37.164 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

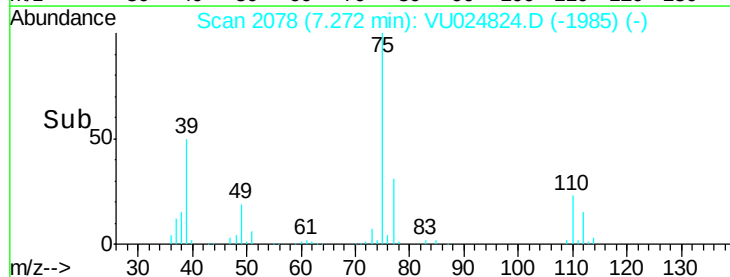
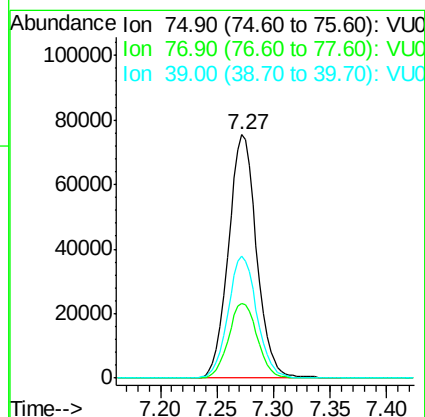
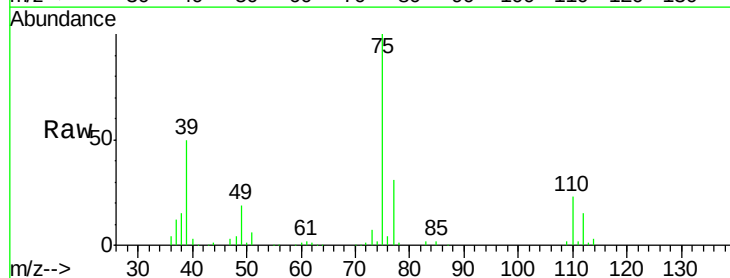
Tgt Ion: 75 Resp: 130832

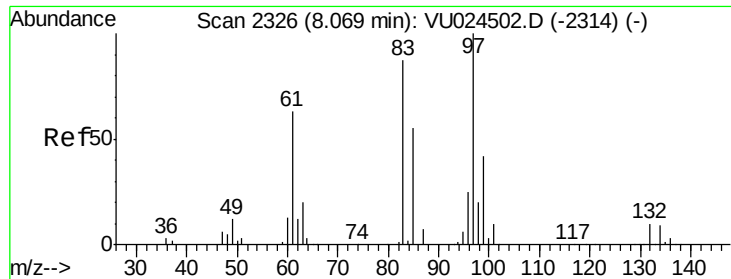
Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

39 50.0 39.8 59.6

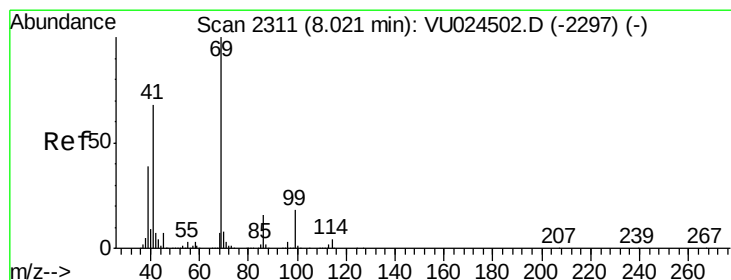
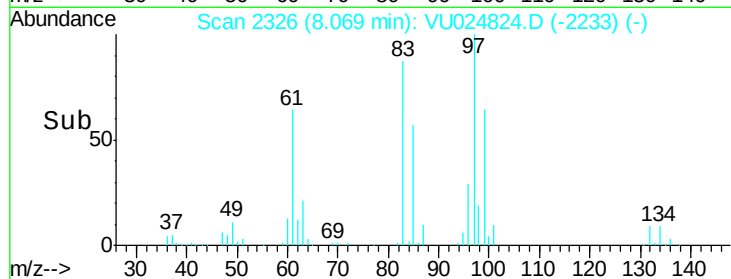
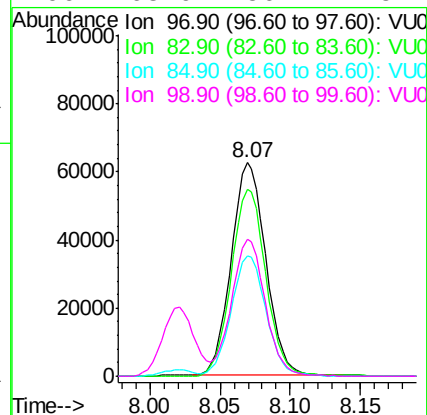
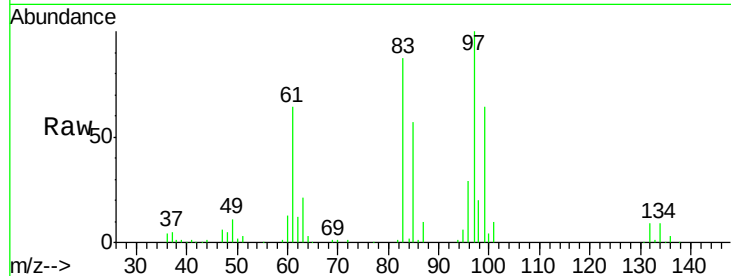




#55
1,1,2-Trichloroethane
Concen: 51.900 ug/l
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

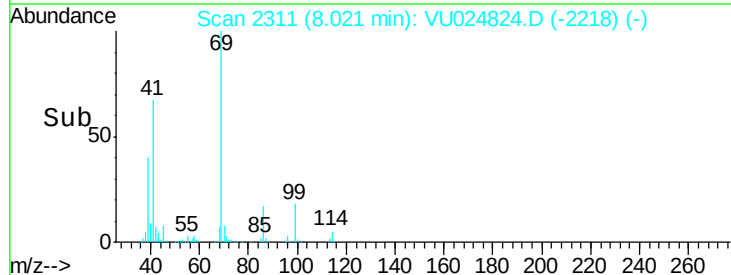
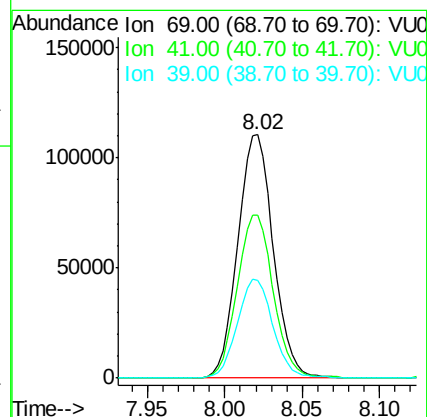
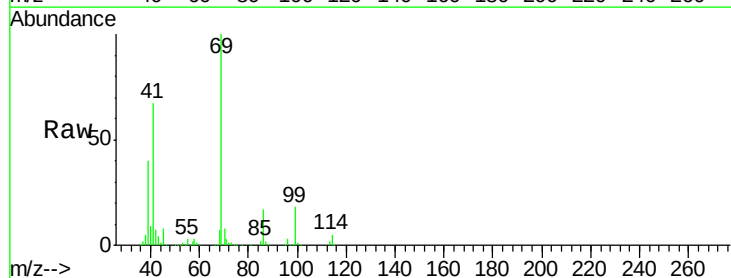
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

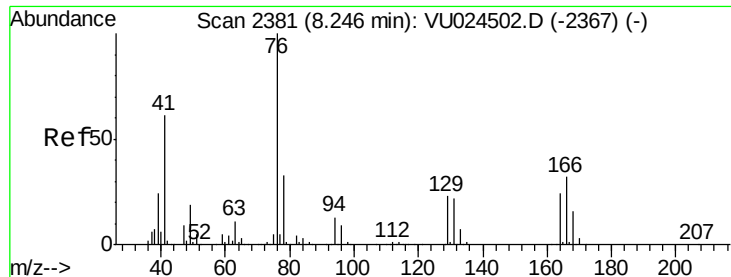
Tot Ion:	97	Resp:	106993
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	56.6	46.4	69.6
99	63.9	50.2	75.2



#56
Ethyl methacrylate
Concen: 51.046 ug/l
RT: 8.02 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion:	69	Resp:	176132
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	40.1	30.3	45.5

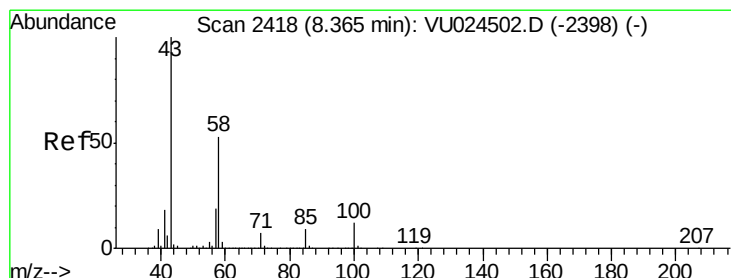
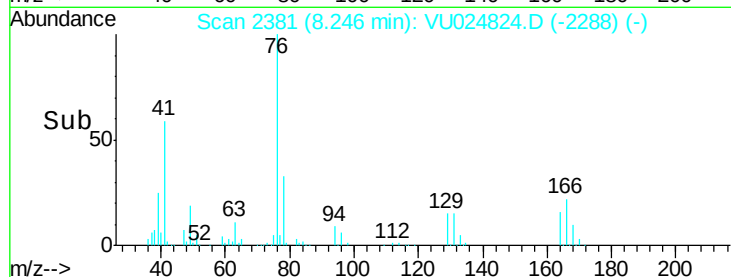
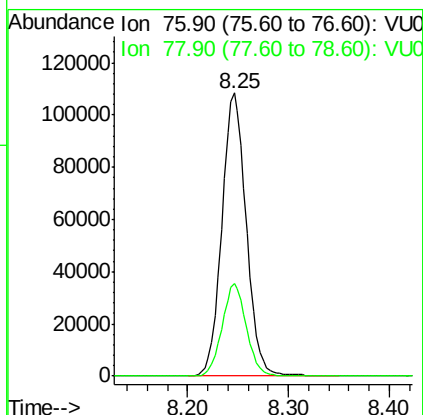
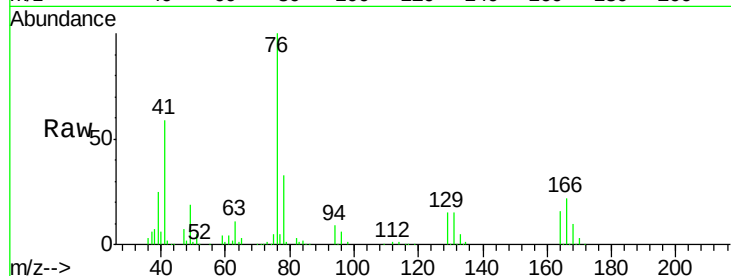




#57
 1,3-Dichloropropane
 Concen: 52.733 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

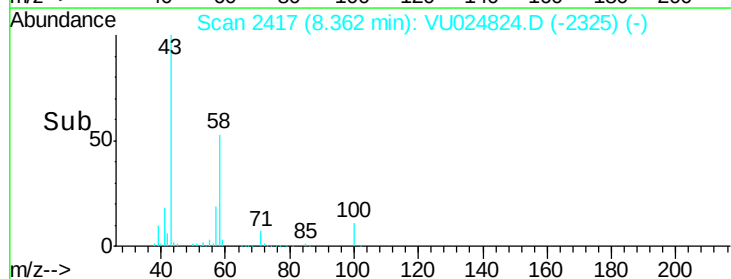
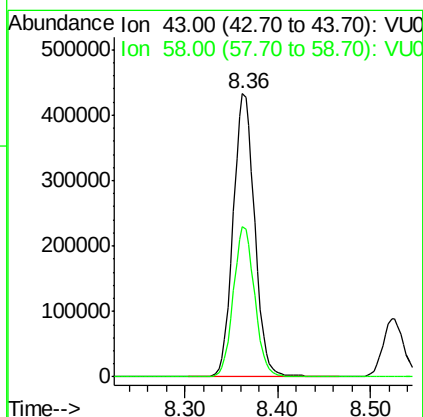
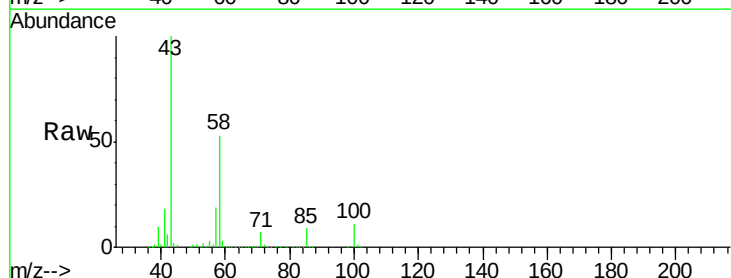
Instrument :
 MSVOA_U
 ClientSampleId :
 S39-0183MS

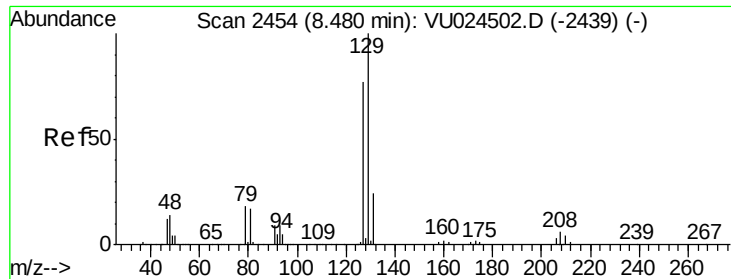
Tot Ion: 76 Resp: 183385
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#59
 2-Hexanone
 Concen: 260.077 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion: 43 Resp: 695245
 Ion Ratio Lower Upper
 43 100
 58 52.4 26.4 79.0





