

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033959.D
 Acq On : 26 Aug 2019 19:24
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU082719

Quant Time: Aug 27 07:05:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	421223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	701246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	671158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	353242	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	302222	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	4.86	113	234082	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	7.54	98	896529	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.29	95	335191	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	247644	50.349	ug/l	98
3) Chloromethane	1.32	50	297028	48.816	ug/l	100
4) Vinyl Chloride	1.39	62	320173	48.244	ug/l	99
5) Bromomethane	1.60	94	177044	61.481	ug/l	98
6) Chloroethane	1.68	64	195347	46.696	ug/l	99
7) Trichlorofluoromethane	1.87	101	364684	46.160	ug/l	99
8) Diethyl Ether	2.09	74	159384	46.958	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	216247	47.389	ug/l	100
10) Methyl Iodide	2.39	142	254489	40.251	ug/l	99
11) Tert butyl alcohol	2.80	59	299005	236.339	ug/l	100
12) 1,1-Dichloroethene	2.27	96	220395	47.103	ug/l	98
13) Acrolein	2.18	56	180600	240.036	ug/l	100
14) Allyl chloride	2.57	41	388489	46.251	ug/l	97
15) Acrylonitrile	2.91	53	826079	248.089	ug/l	99
16) Acetone	2.30	43	750178	208.211	ug/l	99
17) Carbon Disulfide	2.46	76	727909	46.914	ug/l	99
18) Methyl Acetate	2.59	43	385167	47.906	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	765520	51.187	ug/l	100
20) Methylene Chloride	2.68	84	261198	45.204	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	244602	47.449	ug/l	99
22) Diisopropyl ether	3.54	45	832236	51.250	ug/l	98
23) Vinyl Acetate	3.50	43	3696425	274.670	ug/l	100
24) 1,1-Dichloroethane	3.42	63	468114	47.082	ug/l	100
25) 2-Butanone	4.23	43	1132972	243.318	ug/l	100
26) 2,2-Dichloropropane	4.20	77	373531	46.333	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	270228	48.879	ug/l	100
28) Bromochloromethane	4.52	49	232481	48.002	ug/l	99
29) Tetrahydrofuran	4.61	42	720195	255.708	ug/l	99
30) Chloroform	4.65	83	444173	45.024	ug/l	99
31) Cyclohexane	4.97	56	429655	48.861	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	376688	46.700	ug/l	100
36) 1,1-Dichloropropene	5.11	75	345315	47.693	ug/l	99
37) Ethyl Acetate	4.35	43	415266	48.449	ug/l	99
38) Carbon Tetrachloride	5.11	117	325129	45.094	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	403002	50.281	ug/l	99
40) Benzene	5.36	78	1020144	47.410	ug/l	100
41) Methacrylonitrile	4.51	41	223440	51.730	ug/l	99
42) 1,2-Dichloroethane	5.38	62	367995	46.319	ug/l	99
43) Isopropyl Acetate	5.52	43	632970	50.348	ug/l	100
44) Trichloroethene	6.16	130	254590	45.716	ug/l	98
45) 1,2-Dichloropropane	6.41	63	278385	46.733	ug/l	99
46) Dibromomethane	6.54	93	181089	47.303	ug/l	99
47) Bromodichloromethane	6.73	83	358100	46.258	ug/l	99
48) Methyl methacrylate	6.60	41	304404	46.611	ug/l	99
49) 1,4-Dioxane	6.59	88	118829	931.264	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	2096602	245.649	ug/l	99
52) Toluene	7.62	92	616260	49.318	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	409285	50.763	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	443960	49.679	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	250175	45.394	ug/l	99
56) Ethyl methacrylate	8.00	69	412799	46.565	ug/l	98
57) 1,3-Dichloropropane	8.22	76	451461	47.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	722712	214.641	ug/l	99
59) 2-Hexanone	8.34	43	1609073	247.266	ug/l	99
60) Dibromochloromethane	8.46	129	273275	47.630	ug/l	100
61) 1,2-Dibromoethane	8.57	107	271761	47.562	ug/l	99
64) Tetrachloroethene	8.21	164	219095	45.529	ug/l	99
65) Chlorobenzene	9.10	112	658437	47.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	240655	47.022	ug/l	99
67) Ethyl Benzene	9.23	91	1173750	51.613	ug/l	100
68) m/p-Xylenes	9.35	106	890033	106.278	ug/l	99
69) o-Xylene	9.76	106	422912	52.829	ug/l	100
70) Styrene	9.77	104	740414	53.394	ug/l	100
71) Bromoform	9.94	173	207033	48.047	ug/l #	98
73) Isopropylbenzene	10.15	105	1149648	52.658	ug/l	99
74) N-amyl acetate	10.00	43	543565	47.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	434679	46.527	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	502850	61.532	ug/l	86
77) Bromobenzene	10.43	156	287239	49.281	ug/l	100
78) n-propylbenzene	10.57	91	1363368	52.230	ug/l	100
79) 2-Chlorotoluene	10.64	91	805175	51.510	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	979185	52.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	502823	164.062	ug/l #	100
82) 4-Chlorotoluene	10.75	91	940224	51.172	ug/l	100
83) tert-Butylbenzene	11.08	119	923659	52.911	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	974765	53.627	ug/l	100
85) sec-Butylbenzene	11.31	105	1152113	52.610	ug/l	100
86) p-Isopropyltoluene	11.46	119	1052970	53.034	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	527988	47.797	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	526696	46.206	ug/l	100
89) n-Butylbenzene	11.87	91	984567	46.997	ug/l	100
90) Hexachloroethane	12.12	117	189890	48.836	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	514016	48.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	96641	50.388	ug/l	97

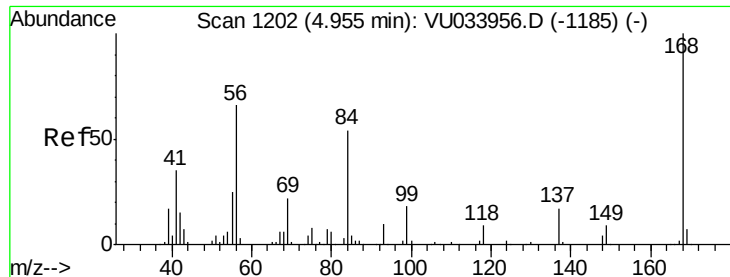
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	360670	47.583	ug/l	100
94) Hexachlorobutadiene	13.67	225	191526	48.497	ug/l	100
95) Naphthalene	13.73	128	1083323	47.595	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	359512	48.356	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

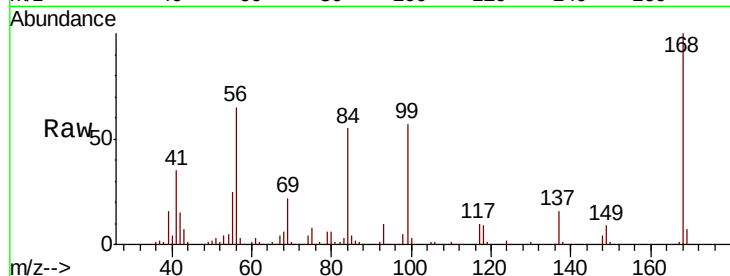
ICVVU082719

Tot Ion:168 Resp: 421223

Ion Ratio Lower Upper

168 100

99 57.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033959.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033959.D (-1185) (-)

4.95

200000

150000

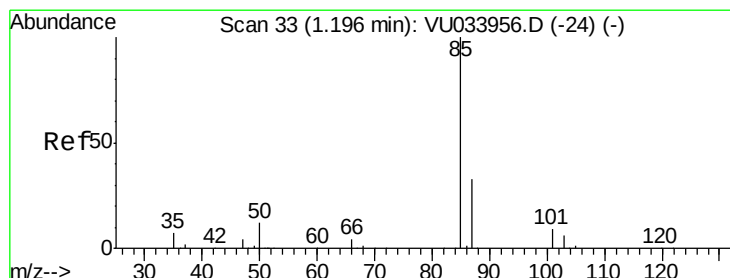
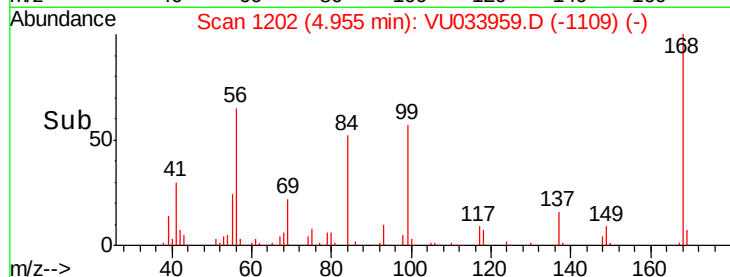
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.349 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033959.D

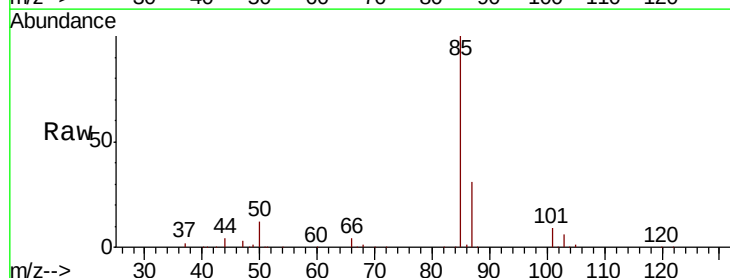
Acq: 26 Aug 2019 19:24

Tgt Ion: 85 Resp: 247644

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033959.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033959.D (-1) (-)

1.20

250000

200000

150000

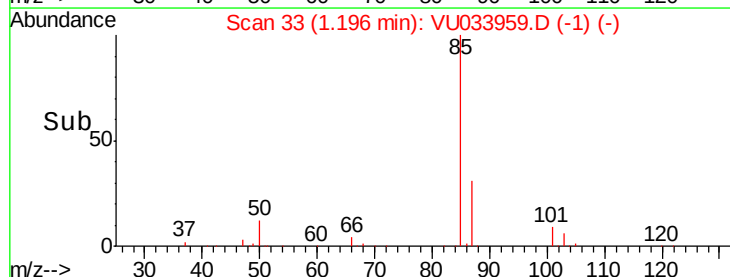
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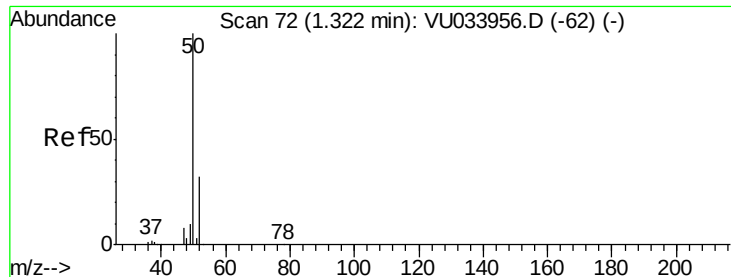
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.816 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

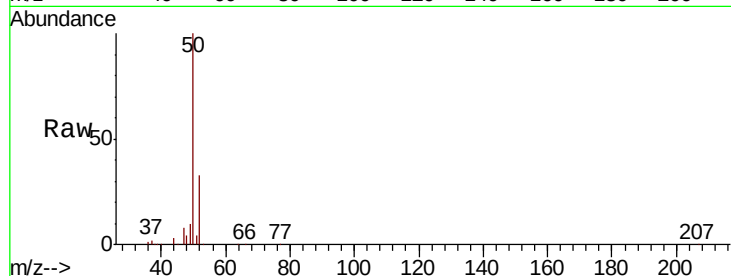
ICVVU082719

Tot Ion: 50 Resp: 297028

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU033959.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033959.D (-1) (-)

1.32

300000

250000

200000

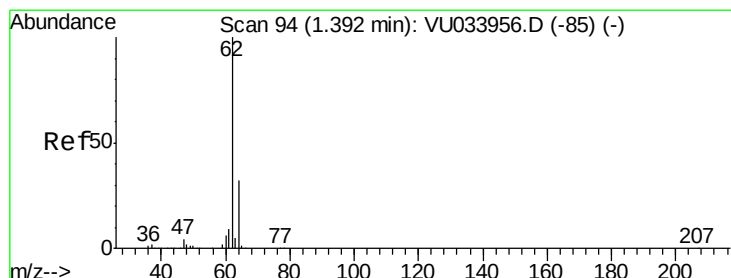
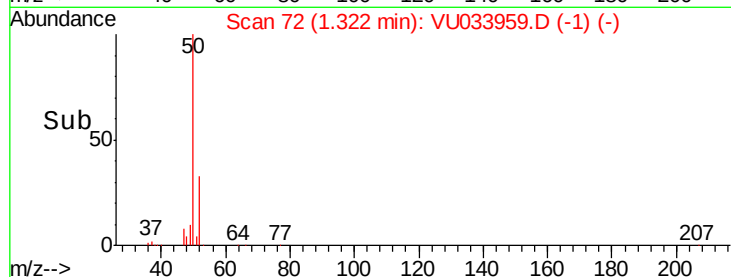
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.244 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033959.D

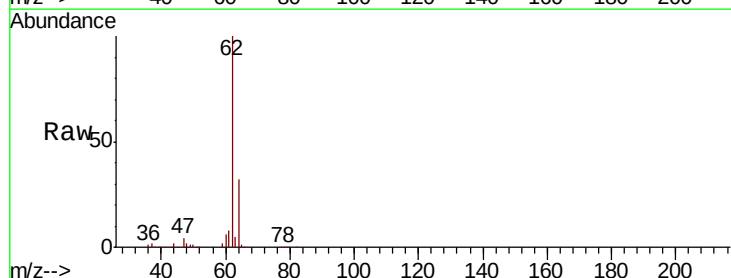
Acq: 26 Aug 2019 19:24

Tgt Ion: 62 Resp: 320173

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033959.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU033959.D (-1) (-)

1.39

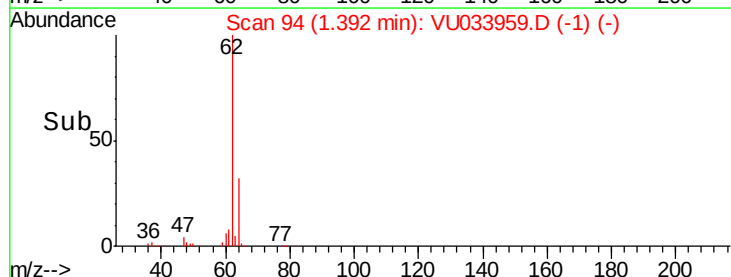
300000

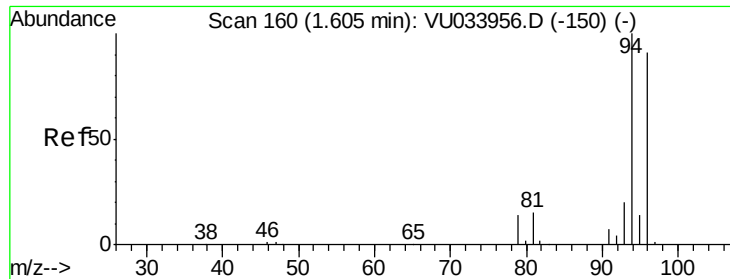
200000

100000

0

Time-->





#5

Bromomethane

Concen: 61.481 ug/l

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

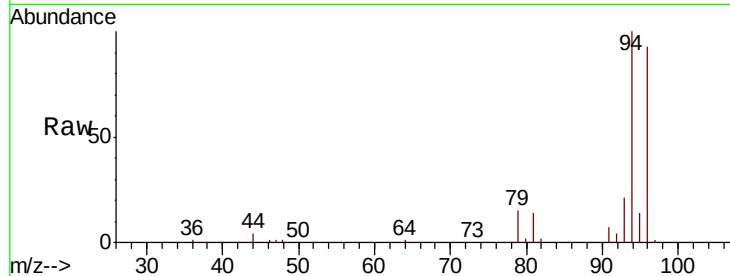
ICVVU082719

Tot Ion: 94 Resp: 177044

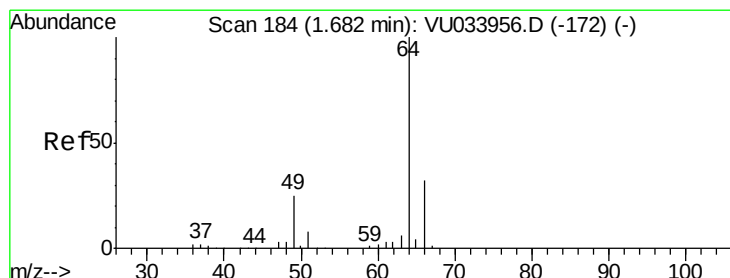
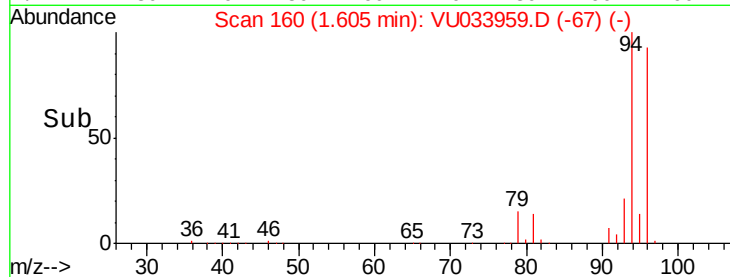
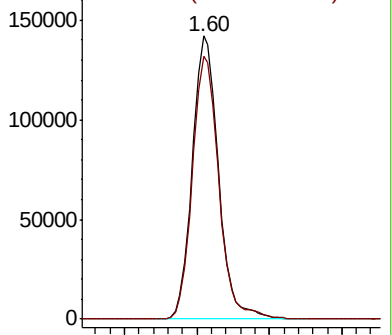
Ion Ratio Lower Upper

94 100

96 93.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU033959.D (-93)



#6

Chloroethane

Concen: 46.696 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.00 min

Lab File: VU033959.D

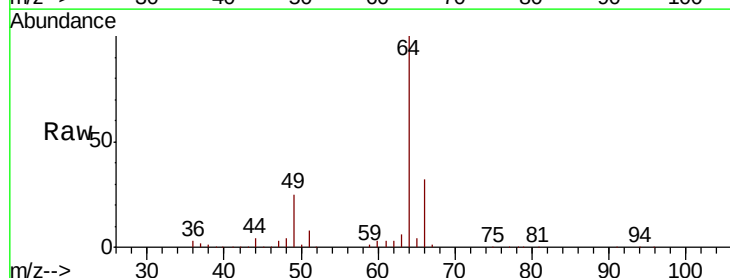
Acq: 26 Aug 2019 19:24

Tgt Ion: 64 Resp: 195347

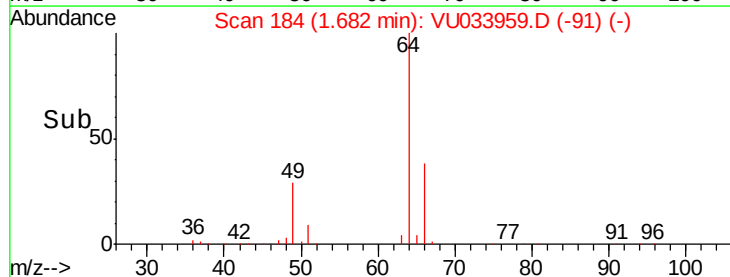
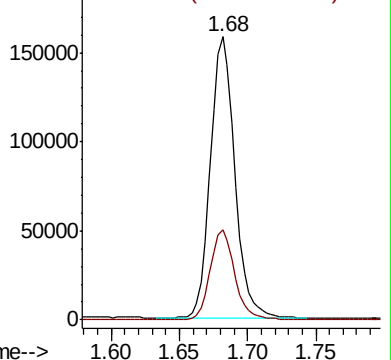
Ion Ratio Lower Upper

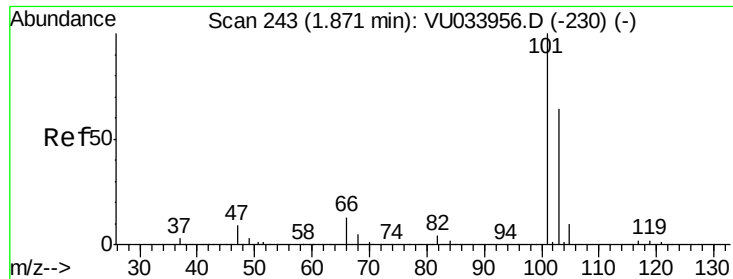
64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033959.D (-63)



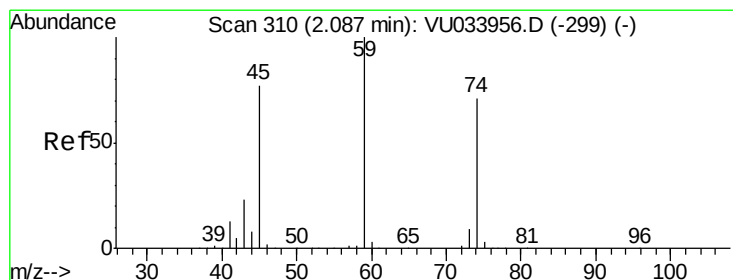
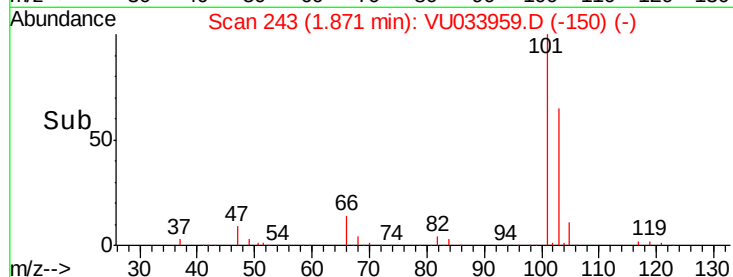
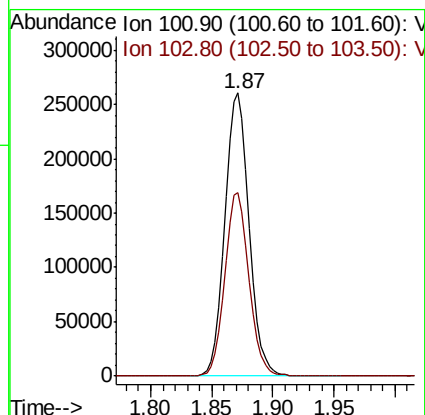
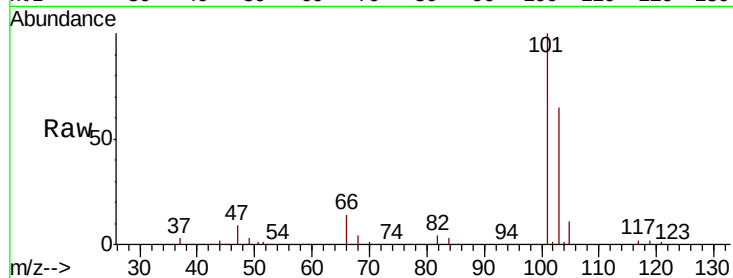


#7

Trichlorofluoromethane
 Concen: 46.160 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
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 ClientSampleId :
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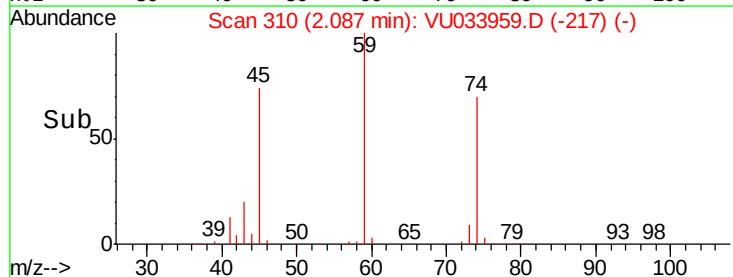
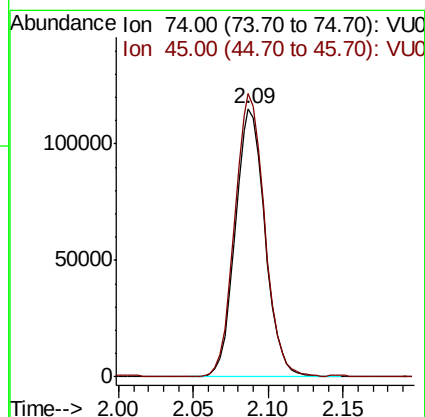
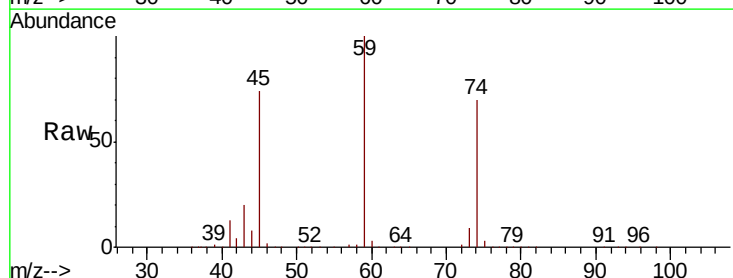
Tot Ion:101 Resp: 364684
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

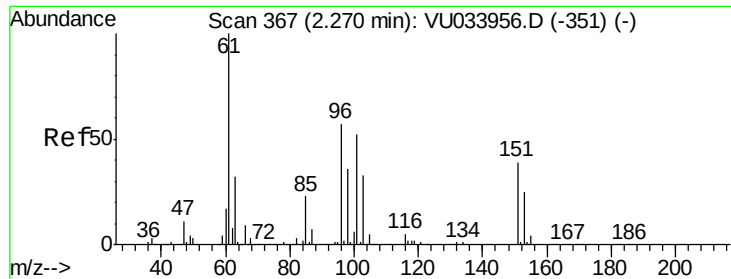


#8

Diethyl Ether
 Concen: 46.958 ug/l
 RT: 2.09 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 74 Resp: 159384
 Ion Ratio Lower Upper
 74 100
 45 105.7 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.389 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

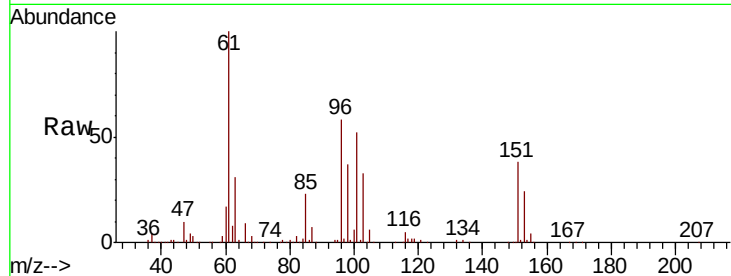
Tot Ion:101 Resp: 216247

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.6

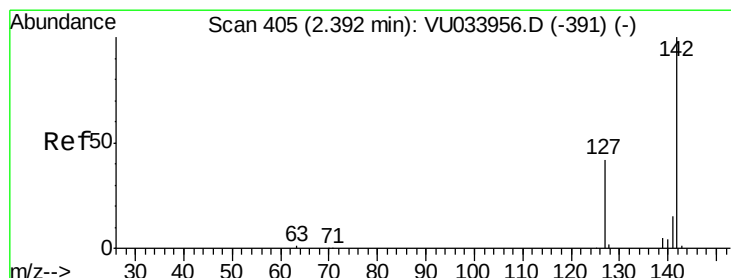
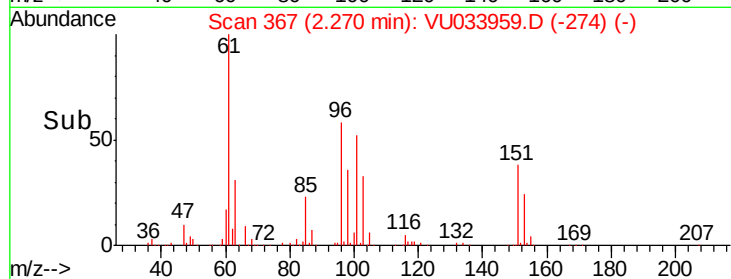
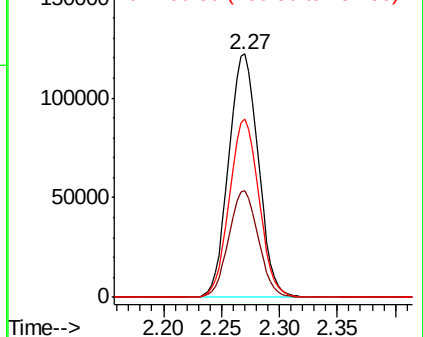
151 72.9 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.251 ug/l

RT: 2.39 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

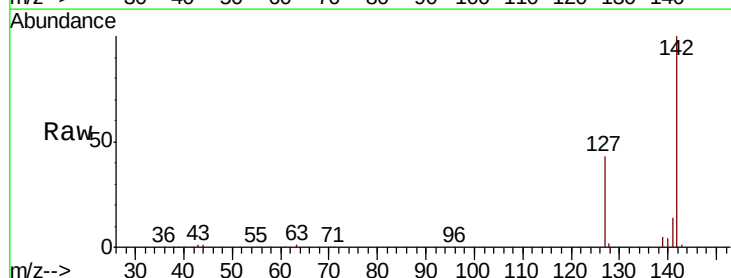
Tgt Ion:142 Resp: 254489

Ion Ratio Lower Upper

142 100

127 43.1 34.3 51.5

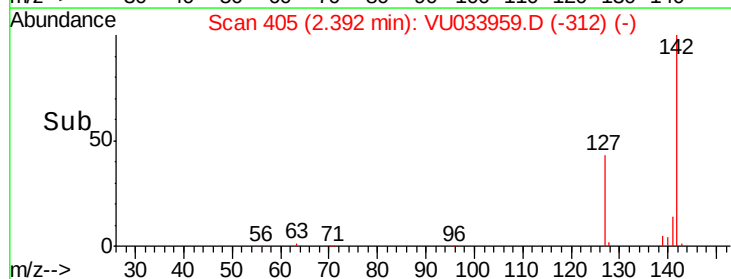
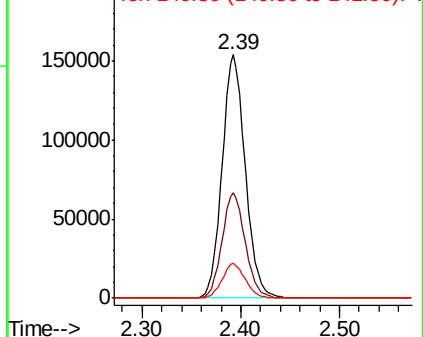
141 14.3 11.8 17.6

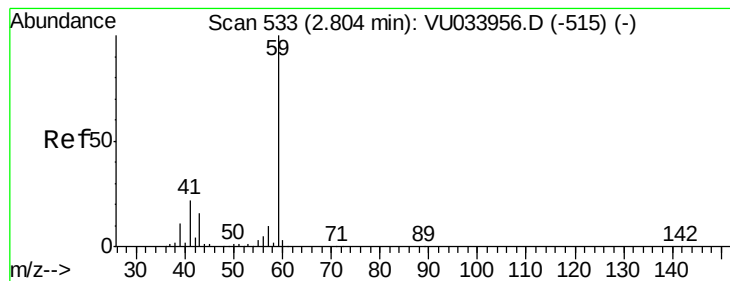


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



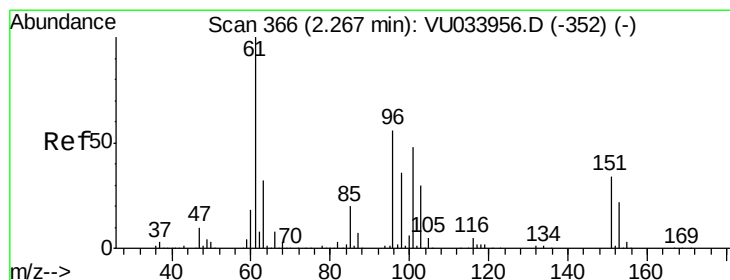
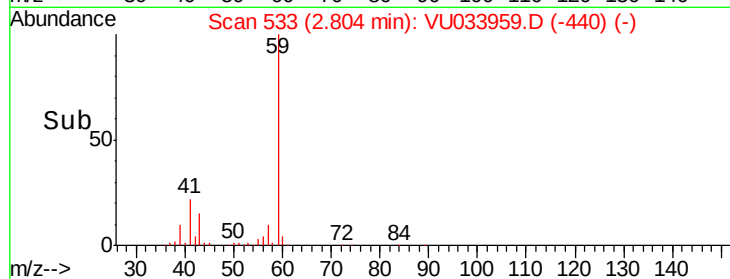
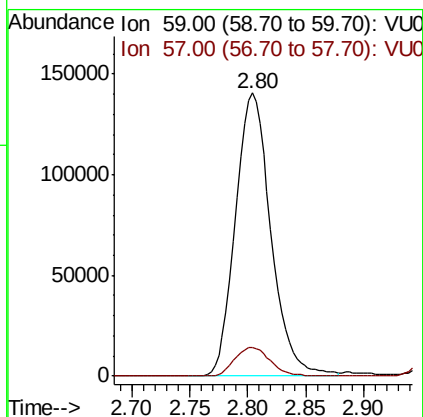
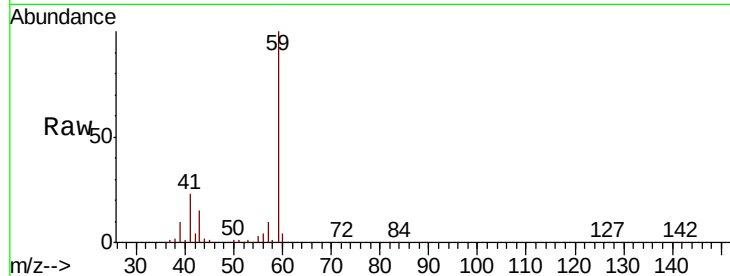


