

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033955.D
 Acq On : 26 Aug 2019 17:27
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 27 06:02:49 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	4.96	168	371597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	594588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	580170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	115350	20.79	ug/l	0.00
Spiked Amount			Recovery	=	41.58%	
35) Dibromofluoromethane	4.86	113	87162	23.21	ug/l	0.00
Spiked Amount			Recovery	=	46.42%	
50) Toluene-d8	7.55	98	332510	22.53	ug/l	0.00
Spiked Amount			Recovery	=	45.06%	
62) 4-Bromofluorobenzene	10.29	95	117752	21.34	ug/l	0.00
Spiked Amount			Recovery	=	42.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	90884	18.589	ug/l	99
3) Chloromethane	1.32	50	108026	12.586	ug/l	99
4) Vinyl Chloride	1.40	62	116385	17.974	ug/l	100
5) Bromomethane	1.61	94	73042	26.914	ug/l	97
6) Chloroethane	1.69	64	74047	20.017	ug/l	99
7) Trichlorofluoromethane	1.87	101	140208	20.195	ug/l	99
8) Diethyl Ether	2.09	74	57635	17.968	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	82935	20.075	ug/l	100
10) Methyl Iodide	2.40	142	78678	20.858	ug/l	99
11) Tert butyl alcohol	2.80	59	103271	83.505	ug/l	99
12) 1,1-Dichloroethene	2.27	96	81099	19.698	ug/l	98
13) Acrolein	2.18	56	65141	69.371	ug/l	99
14) Allyl chloride	2.58	41	134531	14.343	ug/l	99
15) Acrylonitrile	2.91	53	299778	87.626	ug/l	98
16) Acetone	2.30	43	309072	85.567	ug/l	99
17) Carbon Disulfide	2.46	76	266841	18.155	ug/l	99
18) Methyl Acetate	2.60	43	140203	15.351	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	260600	16.974	ug/l	98
20) Methylene Chloride	2.68	84	98412	18.172	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	91640	19.748	ug/l	100
22) Diisopropyl ether	3.54	45	300001	16.384	ug/l	93
23) Vinyl Acetate	3.50	43	1221585	80.205	ug/l	99
24) 1,1-Dichloroethane	3.42	63	172815	17.716	ug/l	98
25) 2-Butanone	4.23	43	409878	83.507	ug/l	99
26) 2,2-Dichloropropane	4.20	77	138663	17.853	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	96754	18.566	ug/l	99
28) Bromochloromethane	4.52	49	88831	20.100	ug/l	99
29) Tetrahydrofuran	4.61	42	253298	80.717	ug/l	99
30) Chloroform	4.65	83	169120	19.665	ug/l	100
31) Cyclohexane	4.97	56	153805	13.542	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	141090	19.719	ug/l	99
36) 1,1-Dichloropropene	5.11	75	122252	18.960	ug/l	99
37) Ethyl Acetate	4.35	43	144735	17.629	ug/l	99
38) Carbon Tetrachloride	5.11	117	122178	22.792	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	132752	16.939	ug/l	96
40) Benzene	5.37	78	373867	19.657	ug/l	99
41) Methacrylonitrile	4.52	41	75855	16.952	ug/l	100
42) 1,2-Dichloroethane	5.38	62	137893	20.544	ug/l	100
43) Isopropyl Acetate	5.52	43	211354	16.384	ug/l	100
44) Trichloroethene	6.16	130	92978	21.498	ug/l	100
45) 1,2-Dichloropropane	6.41	63	101989	19.221	ug/l	99
46) Dibromomethane	6.54	93	65997	20.644	ug/l	98
47) Bromodichloromethane	6.74	83	132603	21.128	ug/l	100
48) Methyl methacrylate	6.60	41	98211	15.409	ug/l	97
49) 1,4-Dioxane	6.59	88	43163	405.044	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	744056	90.230	ug/l	99
52) Toluene	7.62	92	224684	19.998	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	139175	18.885	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	151655	18.944	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	92805	20.769	ug/l	98
56) Ethyl methacrylate	8.00	69	122622	16.349	ug/l	100
57) 1,3-Dichloropropane	8.22	76	167670	20.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	215263	58.382	ug/l	99
59) 2-Hexanone	8.34	43	562595	86.259	ug/l	98
60) Dibromochloromethane	8.46	129	97011	21.763	ug/l	99
61) 1,2-Dibromoethane	8.57	107	98619	20.974	ug/l	98
64) Tetrachloroethene	8.21	164	83913	21.519	ug/l	99
65) Chlorobenzene	9.10	112	237305	19.323	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	89870	22.497	ug/l	97
67) Ethyl Benzene	9.23	91	395348	17.634	ug/l	99
68) m/p-Xylenes	9.36	106	304630	37.249	ug/l	100
69) o-Xylene	9.76	106	138057	17.418	ug/l	97
70) Styrene	9.77	104	249576	18.802	ug/l	99
71) Bromoform	9.94	173	73257	21.562	ug/l #	97
73) Isopropylbenzene	10.15	105	385215	16.653	ug/l	100
74) N-amyl acetate	10.00	43	161134	12.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159953	18.014	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	181097	23.455	ug/l	87
77) Bromobenzene	10.43	156	99797	18.266	ug/l	99
78) n-propylbenzene	10.57	91	462727	16.177	ug/l	100
79) 2-Chlorotoluene	10.64	91	281792	17.098	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	337445	17.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	181097	53.820	ug/l #	100
82) 4-Chlorotoluene	10.75	91	325365	16.611	ug/l	100
83) tert-Butylbenzene	11.08	119	295712	16.013	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	329010	16.660	ug/l	100
85) sec-Butylbenzene	11.31	105	378932	16.060	ug/l	99
86) p-Isopropyltoluene	11.46	119	348011	17.129	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	185235	17.936	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	185150	17.363	ug/l	98
89) n-Butylbenzene	11.87	91	313421	15.434	ug/l	98
90) Hexachloroethane	12.13	117	64452	20.459	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	177278	17.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32559	16.947	ug/l	99

