

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU073018\
 Data File : VU025713.D
 Acq On : 30 Jul 2018 10:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 30 18:29:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	185352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169713	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	136367	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
35) Dibromofluoromethane	4.89	113	114803	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	7.57	98	413827	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	10.31	95	160238	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	143975	51.39	ug/l	99
3) Chloromethane	1.33	50	120328	44.94	ug/l	98
4) Vinyl Chloride	1.40	62	117749	46.73	ug/l	99
5) Bromomethane	1.62	94	62042	50.41	ug/l	97
6) Chloroethane	1.70	64	68729	46.65	ug/l	98
7) Trichlorofluoromethane	1.89	101	175065	48.05	ug/l	100
8) Diethyl Ether	2.10	74	61360	46.55	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99335	47.11	ug/l	99
10) Methyl Iodide	2.41	142	85720	44.69	ug/l	100
11) Tert butyl alcohol	2.82	59	122828	194.26	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90372	45.41	ug/l	95
13) Acrolein	2.19	56	44773	195.08	ug/l	100
14) Allyl chloride	2.59	41	161279	45.09	ug/l	98
15) Acrylonitrile	2.93	53	270534	214.30	ug/l	98
16) Acetone	2.32	43	321300	228.19	ug/l	98
17) Carbon Disulfide	2.48	76	299921	46.57	ug/l	99
18) Methyl Acetate	2.62	43	161429	47.63	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	345071	47.85	ug/l	99
20) Methylene Chloride	2.70	84	110839	44.42	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	109232	47.48	ug/l	98
22) Diisopropyl ether	3.57	45	336530	47.75	ug/l	95
23) Vinyl Acetate	3.53	43	1428564	232.59	ug/l	99
24) 1,1-Dichloroethane	3.45	63	199475	47.15	ug/l	99
25) 2-Butanone	4.26	43	422603	220.49	ug/l	98
26) 2,2-Dichloropropane	4.23	77	191344	49.76	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	120688	46.53	ug/l	99
28) Bromochloromethane	4.55	49	92831	49.08	ug/l	99
29) Tetrahydrofuran	4.64	42	245638	213.91	ug/l	100
30) Chloroform	4.68	83	208096	46.60	ug/l	99
31) Cyclohexane	5.00	56	176409	47.88	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	193360	48.09	ug/l	99
36) 1,1-Dichloropropene	5.14	75	160362	50.57	ug/l	99
37) Ethyl Acetate	4.38	43	147335	44.81	ug/l	98
38) Carbon Tetrachloride	5.14	117	176485	49.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	185579	51.08	ug/l	98
40) Benzene	5.39	78	443826	47.88	ug/l	97
41) Methacrylonitrile	4.54	41	83342	45.64	ug/l	98
42) 1,2-Dichloroethane	5.41	62	168257	47.14	ug/l	99
43) Isopropyl Acetate	5.55	43	247685	45.59	ug/l	99
44) Trichloroethene	6.19	130	125058	48.45	ug/l	99
45) 1,2-Dichloropropane	6.44	63	116795	48.32	ug/l	97
46) Dibromomethane	6.56	93	80402	45.90	ug/l	96
47) Bromodichloromethane	6.76	83	165427	49.51	ug/l	98
48) Methyl methacrylate	6.62	41	126848	47.64	ug/l	97
49) 1,4-Dioxane	6.61	88	54569	842.12	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	763301	224.40	ug/l	100
52) Toluene	7.64	92	285445	49.57	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	190560	50.80	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	195440	50.72	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	115041	48.07	ug/l	98
56) Ethyl methacrylate	8.02	69	165613	48.44	ug/l	96
57) 1,3-Dichloropropane	8.25	76	194789	48.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	336464	218.24	ug/l	99
59) 2-Hexanone	8.36	43	607334	227.78	ug/l	97
60) Dibromochloromethane	8.48	129	139964	49.60	ug/l	100
61) 1,2-Dibromoethane	8.59	107	126555	47.55	ug/l	99
64) Tetrachloroethene	8.23	164	114570	49.91	ug/l	98
65) Chlorobenzene	9.12	112	330834	49.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	122611	50.41	ug/l	98
67) Ethyl Benzene	9.25	91	564269	50.66	ug/l	99
68) m/p-Xylenes	9.38	106	444966	104.06	ug/l	98
69) o-Xylene	9.78	106	212023	50.74	ug/l	98
70) Styrene	9.80	104	350040	51.86	ug/l	99
71) Bromoform	9.96	173	108979	51.67	ug/l #	100
73) Isopropylbenzene	10.17	105	582733	50.31	ug/l	100
74) N-amyl acetate	10.01	43	226360	47.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	179624	44.84	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	153729m	41.11	ug/l	
77) Bromobenzene	10.45	156	156201	48.89	ug/l	98
78) n-propylbenzene	10.59	91	689296	50.98	ug/l	99
79) 2-Chlorotoluene	10.66	91	398020	50.26	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	504722	51.31	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	218075	146.24	ug/l #	100
82) 4-Chlorotoluene	10.77	91	479212	51.34	ug/l	99
83) tert-Butylbenzene	11.10	119	497097	50.86	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	517202	51.88	ug/l	99
85) sec-Butylbenzene	11.33	105	614686	51.51	ug/l	100
86) p-Isopropyltoluene	11.48	119	556867	52.11	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	293907	49.56	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	298728	48.32	ug/l	99
89) n-Butylbenzene	11.89	91	519171	52.65	ug/l	100
90) Hexachloroethane	12.15	117	96100	50.58	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	287567	49.47	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	42904	45.18	ug/l	97

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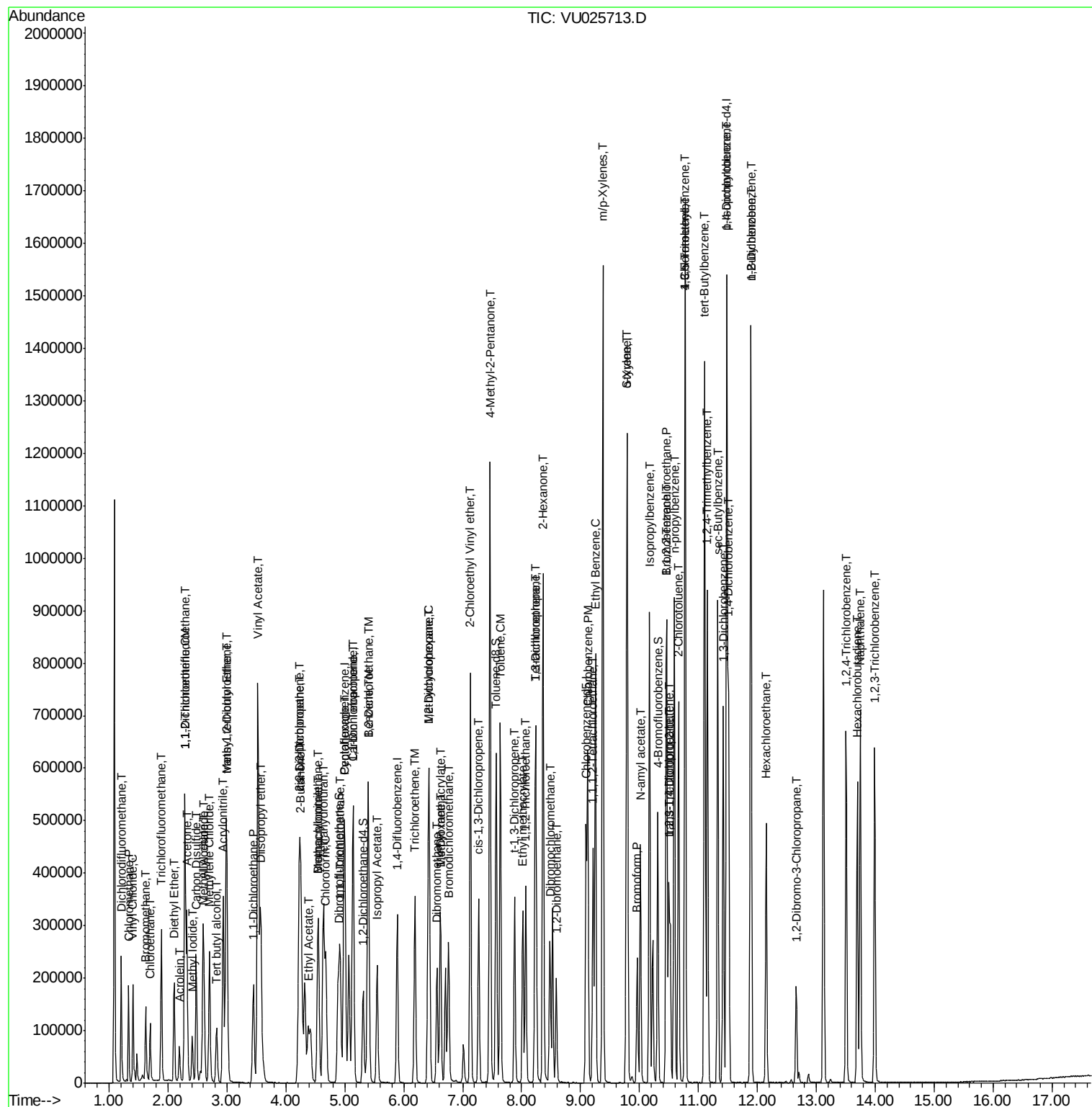
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	210004	53.53	ug/l	100
94) Hexachlorobutadiene	13.70	225	107109	51.79	ug/l	98
95) Naphthalene	13.74	128	575041	45.74	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	203051	51.88	ug/l	99

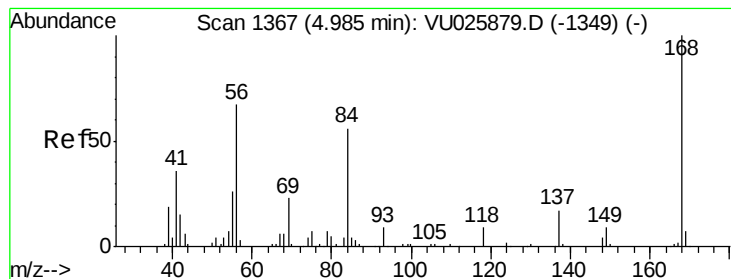
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

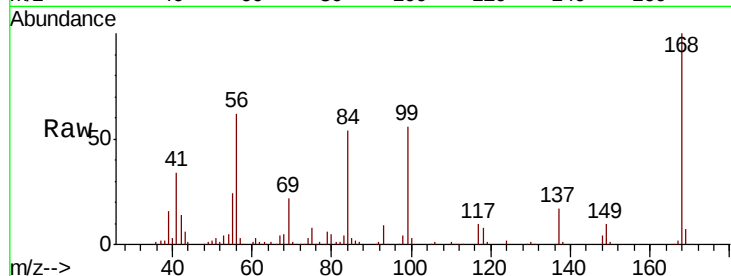
VSTDCCC050

Tot Ion:168 Resp: 185352

Ion Ratio Lower Upper

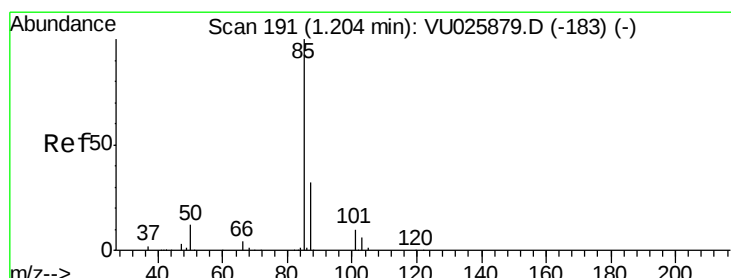
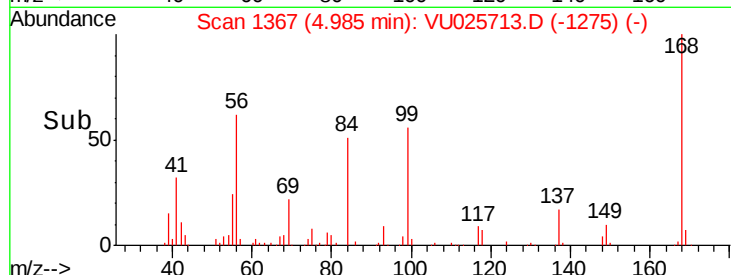
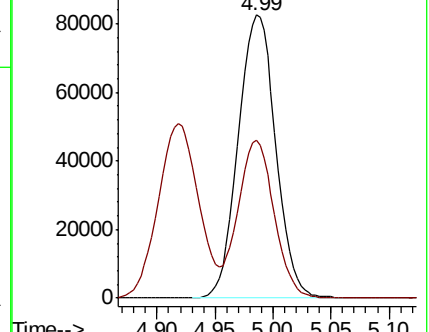
168 100

99 55.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#2

Dichlorodifluoromethane

Concen: 51.39 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025713.D

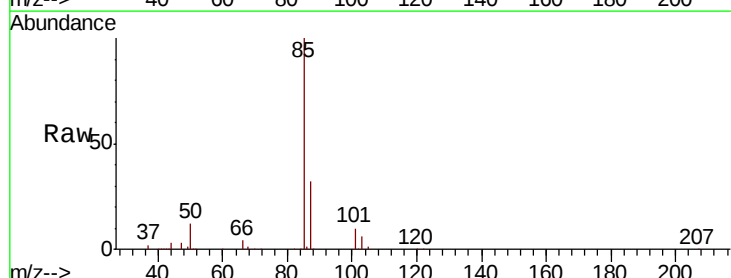
Acq: 30 Jul 2018 10:20

Tgt Ion: 85 Resp: 143975

Ion Ratio Lower Upper

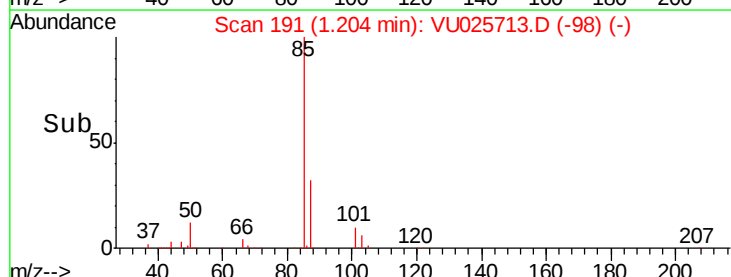
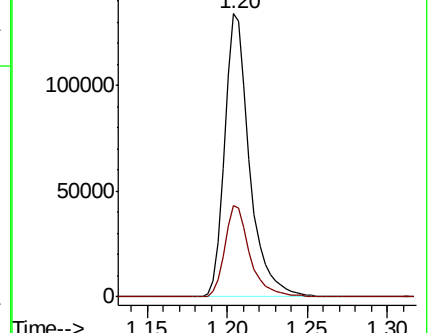
85 100

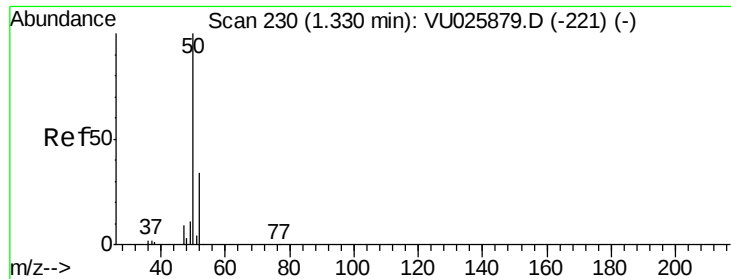
87 32.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025879.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025879.D (-183) (-)





#3

Chloromethane

Concen: 44.94 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

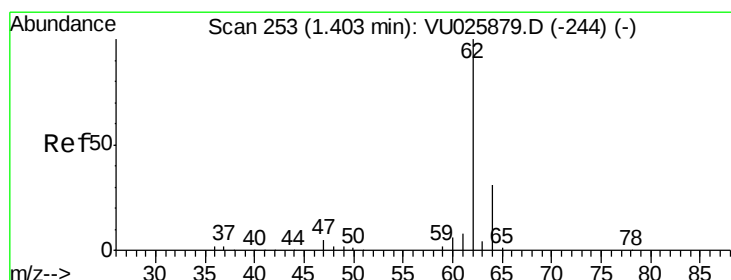
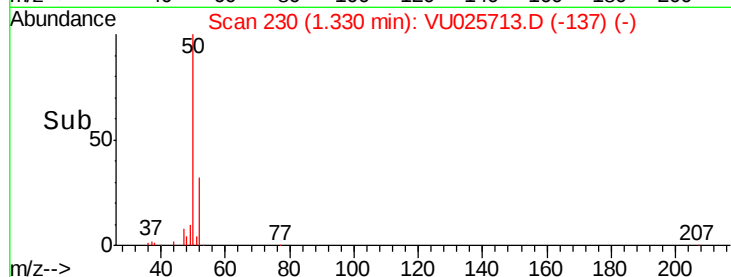
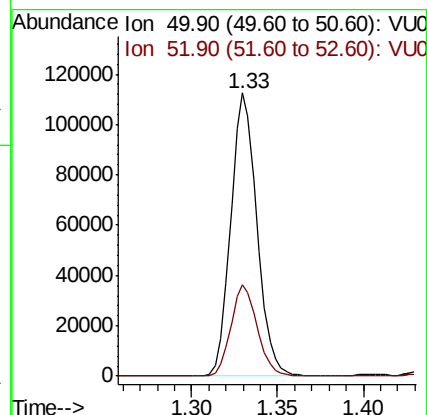
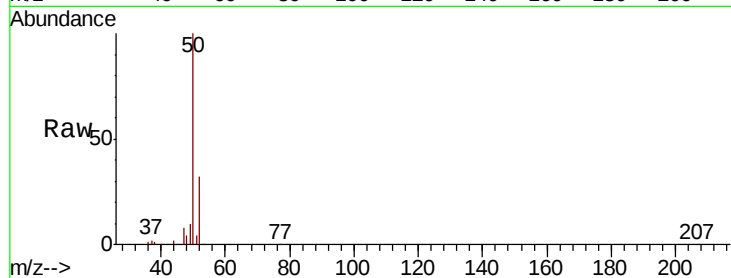
VSTDCCC050

Tot Ion: 50 Resp: 120328

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



#4

Vinyl Chloride

Concen: 46.73 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025713.D

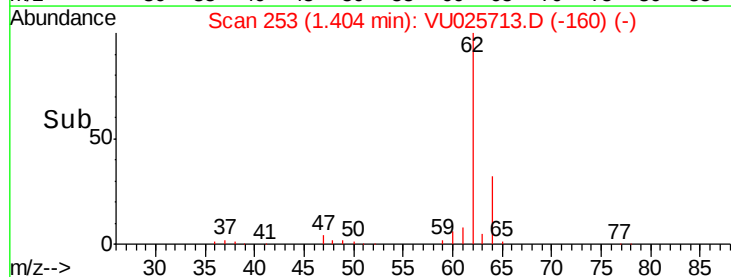
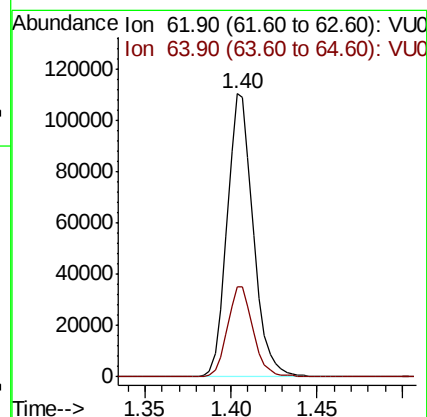
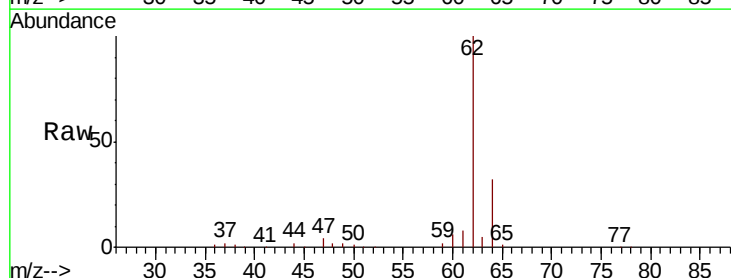
Acq: 30 Jul 2018 10:20

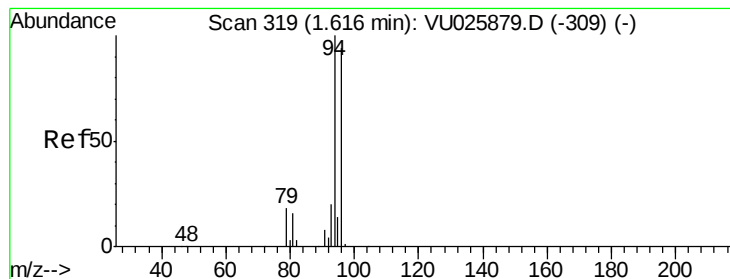
Tgt Ion: 62 Resp: 117749

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 50.41 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

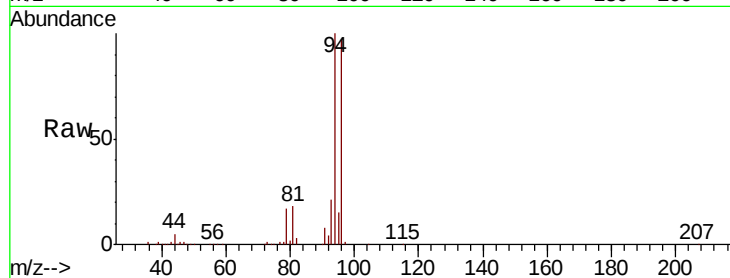
VSTDCCC050

Tot Ion: 94 Resp: 62042

Ion Ratio Lower Upper

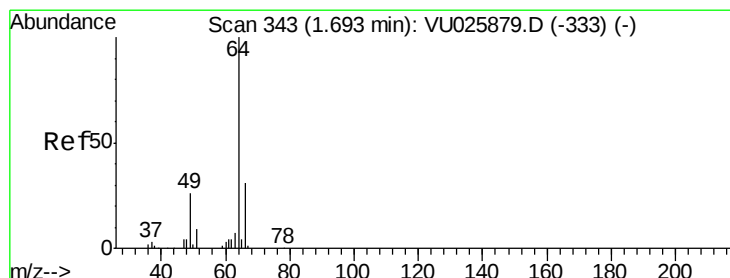
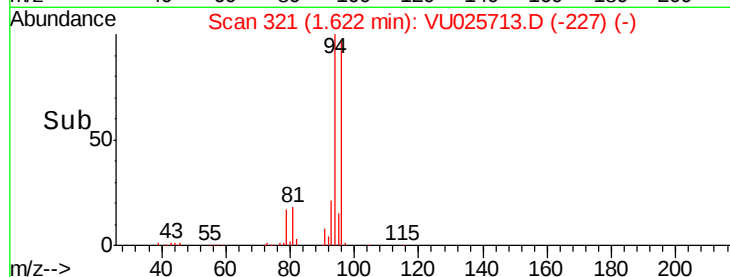
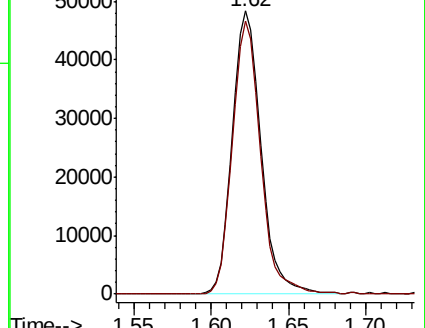
94 100

96 96.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU025713.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025713.D (-227) (-)



#6

Chloroethane

Concen: 46.65 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025713.D

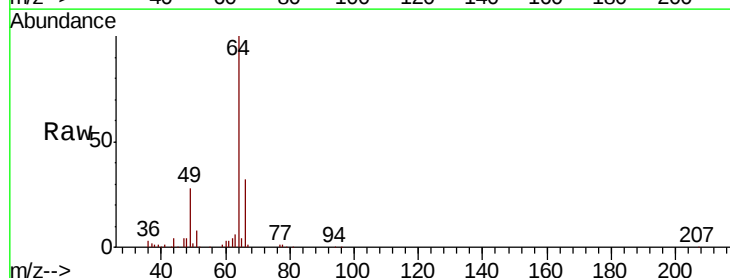
Acq: 30 Jul 2018 10:20

Tgt Ion: 64 Resp: 68729

Ion Ratio Lower Upper

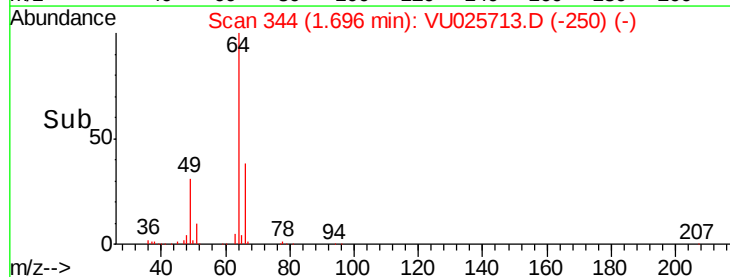
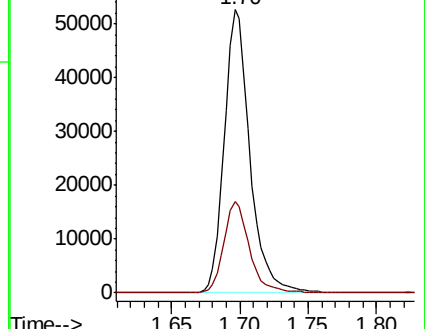
64 100

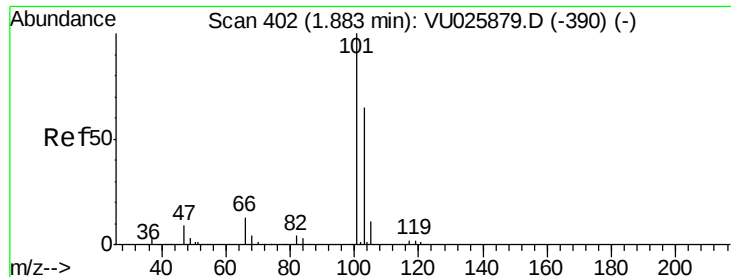
66 32.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025713.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025713.D (-250) (-)





#7

Trichlorofluoromethane

Concen: 48.05 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

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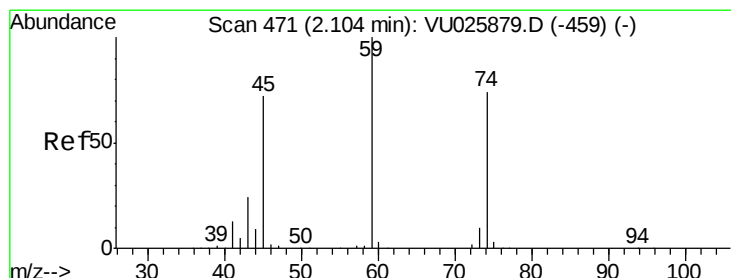
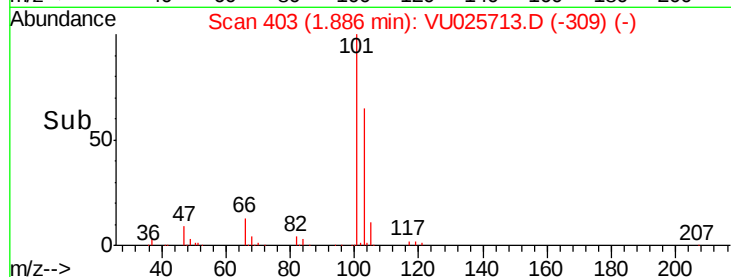
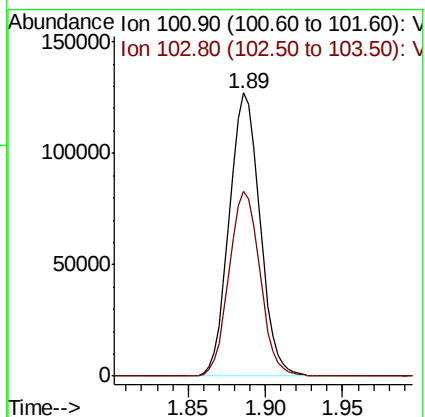
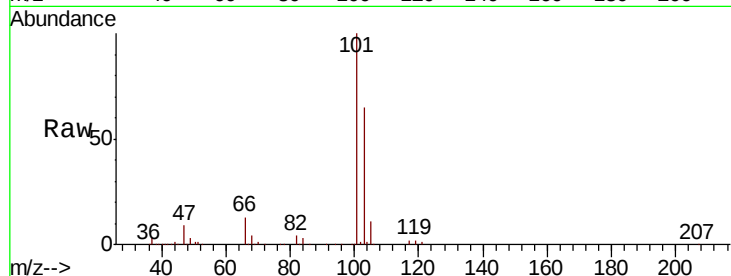
VSTDCCC050

Tot Ion:101 Resp: 175065

Ion Ratio Lower Upper

101 100

103 65.4 52.2 78.2



#8

Diethyl Ether

Concen: 46.55 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025713.D

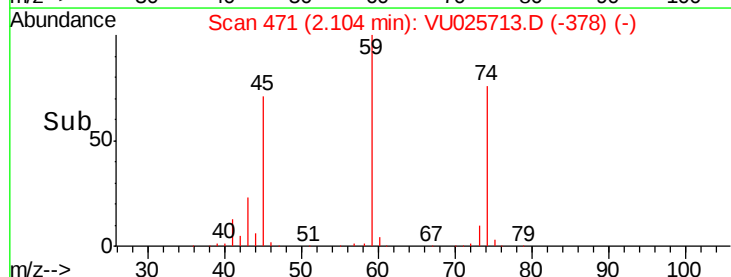
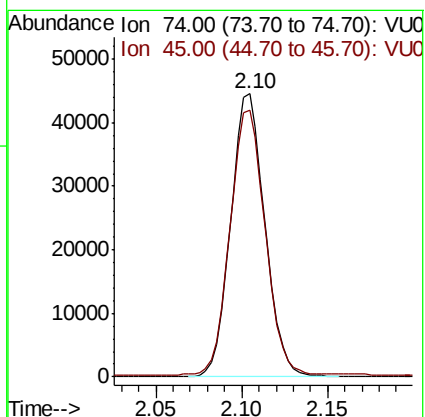
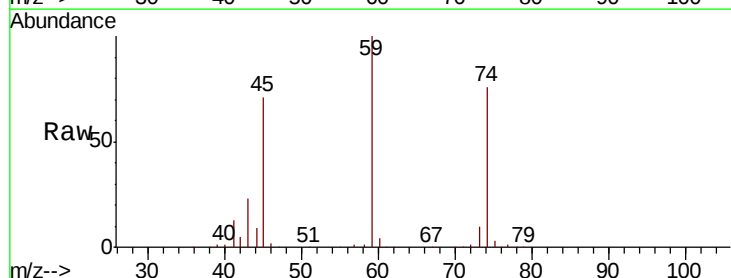
Acq: 30 Jul 2018 10:20

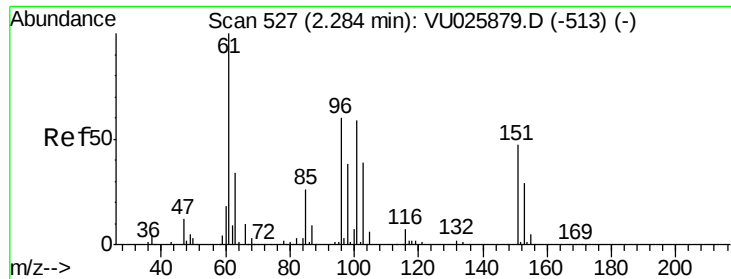
Tgt Ion: 74 Resp: 61360

Ion Ratio Lower Upper

74 100

45 96.4 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.11 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

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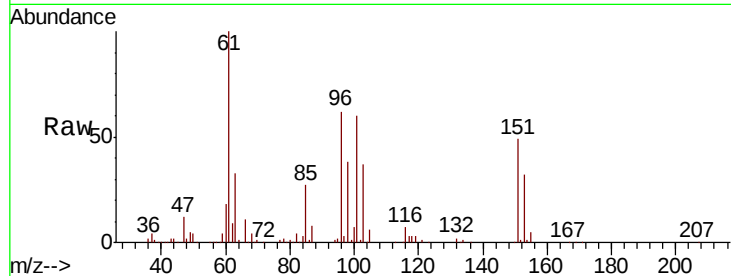
Tot Ion:101 Resp: 99335