#11

Tert butyl alcohol
 Concen: 236.339 ug/l
 RT: 2.80 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

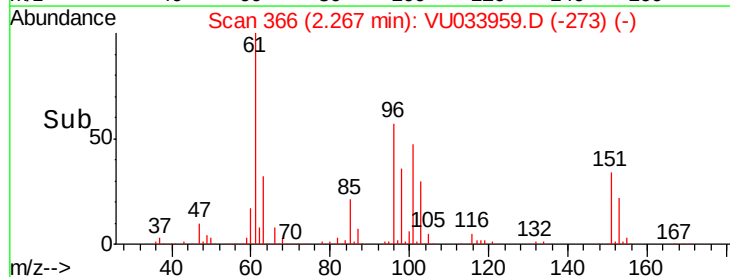
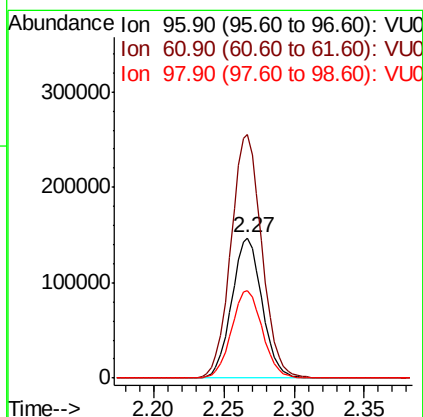
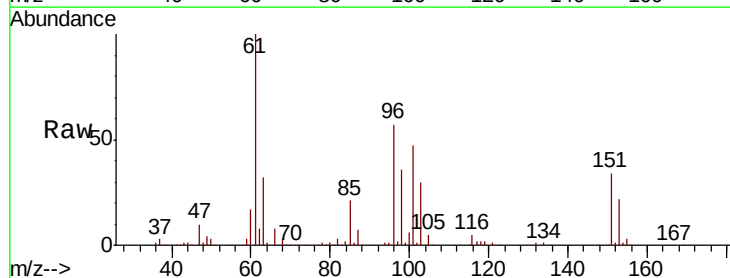
Tot Ion: 59 Resp: 299005
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

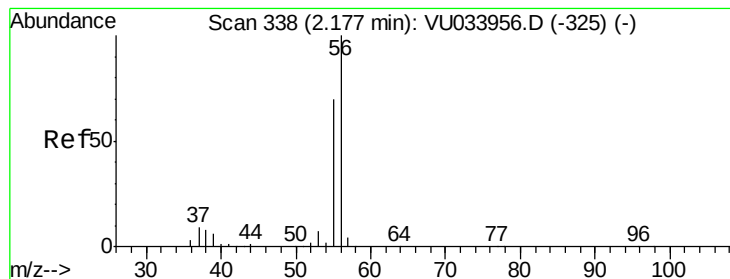


#12

1,1-Dichloroethene
 Concen: 47.103 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 96 Resp: 220395
 Ion Ratio Lower Upper
 96 100
 61 174.2 142.3 213.5
 98 63.0 51.0 76.6





#13

Acrolein

Concen: 240.036 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

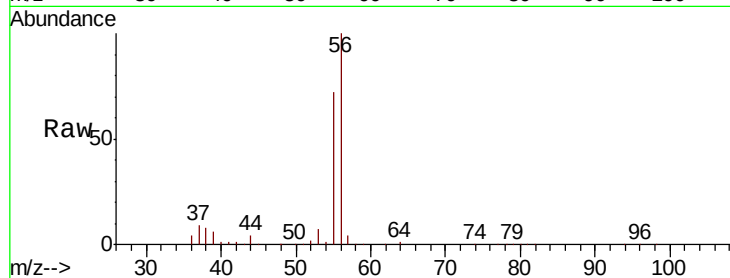
ICVVU082719

Tot Ion: 56 Resp: 180600

Ion Ratio Lower Upper

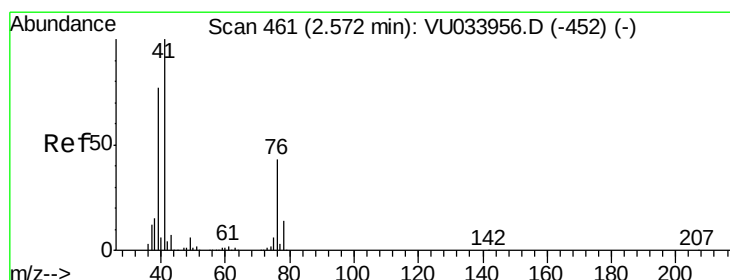
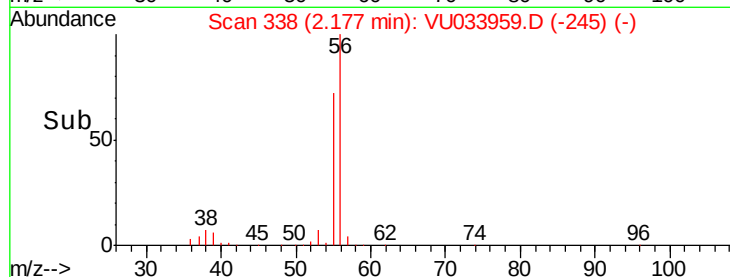
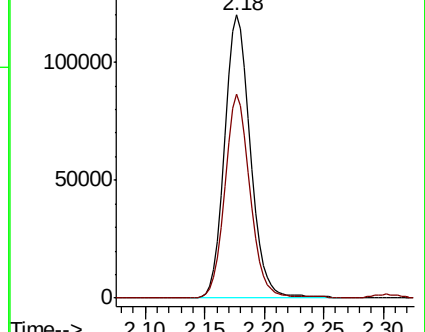
56 100

55 70.7 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VU033959.D (-245) (-)

Ion 55.00 (54.70 to 55.70): VU033959.D (-245) (-)



#14

Allyl chloride

Concen: 46.251 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

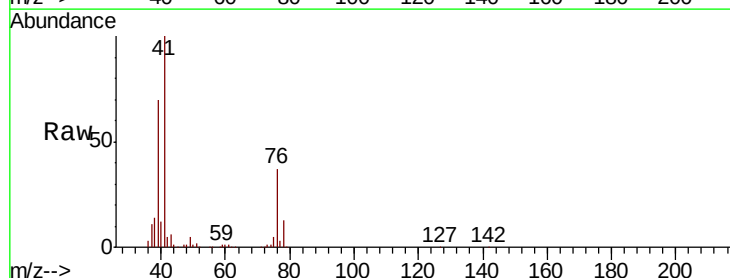
Tgt Ion: 41 Resp: 388489

Ion Ratio Lower Upper

41 100

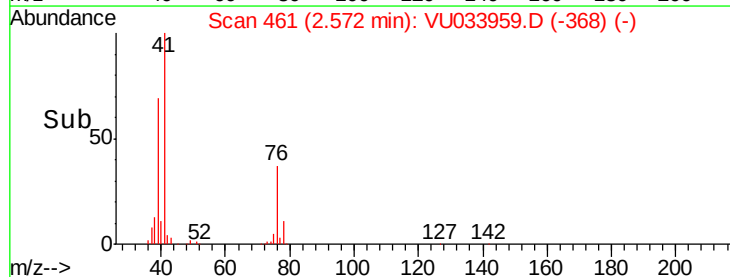
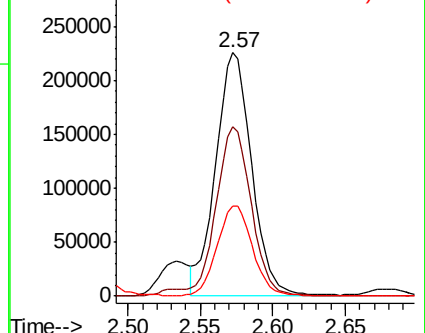
39 67.1 56.4 84.6

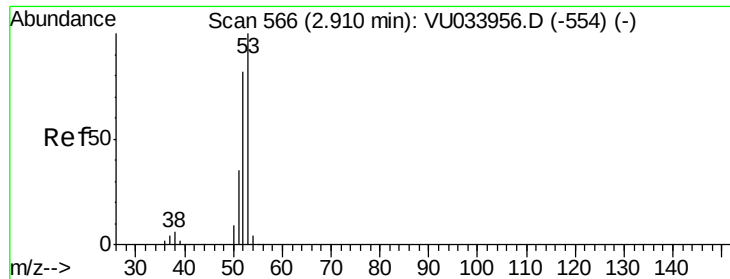
76 36.4 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VU033959.D (-368) (-)

Ion 39.00 (38.70 to 39.70): VU033959.D (-368) (-)





#15

Acrylonitrile

Concen: 248.089 ug/l

RT: 2.91 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

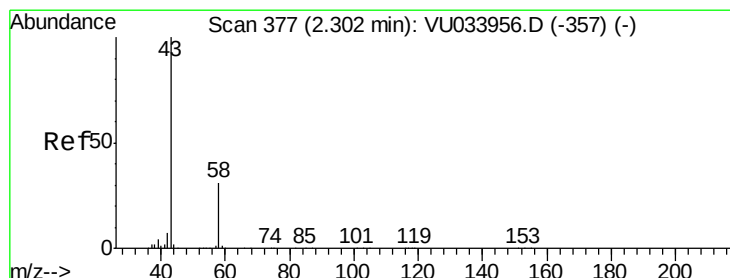
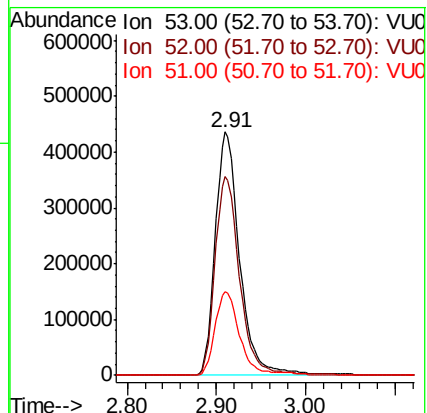
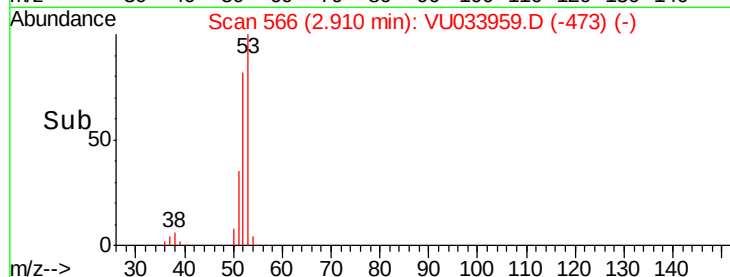
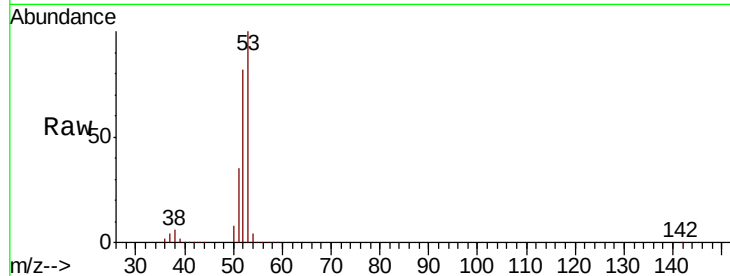
MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 53 Resp: 826079

Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.4	28.6	43.0



#16

Acetone

Concen: 208.211 ug/l

RT: 2.30 min Scan# 377

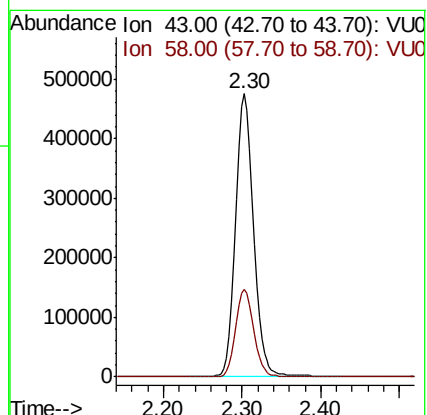
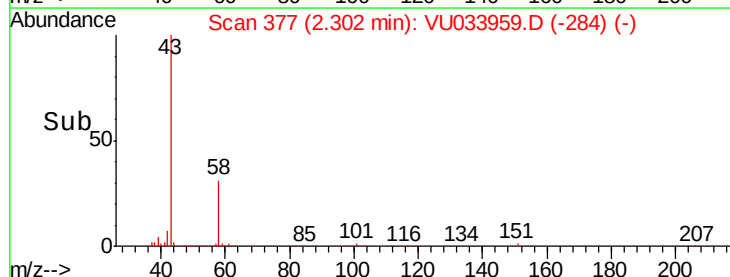
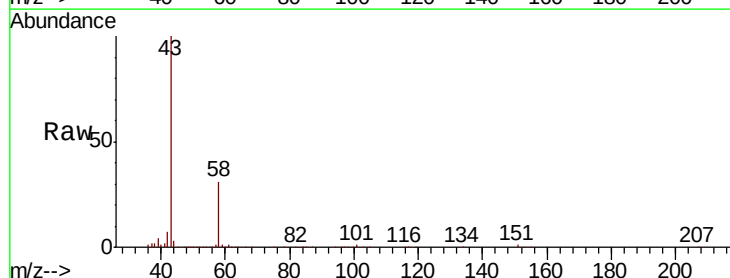
Delta R.T. -0.00 min

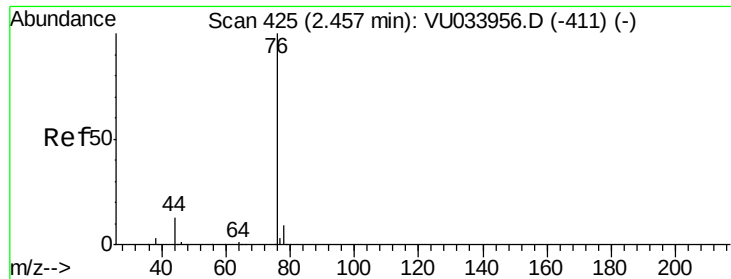
Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion: 43 Resp: 750178

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.5	36.7

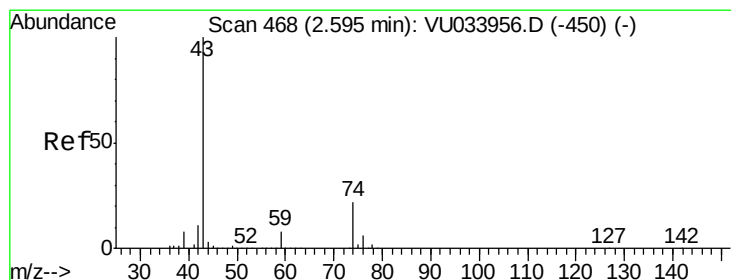
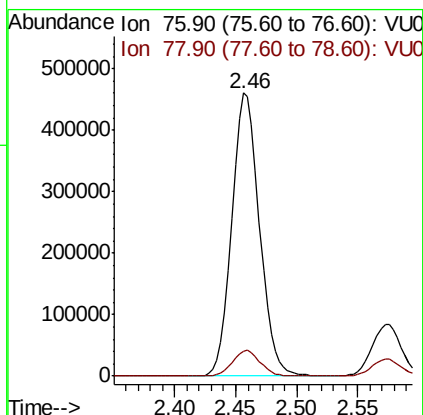
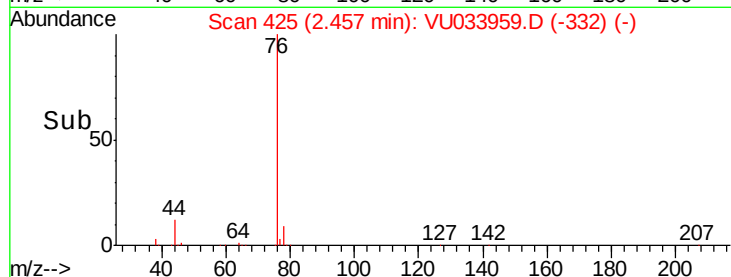
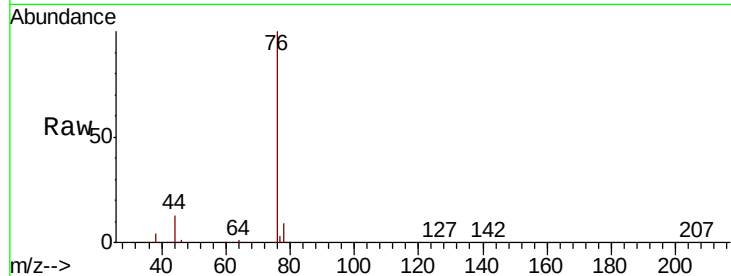




#17
Carbon Disulfide
Concen: 46.914 ug/l
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

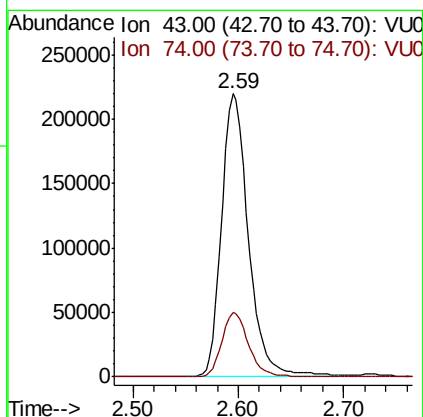
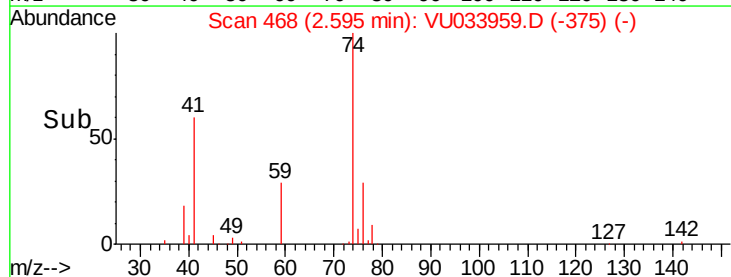
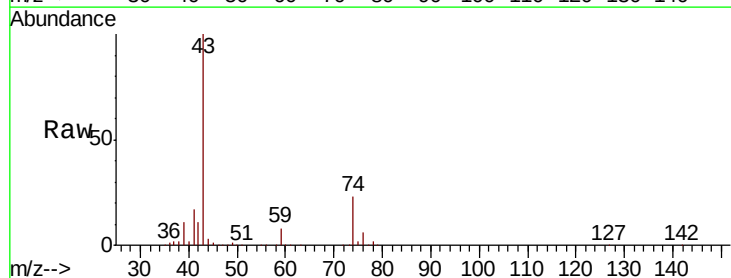
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

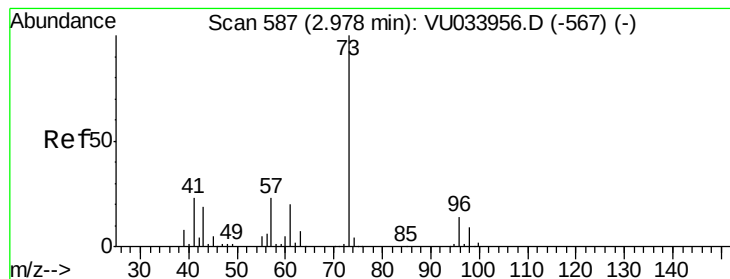
Tot Ion: 76 Resp: 727909
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 47.906 ug/l
RT: 2.59 min Scan# 468
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 43 Resp: 385167
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.2



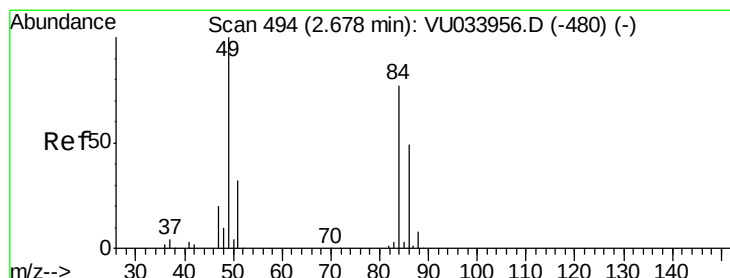
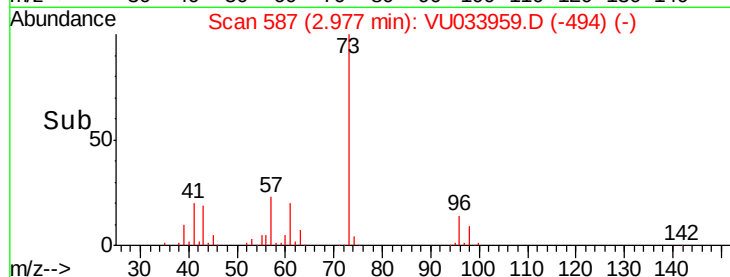
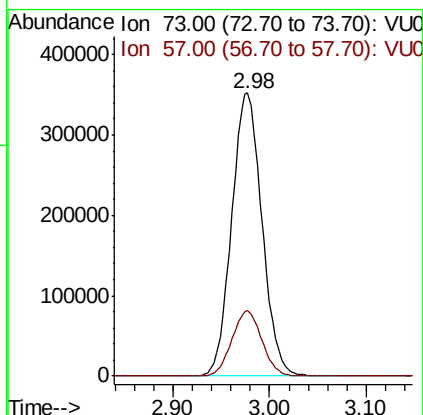
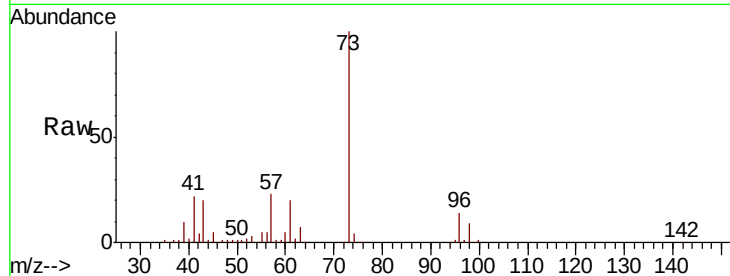


#19

Methyl tert-butyl Ether
 Concen: 51.187 ug/l
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

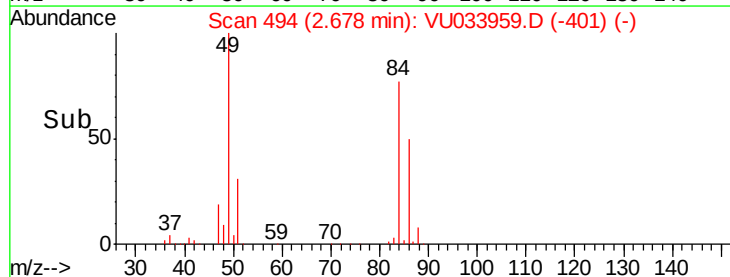
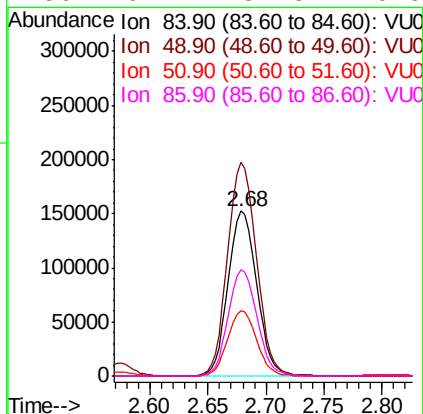
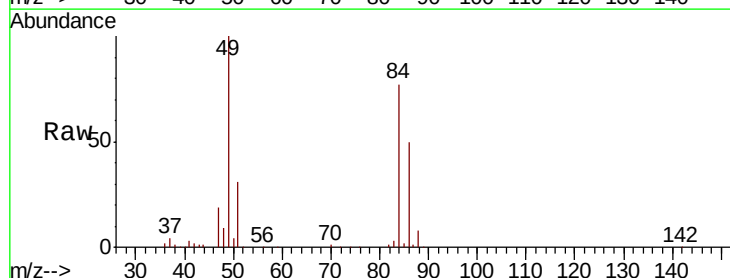
Tot Ion: 73 Resp: 76520
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.3 27.5

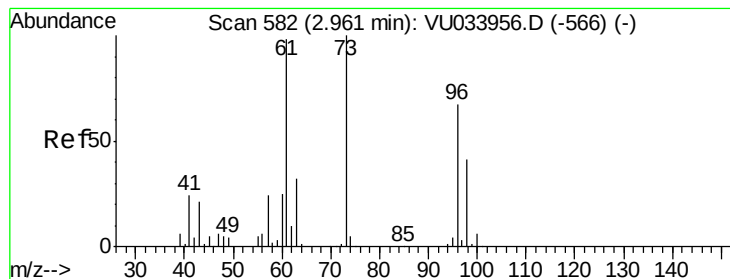


#20

Methylene Chloride
 Concen: 45.204 ug/l
 RT: 2.68 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 84 Resp: 261198
 Ion Ratio Lower Upper
 84 100
 49 129.6 104.1 156.1
 51 40.0 33.0 49.6
 86 64.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 47.449 ug/l

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

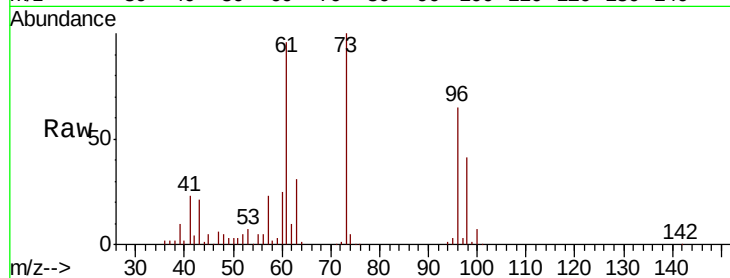
Tot Ion: 96 Resp: 244602

Ion Ratio Lower Upper

96 100

61 147.4 117.8 176.8

98 63.7 49.8 74.8

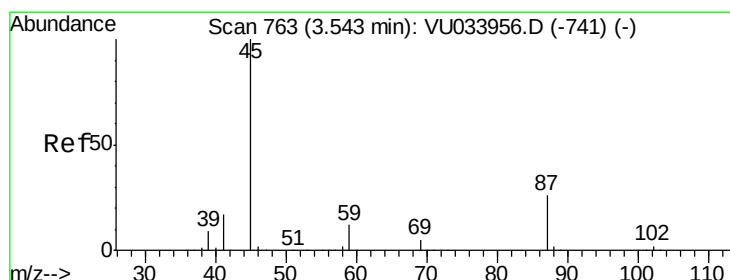
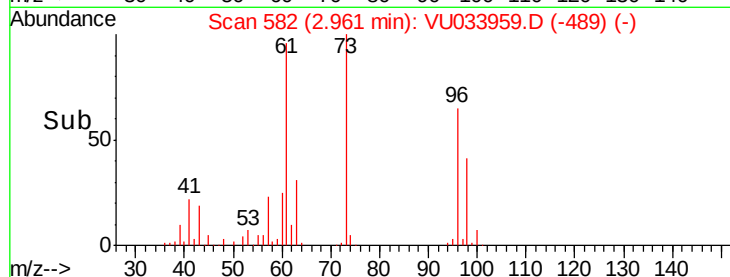
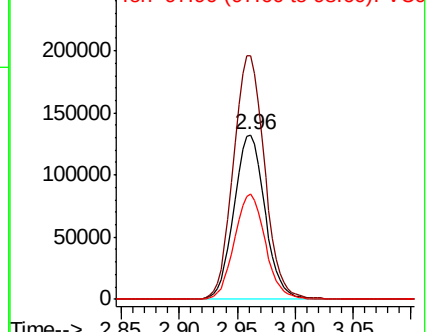


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 51.250 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion: 45 Resp: 832236

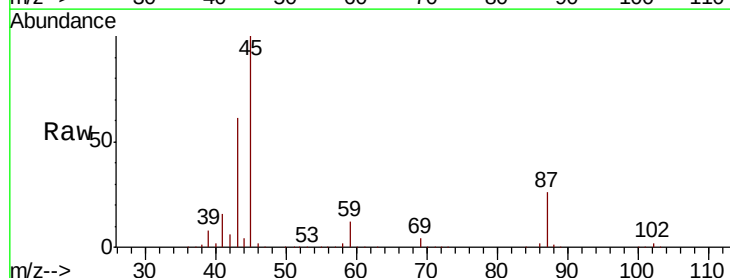
Ion Ratio Lower Upper

45 100

43 60.7 50.6 76.0

87 26.3 21.2 31.8

59 11.8 9.6 14.4



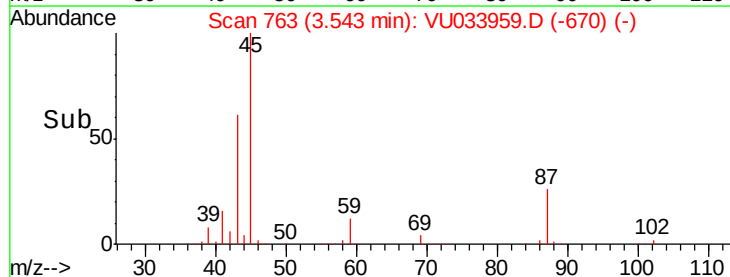
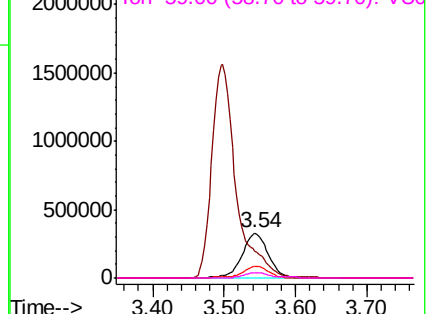
Abundance

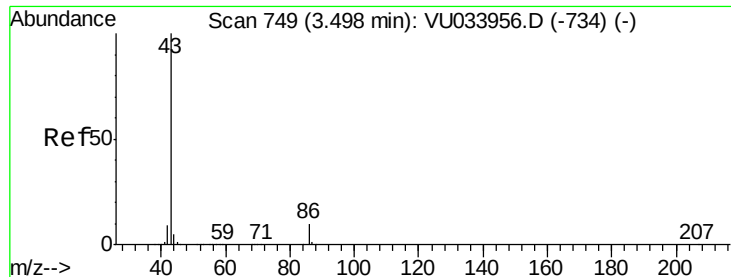
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 274.670 ug/l

RT: 3.50 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

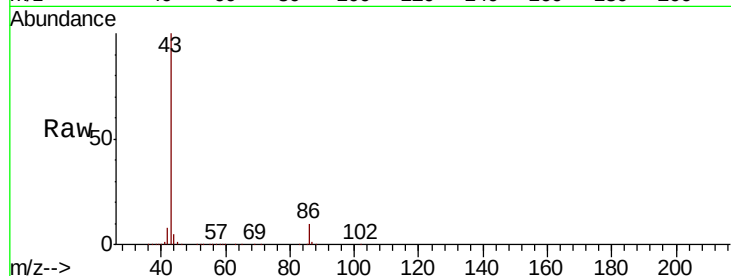
ICVVU082719

Tot Ion: 43 Resp: 3696425

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VU033959.D (-656) (-)

