

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082719\
 Data File : VU033958.D
 Acq On : 26 Aug 2019 18:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 27 06:04:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	456616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	755050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	745705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	407629	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	923348	135.43	ug/l	0.00
Spiked Amount			Recovery	=	270.86%	
35) Dibromofluoromethane	4.85	113	727650	152.56	ug/l	0.00
Spiked Amount			Recovery	=	305.12%	
50) Toluene-d8	7.54	98	2768989	147.72	ug/l	0.00
Spiked Amount			Recovery	=	295.44%	
62) 4-Bromofluorobenzene	10.29	95	1111776	158.64	ug/l	0.00
Spiked Amount			Recovery	=	317.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	832666	138.603	ug/l	99
3) Chloromethane	1.32	50	924291	87.640	ug/l	100
4) Vinyl Chloride	1.39	62	1057331	132.889	ug/l	99
5) Bromomethane	1.59	94	433498	129.991	ug/l	97
6) Chloroethane	1.66	64	620012	136.402	ug/l	99
7) Trichlorofluoromethane	1.86	101	1203752	141.099	ug/l	99
8) Diethyl Ether	2.09	74	529344	134.296	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	706052	139.081	ug/l	99
10) Methyl Iodide	2.39	142	1129361	243.659	ug/l	100
11) Tert butyl alcohol	2.83	59	1171978	771.209	ug/l	100
12) 1,1-Dichloroethene	2.26	96	727707	143.840	ug/l	99
13) Acrolein	2.17	56	633308	548.858	ug/l	100
14) Allyl chloride	2.57	41	1479353	128.359	ug/l	90
15) Acrylonitrile	2.91	53	2832138	673.700	ug/l	99
16) Acetone	2.30	43	2546827	573.811	ug/l	98
17) Carbon Disulfide	2.45	76	2390489	132.355	ug/l	99
18) Methyl Acetate	2.59	43	1293485	115.259	ug/l	99
19) Methyl tert-butyl Ether	2.97	73	2546307	134.975	ug/l	100
20) Methylene Chloride	2.68	84	856429	128.696	ug/l	99
21) trans-1,2-Dichloroethene	2.95	96	803752	140.956	ug/l	99
22) Diisopropyl ether	3.54	45	2751540	122.287	ug/l	92
23) Vinyl Acetate	3.50	43	12682360	677.643	ug/l	100
24) 1,1-Dichloroethane	3.41	63	1574961	131.391	ug/l	100
25) 2-Butanone	4.23	43	4013758	665.486	ug/l	100
26) 2,2-Dichloropropane	4.19	77	1276725	133.774	ug/l	100
27) cis-1,2-Dichloroethene	4.19	96	911034	142.269	ug/l	99
28) Bromochloromethane	4.51	49	768592	141.532	ug/l	99
29) Tetrahydrofuran	4.61	42	2505584	649.778	ug/l	100
30) Chloroform	4.64	83	1449342	137.152	ug/l	100
31) Cyclohexane	4.96	56	1419189	101.690	ug/l	99
32) 1,1,1-Trichloroethane	4.88	97	1259772	143.287	ug/l	99
36) 1,1-Dichloropropene	5.11	75	1163694	142.120	ug/l	100
37) Ethyl Acetate	4.35	43	1434410	137.582	ug/l	100
38) Carbon Tetrachloride	5.11	117	1091039	160.279	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	1426934	143.377	ug/l	100
40) Benzene	5.36	78	3396480	140.626	ug/l	100
41) Methacrylonitrile	4.51	41	798579	140.535	ug/l	98
42) 1,2-Dichloroethane	5.38	62	1217008	142.784	ug/l	100
43) Isopropyl Acetate	5.52	43	2264196	138.219	ug/l	99
44) Trichloroethene	6.16	130	868971	158.223	ug/l	98
45) 1,2-Dichloropropane	6.41	63	936263	138.951	ug/l	99
46) Dibromomethane	6.53	93	611004	150.504	ug/l	99
47) Bromodichloromethane	6.73	83	1213196	152.221	ug/l	98
48) Methyl methacrylate	6.60	41	1111156	137.284	ug/l	99
49) 1,4-Dioxane	6.59	88	472317	3490.314	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	7603792	726.135	ug/l	99
52) Toluene	7.61	92	2071541	145.195	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	1478690	158.003	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	1545885	152.067	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	860953	151.724	ug/l	99
56) Ethyl methacrylate	8.00	69	1539888	161.681	ug/l	98
57) 1,3-Dichloropropane	8.22	76	1560775	148.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	3061537	653.867	ug/l	100
59) 2-Hexanone	8.35	43	5991456	723.403	ug/l	98
60) Dibromochloromethane	8.46	129	975343	172.301	ug/l	100
61) 1,2-Dibromoethane	8.57	107	947738	158.727	ug/l	98
64) Tetrachloroethene	8.21	164	714285	142.512	ug/l	99
65) Chlorobenzene	9.10	112	2305766	146.071	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	867999	169.049	ug/l	99
67) Ethyl Benzene	9.23	91	4128567	143.272	ug/l	100
68) m/p-Xylenes	9.36	106	3100029	294.914	ug/l	99
69) o-Xylene	9.76	106	1522868	149.478	ug/l	100
70) Styrene	9.77	104	2705731	158.587	ug/l	99
71) Bromoform	9.94	173	800685	183.353	ug/l #	99
73) Isopropylbenzene	10.15	105	4146139	135.428	ug/l	99
74) N-amyl acetate	10.00	43	2142061	125.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	1574240	133.954	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	1888452	184.806	ug/l	86
77) Bromobenzene	10.43	156	1046903	144.781	ug/l	99
78) n-propylbenzene	10.57	91	4982846	131.619	ug/l	100
79) 2-Chlorotoluene	10.64	91	2864057	131.306	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	3607541	141.933	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	1888374	424.032	ug/l #	100
82) 4-Chlorotoluene	10.75	91	3445265	132.902	ug/l	100
83) tert-Butylbenzene	11.08	119	3530625	144.456	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	3634896	139.068	ug/l	100
85) sec-Butylbenzene	11.30	105	4355372	139.470	ug/l	99
86) p-Isopropyltoluene	11.46	119	4008409	149.069	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1960472	143.433	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1926965	136.541	ug/l	99
89) n-Butylbenzene	11.87	91	3837233	142.770	ug/l	99
90) Hexachloroethane	12.12	117	738616	177.151	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1912314	140.393	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	384939	151.389	ug/l	95

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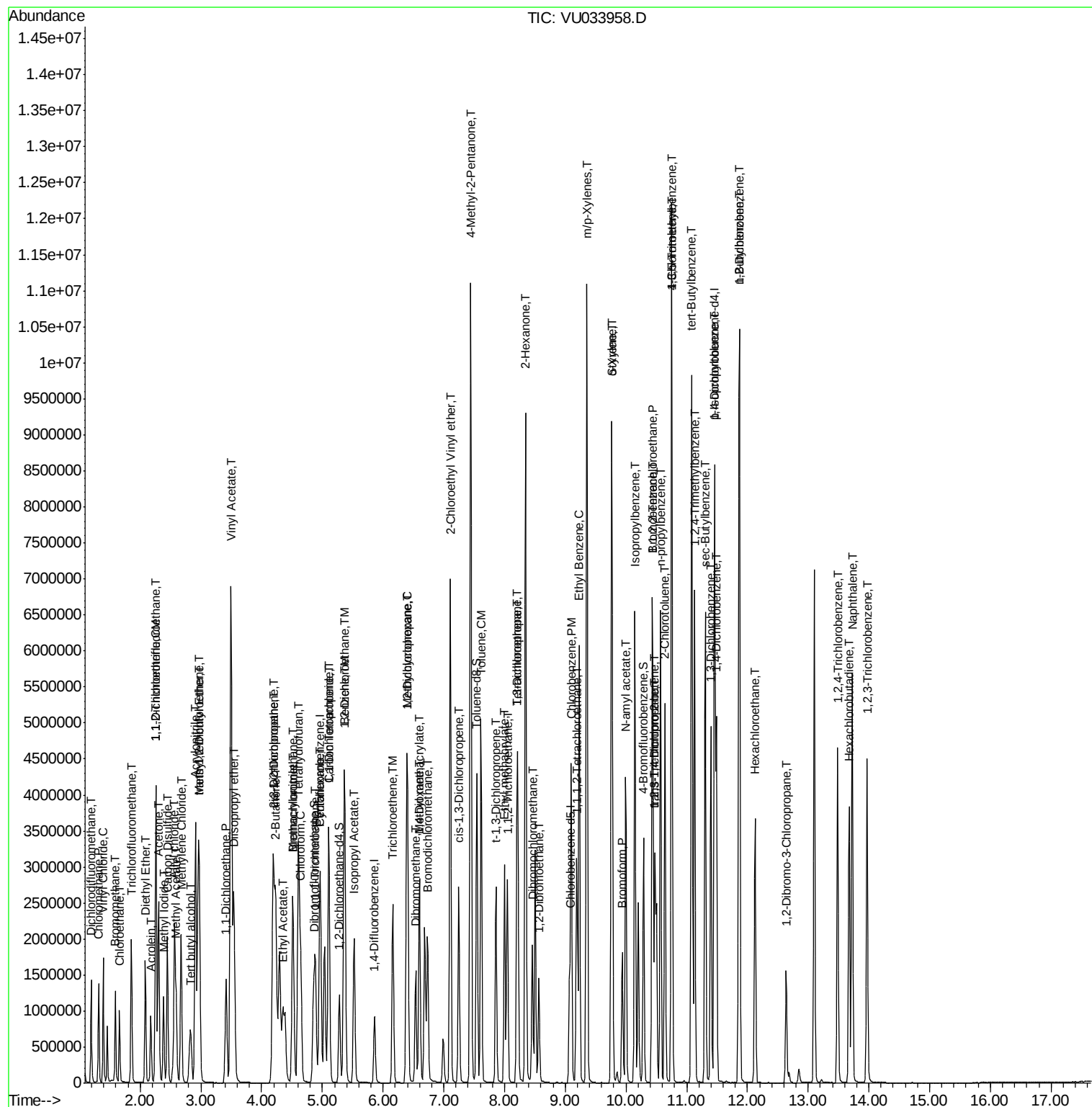
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	1414632	145.251	ug/l	99
94) Hexachlorobutadiene	13.67	225	717148	157.209	ug/l	99
95) Naphthalene	13.73	128	4328765	135.625	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	1372642	140.584	ug/l	99

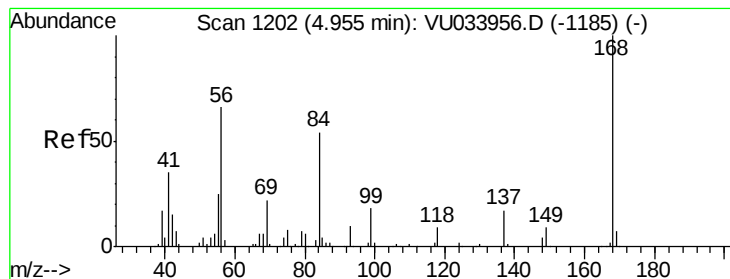
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

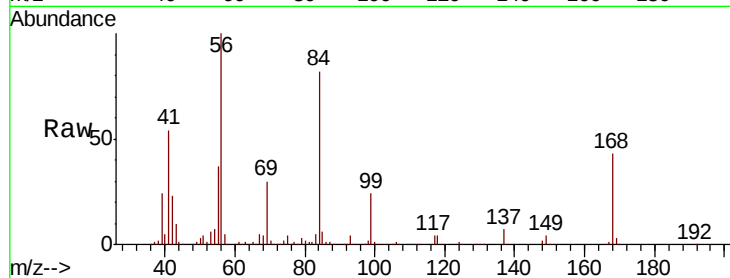
VSTDIC150

Tot Ion:168 Resp: 456616

Ion Ratio Lower Upper

168 100

99 56.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033958.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033958.D (-1185) (-)

4.95

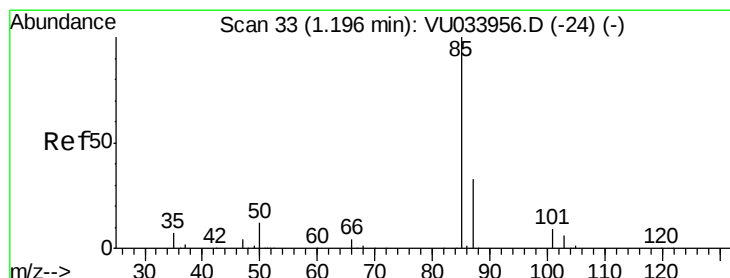
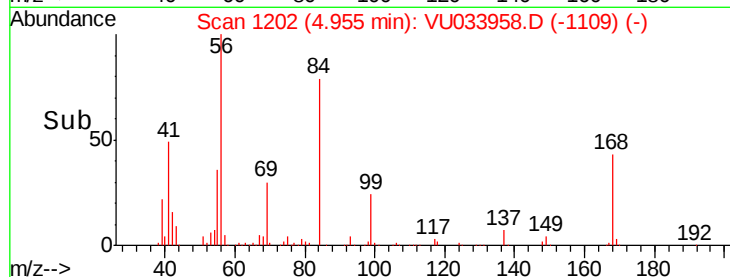
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 138.603 ug/l

RT: 1.19 min Scan# 32

Delta R.T. -0.00 min

Lab File: VU033958.D

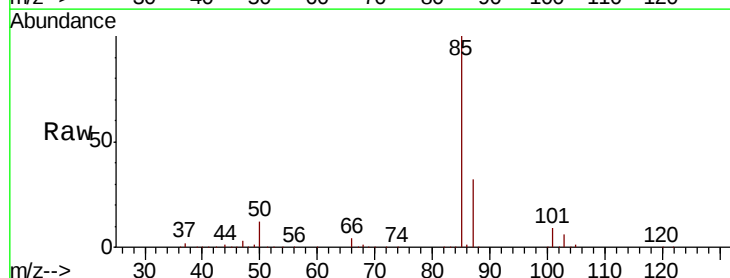
Acq: 26 Aug 2019 18:37

Tgt Ion: 85 Resp: 832666

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033958.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033958.D (-1) (-)

1.19

800000

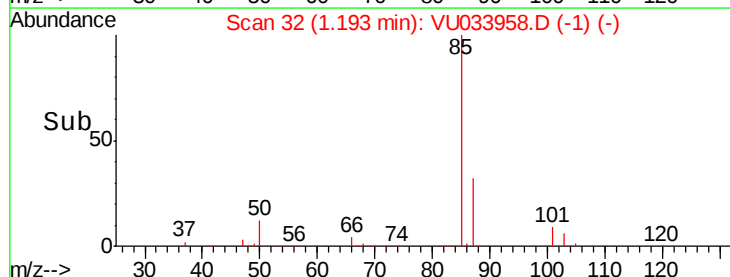
600000

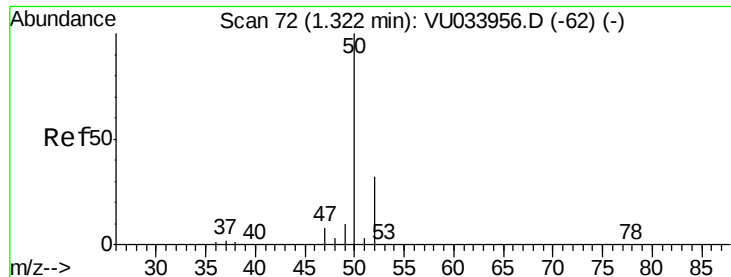
400000

200000

0

Time-->





#3

Chloromethane

Concen: 87.640 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

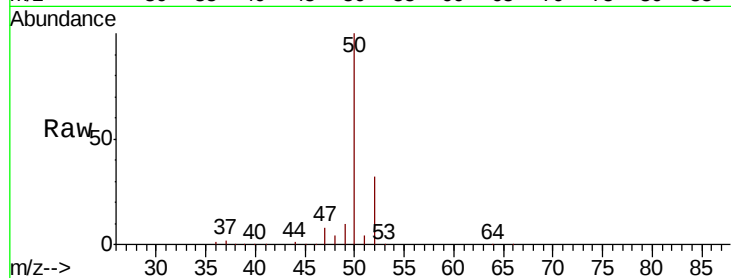
VSTDIC150

Tot Ion: 50 Resp: 924291

Ion Ratio Lower Upper

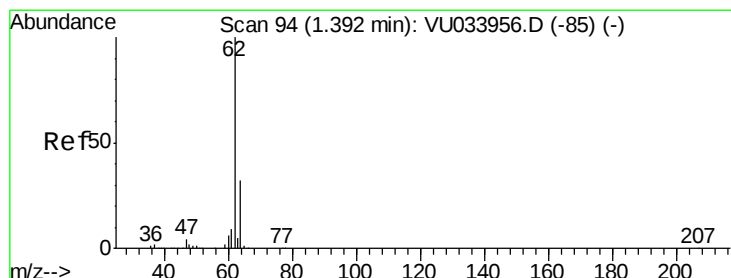
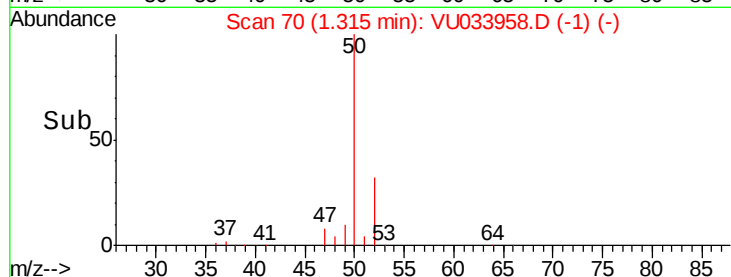
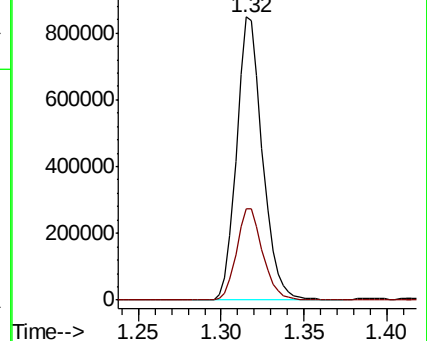
50 100

52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU033958.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033958.D (-1) (-)



#4

Vinyl Chloride

Concen: 132.889 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033958.D

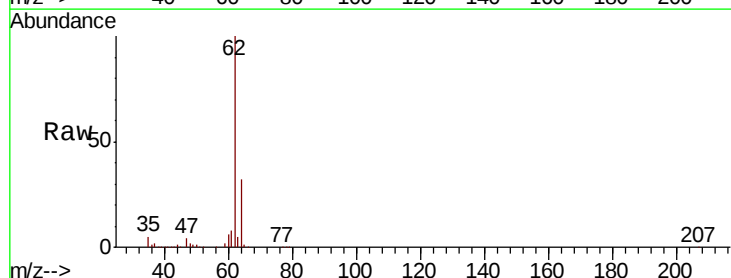
Acq: 26 Aug 2019 18:37

Tgt Ion: 62 Resp: 1057331

Ion Ratio Lower Upper

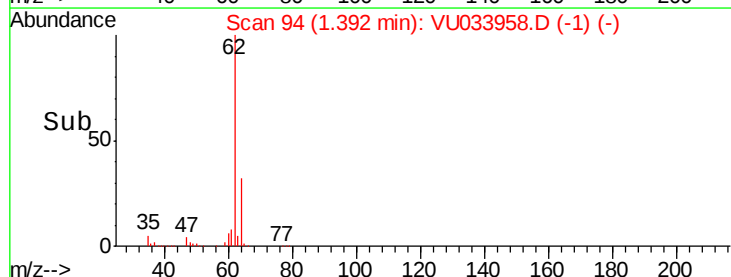
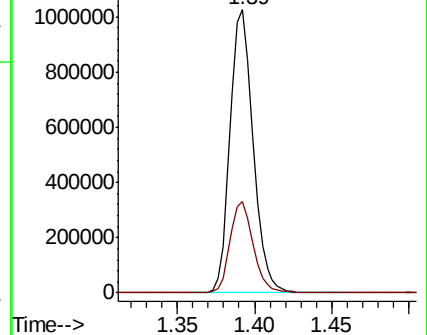
62 100

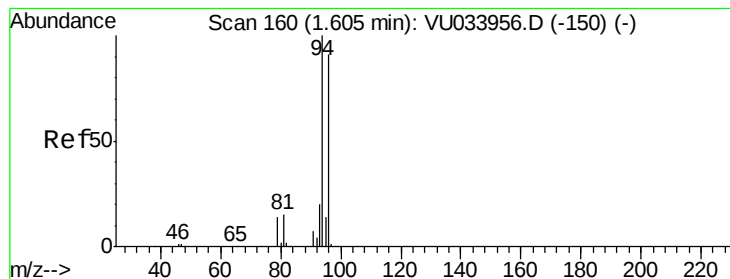
64 32.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033958.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU033958.D (-1) (-)





#5

Bromomethane

Concen: 129.991 ug/l

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

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ClientSampleId :

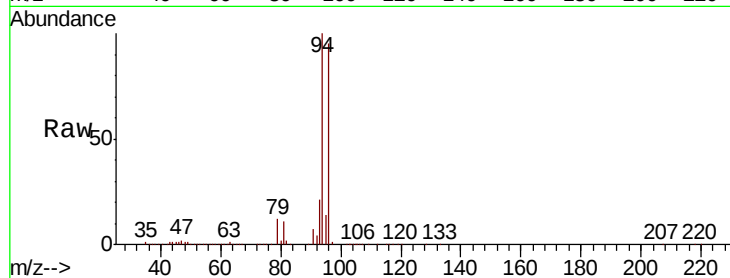
VSTDIC150

Tot Ion: 94 Resp: 433498

Ion Ratio Lower Upper

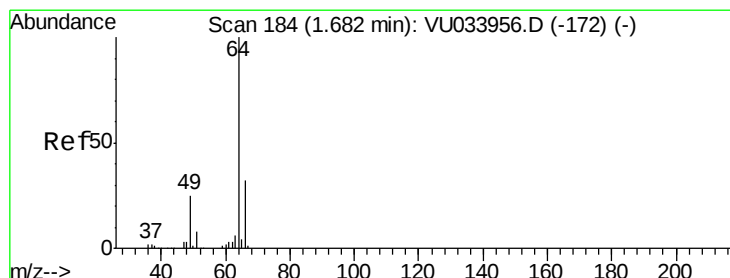
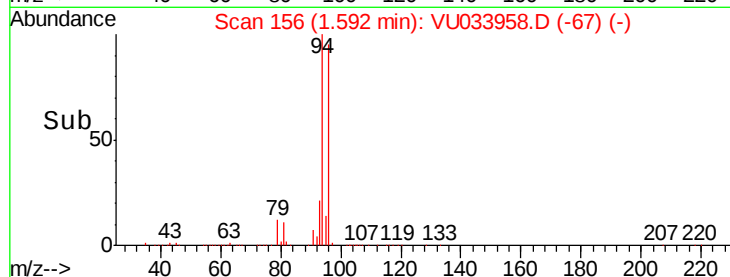
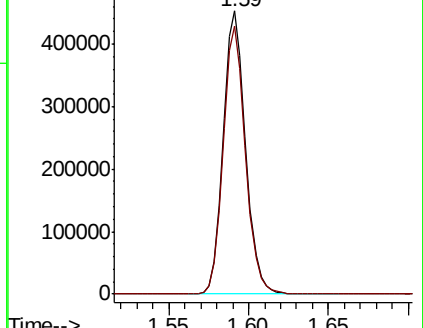
94 100

96 94.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033956.D (-150) (-)



#6

Chloroethane

Concen: 136.402 ug/l

RT: 1.66 min Scan# 177

Delta R.T. -0.02 min

Lab File: VU033958.D

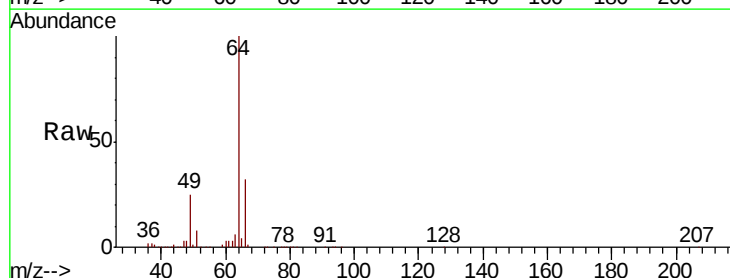
Acq: 26 Aug 2019 18:37

Tgt Ion: 64 Resp: 620012

Ion Ratio Lower Upper

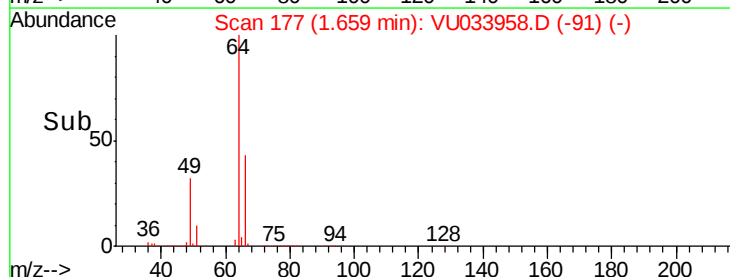
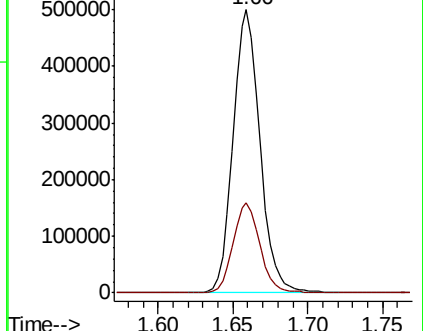
64 100

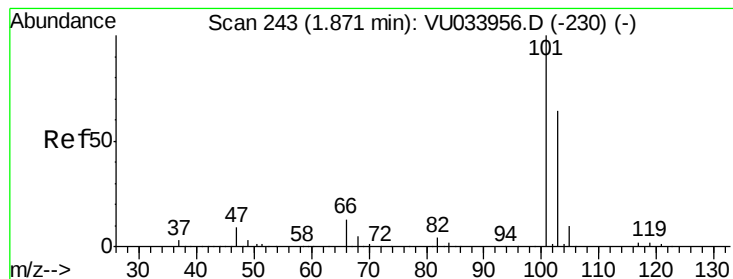
66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033956.D (-172) (-)

Ion 65.90 (65.60 to 66.60): VU033956.D (-172) (-)



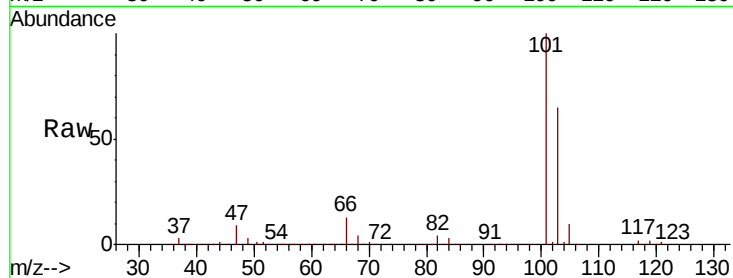


#7

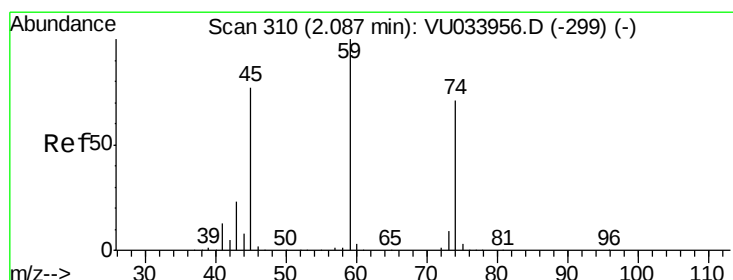
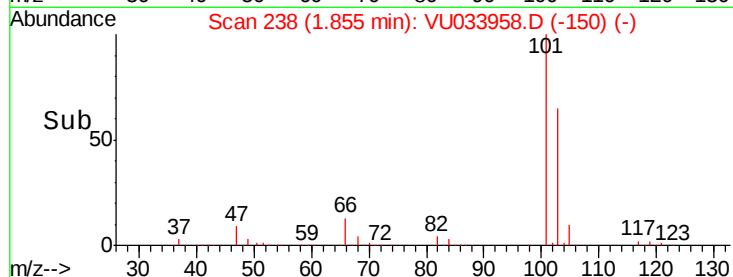
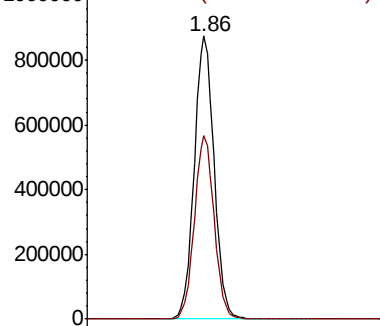
Trichlorofluoromethane
Concen: 141.099 ug/l
RT: 1.86 min Scan# 238
Delta R.T. -0.02 min
Lab File: VU033958.D
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Tot Ion:101 Resp: 1203752
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3



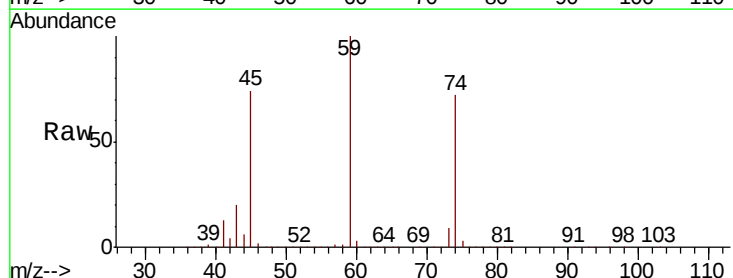
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



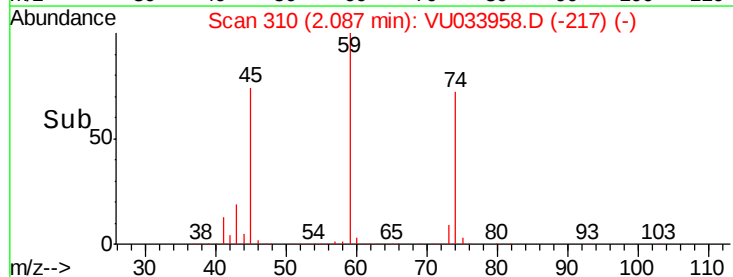
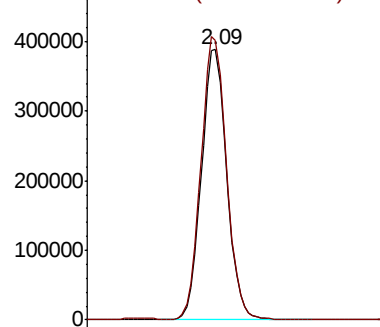
#8

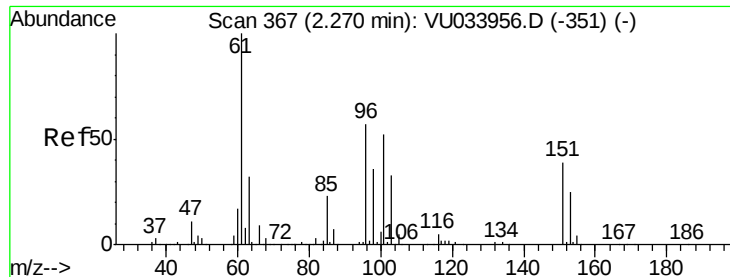
Diethyl Ether
Concen: 134.296 ug/l
RT: 2.09 min Scan# 310
Delta R.T. -0.00 min
Lab File: VU033958.D
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Tgt Ion: 74 Resp: 529344
Ion Ratio Lower Upper
74 100
45 105.2 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.081 ug/l

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

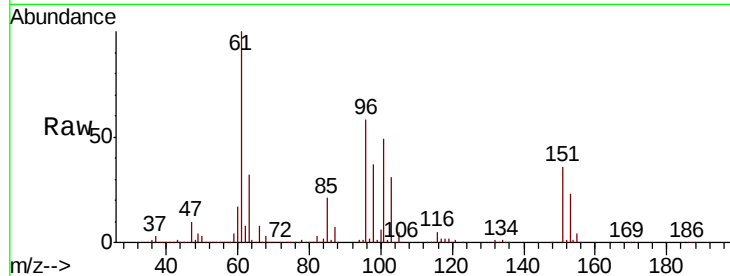
Tot Ion:101 Resp: 706052

Ion Ratio Lower Upper

101 100

85 43.4 35.0 52.6

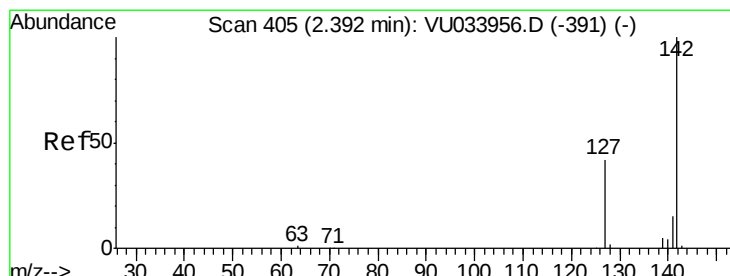
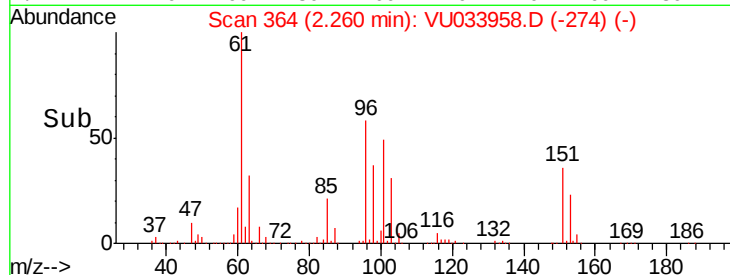
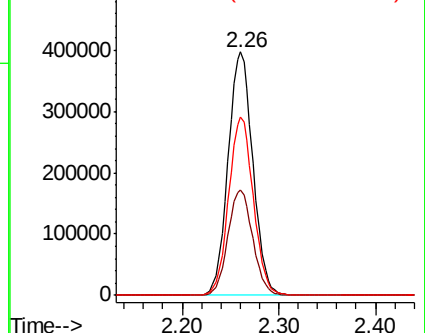
151 72.8 57.9 86.9



