

Data File : VU033199.D
Acq On : 11 Jul 2019 18:42
Operator : JC/SP
Sample : VSTDICCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Quant Time: Jul 12 04:15:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 04:10:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	33595	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	13348	1.01	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	14704	1.08	ug/l	0.00
Spiked Amount	1.000		Recovery	=	108.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	130293	9.328	ug/l 100
3) Chloromethane	1.32	50	149398	9.388	ug/l 100
4) Vinyl Chloride	1.40	62	153665	9.097	ug/l 100
5) Bromomethane	1.62	94	91858	9.764	ug/l 100
6) Chloroethane	1.69	64	95339	8.993	ug/l 100
7) Trichlorofluoromethane	1.87	101	214373	9.367	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	108942	9.420	ug/l 100
9) 1,1-Dichloroethene	2.27	96	107757	9.191	ug/l 100
10) Iodomethane	2.40	142	144758	9.243	ug/l 100
11) Allyl Chloride	2.58	41	180354	8.929	ug/l 100
12) Acrylonitrile	2.92	53	59962	18.359	ug/l 100
13) Acetone	2.31	43	126261	43.688	ug/l 100
14) Carbon Disulfide	2.46	76	396214	9.132	ug/l 100
15) Methylene Chloride	2.68	84	133256	8.821	ug/l 100
16) trans-1,2-Dichloroethene	2.96	96	122380	9.073	ug/l 100
17) 1,1-Dichloroethane	3.42	63	184949	9.322	ug/l 100
18) 2-Butanone	4.25	43	140054	54.076	ug/l 100
19) Cyclohexane	4.96	56	132967	8.885	ug/l 87
20) Methylcyclohexane	6.39	83	165074	11.119	ug/l 100
21) 2,2-Dichloropropane	4.20	77	154458	8.927	ug/l 100
22) cis-1,2-Dichloroethene	4.20	96	108368	9.852	ug/l 100
23) Diethyl Ether	2.09	59	94098	9.508	ug/l 100
24) tert-Butyl Alcohol	2.82	59	115212	91.427	ug/l 100
25) Methyl tert-Butyl Ether	2.98	73	320758	9.603	ug/l 100
26) Bromochloromethane	4.52	128	46905	9.572	ug/l 100
27) Chloroform	4.65	83	193878	8.756	ug/l 100
28) 1,1,1-Trichloroethane	4.89	97	163746	9.439	ug/l 100
29) 1,1-Dichloropropene	5.11	75	142170	9.903	ug/l 100
30) Carbon Tetrachloride	5.11	117	145030	9.349	ug/l 100
31) Isopropyl Ether	3.55	45	258661	9.869	ug/l 100
32) Ethyl-t-butyl ether	4.05	59	255281	10.217	ug/l 100
33) Tert-Amyl methyl ether	5.56	73	244254	10.842	ug/l 100
34) Propionitrile	4.31	54	42111	56.165	ug/l 100
35) Benzene	5.36	78	413462	9.901	ug/l 100
36) 1,2-Dichloroethane	5.38	62	130620	9.688	ug/l 100
37) Trichloroethene	6.16	130	106783	9.910	ug/l 100
38) 1,2-Dichloropropane	6.41	63	111927	9.732	ug/l 100
39) Methacrylonitrile	4.52	41	33756	10.852	ug/l 100
40) Methyl acrylate	4.40	55	56395	12.019	ug/l 100
41) Tetrahydrofuran	4.62	42	34727	21.888	ug/l 100
42) 1-Chlorobutane	5.04	56	192391	9.861	ug/l 100

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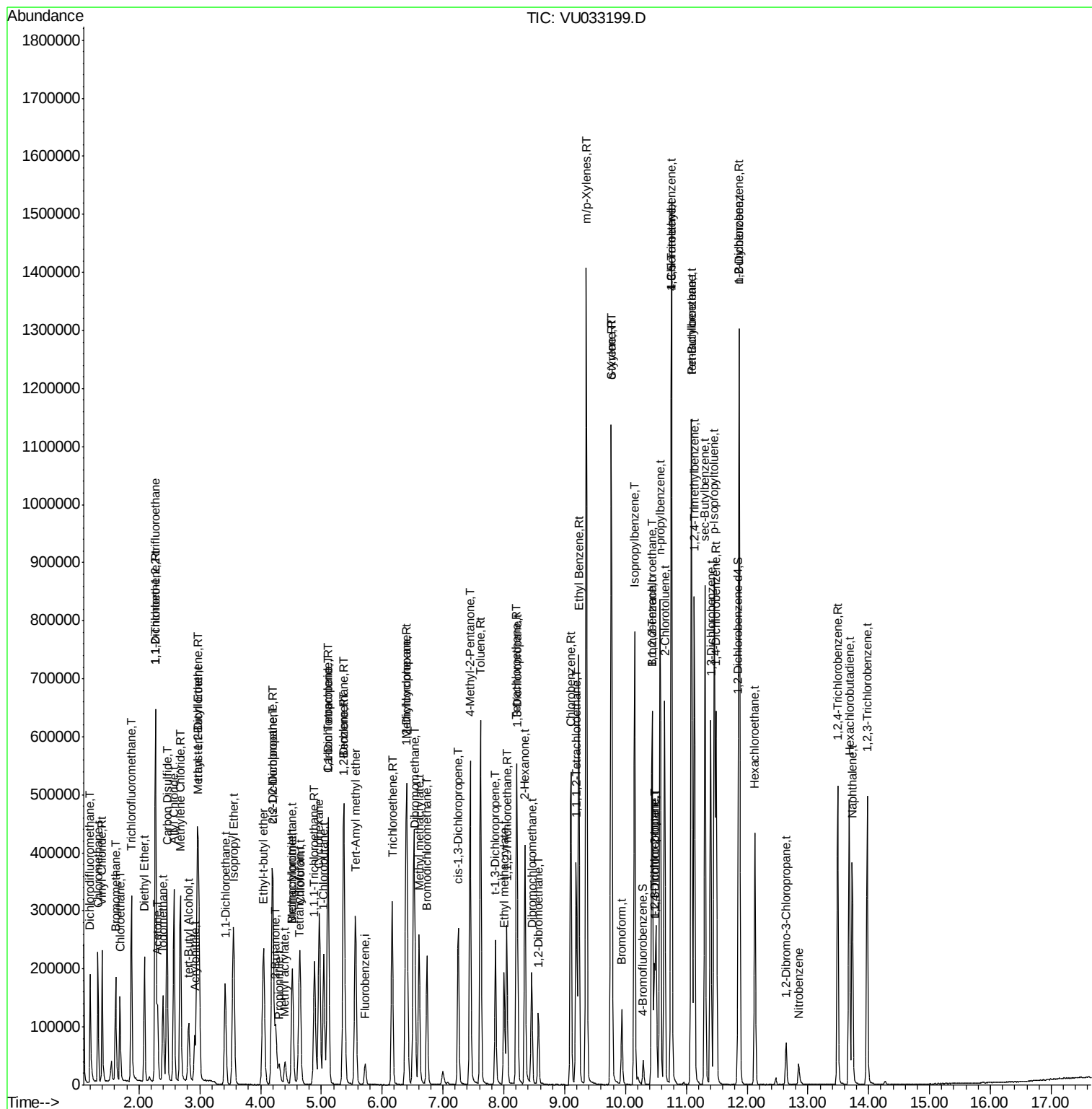
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	59715	9.900	ug/l	100
44) Bromodichloromethane	6.74	83	144191	9.601	ug/l	100
45) 4-Methyl-2-Pentanone	7.45	43	358132	55.959	ug/l	100
46) t-1,4-Dichloro-2-butene	10.48	75	68964	23.868	ug/l	94
47) Methyl methacrylate	6.61	69	106186	22.683	ug/l	100
48) Ethyl methacrylate	8.00	69	100163	11.556	ug/l	100
49) Toluene	7.62	92	258174	10.496	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	137501	10.613	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	155003	10.176	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	82110	9.873	ug/l	100
53) 1,3-Dichloropropane	8.22	76	142003	10.163	ug/l	100
54) 2-Hexanone	8.35	43	254198	58.321	ug/l	100
55) Dibromochloromethane	8.46	129	97081	9.993	ug/l	100
56) 1,2-Dibromoethane	8.57	107	78915	10.377	ug/l	100
58) Tetrachloroethene	8.21	164	97816	9.907	ug/l	100
59) Chlorobenzene	9.10	112	287008	10.480	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	100954	9.629	ug/l	100
61) Pentachloroethane	11.09	117	81041	9.515	ug/l	100
62) Hexachloroethane	12.13	117	81164	9.924	ug/l	100
63) Ethyl Benzene	9.23	91	497802	11.035	ug/l	100
64) m/p-Xylenes	9.36	106	392919	22.353	ug/l	100
65) o-Xylene	9.76	106	186873	11.071	ug/l	100
66) Styrene	9.77	104	328095	11.543	ug/l	100
67) Bromoform	9.94	173	56122	10.552	ug/l	100
69) Isopropylbenzene	10.15	105	492761	11.179	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	112286	10.205	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	68964	8.708	ug/l	90
72) Bromobenzene	10.44	156	119316	10.606	ug/l	100
73) n-propylbenzene	10.57	120	142885	11.657	ug/l	100
74) 2-Chlorotoluene	10.64	126	123013	10.976	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	443962	11.370	ug/l	100
76) 4-Chlorotoluene	10.76	126	130959	11.149	ug/l	100
77) tert-Butylbenzene	11.08	119	411680	11.058	ug/l	100
78) 1,2,4-Trimethylbenzene	11.13	105	456089	11.531	ug/l	100
79) sec-Butylbenzene	11.31	105	563599	11.075	ug/l	100
80) Nitrobenzene	12.85	77	20267	74.449	ug/l	100
81) p-Isopropyltoluene	11.46	119	474059	11.574	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	250022	10.578	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	254451	10.922	ug/l	100
84) n-Butylbenzene	11.87	91	464857	11.617	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	234466	10.712	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	19178	11.289	ug/l	100
87) 1,2,4-Trichlorobenzene	13.49	180	155051	12.867	ug/l	100
88) Hexachlorobutadiene	13.68	225	82790	10.591	ug/l	100
89) Naphthalene	13.73	128	300754	14.862	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	147780	12.611	ug/l	100

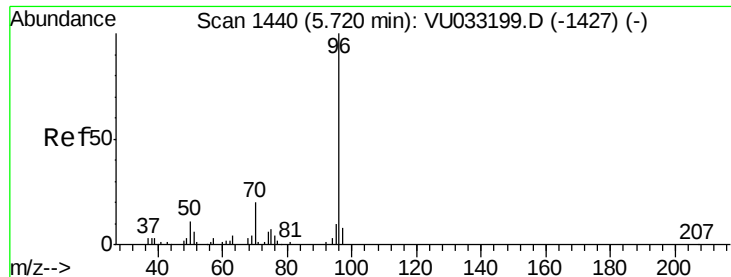
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tgt Ion: 96 Resp: 33595

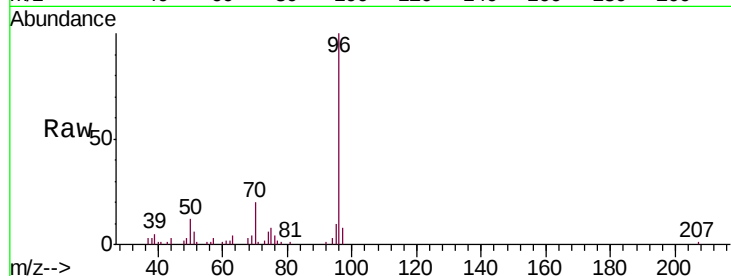
Ion Ratio Lower Upper

96 100

70 20.3 16.2 24.4

95 9.8 7.8 11.8

97 0.0 0.0 0.0

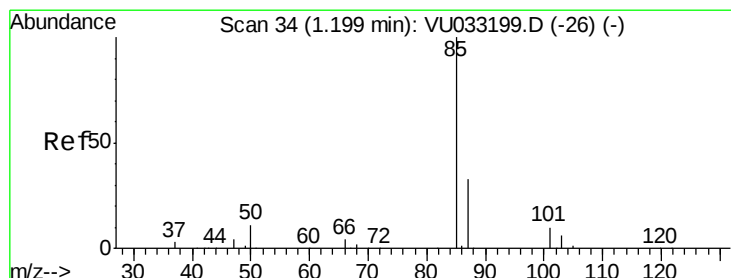
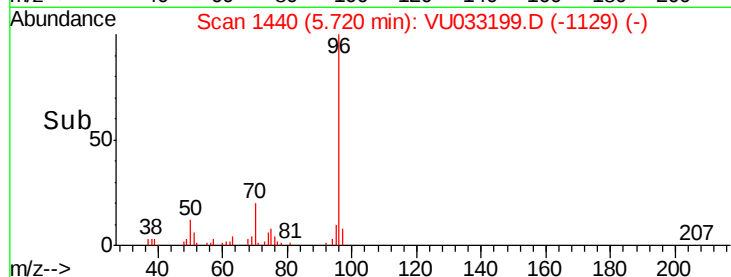
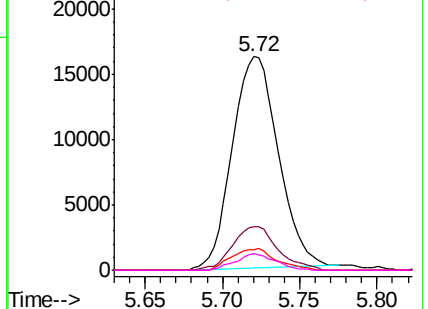


Abundance Ion 96.00 (95.70 to 96.70): VU033199.D (-1427) (-)

Ion 70.00 (69.70 to 70.70): VU033199.D (-1427) (-)

Ion 95.00 (94.70 to 95.70): VU033199.D (-1427) (-)

Ion 97.00 (96.70 to 97.70): VU033199.D (-1427) (-)



#2

Dichlorodifluoromethane

Concen: 9.328 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033199.D

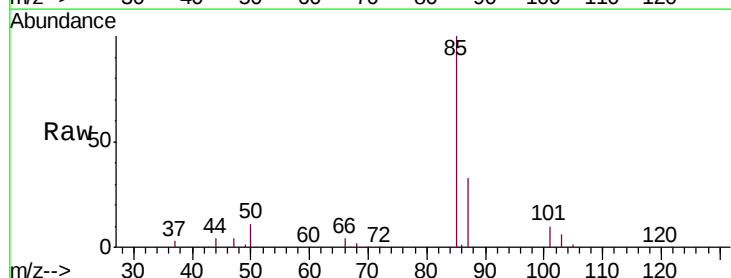
Acq: 11 Jul 2019 18:42

Tgt Ion: 85 Resp: 130293

Ion Ratio Lower Upper

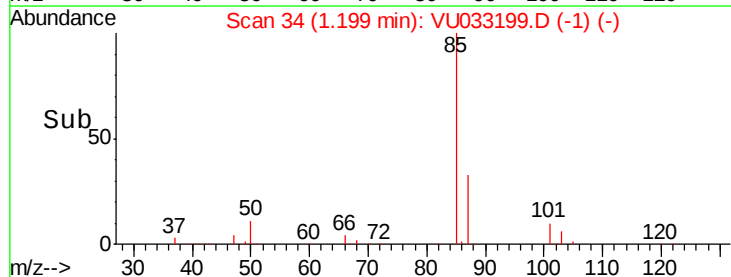
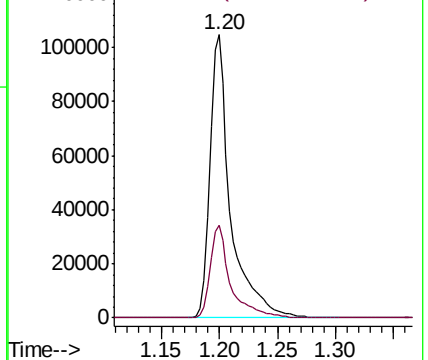
85 100

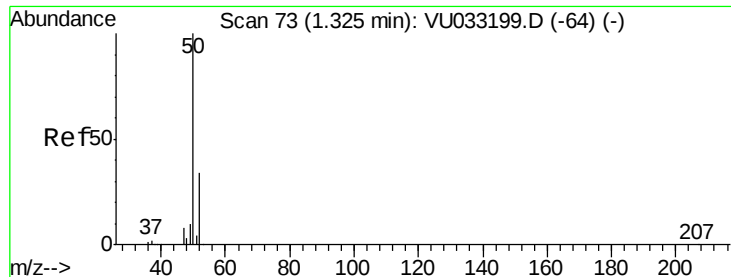
87 32.7 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VU033199.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033199.D (-26) (-)





#3

Chloromethane

Concen: 9.388 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

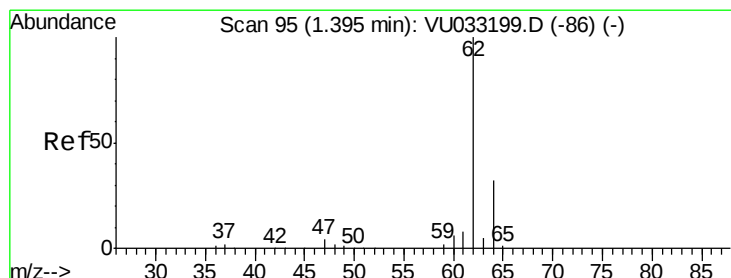
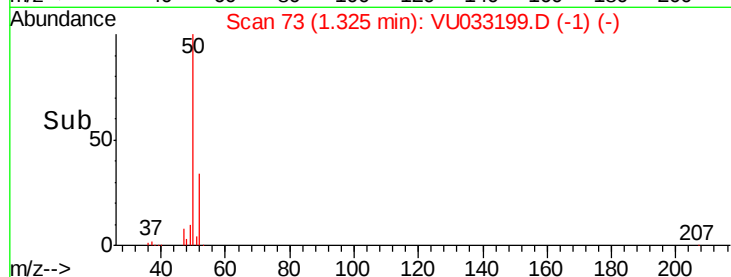
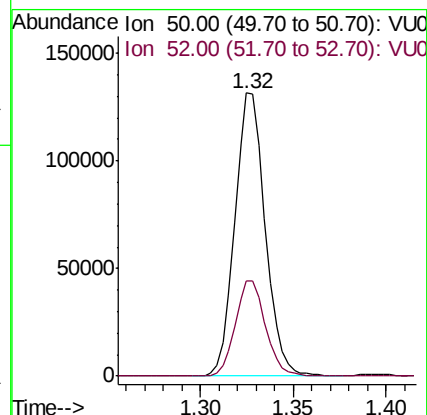
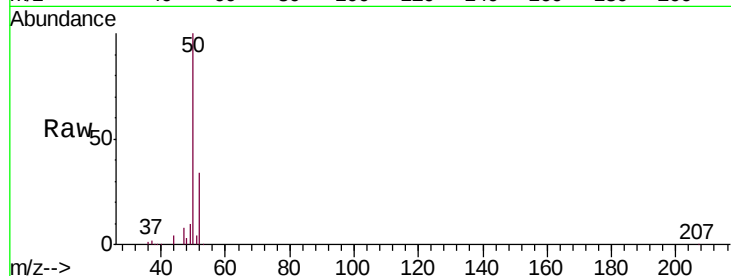
VSTDICCC010

Tgt Ion: 50 Resp: 149398

Ion Ratio Lower Upper

50 100

52 33.7 27.0 40.4



#4

Vinyl Chloride

Concen: 9.097 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033199.D

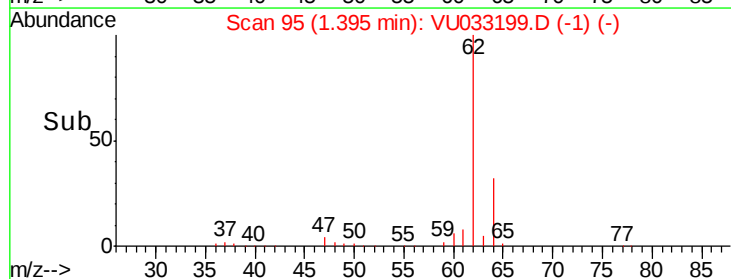
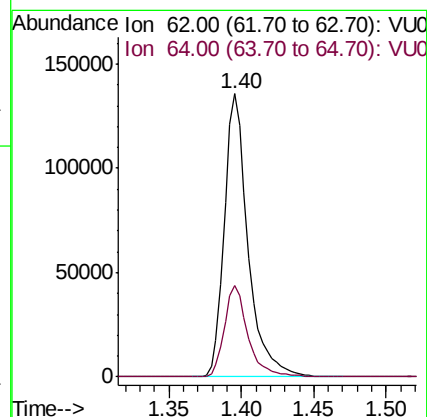
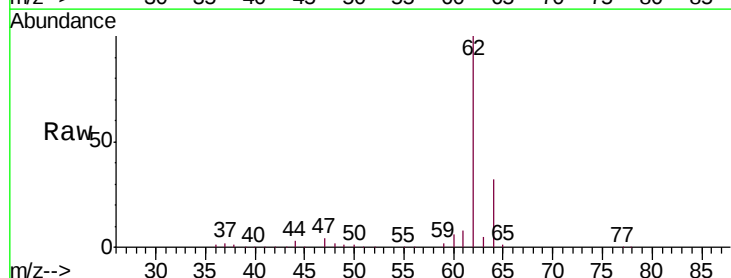
Acq: 11 Jul 2019 18:42

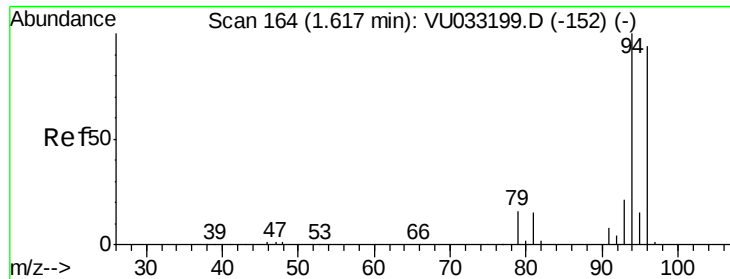
Tgt Ion: 62 Resp: 153665

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 9.764 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

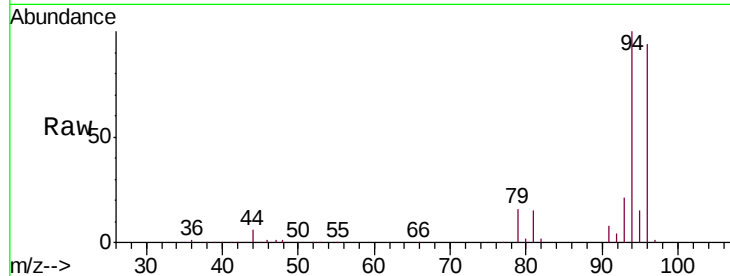
VSTDICCC010

Tgt Ion: 94 Resp: 91858

Ion Ratio Lower Upper

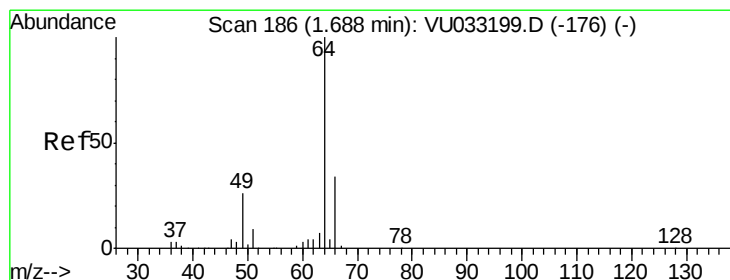
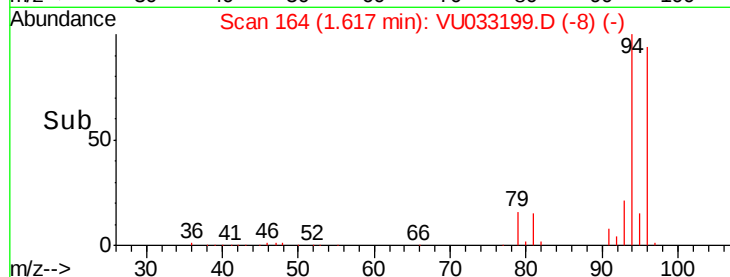
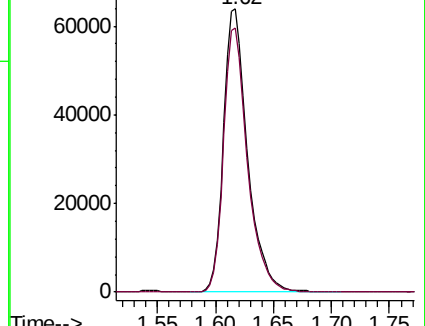
94 100

96 93.5 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VU033199.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033199.D (-152) (-)



#6

Chloroethane

Concen: 8.993 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033199.D

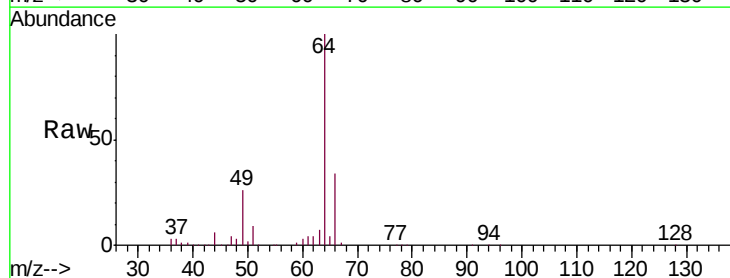
Acq: 11 Jul 2019 18:42

Tgt Ion: 64 Resp: 95339

Ion Ratio Lower Upper

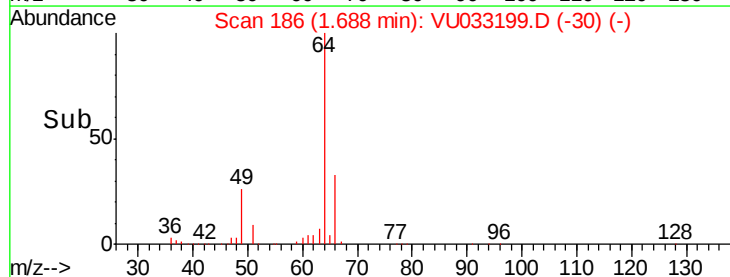
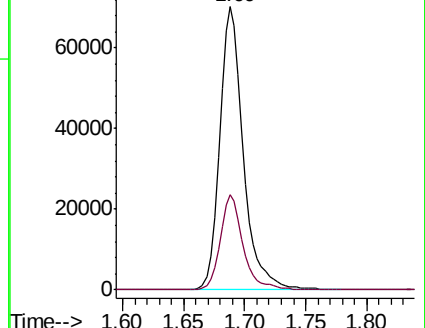
64 100

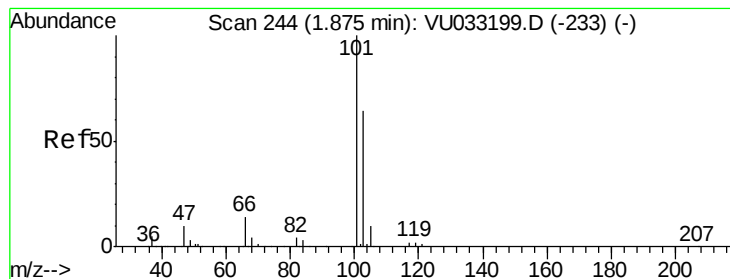
66 33.7 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU033199.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033199.D (-176) (-)



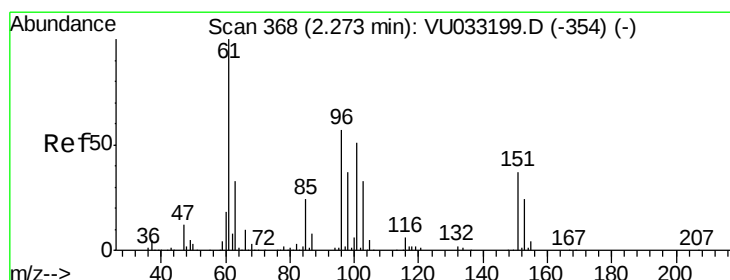
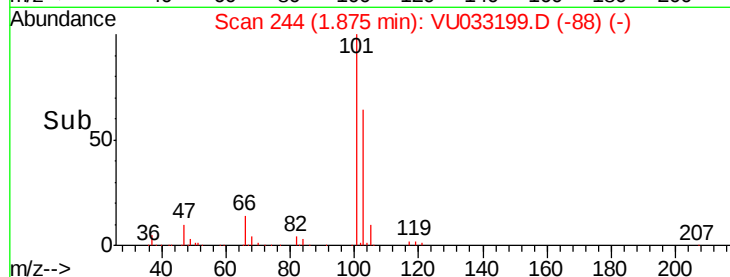
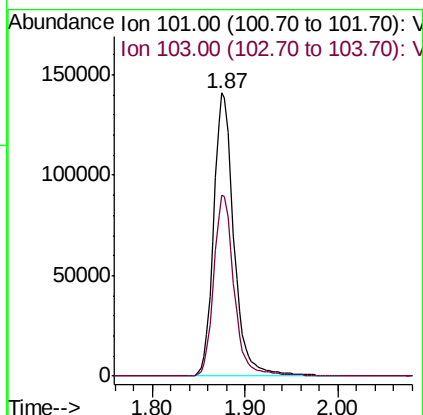
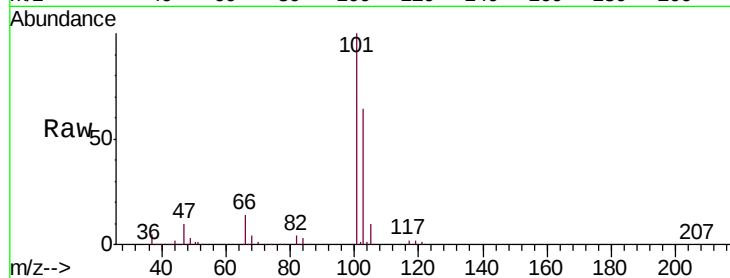


#7

Trichlorofluoromethane
 Concen: 9.367 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VU033199.D
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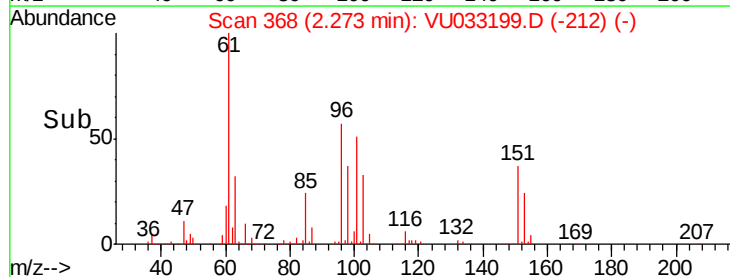
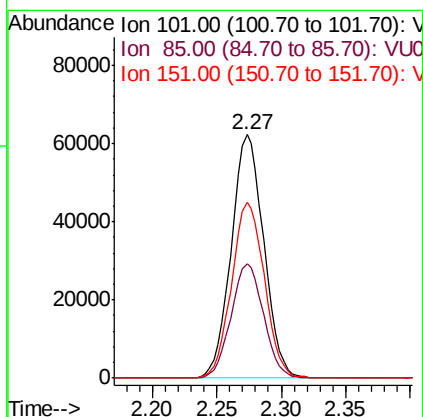
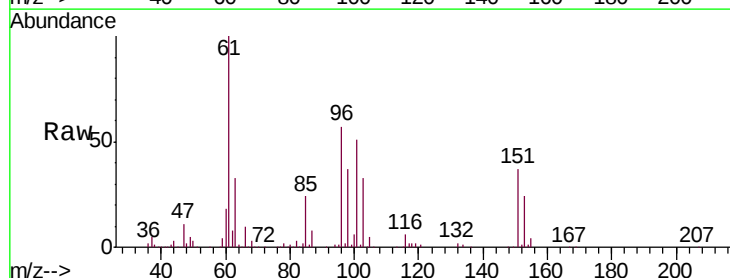
Tgt Ion:101 Resp: 214373
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6