#60

Dibromochloromethane

Concen: 49.715 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

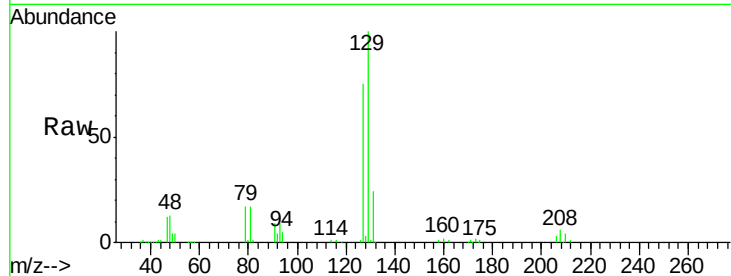
S39-0183MS

Tot Ion:129 Resp: 127803

Ion Ratio Lower Upper

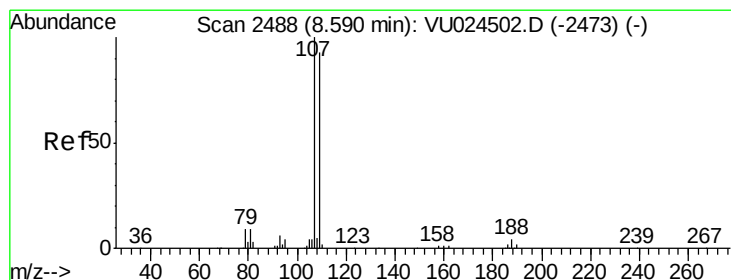
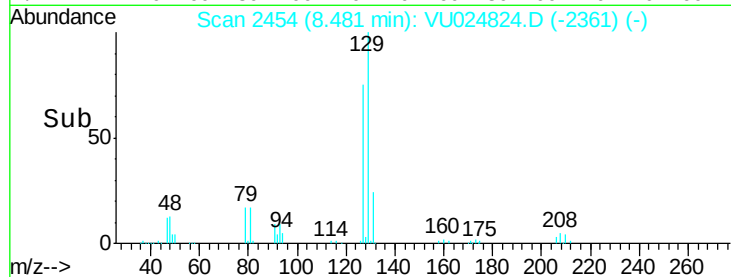
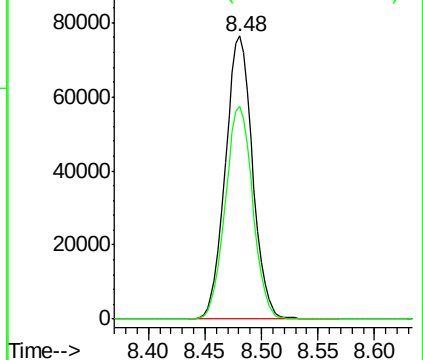
129 100

127 75.8 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.060 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024824.D

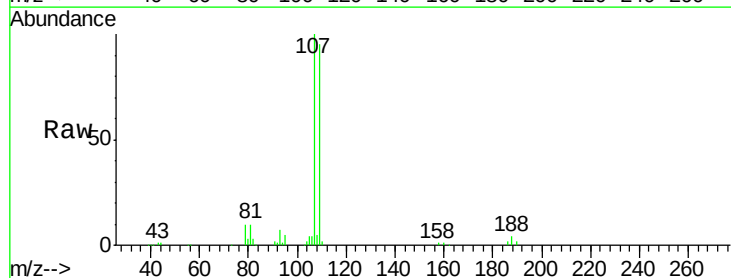
Acq: 21 Jun 2018 20:33

Tgt Ion:107 Resp: 117159

Ion Ratio Lower Upper

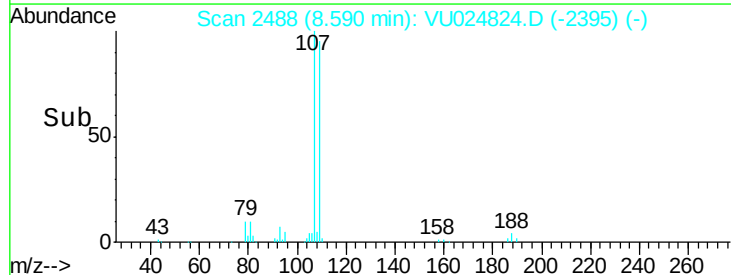
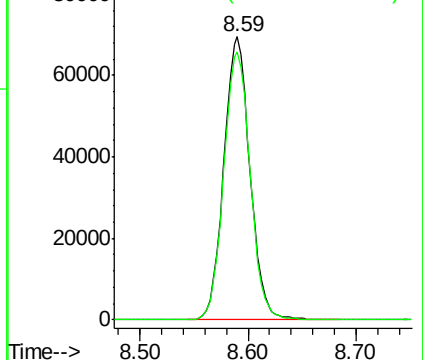
107 100

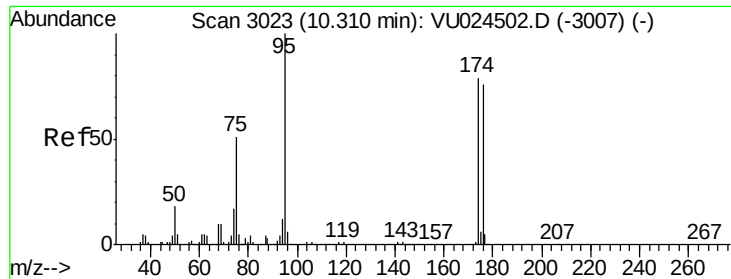
109 96.0 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

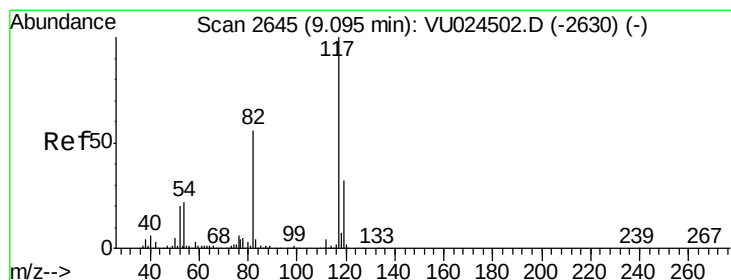
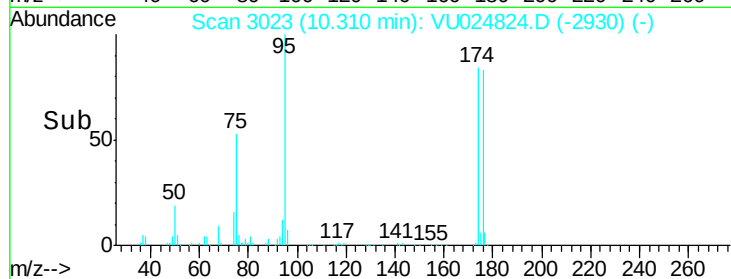
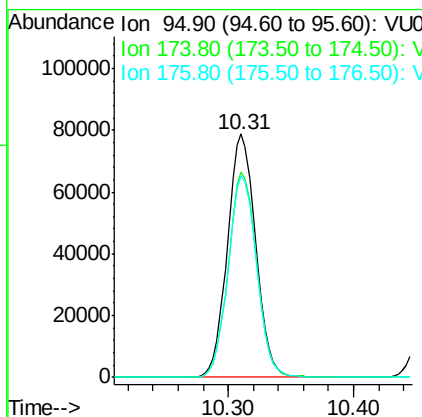
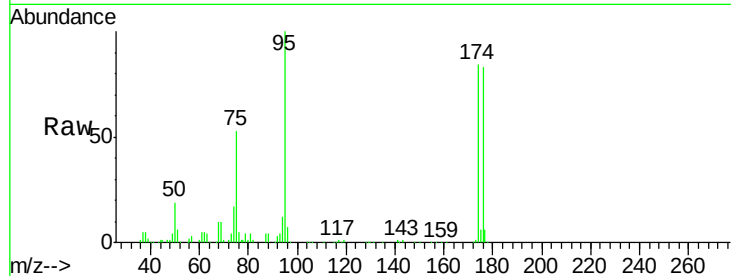




#62
4-Bromofluorobenzene
Concen: 43.520 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

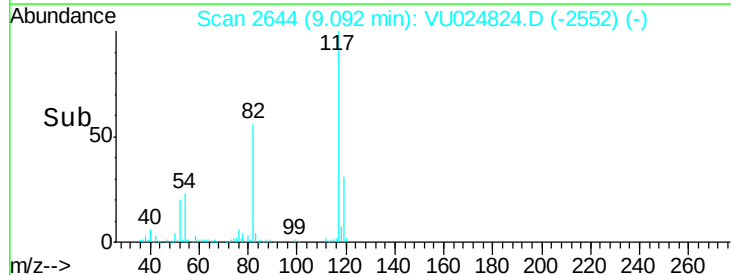
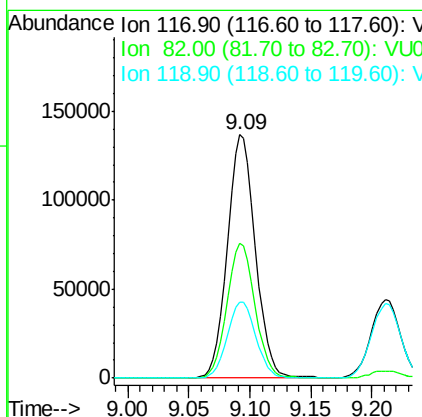
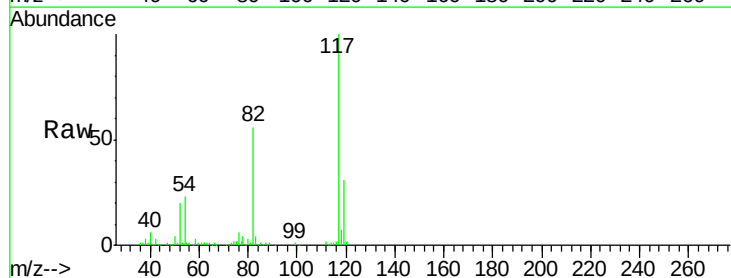
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

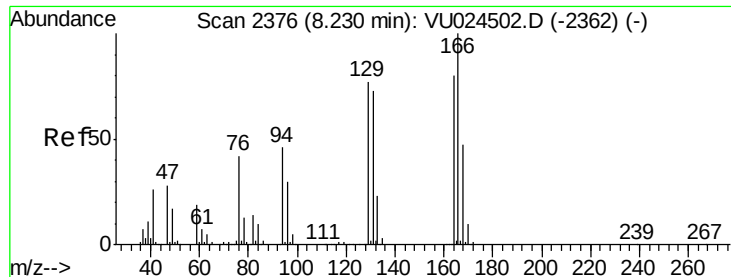
Tot Ion	95	Resp	123147
Ion Ratio	100		
Lower			
Upper			
95	100		
174	84.6	0.0	165.8
176	83.8	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion	117	Resp	220077
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
117	100		
82	55.5	44.3	66.5
119	31.4	25.4	38.2

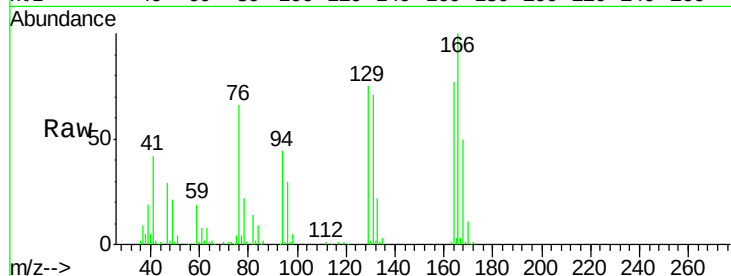




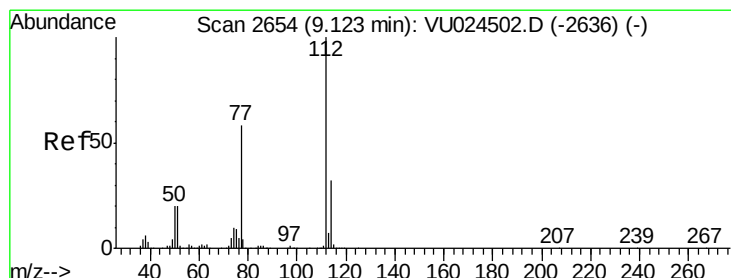
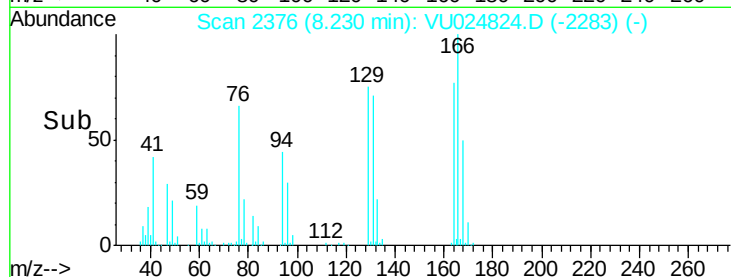
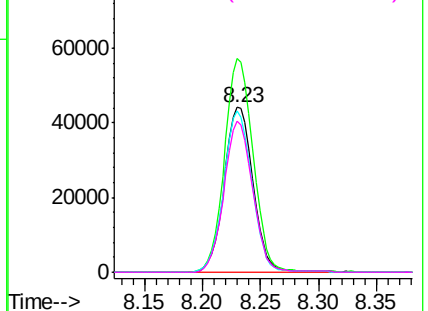
#64
Tetrachloroethene
Concen: 36.409 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

Tot Ion:164 Resp: 76164
Ion Ratio Lower Upper
164 100
166 129.4 101.7 152.5
129 97.4 76.9 115.3
131 91.6 74.9 112.3