Ion 86.00 (85.70 to 86.70): VU033959.D (-656) (-)

3.50

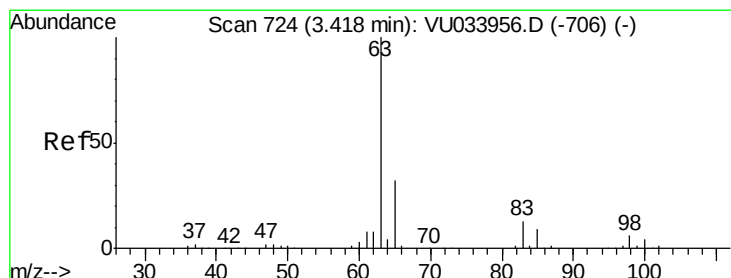
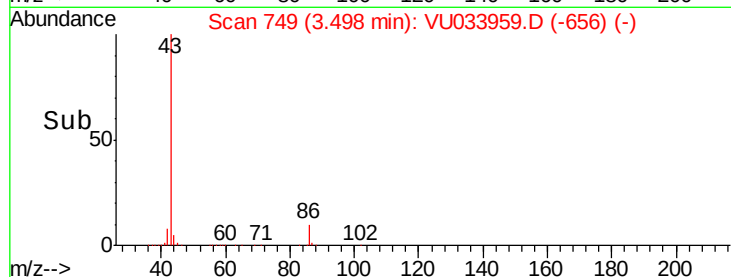
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.082 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

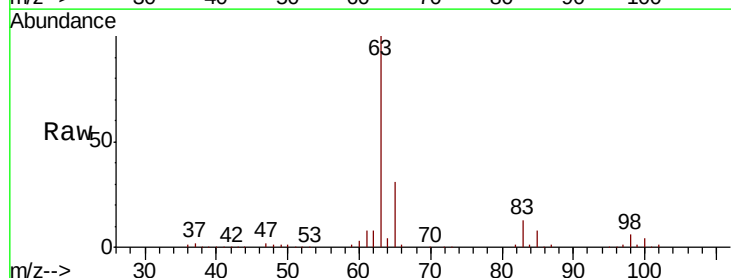
Tgt Ion: 63 Resp: 468114

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU033959.D (-631) (-)

Ion 97.90 (97.60 to 98.60): VU033959.D (-631) (-)

Ion 99.90 (99.60 to 100.60): VU033959.D (-631) (-)

3.42

250000

200000

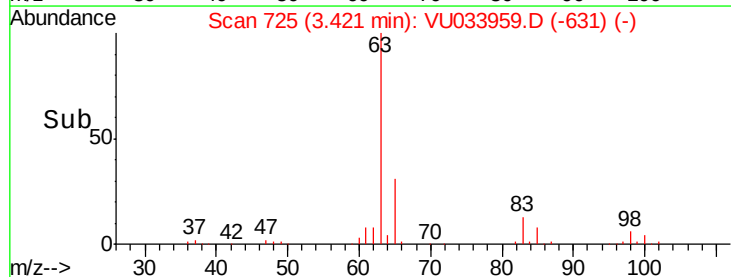
150000

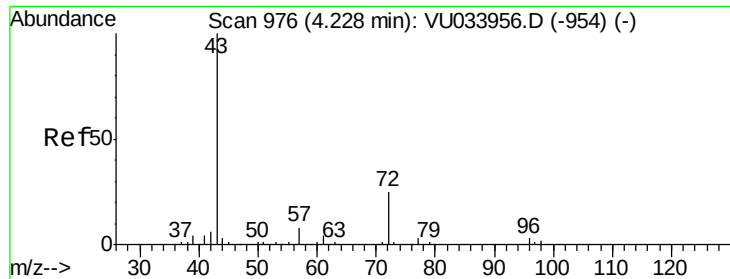
100000

50000

0

Time-->





#25

2-Butanone

Concen: 243.318 ug/l

RT: 4.23 min Scan# 976

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

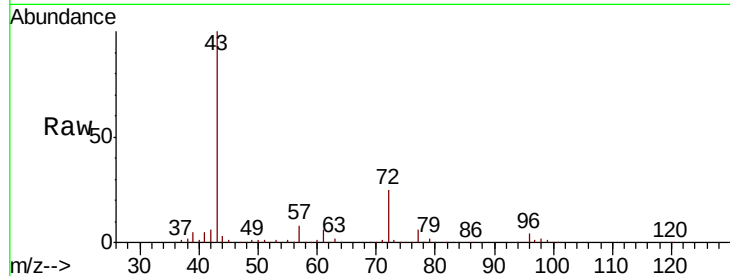
ICVVU082719

Tot Ion: 43 Resp: 1132972

Ion Ratio Lower Upper

43 100

72 25.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU033956.D (-954) (-)

4.23

500000

400000

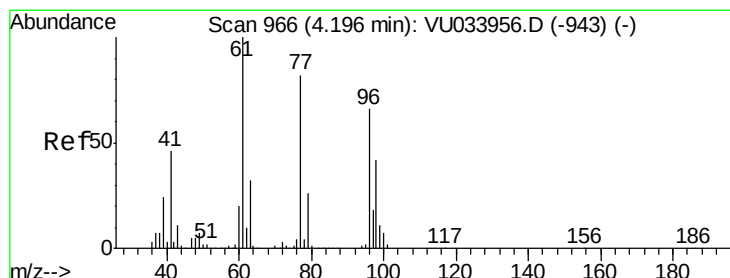
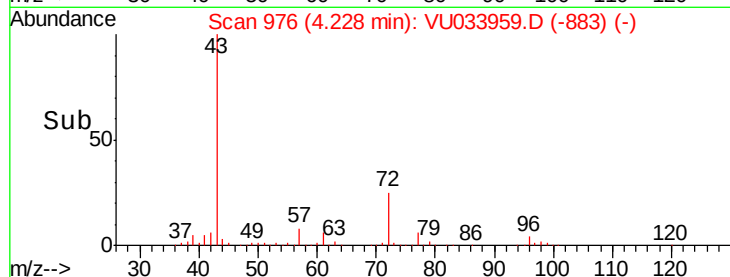
300000

200000

100000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 46.333 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033959.D

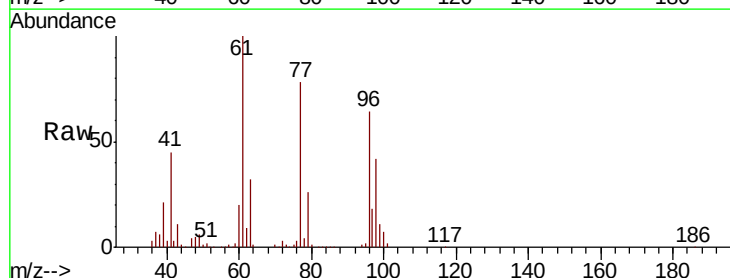
Acq: 26 Aug 2019 19:24

Tgt Ion: 77 Resp: 373531

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU033956.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU033956.D (-943) (-)

4.20

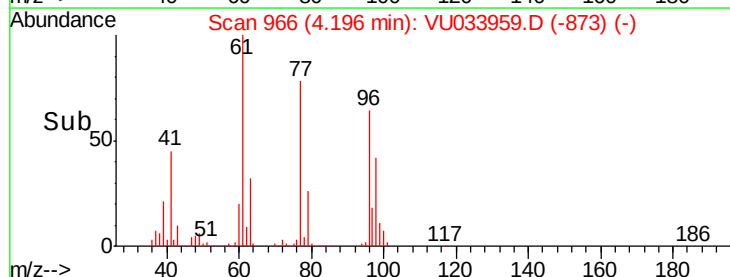
150000

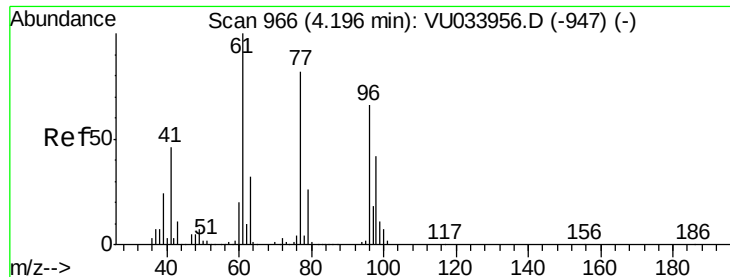
100000

50000

0

Time--> 4.10 4.20 4.30



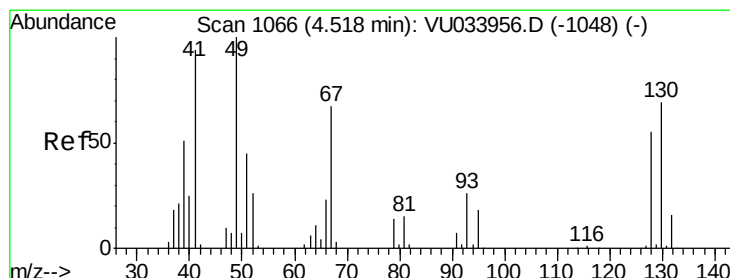
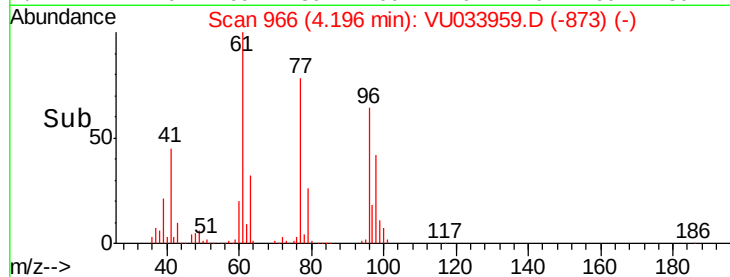
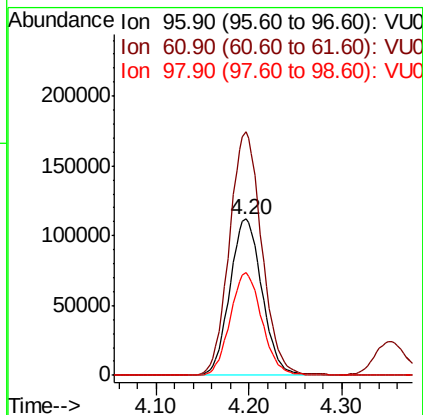
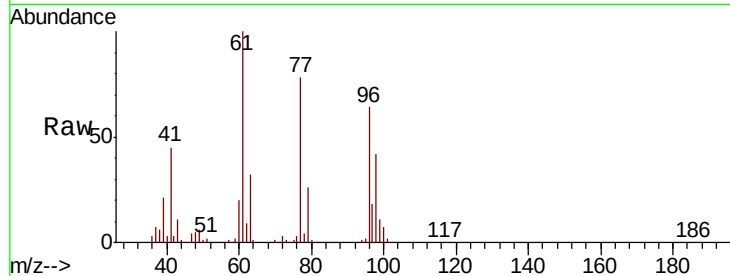


#27

cis-1,2-Dichloroethene
 Concen: 48.879 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

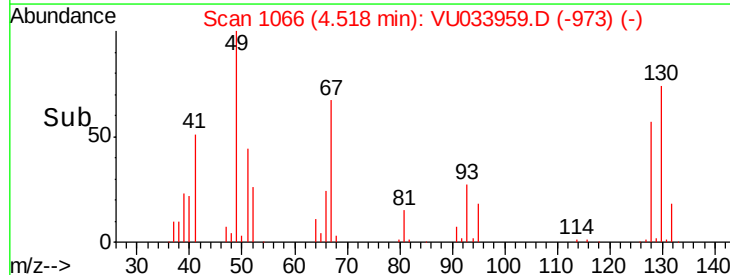
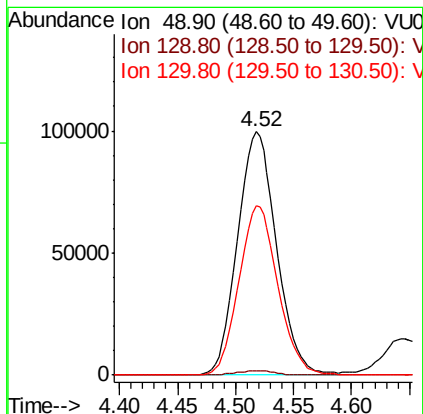
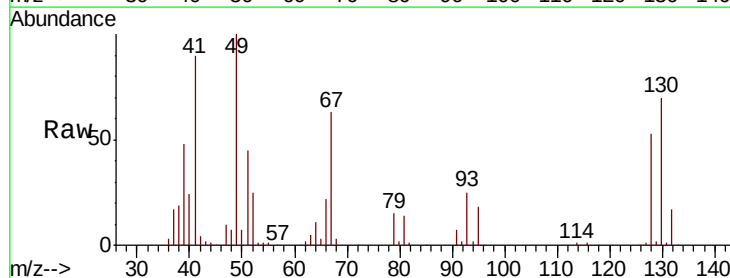
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	0.0	312.2
98	64.7	0.0	129.4

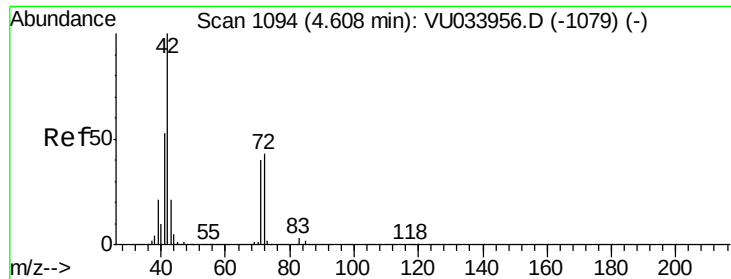


#28

Bromochloromethane
 Concen: 48.002 ug/l
 RT: 4.52 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	69.7	56.2	84.4





#29

Tetrahydrofuran

Concen: 255.708 ug/l

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

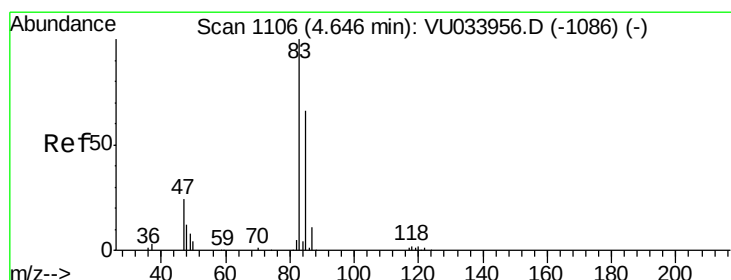
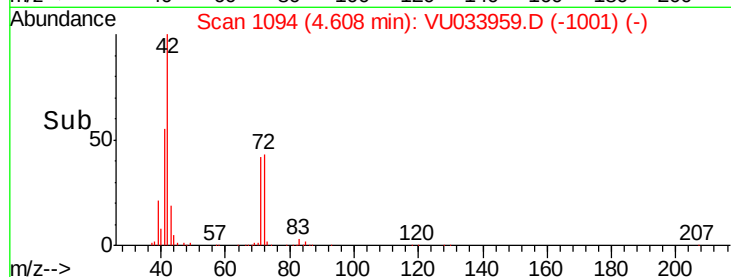
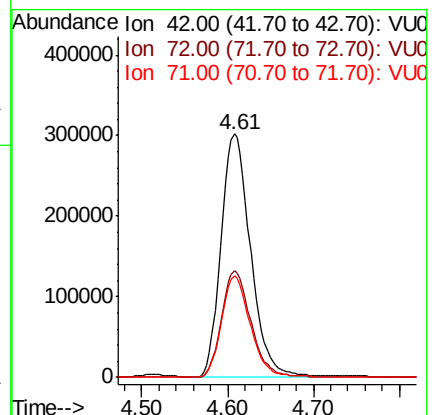
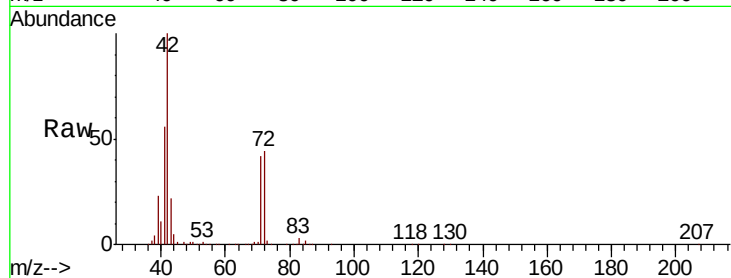
Tot Ion: 42 Resp: 720195

Ion Ratio Lower Upper

42 100

72 43.9 34.6 52.0

71 41.1 32.1 48.1



#30

Chloroform

Concen: 45.024 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033959.D

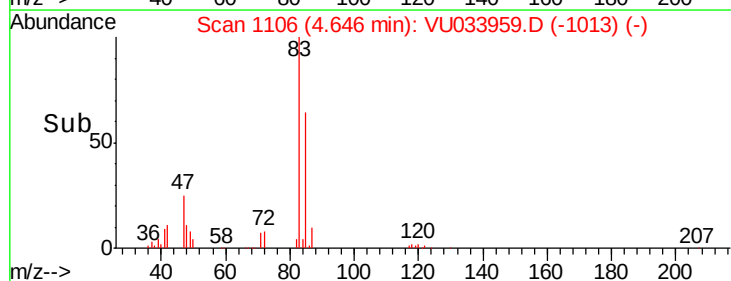
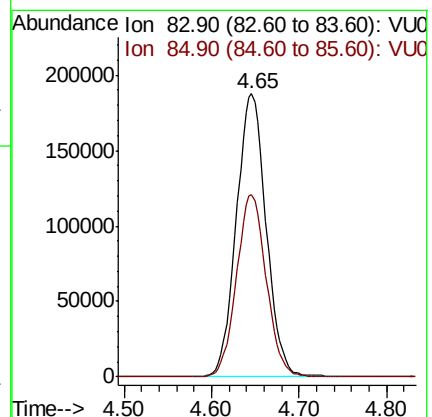
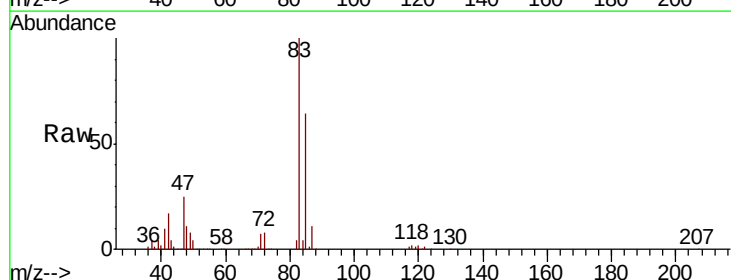
Acq: 26 Aug 2019 19:24

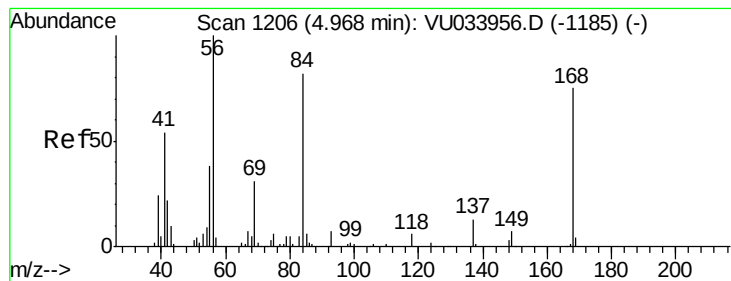
Tgt Ion: 83 Resp: 444173

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6





#31

Cyclohexane

Concen: 48.861 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

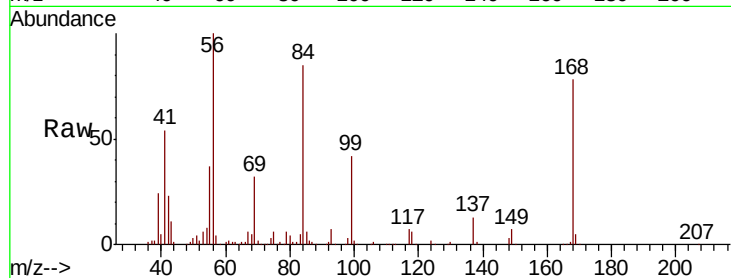
Tot Ion: 56 Resp: 429655

Ion Ratio Lower Upper

56 100

69 31.6 24.6 37.0

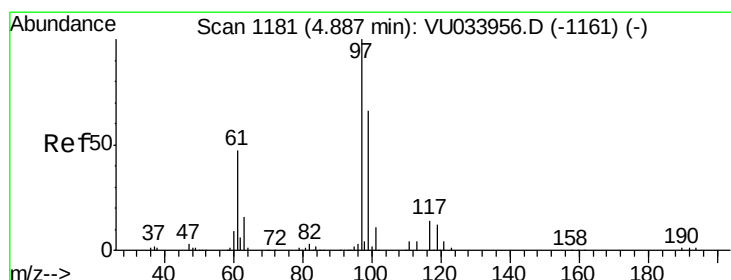
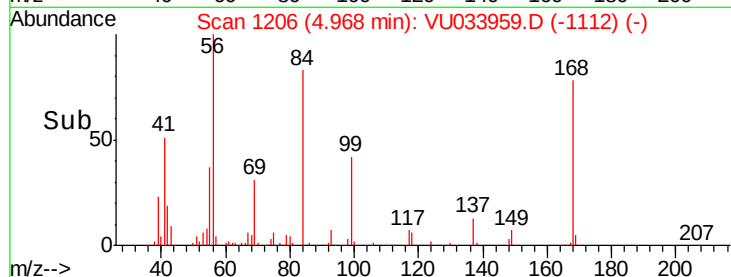
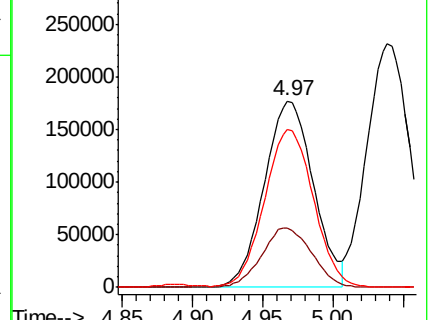
84 83.8 65.4 98.0



Abundance Ion 56.00 (55.70 to 56.70): VU033959.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VU033959.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VU033959.D (-1112) (-)



#32

1,1,1-Trichloroethane

Concen: 46.700 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

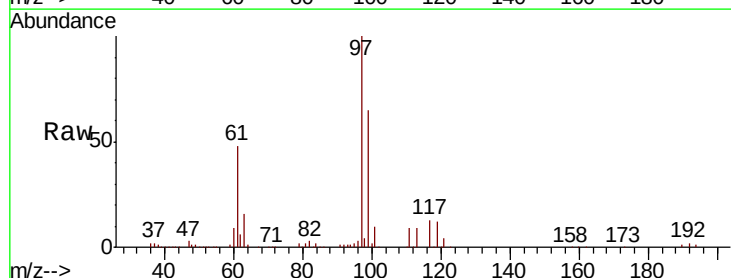
Tgt Ion: 97 Resp: 376688

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

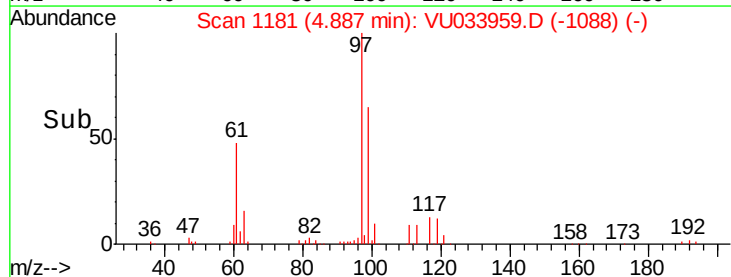
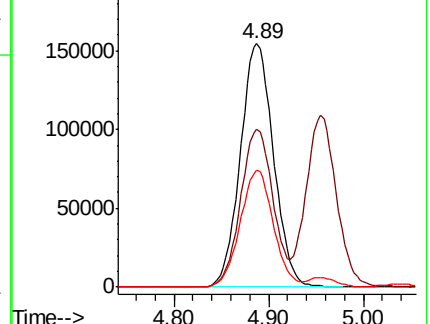
61 48.0 38.4 57.6

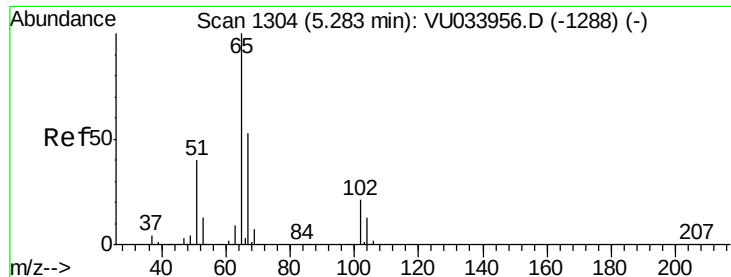


Abundance Ion 96.90 (96.60 to 97.60): VU033959.D (-1088) (-)

Ion 98.90 (98.60 to 99.60): VU033959.D (-1088) (-)

Ion 60.90 (60.60 to 61.60): VU033959.D (-1088) (-)

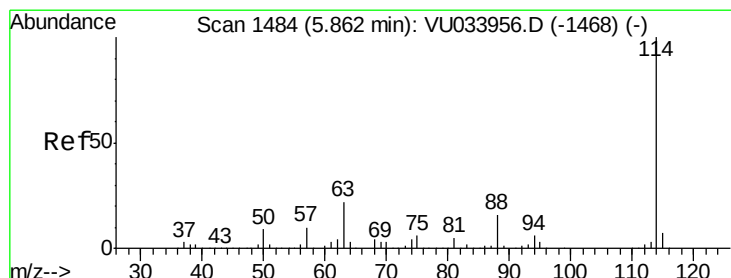
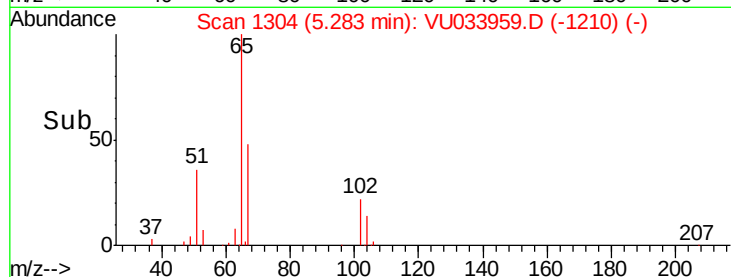
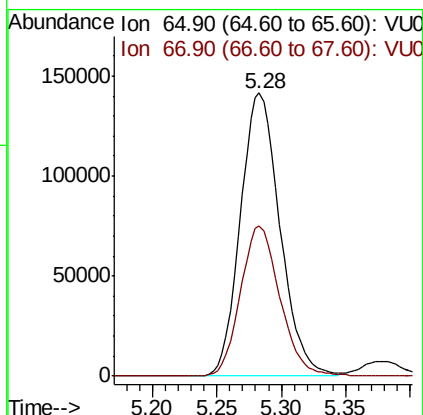
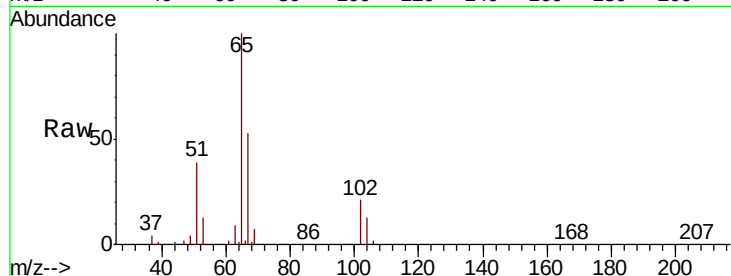




#33
 1,2-Dichloroethane-d4
 Concen: 49.928 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

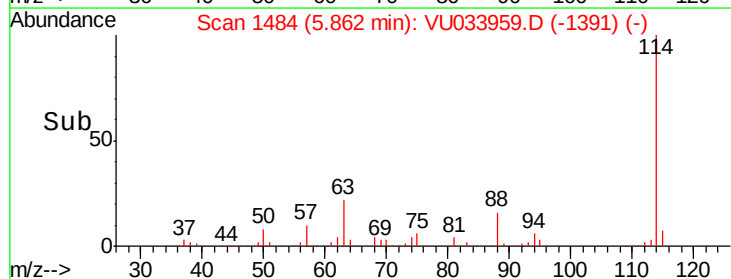
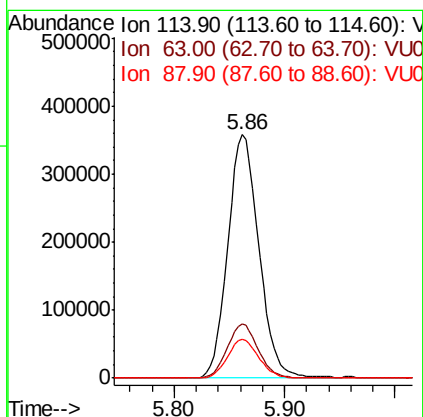
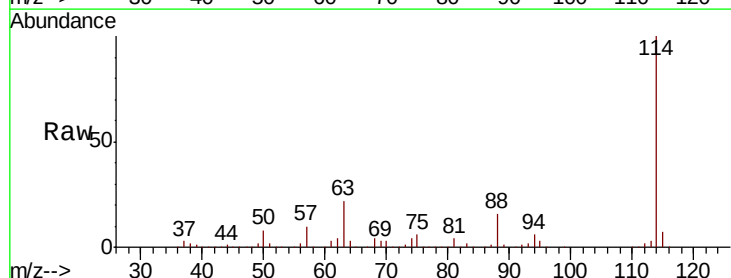
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

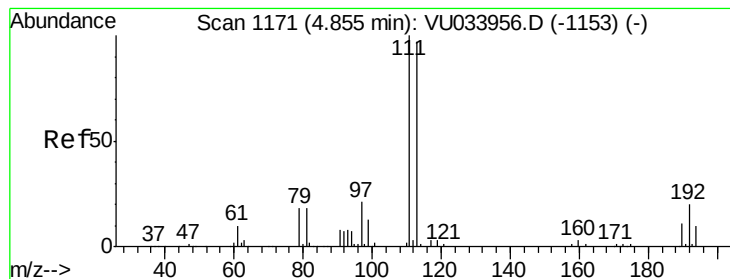
Tot Ion: 65 Resp: 302222
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 114 Resp: 701246
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.989 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

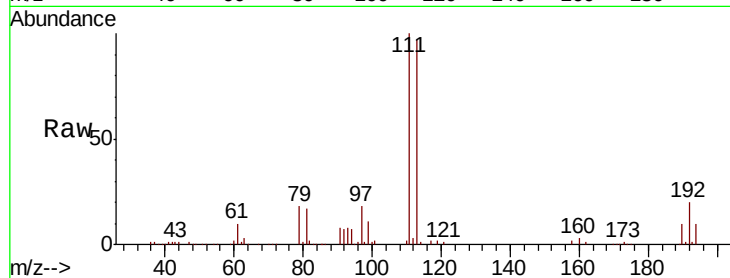
Tot Ion:113 Resp: 234082

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

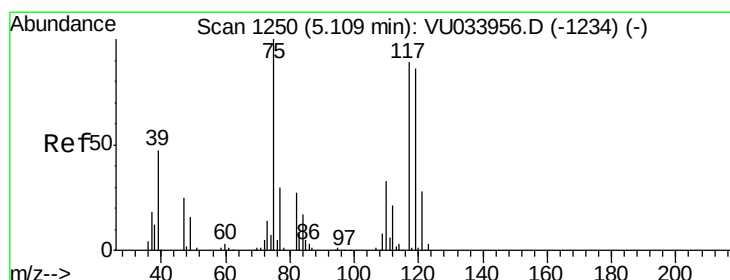
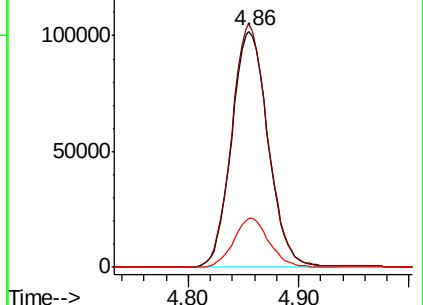
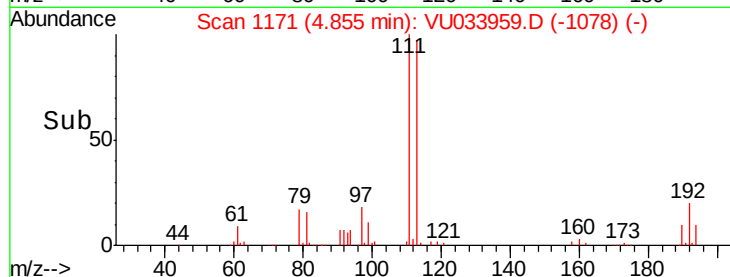
192 20.2 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.693 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