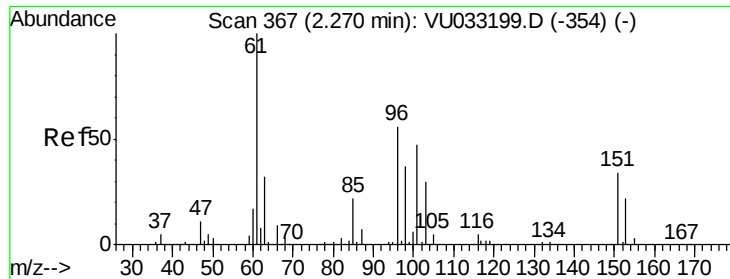


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.420 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion:101 Resp: 108942
 Ion Ratio Lower Upper
 101 100
 85 47.1 37.7 56.5
 151 72.7 58.2 87.2





#9

1,1-Dichloroethene

Concen: 9.191 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

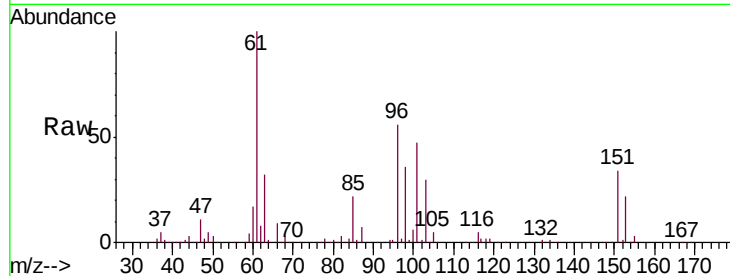
Tgt Ion: 96 Resp: 107757

Ion Ratio Lower Upper

96 100

61 177.9 0.0 533.7

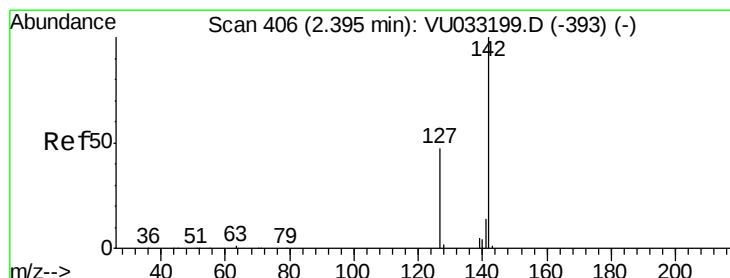
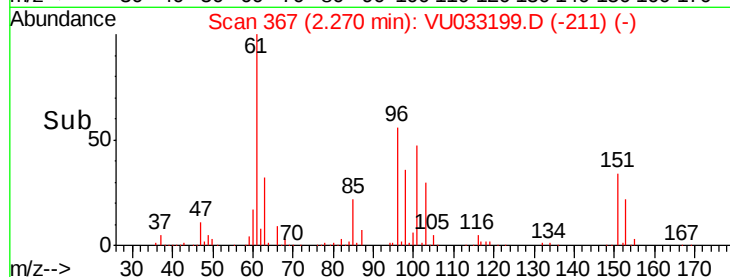
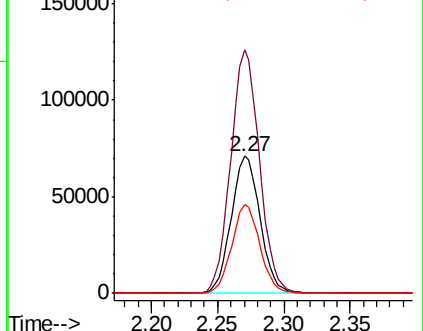
98 64.9 0.0 129.8



Abundance Ion 96.00 (95.70 to 96.70): VU033199.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033199.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-354) (-)



#10

Iodomethane

Concen: 9.243 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033199.D

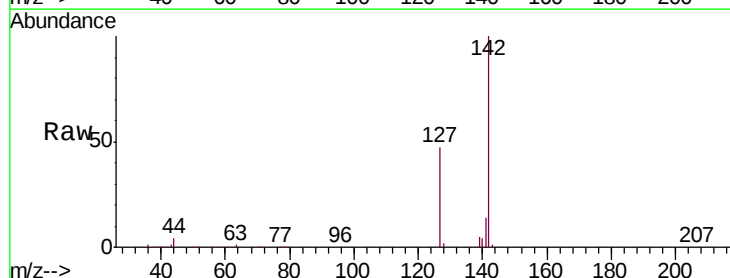
Acq: 11 Jul 2019 18:42

Tgt Ion: 142 Resp: 144758

Ion Ratio Lower Upper

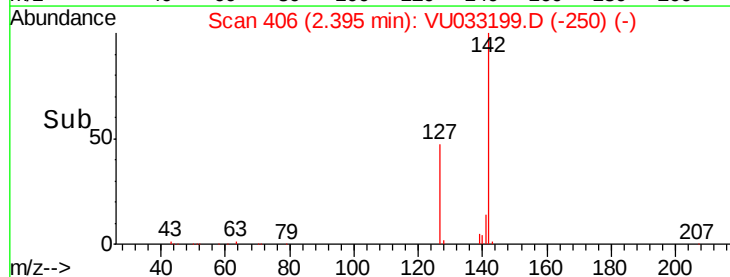
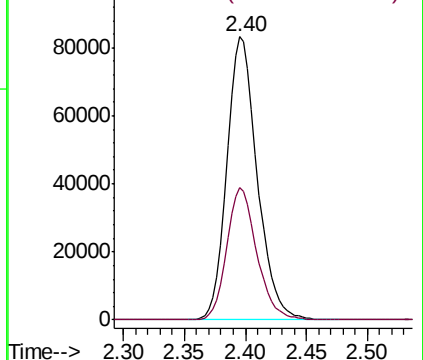
142 100

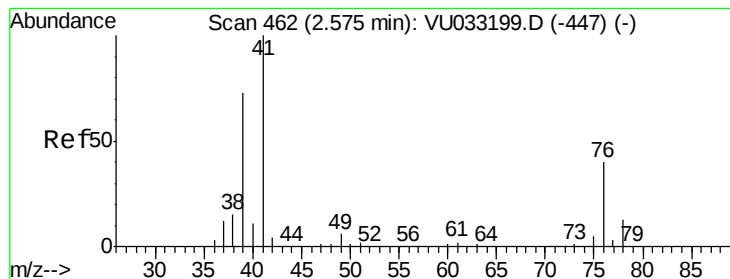
127 46.2 37.0 55.4



Abundance Ion 142.00 (141.70 to 142.70): VU033199.D (-393) (-)

Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)





#11

Allyl Chloride

Concen: 8.929 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

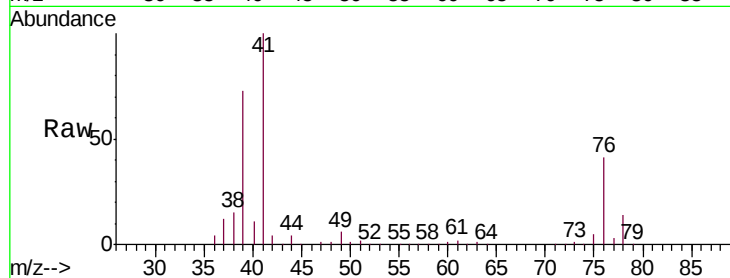
VSTDICCC010

Tgt Ion: 41 Resp: 180354

Ion Ratio Lower Upper

41 100

39 73.4 58.7 88.1



Abundance Ion 41.00 (40.70 to 41.70): VU033199.D (-447) (-)

Ion 39.00 (38.70 to 39.70): VU033199.D (-447) (-)

2.58

120000

100000

80000

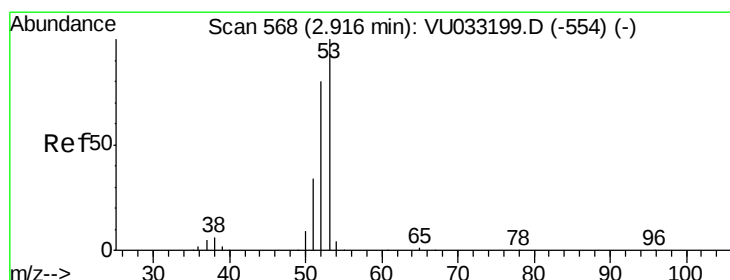
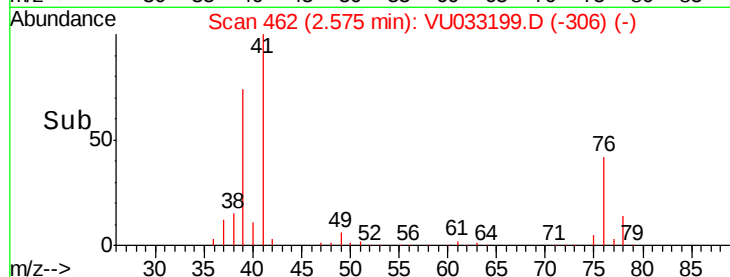
60000

40000

20000

0

Time-->



#12

Acrylonitrile

Concen: 18.359 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

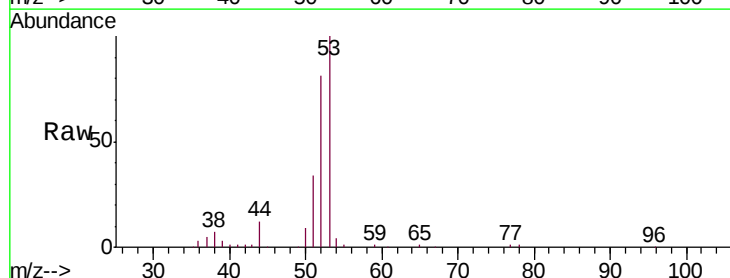
Tgt Ion: 53 Resp: 59962

Ion Ratio Lower Upper

53 100

52 85.4 68.3 102.5

51 35.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VU033199.D (-554) (-)

Ion 52.00 (51.70 to 52.70): VU033199.D (-554) (-)

Ion 51.00 (50.70 to 51.70): VU033199.D (-554) (-)

2.92

40000

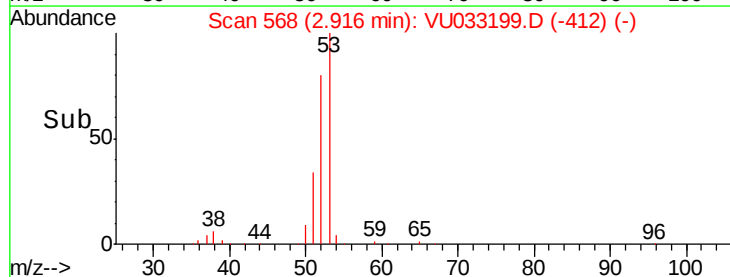
30000

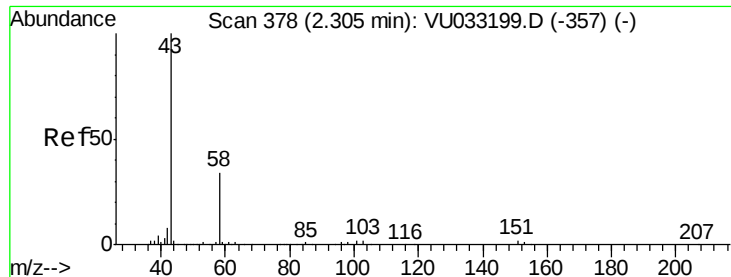
20000

10000

0

Time-->





#13

Acetone

Concen: 43.688 ug/l

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

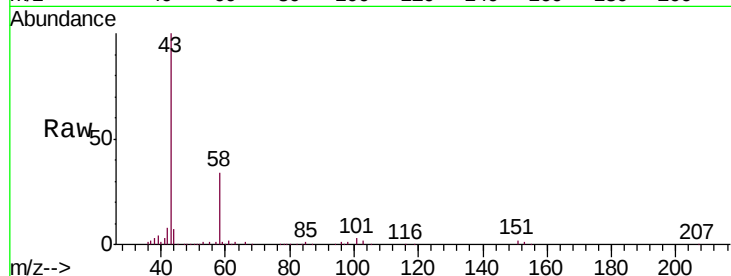
VSTDICCC010

Tgt Ion: 43 Resp: 126261

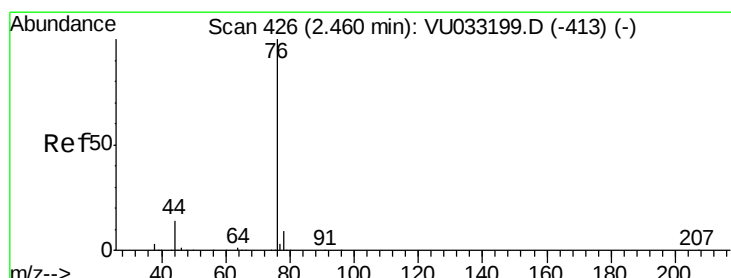
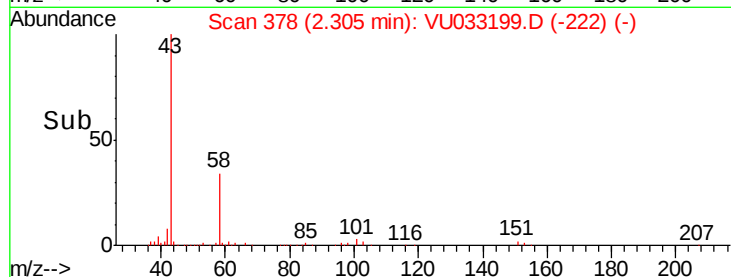
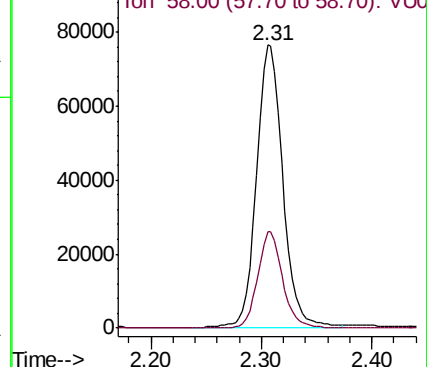
Ion Ratio Lower Upper

43 100

58 33.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU033199.D (-357) (-)



#14

Carbon Disulfide

Concen: 9.132 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033199.D

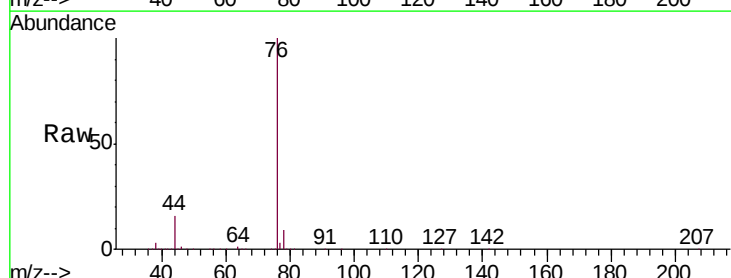
Acq: 11 Jul 2019 18:42

Tgt Ion: 76 Resp: 396214

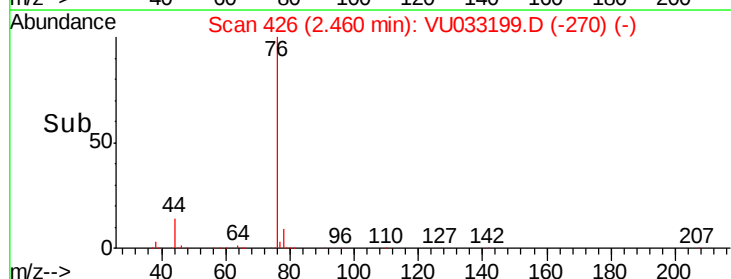
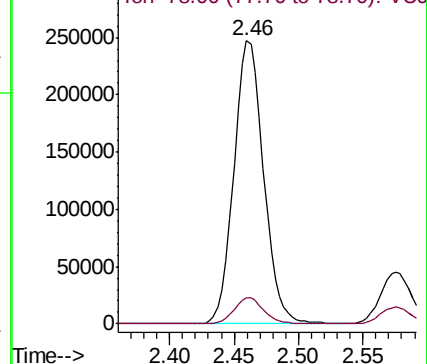
Ion Ratio Lower Upper

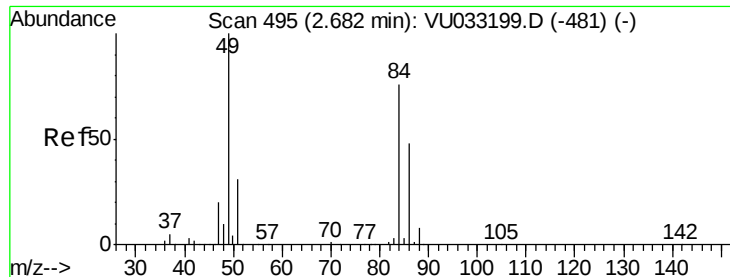
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033199.D (-413) (-)

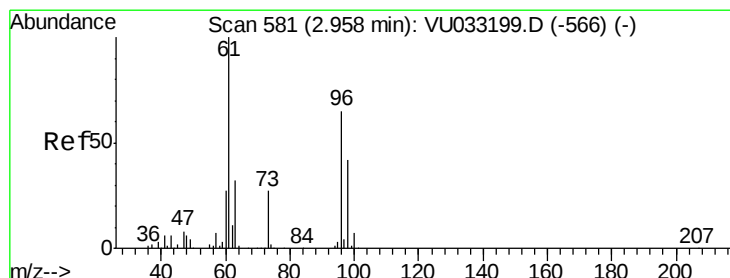
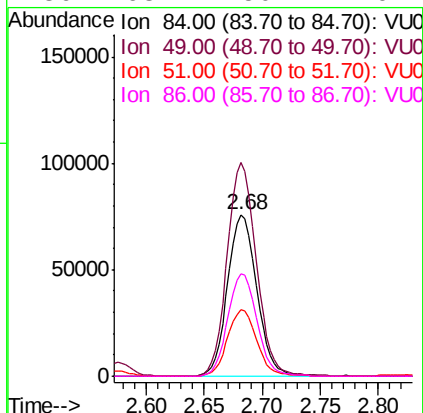
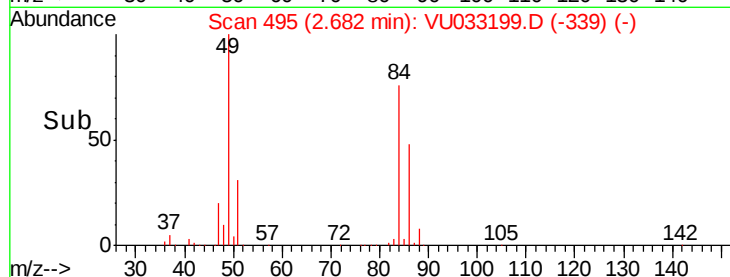
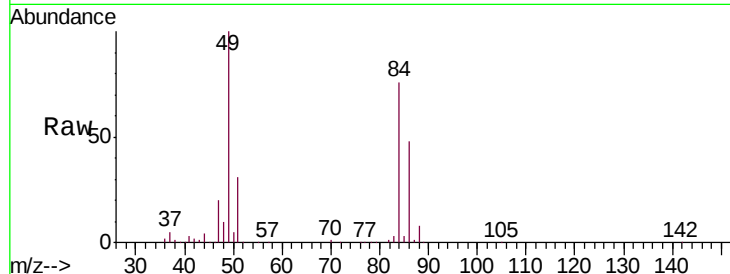




#15
Methylene Chloride
Concen: 8.821 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

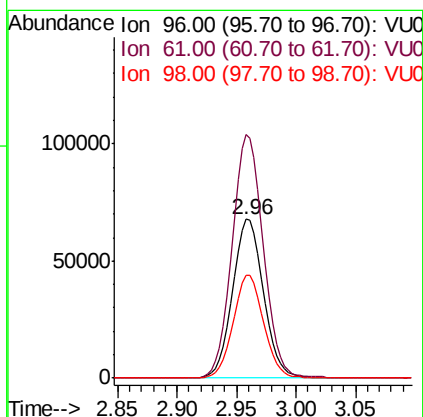
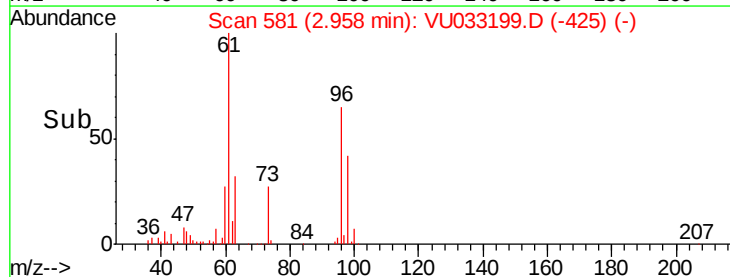
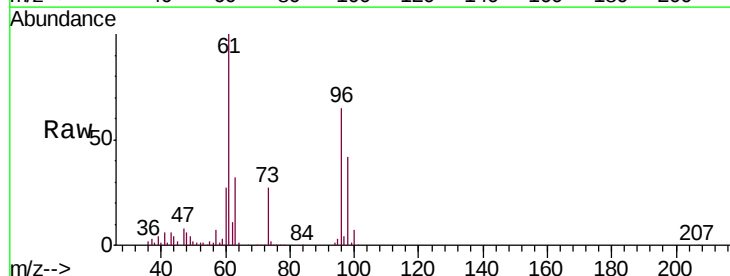
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

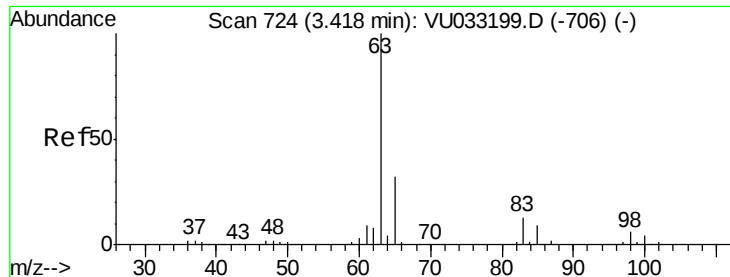
Tgt Ion: 84 Resp: 133256
Ion Ratio Lower Upper
84 100
49 132.3 105.8 158.8
51 41.0 0.0 82.0
86 63.4 50.7 76.1



#16
trans-1,2-Dichloroethene
Concen: 9.073 ug/l
RT: 2.96 min Scan# 581
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 96 Resp: 122380
Ion Ratio Lower Upper
96 100
61 153.3 122.6 184.0
98 65.0 52.0 78.0

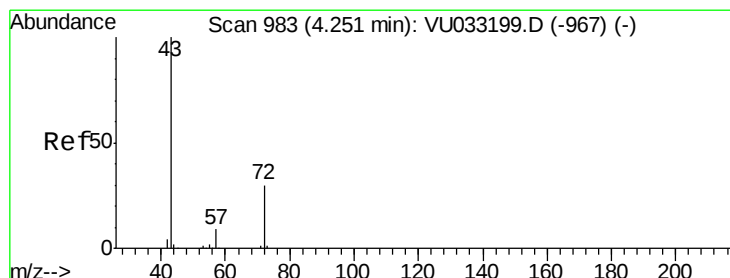
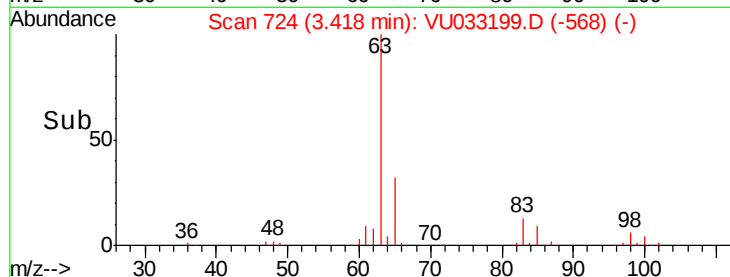
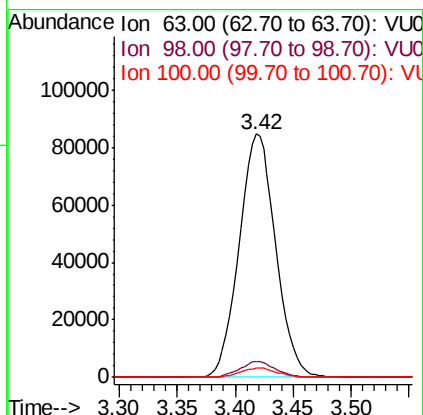
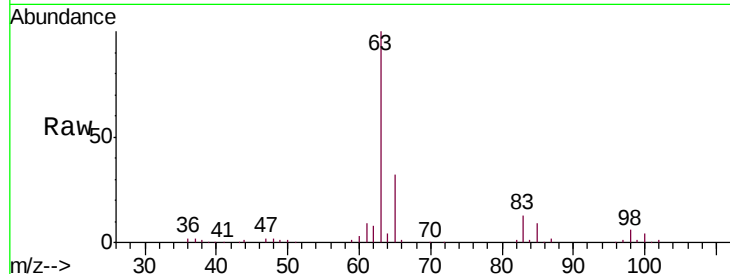




#17
 1,1-Dichloroethane
 Concen: 9.322 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

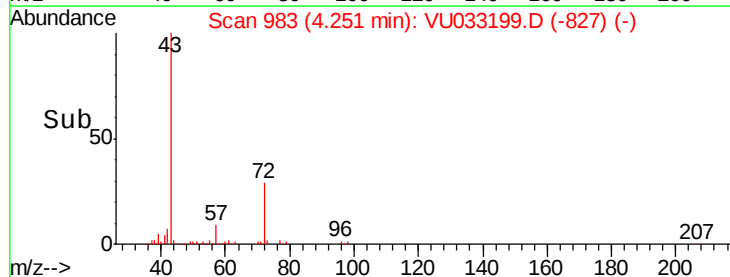
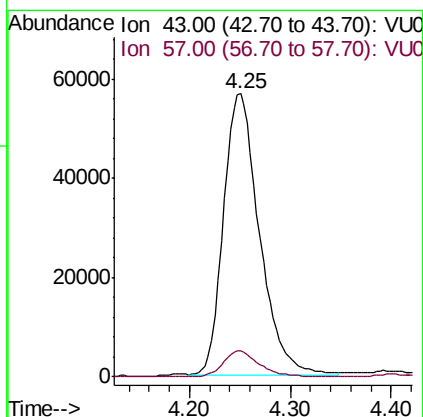
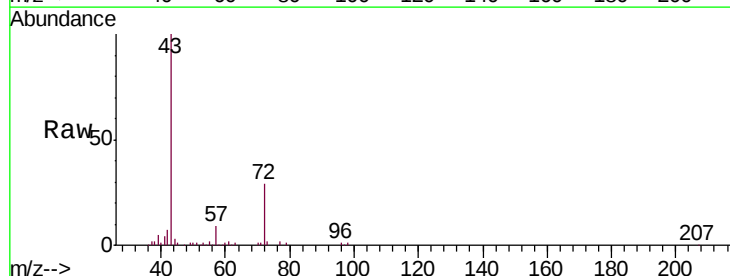
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

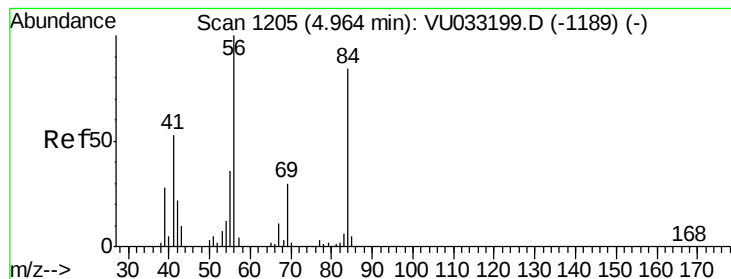
Tgt Ion: 63 Resp: 184949
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 3.6 1.8 5.4



#18
 2-Butanone
 Concen: 54.076 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 43 Resp: 140054
 Ion Ratio Lower Upper
 43 100
 57 9.2 0.0 18.4





#19

Cyclohexane

Concen: 8.885 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

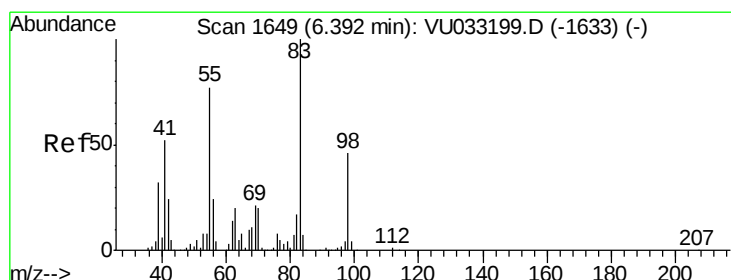
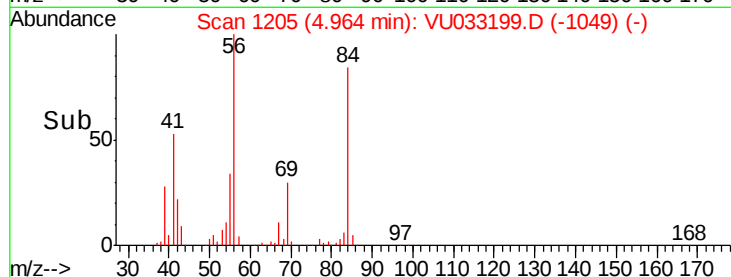
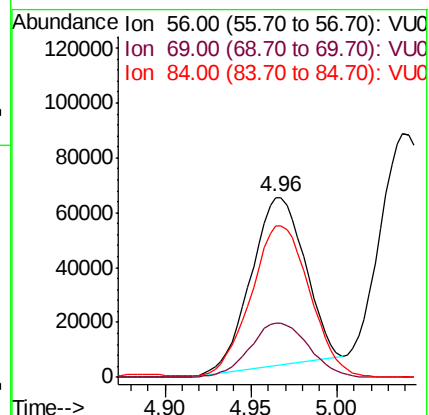
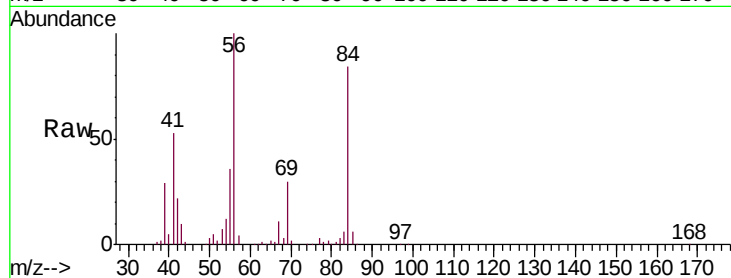
Tgt Ion: 56 Resp: 132967