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: 243.659 ug/l

RT: 2.39 min Scan# 403

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

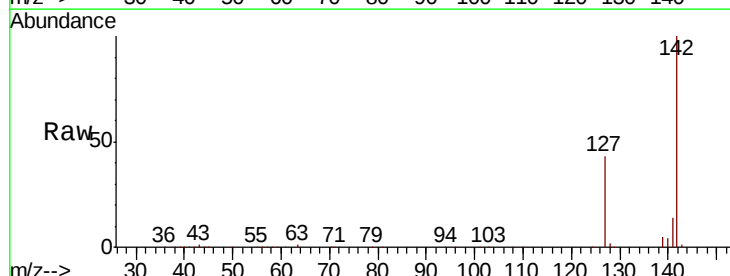
Tgt Ion:142 Resp: 1129361

Ion Ratio Lower Upper

142 100

127 43.2 34.3 51.5

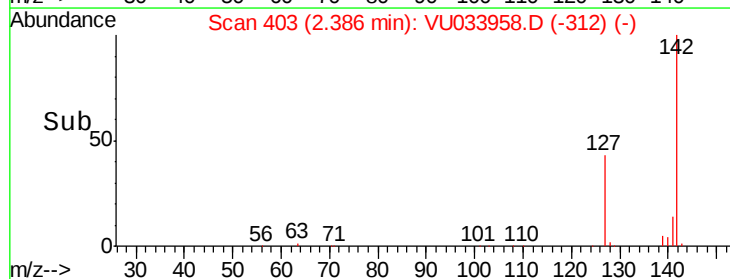
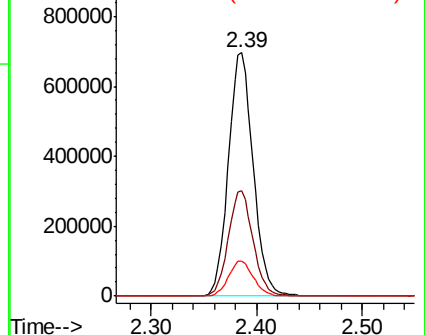
141 14.5 11.8 17.6

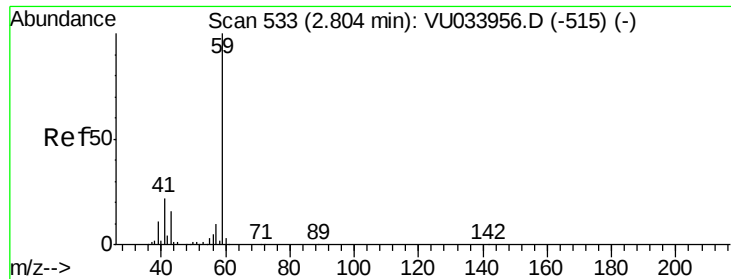


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

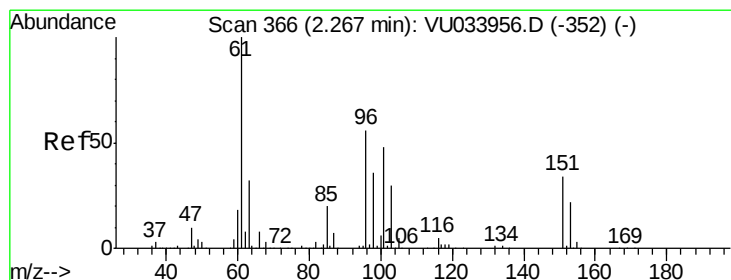
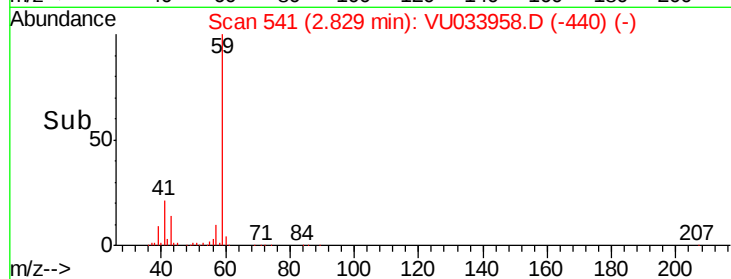
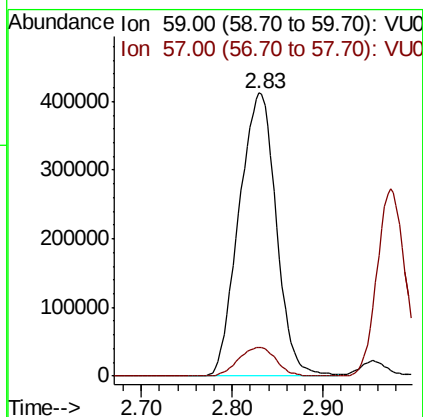
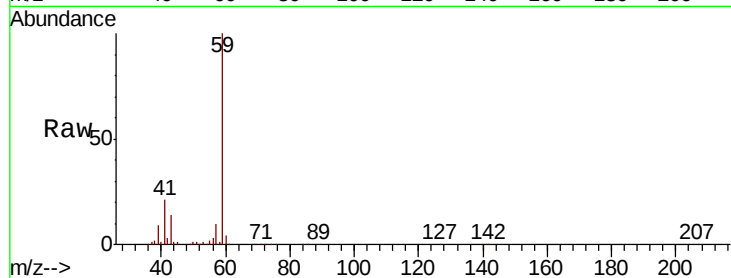




#11
Tert butyl alcohol
Concen: 771.209 ug/l
RT: 2.83 min Scan# 541
Delta R.T. 0.03 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

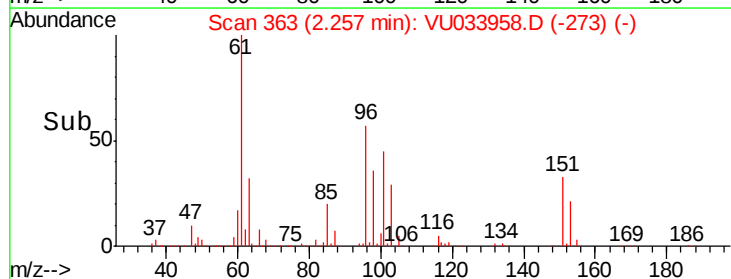
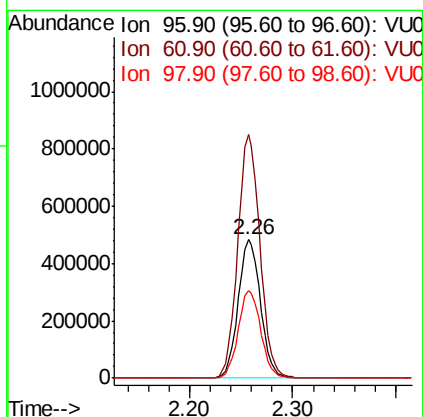
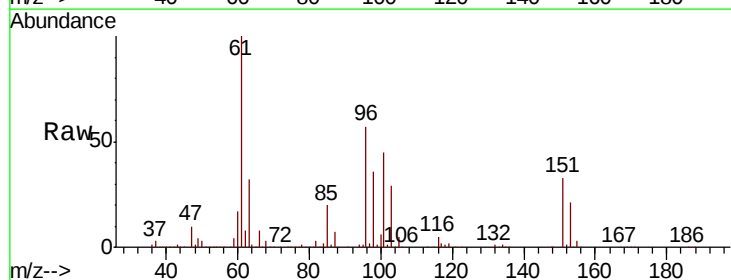
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

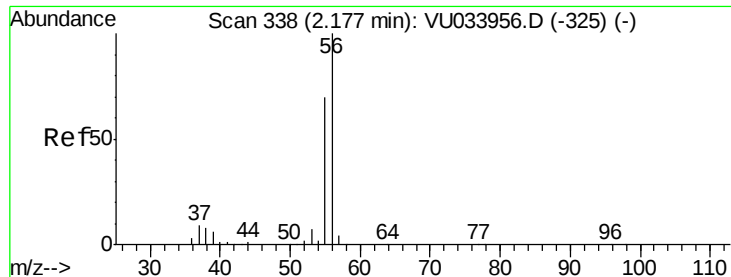
Tot Ion: 59 Resp: 1171978
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12
1,1-Dichloroethene
Concen: 143.840 ug/l
RT: 2.26 min Scan# 363
Delta R.T. -0.01 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 96 Resp: 727707
Ion Ratio Lower Upper
96 100
61 176.2 142.3 213.5
98 63.5 51.0 76.6





#13

Acrolein

Concen: 548.858 ug/l

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

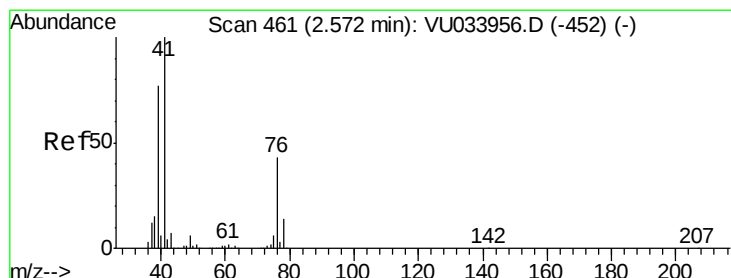
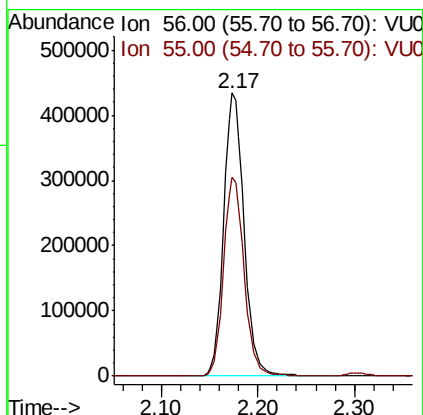
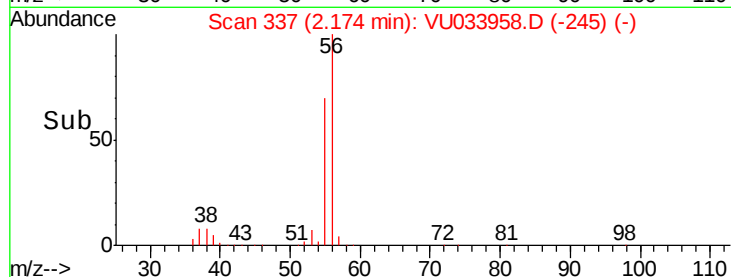
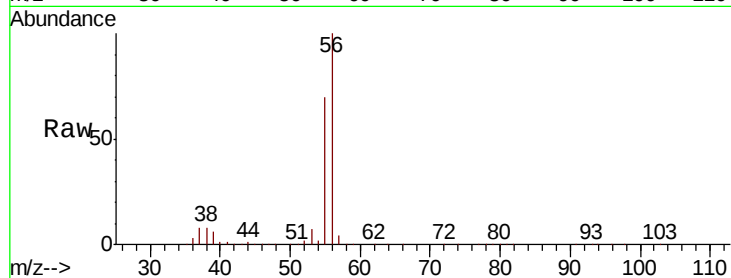
VSTDIC150

Tot Ion: 56 Resp: 633308

Ion Ratio Lower Upper

56 100

55 70.6 56.3 84.5



#14

Allyl chloride

Concen: 128.359 ug/l

RT: 2.57 min Scan# 459

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

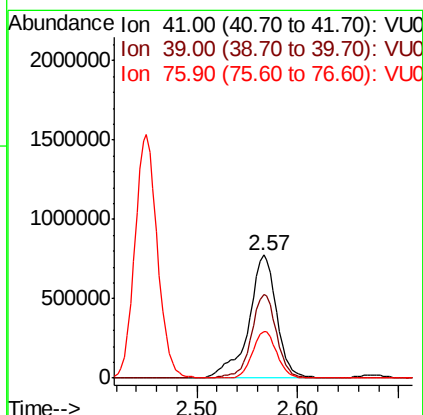
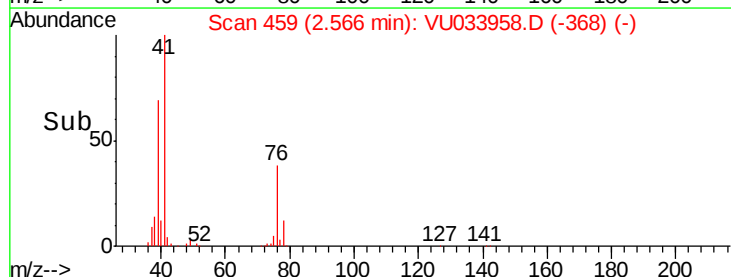
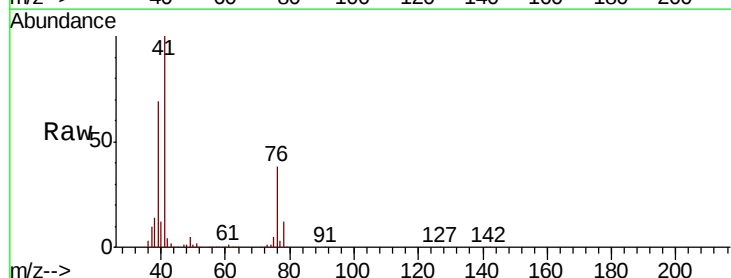
Tgt Ion: 41 Resp: 1479353

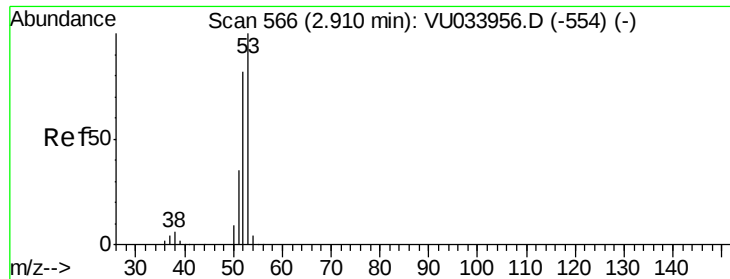
Ion Ratio Lower Upper

41 100

39 61.1 56.4 84.6

76 32.7 29.2 43.8





#15

Acrylonitrile

Concen: 673.700 ug/l

RT: 2.91 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

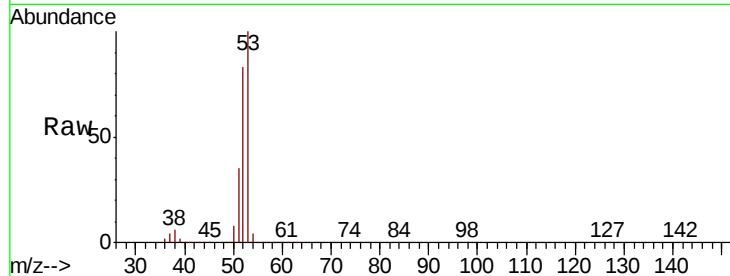
Tot Ion: 53 Resp: 2832138

Ion Ratio Lower Upper

53 100

52 82.4 65.2 97.8

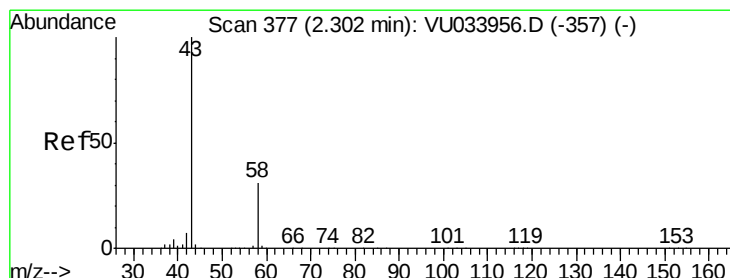
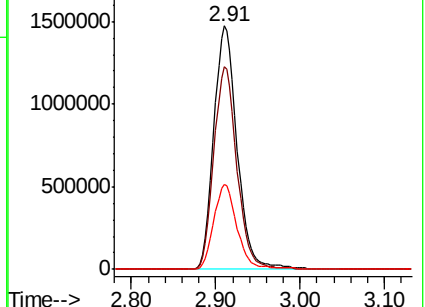
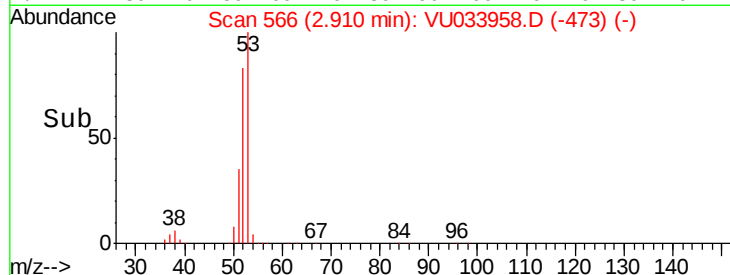
51 35.1 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VU033958.D (-284) (-)

Ion 52.00 (51.70 to 52.70): VU033958.D (-284) (-)

Ion 51.00 (50.70 to 51.70): VU033958.D (-284) (-)



#16

Acetone

Concen: 573.811 ug/l

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033958.D

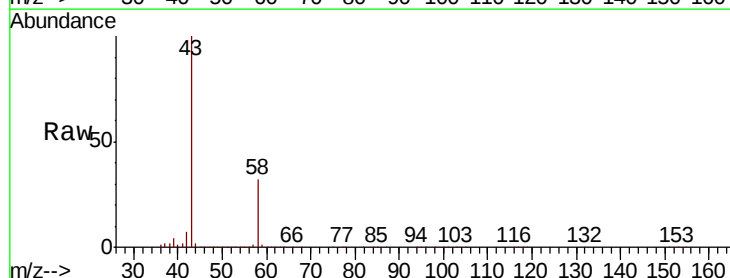
Acq: 26 Aug 2019 18:37

Tgt Ion: 43 Resp: 2546827

Ion Ratio Lower Upper

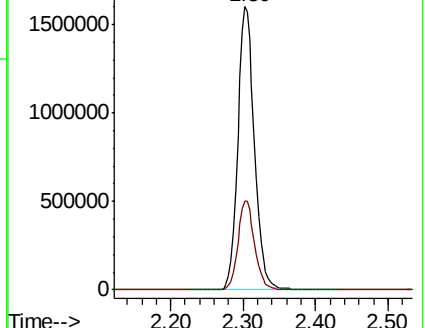
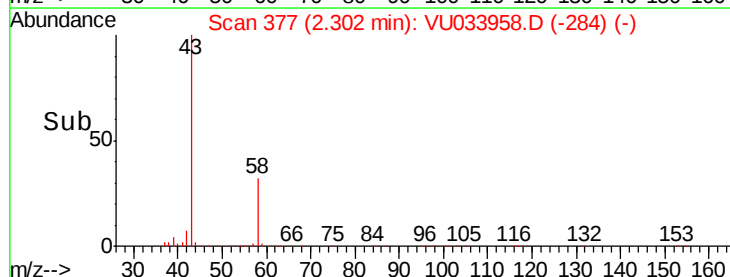
43 100

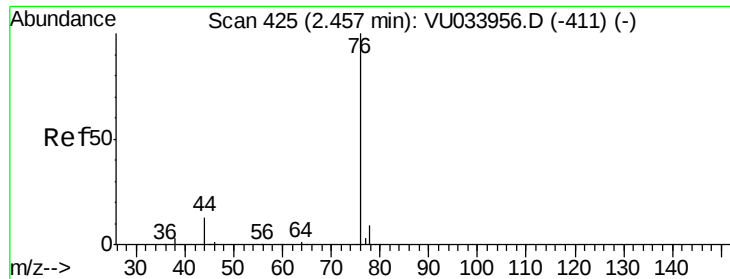
58 31.5 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VU033958.D (-284) (-)

Ion 58.00 (57.70 to 58.70): VU033958.D (-284) (-)

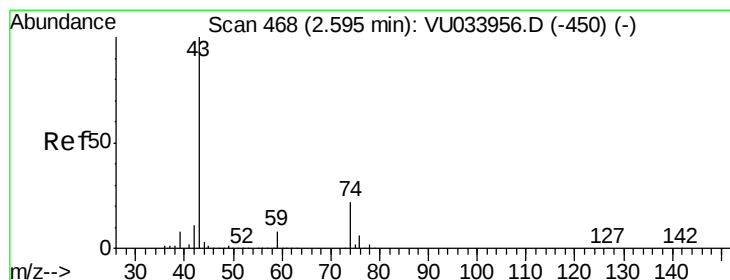
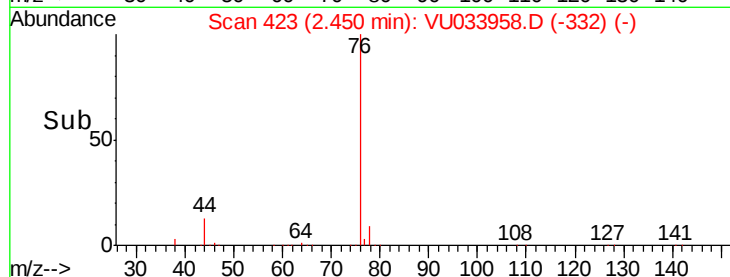
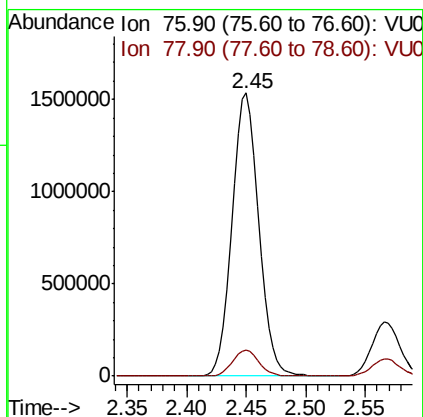
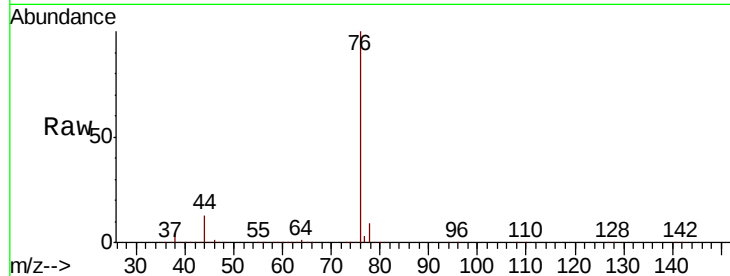




#17
Carbon Disulfide
Concen: 132.355 ug/l
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

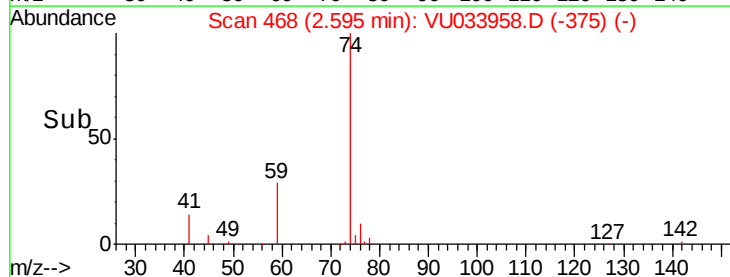
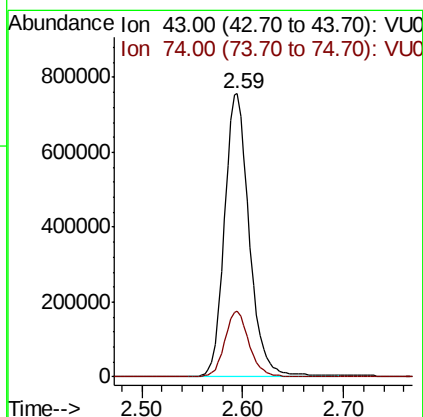
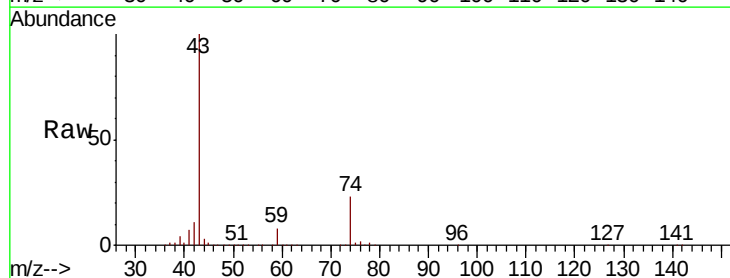
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

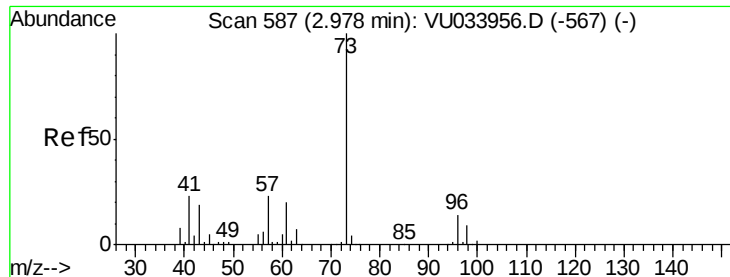
Tot Ion: 76 Resp: 2390489
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 115.259 ug/l
RT: 2.59 min Scan# 468
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 43 Resp: 1293485
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.2



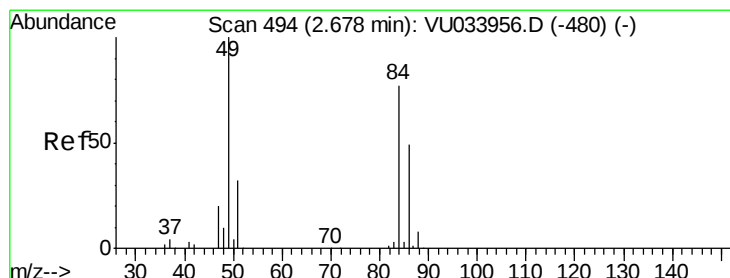
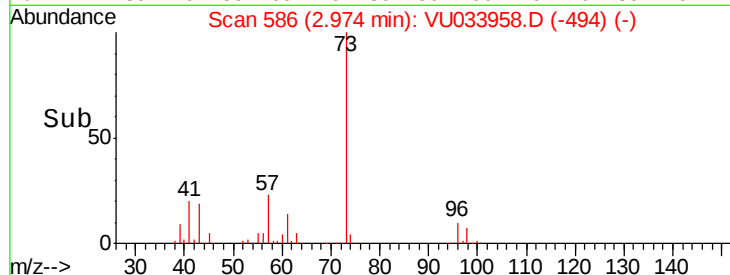
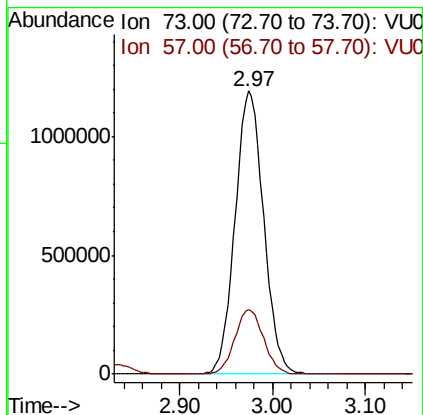
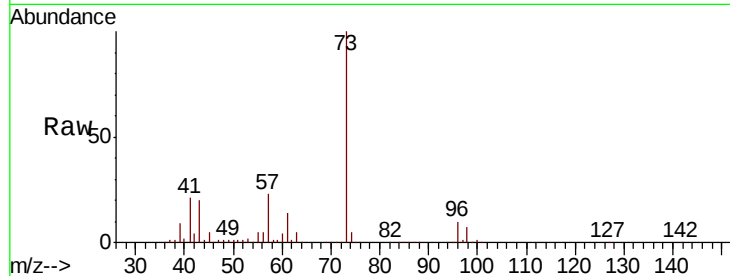


#19

Methyl tert-butyl Ether
 Concen: 134.975 ug/l
 RT: 2.97 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

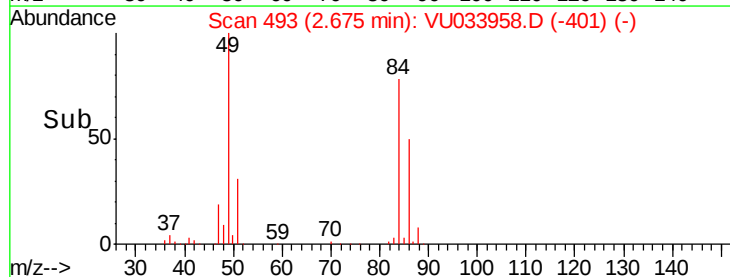
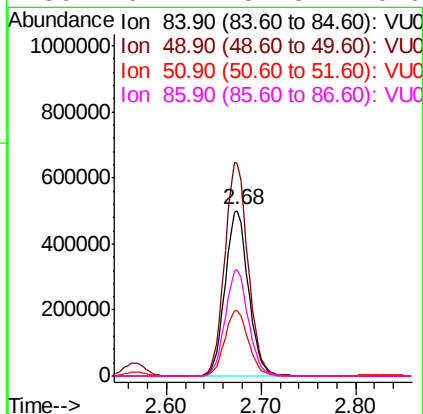
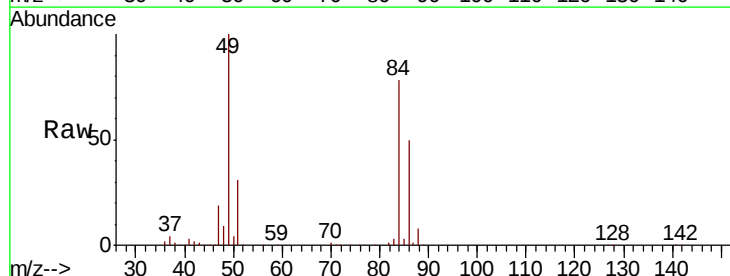
Tot Ion: 73 Resp: 2546307
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.3 27.5

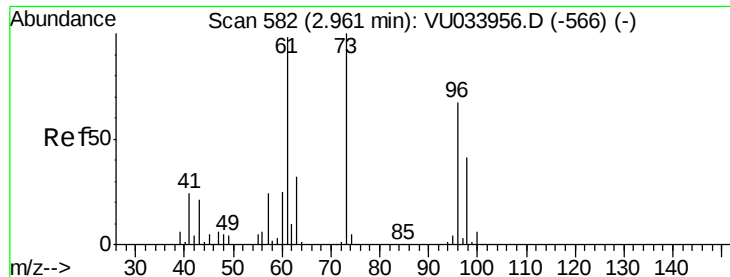


#20

Methylene Chloride
 Concen: 128.696 ug/l
 RT: 2.68 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 84 Resp: 856429
 Ion Ratio Lower Upper
 84 100
 49 128.7 104.1 156.1
 51 39.6 33.0 49.6
 86 64.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 140.956 ug/l

RT: 2.95 min Scan# 580

Delta R.T. -0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

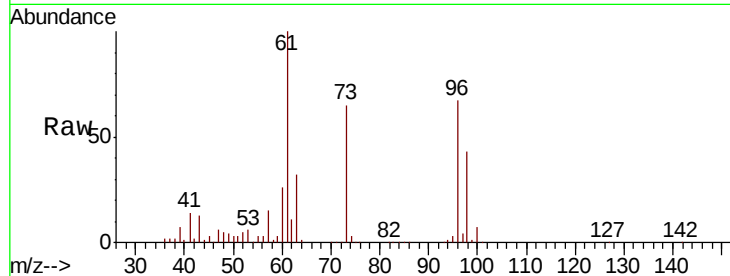
Tot Ion: 96 Resp: 803752

Ion Ratio Lower Upper

96 100

61 148.8 117.8 176.8

98 63.9 49.8 74.8

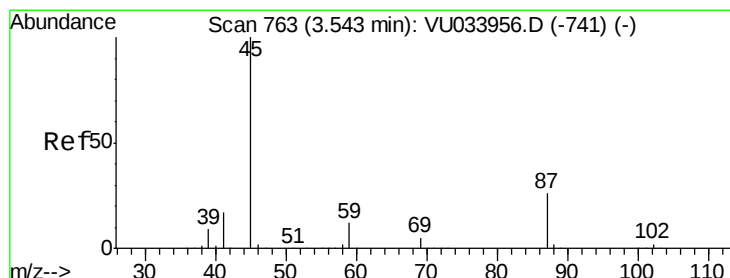
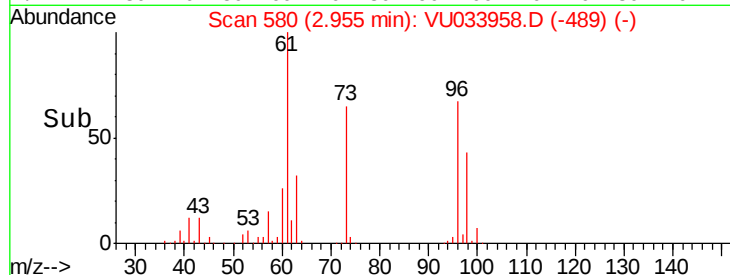
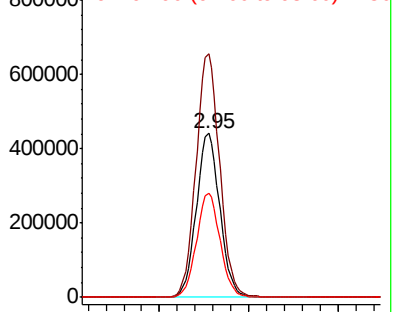


