

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027139.D
 Acq On : 25 Sep 2018 20:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 05:55:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	80974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136076	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74589	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	84019	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.10%		
35) Dibromofluoromethane	4.88	113	58060	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.44%		
50) Toluene-d8	7.57	98	225667	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.40%		
62) 4-Bromofluorobenzene	10.31	95	81094	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	46752	44.221	ug/l	98
3) Chloromethane	1.33	50	81706	44.825	ug/l	100
4) Vinyl Chloride	1.40	62	76531	44.980	ug/l	99
5) Bromomethane	1.61	94	40308	41.601	ug/l	99
6) Chloroethane	1.69	64	49284	45.334	ug/l	98
7) Trichlorofluoromethane	1.88	101	90339	46.748	ug/l	99
8) Diethyl Ether	2.10	74	43936	47.235	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55236	46.487	ug/l	98
10) Methyl Iodide	2.41	142	37266	25.288	ug/l	98
11) Tert butyl alcohol	2.83	59	94582	253.200	ug/l	100
12) 1,1-Dichloroethene	2.28	96	50199	44.886	ug/l	95
13) Acrolein	2.19	56	34904	173.335	ug/l	99
14) Allyl chloride	2.59	41	118602	52.286	ug/l	97
15) Acrylonitrile	2.94	53	241716	256.740	ug/l	98
16) Acetone	2.32	43	222117	257.042	ug/l	98
17) Carbon Disulfide	2.48	76	153121	42.028	ug/l	100
18) Methyl Acetate	2.61	43	129654	55.894	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	215335	52.396	ug/l	99
20) Methylene Chloride	2.70	84	67738	46.410	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	56555	47.364	ug/l	96
22) Diisopropyl ether	3.57	45	271066	55.870	ug/l	98
23) Vinyl Acetate	3.52	43	1137280	274.989	ug/l	99
24) 1,1-Dichloroethane	3.45	63	135883	50.851	ug/l	99
25) 2-Butanone	4.26	43	352638	257.473	ug/l	98
26) 2,2-Dichloropropane	4.23	77	98376	47.207	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	66634	49.415	ug/l	97
28) Bromochloromethane	4.55	49	73003	56.675	ug/l	95
29) Tetrahydrofuran	4.64	42	228284	275.532	ug/l	95
30) Chloroform	4.67	83	121986	49.180	ug/l	100
31) Cyclohexane	5.00	56	118917	48.944	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	99998	50.494	ug/l	99
36) 1,1-Dichloropropene	5.14	75	89001	49.007	ug/l	98
37) Ethyl Acetate	4.38	43	124937	50.818	ug/l	99
38) Carbon Tetrachloride	5.13	117	84193	48.716	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	100063	50.701	ug/l	97
40) Benzene	5.39	78	270370	48.972	ug/l	100
41) Methacrylonitrile	4.54	41	71809	56.241	ug/l	98
42) 1,2-Dichloroethane	5.40	62	105666	50.658	ug/l	99
43) Isopropyl Acetate	5.55	43	195725	54.589	ug/l	98
44) Trichloroethene	6.19	130	56992	48.490	ug/l	99
45) 1,2-Dichloropropane	6.43	63	81910	52.069	ug/l	99
46) Dibromomethane	6.56	93	45390	47.776	ug/l	99
47) Bromodichloromethane	6.76	83	94637	49.263	ug/l	98
48) Methyl methacrylate	6.62	41	100985	51.713	ug/l	96
49) 1,4-Dioxane	6.61	88	39450	1017.949	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	671850	278.612	ug/l	98
52) Toluene	7.64	92	161014	50.880	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	107875	52.264	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118466	52.200	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	67582	50.400	ug/l	99
56) Ethyl methacrylate	8.02	69	111923	48.189	ug/l	97
57) 1,3-Dichloropropane	8.24	76	127918	51.291	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	327392	247.990	ug/l	98
59) 2-Hexanone	8.36	43	507038	268.614	ug/l	99
60) Dibromochloromethane	8.48	129	66966	50.914	ug/l	97
61) 1,2-Dibromoethane	8.59	107	68958	49.426	ug/l	99
64) Tetrachloroethene	8.23	164	48008	46.743	ug/l	98
65) Chlorobenzene	9.12	112	168128	47.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	61158	50.242	ug/l	99
67) Ethyl Benzene	9.25	91	303259	52.183	ug/l	100
68) m/p-Xylenes	9.38	106	227182	96.579	ug/l	98
69) o-Xylene	9.78	106	109133	53.001	ug/l	99
70) Styrene	9.79	104	183304	47.762	ug/l	98
71) Bromoform	9.96	173	47473	50.432	ug/l #	98
73) Isopropylbenzene	10.17	105	299009	52.699	ug/l	100
74) N-amyl acetate	10.02	43	175199	53.344	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	118757	45.523	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	143138	63.168	ug/l	81
77) Bromobenzene	10.45	156	66880	48.236	ug/l	94
78) n-propylbenzene	10.59	91	370397	55.172	ug/l	99
79) 2-Chlorotoluene	10.66	91	217334	51.538	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253003	54.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	143138	202.148	ug/l #	100
82) 4-Chlorotoluene	10.77	91	247799	52.406	ug/l	99
83) tert-Butylbenzene	11.10	119	236586	51.092	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	260039	54.555	ug/l	99
85) sec-Butylbenzene	11.32	105	307929	54.476	ug/l	100
86) p-Isopropyltoluene	11.48	119	259883	49.017	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	126900	49.183	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	127172	45.224	ug/l	99
89) n-Butylbenzene	11.89	91	248778	48.463	ug/l	99
90) Hexachloroethane	12.15	117	49361	48.022	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	125899	45.936	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26563	49.913	ug/l	96

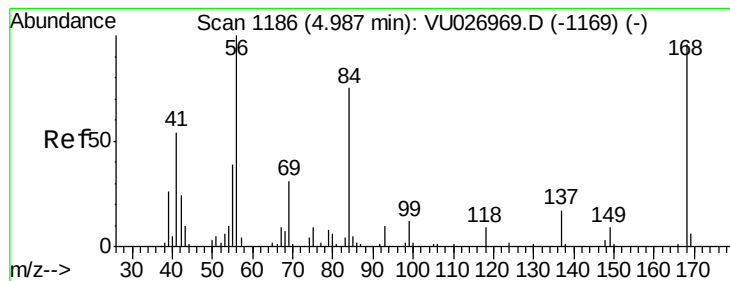
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	82990	52.545	ug/l	99
94) Hexachlorobutadiene	13.69	225	41878	50.112	ug/l	98
95) Naphthalene	13.75	128	286299	46.485	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	85974	50.760	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

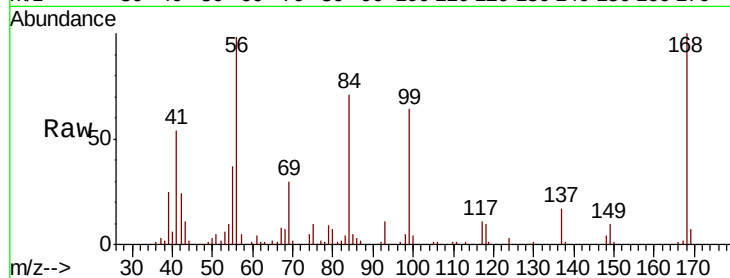
VSTDCCC050

Tot Ion:168 Resp: 80974

Ion Ratio Lower Upper

168 100

99 63.7 48.1 72.1



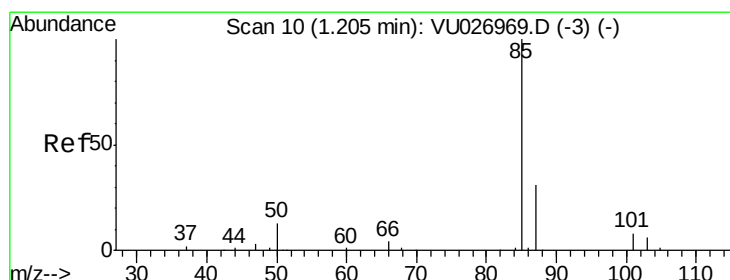
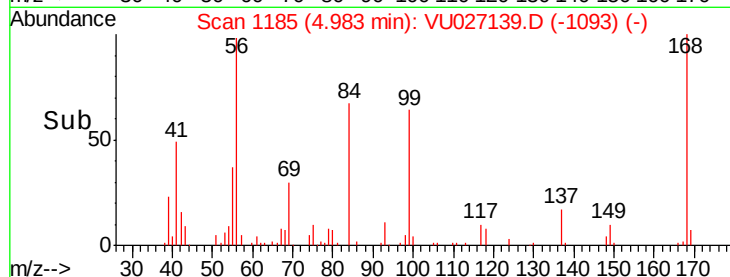
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 44.221 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027139.D

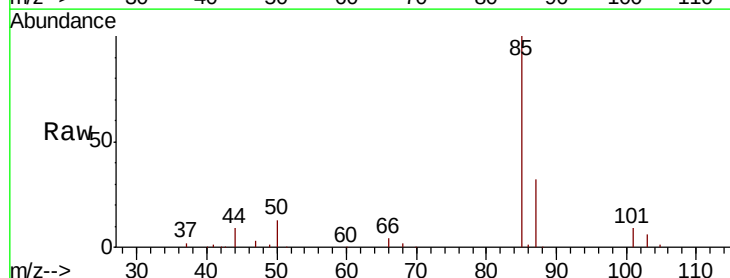
Acq: 25 Sep 2018 20:17

Tgt Ion: 85 Resp: 46752

Ion Ratio Lower Upper

85 100

87 32.4 15.6 46.7



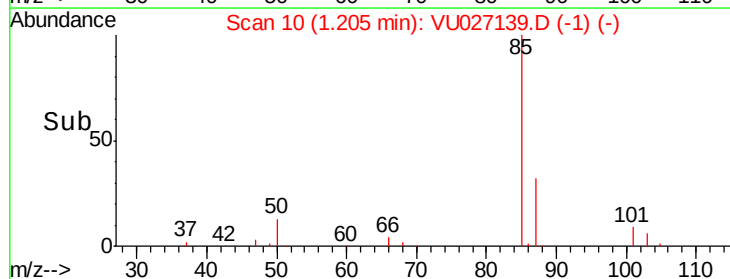
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

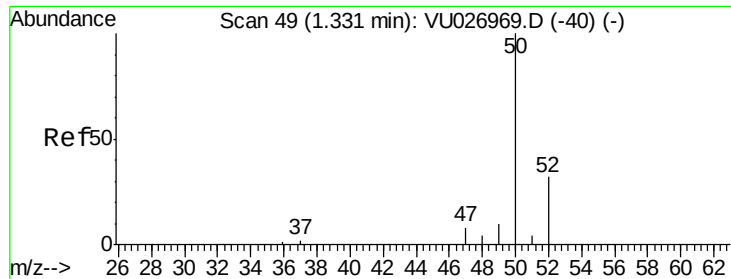
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->

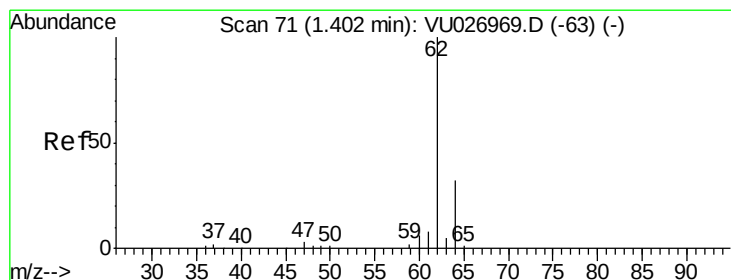
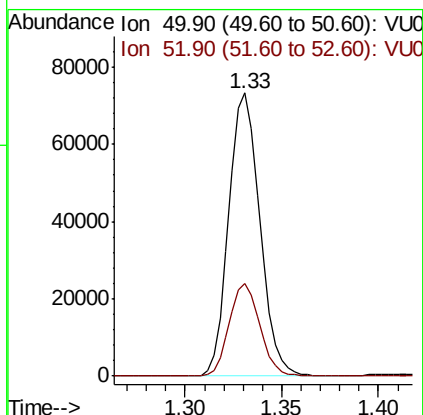
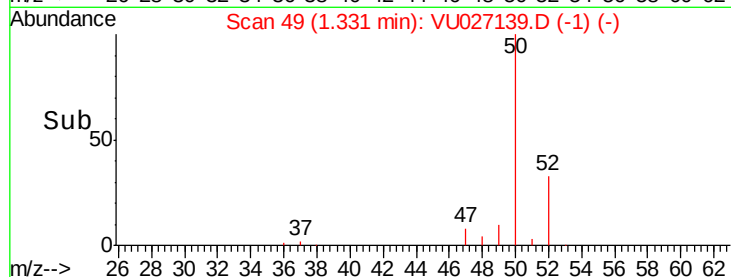
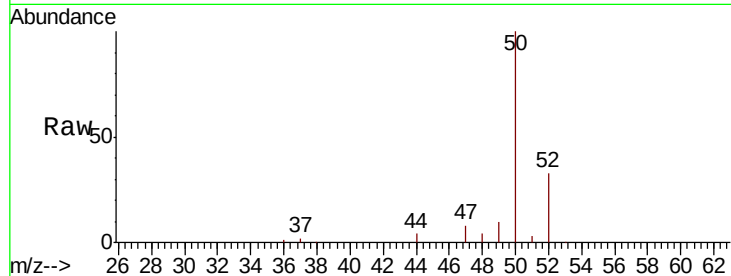




#3
Chloromethane
Concen: 44.825 ug/l
RT: 1.33 min Scan# 49
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

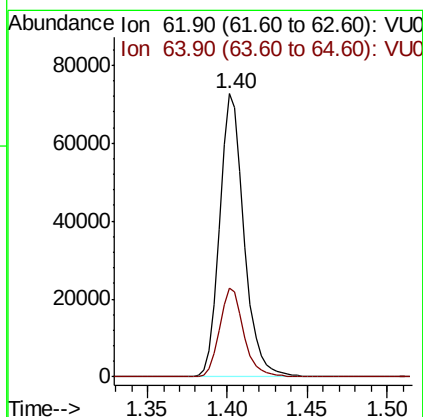
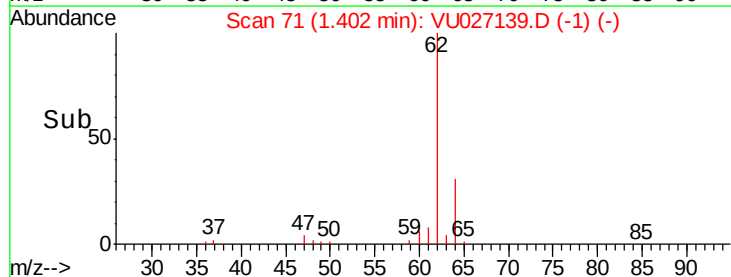
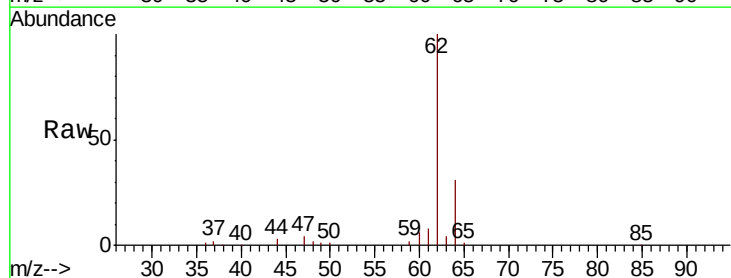
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

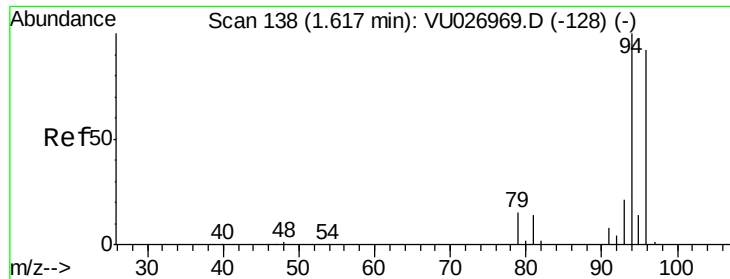
Tot Ion: 50 Resp: 81706
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#4
Vinyl Chloride
Concen: 44.980 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 62 Resp: 76531
Ion Ratio Lower Upper
62 100
64 31.2 25.5 38.3





#5

Bromomethane

Concen: 41.601 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

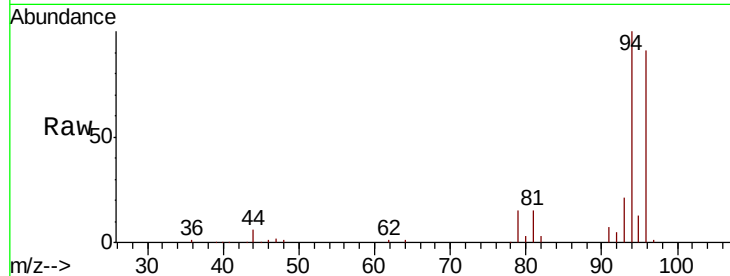
VSTDCCC050

Tot Ion: 94 Resp: 40308

Ion Ratio Lower Upper

94 100

96 90.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

1.61

30000

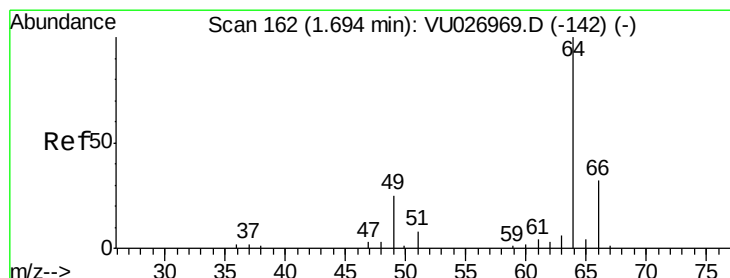
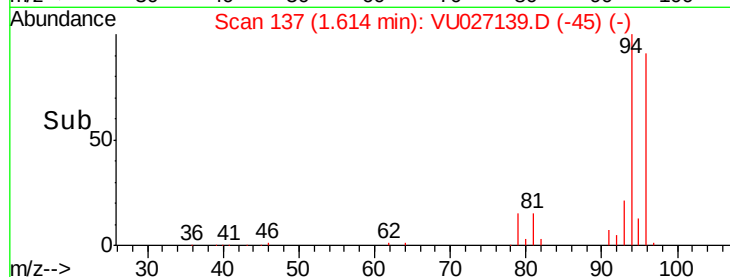
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.334 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027139.D

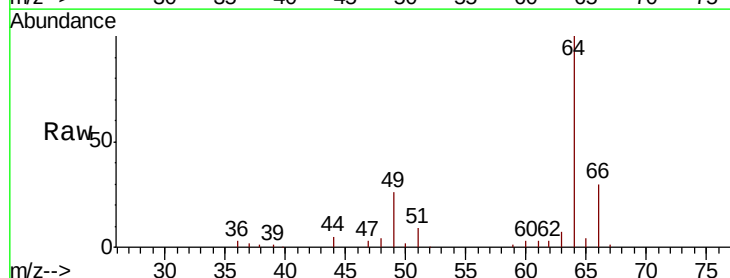
Acq: 25 Sep 2018 20:17

Tgt Ion: 64 Resp: 49284

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

40000

30000

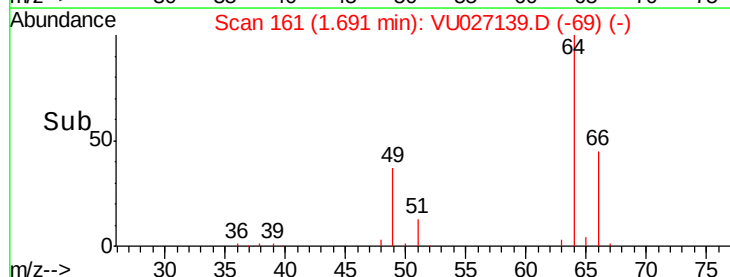
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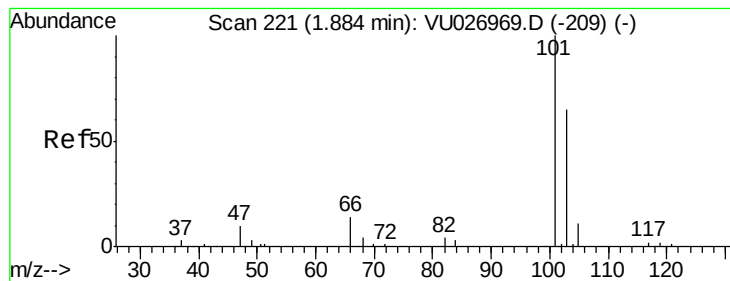
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Time-->

1.60 1.65 1.70 1.75 1.80



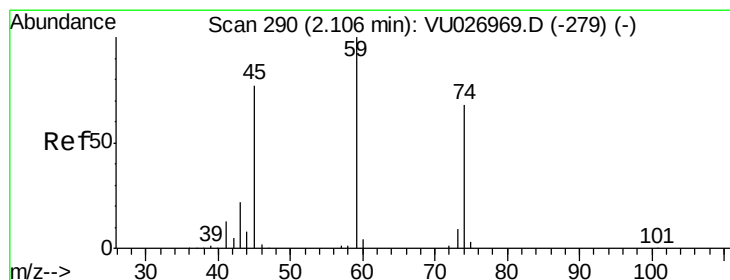
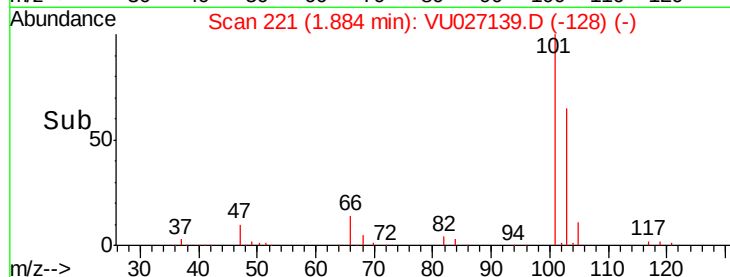
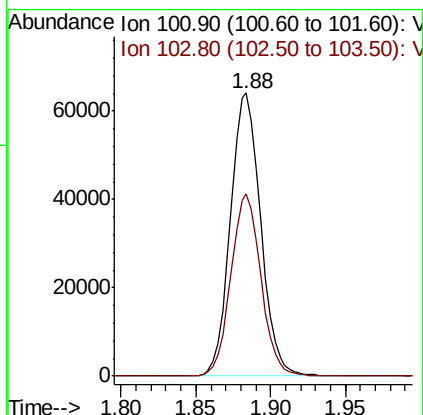
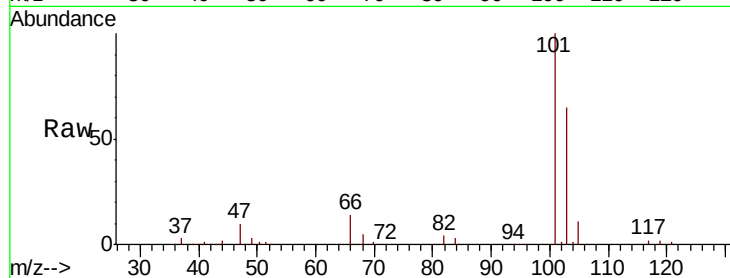


#7

Trichlorofluoromethane
Concen: 46.748 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
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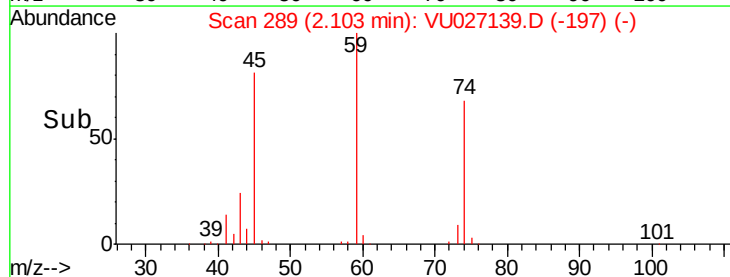
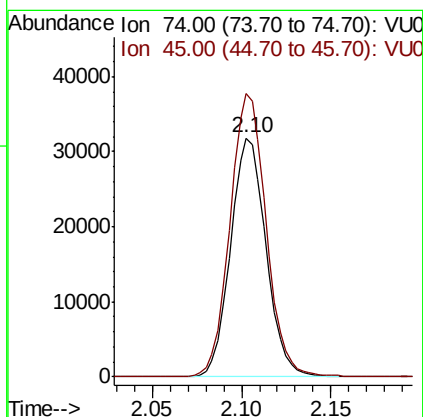
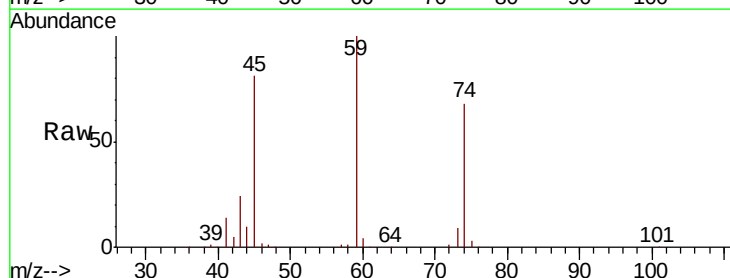
Tot Ion:101 Resp: 90339
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.2

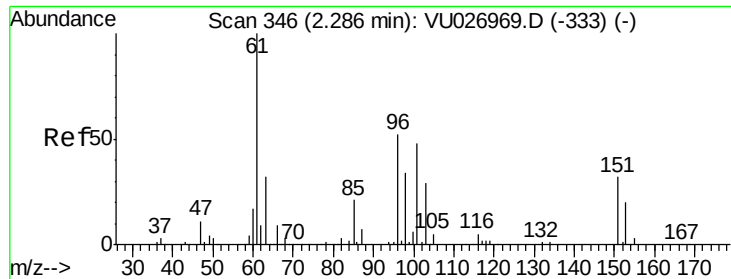


#8

Diethyl Ether
Concen: 47.235 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 74 Resp: 43936
Ion Ratio Lower Upper
74 100
45 121.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.487 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

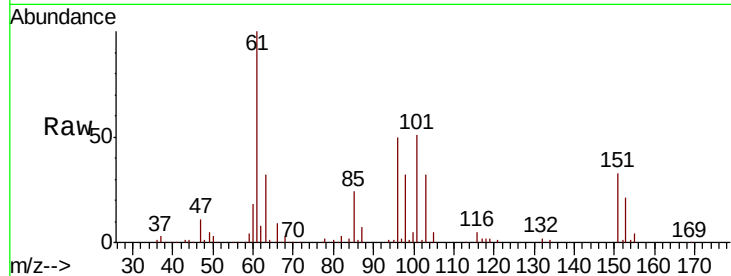
Tot Ion:101 Resp: 55236

Ion Ratio Lower Upper

101 100

85 46.4 36.2 54.2

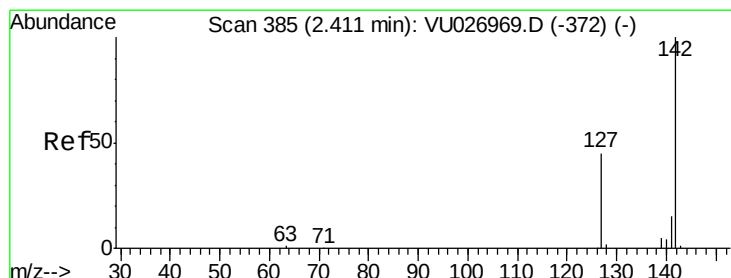
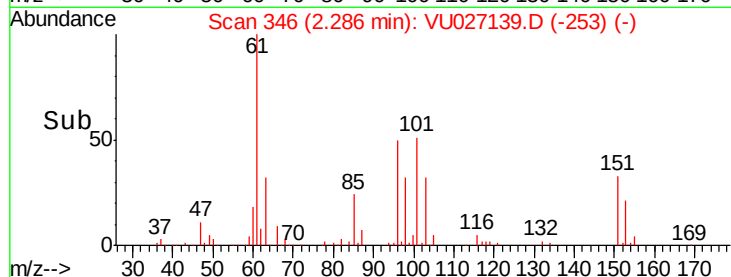
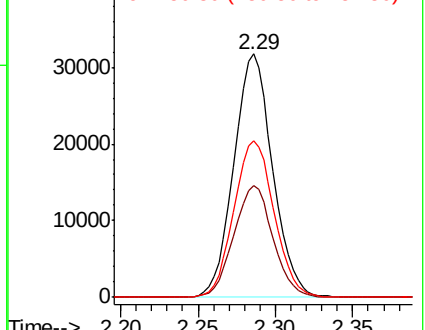
151 66.7 54.5 81.7



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: 25.288 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

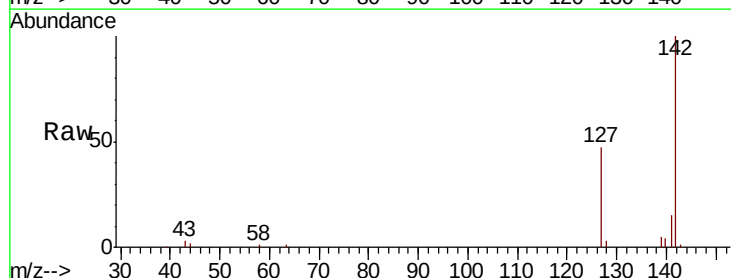
Tgt Ion:142 Resp: 37266

Ion Ratio Lower Upper

142 100

127 47.6 36.7 55.1

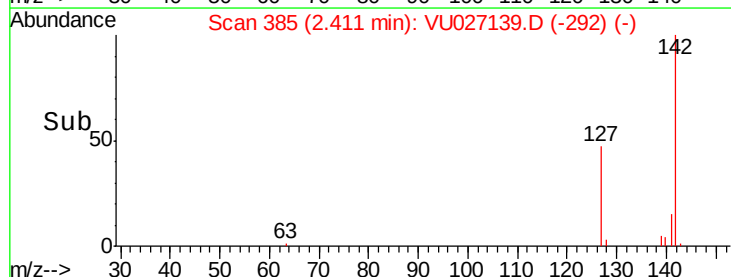
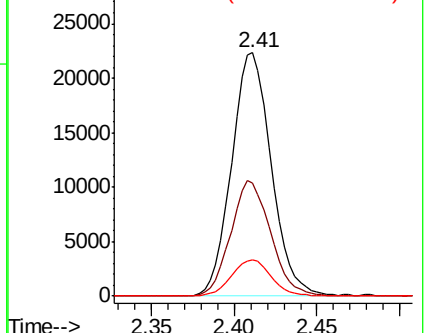
141 14.9 11.8 17.6