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

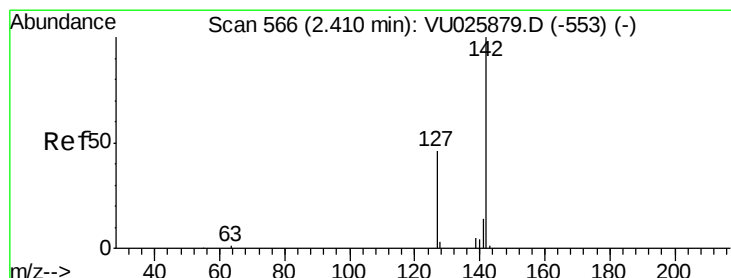
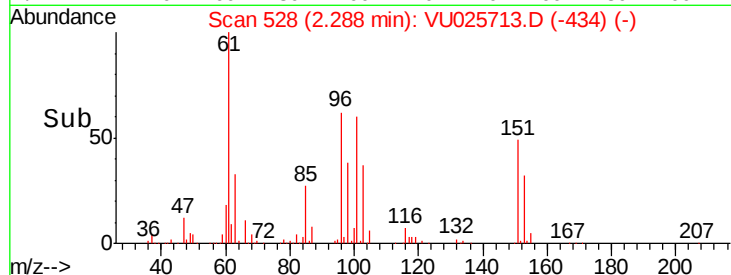
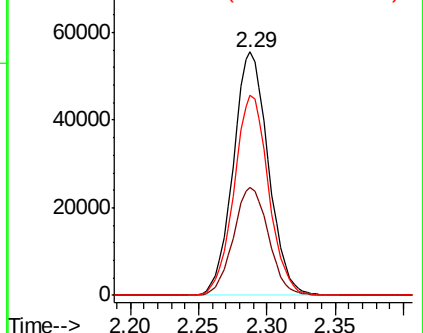
151 80.7 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.69 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

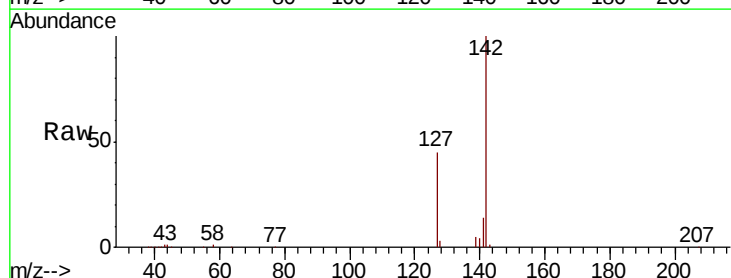
Tgt Ion:142 Resp: 85720

Ion Ratio Lower Upper

142 100

127 45.7 36.5 54.7

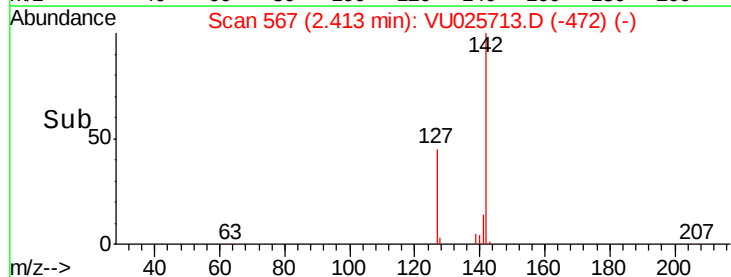
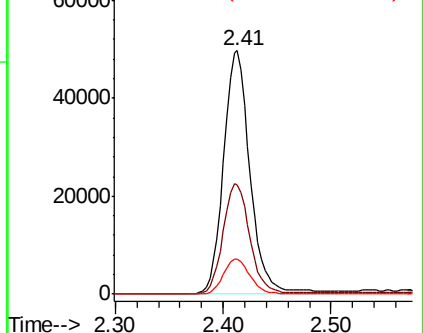
141 14.3 11.4 17.2

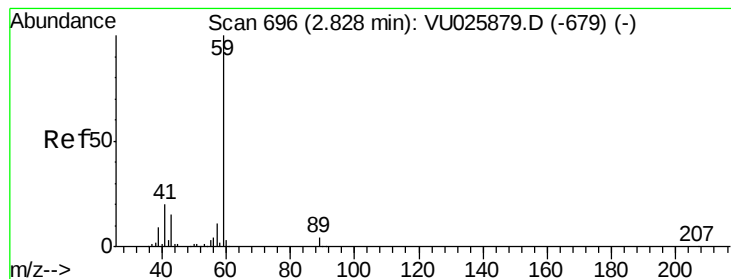


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 194.26 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.01 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

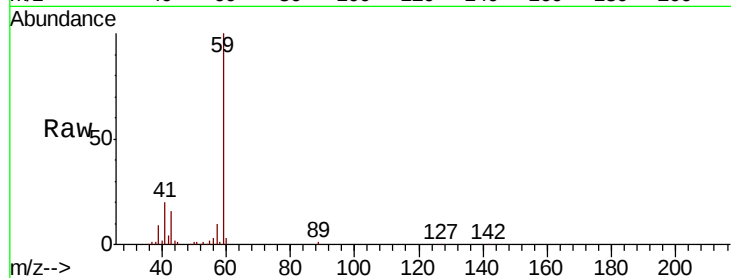
VSTDCCC050

Tot Ion: 59 Resp: 122828

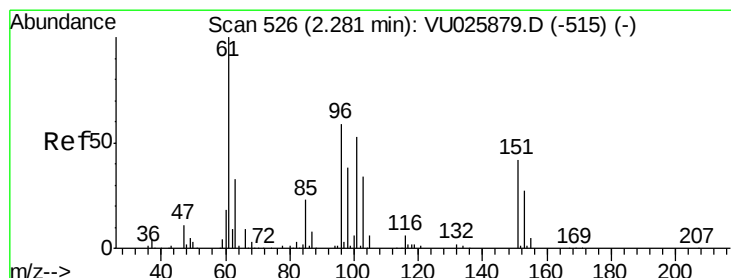
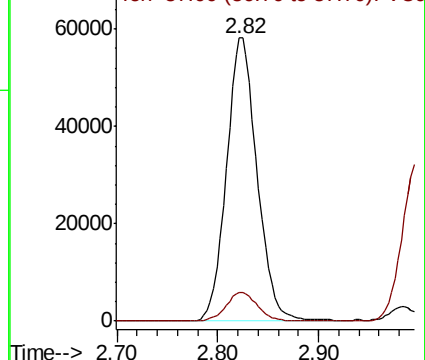
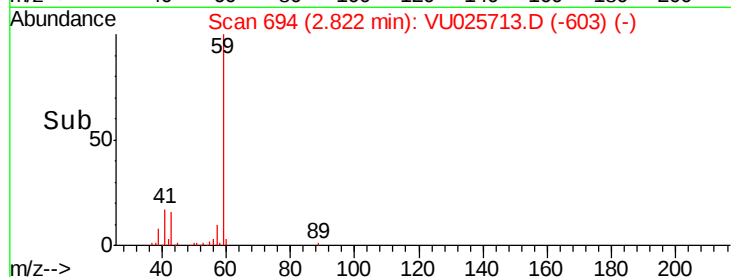
Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VU025713.D (-603) (-)



#12

1,1-Dichloroethene

Concen: 45.41 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

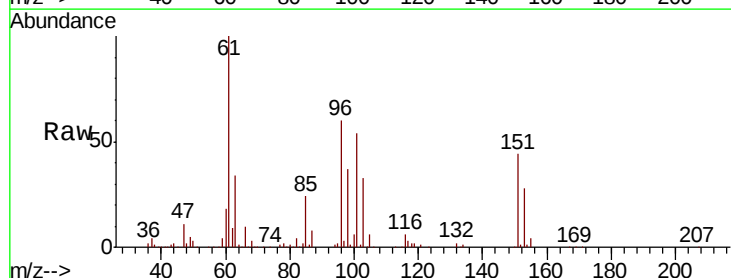
Tgt Ion: 96 Resp: 90372

Ion Ratio Lower Upper

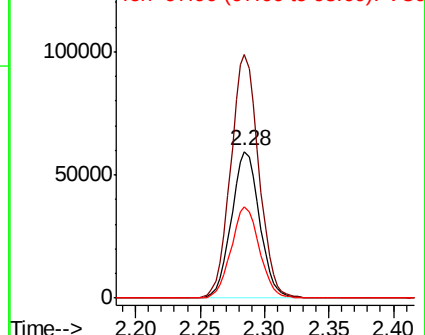
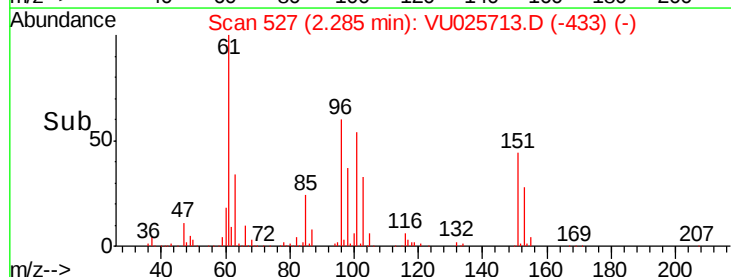
96 100

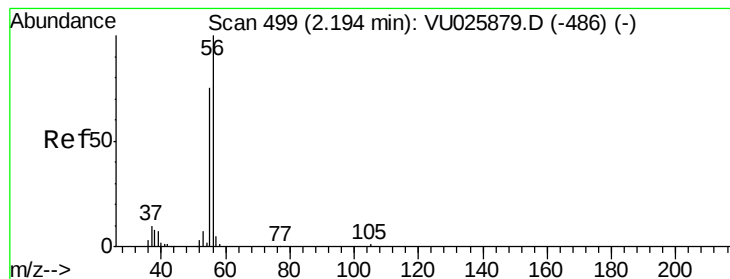
61 166.0 140.2 210.4

98 62.0 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VU025713.D (-433) (-)





#13

Acrolein

Concen: 195.08 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

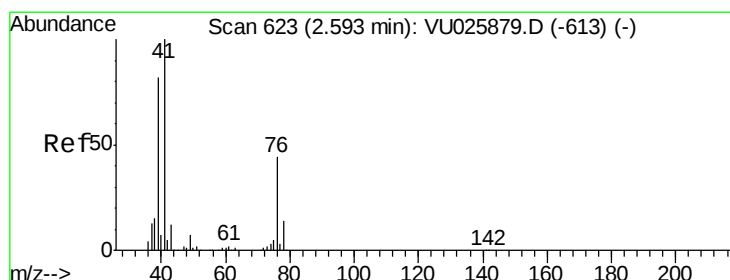
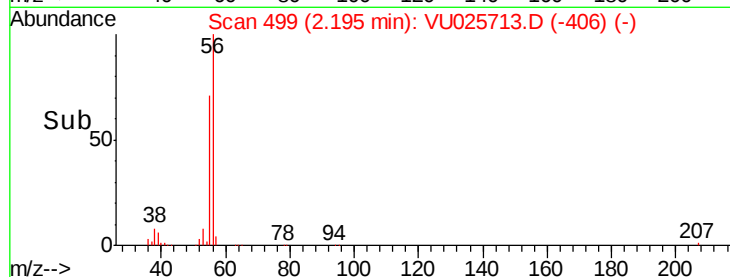
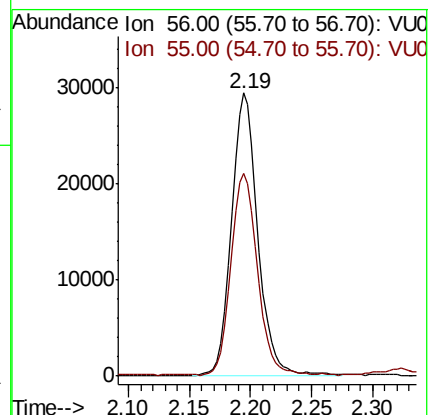
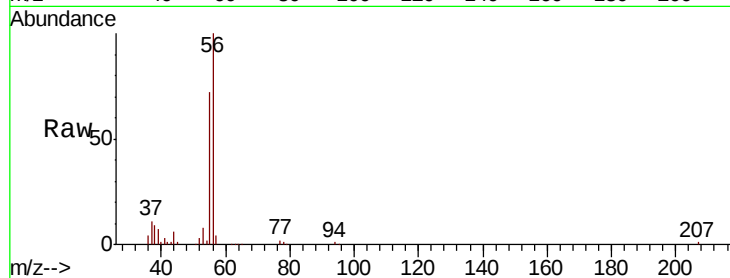
VSTDCCC050

Tot Ion: 56 Resp: 44773

Ion Ratio Lower Upper

56 100

55 71.3 57.2 85.8



#14

Allyl chloride

Concen: 45.09 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

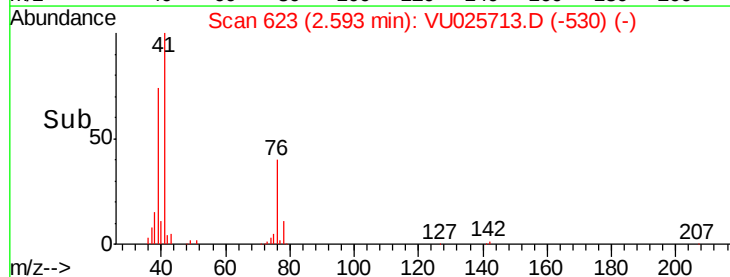
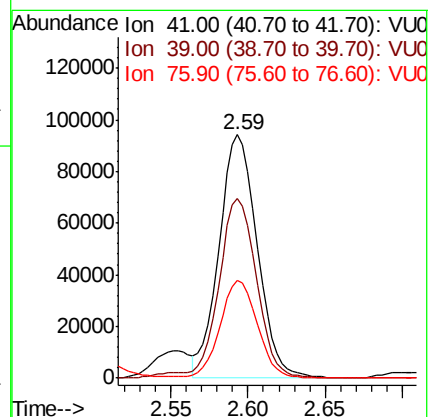
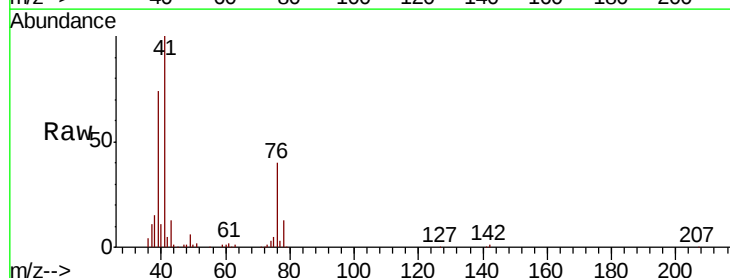
Tgt Ion: 41 Resp: 161279

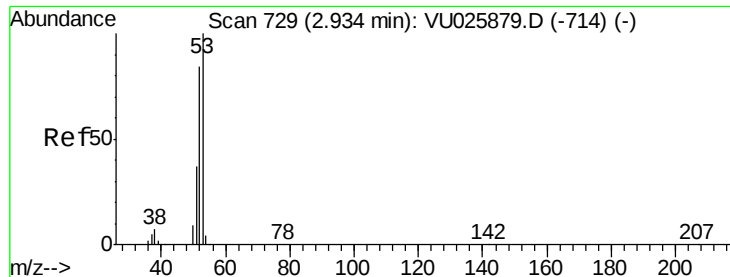
Ion Ratio Lower Upper

41 100

39 74.6 60.6 91.0

76 39.2 30.5 45.7





#15

Acrylonitrile

Concen: 214.30 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

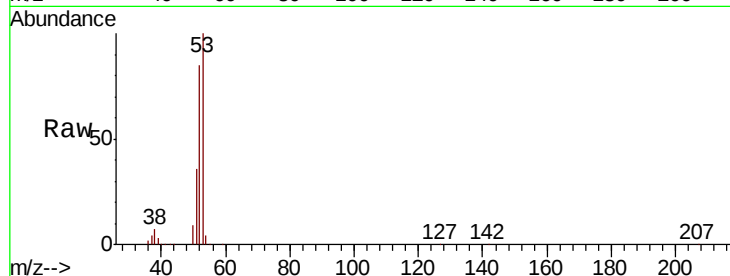
Tot Ion: 53 Resp: 270534

Ion Ratio Lower Upper

53 100

52 85.5 66.6 99.8

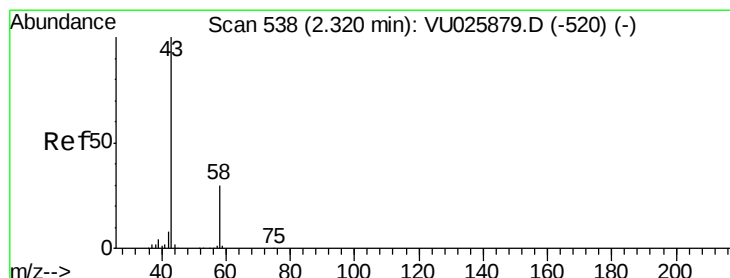
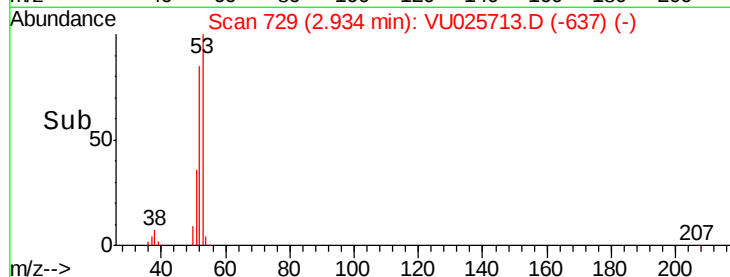
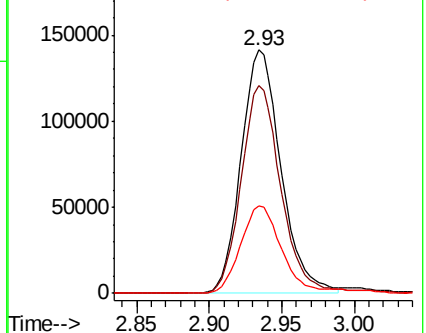
51 38.1 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VU025713.D (-637) (-)

Ion 52.00 (51.70 to 52.70): VU025713.D (-637) (-)

Ion 51.00 (50.70 to 51.70): VU025713.D (-637) (-)



#16

Acetone

Concen: 228.19 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025713.D

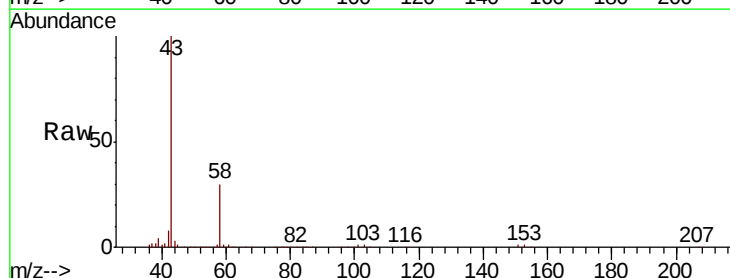
Acq: 30 Jul 2018 10:20

Tgt Ion: 43 Resp: 321300

Ion Ratio Lower Upper

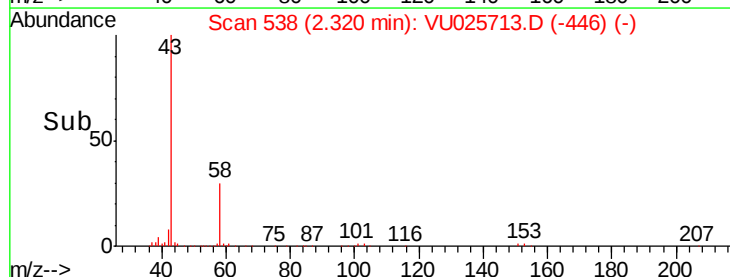
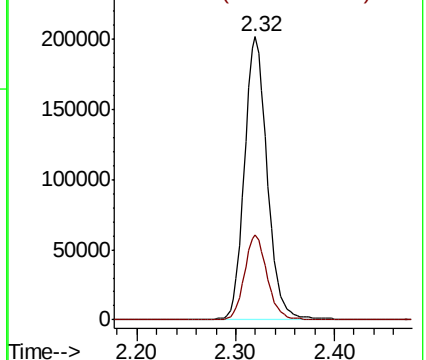
43 100

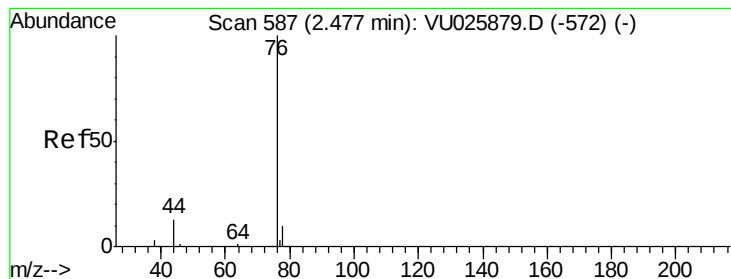
58 30.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025713.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU025713.D (-446) (-)





#17

Carbon Disulfide

Concen: 46.57 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

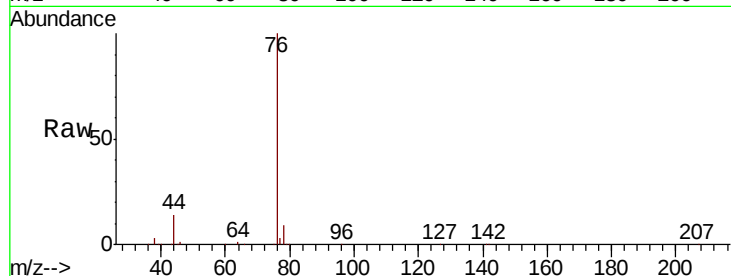
VSTDCCC050

Tot Ion: 76 Resp: 299921

Ion Ratio Lower Upper

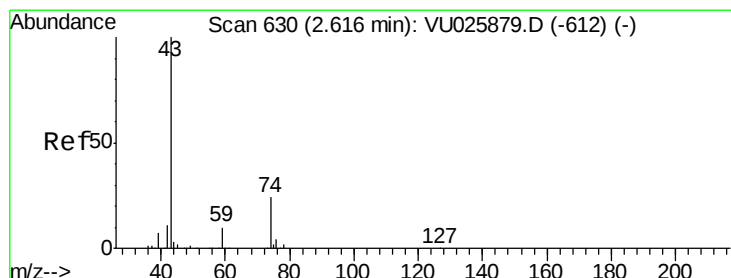
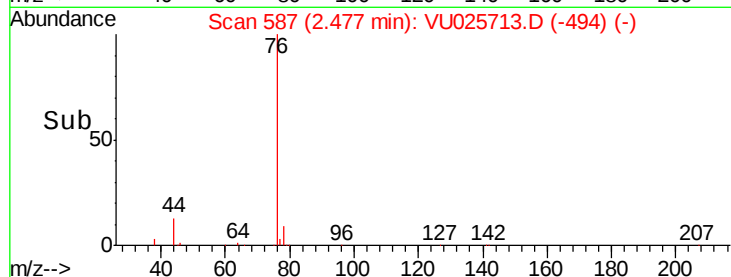
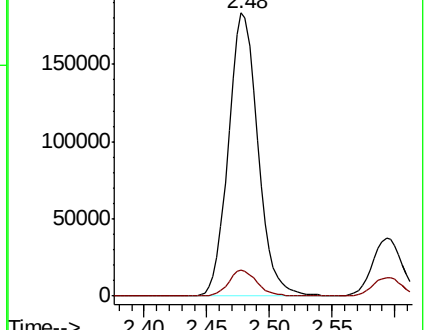
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025713.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025713.D (-494) (-)



#18

Methyl Acetate

Concen: 47.63 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025713.D

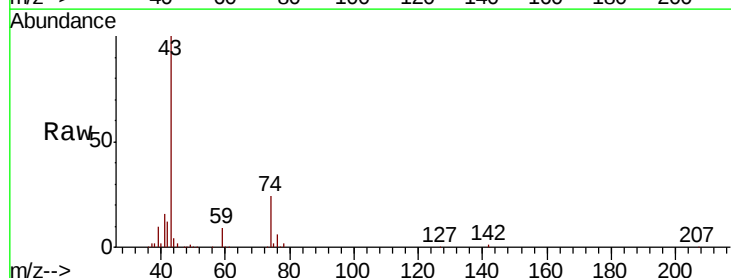
Acq: 30 Jul 2018 10:20

Tgt Ion: 43 Resp: 161429

Ion Ratio Lower Upper

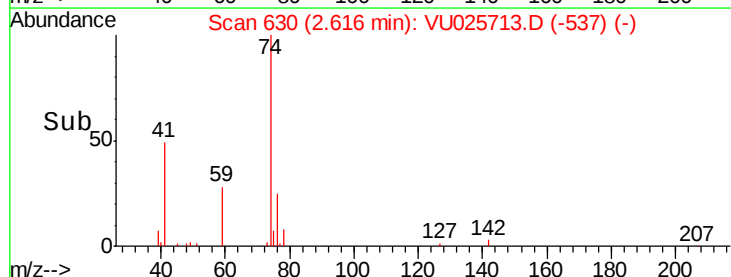
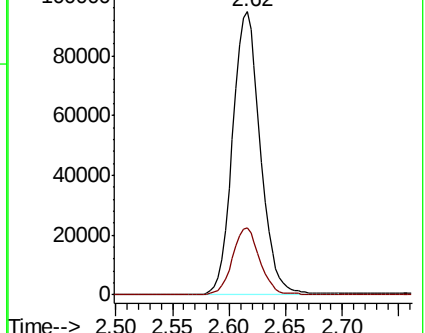
43 100

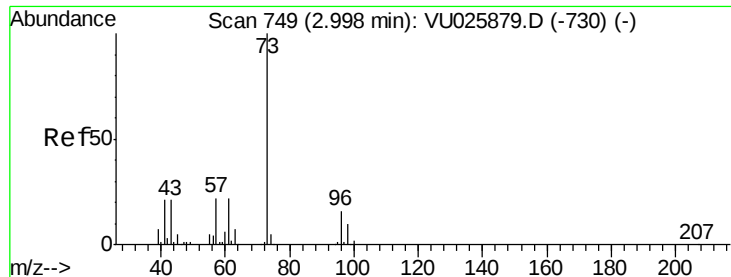
74 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025713.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025713.D (-537) (-)

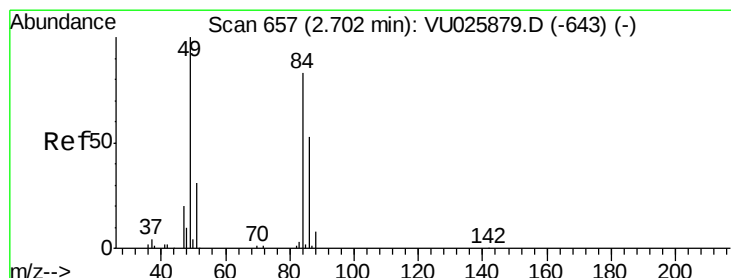
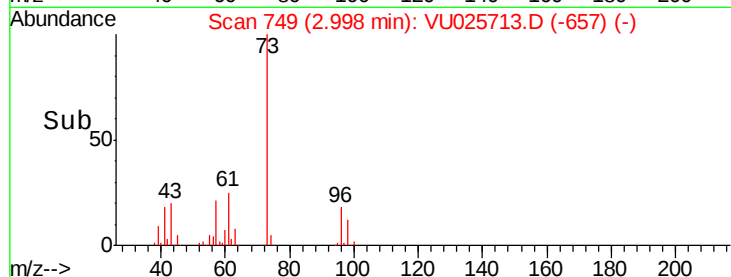
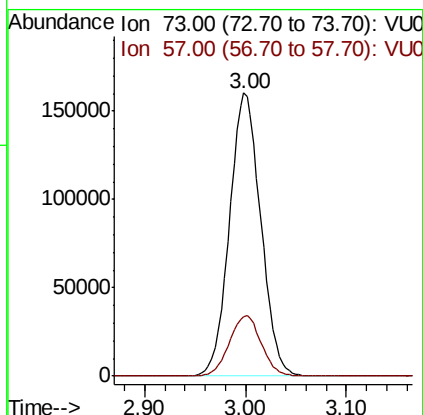
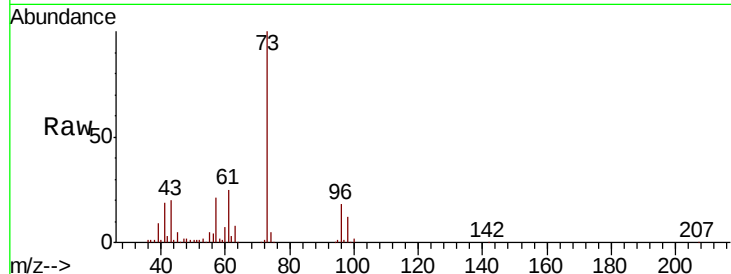




#19
Methyl tert-butyl Ether
Concen: 47.85 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

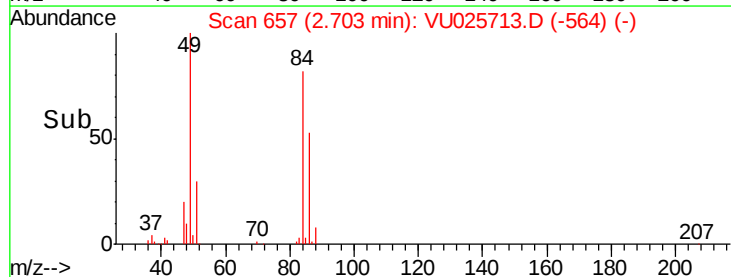
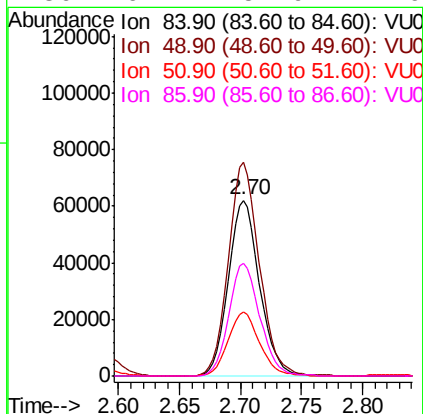
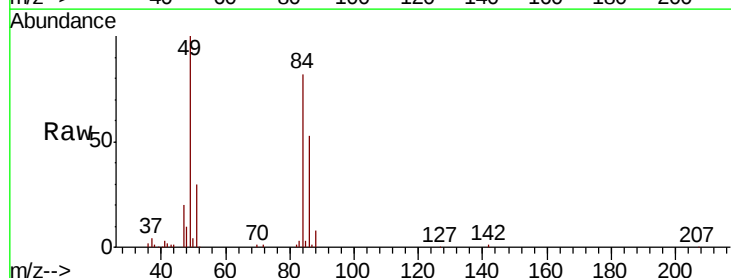
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

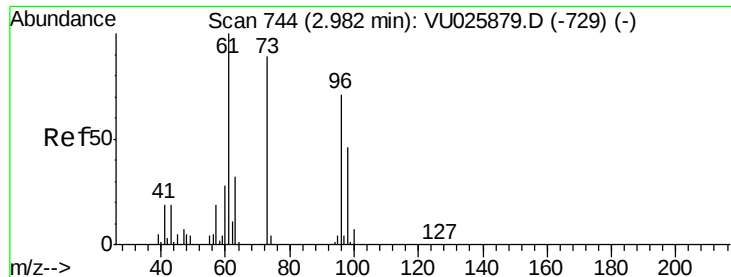
Tot Ion: 73 Resp: 345071
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2



#20
Methylene Chloride
Concen: 44.42 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 84 Resp: 110839
Ion Ratio Lower Upper
84 100
49 121.4 101.8 152.6
51 36.5 30.8 46.2
86 64.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.48 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

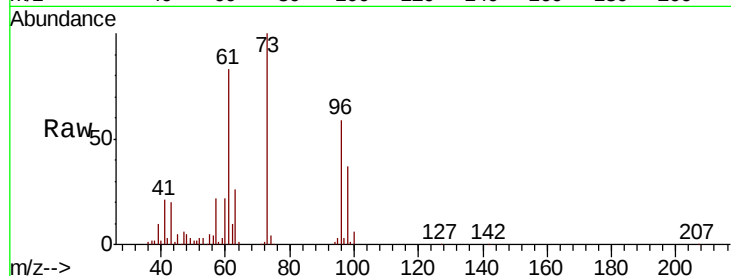
Tot Ion: 96 Resp: 109232

Ion Ratio Lower Upper

96 100

61 140.3 114.5 171.7

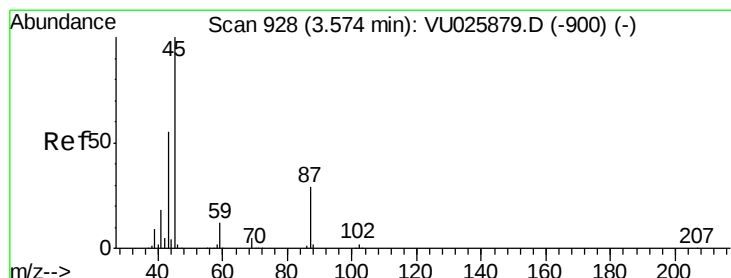
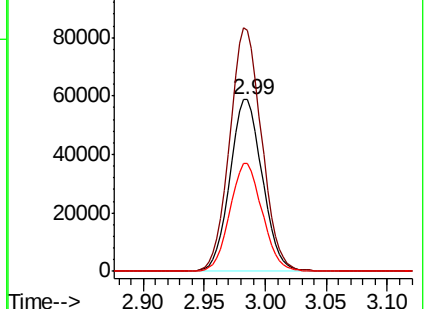
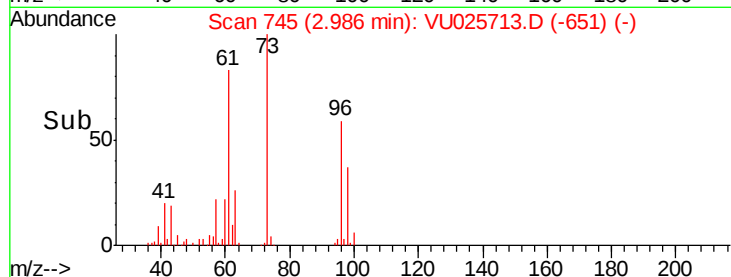
98 62.8 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025713.D (-651) (-)