Ion Ratio Lower Upper

56 100

69 35.7 24.6 37.0

84 98.0 67.5 101.3



#20

Methylcyclohexane

Concen: 11.119 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

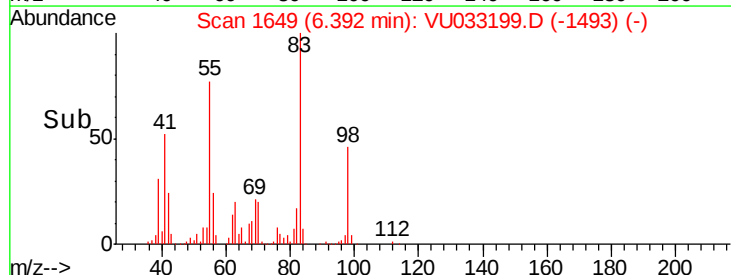
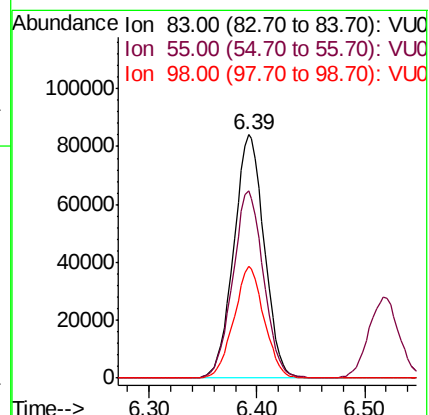
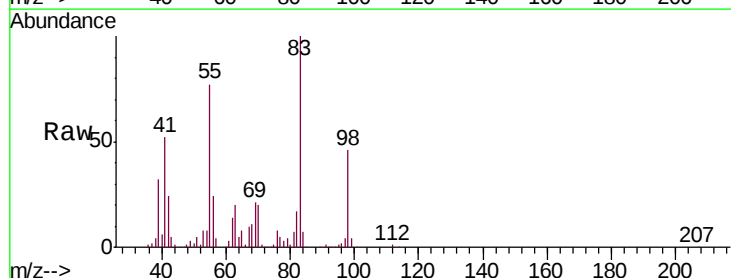
Tgt Ion: 83 Resp: 165074

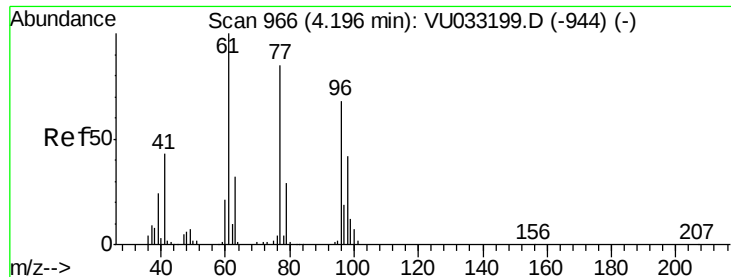
Ion Ratio Lower Upper

83 100

55 77.5 62.0 93.0

98 45.4 36.3 54.5

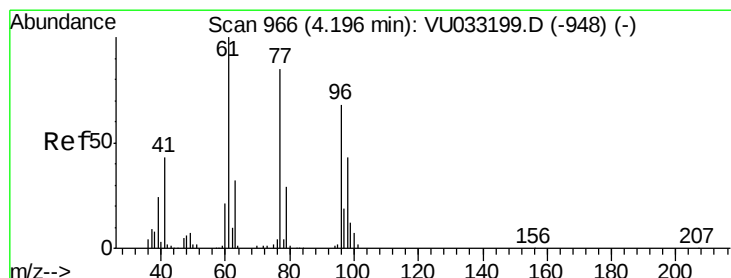
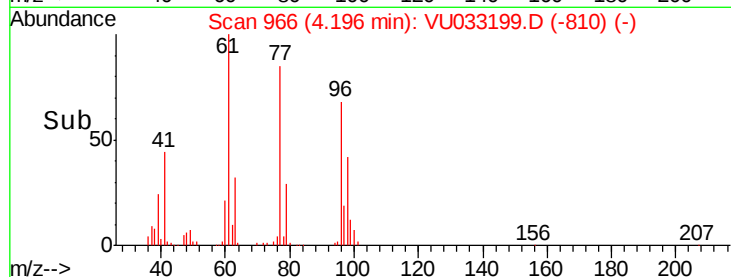
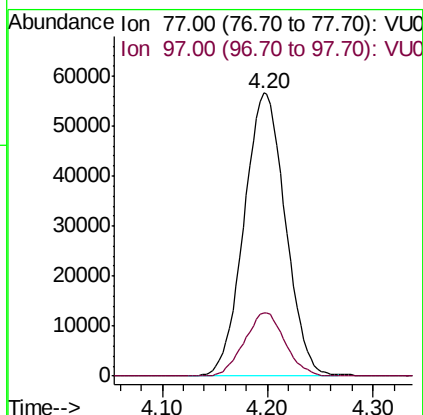
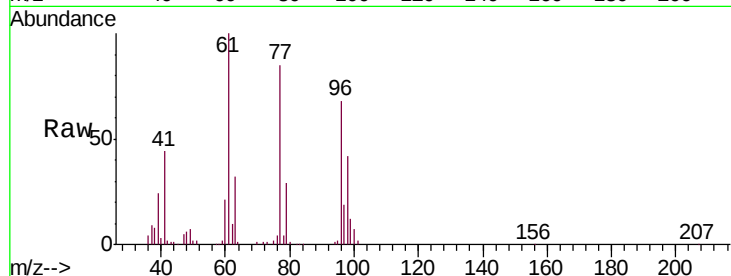




#21
 2,2-Dichloropropane
 Concen: 8.927 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

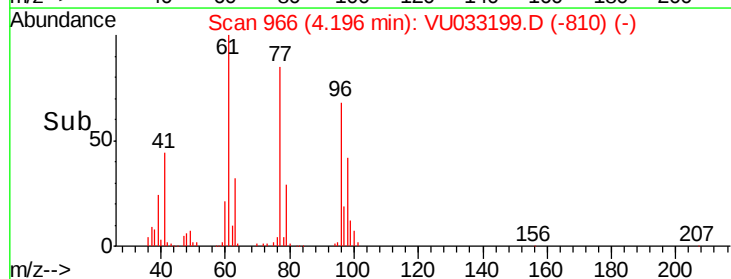
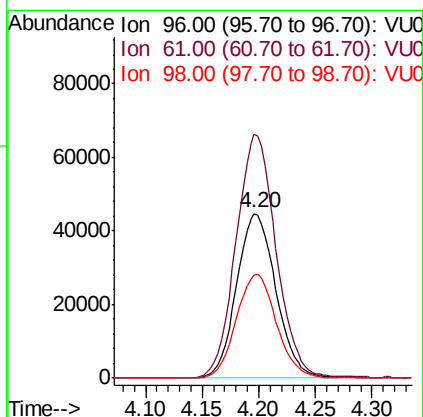
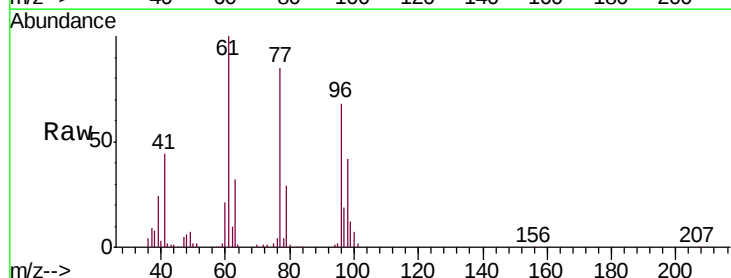
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

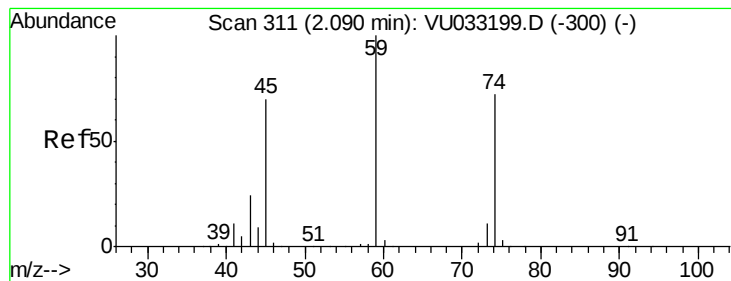
Tgt Ion: 77 Resp: 154458
 Ion Ratio Lower Upper
 77 100
 97 22.0 17.6 26.4



#22
 cis-1,2-Dichloroethene
 Concen: 9.852 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 96 Resp: 108368
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 377.3
 98 64.5 32.3 96.8





#23

Diethyl Ether

Concen: 9.508 ug/l

RT: 2.09 min Scan# 311

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

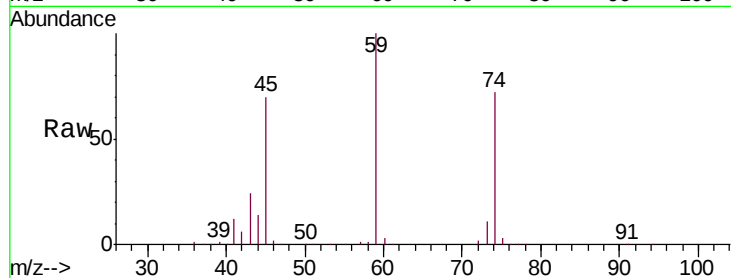
Tgt Ion: 59 Resp: 94098

Ion Ratio Lower Upper

59 100

45 69.6 55.7 83.5

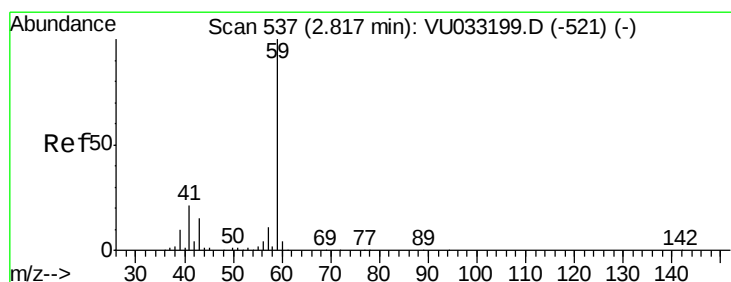
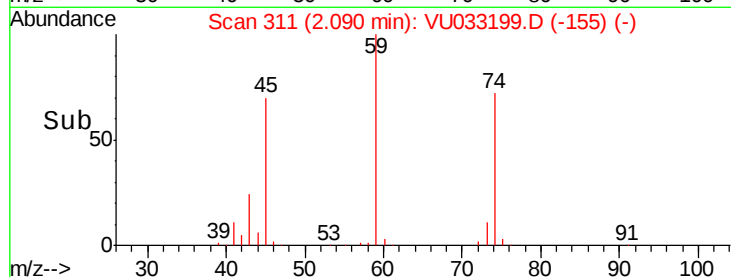
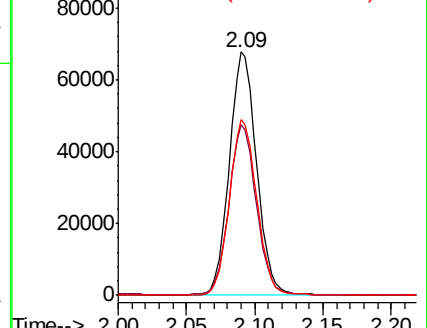
74 72.6 58.1 87.1



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-300) (-)

Ion 45.00 (44.70 to 45.70): VU033199.D (-300) (-)

Ion 74.00 (73.70 to 74.70): VU033199.D (-300) (-)



#24

tert-Butyl Alcohol

Concen: 91.427 ug/l

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VU033199.D

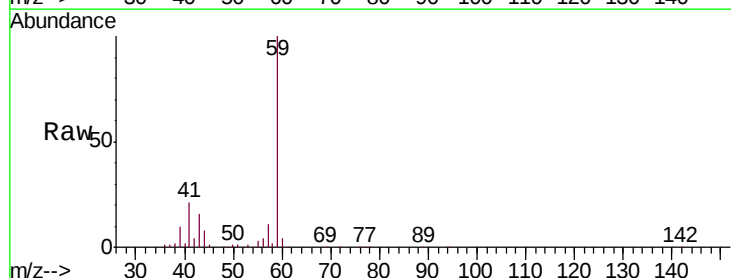
Acq: 11 Jul 2019 18:42

Tgt Ion: 59 Resp: 115212

Ion Ratio Lower Upper

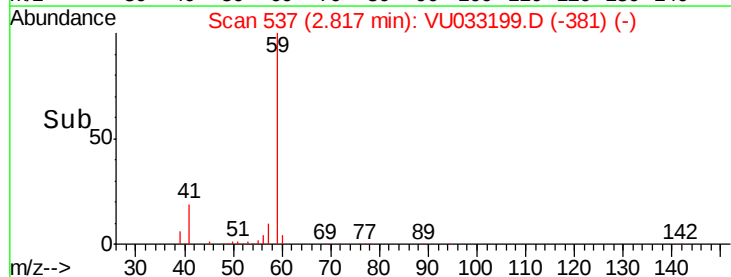
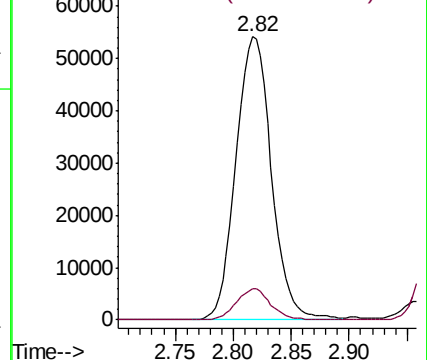
59 100

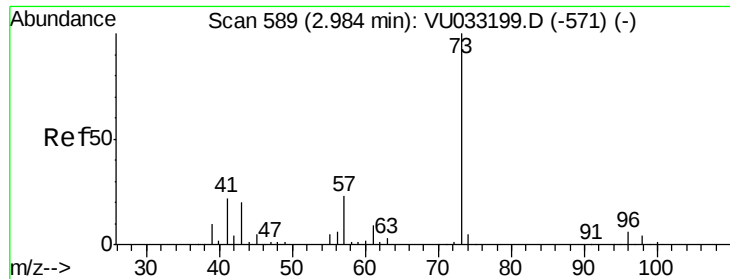
57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-521) (-)

Ion 57.00 (56.70 to 57.70): VU033199.D (-521) (-)

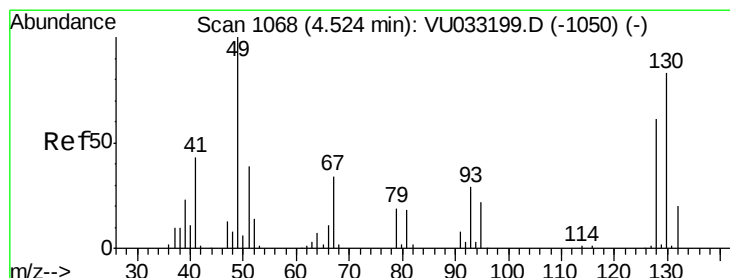
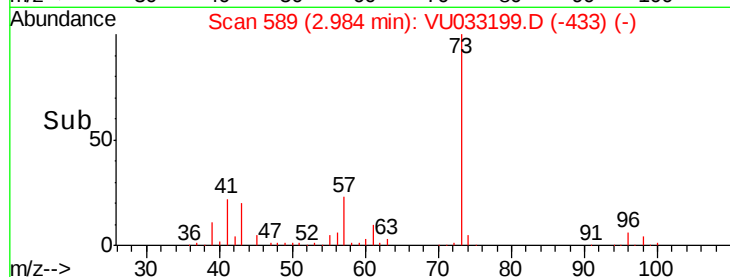
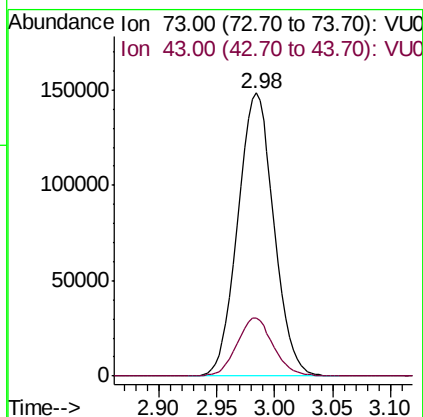
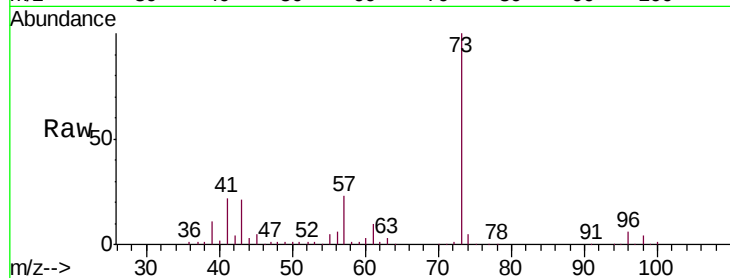




#25
Methyl tert-Butyl Ether
Concen: 9.603 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

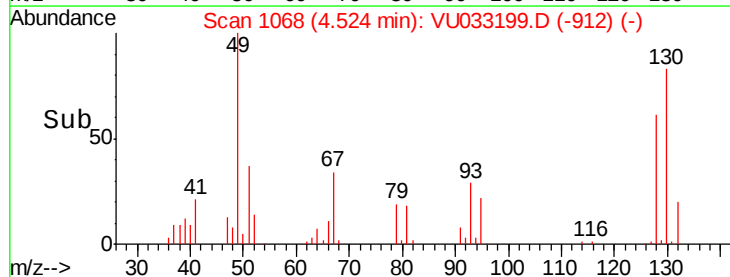
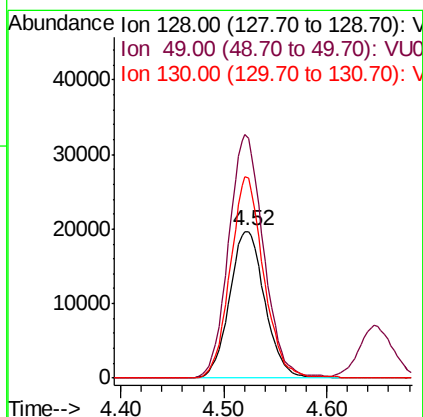
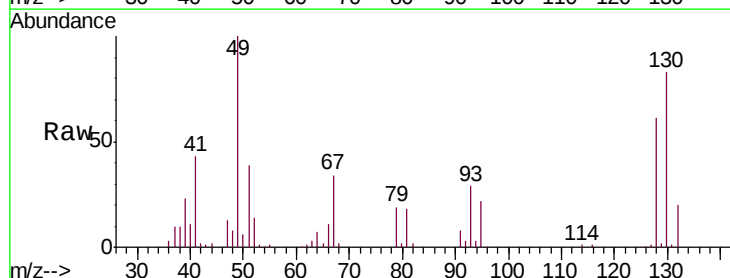
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

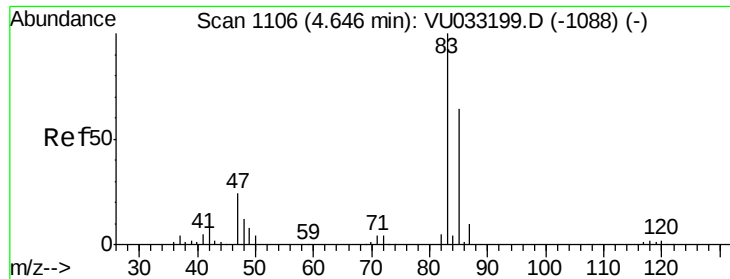
Tgt Ion: 73 Resp: 320758
Ion Ratio Lower Upper
73 100
43 20.1 16.1 24.1



#26
Bromochloromethane
Concen: 9.572 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 128 Resp: 46905
Ion Ratio Lower Upper
128 100
49 164.3 0.0 328.6
130 130.1 104.1 156.1

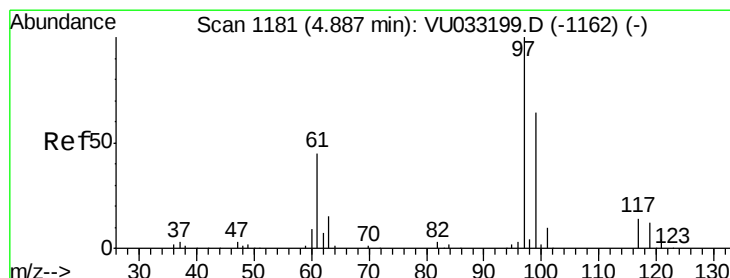
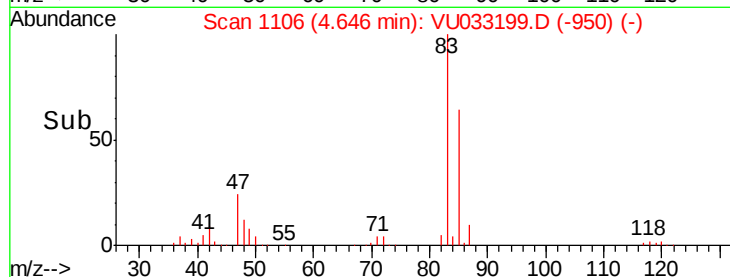
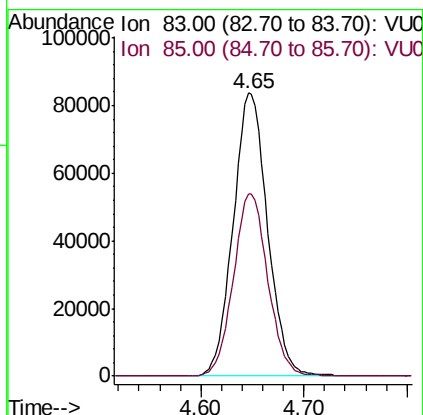
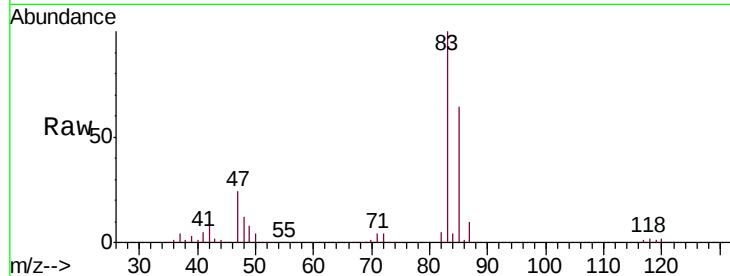




#27
Chloroform
Concen: 8.756 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

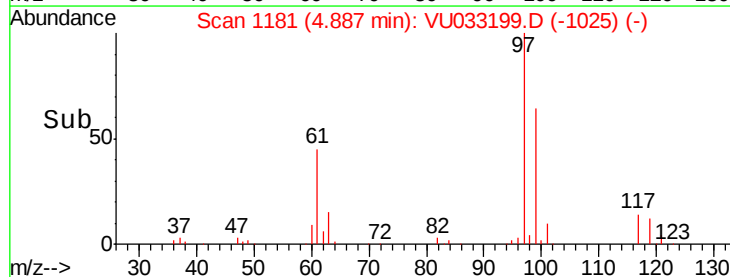
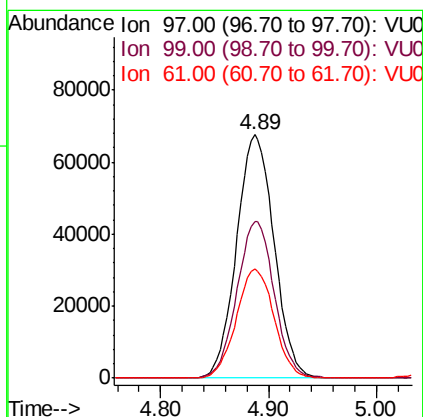
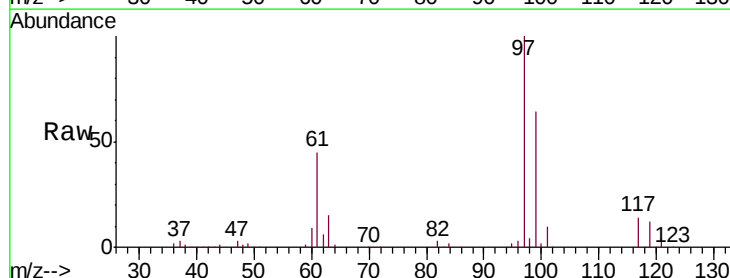
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

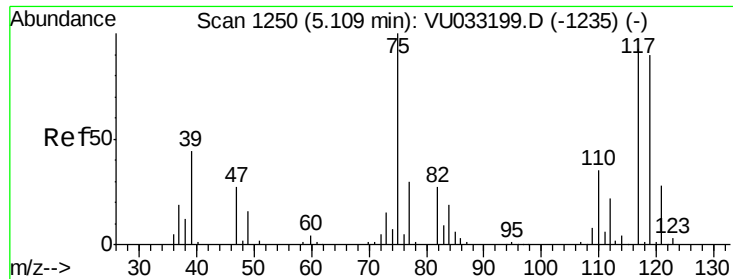
Tgt Ion: 83 Resp: 193878
Ion Ratio Lower Upper
83 100
85 64.2 0.0 128.4



#28
1,1,1-Trichloroethane
Concen: 9.439 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 97 Resp: 163746
Ion Ratio Lower Upper
97 100
99 63.7 31.9 95.5
61 45.1 22.6 67.7

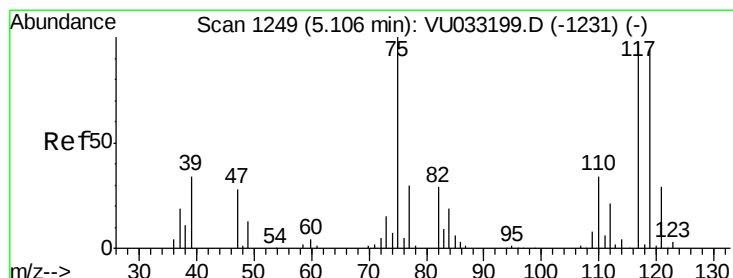
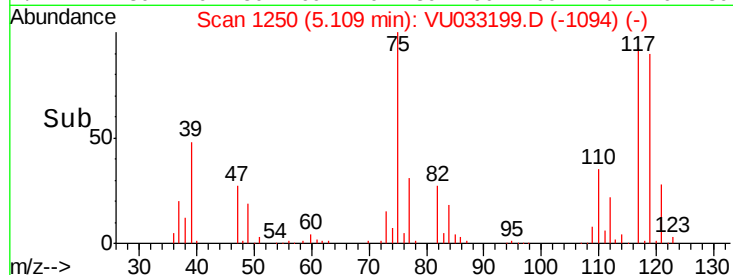
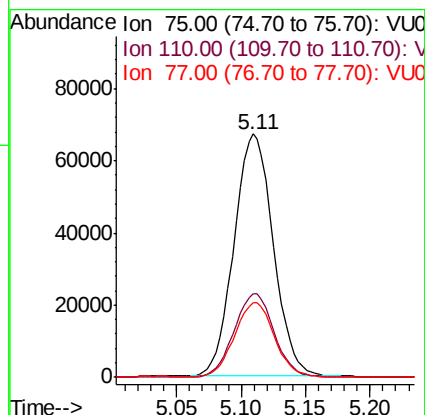
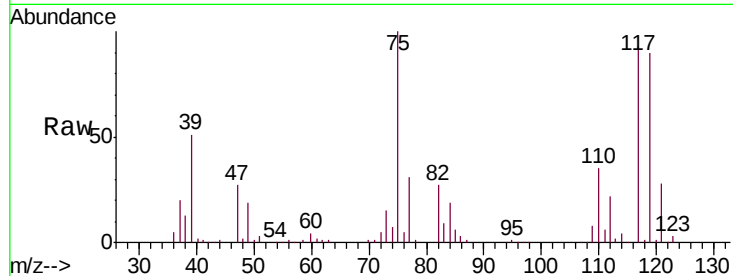




#29
 1,1-Dichloropropene
 Concen: 9.903 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

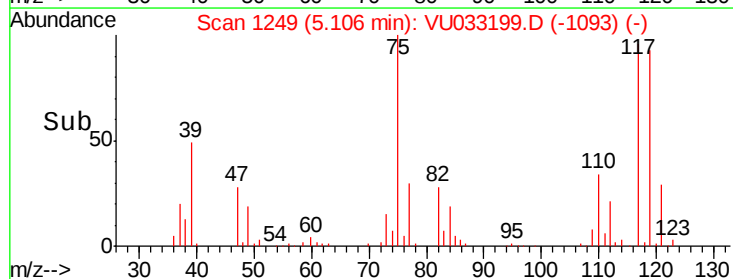
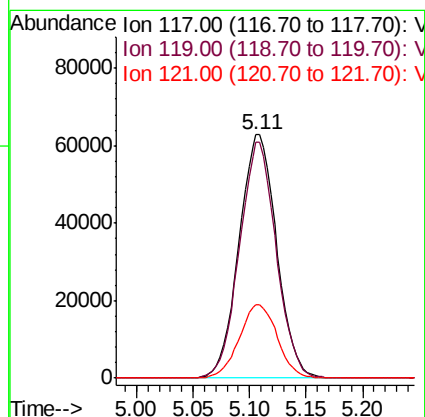
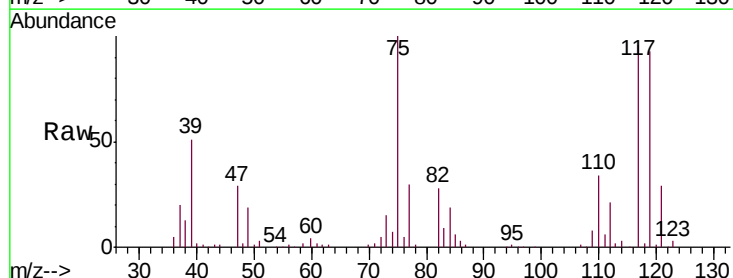
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

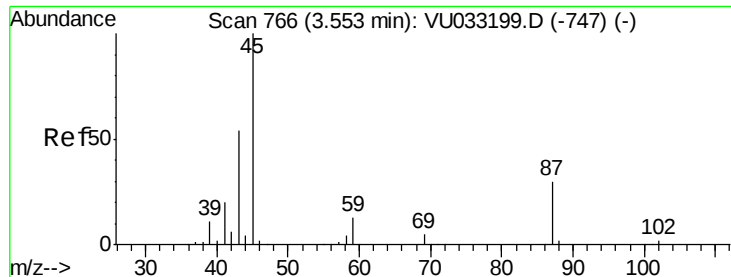
Tgt Ion: 75 Resp: 142170
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.5 52.6
 77 30.8 24.6 37.0



#30
 Carbon Tetrachloride
 Concen: 9.349 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 117 Resp: 145030
 Ion Ratio Lower Upper
 117 100
 119 96.7 77.4 116.0
 121 30.2 24.2 36.2





#31

Isopropyl Ether

Concen: 9.869 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

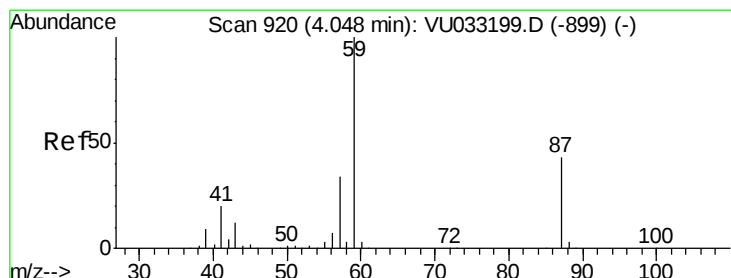
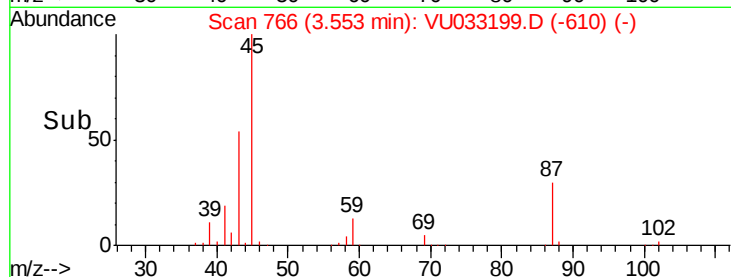
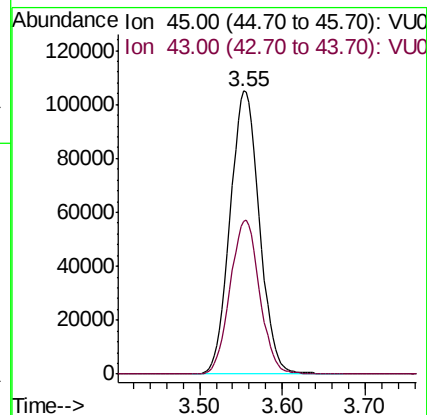
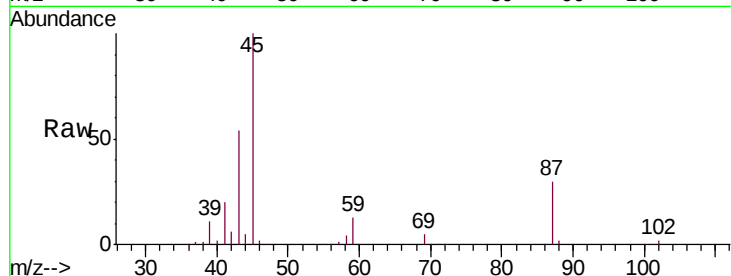
VSTDICCC010