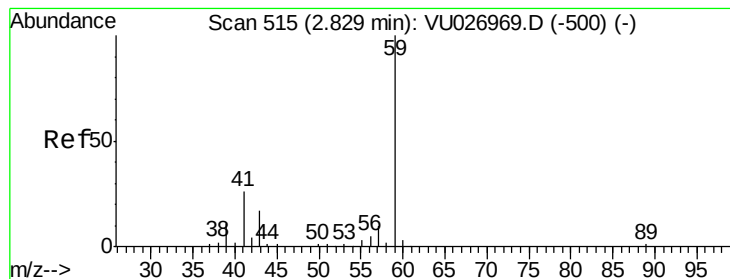


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



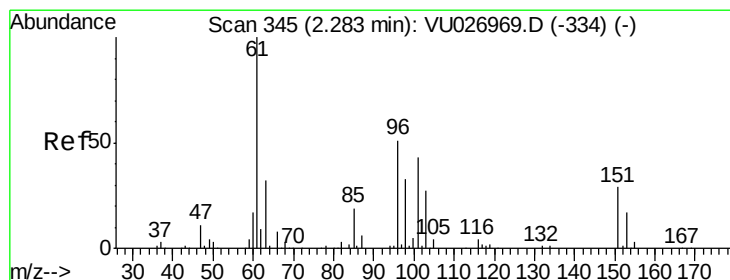
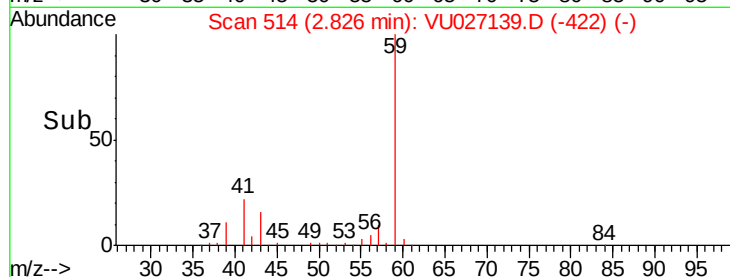
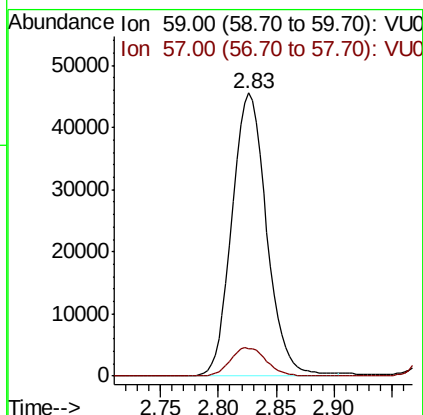
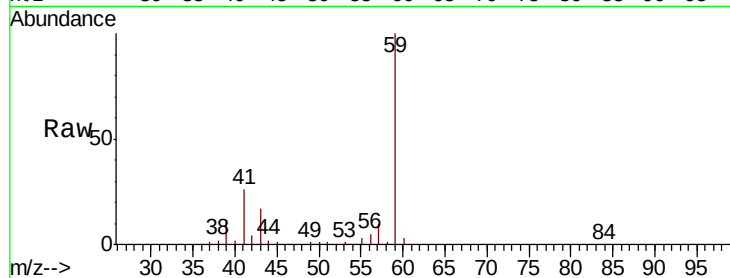


#11

Tert butyl alcohol
 Concen: 253.200 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

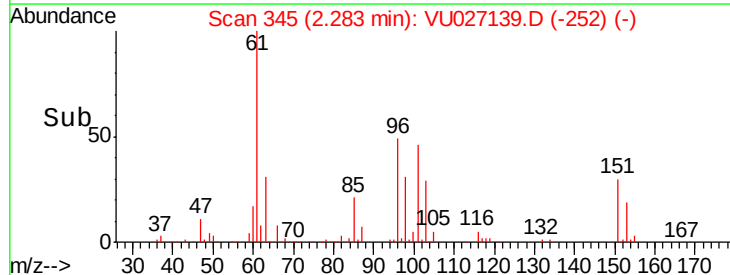
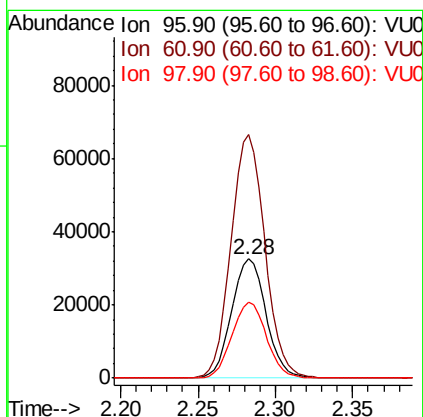
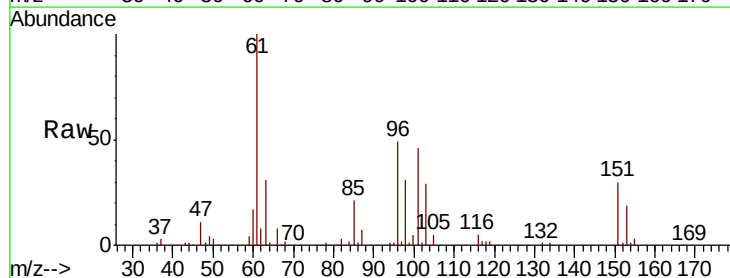
Tot Ion: 59 Resp: 94582
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

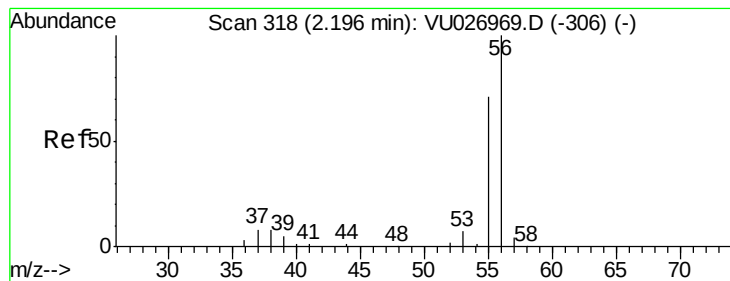


#12

1,1-Dichloroethene
 Concen: 44.886 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 96 Resp: 50199
 Ion Ratio Lower Upper
 96 100
 61 204.6 156.1 234.1
 98 63.6 51.4 77.0





#13

Acrolein

Concen: 173.335 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

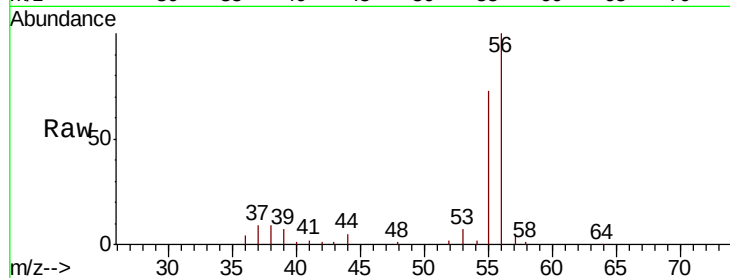
VSTDCCC050

Tot Ion: 56 Resp: 34904

Ion Ratio Lower Upper

56 100

55 72.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026969.D (-306) (-)

2.19

25000

20000

15000

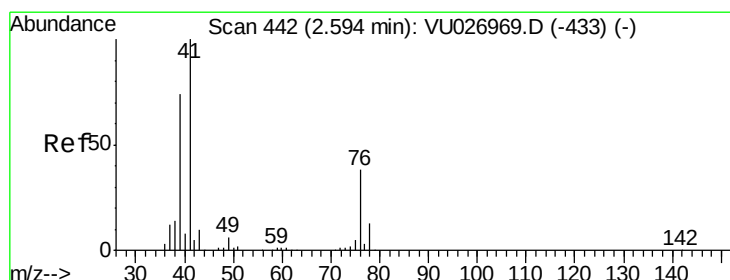
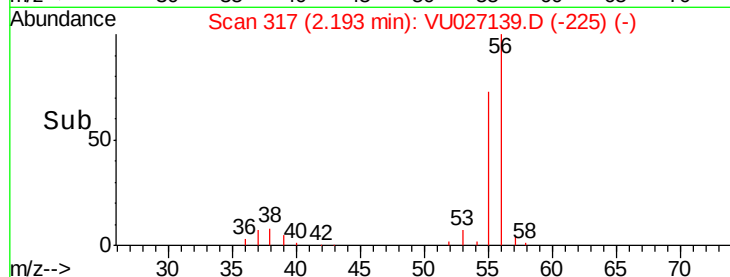
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 52.286 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

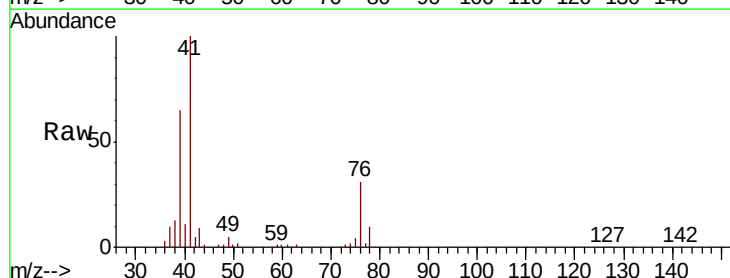
Tgt Ion: 41 Resp: 118602

Ion Ratio Lower Upper

41 100

39 67.7 55.7 83.5

76 30.9 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.59

80000

60000

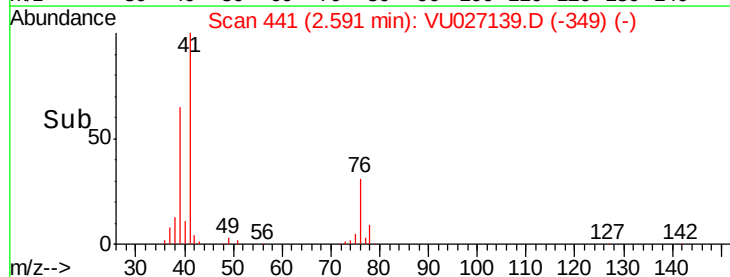
40000

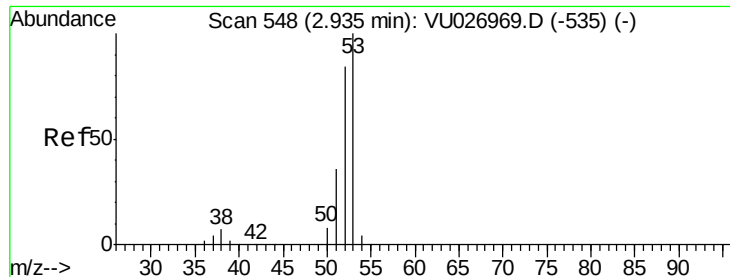
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 256.740 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

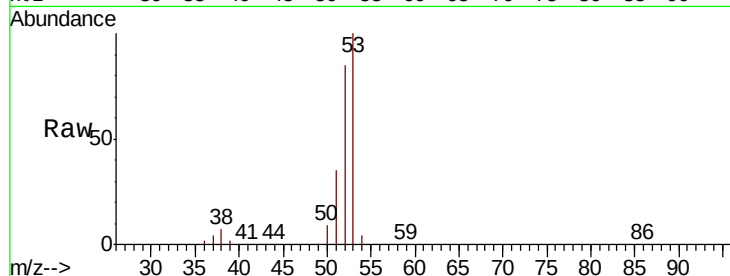
Tot Ion: 53 Resp: 241716

Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.7	98.5
51	36.0	27.4	41.2

53 100

52 83.4 65.7 98.5

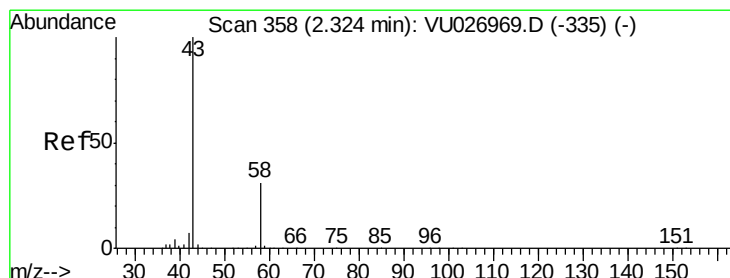
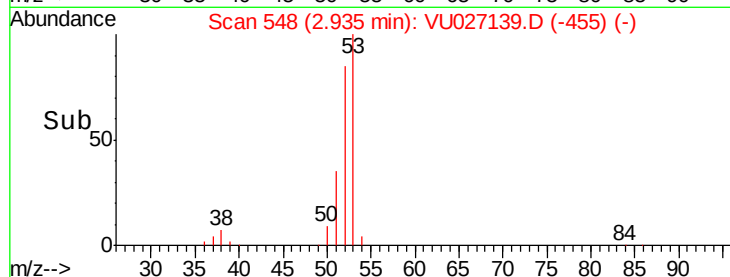
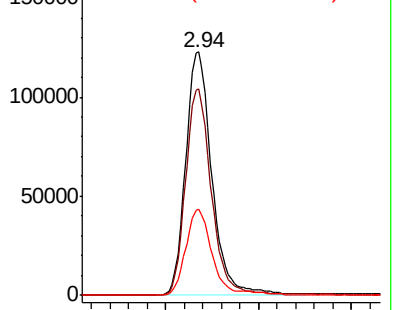
51 36.0 27.4 41.2



Abundance Ion 53.00 (52.70 to 53.70): VU026969.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU026969.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU026969.D (-535) (-)



#16

Acetone

Concen: 257.042 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027139.D

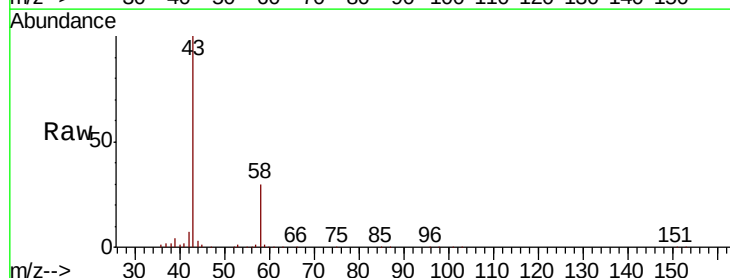
Acq: 25 Sep 2018 20:17

Tgt Ion: 43 Resp: 222117

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8

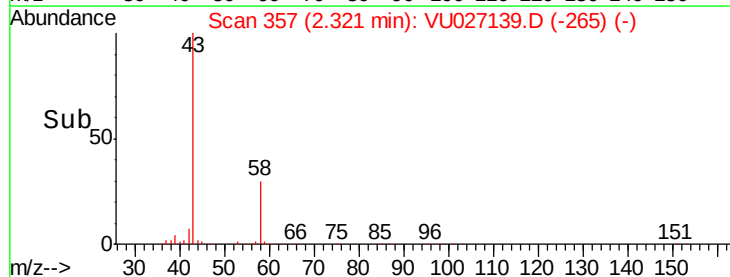
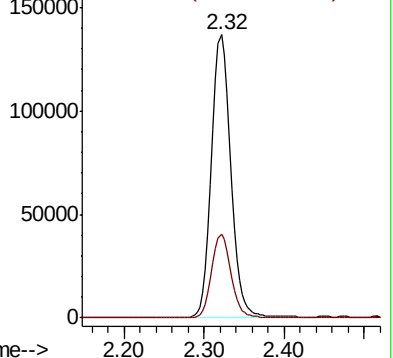
43 100

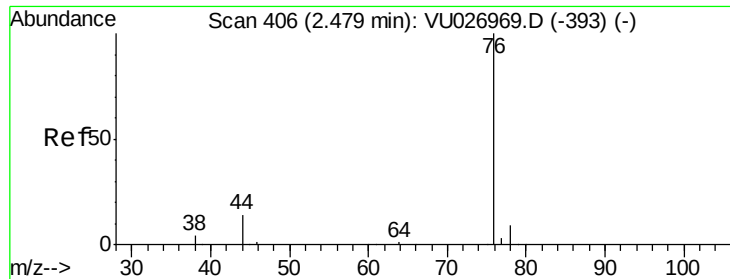
58 29.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)

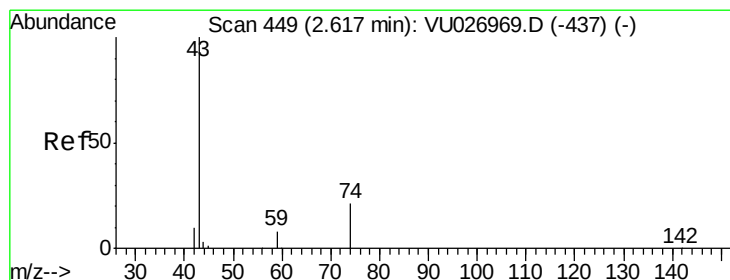
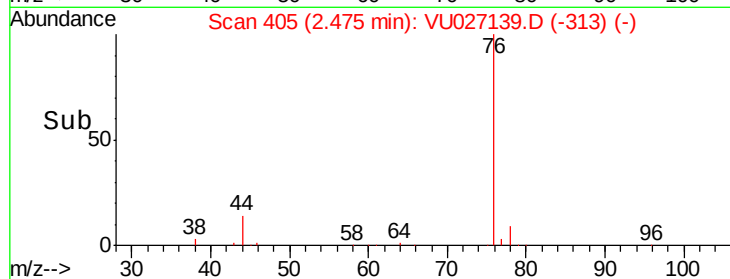
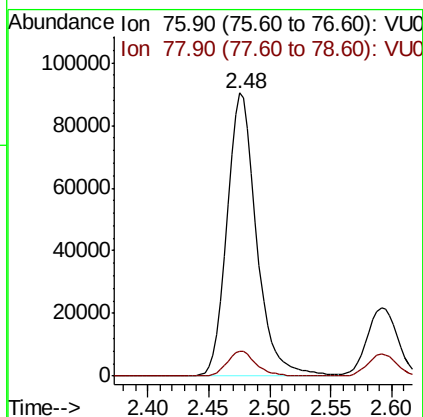
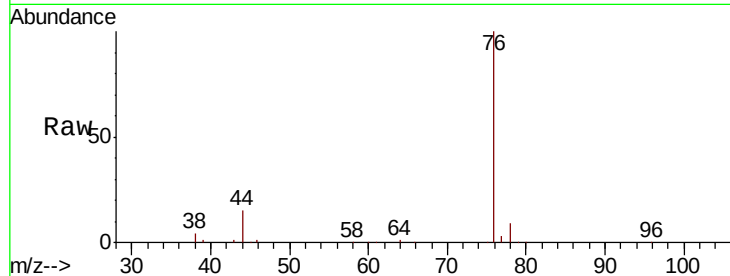




#17
Carbon Disulfide
Concen: 42.028 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

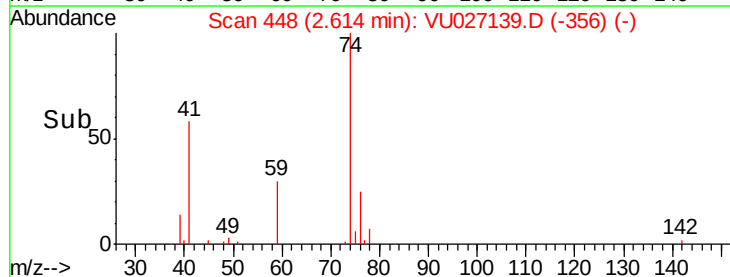
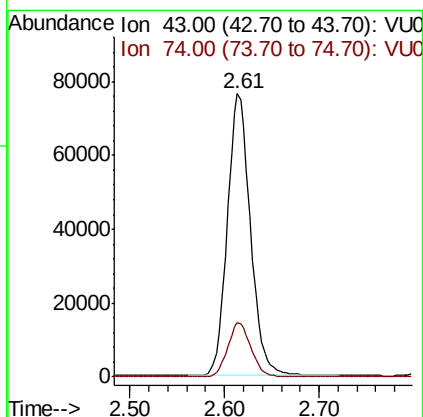
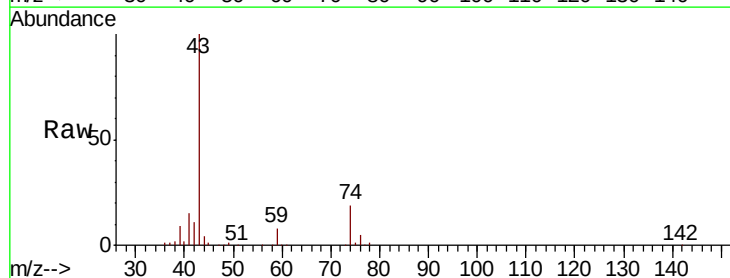
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

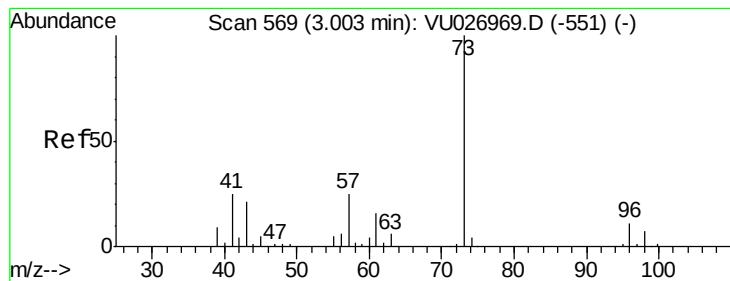
Tot Ion: 76 Resp: 153121
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 55.894 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 43 Resp: 129654
Ion Ratio Lower Upper
43 100
74 19.5 16.6 25.0

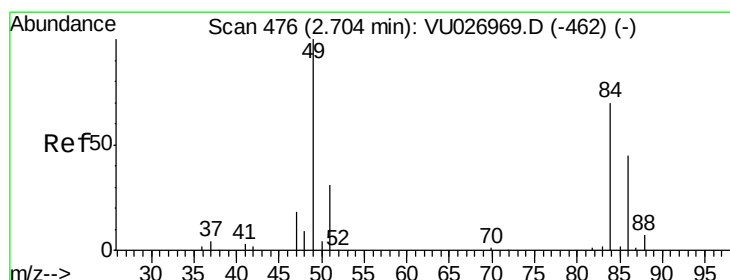
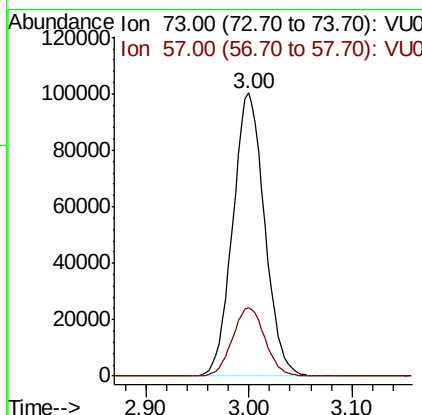
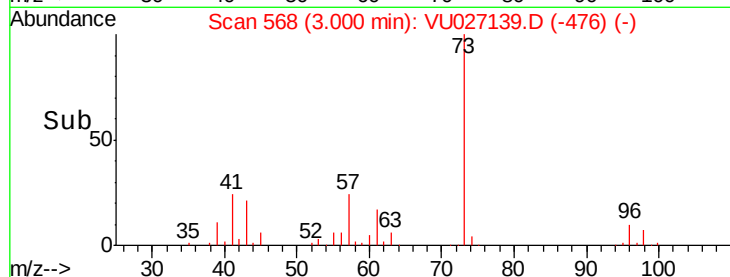
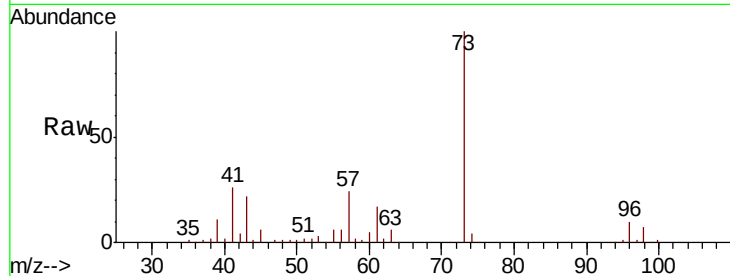




#19
Methyl tert-butyl Ether
Concen: 52.396 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

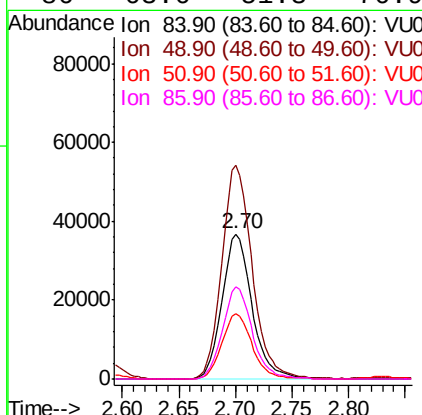
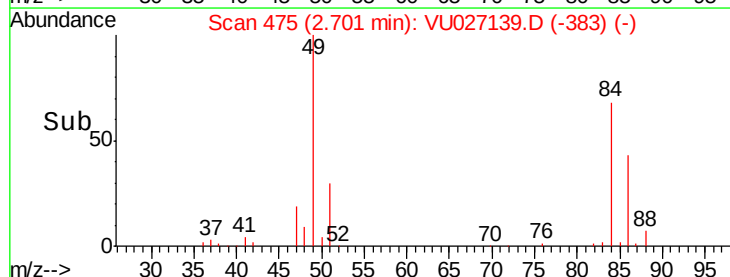
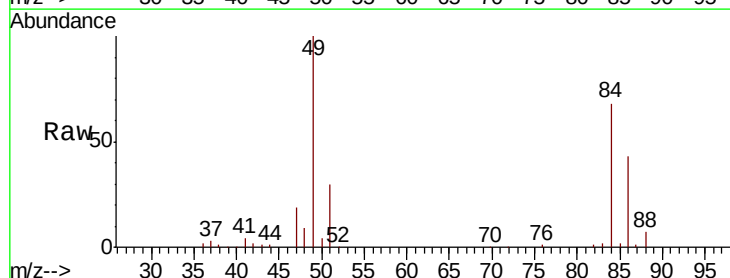
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

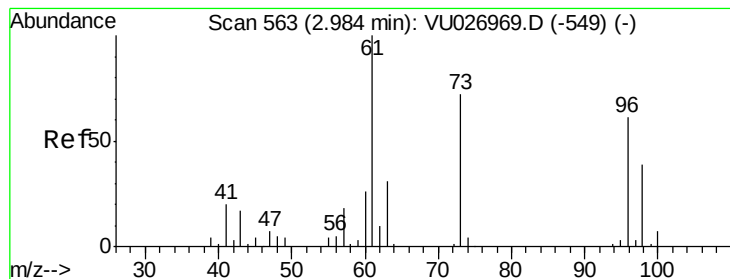
Tot Ion: 73 Resp: 215335
Ion Ratio Lower Upper
73 100
57 24.0 19.8 29.6



#20
Methylene Chloride
Concen: 46.410 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 84 Resp: 67738
Ion Ratio Lower Upper
84 100
49 147.1 114.9 172.3
51 44.8 35.8 53.8
86 63.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 47.364 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

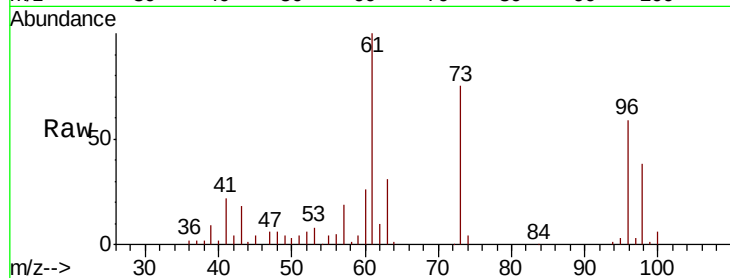
Tot Ion: 96 Resp: 56555

Ion Ratio Lower Upper

96 100

61 170.7 131.8 197.6

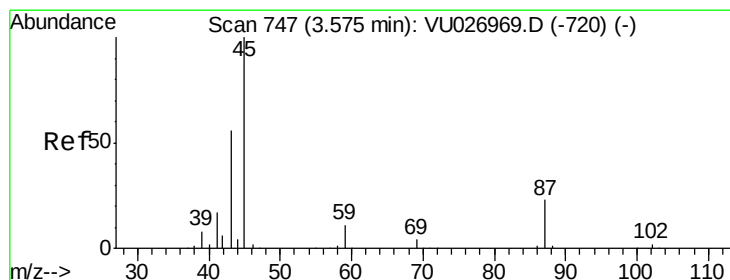
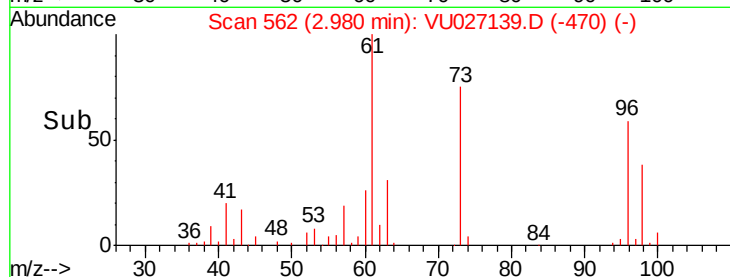
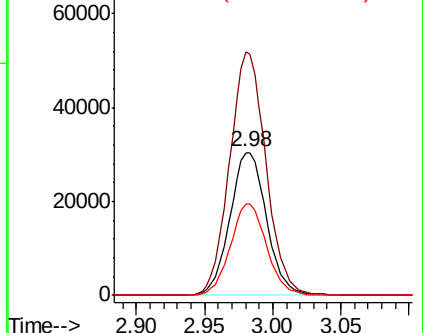
98 64.4 50.9 76.3



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: 55.870 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion: 45 Resp: 271066

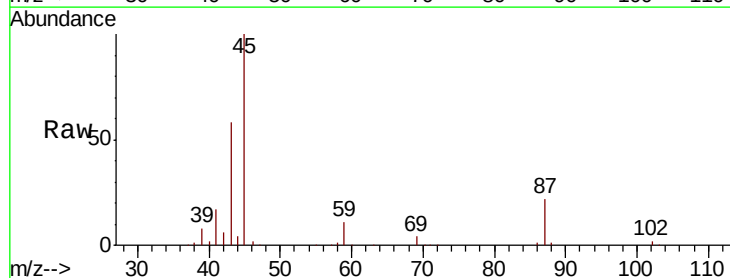
Ion Ratio Lower Upper

45 100

43 55.7 45.8 68.6

87 21.6 18.6 28.0

59 10.9 9.0 13.4

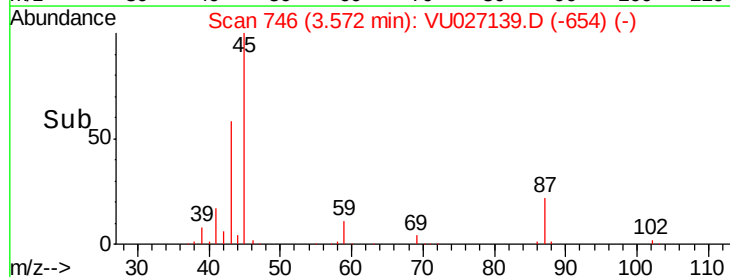
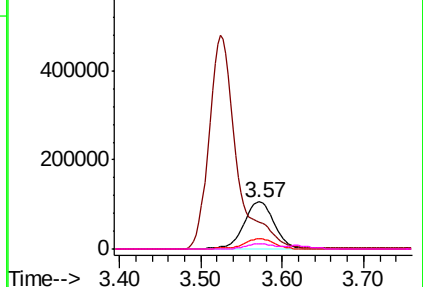


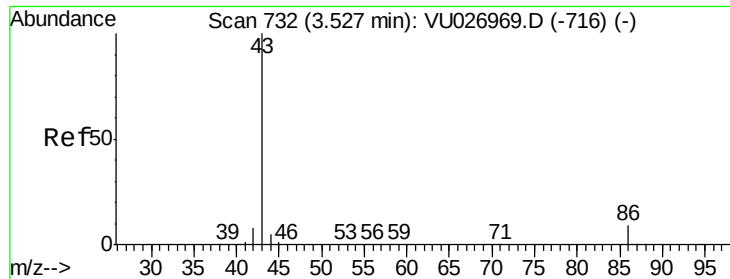
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 274.989 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