Ion 60.90 (60.60 to 61.60): VU025713.D (-651) (-)

Ion 97.90 (97.60 to 98.60): VU025713.D (-651) (-)



#22

Diisopropyl ether

Concen: 47.75 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Tgt Ion: 45 Resp: 336530

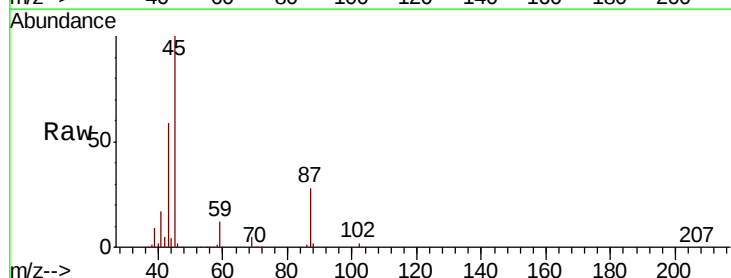
Ion Ratio Lower Upper

45 100

43 57.8 50.9 76.3

87 28.2 23.8 35.8

59 11.5 9.0 13.4

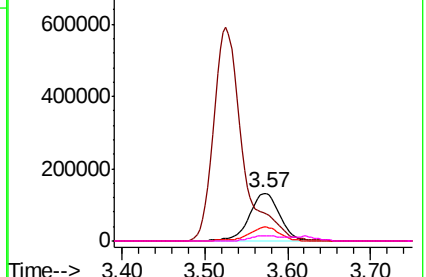
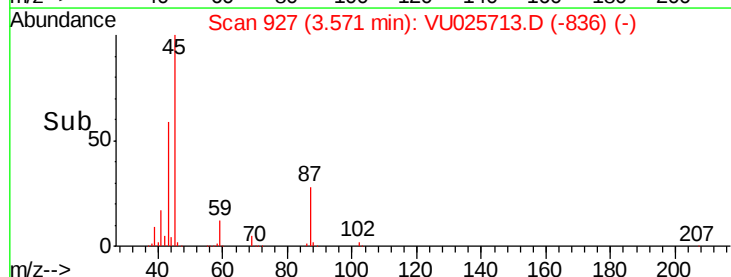


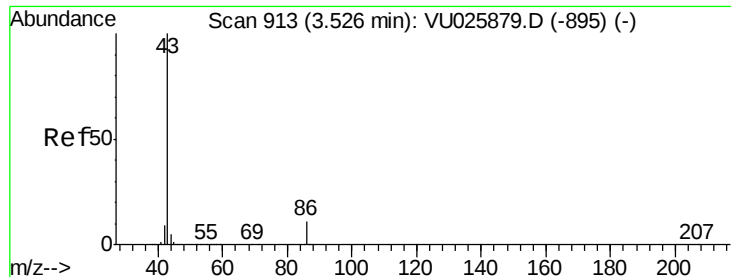
Abundance Ion 45.00 (44.70 to 45.70): VU025713.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU025713.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU025713.D (-836) (-)

Ion 59.00 (58.70 to 59.70): VU025713.D (-836) (-)





#23

Vinyl Acetate

Concen: 232.59 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

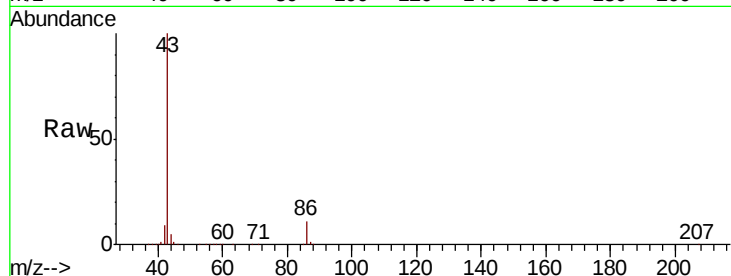
VSTDCCC050

Tot Ion: 43 Resp: 1428564

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU025713.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU025713.D (-821) (-)

3.53

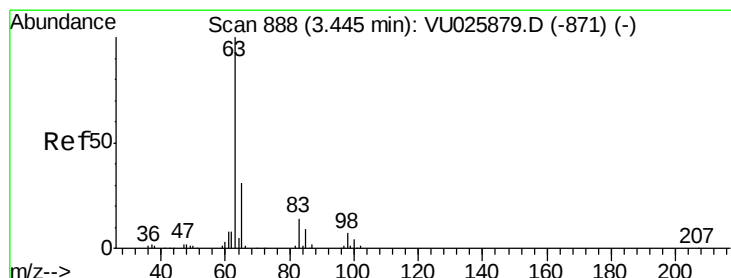
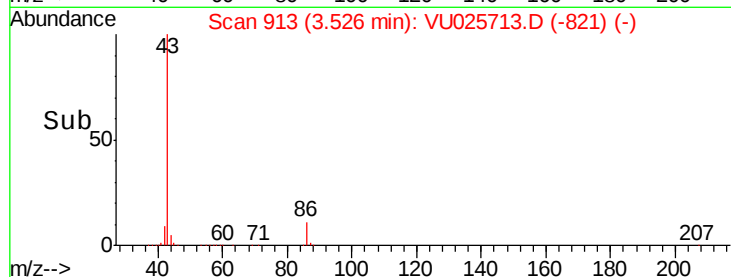
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.15 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

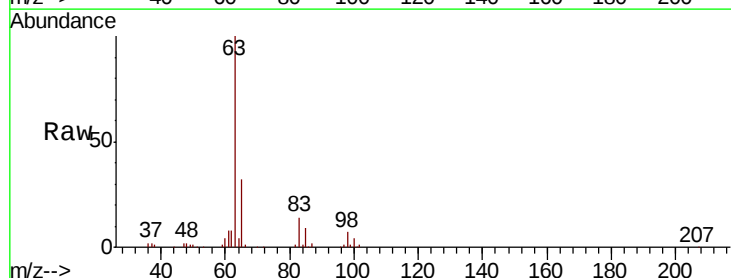
Tgt Ion: 63 Resp: 199475

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025713.D (-796) (-)

Ion 97.90 (97.60 to 98.60): VU025713.D (-796) (-)

Ion 99.90 (99.60 to 100.60): VU025713.D (-796) (-)

3.45

120000

100000

80000

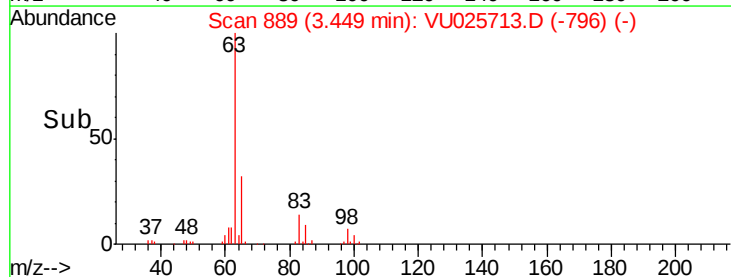
60000

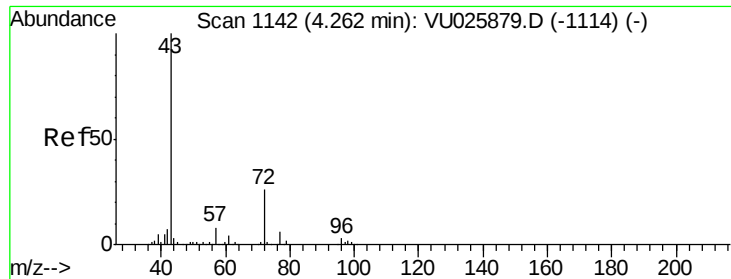
40000

20000

0

Time-->





#25

2-Butanone

Concen: 220.49 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

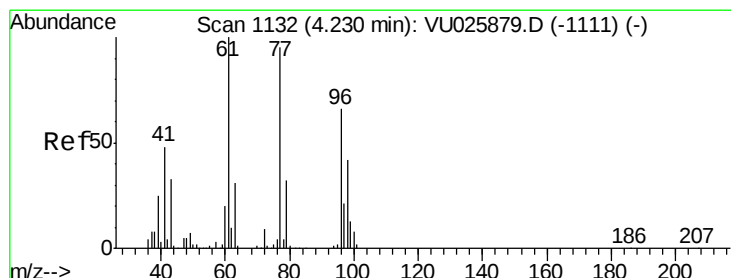
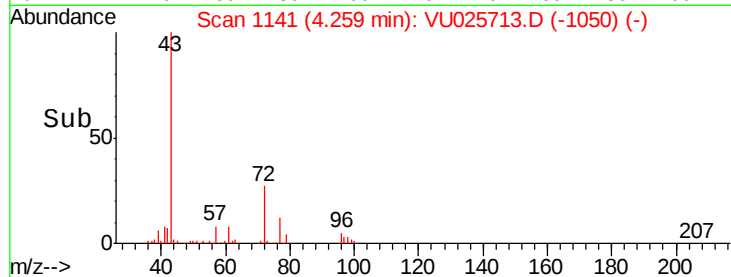
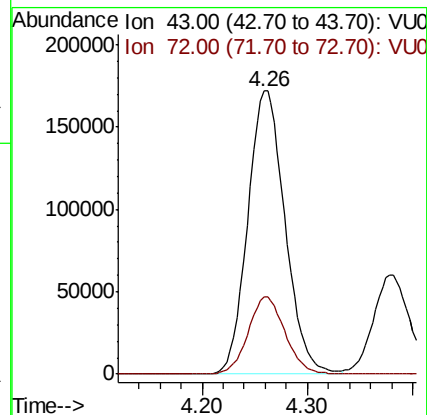
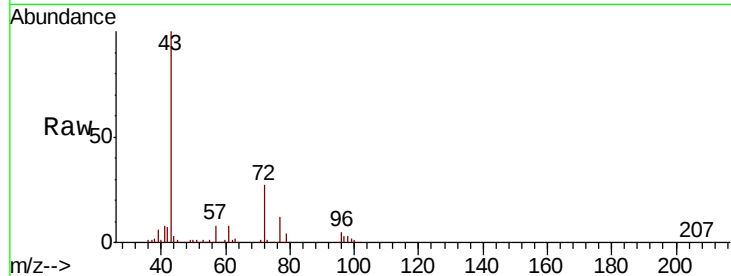
VSTDCCC050

Tot Ion: 43 Resp: 422603

Ion Ratio Lower Upper

43 100

72 27.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 49.76 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025713.D

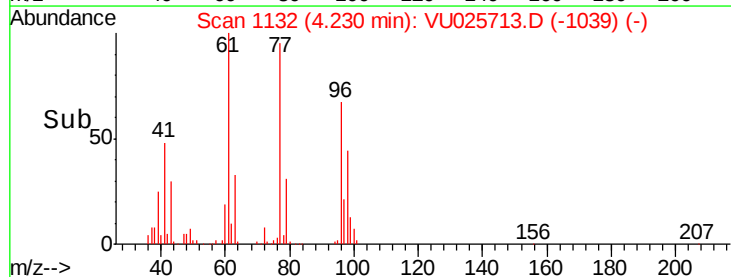
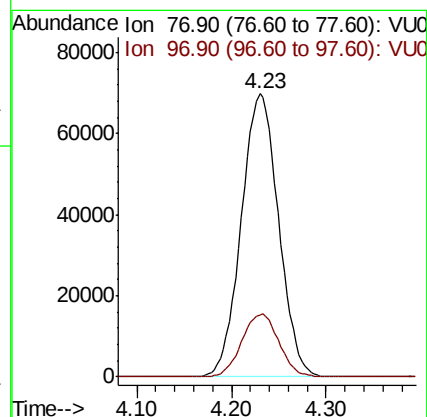
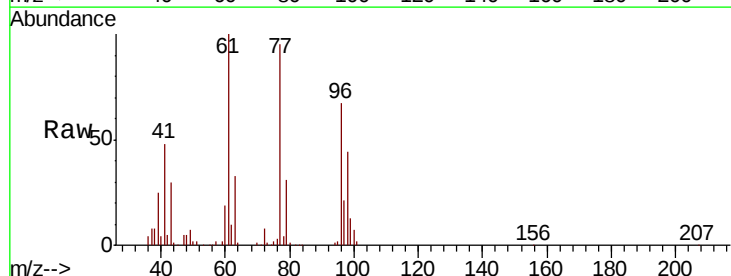
Acq: 30 Jul 2018 10:20

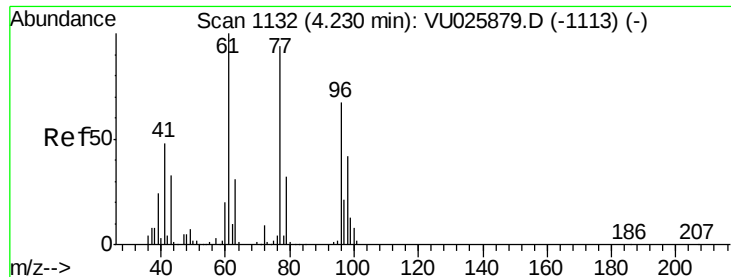
Tgt Ion: 77 Resp: 191344

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 46.53 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

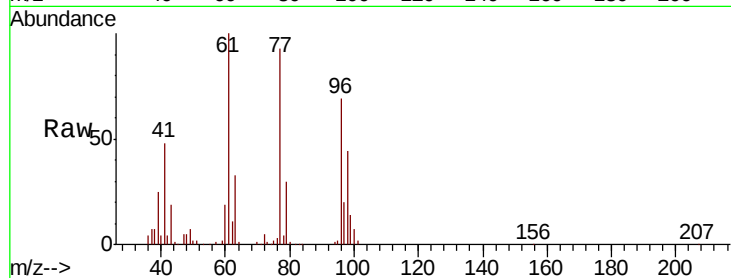
Tot Ion: 96 Resp: 120688

Ion Ratio Lower Upper

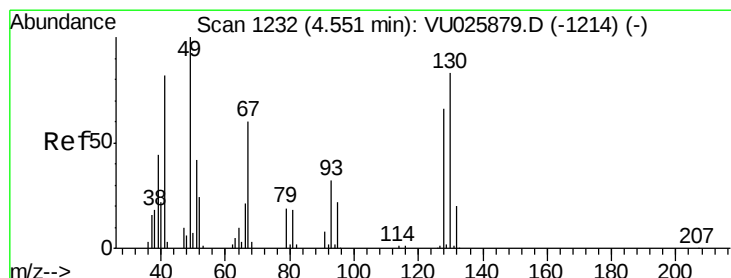
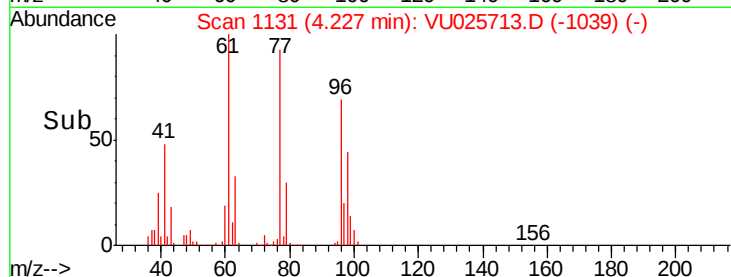
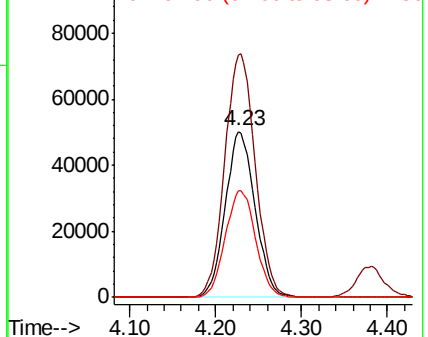
96 100

61 150.2 0.0 299.8

98 65.7 0.0 128.6



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



#28

Bromochloromethane

Concen: 49.08 ug/l

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

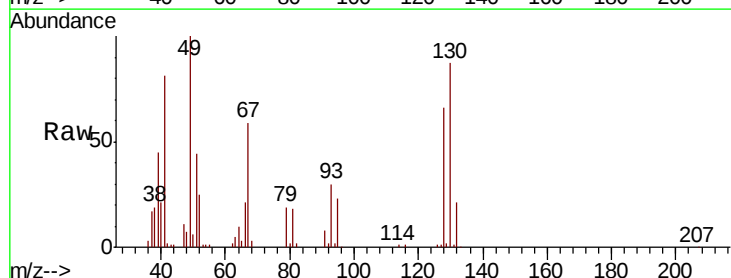
Tgt Ion: 49 Resp: 92831

Ion Ratio Lower Upper

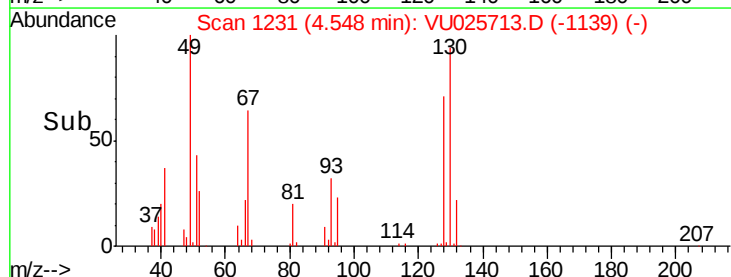
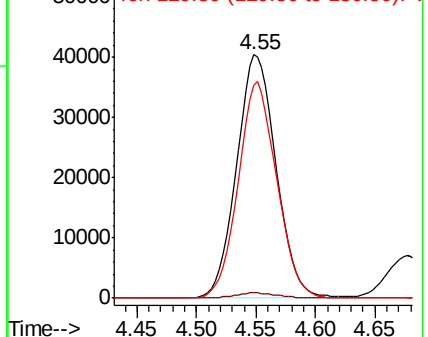
49 100

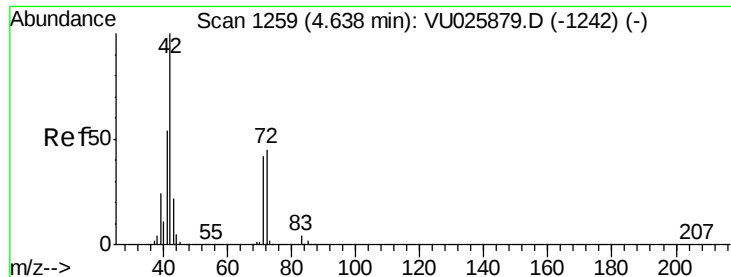
129 2.2 0.0 4.6

130 86.6 68.6 102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

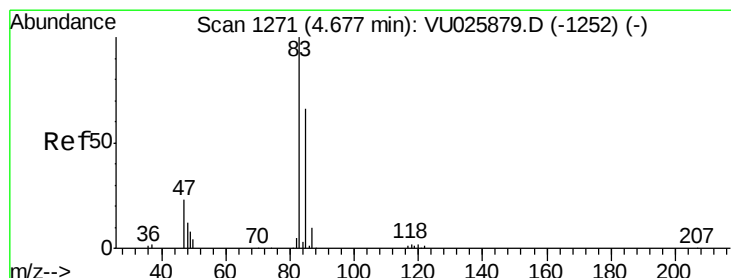
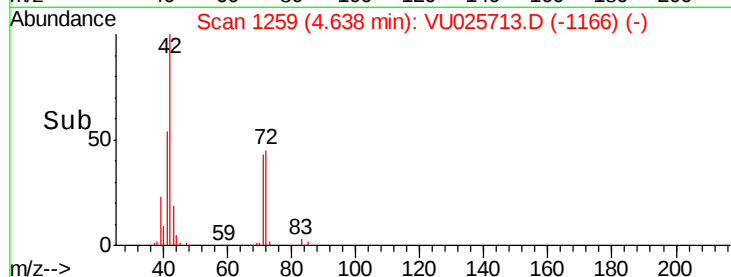
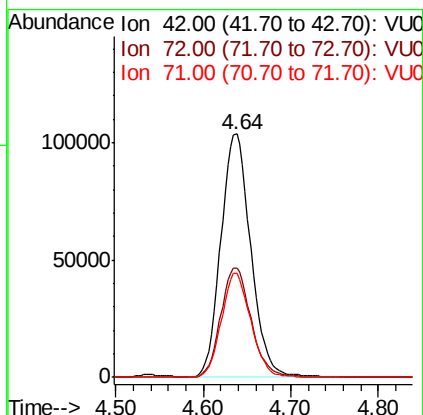
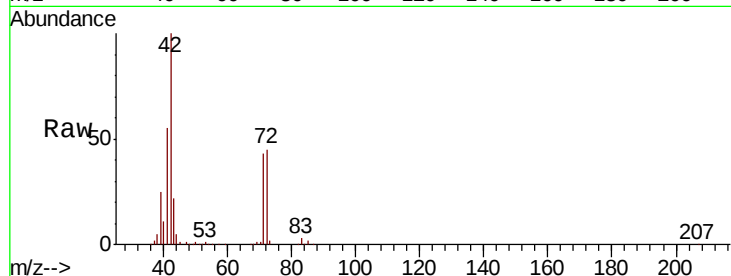




#29
Tetrahydrofuran
Concen: 213.91 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

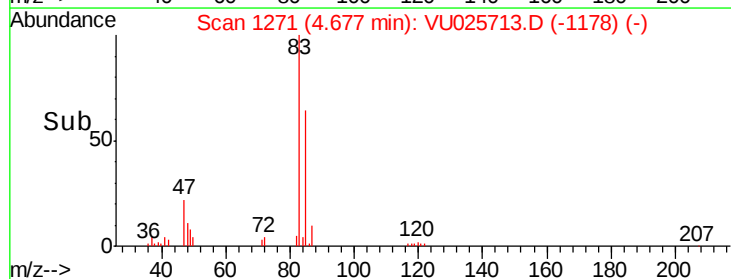
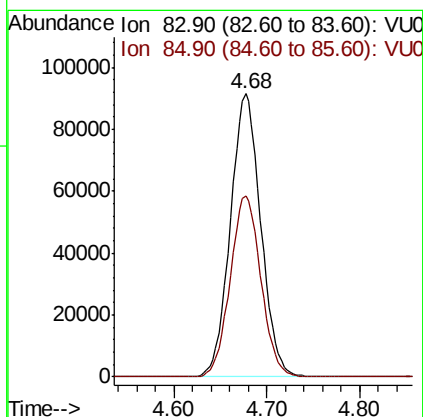
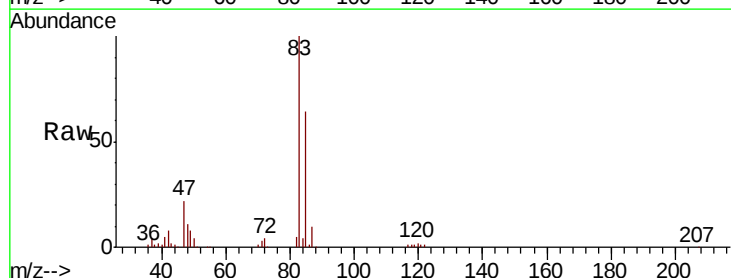
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

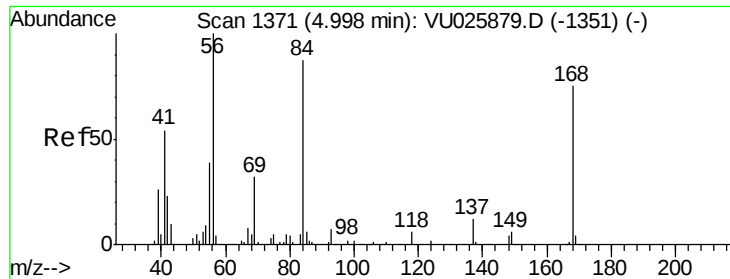
Tot Ion: 42 Resp: 245638
Ion Ratio Lower Upper
42 100
72 45.6 36.7 55.1
71 42.1 33.9 50.9



#30
Chloroform
Concen: 46.60 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 83 Resp: 208096
Ion Ratio Lower Upper
83 100
85 63.9 51.5 77.3





#31

Cyclohexane

Concen: 47.88 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

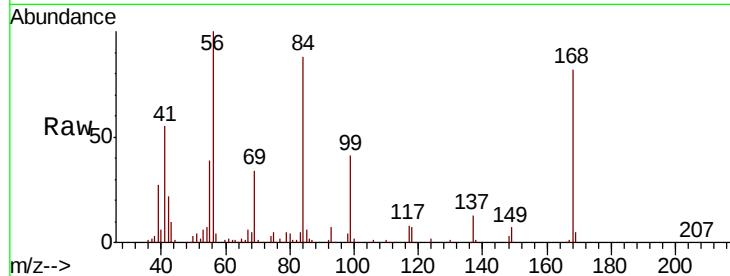
Tot Ion: 56 Resp: 176409

Ion Ratio Lower Upper

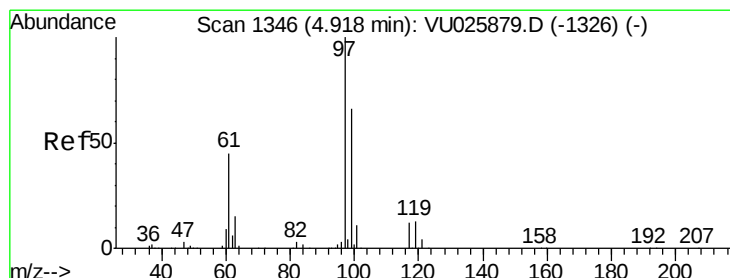
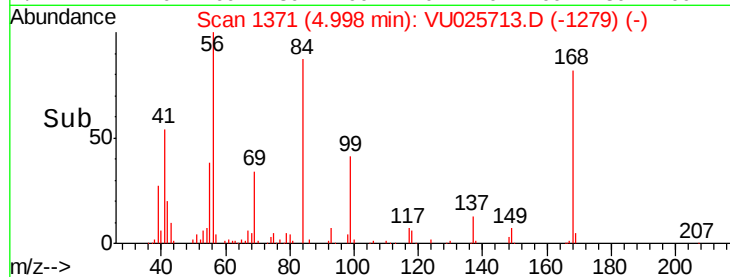
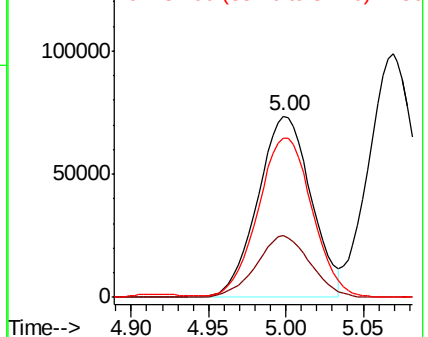
56 100

69 34.1 26.8 40.2

84 87.2 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 48.09 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

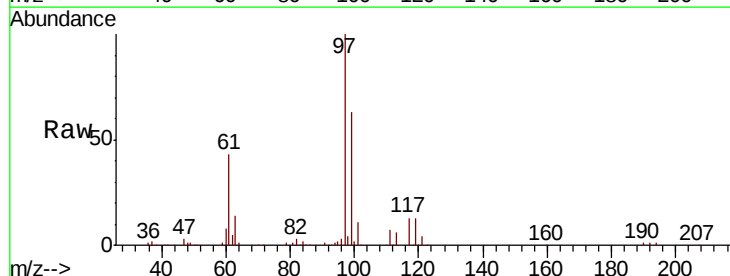
Tgt Ion: 97 Resp: 193360

Ion Ratio Lower Upper

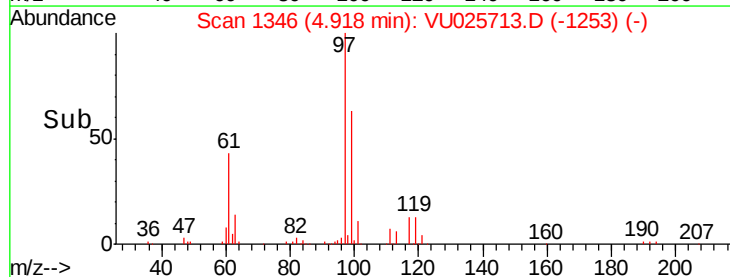
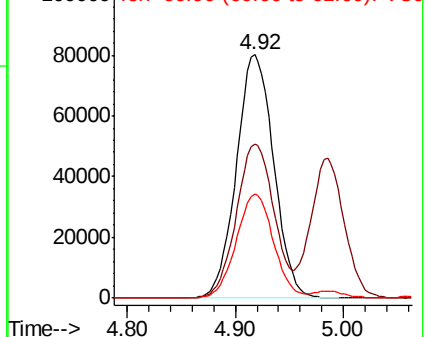
97 100

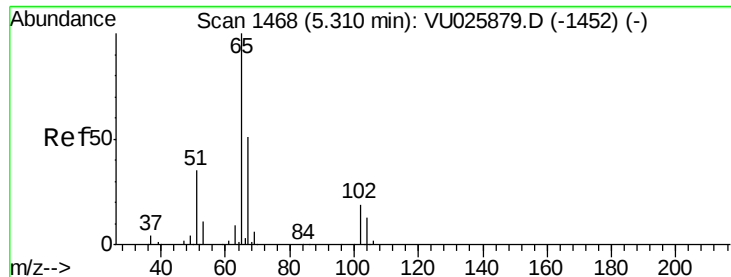
99 64.1 50.8 76.2

61 42.6 35.2 52.8



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: 47.22 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

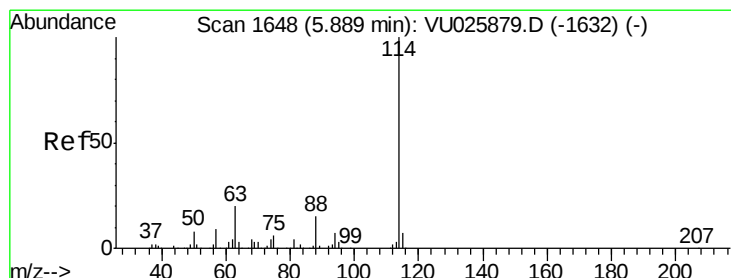
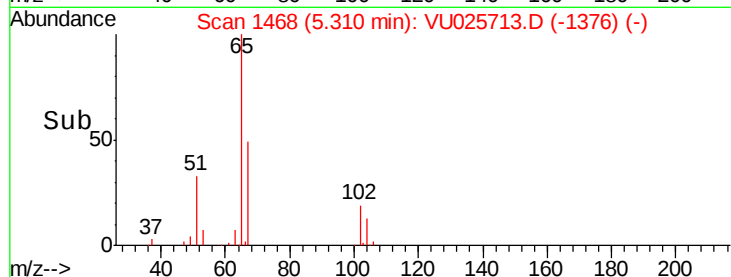
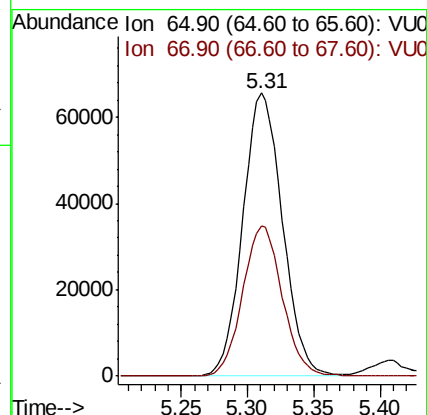
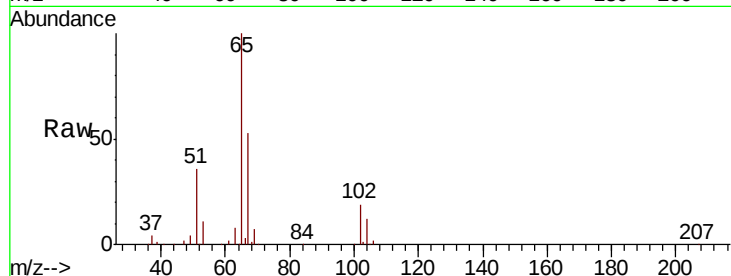
VSTDCCC050