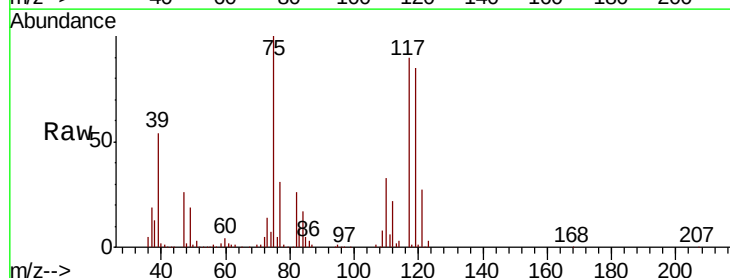
Tgt Ion: 75 Resp: 345315

Ion Ratio Lower Upper

75 100

110 33.1 16.8 50.4

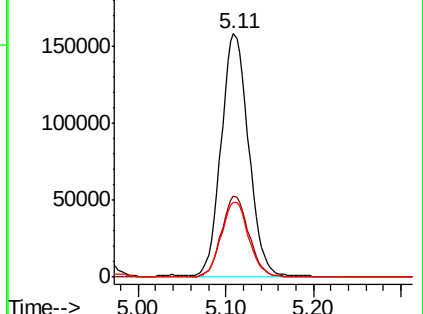
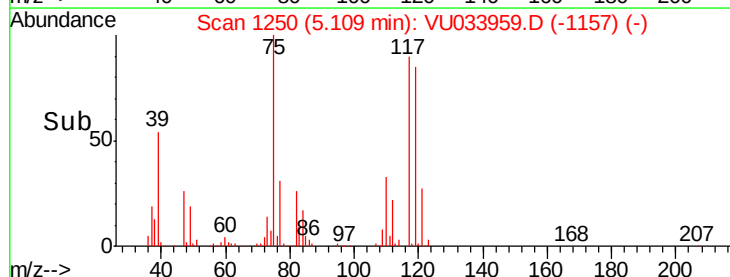
77 30.7 24.7 37.1

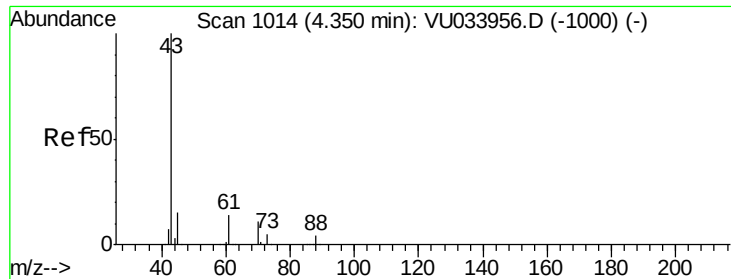


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

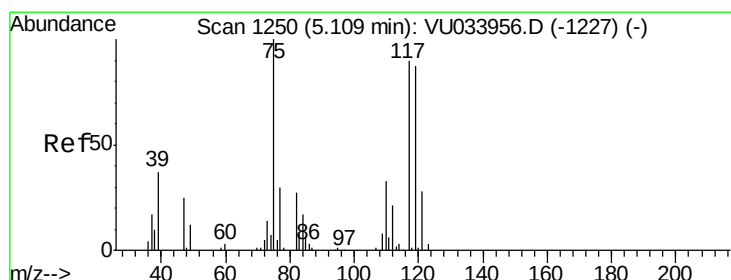
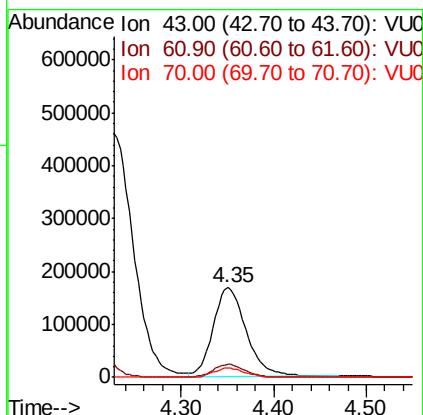
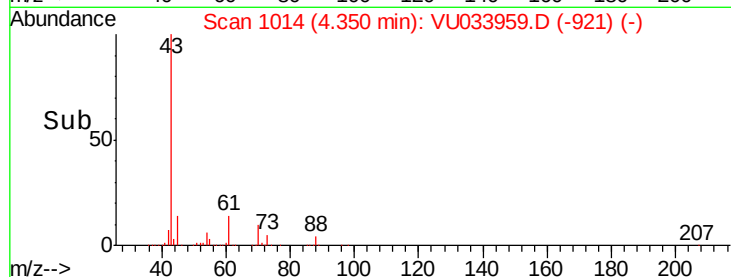
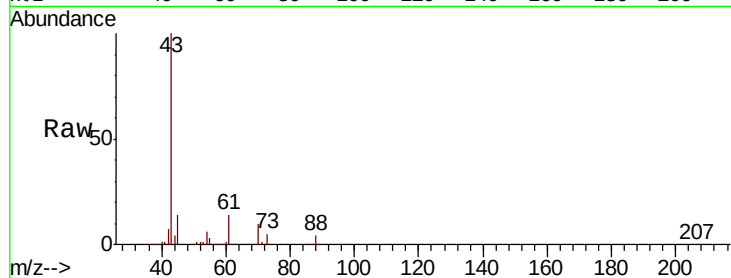




#37
Ethyl Acetate
Concen: 48.449 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

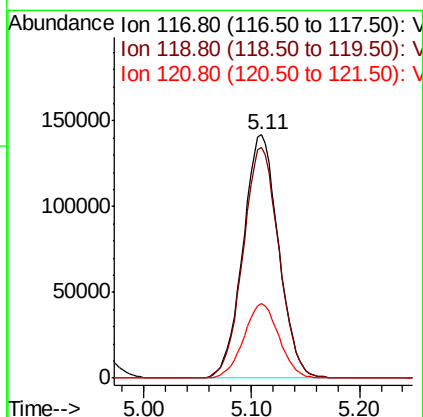
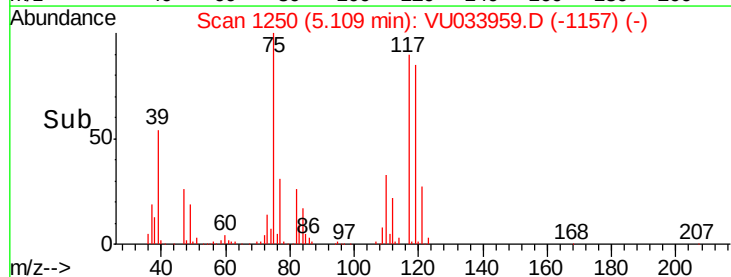
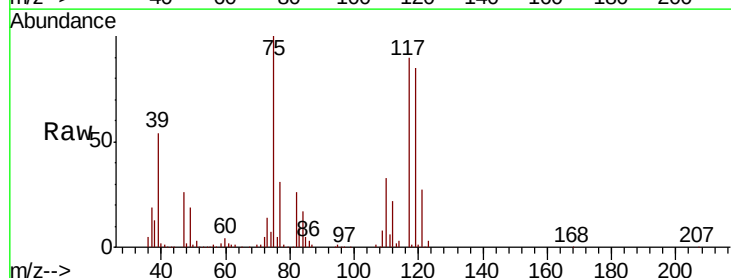
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

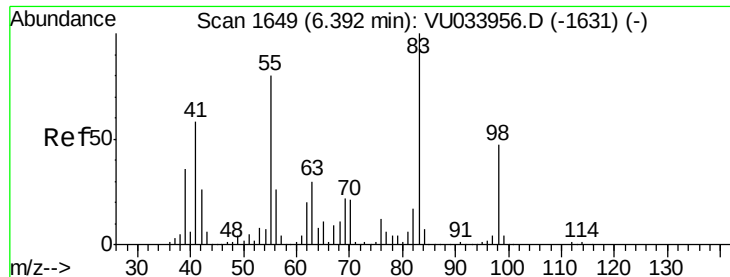
Tot Ion: 43 Resp: 415266
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.6
70 10.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 45.094 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 117 Resp: 325129
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3
121 30.7 24.9 37.3

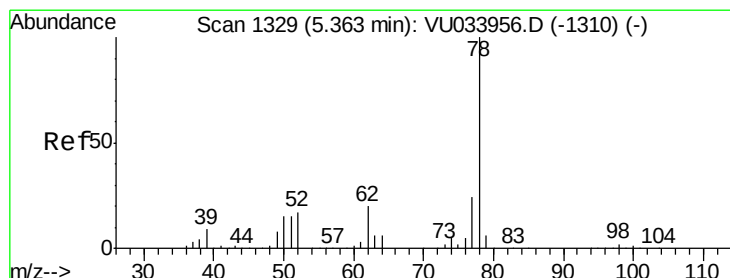
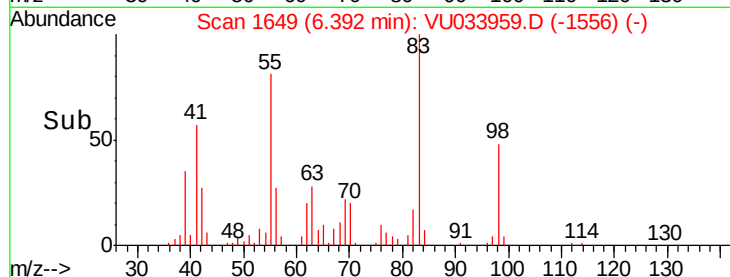
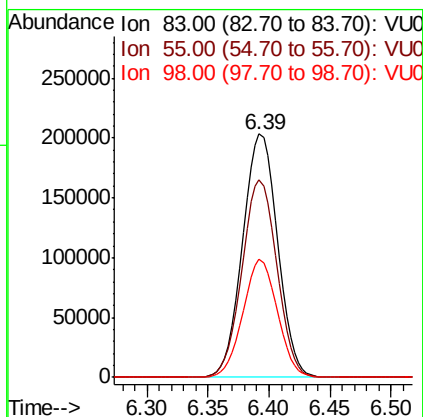
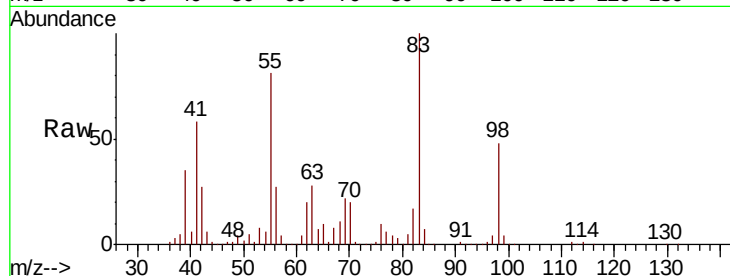




#39
Methylvlcyclohexane
Concen: 50.281 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

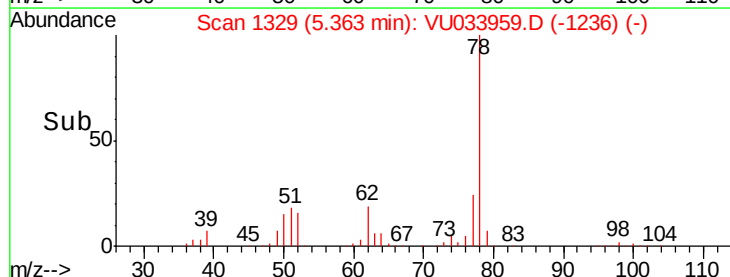
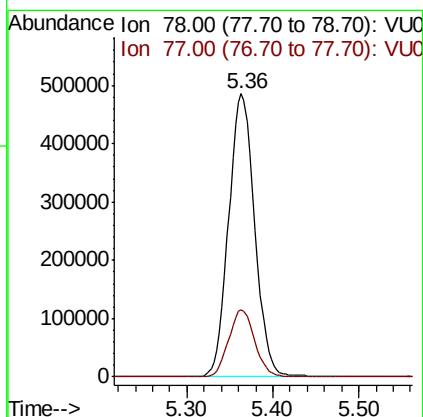
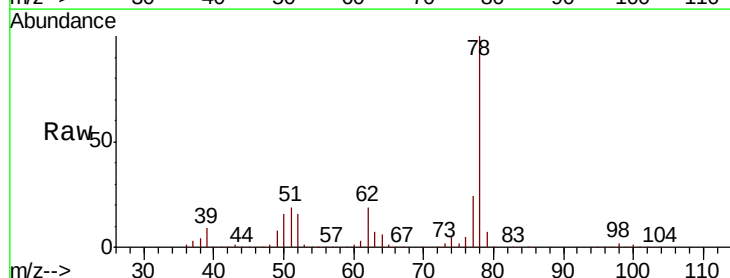
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

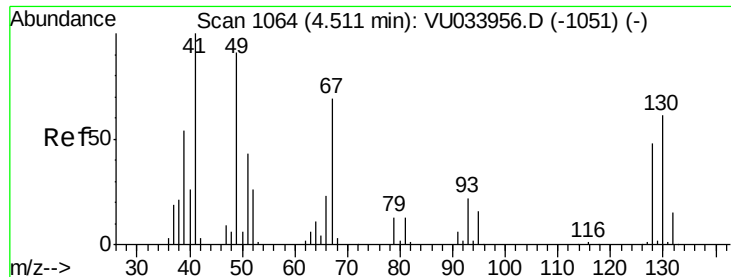
Tot Ion: 83 Resp: 403002
Ion Ratio Lower Upper
83 100
55 80.9 63.8 95.8
98 48.4 37.7 56.5



#40
Benzene
Concen: 47.410 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 78 Resp: 1020144
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

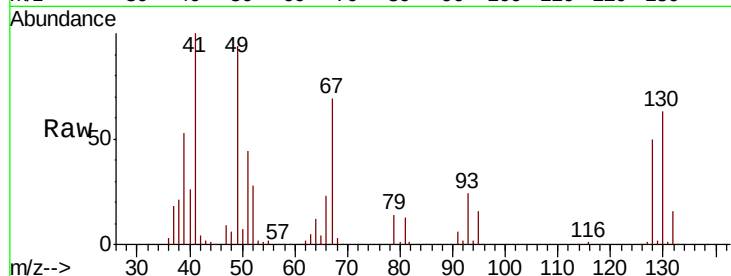




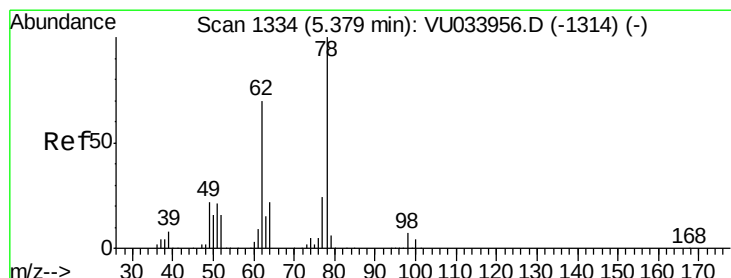
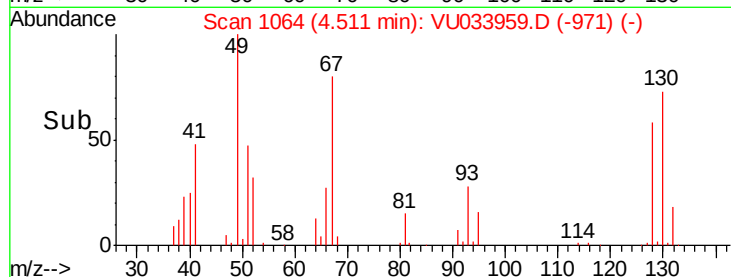
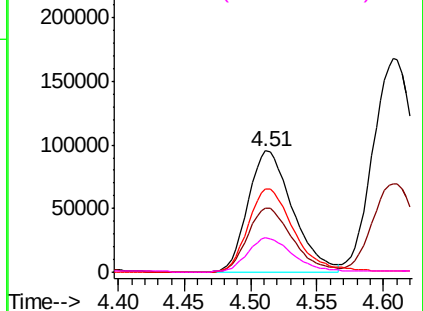
#41
Methacrylonitrile
Concen: 51.730 ug/l
RT: 4.51 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion: 41 Resp: 223440
Ion Ratio Lower Upper
41 100
39 52.9 43.3 64.9
67 71.1 57.5 86.3
52 28.8 22.6 34.0

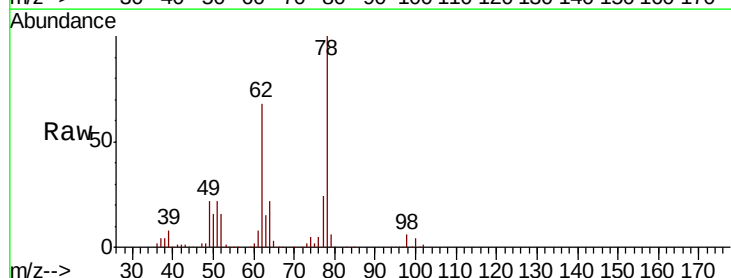


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

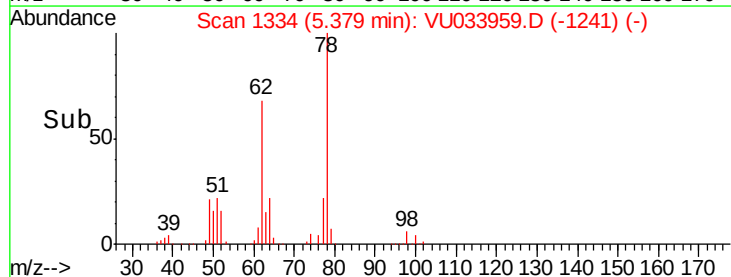
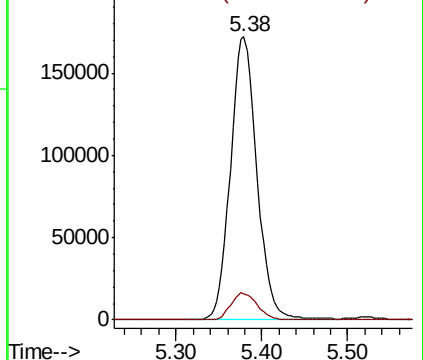


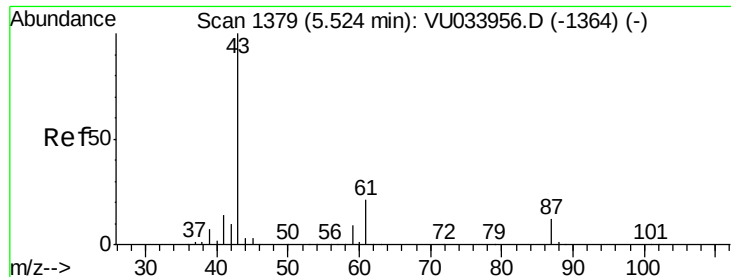
#42
1,2-Dichloroethane
Concen: 46.319 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 62 Resp: 367995
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.2



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





#43

Isopropyl Acetate

Concen: 50.348 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

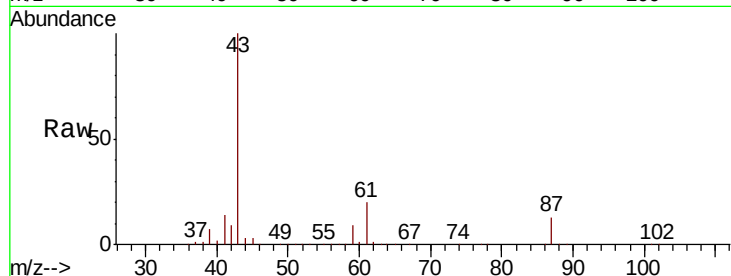
Tot Ion: 43 Resp: 632970

Ion Ratio Lower Upper

43 100

61 20.2 16.1 24.1

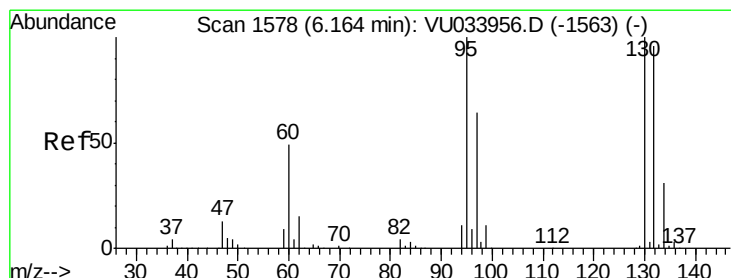
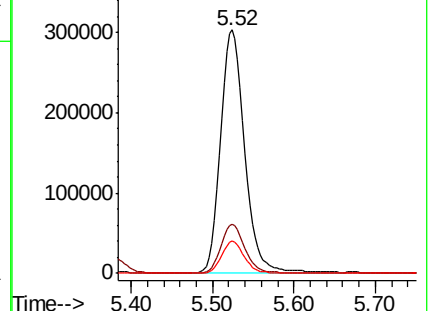
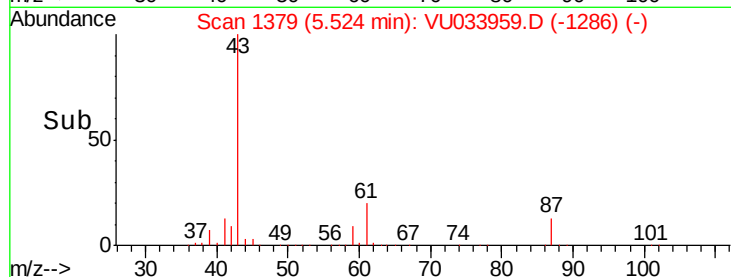
87 12.7 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VU033959.D (-1286) (-)

Ion 61.00 (60.70 to 61.70): VU033959.D (-1286) (-)

Ion 87.00 (86.70 to 87.70): VU033959.D (-1286) (-)



#44

Trichloroethene

Concen: 45.716 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033959.D

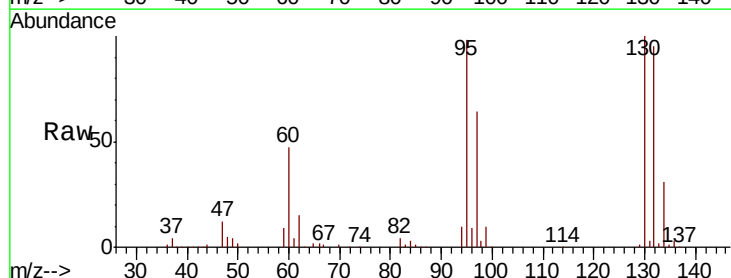
Acq: 26 Aug 2019 19:24

Tgt Ion:130 Resp: 254590

Ion Ratio Lower Upper

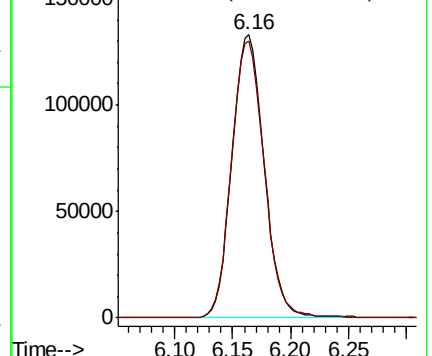
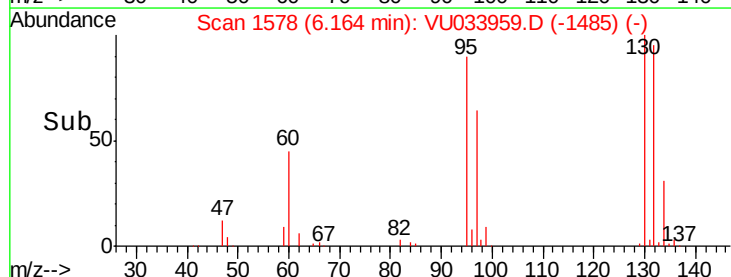
130 100

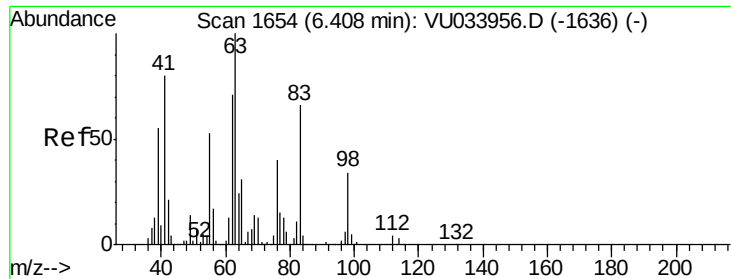
95 97.8 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VU033959.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU033959.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 46.733 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

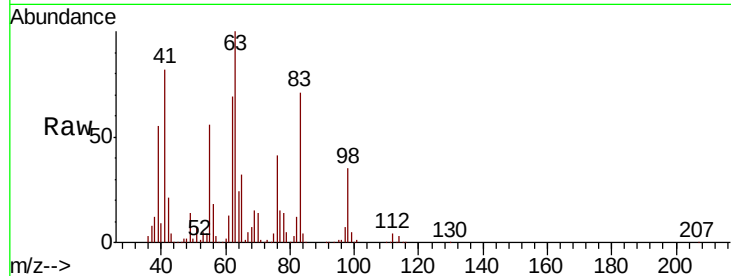
ICVVU082719

Tot Ion: 63 Resp: 278385

Ion Ratio Lower Upper

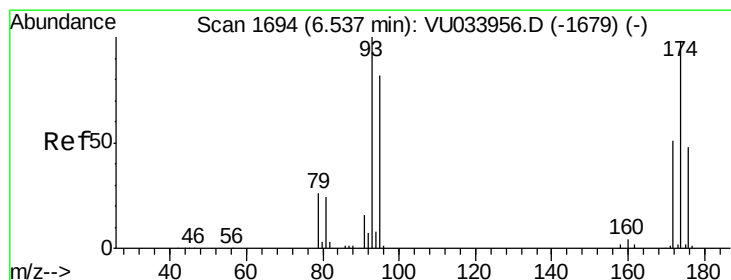
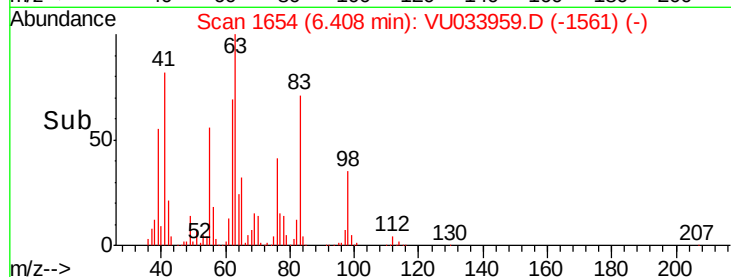
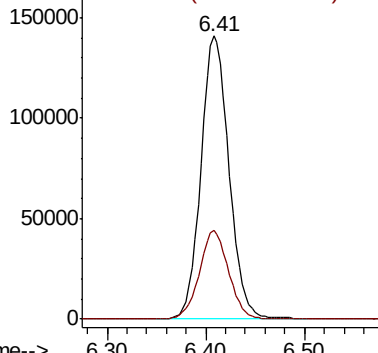
63 100

65 31.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 47.303 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

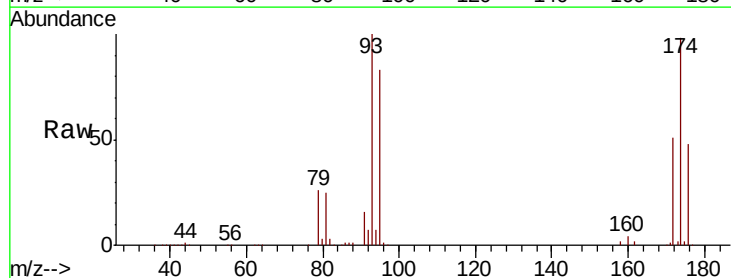
Tgt Ion: 93 Resp: 181089

Ion Ratio Lower Upper

93 100

95 82.8 67.3 100.9

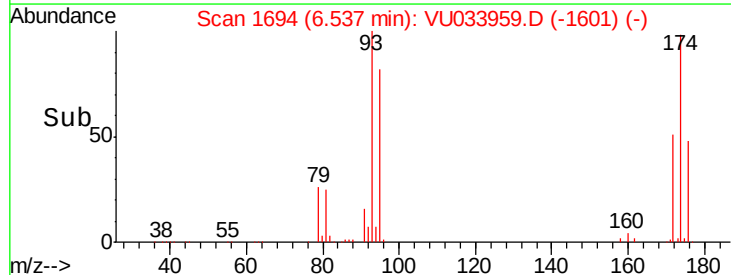
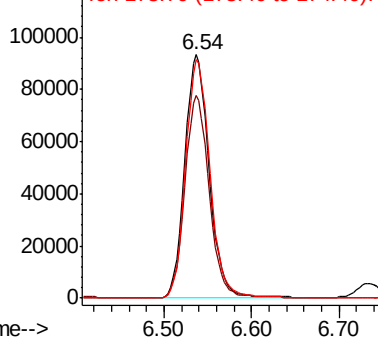
174 98.1 79.7 119.5

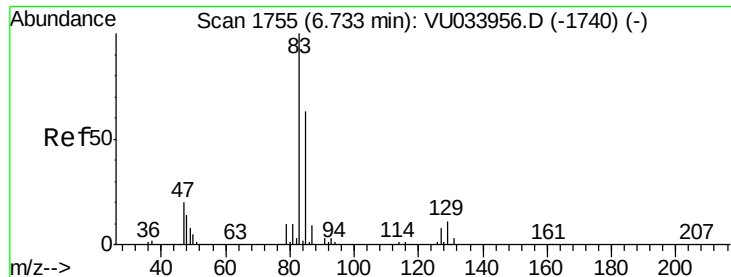


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.258 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

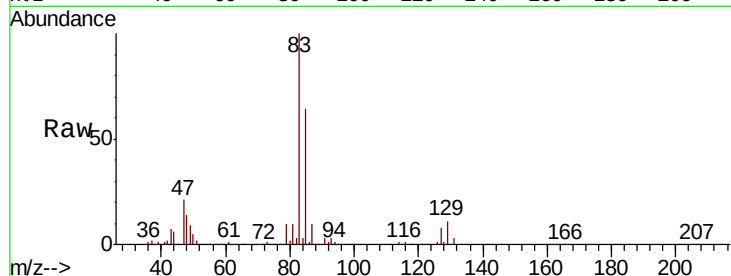
Tot Ion: 83 Resp: 358100

Ion Ratio Lower Upper

83 100

85 64.0 50.5 75.7

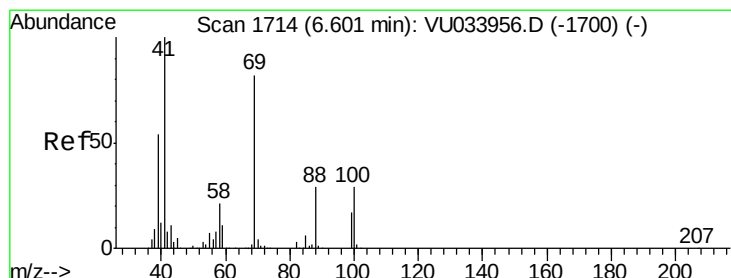
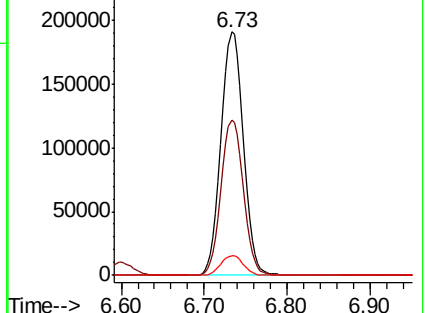
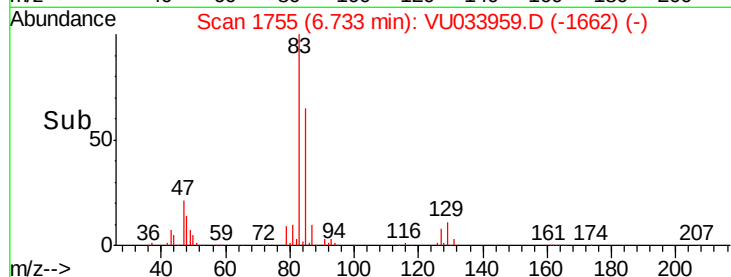
127 8.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU033959.D (-1662) (-)