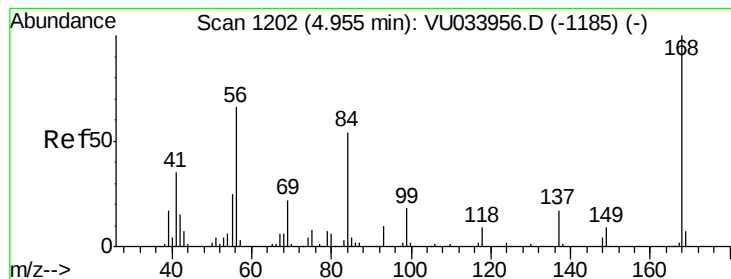
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	110534	15.021	ug/l	99
94) Hexachlorobutadiene	13.67	225	66624	19.330	ug/l	98
95) Naphthalene	13.73	128	290016	12.026	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	111248	15.080	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

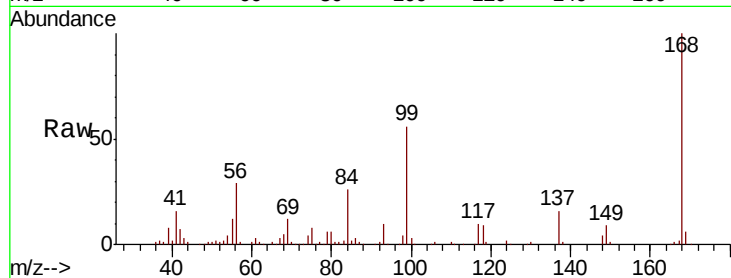
VSTDIC020

Tot Ion:168 Resp: 371597

Ion Ratio Lower Upper

168 100

99 56.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033955.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033955.D (-1185) (-)

4.96

150000

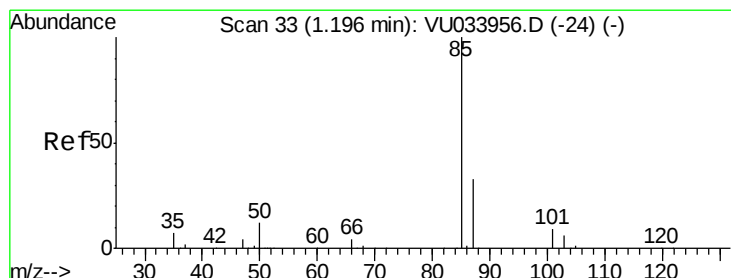
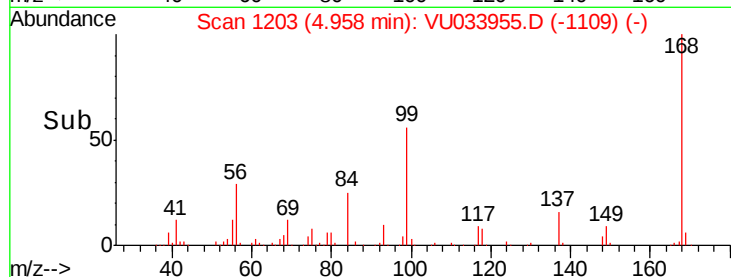
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.589 ug/l