Tot Ion: 65 Resp: 136367

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

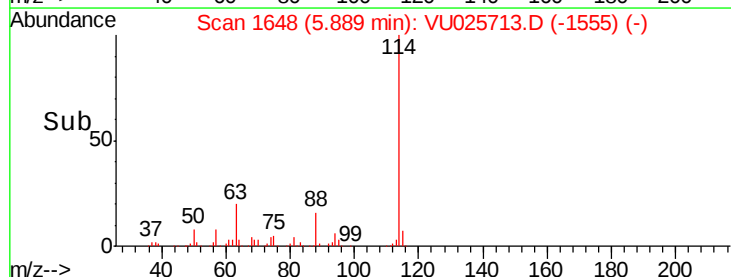
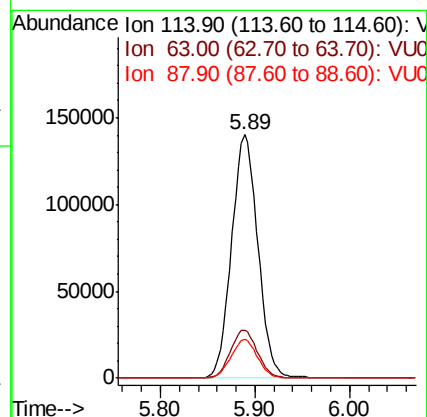
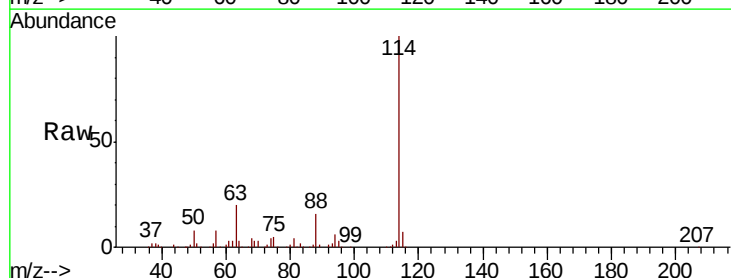
Tgt Ion: 114 Resp: 271324

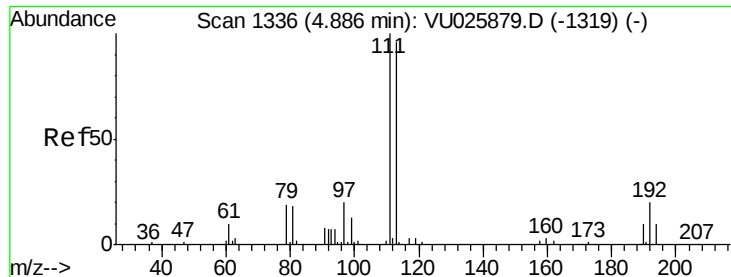
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.65 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

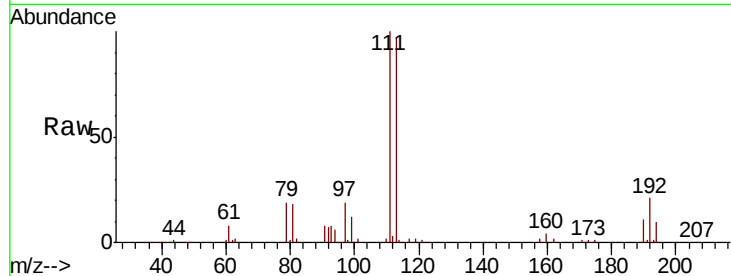
Tot Ion:113 Resp: 114803

Ion Ratio Lower Upper

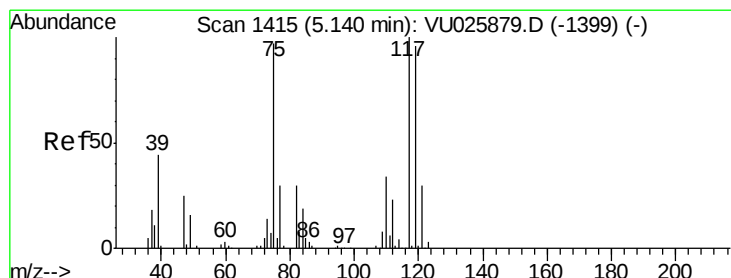
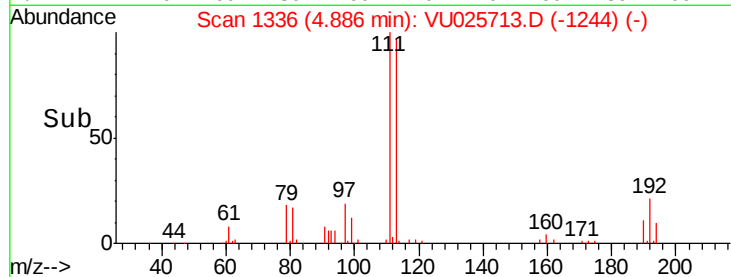
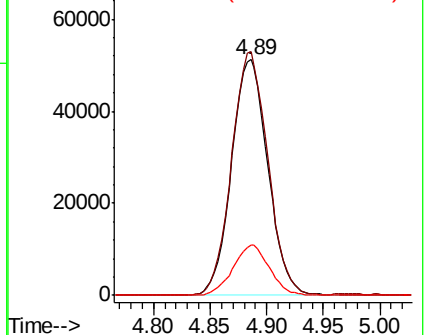
113 100

111 102.7 81.7 122.5

192 21.2 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 50.57 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

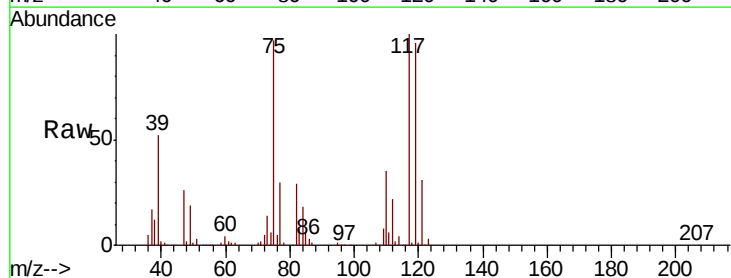
Tgt Ion: 75 Resp: 160362

Ion Ratio Lower Upper

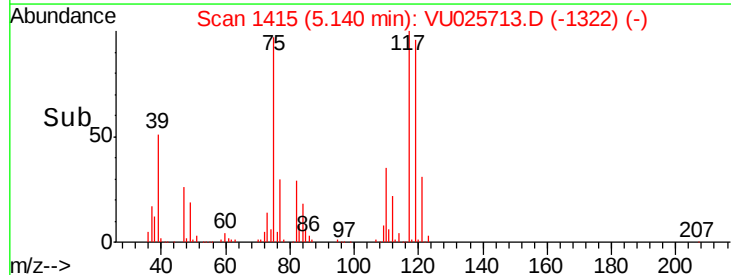
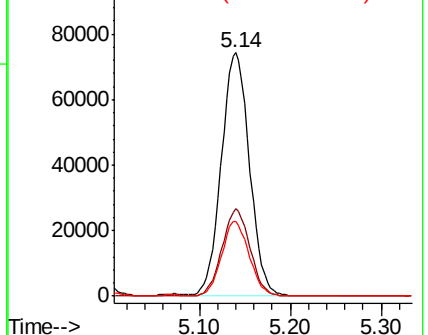
75 100

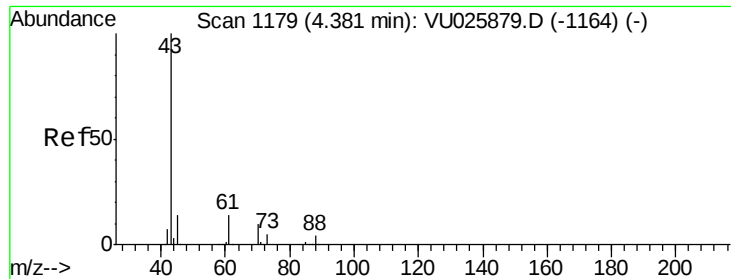
110 35.5 17.6 52.9

77 30.1 24.4 36.6



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

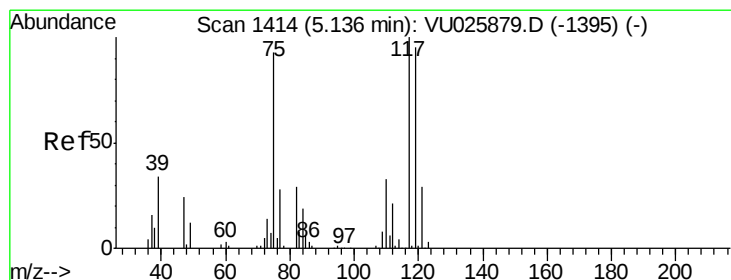
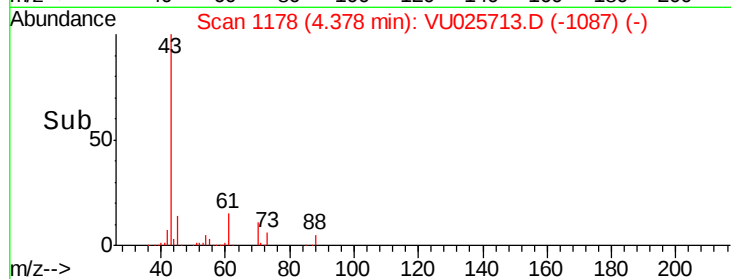
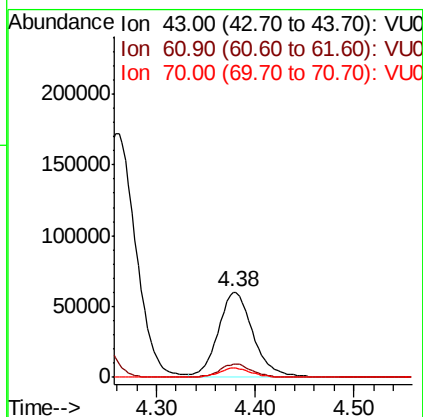
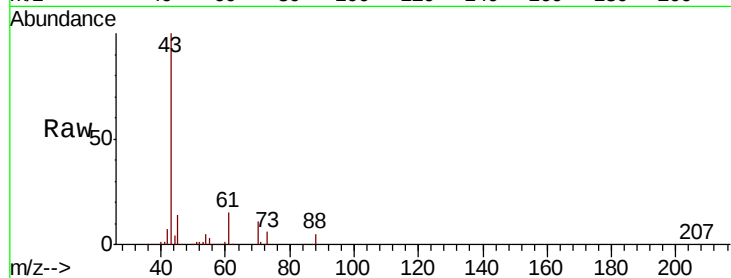




#37
Ethyl Acetate
Concen: 44.81 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

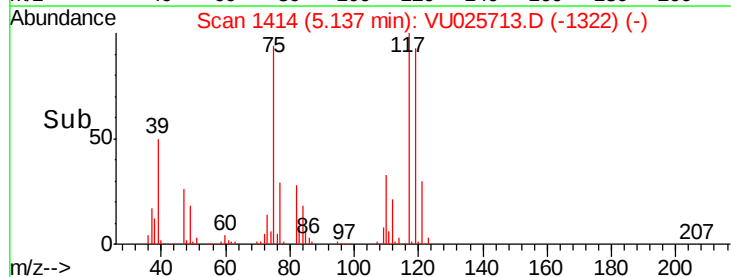
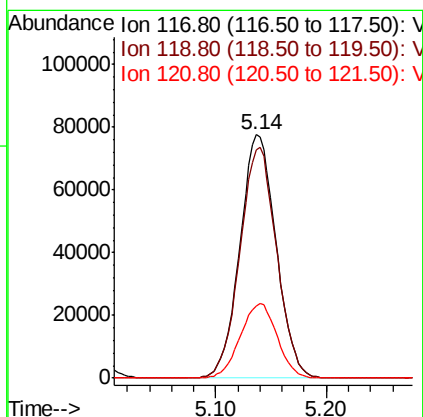
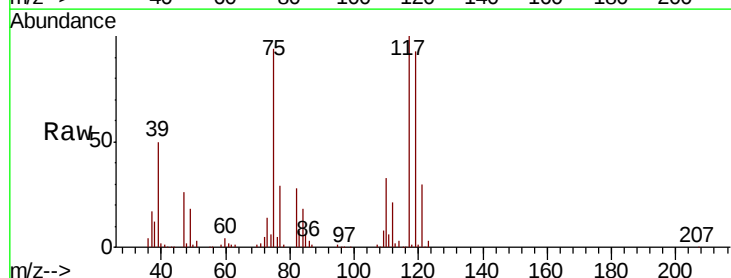
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

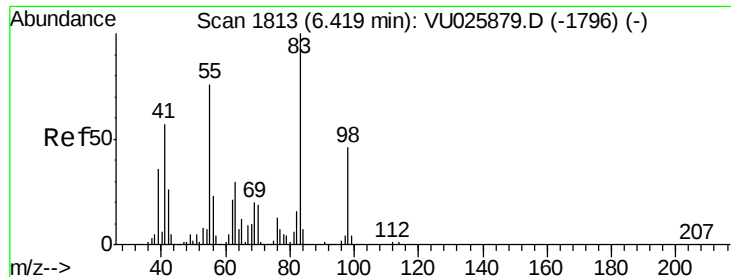
Tot Ion: 43 Resp: 147335
Ion Ratio Lower Upper
43 100
61 14.8 10.7 16.1
70 10.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.14 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 117 Resp: 176485
Ion Ratio Lower Upper
117 100
119 93.5 75.7 113.5
121 29.8 24.6 36.8

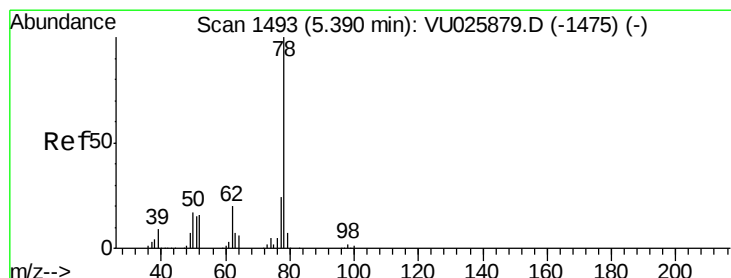
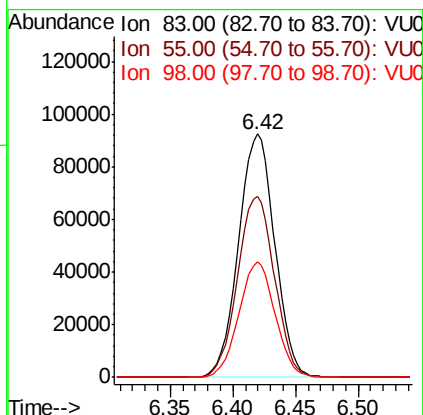
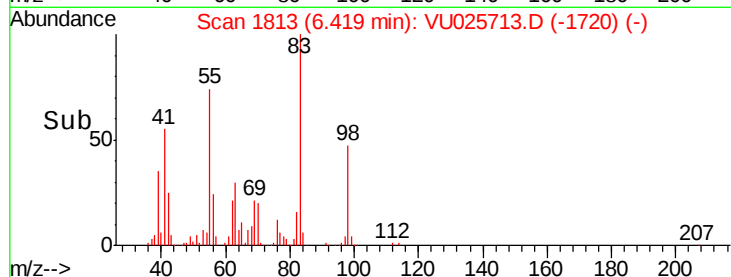
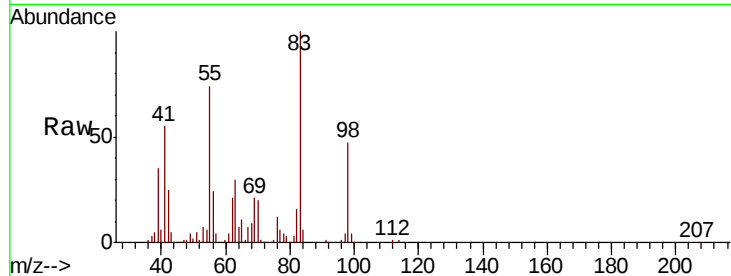




#39
Methvlcvclohexane
Concen: 51.08 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

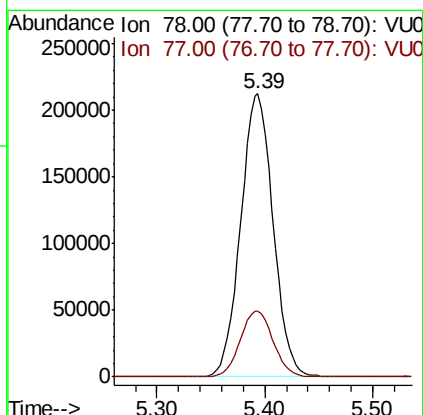
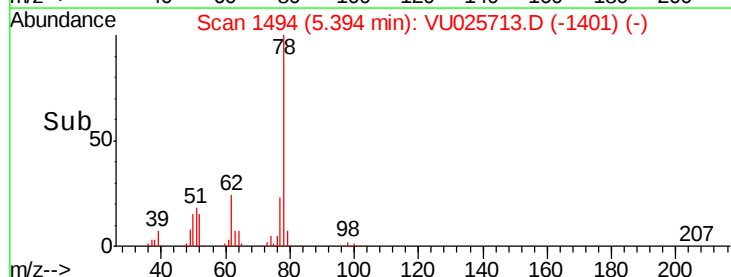
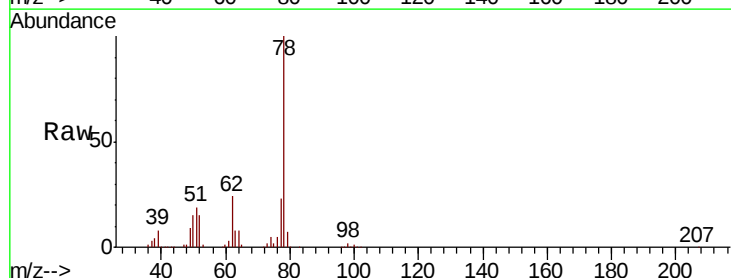
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

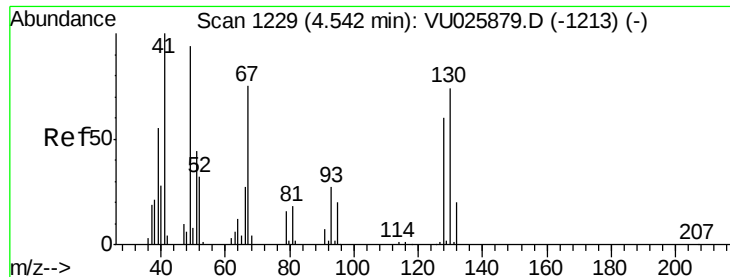
Tot Ion: 83 Resp: 185579
Ion Ratio Lower Upper
83 100
55 74.5 60.0 90.0
98 47.3 36.1 54.1



#40
Benzene
Concen: 47.88 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 78 Resp: 443826
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6

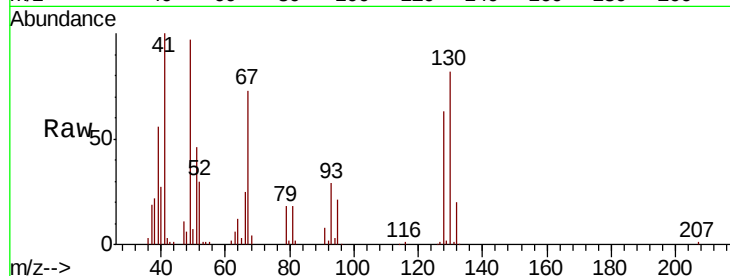




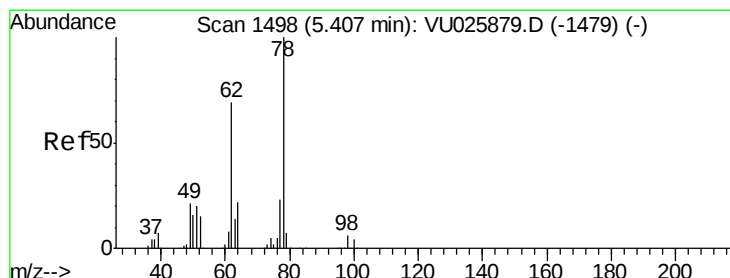
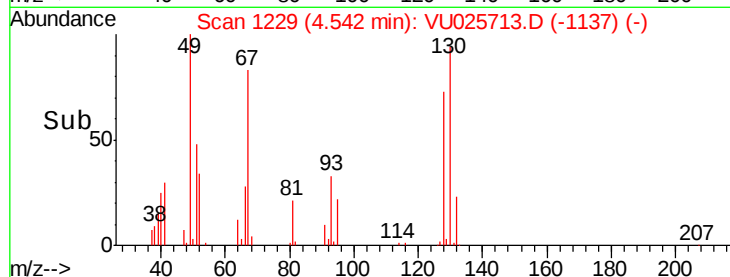
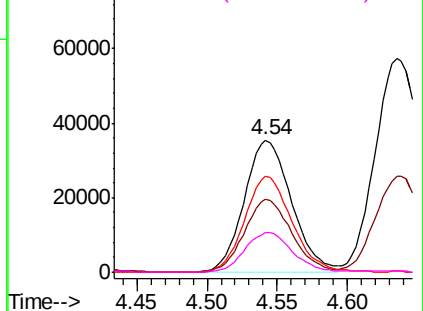
#41
Methacrylonitrile
Concen: 45.64 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	83342
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.4	66.6
67	72.5	56.0	84.0
52	29.5	24.6	36.8

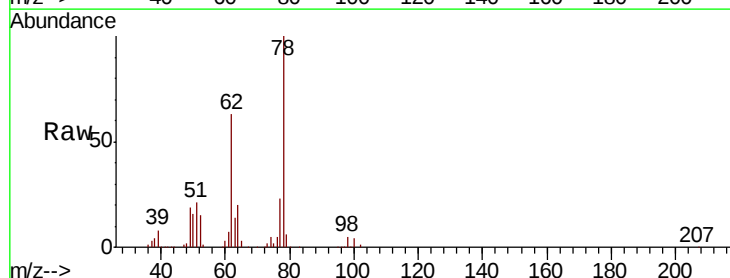


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

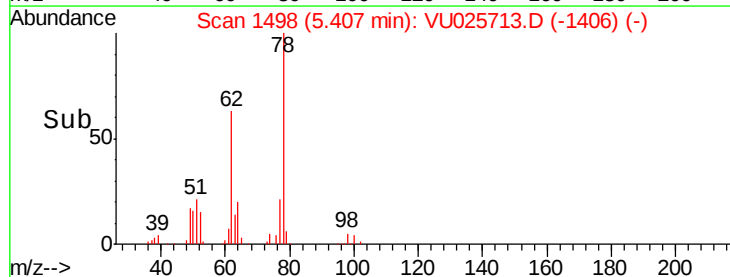
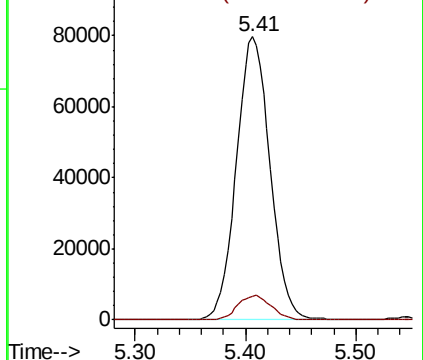


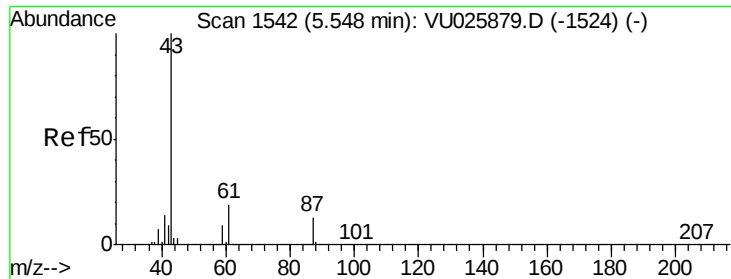
#42
1,2-Dichloroethane
Concen: 47.14 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion:	62	Resp:	168257
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.4



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





#43

Isopropyl Acetate

Concen: 45.59 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

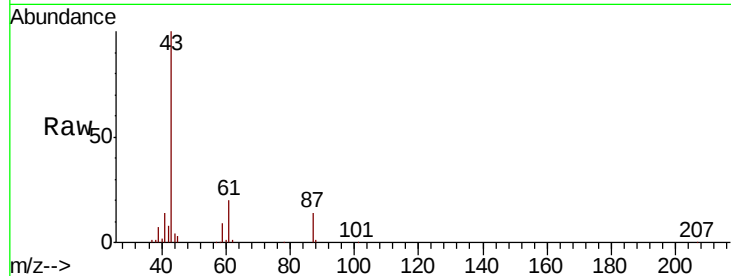
Tot Ion: 43 Resp: 247685

Ion Ratio Lower Upper

43 100

61 19.8 15.5 23.3

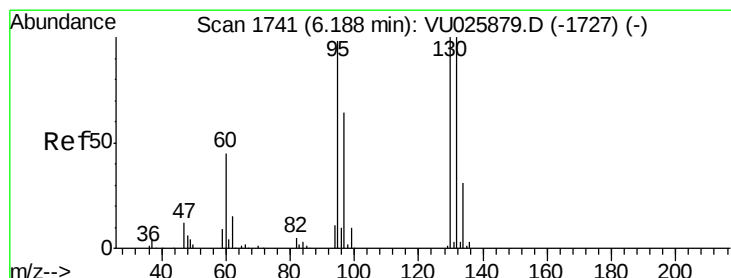
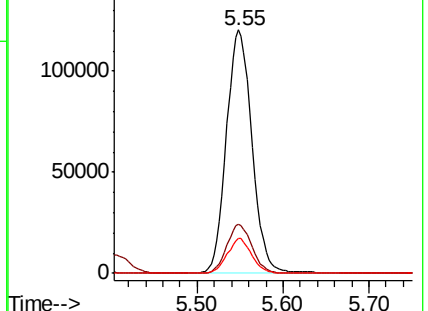
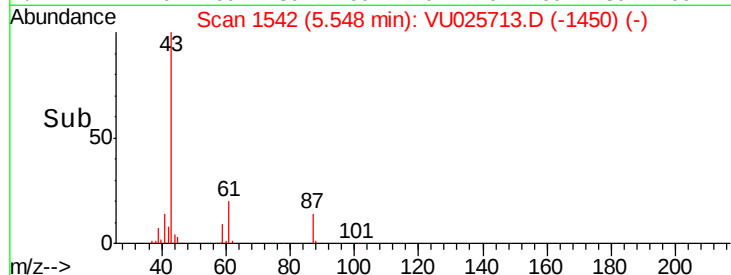
87 13.6 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025713.D (-1450) (-)

Ion 61.00 (60.70 to 61.70): VU025713.D (-1450) (-)

Ion 87.00 (86.70 to 87.70): VU025713.D (-1450) (-)



#44

Trichloroethene

Concen: 48.45 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025713.D

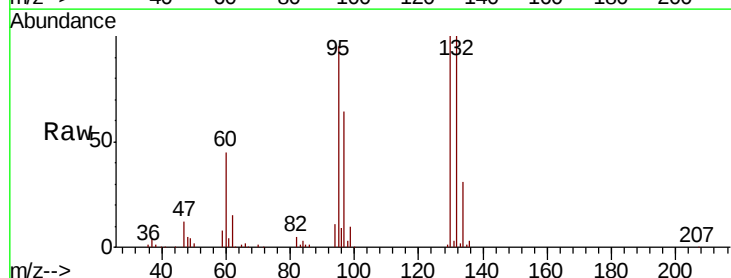
Acq: 30 Jul 2018 10:20

Tgt Ion: 130 Resp: 125058

Ion Ratio Lower Upper

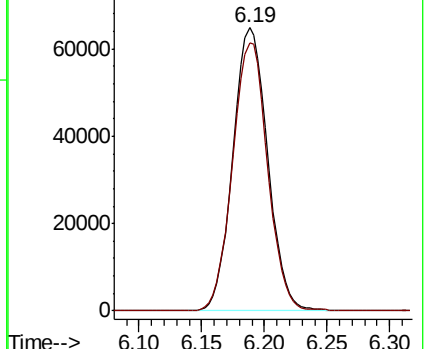
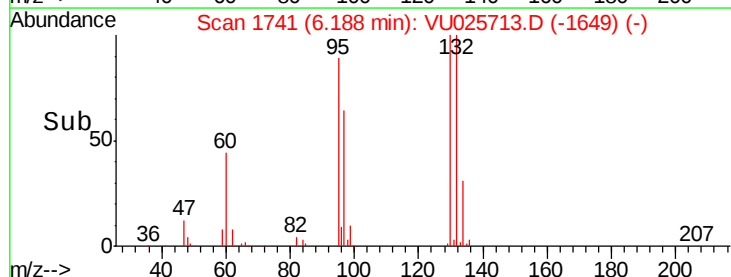
130 100

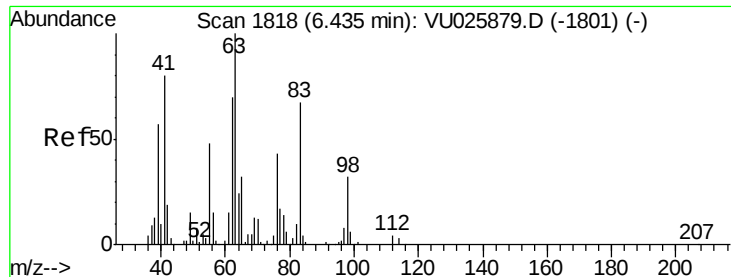
95 94.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025713.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU025713.D (-1649) (-)





#45

1,2-Dichloropropane

Concen: 48.32 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

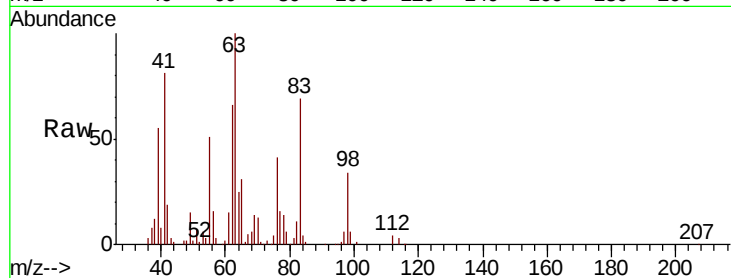
VSTDCCC050

Tot Ion: 63 Resp: 116795

Ion Ratio Lower Upper

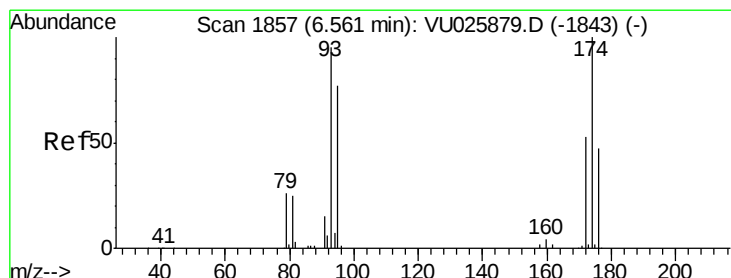
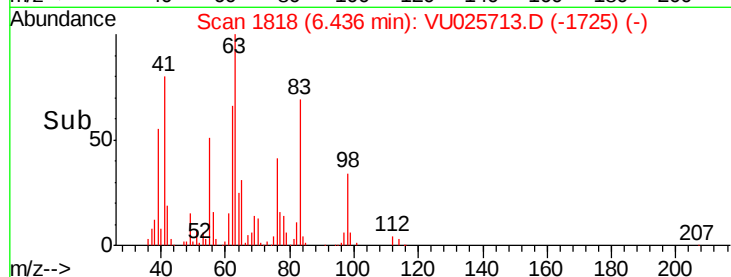
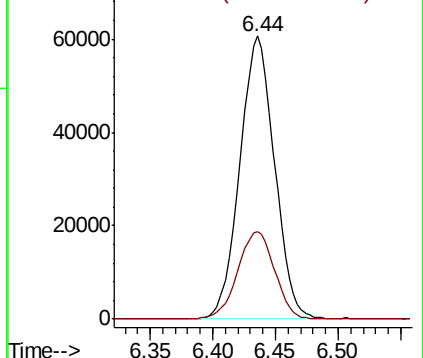
63 100

65 30.9 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 45.90 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