Tgt Ion: 45 Resp: 258661

Ion Ratio Lower Upper

45 100

43 54.5 27.3 81.8



#32

Ethyl-t-butyl ether

Concen: 10.217 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033199.D

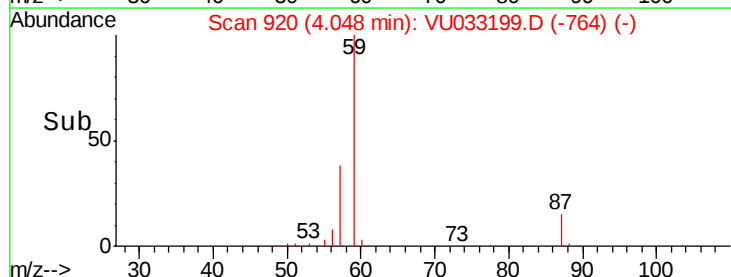
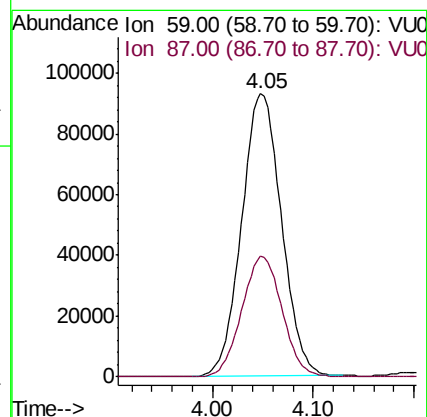
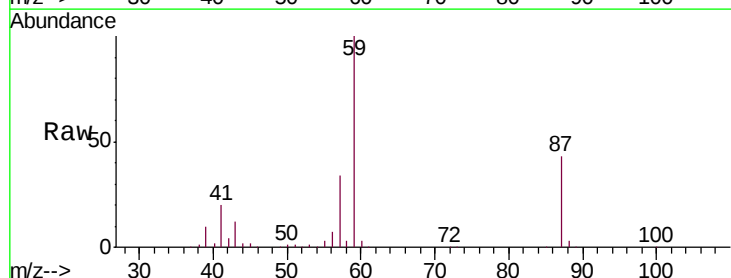
Acq: 11 Jul 2019 18:42

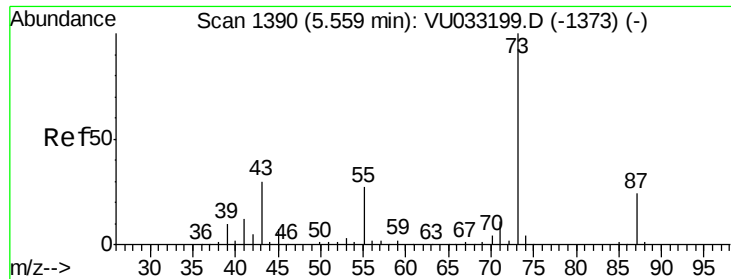
Tgt Ion: 59 Resp: 255281

Ion Ratio Lower Upper

59 100

87 43.1 34.5 51.7

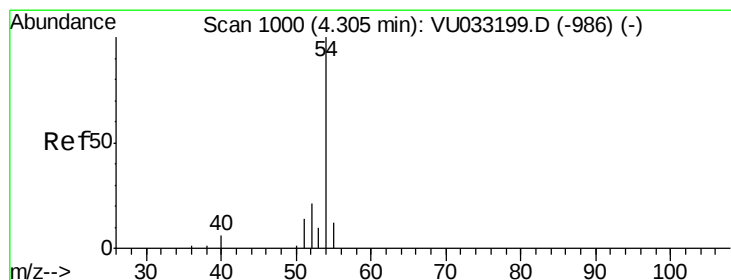
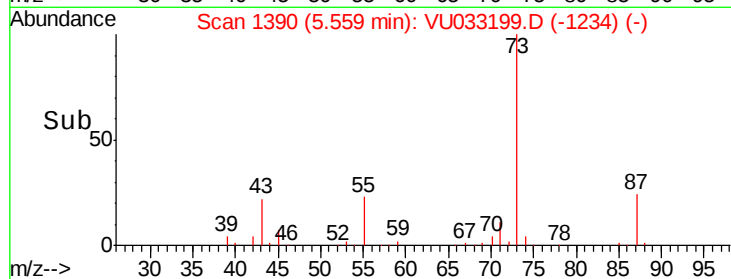
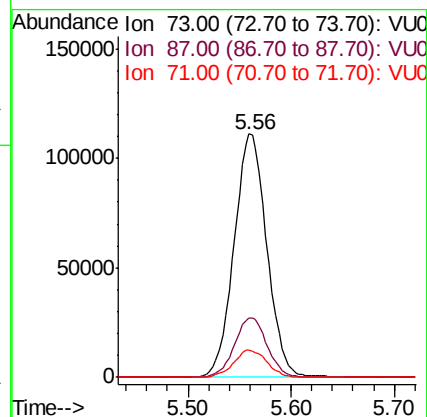
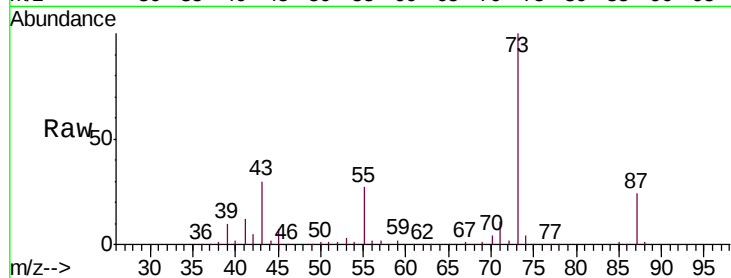




#33
Tert-Amyl methyl ether
Concen: 10.842 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

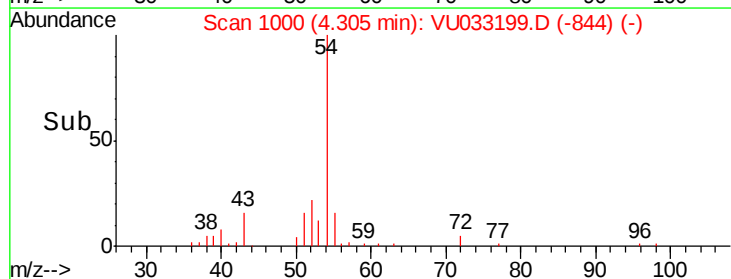
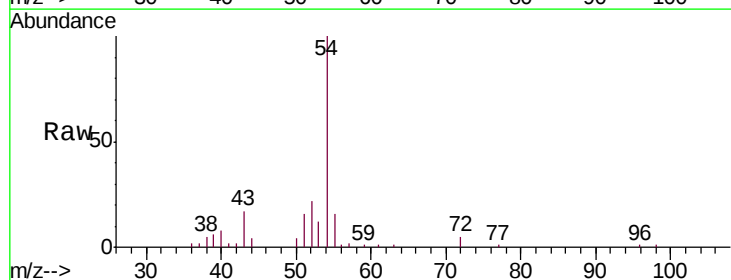
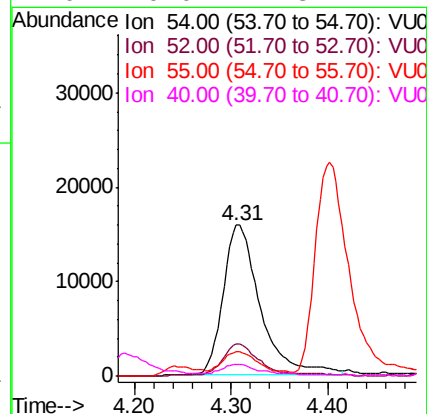
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

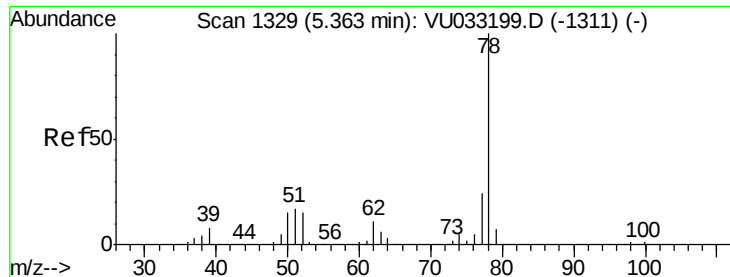
Tgt Ion: 73 Resp: 244254
Ion Ratio Lower Upper
73 100
87 24.7 19.8 29.6
71 11.4 9.1 13.7



#34
Propionitrile
Concen: 56.165 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 54 Resp: 42111
Ion Ratio Lower Upper
54 100
52 20.9 16.7 25.1
55 16.1 12.9 19.3
40 6.0 4.8 7.2





#35

Benzene

Concen: 9.901 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

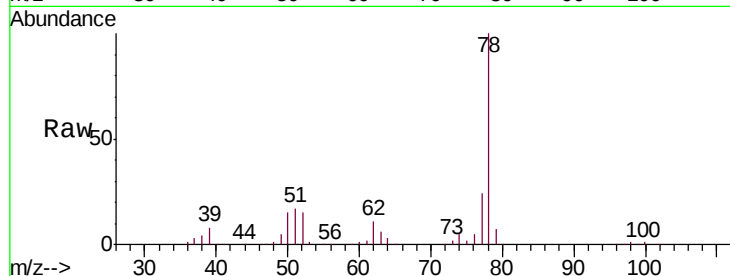
VSTDICCC010

Tgt Ion: 78 Resp: 413462

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)

5.36

200000

150000

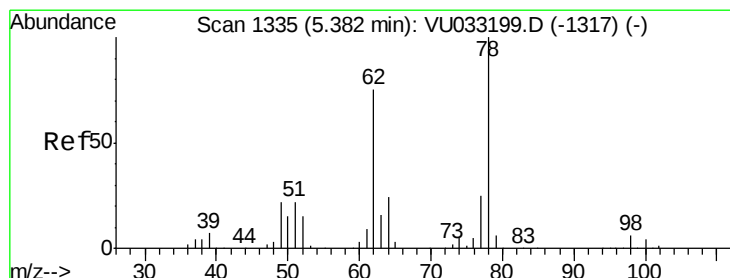
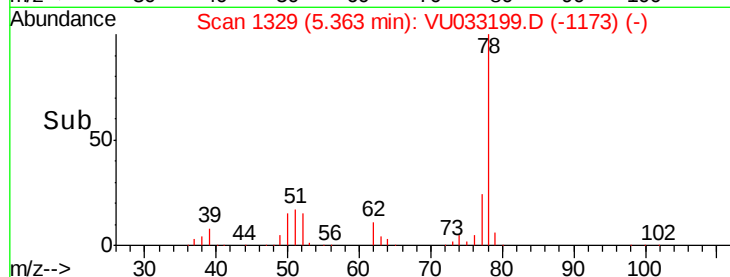
100000

50000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 9.688 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033199.D

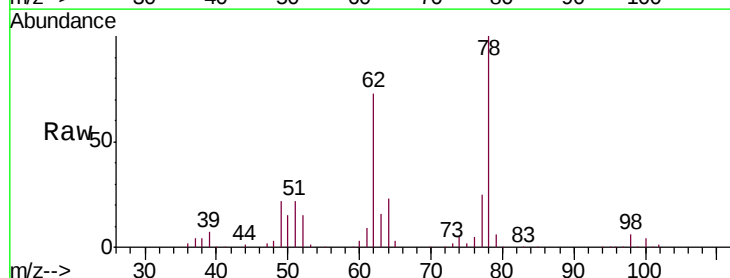
Acq: 11 Jul 2019 18:42

Tgt Ion: 62 Resp: 130620

Ion Ratio Lower Upper

62 100

98 8.4 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)

5.38

60000

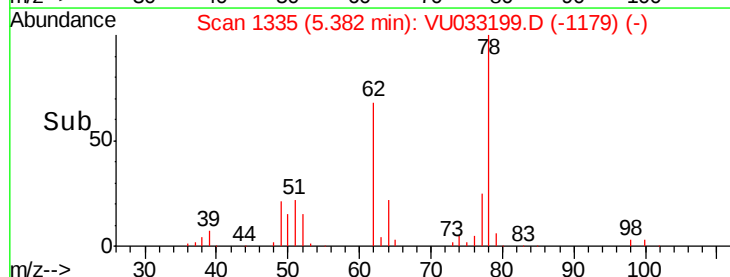
40000

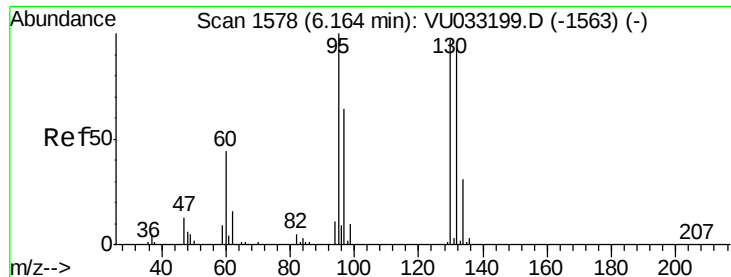
20000

0

5.30 5.40 5.50

Time-->

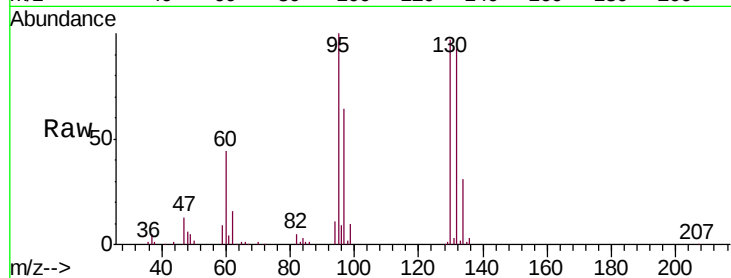




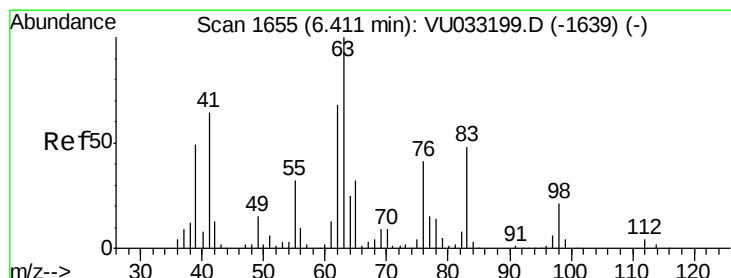
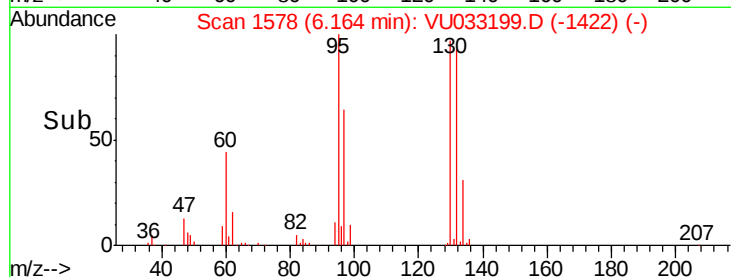
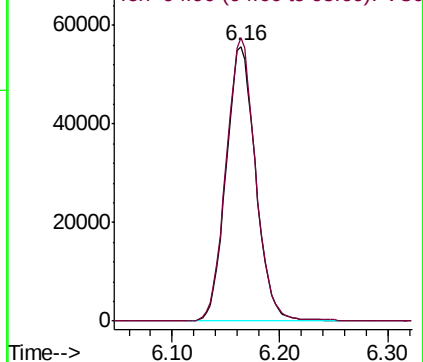
#37
 Trichloroethene
 Concen: 9.910 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 130 Resp: 106783
 Ion Ratio Lower Upper
 130 100
 95 103.0 82.4 123.6

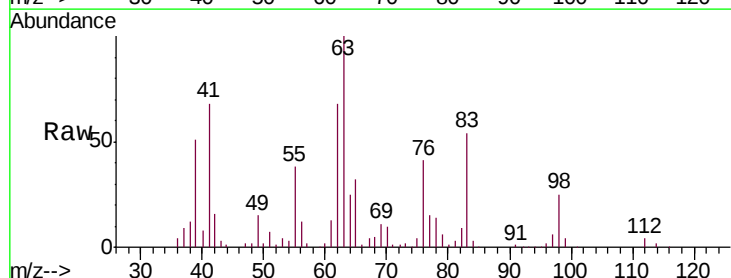


Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)
 Ion 94.90 (94.60 to 95.60): VU033199.D (-1563) (-)

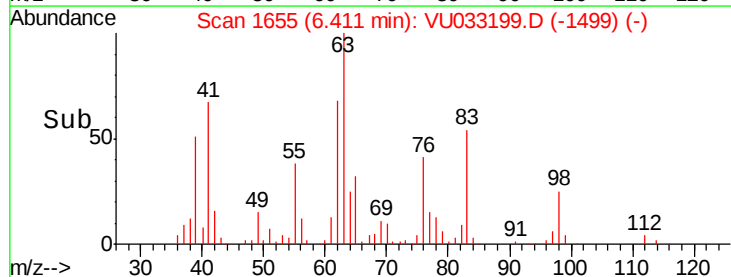
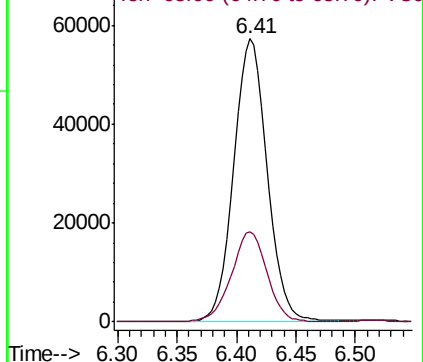


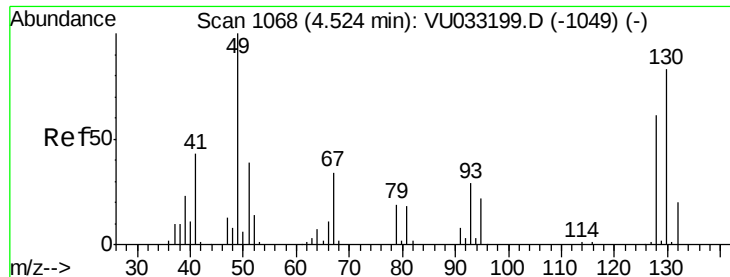
#38
 1,2-Dichloropropane
 Concen: 9.732 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 63 Resp: 111927
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)
 Ion 65.00 (64.70 to 65.70): VU033199.D (-1639) (-)

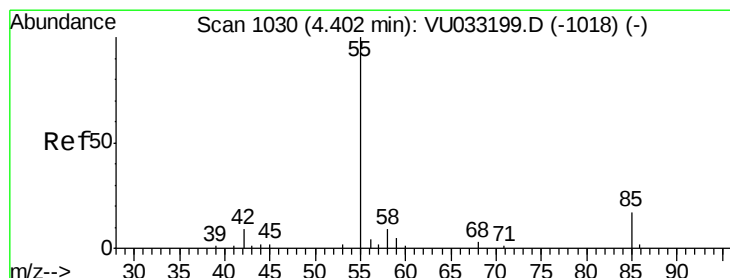
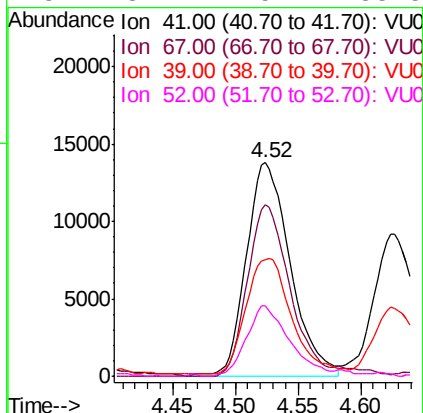
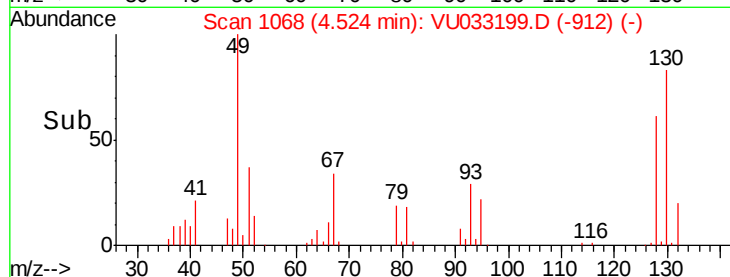
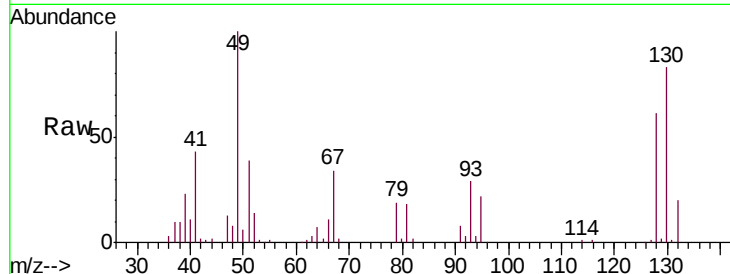




#39
Methacrylonitrile
Concen: 10.852 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

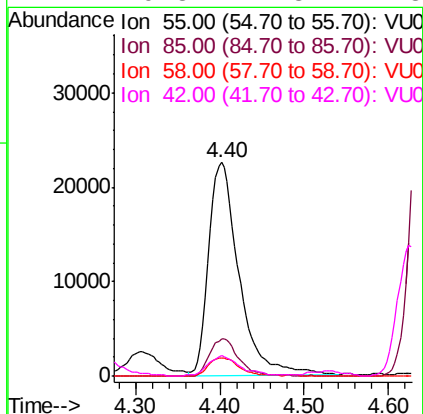
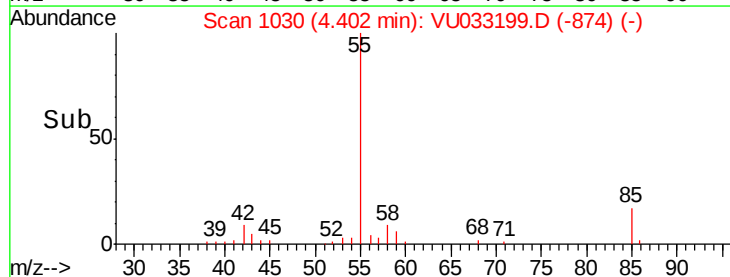
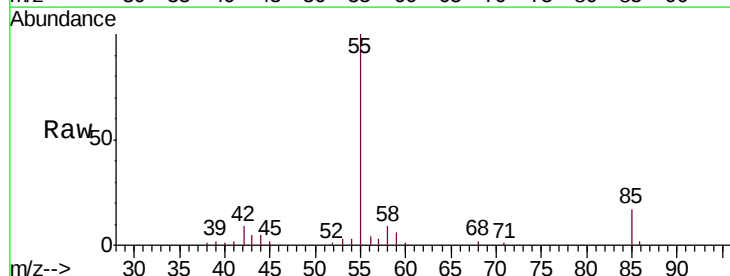
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

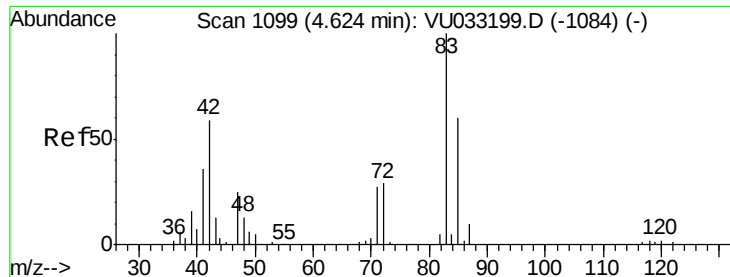
Tgt Ion:	41	Resp:	33756
Ion	Ratio	Lower	Upper
41	100		
67	76.2	61.0	91.4
39	55.5	44.4	66.6
52	32.1	25.7	38.5



#40
Methyl acrylate
Concen: 12.019 ug/l
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion:	55	Resp:	56395
Ion	Ratio	Lower	Upper
55	100		
85	16.3	13.0	19.6
58	8.7	7.0	10.4
42	9.8	7.8	11.8





#41

Tetrahydrofuran

Concen: 21.888 ug/l

RT: 4.62 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

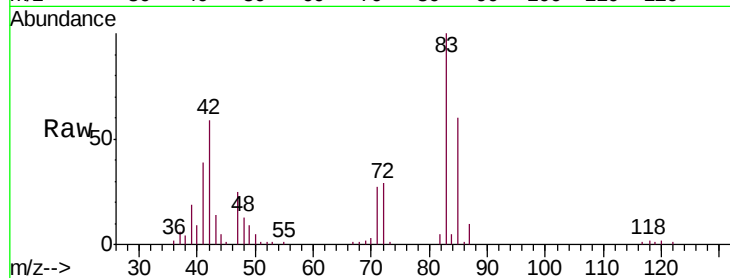
Tgt Ion: 42 Resp: 34727

Ion Ratio Lower Upper

42 100

72 50.9 40.7 61.1

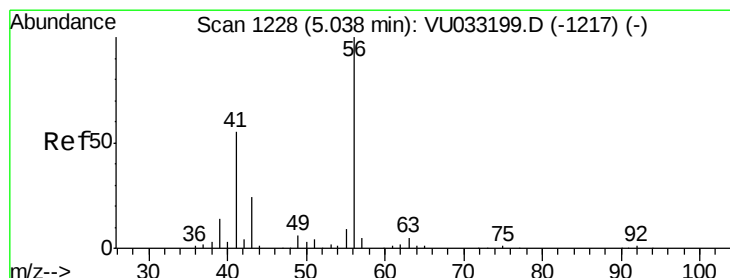
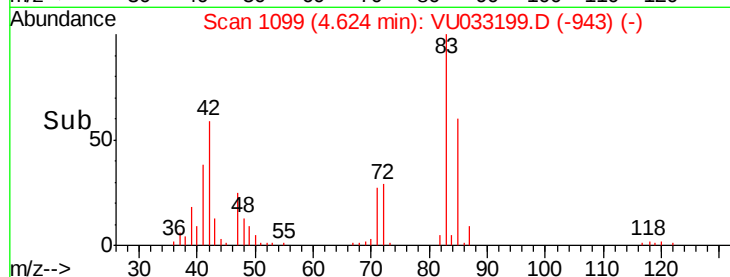
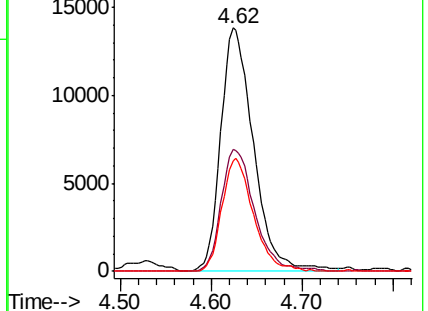
71 44.2 35.4 53.0



Abundance Ion 42.00 (41.70 to 42.70): VU033199.D (-1084) (-)

Ion 72.00 (71.70 to 72.70): VU033199.D (-1084) (-)

Ion 71.00 (70.70 to 71.70): VU033199.D (-1084) (-)



#42

1-Chlorobutane

Concen: 9.861 ug/l

RT: 5.04 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VU033199.D

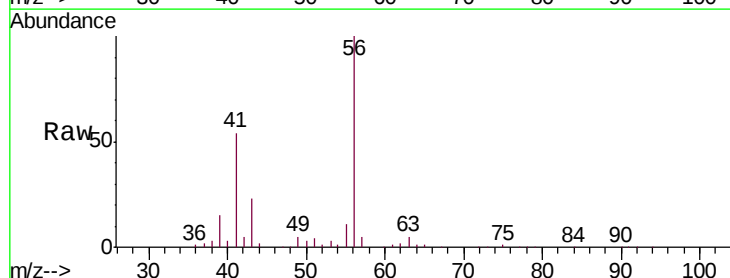
Acq: 11 Jul 2019 18:42

Tgt Ion: 56 Resp: 192391

Ion Ratio Lower Upper

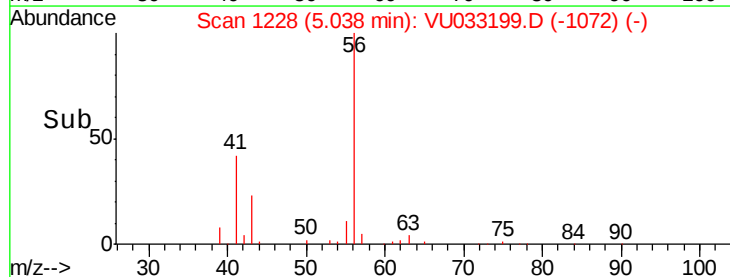
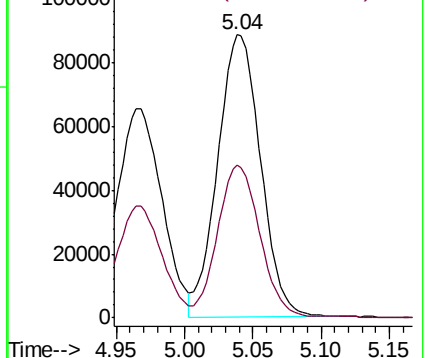
56 100

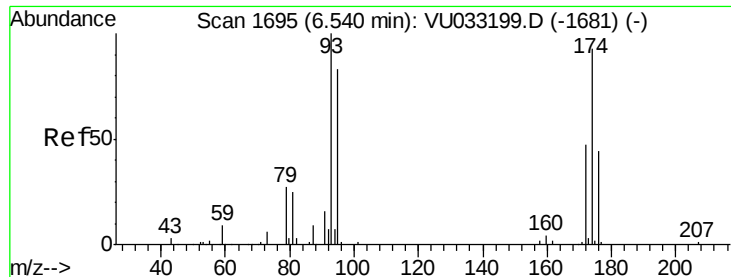
41 52.9 26.5 79.4



Abundance Ion 56.00 (55.70 to 56.70): VU033199.D (-1217) (-)

Ion 41.00 (40.70 to 41.70): VU033199.D (-1217) (-)