Abundance

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: 122.287 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Tgt Ion: 45 Resp: 2751540

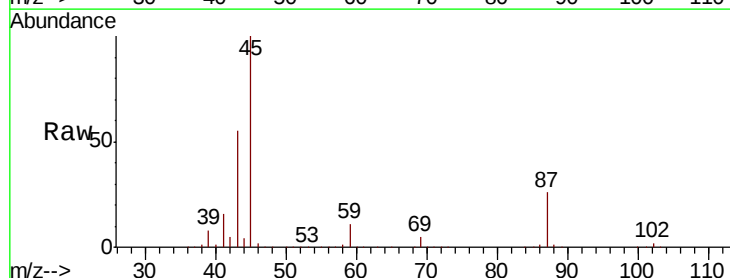
Ion Ratio Lower Upper

45 100

43 54.7 50.6 76.0

87 25.5 21.2 31.8

59 11.4 9.6 14.4



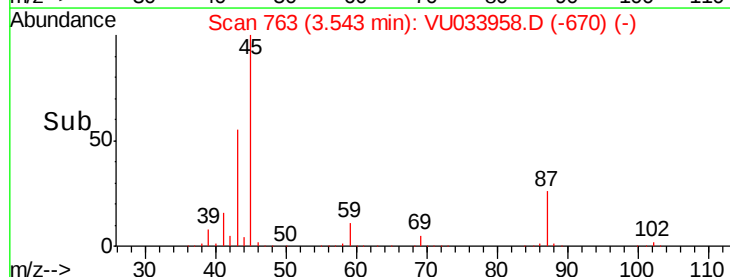
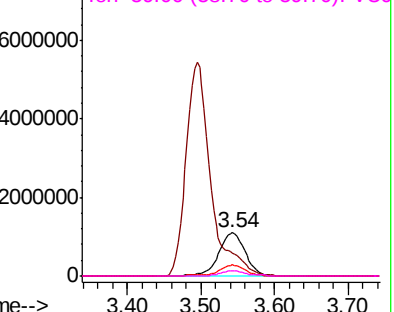
Abundance

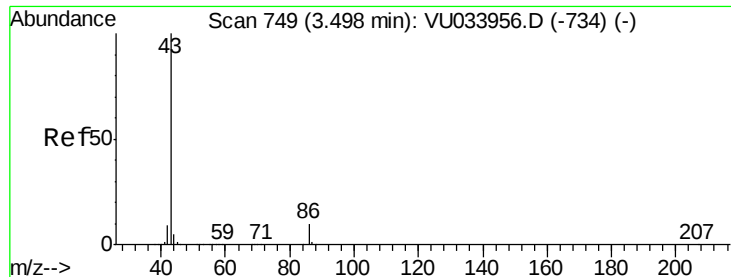
Ion 45.00 (44.70 to 45.70): VU0

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: 677.643 ug/l

RT: 3.50 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

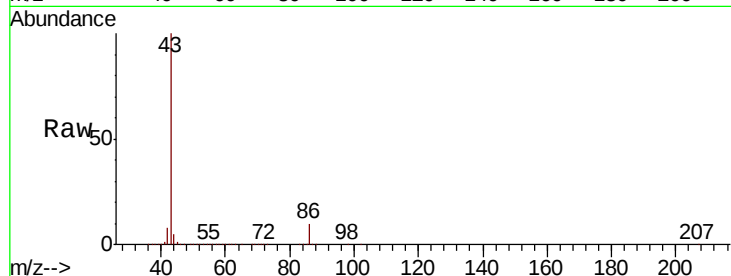
VSTDIC150

Tot Ion: 43 Resp:12682360

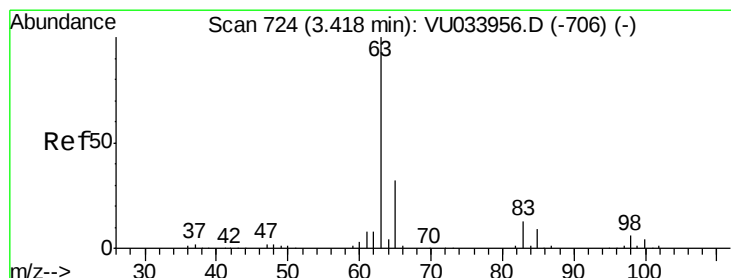
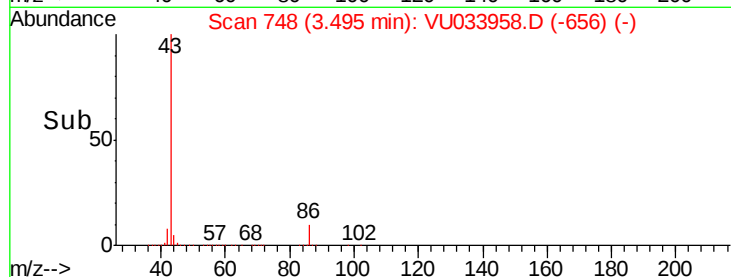
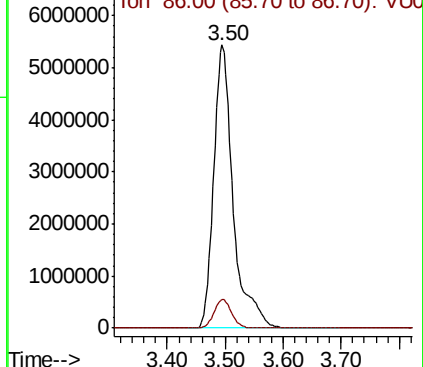
Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VU033958.D (-656) (-)



#24

1,1-Dichloroethane

Concen: 131.391 ug/l

RT: 3.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

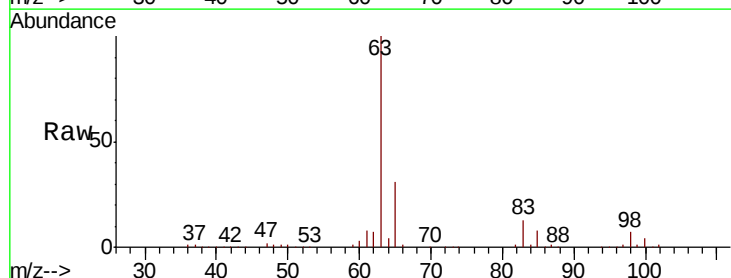
Tgt Ion: 63 Resp: 1574961

Ion Ratio Lower Upper

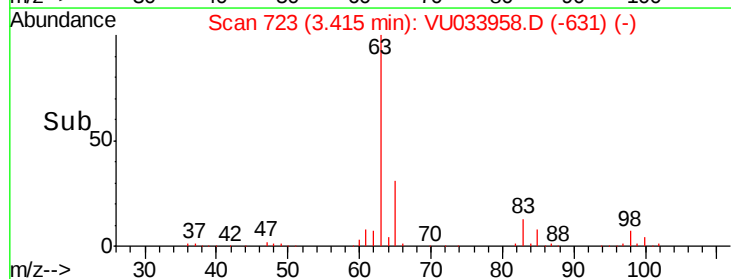
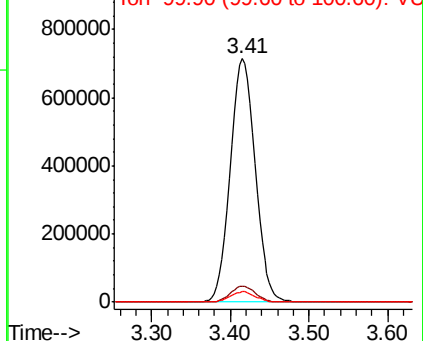
63 100

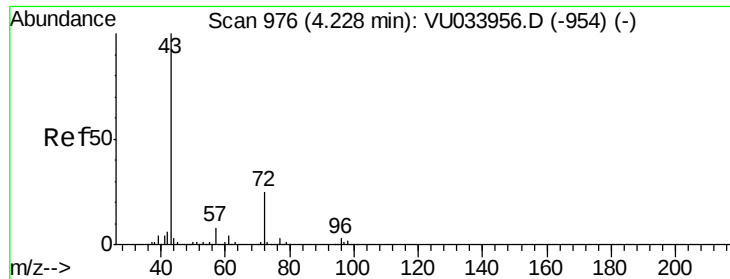
98 6.6 3.2 9.6

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU033958.D (-631) (-)





#25

2-Butanone

Concen: 665.486 ug/l

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

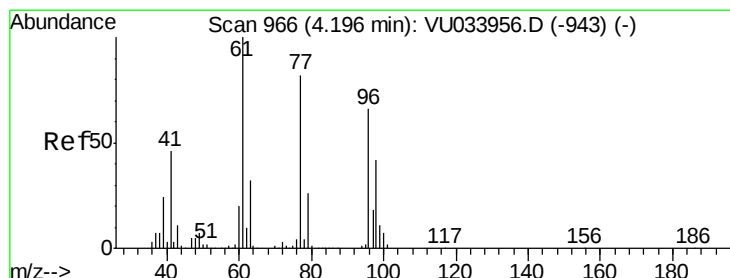
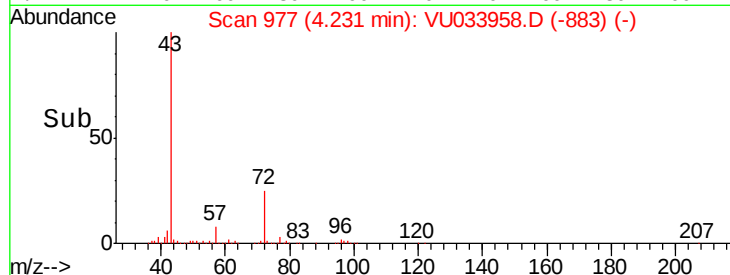
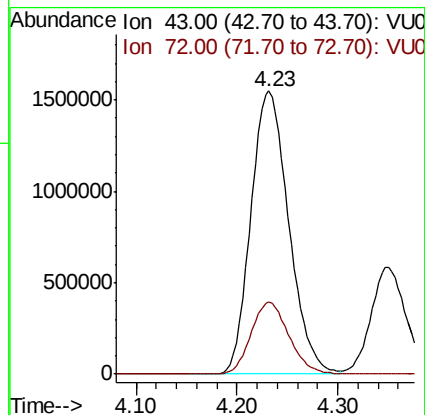
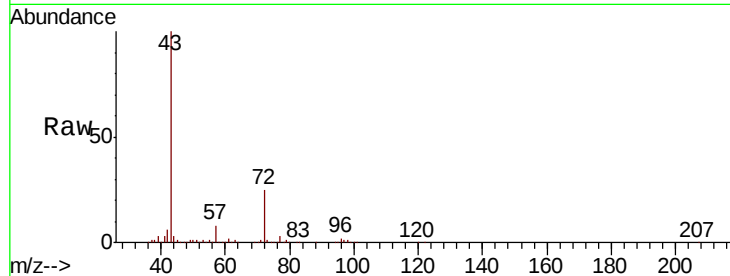
VSTDIC150

Tot Ion: 43 Resp: 4013758

Ion Ratio Lower Upper

43 100

72 25.5 20.3 30.5



#26

2,2-Dichloropropane

Concen: 133.774 ug/l

RT: 4.19 min Scan# 965

Delta R.T. -0.00 min

Lab File: VU033958.D

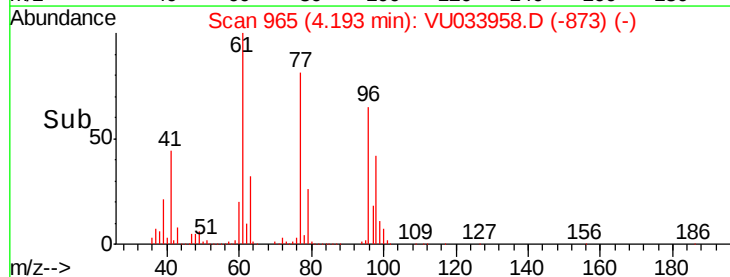
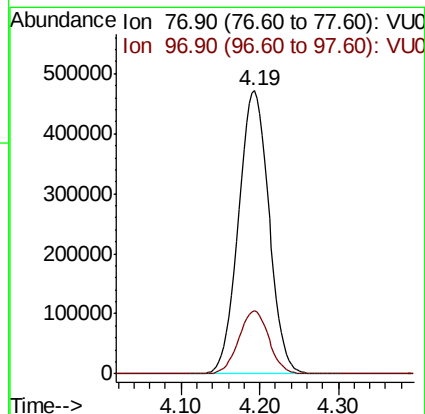
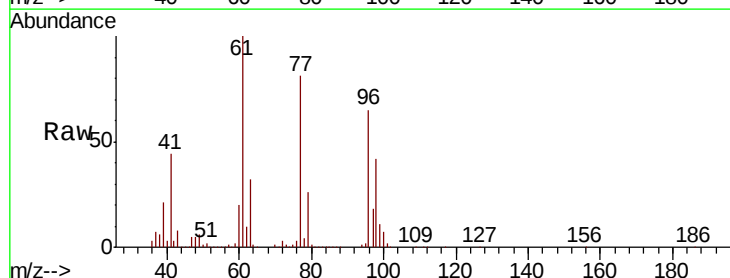
Acq: 26 Aug 2019 18:37

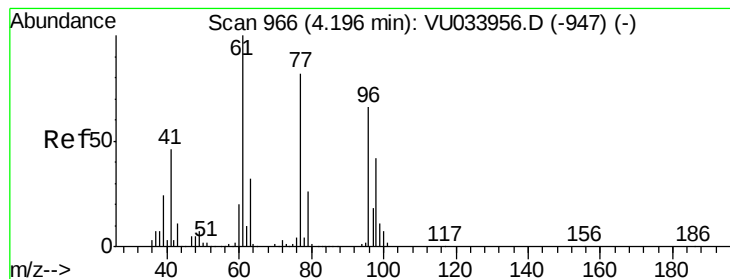
Tgt Ion: 77 Resp: 1276725

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3



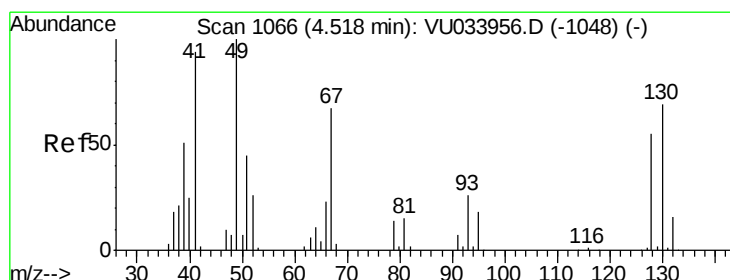
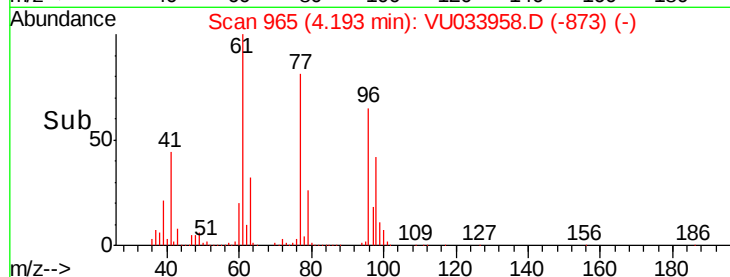
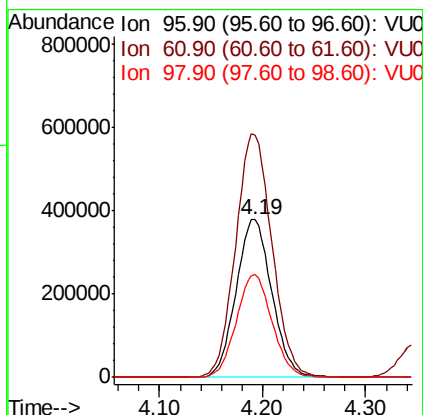
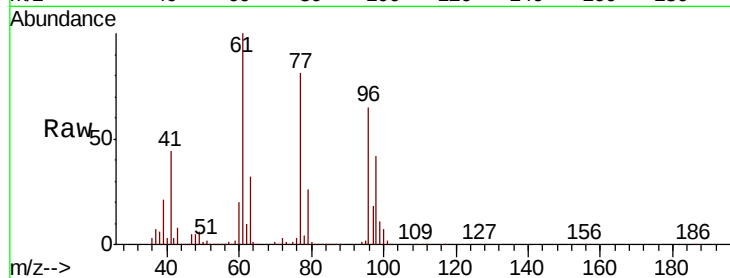


#27

cis-1,2-Dichloroethene
 Concen: 142.269 ug/l
 RT: 4.19 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

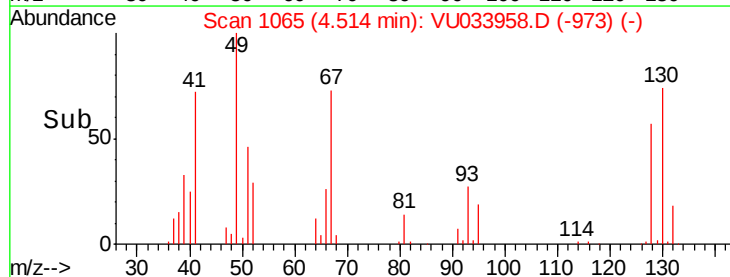
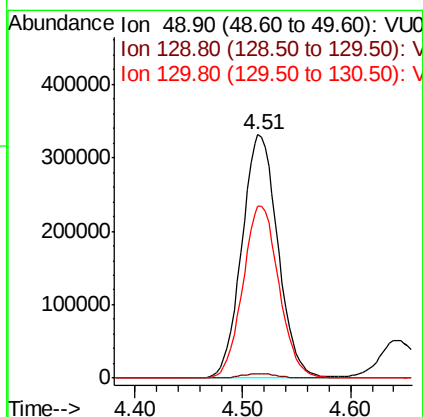
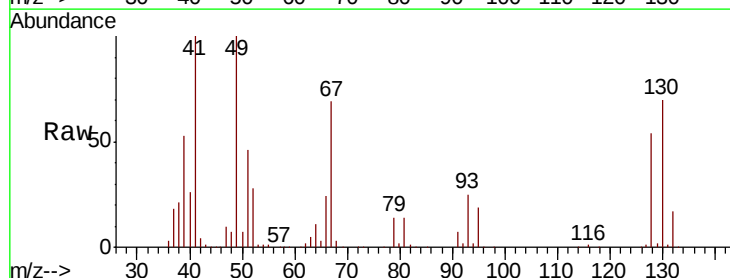
Tot Ion	96	Resp	911034
Ion Ratio	Lower	Upper	
96	100		
61	157.2	0.0	312.2
98	65.4	0.0	129.4

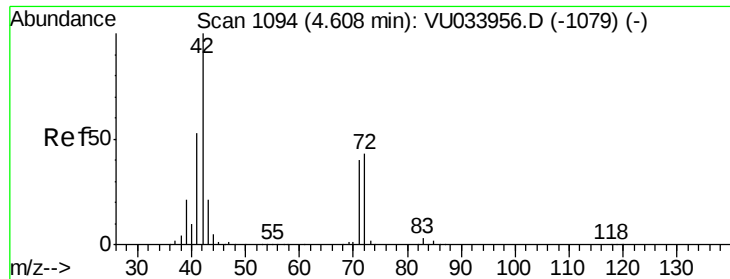


#28

Bromochloromethane
 Concen: 141.532 ug/l
 RT: 4.51 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion	49	Resp	768592
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.6
130	71.0	56.2	84.4





#29

Tetrahydrofuran

Concen: 649.778 ug/l

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

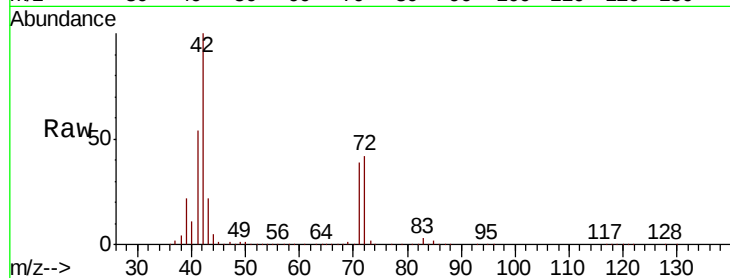
MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 2505584

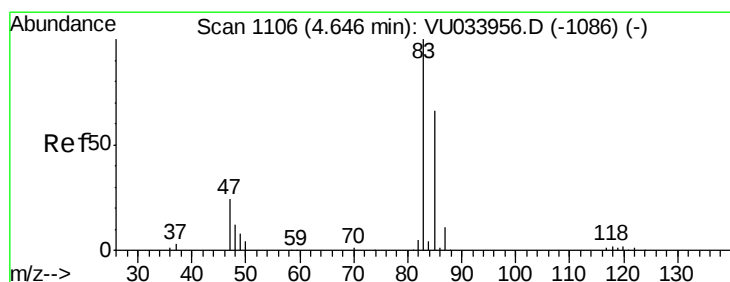
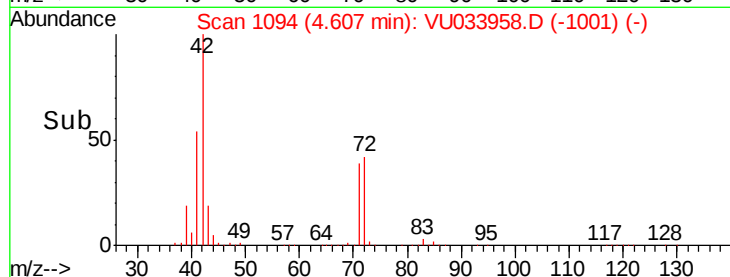
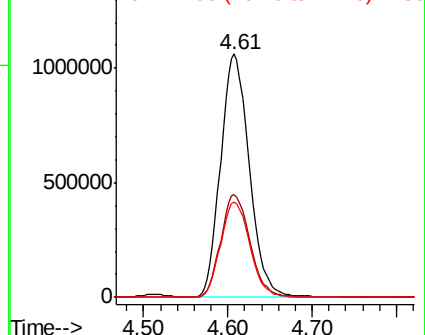
Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.1	32.1	48.1



Abundance Ion 42.00 (41.70 to 42.70): VU033956.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU033956.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU033956.D (-1079) (-)



#30

Chloroform

Concen: 137.152 ug/l

RT: 4.64 min Scan# 1105

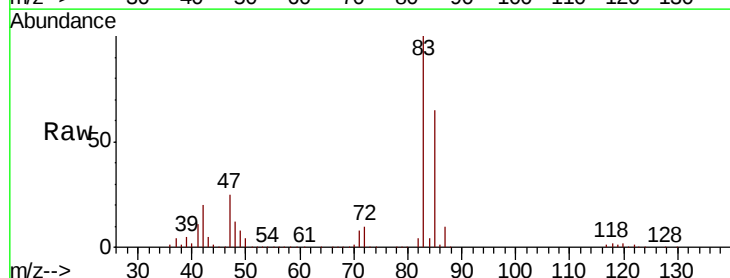
Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

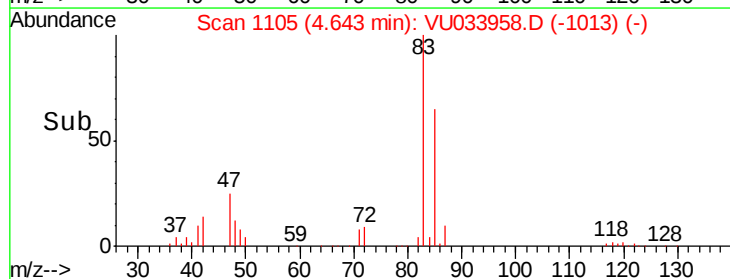
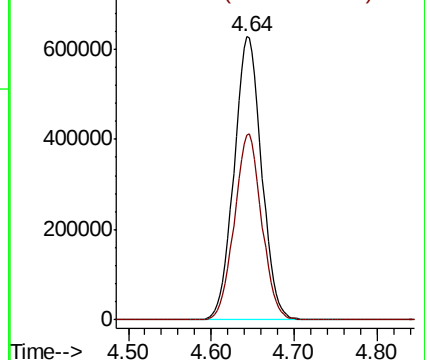
Tgt Ion: 83 Resp: 1449342

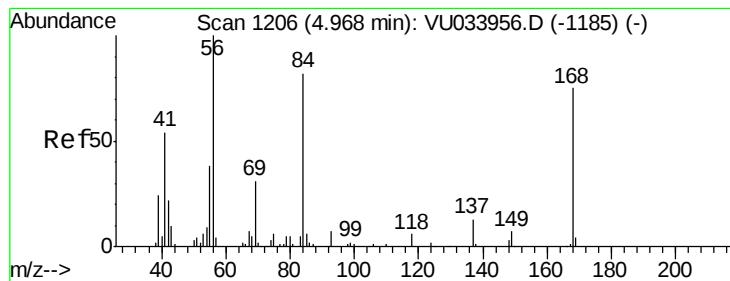
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6



Abundance Ion 82.90 (82.60 to 83.60): VU033956.D (-1086) (-)

Ion 84.90 (84.60 to 85.60): VU033956.D (-1086) (-)





#31

Cyclohexane

Concen: 101.690 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

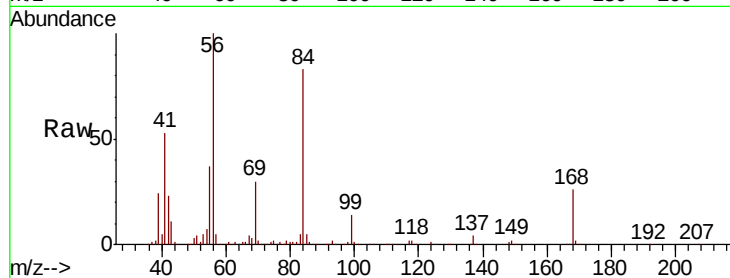
Tot Ion: 56 Resp: 1419189

Ion Ratio Lower Upper

56 100

69 30.3 24.6 37.0

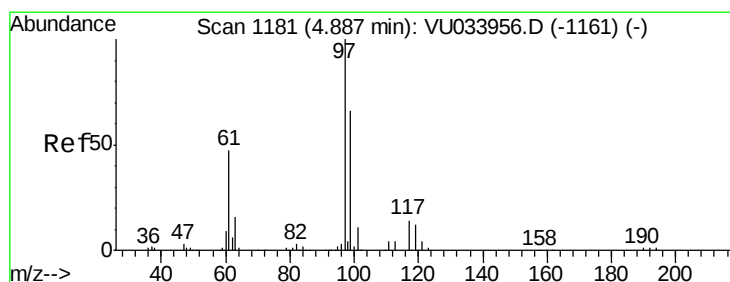
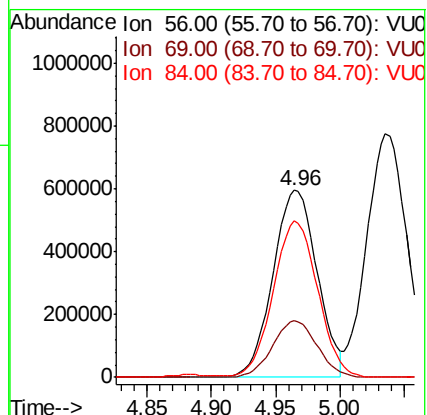
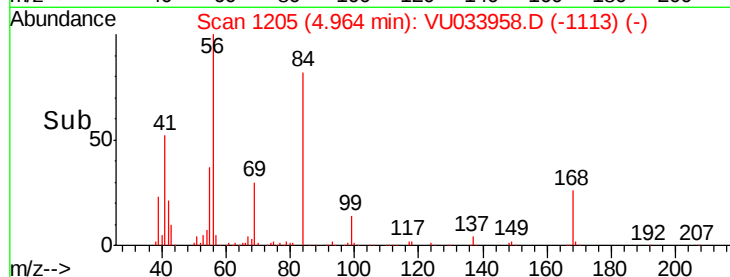
84 82.0 65.4 98.0



Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-1185) (-)

Ion 69.00 (68.70 to 69.70): VU033956.D (-1185) (-)

Ion 84.00 (83.70 to 84.70): VU033956.D (-1185) (-)



#32

1,1,1-Trichloroethane

Concen: 143.287 ug/l

RT: 4.88 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

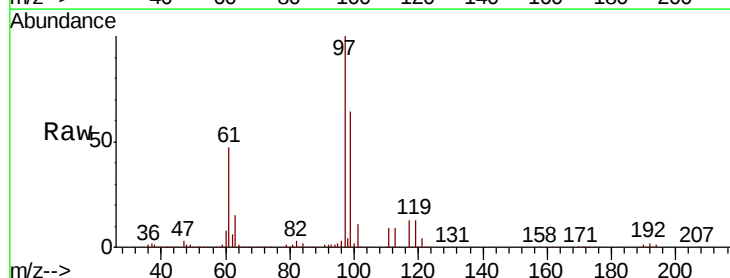
Tgt Ion: 97 Resp: 1259772

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

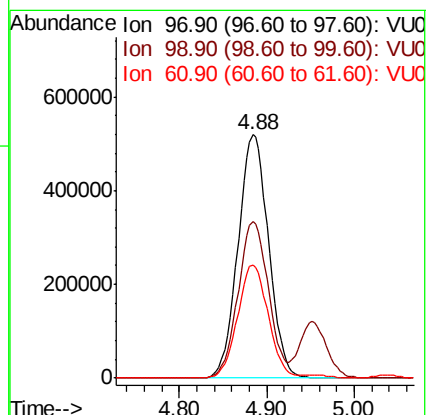
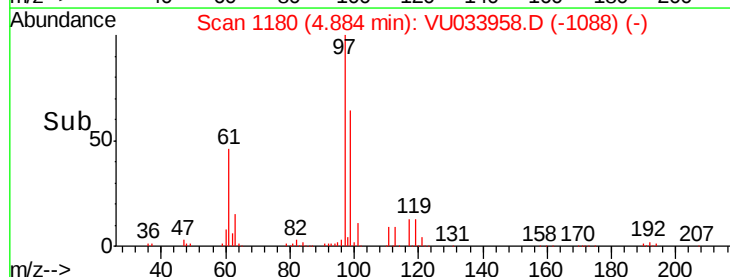
61 46.7 38.4 57.6

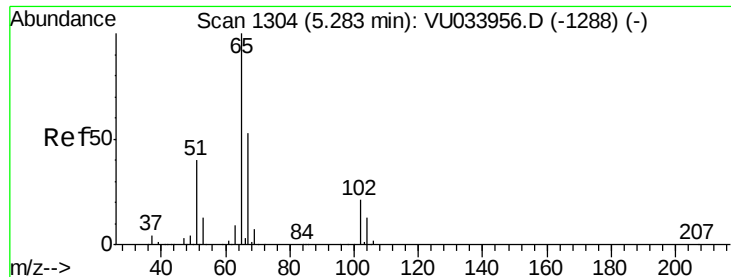


Abundance Ion 96.90 (96.60 to 97.60): VU033956.D (-1161) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1161) (-)

Ion 60.90 (60.60 to 61.60): VU033956.D (-1161) (-)

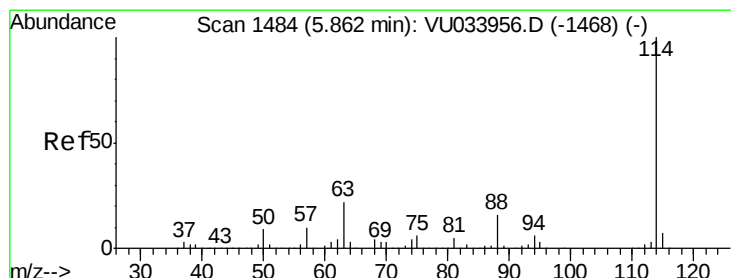
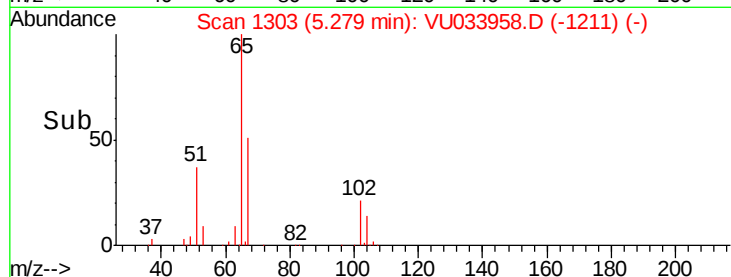
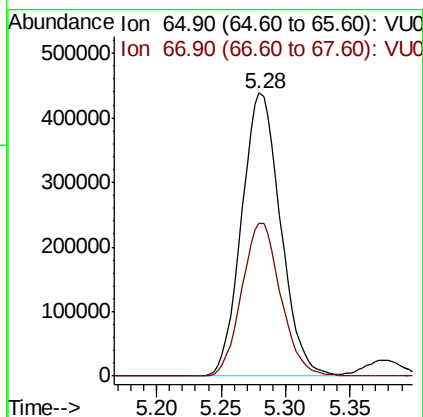
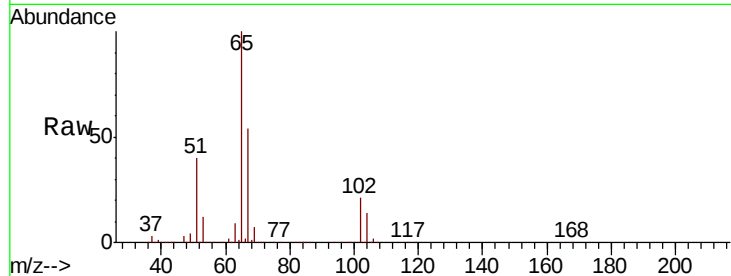