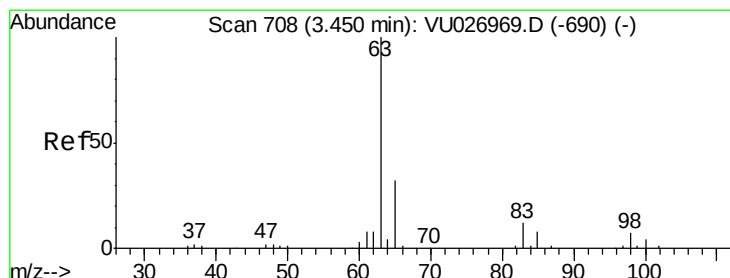
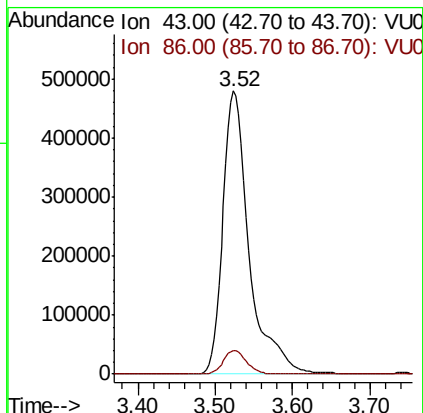
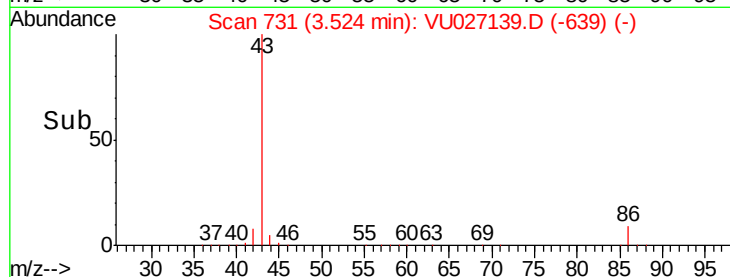
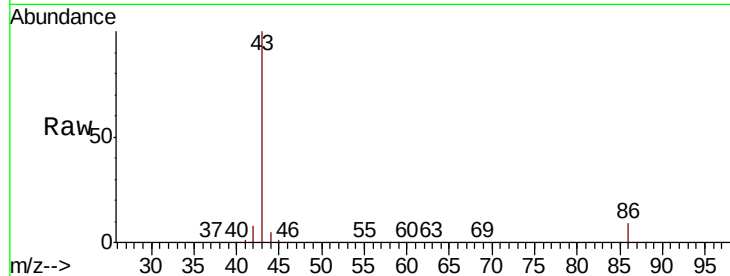
VSTDCCC050

Tot Ion: 43 Resp: 1137280

Ion Ratio Lower Upper

43 100

86 8.5 7.2 10.8



#24

1,1-Dichloroethane

Concen: 50.851 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

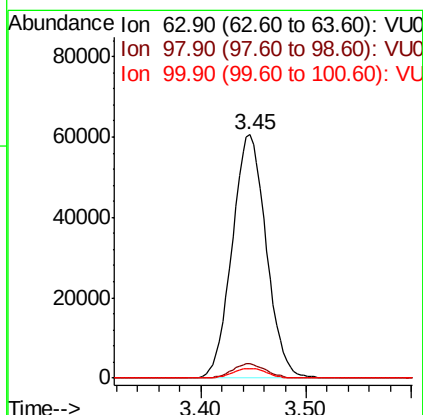
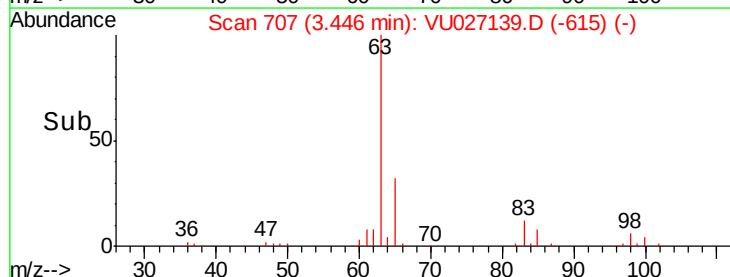
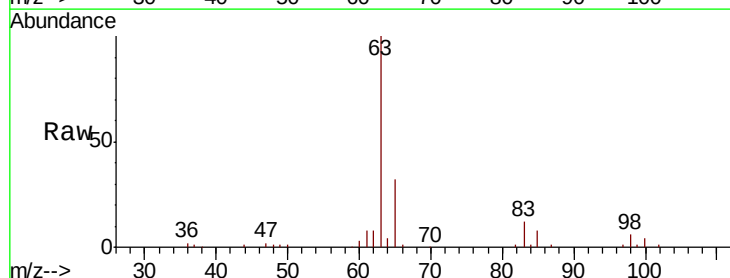
Tgt Ion: 63 Resp: 135883

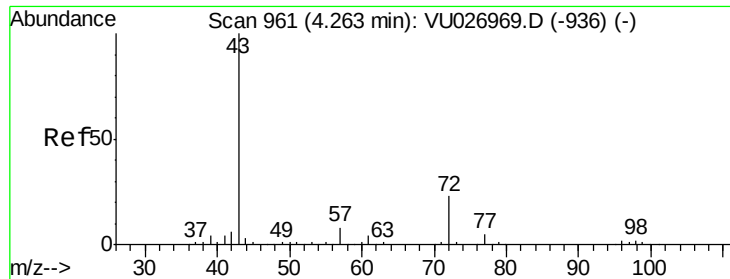
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 257.473 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

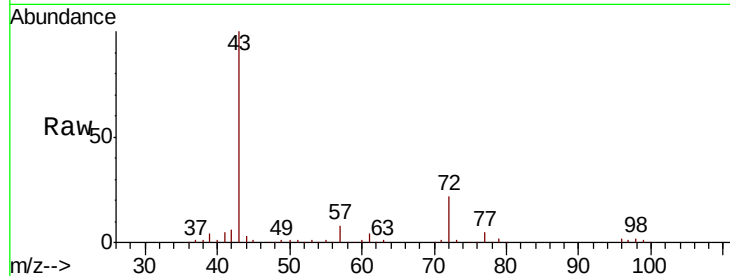
VSTDCCC050

Tot Ion: 43 Resp: 352638

Ion Ratio Lower Upper

43 100

72 21.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

150000

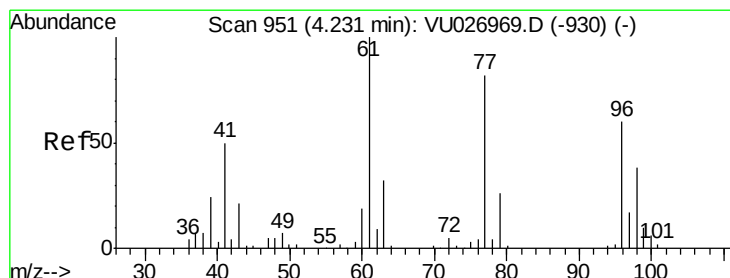
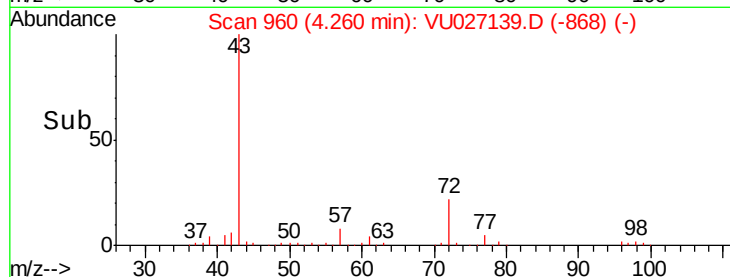
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.207 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027139.D

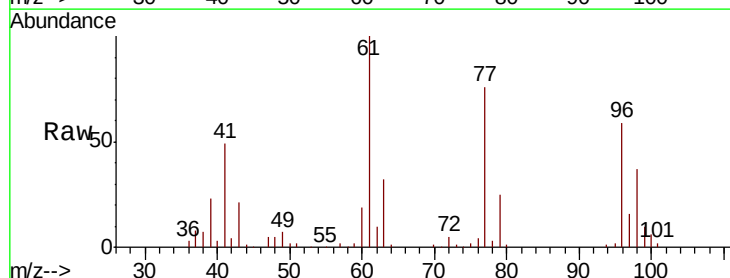
Acq: 25 Sep 2018 20:17

Tgt Ion: 77 Resp: 98376

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

40000

30000

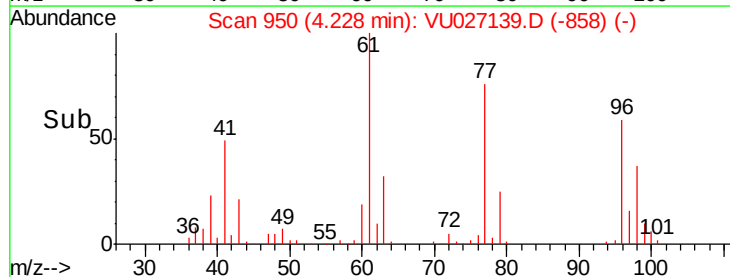
20000

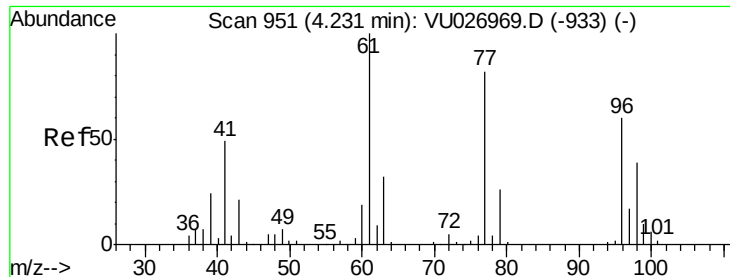
10000

0

4.10 4.20 4.30

Time-->



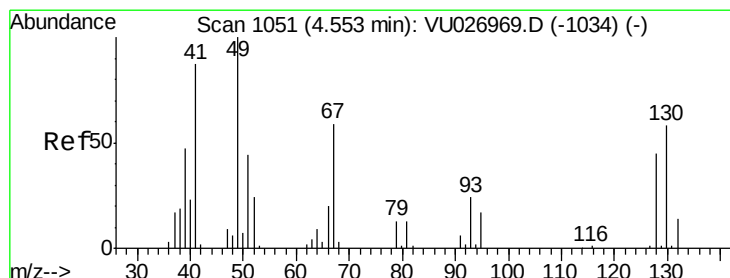
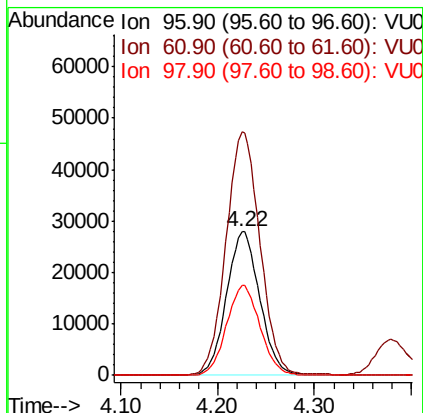
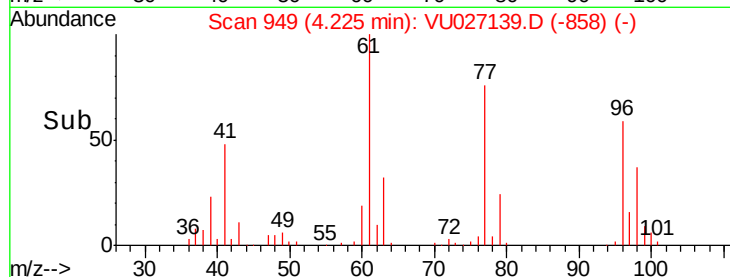
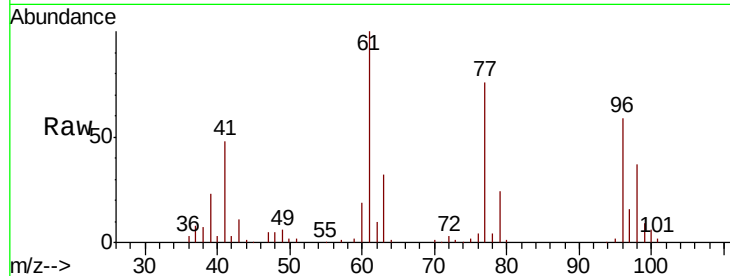


#27

cis-1,2-Dichloroethene
Concen: 49.415 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

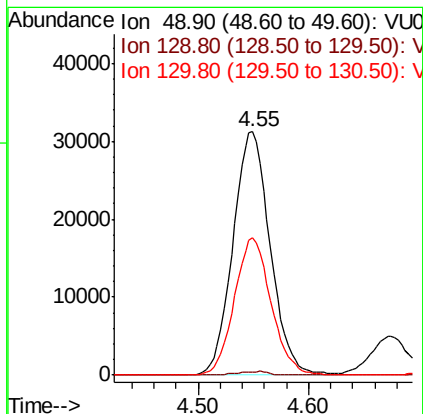
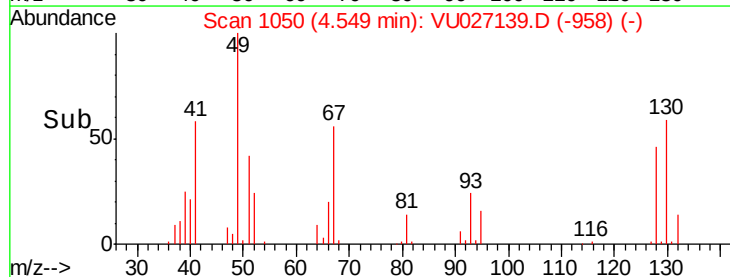
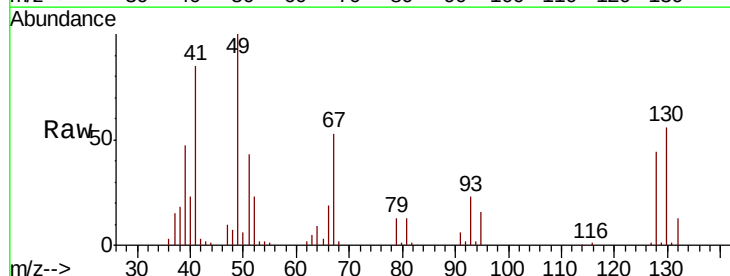
Tot Ion: 96 Resp: 66634
Ion Ratio Lower Upper
96 100
61 173.2 0.0 337.2
98 63.1 0.0 127.6

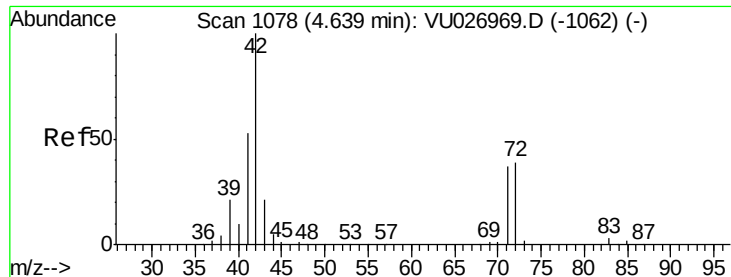


#28

Bromochloromethane
Concen: 56.675 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 49 Resp: 73003
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.0
130 55.6 47.8 71.8

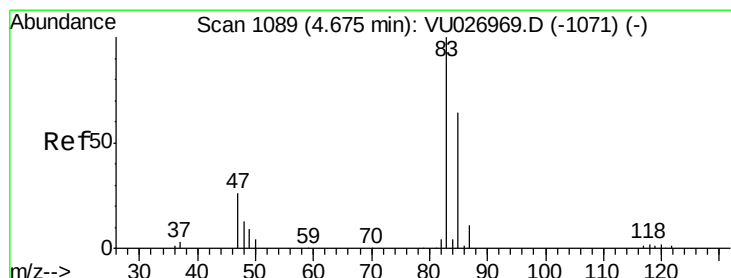
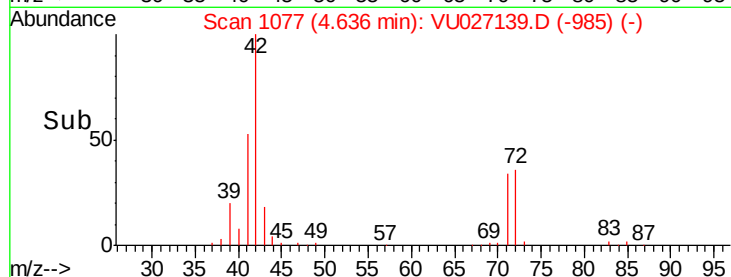
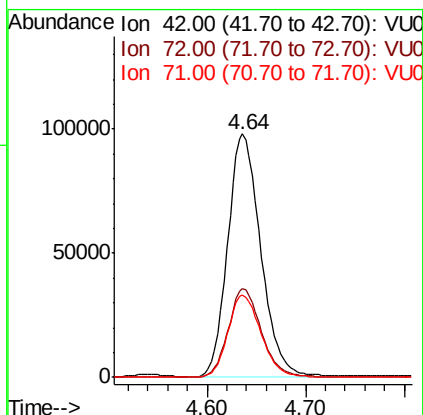
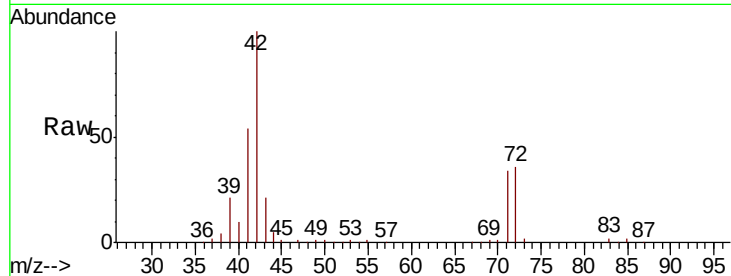




#29
Tetrahydrofuran
Concen: 275.532 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

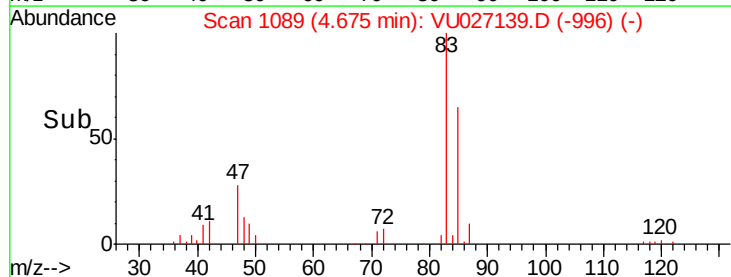
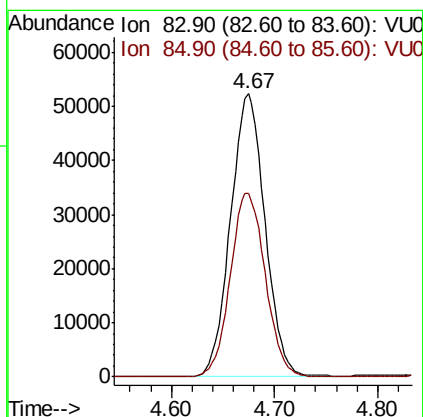
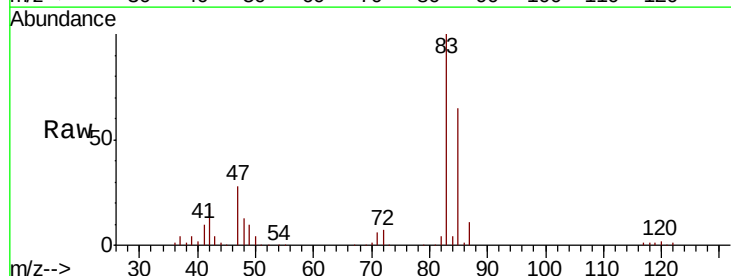
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

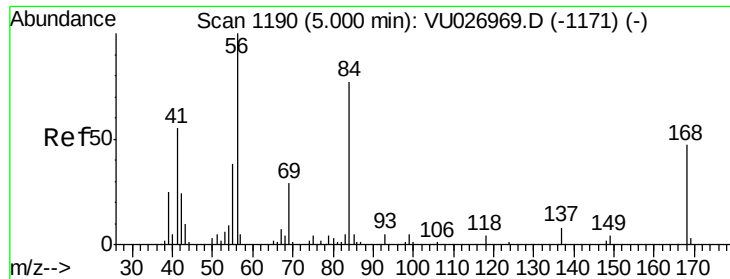
Tot Ion: 42 Resp: 228284
Ion Ratio Lower Upper
42 100
72 36.5 31.7 47.5
71 34.3 29.6 44.4



#30
Chloroform
Concen: 49.180 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 83 Resp: 121986
Ion Ratio Lower Upper
83 100
85 64.7 51.5 77.3

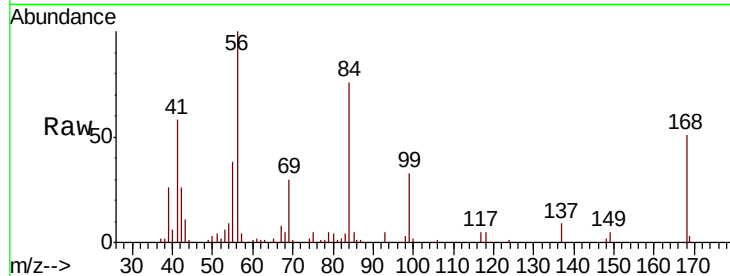




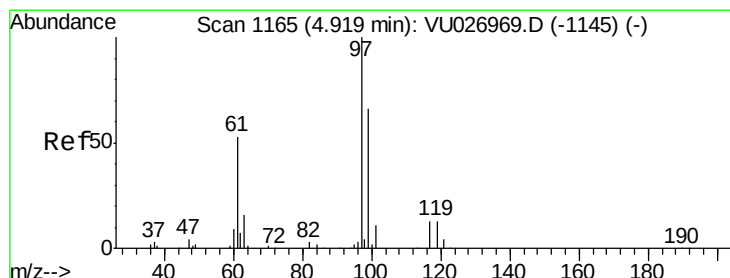
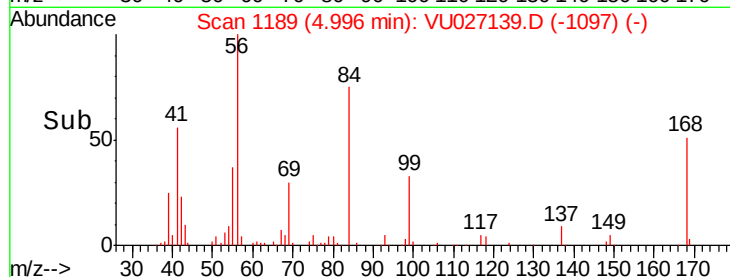
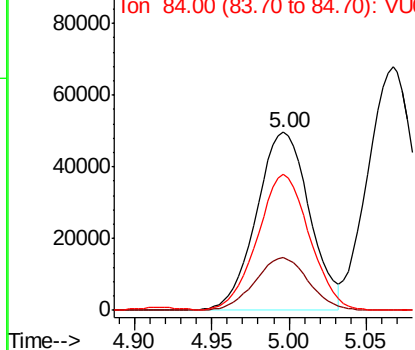
#31
Cyclohexane
Concen: 48.944 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 118917
Ion Ratio Lower Upper
56 100
69 29.5 23.0 34.4
84 75.5 61.4 92.2

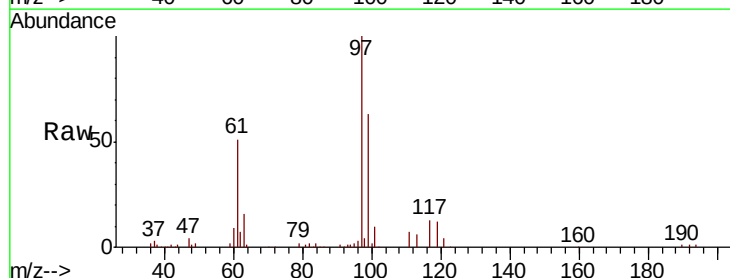


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

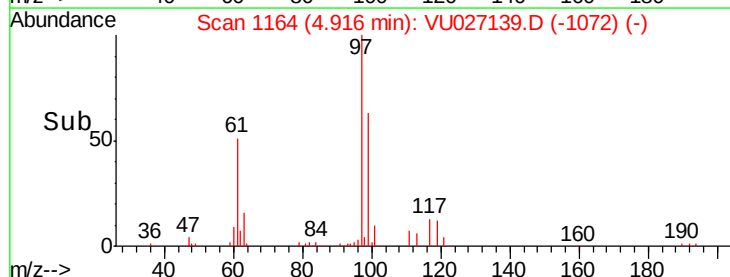
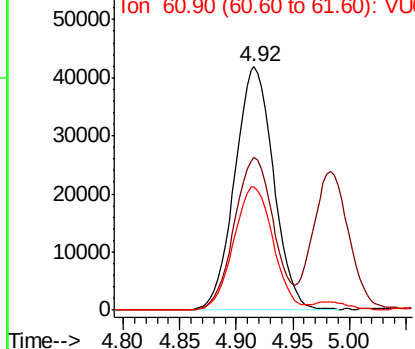


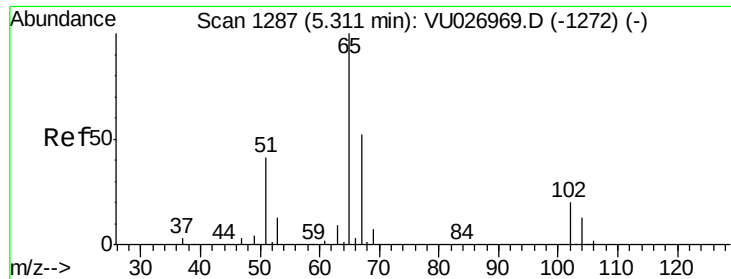
#32
1,1,1-Trichloroethane
Concen: 50.494 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 97 Resp: 99998
Ion Ratio Lower Upper
97 100
99 63.7 51.8 77.6
61 51.6 41.1 61.7



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

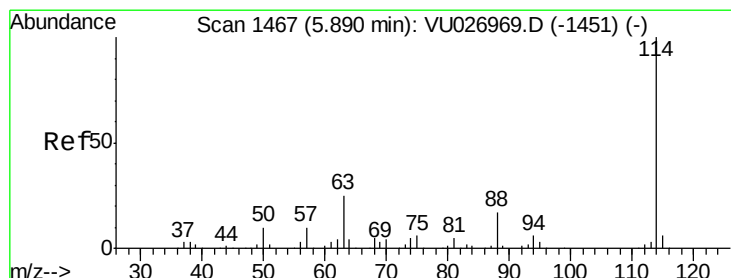
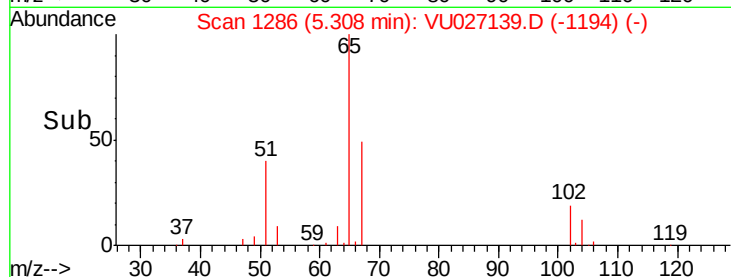
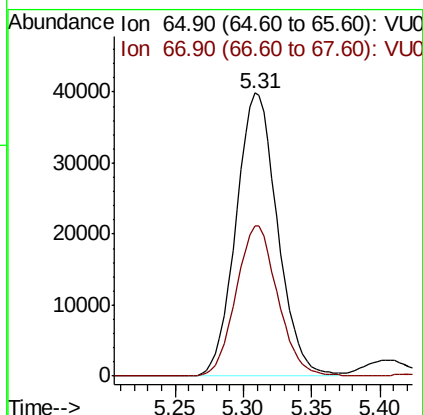
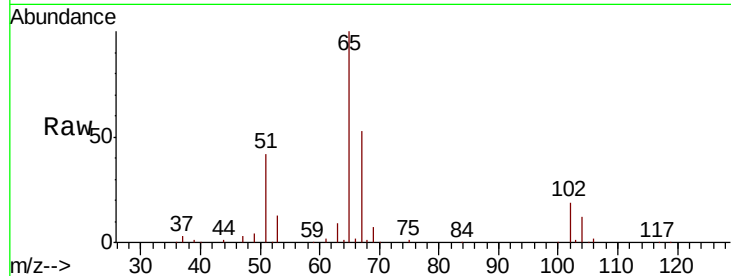




#33
 1,2-Dichloroethane-d4
 Concen: 51.554 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

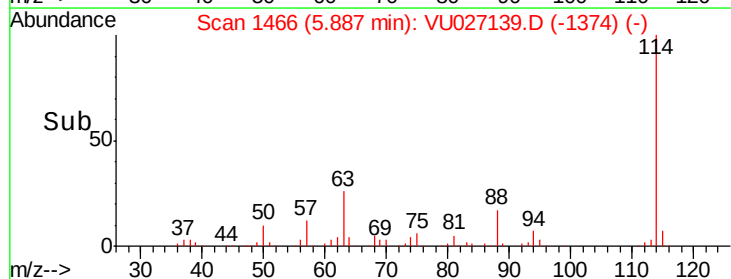
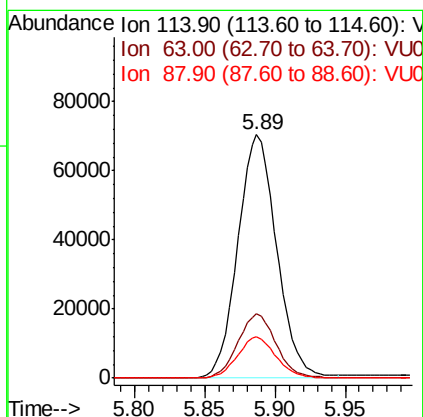
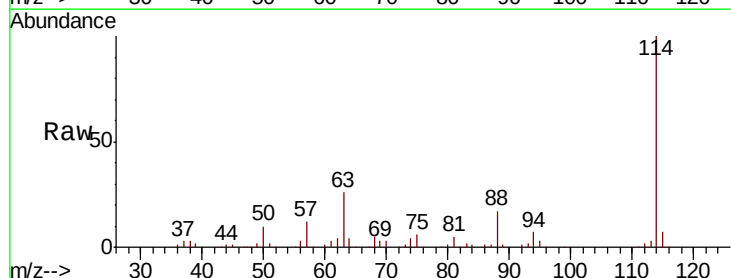
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

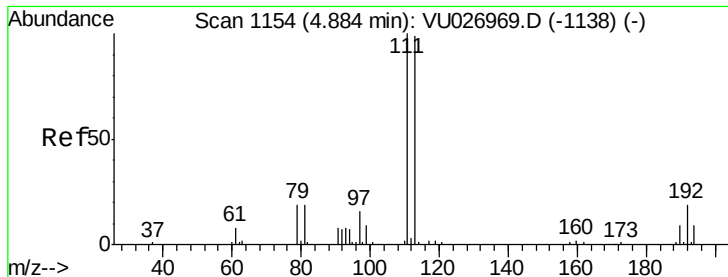
Tot Ion: 65 Resp: 84019
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 114 Resp: 136076
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 49.2
 88 17.0 0.0 33.8

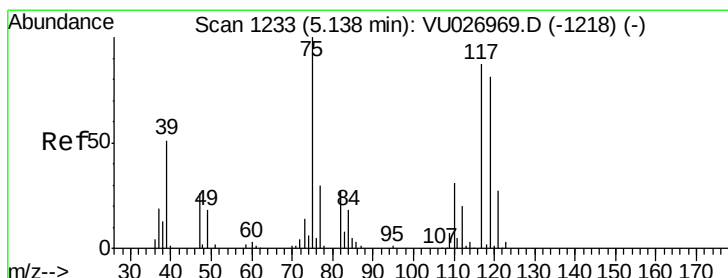
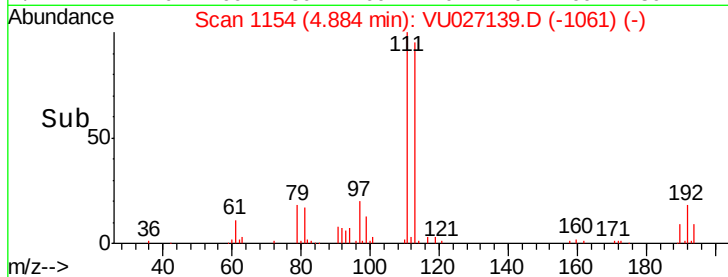
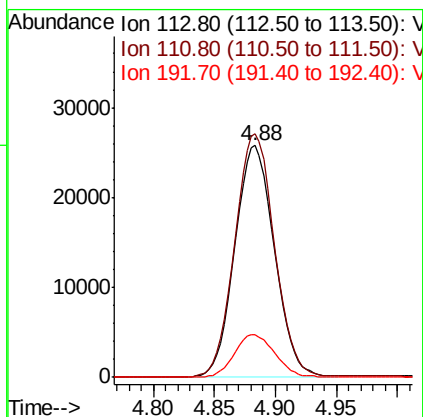
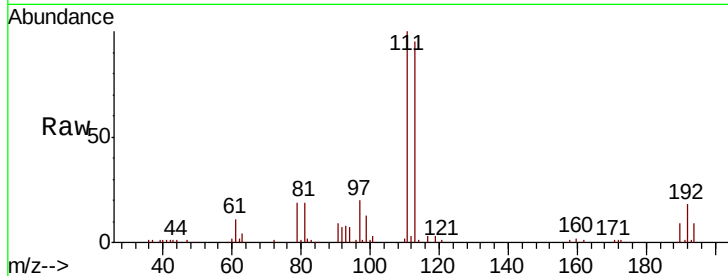