Ion 84.90 (84.60 to 85.60): VU033959.D (-1662) (-)

Ion 126.80 (126.50 to 127.50): VU033959.D (-1662) (-)



#48

Methyl methacrylate

Concen: 46.611 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

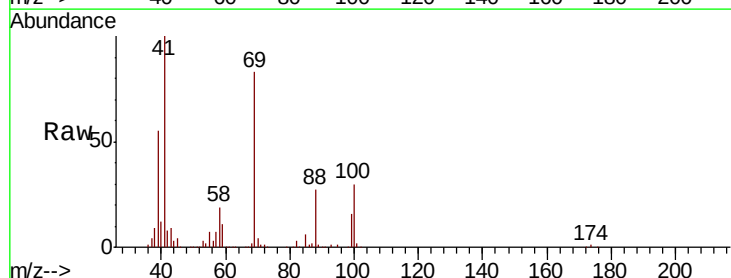
Tgt Ion: 41 Resp: 304404

Ion Ratio Lower Upper

41 100

69 84.3 66.9 100.3

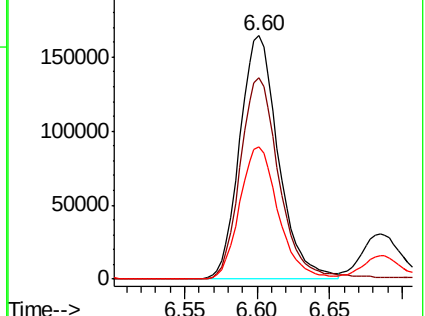
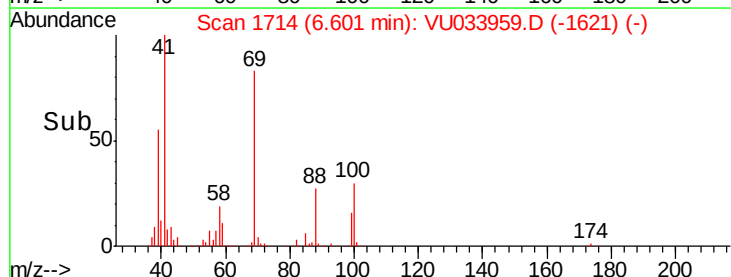
39 53.9 43.3 64.9

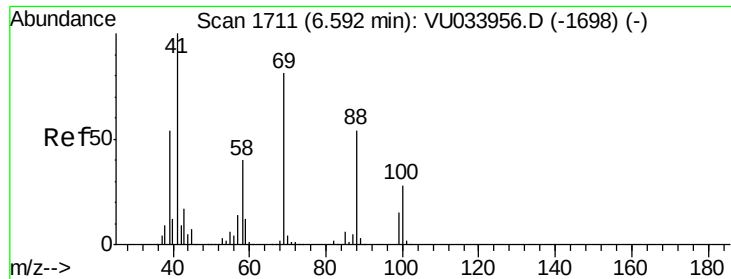


Abundance Ion 41.00 (40.70 to 41.70): VU033959.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU033959.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU033959.D (-1621) (-)





#49

1,4-Dioxane

Concen: 931.264 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

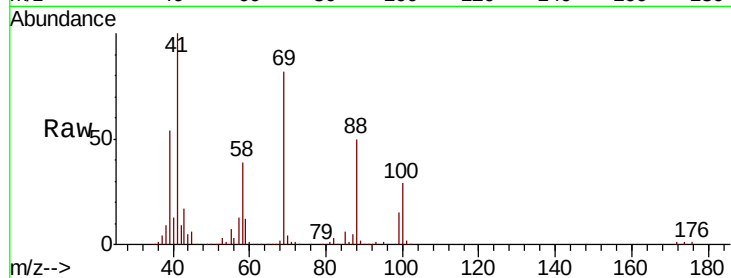
Tot Ion: 88 Resp: 118829

Ion Ratio Lower Upper

88 100

43 33.8 27.2 40.8

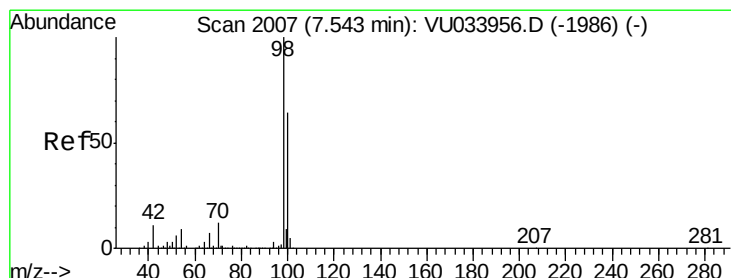
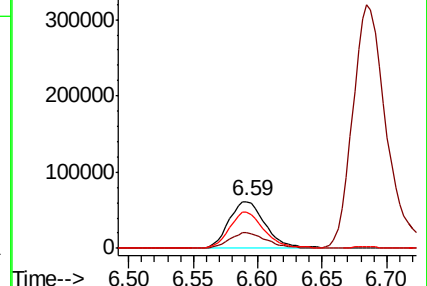
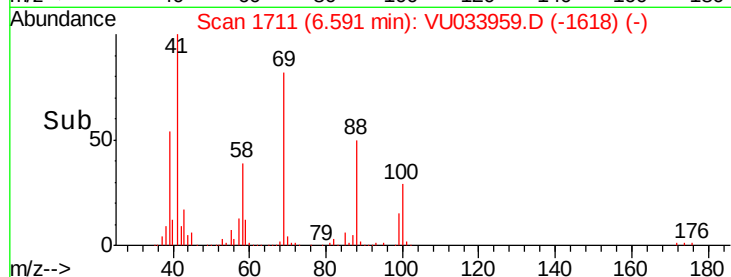
58 75.8 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VU033959.D (-1618) (-)

Ion 43.00 (42.70 to 43.70): VU033959.D (-1618) (-)

Ion 58.00 (57.70 to 58.70): VU033959.D (-1618) (-)



#50

Toluene-d8

Concen: 49.688 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VU033959.D

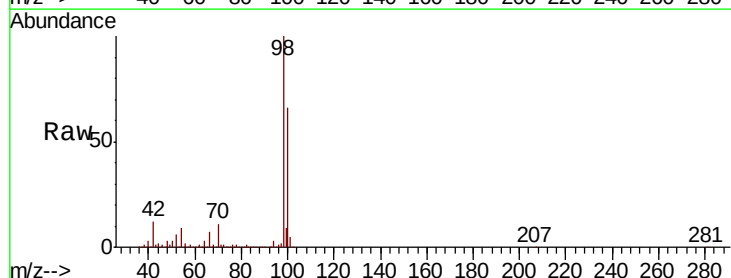
Acq: 26 Aug 2019 19:24

Tgt Ion: 98 Resp: 896529

Ion Ratio Lower Upper

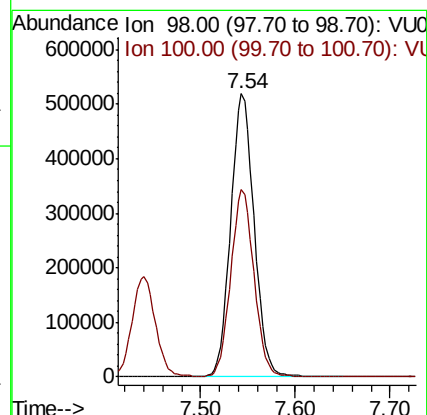
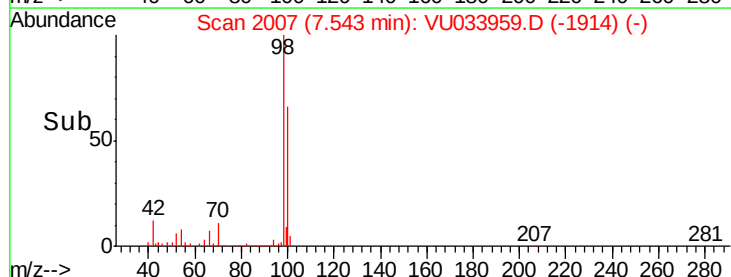
98 100

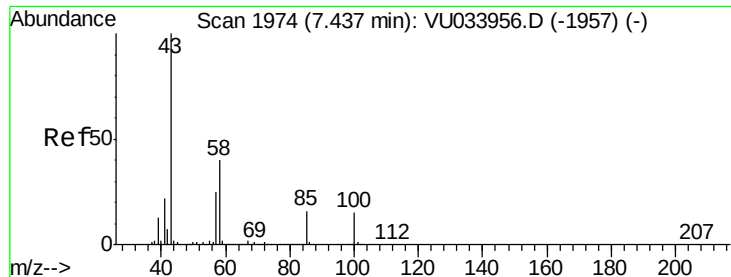
100 65.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VU033959.D (-1914) (-)

Ion 100.00 (99.70 to 100.70): VU033959.D (-1914) (-)

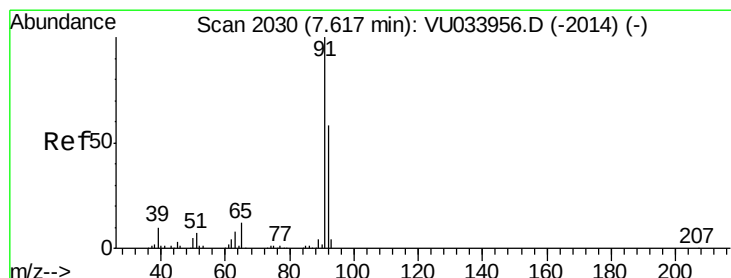
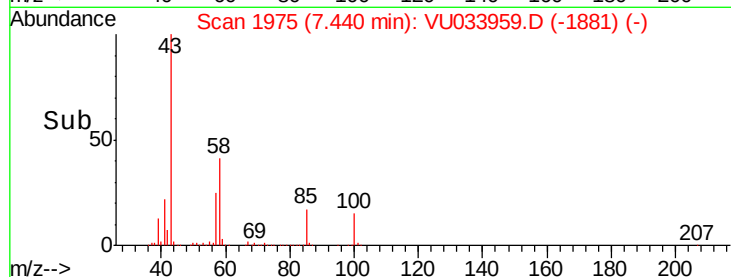
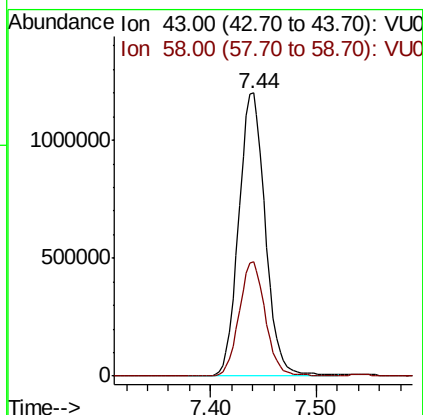
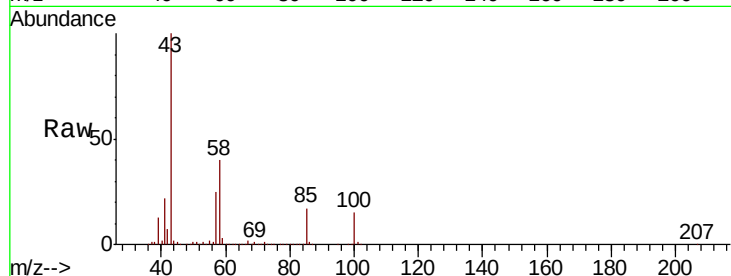




#51
 4-Methyl-2-Pentanone
 Concen: 245.649 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

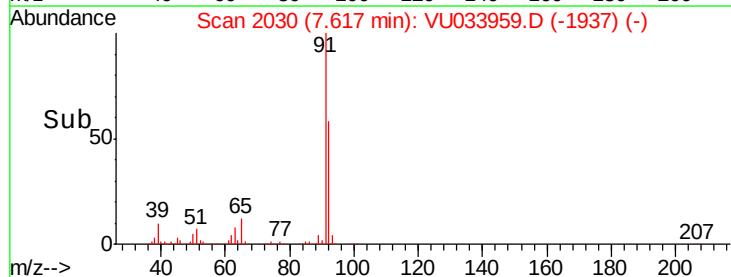
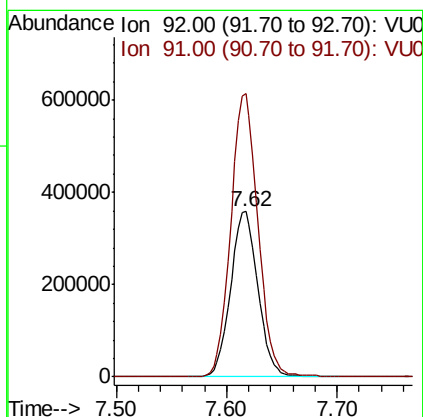
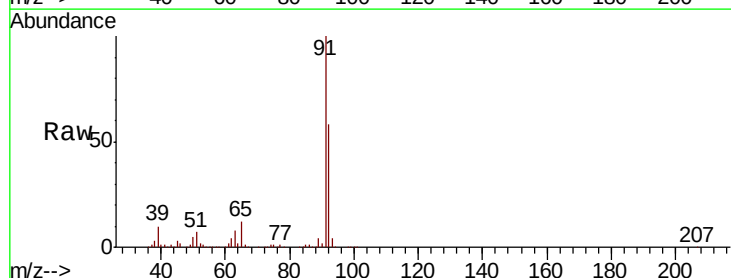
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

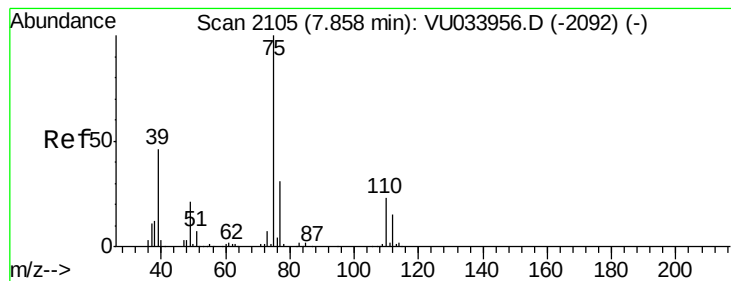
Tot Ion: 43 Resp: 2096602
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.6 47.4



#52
 Toluene
 Concen: 49.318 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 92 Resp: 616260
 Ion Ratio Lower Upper
 92 100
 91 170.7 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 50.763 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

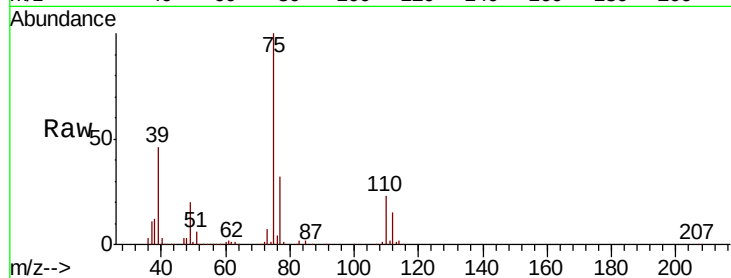
ICVVU082719

Tot Ion: 75 Resp: 409285

Ion Ratio Lower Upper

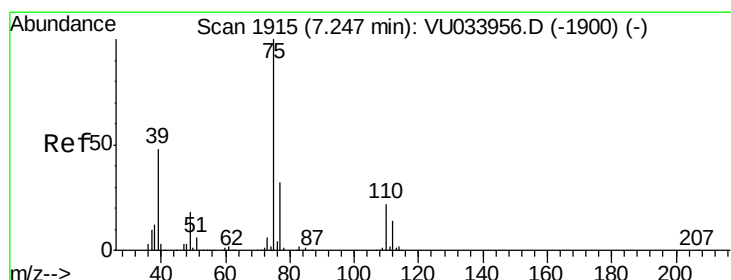
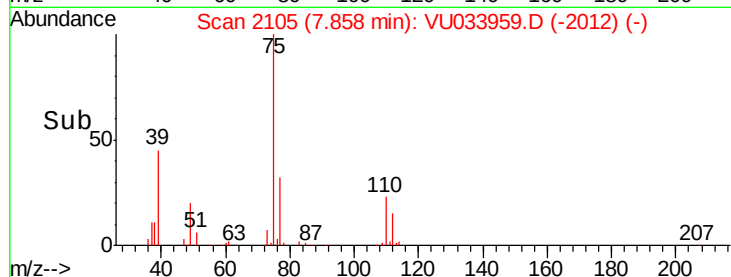
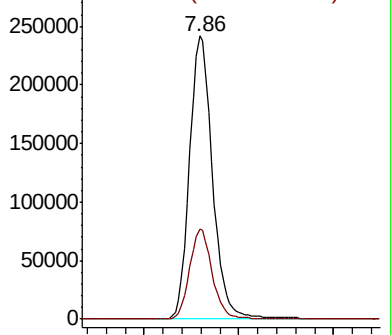
75 100

77 31.7 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.679 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

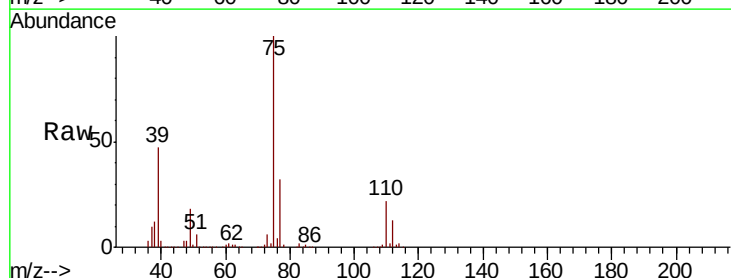
Tgt Ion: 75 Resp: 443960

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

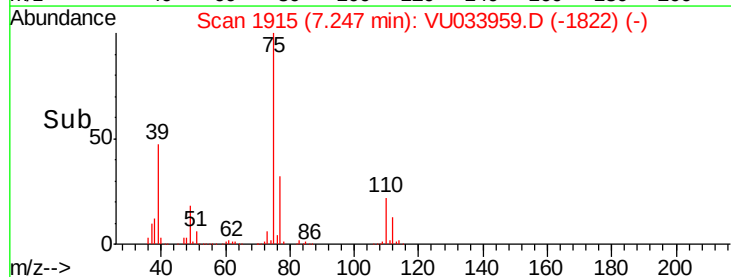
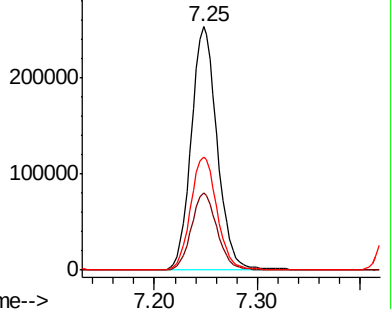
39 46.6 38.3 57.5

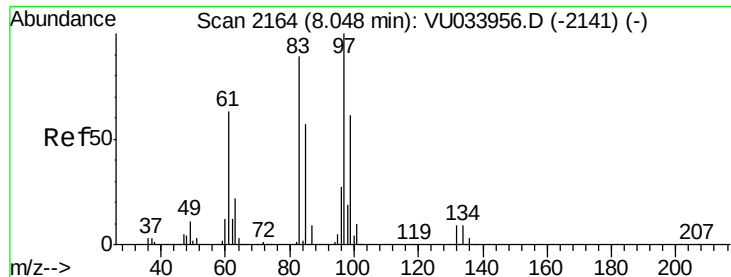


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 45.394 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 97 Resp: 250175

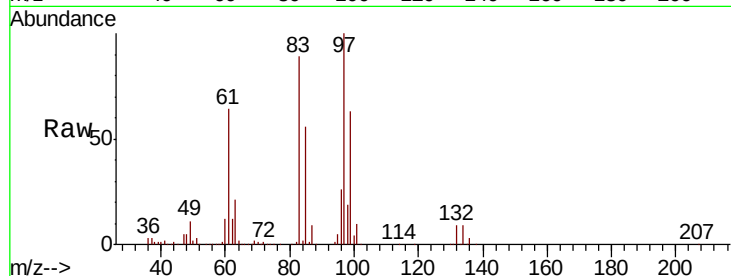
Ion Ratio Lower Upper

97 100

83 89.4 71.0 106.4

85 56.3 45.5 68.3

99 62.8 49.4 74.0

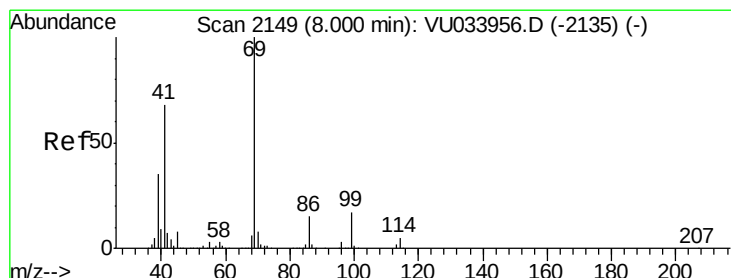
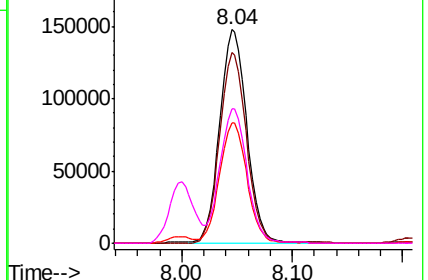
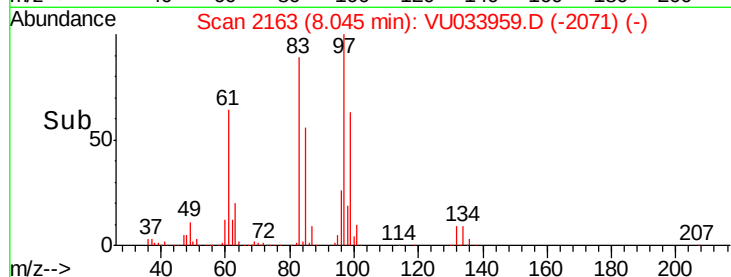


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 46.565 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

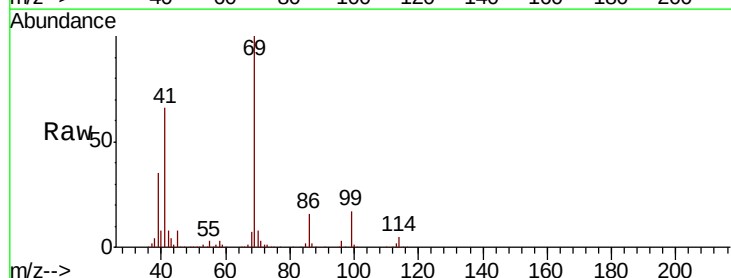
Tgt Ion: 69 Resp: 412799

Ion Ratio Lower Upper

69 100

41 66.0 54.1 81.1

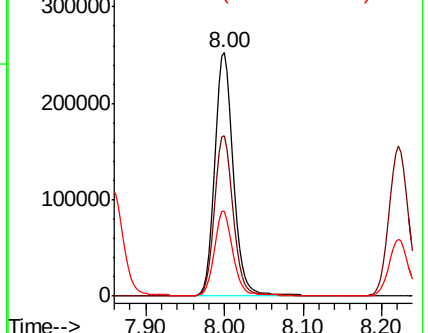
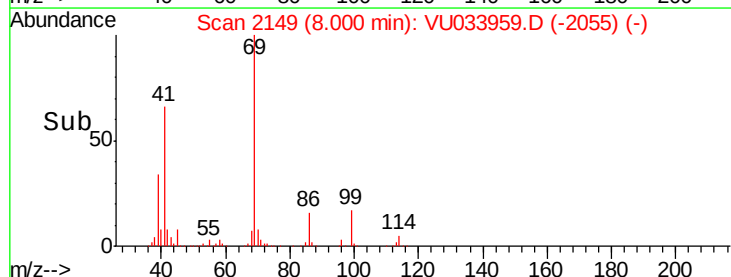
39 33.6 28.1 42.1

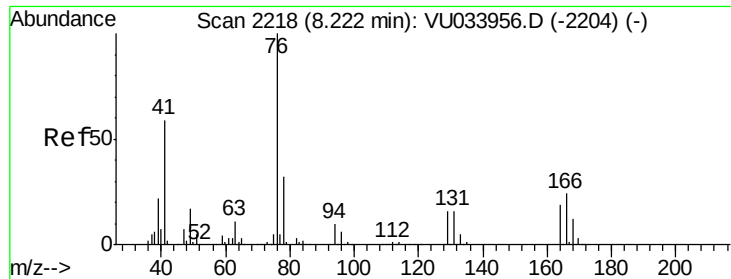


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 47.167 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

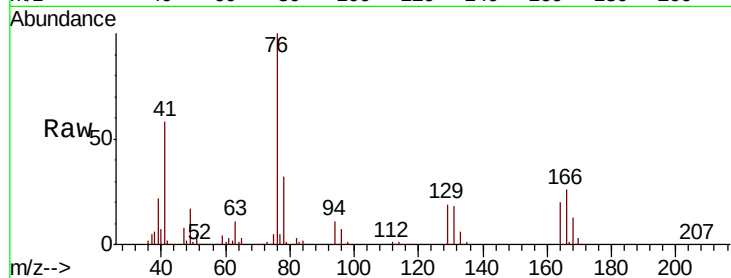
ICVVU082719

Tot Ion: 76 Resp: 451461

Ion Ratio Lower Upper

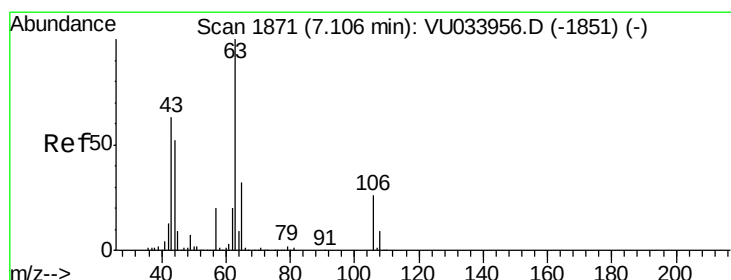
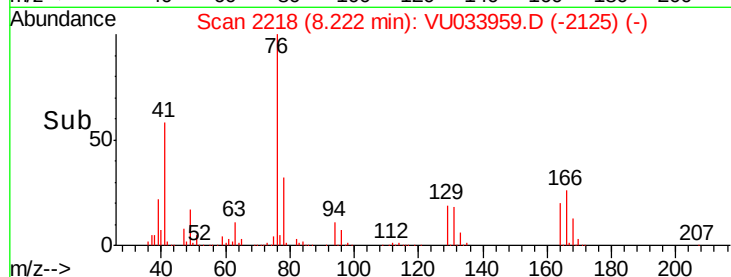
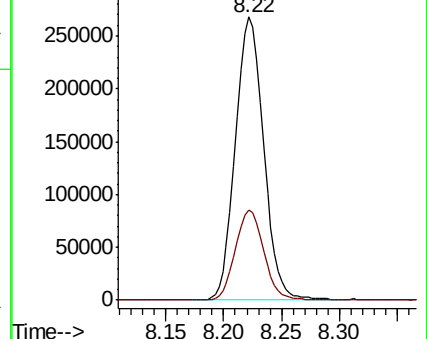
76 100

78 32.2 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU033959.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU033959.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 214.641 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VU033959.D

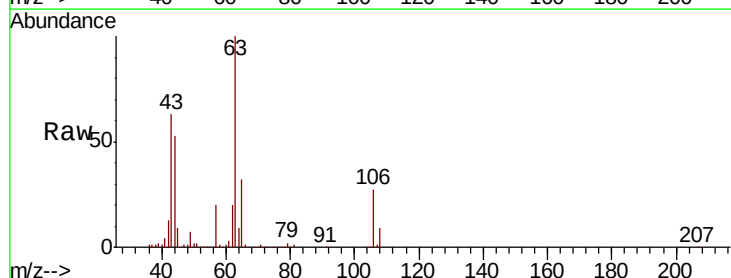
Acq: 26 Aug 2019 19:24

Tgt Ion: 63 Resp: 722712

Ion Ratio Lower Upper

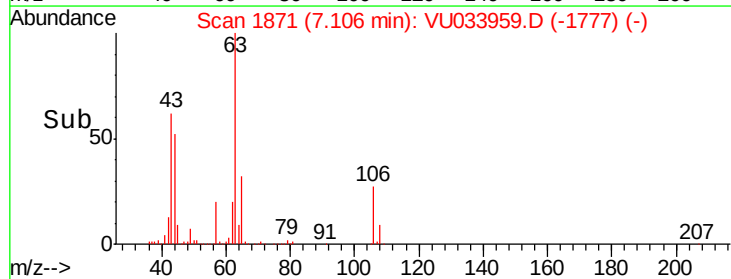
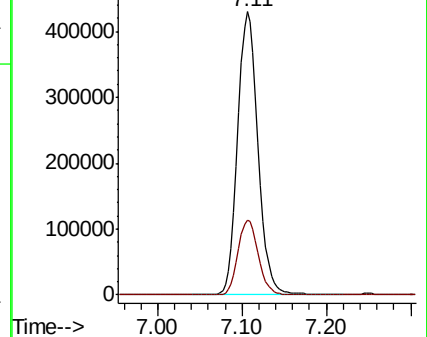
63 100

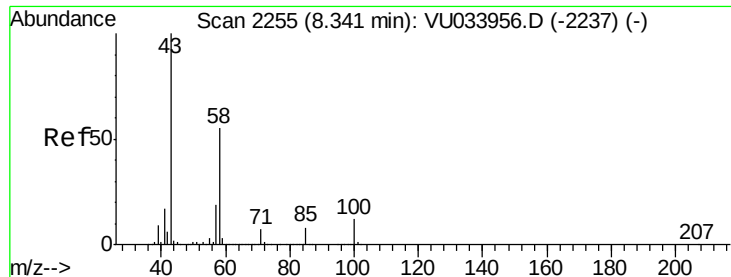
106 26.5 20.8 31.2



Abundance Ion 62.90 (62.60 to 63.60): VU033959.D (-1777) (-)

Ion 105.90 (105.60 to 106.60): VU033959.D (-1777) (-)

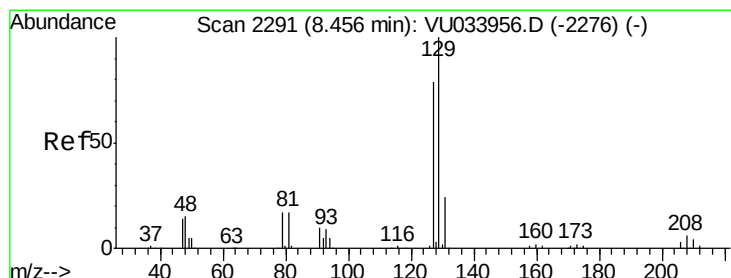
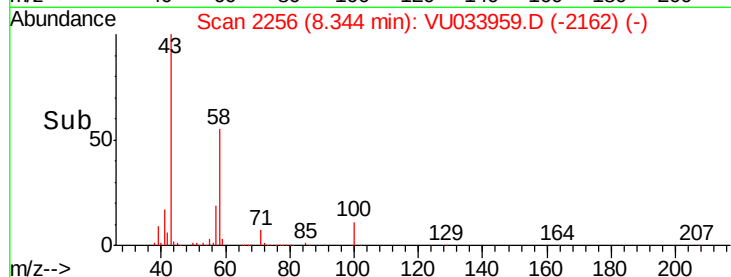
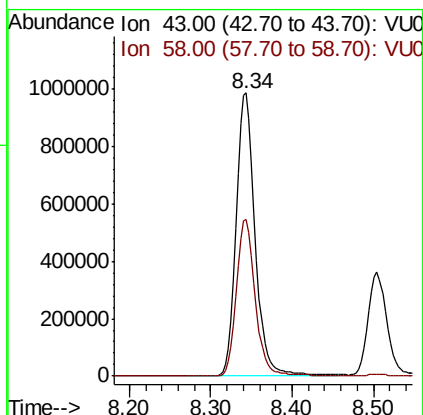
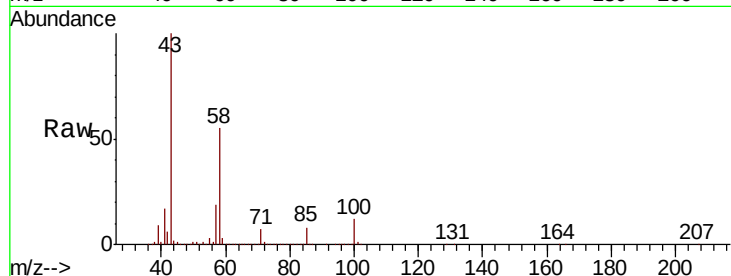




