

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025359.D
 Acq On : 12 Jul 2018 23:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 13 04:34:12 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	162489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249018	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	233911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141757	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	122756	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	4.89	113	100504	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	7.57	98	328261	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
62) 4-Bromofluorobenzene	10.31	95	137109	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	74131	44.08	ug/l	100
3) Chloromethane	1.33	50	73421	43.89	ug/l	99
4) Vinyl Chloride	1.40	62	82173	44.47	ug/l	100
5) Bromomethane	1.62	94	49612	52.90	ug/l	97
6) Chloroethane	1.69	64	55872	47.56	ug/l	99
7) Trichlorofluoromethane	1.88	101	137334	47.29	ug/l	99
8) Diethyl Ether	2.10	74	54097	49.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85590	47.56	ug/l	99
10) Methyl Iodide	2.41	142	100184	49.78	ug/l	99
11) Tert butyl alcohol	2.83	59	142438	258.64	ug/l	100
12) 1,1-Dichloroethene	2.28	96	77375	46.98	ug/l	95
13) Acrolein	2.19	56	42769	117.39	ug/l	100
14) Allyl chloride	2.59	41	134398	44.99	ug/l	98
15) Acrylonitrile	2.94	53	289756	255.91	ug/l	99
16) Acetone	2.32	43	269960	210.35	ug/l	99
17) Carbon Disulfide	2.48	76	184265	38.74	ug/l	99
18) Methyl Acetate	2.62	43	147860	57.21	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	326306	52.08	ug/l	100
20) Methylene Chloride	2.70	84	96486	49.41	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	85273	45.30	ug/l	98
22) Diisopropyl ether	3.57	45	318036	52.13	ug/l	96
23) Vinyl Acetate	3.53	43	1358680	253.89	ug/l	99
24) 1,1-Dichloroethane	3.45	63	177306	51.54	ug/l	100
25) 2-Butanone	4.26	43	422233	241.31	ug/l	99
26) 2,2-Dichloropropane	4.23	77	134459	40.65	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	105027	48.23	ug/l	100
28) Bromochloromethane	4.55	49	83440	50.23	ug/l	99
29) Tetrahydrofuran	4.63	42	264028	251.57	ug/l	100
30) Chloroform	4.68	83	188023	51.61	ug/l	99
31) Cyclohexane	5.00	56	148652	46.67	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	169836	51.44	ug/l	100
36) 1,1-Dichloropropene	5.14	75	128662	46.47	ug/l	99
37) Ethyl Acetate	4.38	43	155743	50.44	ug/l	100
38) Carbon Tetrachloride	5.14	117	145929	48.97	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025359.D
 Acq On : 12 Jul 2018 23:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 13 04:34:12 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	151105	43.76	ug/l	99
40) Benzene	5.39	78	383857	48.11	ug/l	98
41) Methacrylonitrile	4.54	41	86494	50.53	ug/l	98
42) 1,2-Dichloroethane	5.41	62	158338	49.93	ug/l	100
43) Isopropyl Acetate	5.55	43	248529	50.27	ug/l	100
44) Trichloroethene	6.19	130	104484	45.61	ug/l	99
45) 1,2-Dichloropropane	6.44	63	106346	50.89	ug/l	99
46) Dibromomethane	6.56	93	74351	48.89	ug/l	100
47) Bromodichloromethane	6.76	83	142796	50.55	ug/l	99
48) Methyl methacrylate	6.62	41	125909	51.08	ug/l	99
49) 1,4-Dioxane	6.62	88	60604	1021.85	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	820516	255.33	ug/l	100
52) Toluene	7.64	92	247224	48.71	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	146995	47.36	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	159117	48.17	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	107470	50.84	ug/l	97
56) Ethyl methacrylate	8.02	69	164931	49.95	ug/l	98
57) 1,3-Dichloropropane	8.25	76	175657	50.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	300833	203.36	ug/l	100
59) 2-Hexanone	8.36	43	644287	247.18	ug/l	99
60) Dibromochloromethane	8.48	129	117605	51.51	ug/l	100
61) 1,2-Dibromoethane	8.59	107	114926	50.81	ug/l	99
64) Tetrachloroethene	8.23	164	97364	45.66	ug/l	99
65) Chlorobenzene	9.12	112	285072	48.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	108998	52.15	ug/l	99
67) Ethyl Benzene	9.25	91	484972	48.68	ug/l	99
68) m/p-Xylenes	9.38	106	372323	96.67	ug/l	97
69) o-Xylene	9.78	106	187902	48.73	ug/l	96
70) Styrene	9.80	104	307988	50.29	ug/l	100
71) Bromoform	9.96	173	88993	44.59	ug/l #	97
73) Isopropylbenzene	10.17	105	512473	47.32	ug/l	100
74) N-amyl acetate	10.01	43	222236	50.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	178082	50.26	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	203026	69.00	ug/l	86
77) Bromobenzene	10.45	156	132147	47.69	ug/l	99
78) n-propylbenzene	10.59	91	574357	47.79	ug/l	100
79) 2-Chlorotoluene	10.66	91	354529	51.37	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	441270	48.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	203026	179.77	ug/l #	100
82) 4-Chlorotoluene	10.78	91	399471	46.94	ug/l	100
83) tert-Butylbenzene	11.10	119	446301	48.46	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	447244	47.88	ug/l	99
85) sec-Butylbenzene	11.33	105	529429	48.82	ug/l	100
86) p-Isopropyltoluene	11.48	119	464318	48.36	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	240593	47.51	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	241328	48.83	ug/l	99
89) n-Butylbenzene	11.89	91	372982	47.25	ug/l	99
90) Hexachloroethane	12.15	117	78728	48.42	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	254238	49.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45230	52.63	ug/l	98

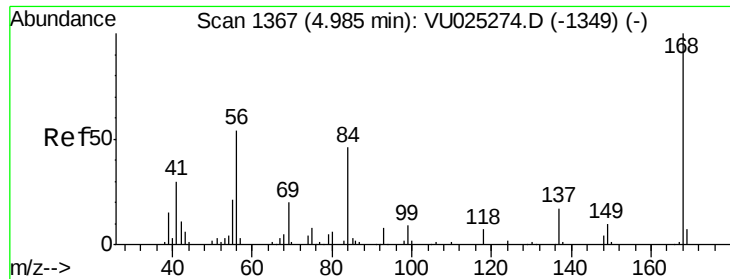
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025359.D
Acq On : 12 Jul 2018 23:36
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Quant Time: Jul 13 04:34:12 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	157303	46.20	ug/l	99
94) Hexachlorobutadiene	13.70	225	85382	46.68	ug/l	99
95) Naphthalene	13.74	128	517929	49.77	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	169104	48.70	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

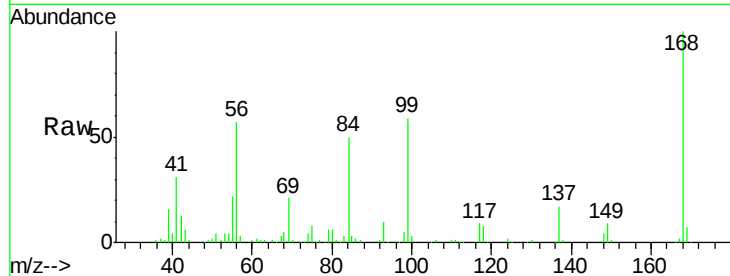
VSTDCCC050

Tot Ion:168 Resp: 162489

Ion Ratio Lower Upper

168 100

99 58.8 42.8 64.2



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

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

4.99

80000

60000

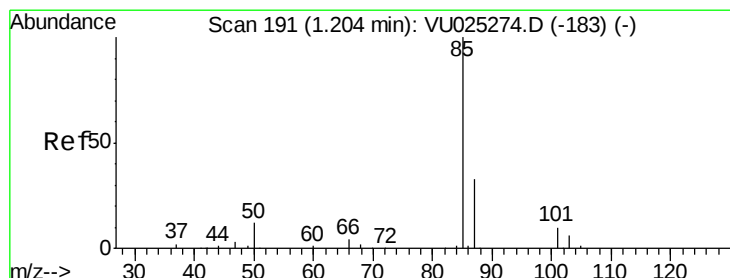
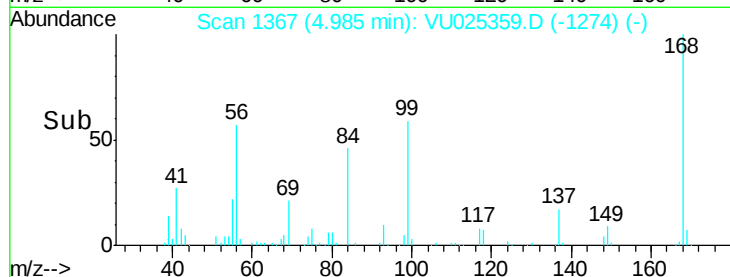
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.08 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025359.D

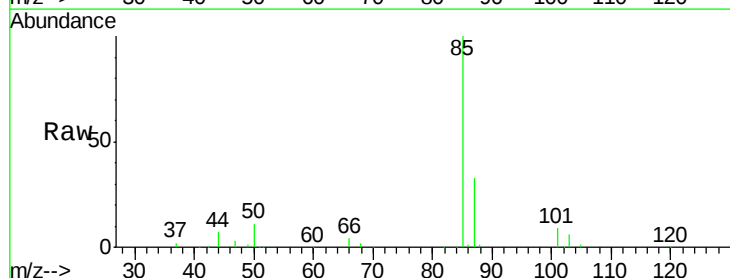
Acq: 12 Jul 2018 23:36

Tgt Ion: 85 Resp: 74131

Ion Ratio Lower Upper

85 100

87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

80000

60000

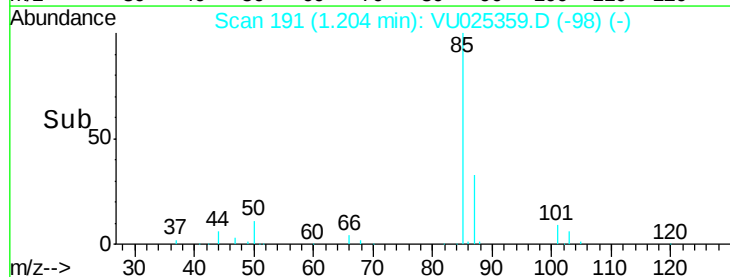
40000

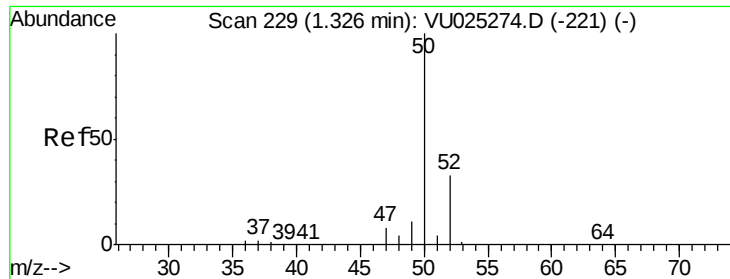
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.89 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

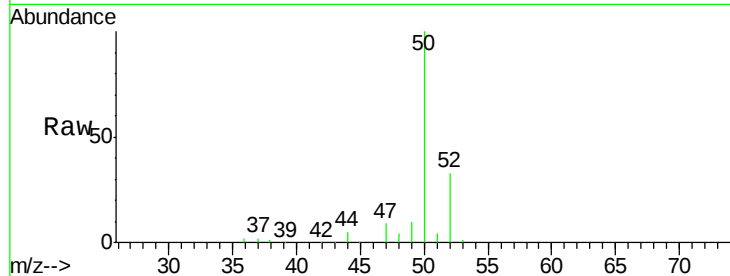
VSTDCCC050

Tot Ion: 50 Resp: 73421

Ion Ratio Lower Upper

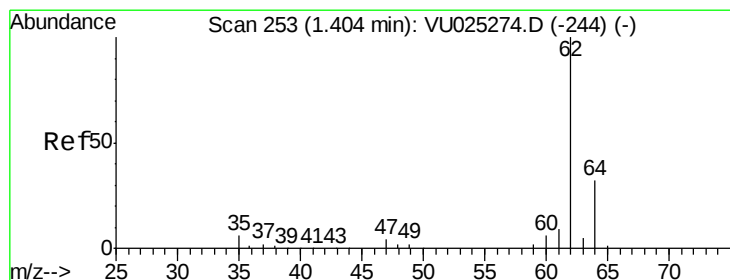
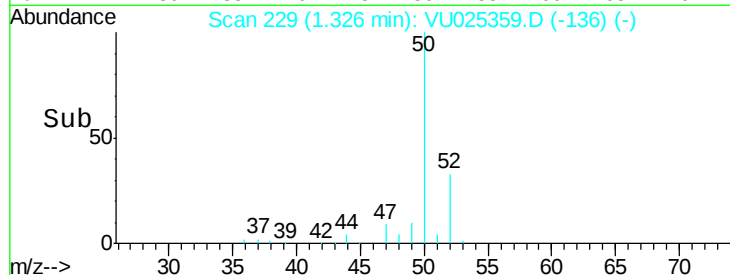
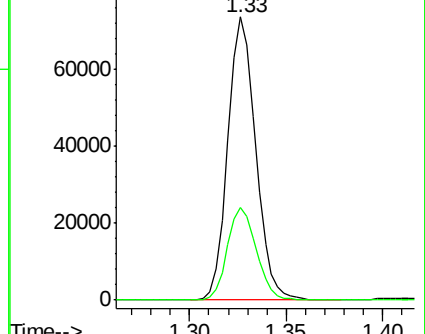
50 100

52 32.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 44.47 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025359.D

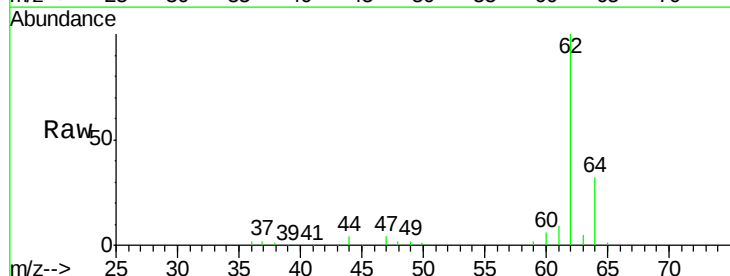
Acq: 12 Jul 2018 23:36

Tgt Ion: 62 Resp: 82173

Ion Ratio Lower Upper

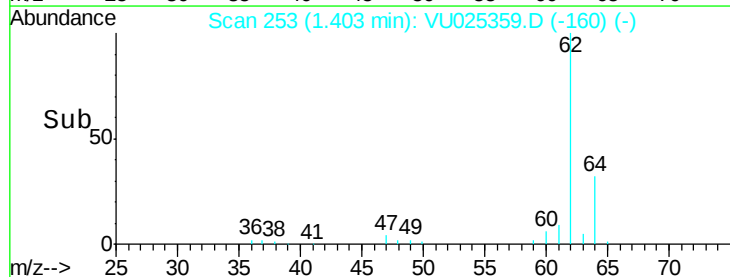
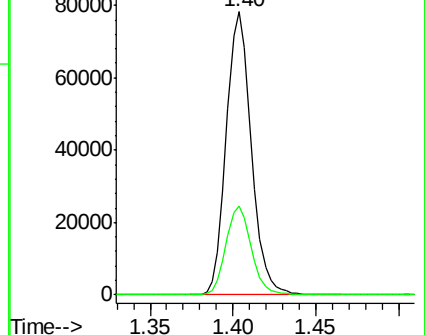
62 100

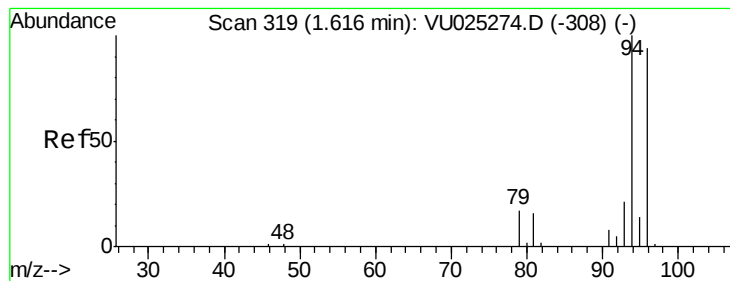
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.90 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

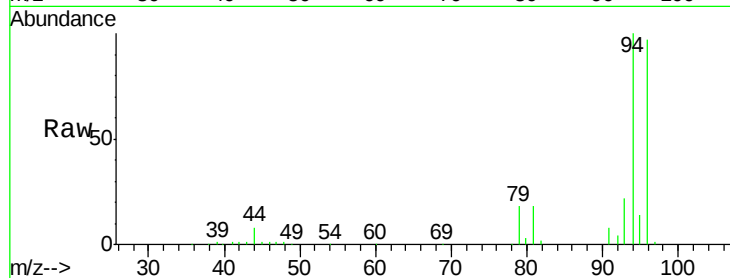
VSTDCCC050

Tot Ion: 94 Resp: 49612

Ion Ratio Lower Upper

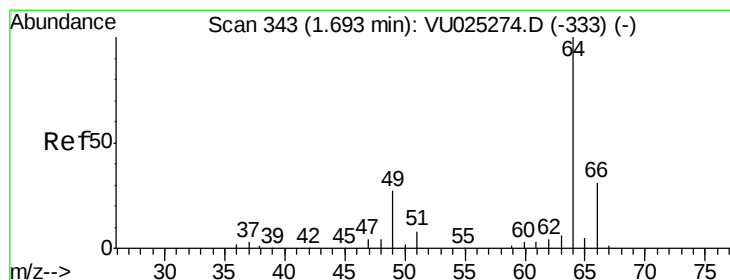
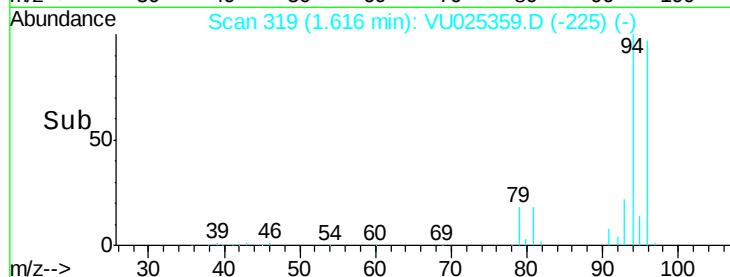
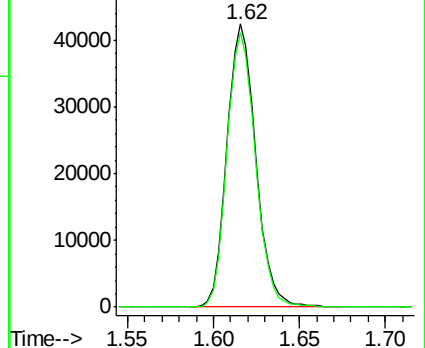
94 100

96 96.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 47.56 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025359.D

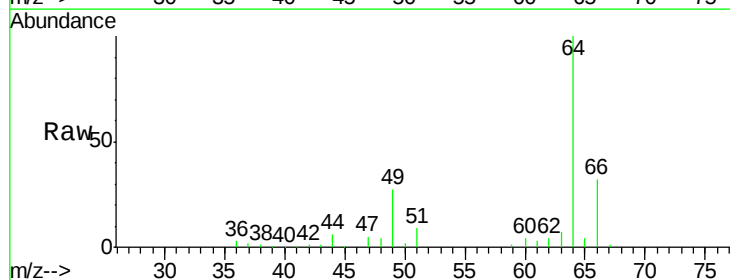
Acq: 12 Jul 2018 23:36

Tgt Ion: 64 Resp: 55872

Ion Ratio Lower Upper

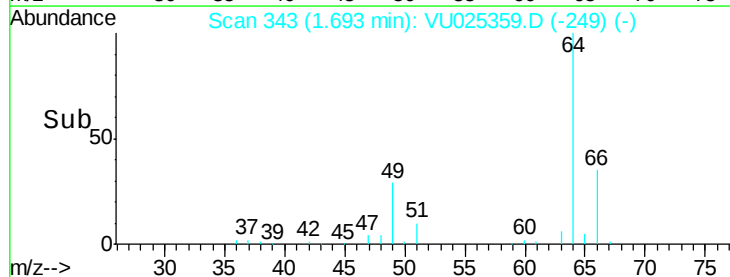
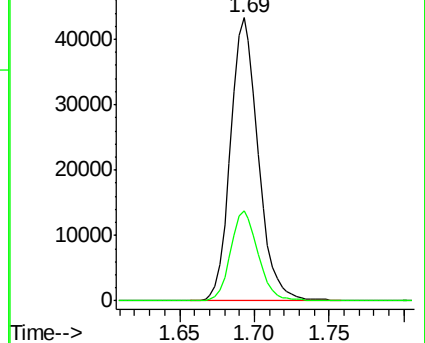
64 100

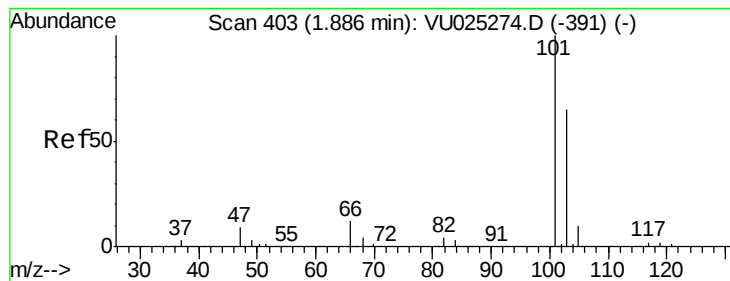
66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



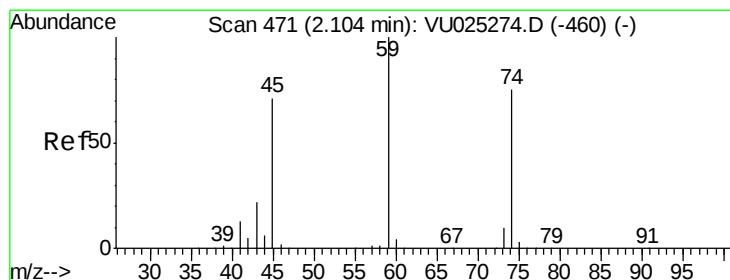
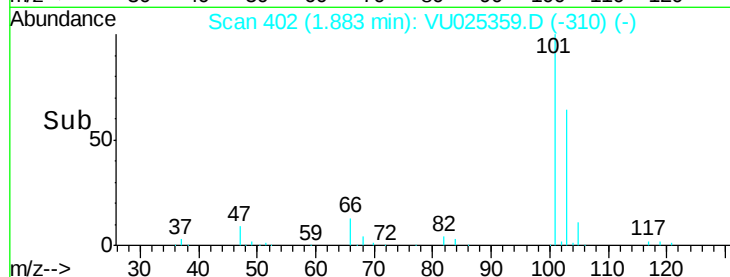
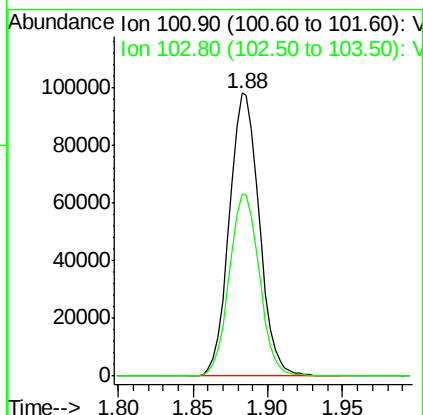
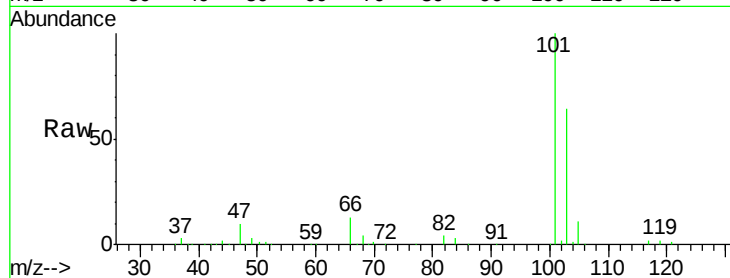


#7

Trichlorofluoromethane
 Concen: 47.29 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

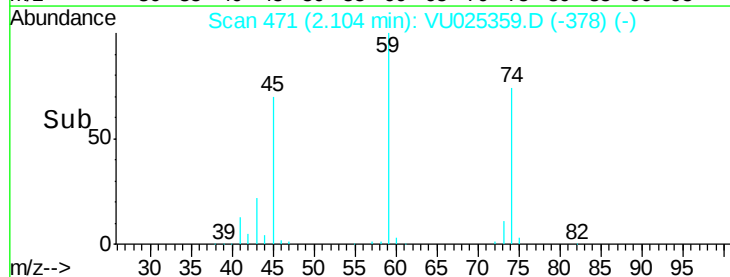
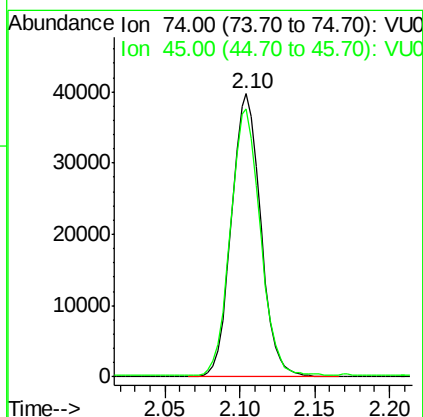
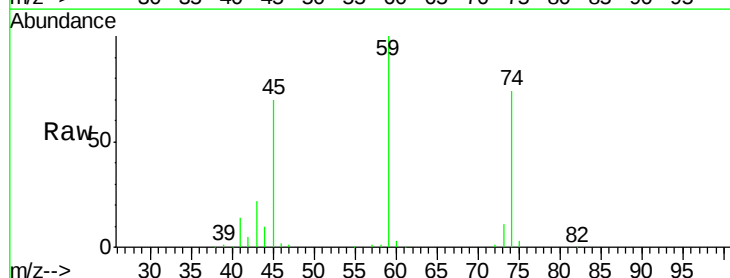
Tot Ion:101 Resp: 137334
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.2

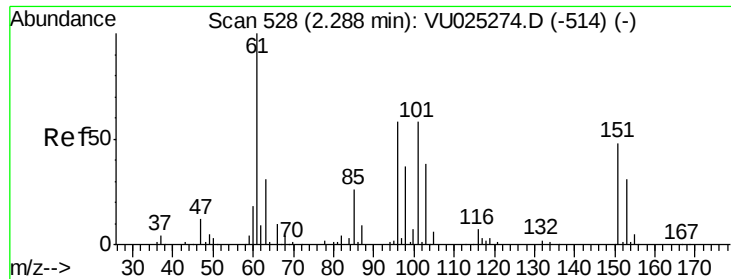


#8

Diethyl Ether
 Concen: 49.64 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 74 Resp: 54097
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.56 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

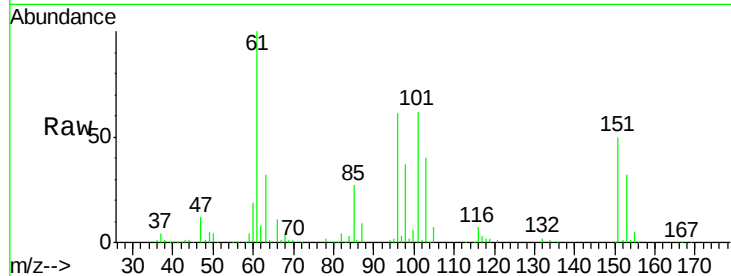
Tot Ion:101 Resp: 85590

Ion Ratio Lower Upper

101 100

85 43.2 36.0 54.0

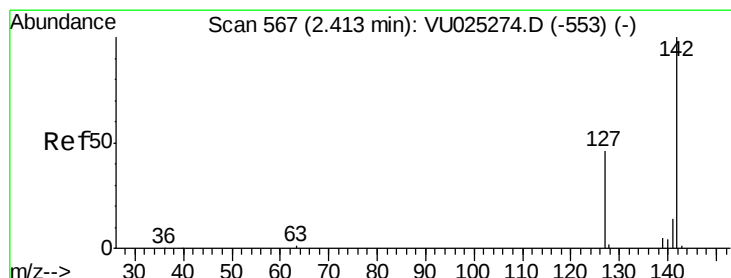
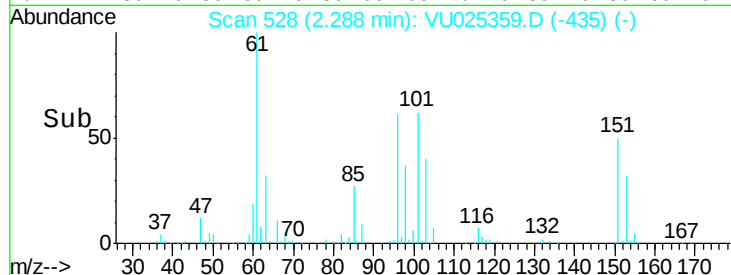
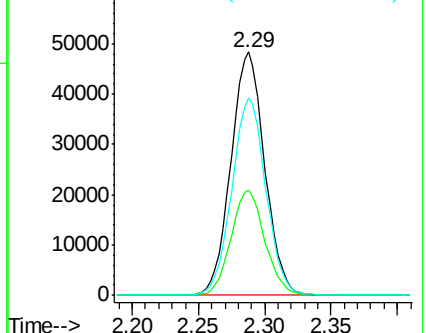
151 81.7 65.6 98.4



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: 49.78 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

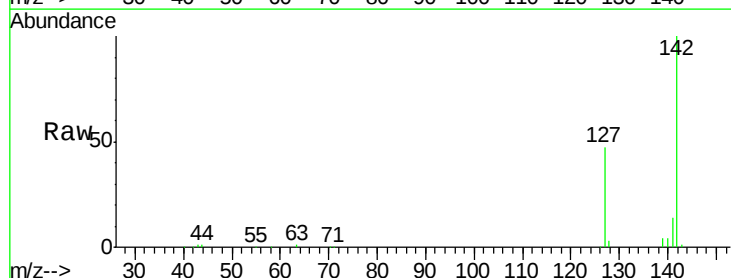
Tgt Ion:142 Resp: 100184

Ion Ratio Lower Upper

142 100

127 46.1 36.5 54.7

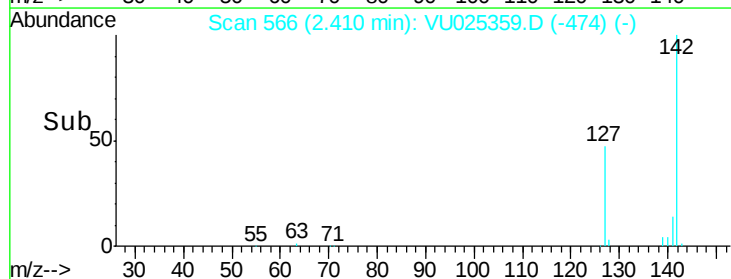
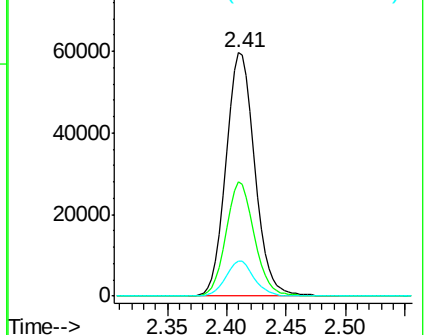
141 14.2 11.4 17.2