#35
 Dibromofluoromethane
 Concen: 49.224 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

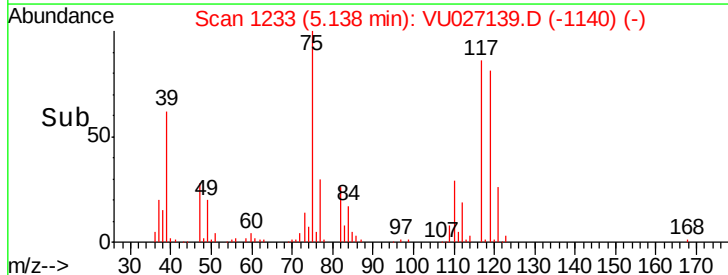
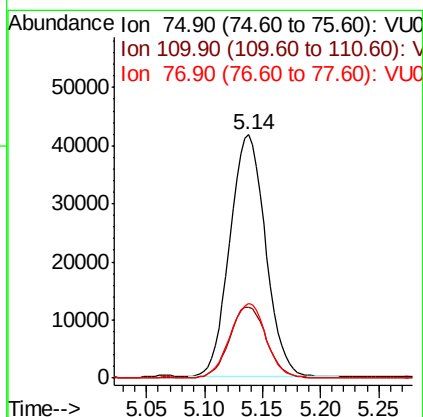
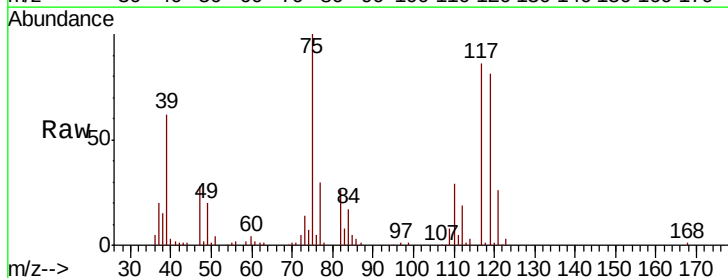
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

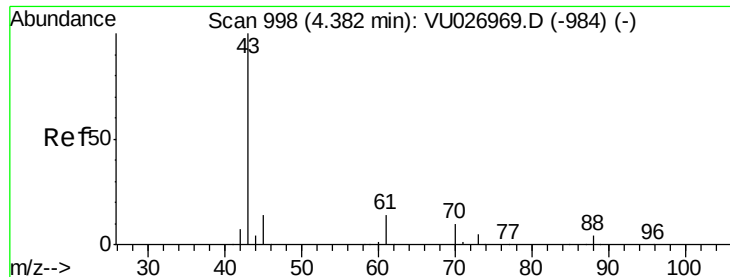
Tot Ion:113 Resp: 58060
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.2 123.4
 192 18.9 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 49.007 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 75 Resp: 89001
 Ion Ratio Lower Upper
 75 100
 110 30.3 16.1 48.2
 77 31.3 24.6 36.8

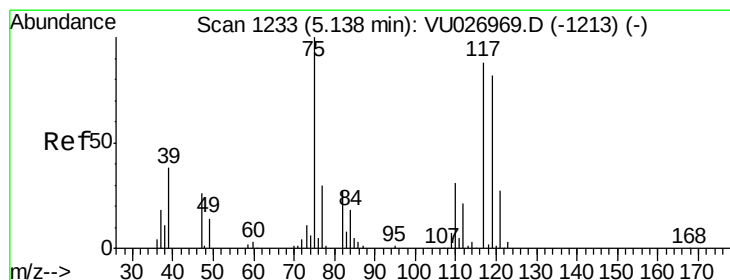
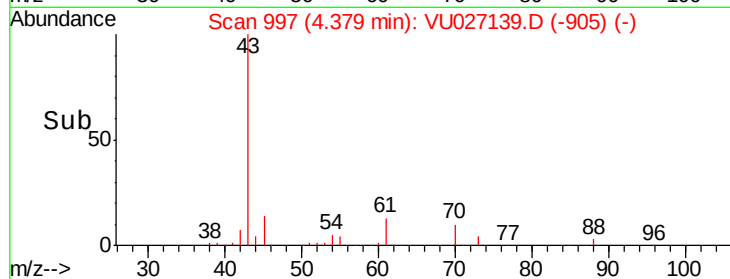
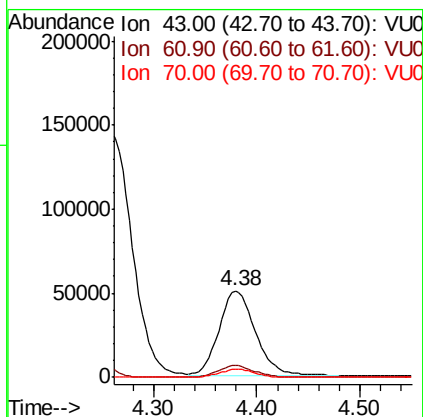
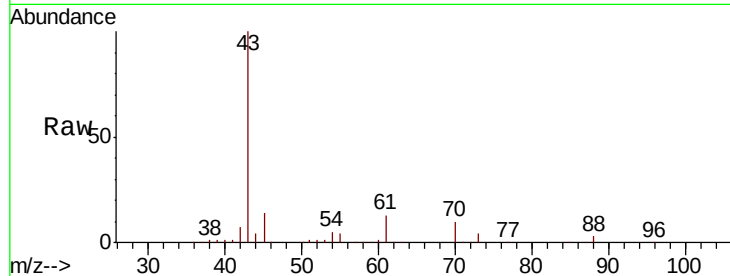




#37
Ethyl Acetate
Concen: 50.818 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

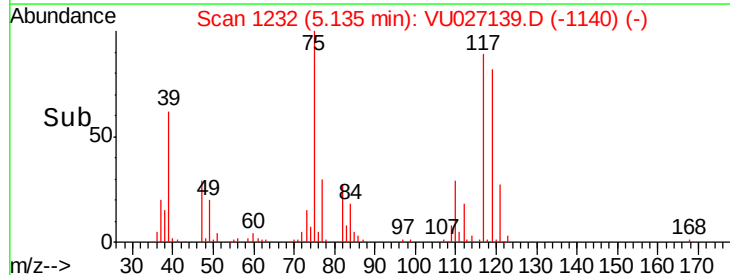
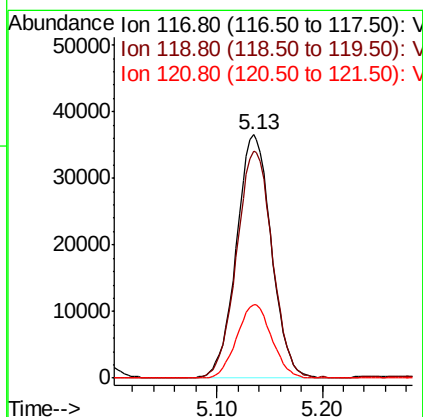
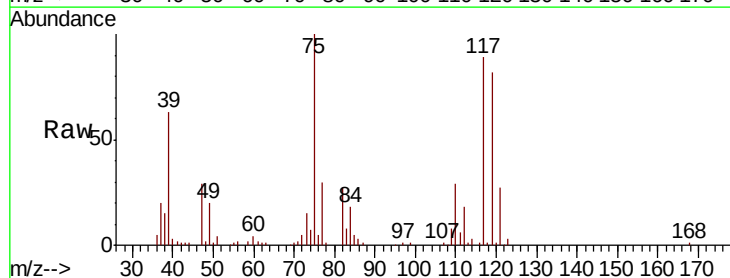
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

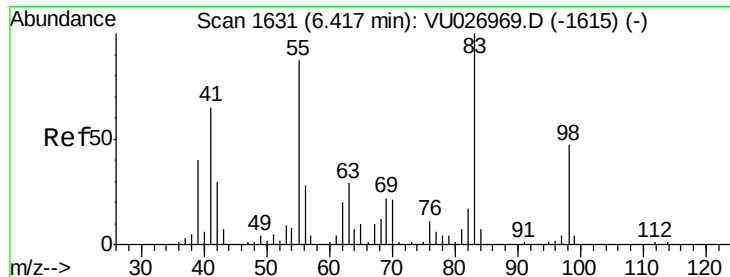
Tot Ion: 43 Resp: 124937
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.1 7.4 11.0



#38
Carbon Tetrachloride
Concen: 48.716 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 117 Resp: 84193
Ion Ratio Lower Upper
117 100
119 93.0 74.4 111.6
121 30.2 24.2 36.4

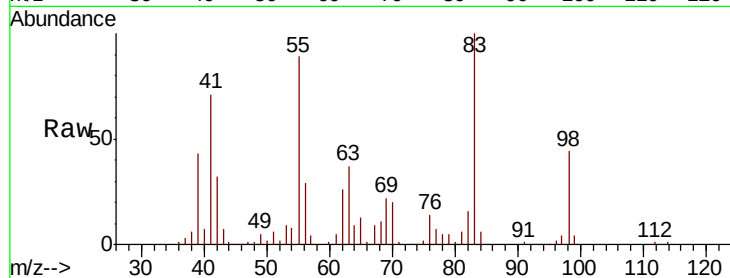




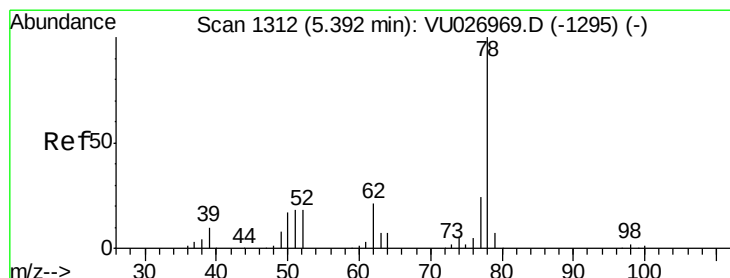
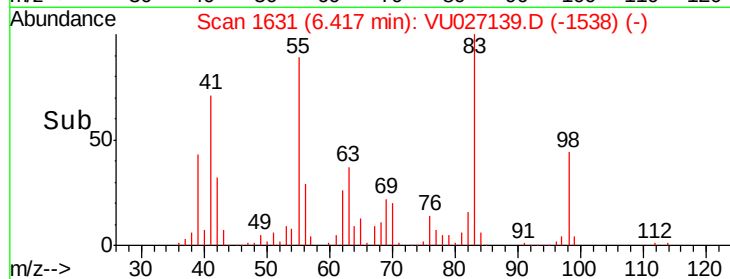
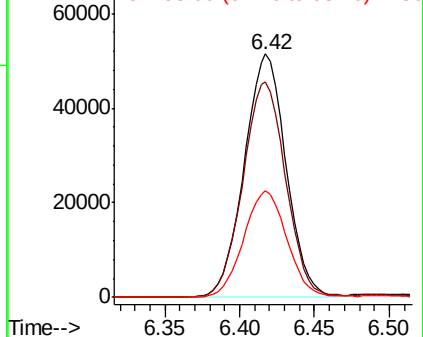
#39
Methylvlcyclohexane
Concen: 50.701 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 100063
Ion Ratio Lower Upper
83 100
55 88.6 69.9 104.9
98 43.6 37.5 56.3

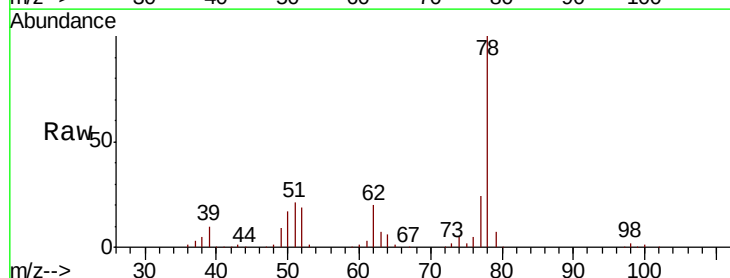


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

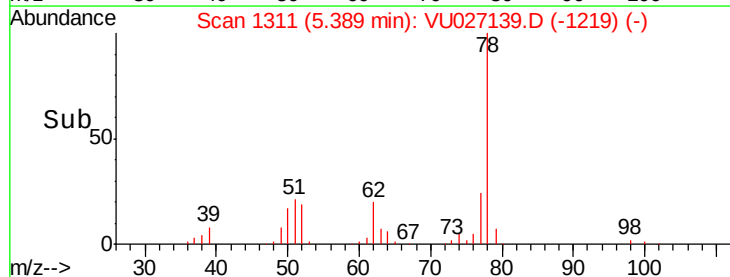
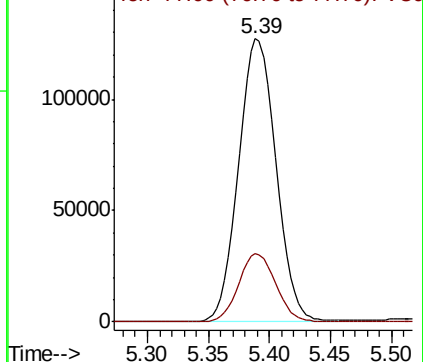


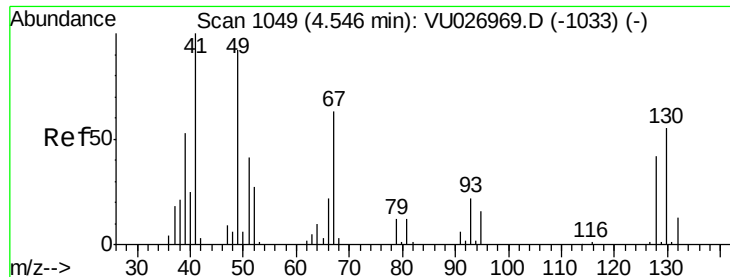
#40
Benzene
Concen: 48.972 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 78 Resp: 270370
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

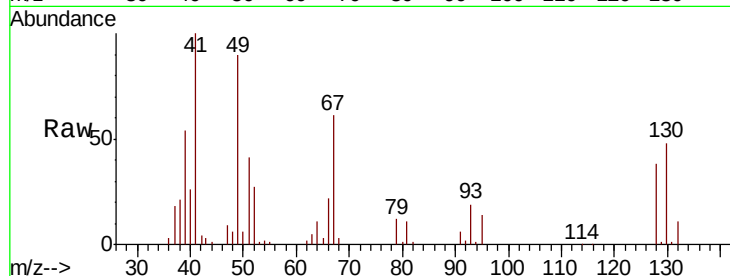




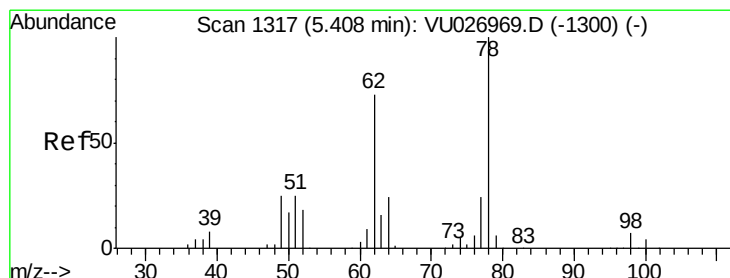
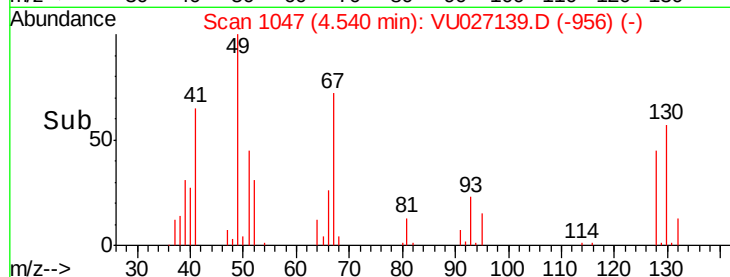
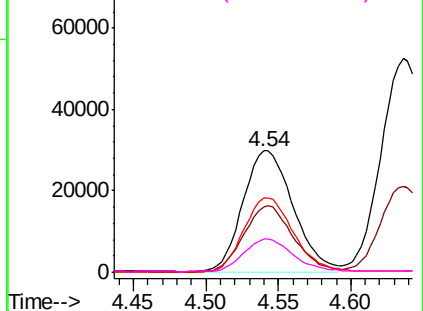
#41
Methacrylonitrile
Concen: 56.241 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	71809
Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.9	64.3
67	61.6	52.4	78.6
52	26.2	21.3	31.9

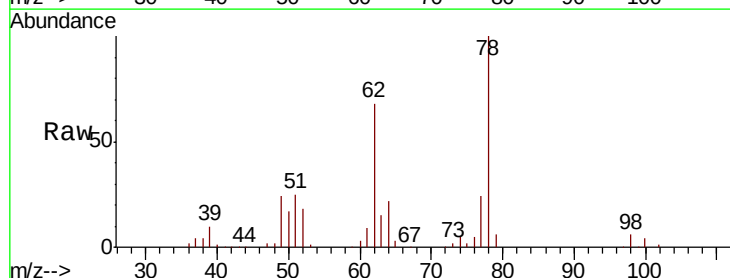


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

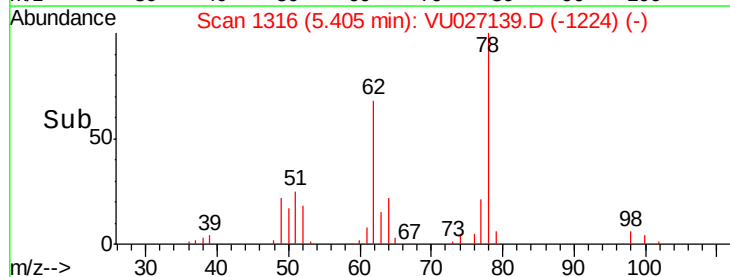
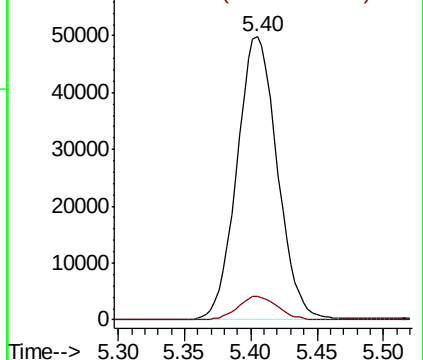


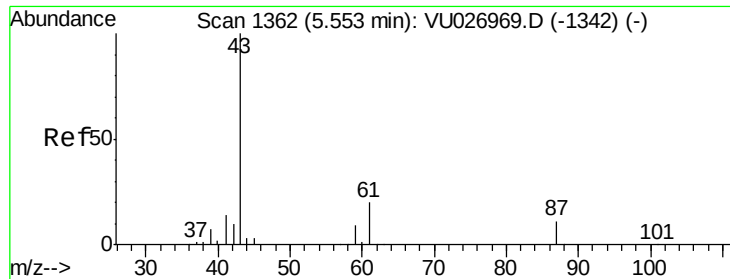
#42
1,2-Dichloroethane
Concen: 50.658 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion:	62	Resp:	105666
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 54.589 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

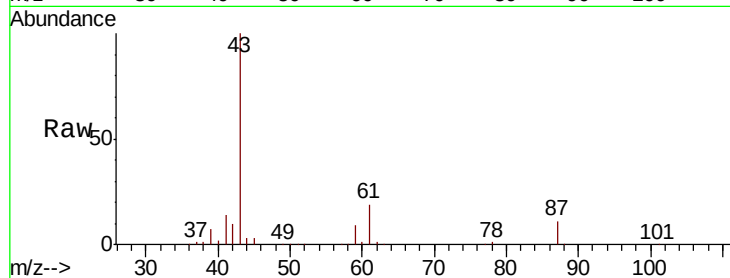
Tot Ion: 43 Resp: 195725

Ion Ratio Lower Upper

43 100

61 18.7 15.7 23.5

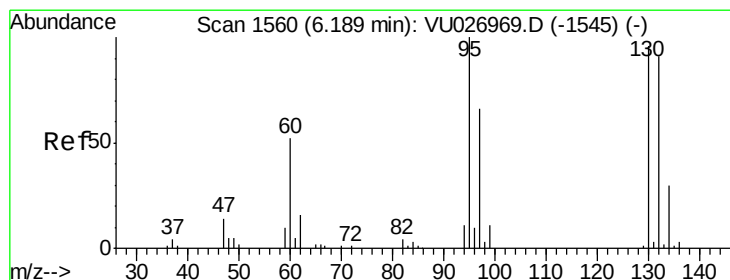
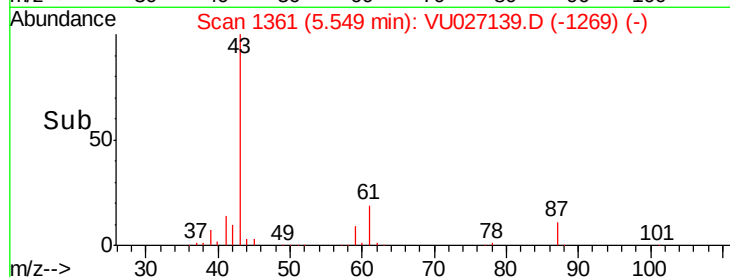
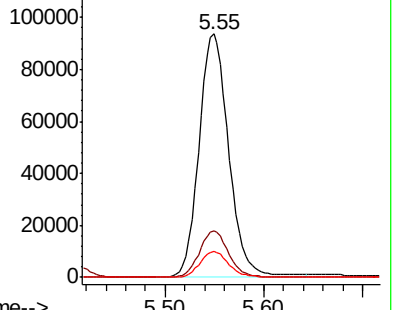
87 10.5 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)



#44

Trichloroethene

Concen: 48.490 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027139.D

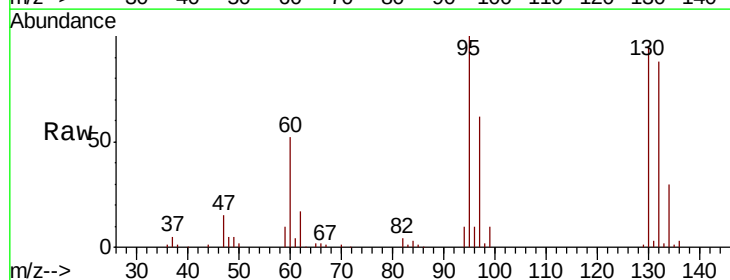
Acq: 25 Sep 2018 20:17

Tgt Ion: 130 Resp: 56992

Ion Ratio Lower Upper

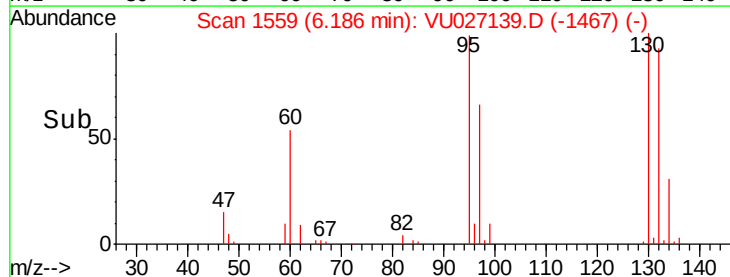
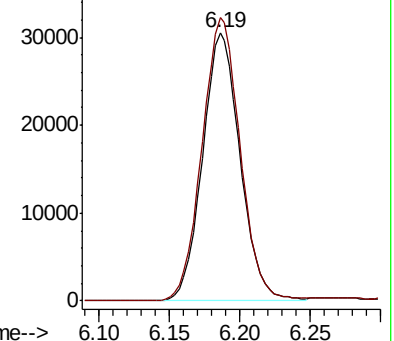
130 100

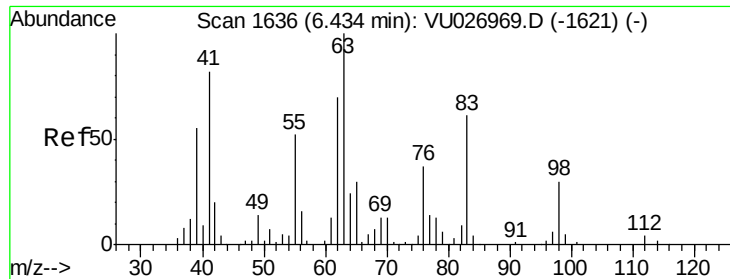
95 105.4 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

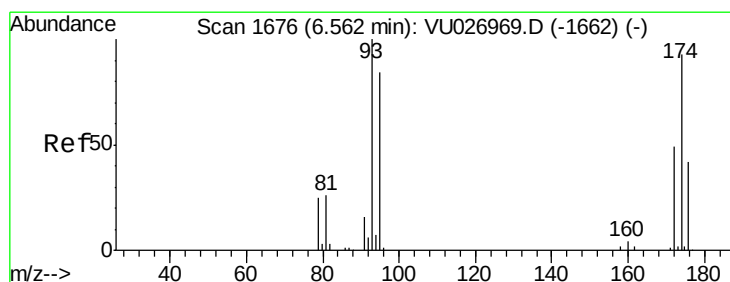
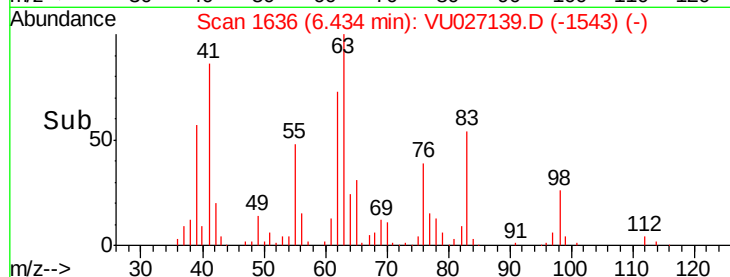
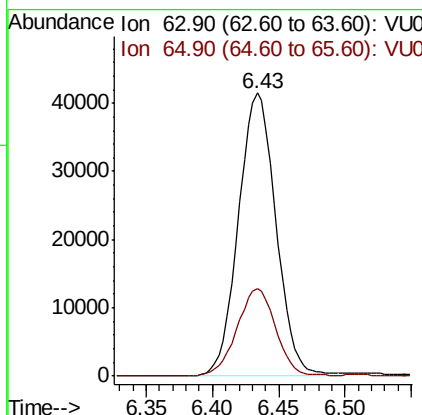
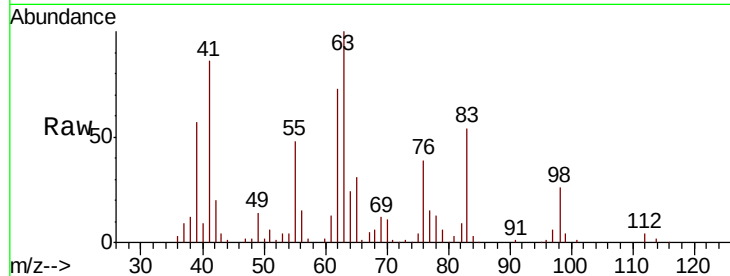




#45
 1,2-Dichloropropane
 Concen: 52.069 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

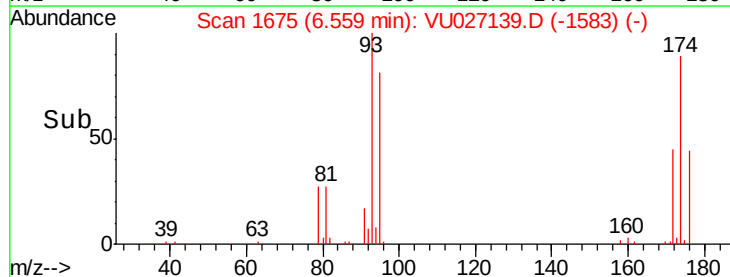
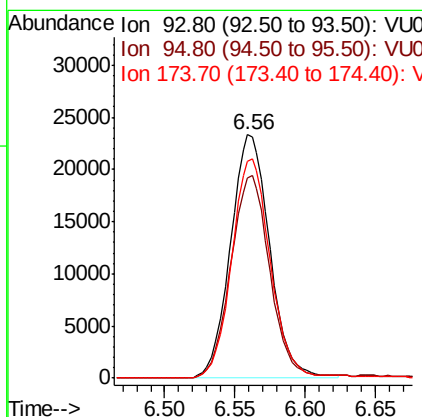
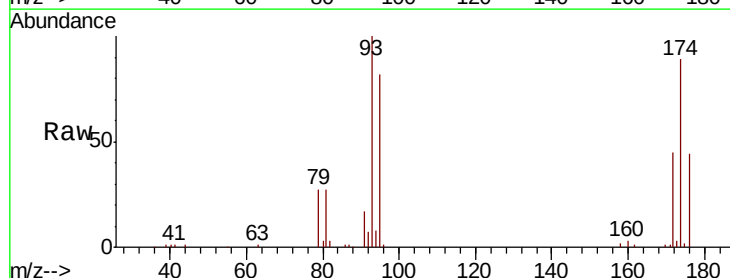
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

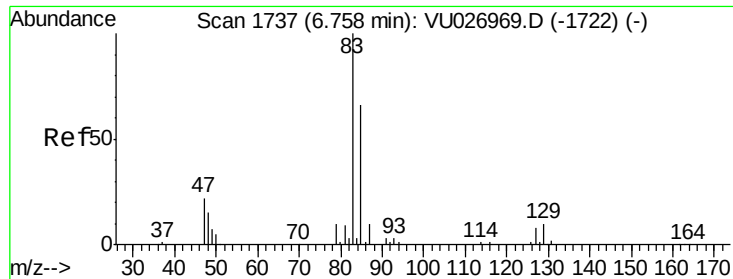
Tot Ion: 63 Resp: 81910
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.3 36.5



#46
 Dibromomethane
 Concen: 47.776 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 93 Resp: 45390
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.4
 174 88.3 71.7 107.5

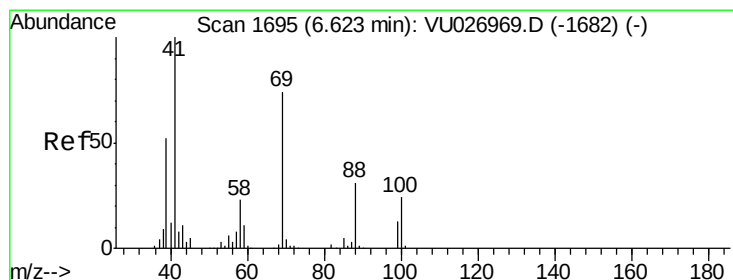
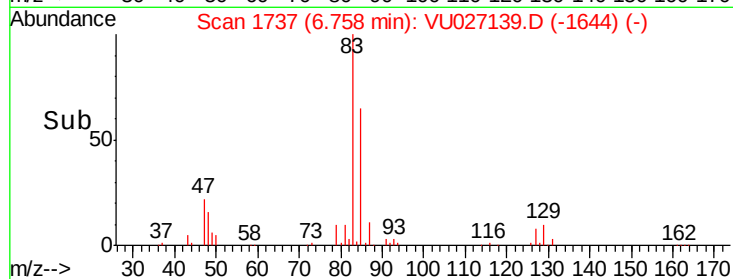
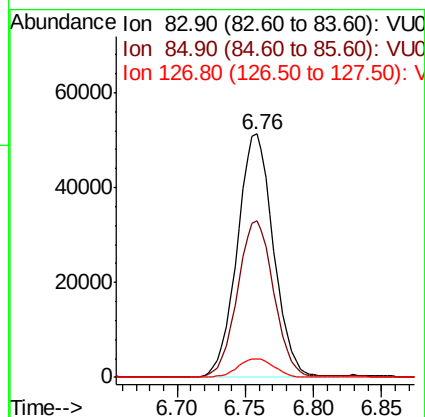
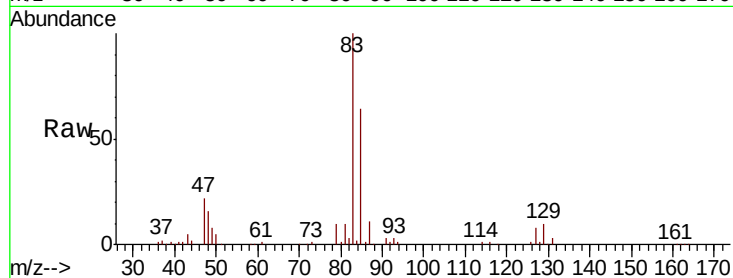