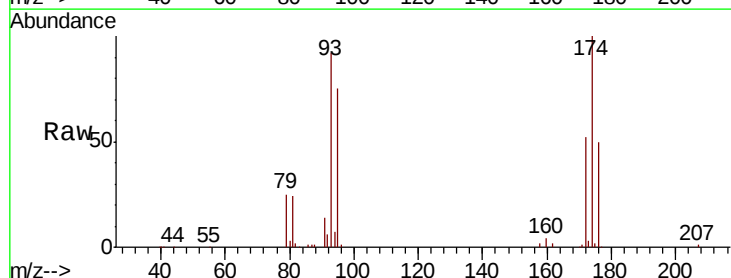
Tgt Ion: 93 Resp: 80402

Ion Ratio Lower Upper

93 100

95 84.8 66.6 100.0

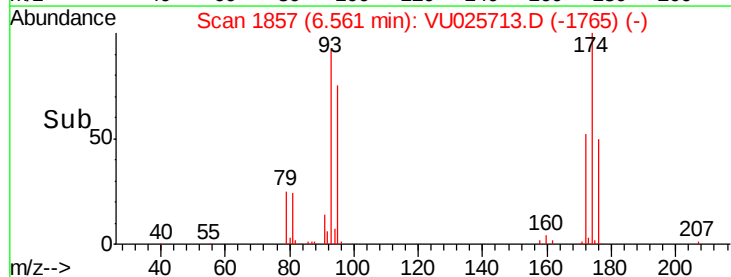
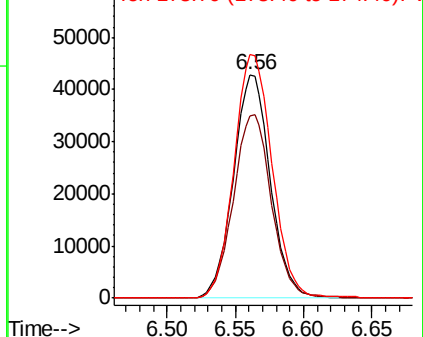
174 113.1 85.8 128.8

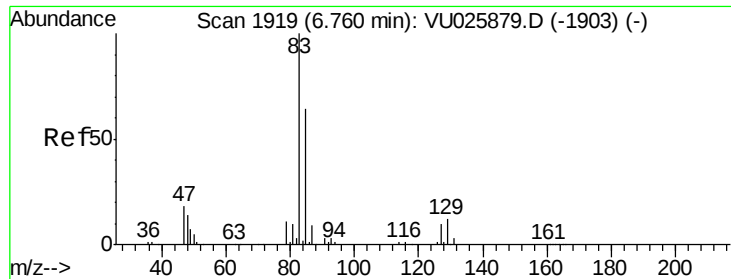


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.51 ug/l

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

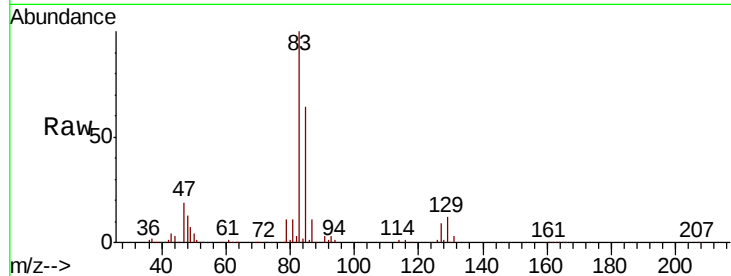
Tot Ion: 83 Resp: 165427

Ion Ratio Lower Upper

83 100

85 64.3 50.2 75.4

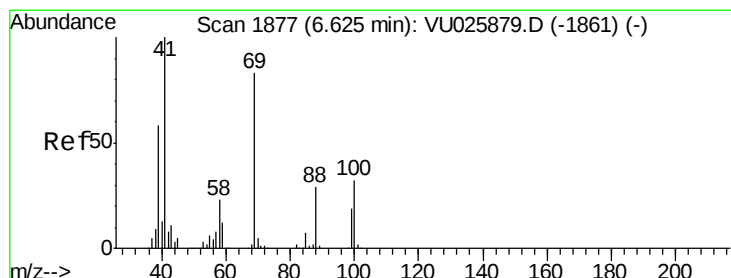
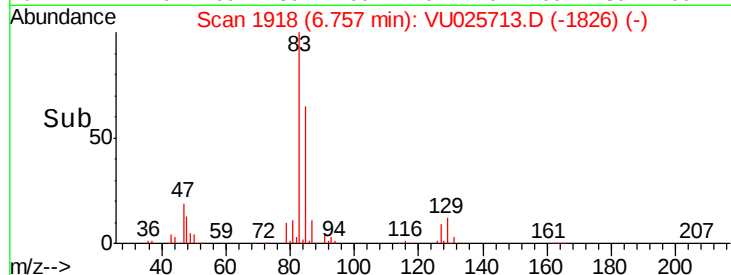
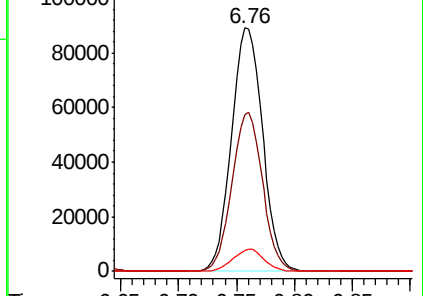
127 8.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU025713.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025713.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025713.D (-1826) (-)



#48

Methyl methacrylate

Concen: 47.64 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

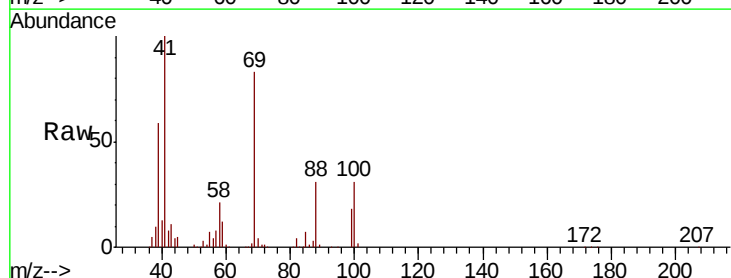
Tgt Ion: 41 Resp: 126848

Ion Ratio Lower Upper

41 100

69 84.8 65.0 97.4

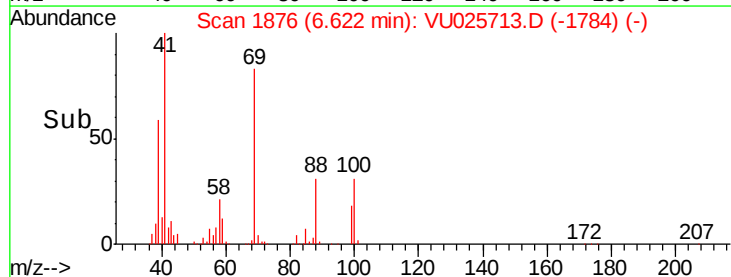
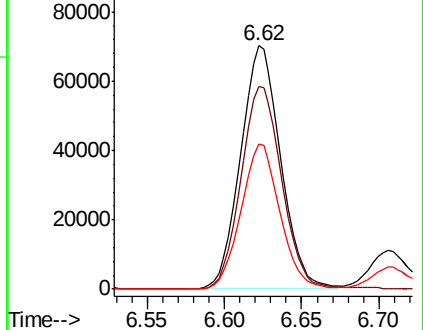
39 57.6 46.4 69.6

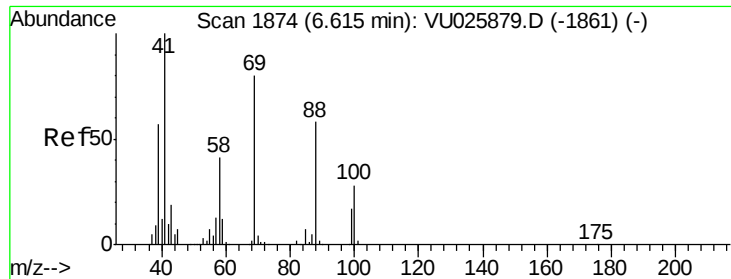


Abundance Ion 41.00 (40.70 to 41.70): VU025713.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU025713.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU025713.D (-1784) (-)





#49

1,4-Dioxane

Concen: 842.12 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

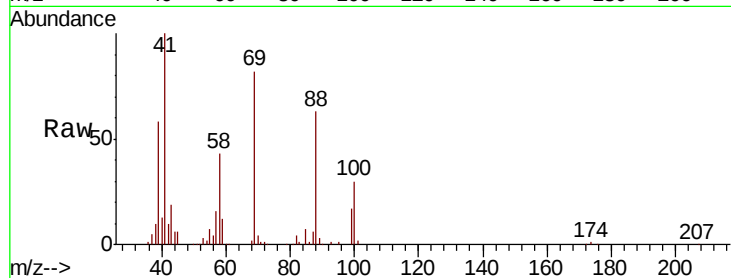
Tot Ion: 88 Resp: 54569

Ion Ratio Lower Upper

88 100

43 34.0 27.3 40.9

58 69.1 57.6 86.4

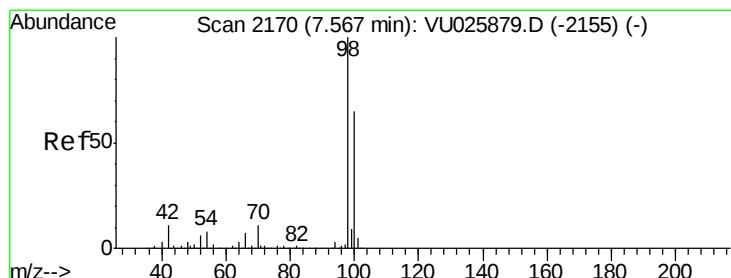
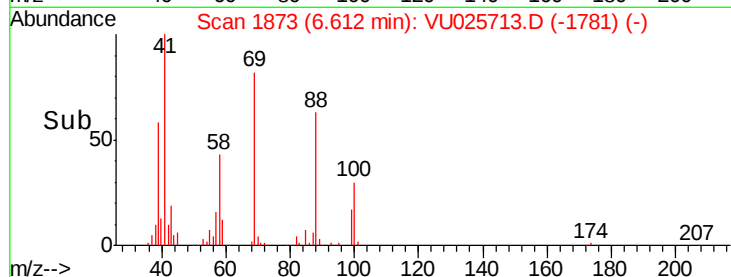
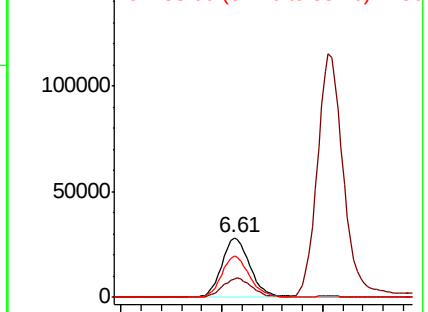


Abundance

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: 50.11 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025713.D

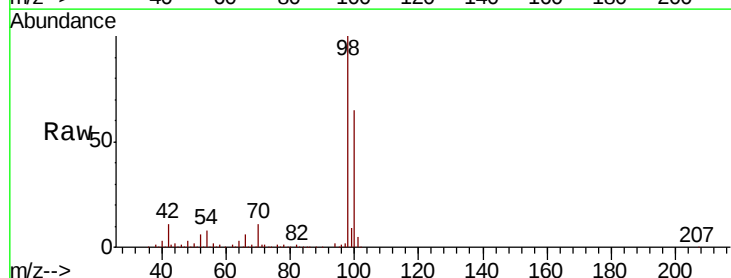
Acq: 30 Jul 2018 10:20

Tgt Ion: 98 Resp: 413827

Ion Ratio Lower Upper

98 100

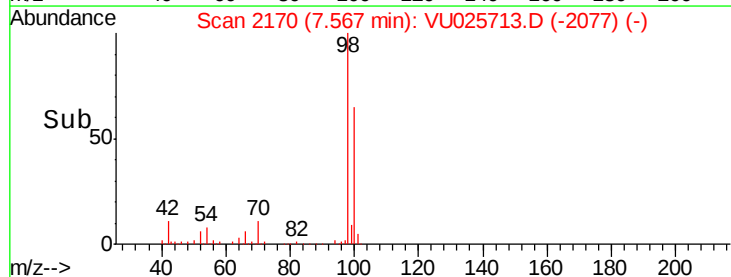
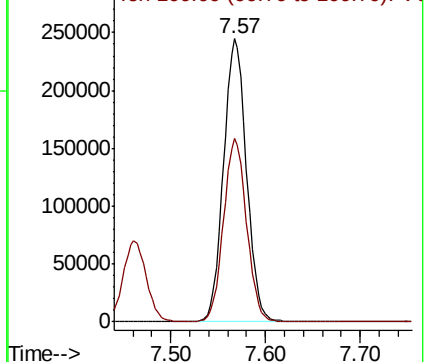
100 64.6 51.1 76.7

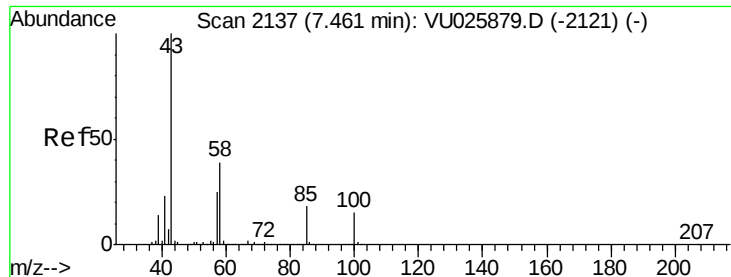


Abundance

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 224.40 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

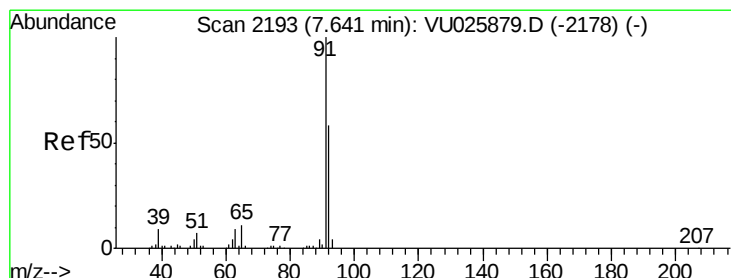
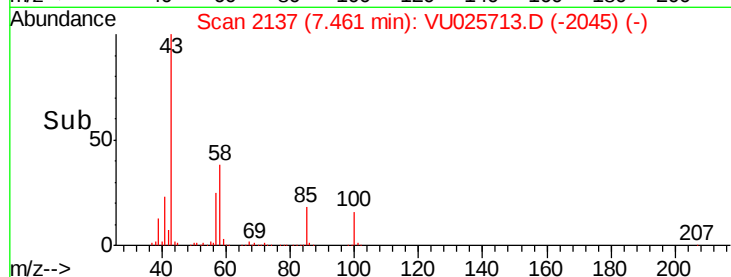
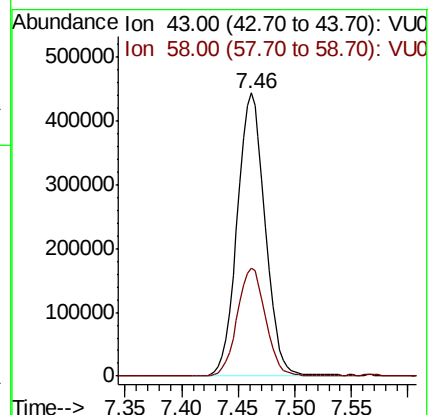
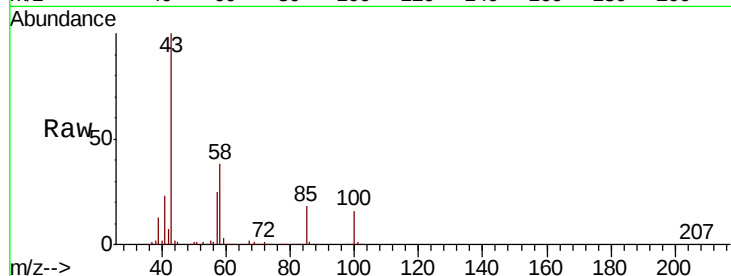
VSTDCCC050

Tot Ion: 43 Resp: 763301

Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4



#52

Toluene

Concen: 49.57 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025713.D

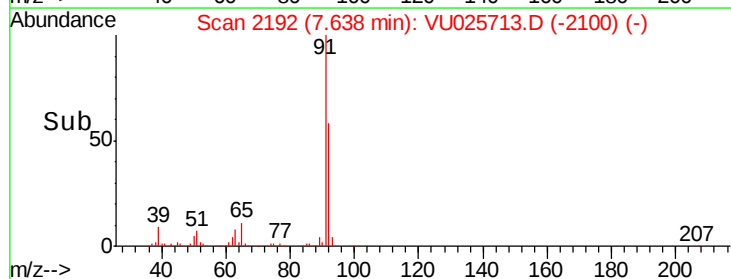
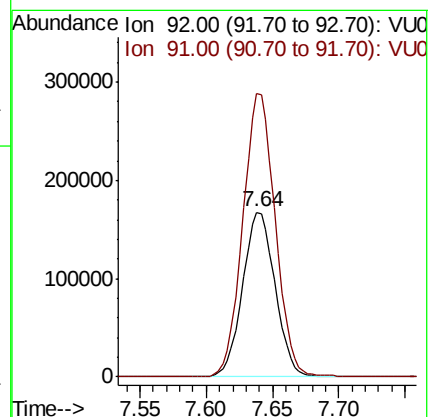
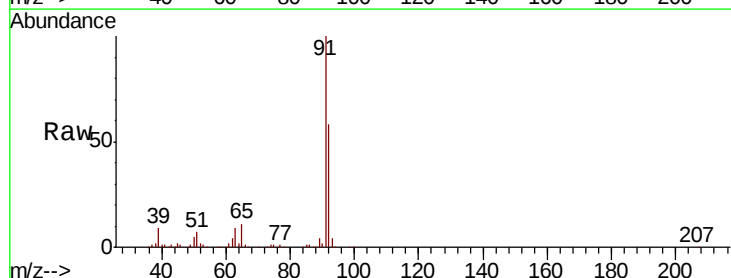
Acq: 30 Jul 2018 10:20

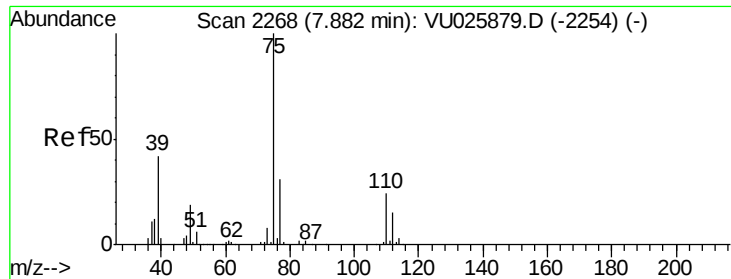
Tgt Ion: 92 Resp: 285445

Ion Ratio Lower Upper

92 100

91 172.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 50.80 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

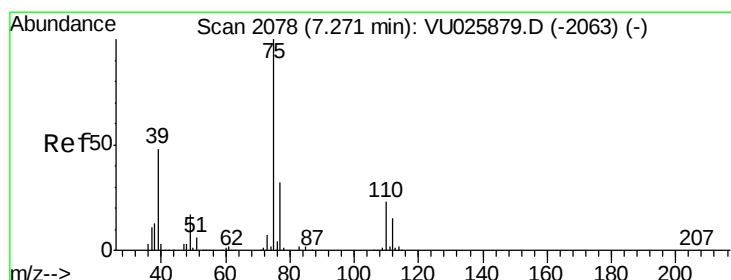
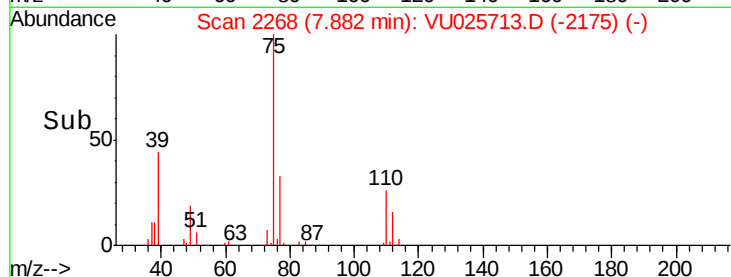
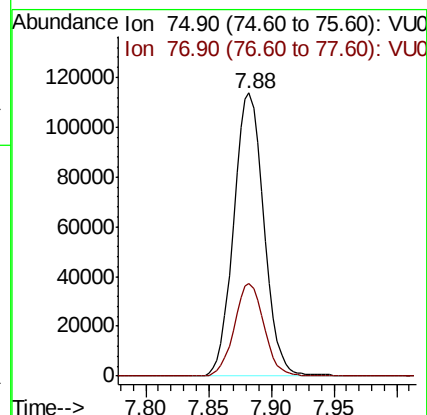
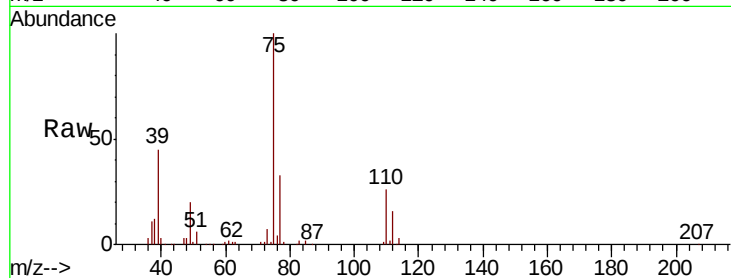
VSTDCCC050

Tot Ion: 75 Resp: 190560

Ion Ratio Lower Upper

75 100

77 32.7 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 50.72 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

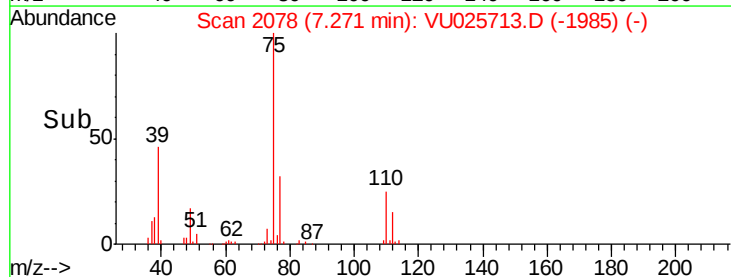
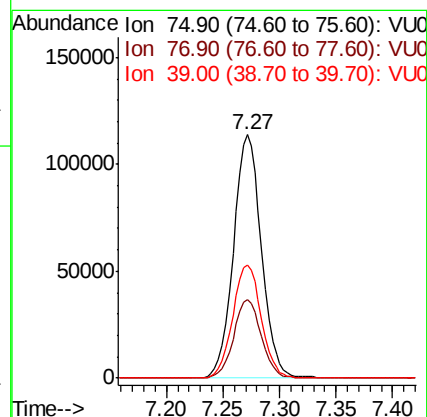
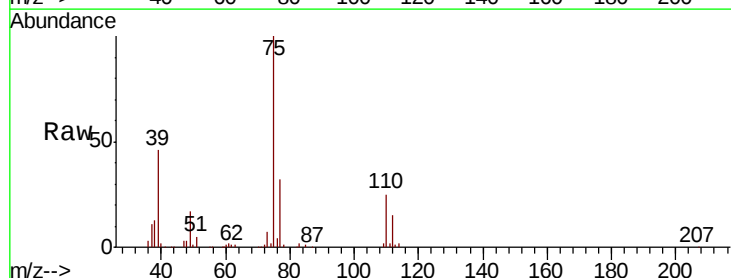
Tgt Ion: 75 Resp: 195440

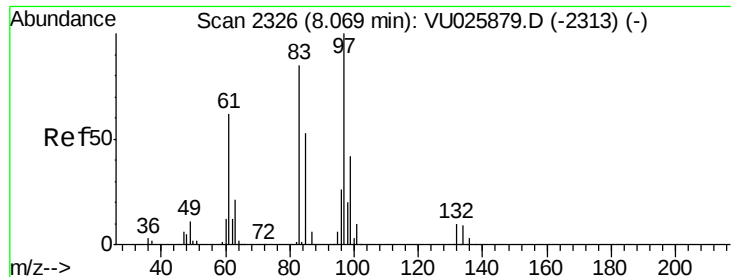
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 46.5 40.0 60.0

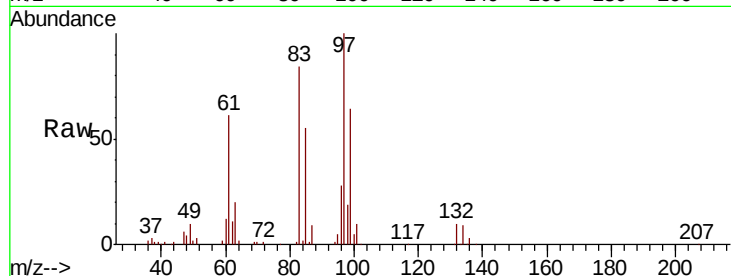




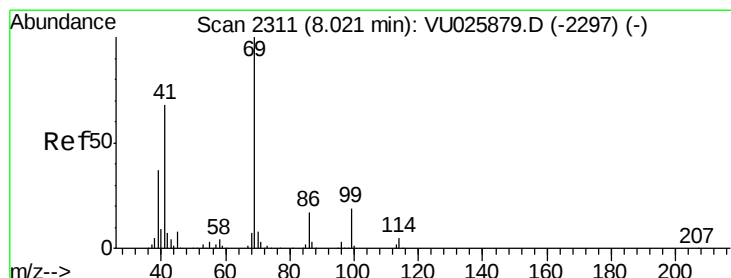
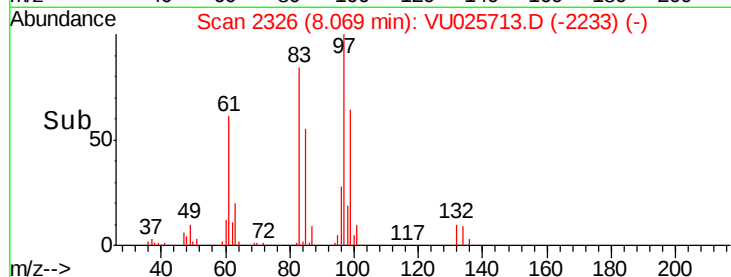
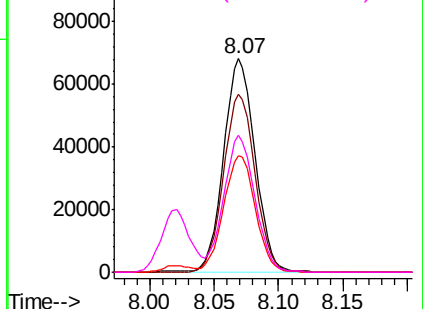
#55
 1,1,2-Trichloroethane
 Concen: 48.07 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	115041
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.9	103.3
85	54.7	44.4	66.6
99	64.1	51.0	76.4

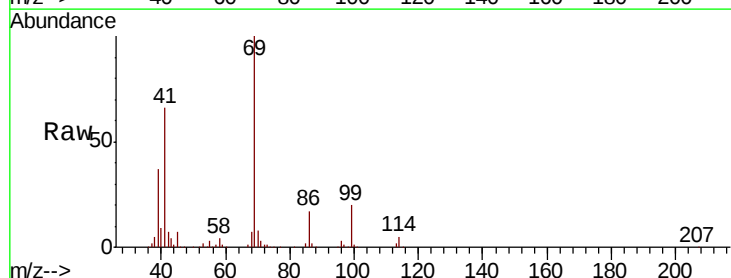


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

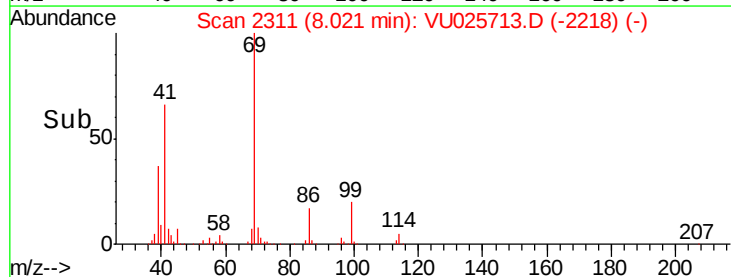
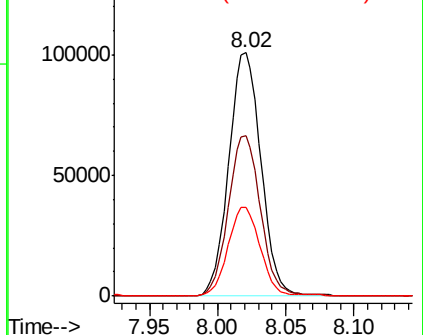


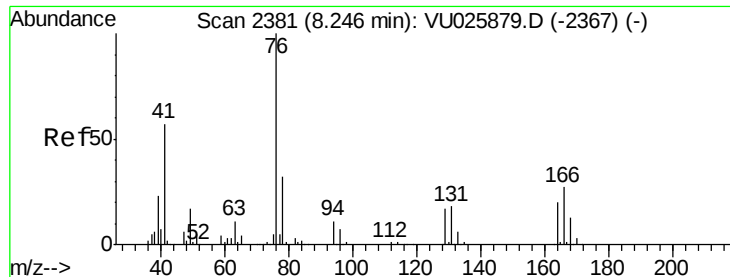
#56
 Ethyl methacrylate
 Concen: 48.44 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Tgt Ion:	69	Resp:	165613
Ion	Ratio	Lower	Upper
69	100		
41	66.2	54.8	82.2
39	35.9	31.1	46.7



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





#57

1,3-Dichloropropane

Concen: 48.40 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

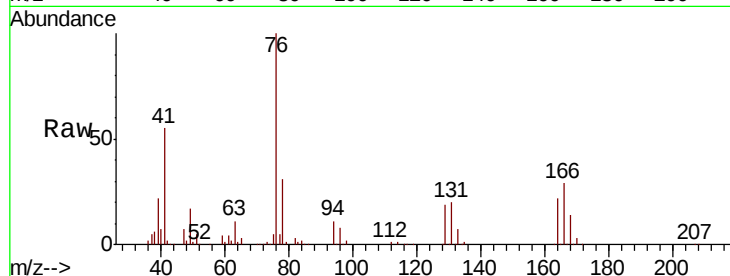
VSTDCCC050

Tot Ion: 76 Resp: 194789

Ion Ratio Lower Upper

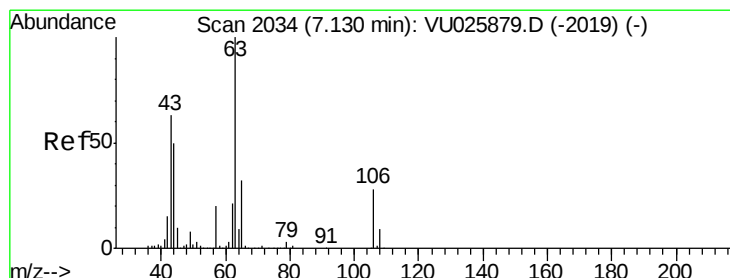
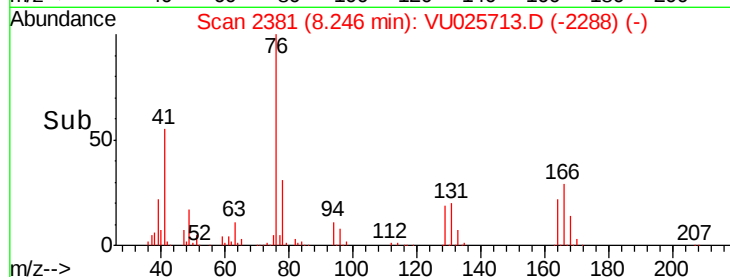
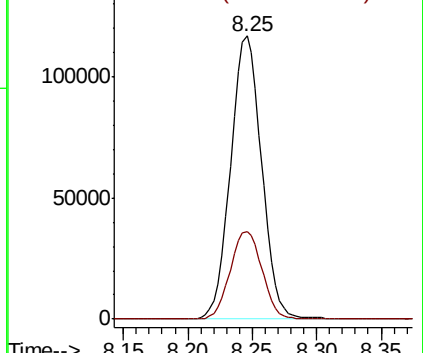
76 100

78 31.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 218.24 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025713.D

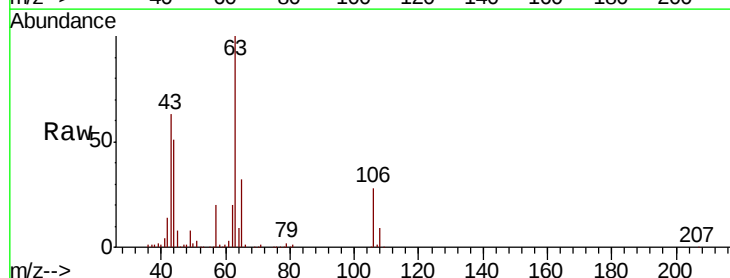
Acq: 30 Jul 2018 10:20

Tgt Ion: 63 Resp: 336464

Ion Ratio Lower Upper

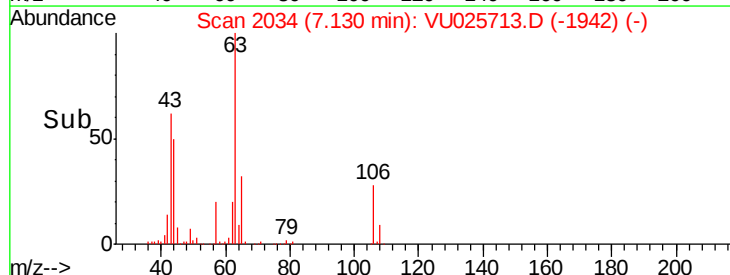
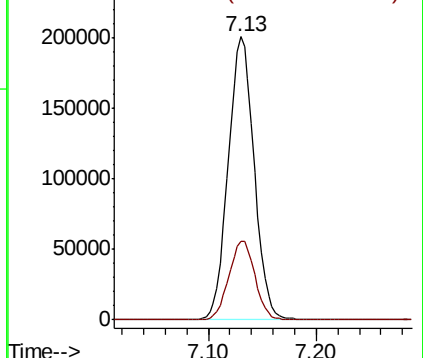
63 100