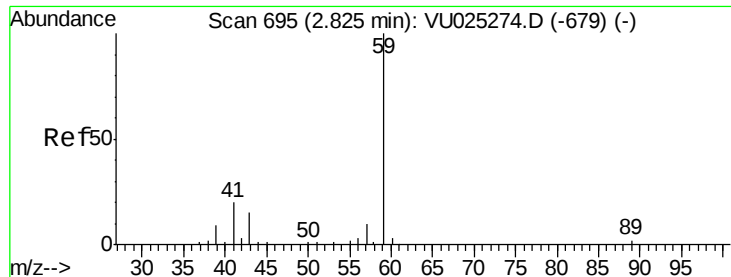


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

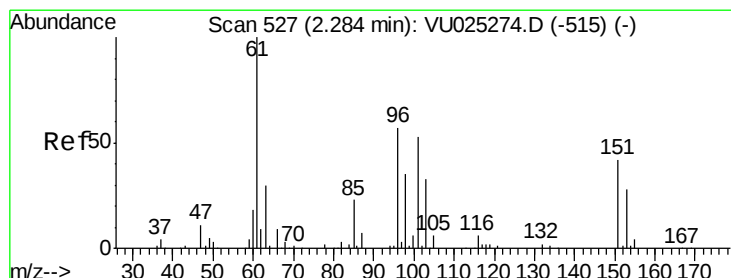
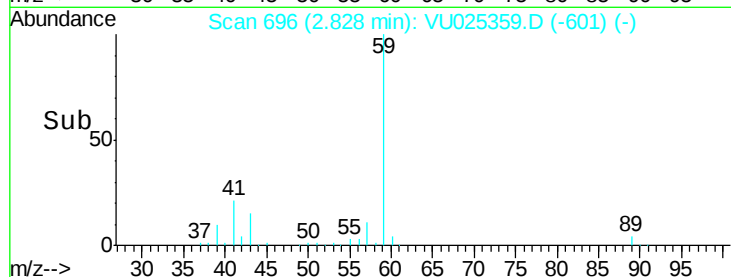
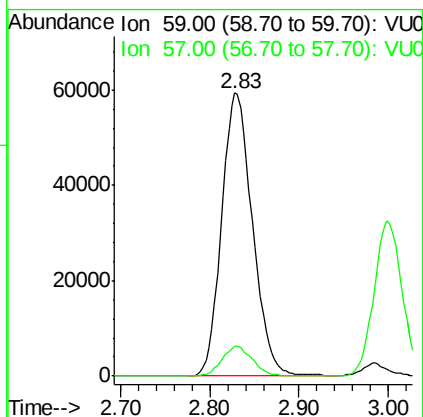
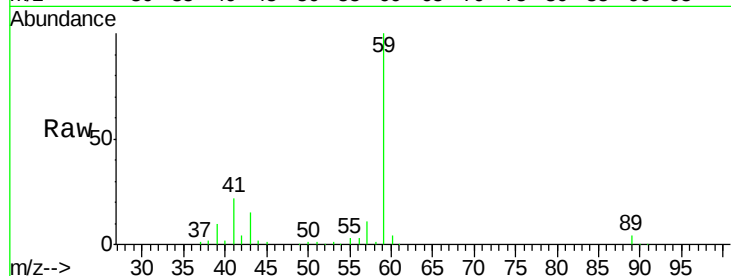




#11
Tert butyl alcohol
Concen: 258.64 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

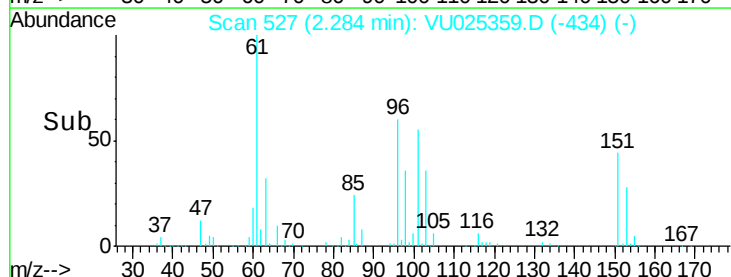
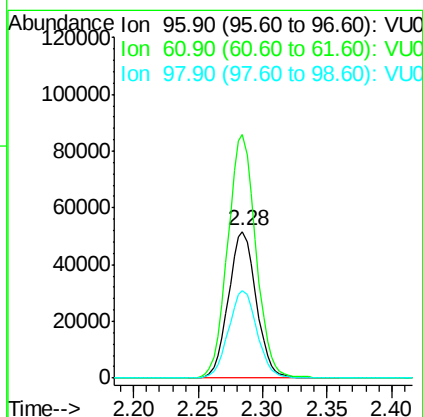
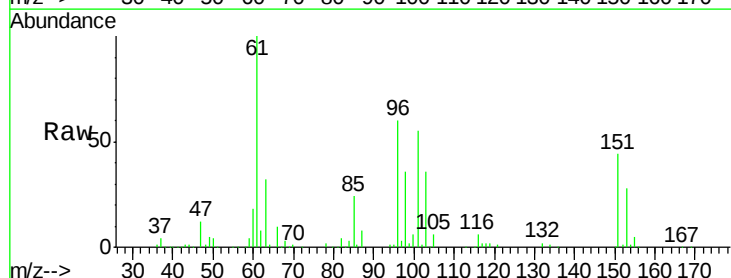
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

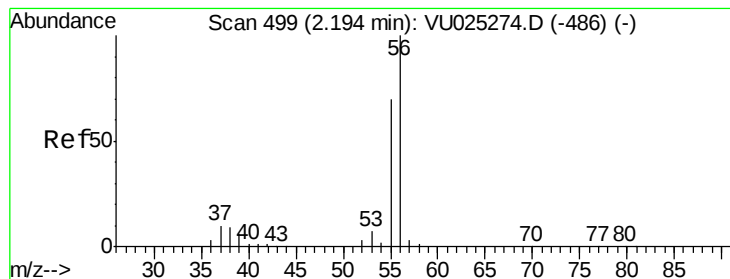
Tot Ion: 59 Resp: 142438
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 46.98 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 96 Resp: 77375
Ion Ratio Lower Upper
96 100
61 166.4 140.2 210.4
98 60.0 49.3 73.9





#13

Acrolein

Concen: 117.39 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

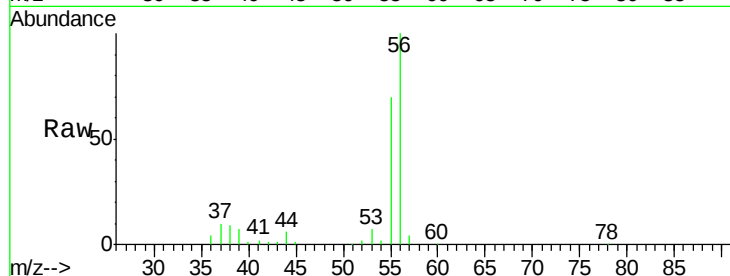
VSTDCCC050

Tot Ion: 56 Resp: 42769

Ion Ratio Lower Upper

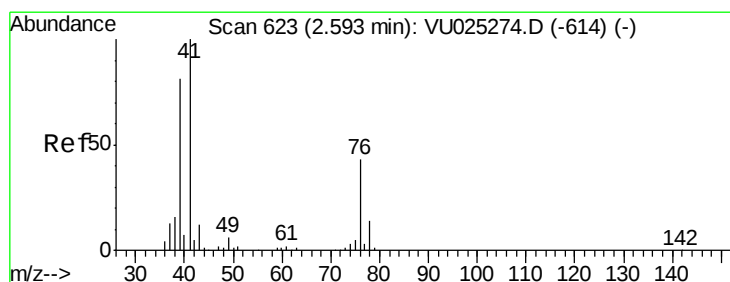
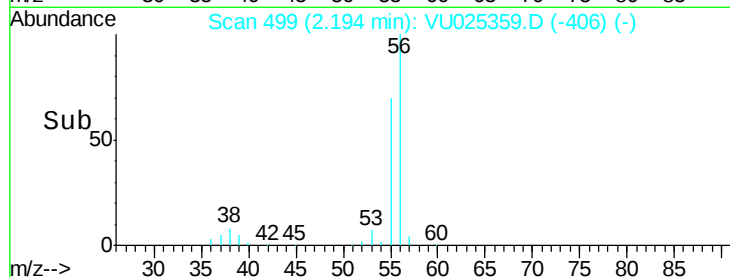
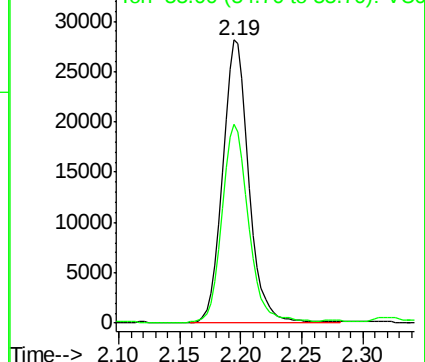
56 100

55 71.6 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 44.99 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

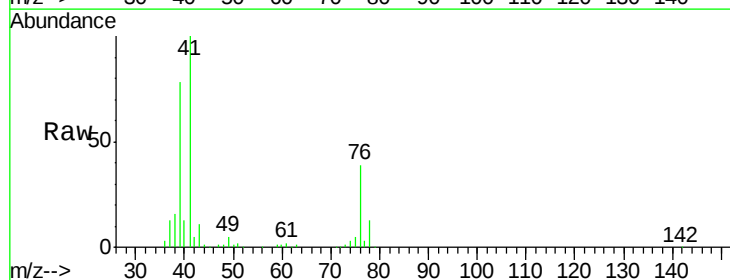
Tgt Ion: 41 Resp: 134398

Ion Ratio Lower Upper

41 100

39 77.4 60.6 91.0

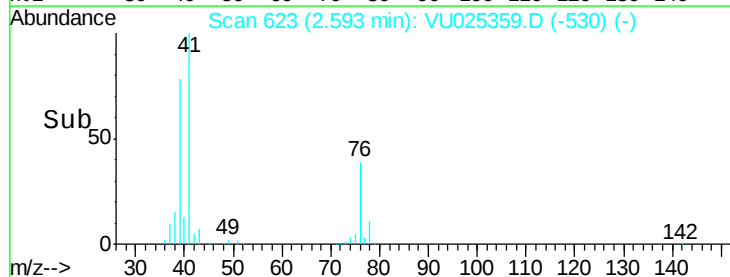
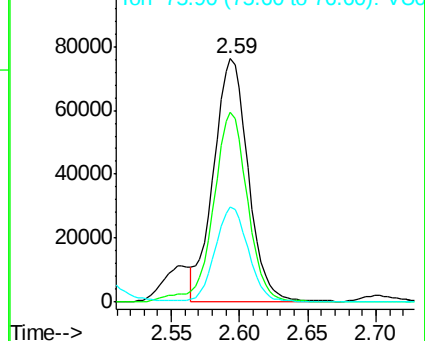
76 36.9 30.5 45.7

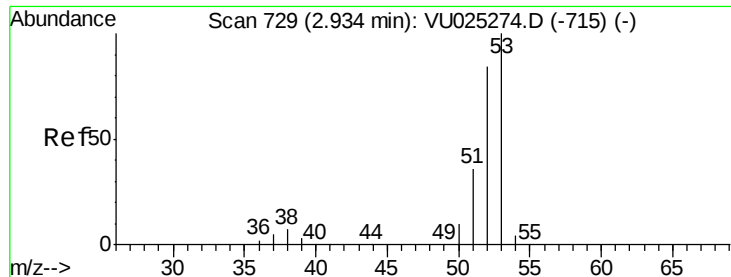


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 255.91 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

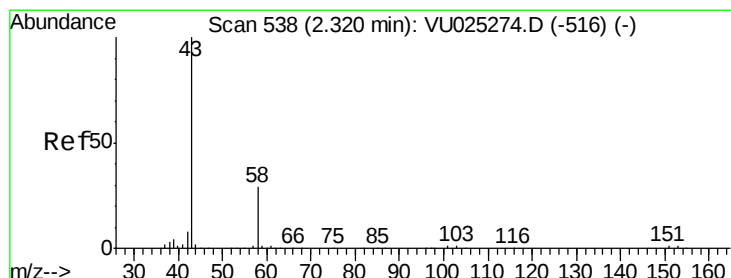
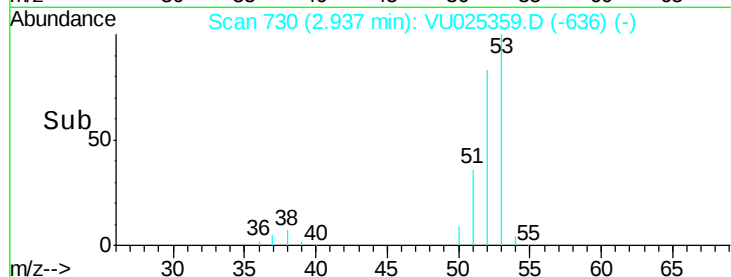
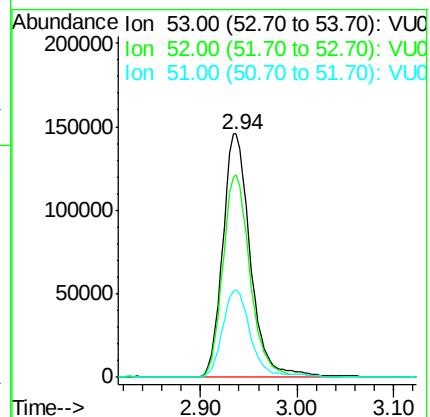
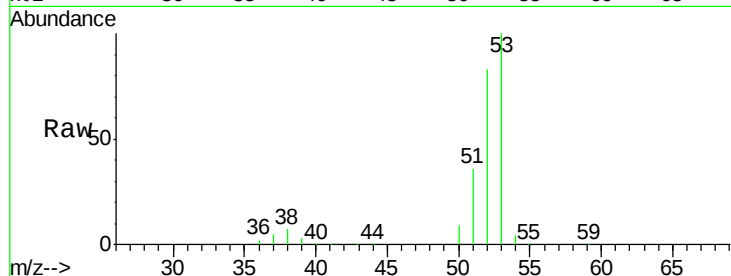
Tot Ion: 53 Resp: 289756

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

51 36.9 29.4 44.2



#16

Acetone

Concen: 210.35 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025359.D

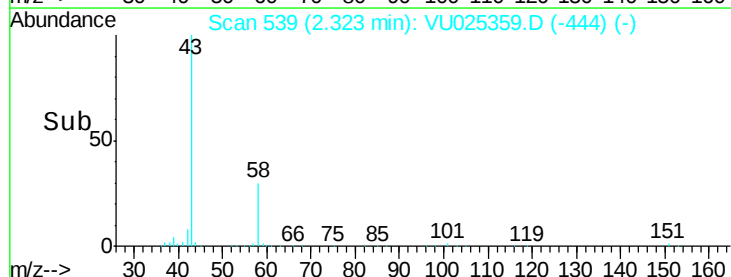
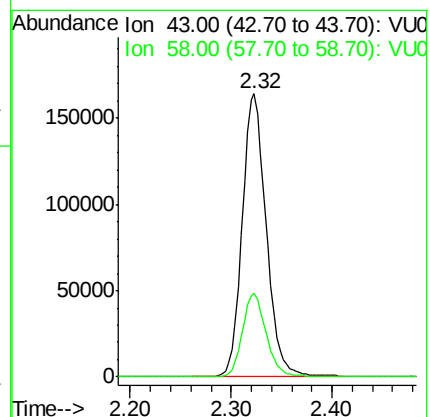
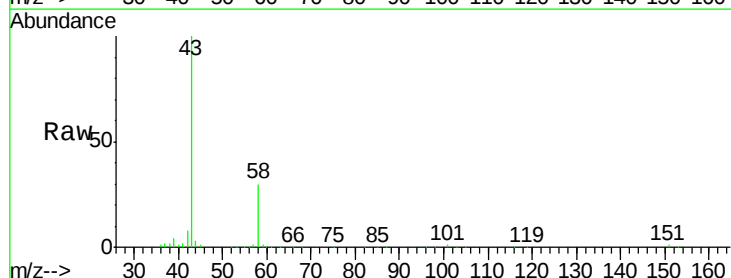
Acq: 12 Jul 2018 23:36

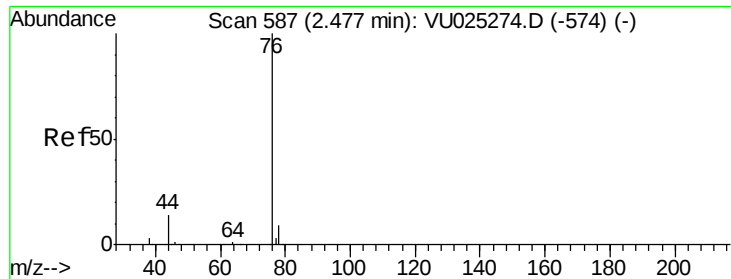
Tgt Ion: 43 Resp: 269960

Ion Ratio Lower Upper

43 100

58 29.6 23.1 34.7

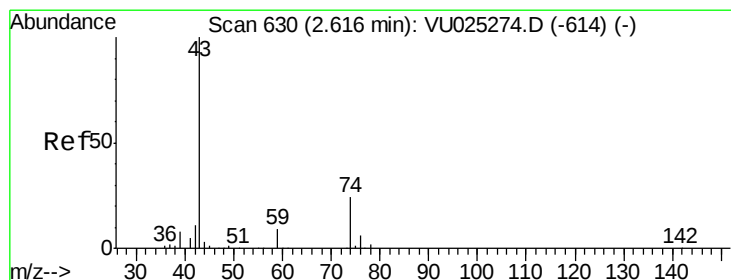
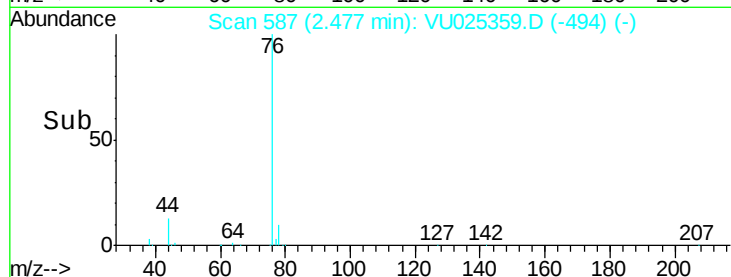
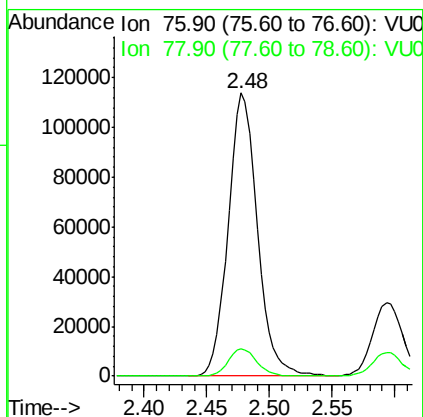
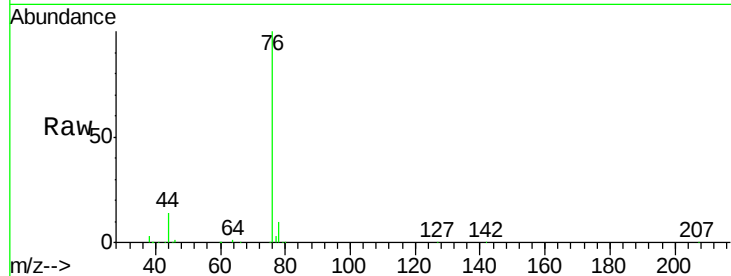




#17
Carbon Disulfide
Concen: 38.74 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

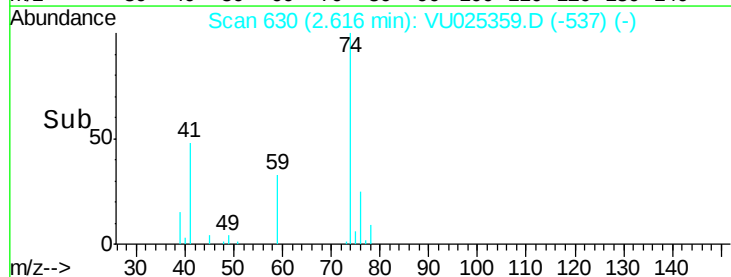
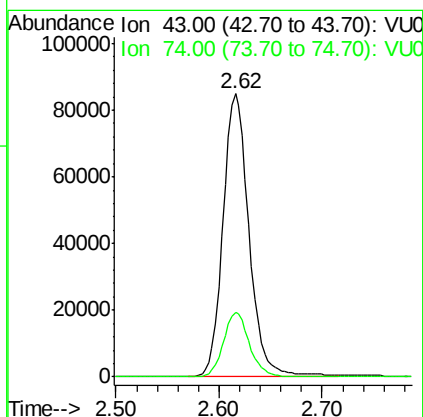
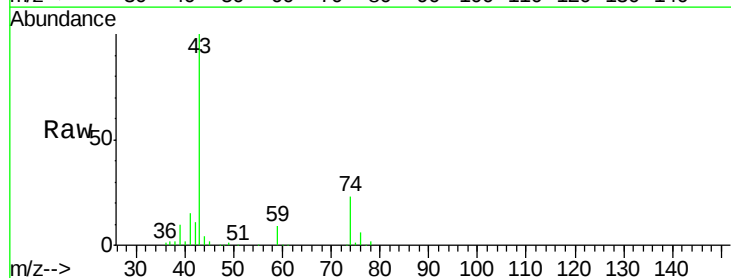
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

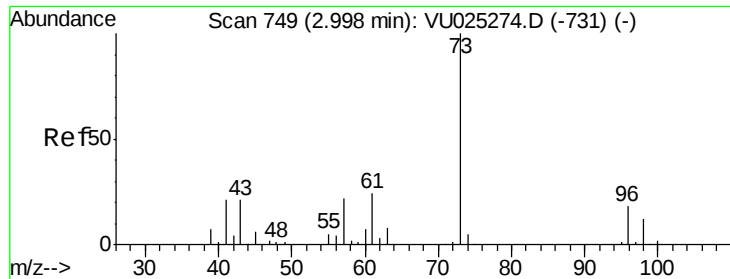
Tot Ion: 76 Resp: 184265
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#18
Methyl Acetate
Concen: 57.21 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 43 Resp: 147860
Ion Ratio Lower Upper
43 100
74 22.9 18.5 27.7

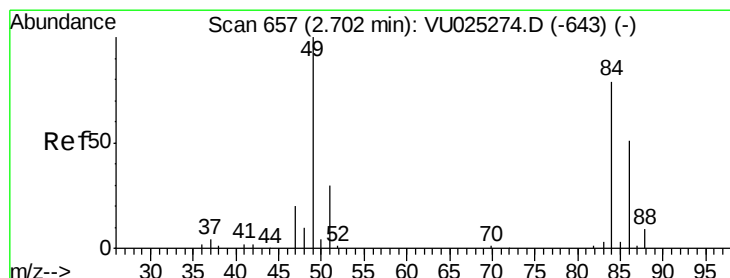
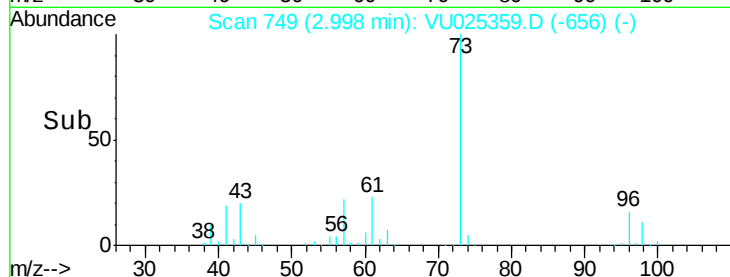
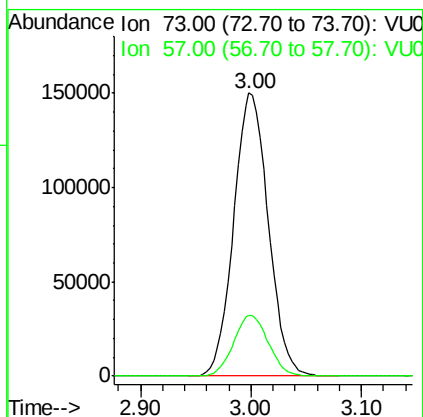
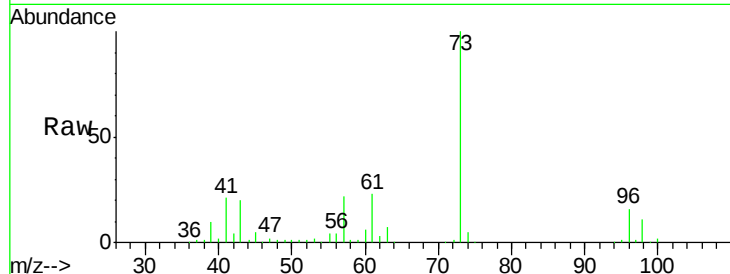




#19
Methvl tert-butvl Ether
Concen: 52.08 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

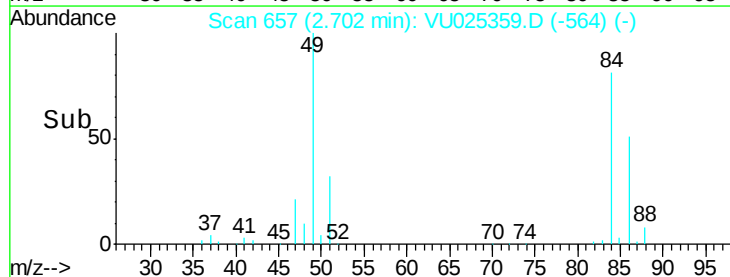
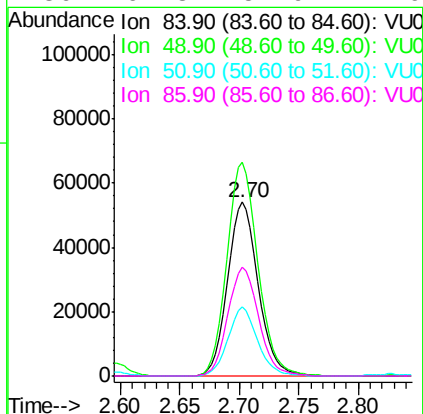
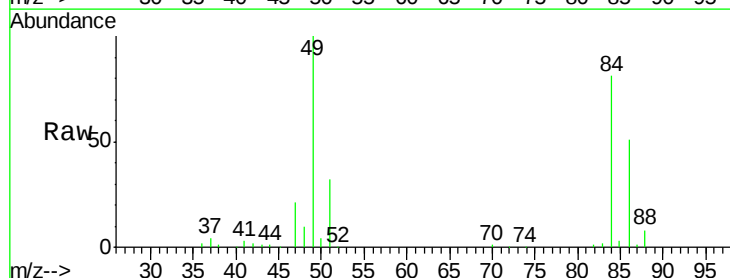
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

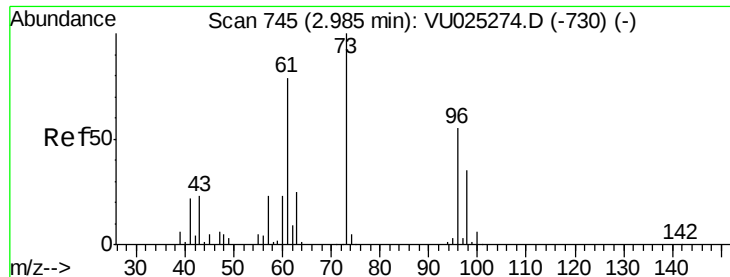
Tot Ion: 73 Resp: 326306
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 49.41 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 84 Resp: 96486
Ion Ratio Lower Upper
84 100
49 123.1 101.8 152.6
51 39.8 30.8 46.2
86 62.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.30 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

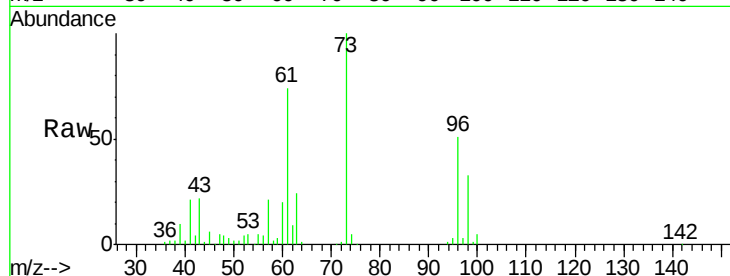
Tot Ion: 96 Resp: 85273

Ion Ratio Lower Upper

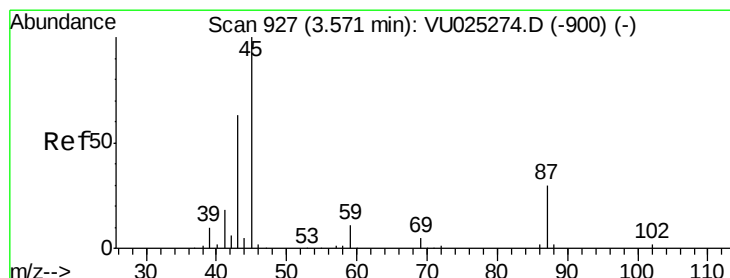
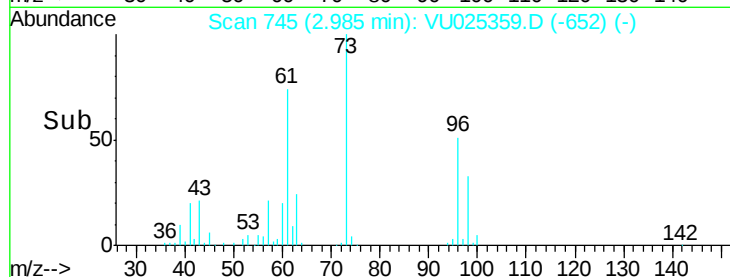
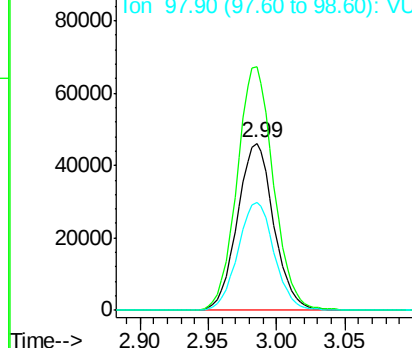
96 100

61 146.0 114.5 171.7

98 64.8 50.5 75.7



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



#22

Diisopropyl ether

Concen: 52.13 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion: 45 Resp: 318036

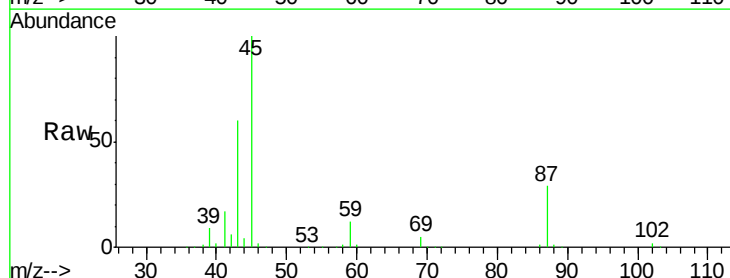
Ion Ratio Lower Upper

45 100

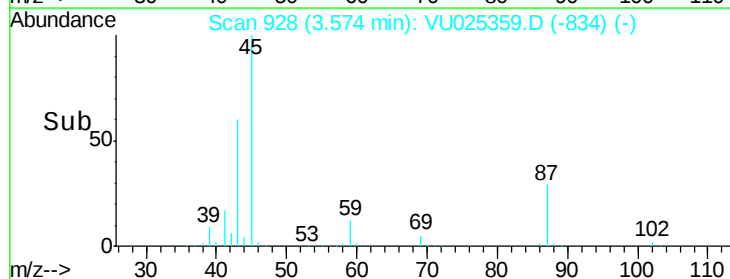
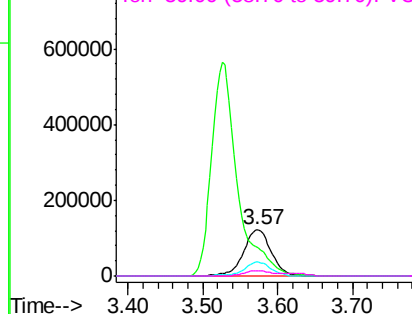
43 59.4 50.9 76.3