#47
Bromodichloromethane
Concen: 49.263 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

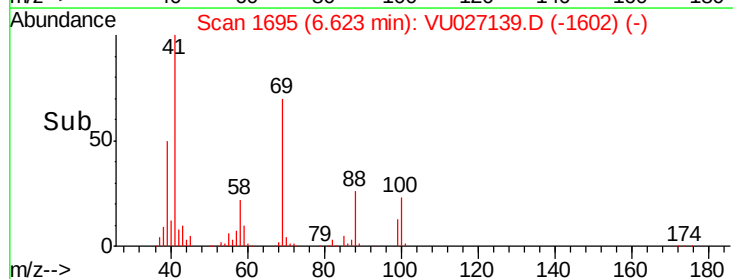
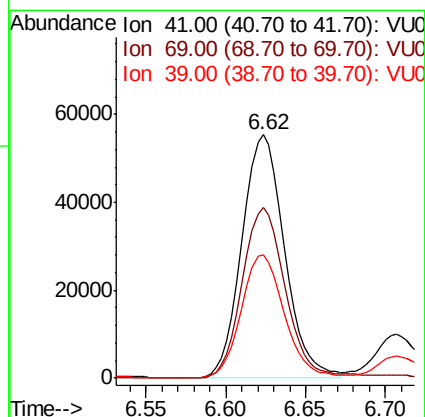
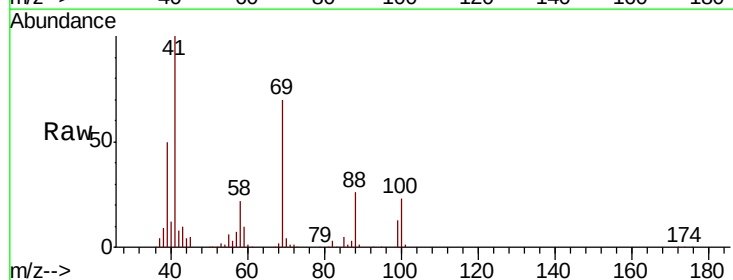
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

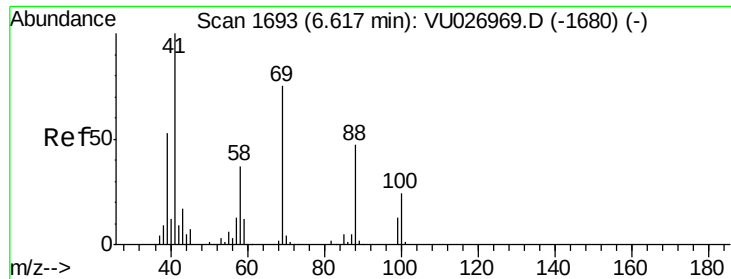
Tot Ion: 83 Resp: 94637
Ion Ratio Lower Upper
83 100
85 64.2 52.5 78.7
127 7.6 6.3 9.5



#48
Methyl methacrylate
Concen: 51.713 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 41 Resp: 100985
Ion Ratio Lower Upper
41 100
69 71.2 60.6 90.8
39 51.4 42.8 64.2

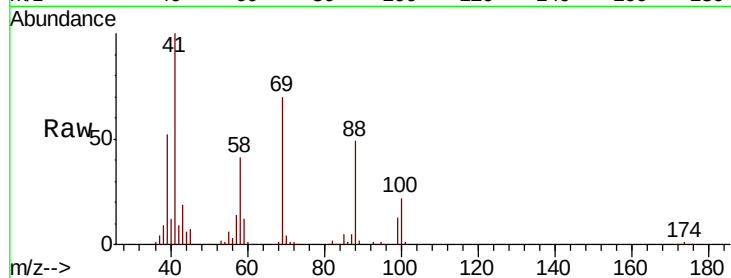




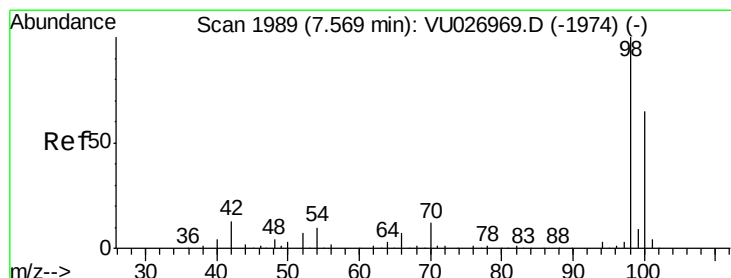
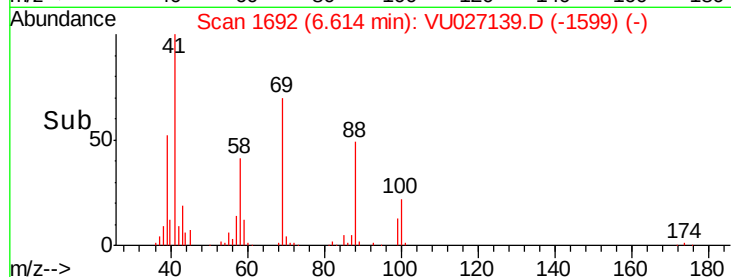
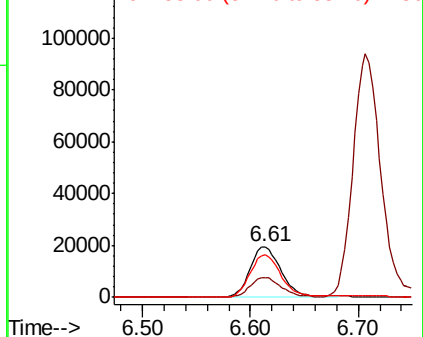
#49
1,4-Dioxane
Concen: 1017.949 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 39450
Ion Ratio Lower Upper
88 100
43 39.4 29.8 44.8
58 83.5 63.9 95.9

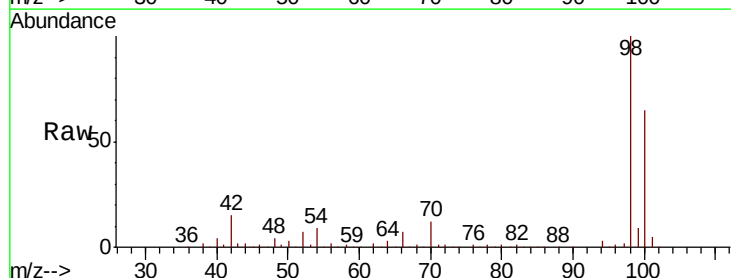


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

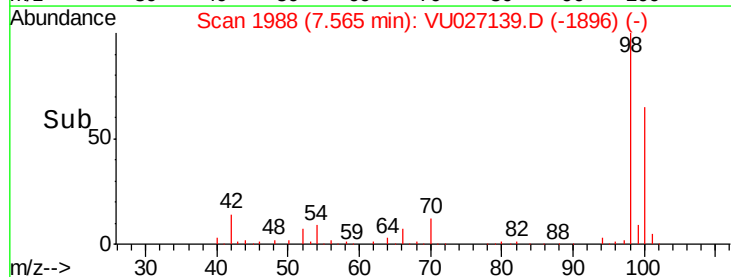
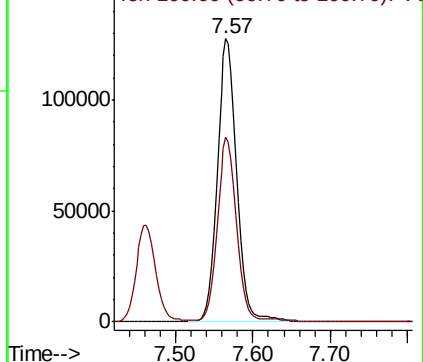


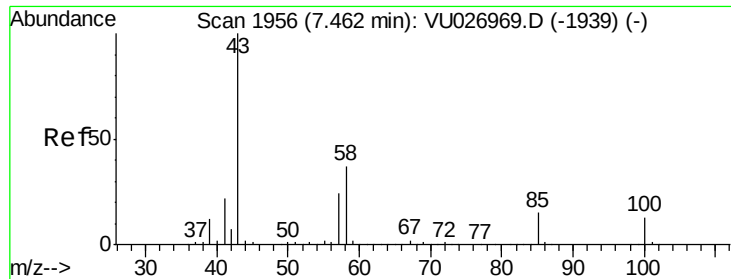
#50
Toluene-d8
Concen: 50.202 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 98 Resp: 225667
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 278.612 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

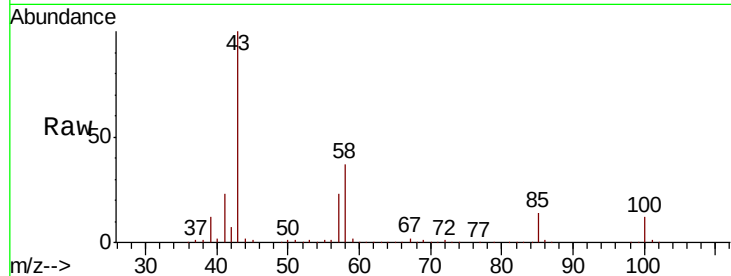
VSTDCCC050

Tot Ion: 43 Resp: 671850

Ion Ratio Lower Upper

43 100

58 36.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

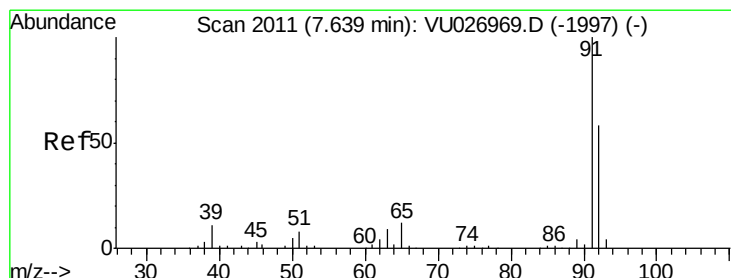
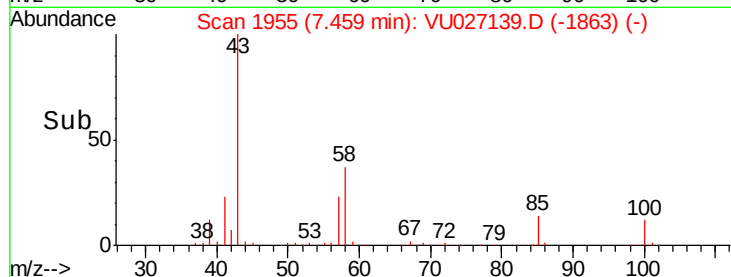
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.880 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027139.D

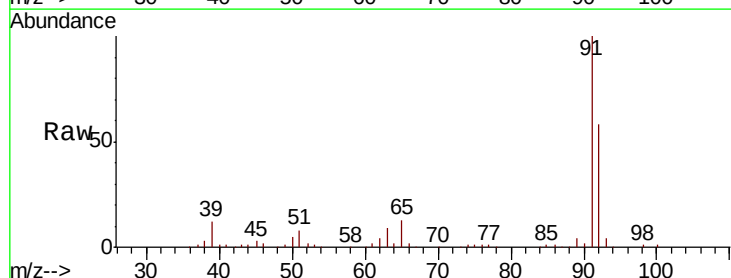
Acq: 25 Sep 2018 20:17

Tgt Ion: 92 Resp: 161014

Ion Ratio Lower Upper

92 100

91 168.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

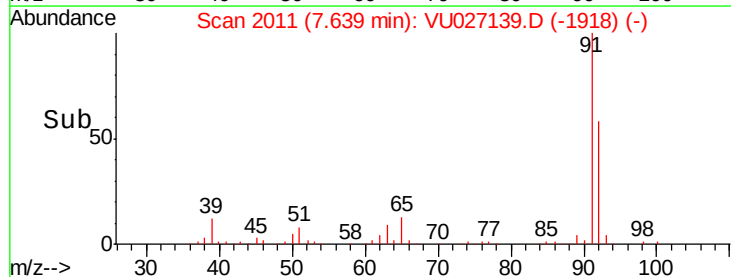
150000

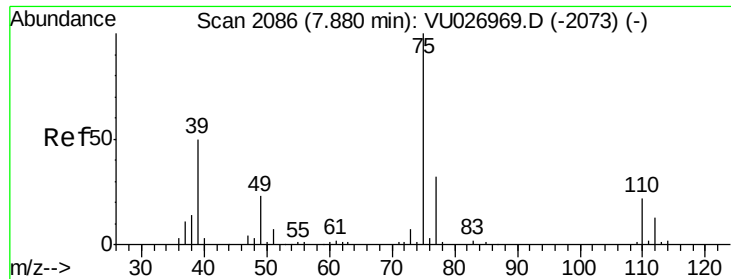
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.264 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

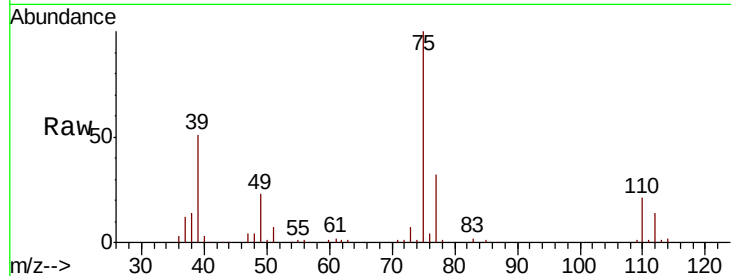
VSTDCCC050

Tot Ion: 75 Resp: 107875

Ion Ratio Lower Upper

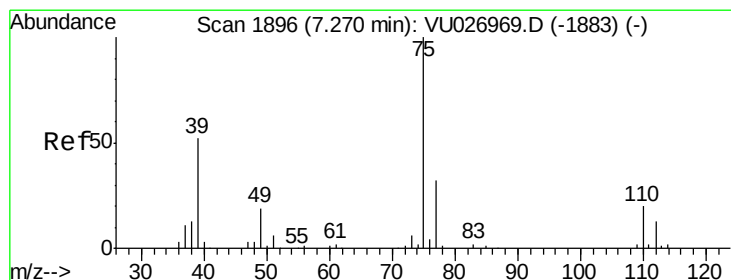
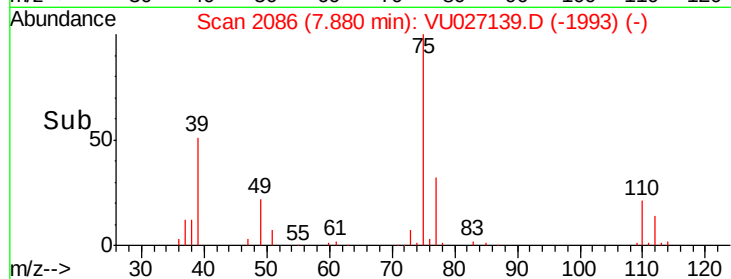
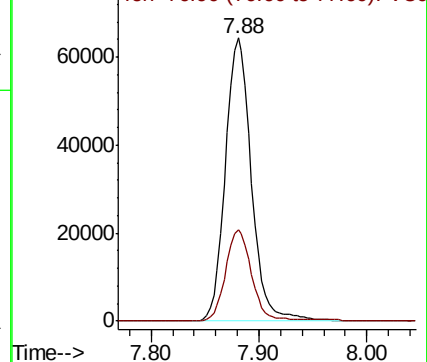
75 100

77 32.4 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 52.200 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

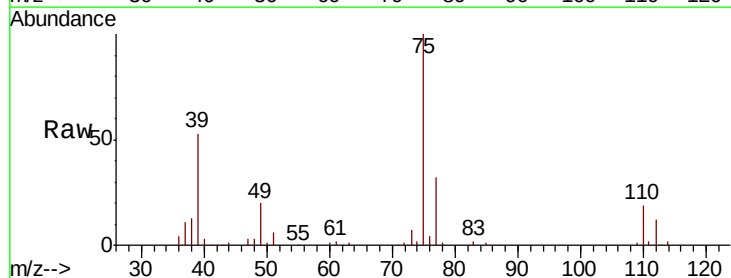
Tgt Ion: 75 Resp: 118466

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

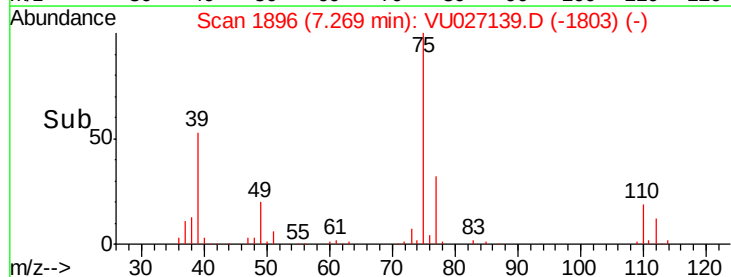
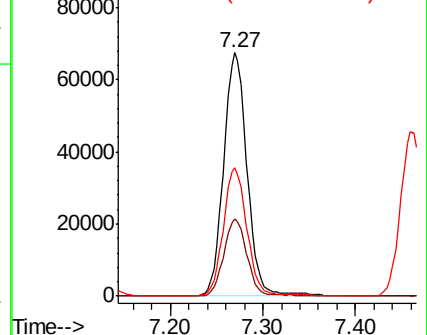
39 52.5 41.6 62.4

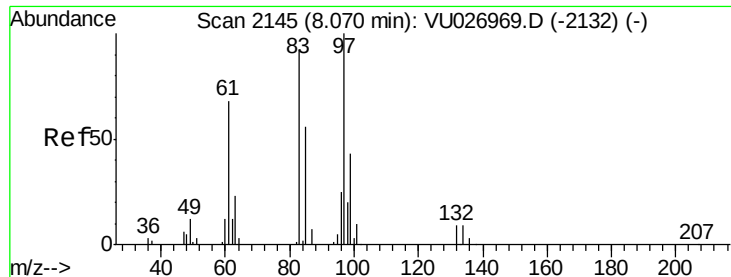


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



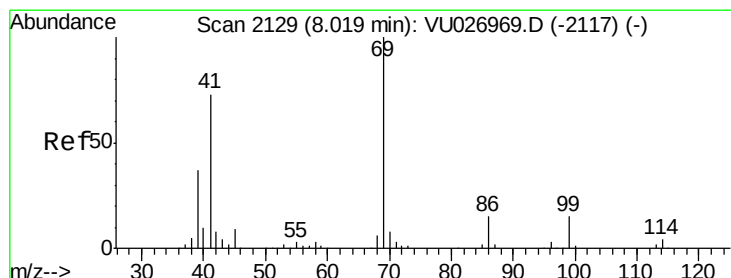
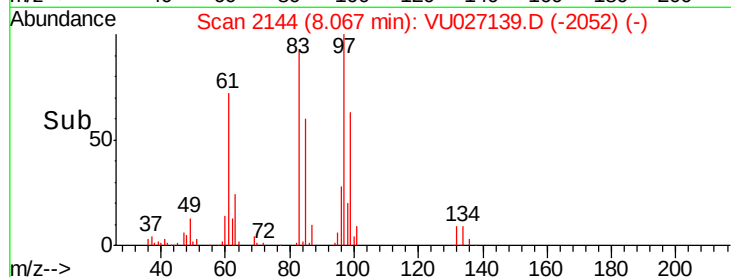
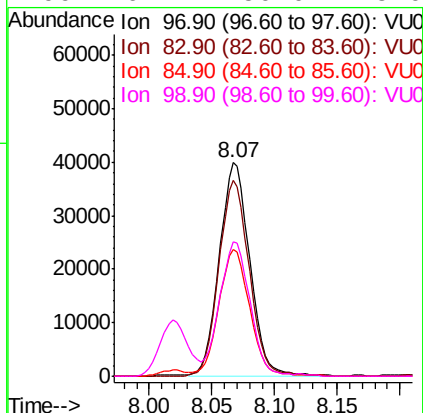
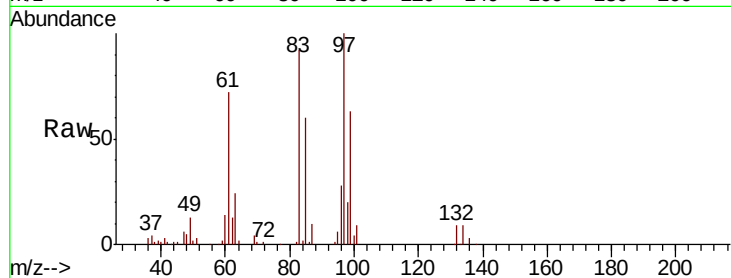


#55
 1,1,2-Trichloroethane
 Concen: 50.400 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 67582

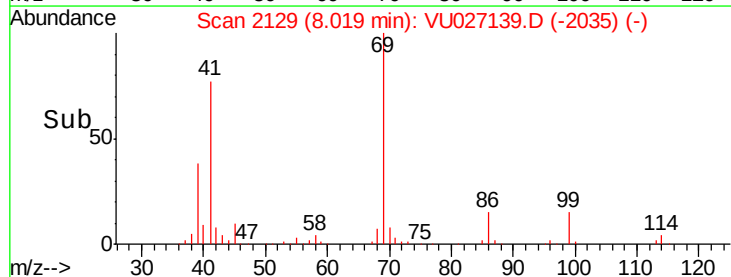
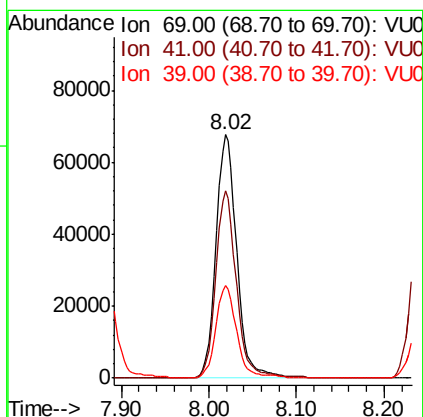
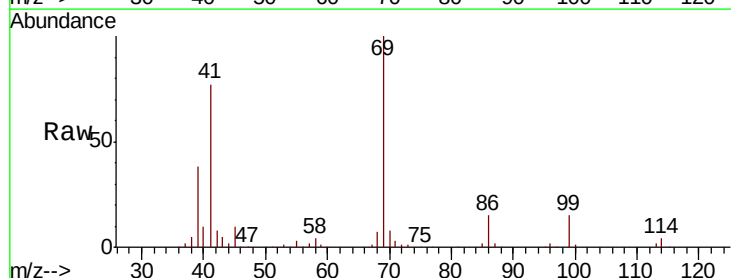
Ion	Ratio	Lower	Upper
97	100		
83	91.8	73.1	109.7
85	59.6	46.7	70.1
99	62.7	50.0	75.0

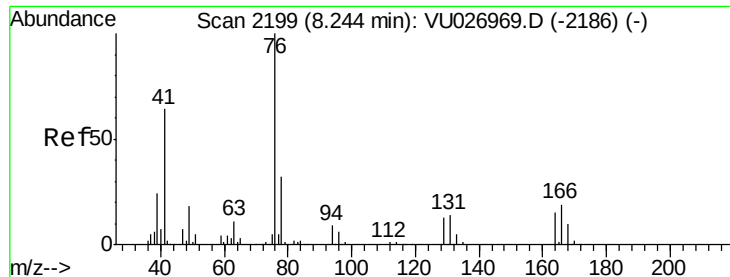


#56
 Ethyl methacrylate
 Concen: 48.189 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 69 Resp: 111923

Ion	Ratio	Lower	Upper
69	100		
41	76.8	59.0	88.4
39	37.6	30.2	45.4





#57

1,3-Dichloropropane

Concen: 51.291 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

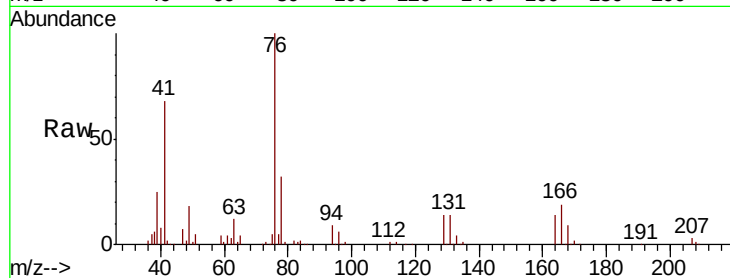
VSTDCCC050

Tot Ion: 76 Resp: 127918

Ion Ratio Lower Upper

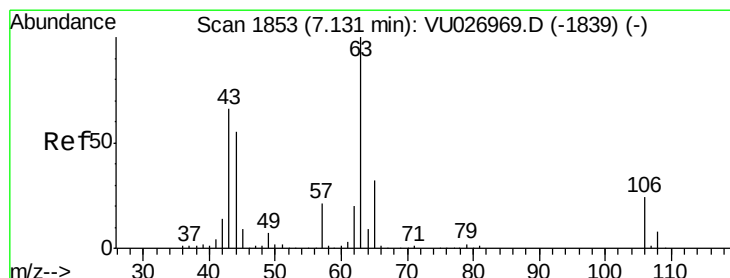
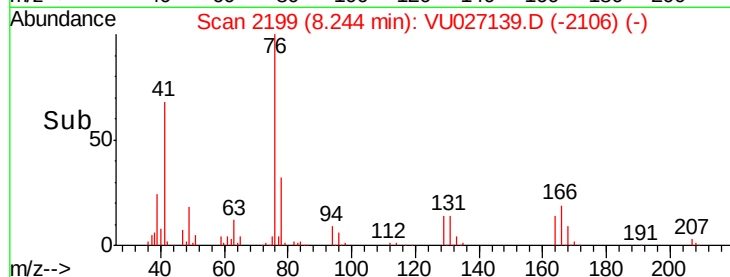
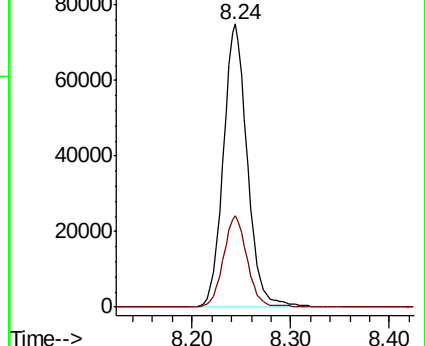
76 100

78 32.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-2186) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-2186) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 247.990 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027139.D

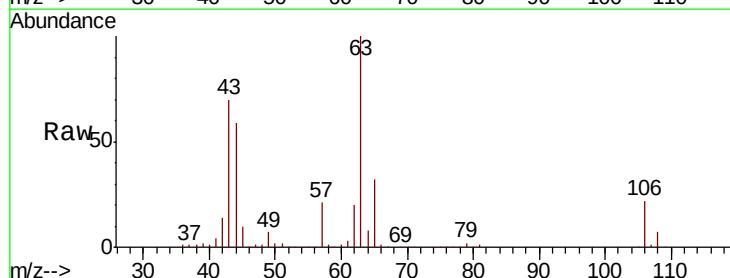
Acq: 25 Sep 2018 20:17

Tgt Ion: 63 Resp: 327392

Ion Ratio Lower Upper

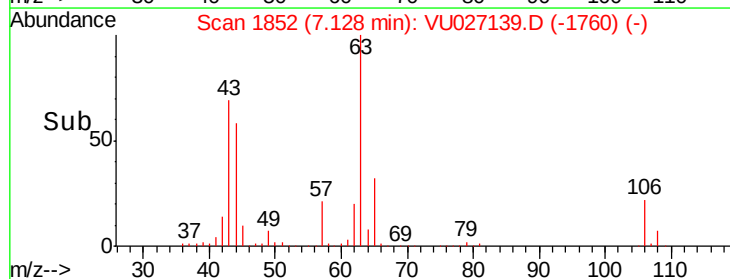
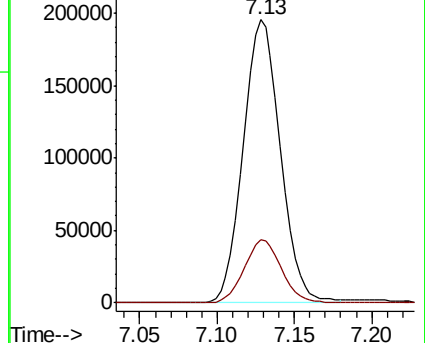
63 100

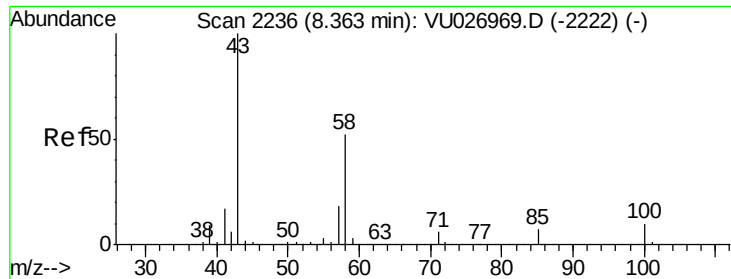
106 22.2 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1839) (-)

Ion 105.90 (105.60 to 106.60): VU026969.D (-1839) (-)

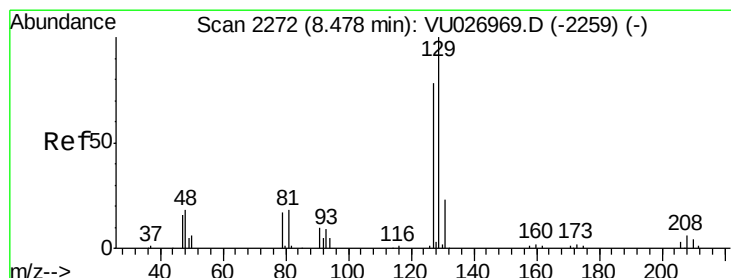
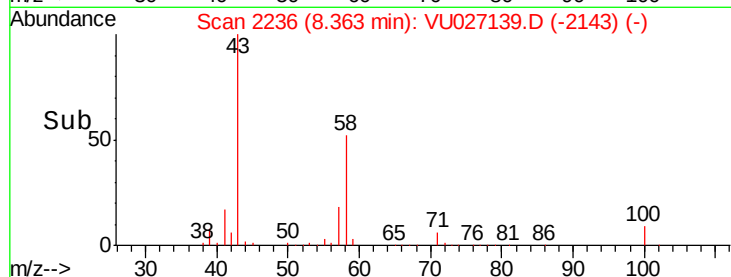
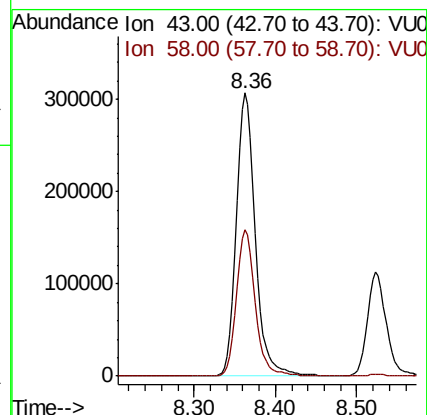
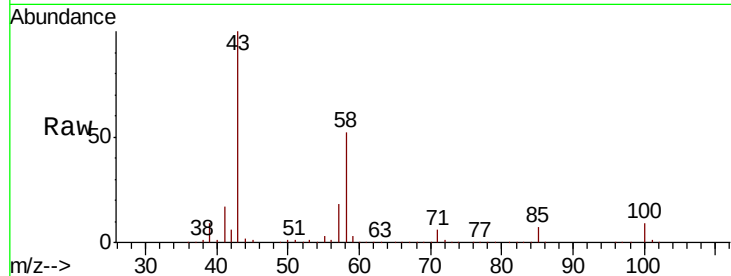