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033955.D

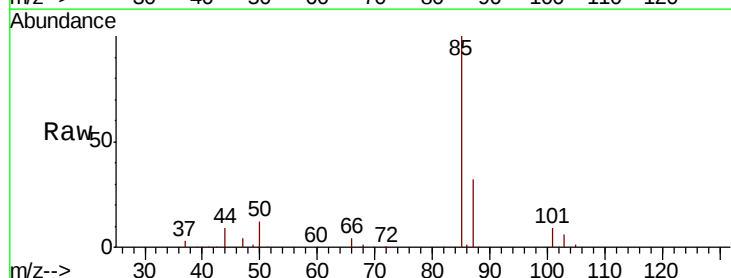
Acq: 26 Aug 2019 17:27

Tgt Ion: 85 Resp: 90884

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033955.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033955.D (-1) (-)

1.20

100000

80000

60000

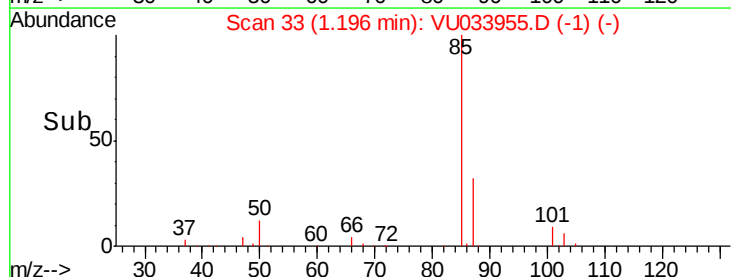
40000

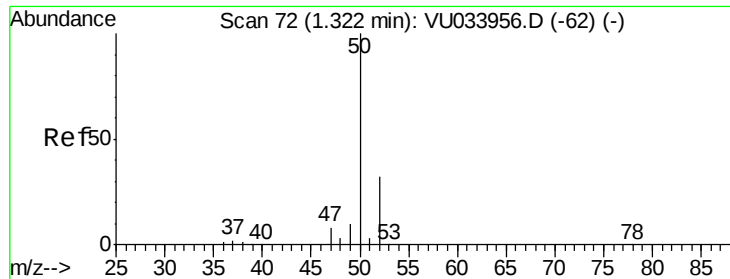
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 12.586 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

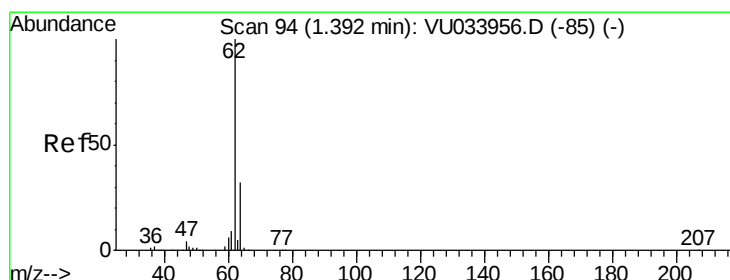
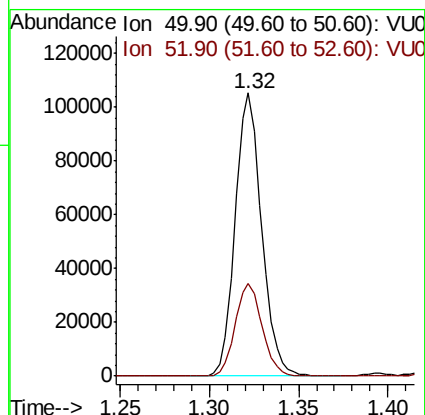
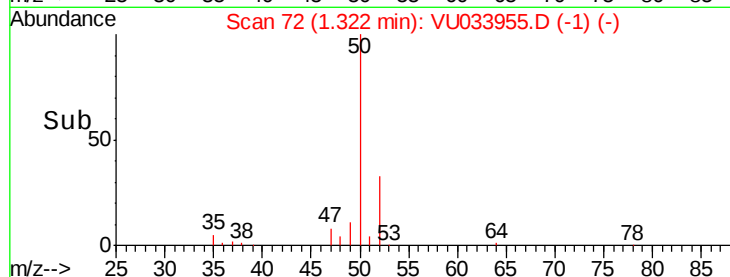
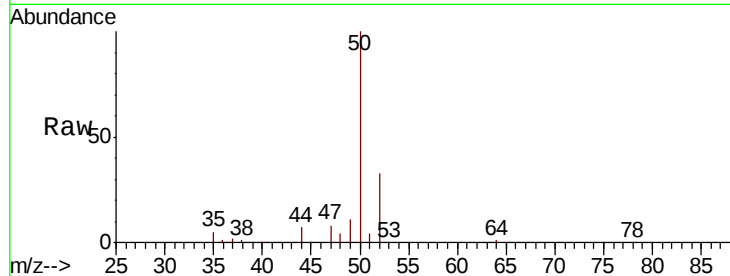
VSTDIC020