#33
 1,2-Dichloroethane-d4
 Concen: 135.427 ug/l
 RT: 5.28 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

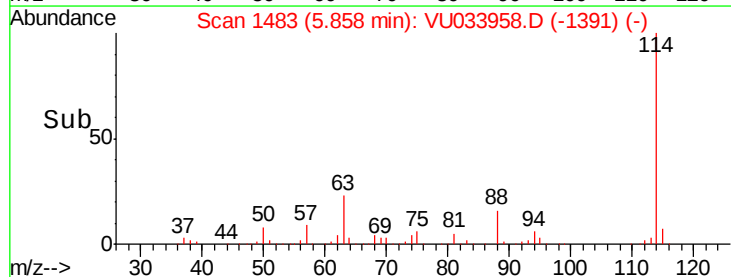
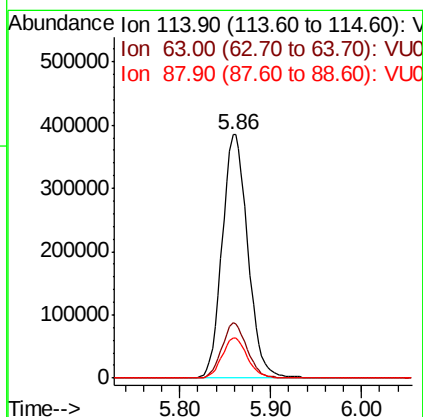
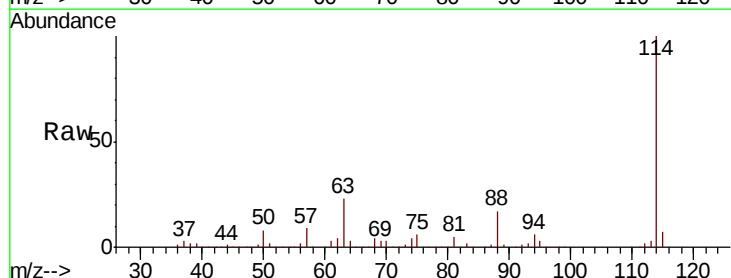
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

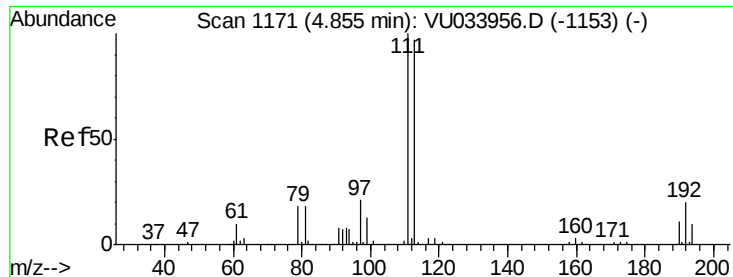
Tot Ion: 65 Resp: 923348
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 114 Resp: 755050
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 16.5 0.0 32.0

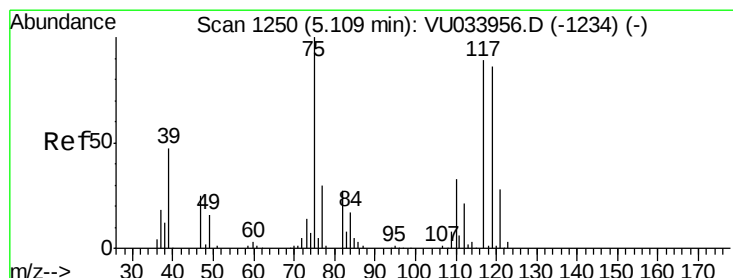
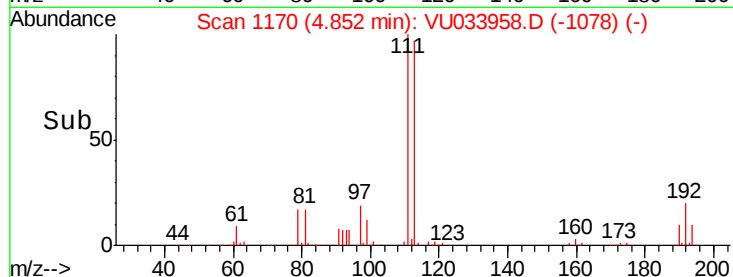
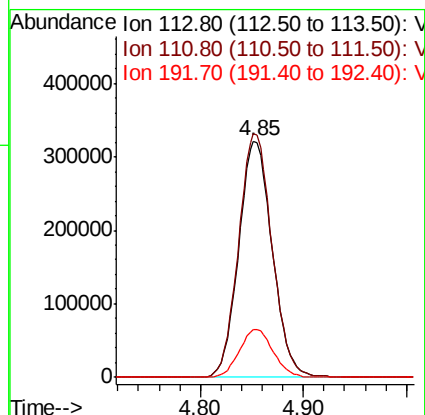
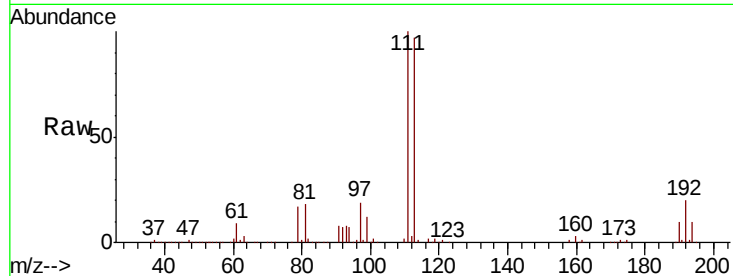




#35
 Dibromofluoromethane
 Concen: 152.563 ug/l
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

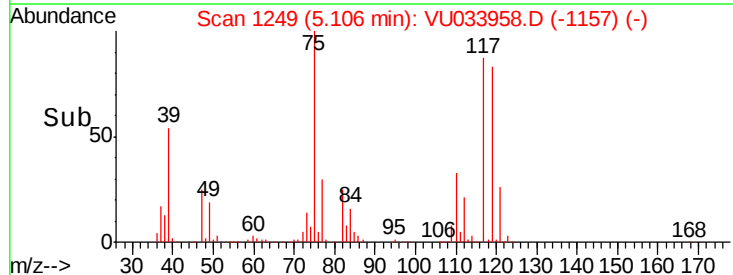
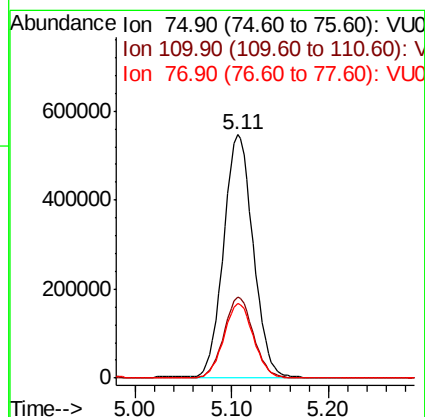
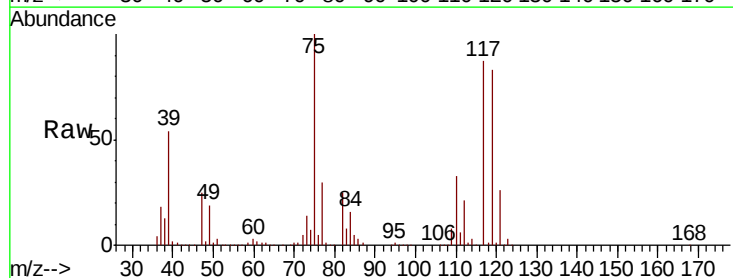
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

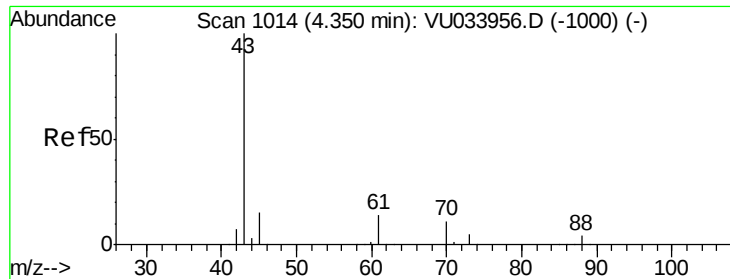
Tot Ion:113 Resp: 727650
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.0 123.0
 192 20.4 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 142.120 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 75 Resp: 1163694
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.8 50.4
 77 30.6 24.7 37.1

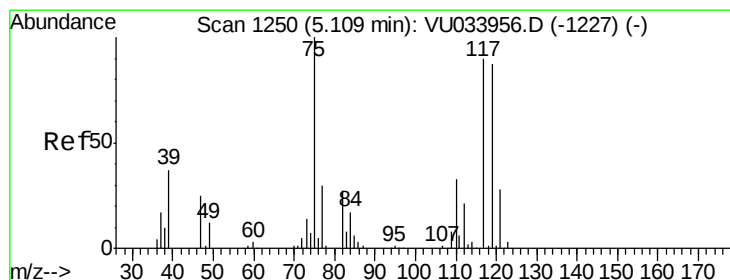
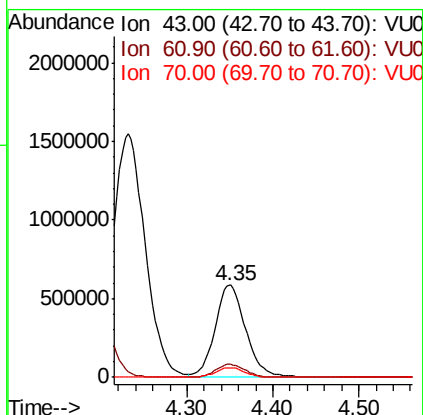
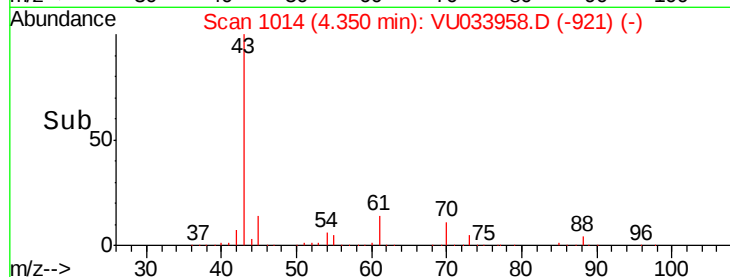
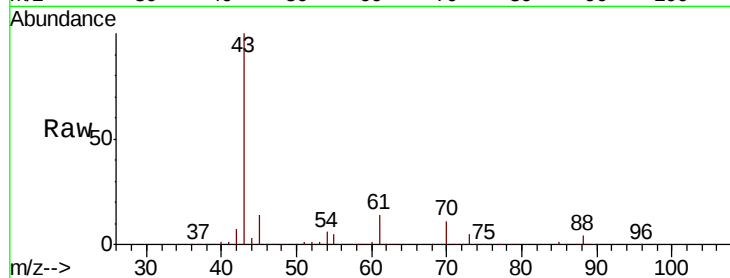




#37
Ethyl Acetate
Concen: 137.582 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

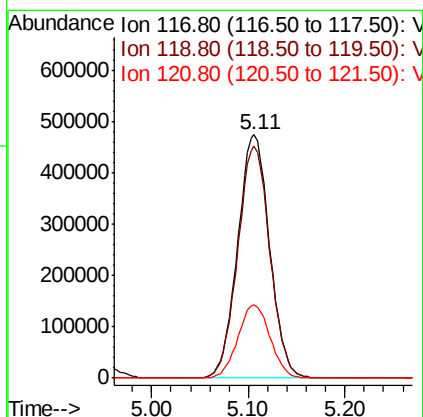
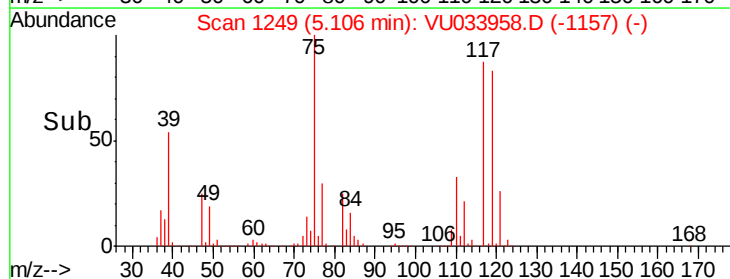
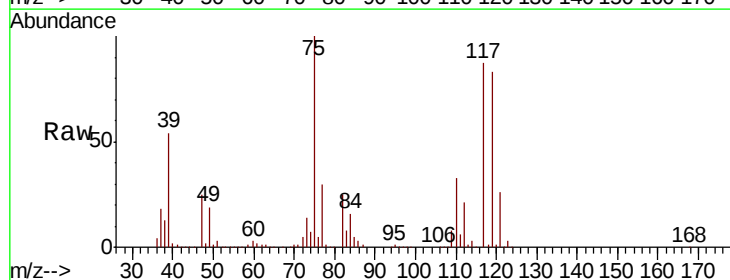
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

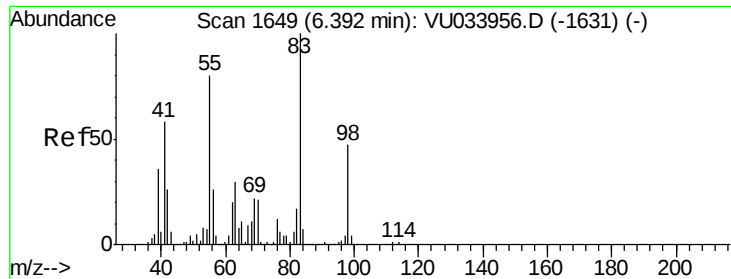
Tot Ion: 43 Resp: 1434410
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.6
70 10.2 8.2 12.4



#38
Carbon Tetrachloride
Concen: 160.279 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 117 Resp: 1091039
Ion Ratio Lower Upper
117 100
119 95.1 76.9 115.3
121 29.9 24.9 37.3



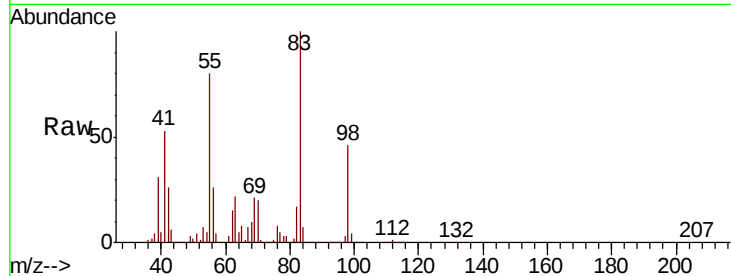


#39
Methvlcvclohexane
Concen: 143.377 ug/l
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

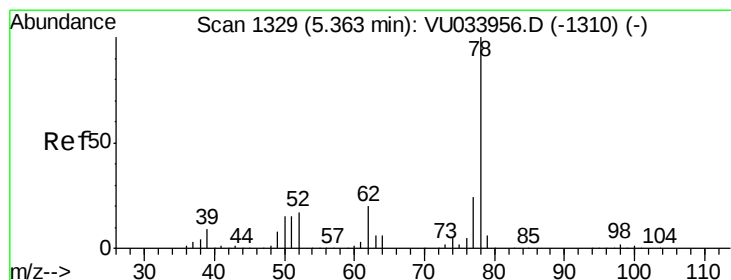
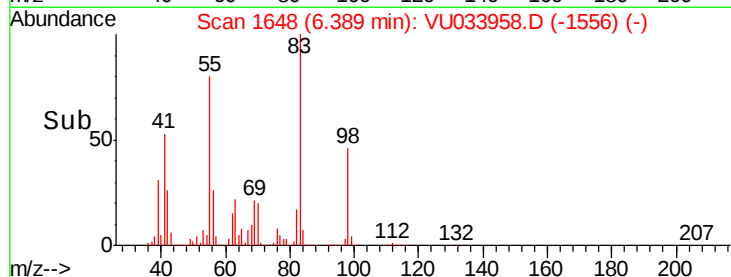
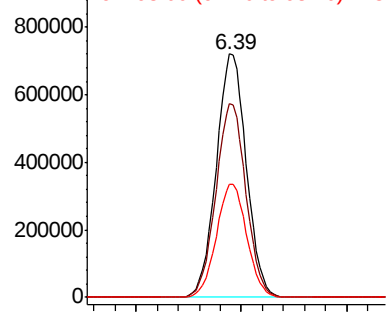
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1426934

Ion	Ratio	Lower	Upper
83	100		
55	79.7	63.8	95.8
98	46.4	37.7	56.5



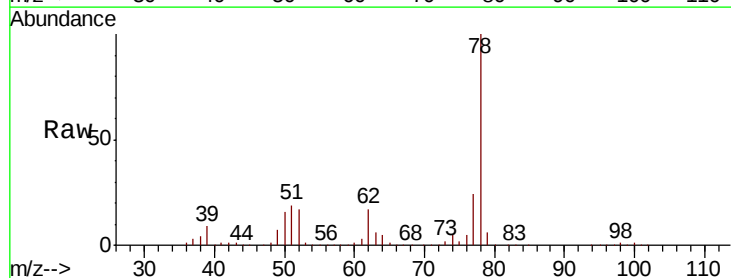
Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



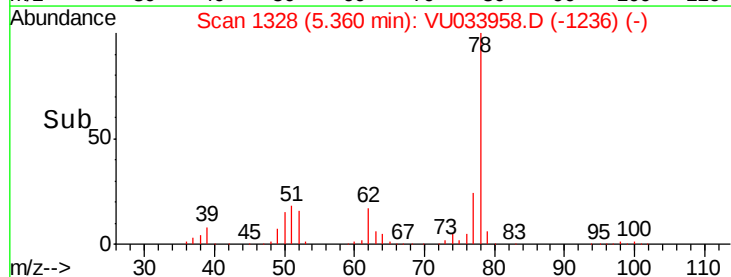
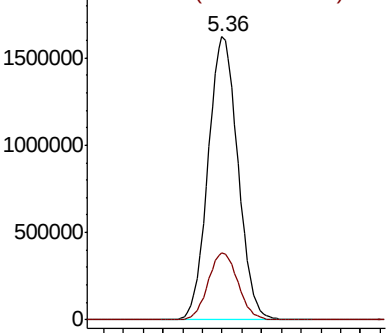
#40
Benzene
Concen: 140.626 ug/l
RT: 5.36 min Scan# 1328
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

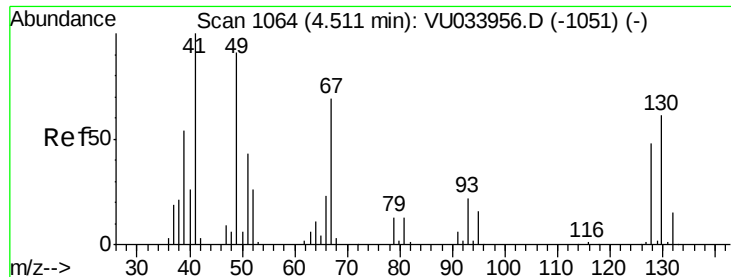
Tgt Ion: 78 Resp: 3396480

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



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

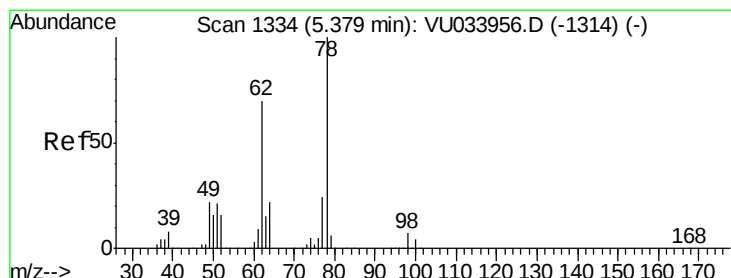
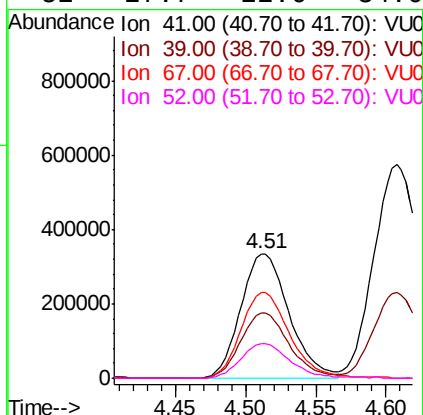
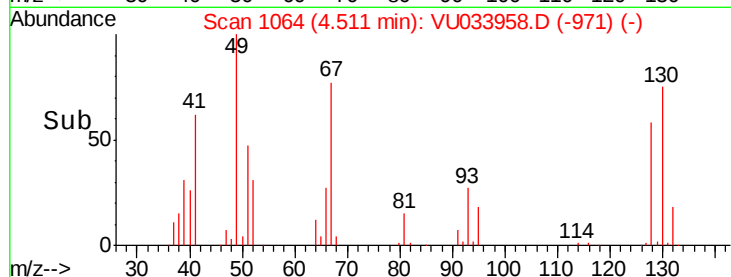
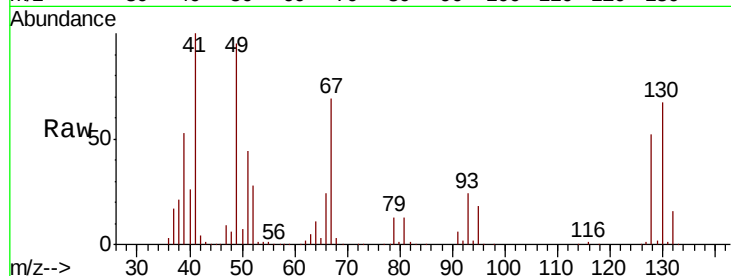




#41
Methacrylonitrile
Concen: 140.535 ug/l
RT: 4.51 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

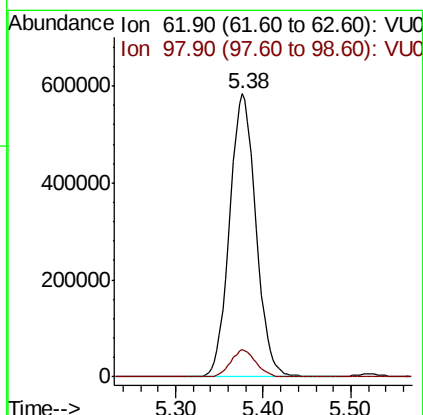
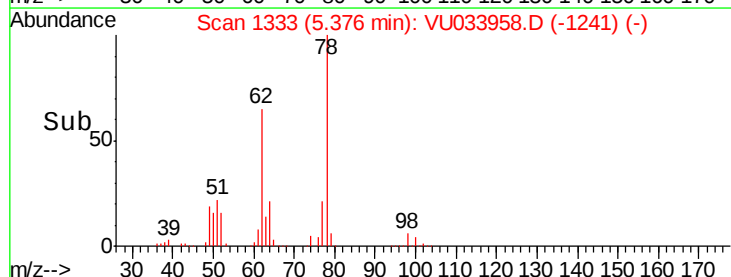
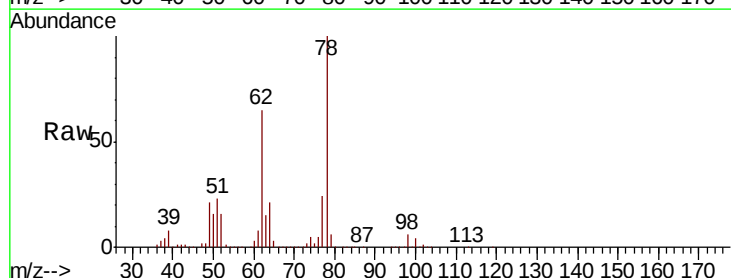
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

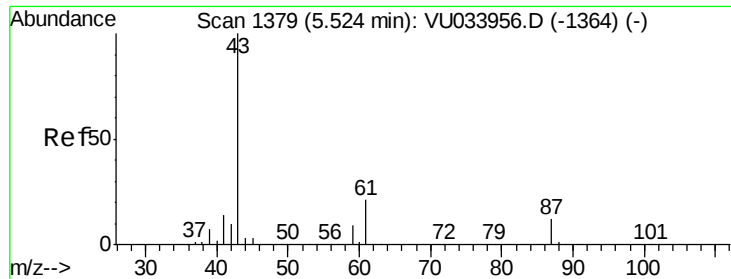
Tot Ion:	41	Resp:	798579
Ion	Ratio	Lower	Upper
41	100		
39	52.6	43.3	64.9
67	70.2	57.5	86.3
52	27.7	22.6	34.0



#42
1,2-Dichloroethane
Concen: 142.784 ug/l
RT: 5.38 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion:	62	Resp:	1217008
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2





#43

Isopropyl Acetate

Concen: 138.219 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleID :

VSTDIC150

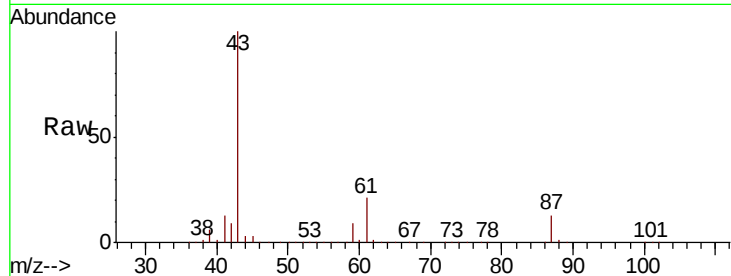
Tot Ion: 43 Resp: 2264196

Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	12.8	9.9	14.9

43 100

61 20.3 16.1 24.1

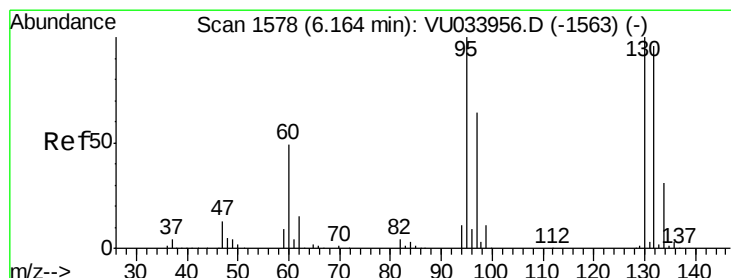
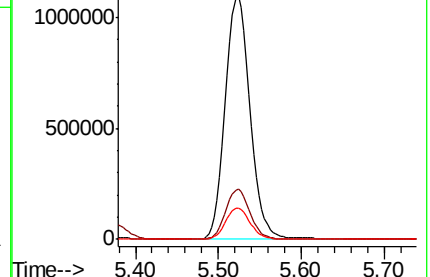
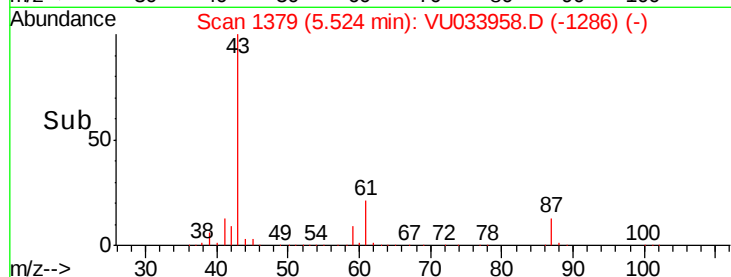
87 12.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VU033958.D (-1286) (-)

Ion 61.00 (60.70 to 61.70): VU033958.D (-1286) (-)

Ion 87.00 (86.70 to 87.70): VU033958.D (-1286) (-)



#44

Trichloroethene

Concen: 158.223 ug/l

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU033958.D

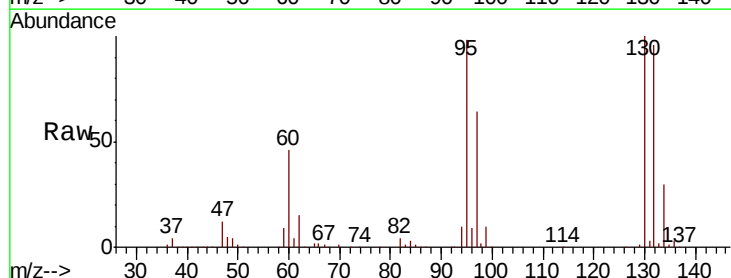
Acq: 26 Aug 2019 18:37

Tgt Ion:130 Resp: 868971

Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	200.4

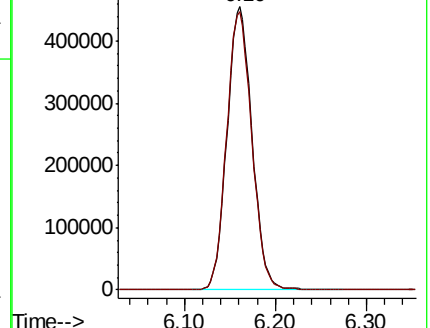
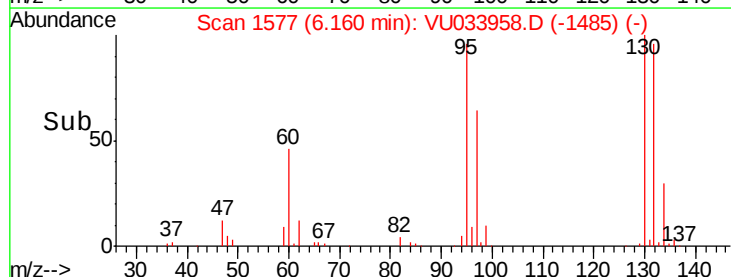
130 100

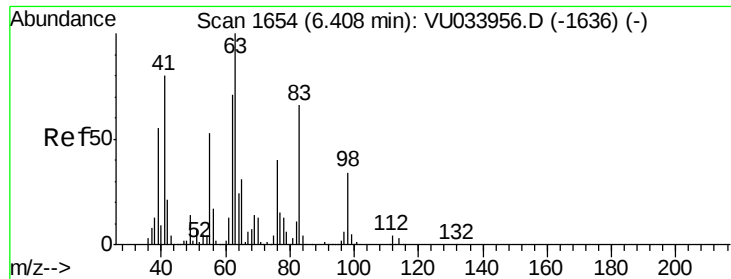
95 98.3 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VU033958.D (-1485) (-)

Ion 94.90 (94.60 to 95.60): VU033958.D (-1485) (-)

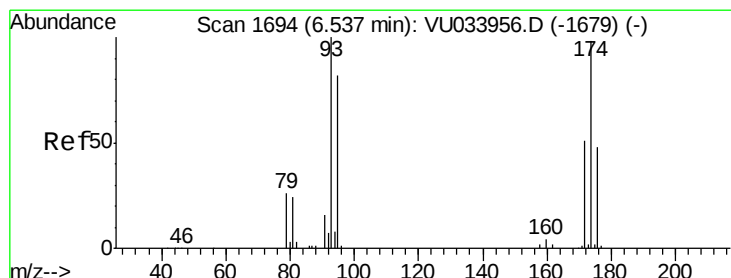
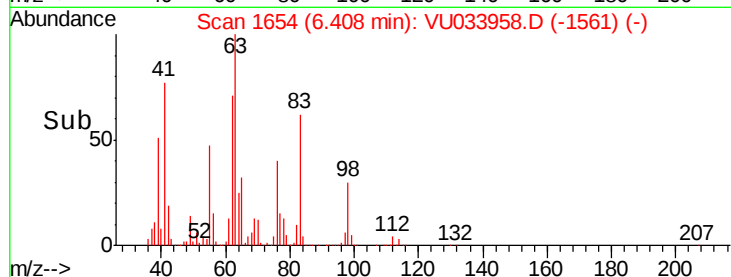
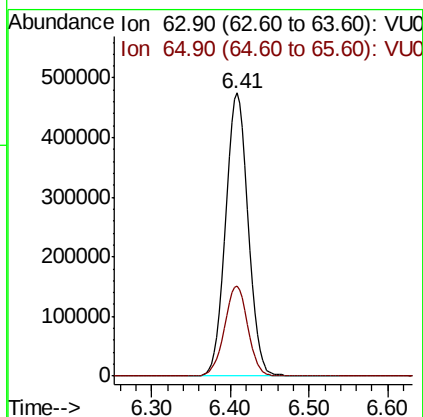
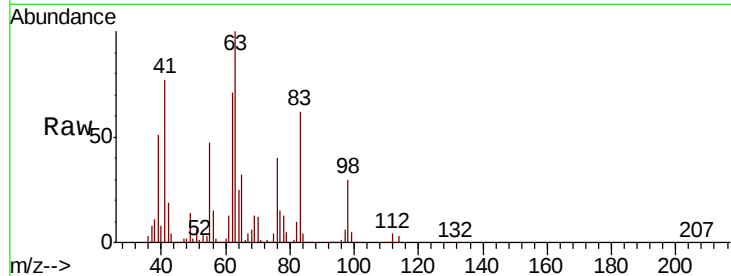




#45
 1,2-Dichloropropane
 Concen: 138.951 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