#59
2-Hexanone
Concen: 268.614 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

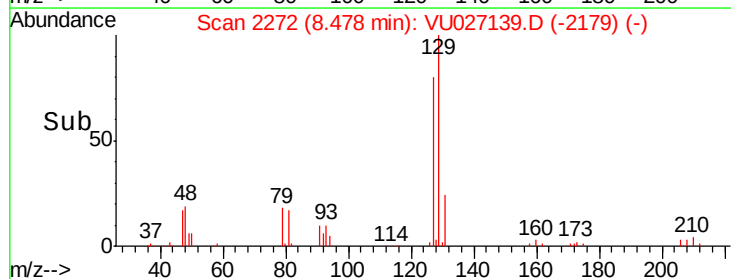
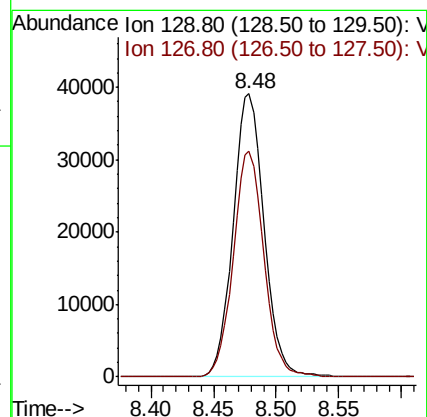
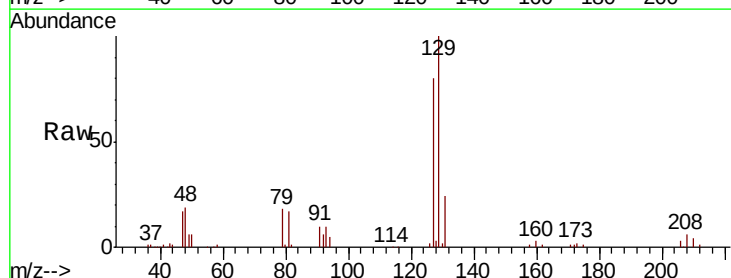
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

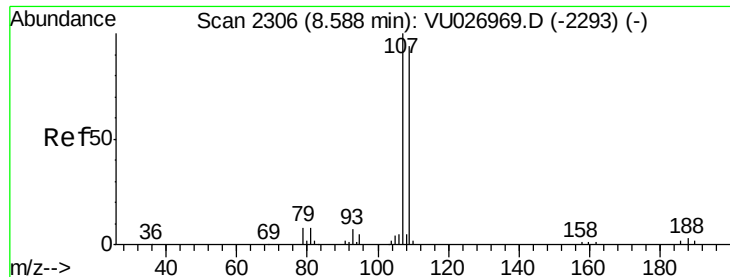
Tot Ion: 43 Resp: 507038
Ion Ratio Lower Upper
43 100
58 51.2 26.1 78.2



#60
Dibromochloromethane
Concen: 50.914 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 129 Resp: 66966
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 49.426 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

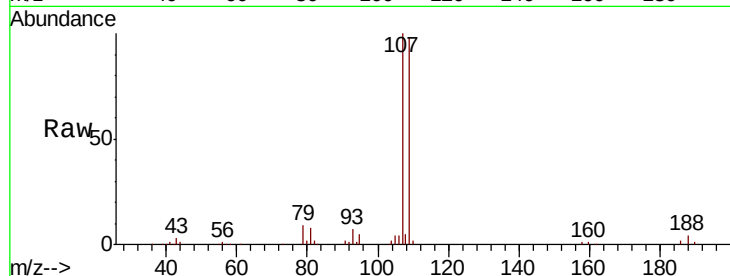
VSTDCCC050

Tot Ion:107 Resp: 68958

Ion Ratio Lower Upper

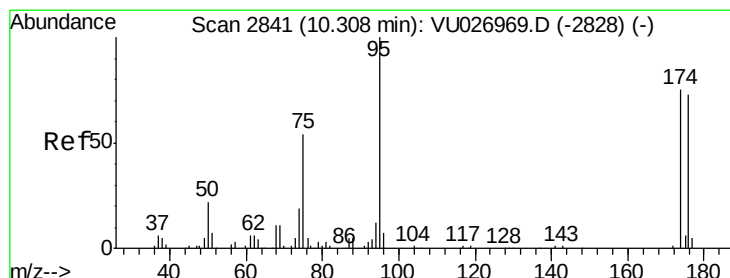
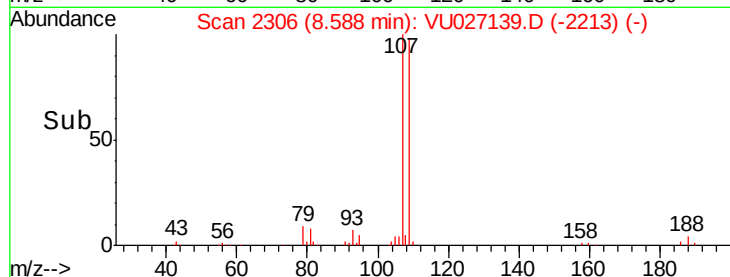
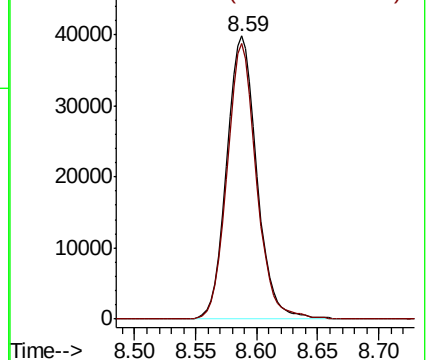
107 100

109 94.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.576 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

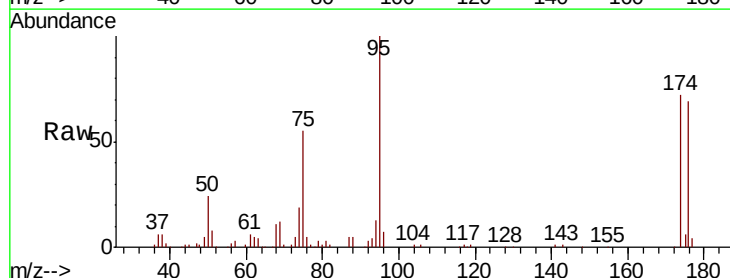
Tgt Ion: 95 Resp: 81094

Ion Ratio Lower Upper

95 100

174 71.9 0.0 150.2

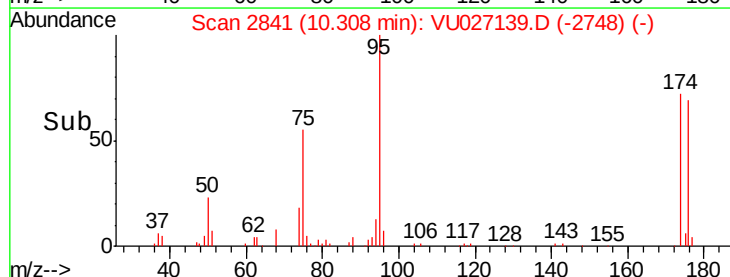
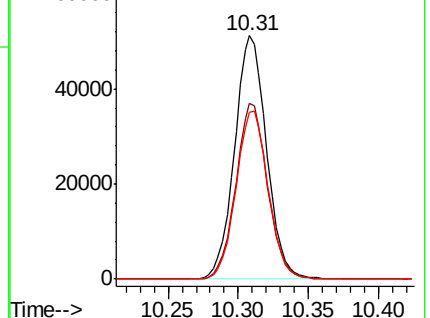
176 69.7 0.0 145.2

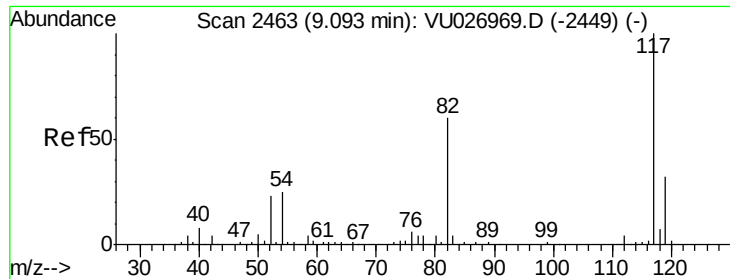


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

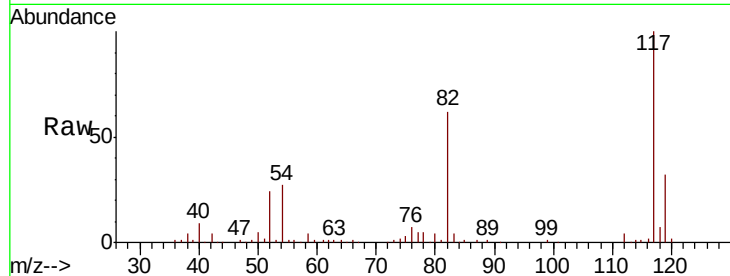




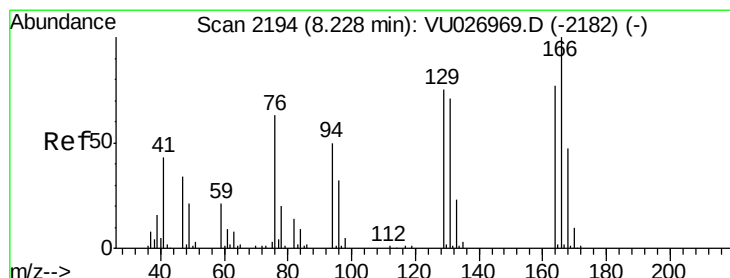
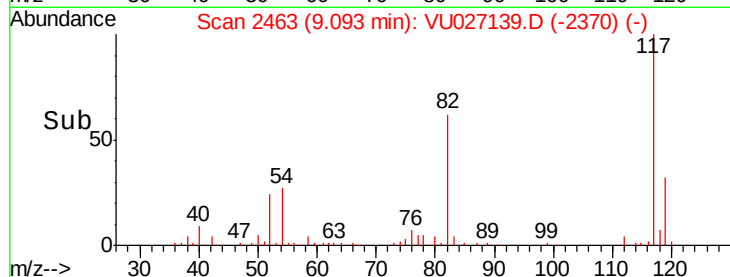
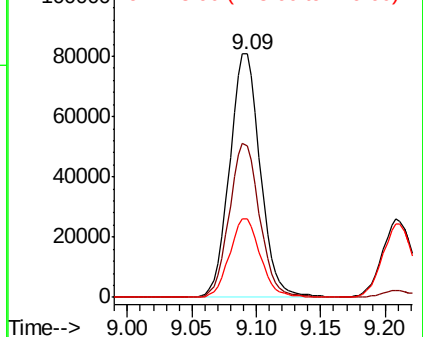
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 133287
Ion Ratio Lower Upper
117 100
82 62.4 48.0 72.0
119 32.0 25.8 38.8



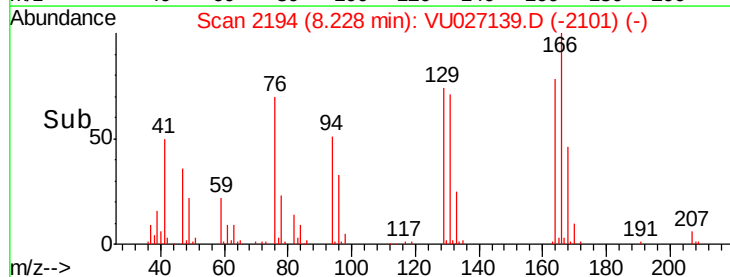
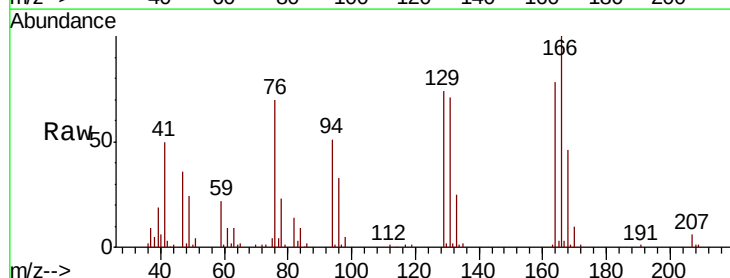
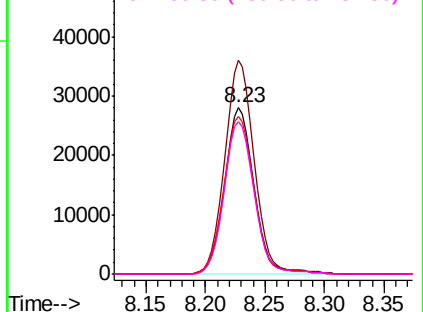
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

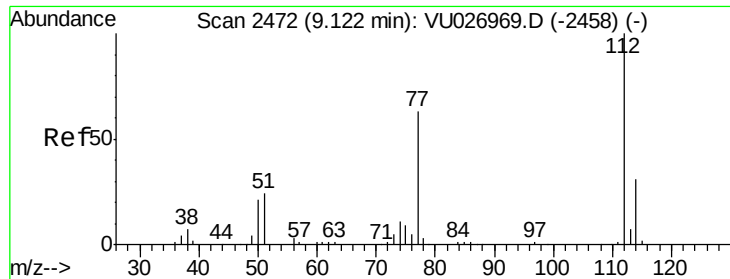


#64
Tetrachloroethene
Concen: 46.743 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion:164 Resp: 48008
Ion Ratio Lower Upper
164 100
166 128.8 104.4 156.6
129 95.2 78.7 118.1
131 92.0 73.9 110.9

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

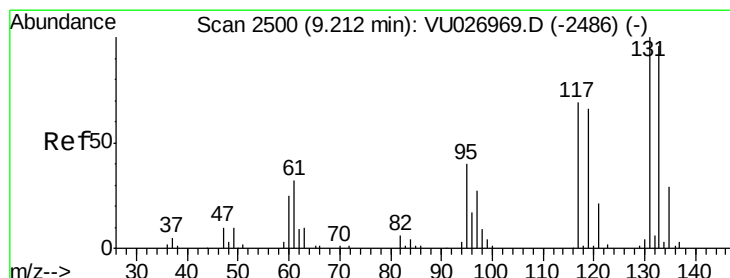
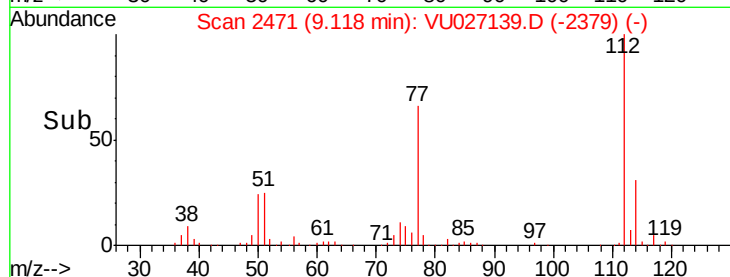
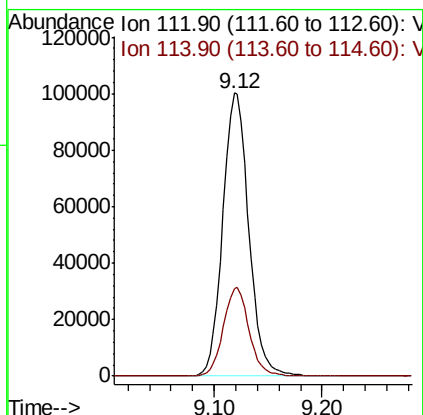
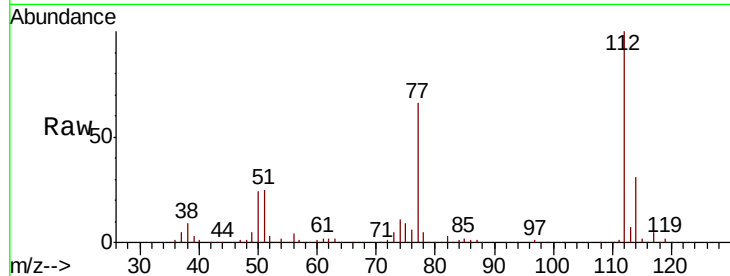




#65
Chlorobenzene
Concen: 47.573 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

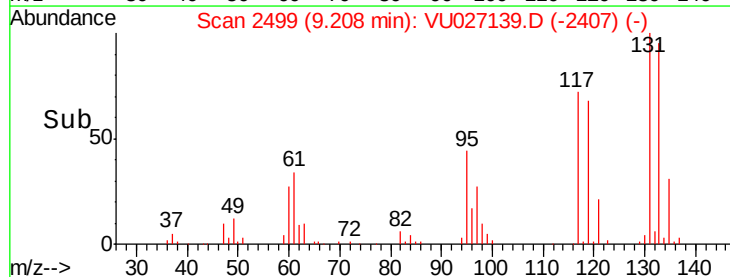
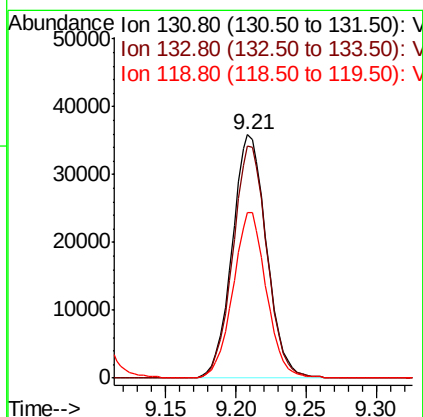
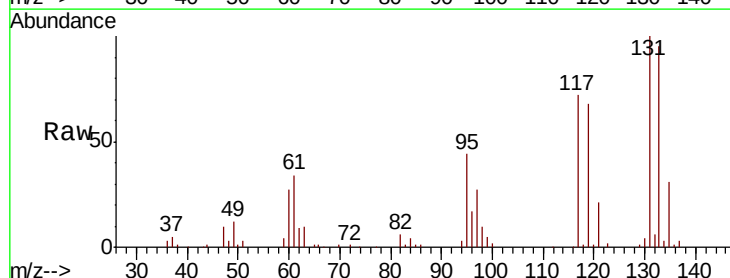
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

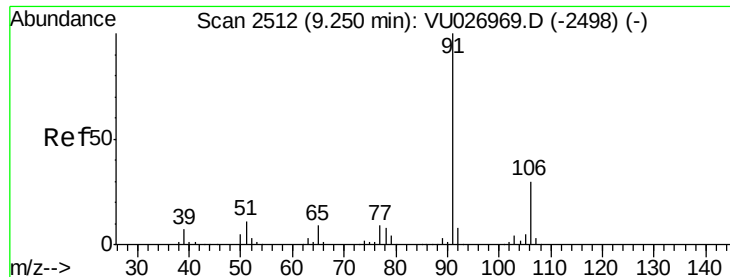
Tot Ion:112 Resp: 168128
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.242 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion:131 Resp: 61158
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 66.3 33.4 100.1

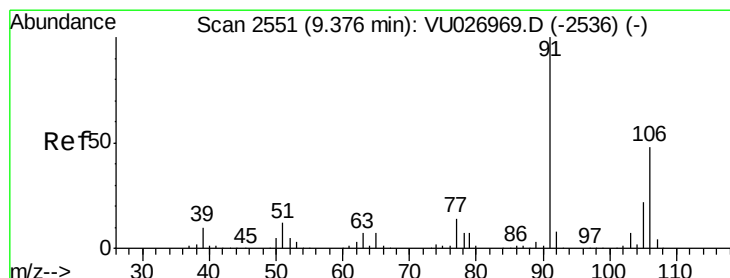
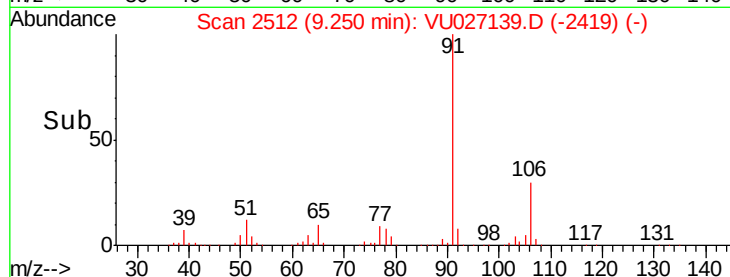
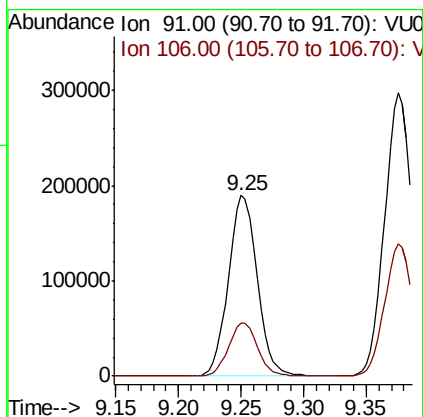
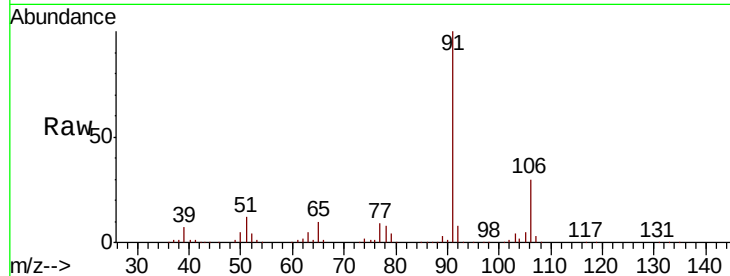




#67
Ethyl Benzene
Concen: 52.183 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

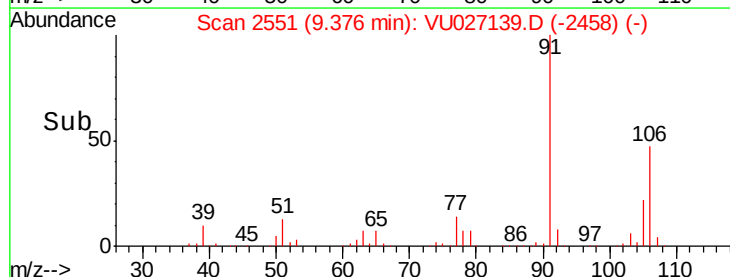
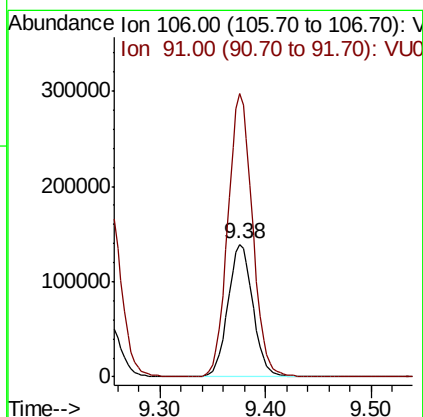
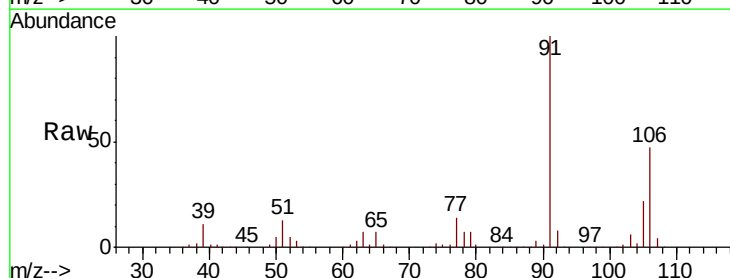
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

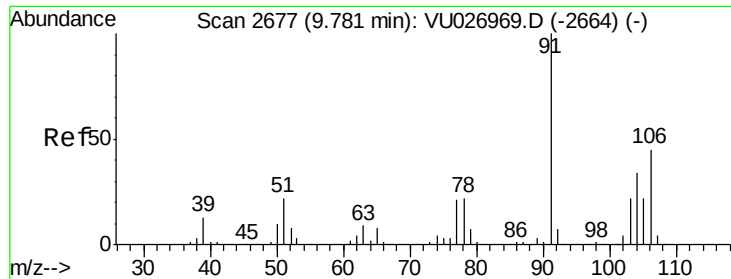
Tot Ion: 91 Resp: 303259
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8



#68
m/p-Xylenes
Concen: 96.579 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 106 Resp: 227182
Ion Ratio Lower Upper
106 100
91 210.6 166.5 249.7

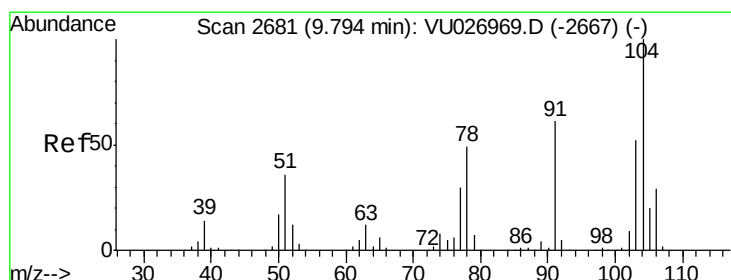
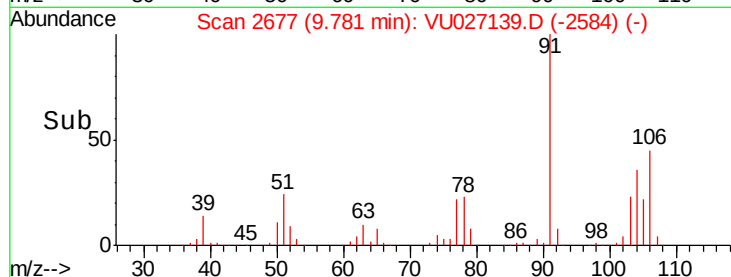
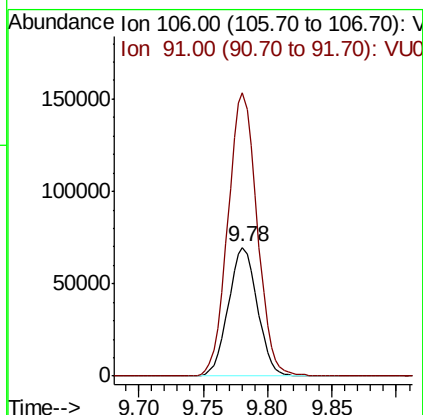
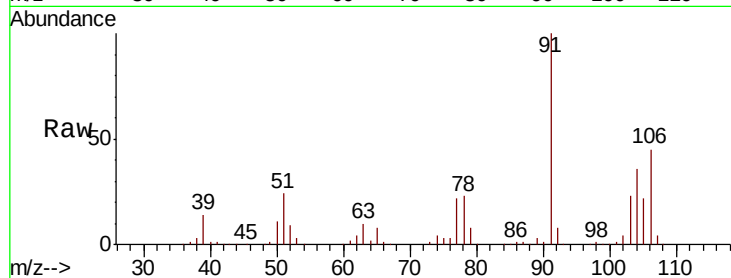




#69
o-Xylene
Concen: 53.001 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

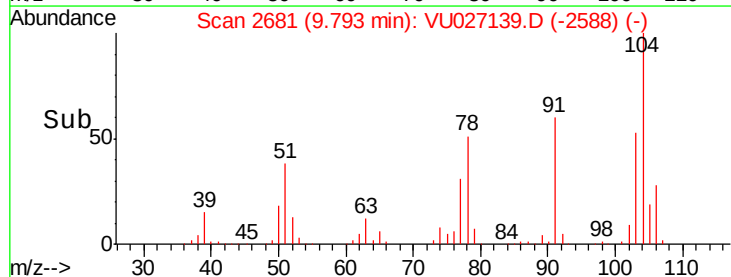
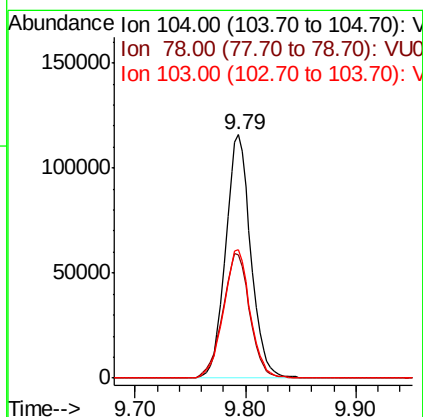
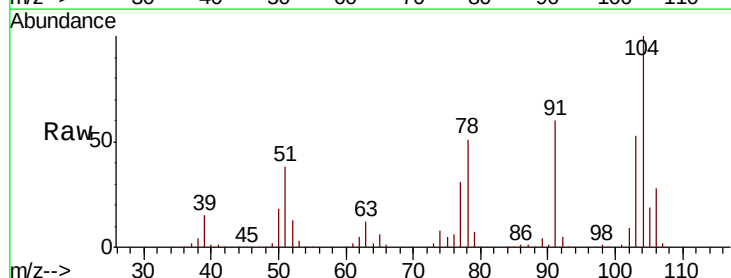
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

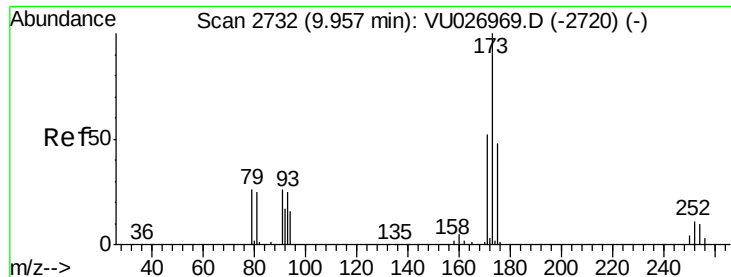
Tot Ion:106 Resp: 109133
Ion Ratio Lower Upper
106 100
91 221.4 110.2 330.6



#70
Styrene
Concen: 47.762 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion:104 Resp: 183304
Ion Ratio Lower Upper
104 100
78 55.3 43.0 64.4
103 55.9 44.1 66.1





#71

Bromoform

Concen: 50.432 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

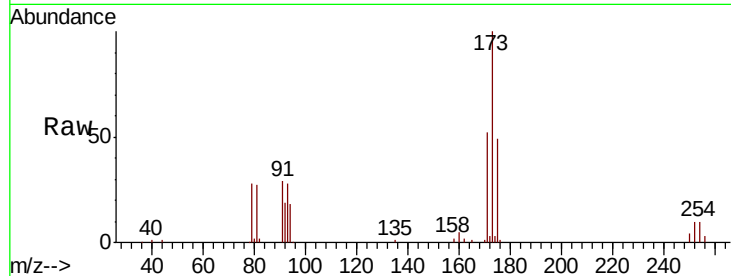
Tot Ion:173 Resp: 47473

Ion Ratio Lower Upper

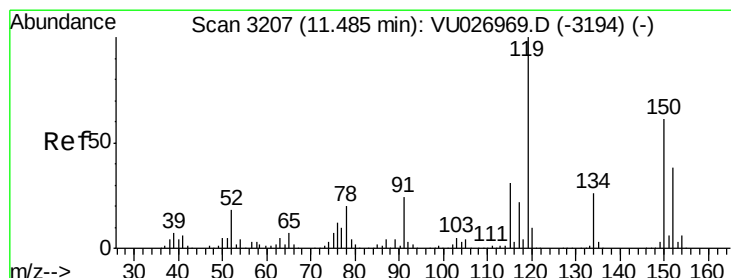
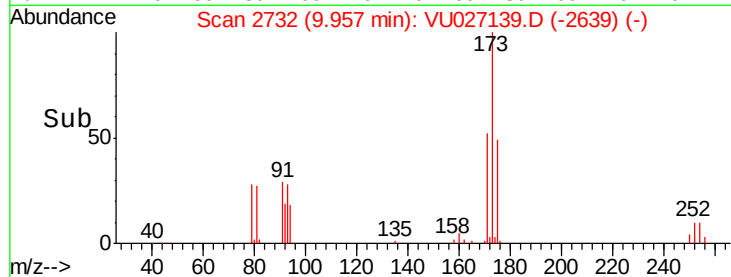
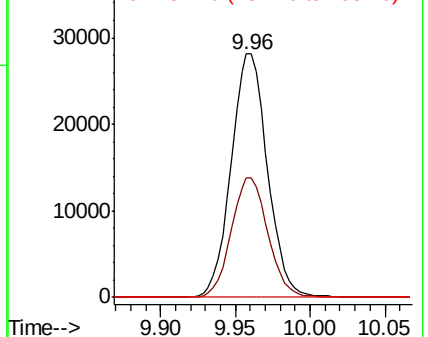
173 100