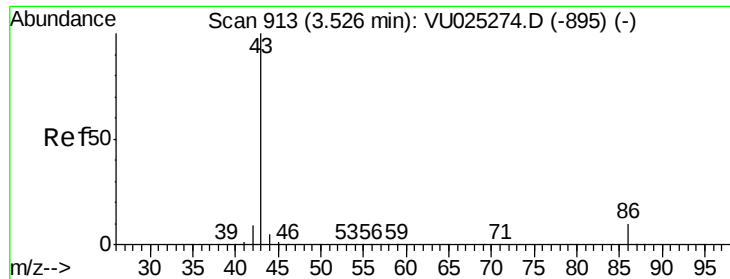
87 29.3 23.8 35.8

59 11.8 9.0 13.4



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





#23

Vinyl Acetate

Concen: 253.89 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

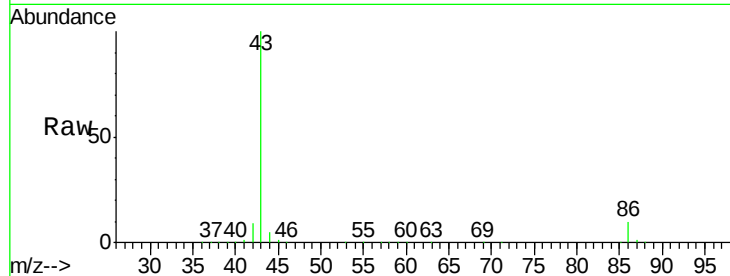
VSTDCCC050

Tot Ion: 43 Resp: 1358680

Ion Ratio Lower Upper

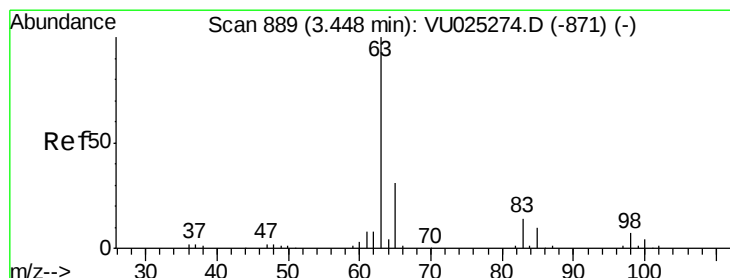
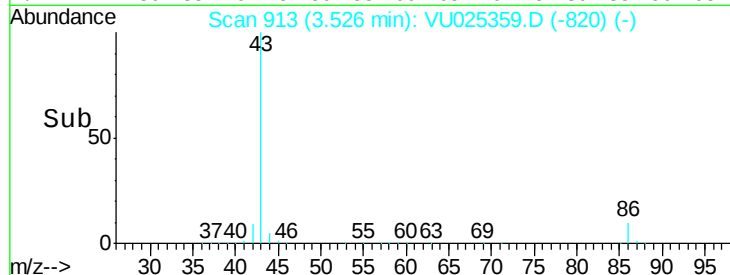
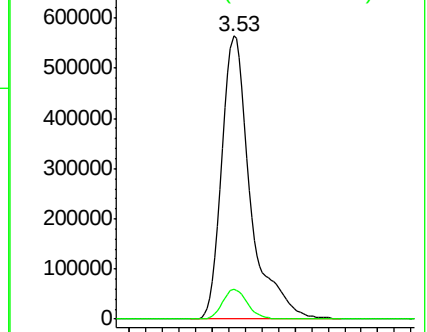
43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 51.54 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

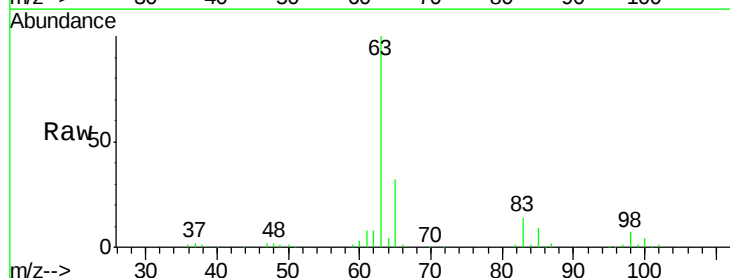
Tgt Ion: 63 Resp: 177306

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

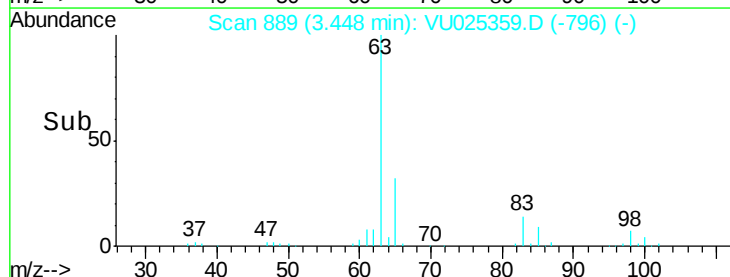
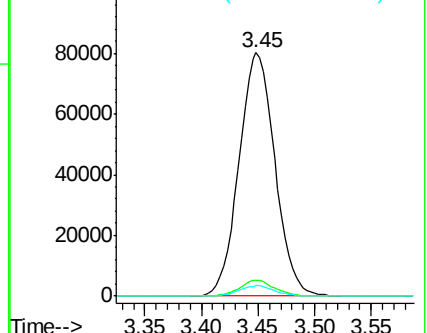
100 4.2 2.0 6.0

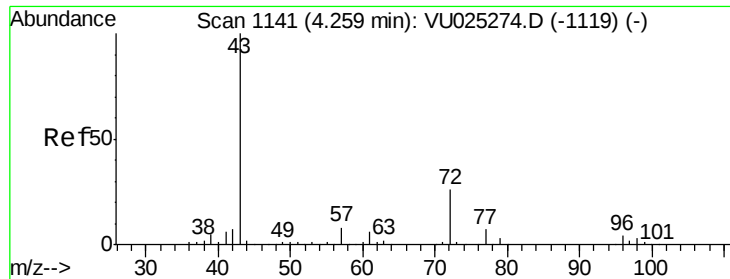


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

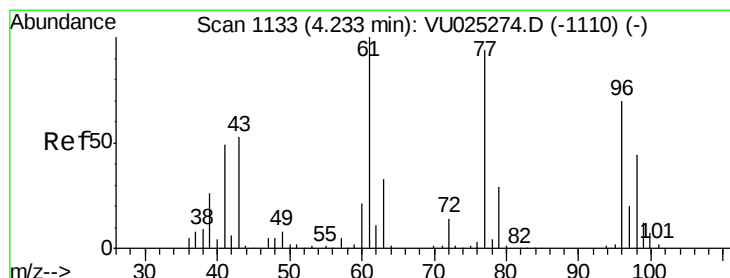
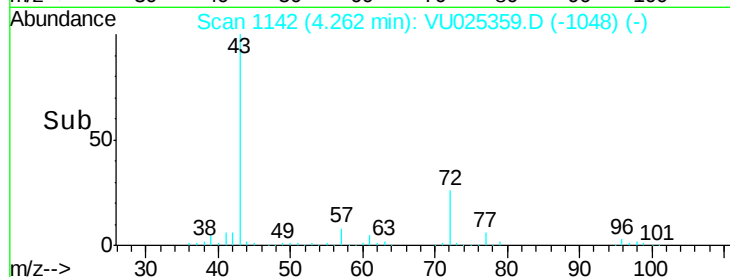
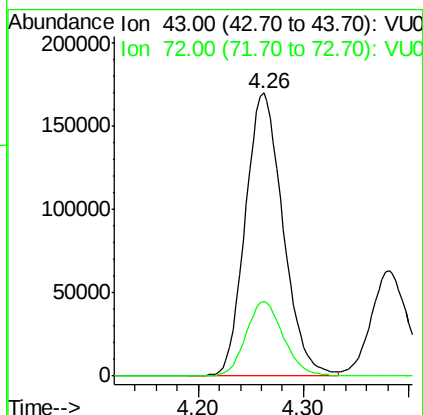
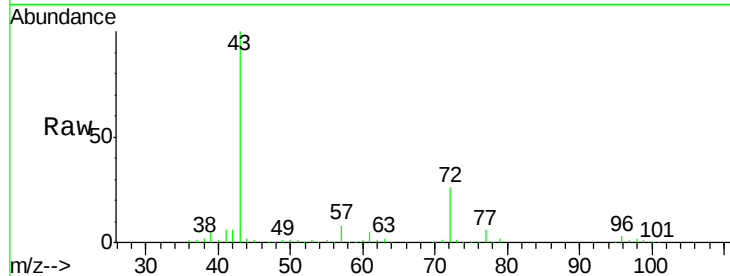




#25
2-Butanone
Concen: 241.31 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

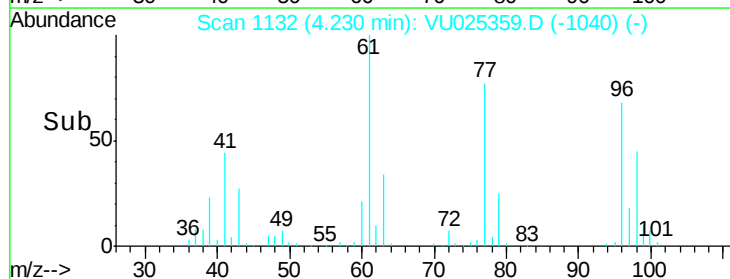
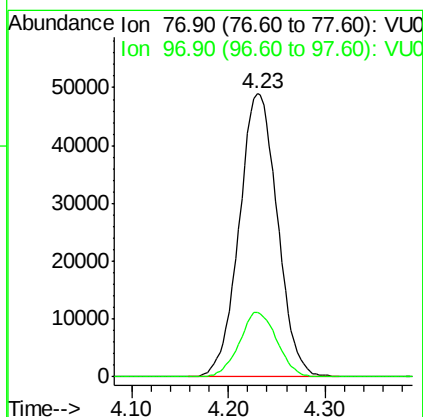
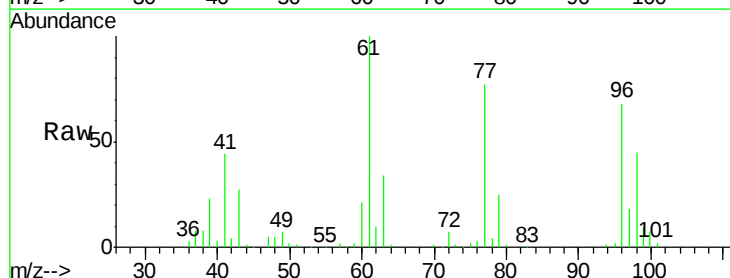
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

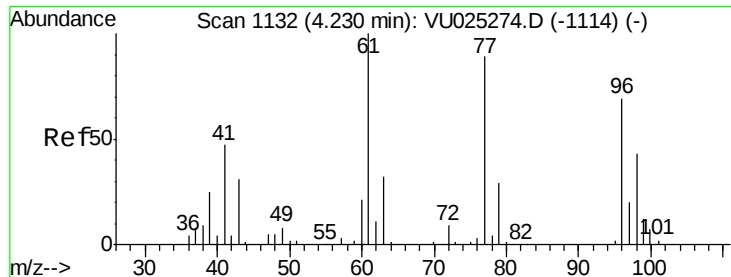
Tot Ion: 43 Resp: 422233
Ion Ratio Lower Upper
43 100
72 26.5 21.0 31.4



#26
2,2-Dichloropropane
Concen: 40.65 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 77 Resp: 134459
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.23 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

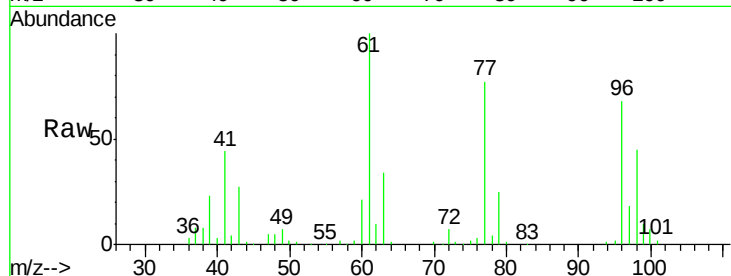
Tot Ion: 96 Resp: 105027

Ion Ratio Lower Upper

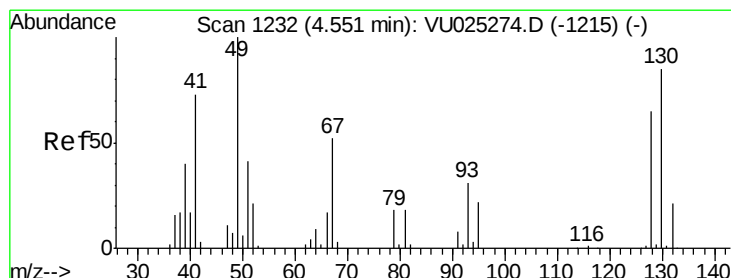
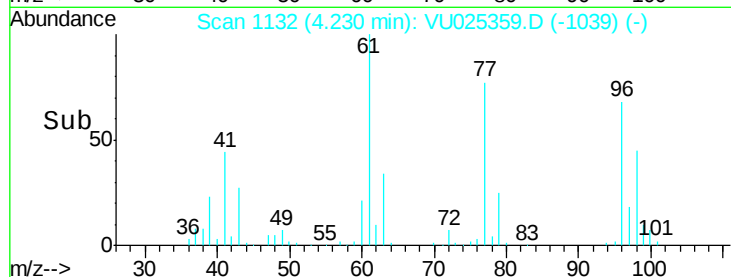
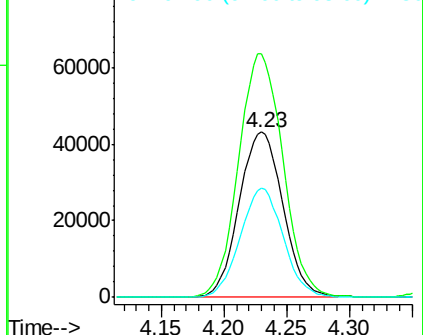
96 100

61 149.5 0.0 299.8

98 65.0 0.0 128.6



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: 50.23 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

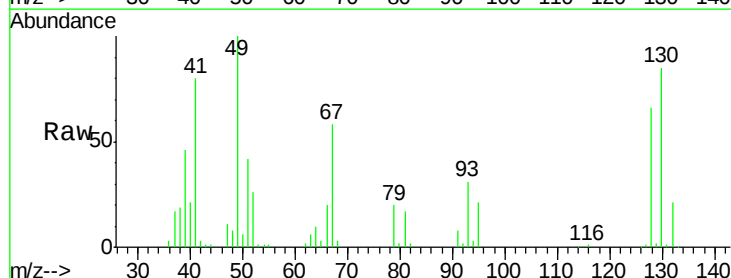
Tgt Ion: 49 Resp: 83440

Ion Ratio Lower Upper

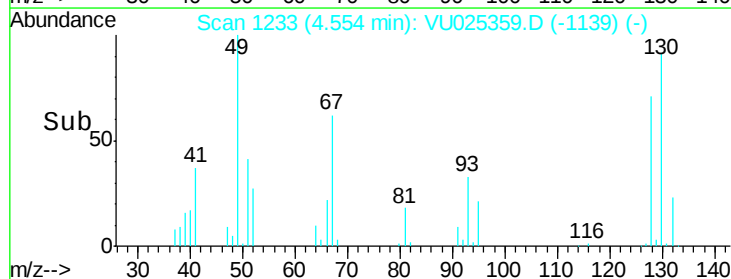
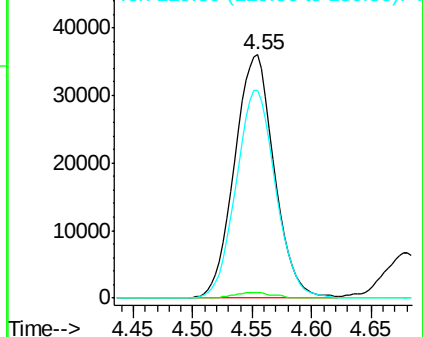
49 100

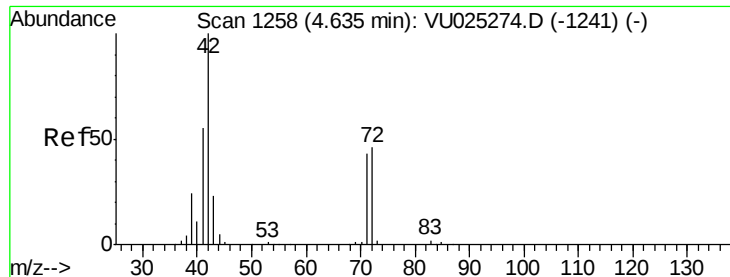
129 2.1 0.0 4.6

130 84.8 68.6 102.8



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: 251.57 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

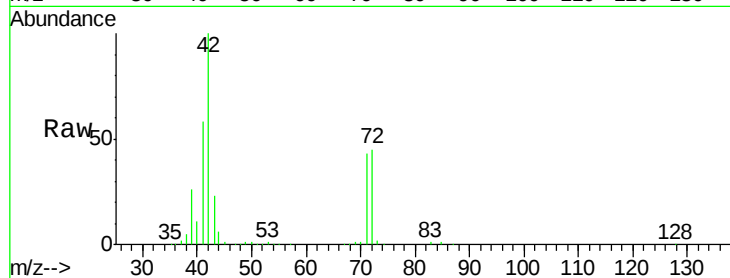
Tot Ion: 42 Resp: 264028

Ion Ratio Lower Upper

42 100

72 45.6 36.7 55.1

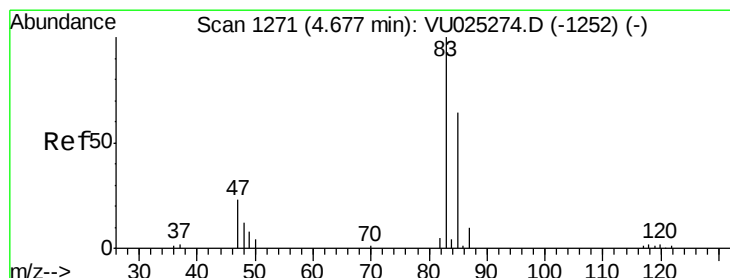
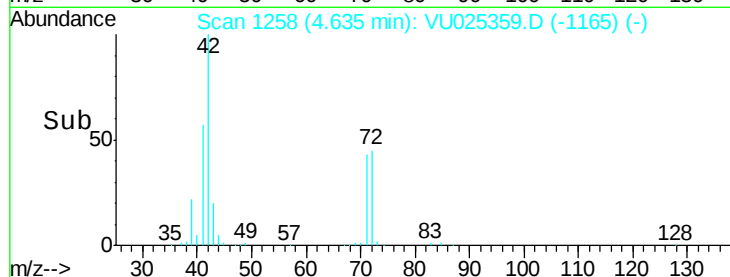
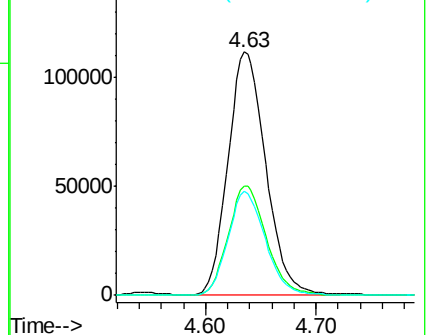
71 42.4 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 51.61 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025359.D

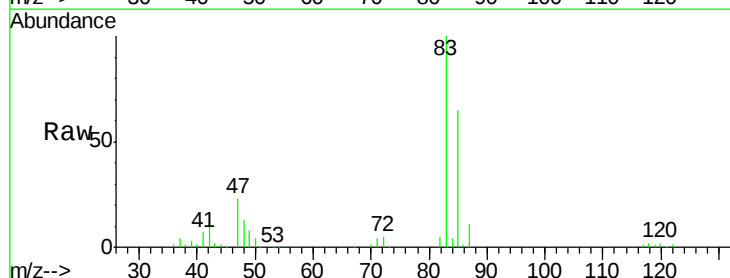
Acq: 12 Jul 2018 23:36

Tgt Ion: 83 Resp: 188023

Ion Ratio Lower Upper

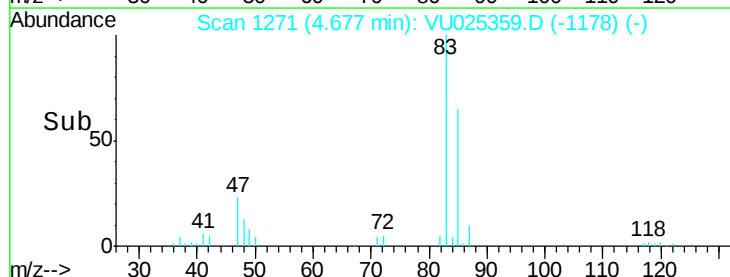
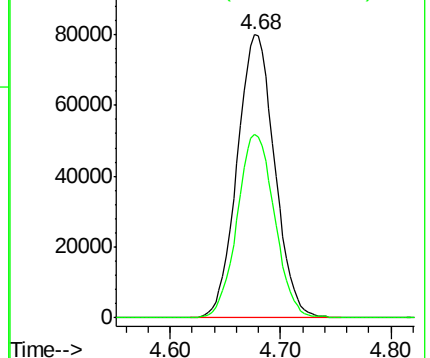
83 100

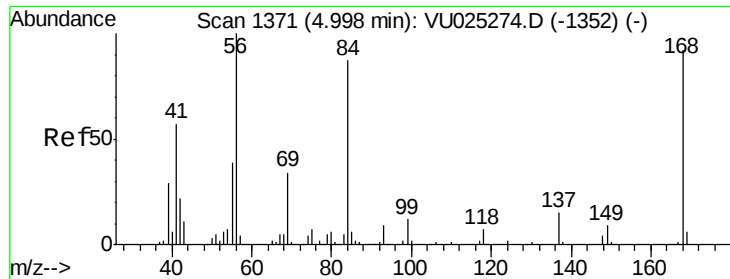
85 64.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

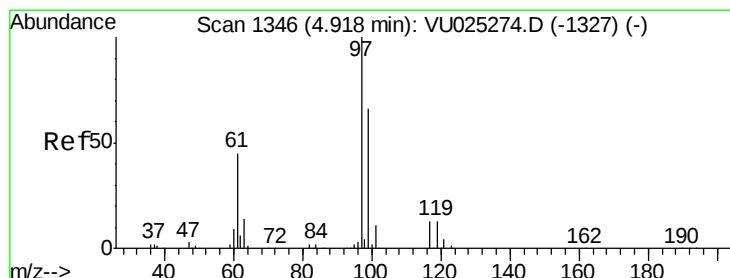
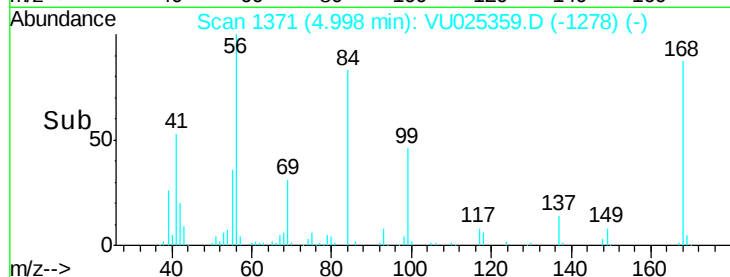
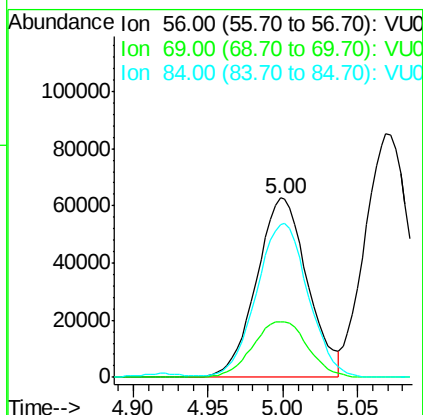
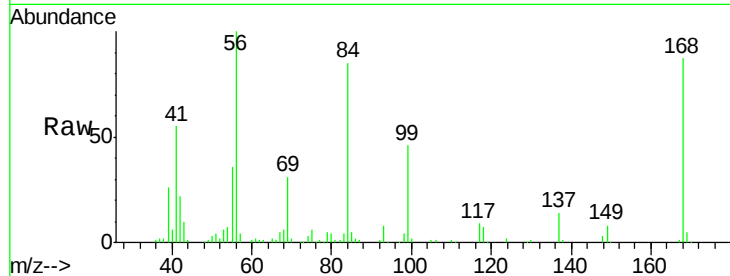




#31
Cyclohexane
Concen: 46.67 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

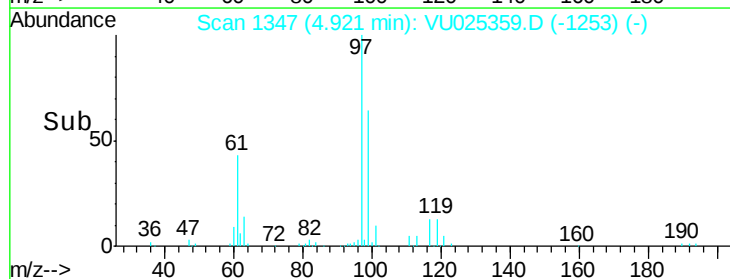
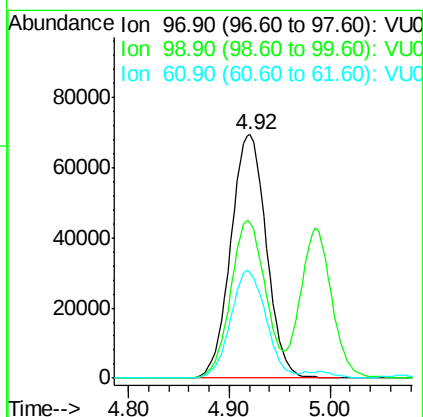
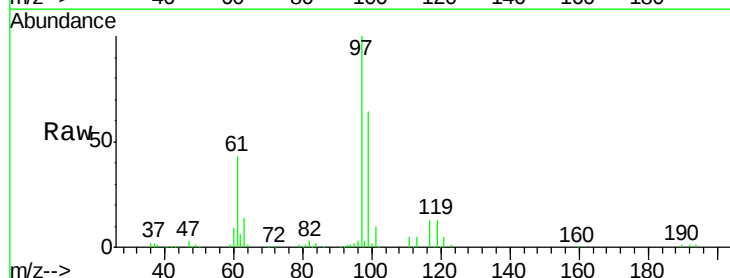
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

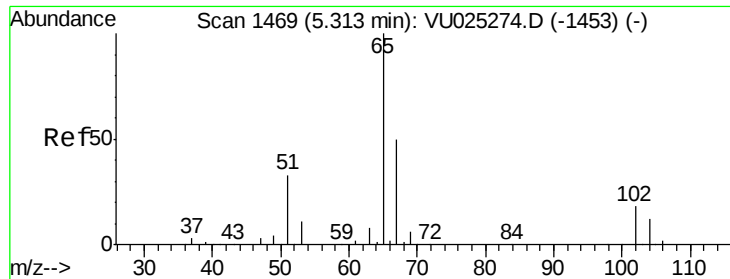
Tot Ion: 56 Resp: 148652
Ion Ratio Lower Upper
56 100
69 31.2 26.8 40.2
84 84.0 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 51.44 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 97 Resp: 169836
Ion Ratio Lower Upper
97 100
99 63.2 50.8 76.2
61 44.0 35.2 52.8

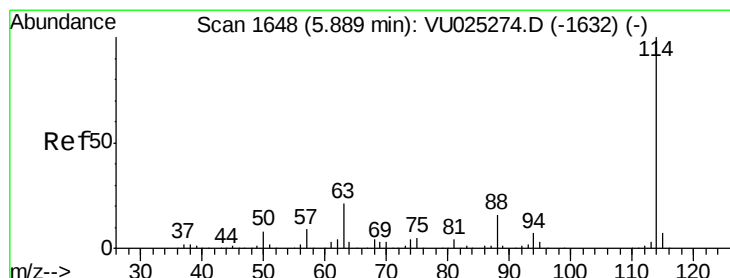
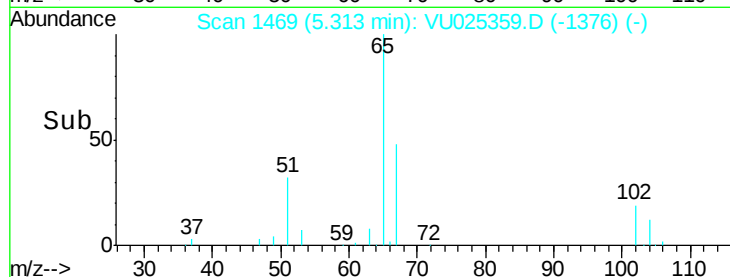
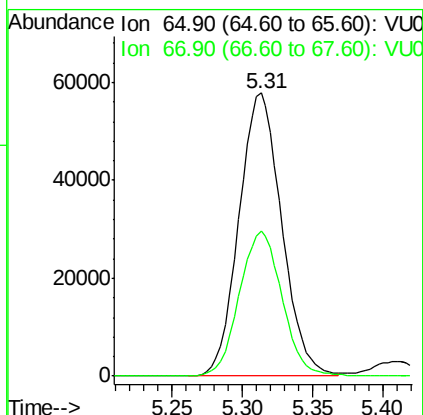
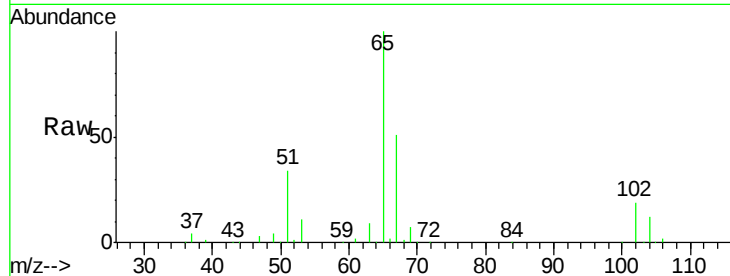




#33
 1,2-Dichloroethane-d4
 Concen: 48.63 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

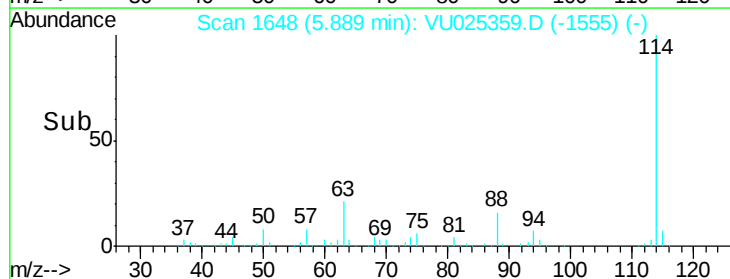
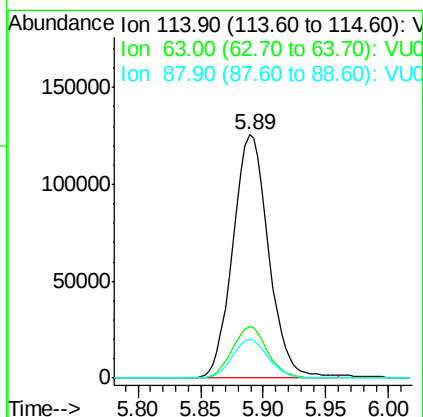
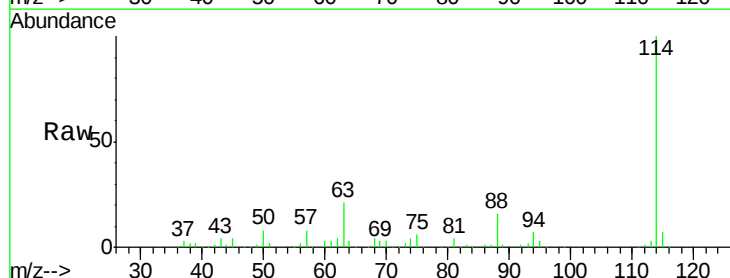
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

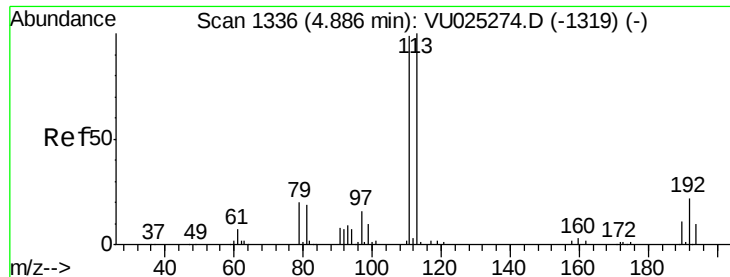
Tot Ion: 65 Resp: 122756
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 114 Resp: 249018
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.6
 88 16.0 0.0 32.4