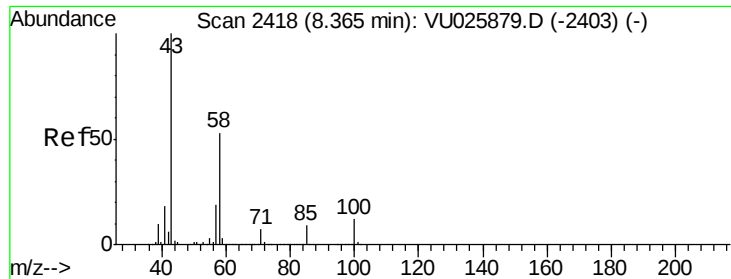
106 28.2 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

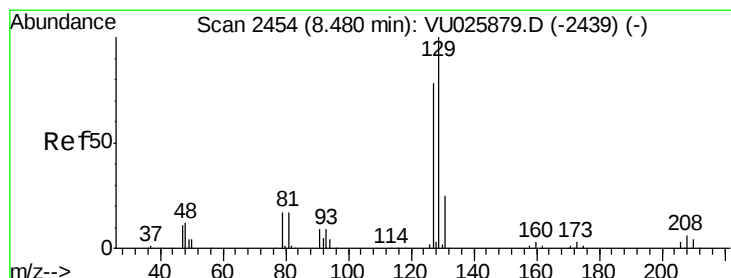
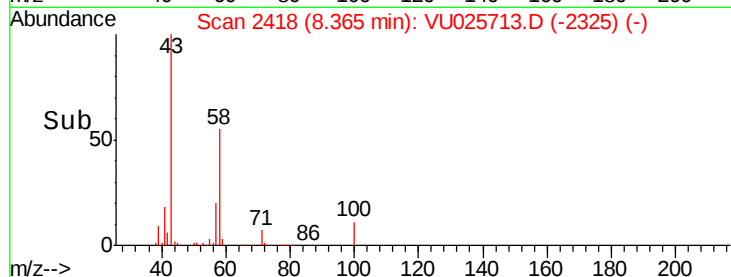
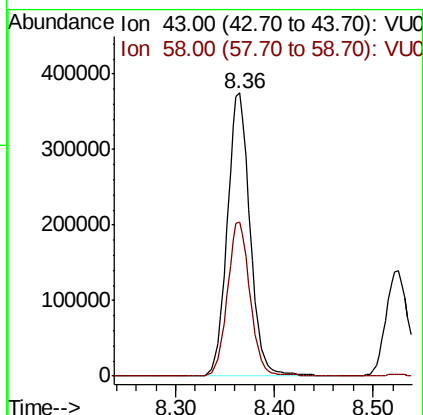
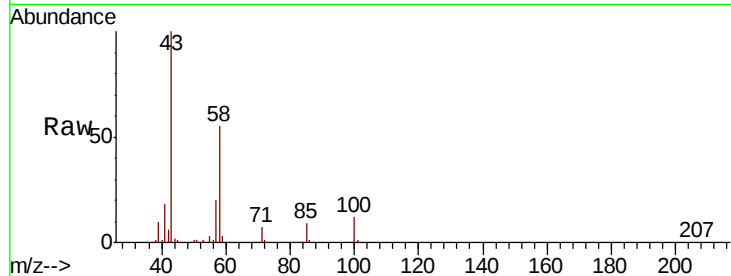




#59
2-Hexanone
Concen: 227.78 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

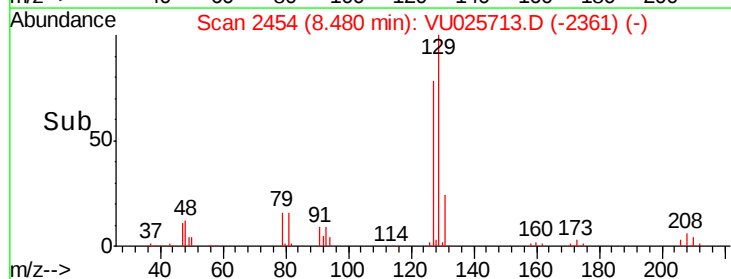
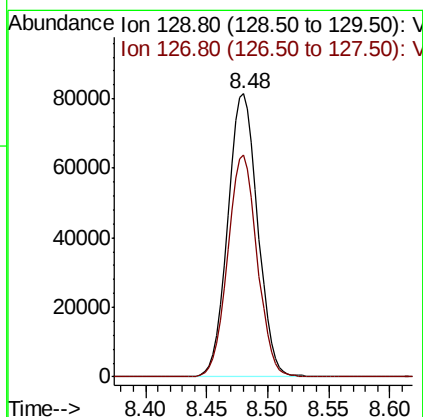
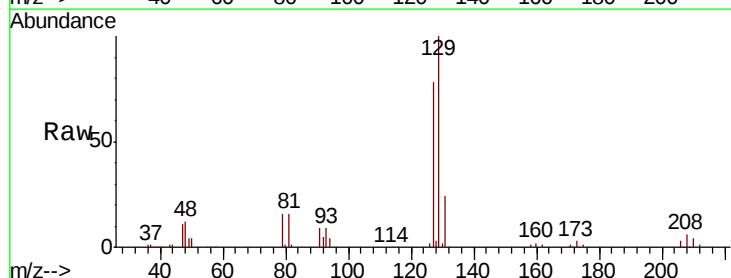
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

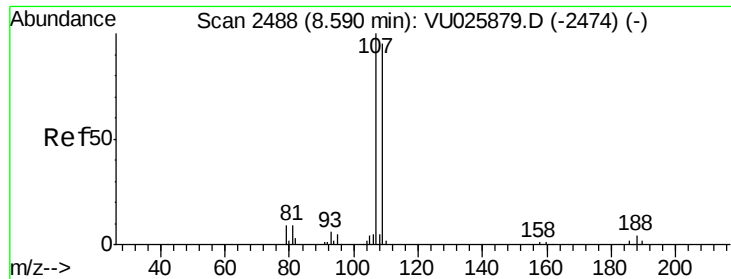
Tot Ion: 43 Resp: 607334
Ion Ratio Lower Upper
43 100
58 54.1 26.2 78.5



#60
Dibromochloromethane
Concen: 49.60 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 129 Resp: 139964
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 47.55 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

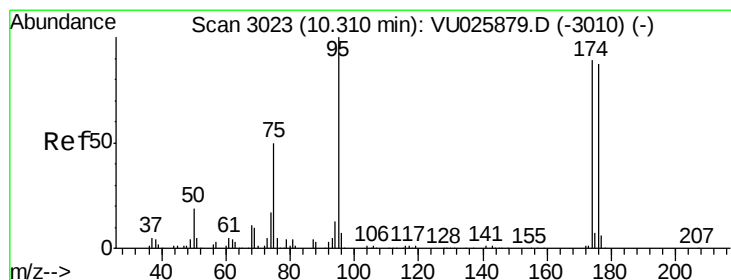
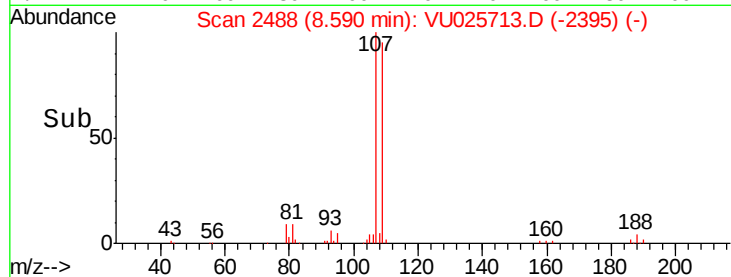
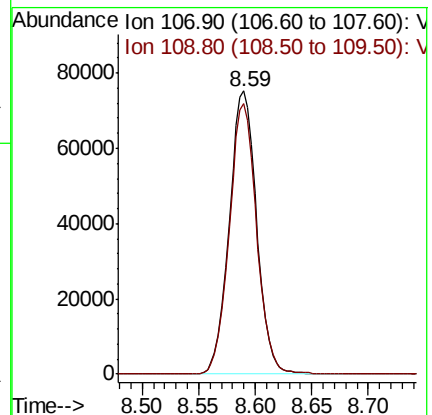
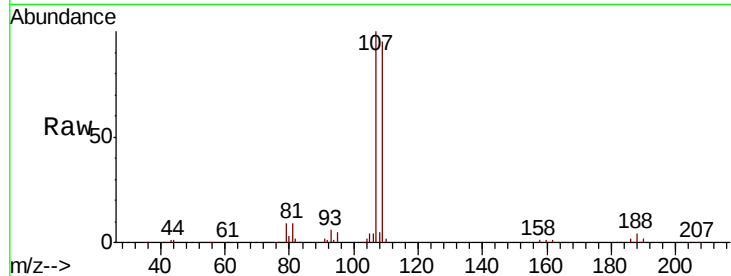
VSTDCCC050

Tot Ion:107 Resp: 126555

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 49.99 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

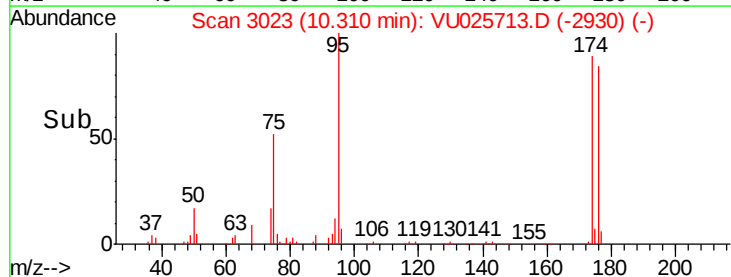
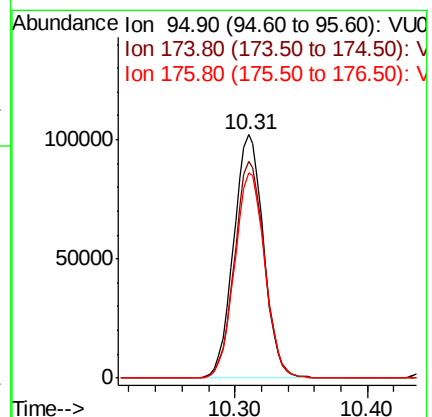
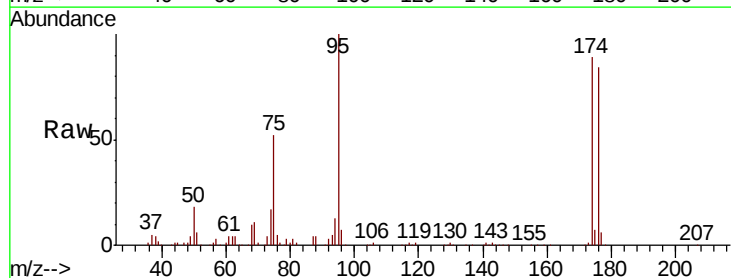
Tgt Ion: 95 Resp: 160238

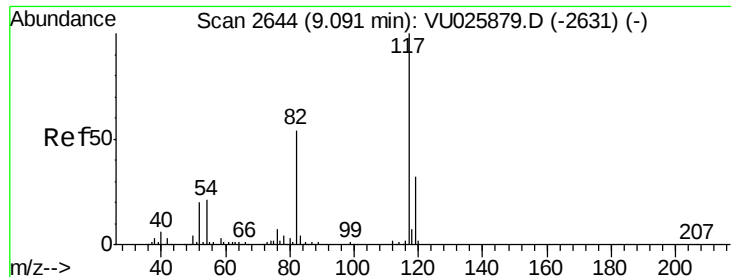
Ion Ratio Lower Upper

95 100

174 89.3 0.0 172.2

176 84.9 0.0 162.6

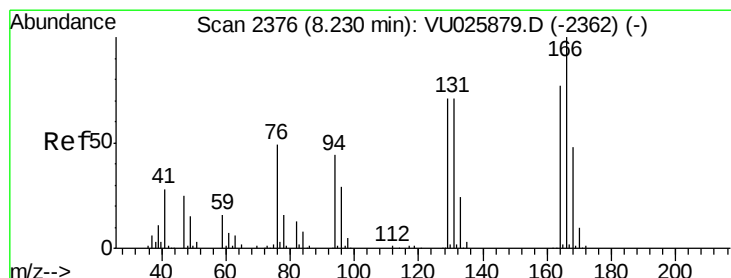
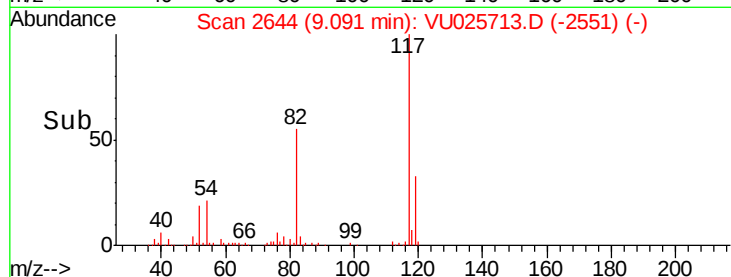
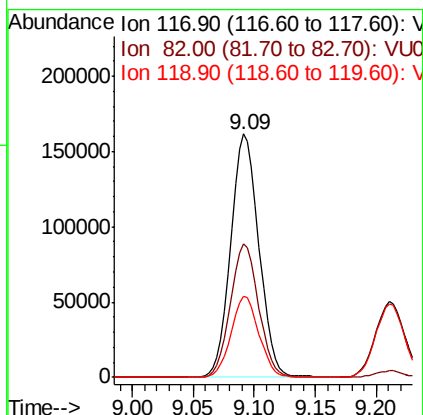
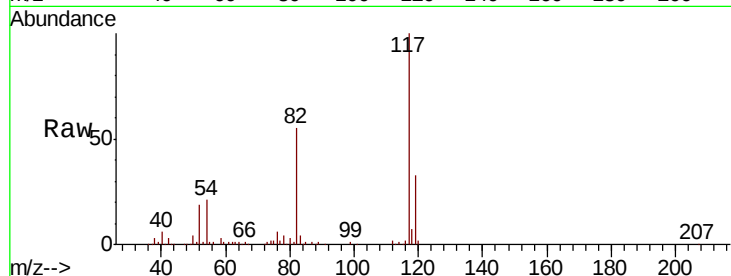




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

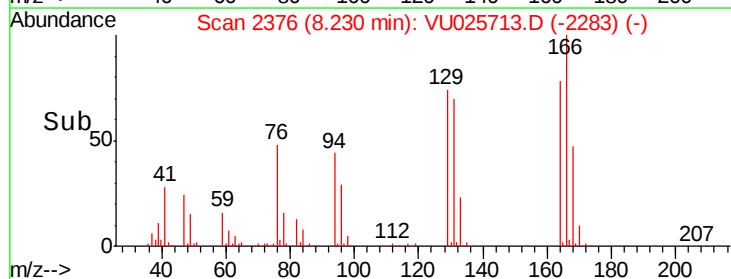
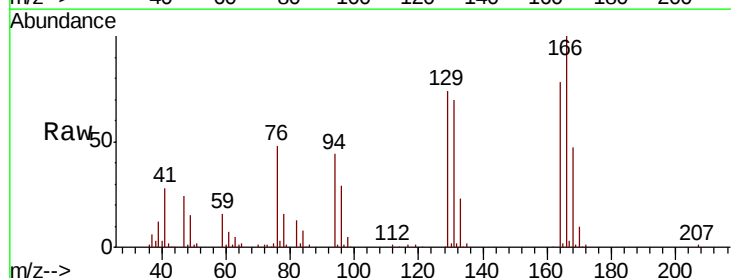
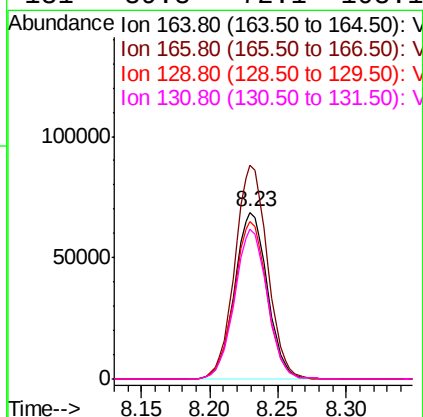
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

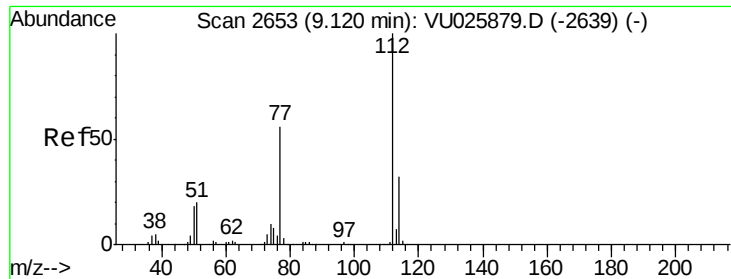
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.0	69.0
119	33.4	26.0	39.0



#64
Tetrachloroethene
Concen: 49.91 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	94.9	73.0	109.6
131	89.8	72.1	108.1

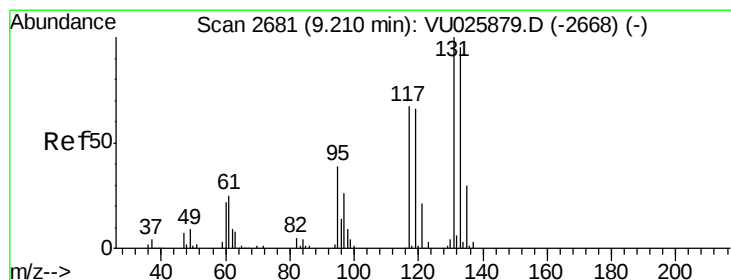
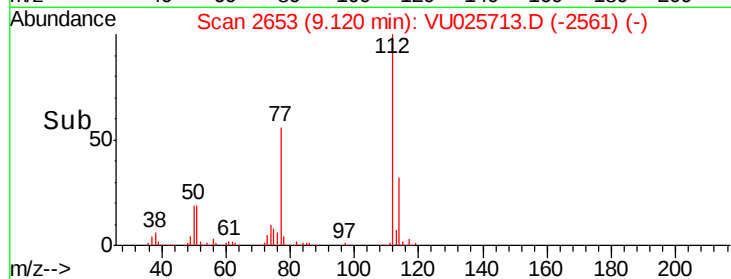
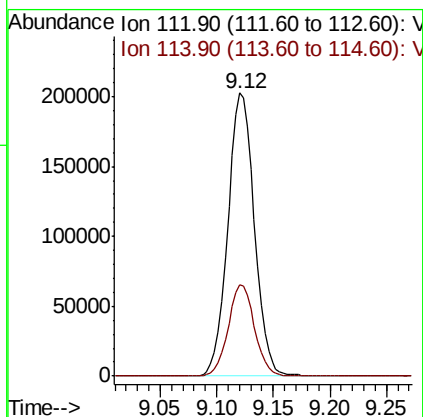
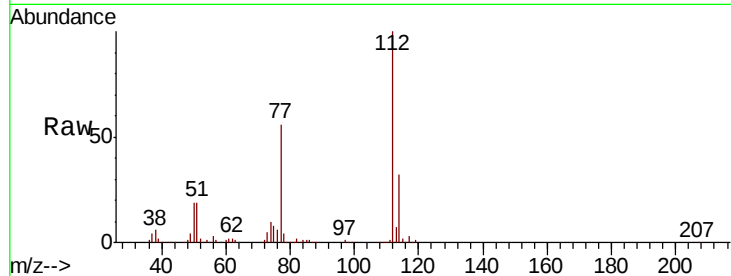




#65
Chlorobenzene
Concen: 49.20 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

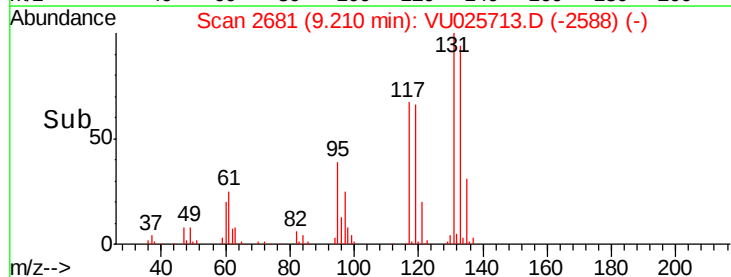
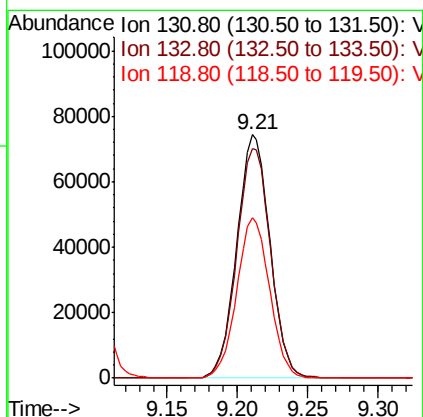
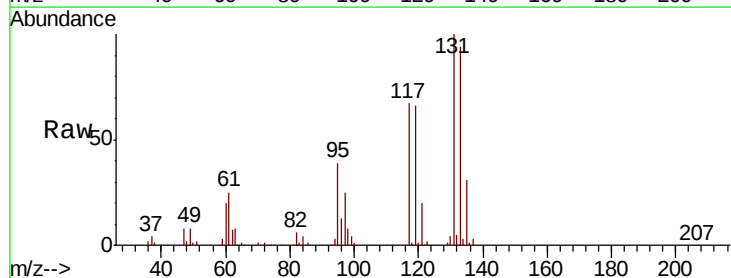
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

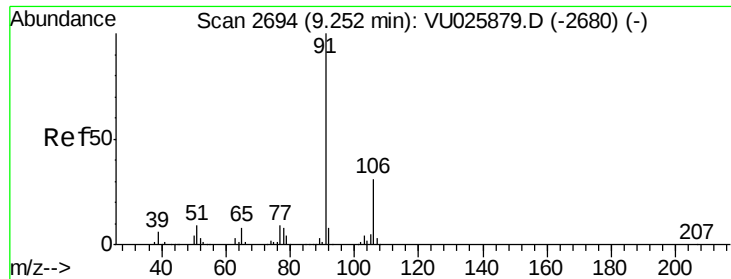
Tot Ion:112 Resp: 330834
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.41 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion:131 Resp: 122611
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 65.5 31.6 95.0

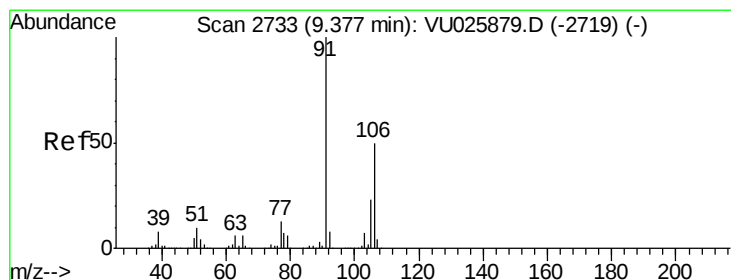
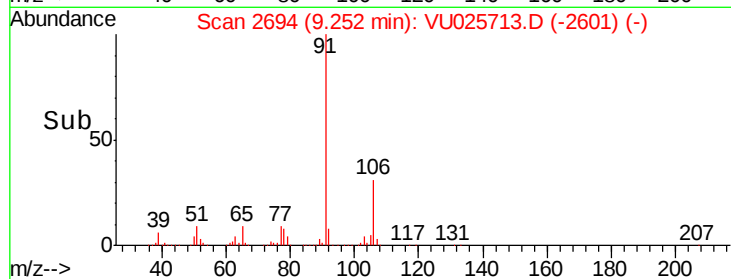
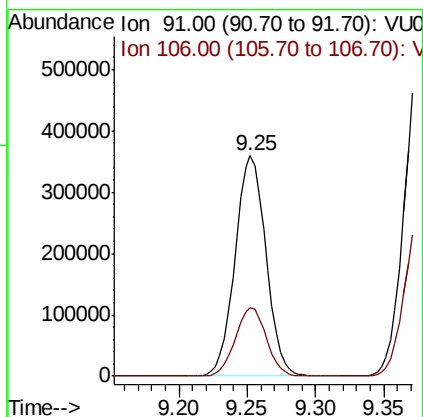
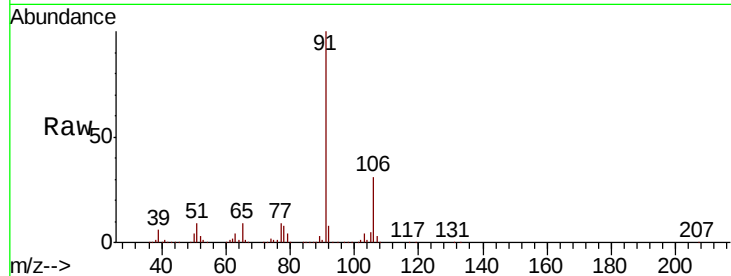




#67
Ethyl Benzene
Concen: 50.66 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

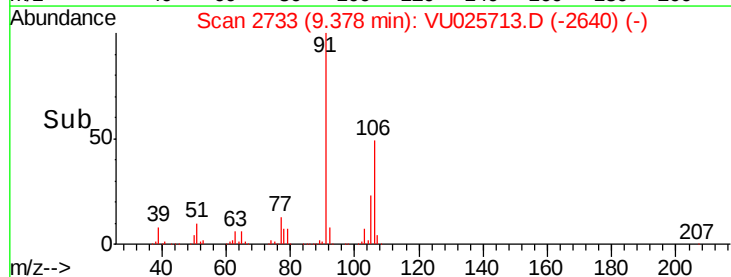
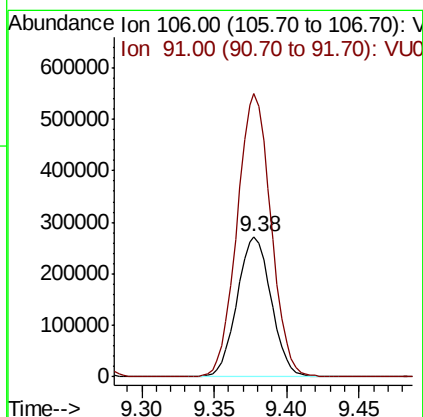
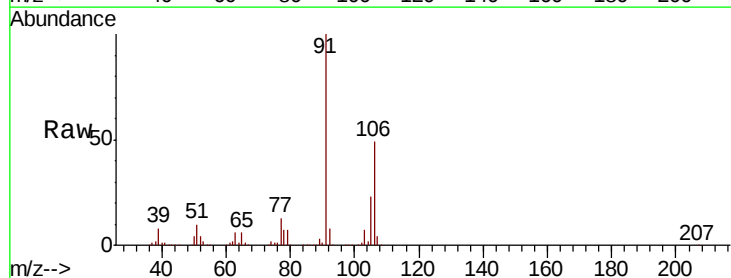
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

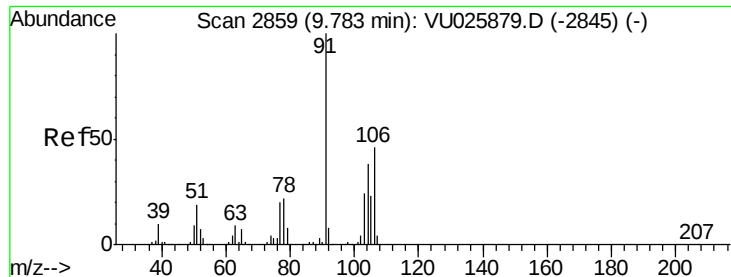
Tot Ion: 91 Resp: 564269
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9



#68
m/p-Xylenes
Concen: 104.06 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 106 Resp: 444966
Ion Ratio Lower Upper
106 100
91 199.9 162.3 243.5

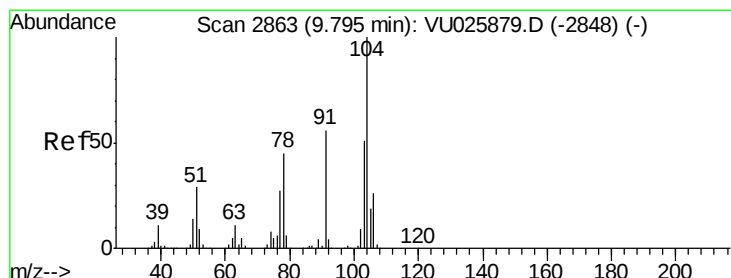
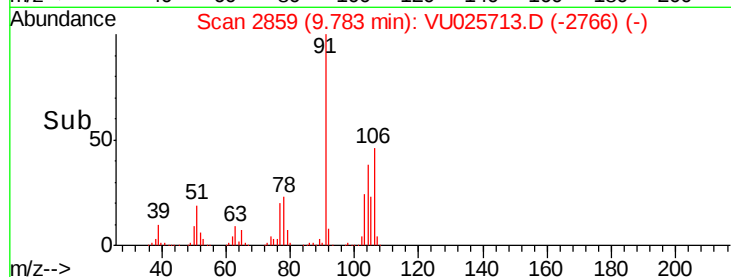
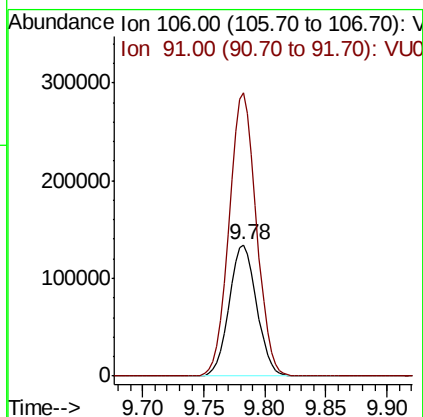
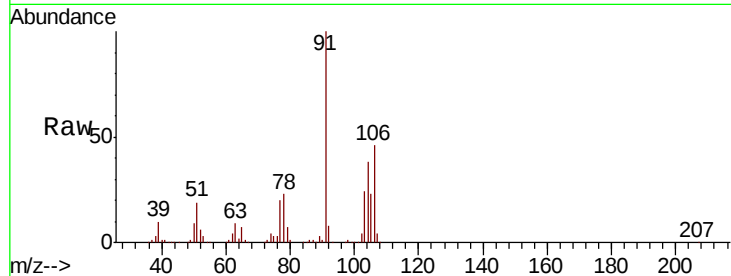




#69
o-Xylene
Concen: 50.74 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

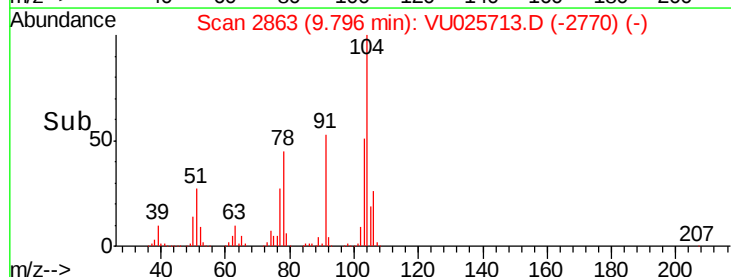
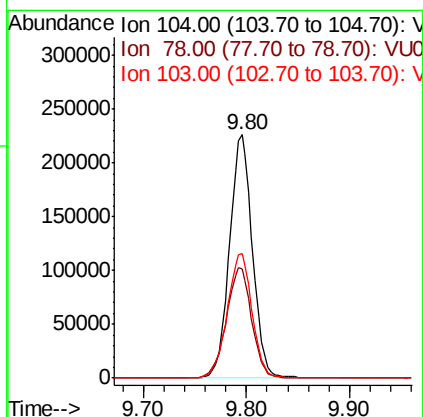
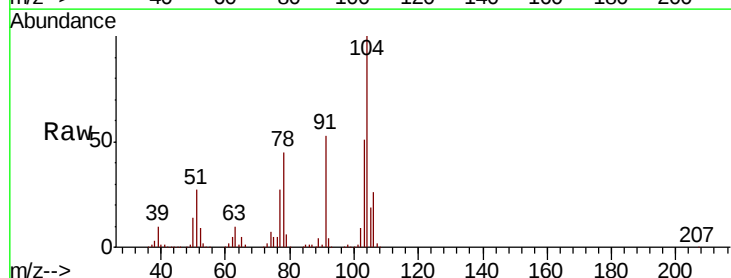
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

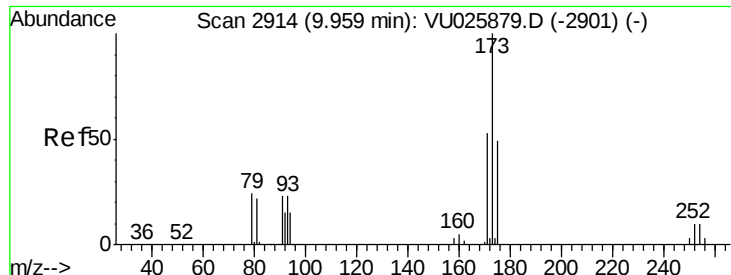
Tot Ion:106 Resp: 212023
Ion Ratio Lower Upper
106 100
91 213.4 105.3 315.8