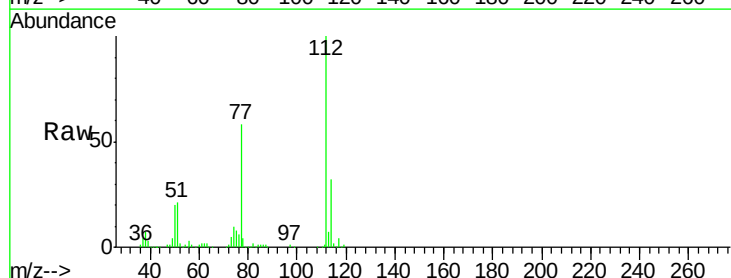


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

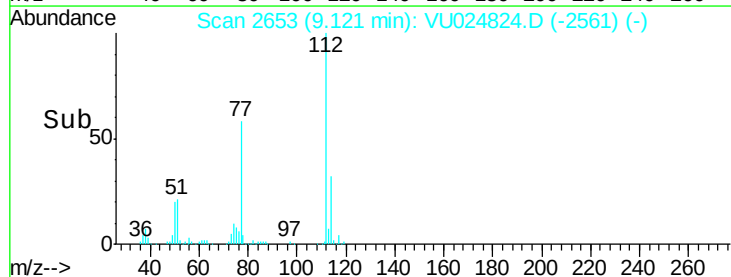
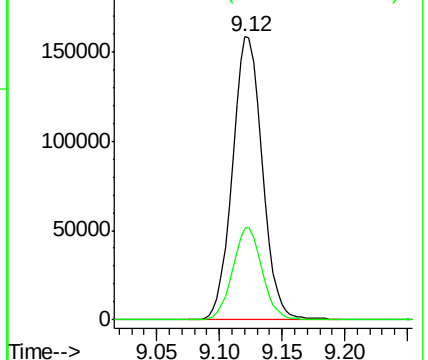


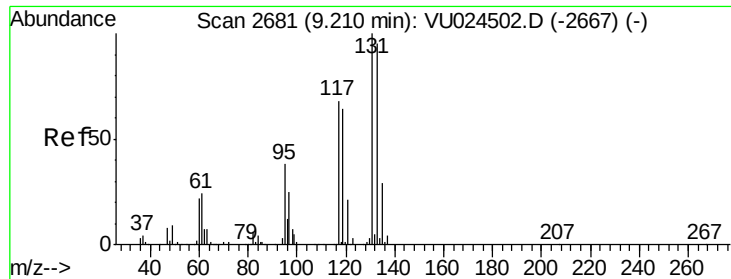
#65
Chlorobenzene
Concen: 46.745 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion:112 Resp: 262806
Ion Ratio Lower Upper
112 100
114 32.5 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: 49.425 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

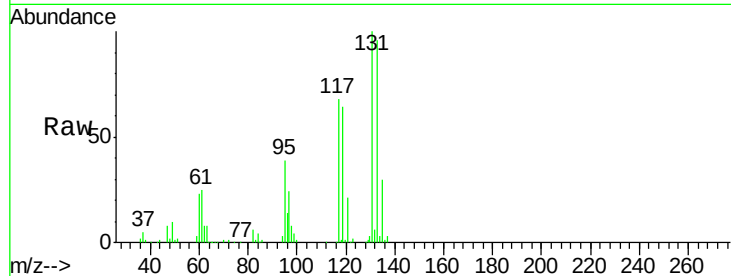
Tot Ion:131 Resp: 105570

Ion Ratio Lower Upper

131 100

133 98.3 46.9 140.8

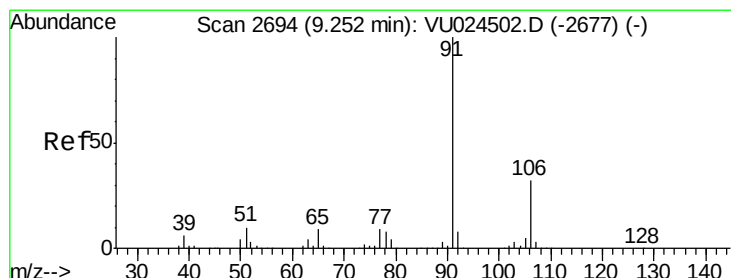
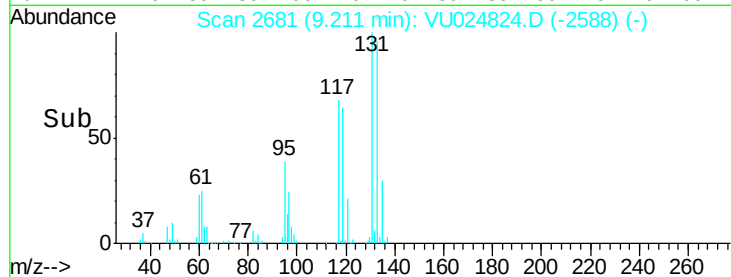
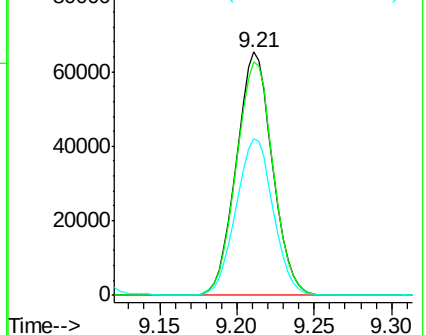
119 66.6 33.5 100.4



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: 43.361 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024824.D

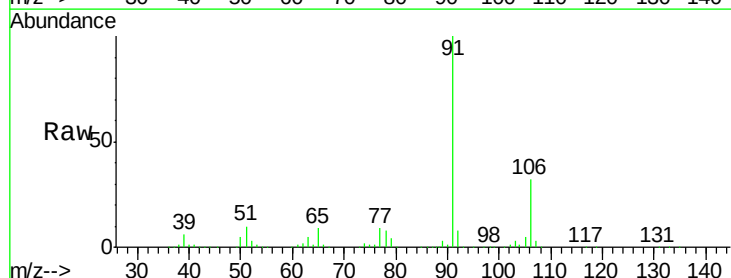
Acq: 21 Jun 2018 20:33

Tgt Ion: 91 Resp: 427368

Ion Ratio Lower Upper

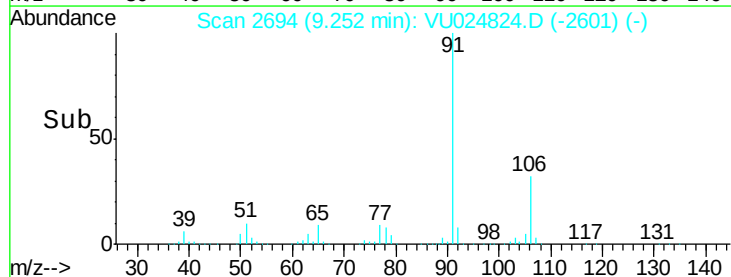
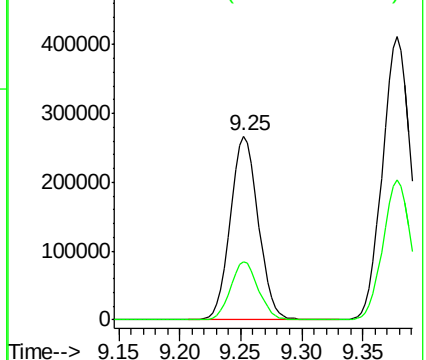
91 100

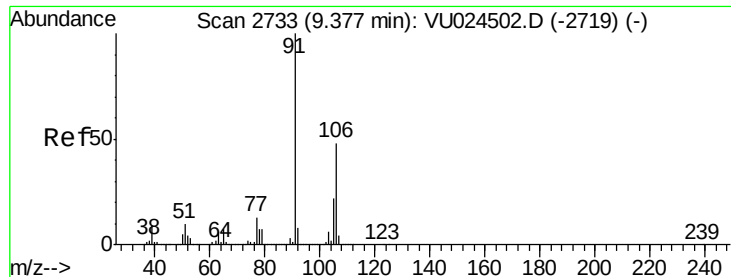
106 31.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

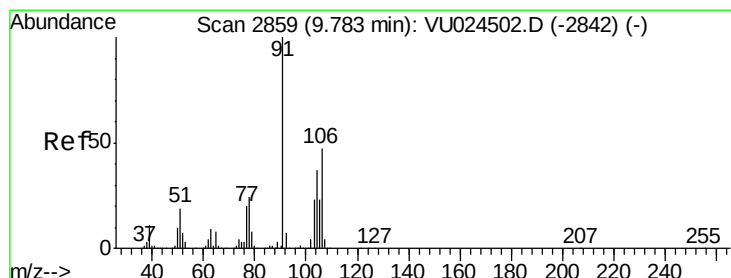
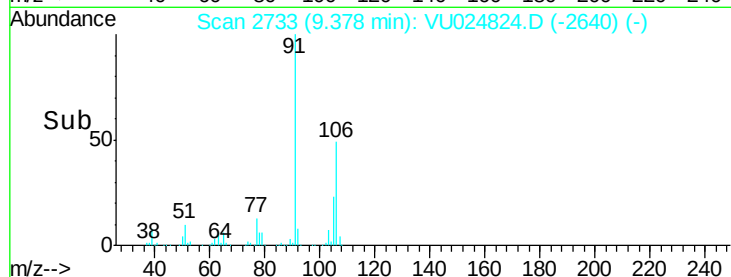
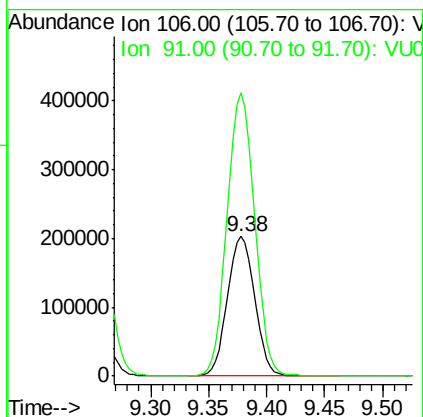
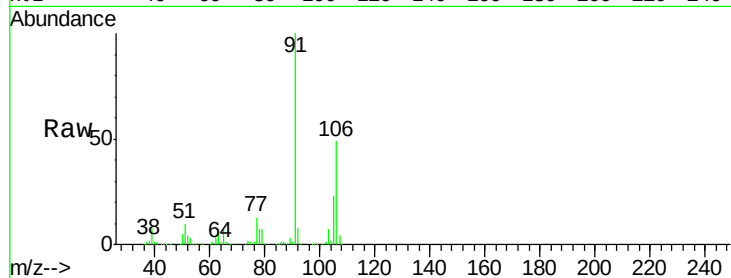




#68
m/p-Xylenes
Concen: 86.926 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

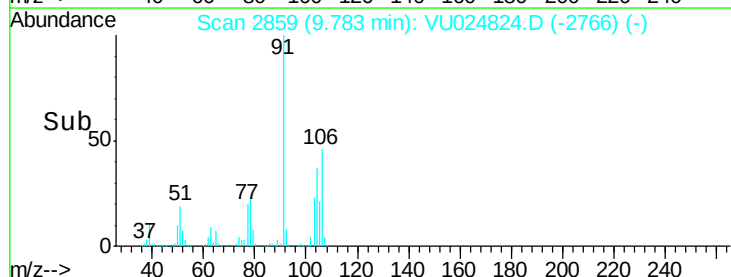
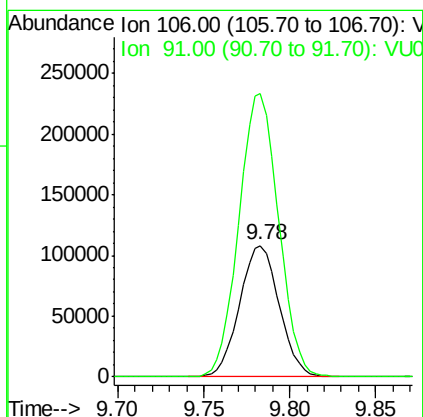
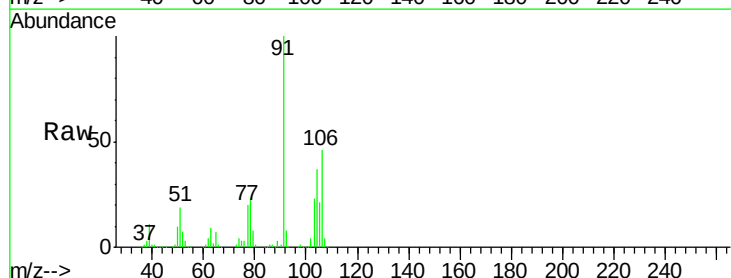
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

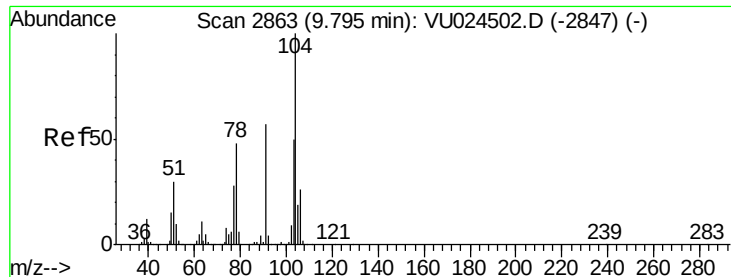
Tot Ion:106 Resp: 328993
Ion Ratio Lower Upper
106 100
91 205.4 166.5 249.7



#69
o-Xylene
Concen: 46.091 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion:106 Resp: 172640
Ion Ratio Lower Upper
106 100
91 216.5 110.7 331.9