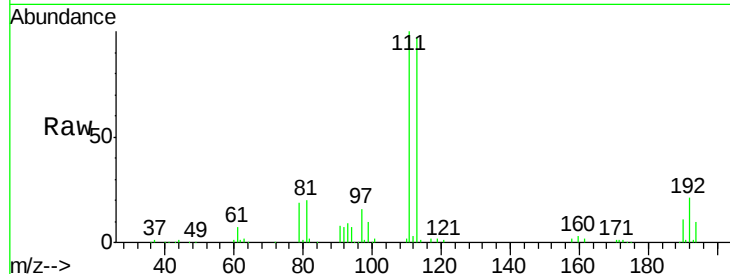




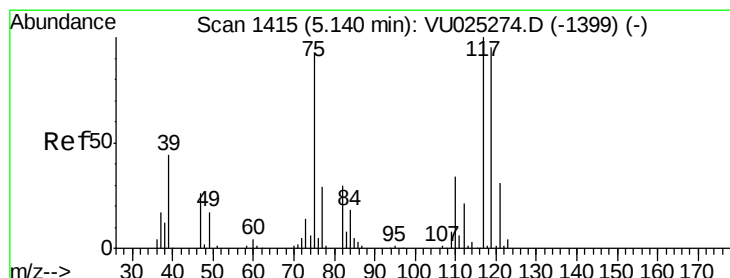
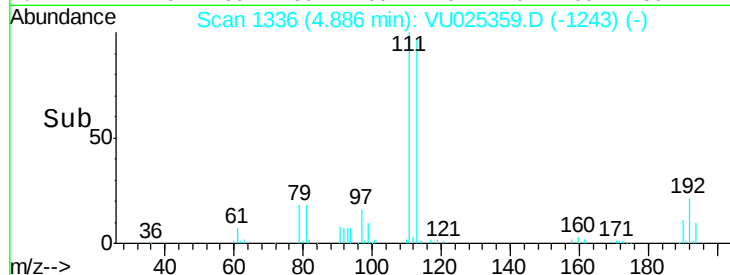
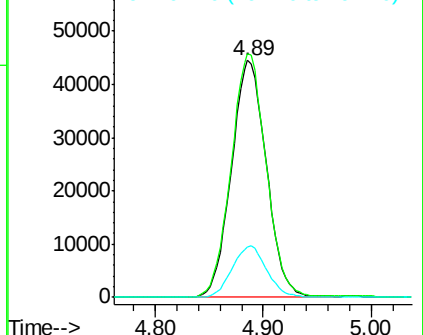
#35
 Dibromofluoromethane
 Concen: 47.84 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 100504
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 21.5 17.1 25.7

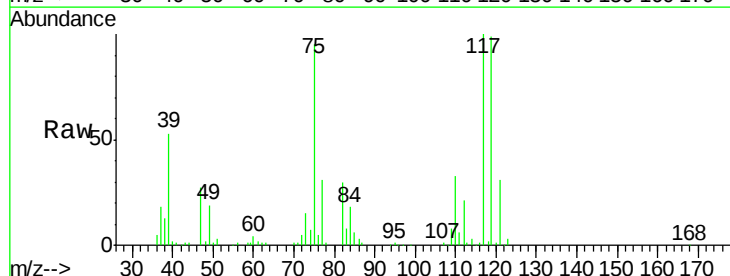


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

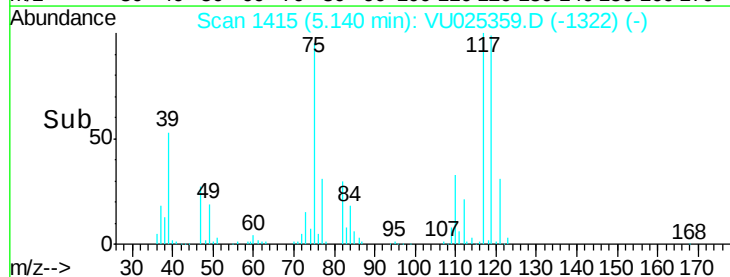
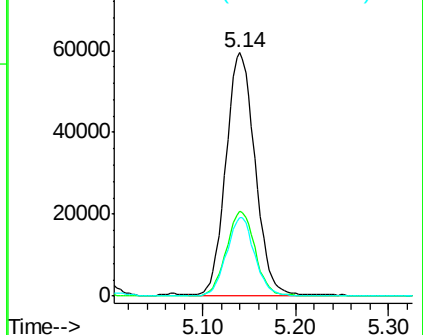


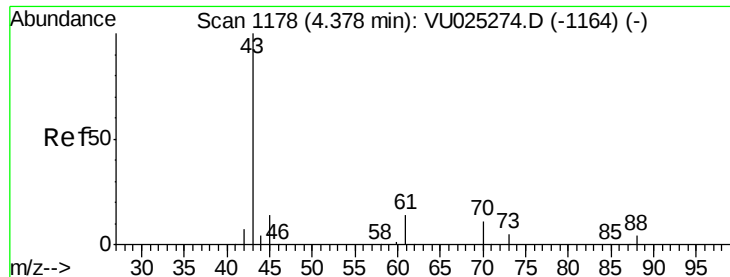
#36
 1,1-Dichloropropene
 Concen: 46.47 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 75 Resp: 128662
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.6 52.9
 77 31.0 24.4 36.6



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

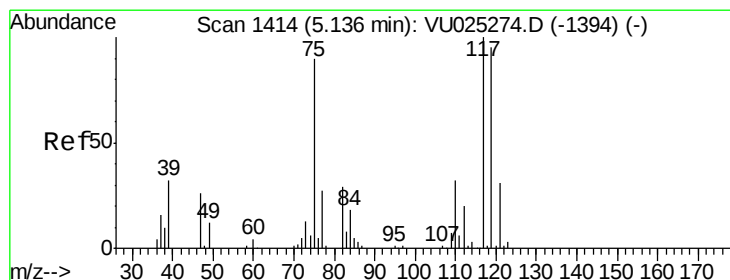
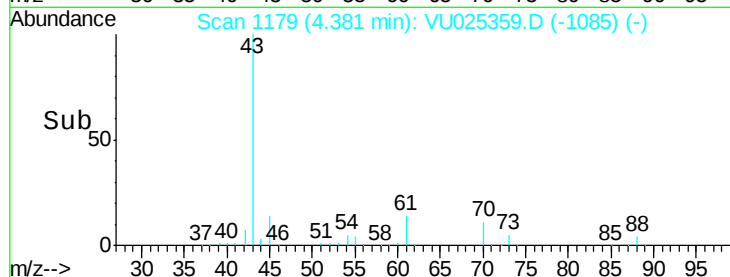
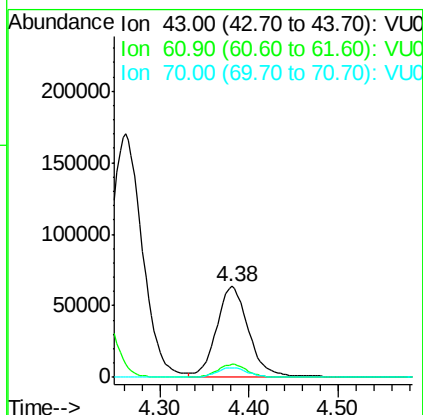
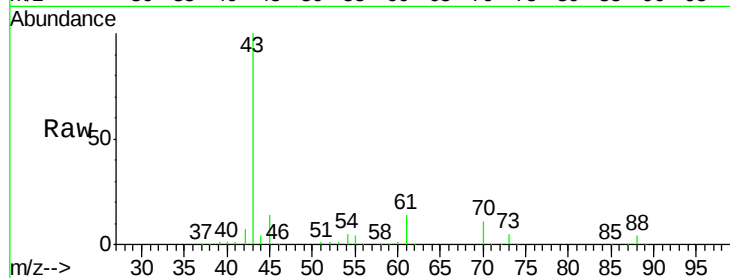




#37
Ethyl Acetate
Concen: 50.44 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

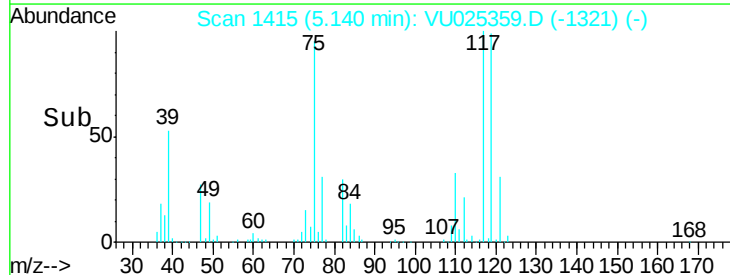
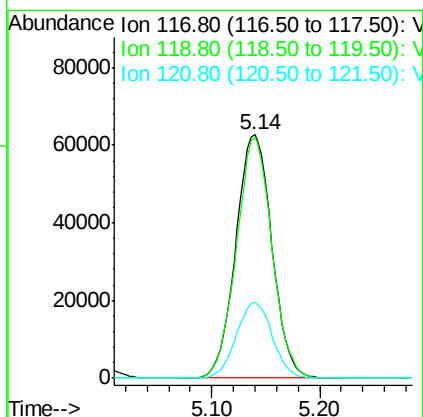
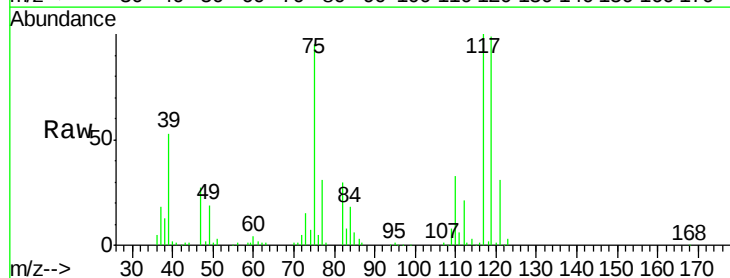
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

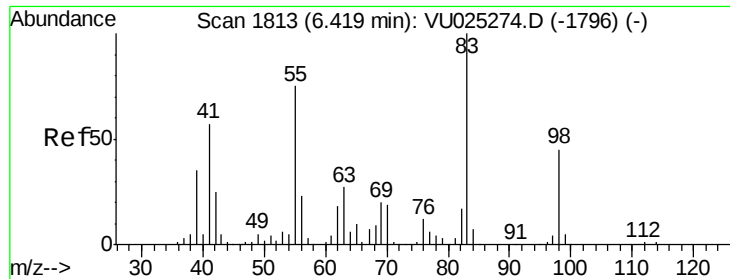
Tot Ion: 43 Resp: 155743
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.97 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 117 Resp: 145929
Ion Ratio Lower Upper
117 100
119 99.0 75.7 113.5
121 31.1 24.6 36.8

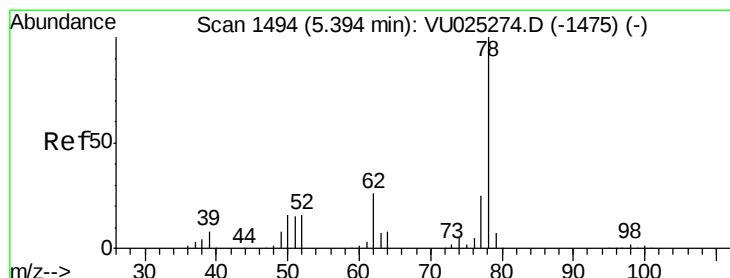
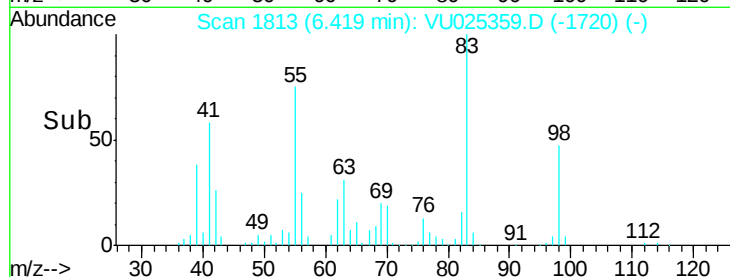
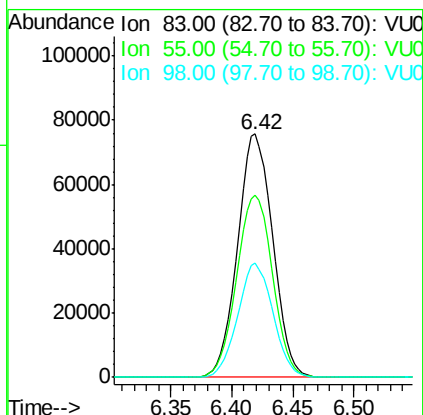
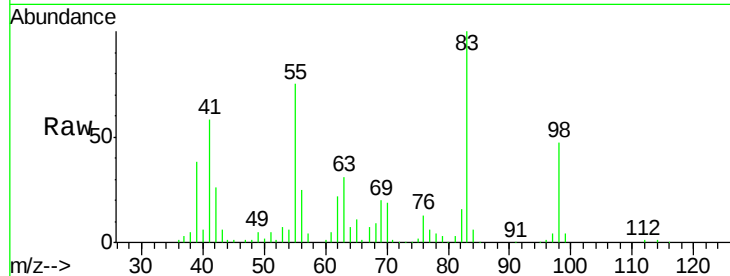




#39
Methvlcvclohexane
Concen: 43.76 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

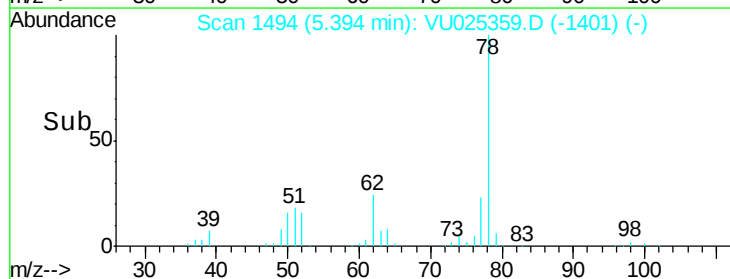
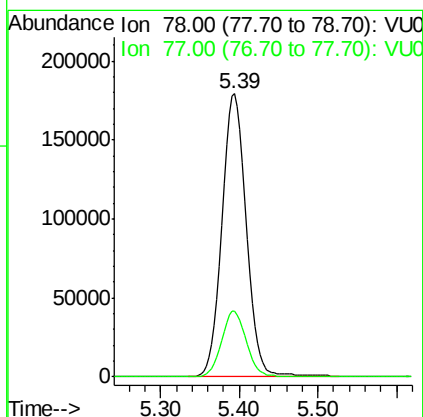
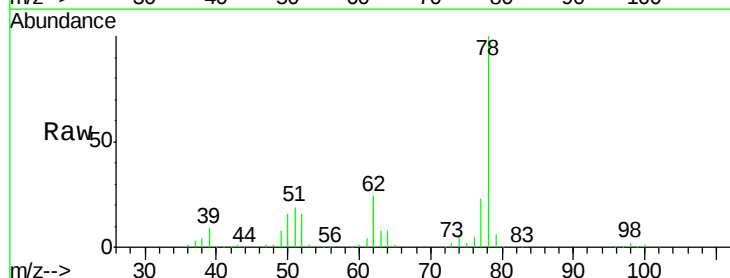
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

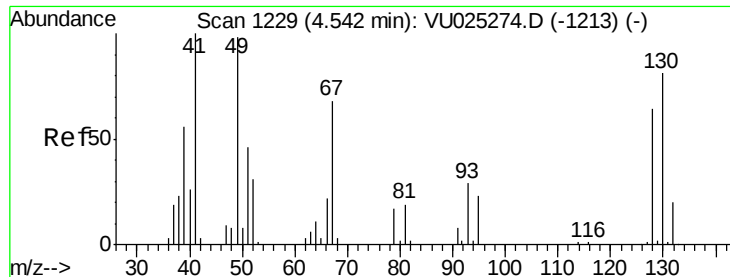
Tot Ion: 83 Resp: 151105
Ion Ratio Lower Upper
83 100
55 74.9 60.0 90.0
98 46.8 36.1 54.1



#40
Benzene
Concen: 48.11 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 78 Resp: 383857
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.6

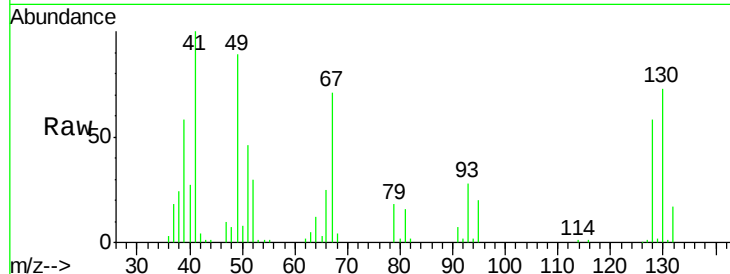




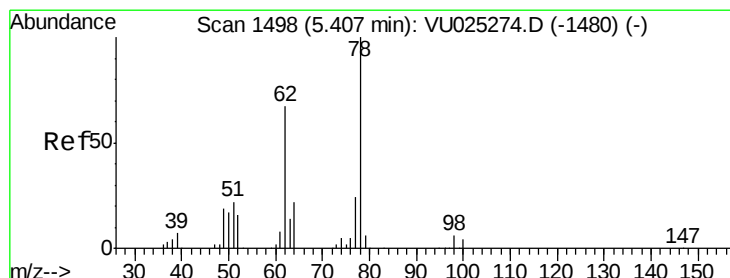
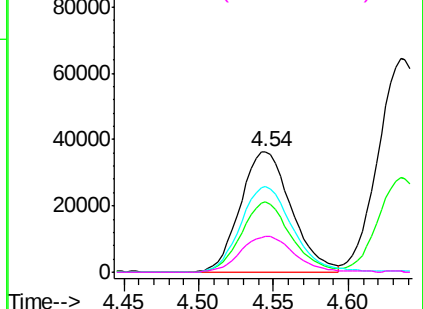
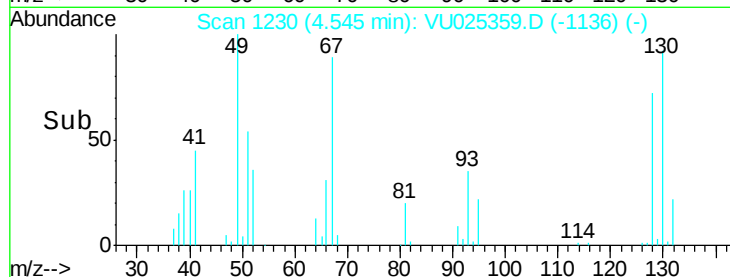
#41
Methacrylonitrile
Concen: 50.53 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	86494
Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.4	66.6
67	73.2	56.0	84.0
52	31.1	24.6	36.8

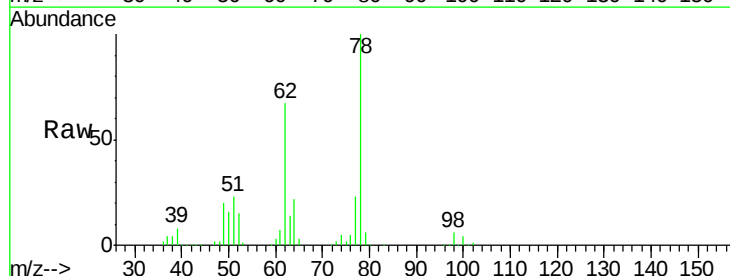


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

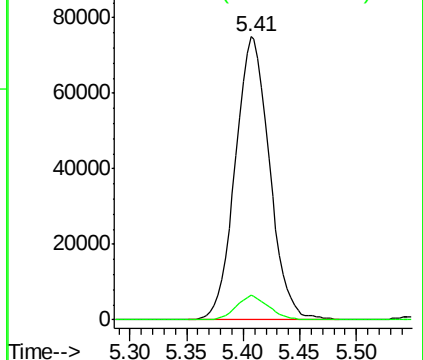
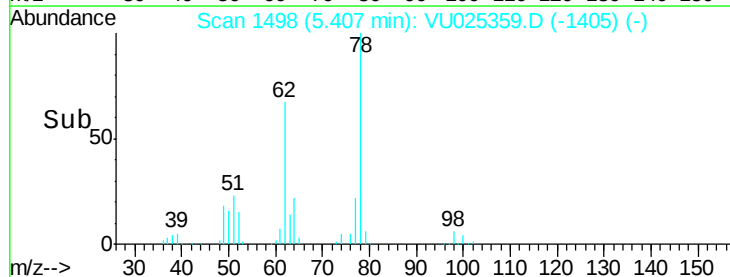


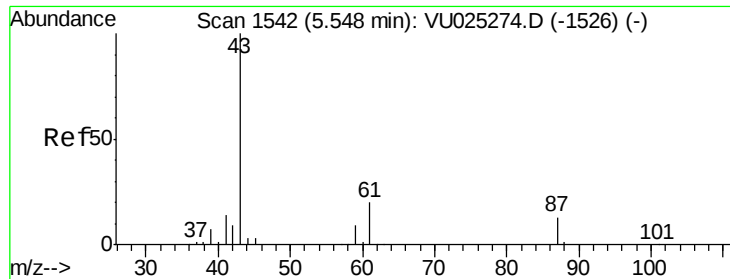
#42
1,2-Dichloroethane
Concen: 49.93 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:	62	Resp:	158338
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

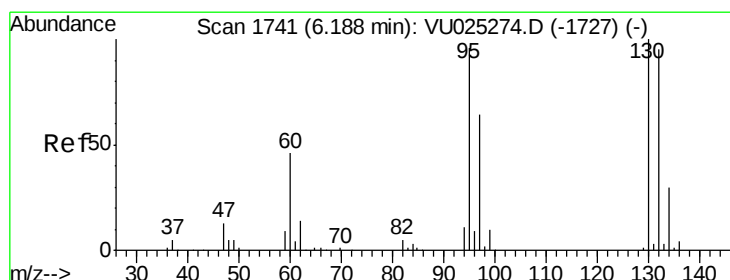
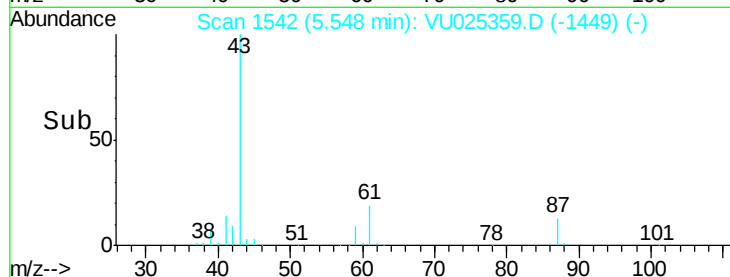
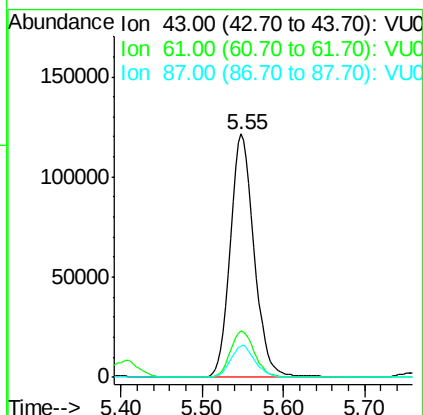
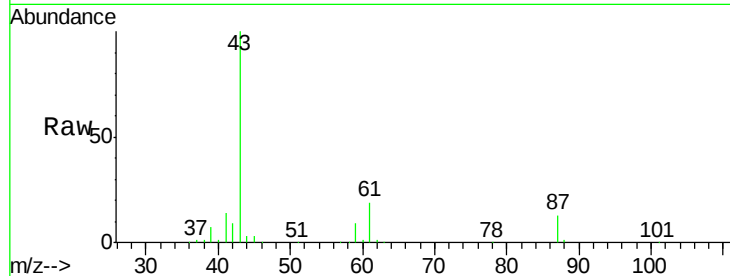




#43
Isopropyl Acetate
Concen: 50.27 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

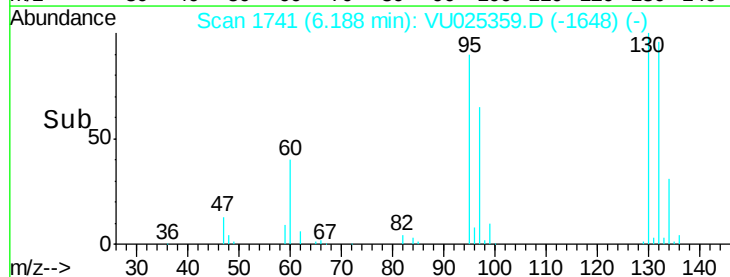
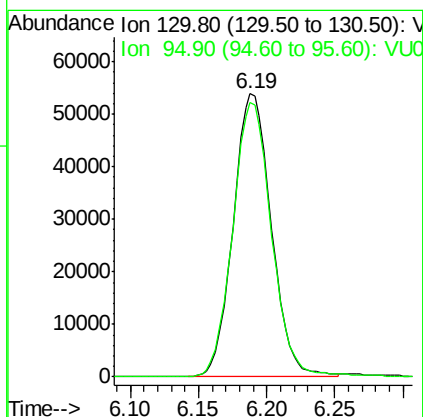
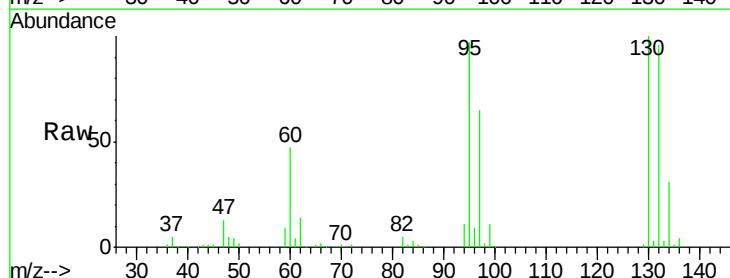
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

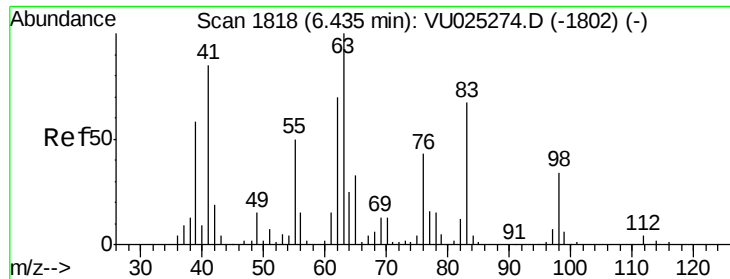
Tot Ion: 43 Resp: 248529
Ion Ratio Lower Upper
43 100
61 19.5 15.5 23.3
87 13.3 10.6 16.0



#44
Trichloroethene
Concen: 45.61 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:130 Resp: 104484
Ion Ratio Lower Upper
130 100
95 96.9 0.0 192.2





#45

1,2-Dichloropropane

Concen: 50.89 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

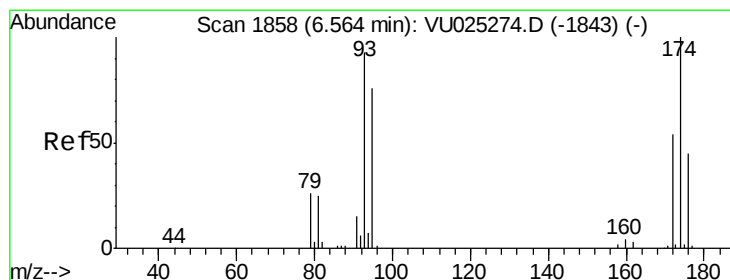
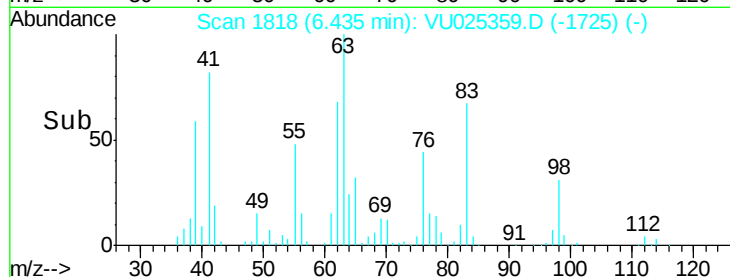
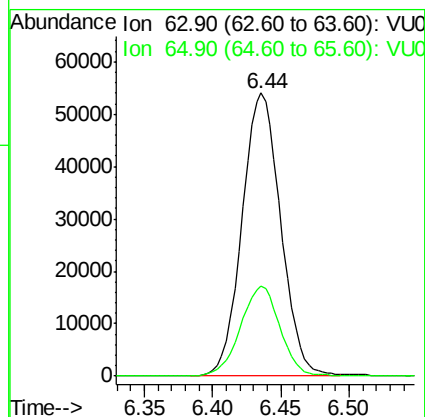
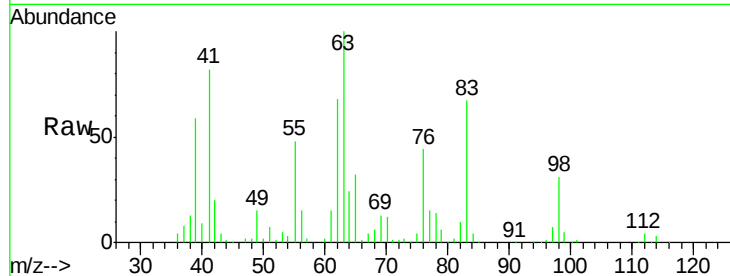
VSTDCCC050

Tot Ion: 63 Resp: 106346

Ion Ratio Lower Upper

63 100

65 31.9 26.1 39.1



#46

Dibromomethane

Concen: 48.89 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

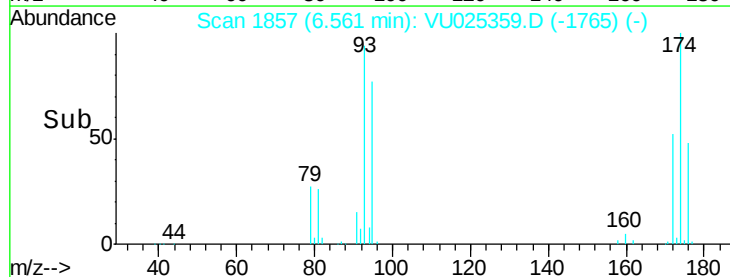
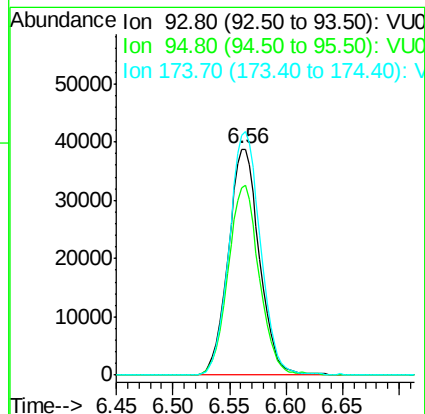
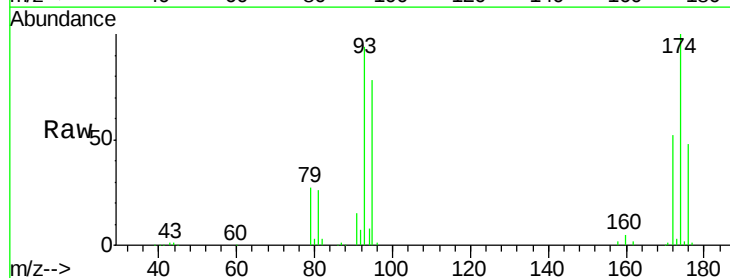
Tgt Ion: 93 Resp: 74351