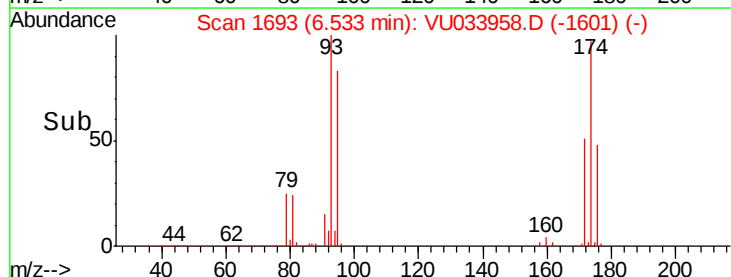
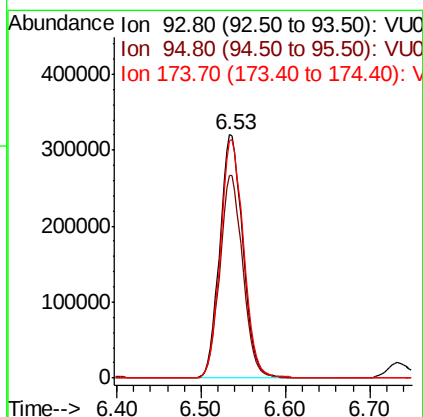
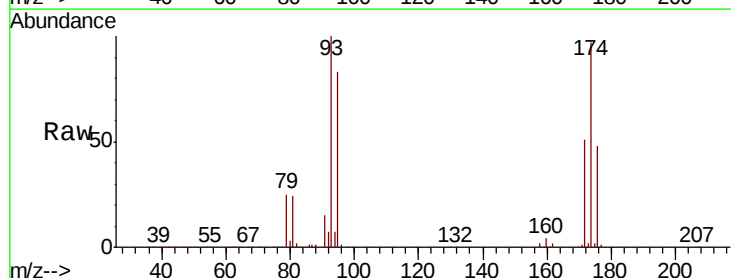
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

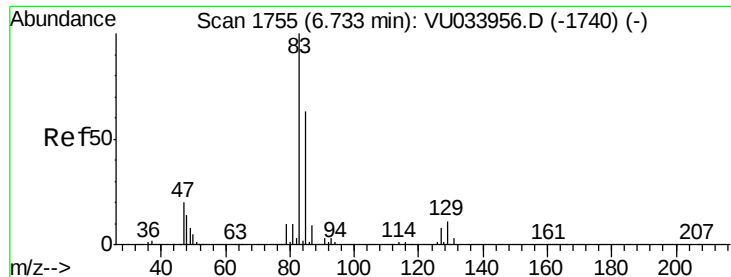
Tot Ion: 63 Resp: 936263
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4



#46
 Dibromomethane
 Concen: 150.504 ug/l
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 93 Resp: 611004
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.3 100.9
 174 98.4 79.7 119.5

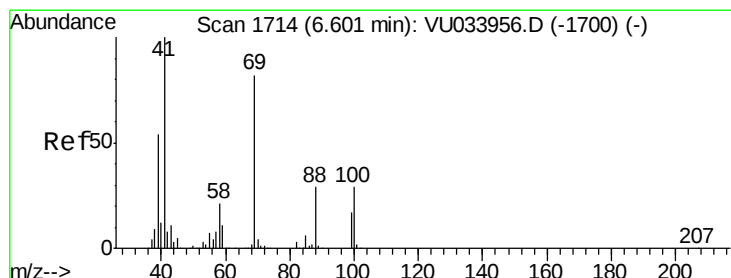
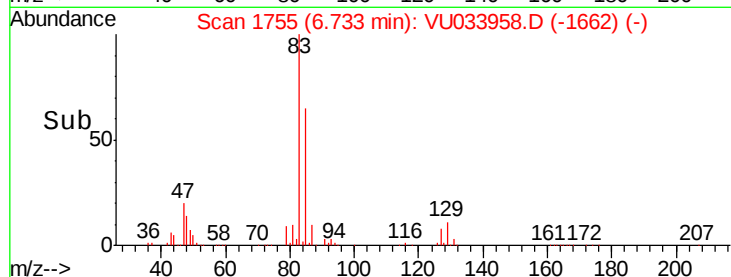
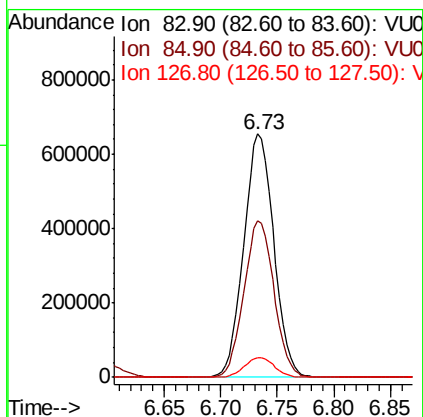
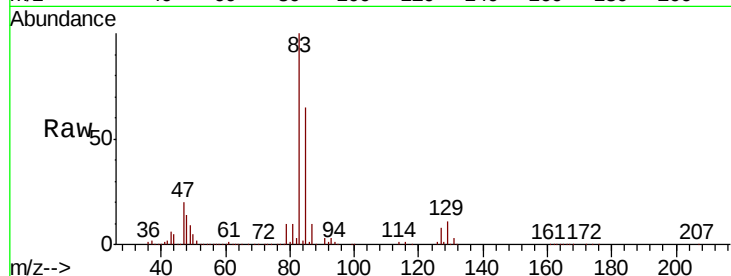




#47
Bromodichloromethane
Concen: 152.221 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

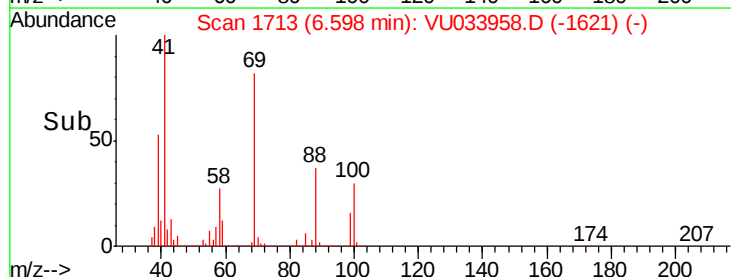
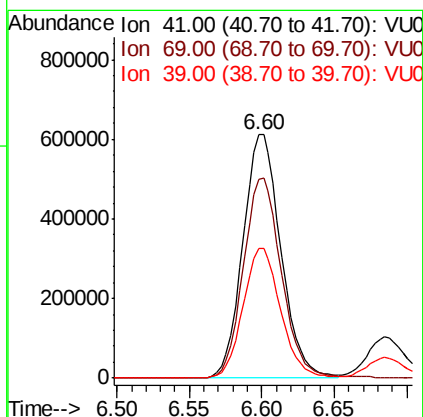
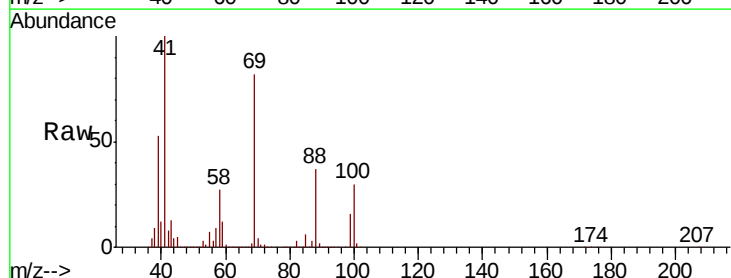
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

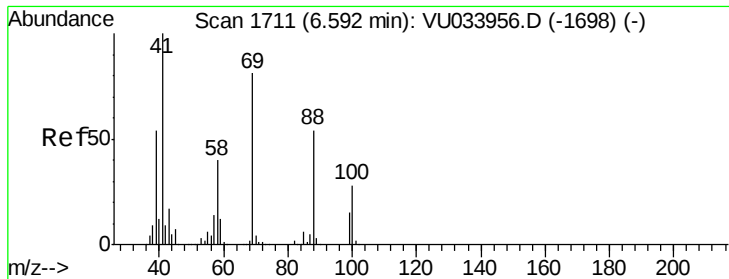
Tot Ion: 83 Resp: 1213196
Ion Ratio Lower Upper
83 100
85 64.5 50.5 75.7
127 8.3 6.6 9.8



#48
Methyl methacrylate
Concen: 137.284 ug/l
RT: 6.60 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 41 Resp: 1111156
Ion Ratio Lower Upper
41 100
69 83.2 66.9 100.3
39 52.9 43.3 64.9

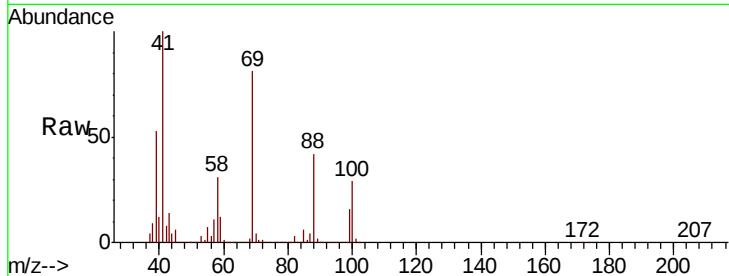




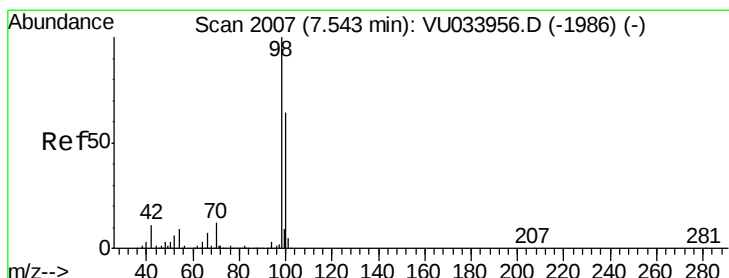
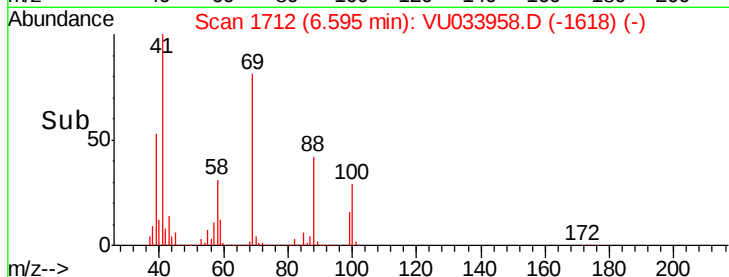
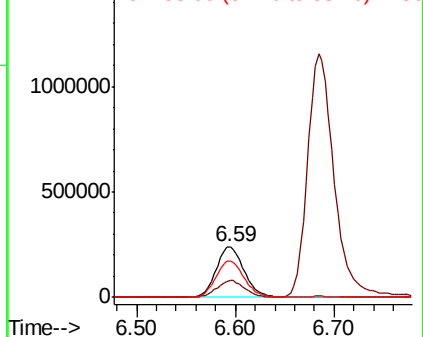
#49
1,4-Dioxane
Concen: 3490.314 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 88 Resp: 472317
Ion Ratio Lower Upper
88 100
43 33.0 27.2 40.8
58 73.6 59.3 88.9

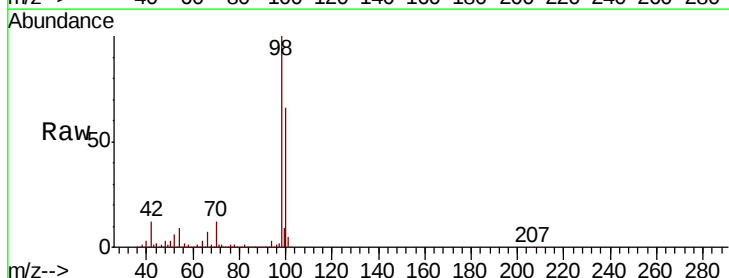


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

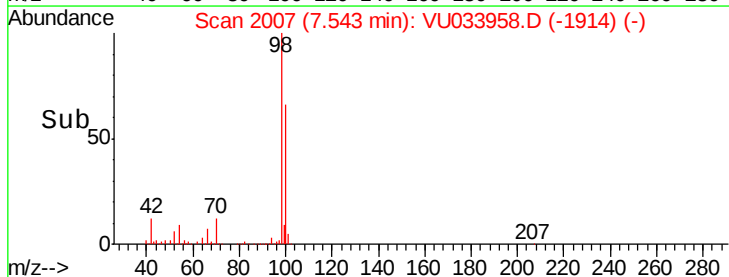
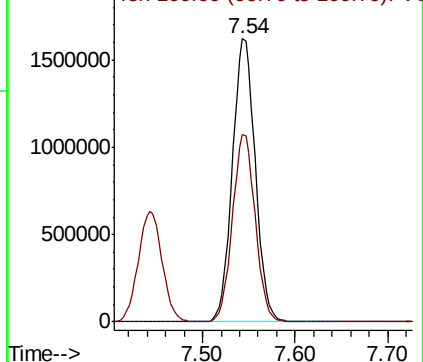


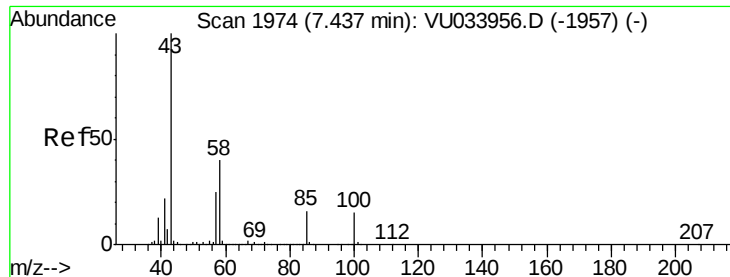
#50
Toluene-d8
Concen: 147.721 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 98 Resp: 2768989
Ion Ratio Lower Upper
98 100
100 66.3 51.8 77.6



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





#51

4-Methyl-2-Pentanone

Concen: 726.135 ug/l

RT: 7.44 min Scan# 1976

Delta R.T. 0.01 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

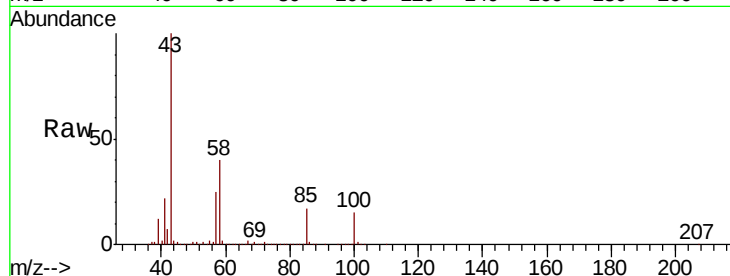
VSTDIC150

Tot Ion: 43 Resp: 7603792

Ion Ratio Lower Upper

43 100

58 39.9 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-1957) (-)

Ion 58.00 (57.70 to 58.70): VU033956.D (-1957) (-)

5000000

4000000

3000000

2000000

1000000

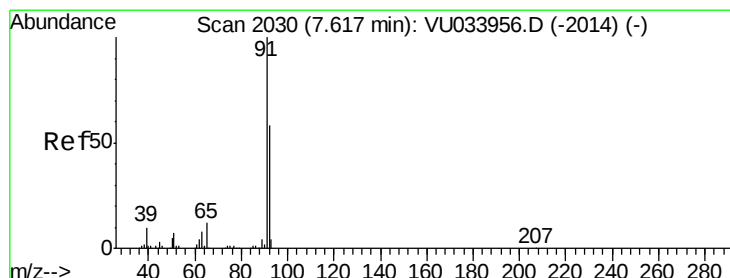
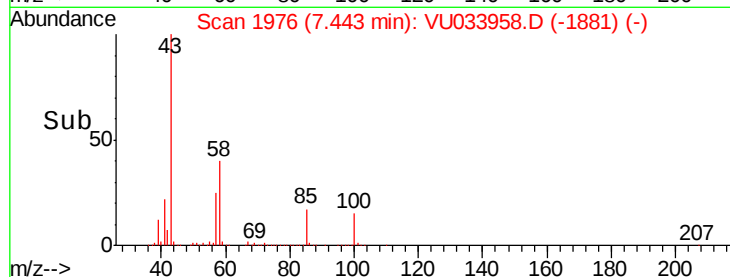
0

7.40

7.44

7.50

Time-->



#52

Toluene

Concen: 145.195 ug/l

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU033958.D

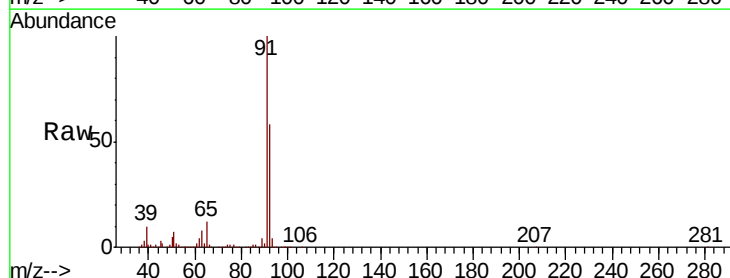
Acq: 26 Aug 2019 18:37

Tgt Ion: 92 Resp: 2071541

Ion Ratio Lower Upper

92 100

91 171.3 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VU033956.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU033956.D (-2014) (-)

2500000

2000000

1500000

1000000

500000

0

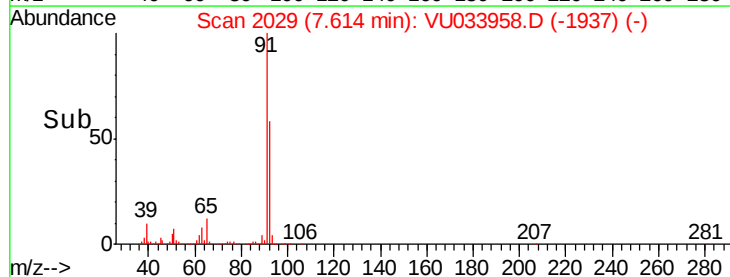
7.50

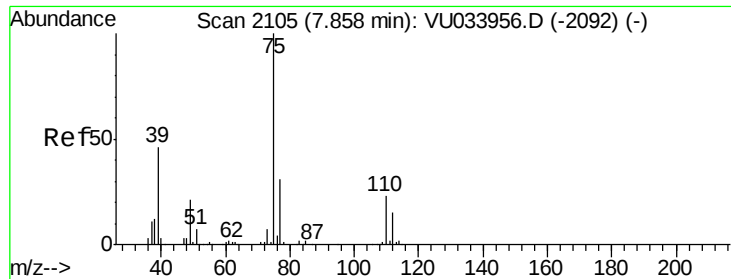
7.61

7.70

7.80

Time-->



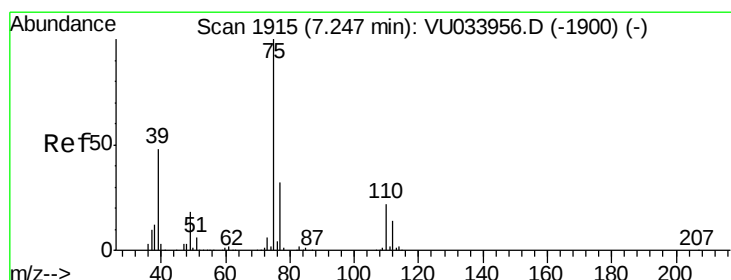
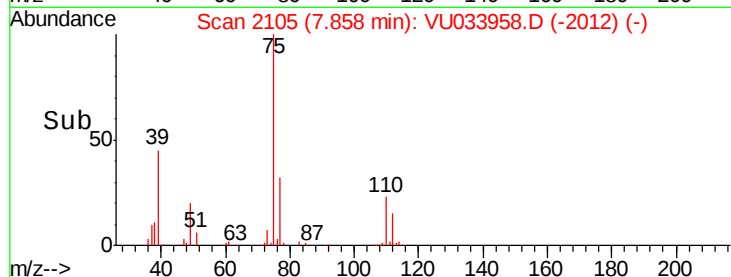
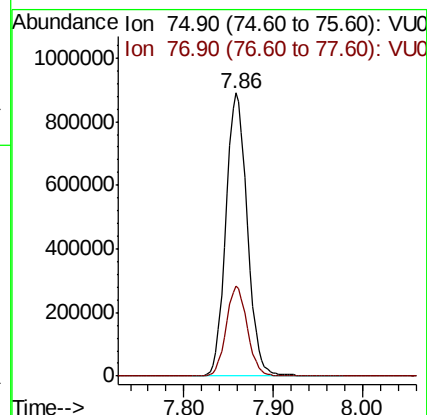
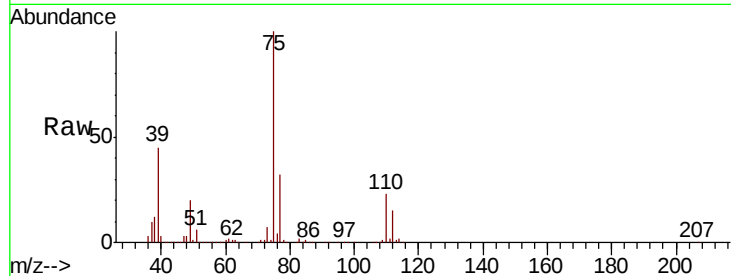


#53
t-1,3-Dichloropropene
Concen: 158.003 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1478690

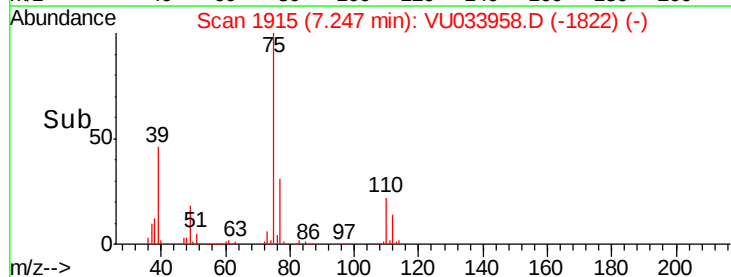
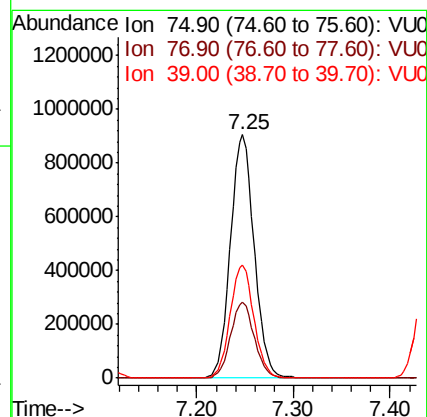
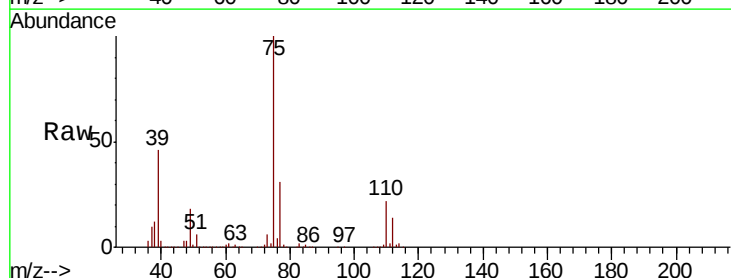
Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

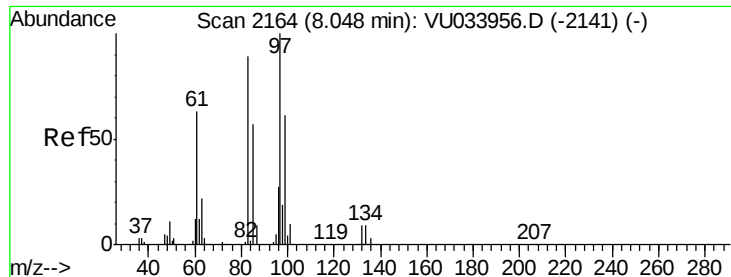


#54
cis-1,3-Dichloropropene
Concen: 152.067 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 75 Resp: 1545885

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	46.4	38.3	57.5

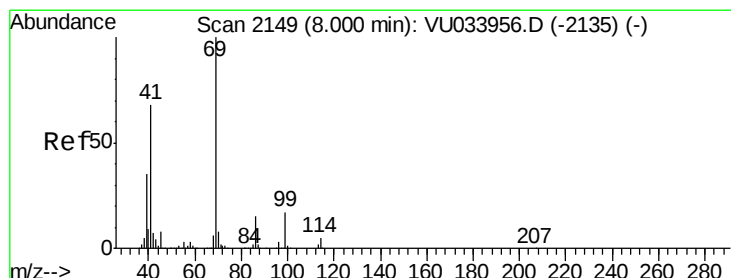
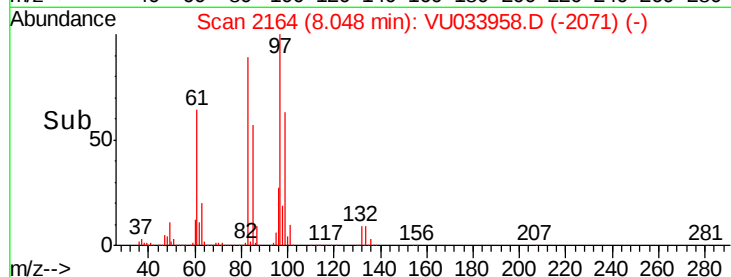
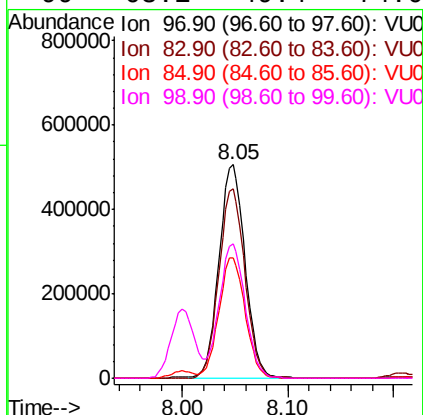
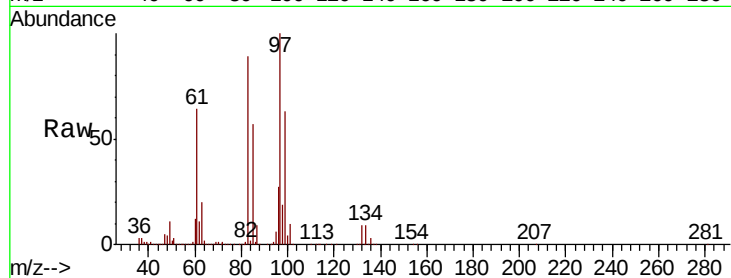




#55
 1,1,2-Trichloroethane
 Concen: 151.724 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

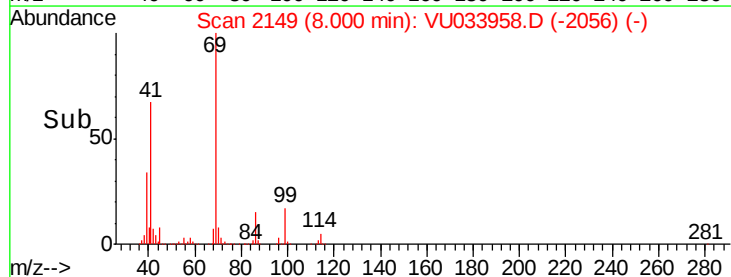
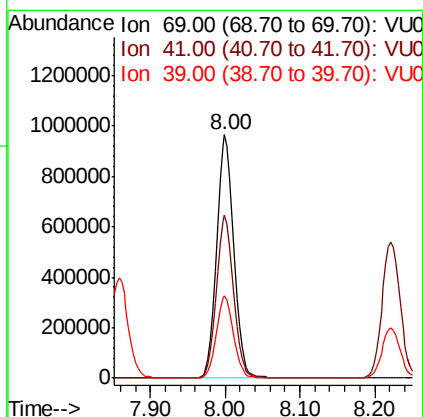
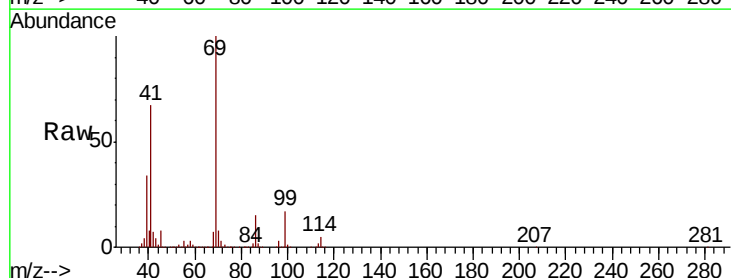
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

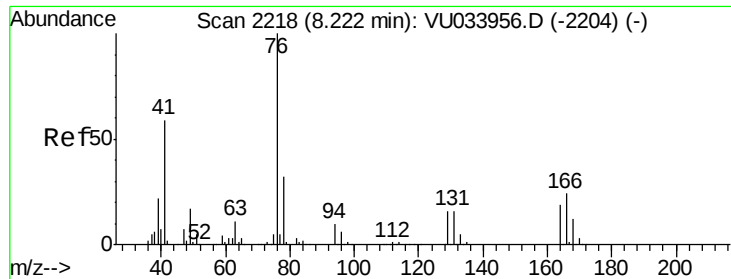
Tot Ion	97	Resp	860953
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	56.6	45.5	68.3
99	63.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 161.681 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion	69	Resp	1539888
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.1	81.1
39	33.6	28.1	42.1





#57

1,3-Dichloropropane

Concen: 148.479 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

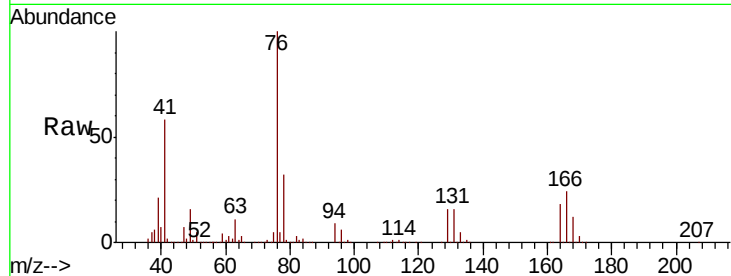
VSTDIC150

Tot Ion: 76 Resp: 1560775

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

1000000

800000

600000

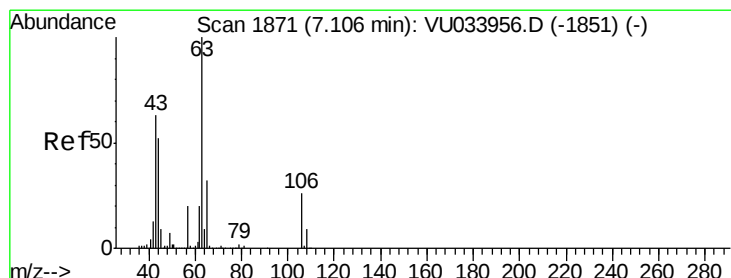
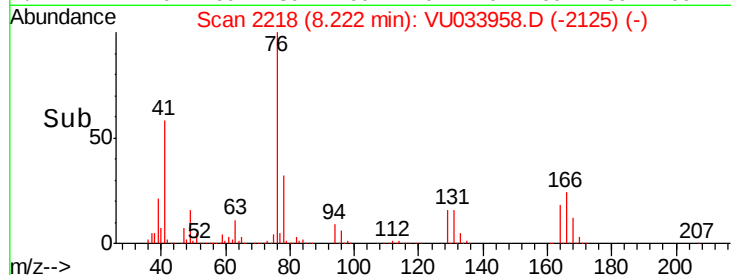
400000