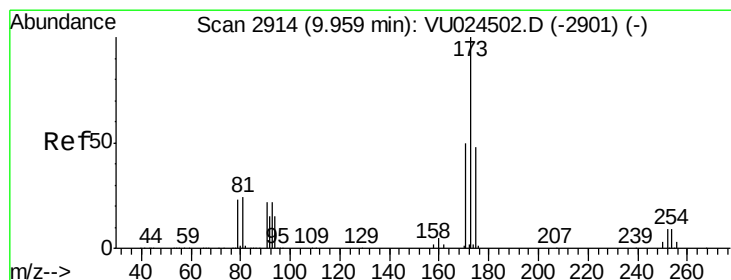
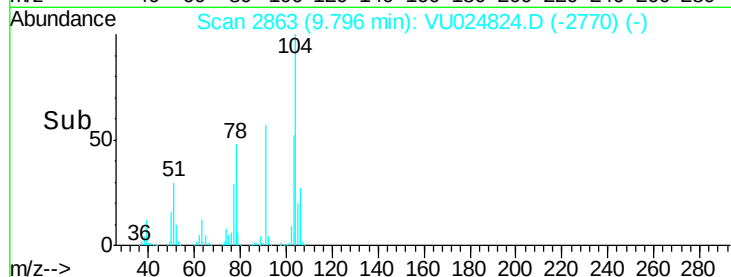
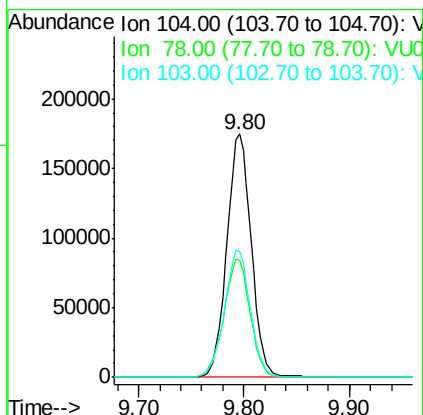
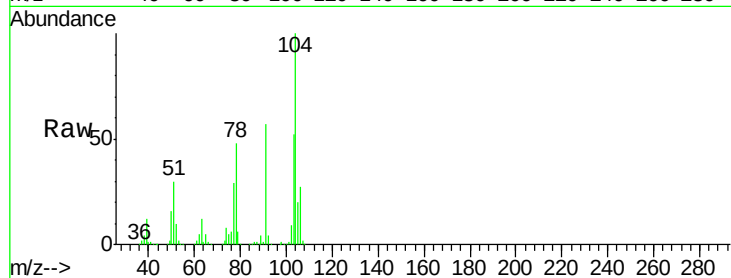




#70
Stvrene
Concen: 45.389 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

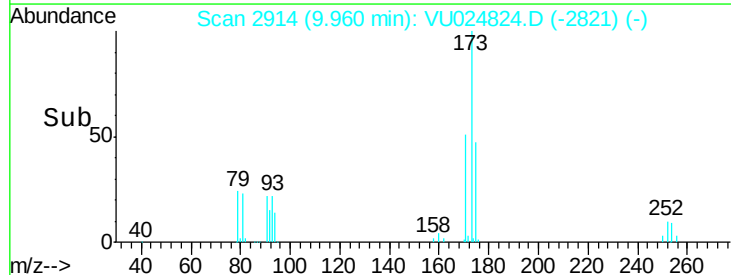
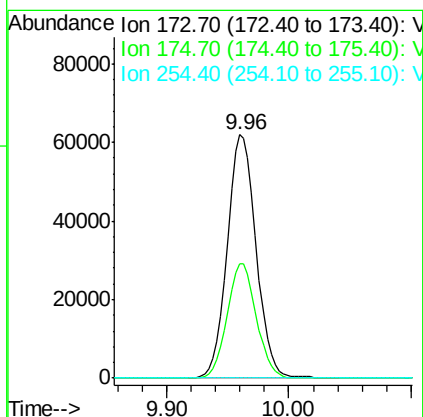
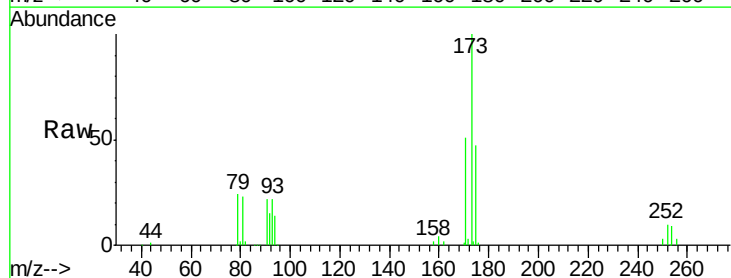
Instrument :
MSVOA_U
ClientSampleId :
S39-0183MS

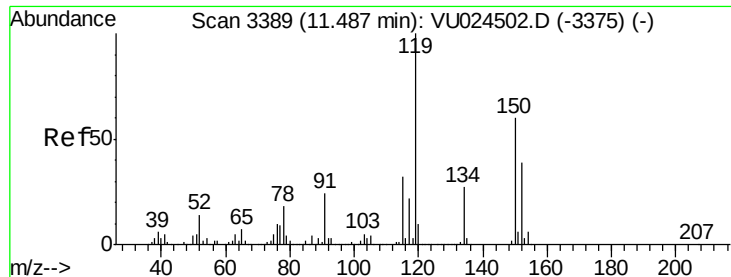
Tot Ion:104 Resp: 279383
Ion Ratio Lower Upper
104 100
78 52.3 40.6 60.8
103 55.4 44.7 67.1



#71
Bromoform
Concen: 50.408 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU024824.D
Acq: 21 Jun 2018 20:33

Tgt Ion:173 Resp: 102340
Ion Ratio Lower Upper
173 100
175 47.6 24.6 74.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

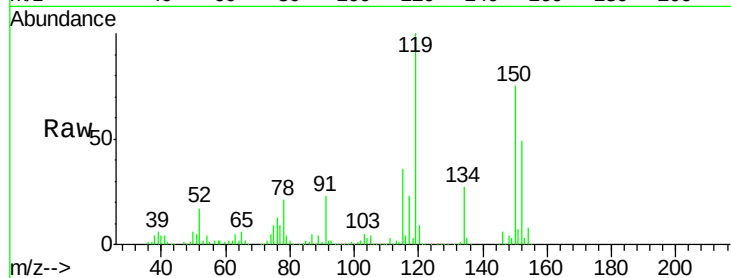
Tot Ion:152 Resp: 122768

Ion Ratio Lower Upper

152 100

115 79.9 43.0 129.0

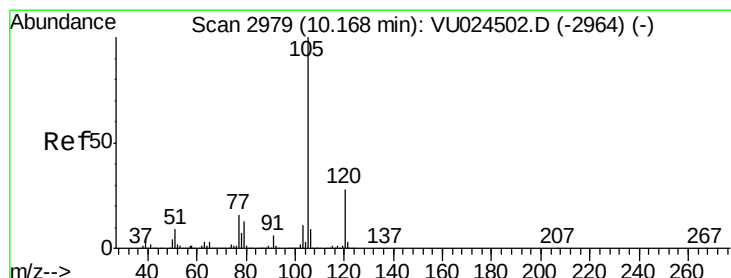
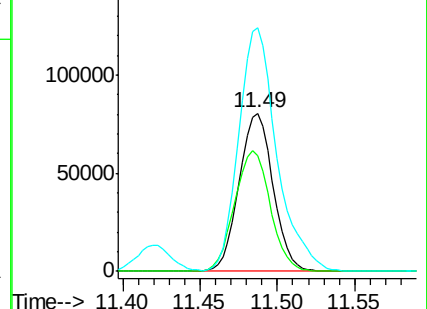
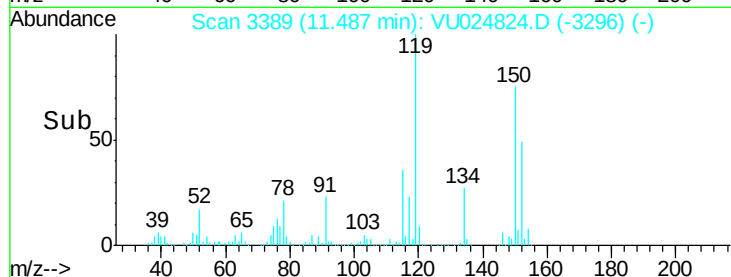
150 173.0 0.0 354.0



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: 44.351 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024824.D

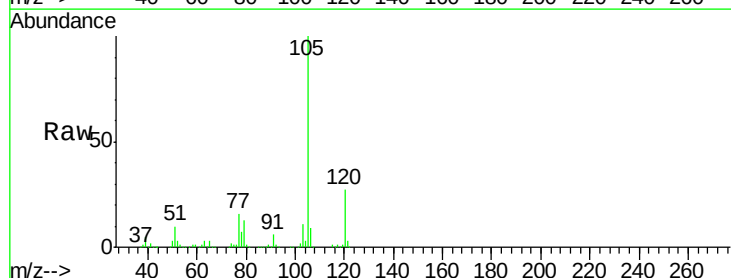
Acq: 21 Jun 2018 20:33

Tgt Ion:105 Resp: 418038

Ion Ratio Lower Upper

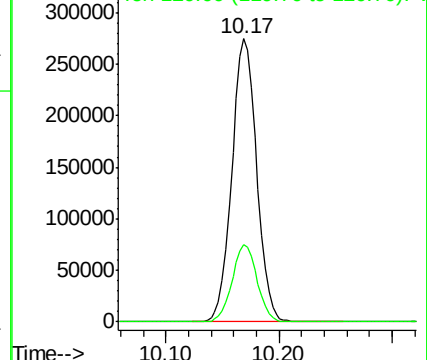
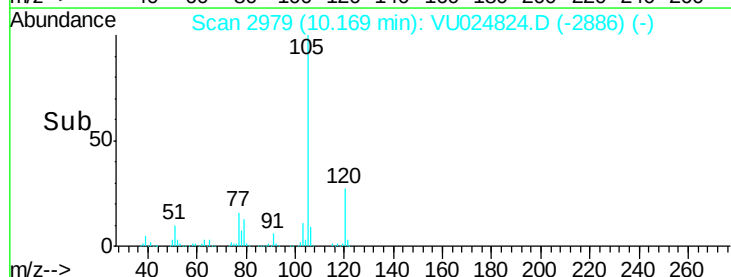
105 100

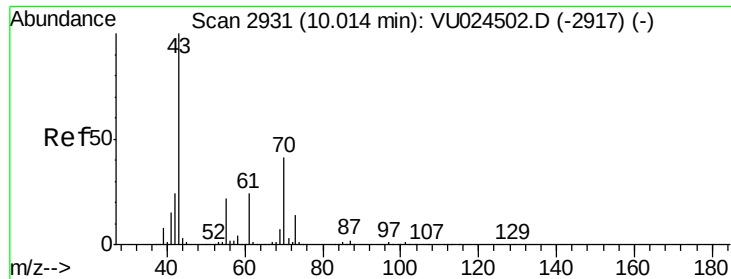
120 27.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 31.092 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampled :

S39-0183MS

Tot Ion: 43 Resp: 139395

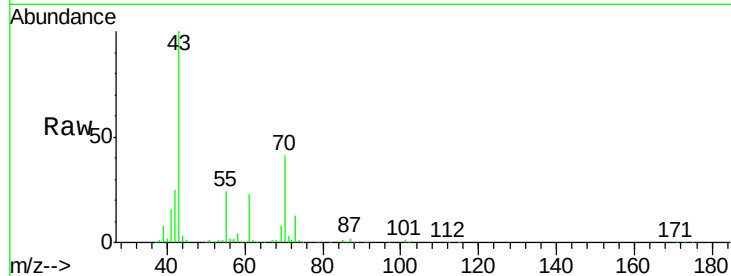
Ion Ratio Lower Upper

43 100

70 41.0 32.2 48.4

55 23.1 20.5 30.7

61 23.2 18.7 28.1

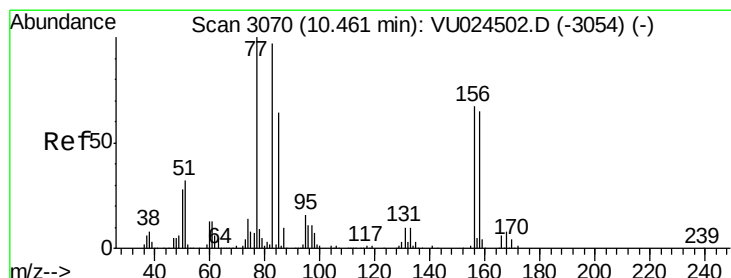
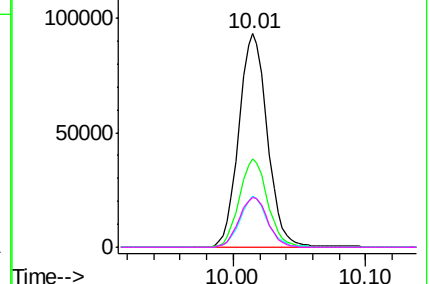
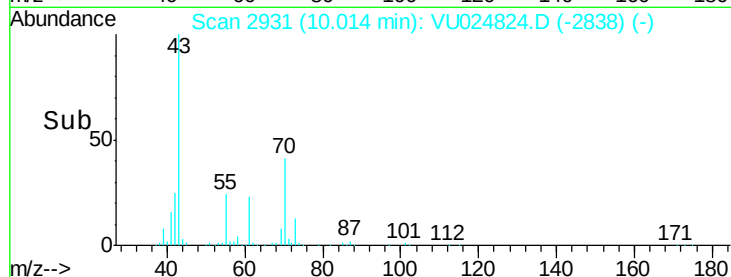


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 59.075 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

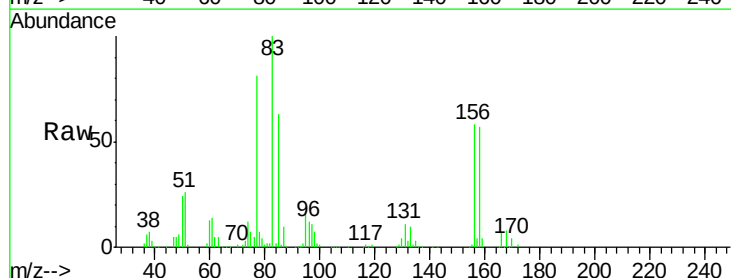
Tgt Ion: 83 Resp: 186592

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

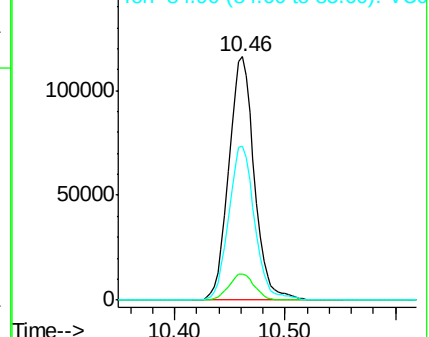
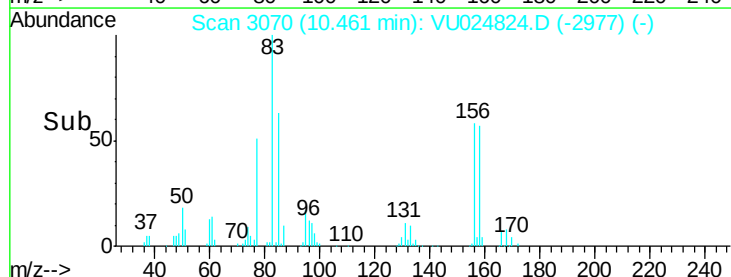
85 64.5 32.5 97.5