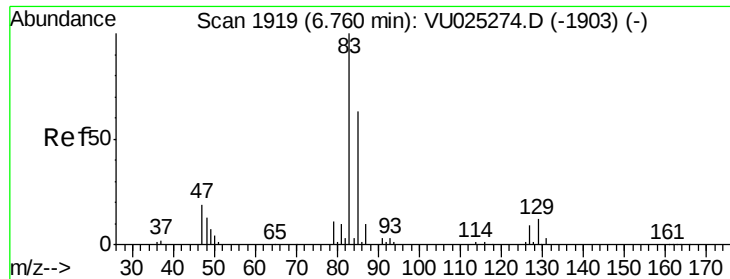
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 107.5 85.8 128.8





#47

Bromodichloromethane

Concen: 50.55 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

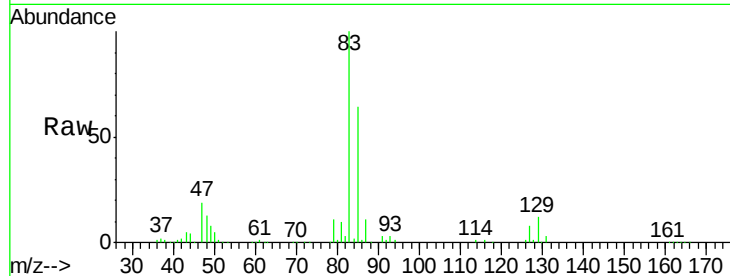
Tot Ion: 83 Resp: 142796

Ion Ratio Lower Upper

83 100

85 63.9 50.2 75.4

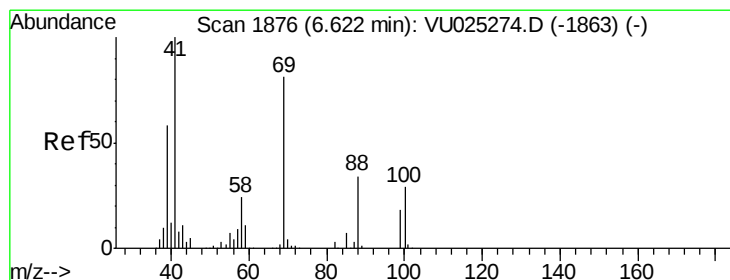
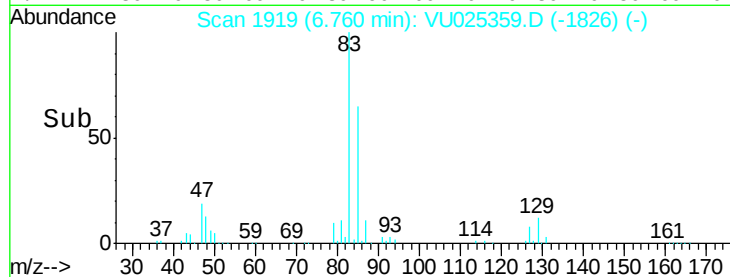
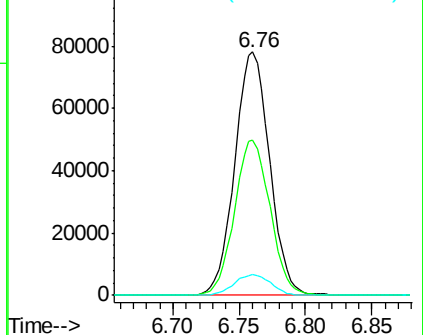
127 8.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025359.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025359.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025359.D (-1826) (-)



#48

Methyl methacrylate

Concen: 51.08 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

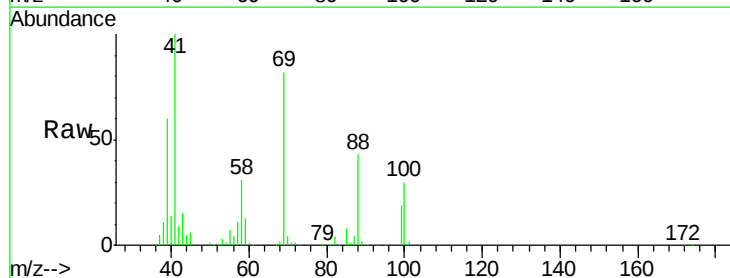
Tgt Ion: 41 Resp: 125909

Ion Ratio Lower Upper

41 100

69 82.5 65.0 97.4

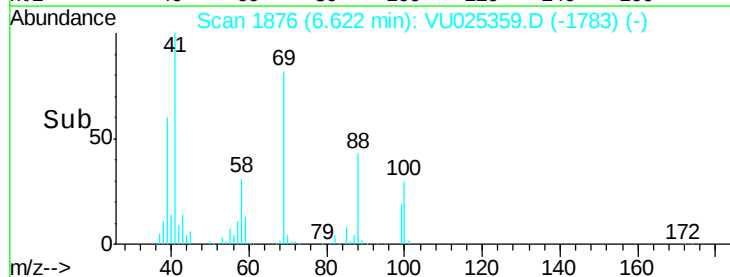
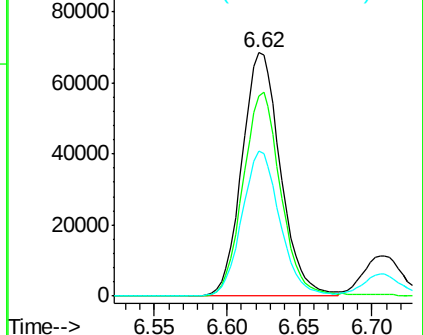
39 59.0 46.4 69.6

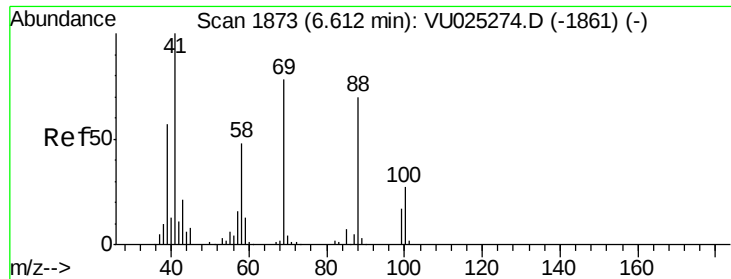


Abundance Ion 41.00 (40.70 to 41.70): VU025359.D (-1783) (-)

Ion 69.00 (68.70 to 69.70): VU025359.D (-1783) (-)

Ion 39.00 (38.70 to 39.70): VU025359.D (-1783) (-)

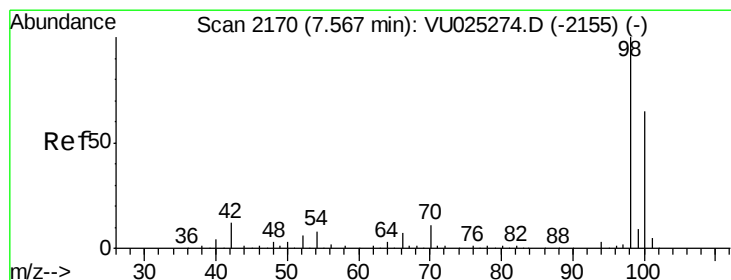
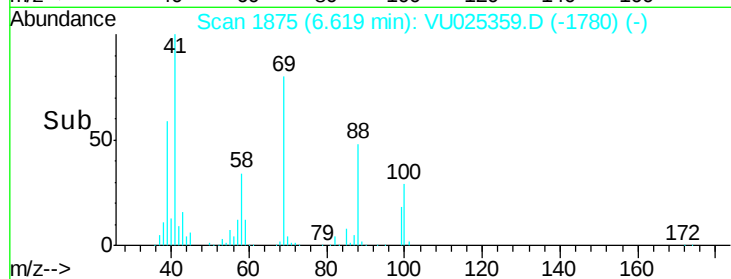
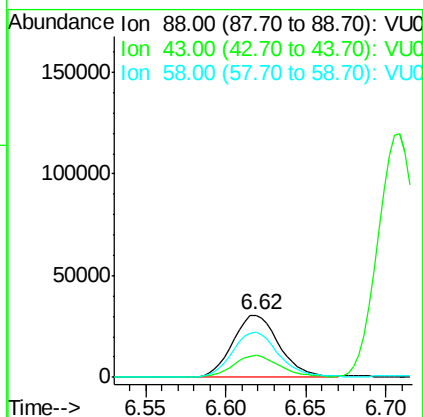
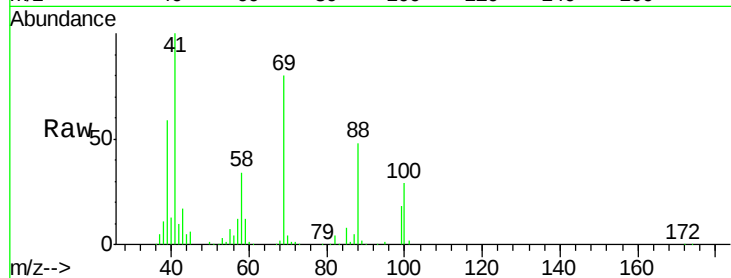




#49
1,4-Dioxane
Concen: 1021.85 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

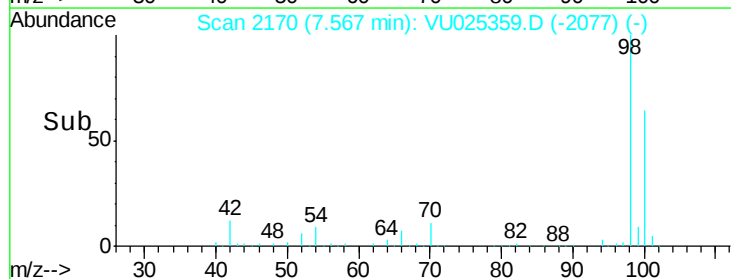
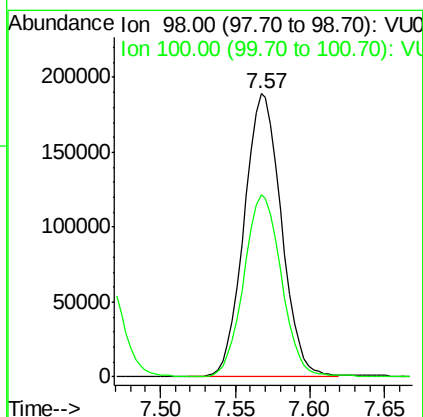
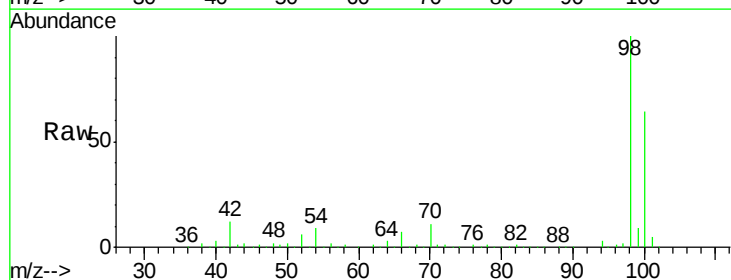
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

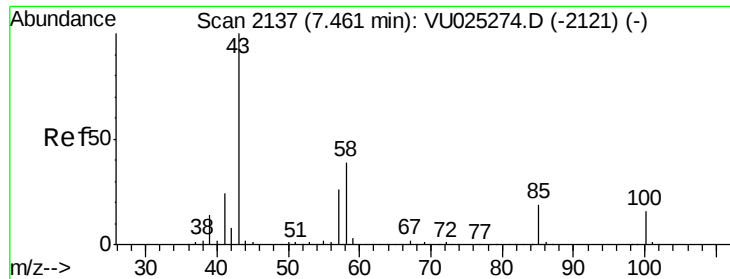
Tot Ion: 88 Resp: 60604
Ion Ratio Lower Upper
88 100
43 33.6 27.3 40.9
58 73.1 57.6 86.4



#50
Toluene-d8
Concen: 45.63 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 98 Resp: 328261
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 255.33 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

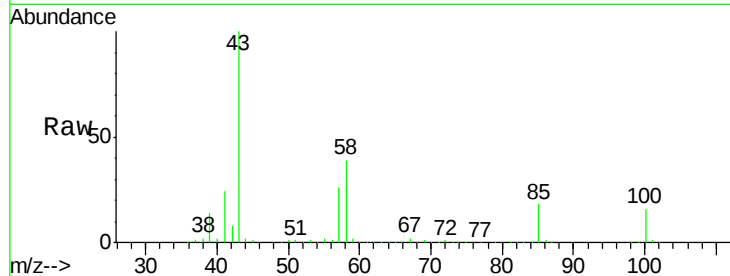
VSTDCCC050

Tot Ion: 43 Resp: 820516

Ion Ratio Lower Upper

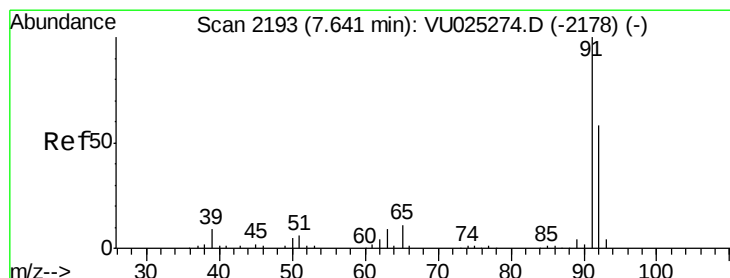
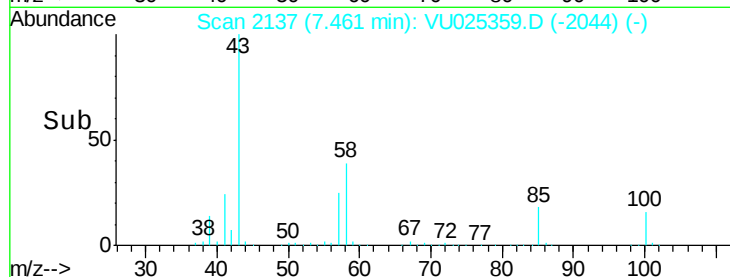
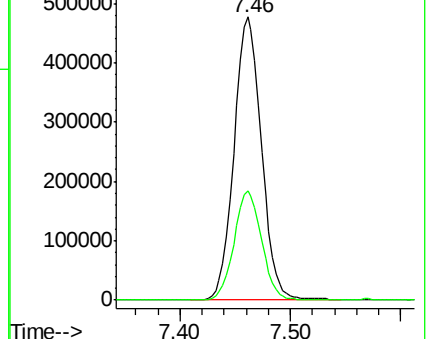
43 100

58 38.7 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.71 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025359.D

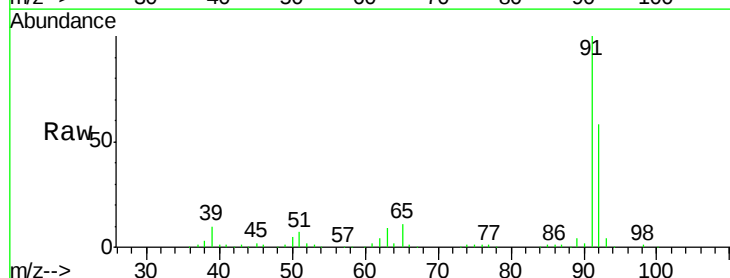
Acq: 12 Jul 2018 23:36

Tgt Ion: 92 Resp: 247224

Ion Ratio Lower Upper

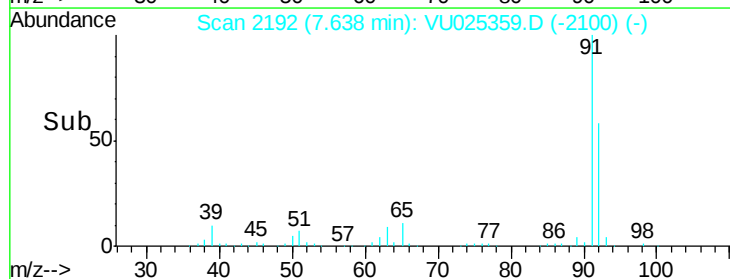
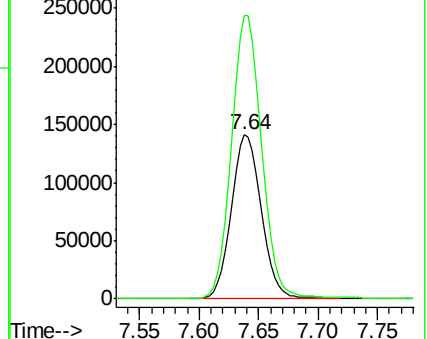
92 100

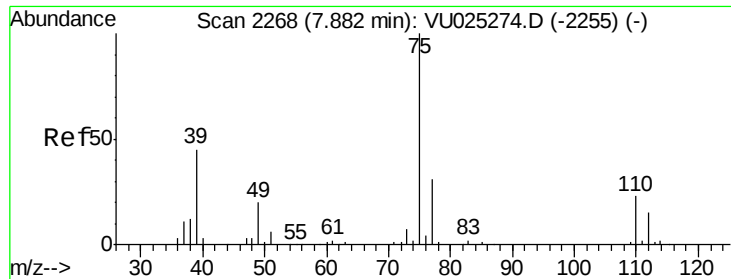
91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

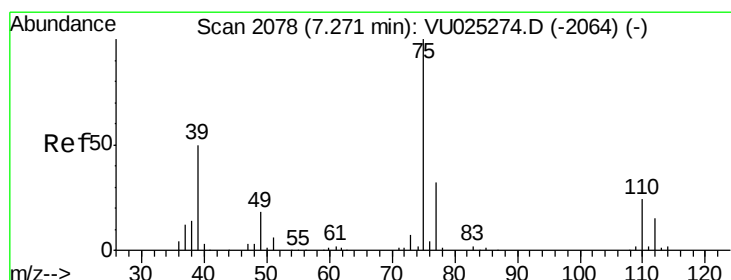
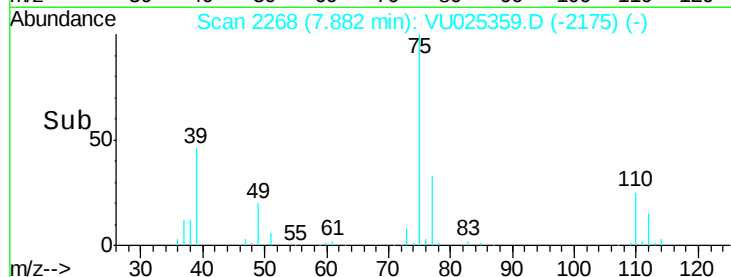
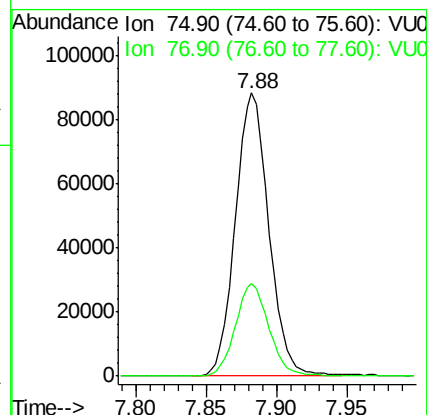
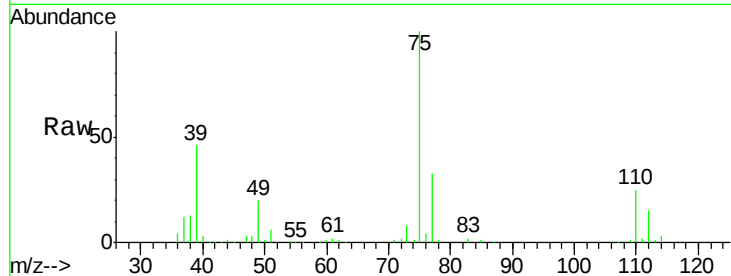




#53
t-1,3-Dichloropropene
Concen: 47.36 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

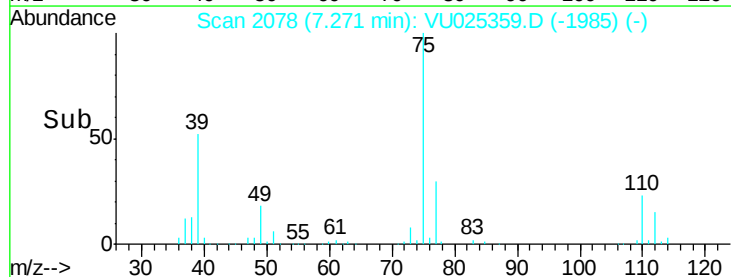
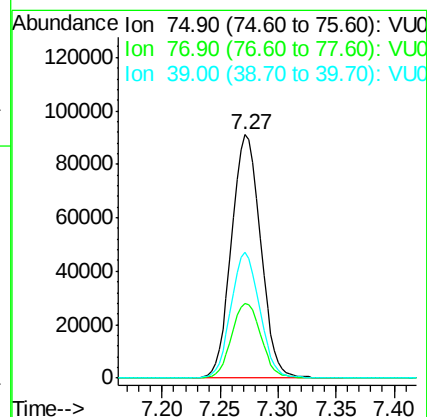
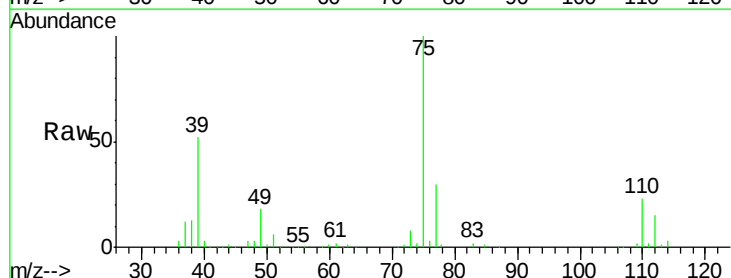
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

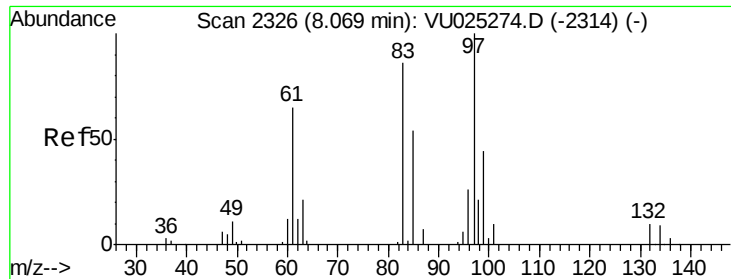
Tot Ion: 75 Resp: 146995
Ion Ratio Lower Upper
75 100
77 32.6 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 48.17 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 75 Resp: 159117
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4
39 51.4 40.0 60.0

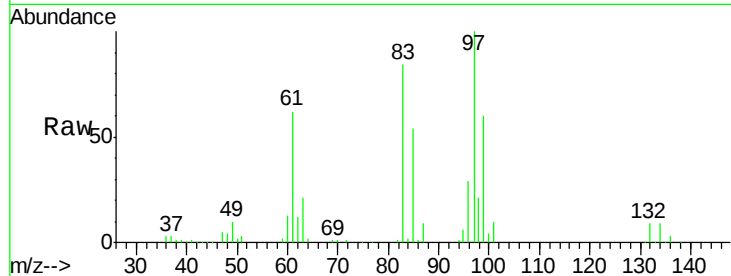




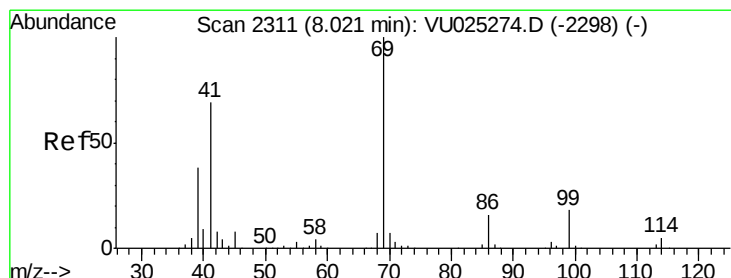
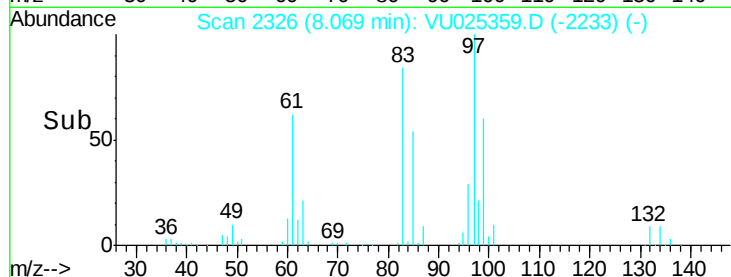
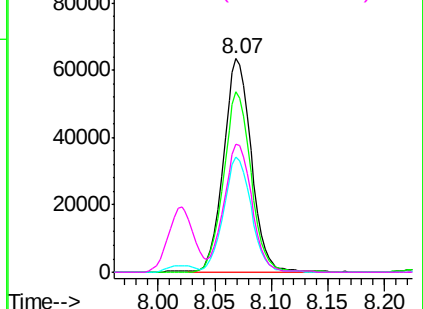
#55
 1,1,2-Trichloroethane
 Concen: 50.84 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 107470
 Ion Ratio Lower Upper
 97 100
 83 84.4 68.9 103.3
 85 53.9 44.4 66.6
 99 60.1 51.0 76.4

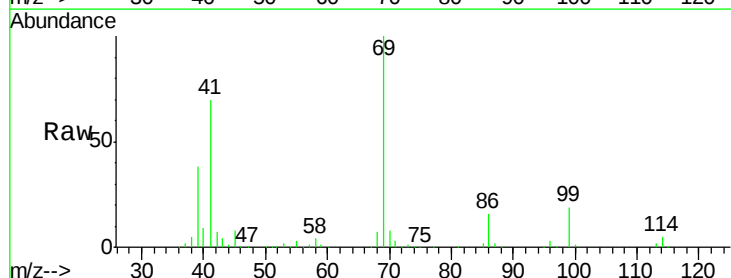


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

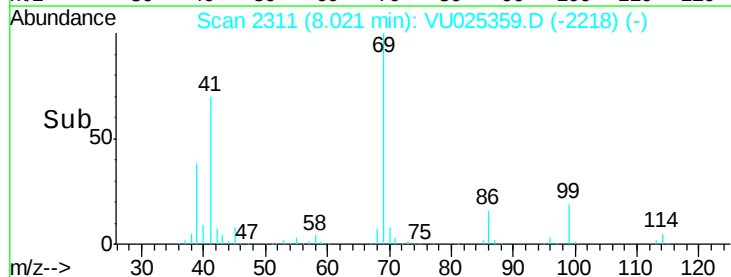
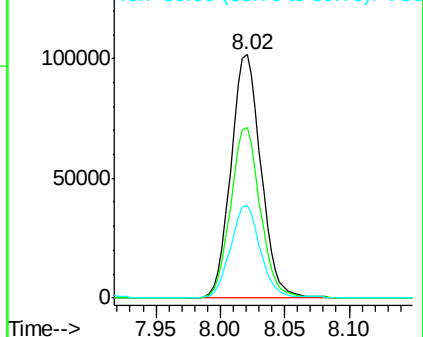


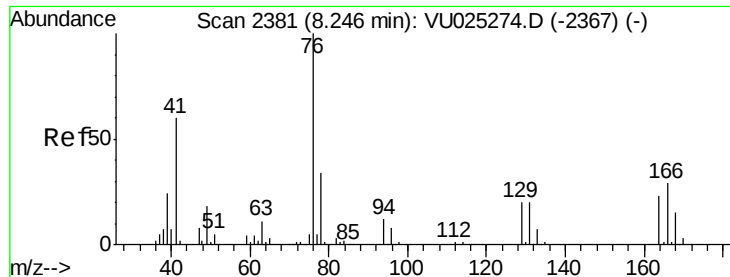
#56
 Ethyl methacrylate
 Concen: 49.95 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 69 Resp: 164931
 Ion Ratio Lower Upper
 69 100
 41 69.4 54.8 82.2
 39 37.3 31.1 46.7



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

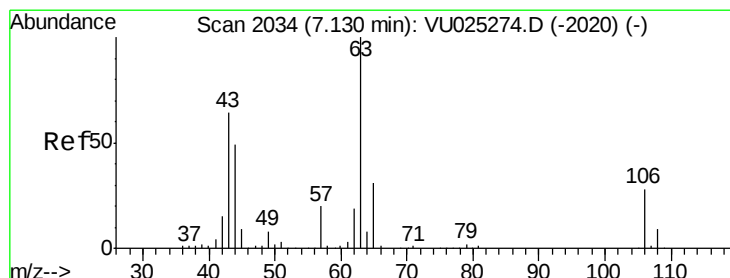
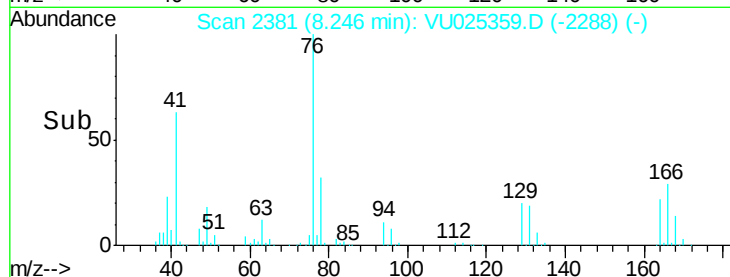
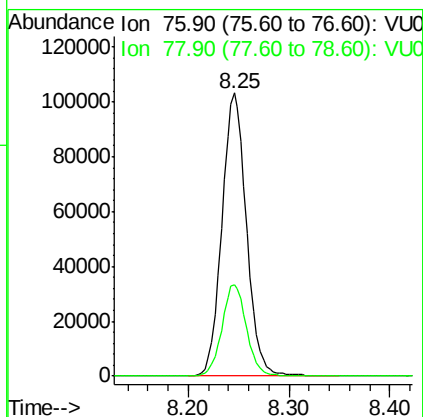
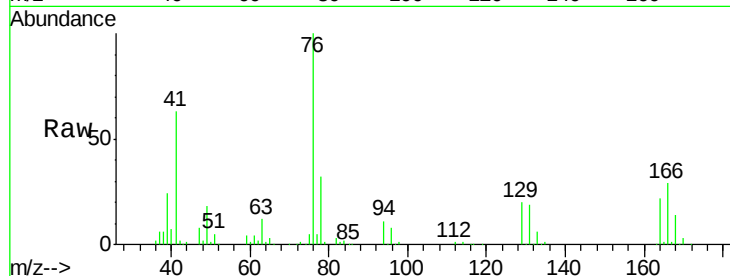




#57
 1,3-Dichloropropane
 Concen: 50.06 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

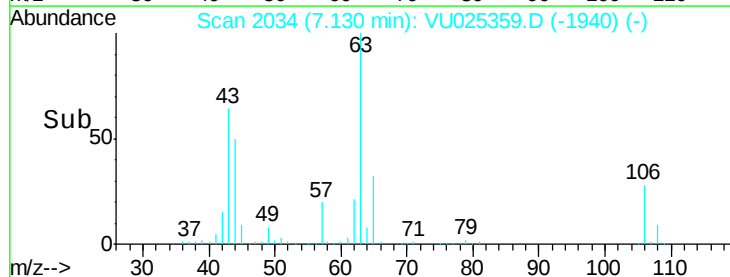
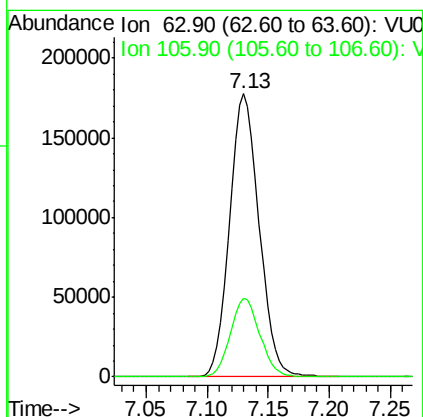
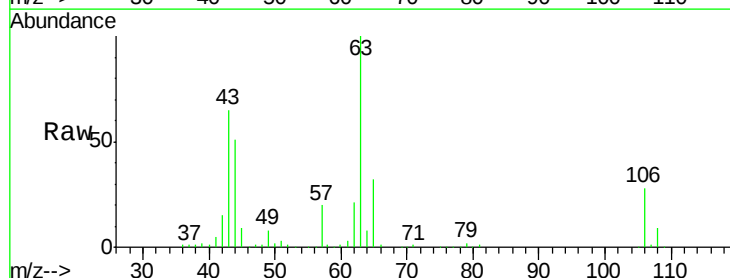
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