200000

0

Time-->

8.10 8.20 8.30 8.40



#58

2-Chloroethyl Vinyl ether

Concen: 653.867 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU033958.D

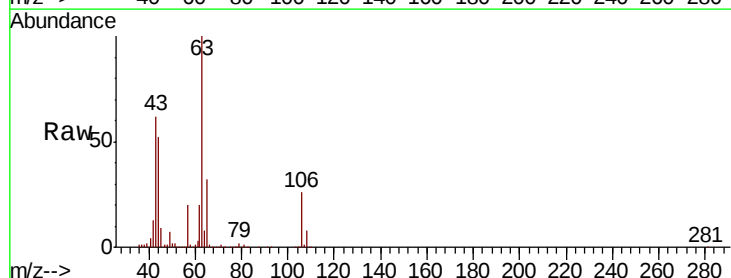
Acq: 26 Aug 2019 18:37

Tgt Ion: 63 Resp: 3061537

Ion Ratio Lower Upper

63 100

106 26.1 20.8 31.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

2000000

1500000

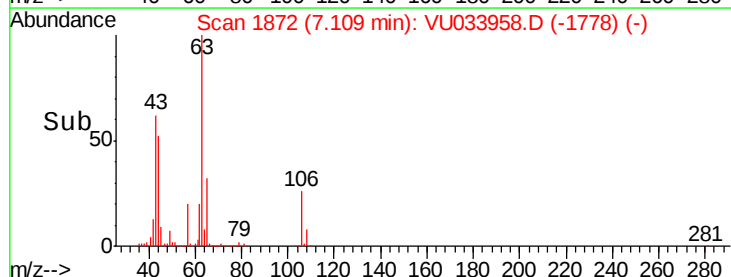
1000000

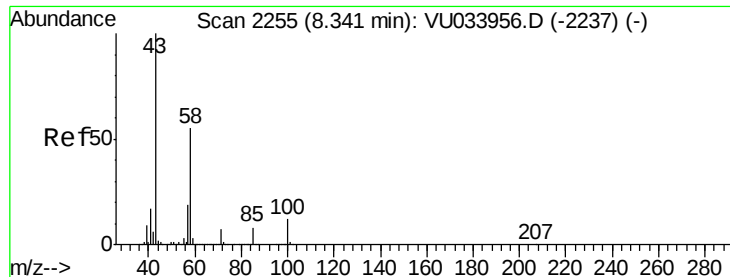
500000

0

Time-->

7.00 7.10 7.20

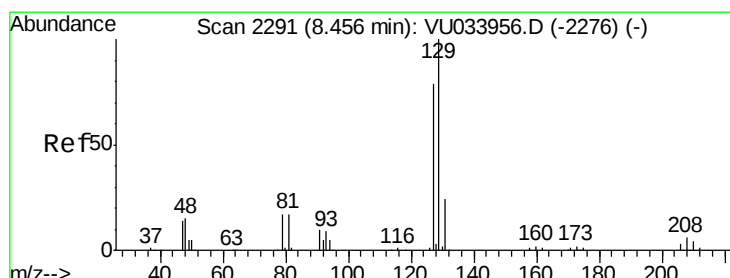
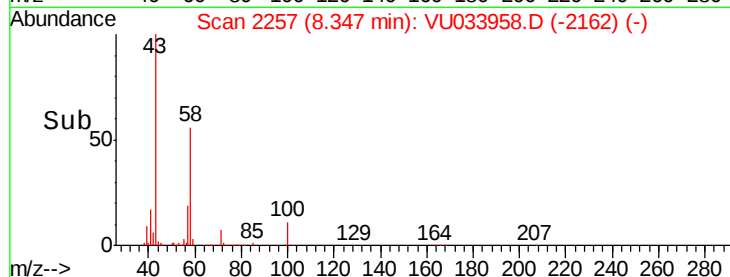
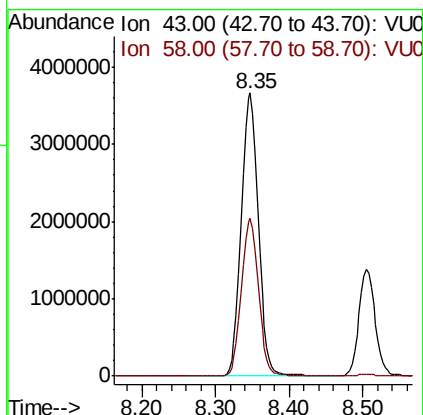
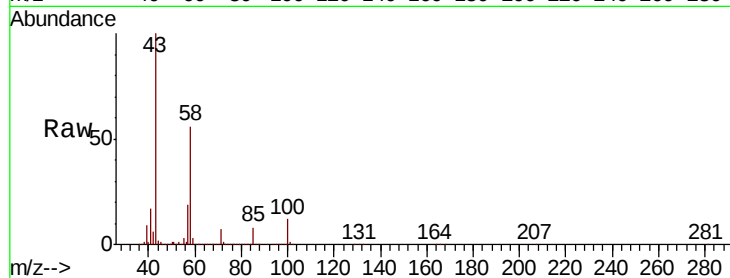




#59
2-Hexanone
Concen: 723.403 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

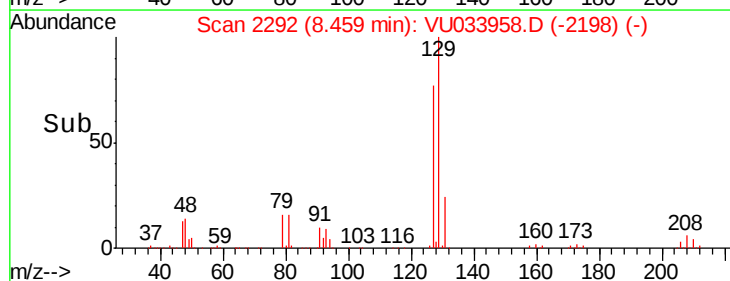
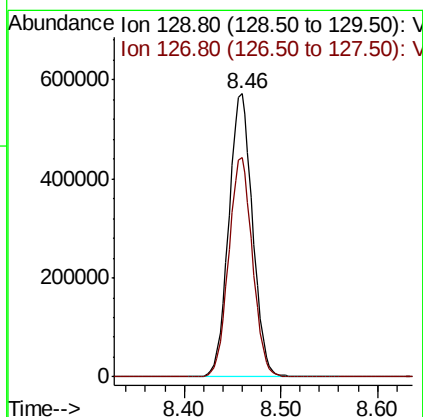
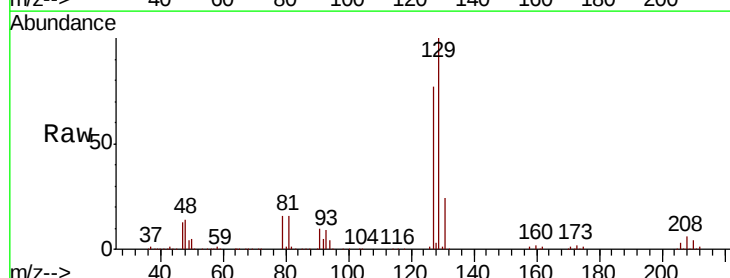
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

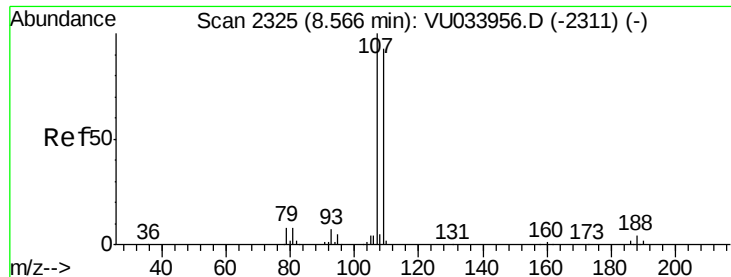
Tot Ion: 43 Resp: 5991456
Ion Ratio Lower Upper
43 100
58 55.8 27.3 81.9



#60
Dibromochloromethane
Concen: 172.301 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 129 Resp: 975343
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7

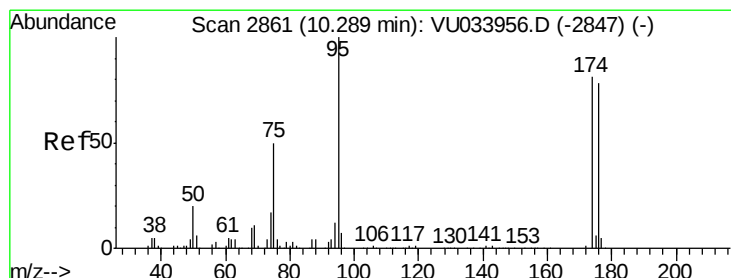
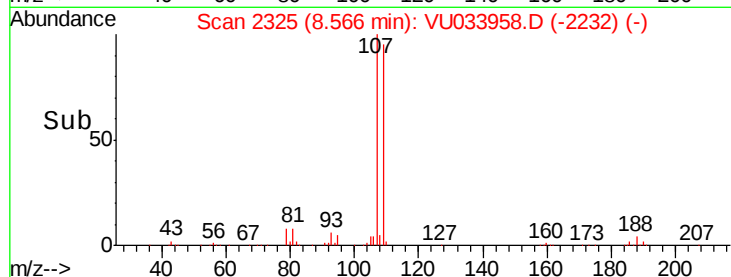
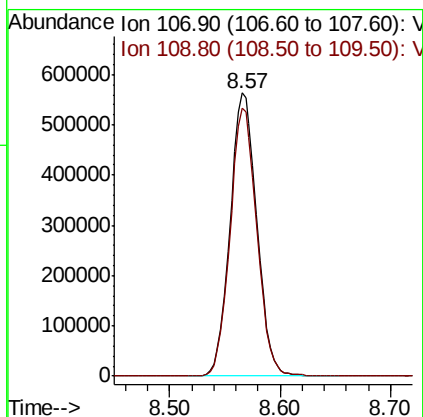
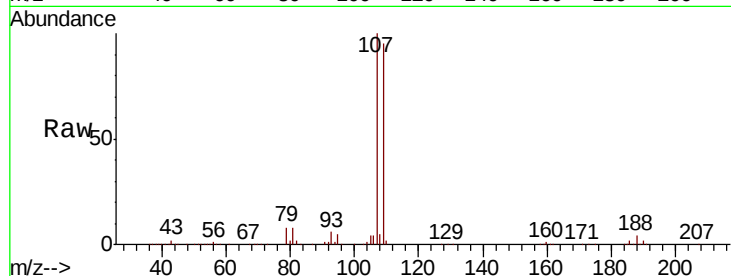




#61
 1,2-Dibromoethane
 Concen: 158.727 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

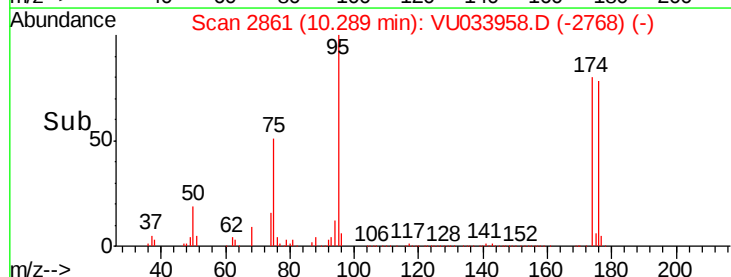
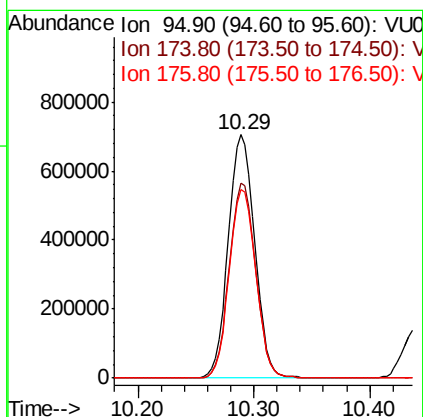
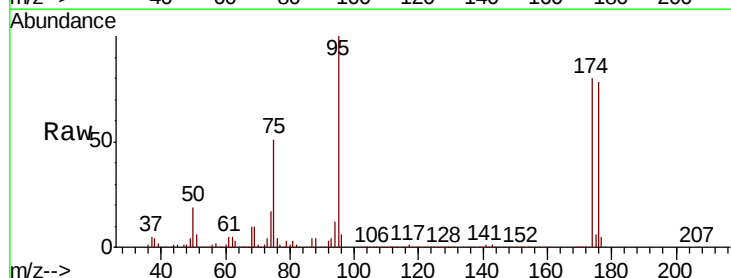
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

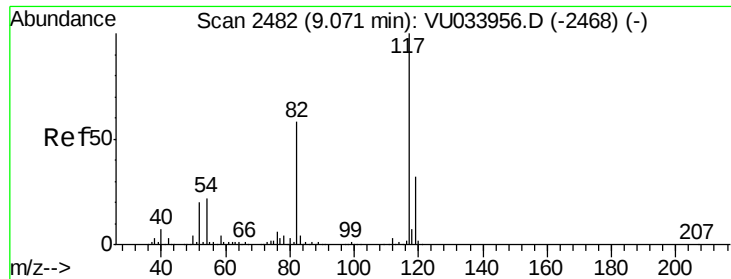
Tot Ion:107 Resp: 947738
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 158.636 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion: 95 Resp: 1111776
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 160.4
 176 78.0 0.0 154.2

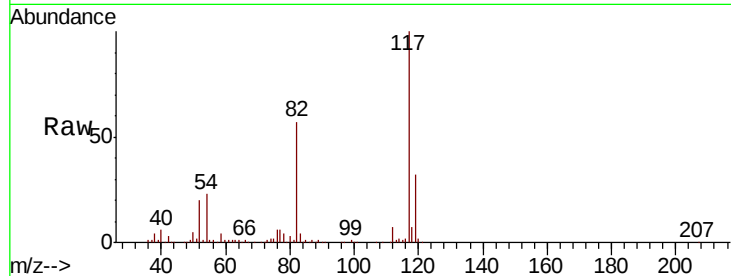




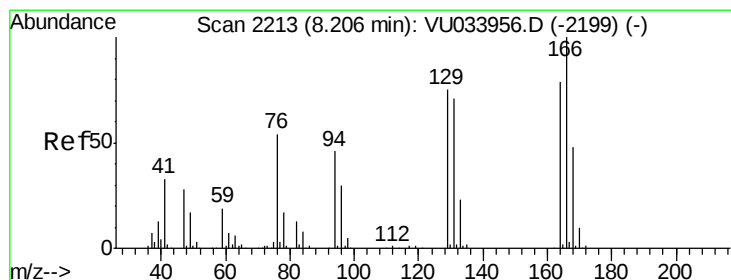
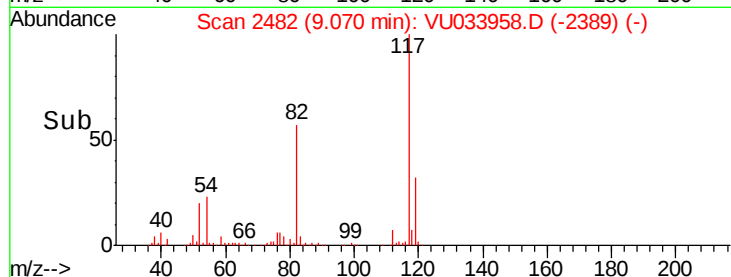
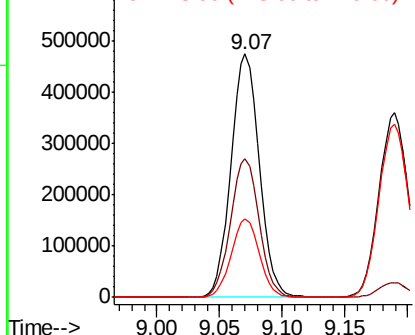
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 745705
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.1 25.3 37.9

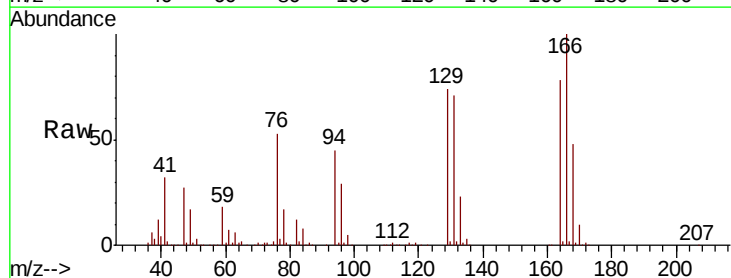


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

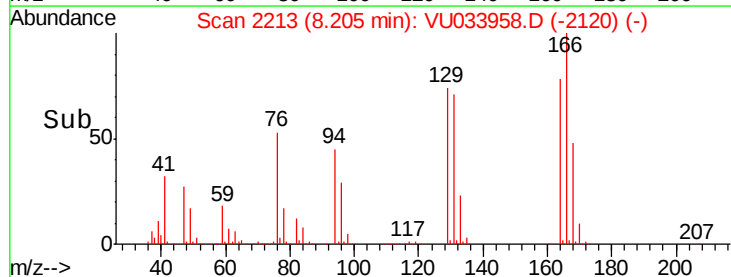
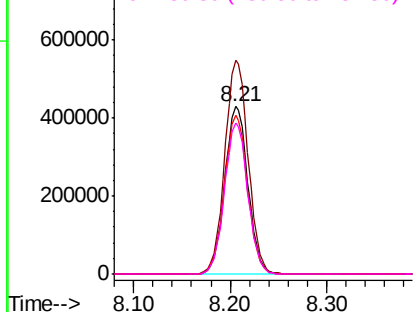


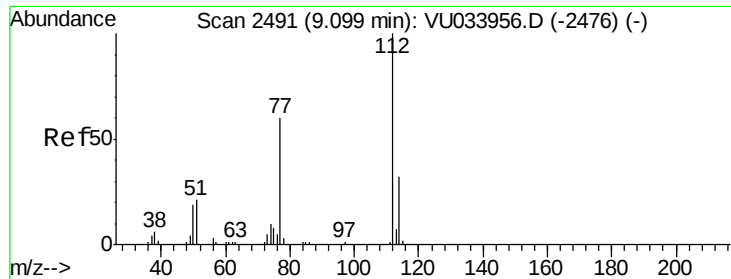
#64
Tetrachloroethene
Concen: 142.512 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion:164 Resp: 714285
Ion Ratio Lower Upper
164 100
166 127.6 101.4 152.2
129 94.6 76.6 114.8
131 90.6 72.2 108.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

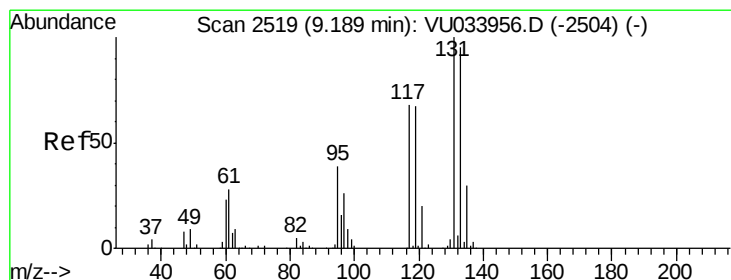
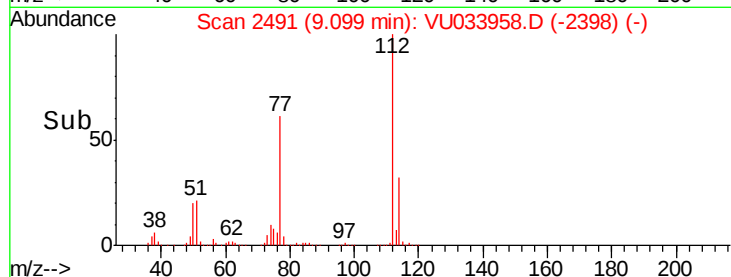
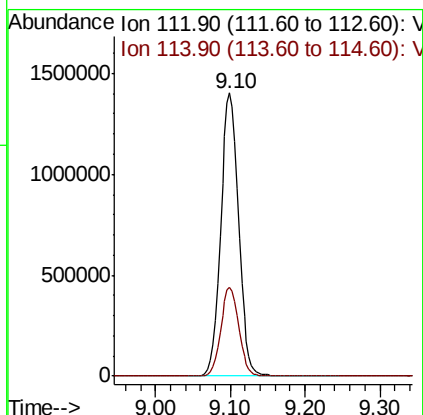
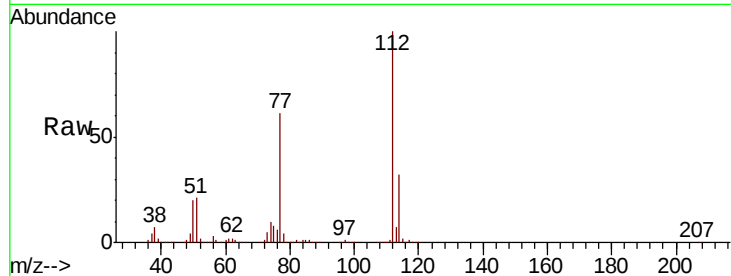




#65
Chlorobenzene
Concen: 146.071 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

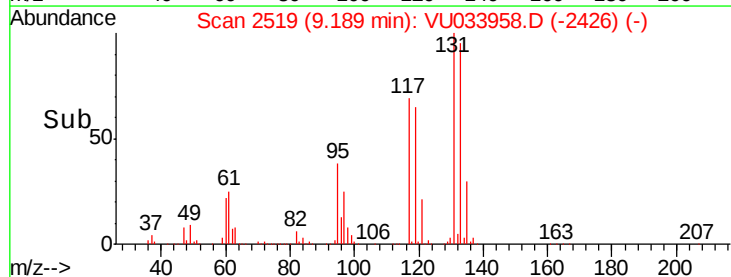
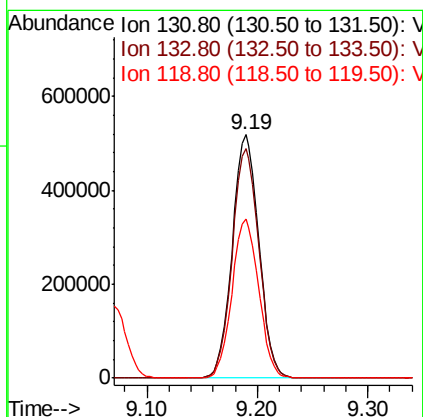
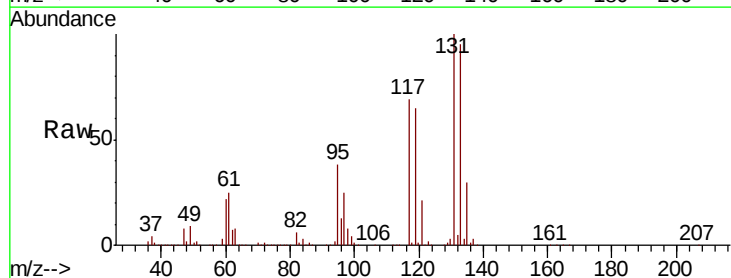
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

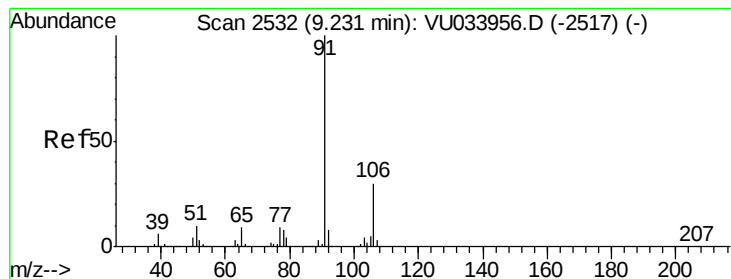
Tot Ion:112 Resp: 2305766
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 169.049 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion:131 Resp: 867999
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 65.5 33.3 99.8





#67

Ethyl Benzene

Concen: 143.272 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

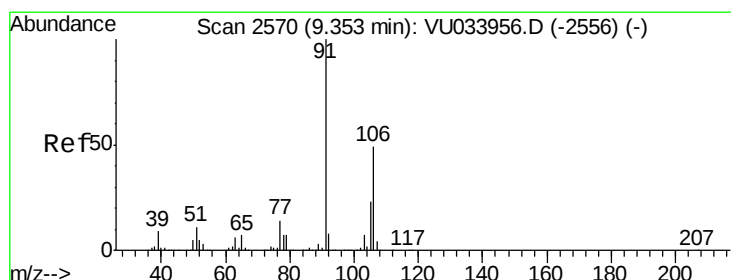
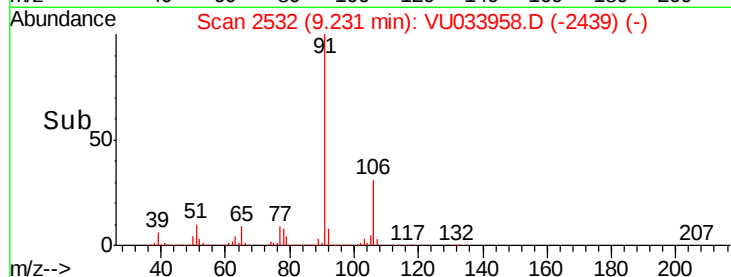
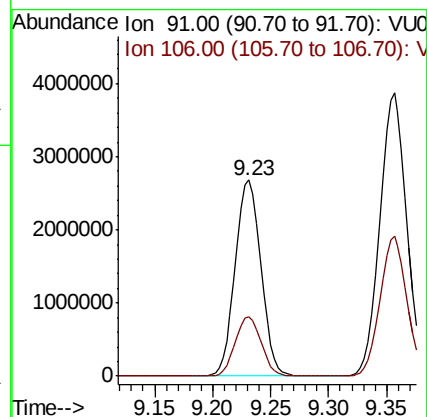
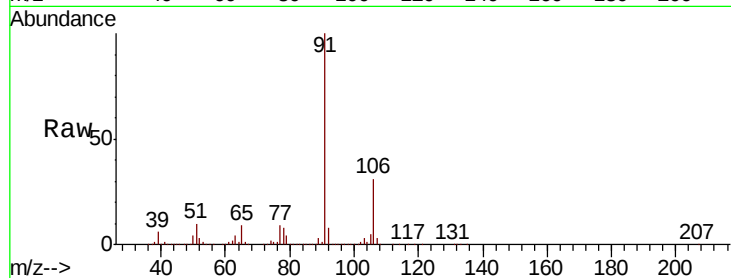
VSTDIC150

Tot Ion: 91 Resp: 4128567

Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5



#68

m/p-Xylenes

Concen: 294.914 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033958.D

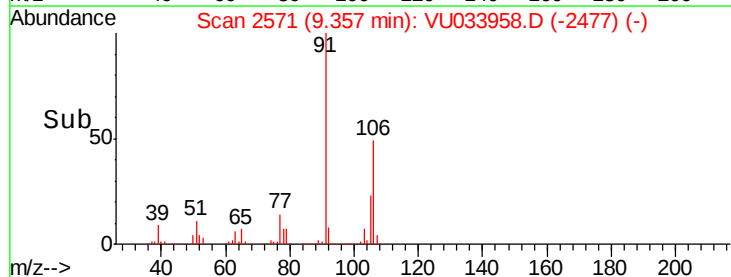
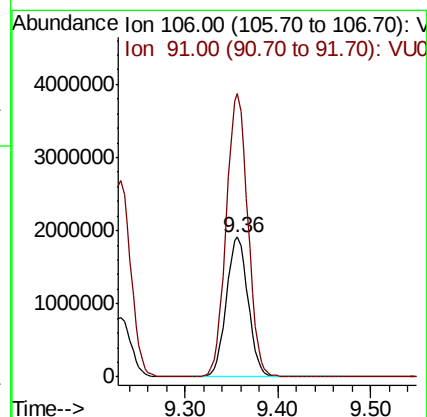
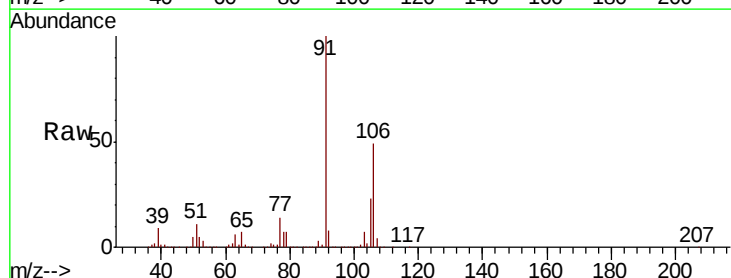
Acq: 26 Aug 2019 18:37

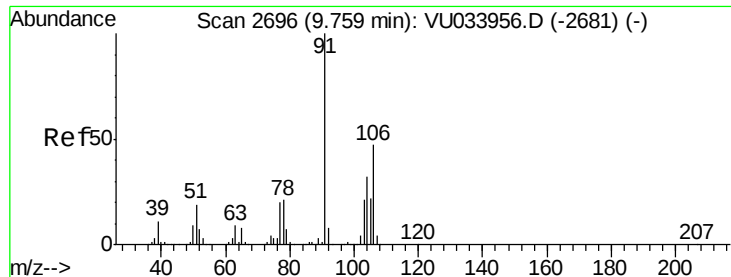
Tgt Ion: 106 Resp: 3100029

Ion Ratio Lower Upper

106 100

91 202.6 163.8 245.6

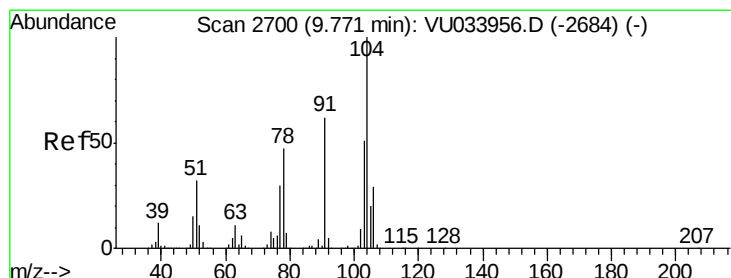
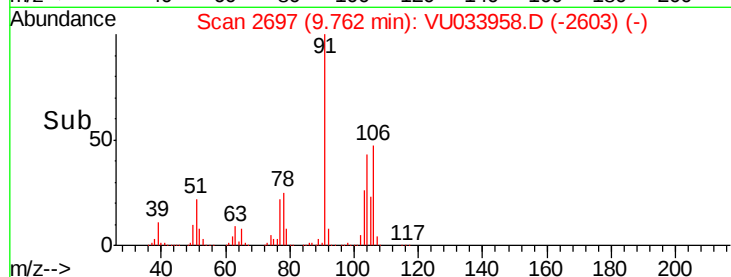
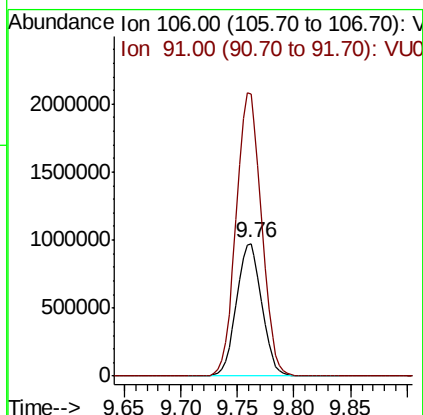
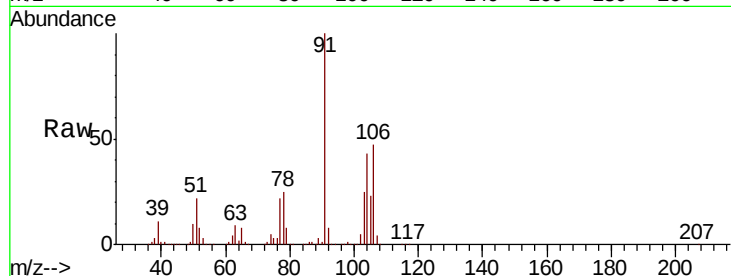




#69
o-Xylene
Concen: 149.478 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

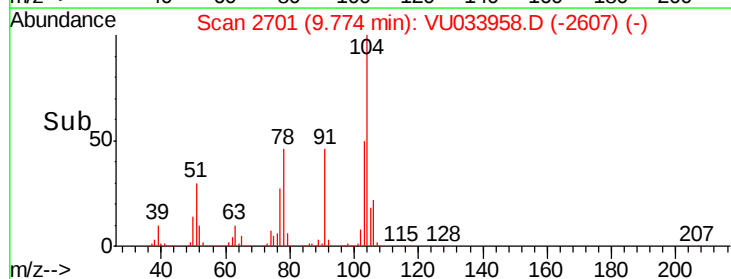
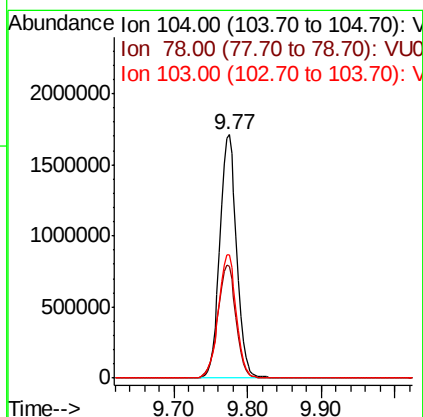
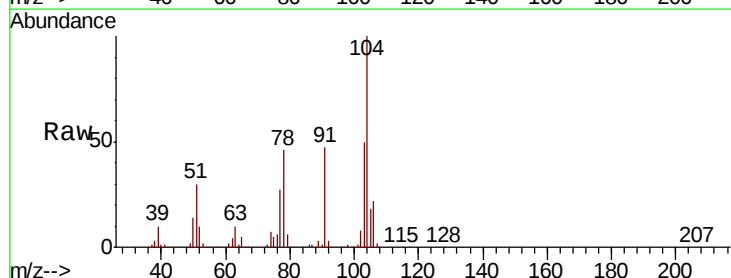
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

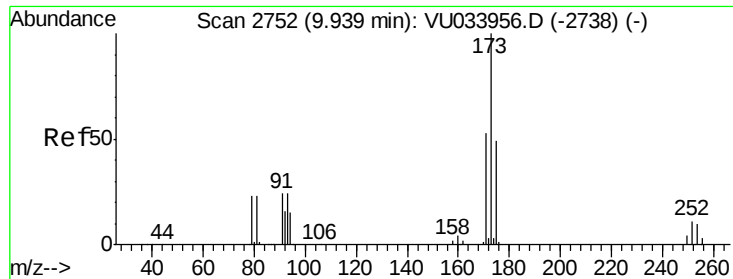
Tot Ion:106 Resp: 1522868
Ion Ratio Lower Upper
106 100
91 214.5 106.9 320.7



#70
Styrene
Concen: 158.587 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion:104 Resp: 2705731
Ion Ratio Lower Upper
104 100
78 50.2 40.4 60.6
103 54.0 43.8 65.6