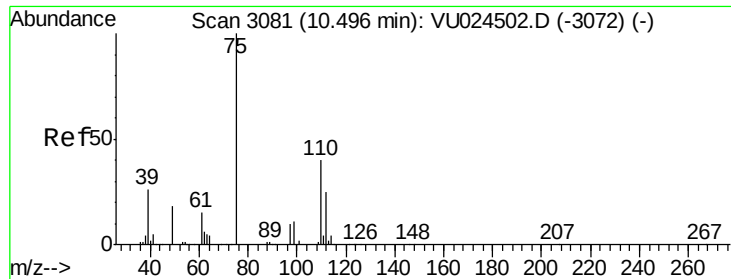


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





#76

1,2,3-Trichloropropane

Concen: 68.992 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

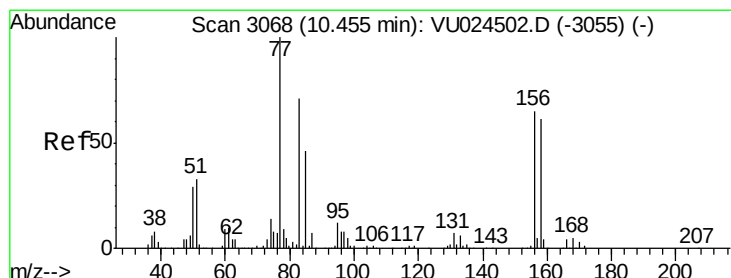
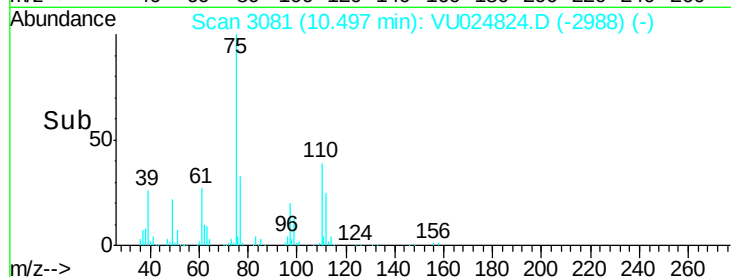
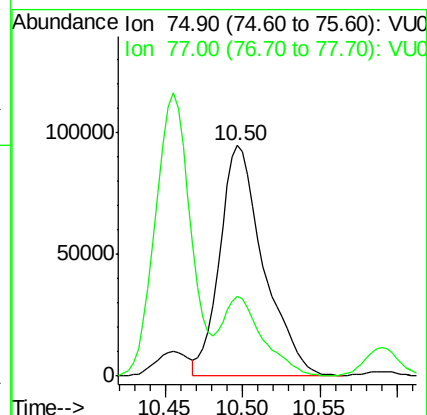
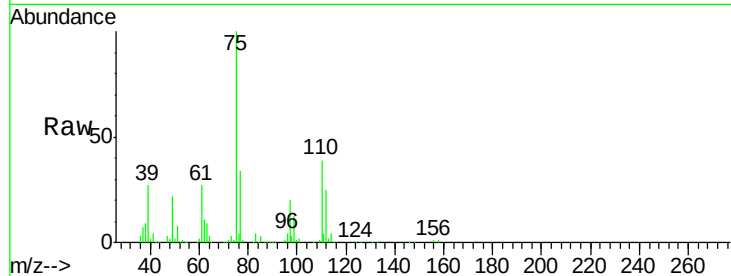
S39-0183MS

Tot Ion: 75 Resp: 186479

Ion Ratio Lower Upper

75 100

77 31.9 20.9 62.7



#77

Bromobenzene

Concen: 51.985 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

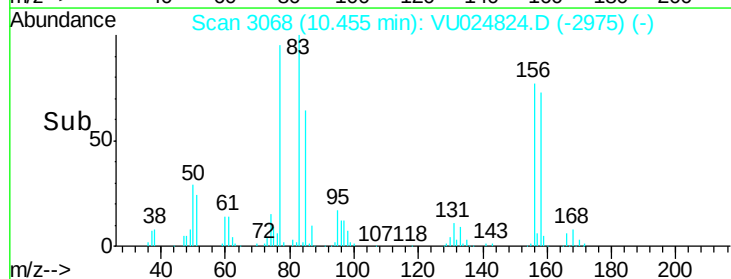
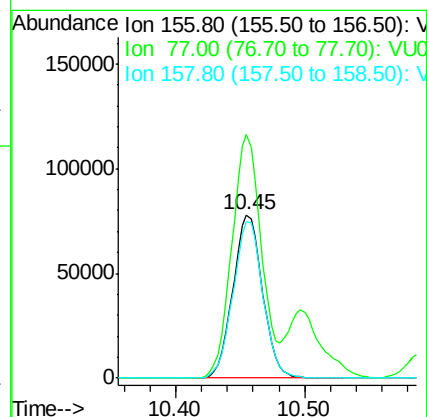
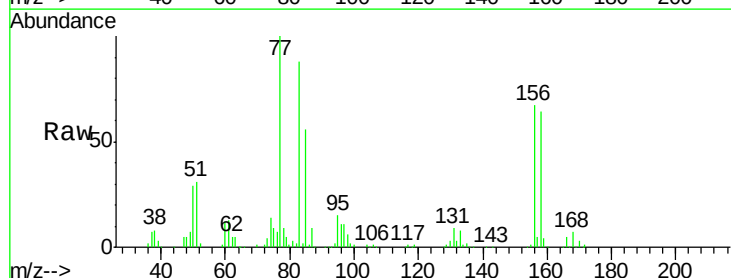
Tgt Ion: 156 Resp: 124048

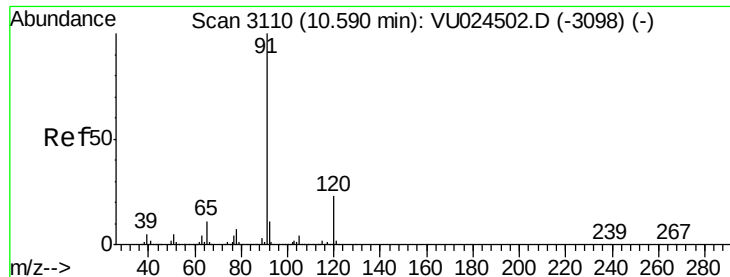
Ion Ratio Lower Upper

156 100

77 149.2 80.5 241.3

158 96.7 48.2 144.6





#78

n-propylbenzene

Concen: 40.710 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

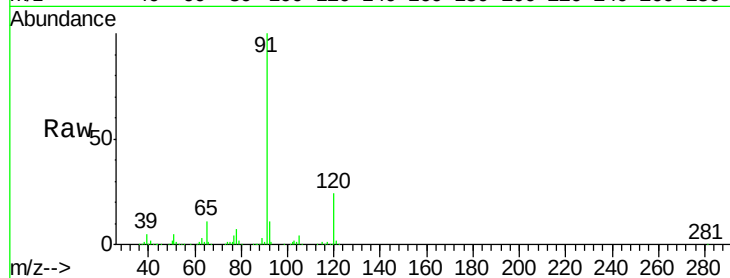
S39-0183MS

Tot Ion: 91 Resp: 452010

Ion Ratio Lower Upper

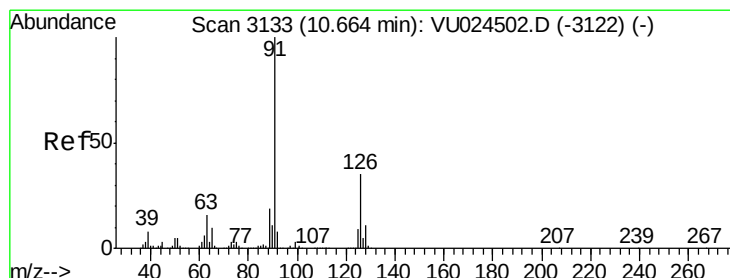
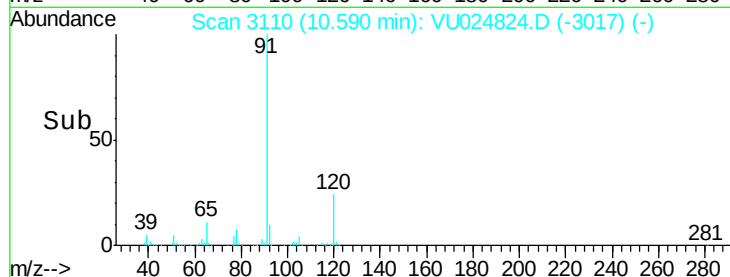
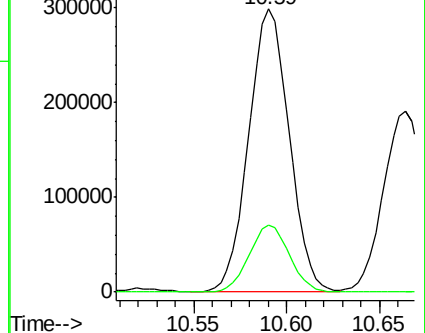
91 100

120 23.5 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: 46.242 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024824.D

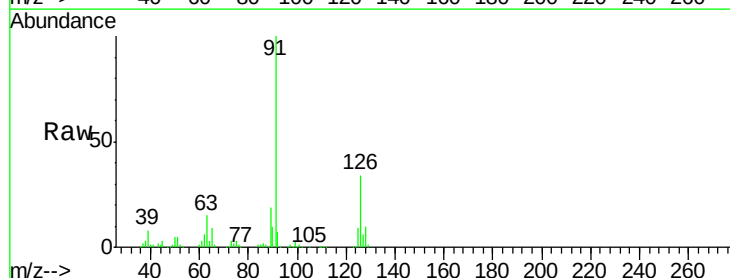
Acq: 21 Jun 2018 20:33

Tgt Ion: 91 Resp: 302782

Ion Ratio Lower Upper

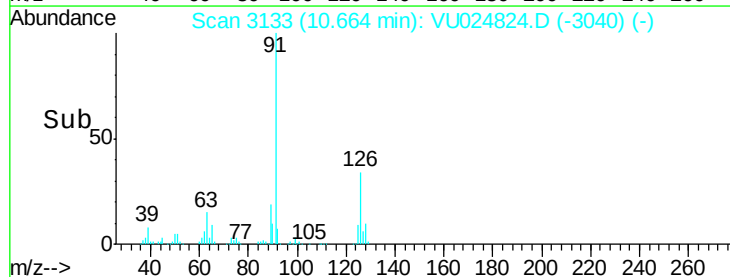
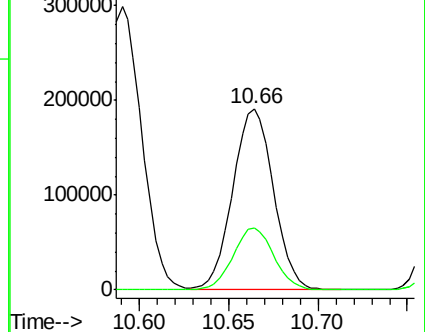
91 100

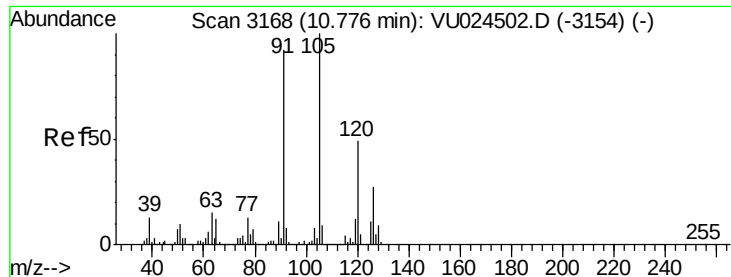
126 34.3 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 44.421 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

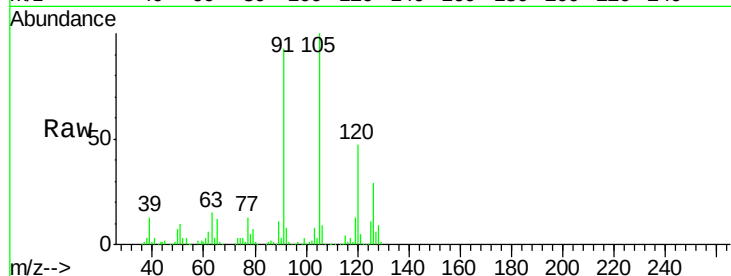
S39-0183MS

Tot Ion:105 Resp: 362900

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

250000

200000

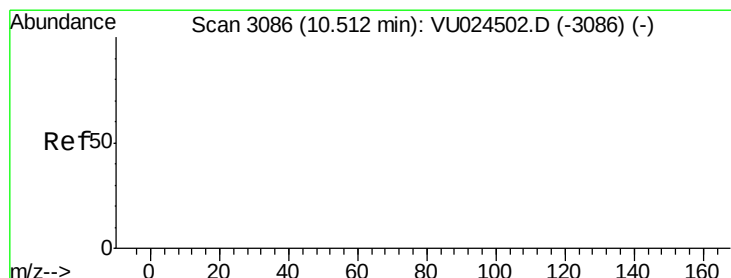
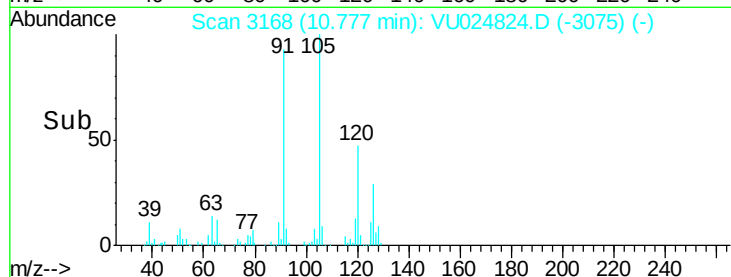
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 159.676 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