#70
Styrene
Concen: 51.86 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion:104 Resp: 350040
Ion Ratio Lower Upper
104 100
78 50.3 41.6 62.4
103 55.4 44.6 66.8

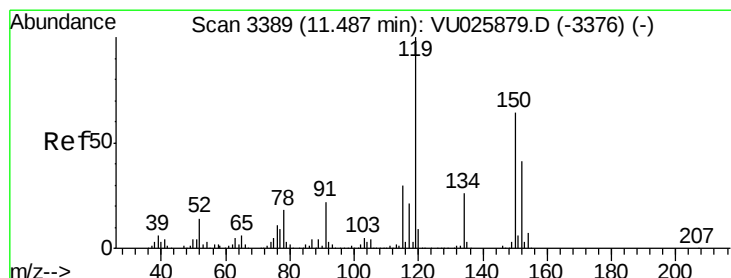
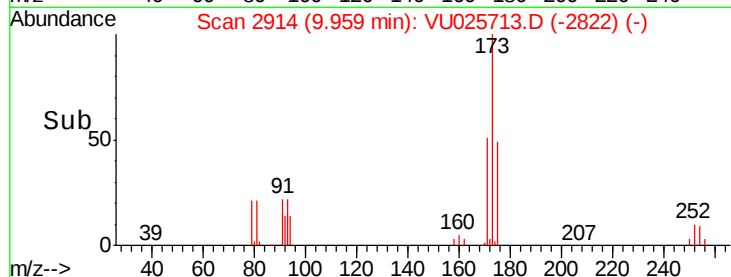
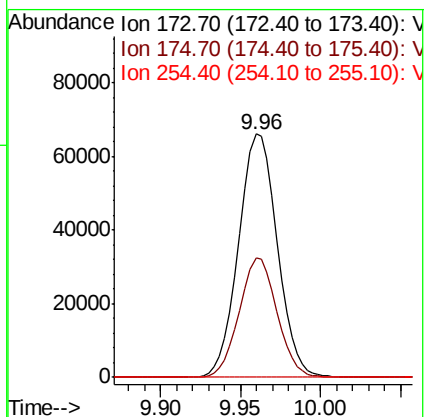
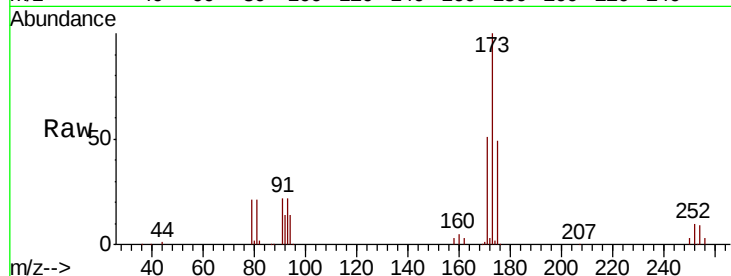




#71
Bromoform
Concen: 51.67 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

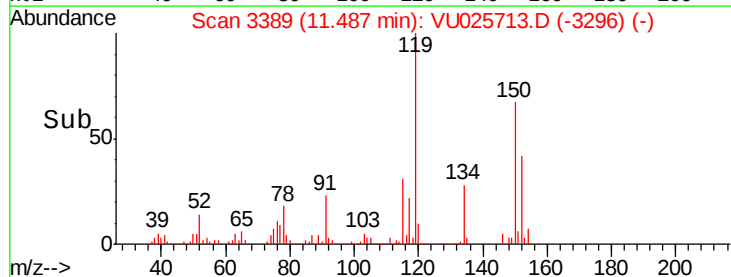
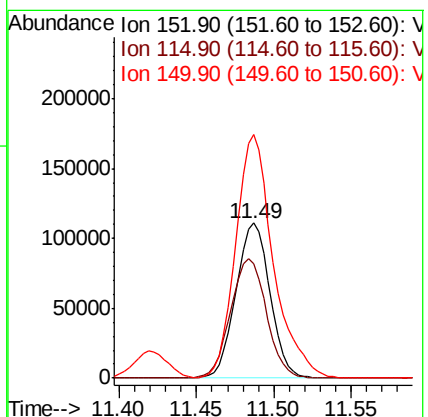
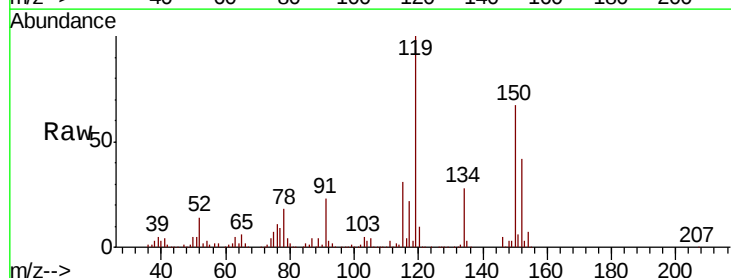
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

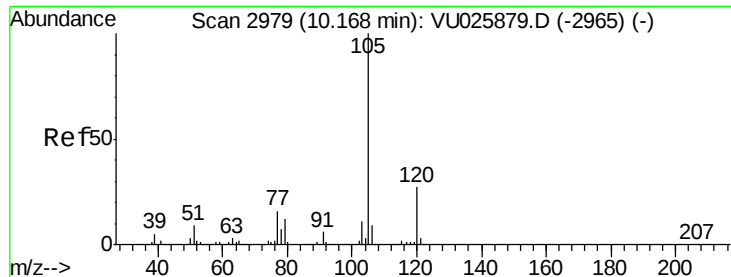
Tot Ion:173 Resp: 108979
Ion Ratio Lower Upper
173 100
175 48.0 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion:152 Resp: 169713
Ion Ratio Lower Upper
152 100
115 80.9 40.1 120.3
150 173.2 0.0 351.4





#73

Isopropylbenzene

Concen: 50.31 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

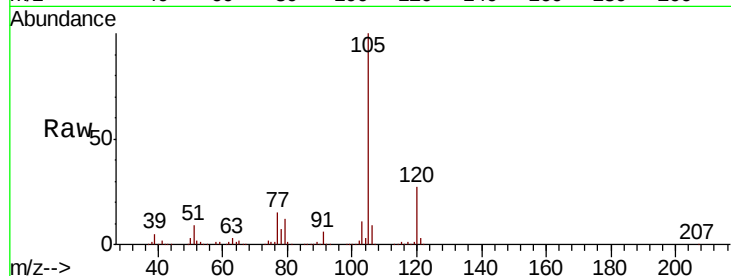
VSTDCCC050

Tot Ion:105 Resp: 582733

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

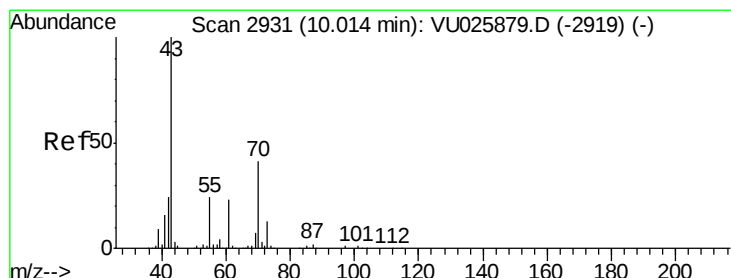
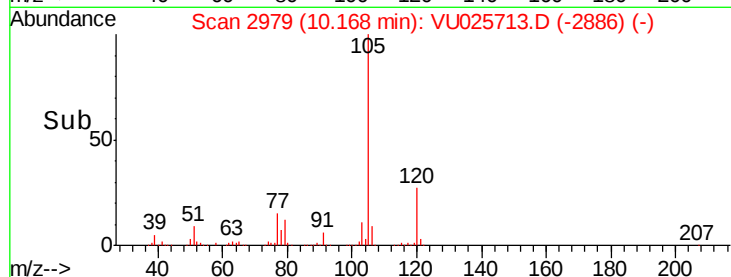
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.87 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Tgt Ion: 43 Resp: 226360

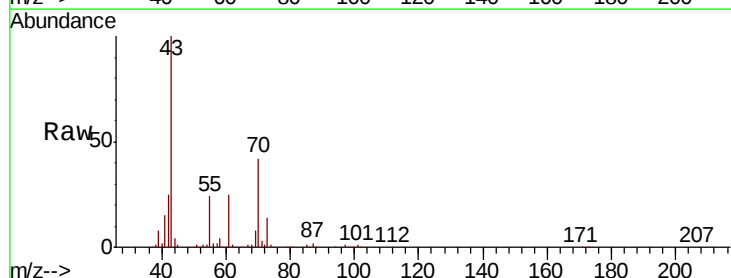
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.2

55 24.3 19.0 28.6

61 24.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

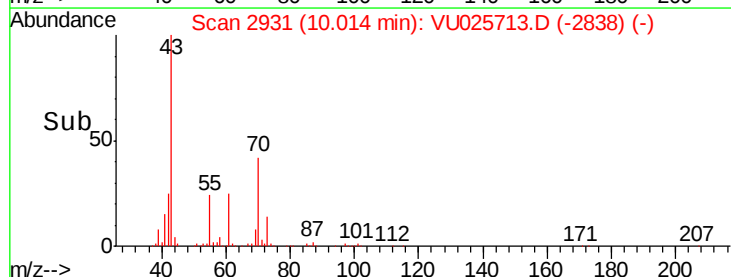
150000

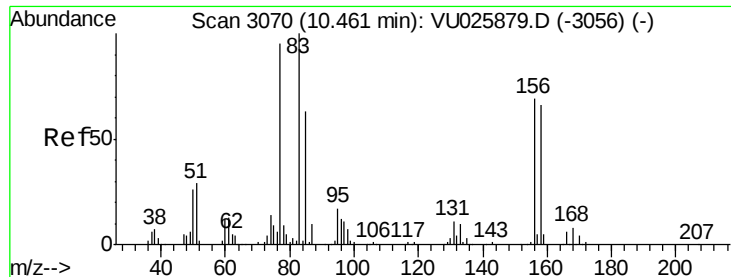
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.84 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

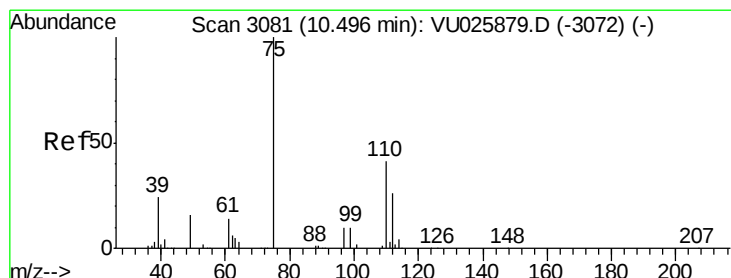
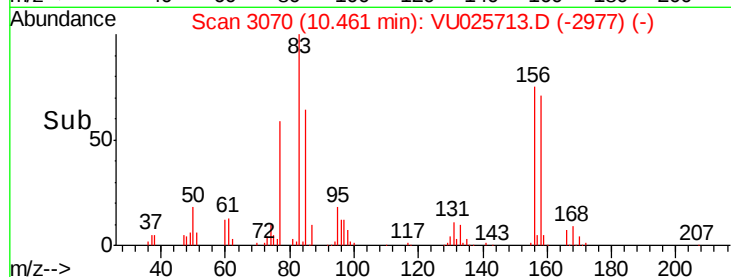
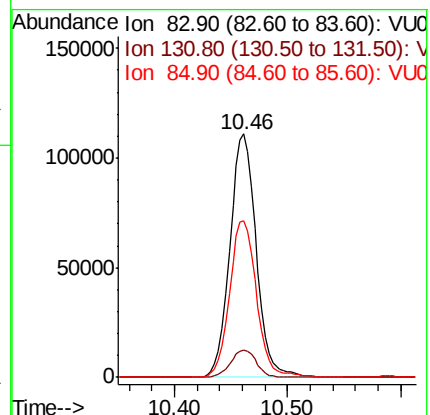
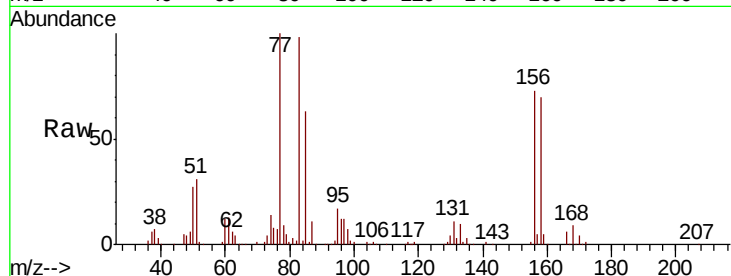
Tot Ion: 83 Resp: 179624

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

85 66.0 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 41.11 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025713.D

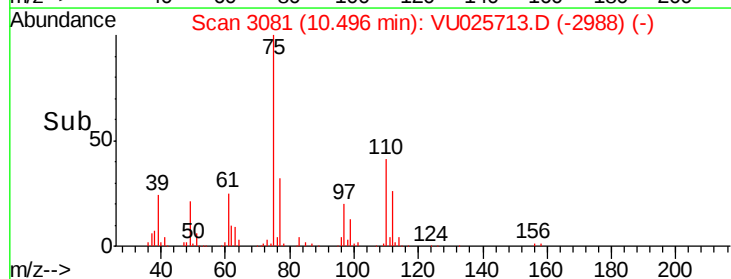
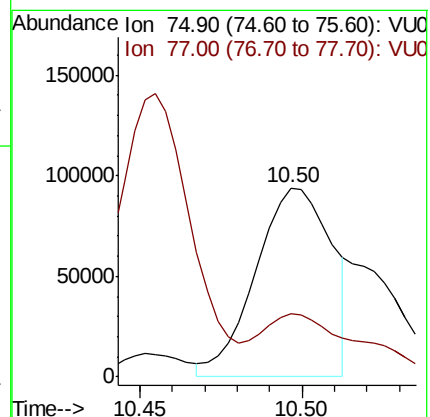
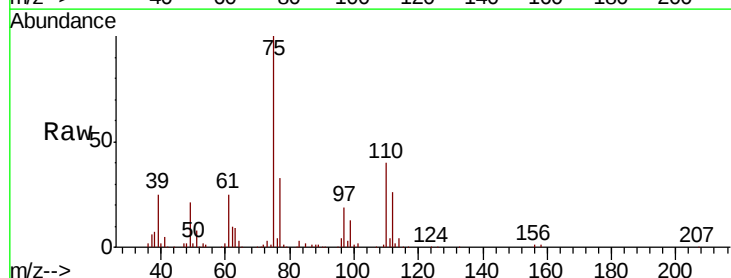
Acq: 30 Jul 2018 10:20

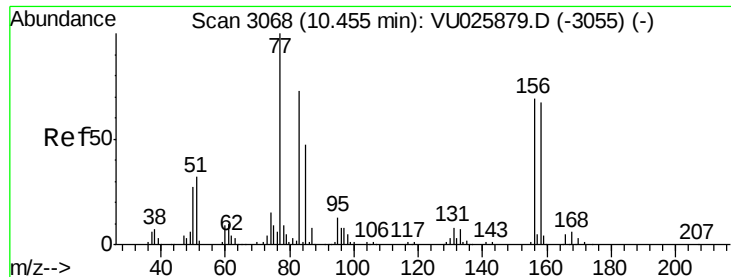
Tgt Ion: 75 Resp: 153729

Ion Ratio Lower Upper

75 100

77 42.2 20.4 61.3





#77

Bromobenzene

Concen: 48.89 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

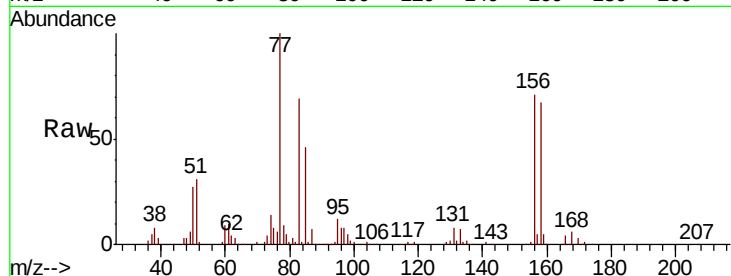
Tot Ion:156 Resp: 156201

Ion Ratio Lower Upper

156 100

77 143.7 73.8 221.4

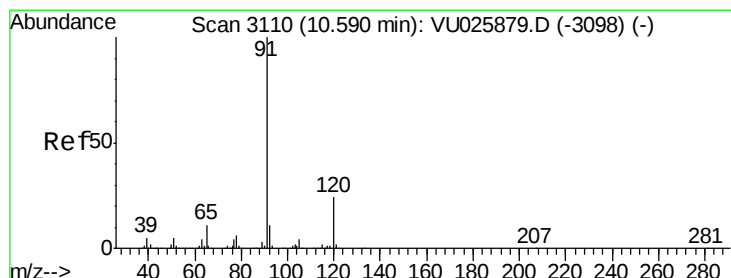
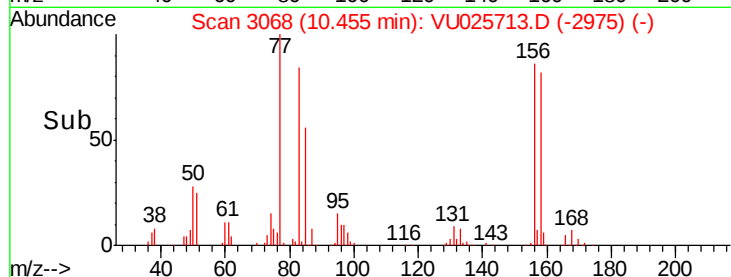
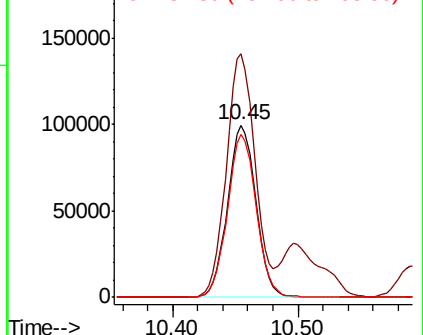
158 95.7 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.98 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025713.D

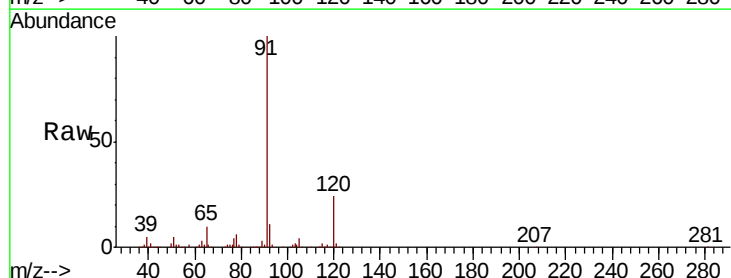
Acq: 30 Jul 2018 10:20

Tgt Ion: 91 Resp: 689296

Ion Ratio Lower Upper

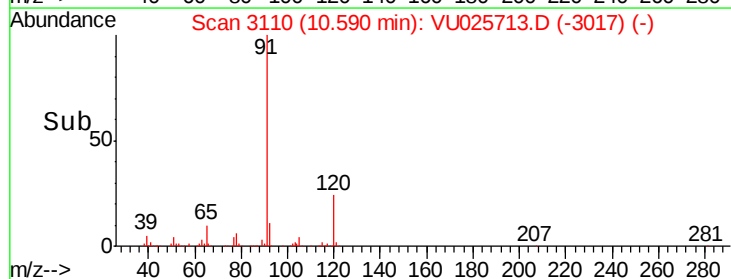
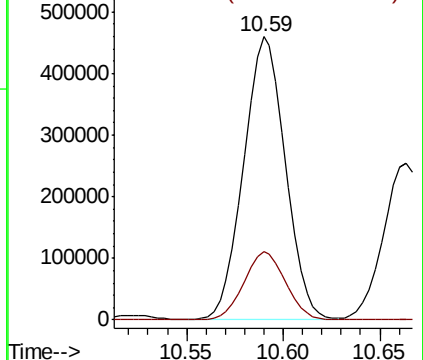
91 100

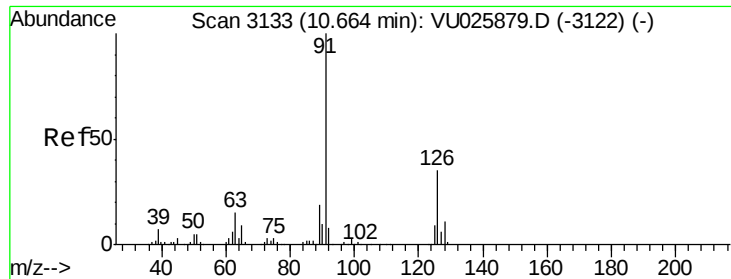
120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

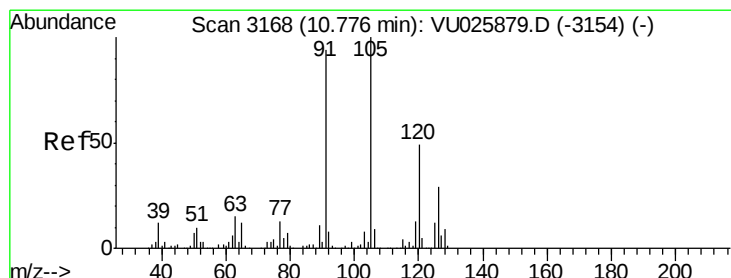
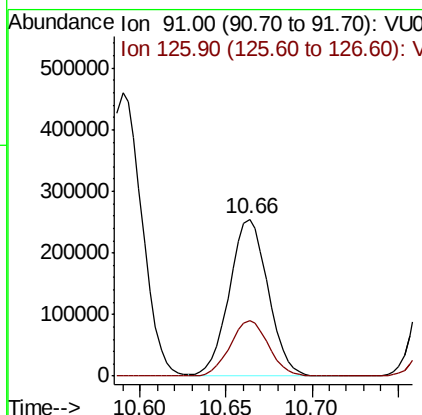
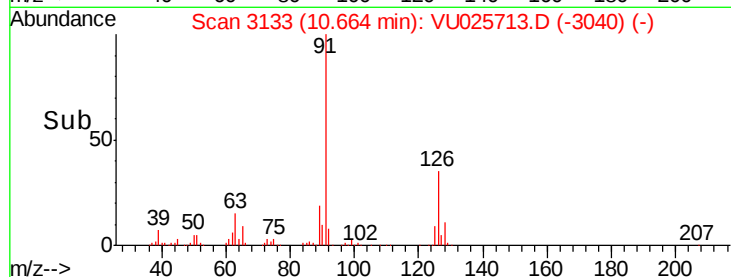
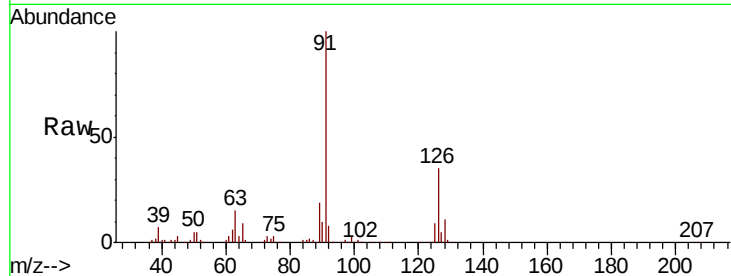




#79
 2-Chlorotoluene
 Concen: 50.26 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

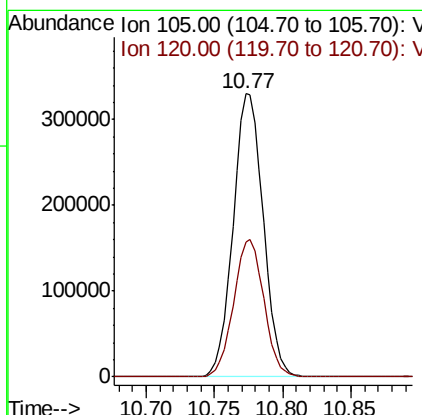
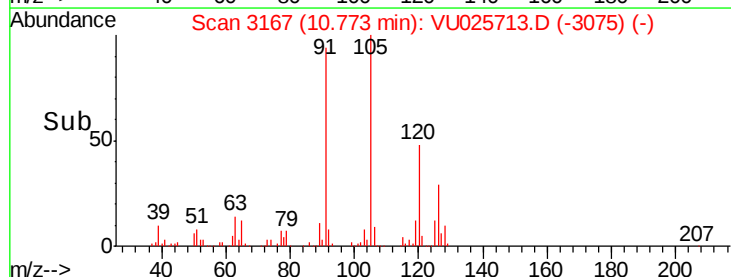
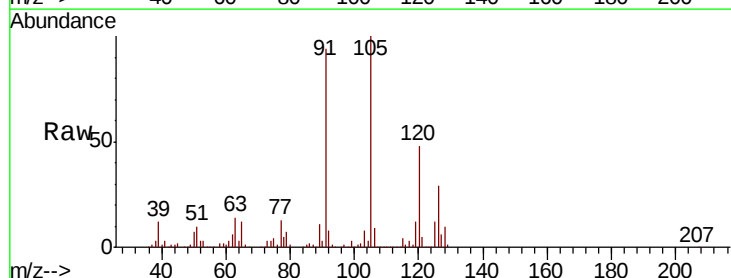
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

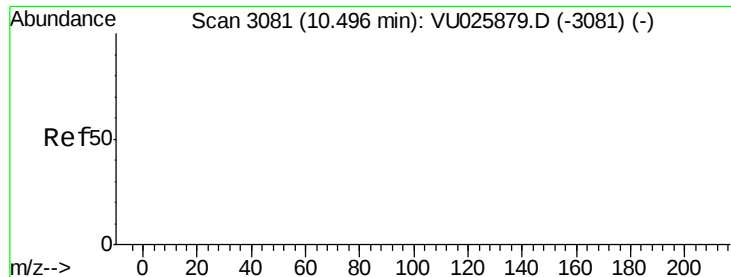
Tot Ion: 91 Resp: 398020
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.31 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Tgt Ion: 105 Resp: 504722
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

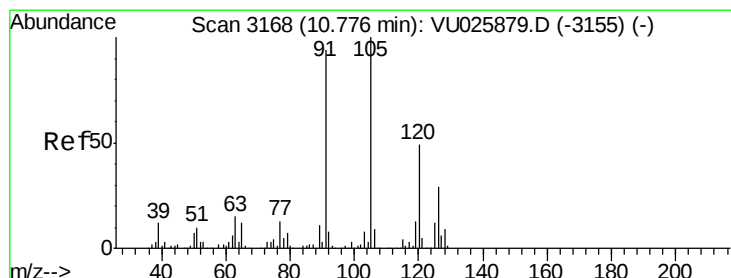
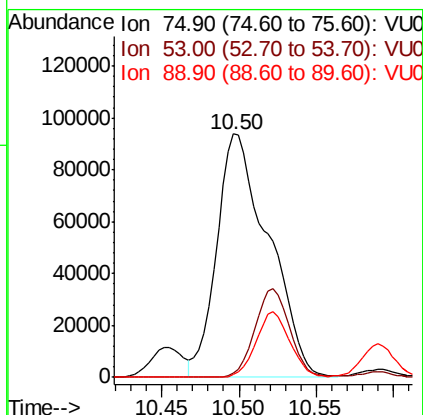
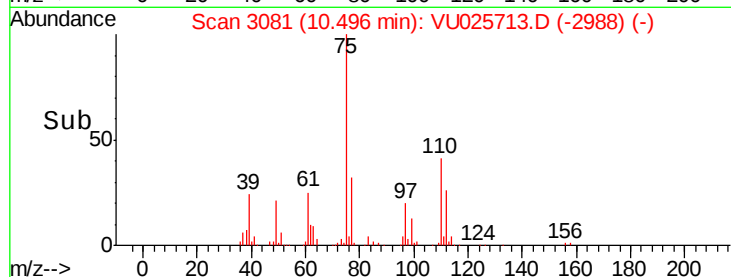
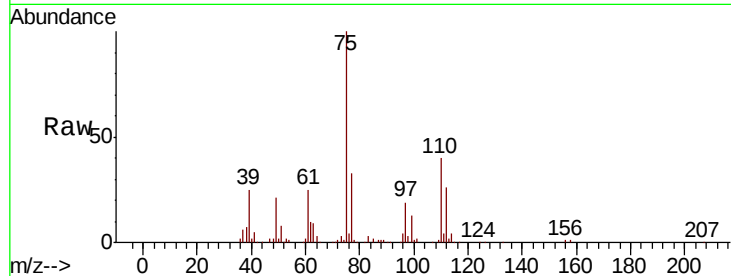




#81
trans-1,4-Dichloro-2-butene
Concen: 146.24 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

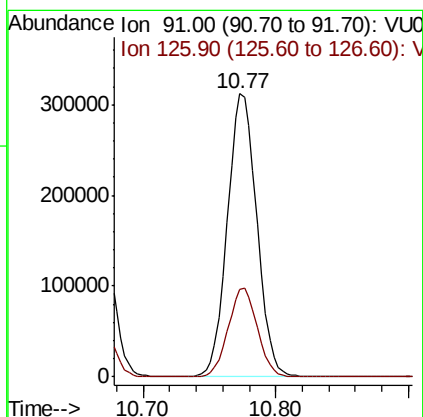
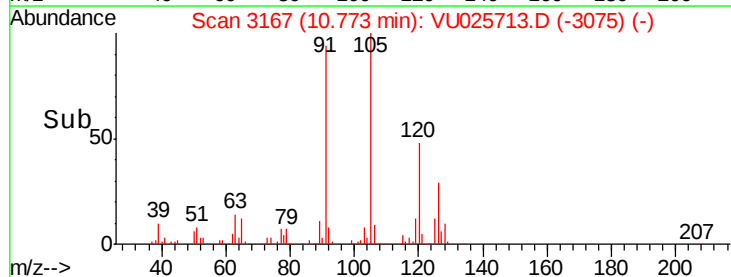
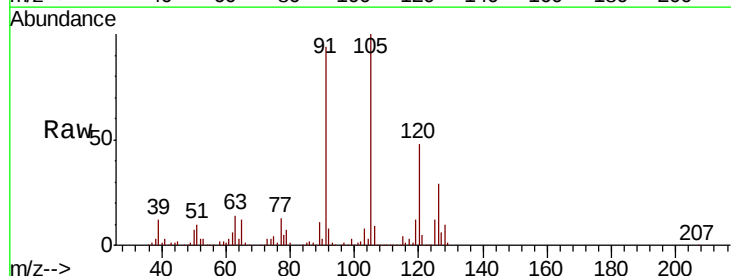
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

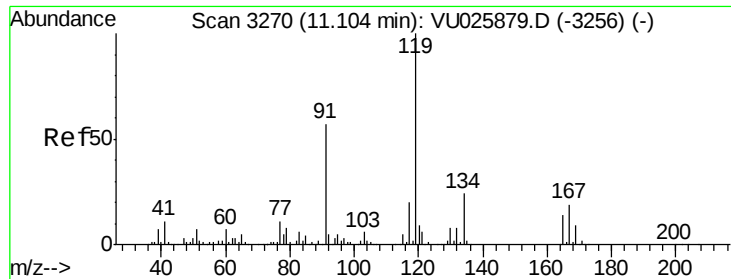
Tot Ion: 75 Resp: 218075
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.34 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 91 Resp: 479212
Ion Ratio Lower Upper
91 100
126 31.0 15.3 45.9

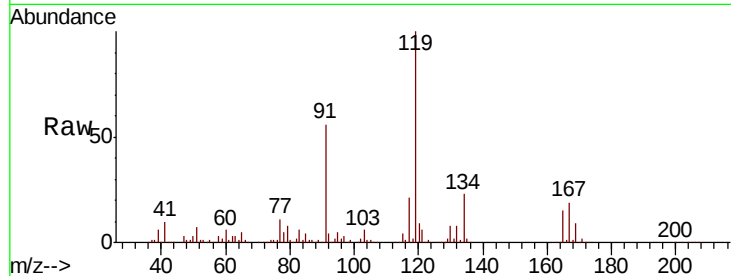




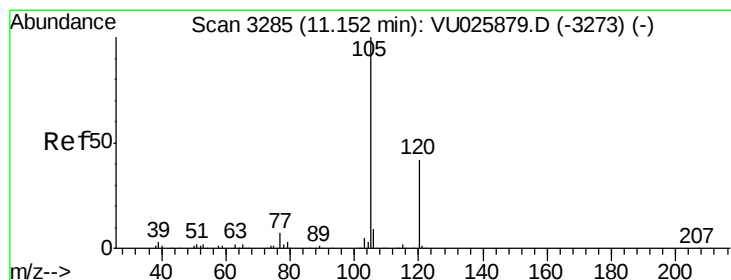
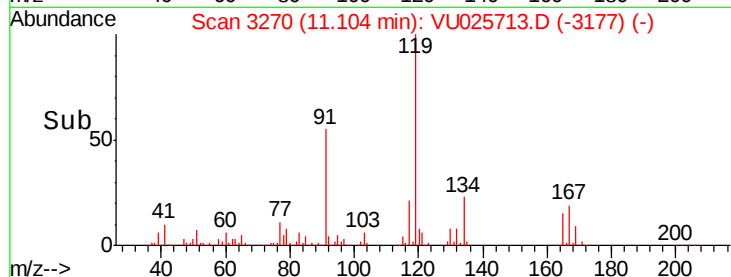
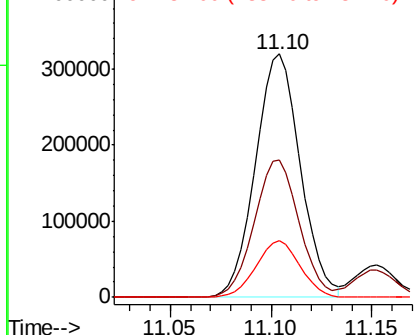
#83
 tert-Butylbenzene
 Concen: 50.86 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 497097
 Ion Ratio Lower Upper
 119 100
 91 56.4 29.7 89.1
 134 22.9 11.5 34.5