#59
2-Hexanone
Concen: 247.266 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

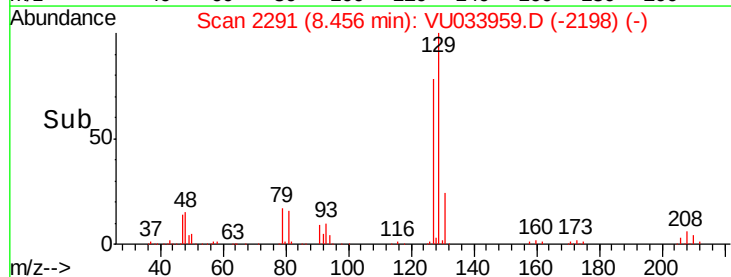
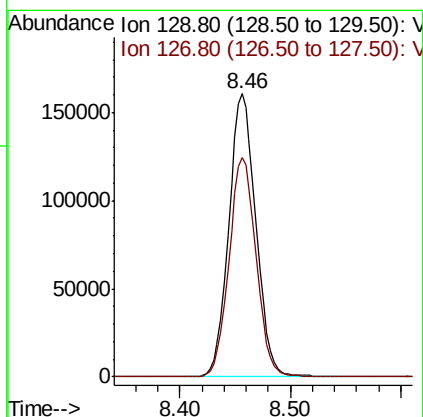
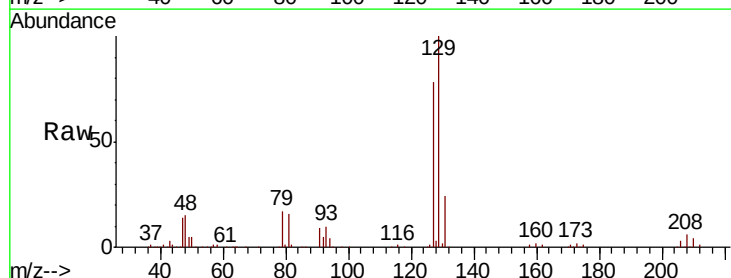
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

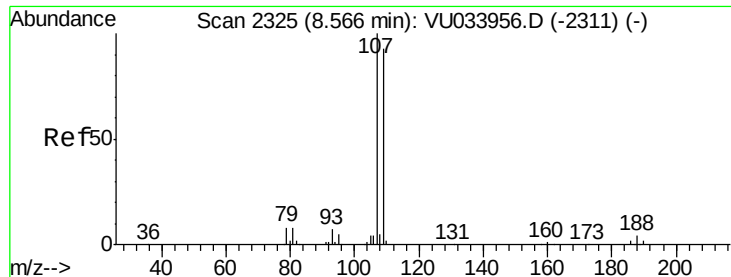
Tot Ion: 43 Resp: 1609073
Ion Ratio Lower Upper
43 100
58 55.5 27.3 81.9



#60
Dibromochloromethane
Concen: 47.630 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 129 Resp: 273275
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.562 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

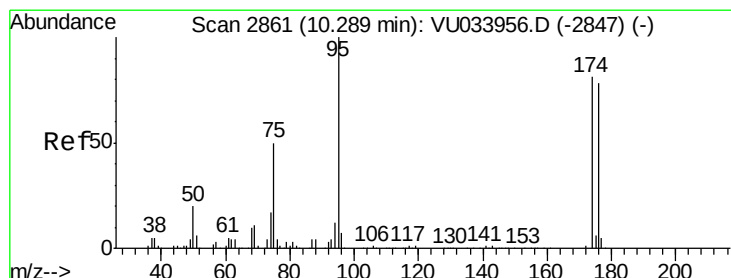
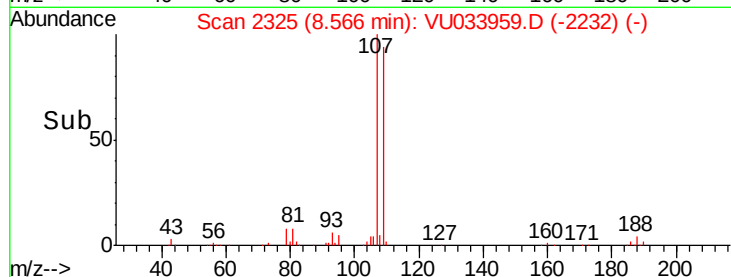
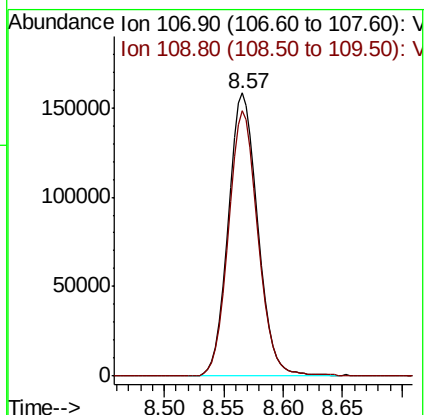
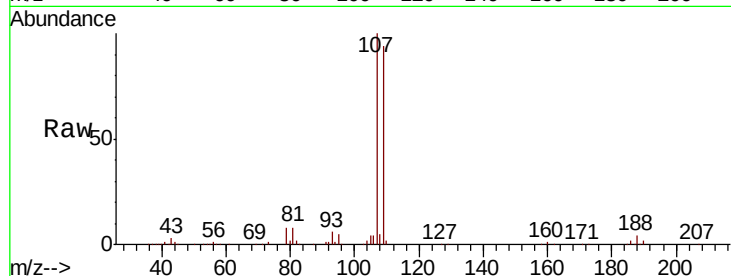
ICVVU082719

Tot Ion:107 Resp: 271761

Ion Ratio Lower Upper

107 100

109 94.1 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 48.191 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

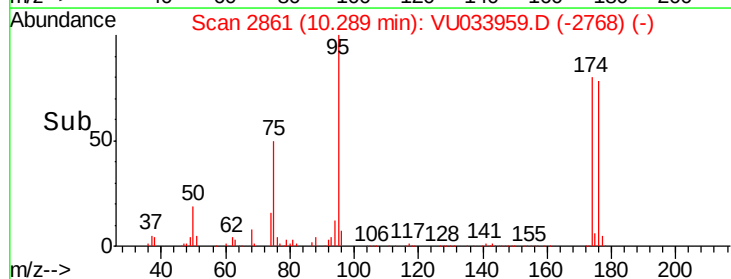
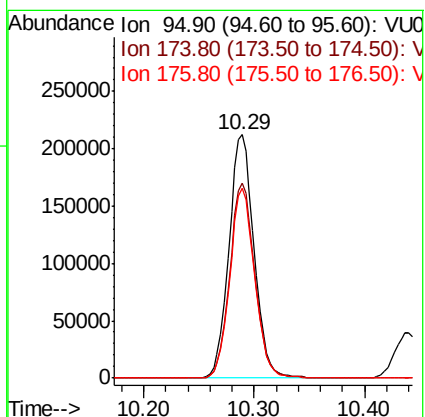
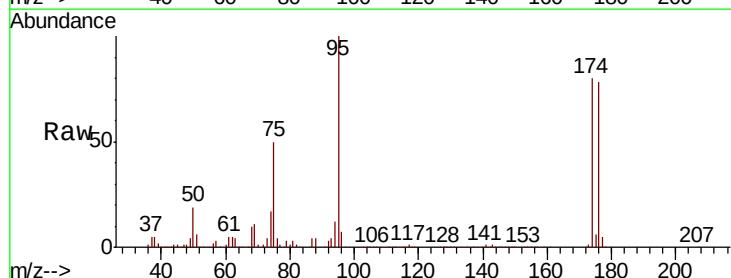
Tgt Ion: 95 Resp: 335191

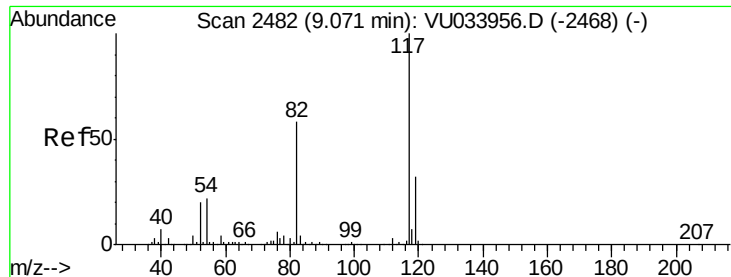
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.4

176 77.4 0.0 154.2

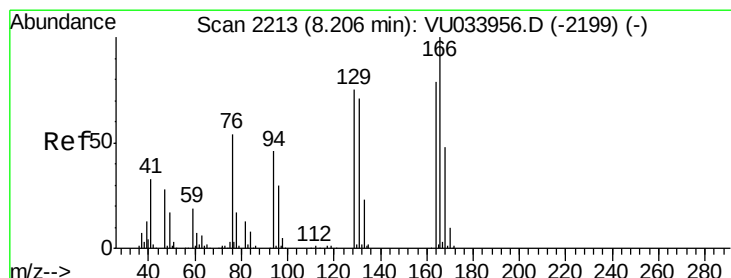
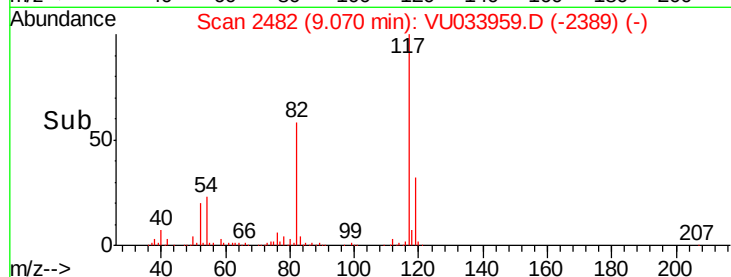
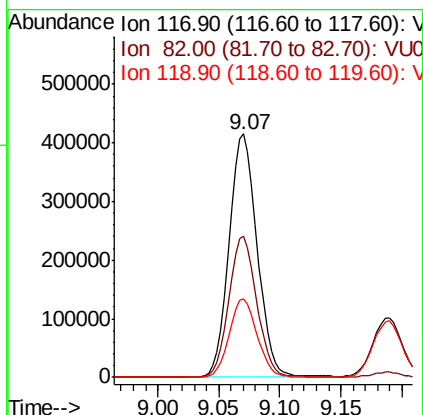
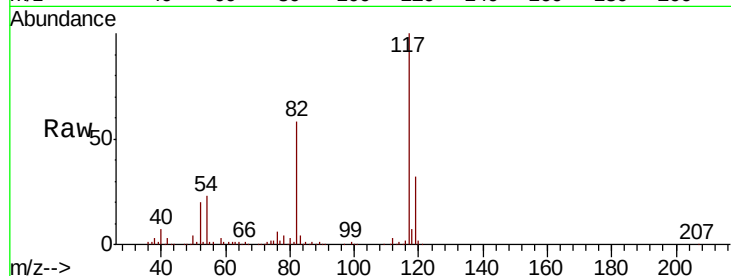




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

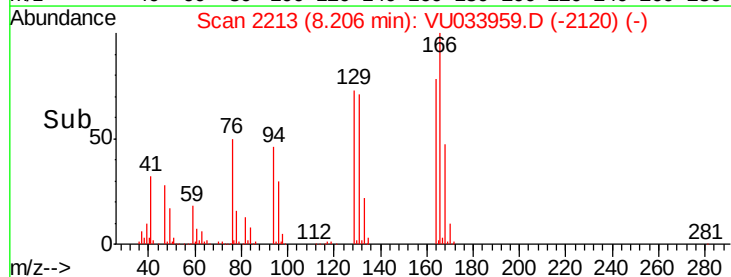
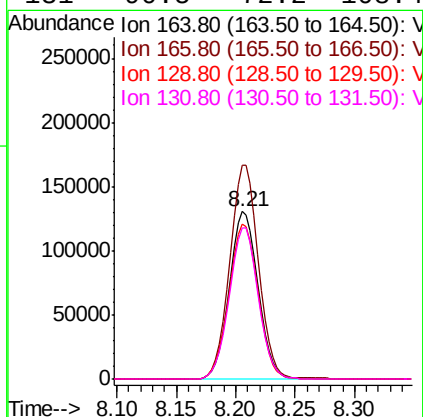
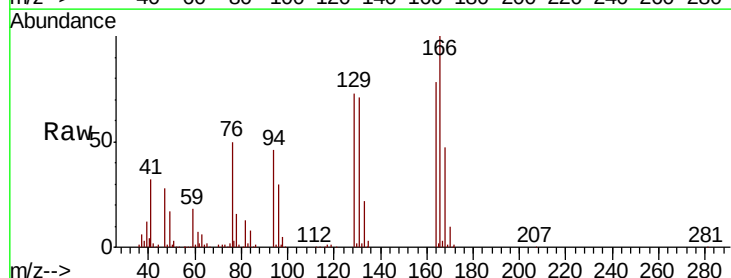
Instrument :
MSVOA_U
ClientSampled :
ICVVU082719

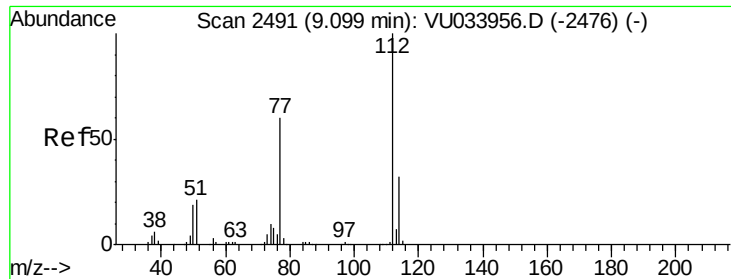
Tot Ion:117 Resp: 671158
Ion Ratio Lower Upper
117 100
82 57.8 46.4 69.6
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 45.529 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion:164 Resp: 219095
Ion Ratio Lower Upper
164 100
166 127.6 101.4 152.2
129 92.8 76.6 114.8
131 90.5 72.2 108.4

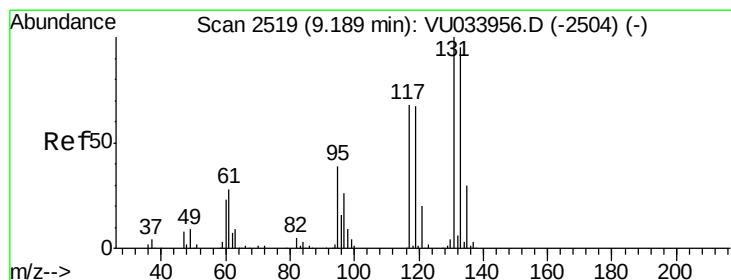
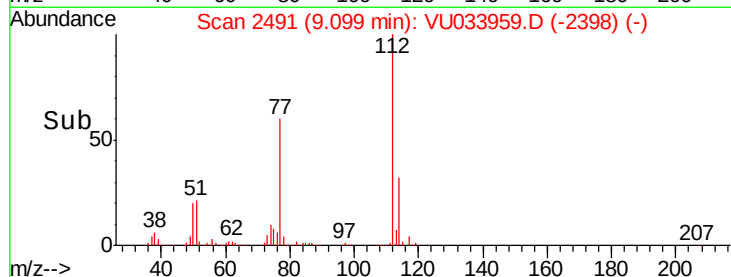
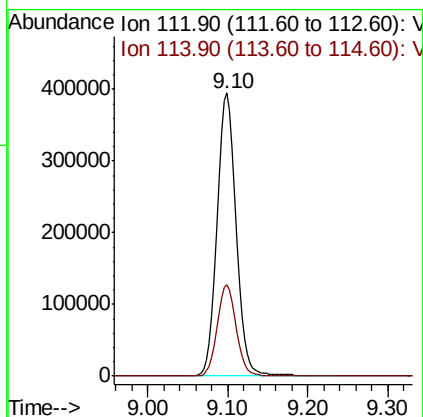
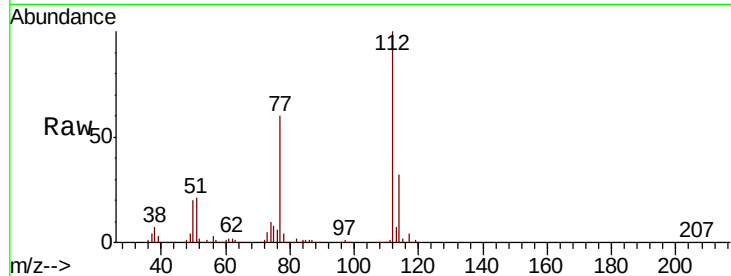




#65
Chlorobenzene
Concen: 47.597 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

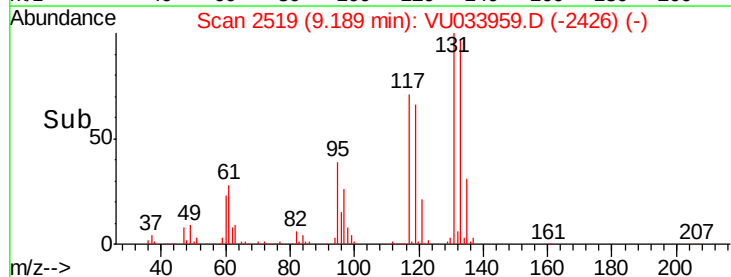
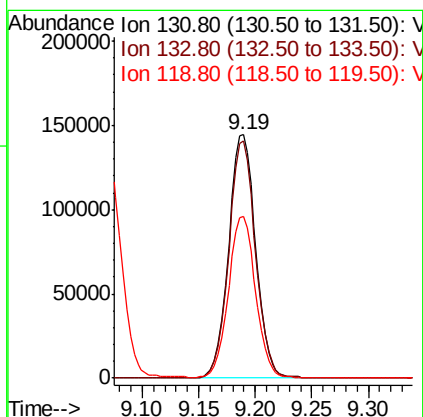
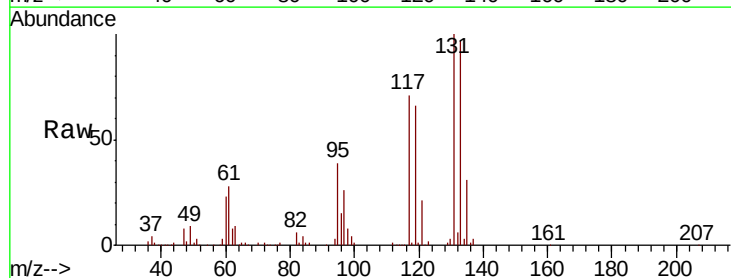
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

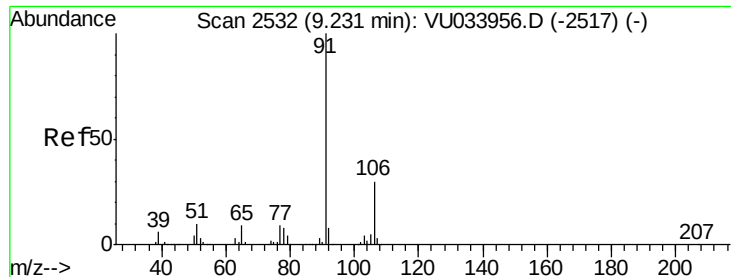
Tot Ion:112 Resp: 658437
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 47.022 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion:131 Resp: 240655
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 66.0 33.3 99.8

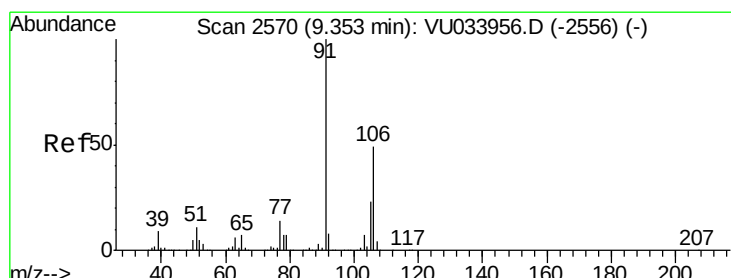
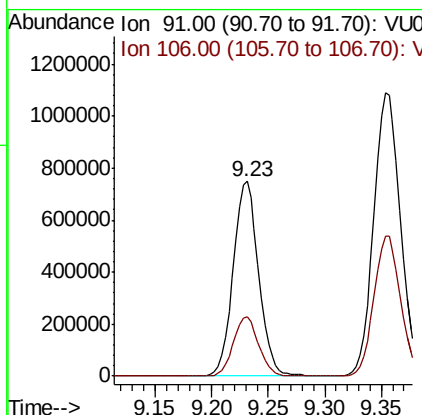
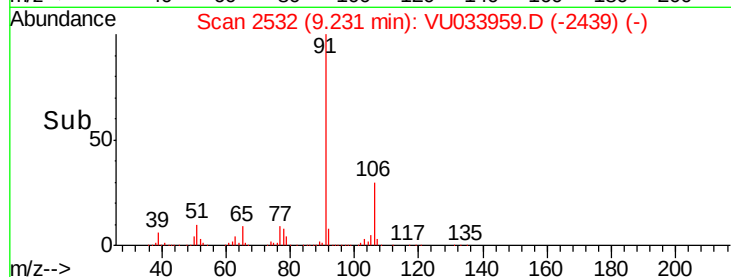
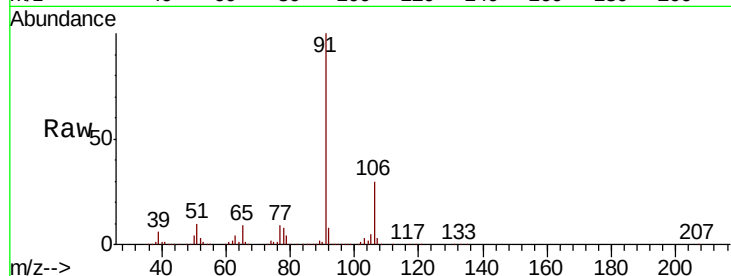




#67
Ethyl Benzene
Concen: 51.613 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

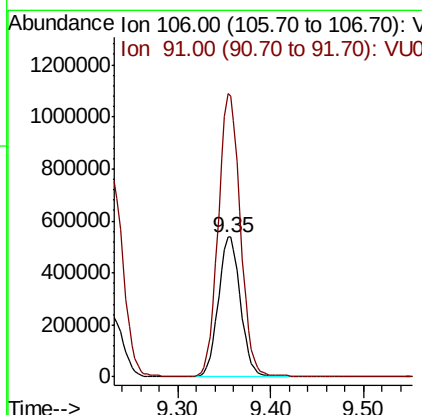
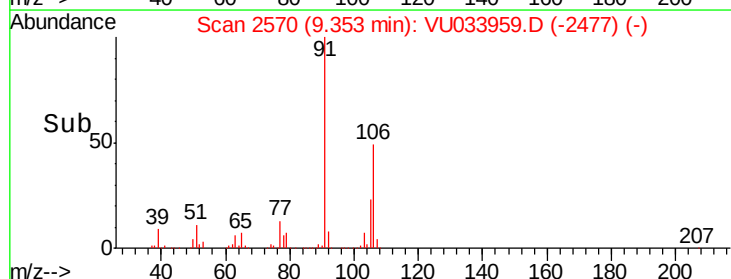
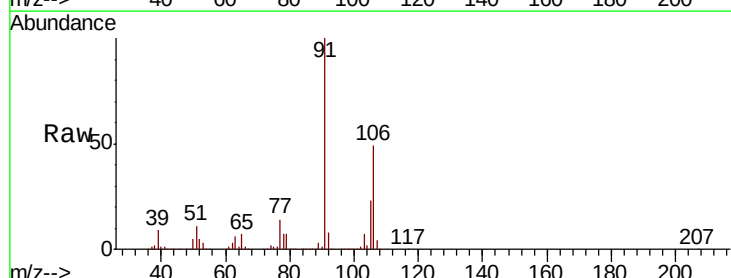
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

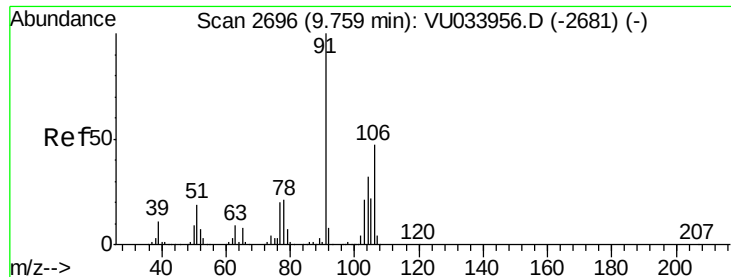
Tot Ion: 91 Resp: 1173750
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 106.278 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 106 Resp: 890033
Ion Ratio Lower Upper
106 100
91 202.7 163.8 245.6

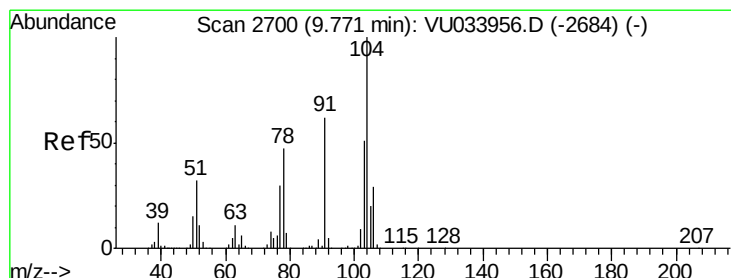
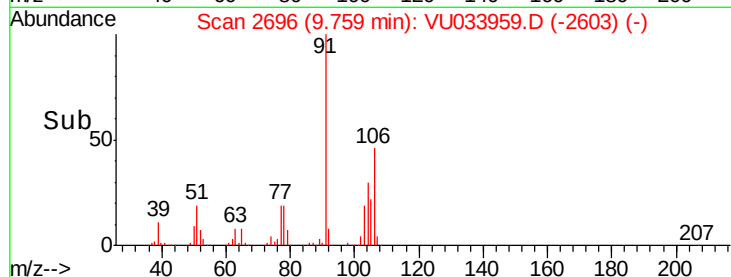
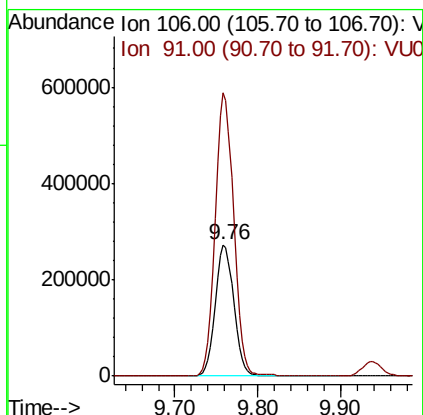
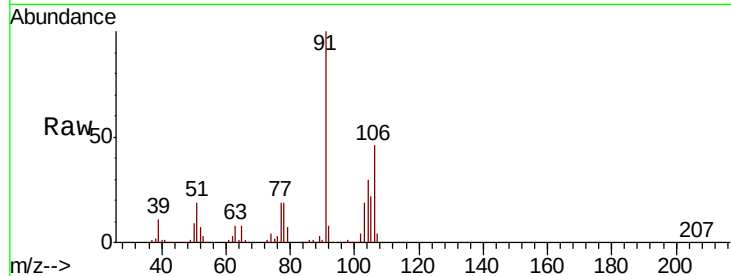




#69
o-Xylene
Concen: 52.829 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

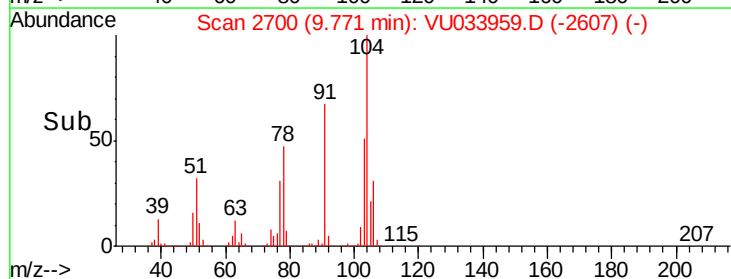
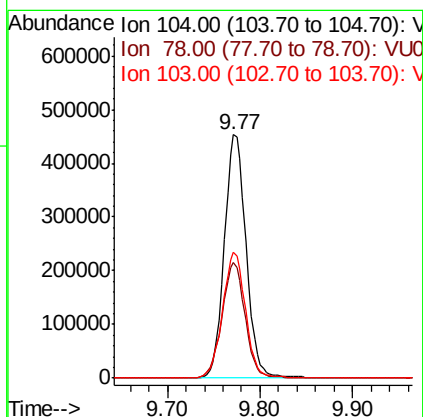
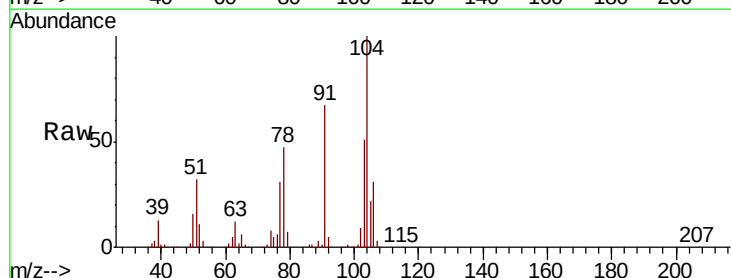
Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

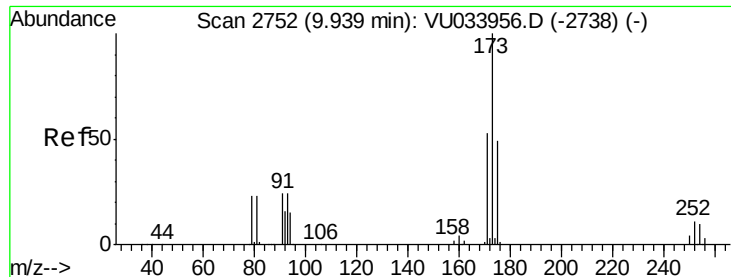
Tot Ion:106 Resp: 422912
Ion Ratio Lower Upper
106 100
91 214.3 106.9 320.7



#70
Styrene
Concen: 53.394 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion:104 Resp: 740414
Ion Ratio Lower Upper
104 100
78 50.4 40.4 60.6
103 54.5 43.8 65.6





#71

Bromoform

Concen: 48.047 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

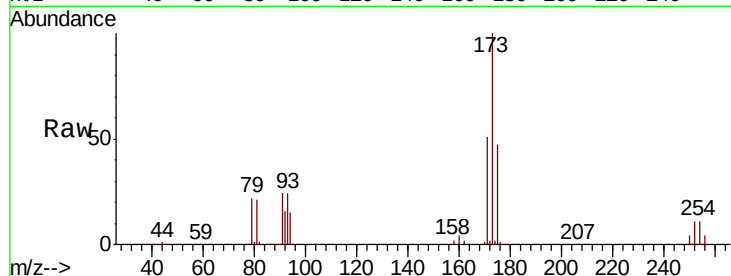
Tot Ion:173 Resp: 207033

Ion Ratio Lower Upper

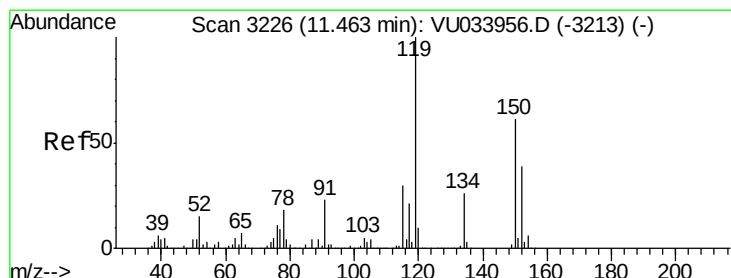
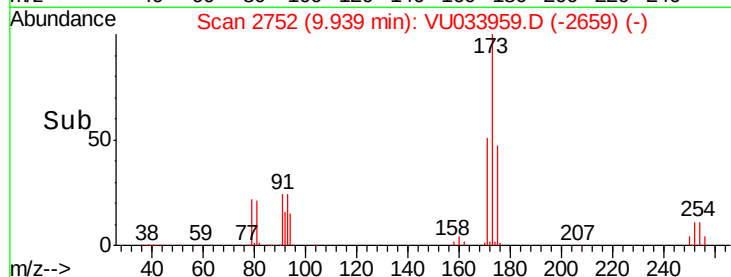
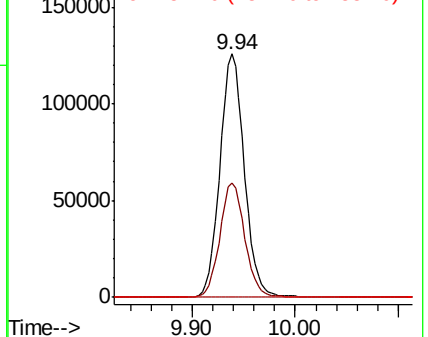
173 100