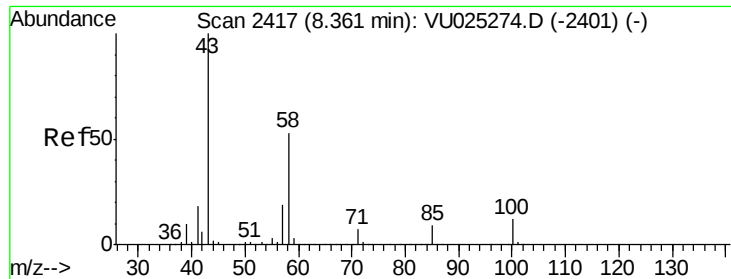
Tot Ion: 76 Resp: 175657
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 203.36 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 63 Resp: 300833
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.3 33.5

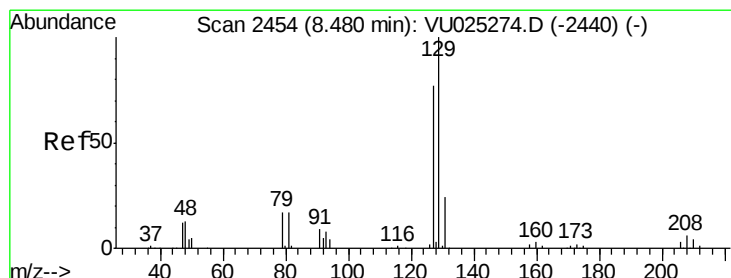
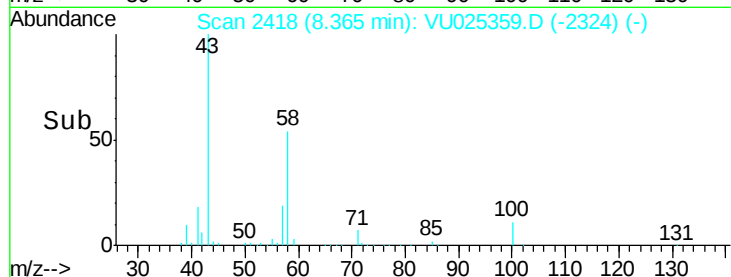
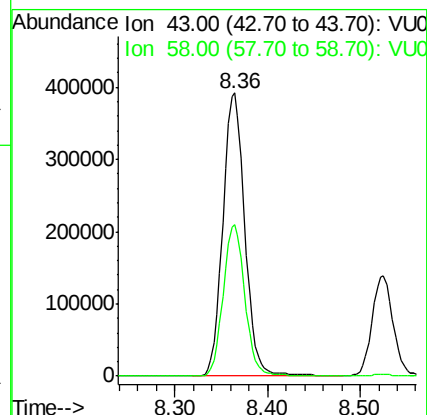
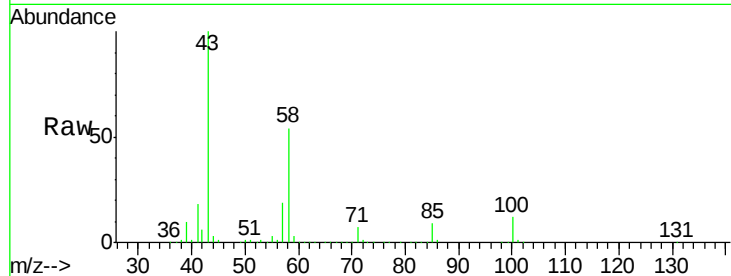




#59
2-Hexanone
Concen: 247.18 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

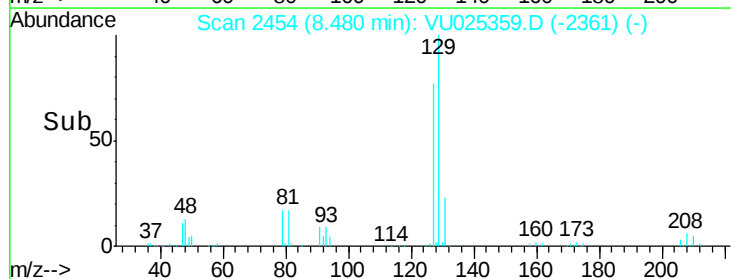
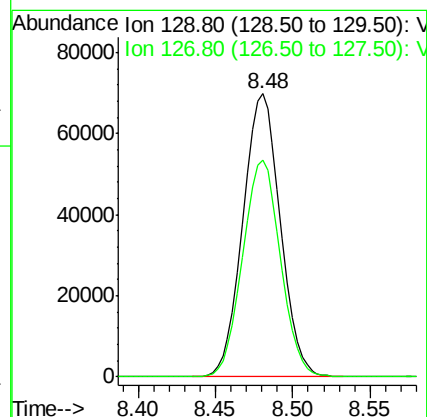
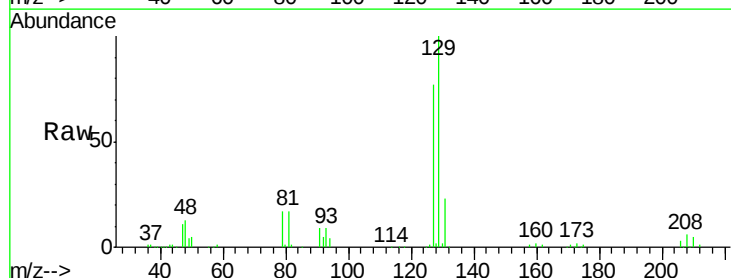
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

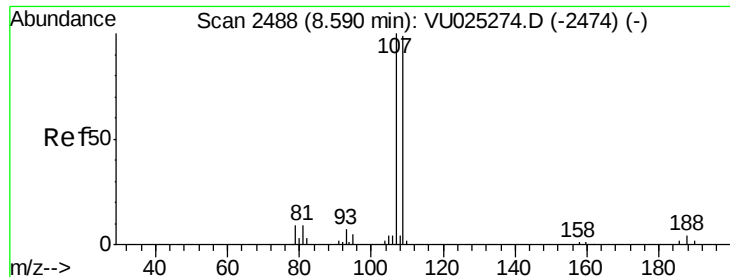
Tot Ion: 43 Resp: 644287
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.5



#60
Dibromochloromethane
Concen: 51.51 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 129 Resp: 117605
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.81 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

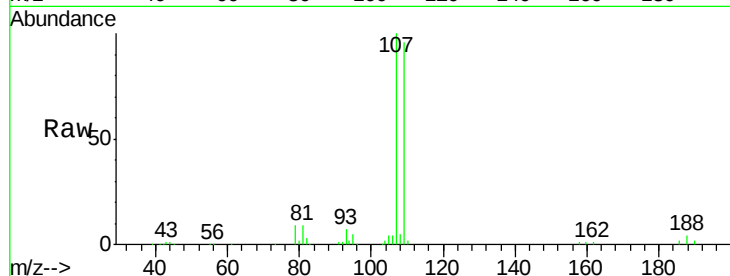
VSTDCCC050

Tot Ion:107 Resp: 114926

Ion Ratio Lower Upper

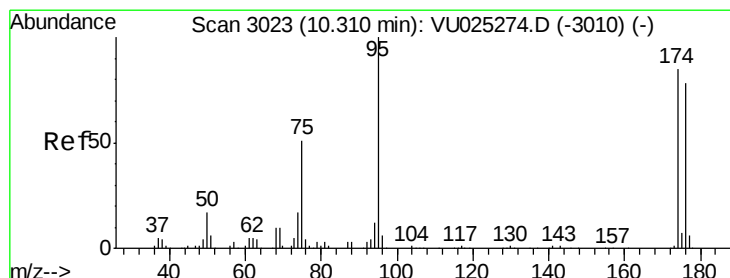
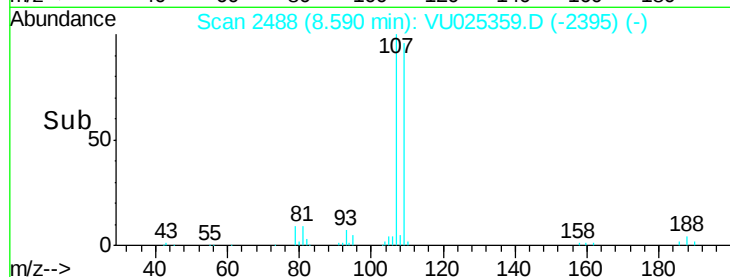
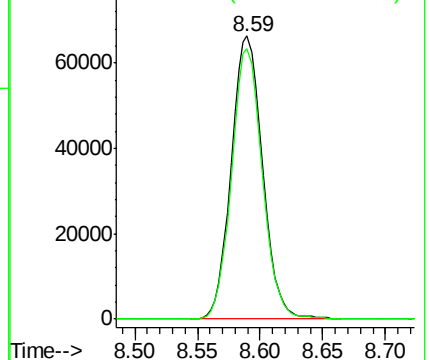
107 100

109 94.1 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

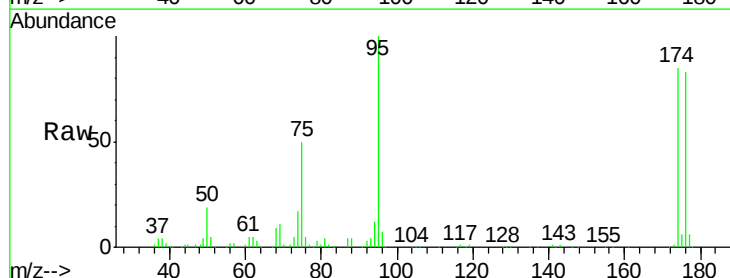
Tgt Ion: 95 Resp: 137109

Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

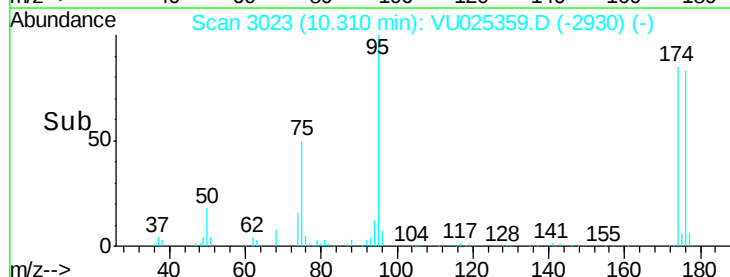
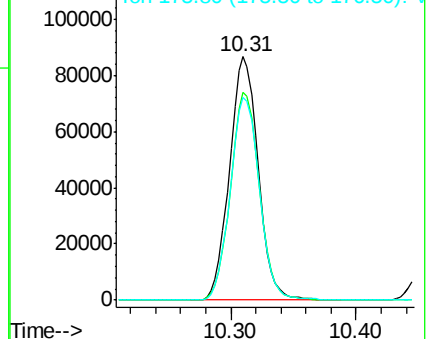
176 84.8 0.0 162.6

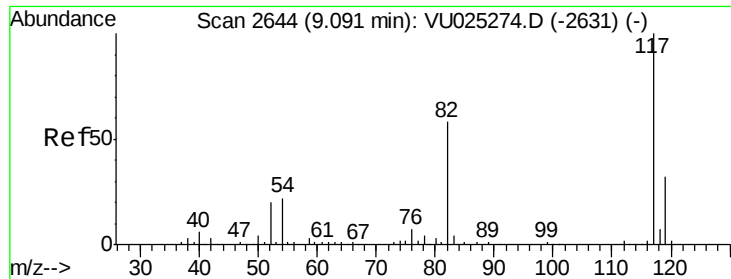


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

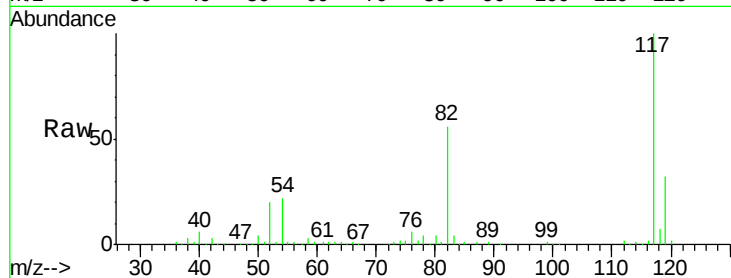




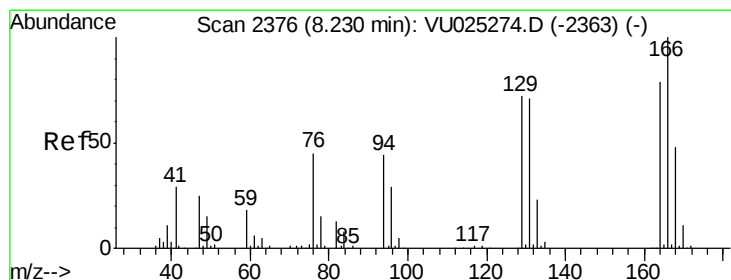
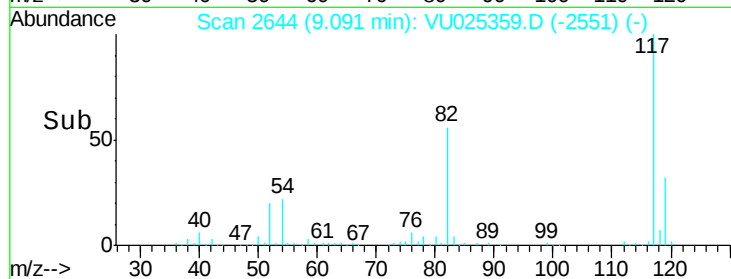
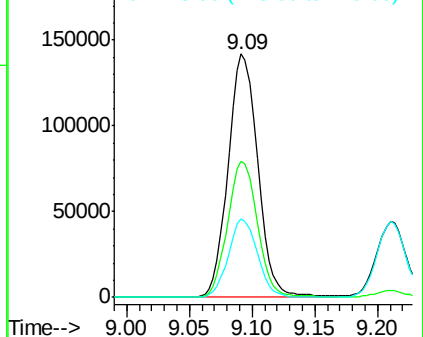
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 233911
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 32.4 26.0 39.0

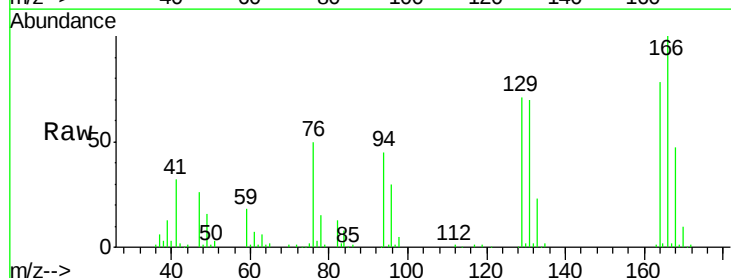


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

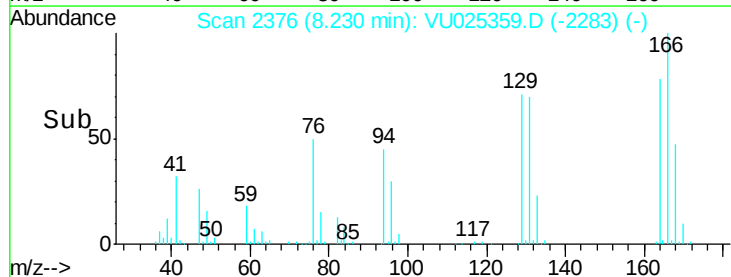
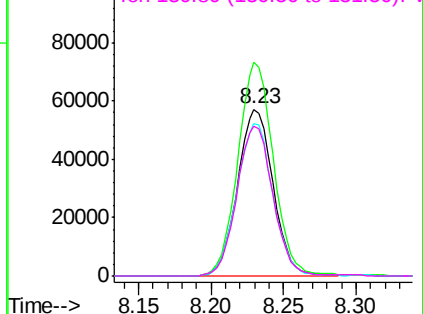


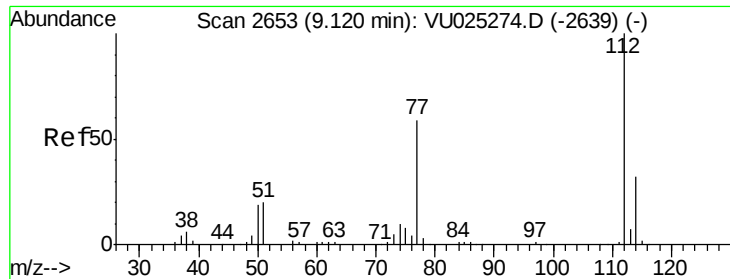
#64
Tetrachloroethene
Concen: 45.66 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:164 Resp: 97364
Ion Ratio Lower Upper
164 100
166 128.3 101.1 151.7
129 91.6 73.0 109.6
131 90.2 72.1 108.1



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

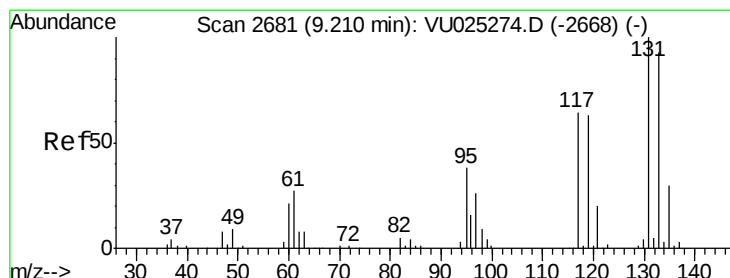
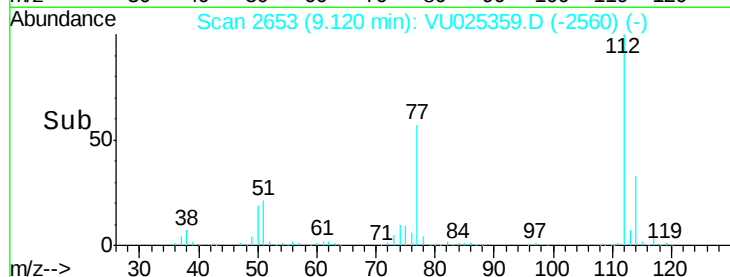
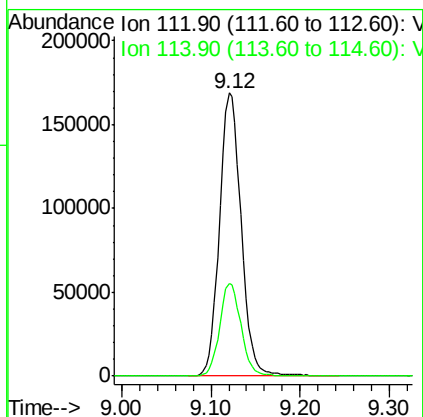
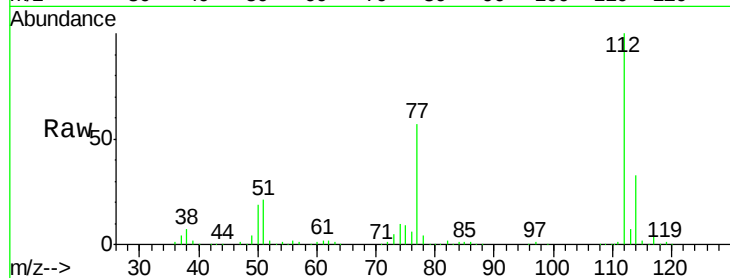




#65
Chlorobenzene
Concen: 48.79 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

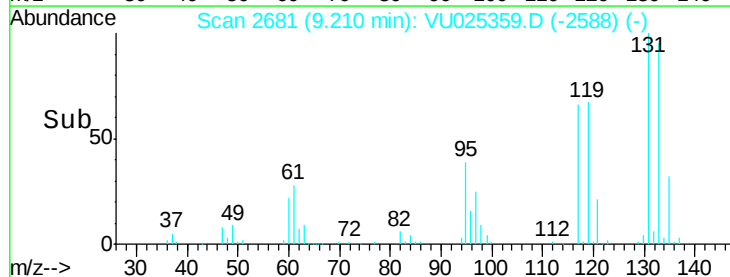
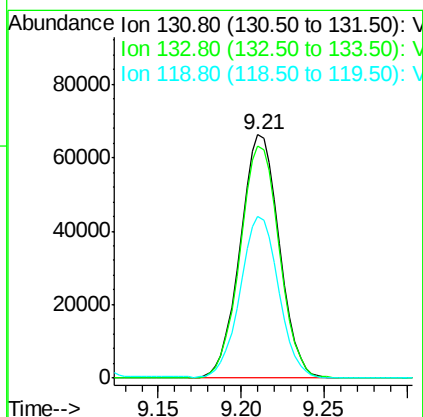
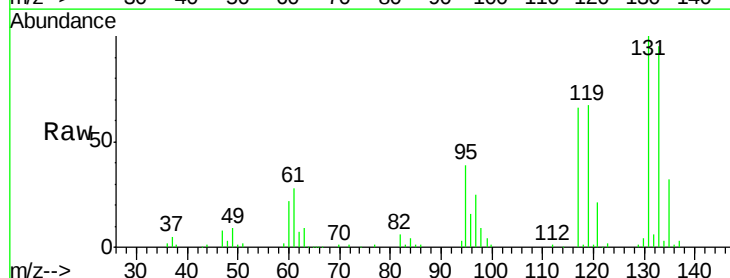
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

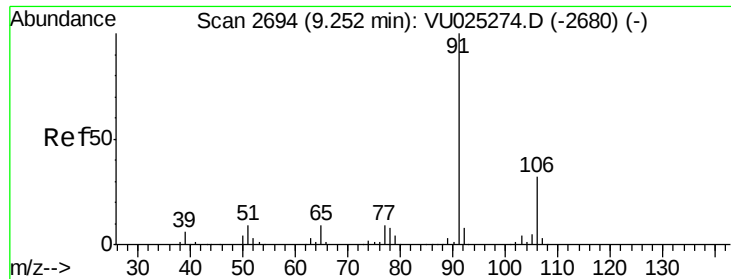
Tot Ion:112 Resp: 285072
Ion Ratio Lower Upper
112 100
114 32.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.15 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:131 Resp: 108998
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 65.4 31.6 95.0

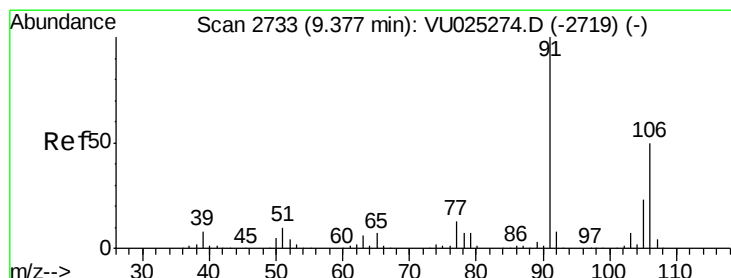
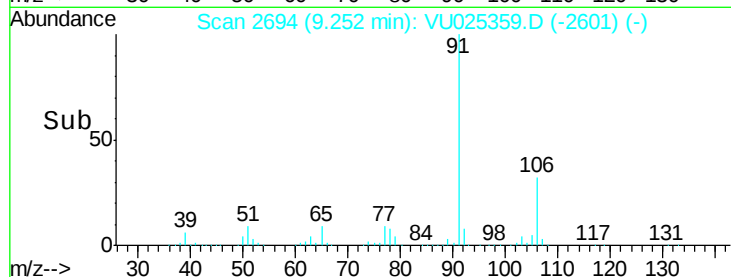
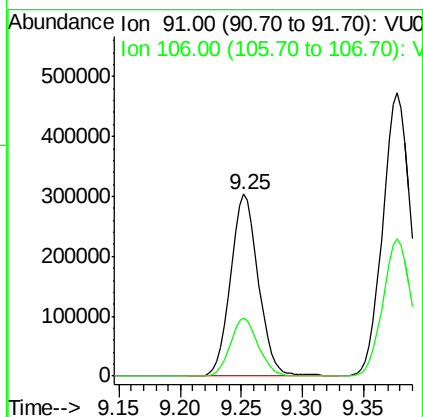
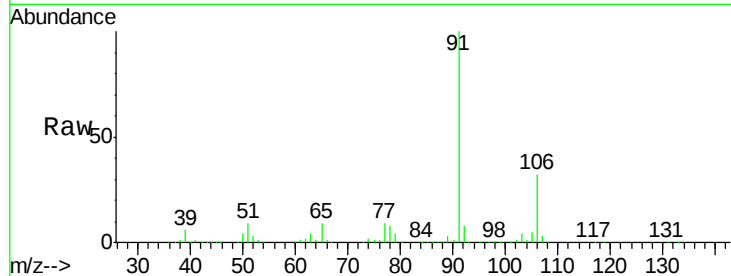




#67
Ethyl Benzene
Concen: 48.68 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

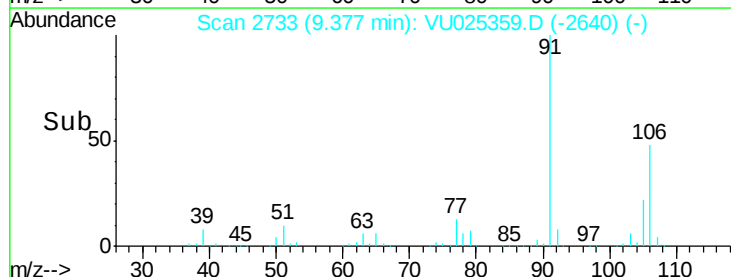
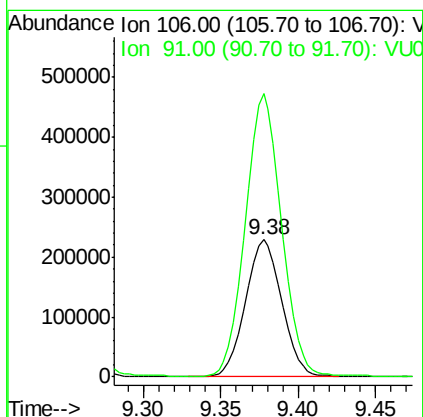
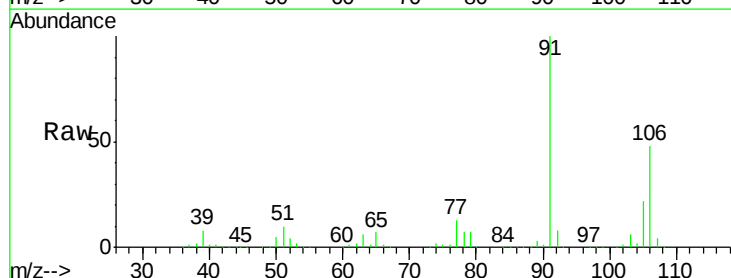
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 484972
Ion Ratio Lower Upper
91 100
106 32.0 25.3 37.9



#68
m/p-Xylenes
Concen: 96.67 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 106 Resp: 372323
Ion Ratio Lower Upper
106 100
91 208.2 162.3 243.5

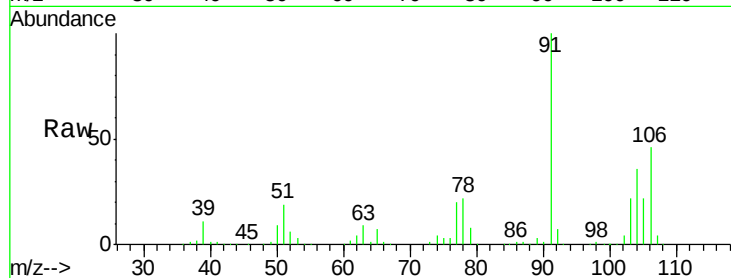




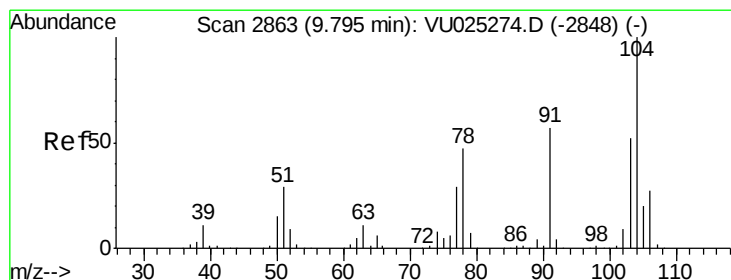
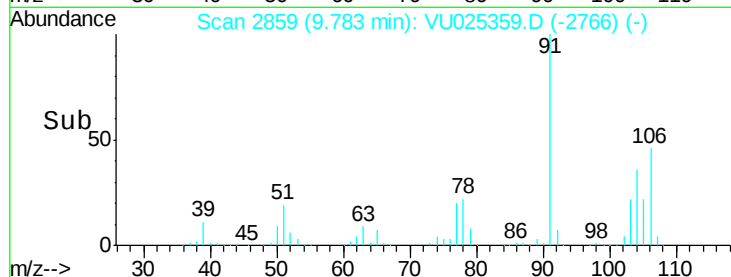
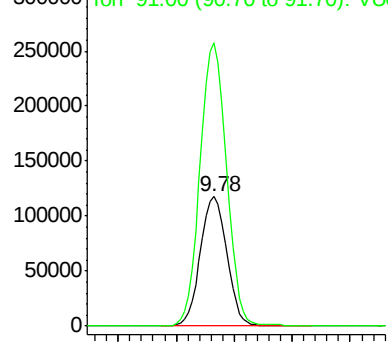
#69
o-Xylene
Concen: 48.73 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 187902
Ion Ratio Lower Upper
106 100
91 217.4 105.3 315.8

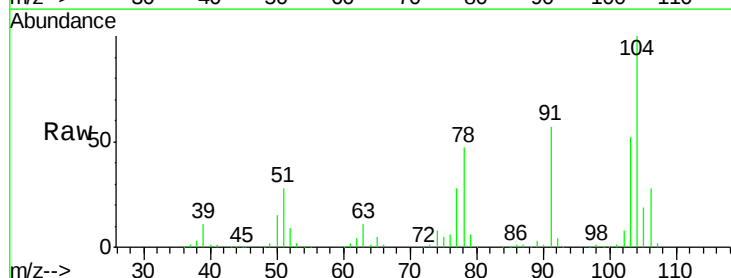


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

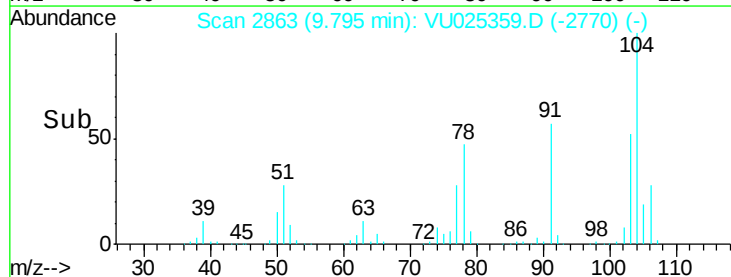
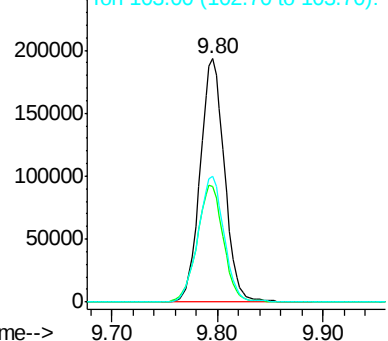


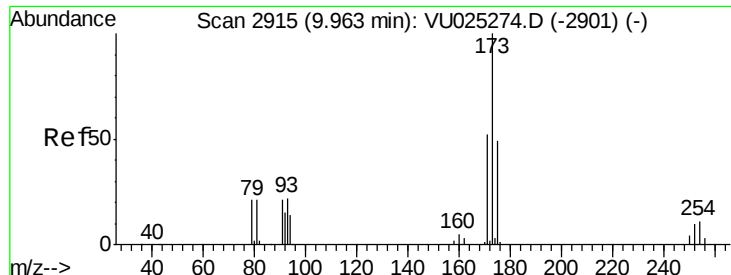
#70
Styrene
Concen: 50.29 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:104 Resp: 307988
Ion Ratio Lower Upper
104 100
78 51.9 41.6 62.4
103 55.4 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 44.59 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