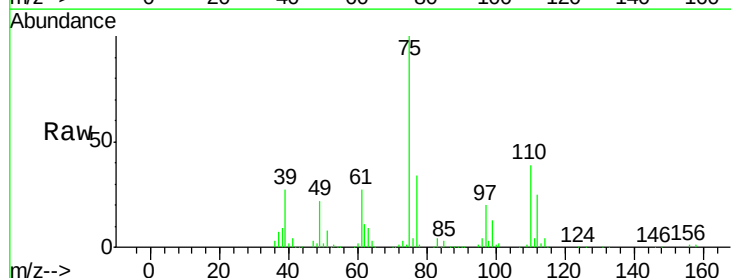
Tgt Ion: 75 Resp: 186479

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.50

120000

100000

80000

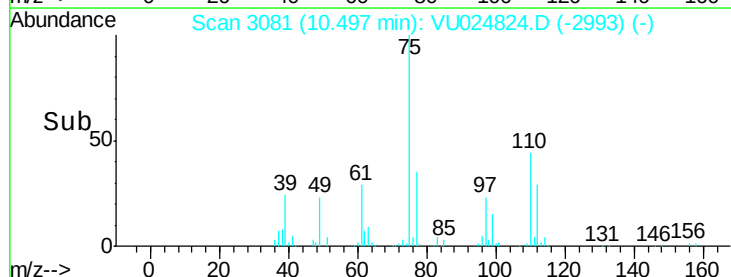
60000

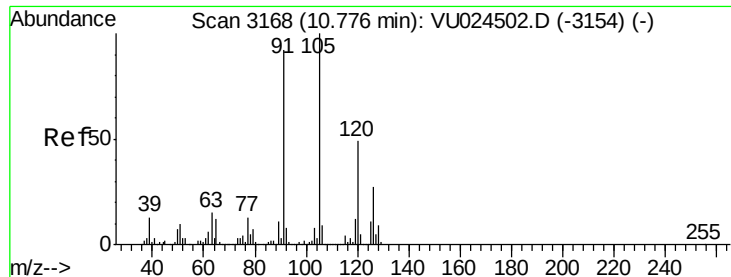
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 44.809 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

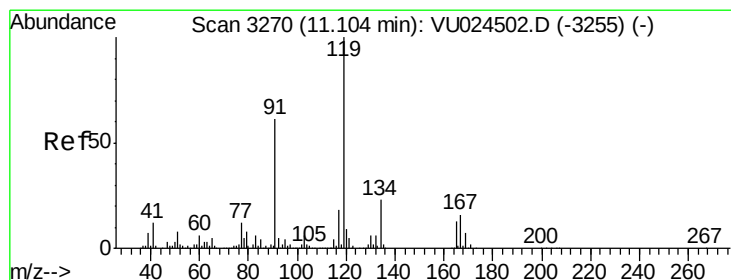
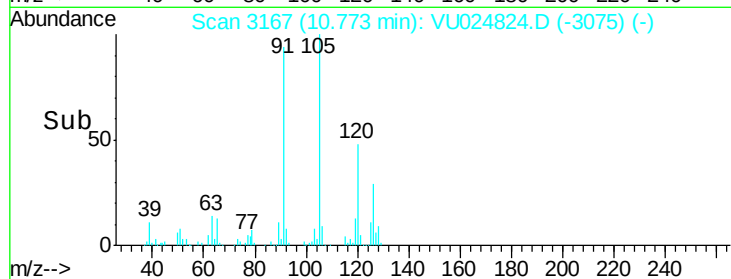
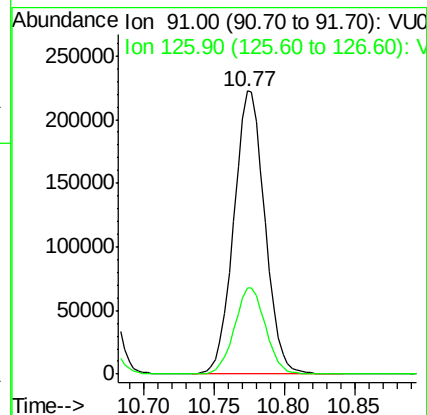
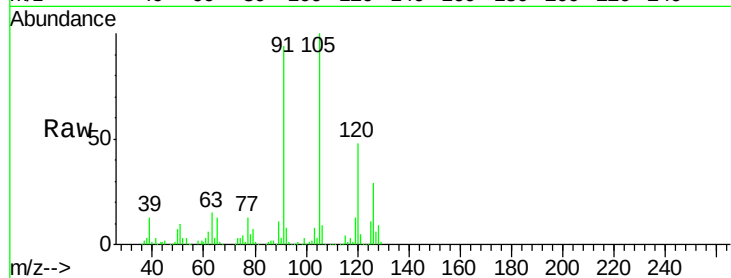
S39-0183MS

Tot Ion: 91 Resp: 341488

Ion Ratio Lower Upper

91 100

126 30.3 14.9 44.9



#83

tert-Butylbenzene

Concen: 46.328 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

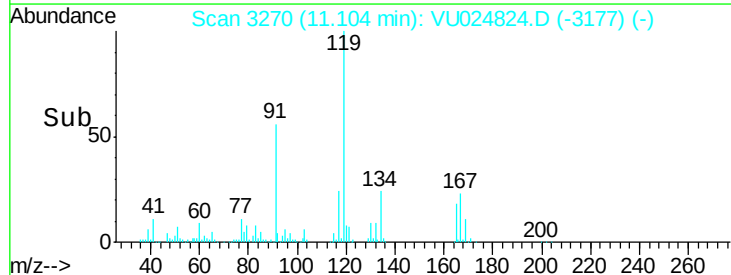
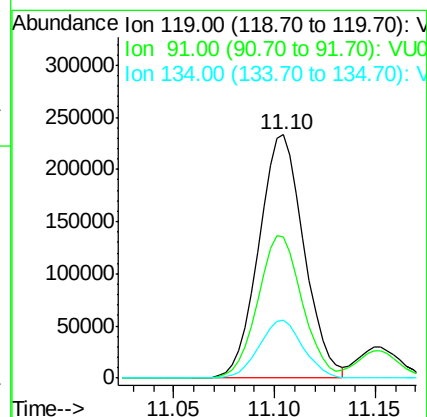
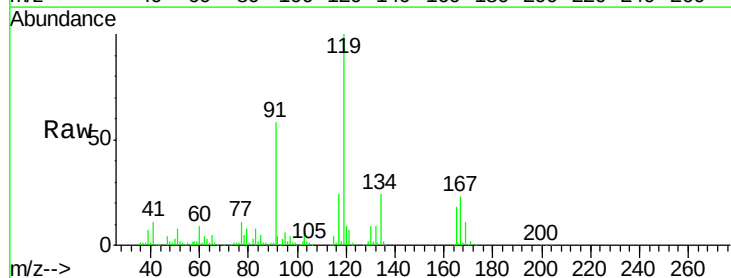
Tgt Ion: 119 Resp: 364075

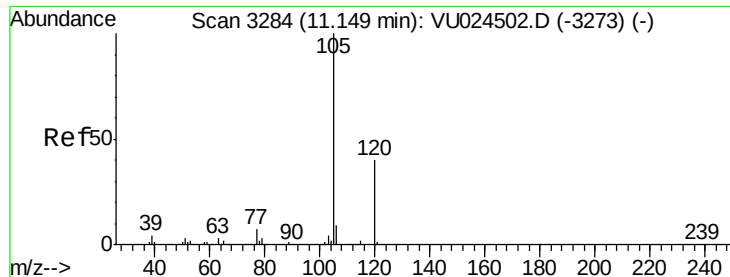
Ion Ratio Lower Upper

119 100

91 57.8 29.7 89.1

134 23.2 11.6 34.7

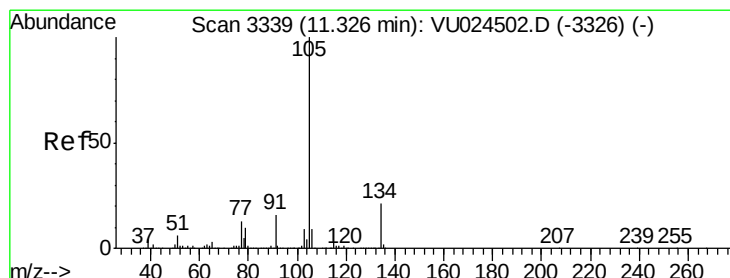
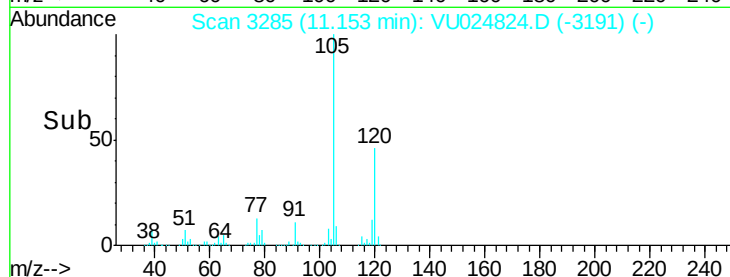
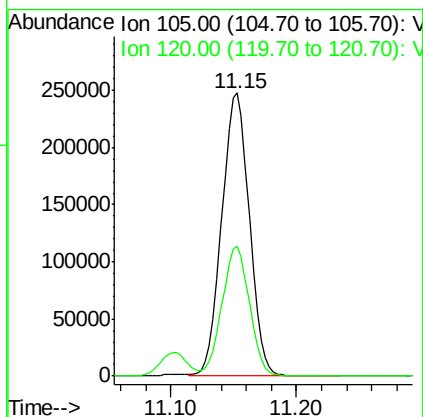
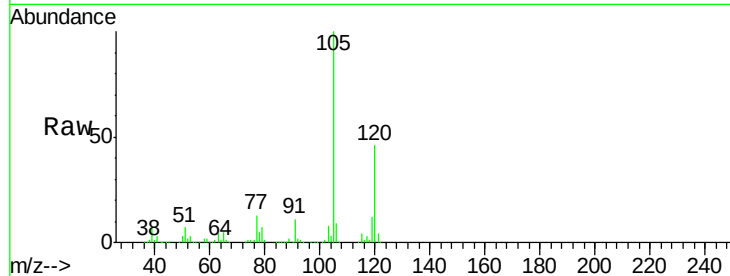




#84
 1,2,4-Trimethylbenzene
 Concen: 45.408 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

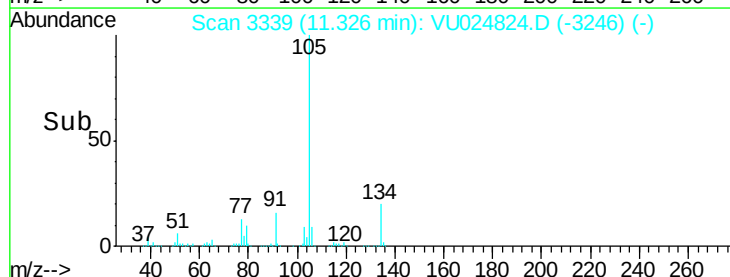
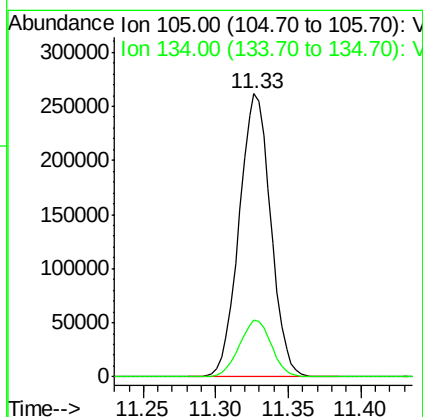
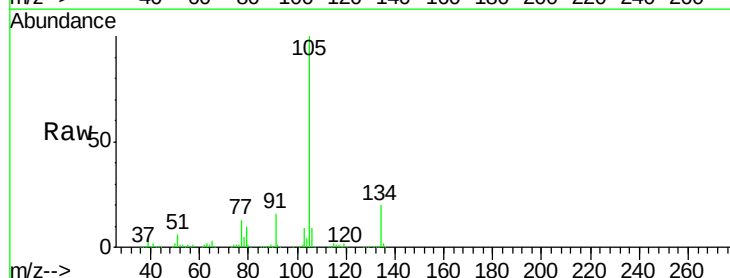
Instrument :
 MSVOA_U
 ClientSampled :
 S39-0183MS

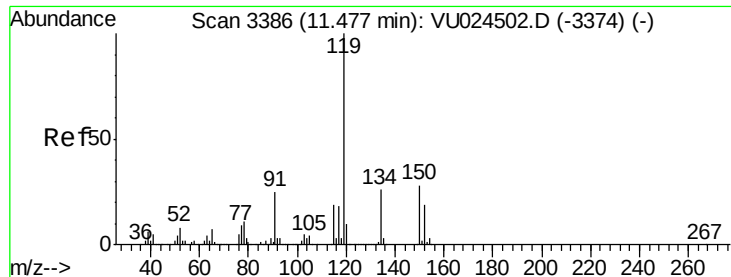
Tot Ion:105 Resp: 378047
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 40.200 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024824.D
 Acq: 21 Jun 2018 20:33