175 48.1 24.8 74.3

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

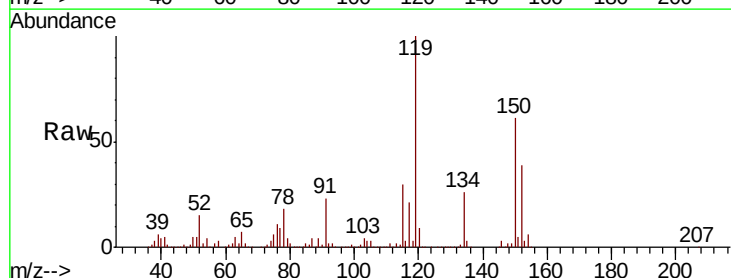
Tgt Ion:152 Resp: 353242

Ion Ratio Lower Upper

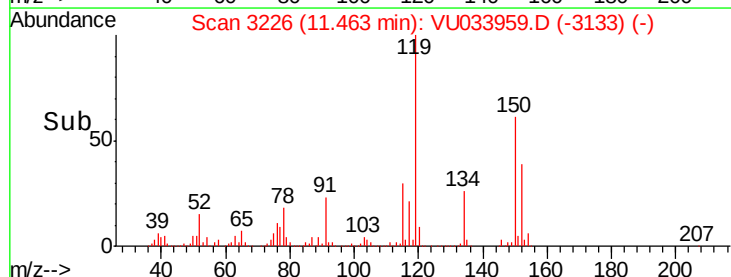
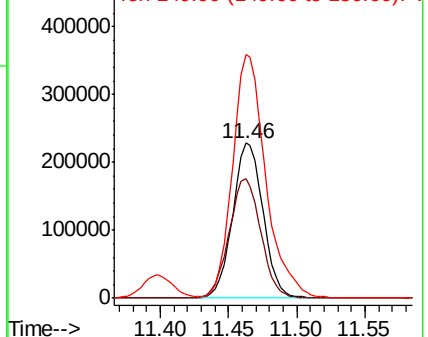
152 100

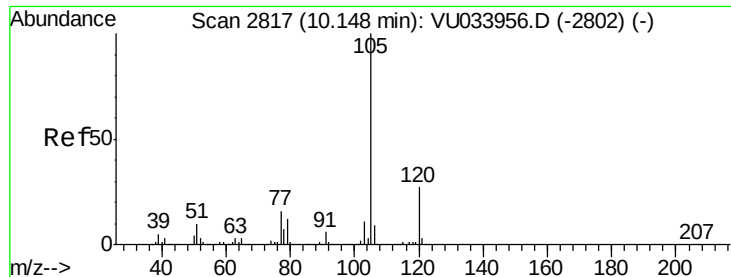
115 80.1 40.3 120.9

150 171.2 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.658 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

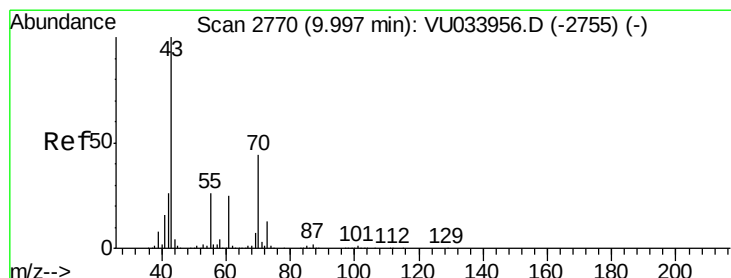
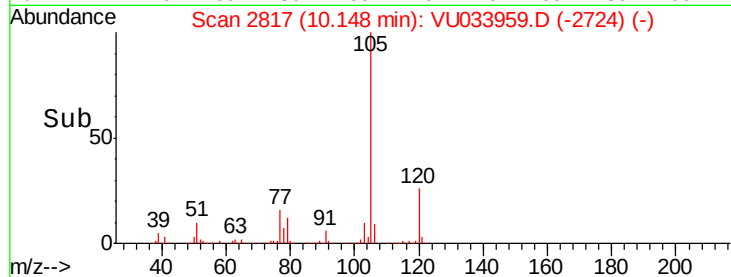
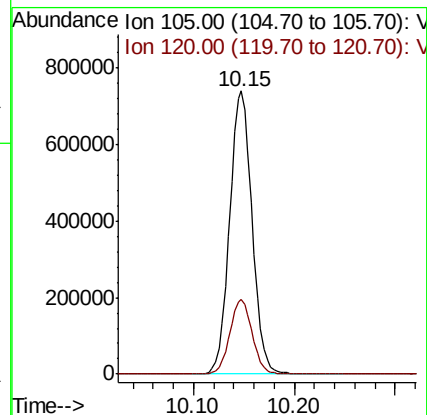
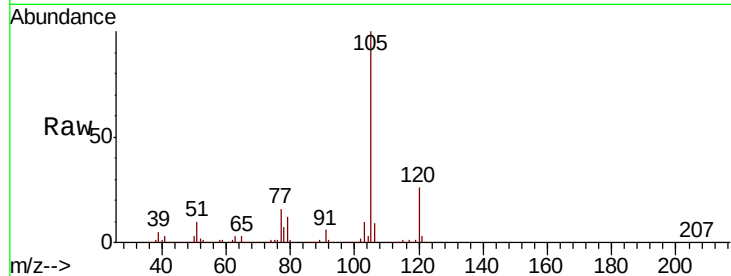
ICVVU082719

Tot Ion:105 Resp: 1149648

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 47.352 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion: 43 Resp: 543565

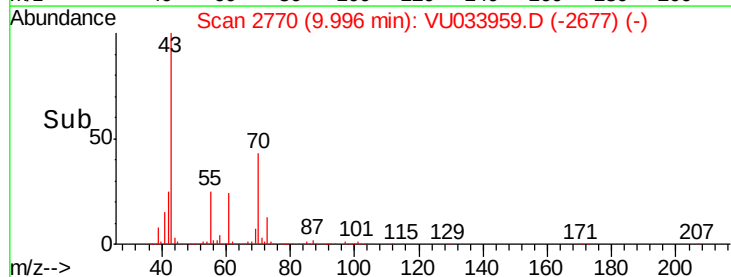
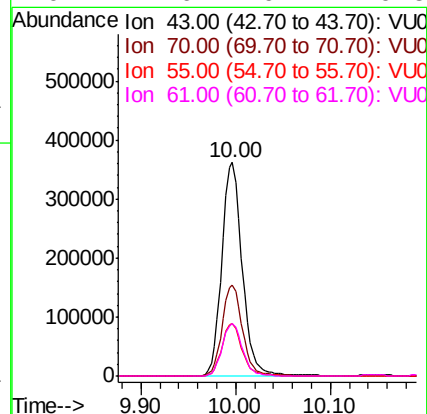
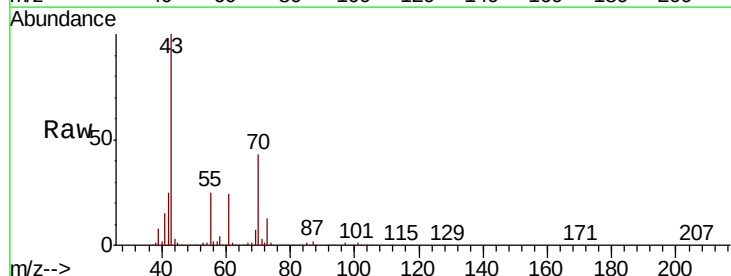
Ion Ratio Lower Upper

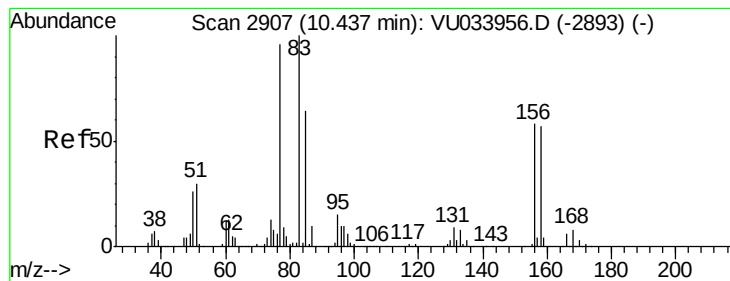
43 100

70 42.7 34.5 51.7

55 24.7 20.9 31.3

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.527 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

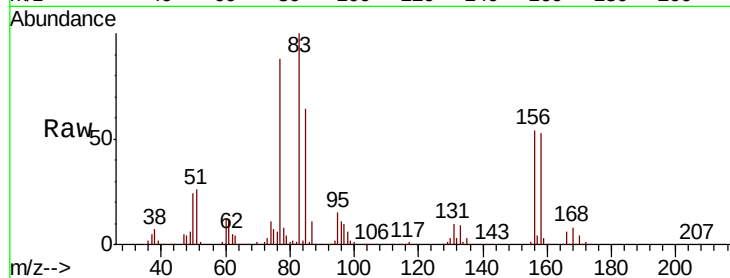
Tot Ion: 83 Resp: 434679

Ion Ratio Lower Upper

83 100

131 9.4 4.6 13.8

85 64.3 32.4 97.0

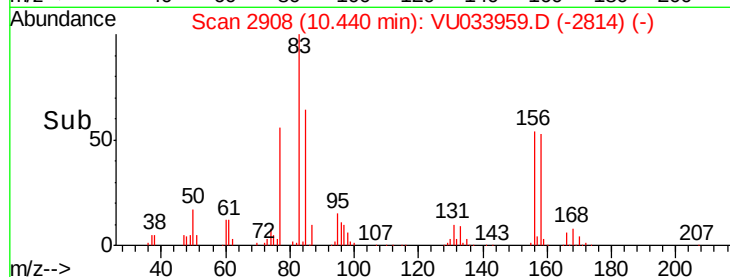


Abundance Ion 82.90 (82.60 to 83.60): VU033959.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU033959.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU033959.D (-2893) (-)

Time-->

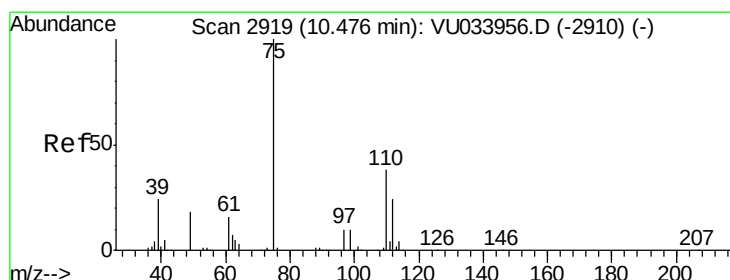


Abundance Ion 82.90 (82.60 to 83.60): VU033959.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU033959.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU033959.D (-2814) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 61.532 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033959.D

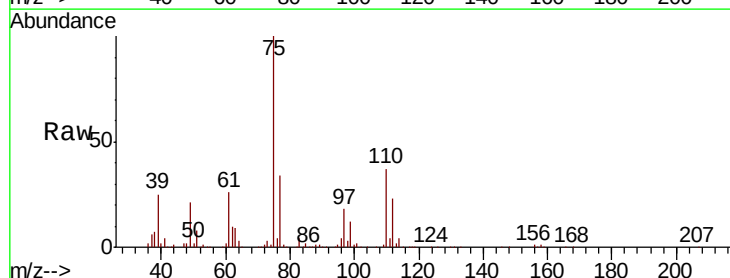
Acq: 26 Aug 2019 19:24

Tgt Ion: 75 Resp: 502850

Ion Ratio Lower Upper

75 100

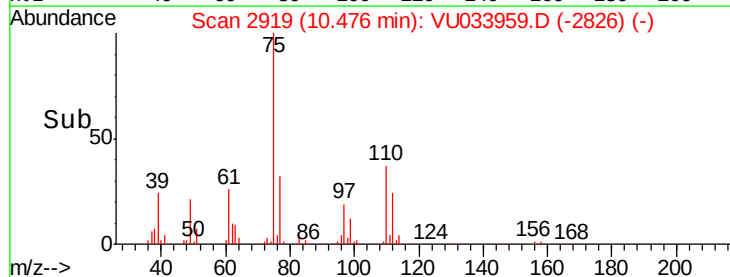
77 31.5 20.1 60.3



Abundance Ion 74.90 (74.60 to 75.60): VU033959.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033959.D (-2826) (-)

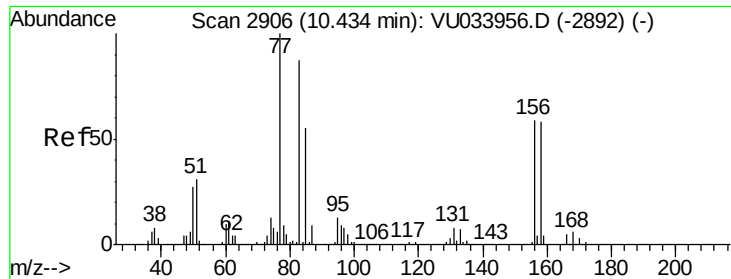
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU033959.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033959.D (-2826) (-)

Time-->



#77

Bromobenzene

Concen: 49.281 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

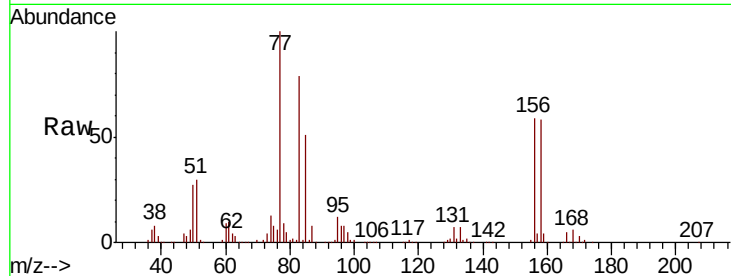
Tot Ion:156 Resp: 287239

Ion Ratio Lower Upper

156 100

77 170.5 85.3 255.8

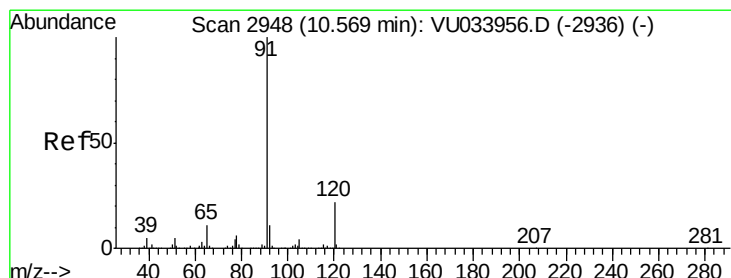
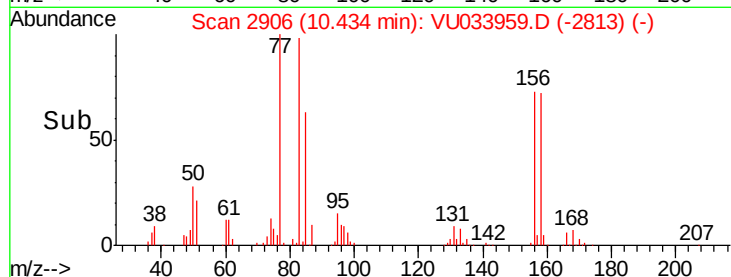
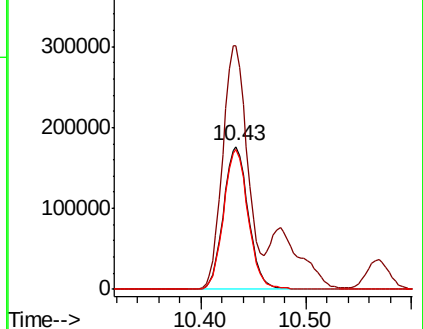
158 97.0 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.230 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033959.D

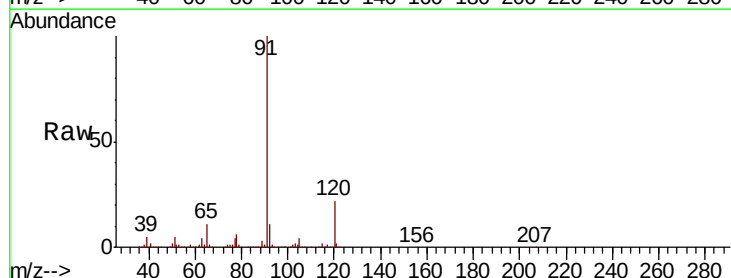
Acq: 26 Aug 2019 19:24

Tgt Ion: 91 Resp: 1363368

Ion Ratio Lower Upper

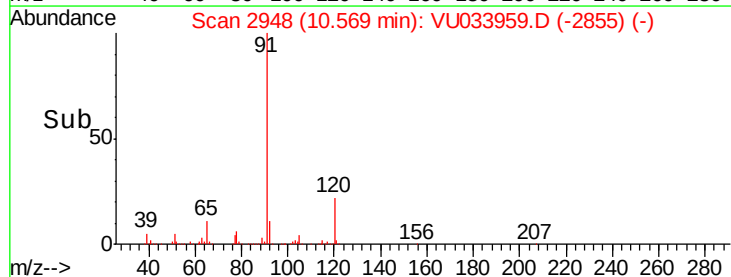
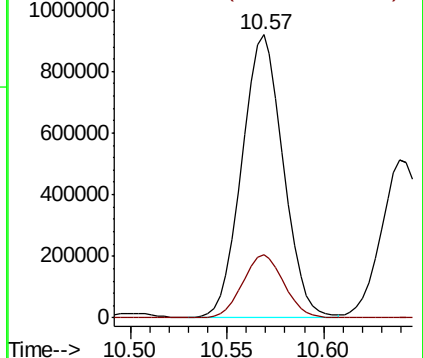
91 100

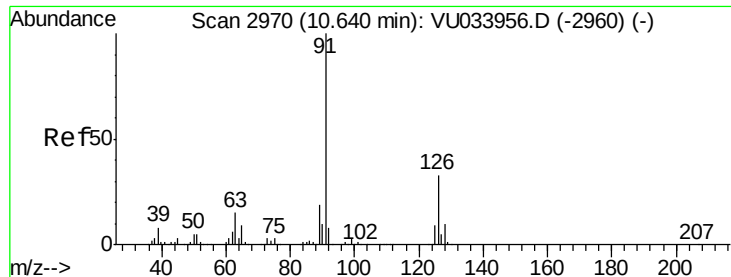
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.510 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

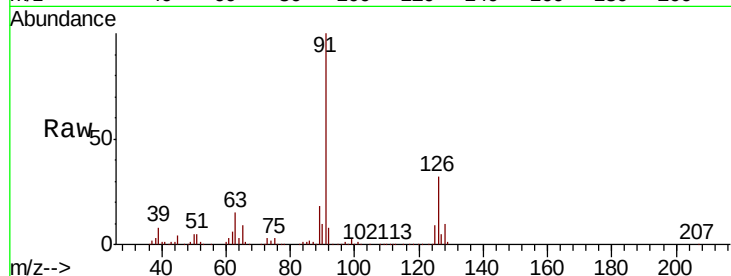
ICVVU082719

Tot Ion: 91 Resp: 805175

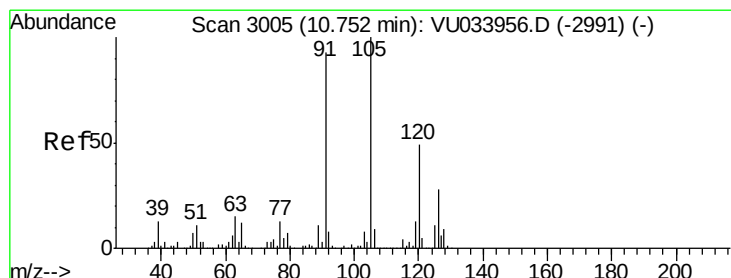
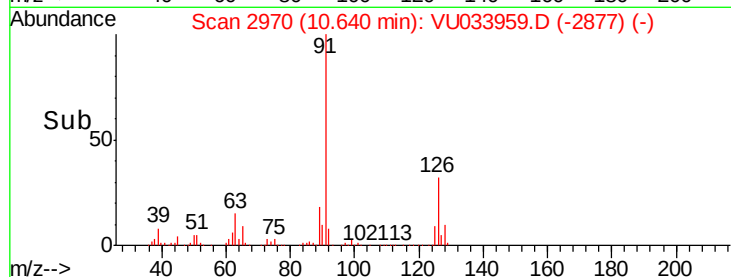
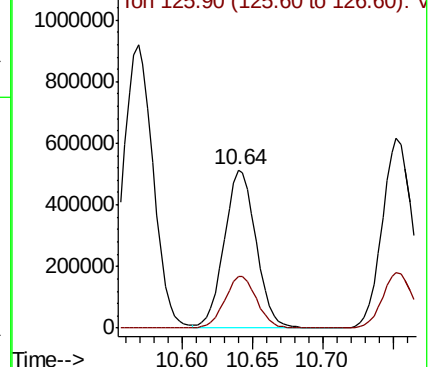
Ion Ratio Lower Upper

91 100

126 32.9 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VU033959.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.480 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033959.D

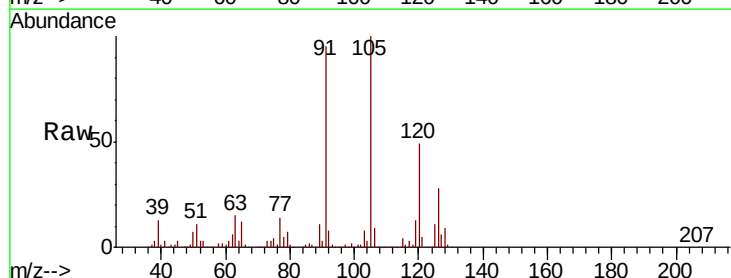
Acq: 26 Aug 2019 19:24

Tgt Ion:105 Resp: 979185

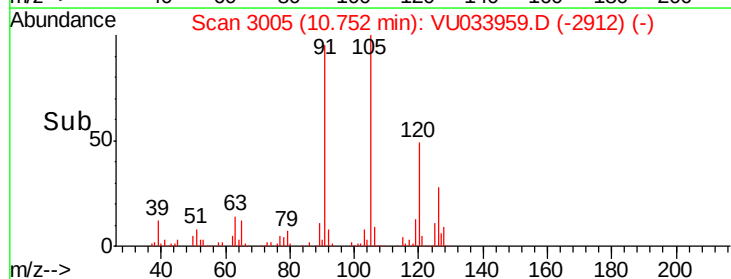
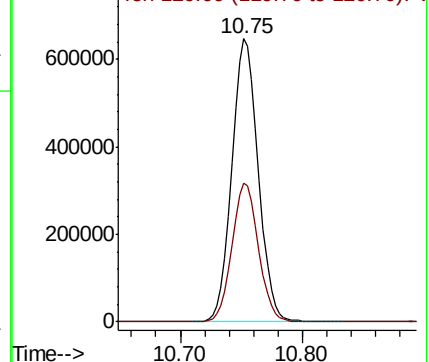
Ion Ratio Lower Upper

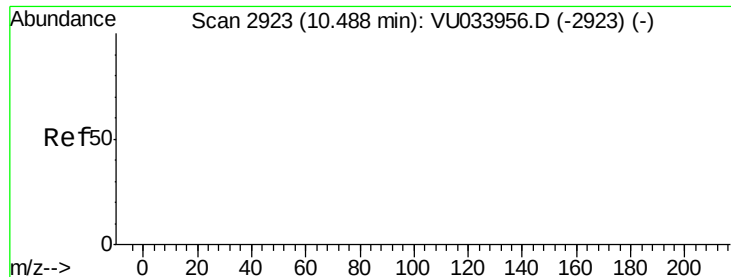
105 100

120 49.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033959.D (-2991) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 164.062 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.01 min

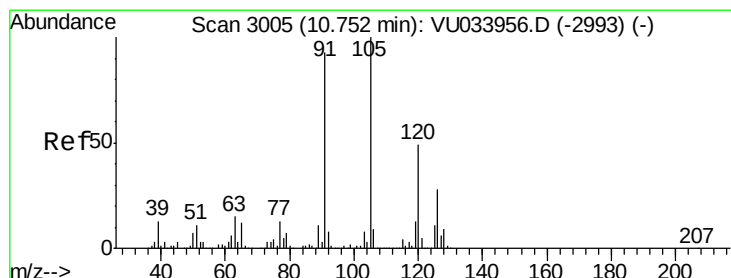
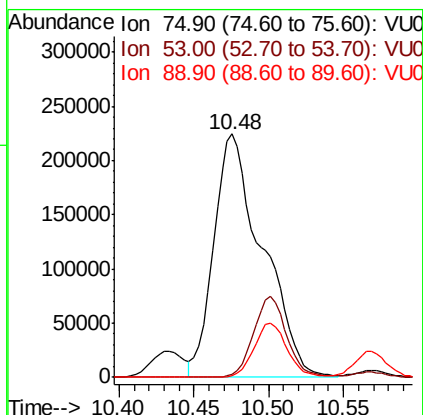
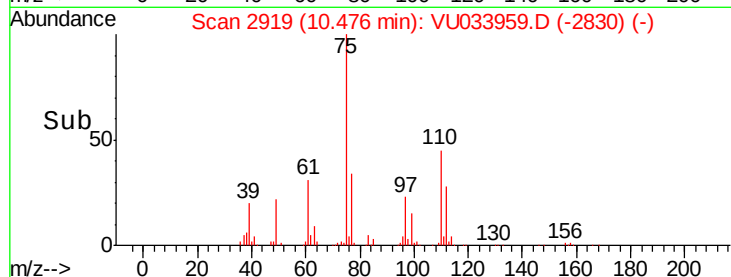
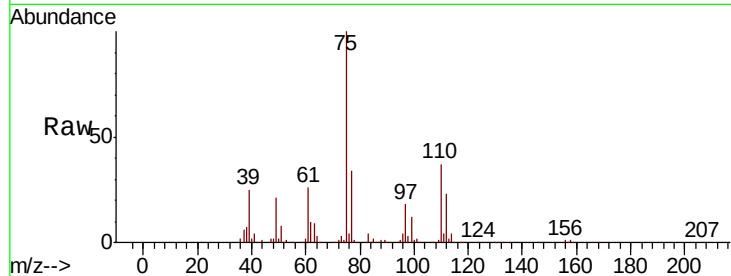
Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion: 75 Resp: 502823

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 51.172 ug/l

RT: 10.75 min Scan# 3005

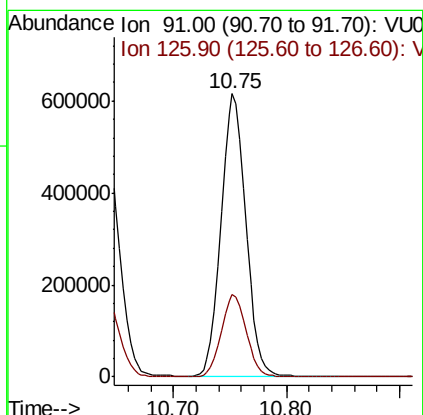
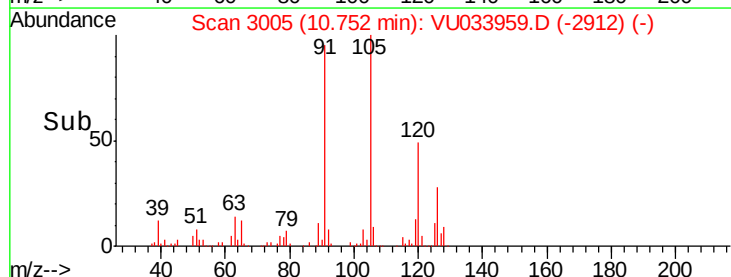
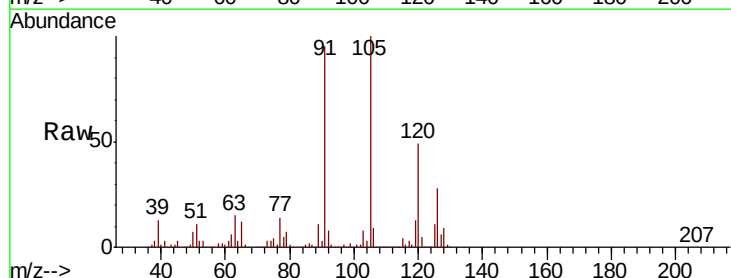
Delta R.T. -0.00 min

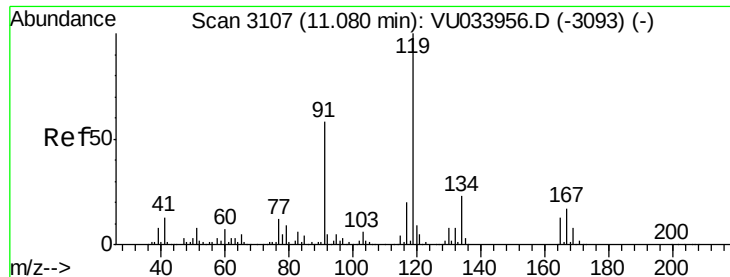
Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion: 91 Resp: 940224

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.8	44.3

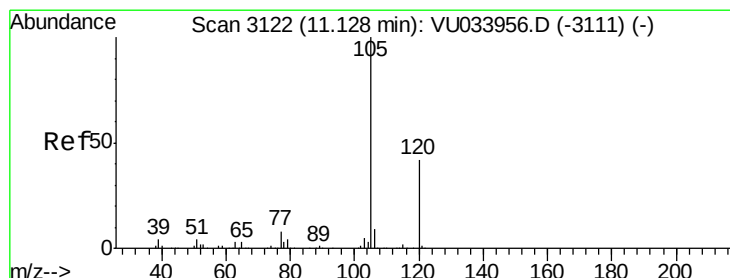
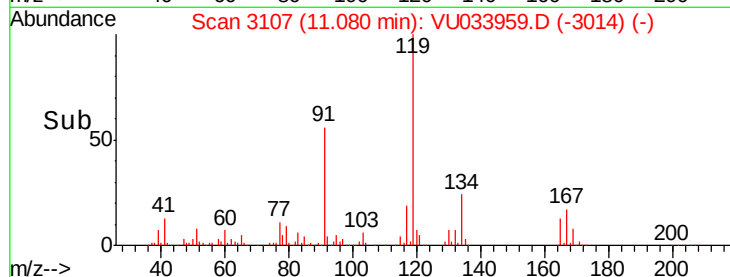
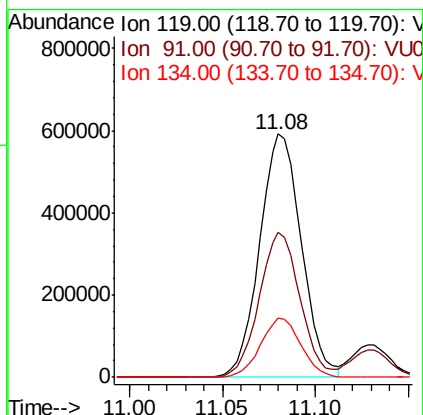
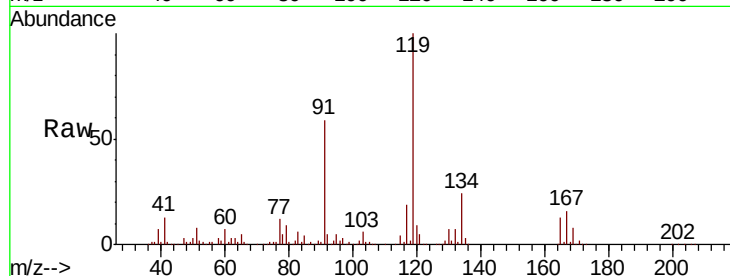