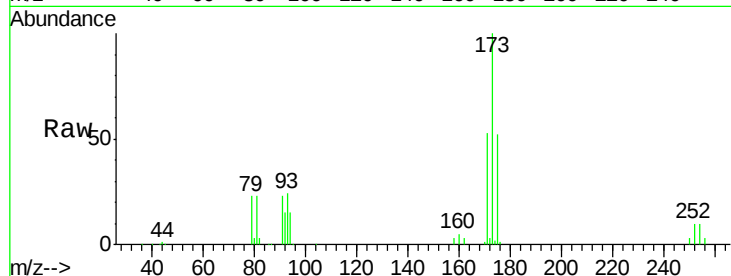
Tot Ion:173 Resp: 88993

Ion Ratio Lower Upper

173 100

175 50.1 24.0 72.0

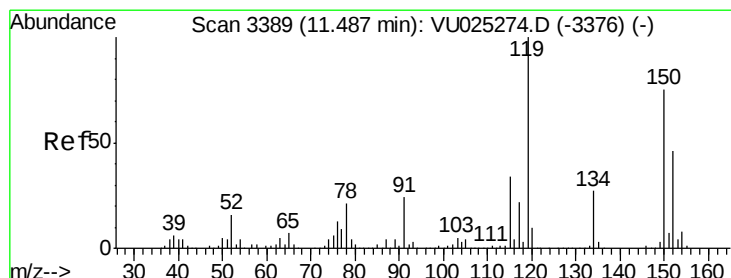
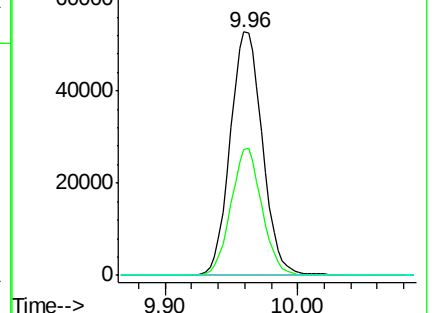
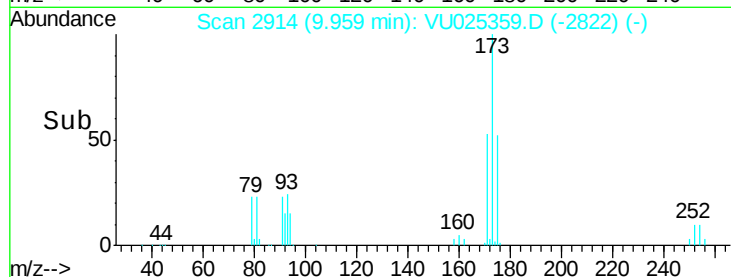
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

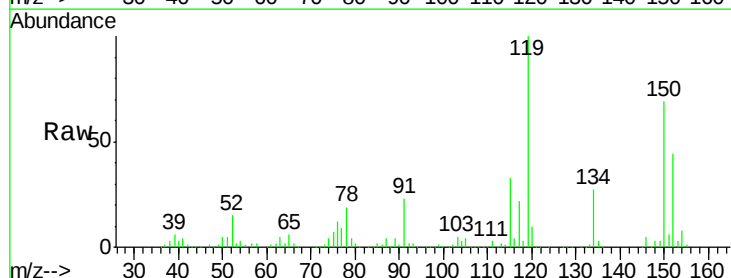
Tgt Ion:152 Resp: 141757

Ion Ratio Lower Upper

152 100

115 82.3 40.1 120.3

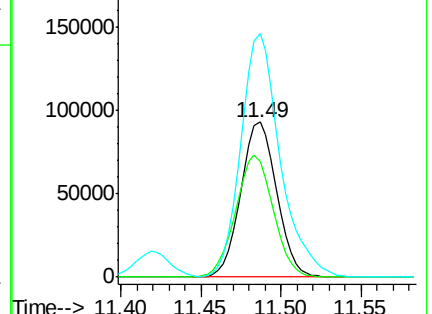
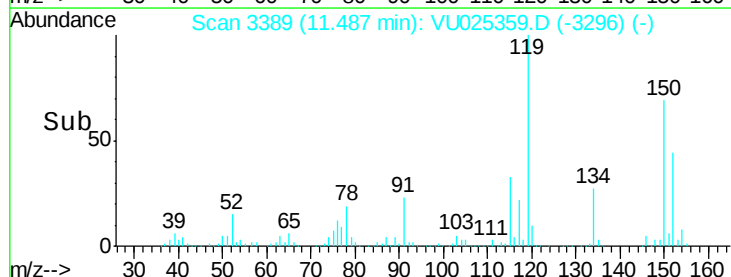
150 172.7 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.32 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

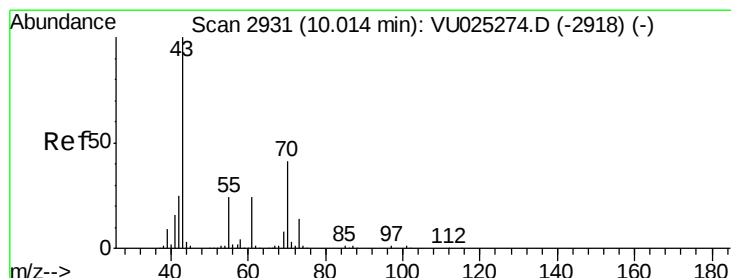
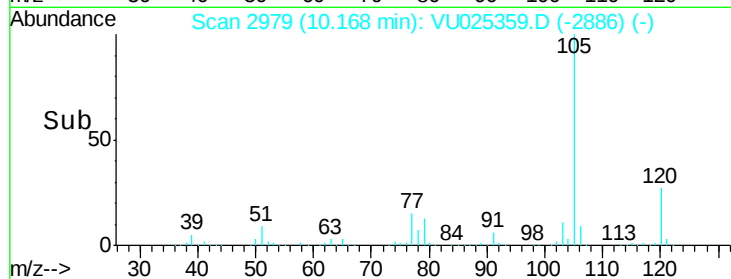
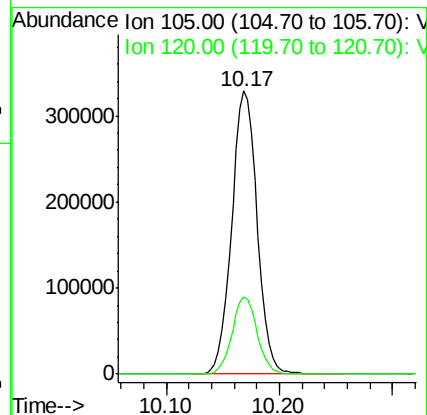
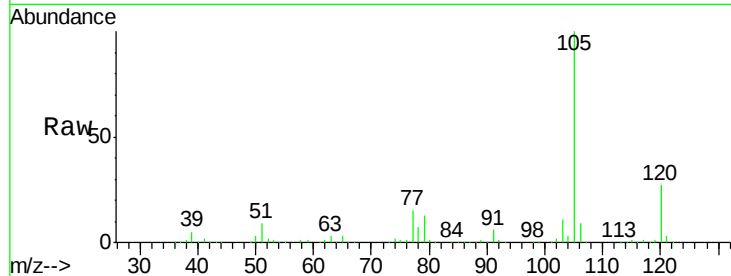
VSTDCCC050

Tot Ion:105 Resp: 512473

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#74

N-ethyl acetate

Concen: 50.13 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Tgt Ion: 43 Resp: 222236

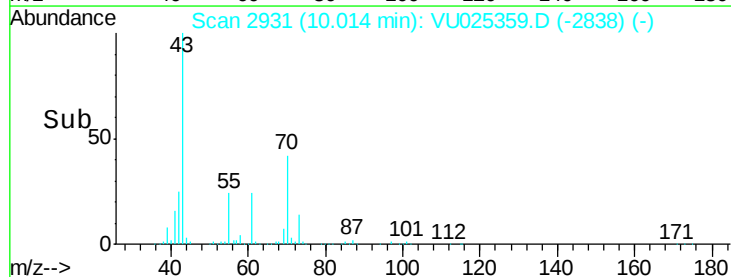
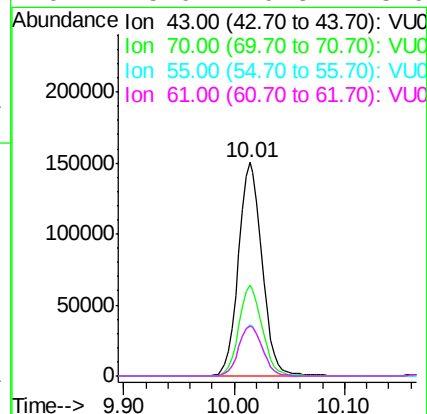
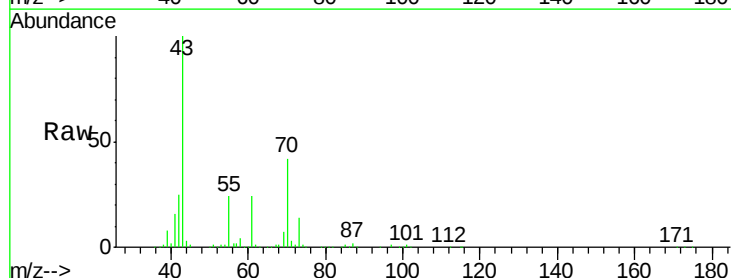
Ion Ratio Lower Upper

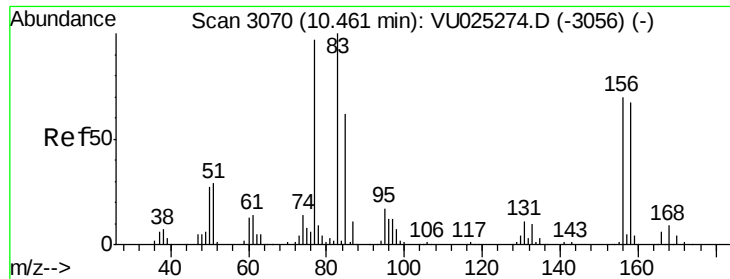
43 100

70 42.1 33.4 50.2

55 24.2 19.0 28.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.26 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

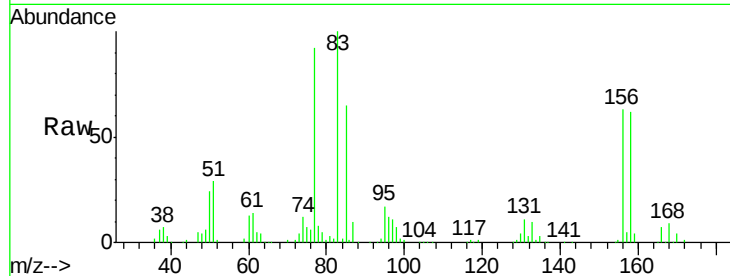
Tot Ion: 83 Resp: 178082

Ion Ratio Lower Upper

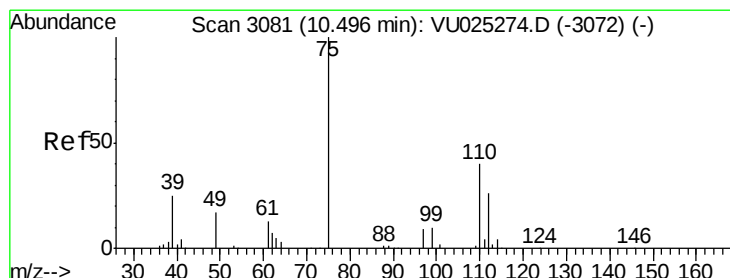
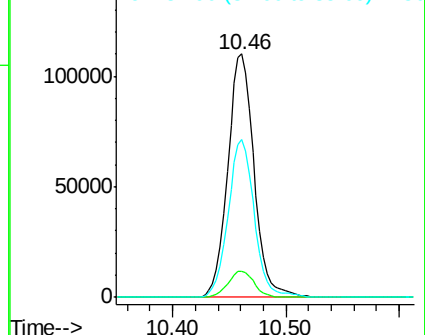
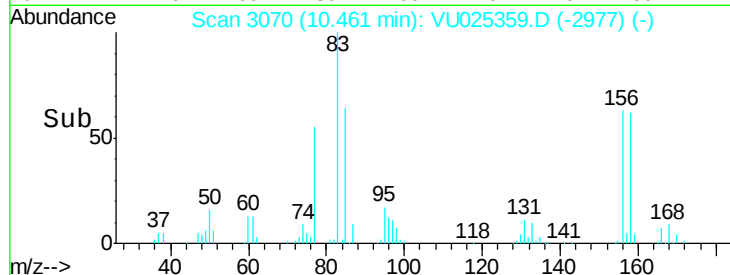
83 100

131 10.6 5.5 16.4

85 64.5 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025359.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 69.00 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025359.D

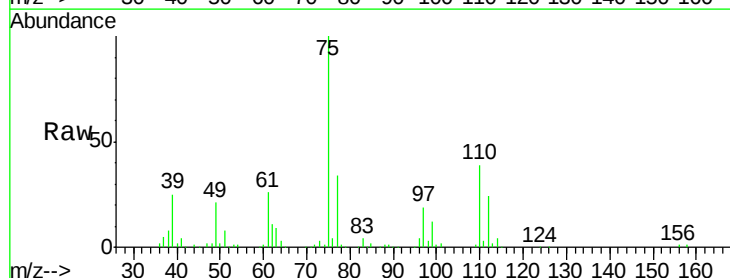
Acq: 12 Jul 2018 23:36

Tgt Ion: 75 Resp: 203026

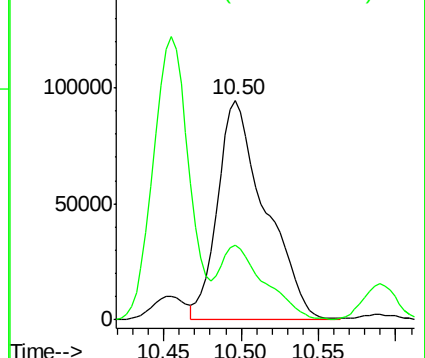
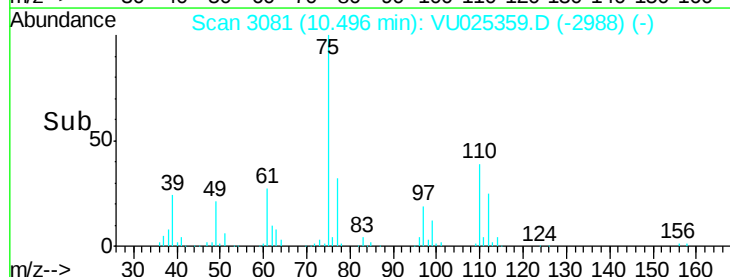
Ion Ratio Lower Upper

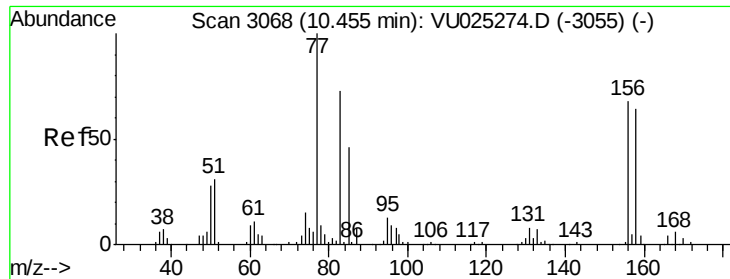
75 100

77 32.1 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025359.D (-2988) (-)





#77

Bromobenzene

Concen: 47.69 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

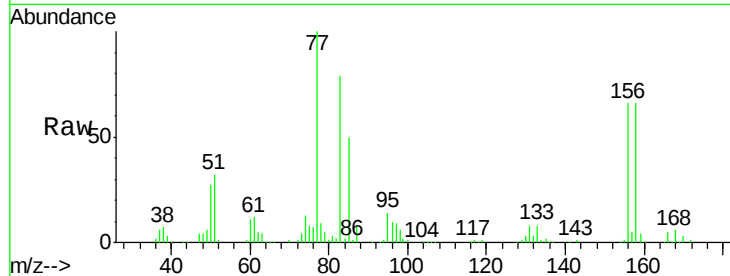
Tot Ion:156 Resp: 132147

Ion Ratio Lower Upper

156 100

77 148.7 73.8 221.4

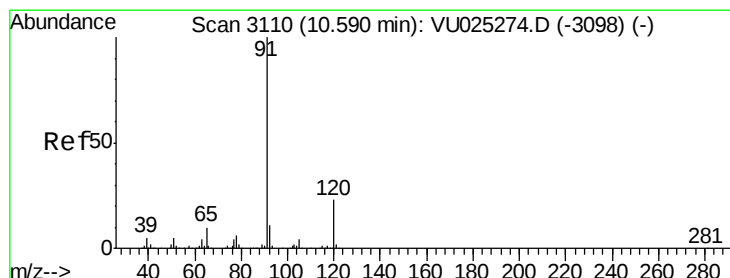
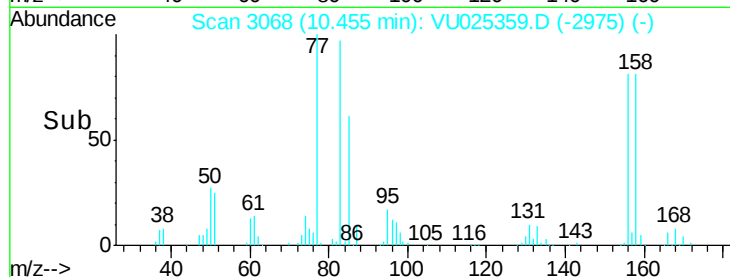
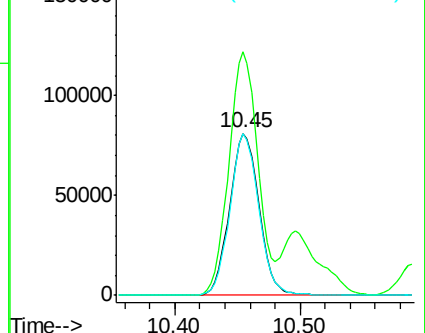
158 97.4 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.79 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025359.D

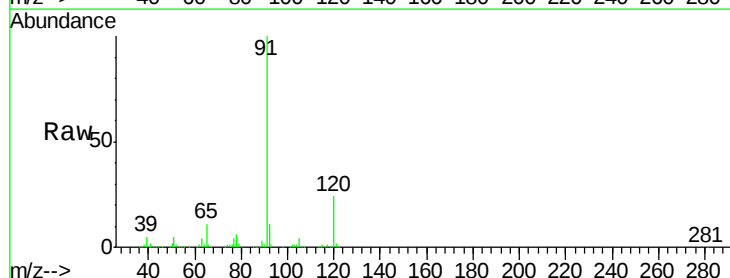
Acq: 12 Jul 2018 23:36

Tgt Ion: 91 Resp: 574357

Ion Ratio Lower Upper

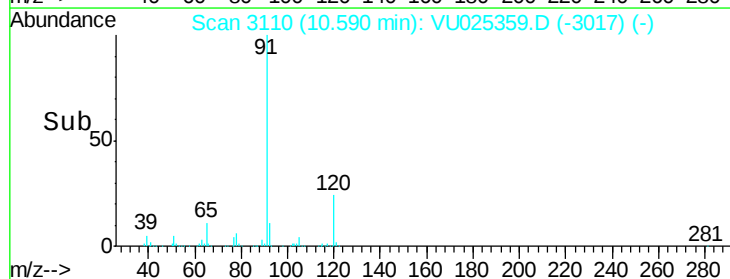
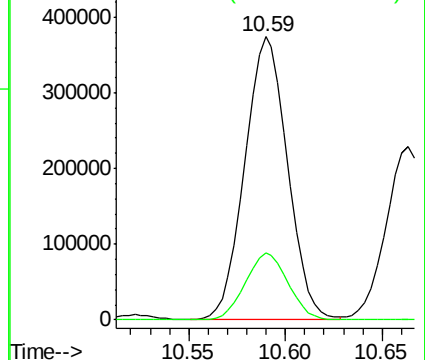
91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

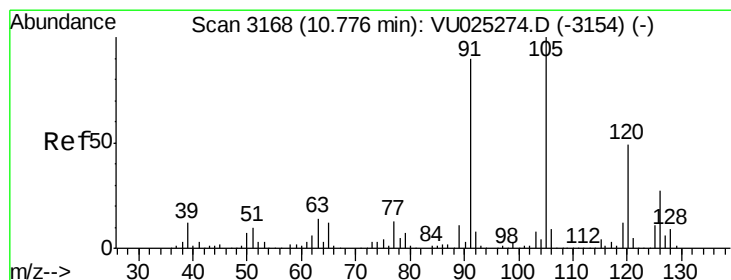
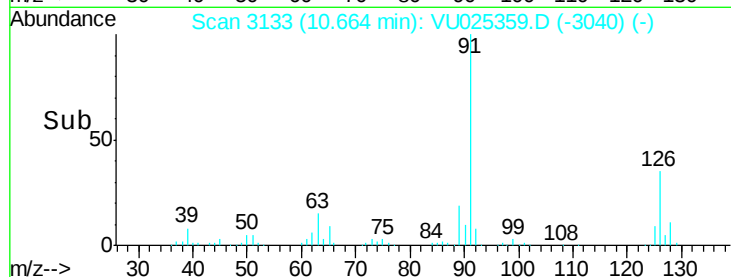
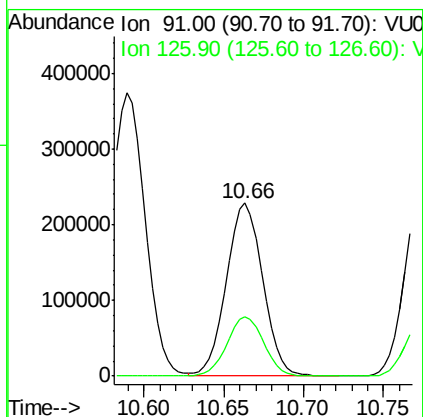
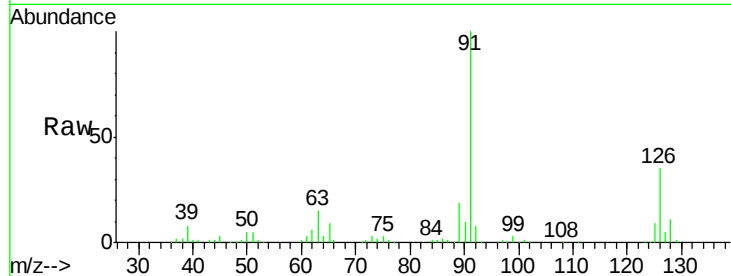




#79
 2-Chlorotoluene
 Concen: 51.37 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

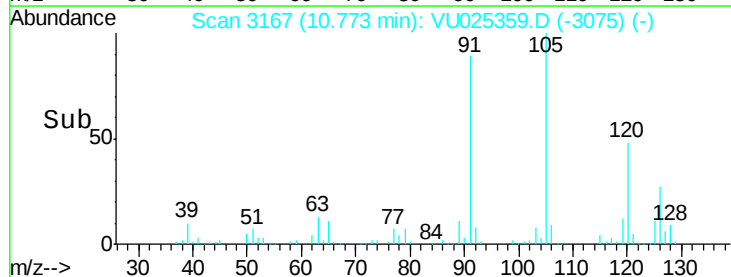
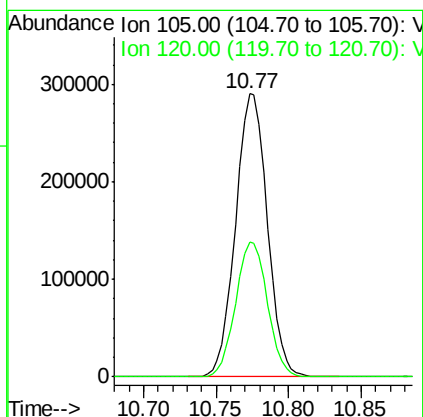
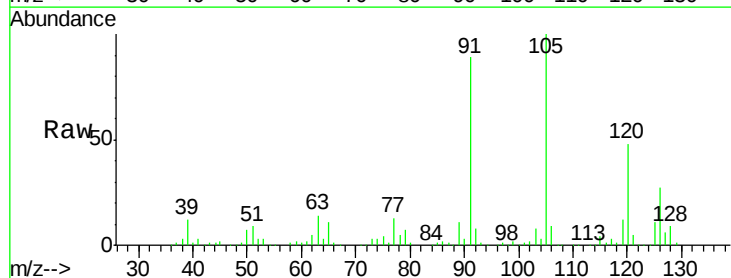
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

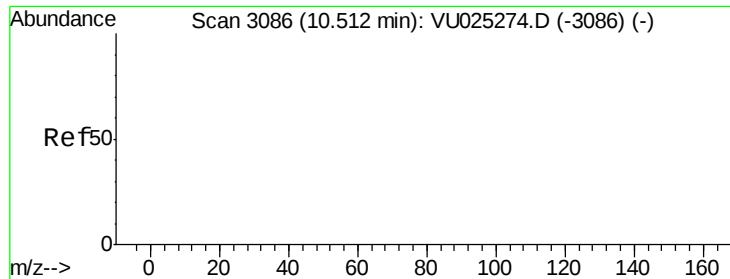
Tot Ion: 91 Resp: 354529
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.42 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 105 Resp: 441270
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 179.77 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VU025359.D

Acq: 12 Jul 2018 23:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

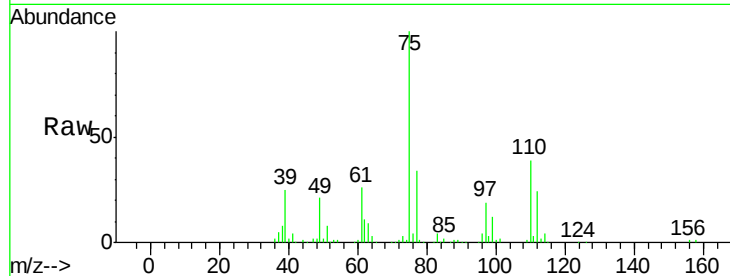
Tot Ion: 75 Resp: 203026

Ion Ratio Lower Upper

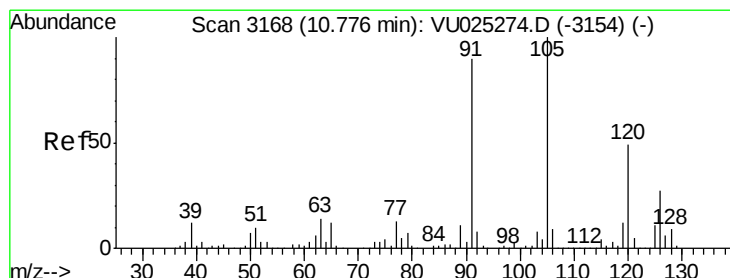
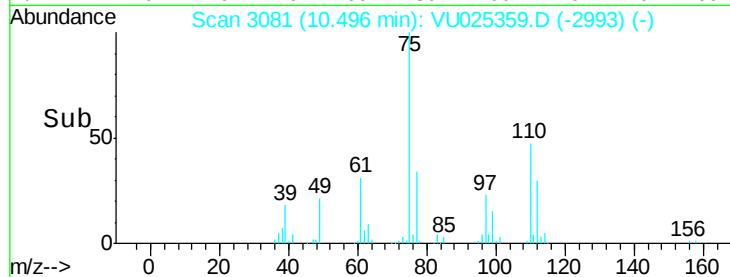
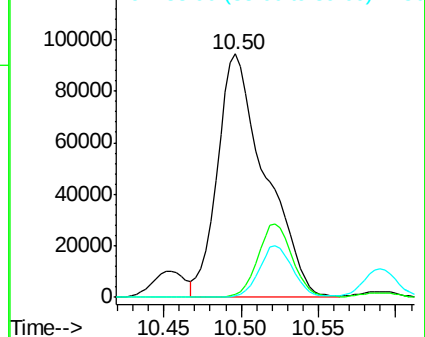
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



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



#82

4-Chlorotoluene

Concen: 46.94 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025359.D

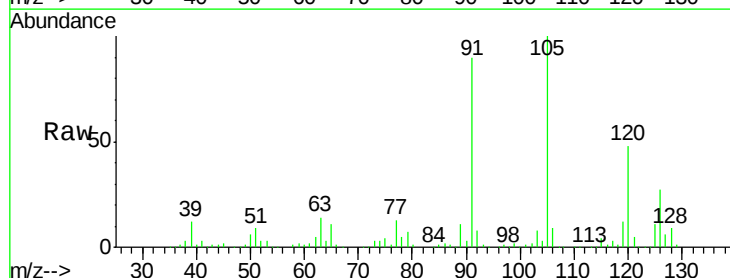
Acq: 12 Jul 2018 23:36

Tgt Ion: 91 Resp: 399471

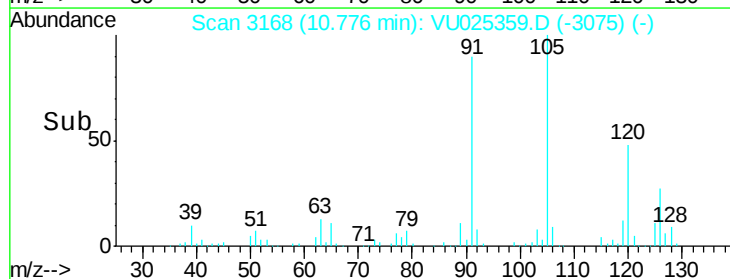
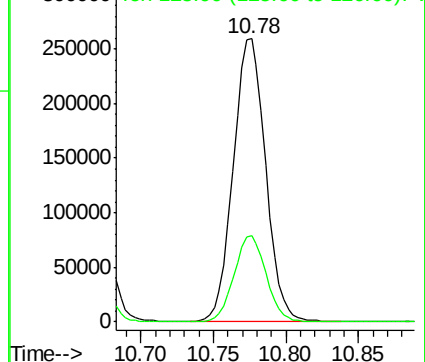
Ion Ratio Lower Upper

91 100

126 30.4 15.3 45.9



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

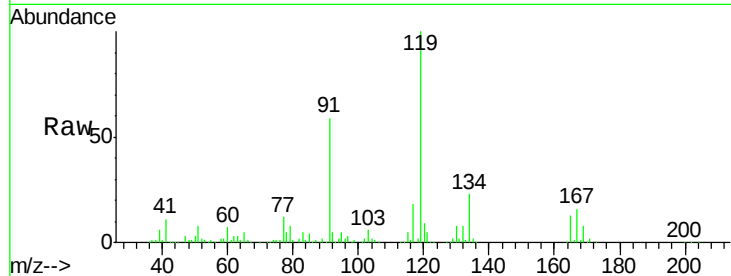




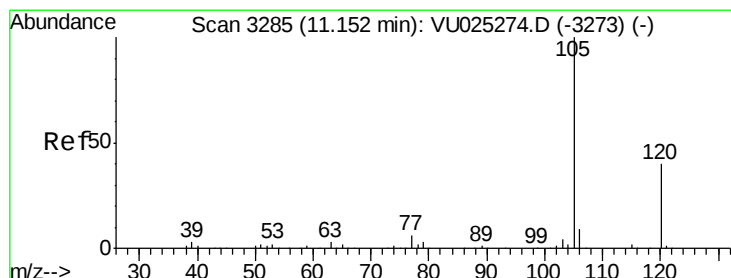
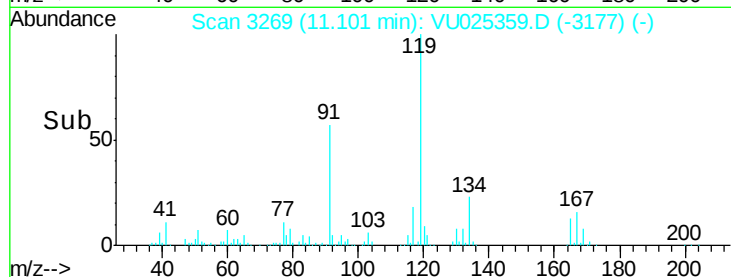
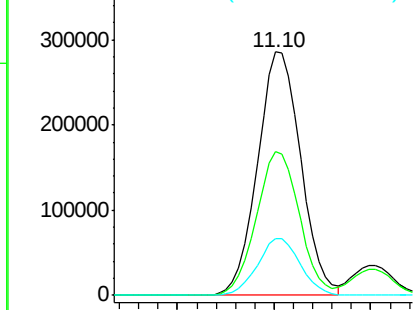
#83
tert-Butylbenzene
Concen: 48.46 ug/l
RT: 11.10 min Scan# 3269
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 446301
Ion Ratio Lower Upper
119 100
91 58.7 29.7 89.1
134 23.1 11.5 34.5