#71

Bromoform

Concen: 183.353 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

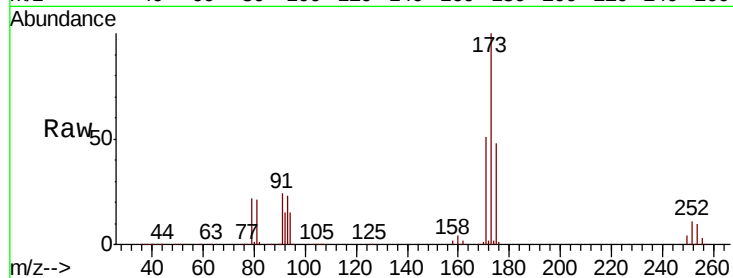
Tot Ion:173 Resp: 800685

Ion Ratio Lower Upper

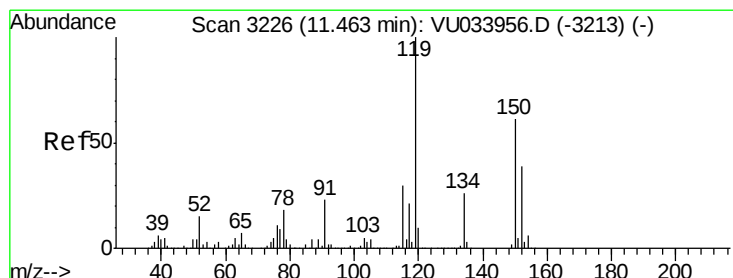
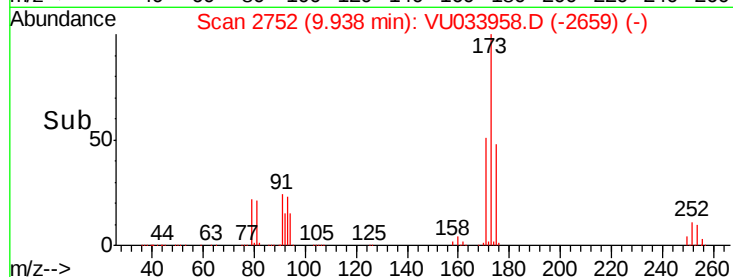
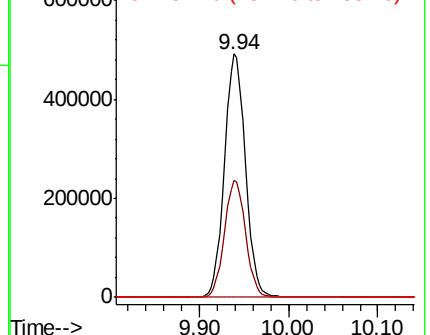
173 100

175 48.7 24.8 74.3

254 0.1 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: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

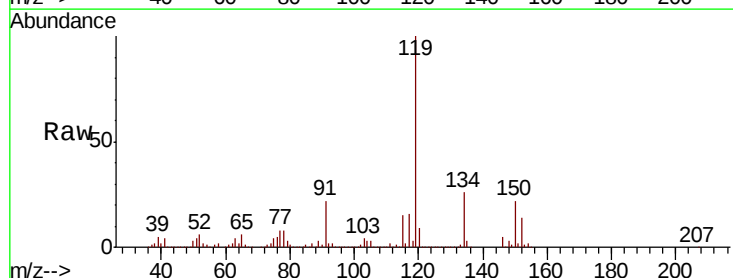
Tgt Ion:152 Resp: 407629

Ion Ratio Lower Upper

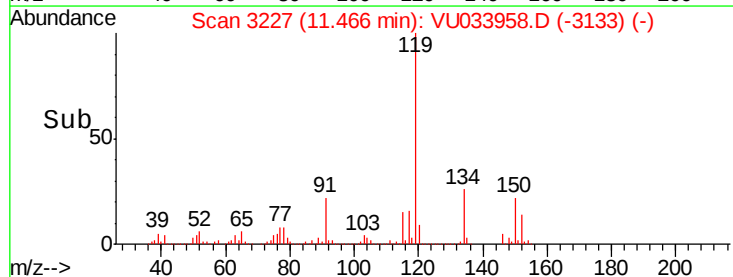
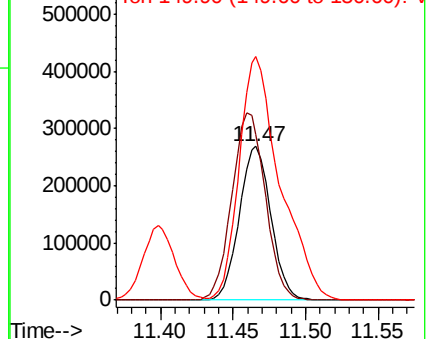
152 100

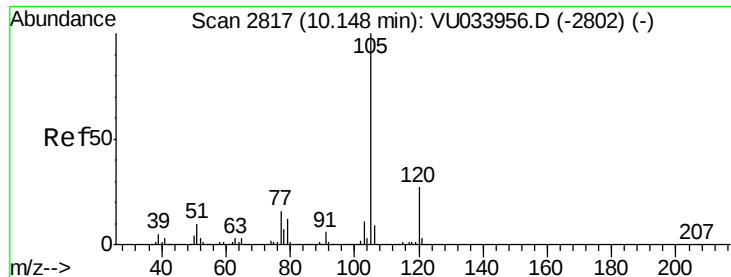
115 128.6 40.3 120.9#

150 205.3 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: 135.428 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

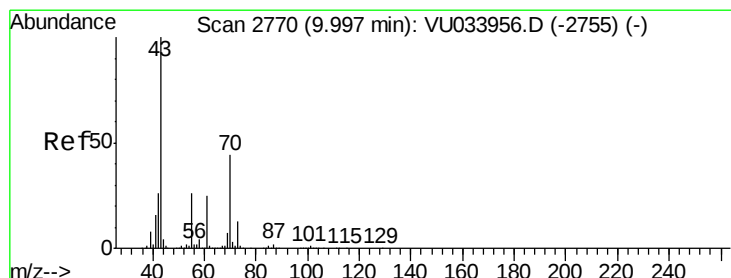
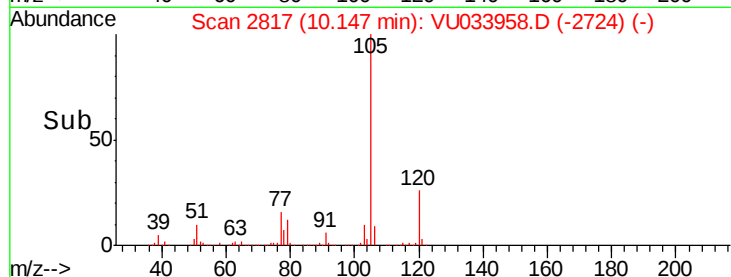
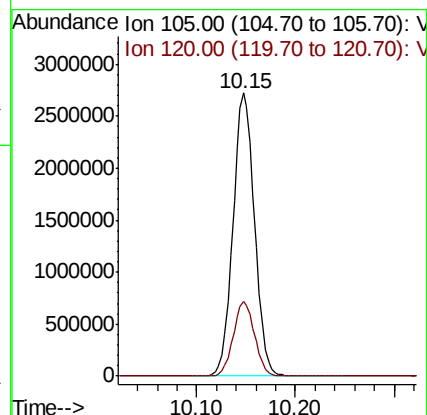
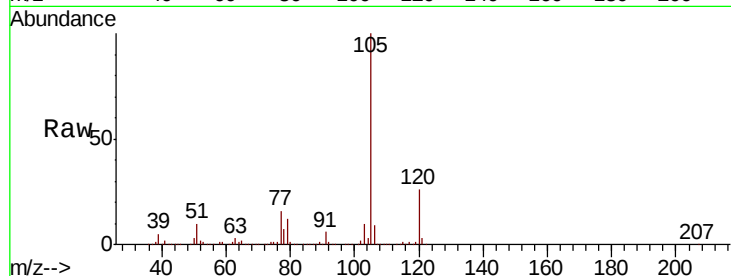
VSTDIC150

Tot Ion:105 Resp: 4146139

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#74

N-ethyl acetate

Concen: 125.084 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Tgt Ion: 43 Resp: 2142061

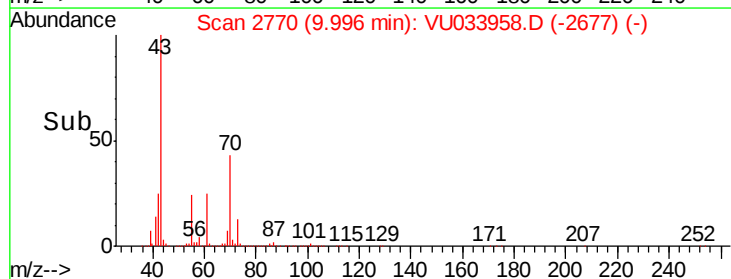
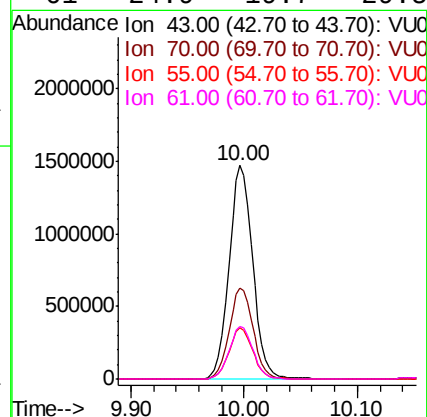
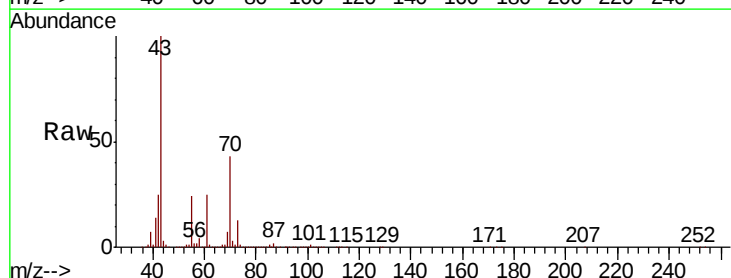
Ion Ratio Lower Upper

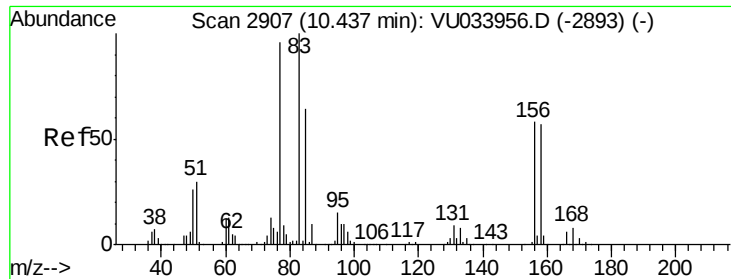
43 100

70 43.2 34.5 51.7

55 24.3 20.9 31.3

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 133.954 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

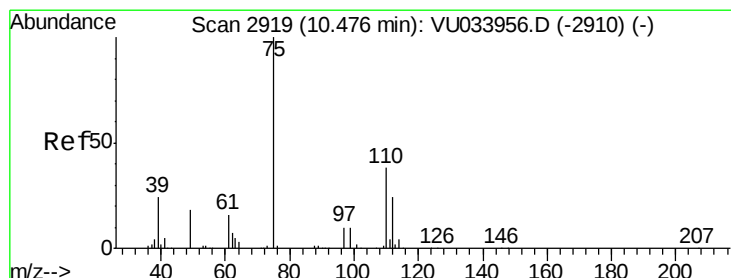
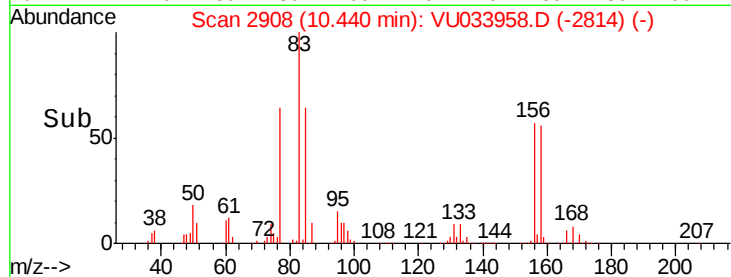
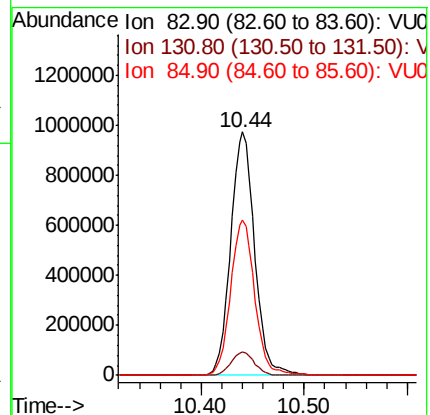
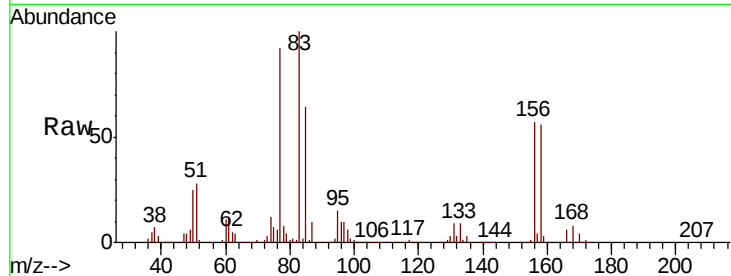
Tot Ion: 83 Resp: 1574240

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

85 64.3 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 184.806 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033958.D

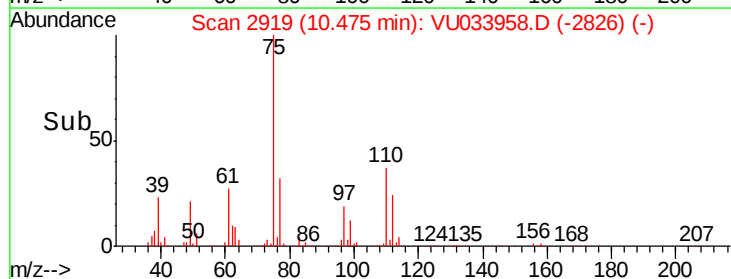
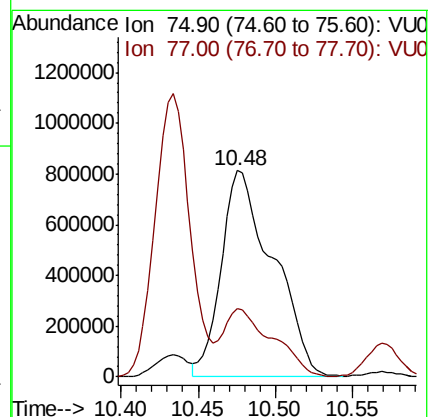
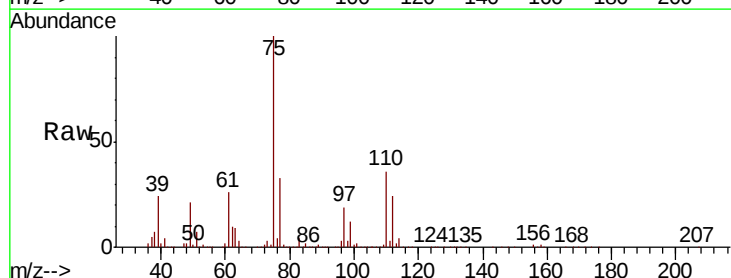
Acq: 26 Aug 2019 18:37

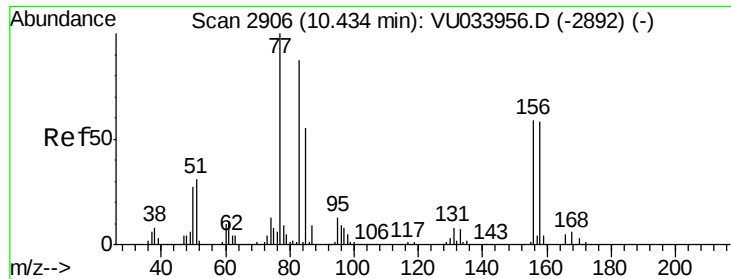
Tgt Ion: 75 Resp: 1888452

Ion Ratio Lower Upper

75 100

77 31.7 20.1 60.3





#77

Bromobenzene

Concen: 144.781 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

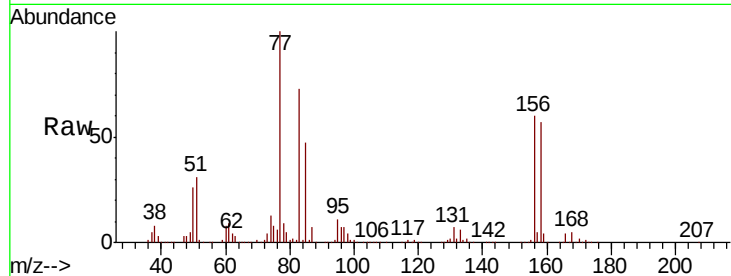
Tot Ion:156 Resp: 1046903

Ion Ratio Lower Upper

156 100

77 168.3 85.3 255.8

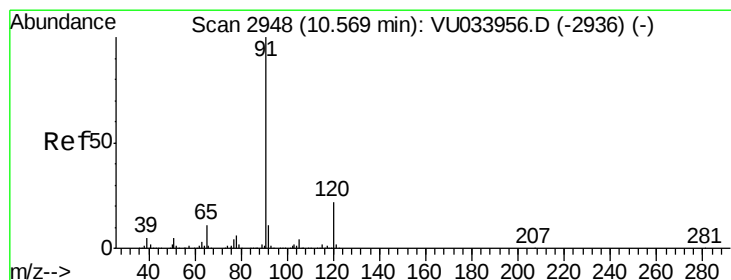
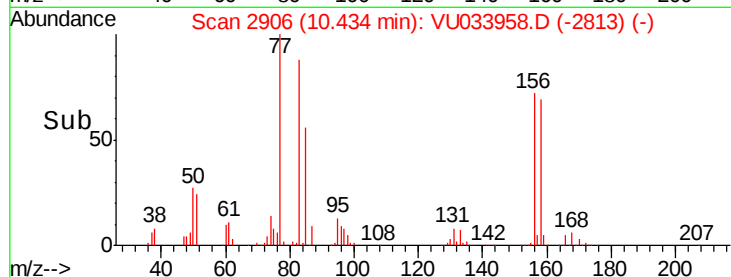
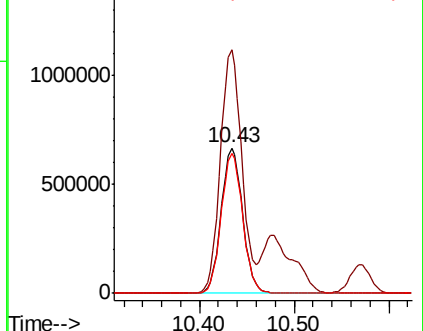
158 96.8 48.9 146.7



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: 131.619 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033958.D

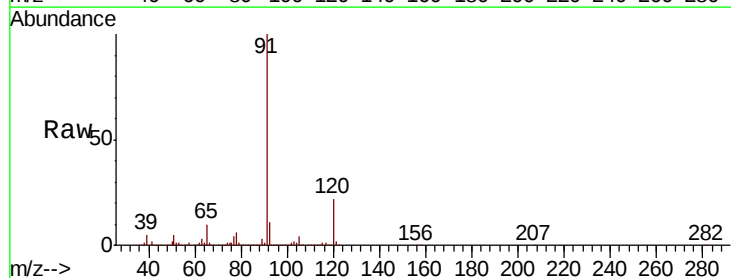
Acq: 26 Aug 2019 18:37

Tgt Ion: 91 Resp: 4982846

Ion Ratio Lower Upper

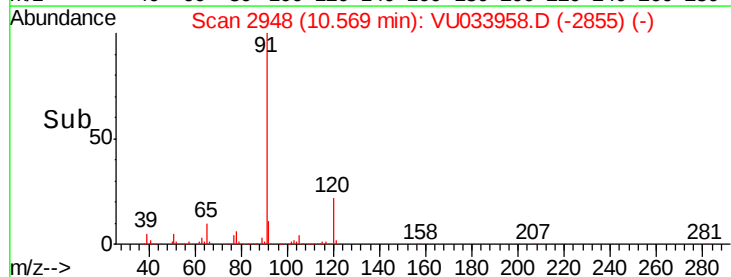
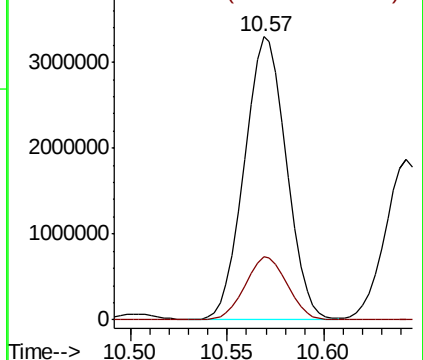
91 100

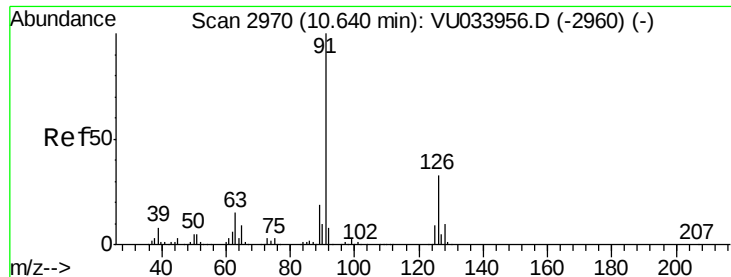
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 131.306 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

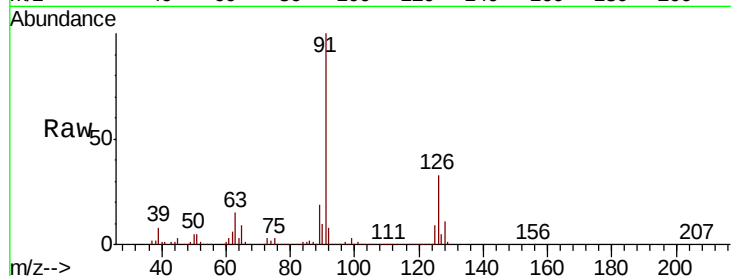
VSTDIC150

Tot Ion: 91 Resp: 2864057

Ion Ratio Lower Upper

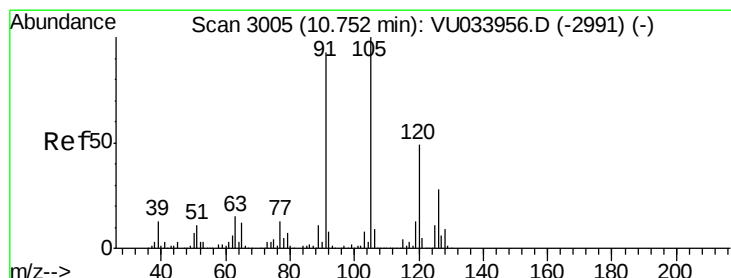
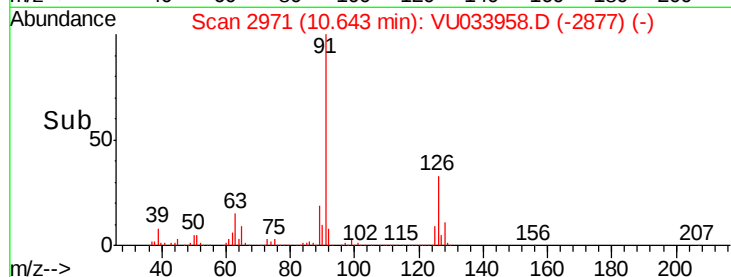
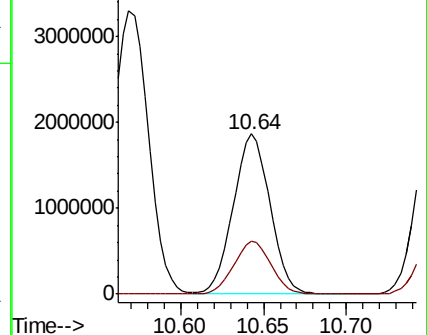
91 100

126 33.4 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VU033958.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033958.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 141.933 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033958.D

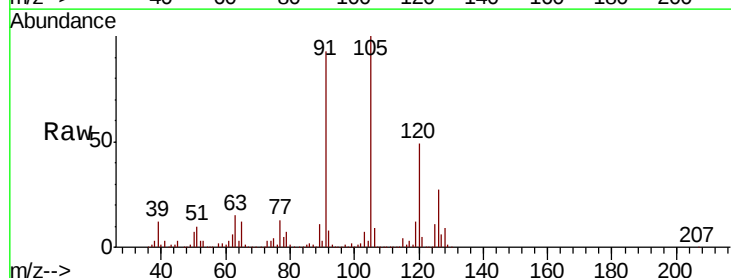
Acq: 26 Aug 2019 18:37

Tgt Ion: 105 Resp: 3607541

Ion Ratio Lower Upper

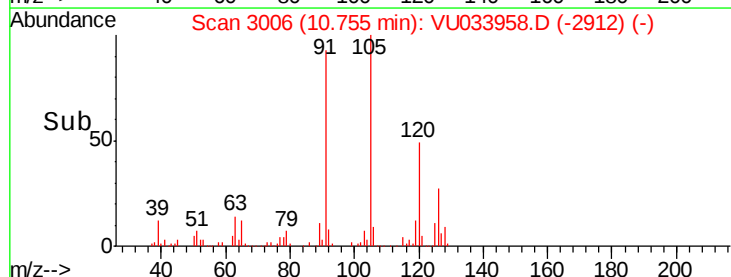
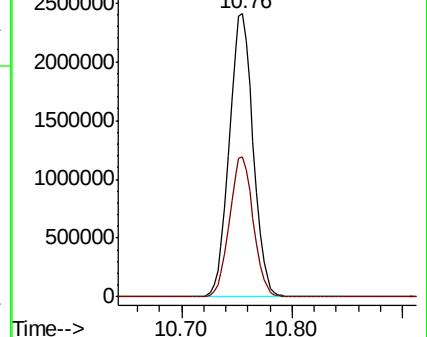
105 100

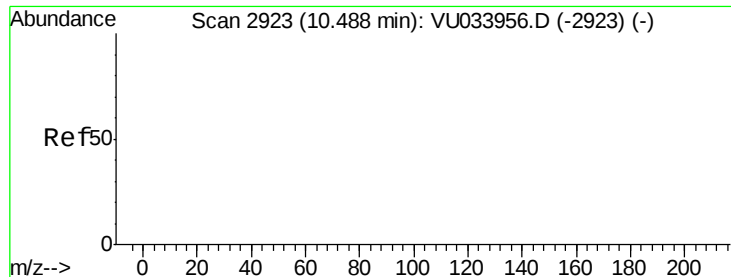
120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033958.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033958.D (-2991) (-)

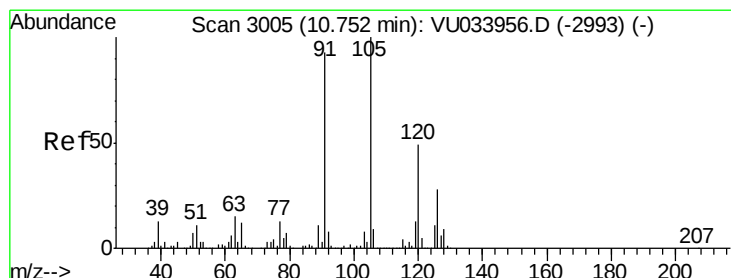
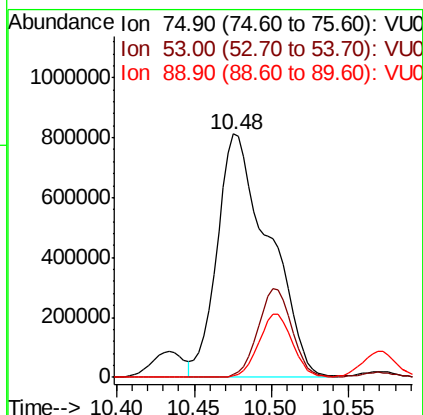
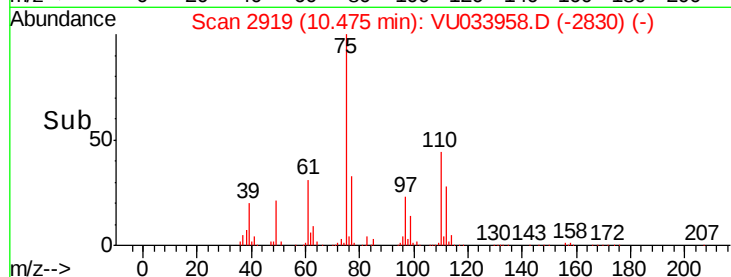
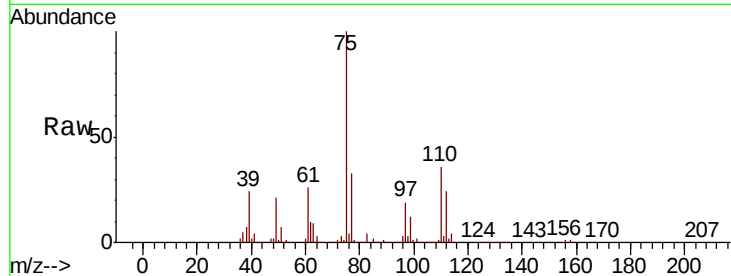




#81
trans-1,4-Dichloro-2-butene
Concen: 424.032 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

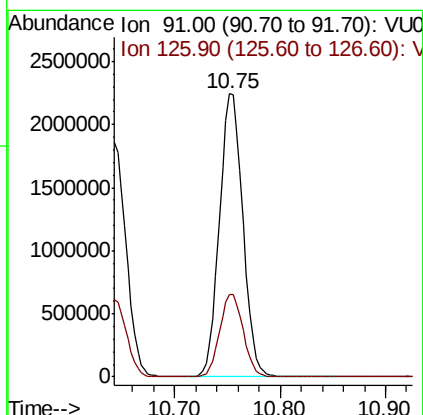
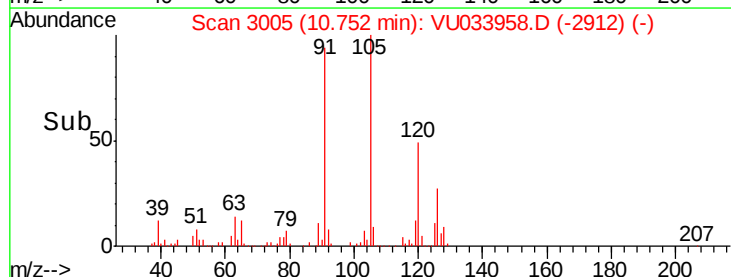
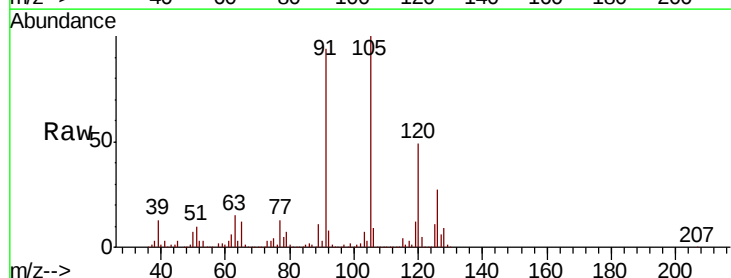
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

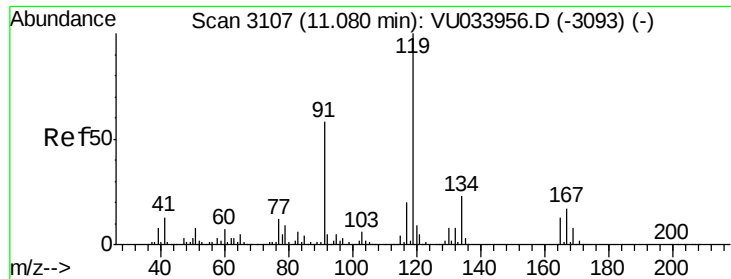
Tot Ion: 75 Resp: 1888374
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 132.902 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 91 Resp: 3445265
Ion Ratio Lower Upper
91 100
126 29.3 14.8 44.3

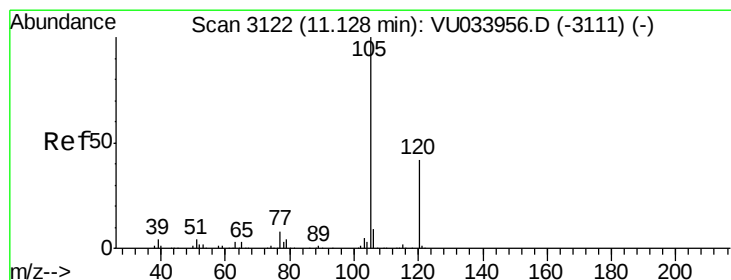
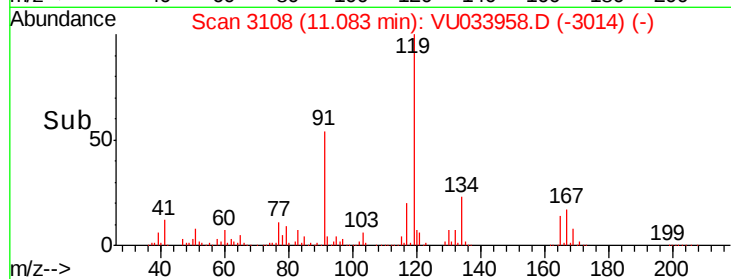
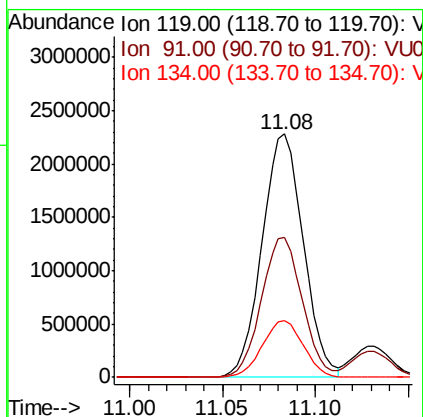
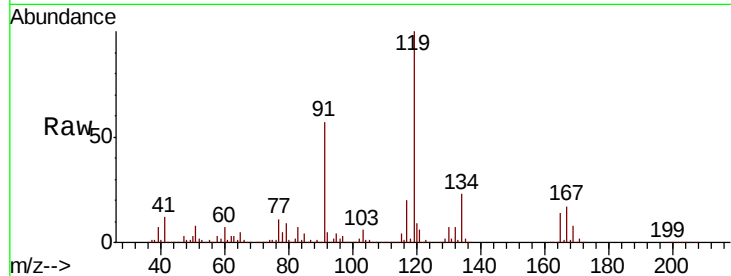