#43

Dibromomethane

Concen: 9.900 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

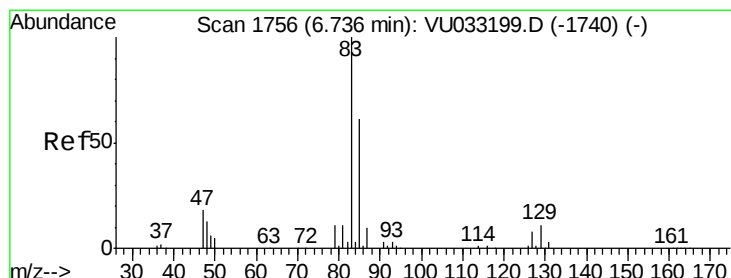
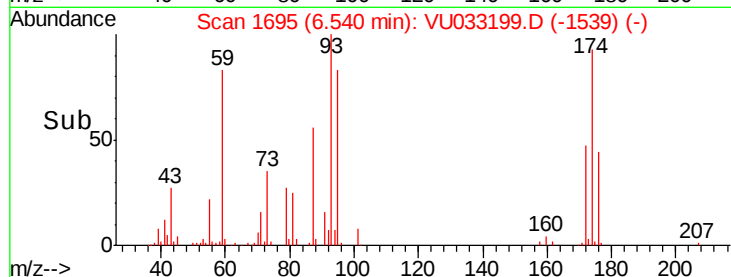
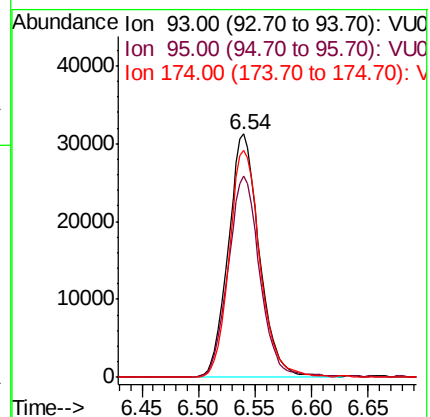
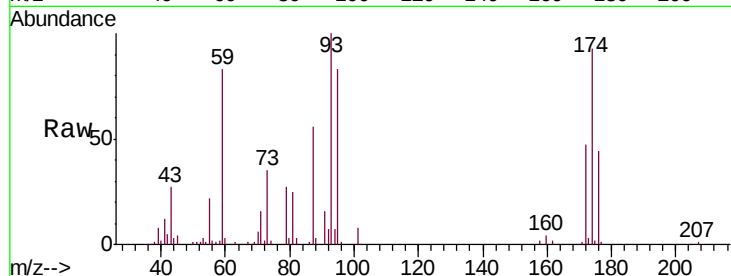
Tgt Ion: 93 Resp: 59715

Ion Ratio Lower Upper

93 100

95 84.4 67.5 101.3

174 92.7 74.2 111.2



#44

Bromodichloromethane

Concen: 9.601 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

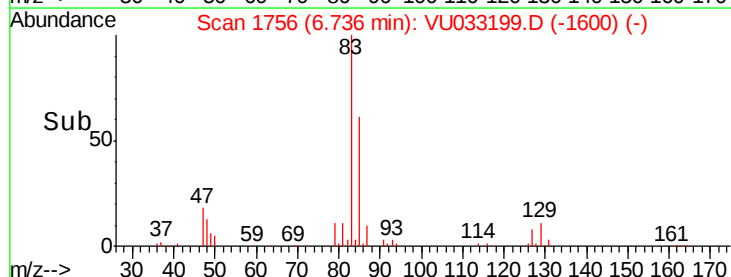
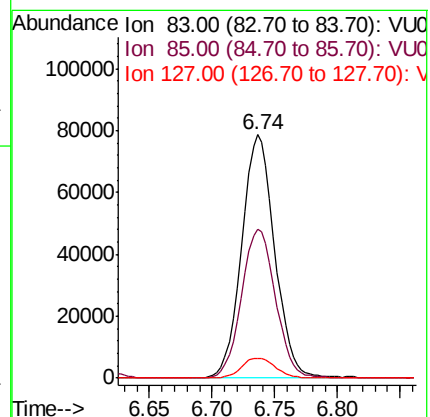
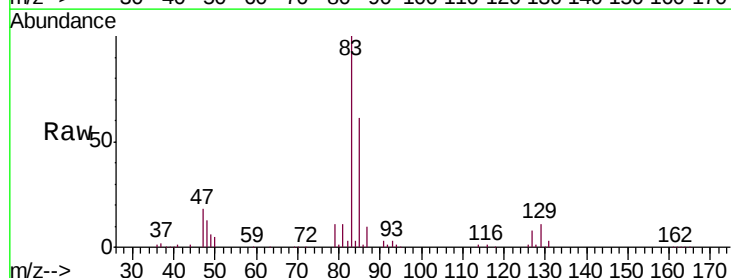
Tgt Ion: 83 Resp: 144191

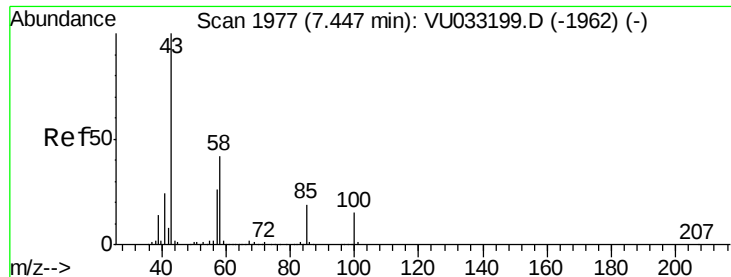
Ion Ratio Lower Upper

83 100

85 61.4 49.1 73.7

127 8.2 6.6 9.8

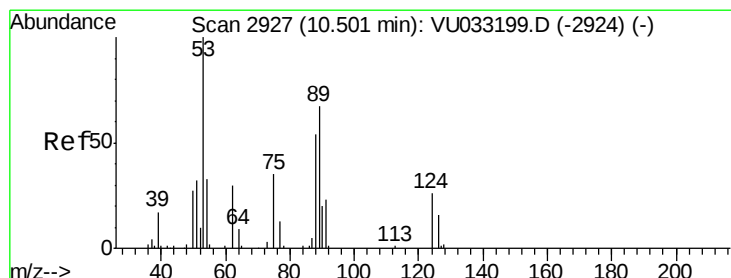
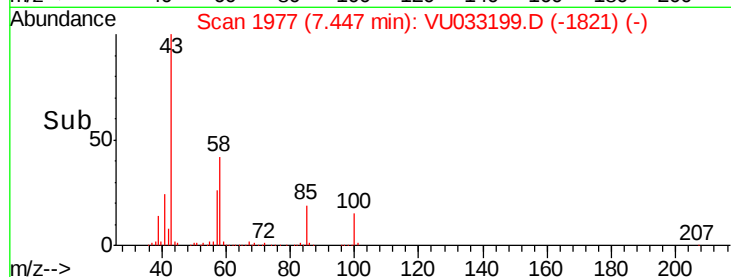
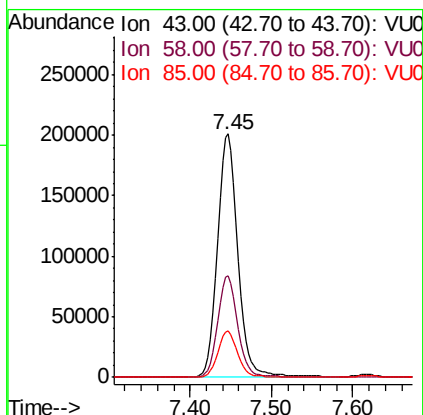
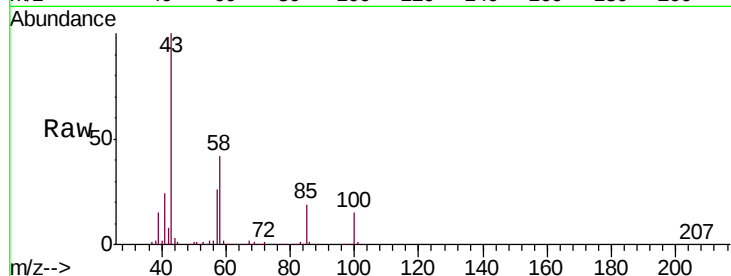




#45
4-Methyl-2-Pentanone
Concen: 55.959 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

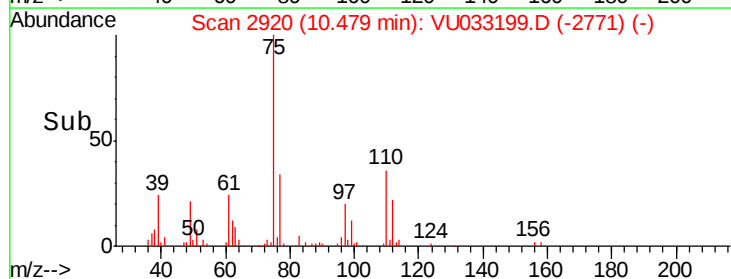
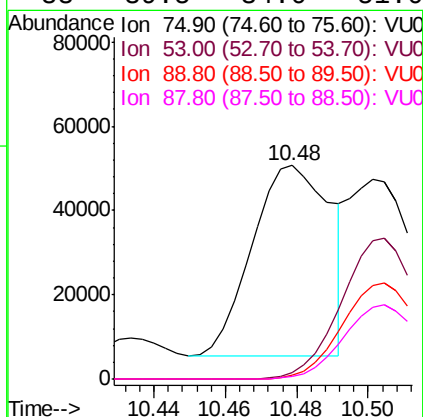
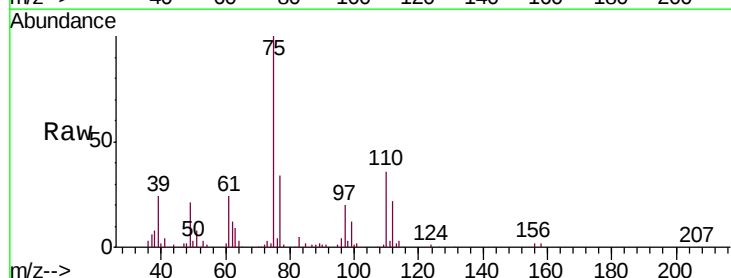
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

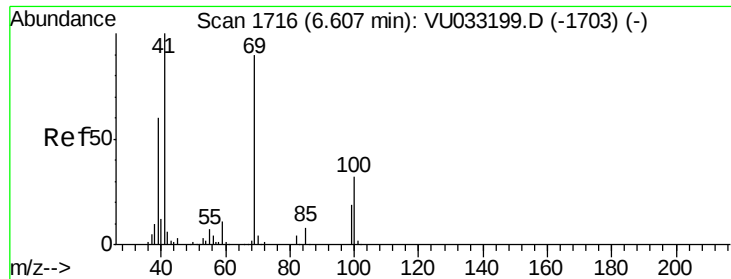
Tgt Ion: 43 Resp: 358132
Ion Ratio Lower Upper
43 100
58 40.8 20.4 61.2
85 18.4 14.7 22.1



#46
t-1,4-Dichloro-2-butene
Concen: 23.868 ug/l
RT: 10.48 min Scan# 2920
Delta R.T. -0.02 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 75 Resp: 68964
Ion Ratio Lower Upper
75 100
53 73.9 63.8 95.6
89 51.0 44.0 66.0
88 39.5 34.0 51.0

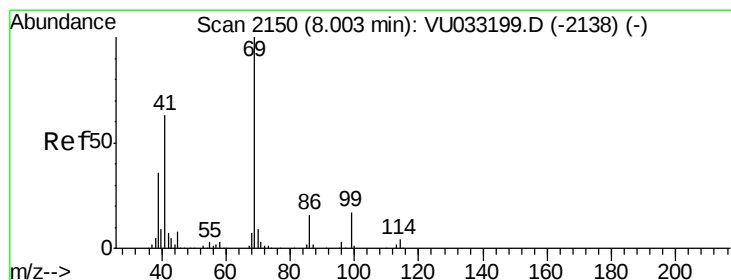
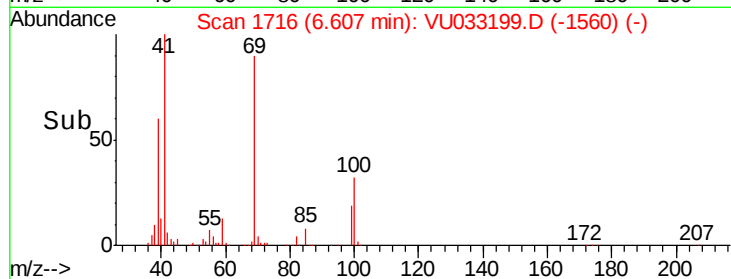
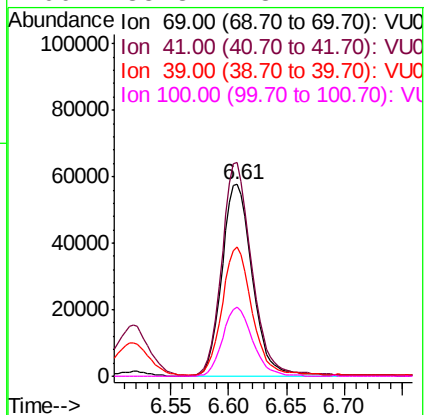
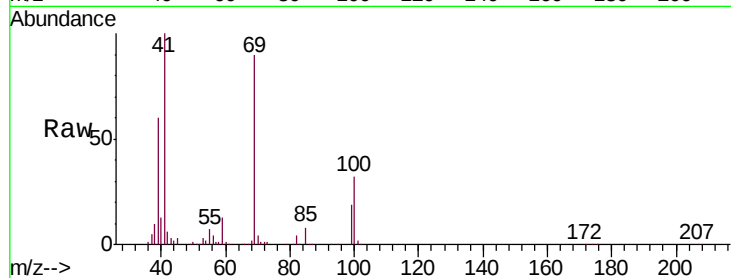




#47
Methyl methacrylate
Concen: 22.683 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

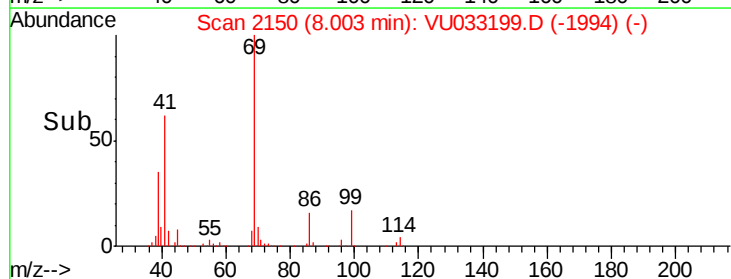
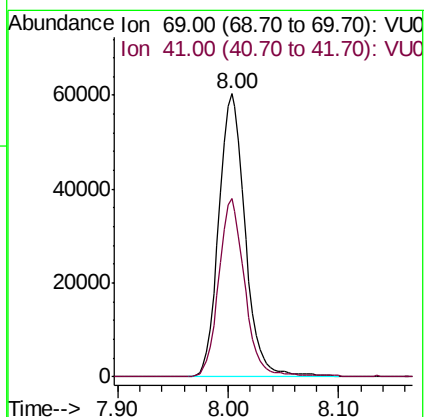
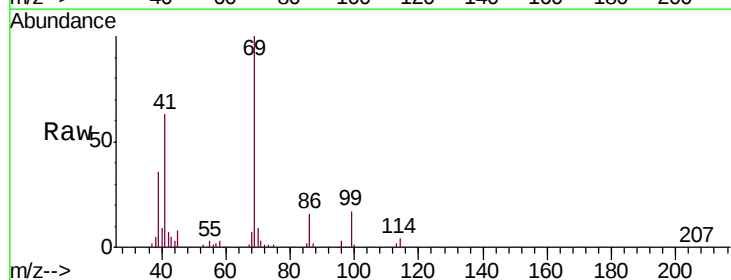
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

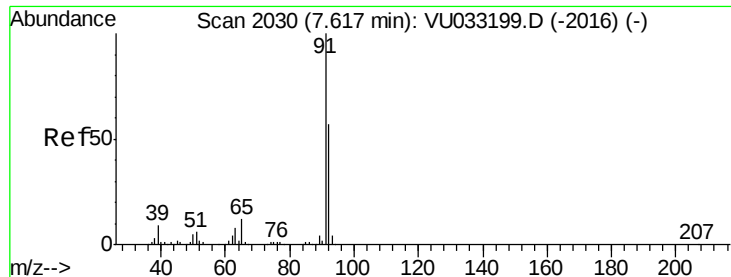
Tgt Ion: 69 Resp: 106186
Ion Ratio Lower Upper
69 100
41 108.5 0.0 217.0
39 65.1 52.1 78.1
100 35.3 28.2 42.4



#48
Ethyl methacrylate
Concen: 11.556 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 69 Resp: 100163
Ion Ratio Lower Upper
69 100
41 62.5 31.3 93.8





#49

Toluene

Concen: 10.496 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

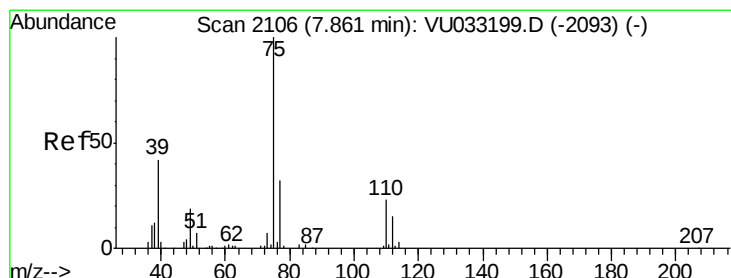
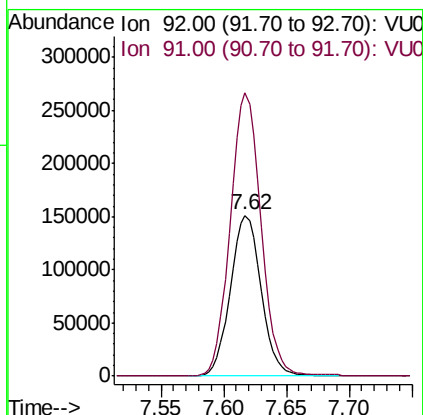
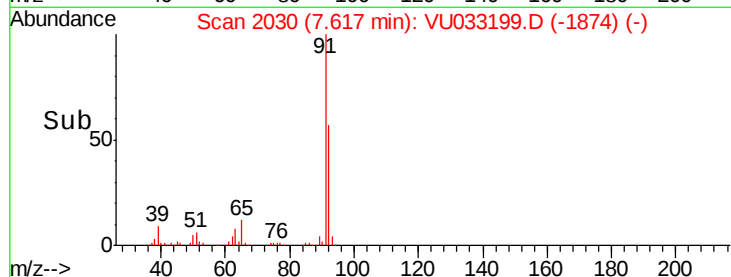
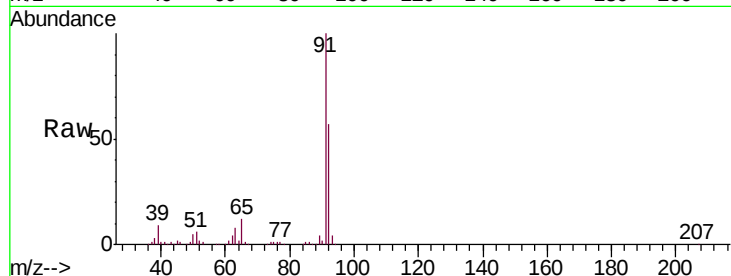
VSTDICCC010

Tgt Ion: 92 Resp: 258174

Ion Ratio Lower Upper

92 100

91 176.5 141.2 211.8



#50

t-1,3-Dichloropropene

Concen: 10.613 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033199.D

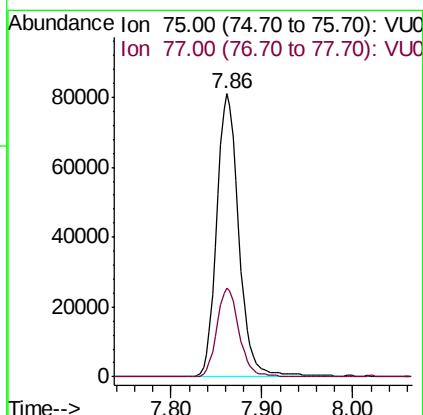
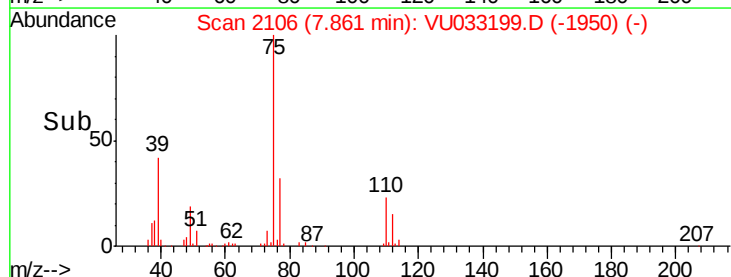
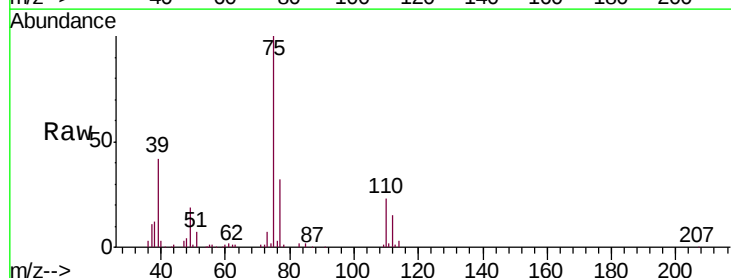
Acq: 11 Jul 2019 18:42

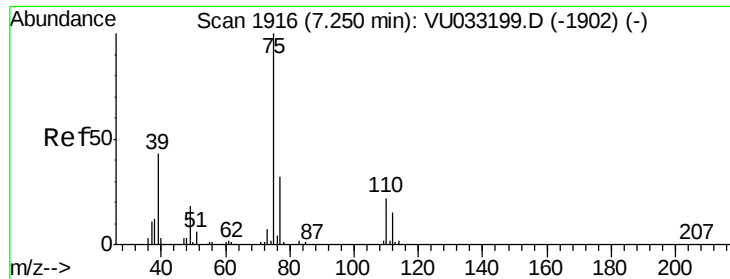
Tgt Ion: 75 Resp: 137501

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

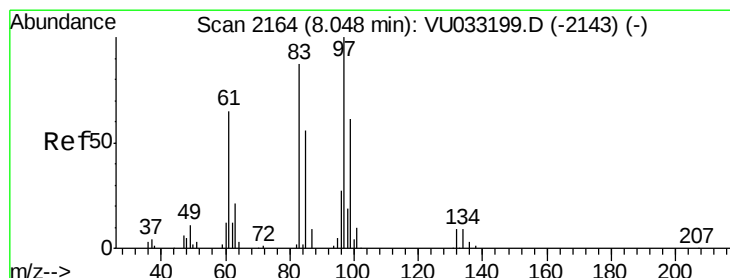
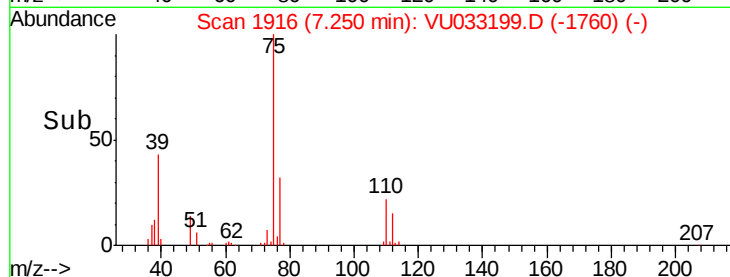
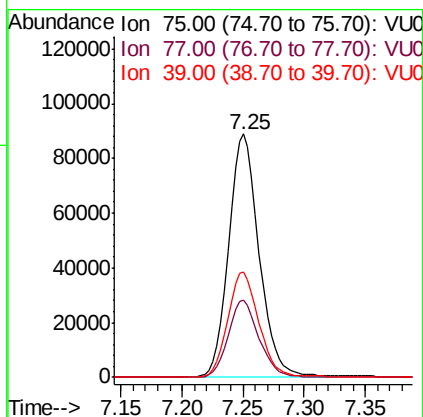
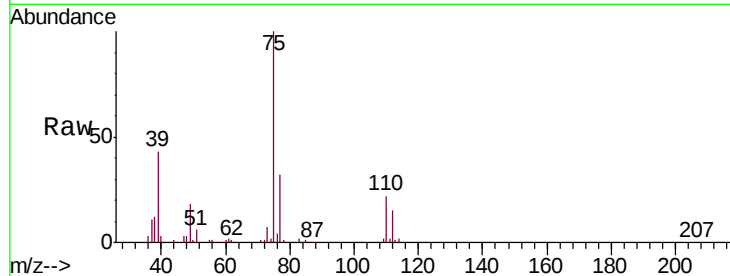




#51
 cis-1,3-Dichloropropene
 Concen: 10.176 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

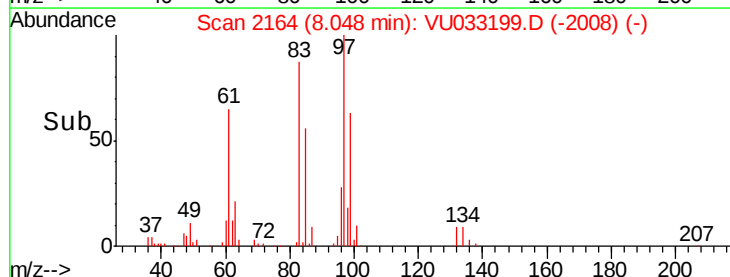
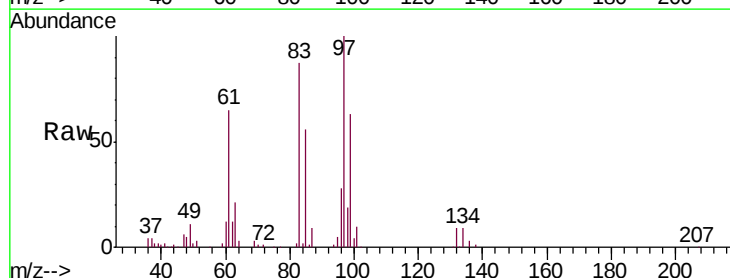
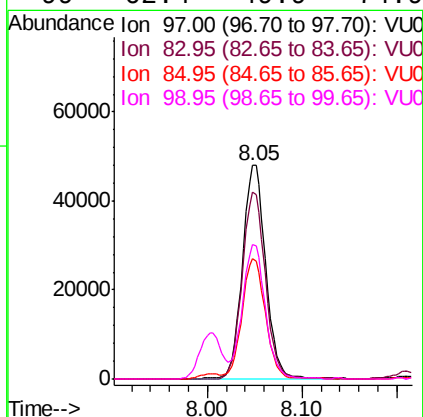
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

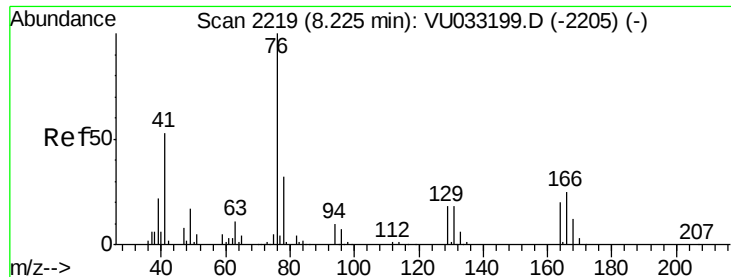
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	43.1	34.5	51.7



#52
 1,1,2-Trichloroethane
 Concen: 9.873 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.9	104.9
85	56.5	45.2	67.8
99	62.4	49.9	74.9

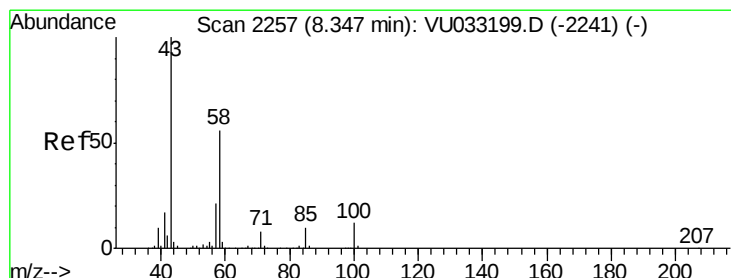
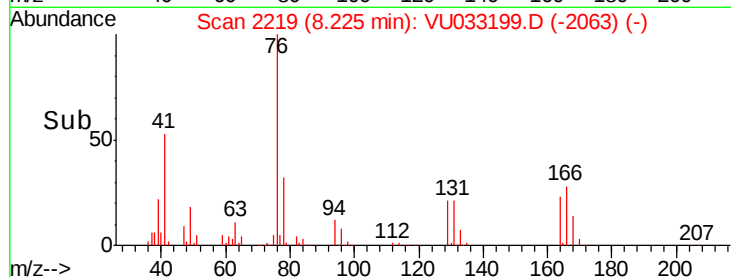
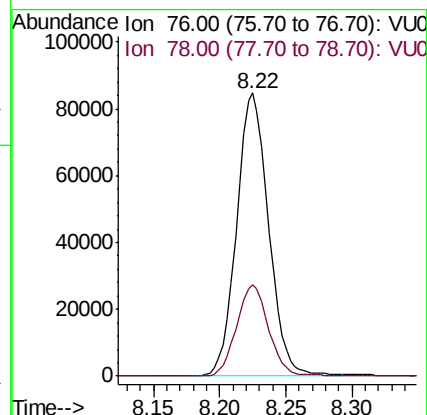
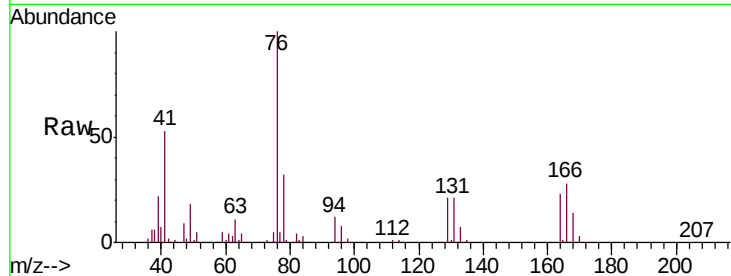




#53
 1,3-Dichloropropane
 Concen: 10.163 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

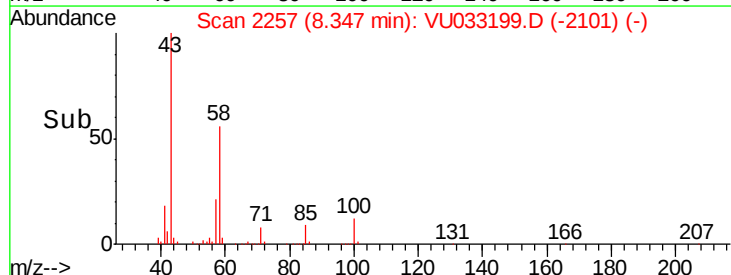
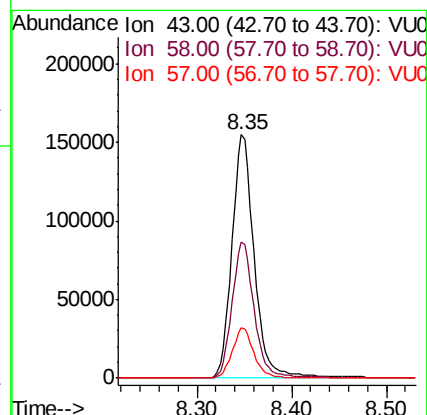
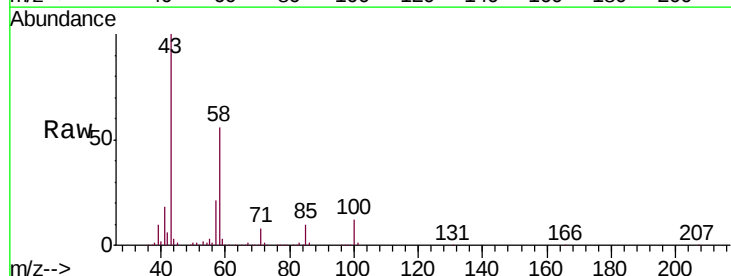
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