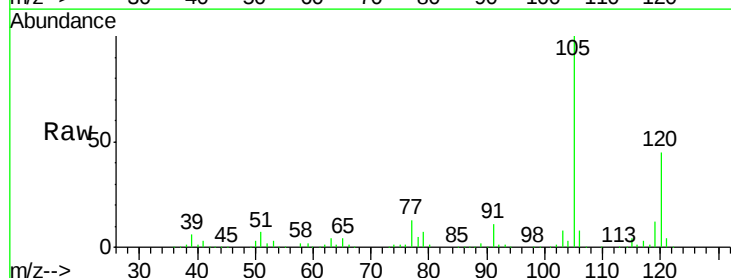


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

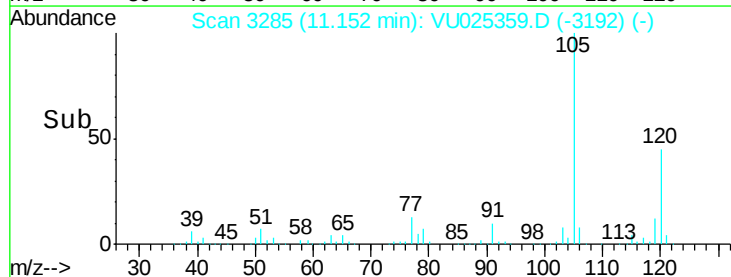
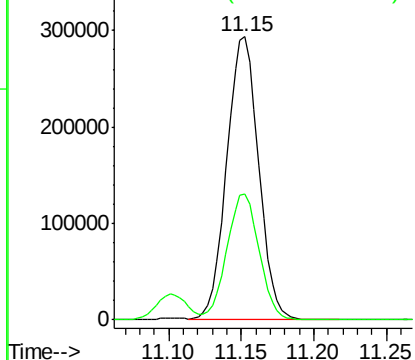


#84
1,2,4-Trimethylbenzene
Concen: 47.88 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:105 Resp: 447244
Ion Ratio Lower Upper
105 100
120 45.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

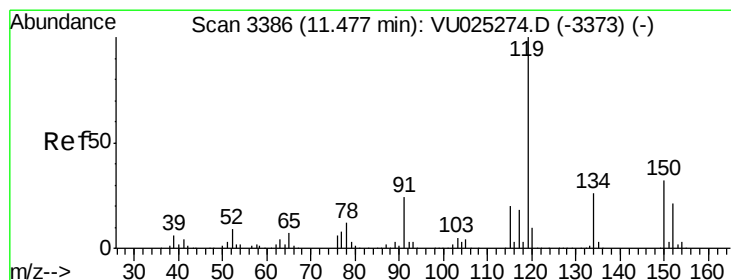
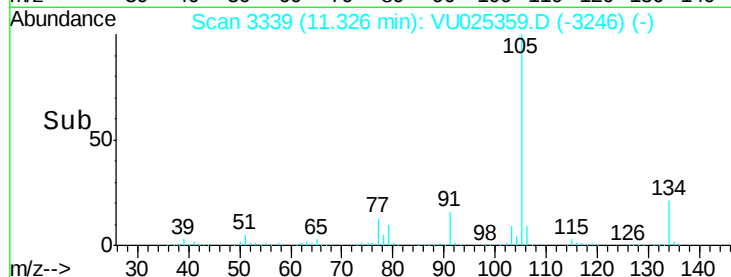
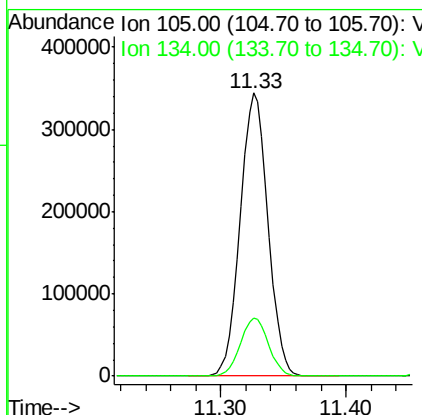
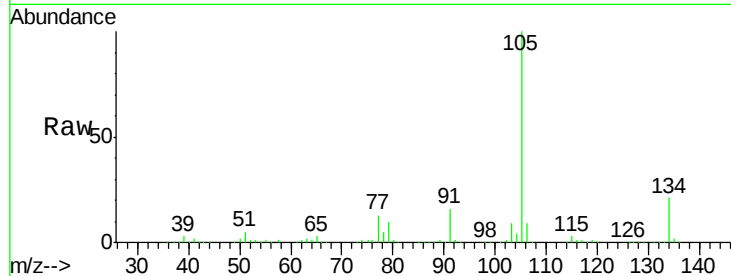




#85
 sec-Butylbenzene
 Concen: 48.82 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

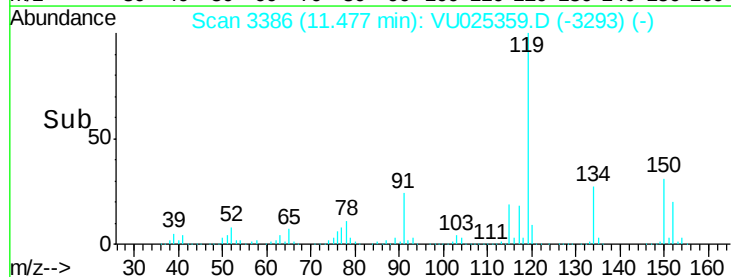
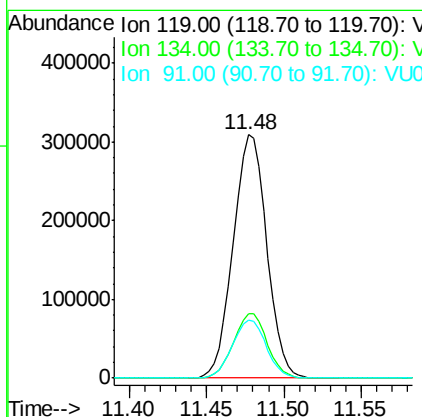
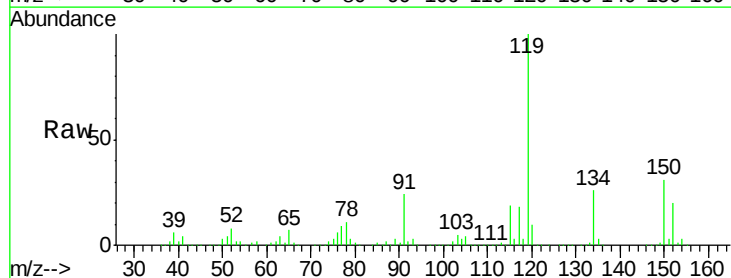
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

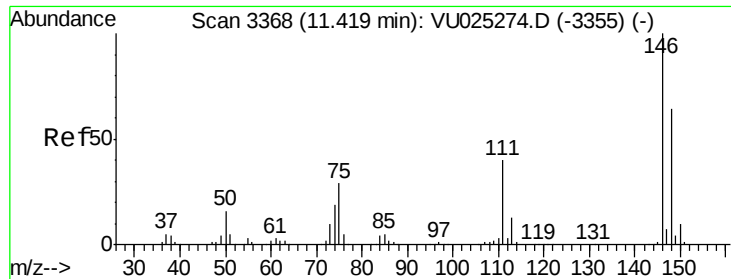
Tot Ion:105 Resp: 529429
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 48.36 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion:119 Resp: 464318
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 24.0 12.0 36.1

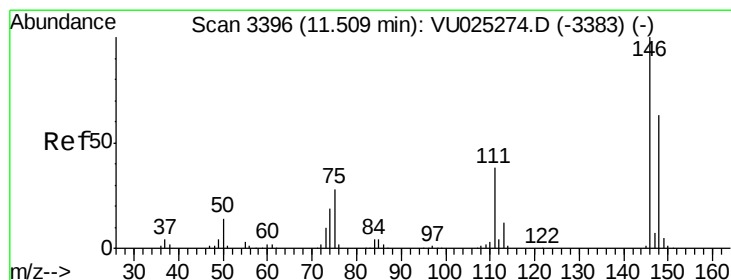
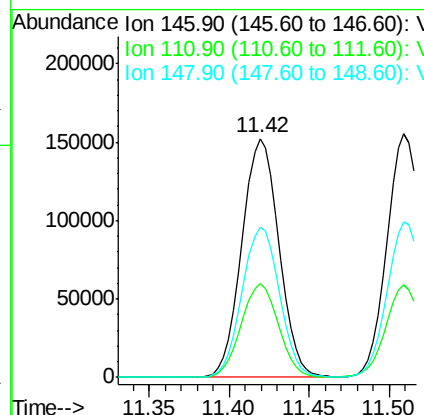
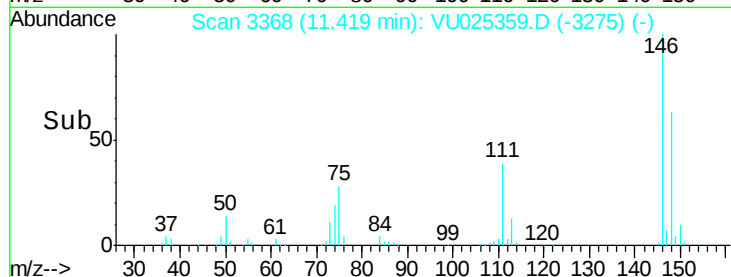
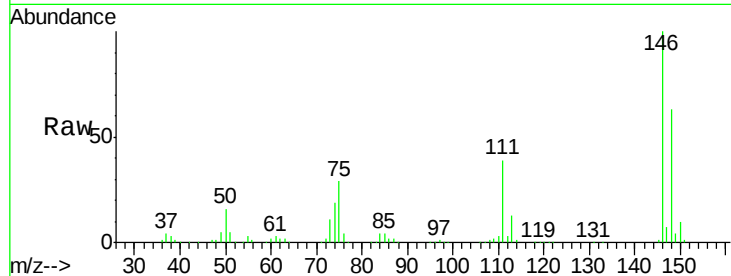




#87
 1,3-Dichlorobenzene
 Concen: 47.51 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

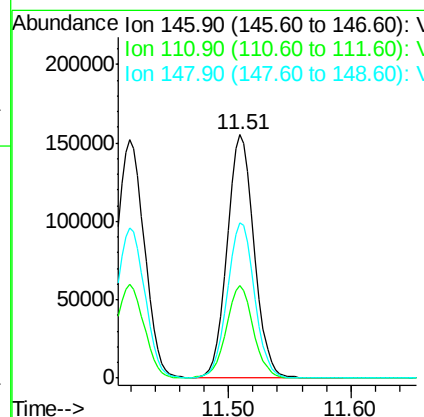
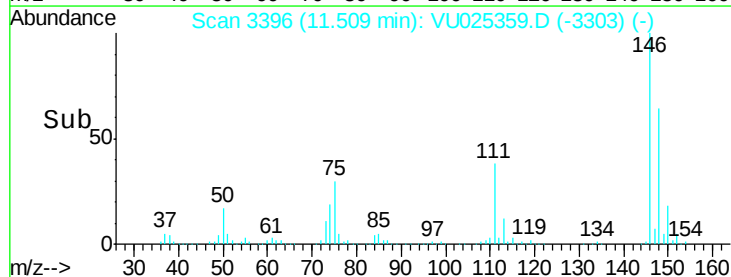
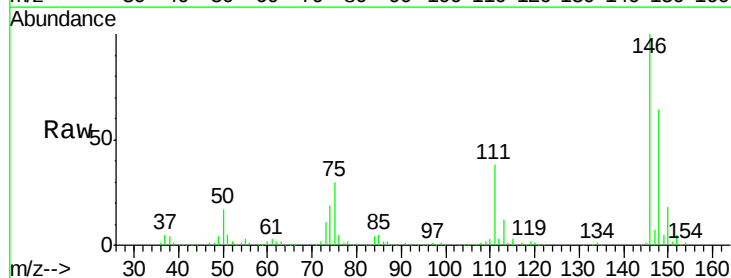
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

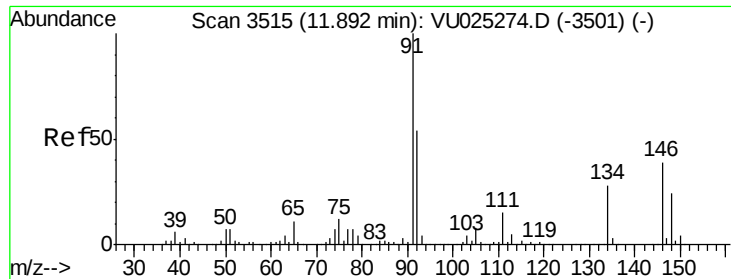
Tot Ion:146 Resp: 240593
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.1
 148 63.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.83 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion:146 Resp: 241328
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.4 58.1
 148 64.1 31.7 95.1

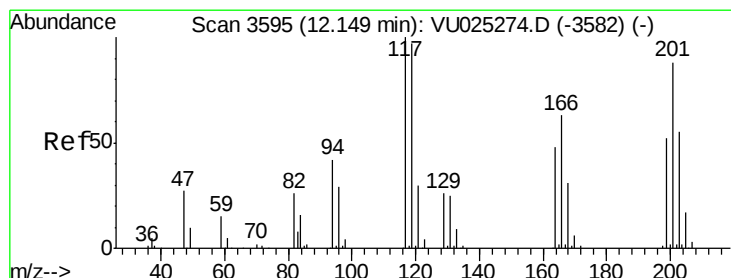
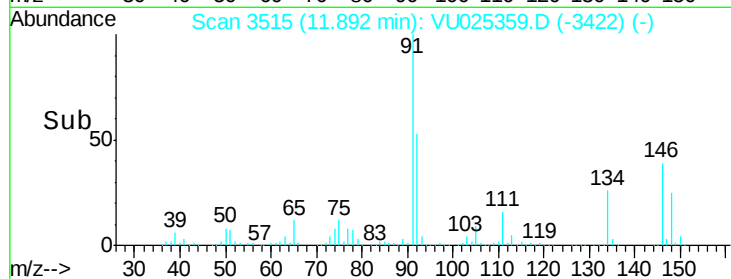
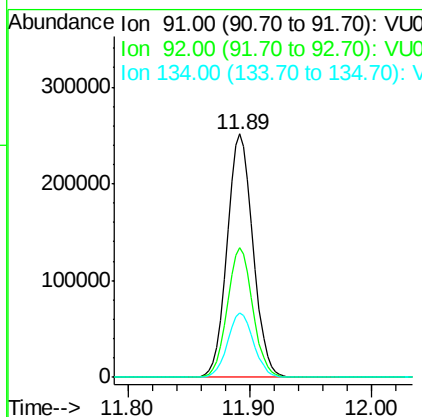
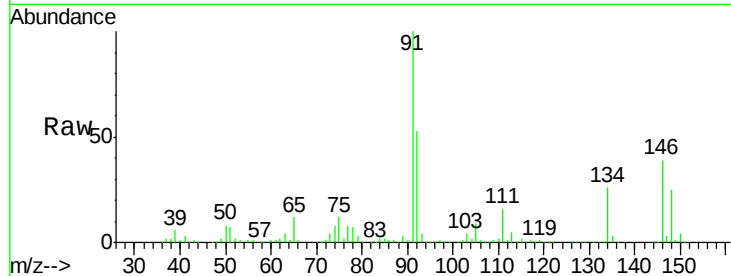




#89
n-Butylbenzene
Concen: 47.25 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

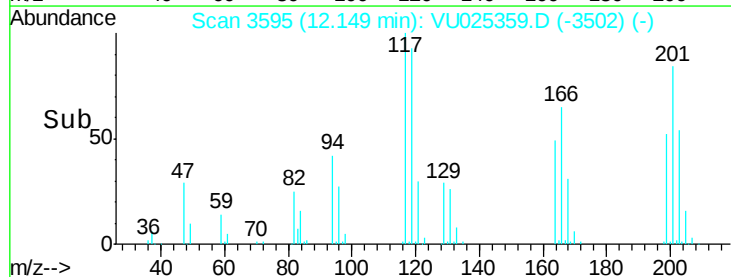
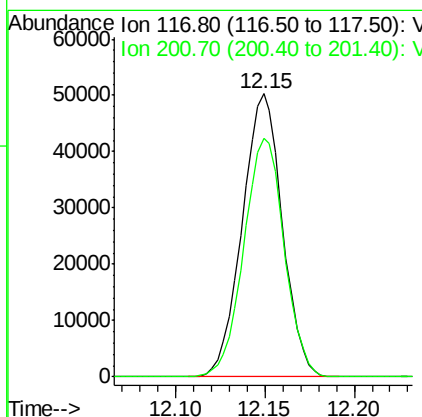
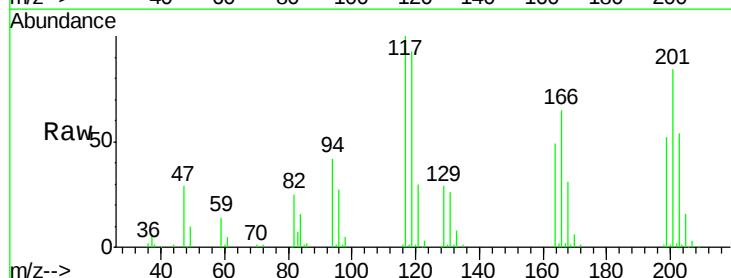
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

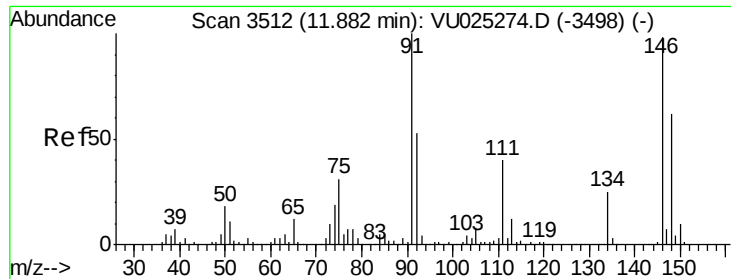
Tot Ion: 91 Resp: 372982
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.5
134 26.5 13.6 40.7



#90
Hexachloroethane
Concen: 48.42 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion: 117 Resp: 78728
Ion Ratio Lower Upper
117 100
201 85.1 42.5 127.6

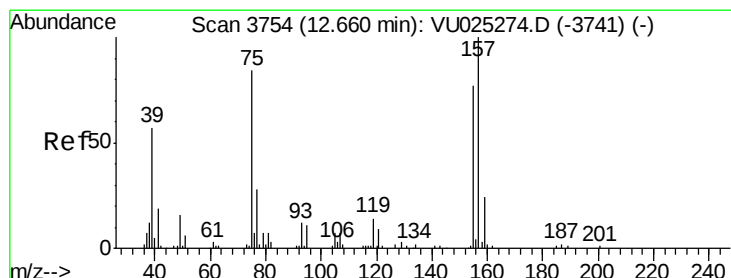
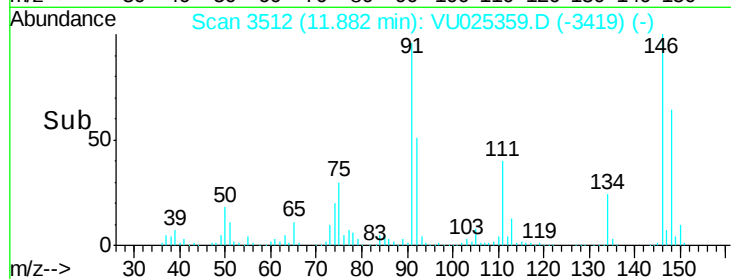
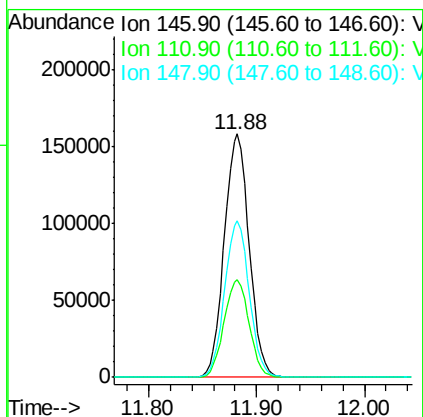
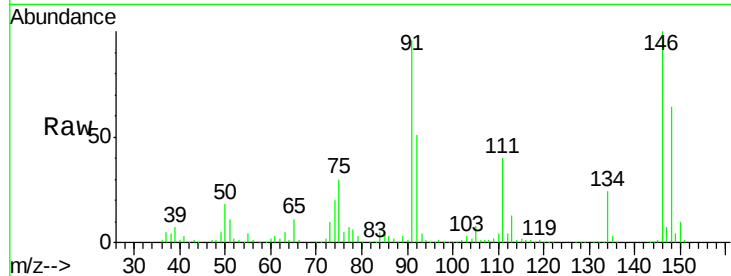




#91
 1,2-Dichlorobenzene
 Concen: 49.71 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

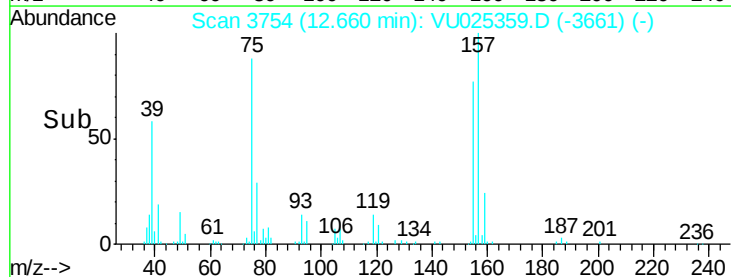
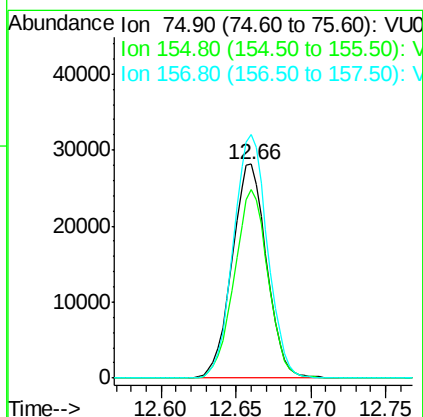
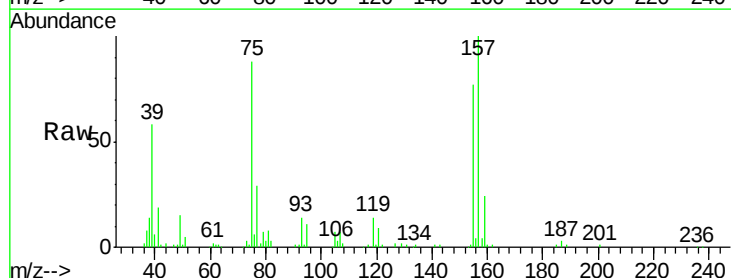
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

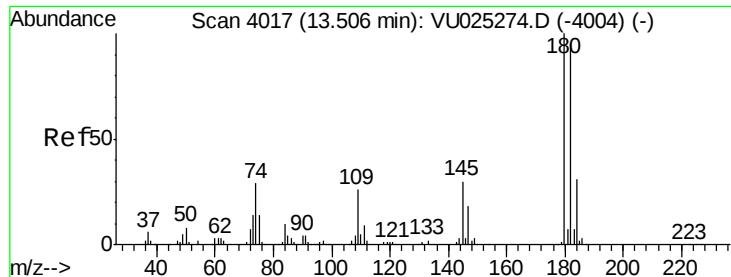
Tot Ion:146 Resp: 254238
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.6 61.8
 148 63.7 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.63 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion: 75 Resp: 45230
 Ion Ratio Lower Upper
 75 100
 155 86.1 44.5 133.3
 157 111.9 57.0 170.8

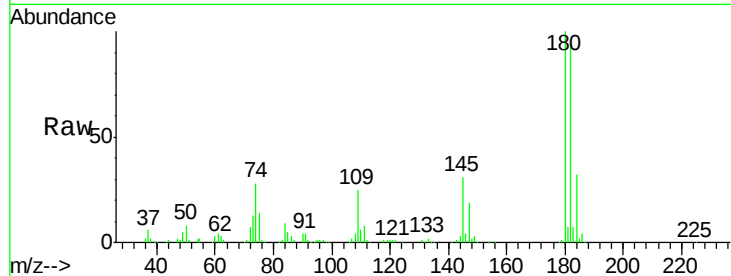




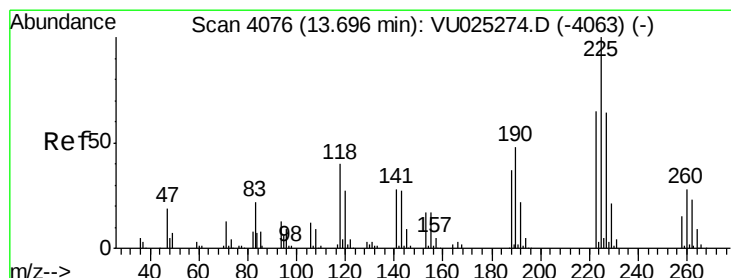
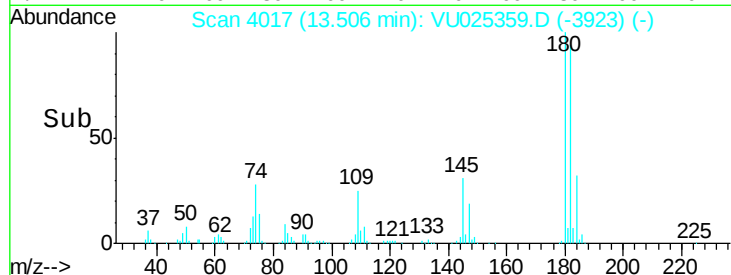
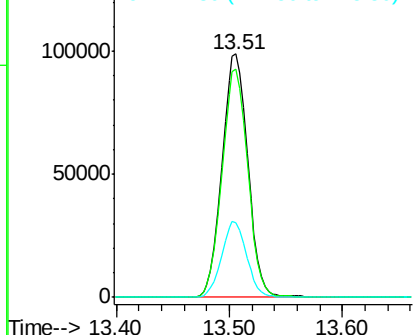
#93
 1,2,4-Trichlorobenzene
 Concen: 46.20 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 157303
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.3 141.9
 145 30.1 14.9 44.7

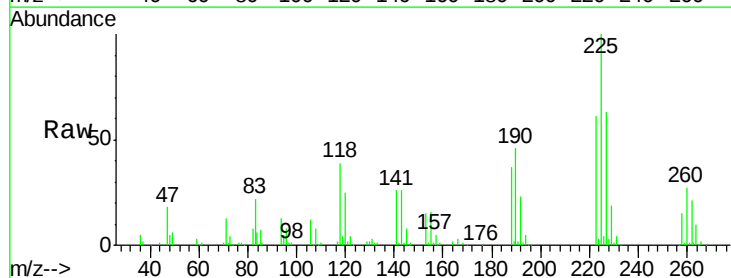


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

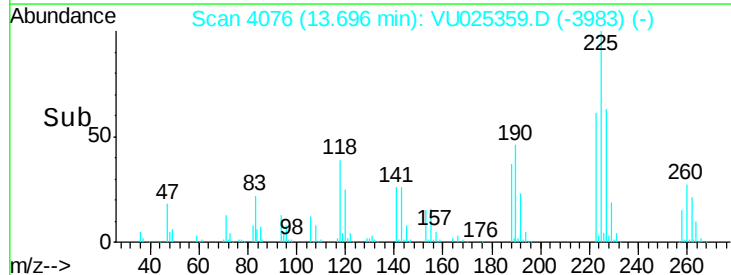
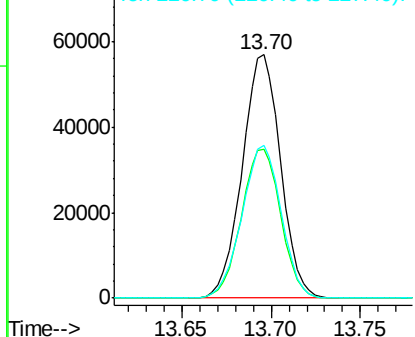


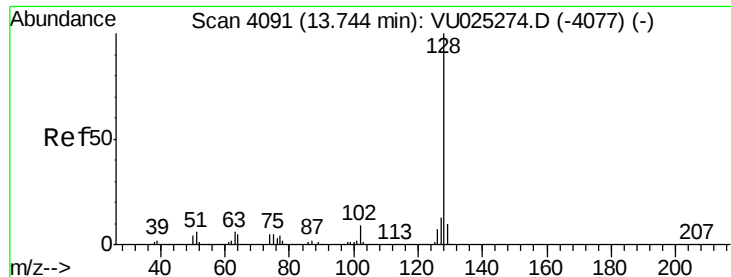
#94
 Hexachlorobutadiene
 Concen: 46.68 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025359.D
 Acq: 12 Jul 2018 23:36

Tgt Ion:225 Resp: 85382
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.9 95.7
 227 64.1 32.3 96.9



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

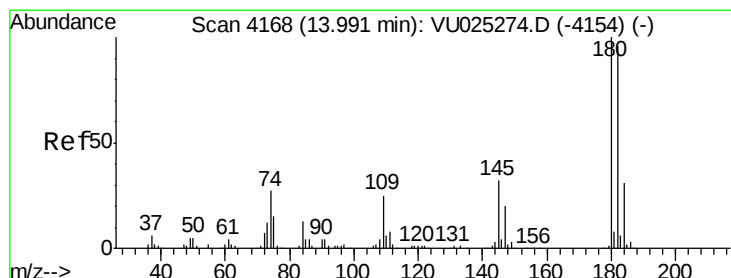
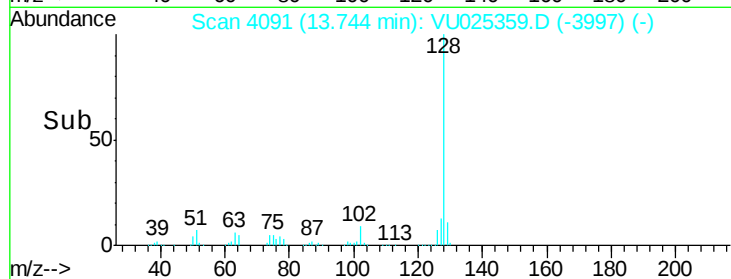
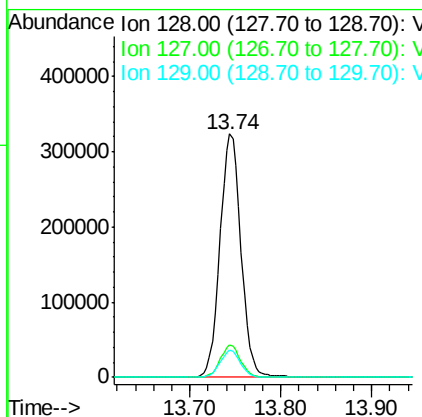
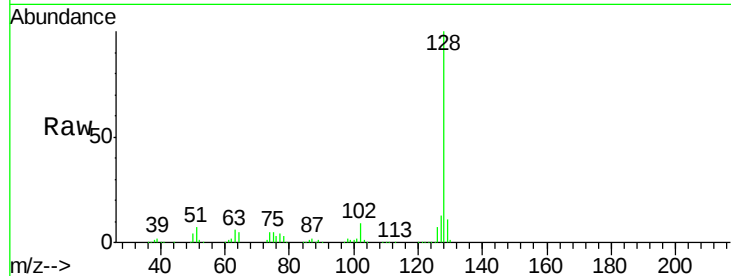




#95
Naphthalene
Concen: 49.77 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 517929
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 48.70 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025359.D
Acq: 12 Jul 2018 23:36

Tgt Ion:180 Resp: 169104
Ion Ratio Lower Upper
180 100
182 96.8 47.8 143.3
145 31.9 15.6 46.8