175 49.4 23.9 71.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

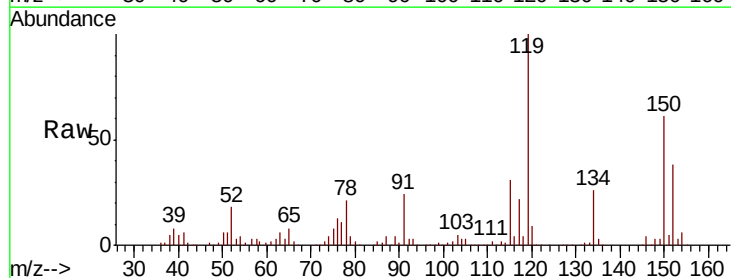
Tgt Ion:152 Resp: 74589

Ion Ratio Lower Upper

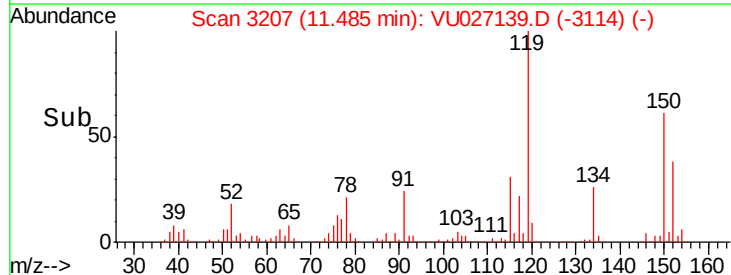
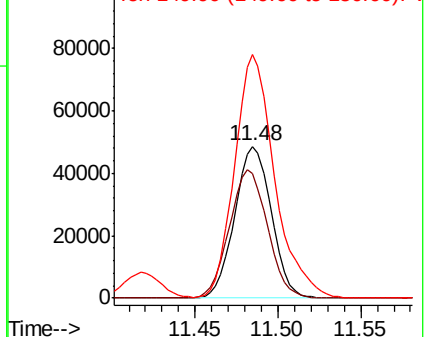
152 100

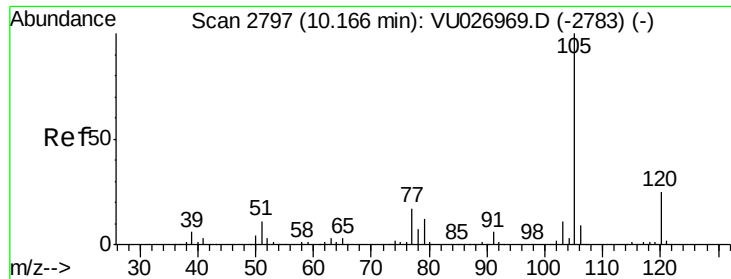
115 88.5 44.9 134.5

150 175.8 0.0 355.8



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: 52.699 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

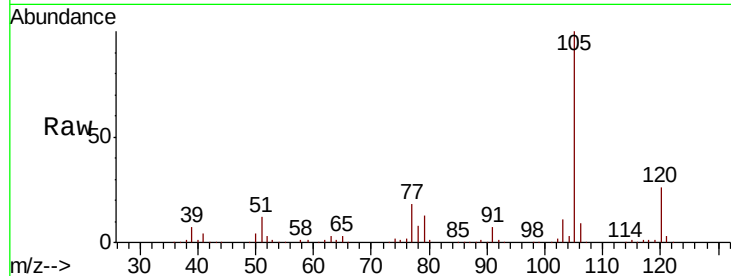
VSTDCCC050

Tot Ion:105 Resp: 299009

Ion Ratio Lower Upper

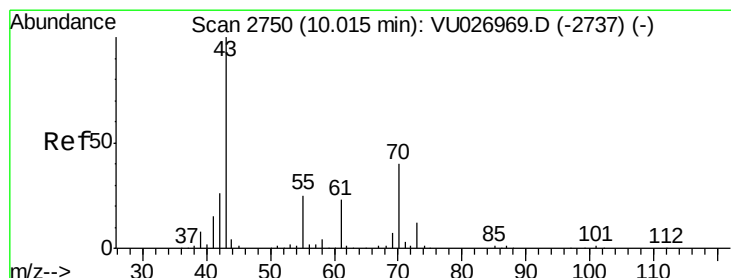
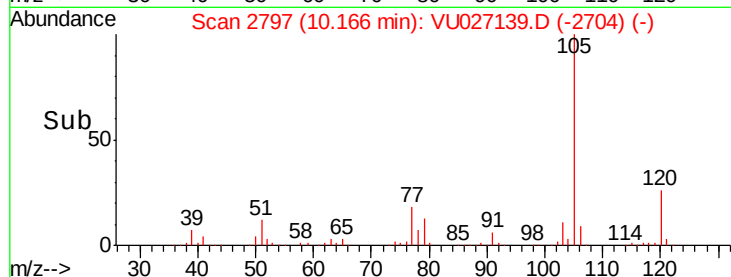
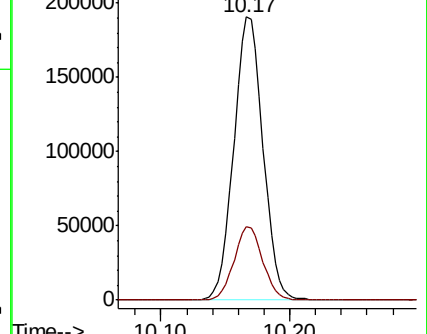
105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.344 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Tgt Ion: 43 Resp: 175199

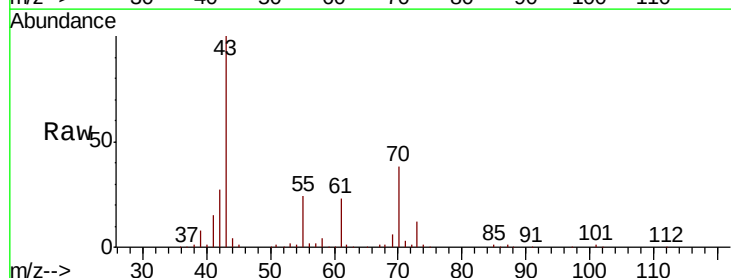
Ion Ratio Lower Upper

43 100

70 38.0 31.8 47.8

55 23.8 19.9 29.9

61 22.1 18.4 27.6

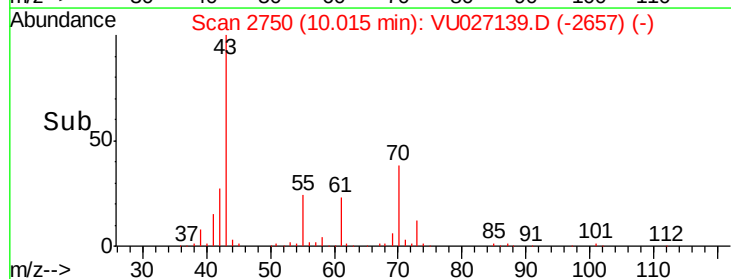
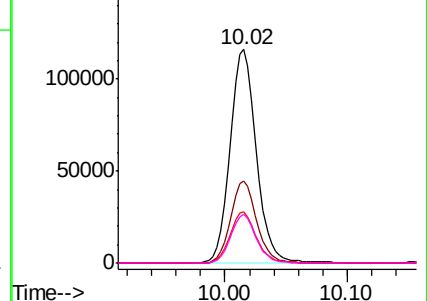


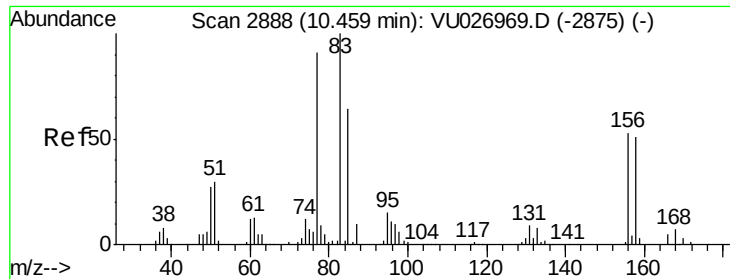
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.523 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

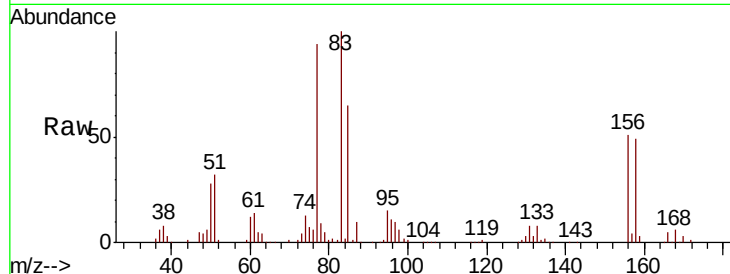
Tot Ion: 83 Resp: 118757

Ion Ratio Lower Upper

83 100

131 8.3 4.3 12.8

85 65.2 31.9 95.7

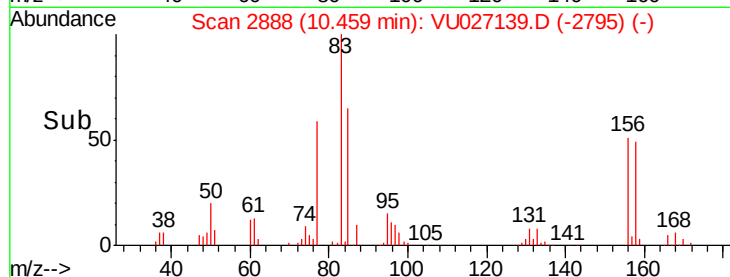


Abundance Ion 82.90 (82.60 to 83.60): VU027139.D (-2795) (-)

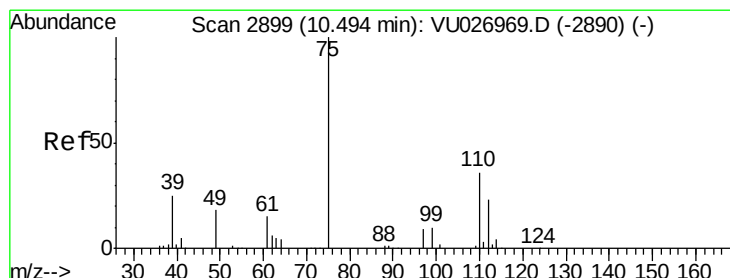
Ion 130.80 (130.50 to 131.50): VU027139.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027139.D (-2795) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 63.168 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027139.D

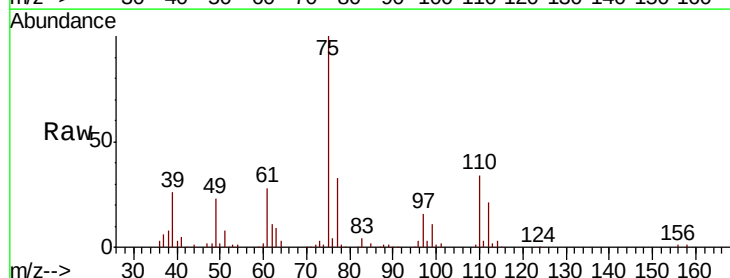
Acq: 25 Sep 2018 20:17

Tgt Ion: 75 Resp: 143138

Ion Ratio Lower Upper

75 100

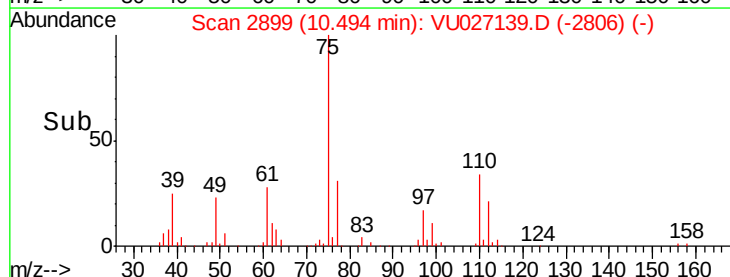
77 29.9 20.9 62.8



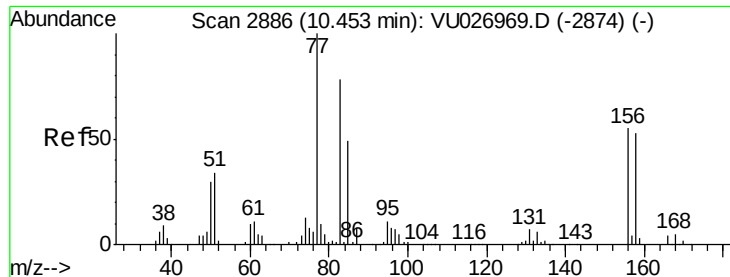
Abundance Ion 74.90 (74.60 to 75.60): VU027139.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027139.D (-2806) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 48.236 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

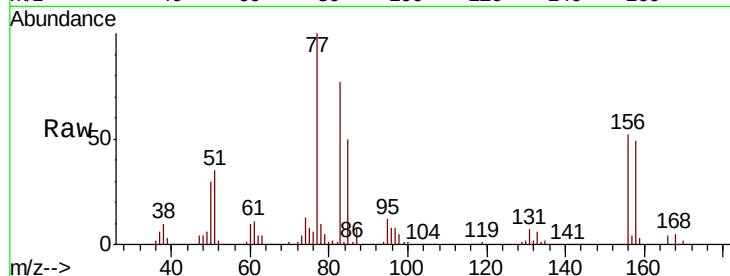
Tot Ion:156 Resp: 66880

Ion Ratio Lower Upper

156 100

77 196.1 92.3 276.9

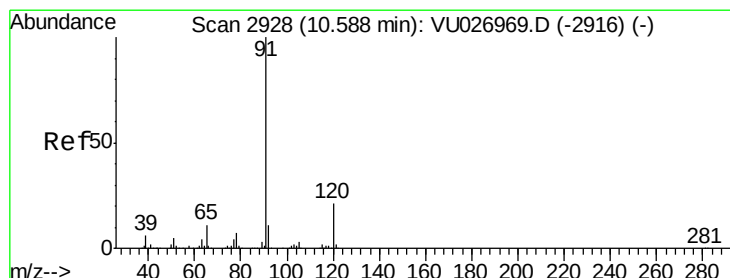
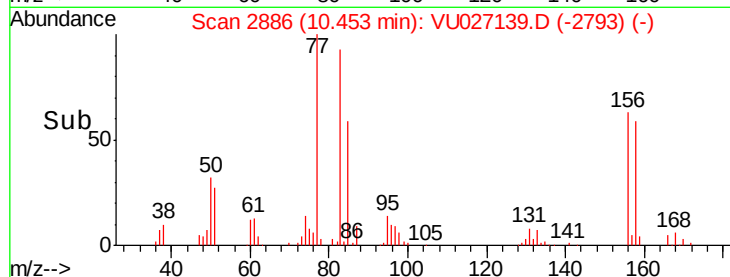
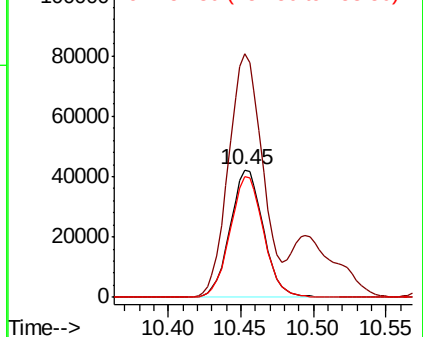
158 95.4 48.1 144.3



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: 55.172 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027139.D

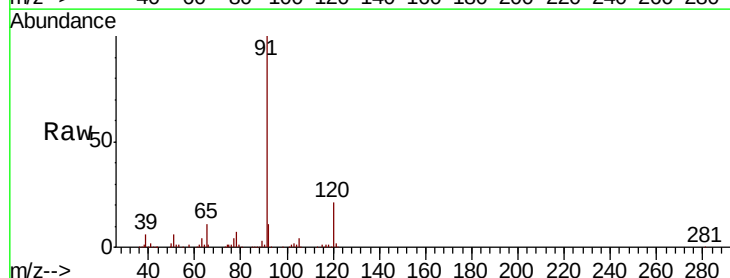
Acq: 25 Sep 2018 20:17

Tgt Ion: 91 Resp: 370397

Ion Ratio Lower Upper

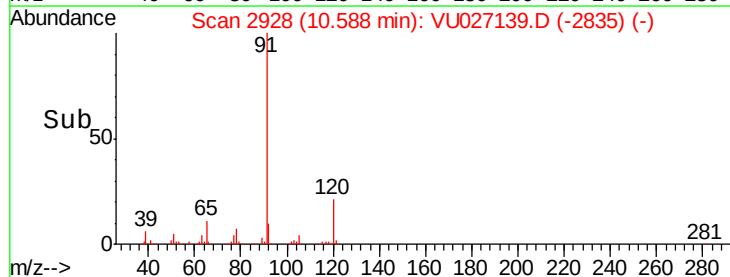
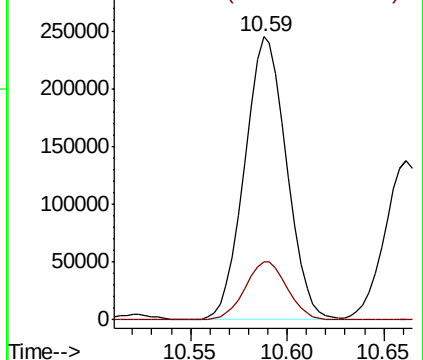
91 100

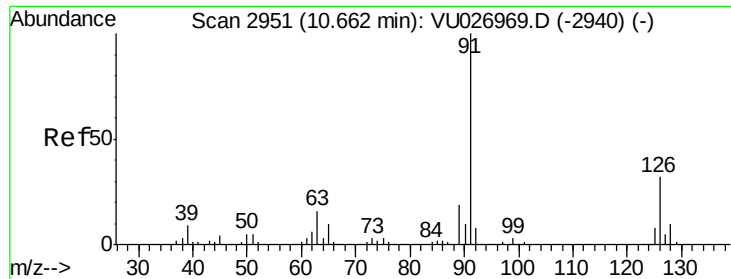
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.538 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

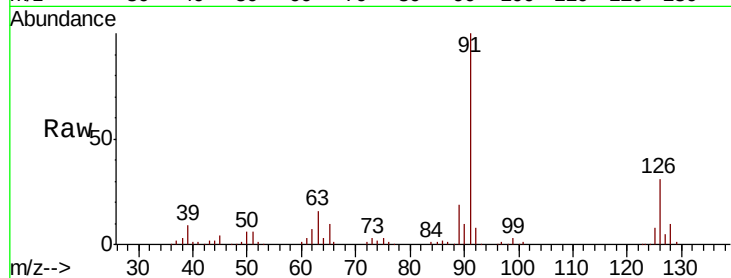
VSTDCCC050

Tot Ion: 91 Resp: 217334

Ion Ratio Lower Upper

91 100

126 30.8 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

250000

200000

150000

100000

50000

0

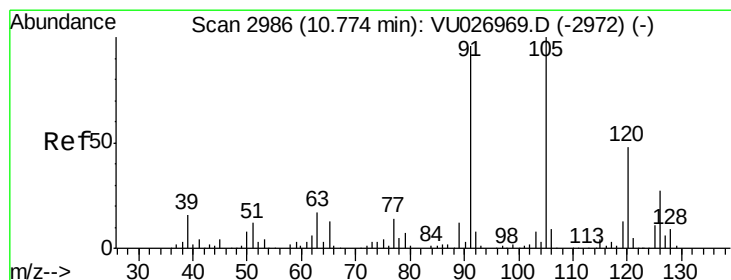
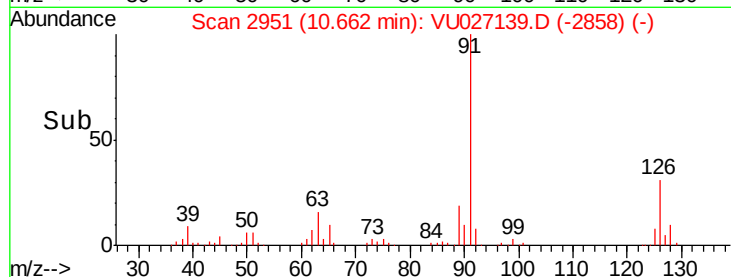
10.60

10.65

10.70

10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.018 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027139.D

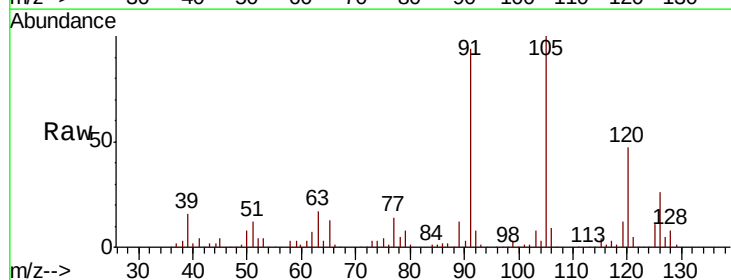
Acq: 25 Sep 2018 20:17

Tgt Ion:105 Resp: 253003

Ion Ratio Lower Upper

105 100

120 47.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)

200000

150000

100000

50000

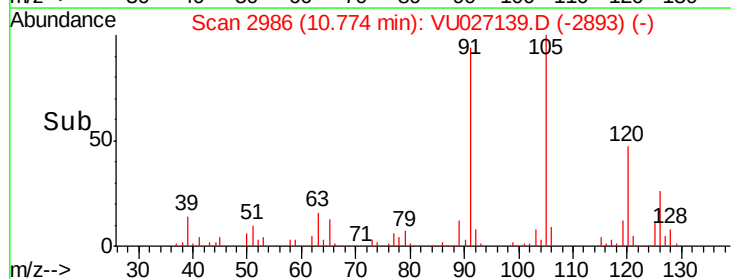
0

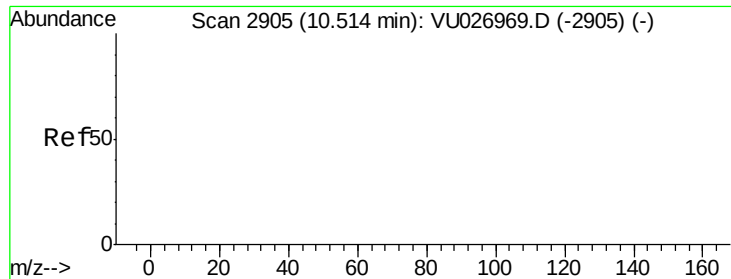
10.70

10.75

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 202.148 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

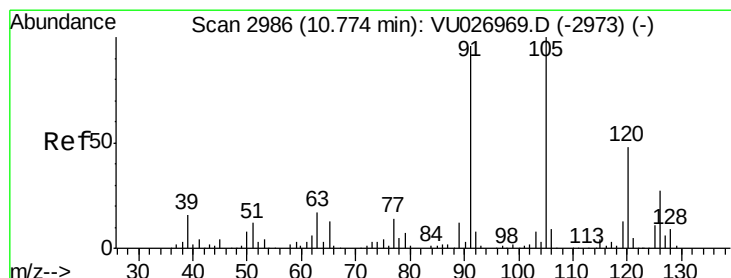
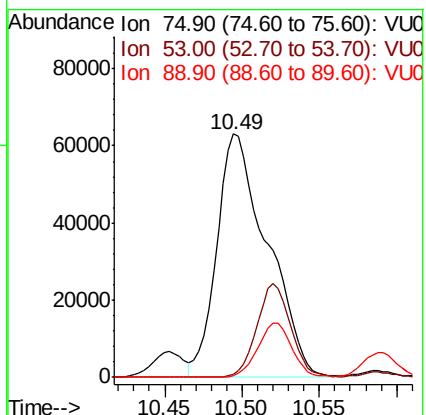
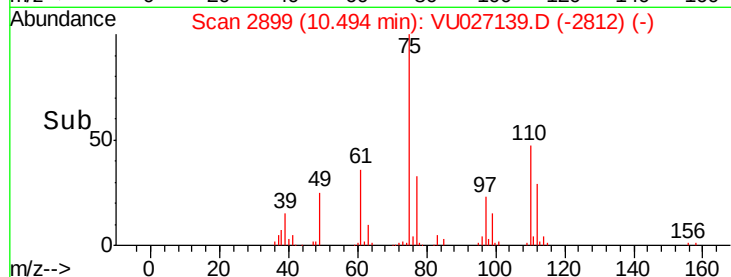
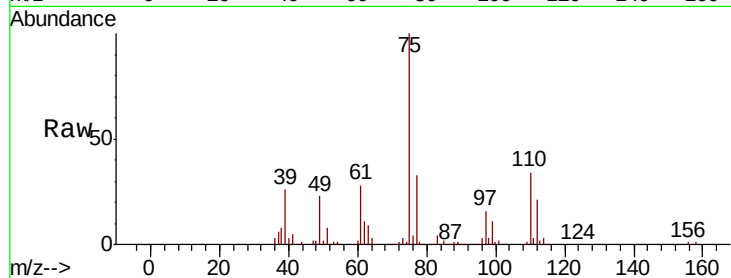
Tot Ion: 75 Resp: 143138

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 52.406 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027139.D

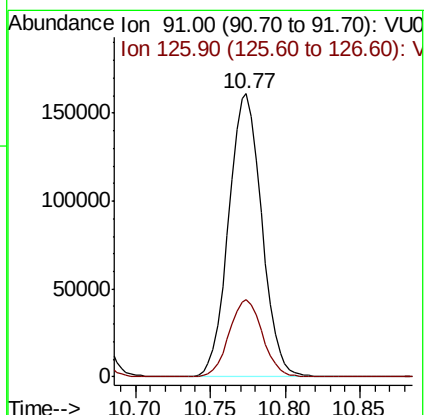
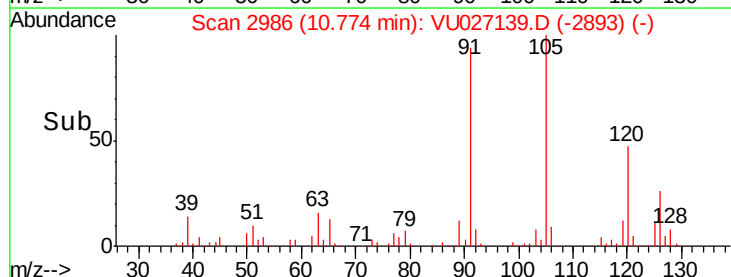
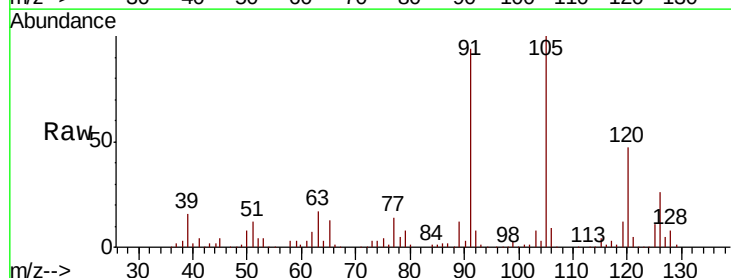
Acq: 25 Sep 2018 20:17

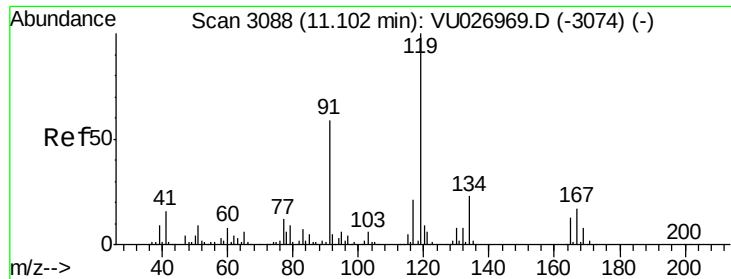
Tgt Ion: 91 Resp: 247799

Ion Ratio Lower Upper

91 100

126 27.5 14.1 42.2

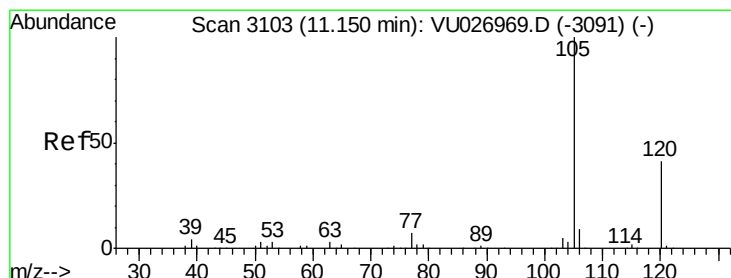
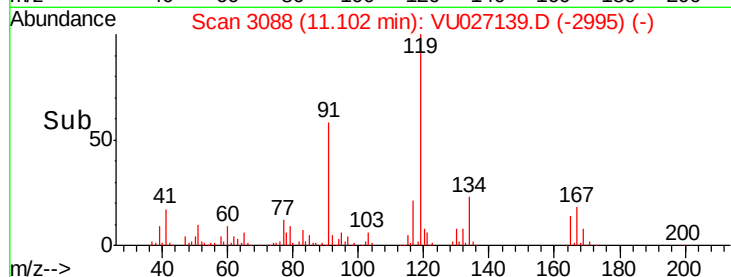
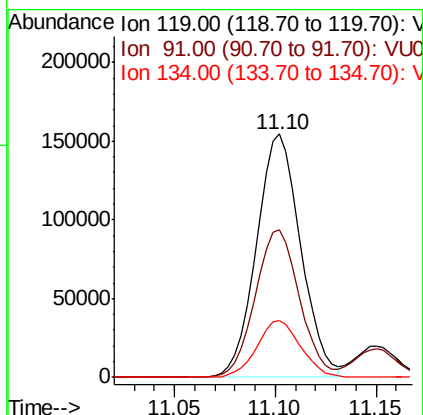
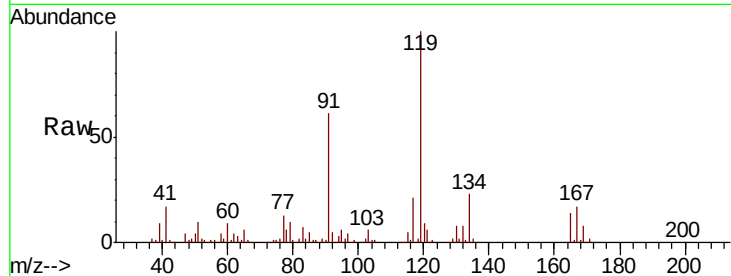




#83
 tert-Butylbenzene
 Concen: 51.092 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

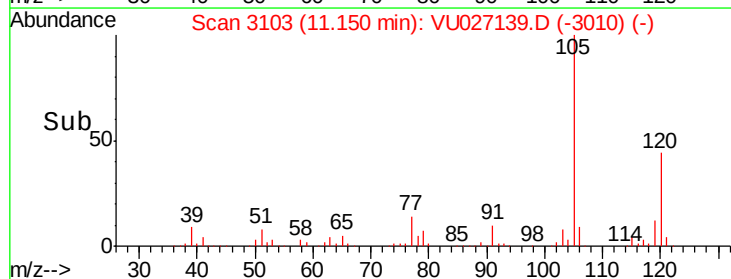
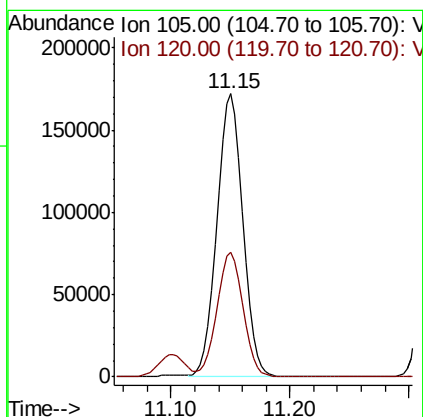
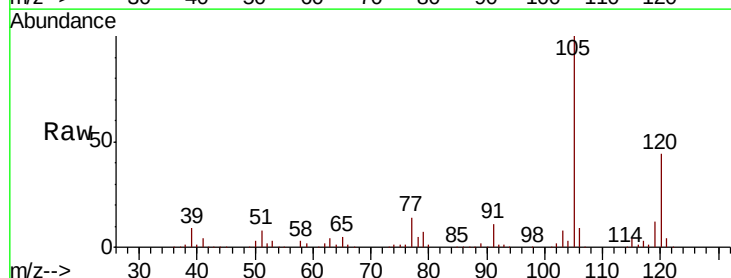
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