Tgt Ion:105 Resp: 395442
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.7 29.1





#86

p-Isopropyltoluene

Concen: 39.926 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

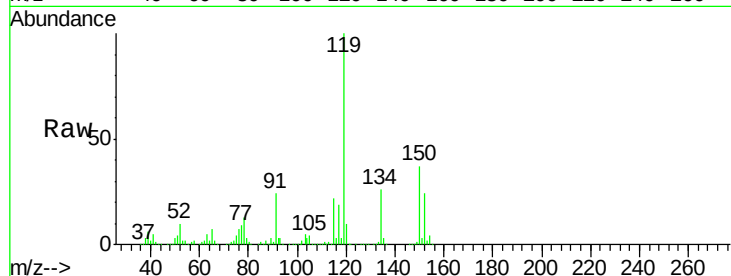
Tot Ion:119 Resp: 351751

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

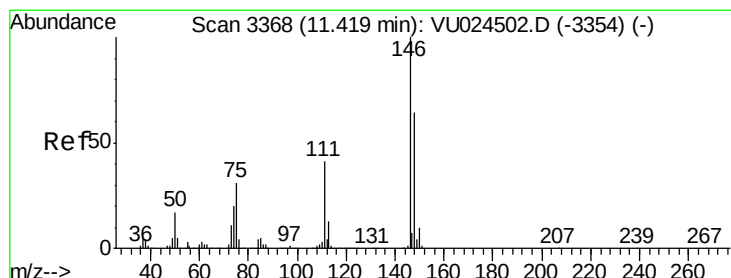
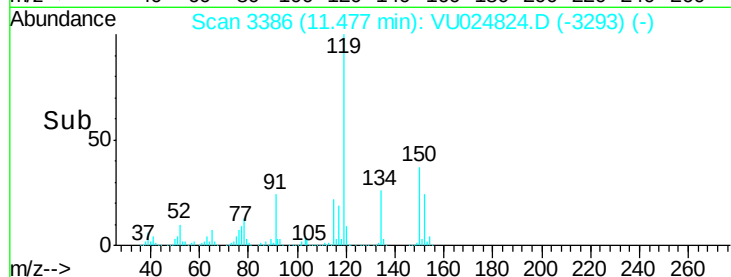
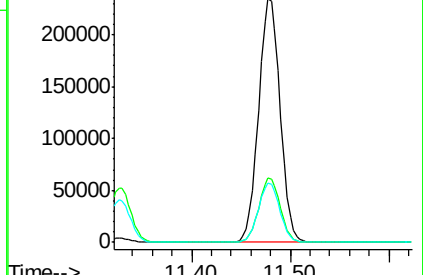
91 24.2 12.0 36.1



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): V



#87

1,3-Dichlorobenzene

Concen: 46.511 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

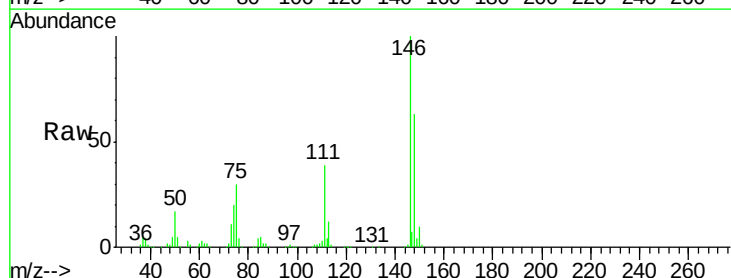
Tgt Ion:146 Resp: 205046

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

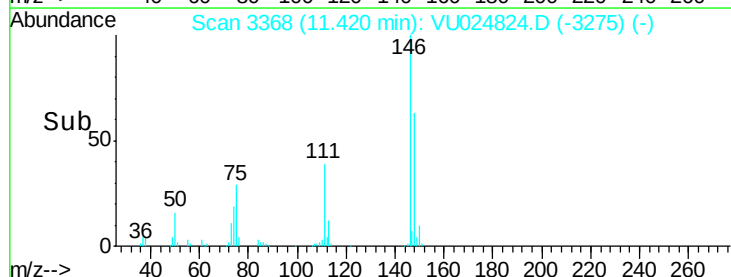
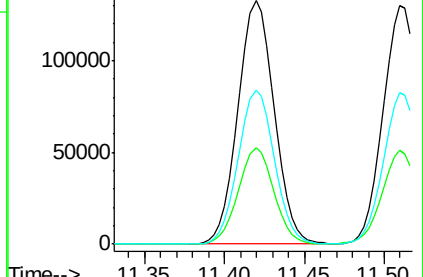
148 63.2 32.1 96.5

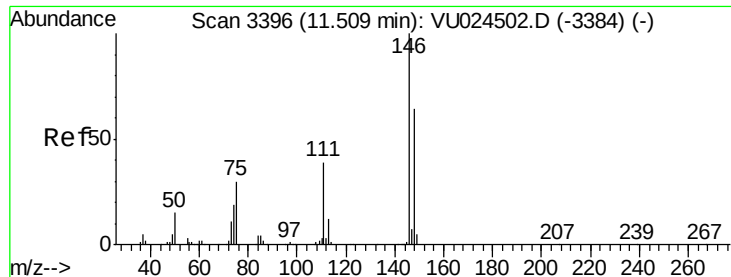


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 46.078 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

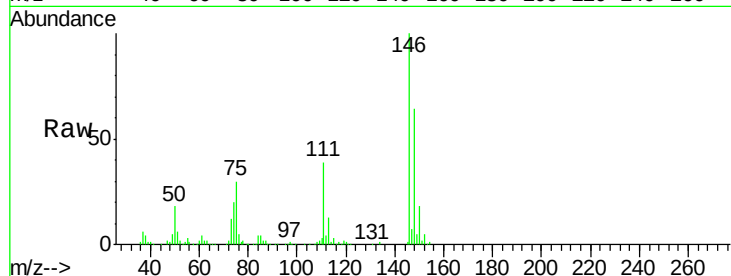
Tot Ion:146 Resp: 204457

Ion Ratio Lower Upper

146 100

111 39.8 19.5 58.5

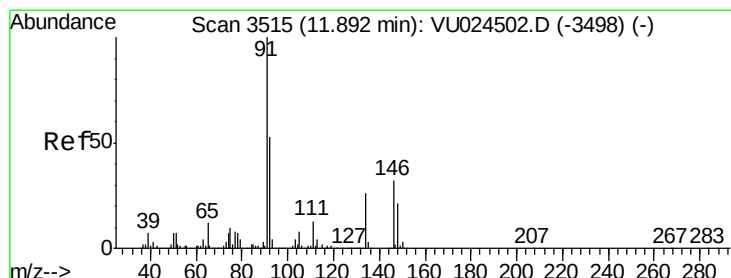
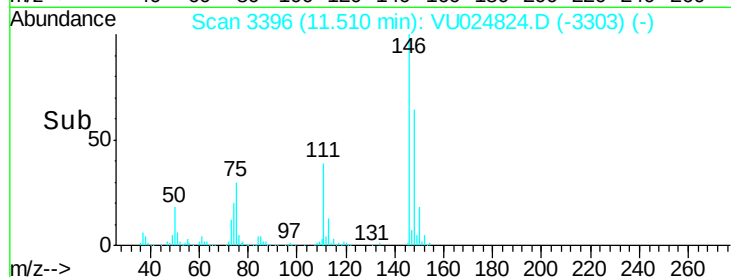
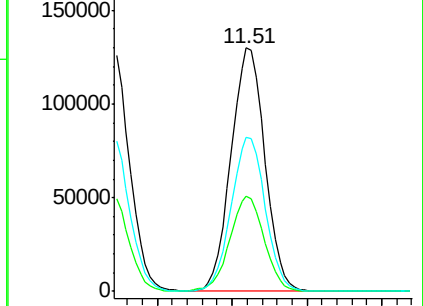
148 63.9 32.4 97.0



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: 33.557 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

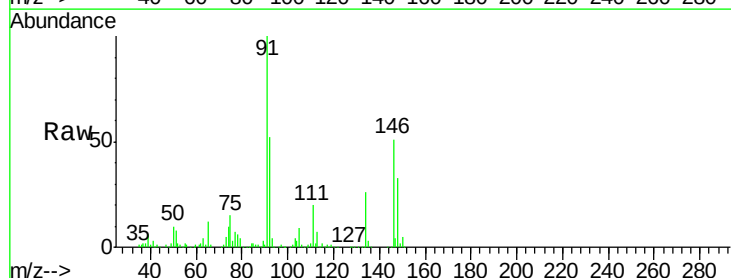
Tgt Ion: 91 Resp: 262474

Ion Ratio Lower Upper

91 100

92 52.3 25.6 76.8

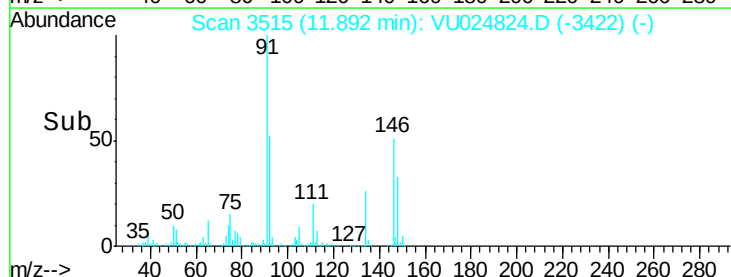
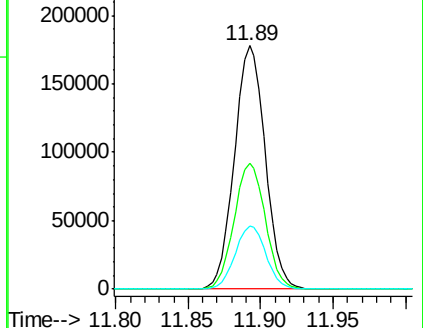
134 25.9 12.3 36.8

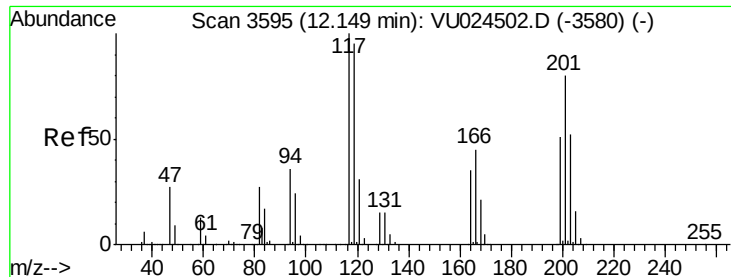


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 39.841 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

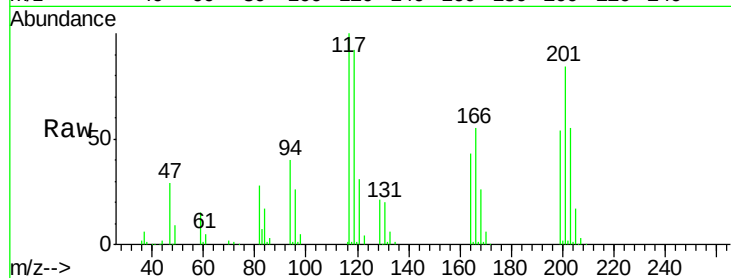
S39-0183MS

Tot Ion:117 Resp: 68472

Ion Ratio Lower Upper

117 100

201 83.0 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.15

40000

30000

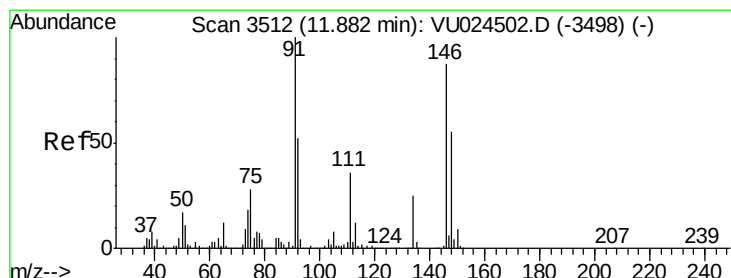
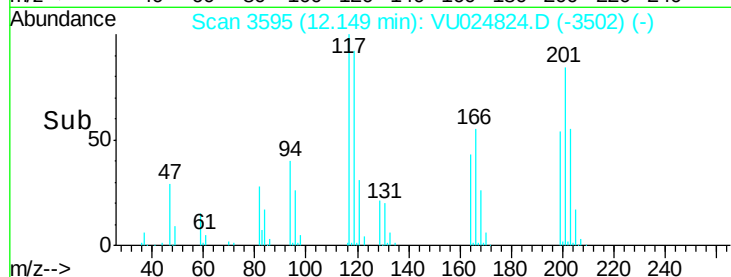
20000