#83
 tert-Butylbenzene
 Concen: 52.911 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

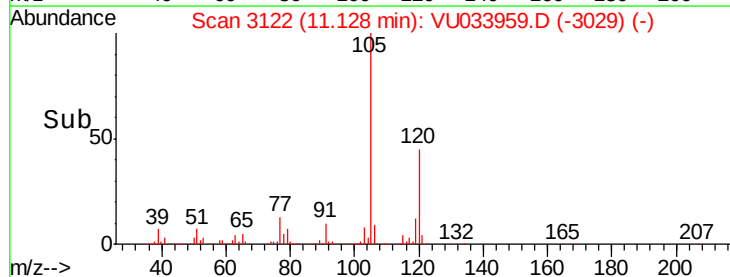
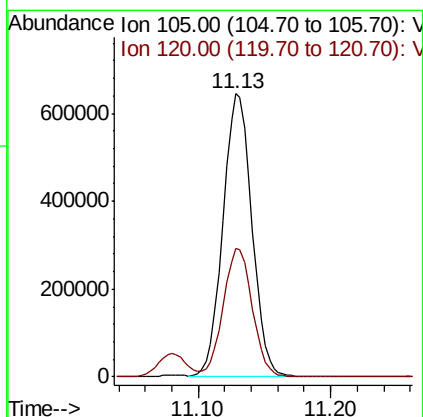
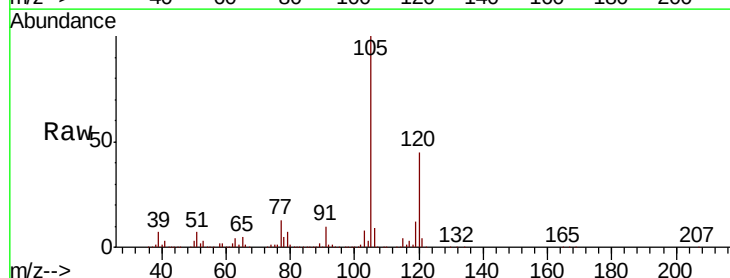
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

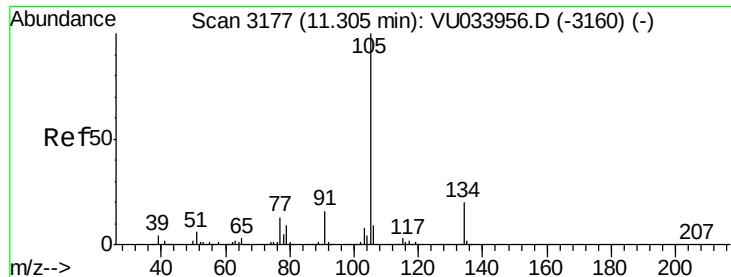
Tot Ion:119 Resp: 923659
 Ion Ratio Lower Upper
 119 100
 91 58.1 28.6 85.8
 134 23.5 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 53.627 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion:105 Resp: 974765
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.610 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

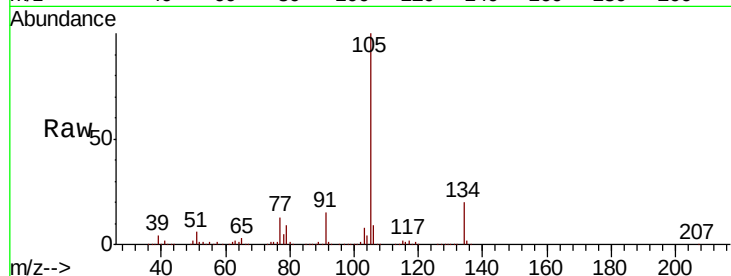
ICVVU082719

Tot Ion:105 Resp: 1152113

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

800000

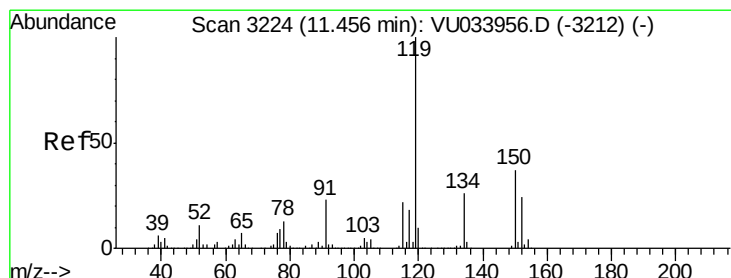
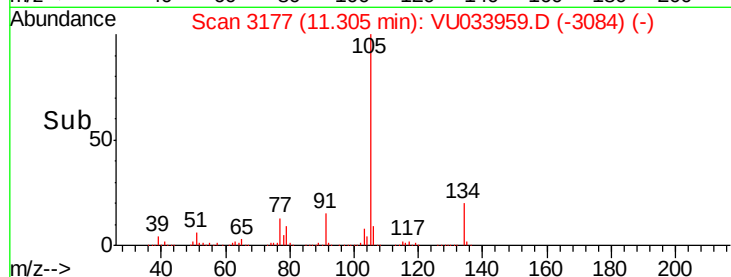
600000

400000

200000

0

Time--> 11.20 11.30 11.40



#86

p-Isopropyltoluene

Concen: 53.034 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

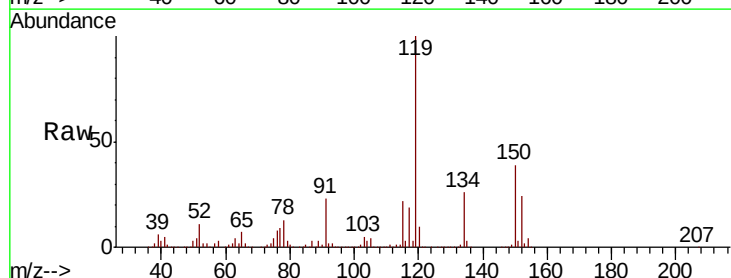
Tgt Ion:119 Resp: 1052970

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.3 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.46

800000

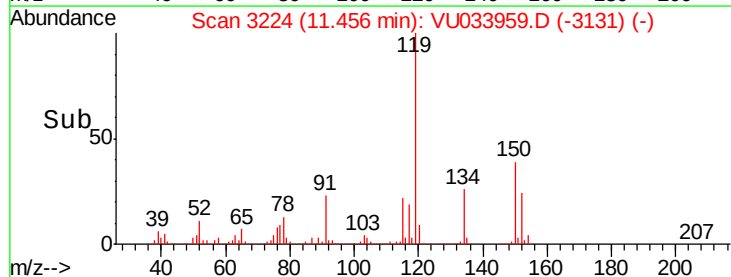
600000

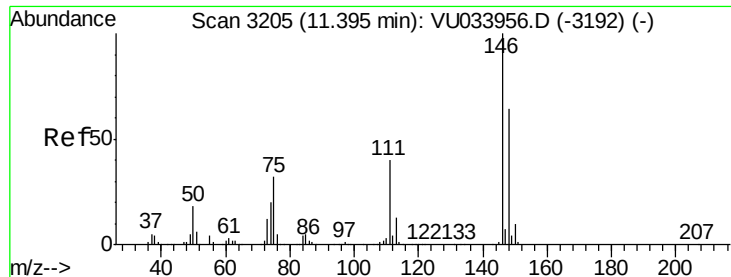
400000

200000

0

Time--> 11.40 11.50

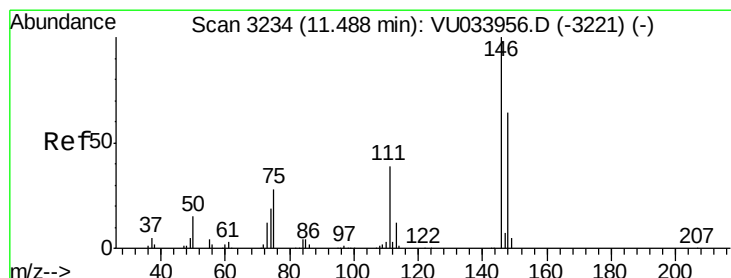
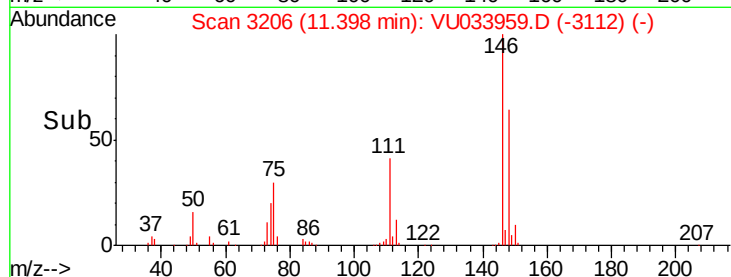
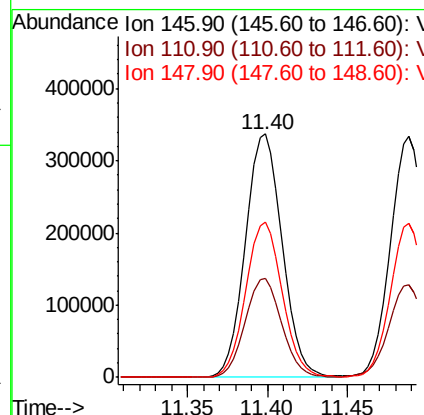
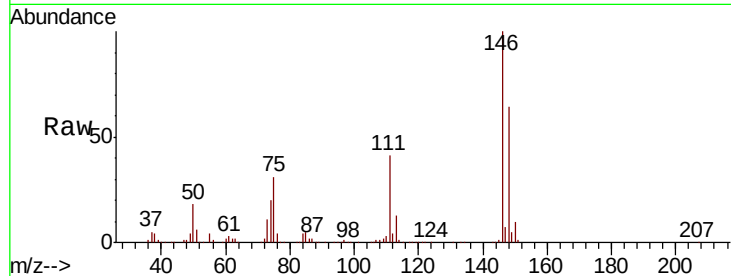




#87
 1,3-Dichlorobenzene
 Concen: 47.797 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

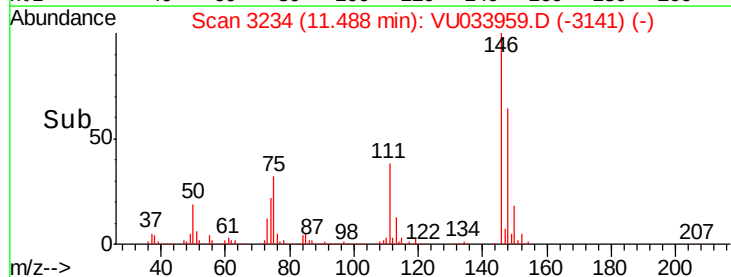
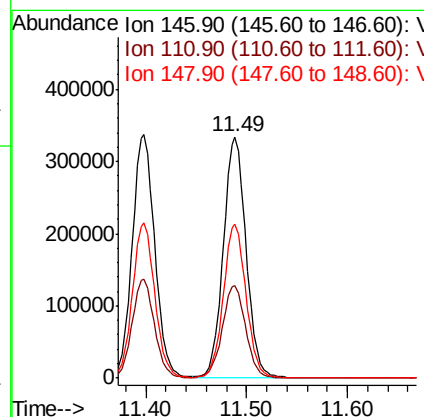
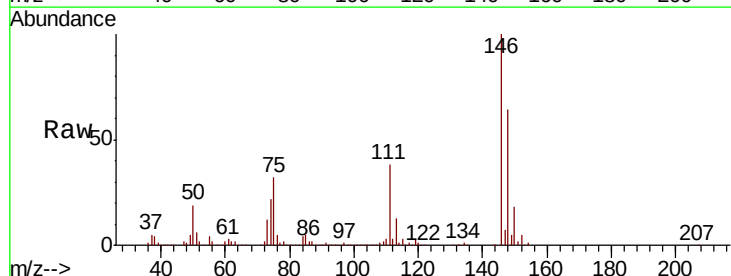
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

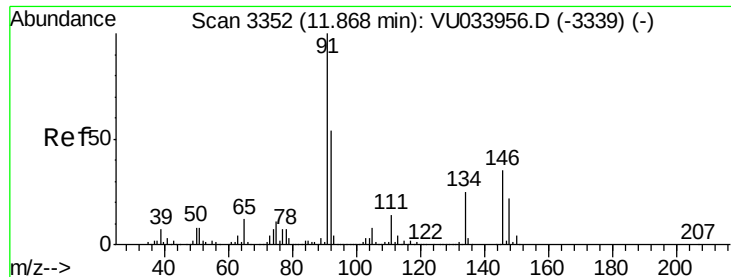
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	63.4	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.206 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.1	32.2	96.6





#89

n-Butylbenzene

Concen: 46.997 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

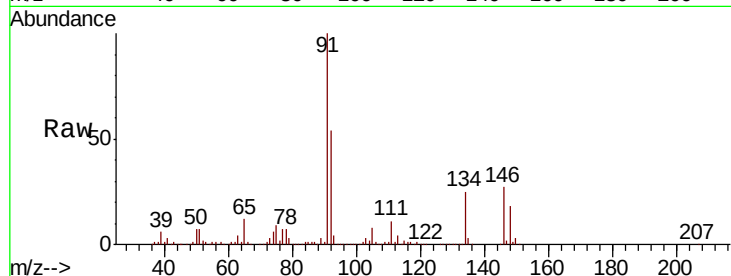
Tot Ion: 91 Resp: 984567

Ion Ratio Lower Upper

91 100

92 54.1 26.9 80.6

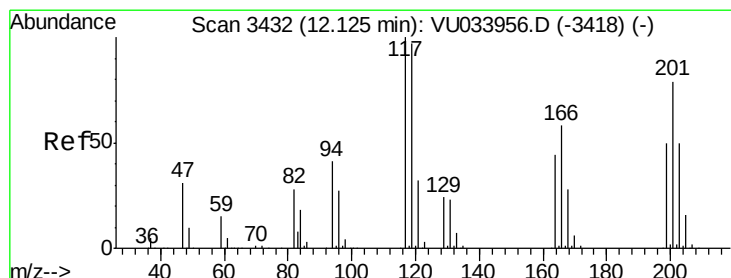
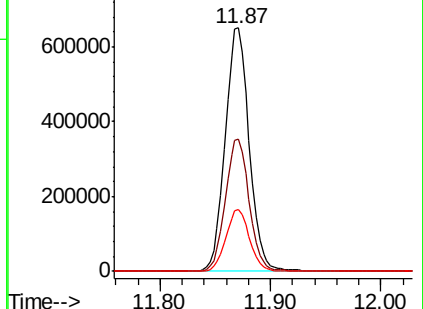
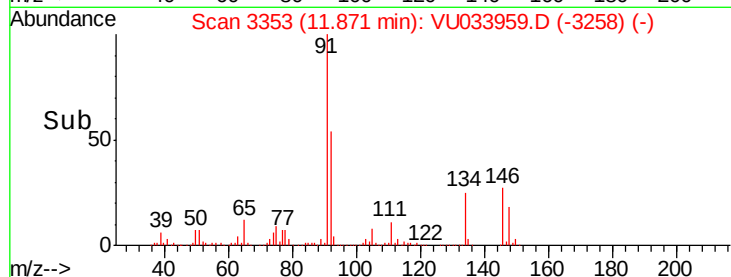
134 25.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VU033959.D (-3339) (-)

Ion 92.00 (91.70 to 92.70): VU033959.D (-3339) (-)

Ion 134.00 (133.70 to 134.70): VU033959.D (-3339) (-)



#90

Hexachloroethane

Concen: 48.836 ug/l

RT: 12.12 min Scan# 3432

Delta R.T. -0.00 min

Lab File: VU033959.D

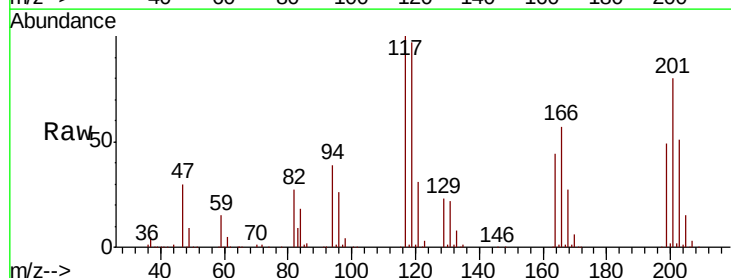
Acq: 26 Aug 2019 19:24

Tgt Ion: 117 Resp: 189890

Ion Ratio Lower Upper

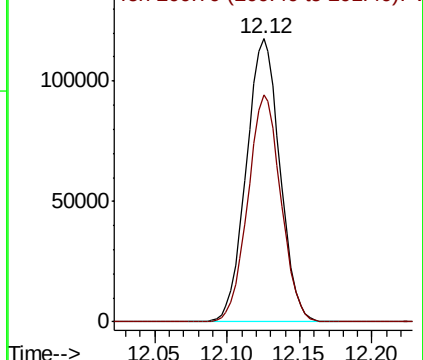
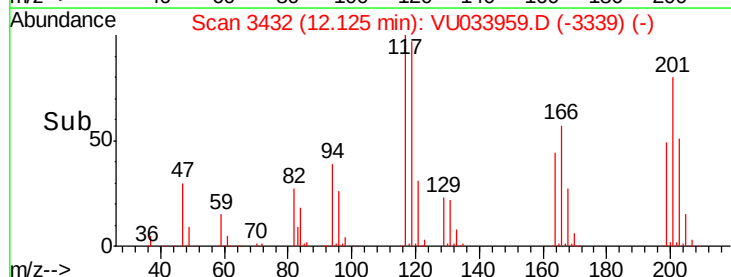
117 100

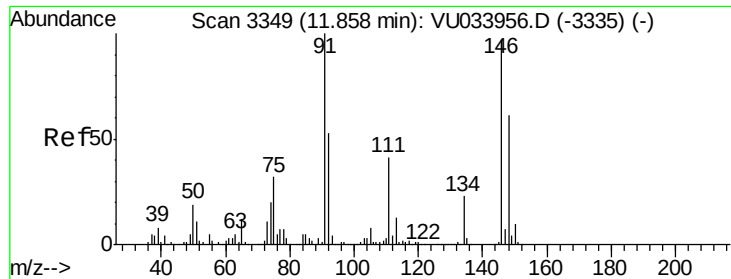
201 78.9 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VU033959.D (-3339) (-)

Ion 200.70 (200.40 to 201.40): VU033959.D (-3339) (-)

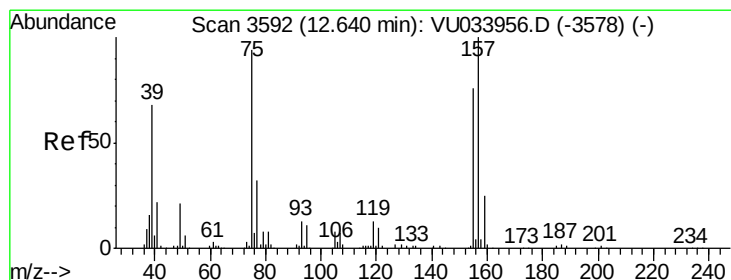
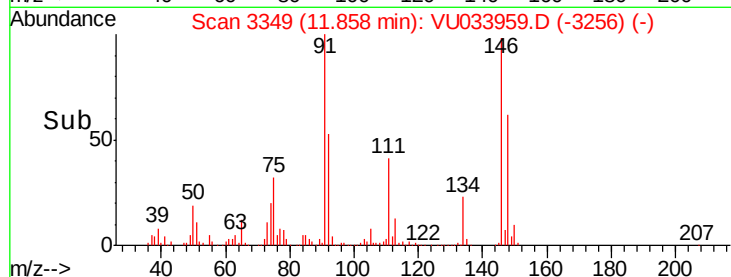
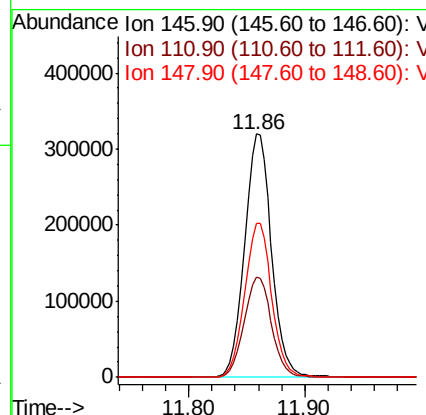
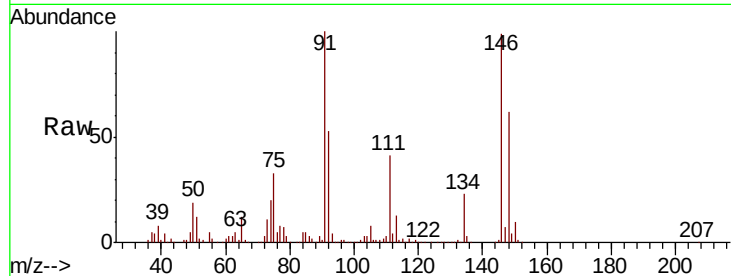




#91
 1,2-Dichlorobenzene
 Concen: 48.644 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

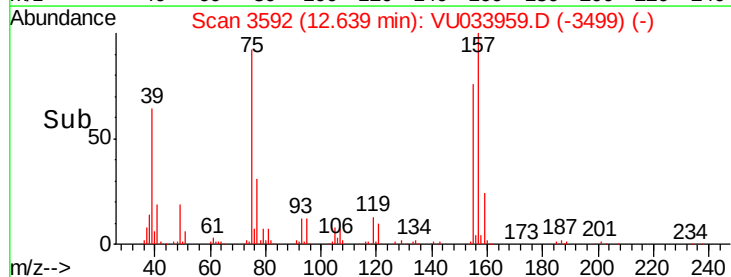
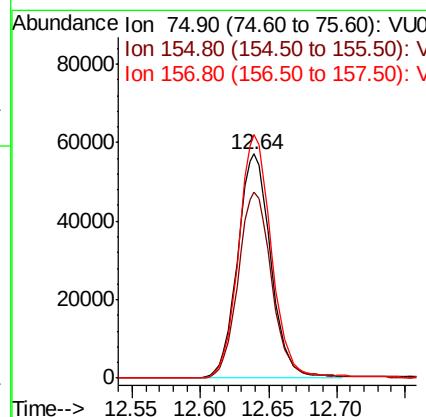
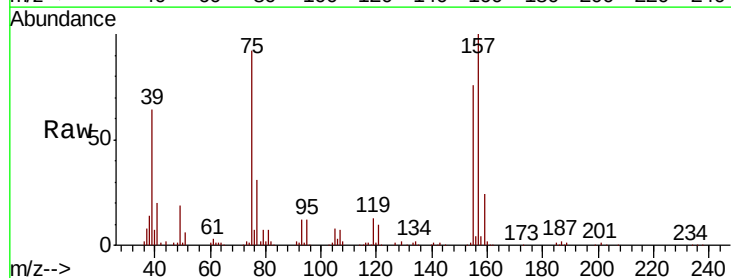
Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

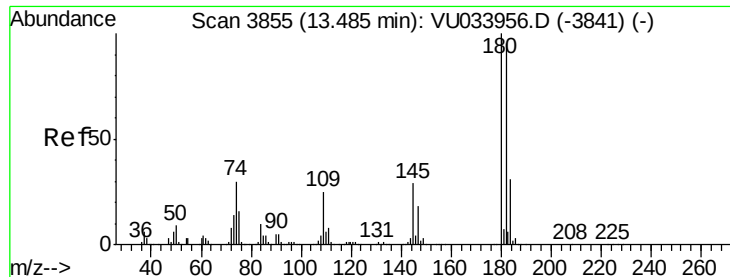
Tot Ion:146 Resp: 514016
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.1
 148 63.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.388 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 75 Resp: 96641
 Ion Ratio Lower Upper
 75 100
 155 82.8 40.0 119.9
 157 106.7 51.9 155.7

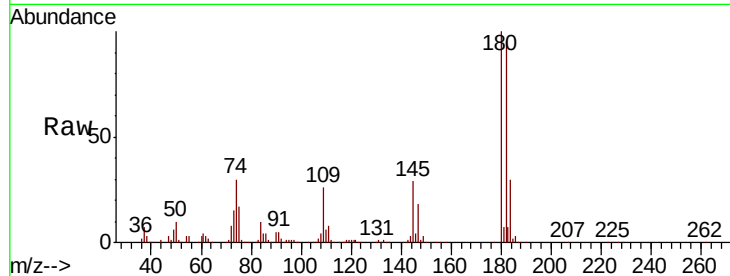




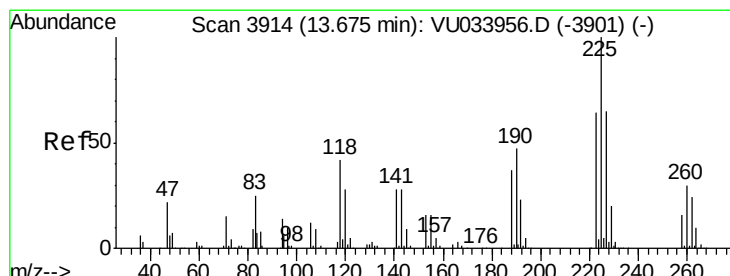
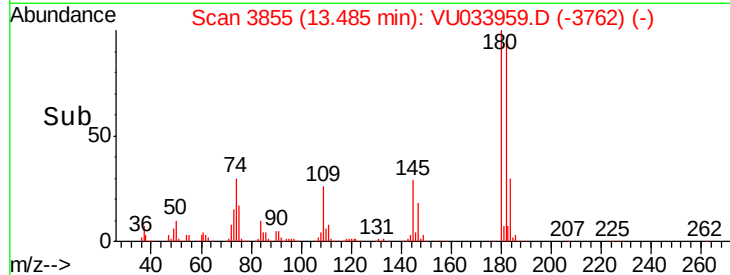
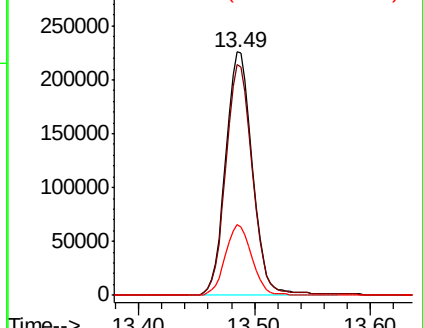
#93
 1,2,4-Trichlorobenzene
 Concen: 47.583 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion:180 Resp: 360670
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.4 142.3
 145 28.8 14.2 42.8

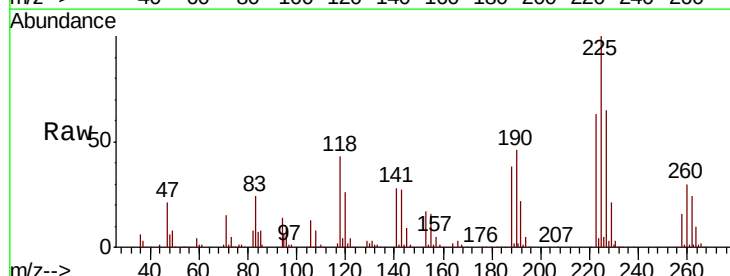


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

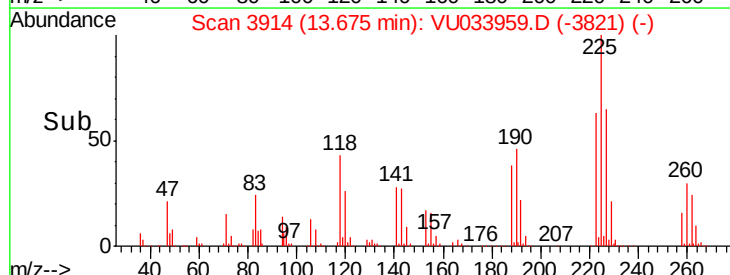
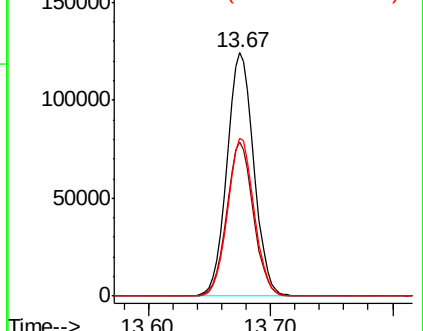


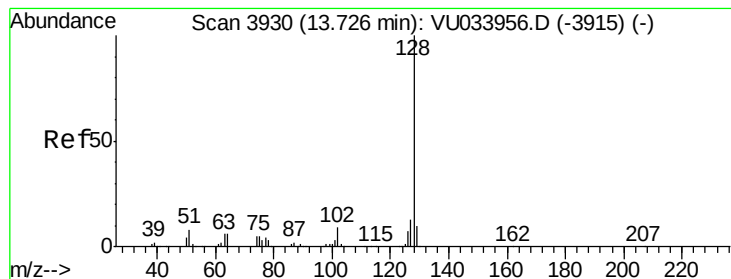
#94
 Hexachlorobutadiene
 Concen: 48.497 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion:225 Resp: 191526
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 64.0 32.3 96.8



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





#95

Naphthalene

Concen: 47.595 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

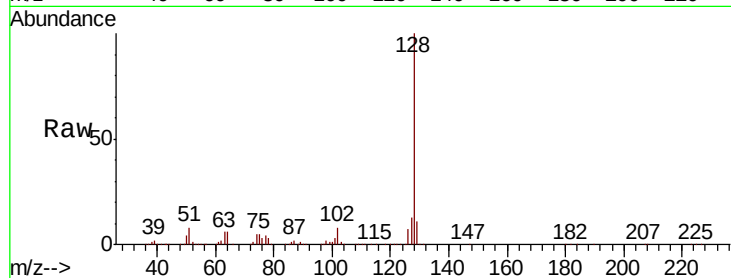
Tot Ion:128 Resp: 1083323

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

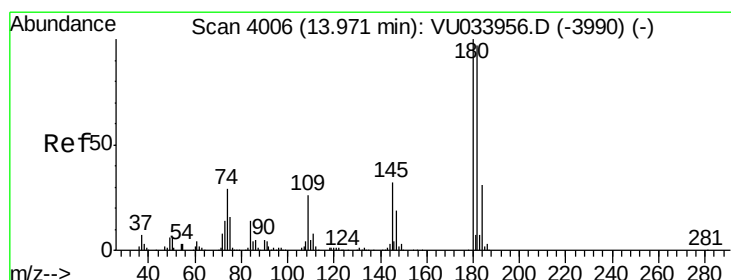
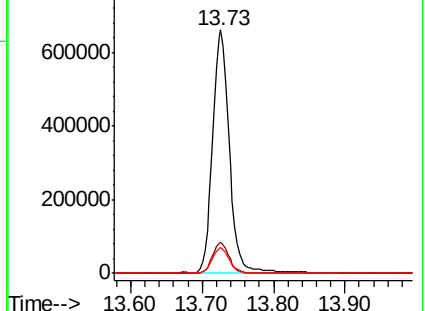
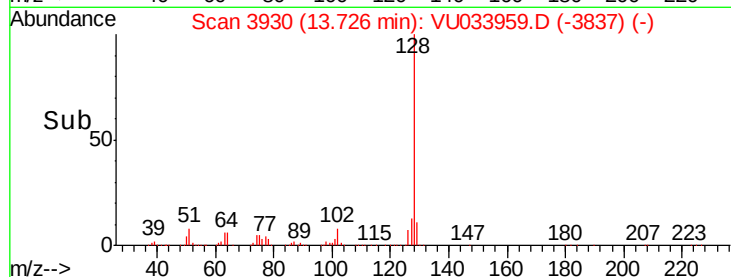
129 10.5 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.356 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

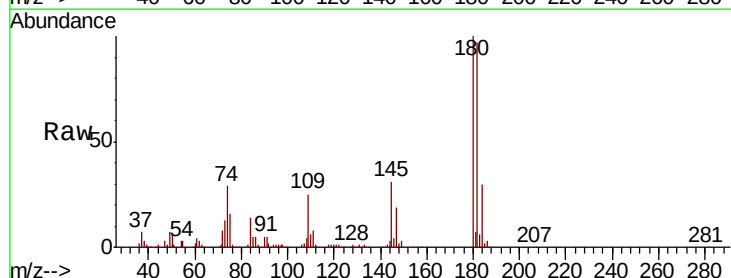
Tgt Ion:180 Resp: 359512

Ion Ratio Lower Upper

180 100

182 95.1 48.6 145.8

145 30.6 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