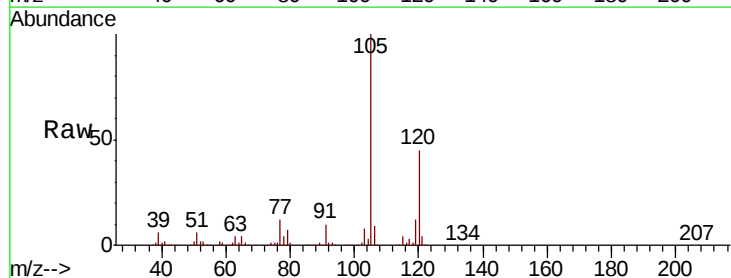


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

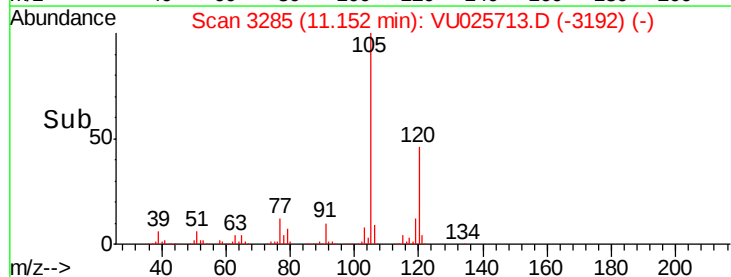
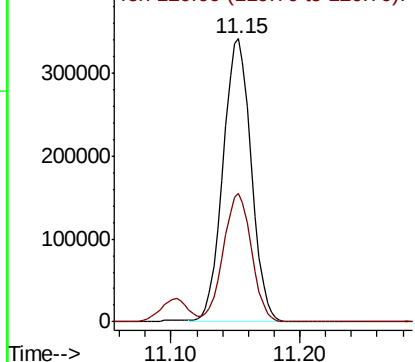


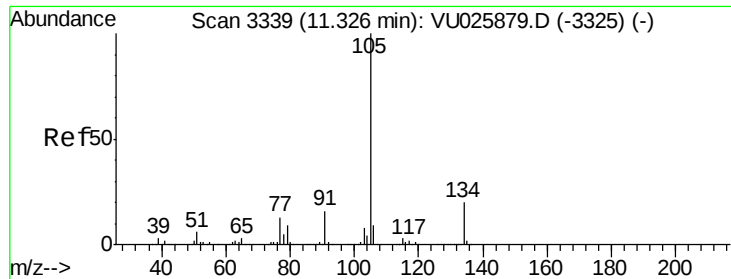
#84
 1,2,4-Trimethylbenzene
 Concen: 51.88 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Tgt Ion:105 Resp: 517202
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8



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





#85

sec-Butylbenzene

Concen: 51.51 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

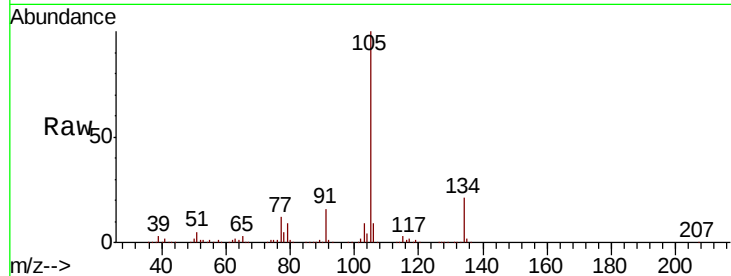
VSTDCCC050

Tot Ion:105 Resp: 614686

Ion Ratio Lower Upper

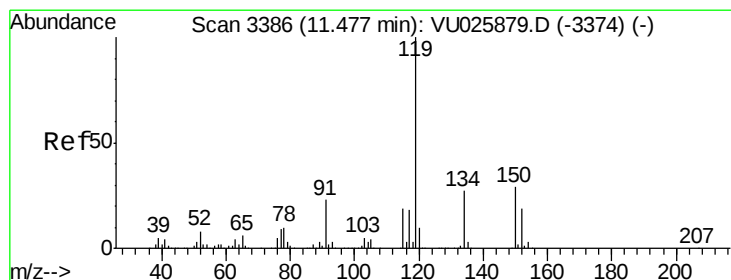
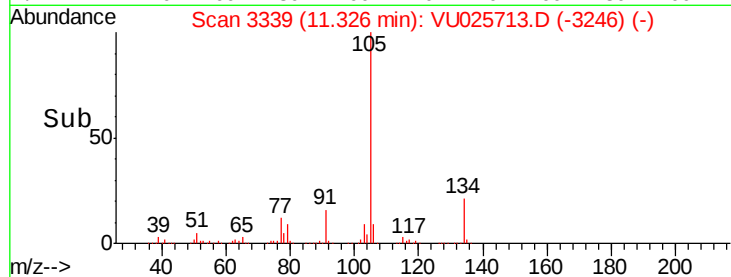
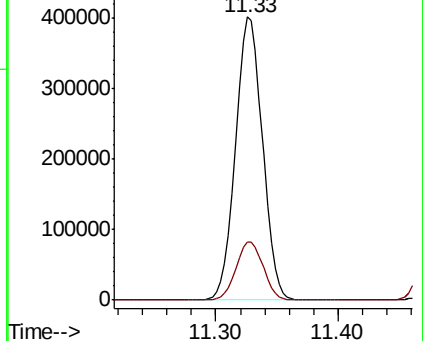
105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.11 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

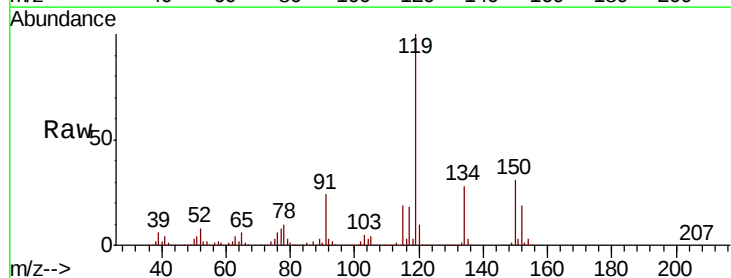
Tgt Ion:119 Resp: 556867

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.5

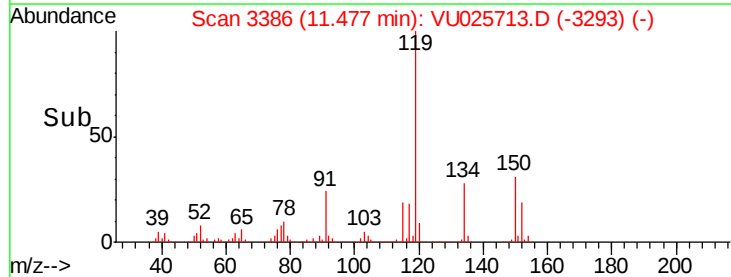
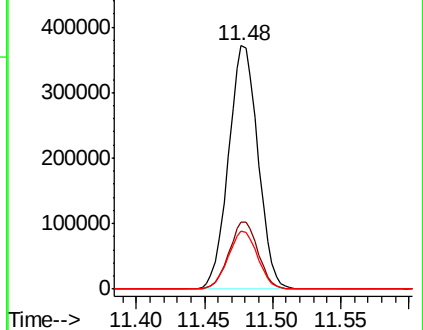
91 23.8 12.0 36.1

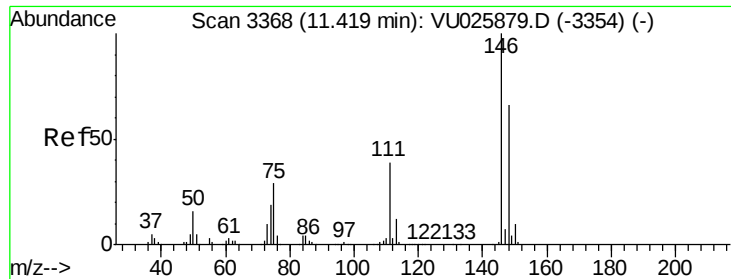


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 49.56 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

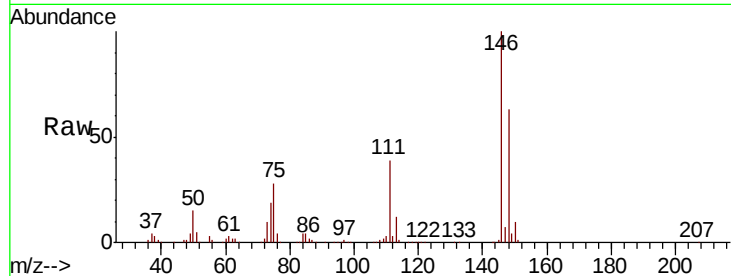
Tot Ion:146 Resp: 293907

Ion Ratio Lower Upper

146 100

111 38.5 19.7 59.1

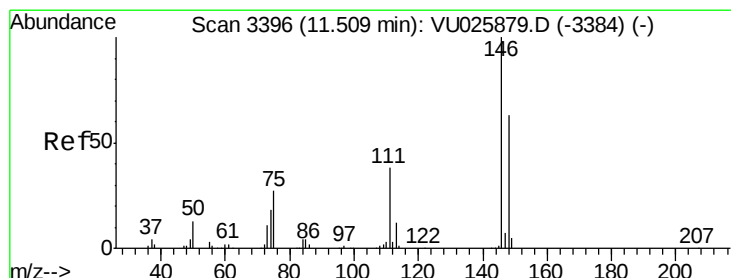
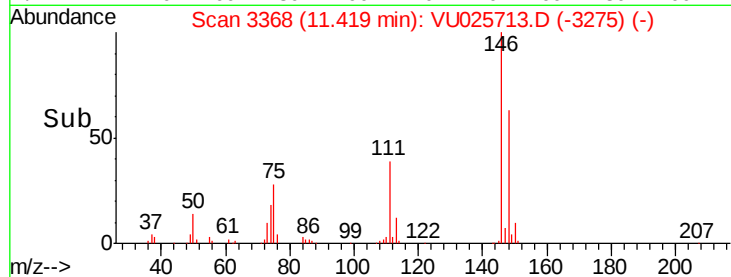
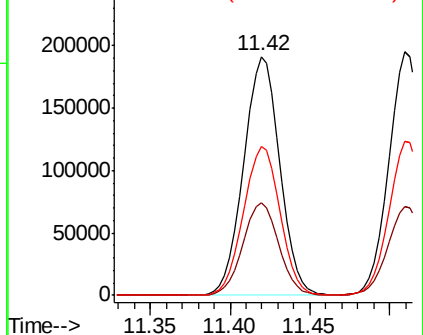
148 63.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.32 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025713.D

Acq: 30 Jul 2018 10:20

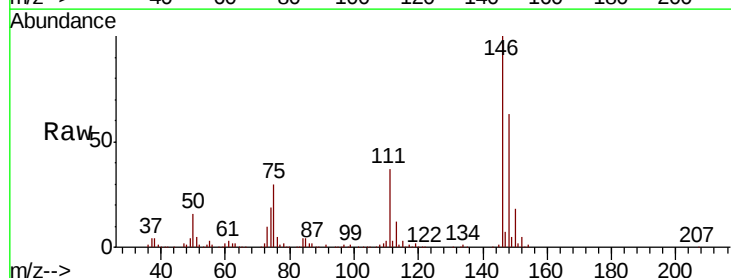
Tgt Ion:146 Resp: 298728

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.1

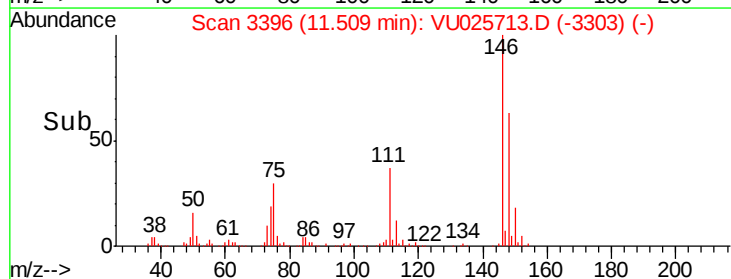
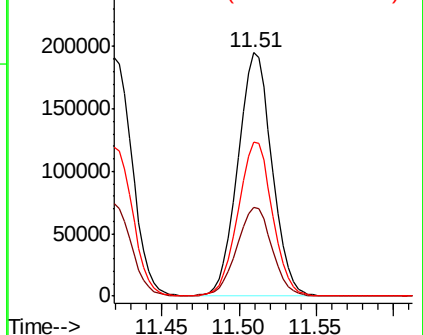
148 64.1 31.7 95.1

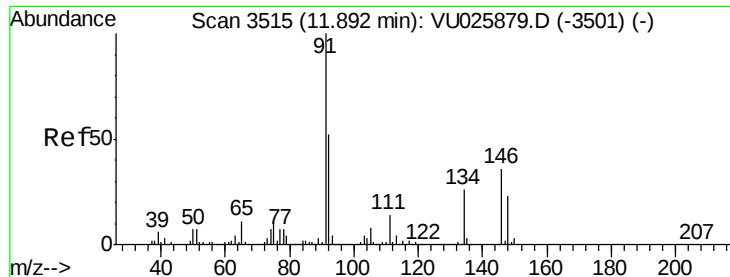


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

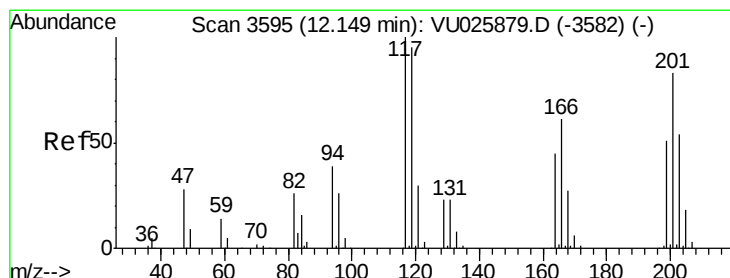
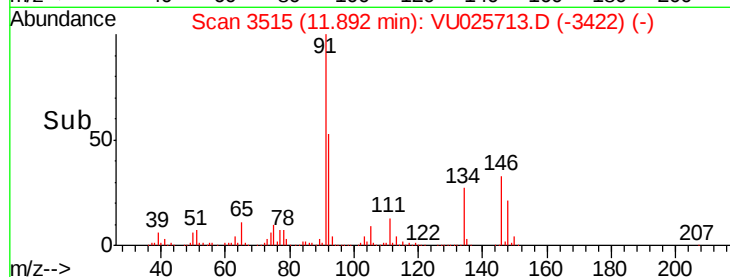
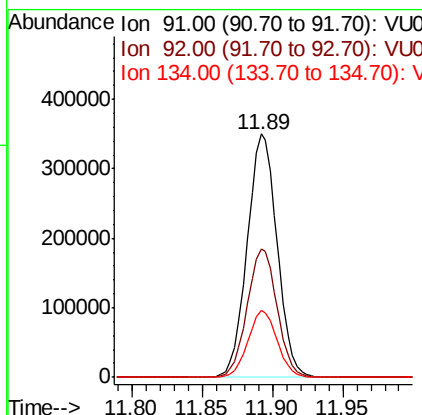
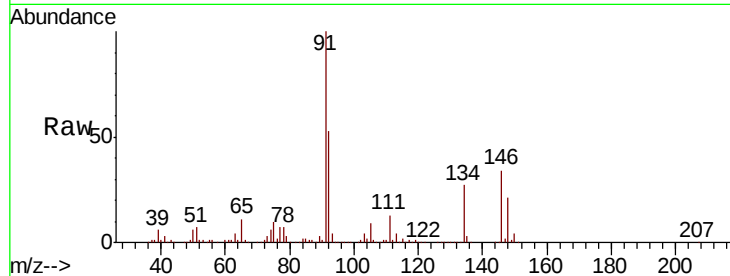




#89
n-Butylbenzene
Concen: 52.65 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

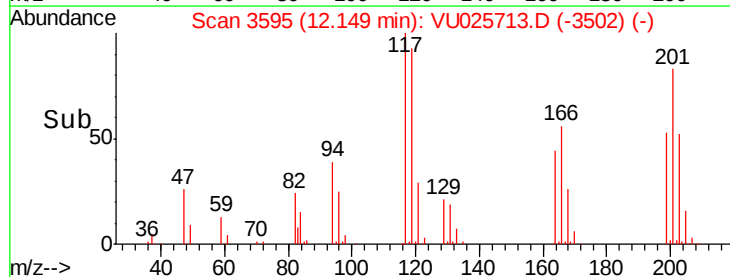
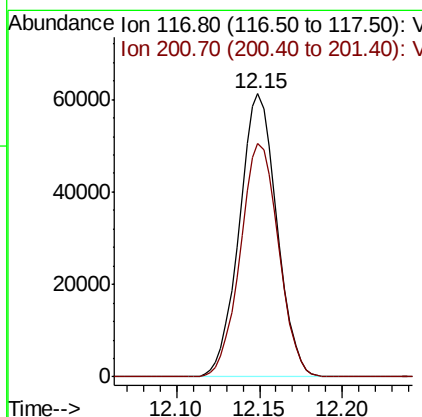
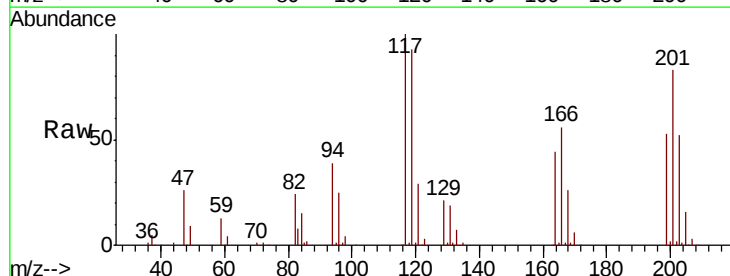
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

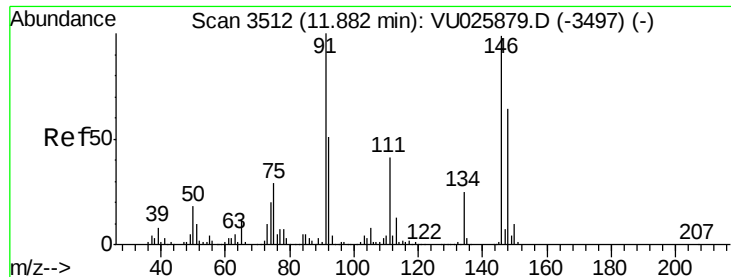
Tot Ion: 91 Resp: 519171
Ion Ratio Lower Upper
91 100
92 52.9 26.5 79.5
134 26.8 13.6 40.7



#90
Hexachloroethane
Concen: 50.58 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion: 117 Resp: 96100
Ion Ratio Lower Upper
117 100
201 84.3 42.5 127.6

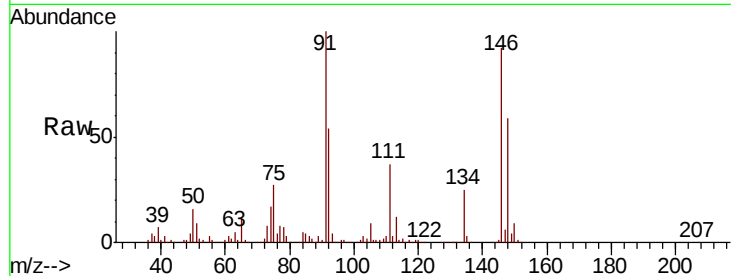




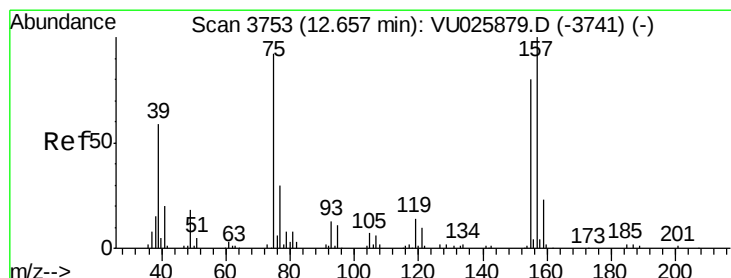
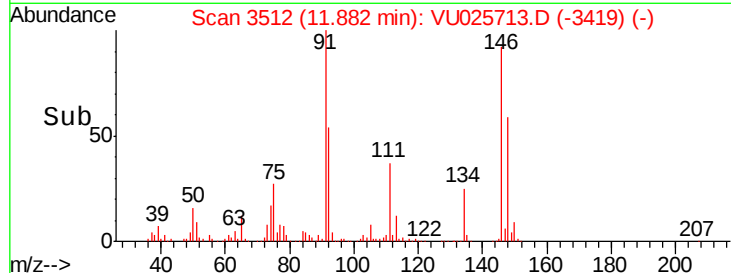
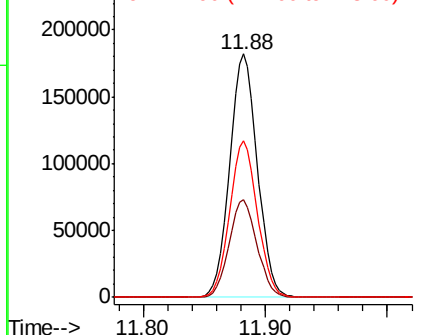
#91
 1,2-Dichlorobenzene
 Concen: 49.47 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.3	31.5	94.5

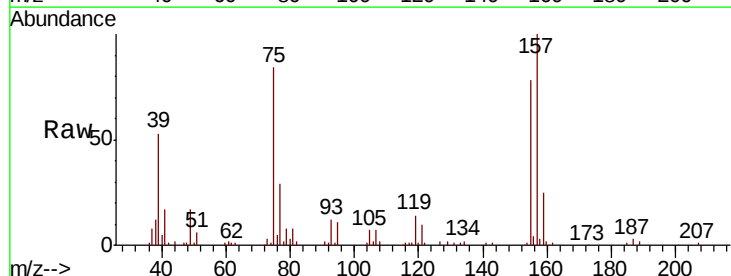


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

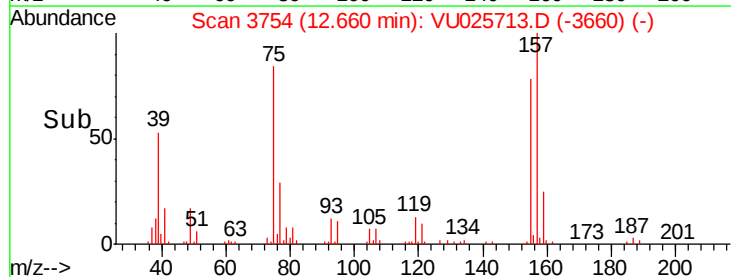
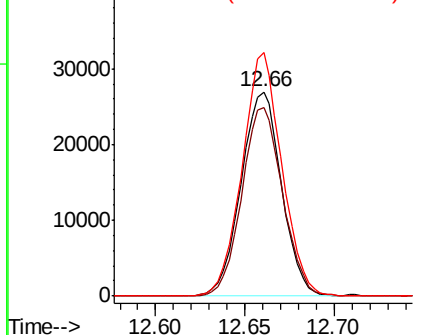


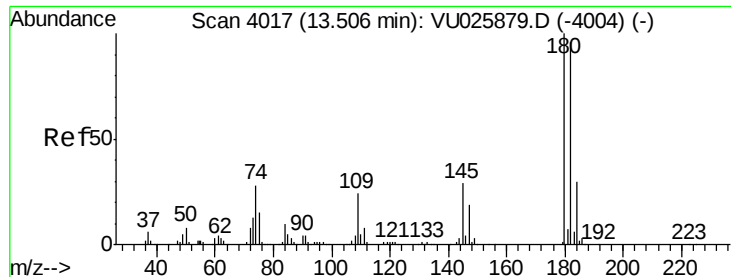
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.18 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	44.5	133.3
157	116.6	57.0	170.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

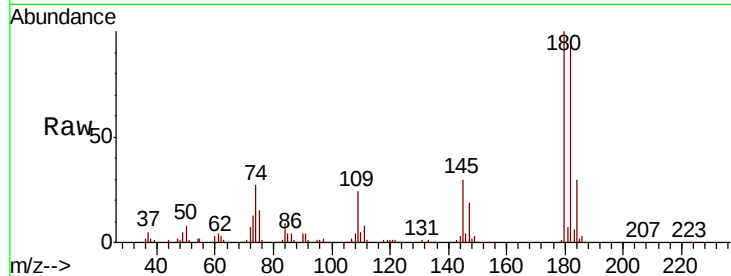




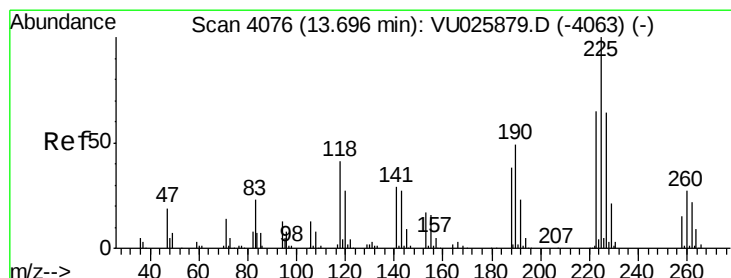
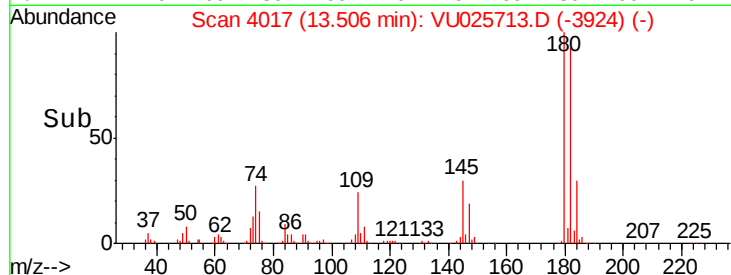
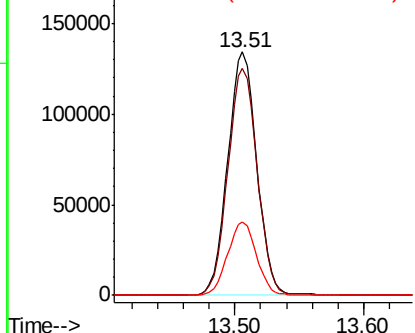
#93
 1,2,4-Trichlorobenzene
 Concen: 53.53 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 210004
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 141.9
 145 30.0 14.9 44.7

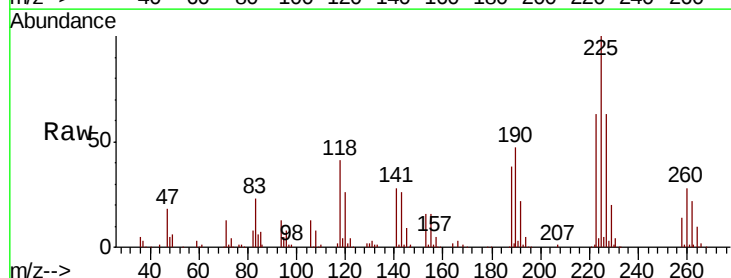


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

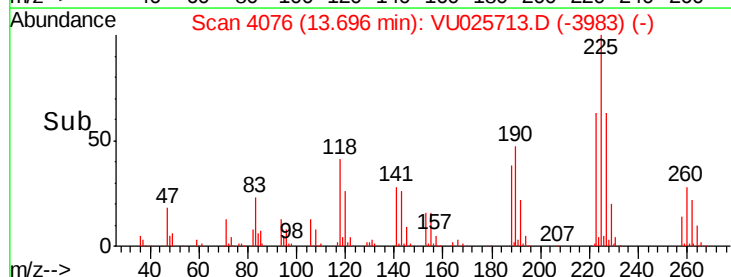
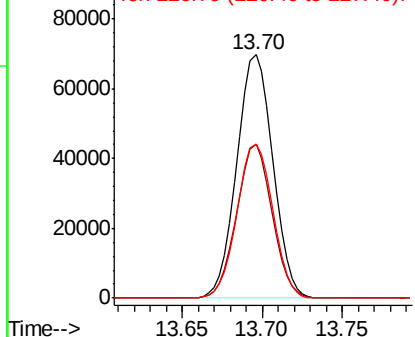


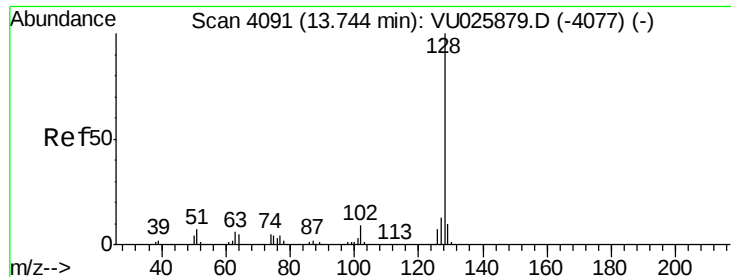
#94
 Hexachlorobutadiene
 Concen: 51.79 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025713.D
 Acq: 30 Jul 2018 10:20

Tgt Ion:225 Resp: 107109
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.7
 227 63.0 32.3 96.9



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

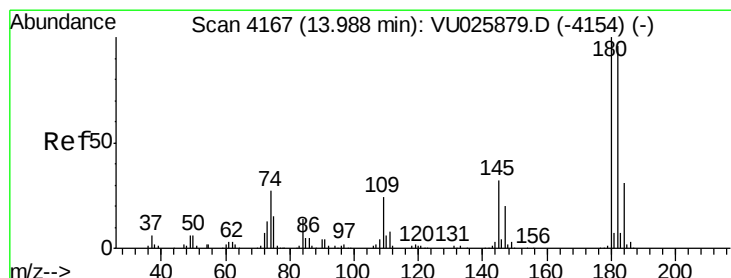
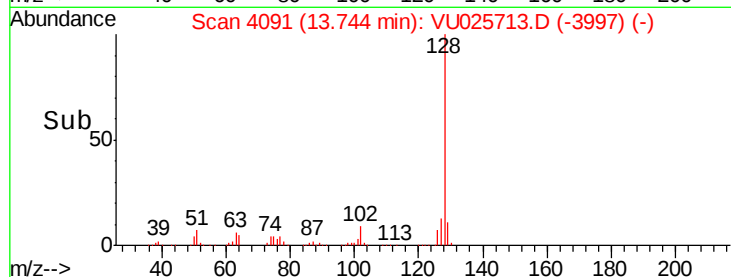
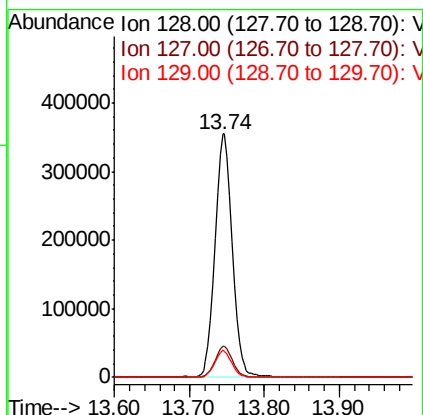
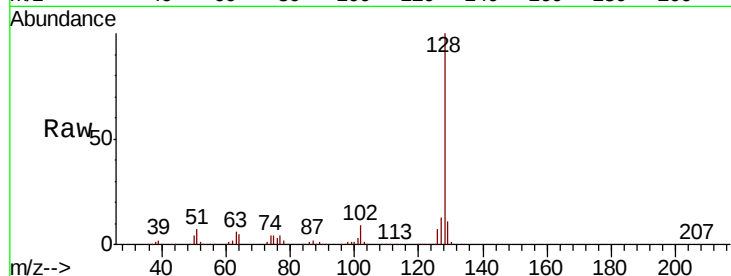




#95
Naphthalene
Concen: 45.74 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 575041
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.88 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025713.D
Acq: 30 Jul 2018 10:20

Tgt Ion:180 Resp: 203051
Ion Ratio Lower Upper
180 100
182 96.2 47.8 143.3
145 31.2 15.6 46.8