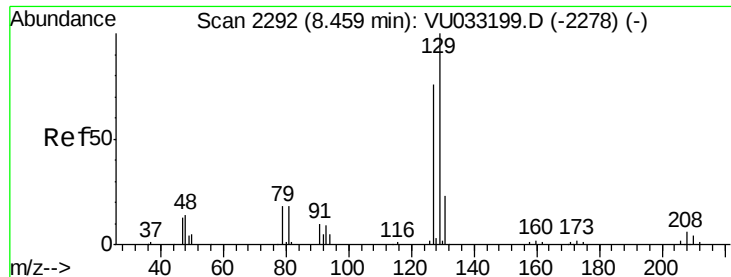
Tgt Ion: 76 Resp: 142003
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#54
 2-Hexanone
 Concen: 58.321 ug/l
 RT: 8.35 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 43 Resp: 254198
 Ion Ratio Lower Upper
 43 100
 58 55.8 35.8 75.8
 57 20.2 0.2 40.2





#55

Dibromochloromethane

Concen: 9.993 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

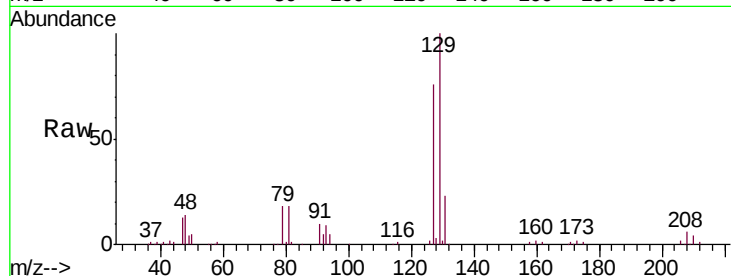
VSTDICCC010

Tgt Ion:129 Resp: 97081

Ion Ratio Lower Upper

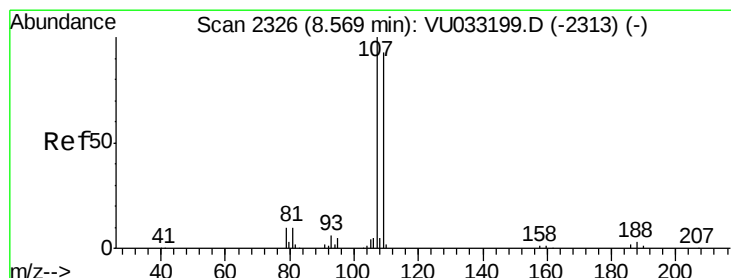
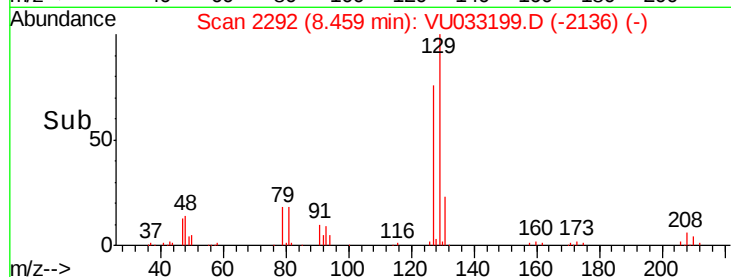
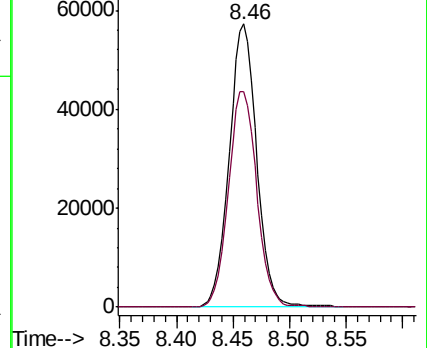
129 100

127 78.6 62.9 94.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.377 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033199.D

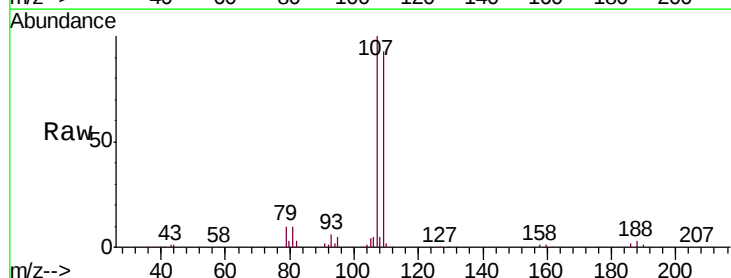
Acq: 11 Jul 2019 18:42

Tgt Ion:107 Resp: 78915

Ion Ratio Lower Upper

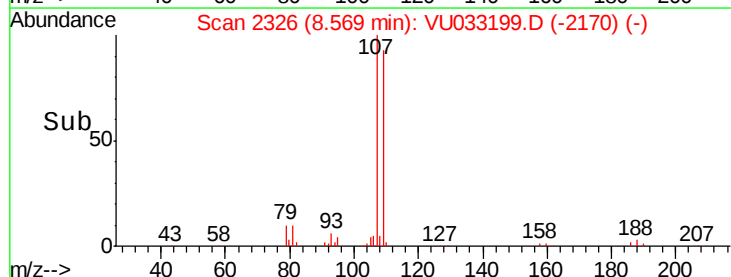
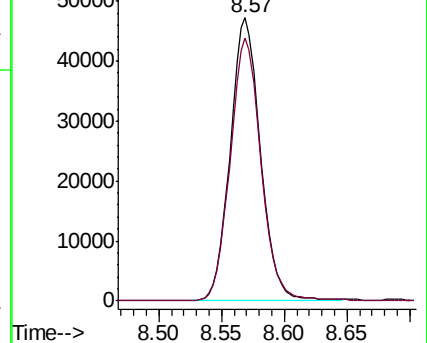
107 100

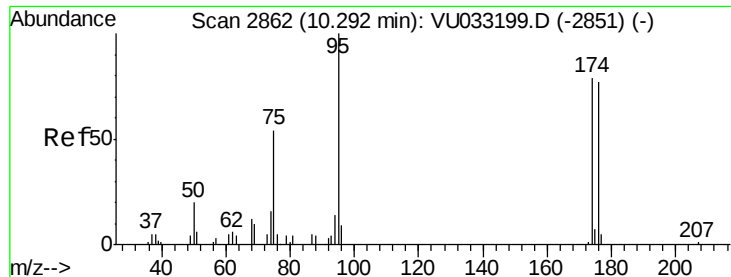
109 94.6 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

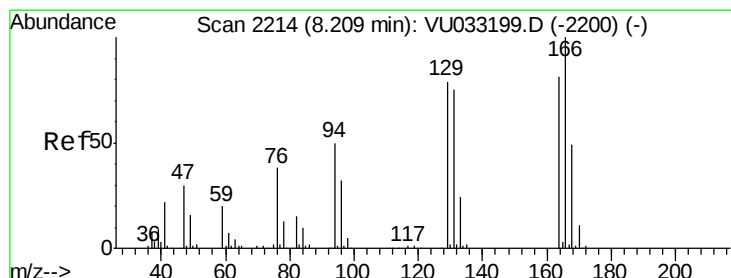
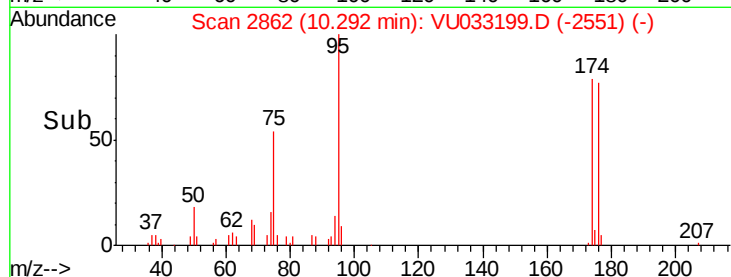
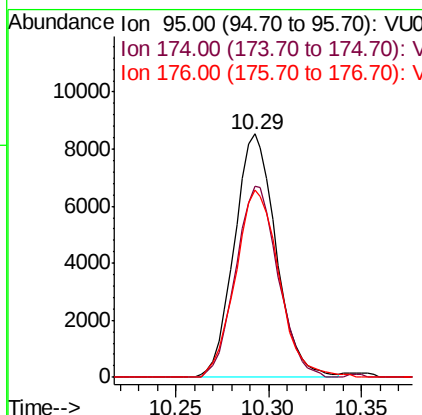
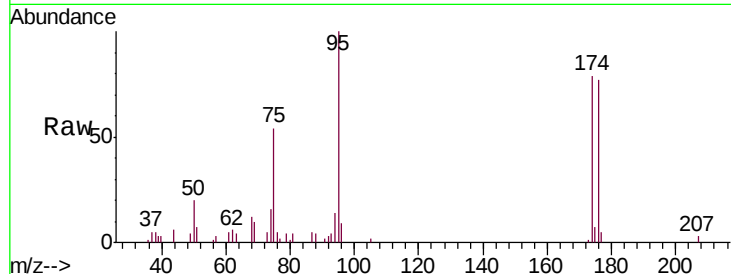




#57
4-Bromofluorobenzene
Concen: 1.008 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

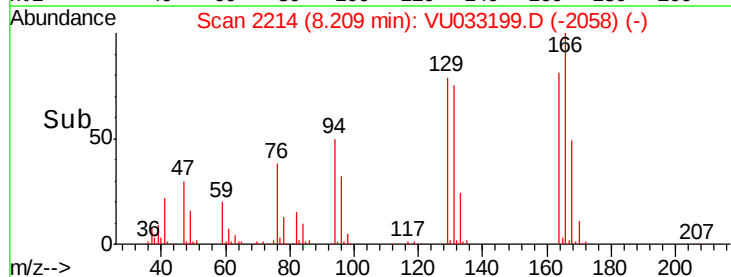
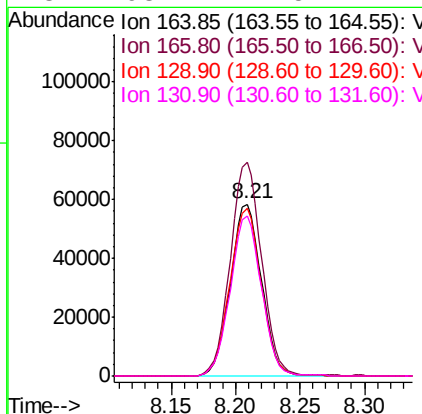
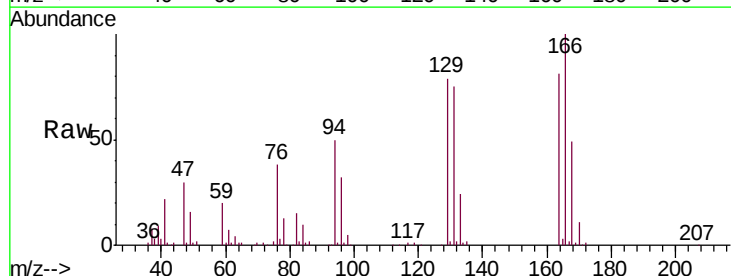
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

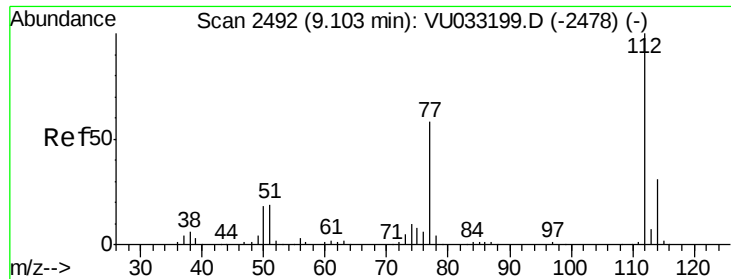
Tgt Ion: 95 Resp: 13348
Ion Ratio Lower Upper
95 100
174 79.8 63.8 95.8
176 80.6 64.5 96.7



#58
Tetrachloroethene
Concen: 9.907 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion: 164 Resp: 97816
Ion Ratio Lower Upper
164 100
166 124.1 99.3 148.9
129 97.5 78.0 117.0
131 93.1 74.5 111.7





#59

Chlorobenzene

Concen: 10.480 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

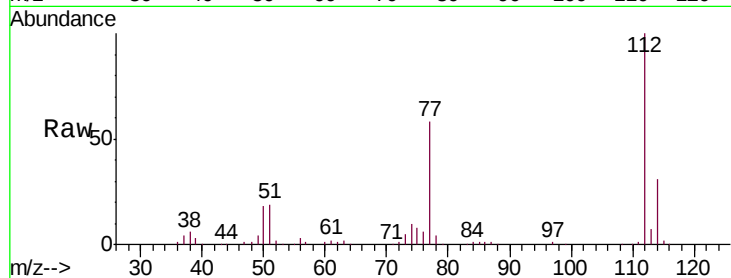
VSTDICCC010

Tgt Ion:112 Resp: 287008

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

100000

50000

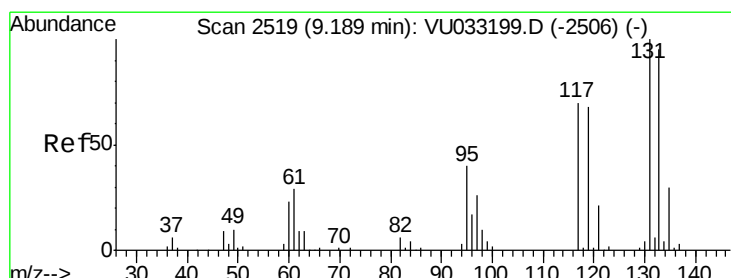
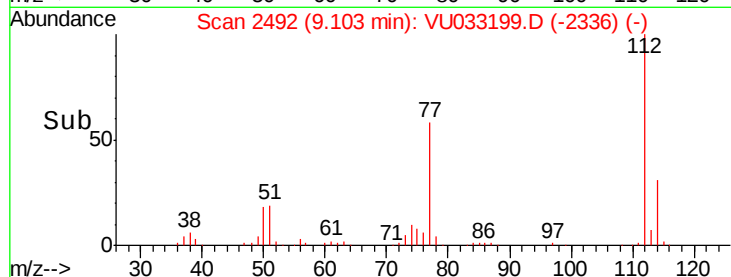
0

9.10

9.10

9.20

Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 9.629 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

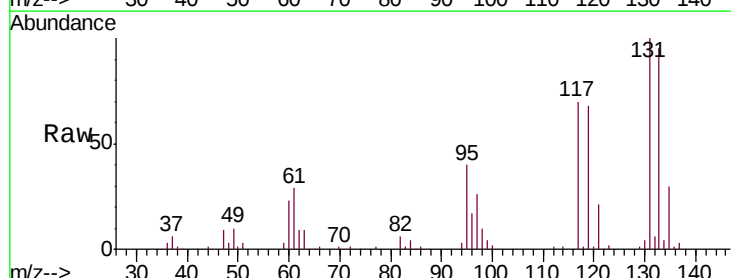
Tgt Ion:131 Resp: 100954

Ion Ratio Lower Upper

131 100

133 95.9 76.7 115.1

119 67.7 54.2 81.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

80000

60000

40000

20000

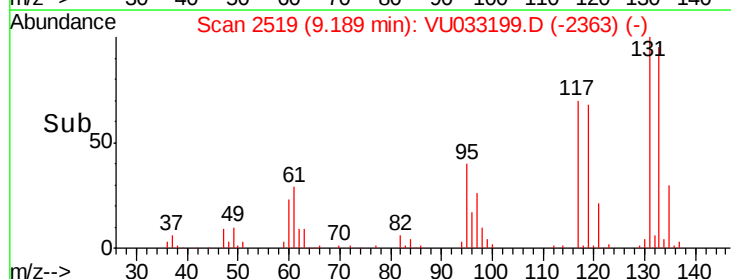
0

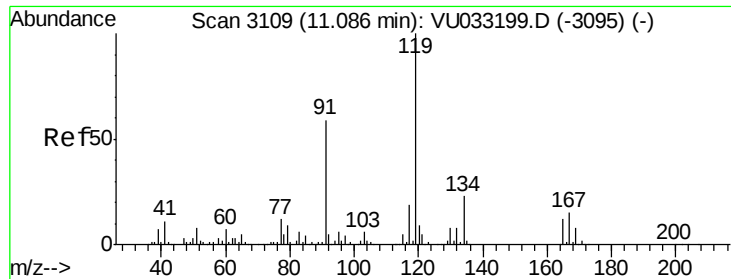
9.19

9.19

9.25

Time-->

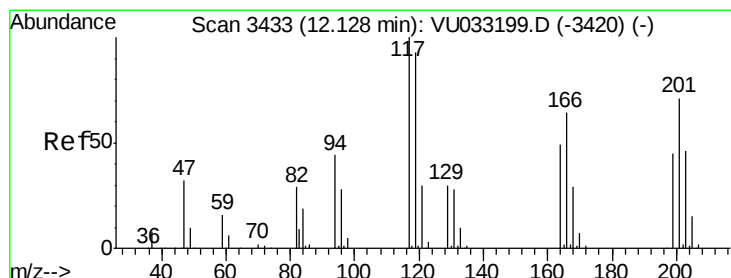
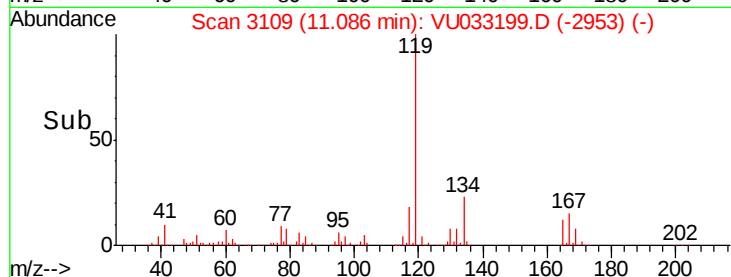
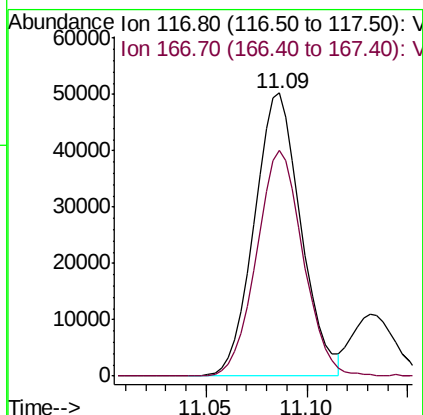
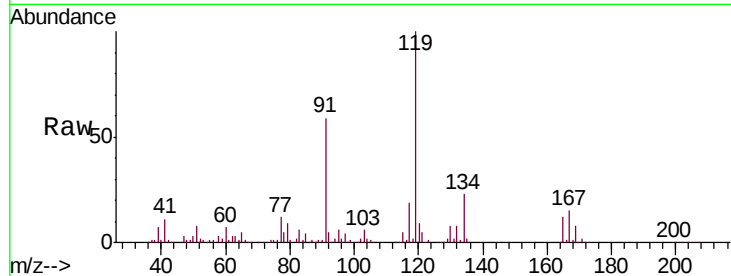




#61
 Pentachloroethane
 Concen: 9.515 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

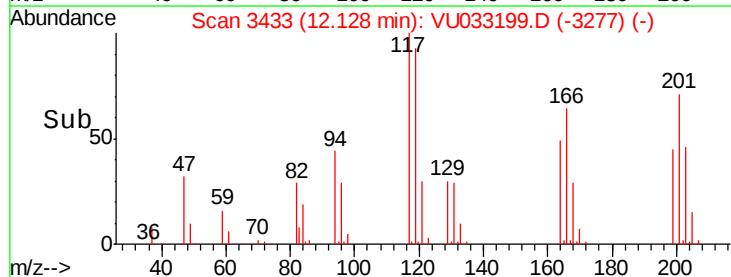
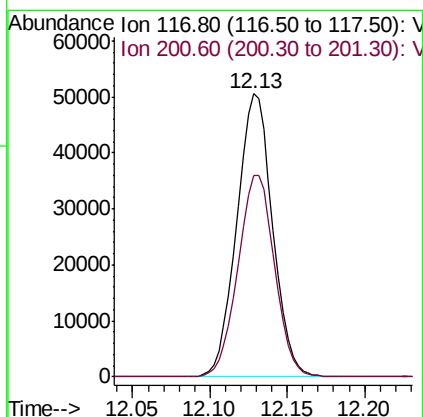
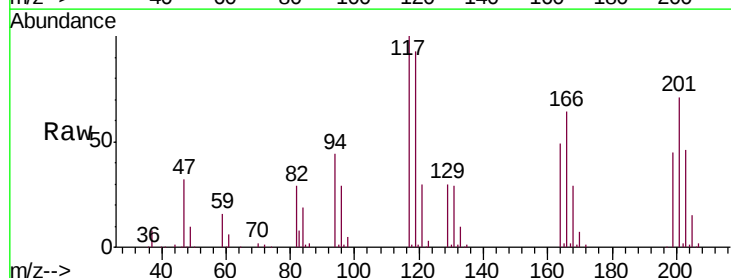
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

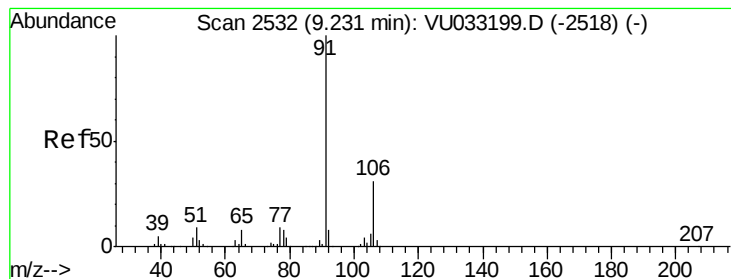
Tgt Ion:117 Resp: 81041
 Ion Ratio Lower Upper
 117 100
 167 79.5 63.6 95.4



#62
 Hexachloroethane
 Concen: 9.924 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion:117 Resp: 81164
 Ion Ratio Lower Upper
 117 100
 201 73.1 58.5 87.7





#63

Ethyl Benzene

Concen: 11.035 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

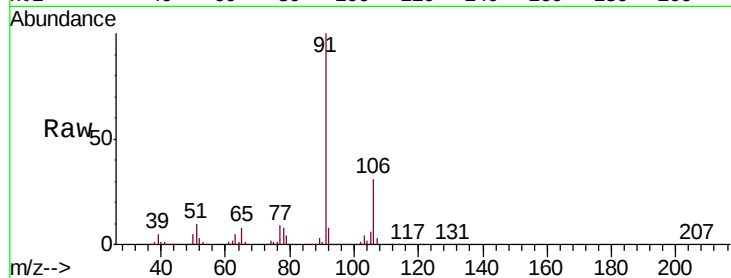
VSTDICCC010

Tgt Ion: 91 Resp: 497802

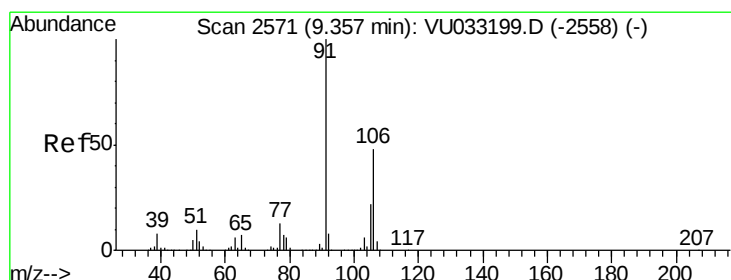
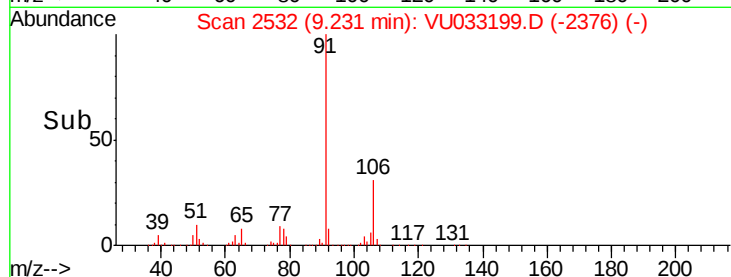
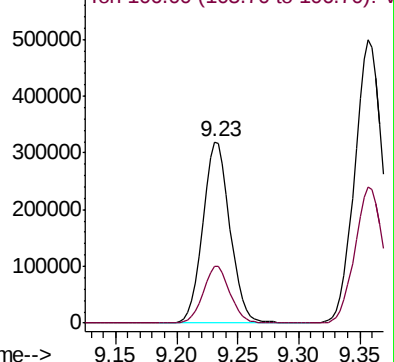
Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VU033199.D (-2518) (-)



#64

m/p-Xylenes

Concen: 22.353 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033199.D

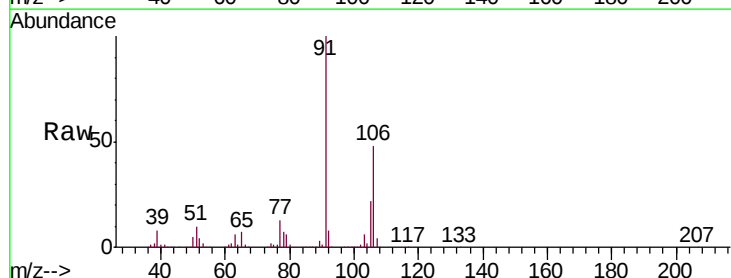
Acq: 11 Jul 2019 18:42

Tgt Ion: 106 Resp: 392919

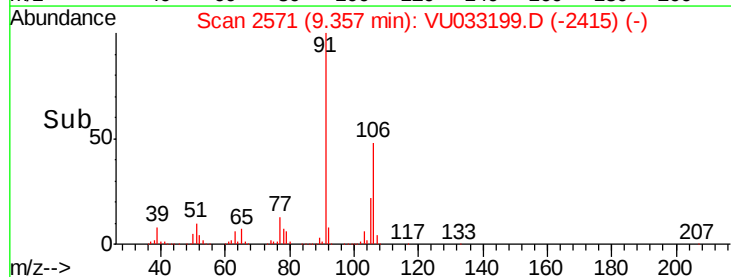
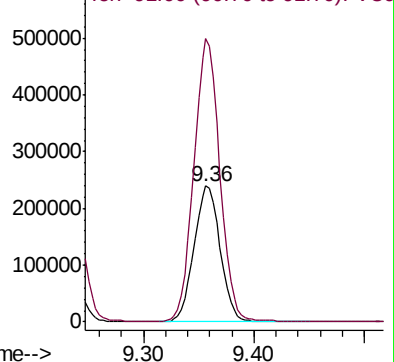
Ion Ratio Lower Upper

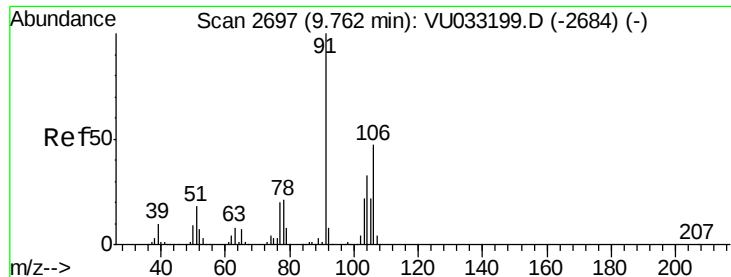
106 100

91 206.0 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): VU033199.D (-2558) (-)





#65

o-Xylene

Concen: 11.071 ug/l

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

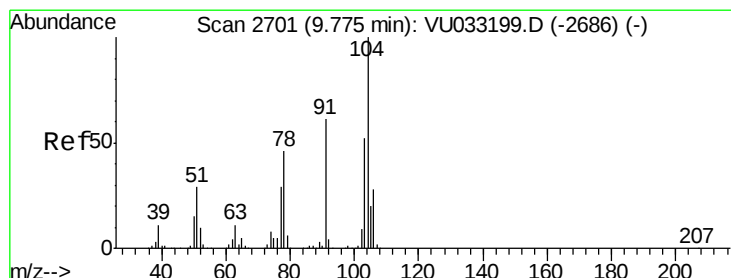
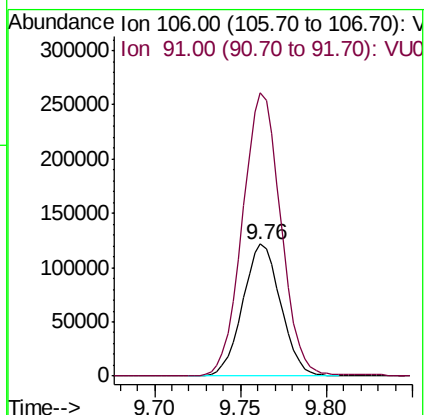
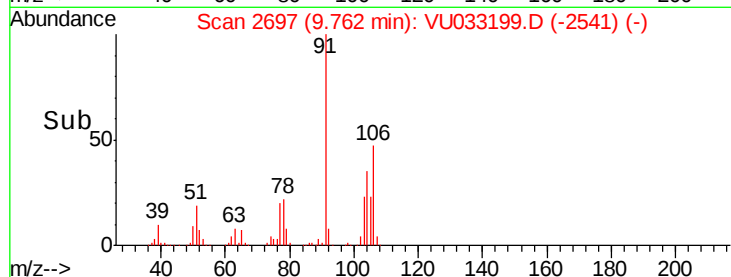
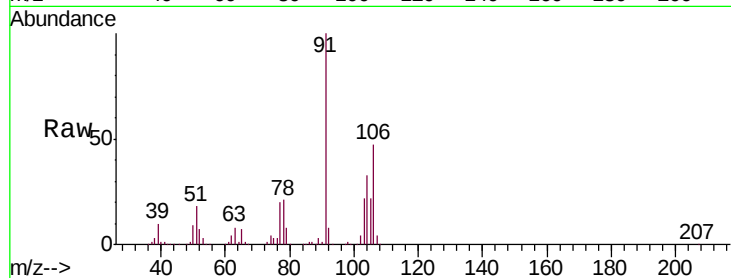
VSTDICCC010

Tgt Ion:106 Resp: 186873

Ion Ratio Lower Upper

106 100

91 217.2 108.6 325.8



#66

Styrene

Concen: 11.543 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

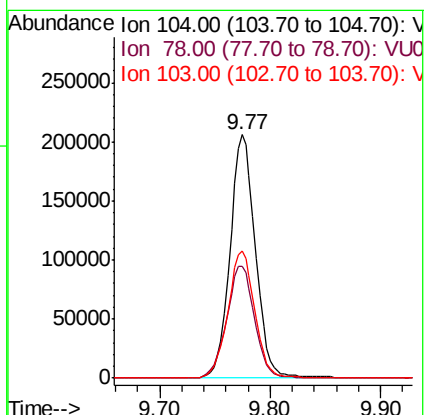
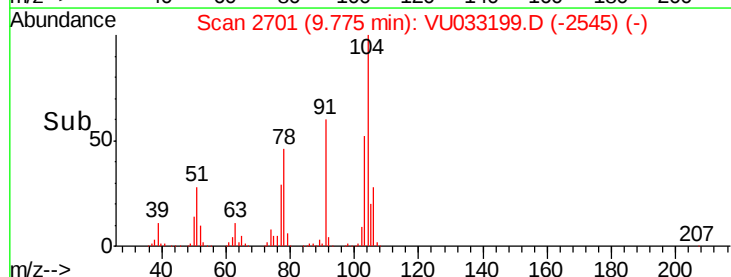
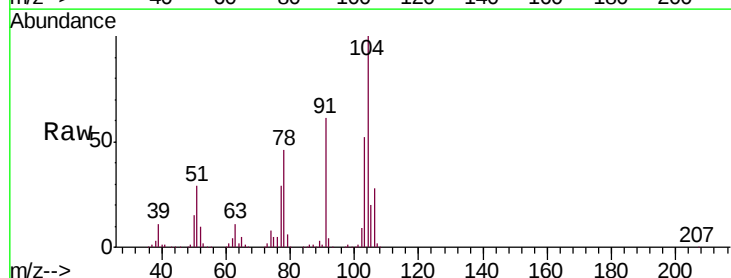
Tgt Ion:104 Resp: 328095