10000

0

Time-->

12.10 12.15 12.20



#91

1,2-Dichlorobenzene

Concen: 50.440 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

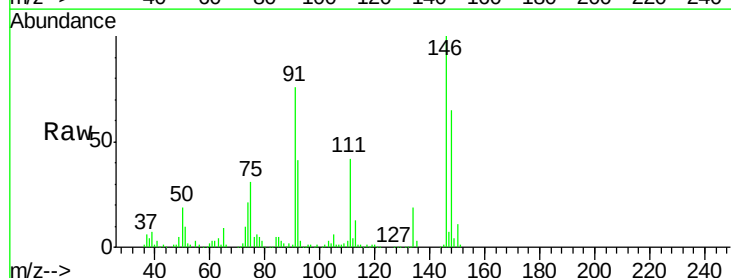
Tgt Ion:146 Resp: 222729

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.6

148 64.6 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

11.88

150000

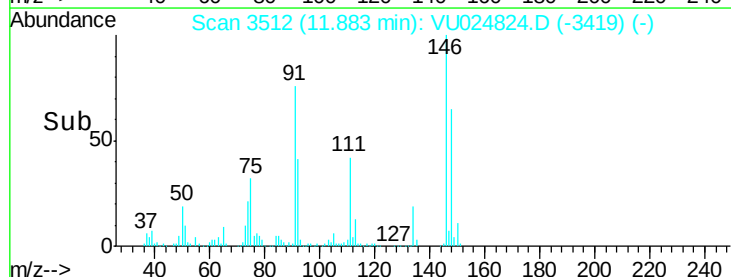
100000

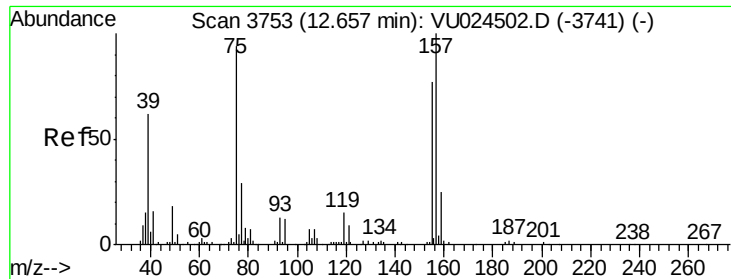
50000

0

Time-->

11.80 11.90





#92

1,2-Dibromo-3-Chloropropane

Concen: 55.268 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

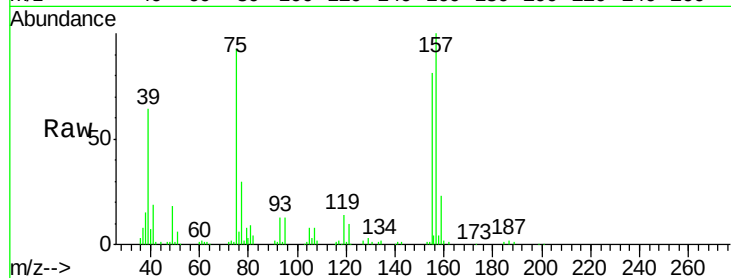
MSVOA_U

ClientSampleId :

S39-0183MS

Tot Ion: 75 Resp: 48168

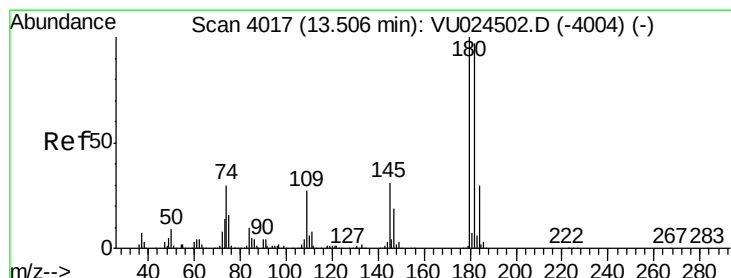
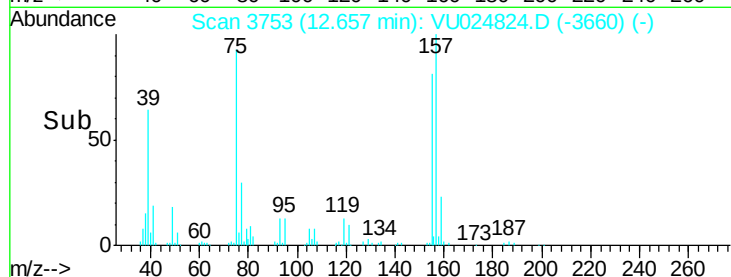
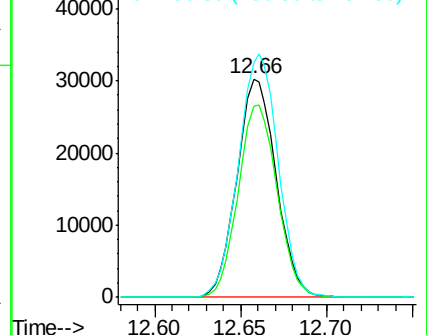
Ion	Ratio	Lower	Upper
75	100		
155	86.9	40.4	121.2
157	112.4	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU024824.D (-3660) (-)

Ion 154.80 (154.50 to 155.50): VU024824.D (-3660) (-)

Ion 156.80 (156.50 to 157.50): VU024824.D (-3660) (-)



#93

1,2,4-Trichlorobenzene

Concen: 47.524 ug/l

RT: 13.51 min Scan# 4017

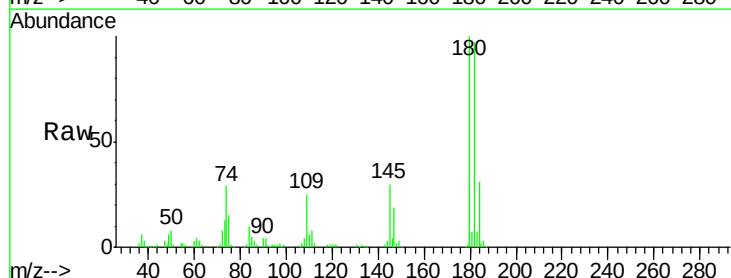
Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Tgt Ion: 180 Resp: 129589

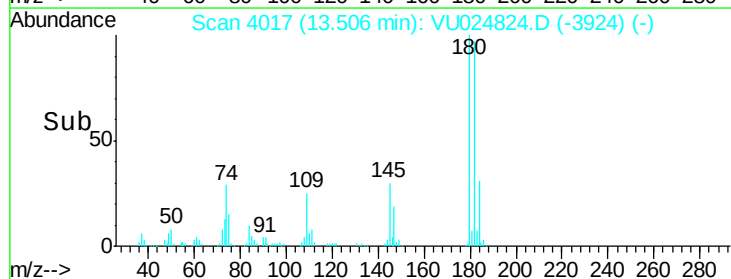
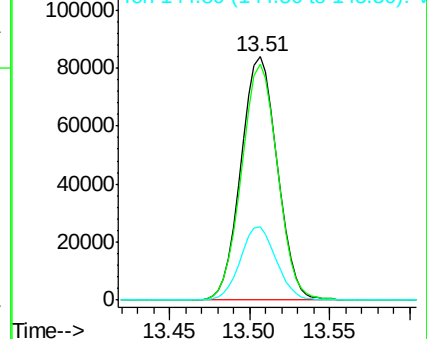
Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.0	144.2
145	29.7	14.7	44.1

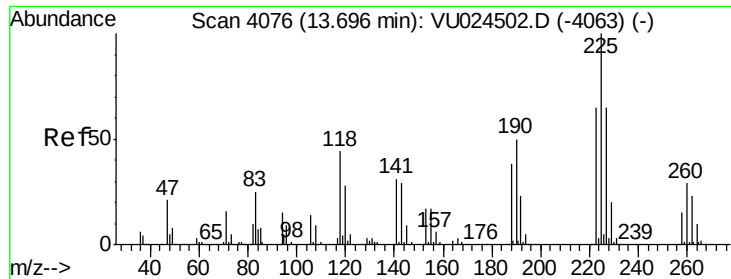


Abundance Ion 179.80 (179.50 to 180.50): VU024824.D (-3924) (-)

Ion 181.80 (181.50 to 182.50): VU024824.D (-3924) (-)

Ion 144.80 (144.50 to 145.50): VU024824.D (-3924) (-)





#94

Hexachlorobutadiene

Concen: 33.281 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS

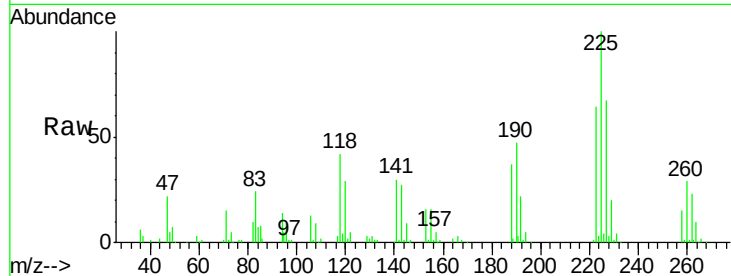
Tot Ion:225 Resp: 51080

Ion Ratio Lower Upper

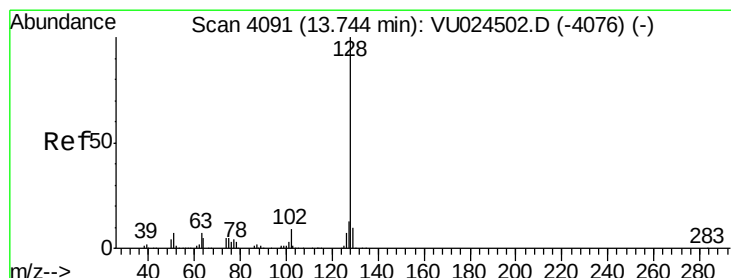
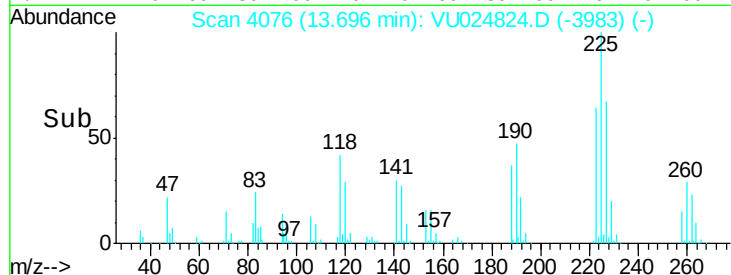
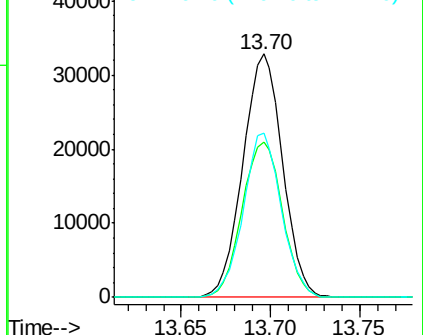
225 100

223 65.0 31.3 93.8

227 64.4 31.8 95.4



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



#95

Naphthalene

Concen: 56.959 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024824.D

Acq: 21 Jun 2018 20:33

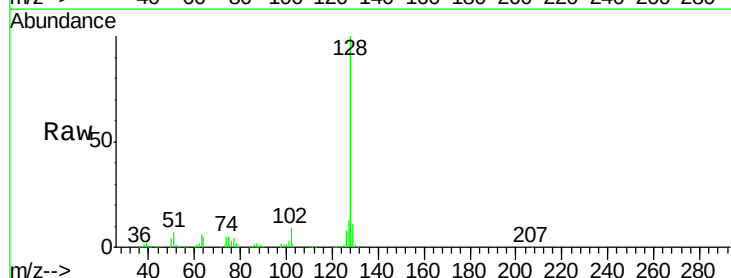
Tgt Ion:128 Resp: 515046

Ion Ratio Lower Upper

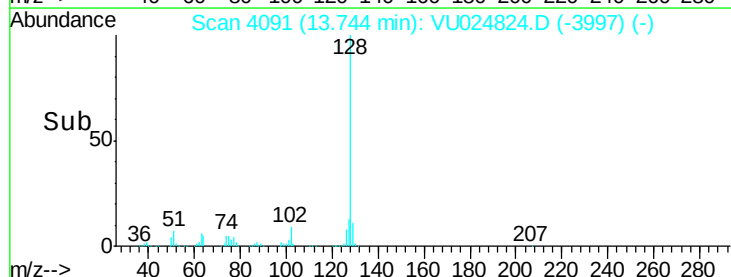
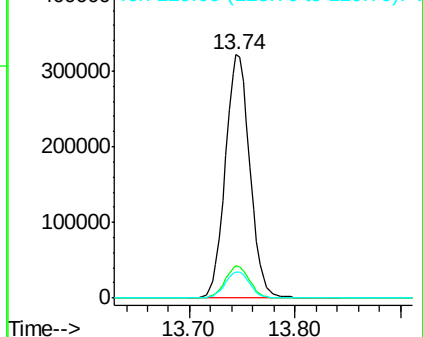
128 100

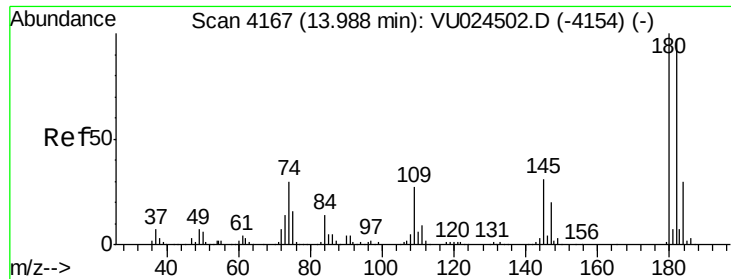
127 13.2 10.6 16.0

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: 52.914 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024824.D

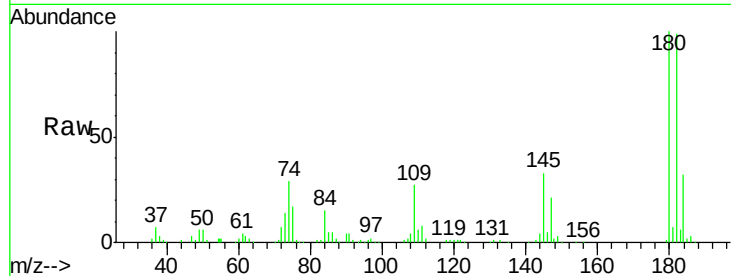
Acq: 21 Jun 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

S39-0183MS



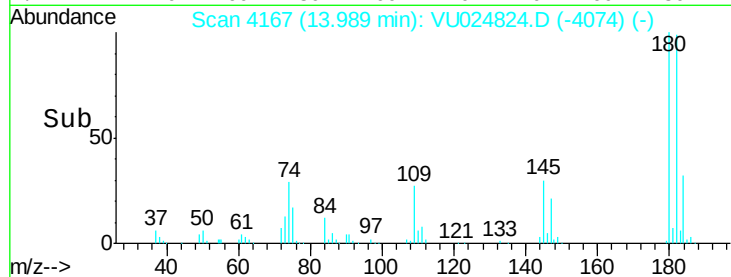
Tot Ion:180 Resp: 143773

Ion Ratio Lower Upper

180 100

182 97.4 47.9 143.7

145 32.3 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