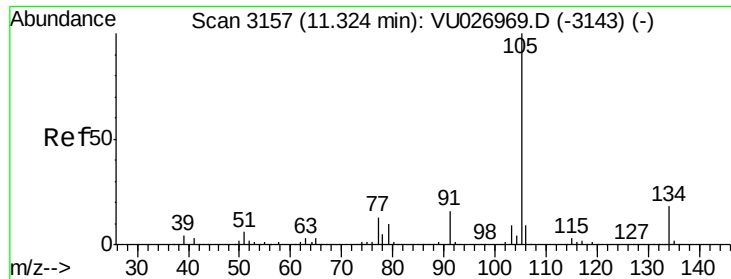
Tot Ion:119 Resp: 236586
 Ion Ratio Lower Upper
 119 100
 91 60.9 29.8 89.4
 134 23.1 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.555 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion:105 Resp: 260039
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2





#85

sec-Butylbenzene

Concen: 54.476 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

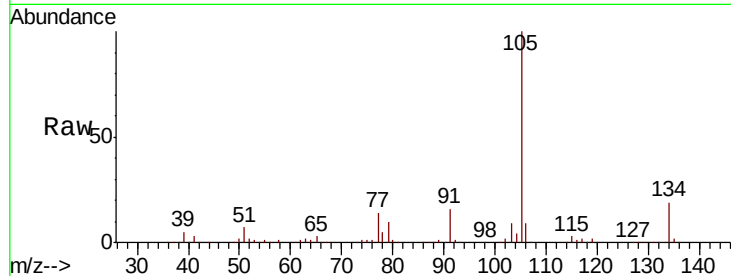
VSTDCCC050

Tot Ion:105 Resp: 307929

Ion Ratio Lower Upper

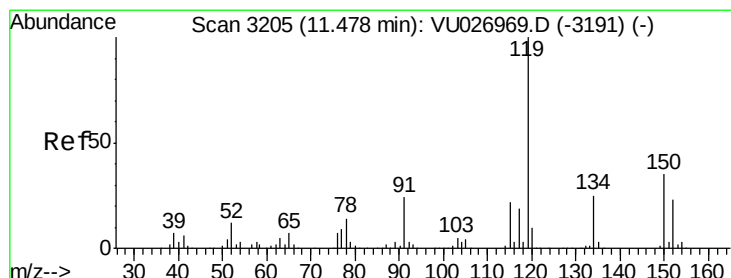
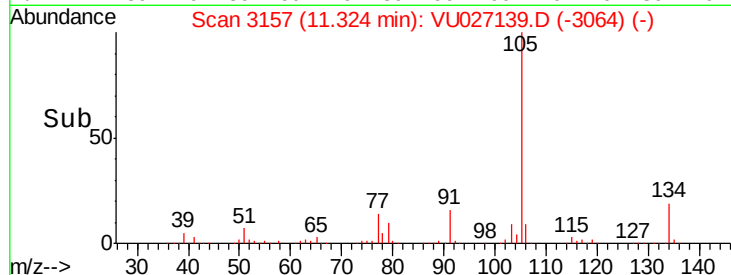
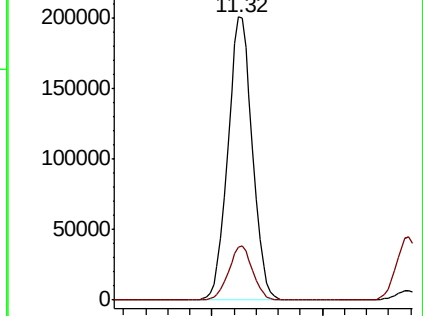
105 100

134 18.8 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.017 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027139.D

Acq: 25 Sep 2018 20:17

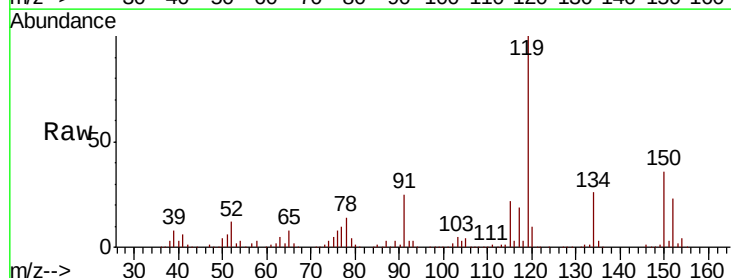
Tgt Ion:119 Resp: 259883

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

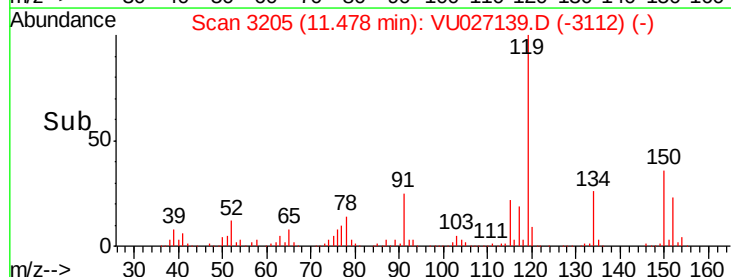
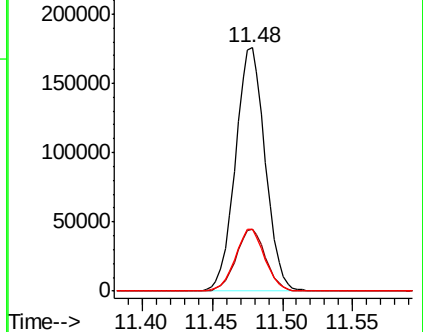
91 25.2 12.3 36.8

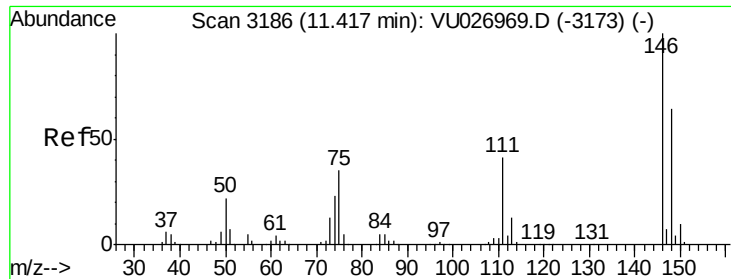


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

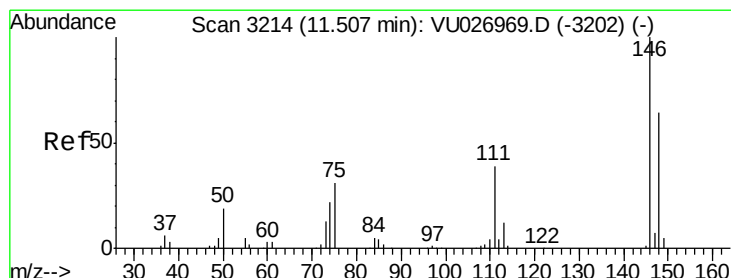
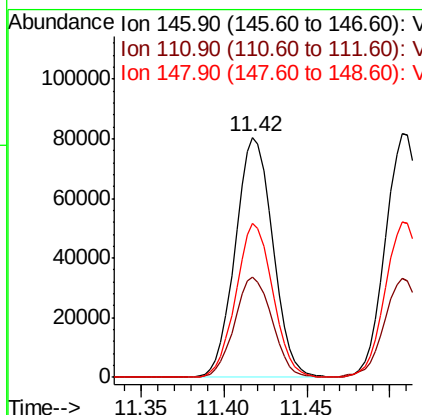
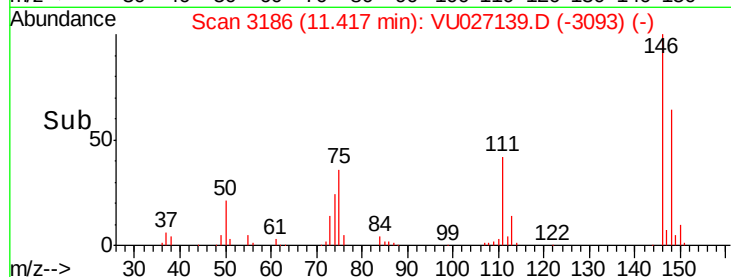
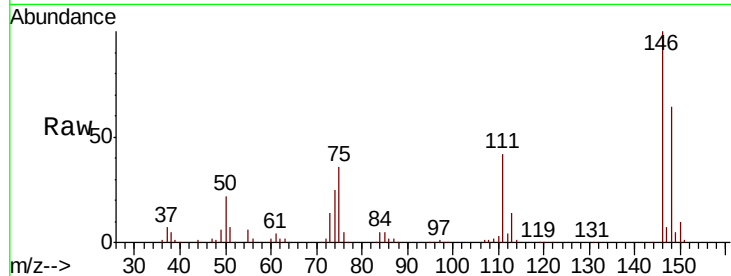




#87
 1,3-Dichlorobenzene
 Concen: 49.183 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

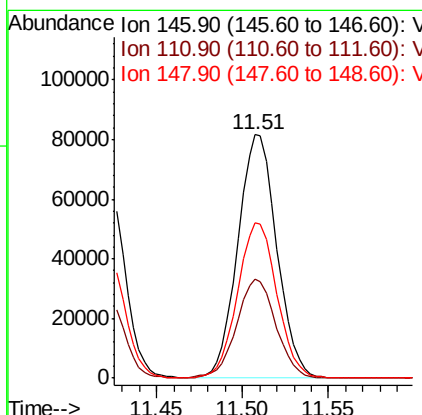
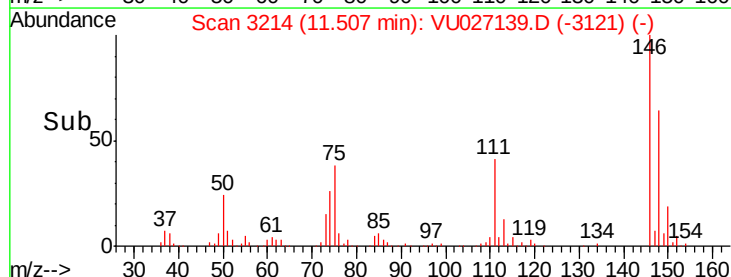
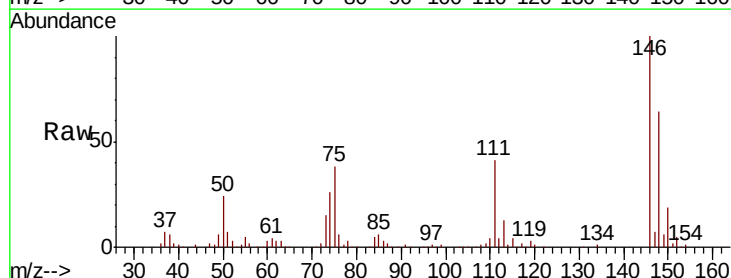
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

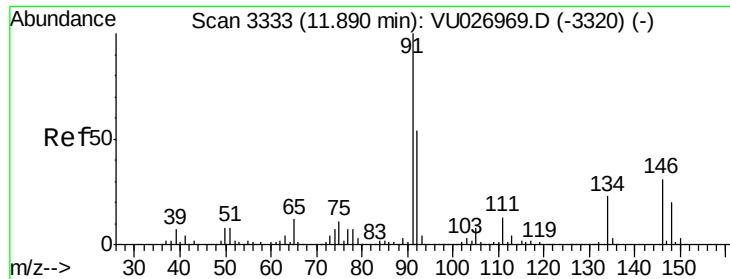
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.2
148	63.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 45.224 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	60.9
148	64.9	31.9	95.9

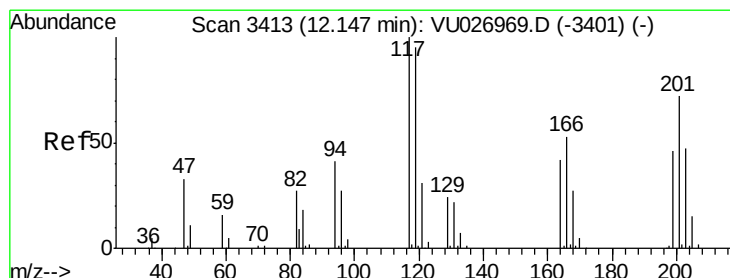
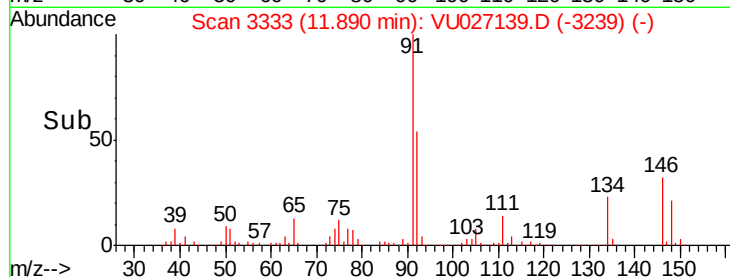
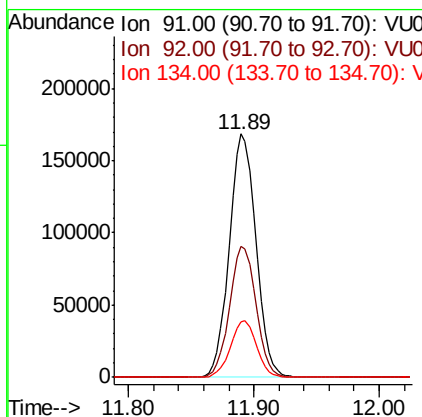
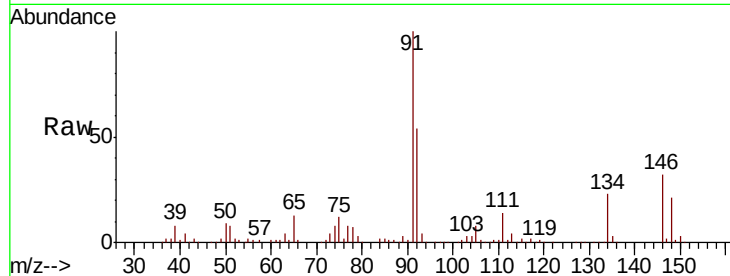




#89
n-Butylbenzene
Concen: 48.463 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

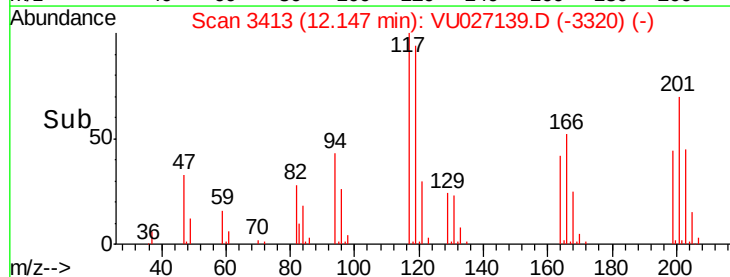
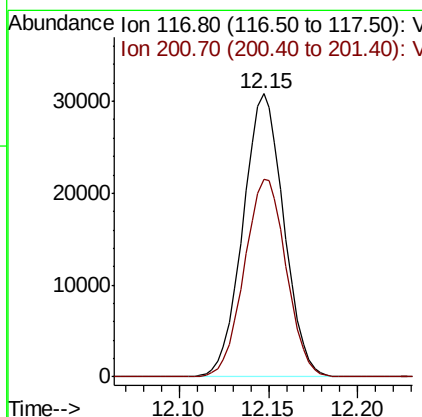
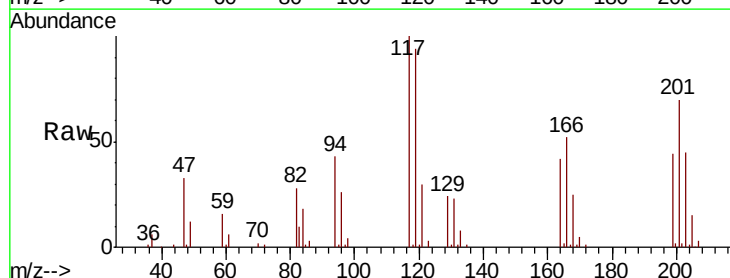
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

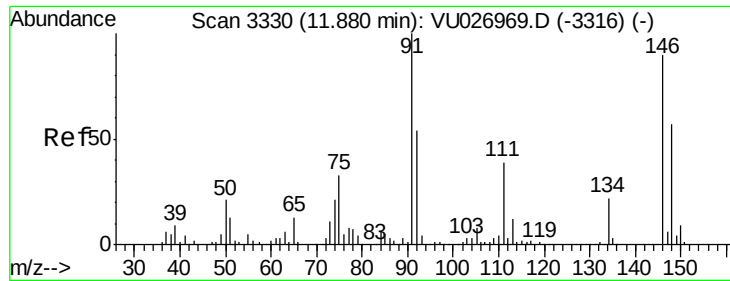
Tot Ion: 91 Resp: 248778
Ion Ratio Lower Upper
91 100
92 53.2 27.1 81.2
134 22.9 11.7 35.0



#90
Hexachloroethane
Concen: 48.022 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion: 117 Resp: 49361
Ion Ratio Lower Upper
117 100
201 71.6 36.8 110.3

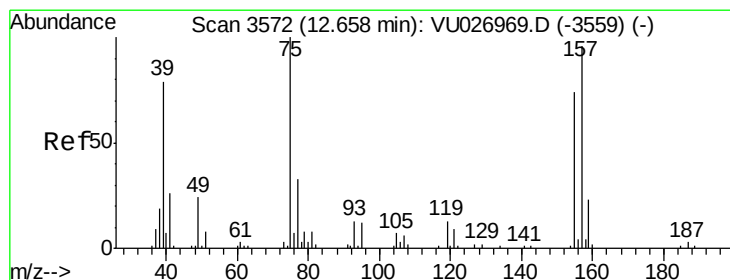
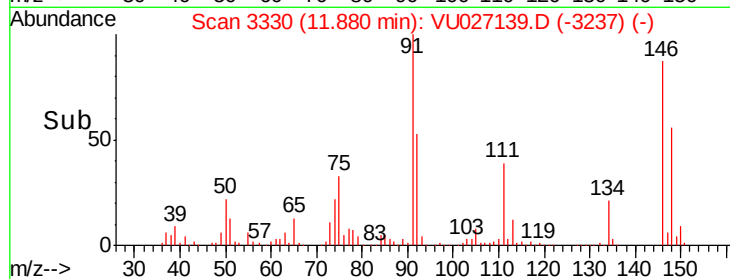
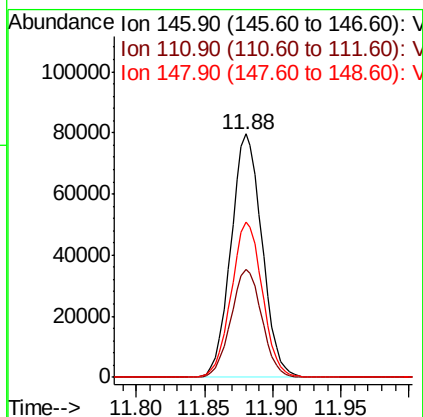
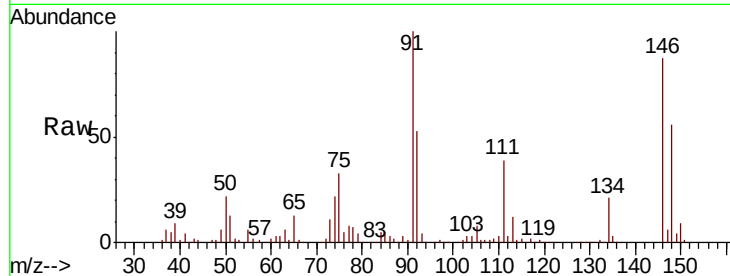




#91
 1,2-Dichlorobenzene
 Concen: 45.936 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

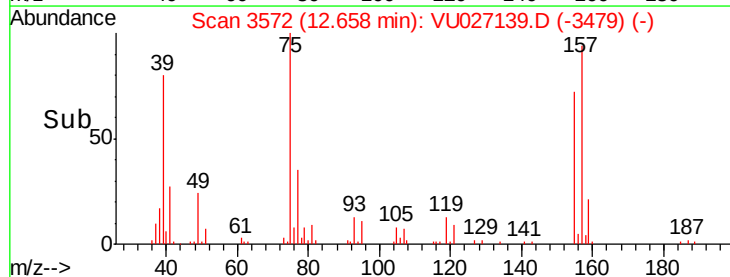
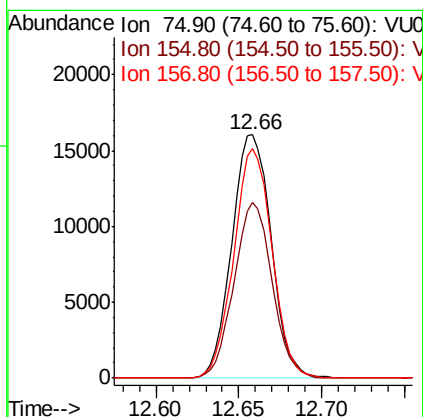
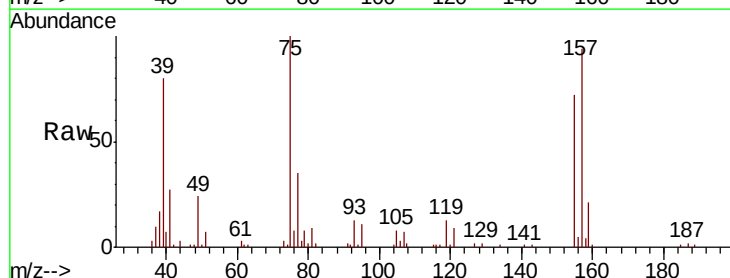
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

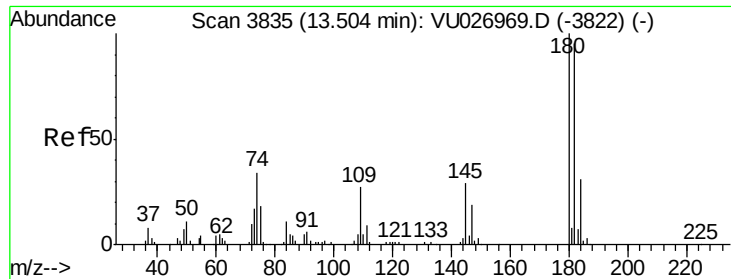
Tot Ion:146 Resp: 125899
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.8 65.3
 148 63.8 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.913 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion: 75 Resp: 26563
 Ion Ratio Lower Upper
 75 100
 155 69.6 36.6 109.8
 157 91.3 47.4 142.2

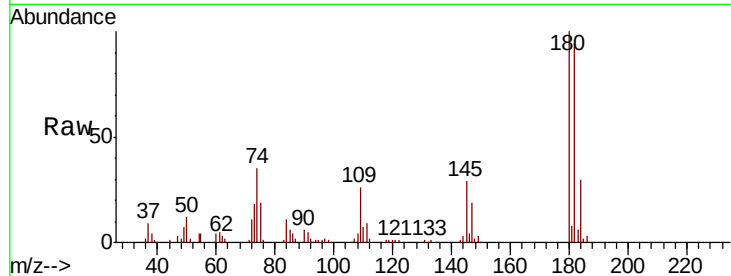




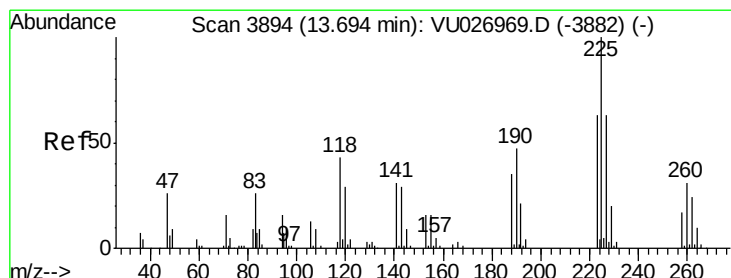
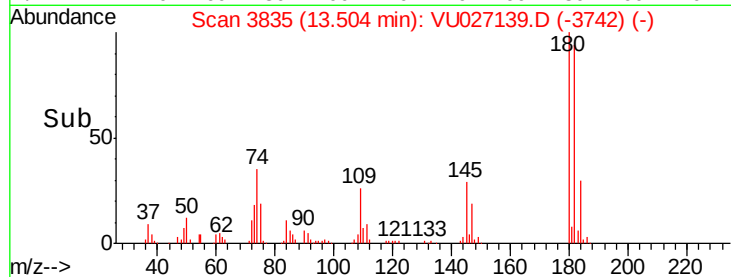
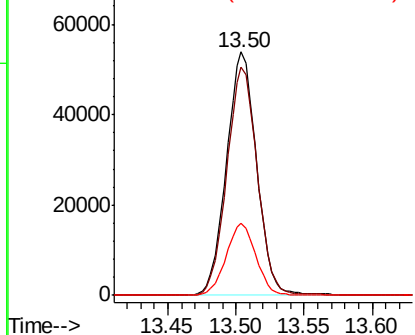
#93
 1,2,4-Trichlorobenzene
 Concen: 52.545 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 82990
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.4 142.2
 145 29.3 14.9 44.5

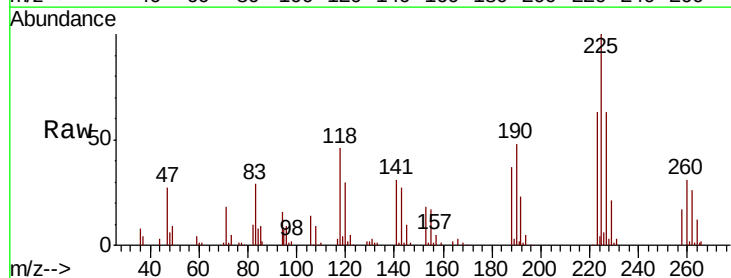


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

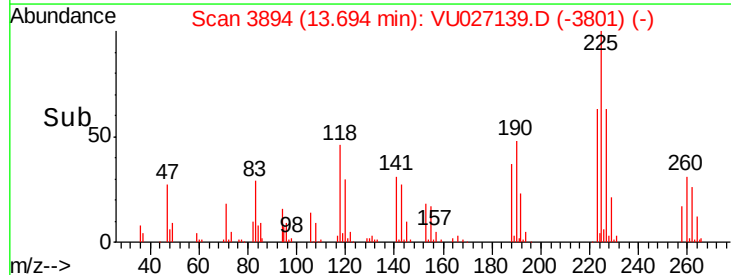
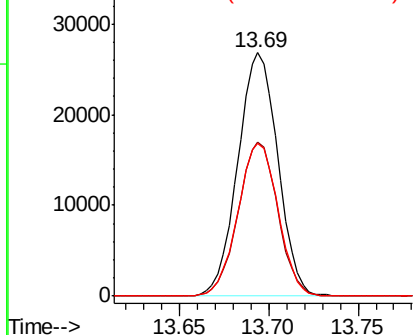


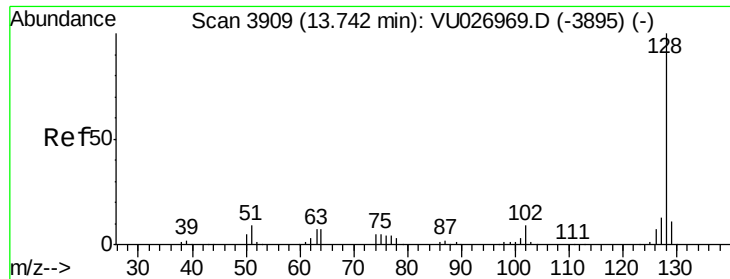
#94
 Hexachlorobutadiene
 Concen: 50.112 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027139.D
 Acq: 25 Sep 2018 20:17

Tgt Ion:225 Resp: 41878
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.9 95.7
 227 63.1 32.1 96.5



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

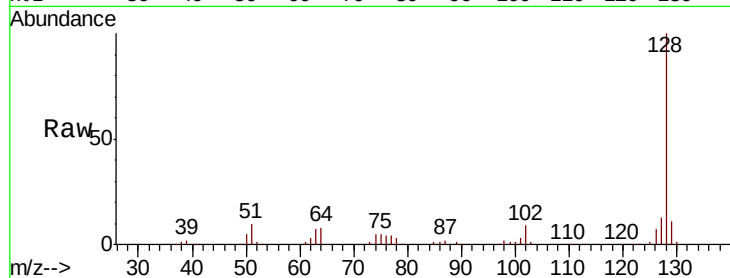




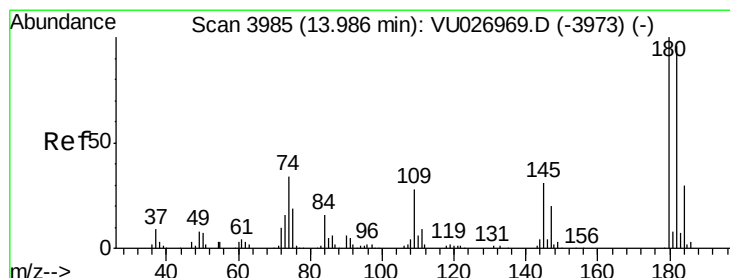
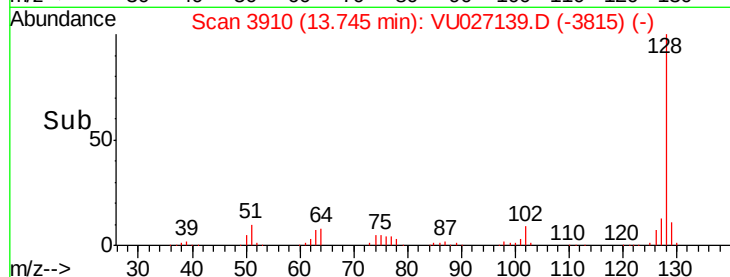
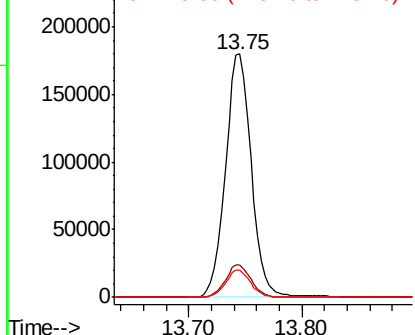
#95
Naphthalene
Concen: 46.485 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 286299
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.6 12.8

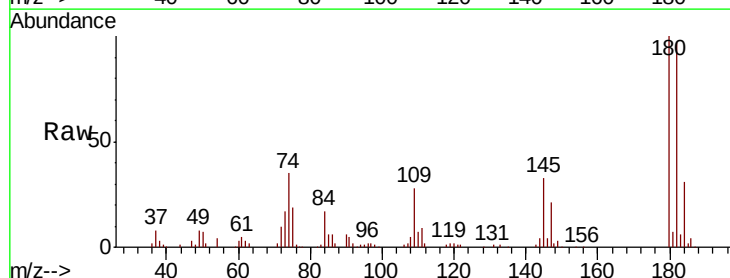


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.760 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027139.D
Acq: 25 Sep 2018 20:17

Tgt Ion:180 Resp: 85974
Ion Ratio Lower Upper
180 100
182 97.0 47.5 142.5
145 31.9 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