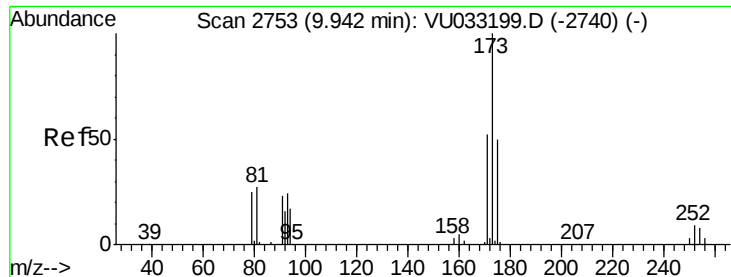
Ion Ratio Lower Upper

104 100

78 50.5 40.4 60.6

103 55.4 44.3 66.5

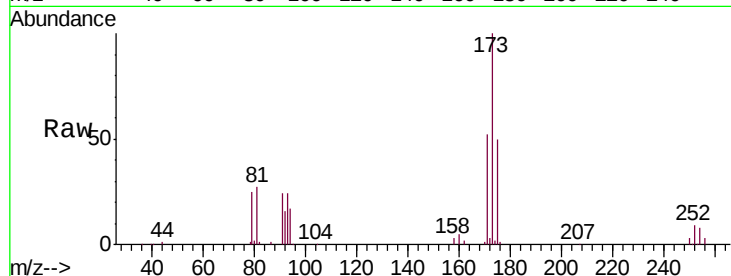




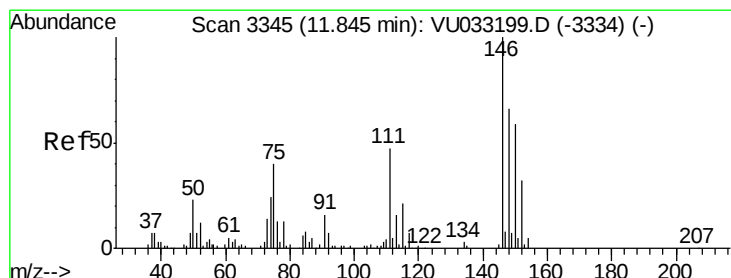
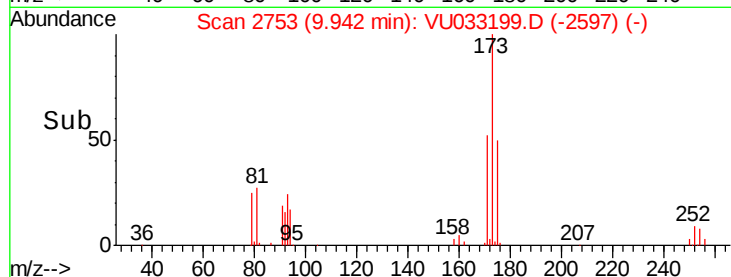
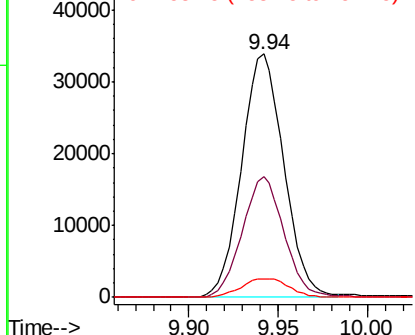
#67
Bromoform
Concen: 10.552 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 56122
Ion Ratio Lower Upper
173 100
175 49.2 39.4 59.0
254 8.6 6.9 10.3

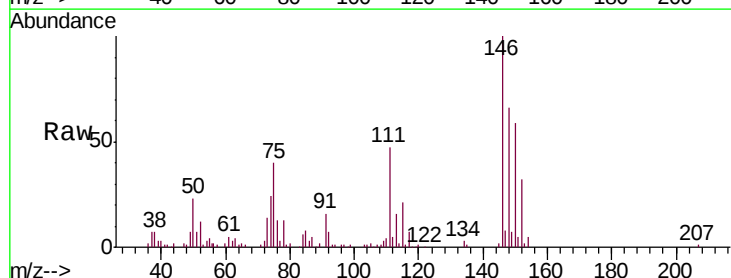


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

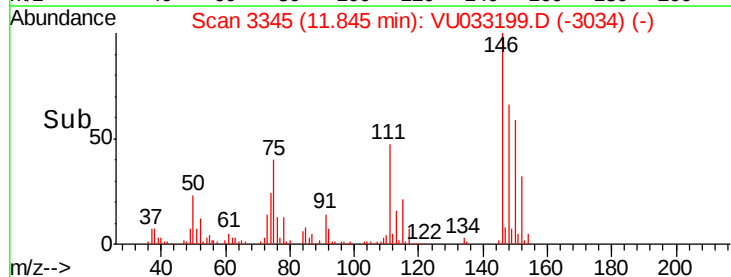
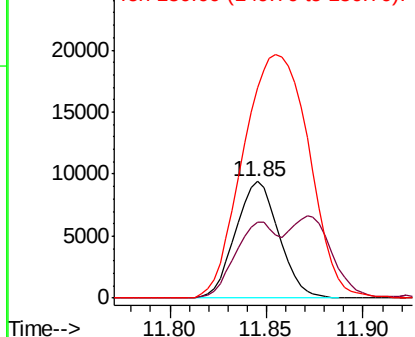


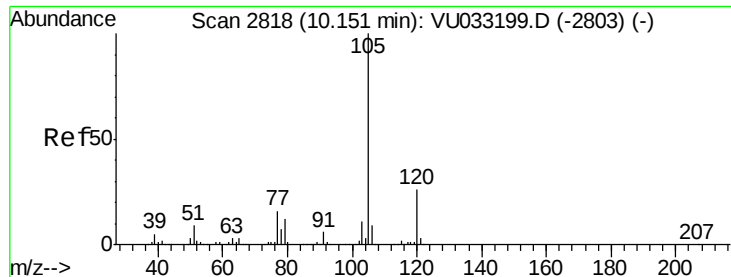
#68
1,2-Dichlorobenzene-d4
Concen: 1.079 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion:152 Resp: 14704
Ion Ratio Lower Upper
152 100
115 65.5 0.0 131.0
150 317.2 0.0 634.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 11.179 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

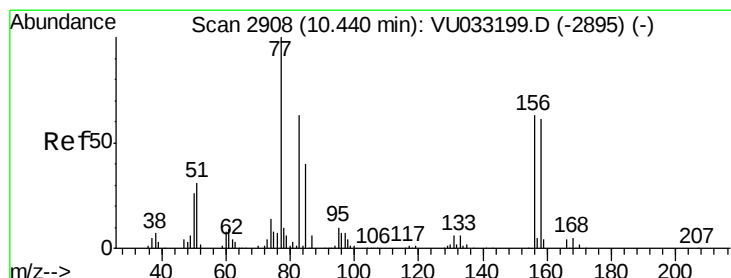
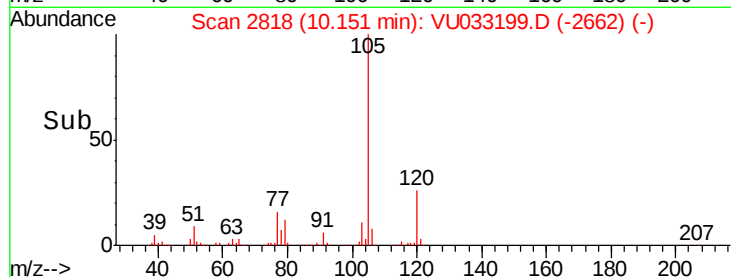
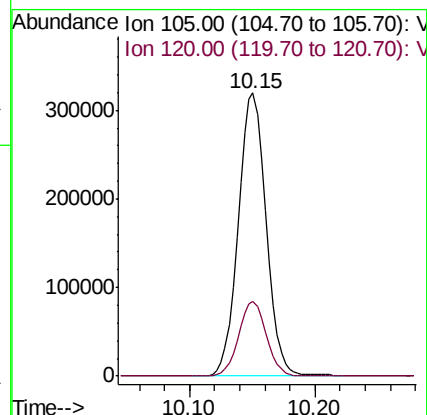
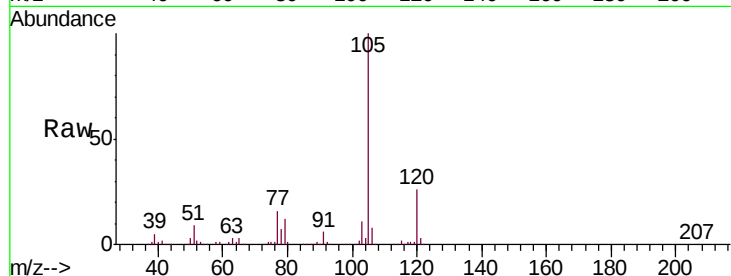
VSTDICCC010

Tgt Ion:105 Resp: 492761

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#70

1,1,2,2-Tetrachloroethane

Concen: 10.205 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

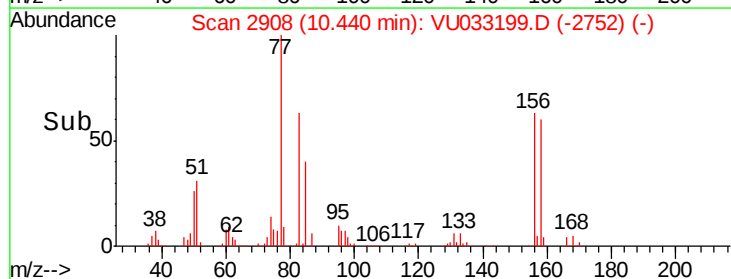
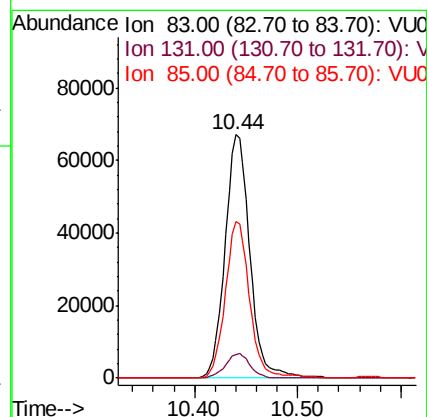
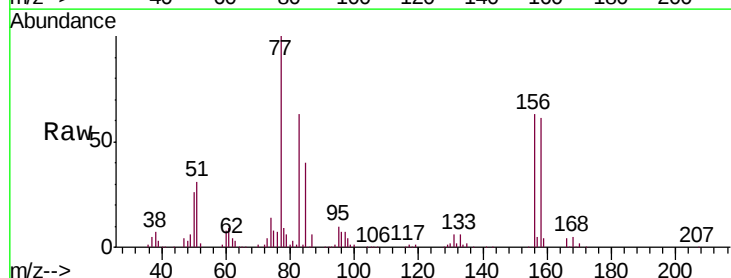
Tgt Ion: 83 Resp: 112286

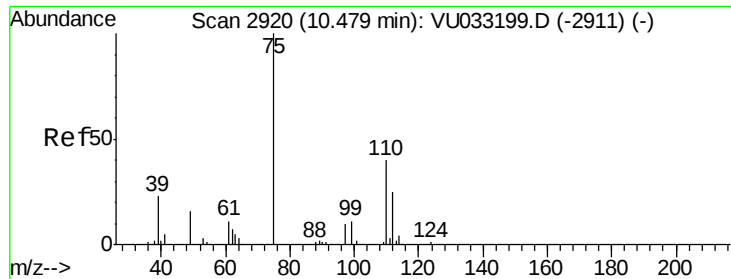
Ion Ratio Lower Upper

83 100

131 10.0 8.0 12.0

85 63.3 50.6 76.0

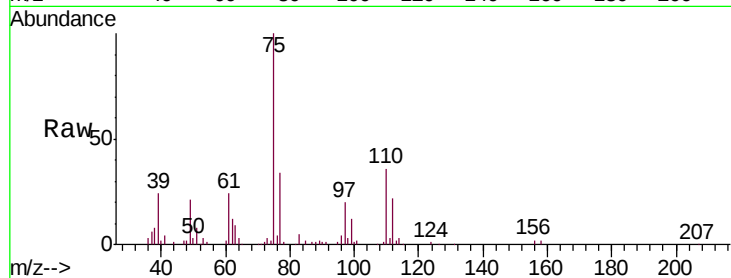




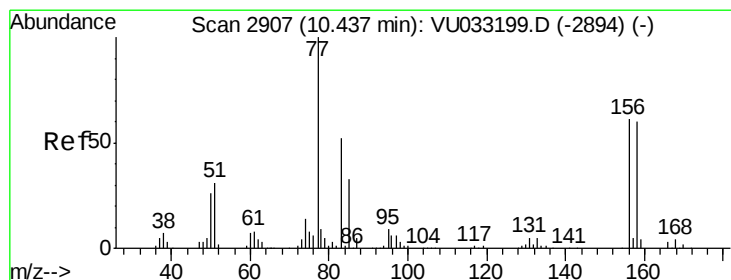
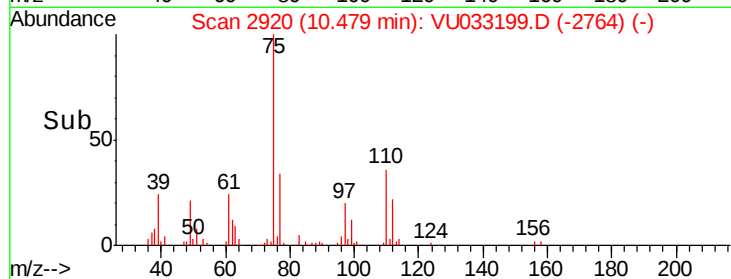
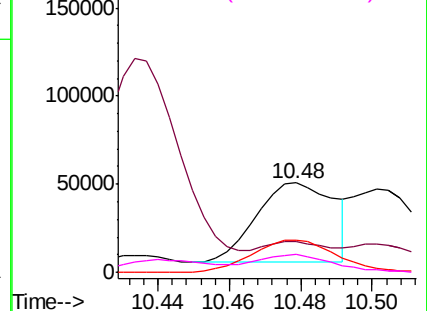
#71
 1,2,3-Trichloropropane
 Concen: 8.708 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tgt Ion:	75	Resp:	68964
Ion	Ratio	Lower	Upper
75	100		
77	9.2	0.0	15.4
110	43.4	0.0	72.2
97	22.4	0.0	37.2

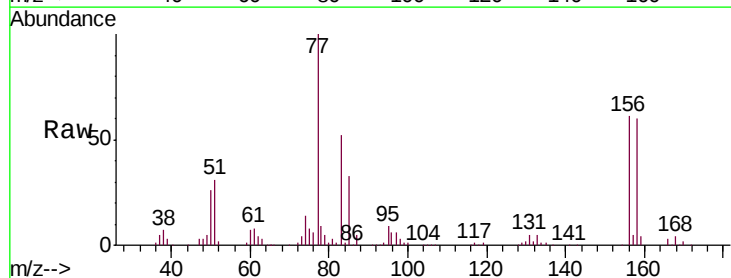


Abundance Ion 75.00 (74.70 to 75.70): VU033199.D (-2911) (-)
 Ion 77.00 (76.70 to 77.70): VU033199.D (-2911) (-)
 Ion 110.00 (109.70 to 110.70): VU033199.D (-2911) (-)
 Ion 97.00 (96.70 to 97.70): VU033199.D (-2911) (-)

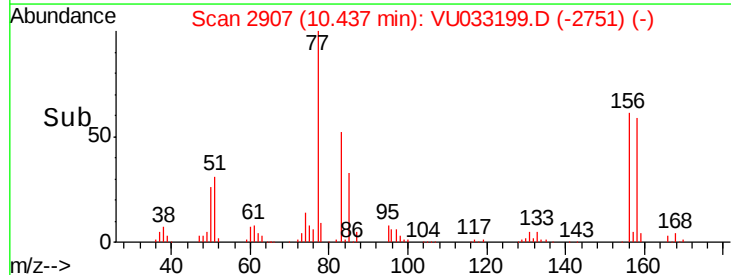
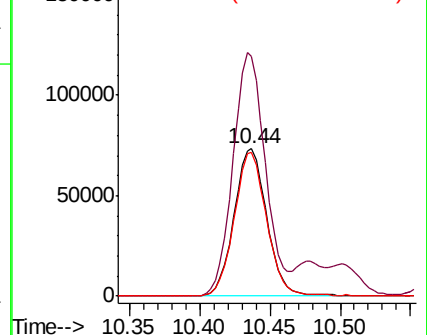


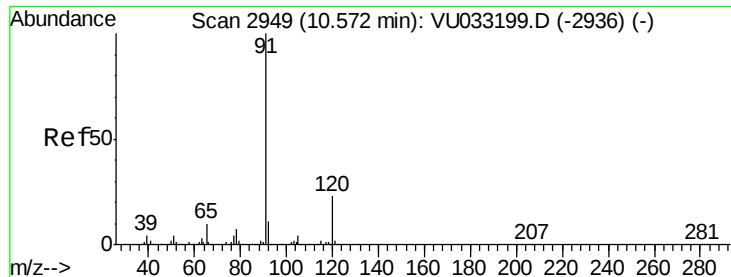
#72
 Bromobenzene
 Concen: 10.606 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion:	156	Resp:	119316
Ion	Ratio	Lower	Upper
156	100		
77	163.0	0.0	326.0
158	96.6	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): VU033199.D (-2894) (-)
 Ion 77.00 (76.70 to 77.70): VU033199.D (-2894) (-)
 Ion 158.00 (157.70 to 158.70): VU033199.D (-2894) (-)





#73

n-propylbenzene

Concen: 11.657 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

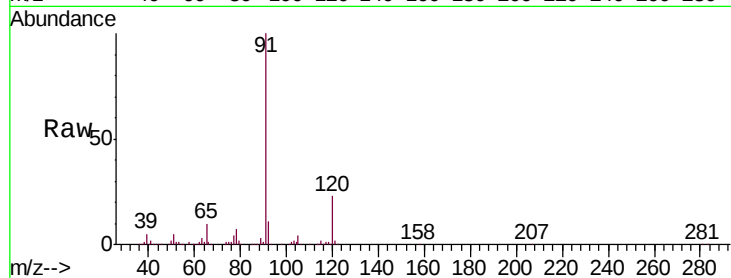
VSTDICCC010

Tgt Ion:120 Resp: 142885

Ion Ratio Lower Upper

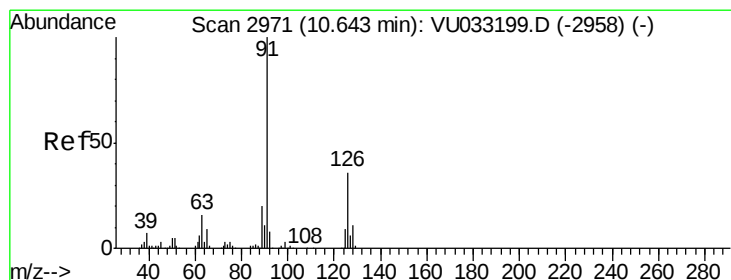
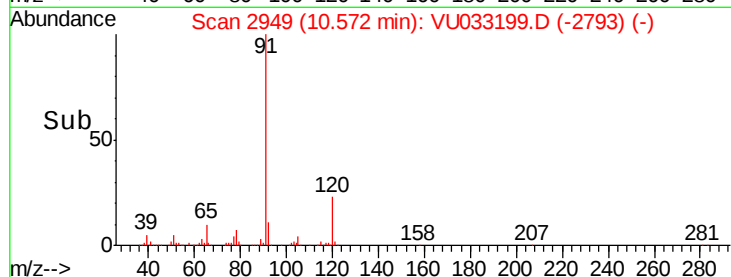
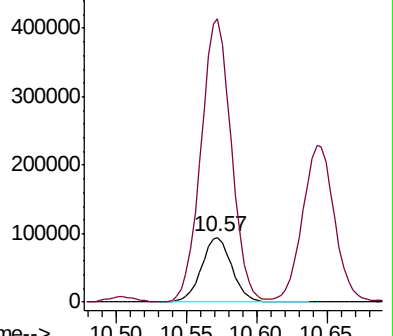
120 100

91 436.2 349.0 523.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.976 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033199.D

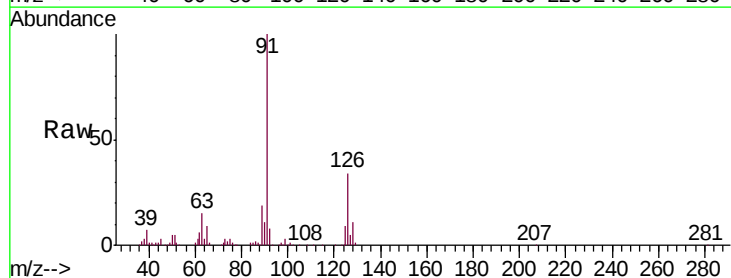
Acq: 11 Jul 2019 18:42

Tgt Ion:126 Resp: 123013

Ion Ratio Lower Upper

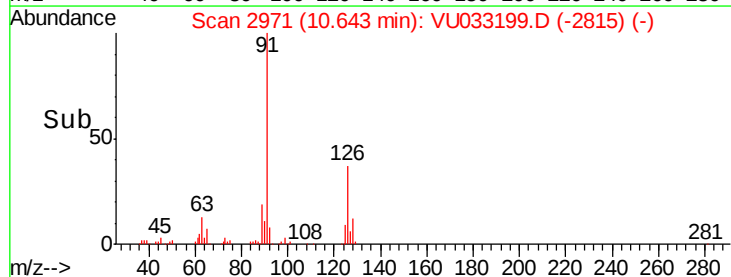
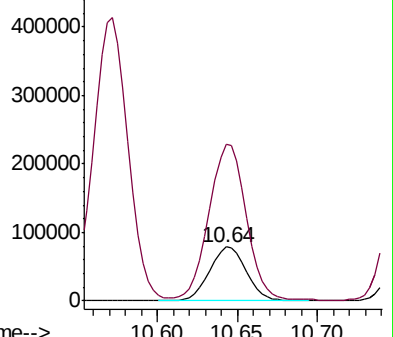
126 100

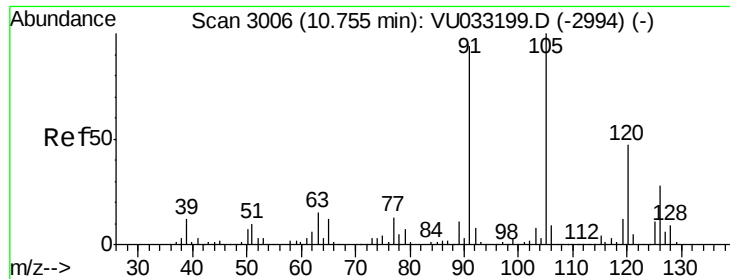
91 296.1 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.370 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

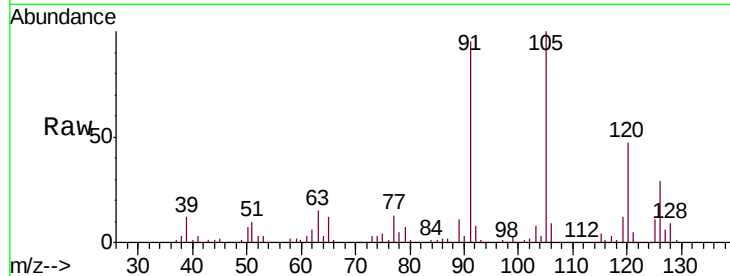
VSTDICCC010

Tgt Ion:105 Resp: 443962

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.76

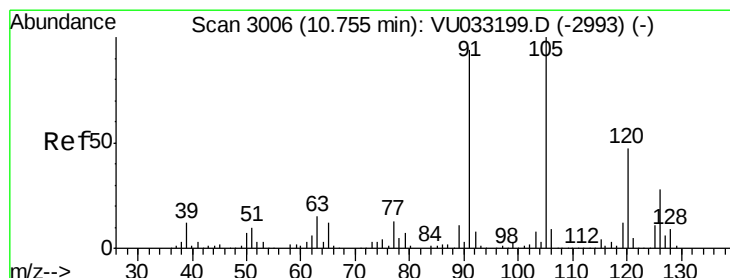
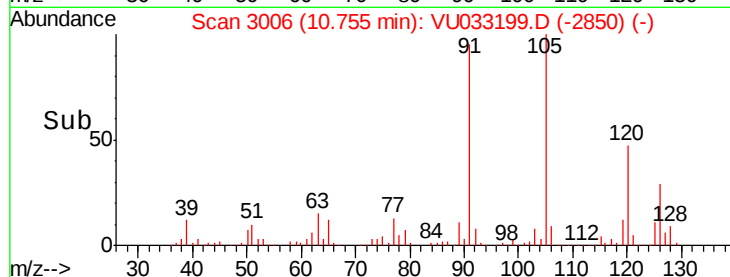
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 11.149 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033199.D

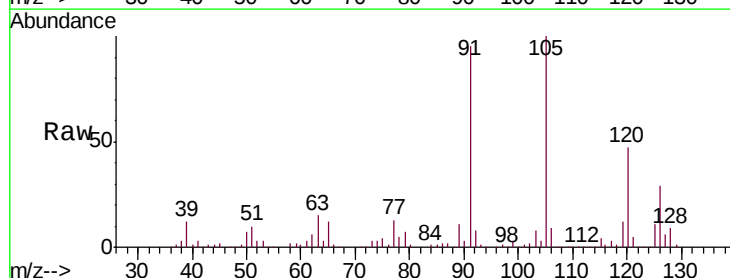
Acq: 11 Jul 2019 18:42

Tgt Ion:126 Resp: 130959

Ion Ratio Lower Upper

126 100

91 331.7 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.76

300000

250000

200000

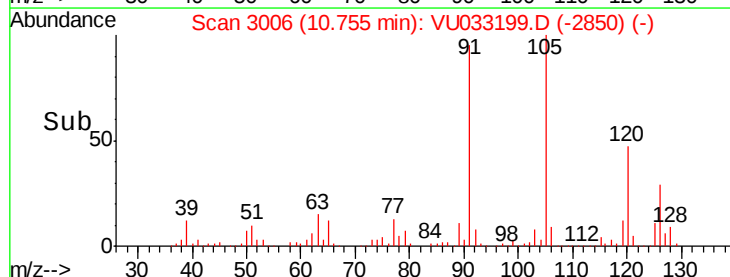
150000

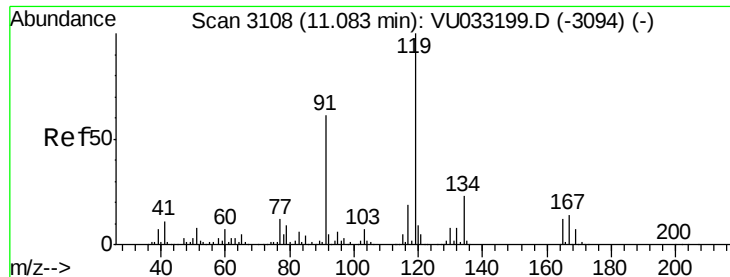
100000

50000

0

Time-->

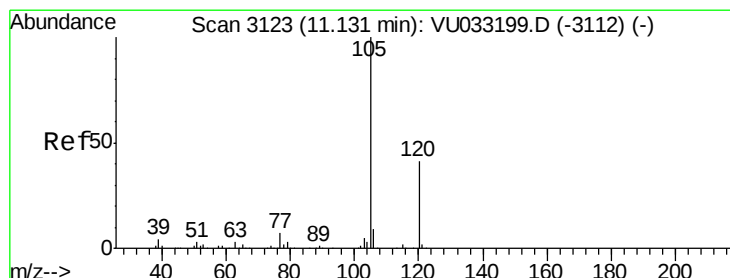
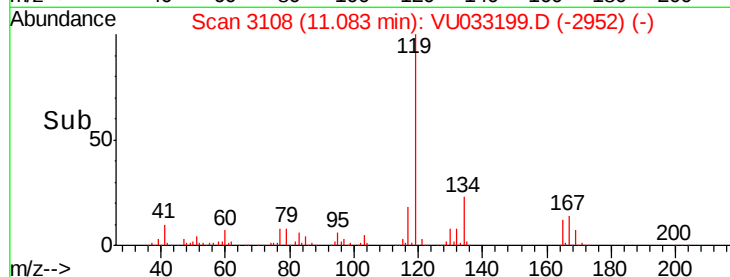
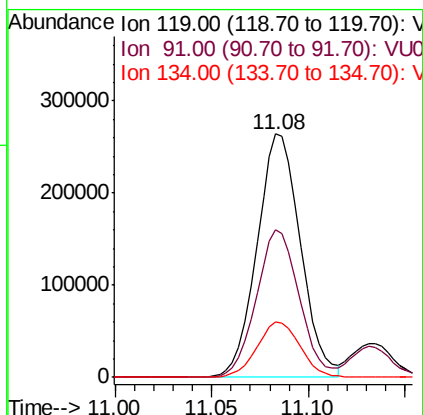
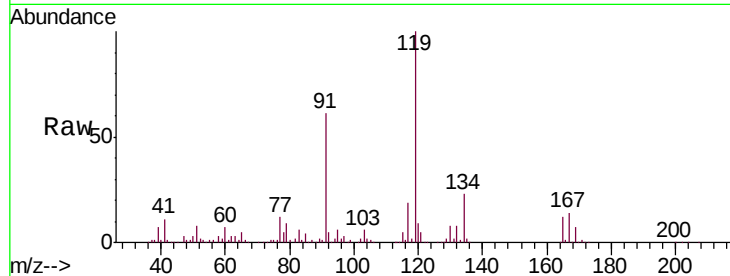




#77
 tert-Butylbenzene
 Concen: 11.058 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

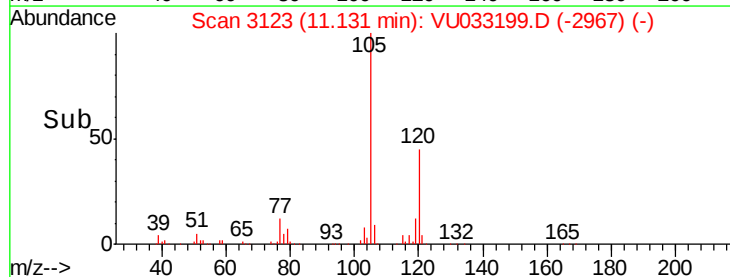
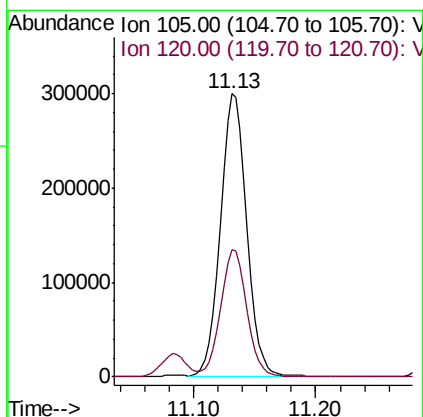
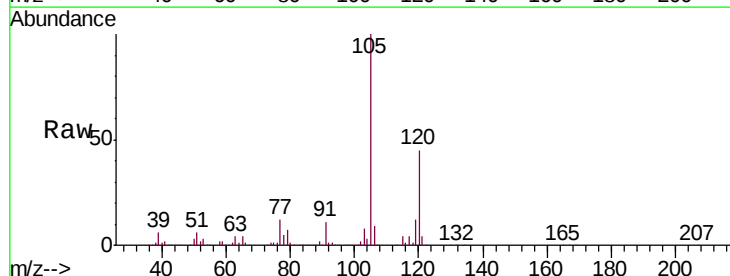
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