#83
 tert-Butylbenzene
 Concen: 144.456 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

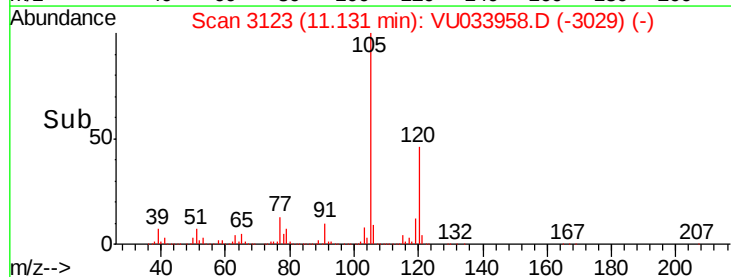
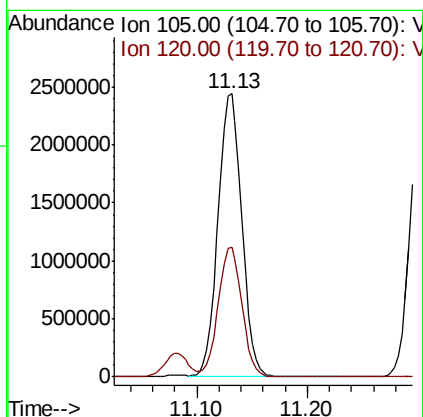
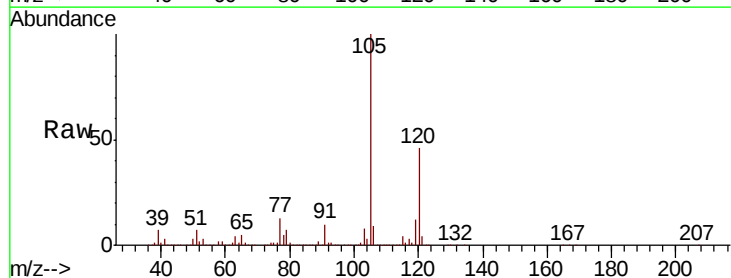
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

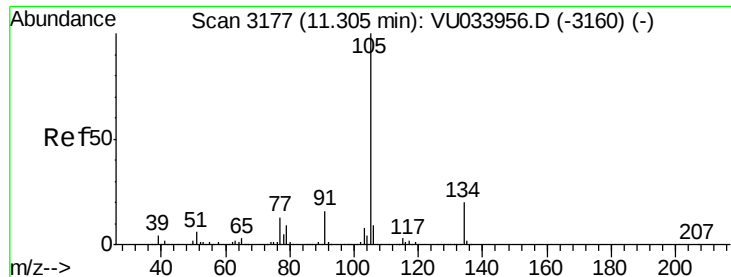
Tot Ion:119 Resp: 3530625
 Ion Ratio Lower Upper
 119 100
 91 56.8 28.6 85.8
 134 23.2 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 139.068 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:105 Resp: 3634896
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0

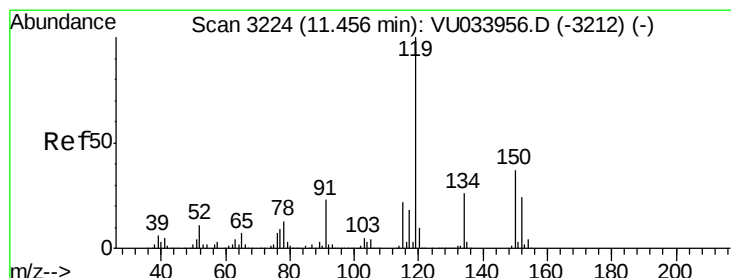
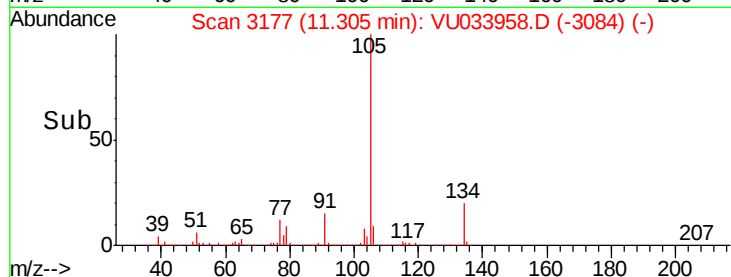
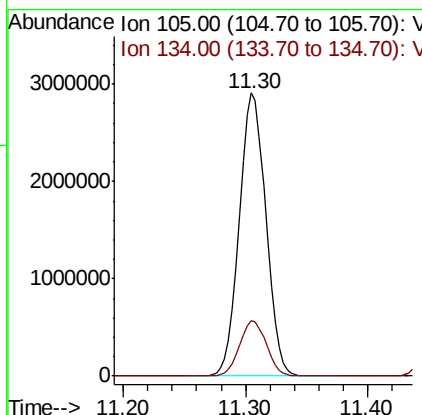
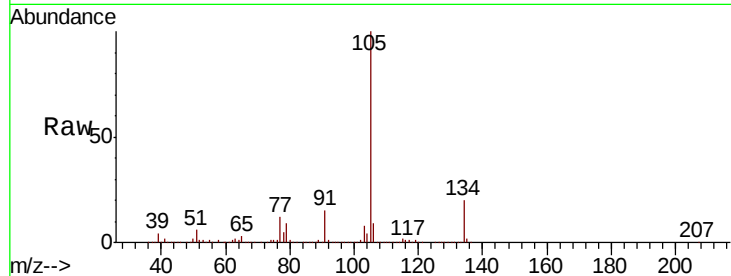




#85
 sec-Butylbenzene
 Concen: 139.470 ug/l
 RT: 11.30 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

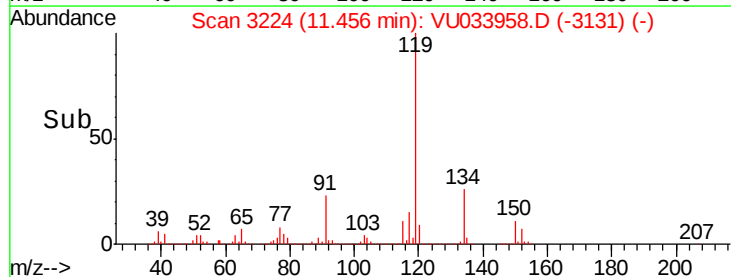
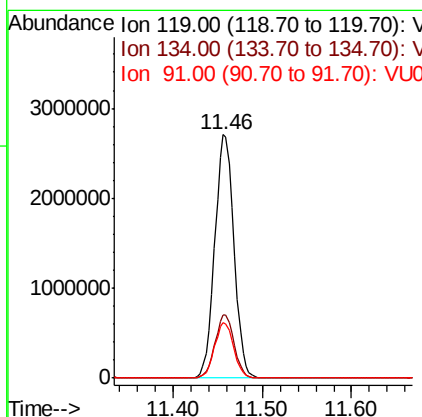
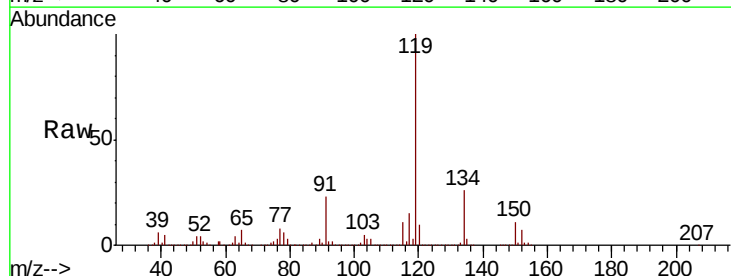
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

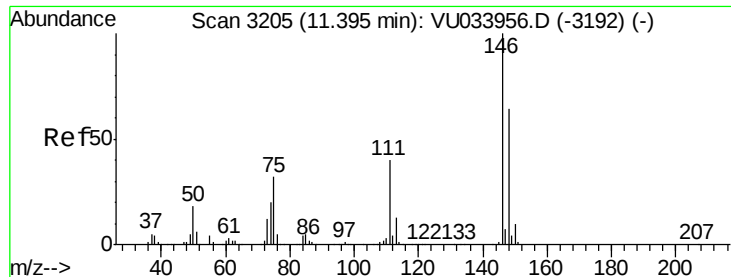
Tot Ion:105 Resp: 4355372
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 149.069 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:119 Resp: 4008409
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 22.8 11.6 34.7

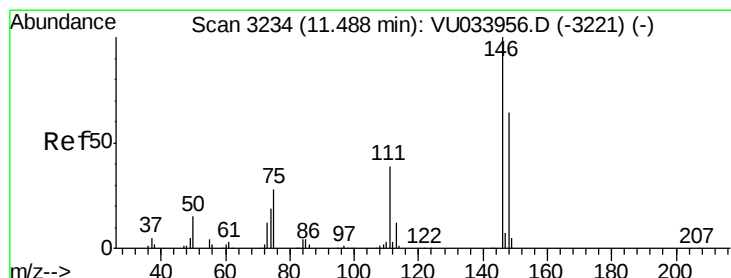
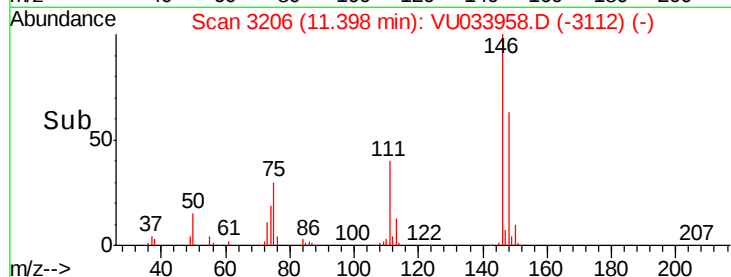
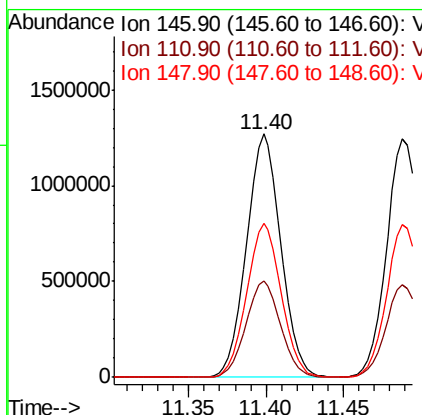
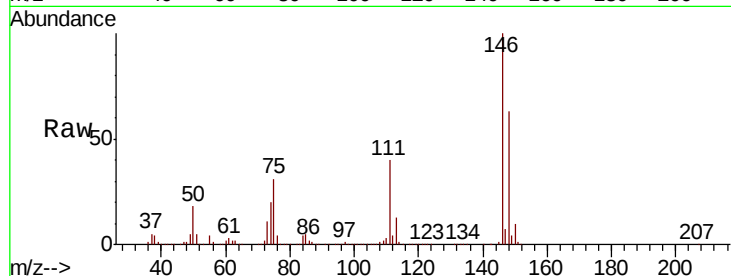




#87
 1,3-Dichlorobenzene
 Concen: 143.433 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

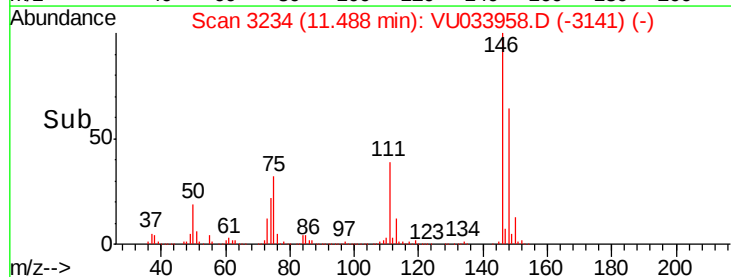
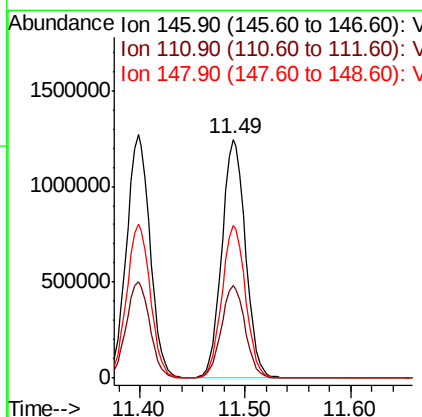
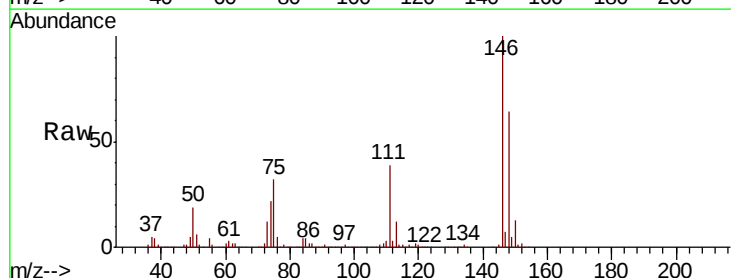
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

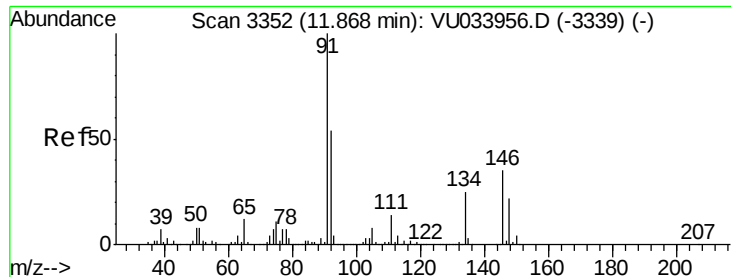
Tot Ion:146 Resp: 1960472
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.1 60.2
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 136.541 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:146 Resp: 1926965
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.8 59.4
 148 64.0 32.2 96.6

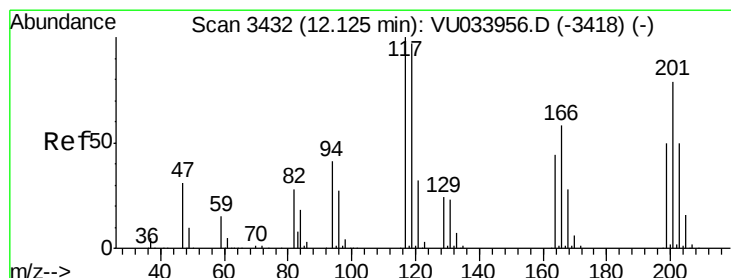
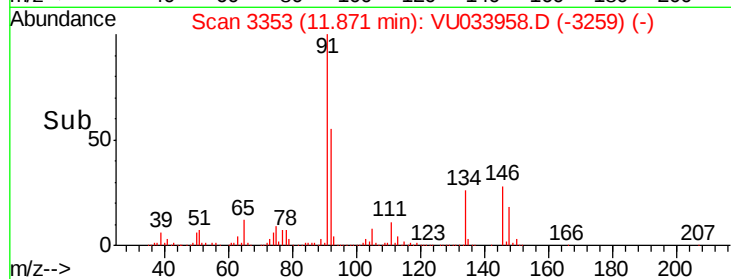
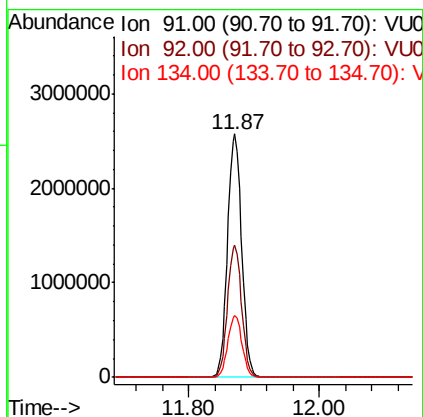
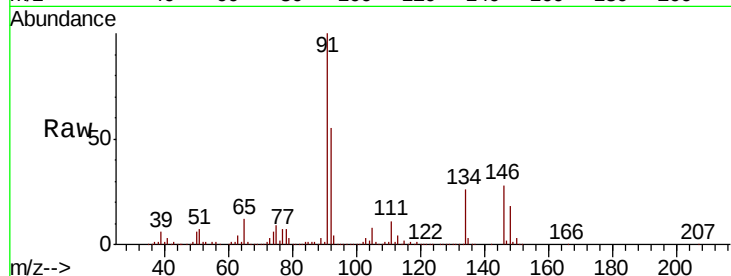




#89
n-Butylbenzene
Concen: 142.770 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

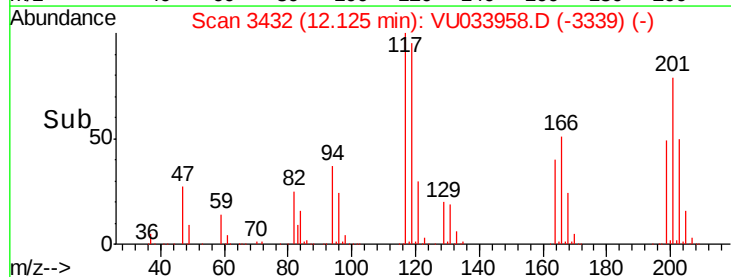
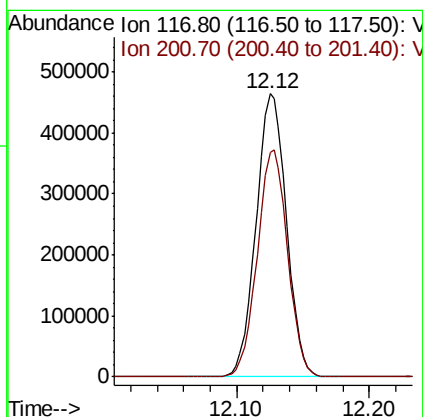
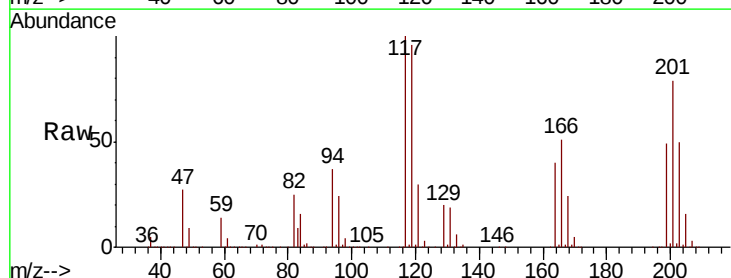
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

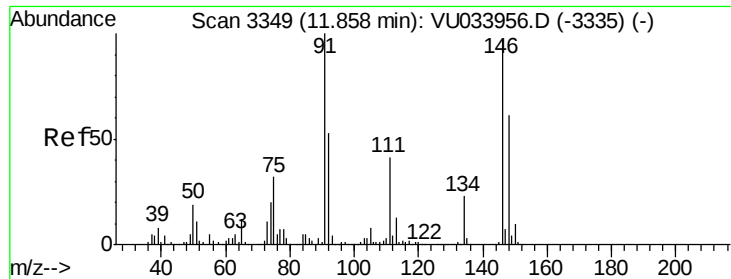
Tot Ion: 91 Resp: 3837233
Ion Ratio Lower Upper
91 100
92 54.4 26.9 80.6
134 25.5 12.6 37.6



#90
Hexachloroethane
Concen: 177.151 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033958.D
Acq: 26 Aug 2019 18:37

Tgt Ion: 117 Resp: 738616
Ion Ratio Lower Upper
117 100
201 80.0 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 140.393 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

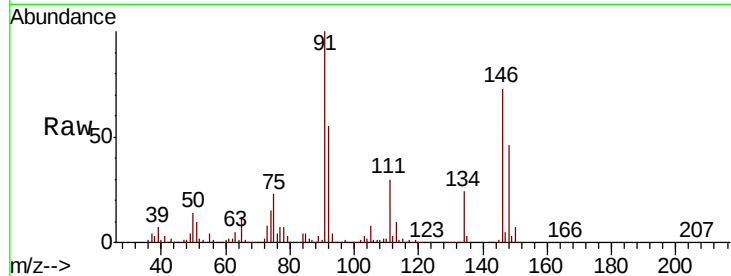
Tot Ion:146 Resp: 1912314

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.1

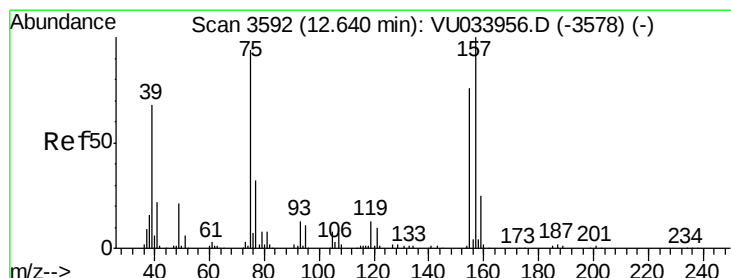
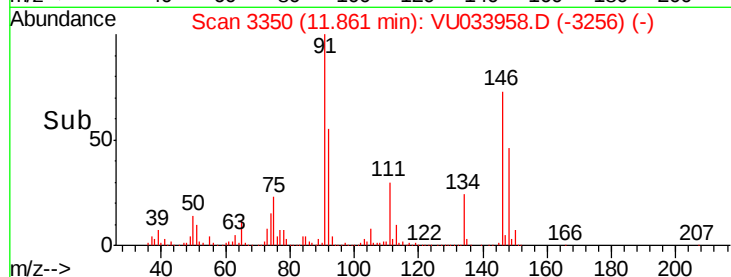
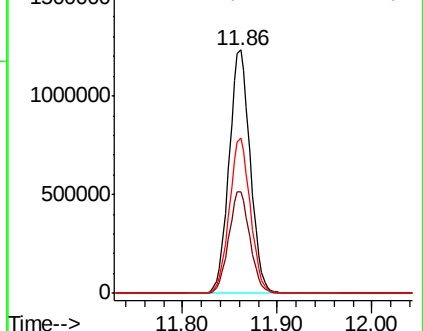
148 63.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 151.389 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

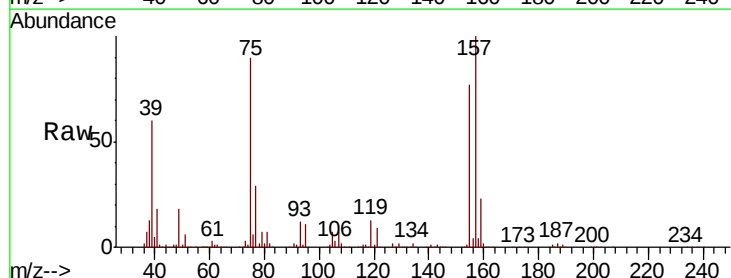
Tgt Ion: 75 Resp: 384939

Ion Ratio Lower Upper

75 100

155 84.4 40.0 119.9

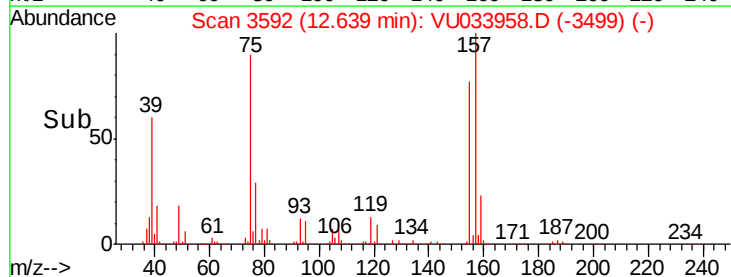
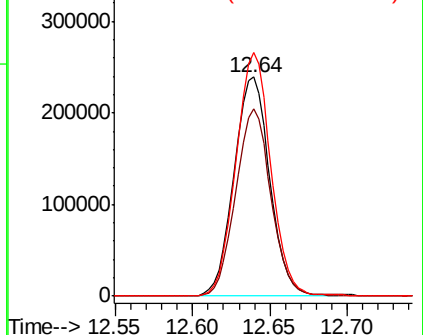
157 108.4 51.9 155.7

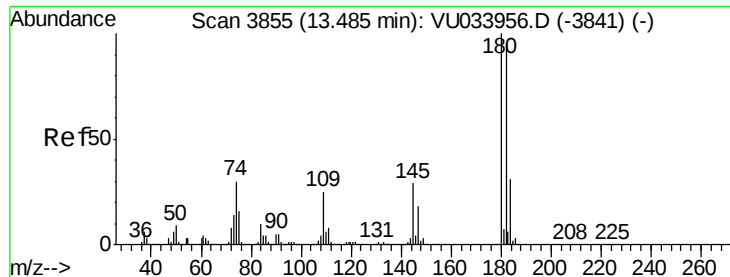


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

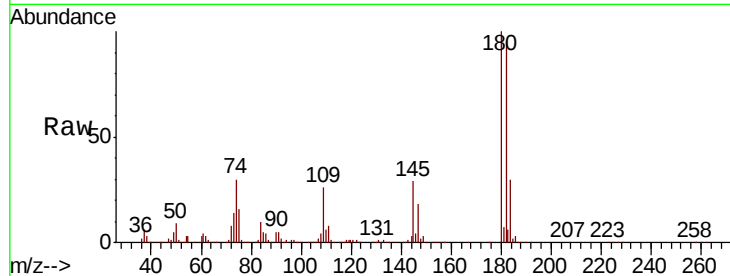




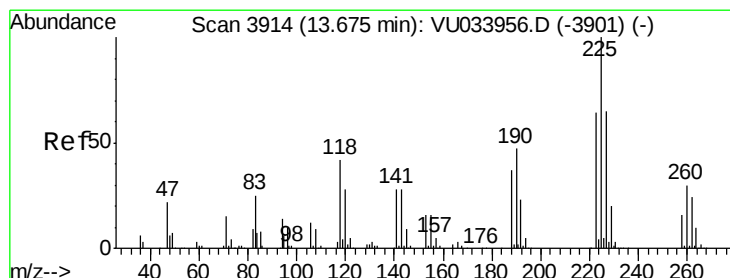
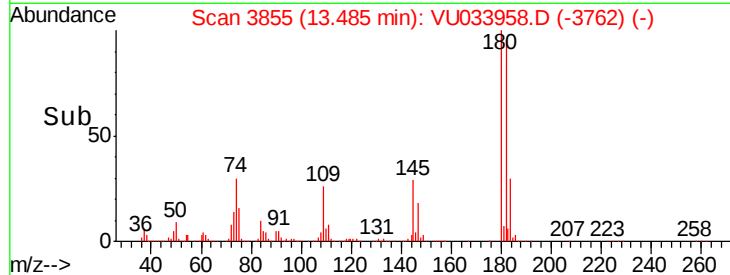
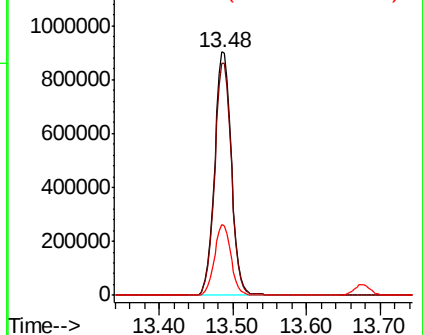
#93
 1,2,4-Trichlorobenzene
 Concen: 145.251 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1414632
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.3
 145 28.8 14.2 42.8

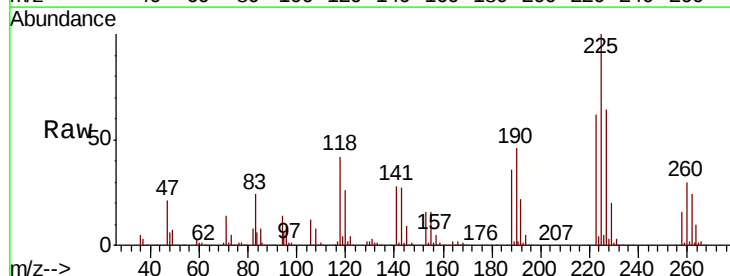


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

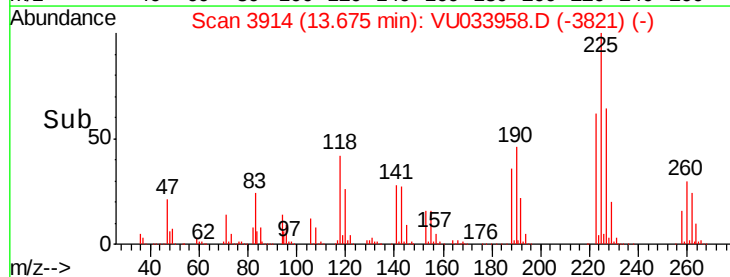
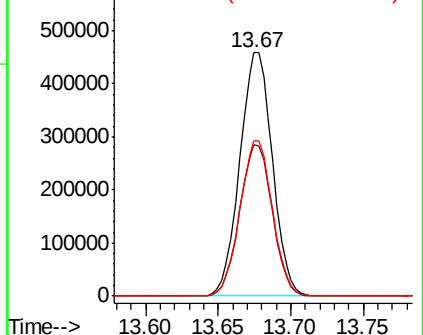


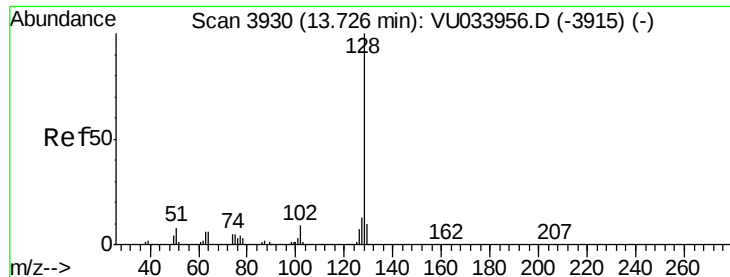
#94
 Hexachlorobutadiene
 Concen: 157.209 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033958.D
 Acq: 26 Aug 2019 18:37

Tgt Ion:225 Resp: 717148
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.0
 227 63.6 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: 135.625 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

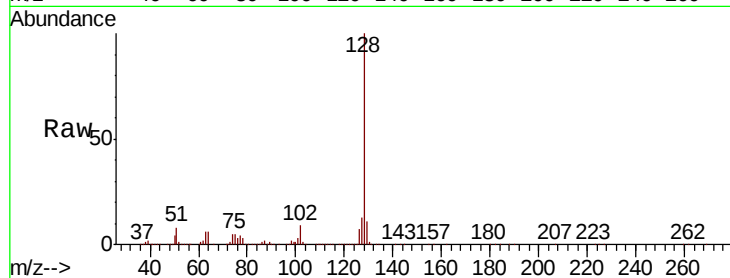
Tot Ion:128 Resp: 4328765

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

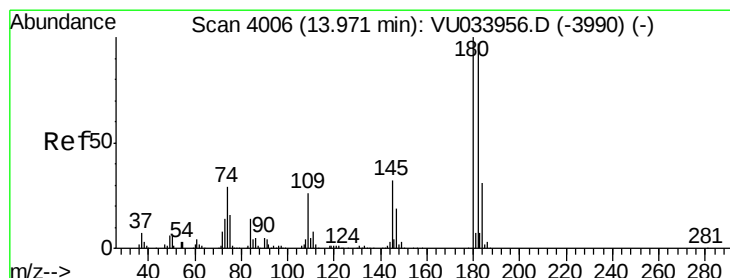
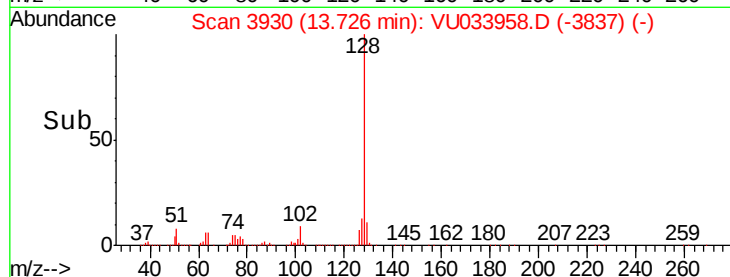
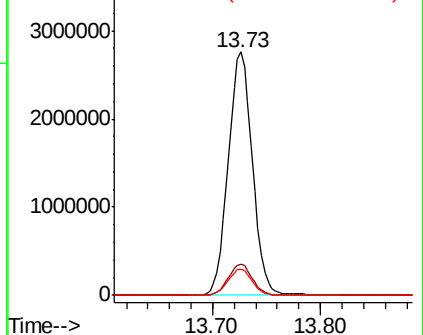
129 10.7 8.3 12.5



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: 140.584 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. -0.00 min

Lab File: VU033958.D

Acq: 26 Aug 2019 18:37

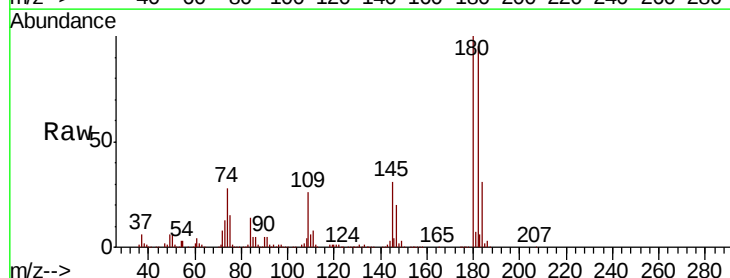
Tgt Ion:180 Resp: 1372642

Ion Ratio Lower Upper

180 100

182 95.4 48.6 145.8

145 31.3 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