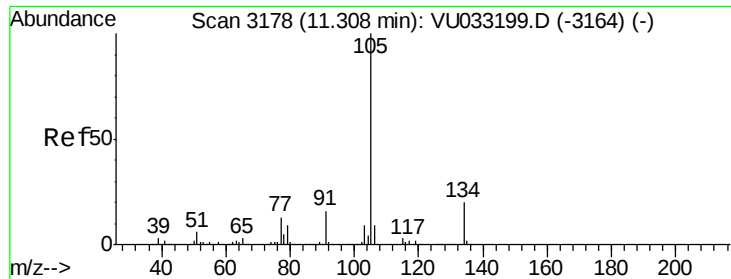
Tgt Ion:119 Resp: 411680
 Ion Ratio Lower Upper
 119 100
 91 59.7 29.8 89.5
 134 22.8 18.2 27.4



#78
 1,2,4-Trimethylbenzene
 Concen: 11.531 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion:105 Resp: 456089
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8

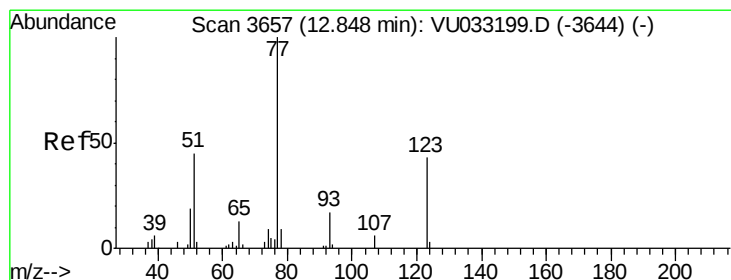
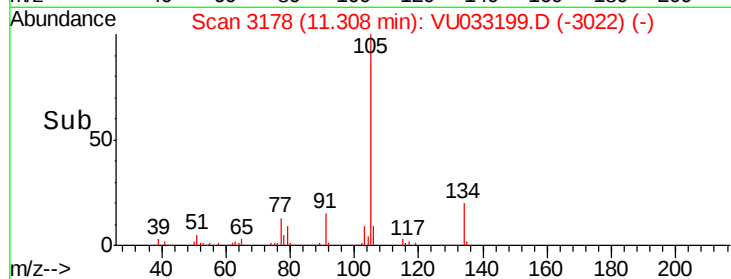
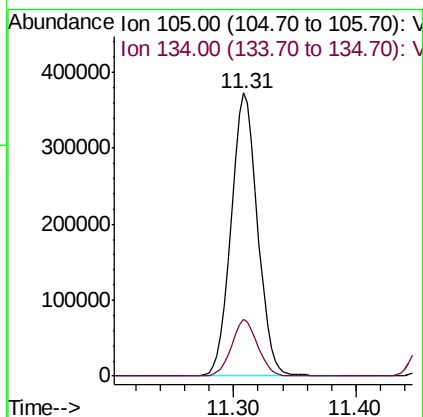
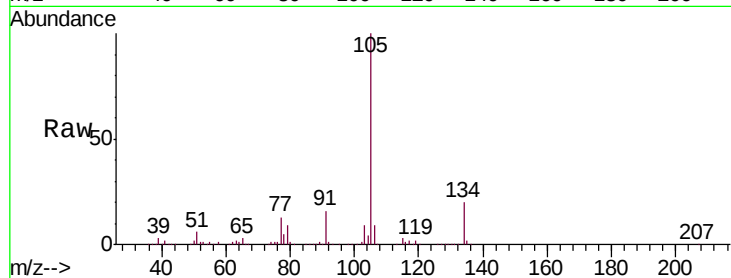




#79
 sec-Butylbenzene
 Concen: 11.075 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

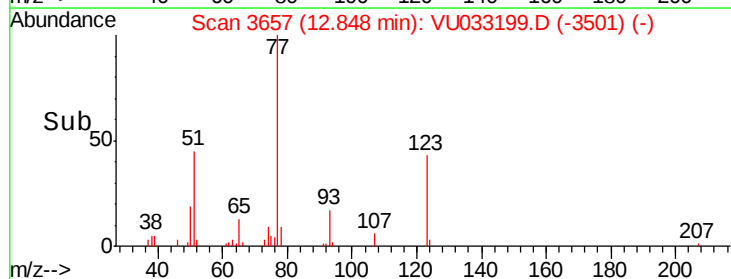
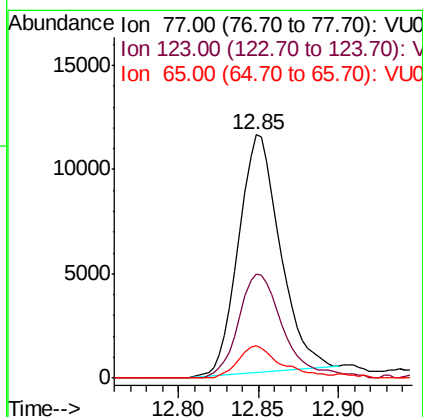
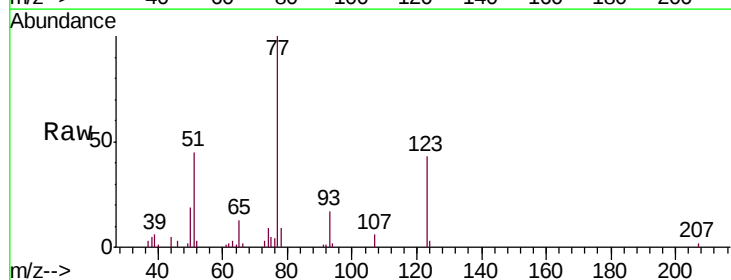
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

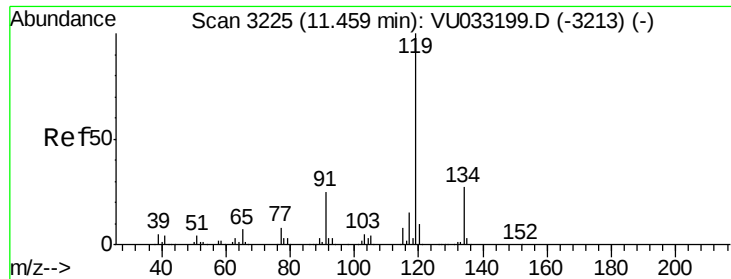
Tgt Ion:105 Resp: 563599
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.8 23.8



#80
 Nitrobenzene
 Concen: 74.449 ug/l
 RT: 12.85 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 77 Resp: 20267
 Ion Ratio Lower Upper
 77 100
 123 47.5 20.9 74.1
 65 12.2 10.7 13.7

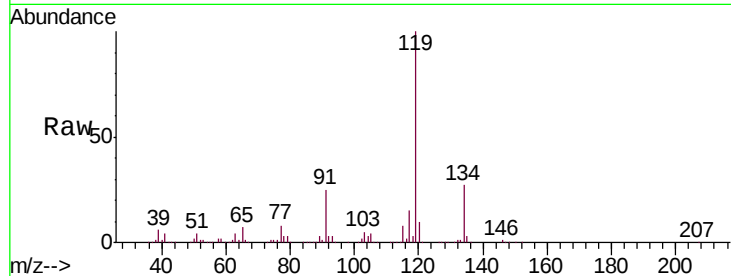




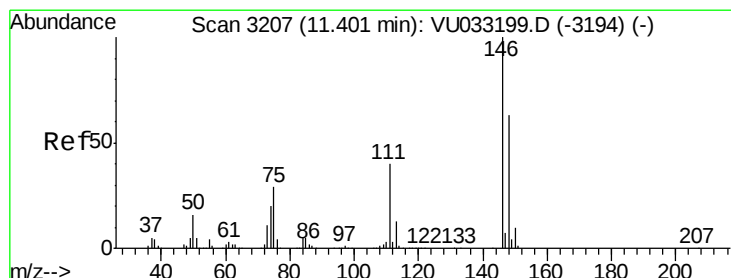
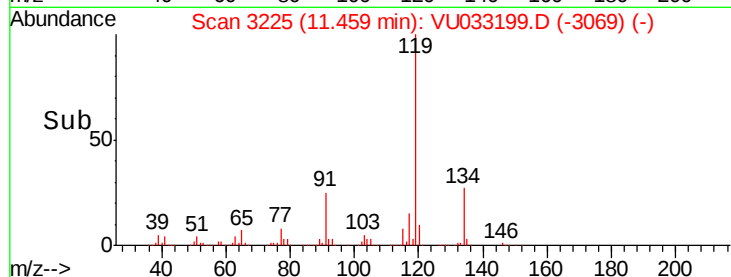
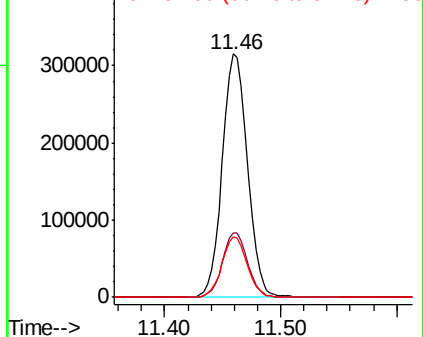
#81
p-Isopropyltoluene
Concen: 11.574 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 474059
Ion Ratio Lower Upper
119 100
134 26.4 21.1 31.7
91 24.6 19.7 29.5

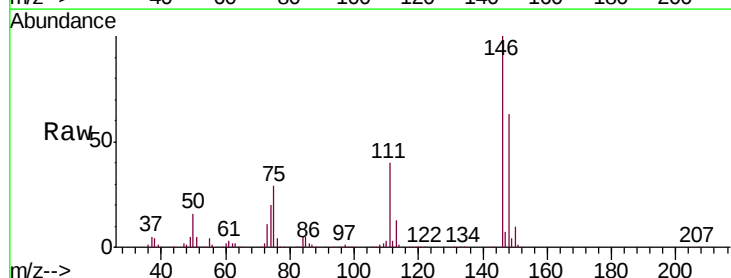


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

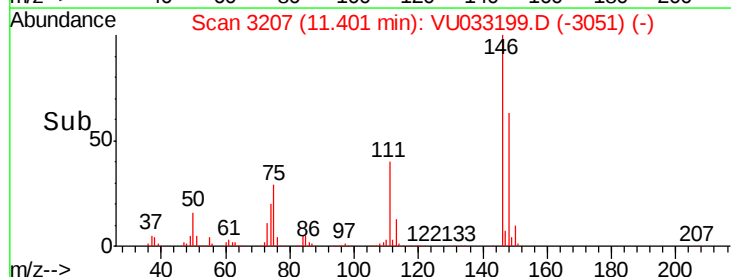
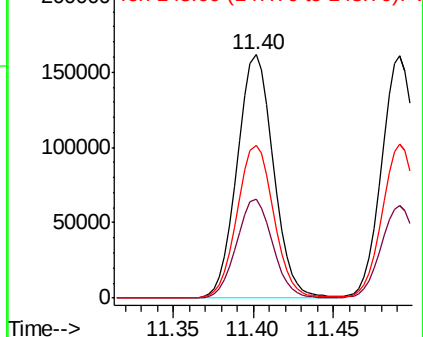


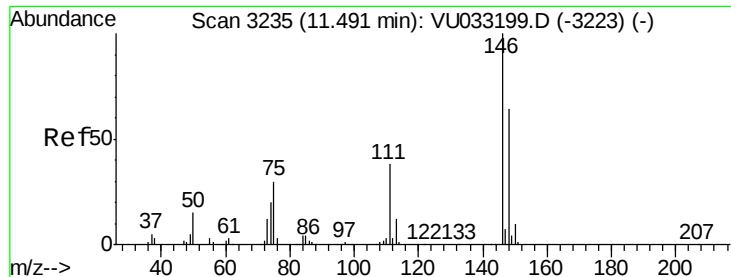
#82
1,3-Dichlorobenzene
Concen: 10.578 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion:146 Resp: 250022
Ion Ratio Lower Upper
146 100
111 40.3 32.2 48.4
148 63.5 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

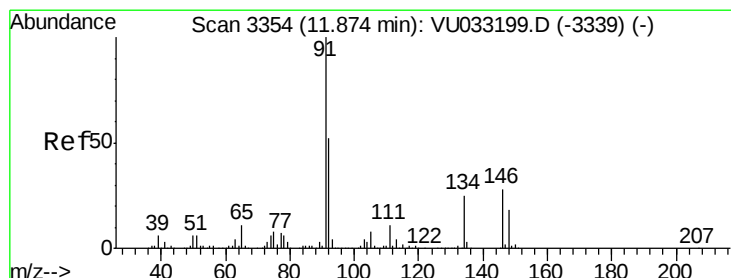
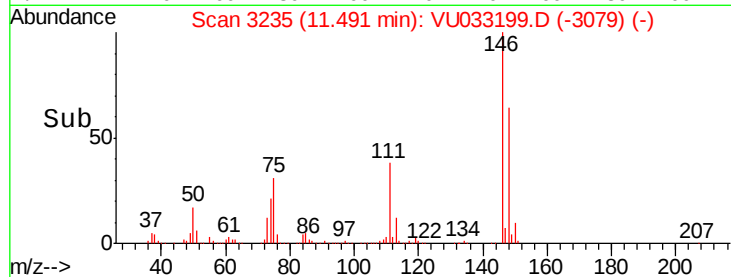
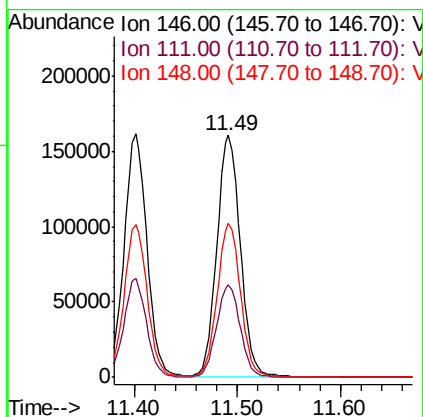
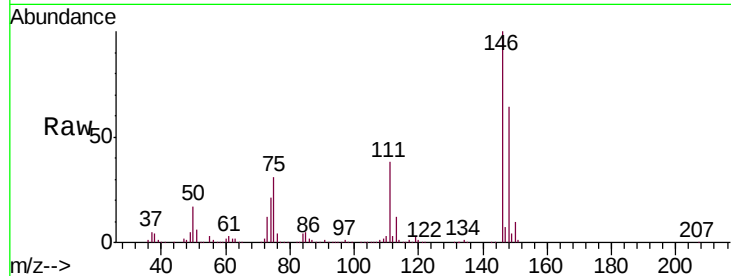




#83
 1,4-Dichlorobenzene
 Concen: 10.922 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

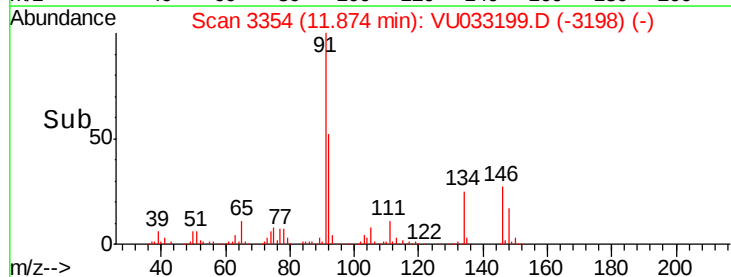
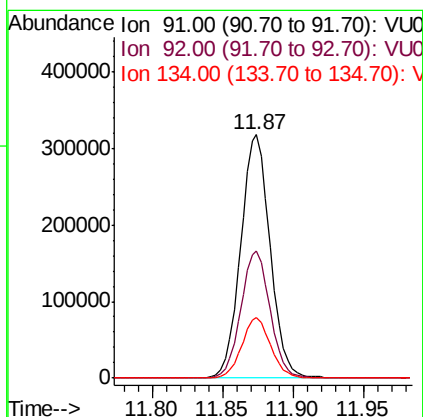
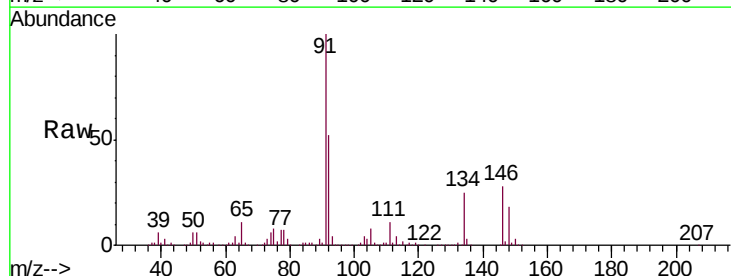
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

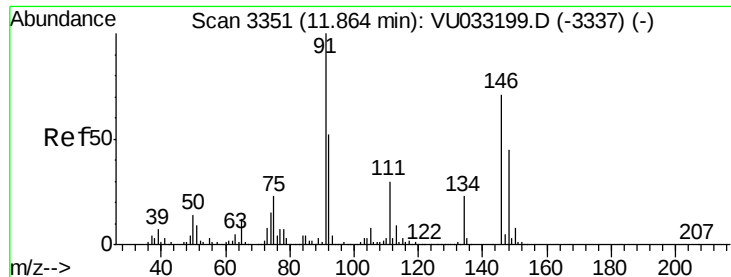
Tgt Ion: 146 Resp: 254451
 Ion Ratio Lower Upper
 146 100
 111 38.5 30.8 46.2
 148 63.3 50.6 76.0



#84
 n-Butylbenzene
 Concen: 11.617 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion: 91 Resp: 464857
 Ion Ratio Lower Upper
 91 100
 92 51.9 41.5 62.3
 134 24.5 19.6 29.4

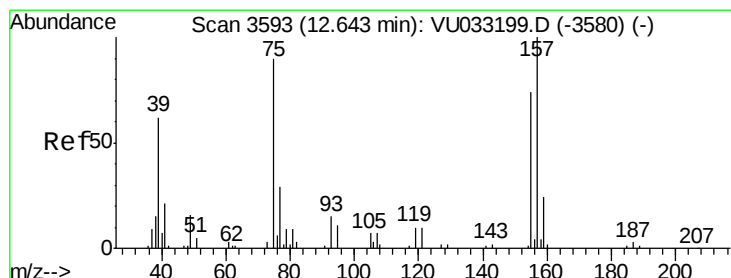
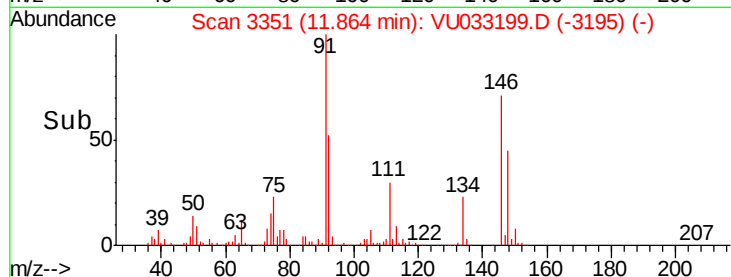
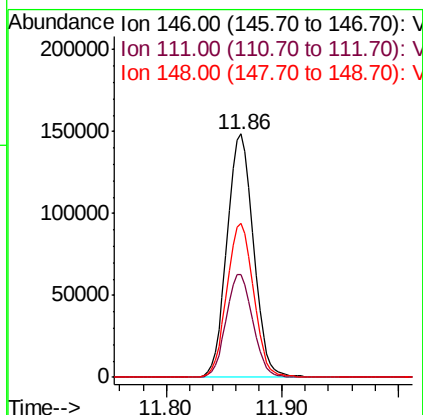
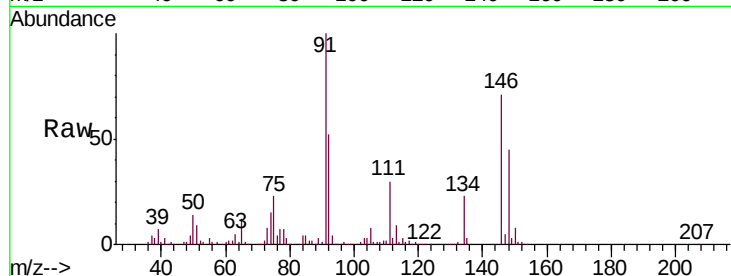




#85
 1,2-Dichlorobenzene
 Concen: 10.712 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

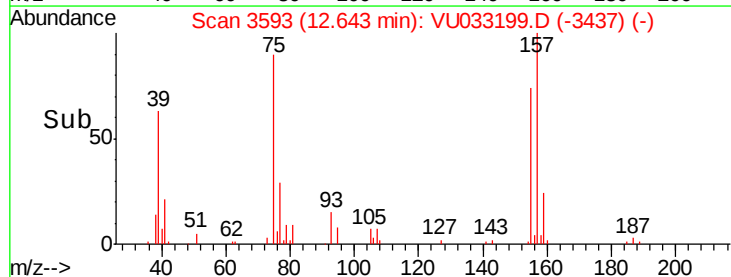
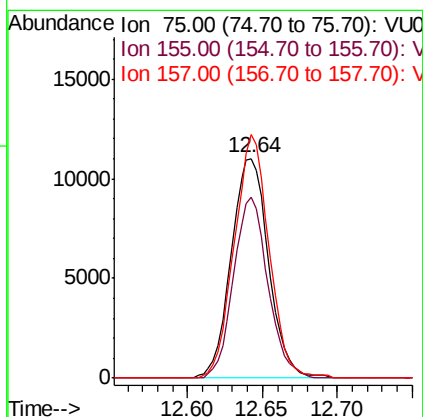
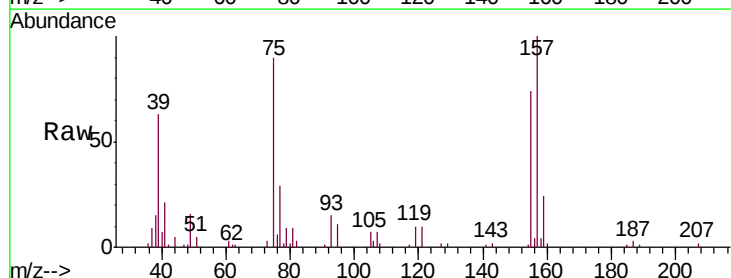
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

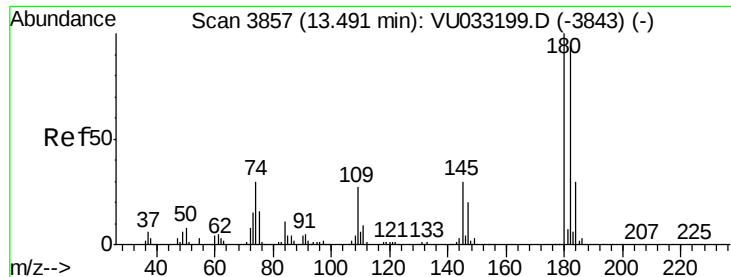
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	64.0	32.0	96.0



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.289 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033199.D
 Acq: 11 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	60.6	90.8
157	103.1	82.5	123.7





#87

1,2,4-Trichlorobenzene

Concen: 12.867 ug/l

RT: 13.49 min Scan# 3857

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

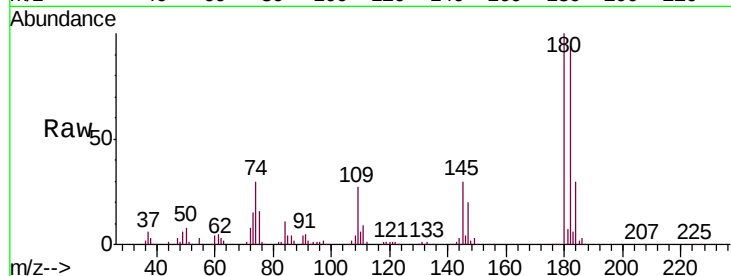
Tgt Ion:180 Resp: 155051

Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

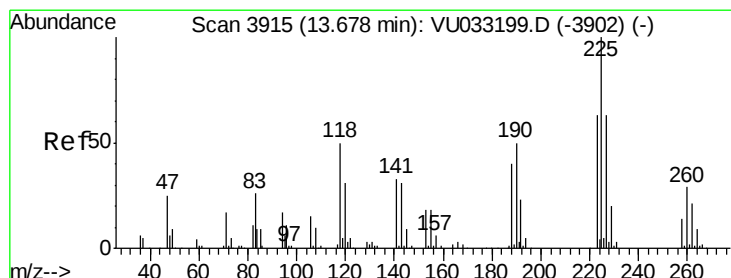
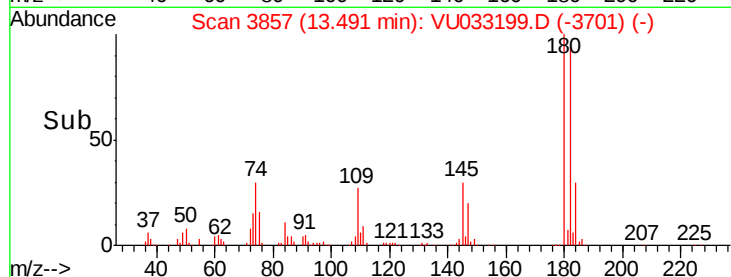
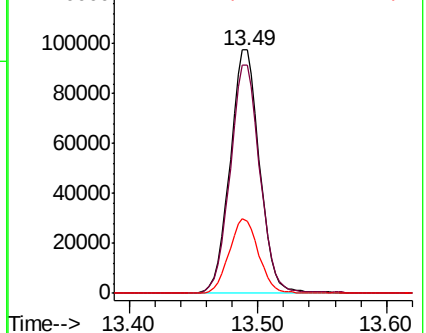
145 30.6 24.5 36.7



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 10.591 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. 0.00 min

Lab File: VU033199.D

Acq: 11 Jul 2019 18:42

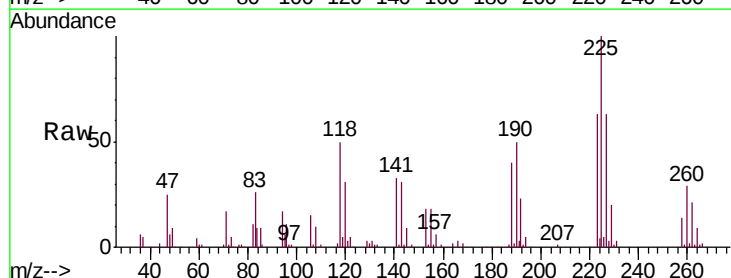
Tgt Ion:225 Resp: 82790

Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

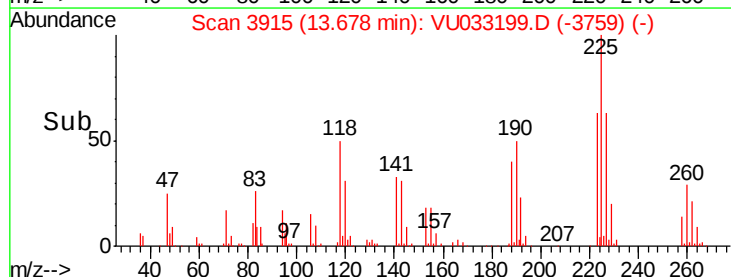
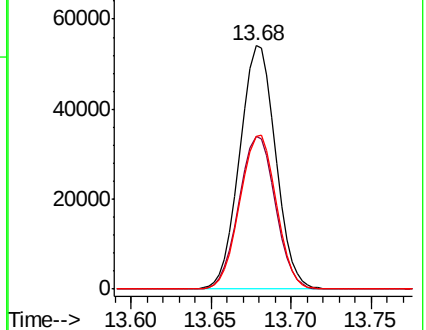
227 64.0 51.2 76.8

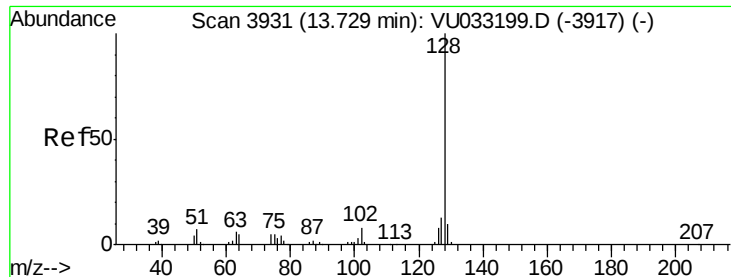


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V

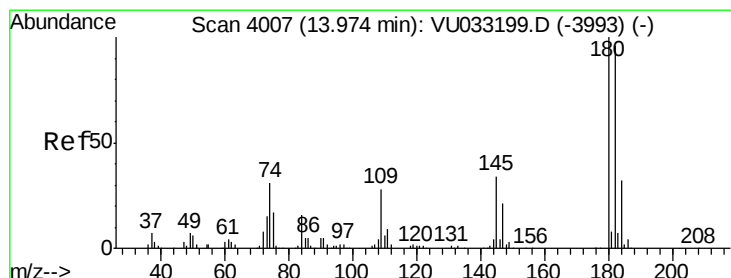
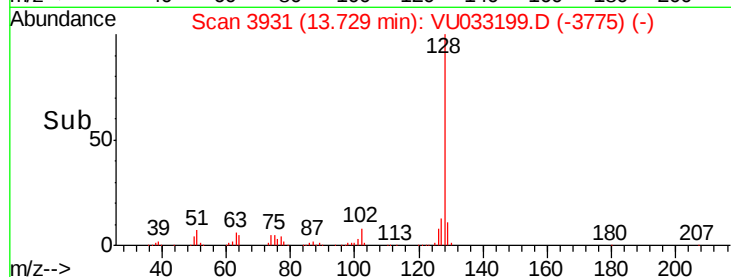
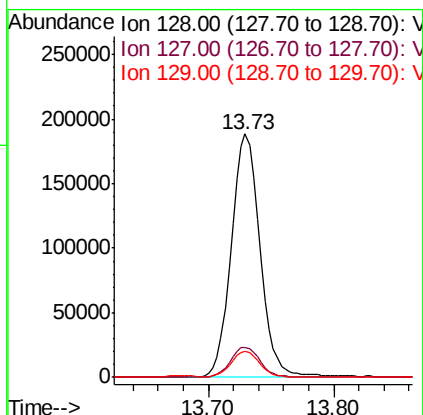
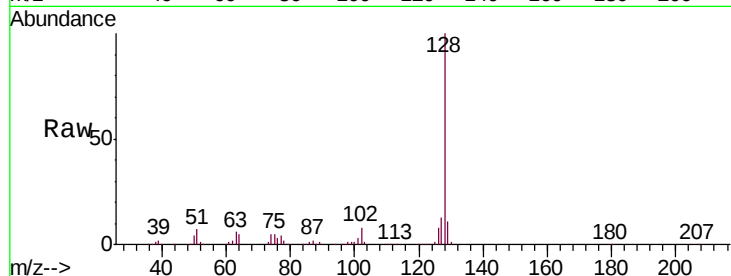




#89
Naphthalene
Concen: 14.862 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 300754
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 12.8



#90
1,2,3-Trichlorobenzene
Concen: 12.611 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033199.D
Acq: 11 Jul 2019 18:42

Tgt Ion:180 Resp: 147780
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 33.3 26.6 40.0