Tot Ion: 50 Resp: 108026

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



#4

Vinyl Chloride

Concen: 17.974 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033955.D

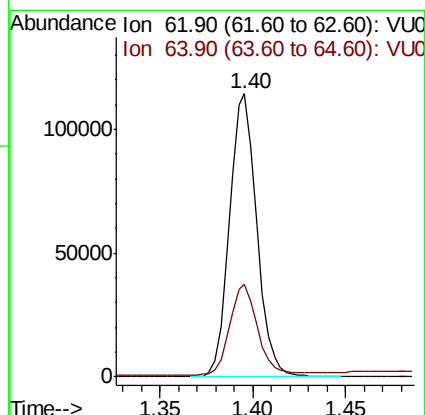
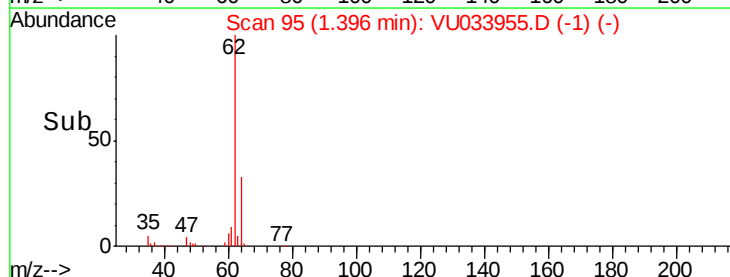
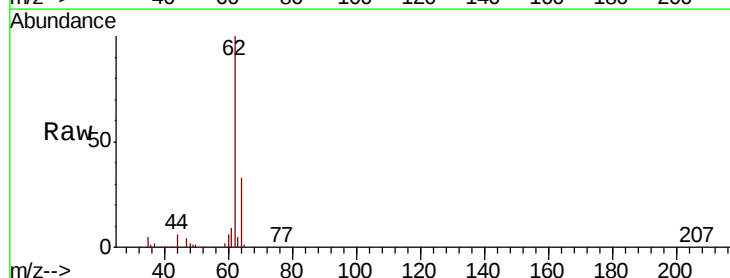
Acq: 26 Aug 2019 17:27

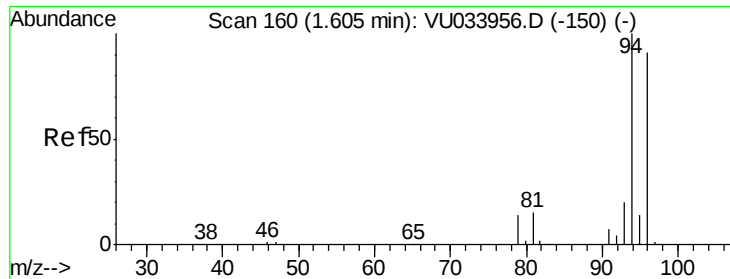
Tgt Ion: 62 Resp: 116385

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 26.914 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

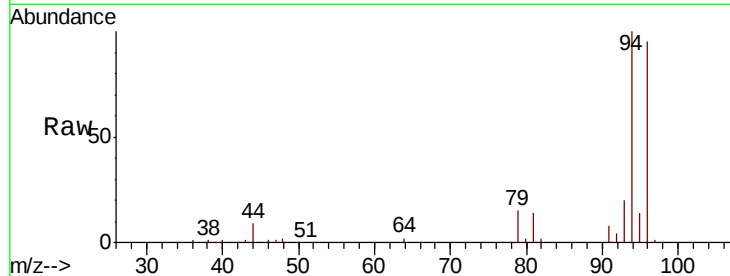
VSTDIC020

Tot Ion: 94 Resp: 73042

Ion Ratio Lower Upper

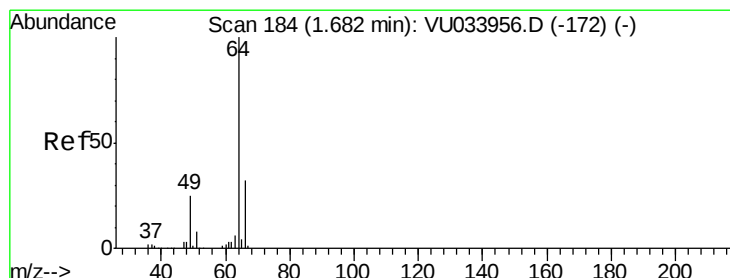
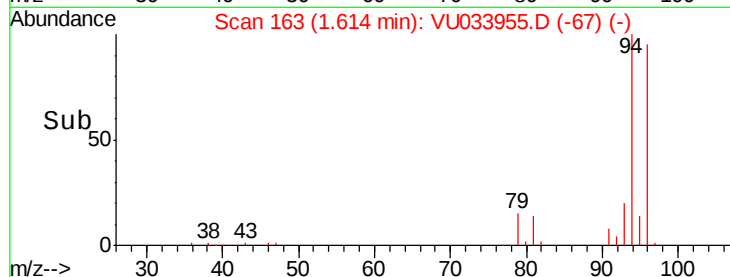
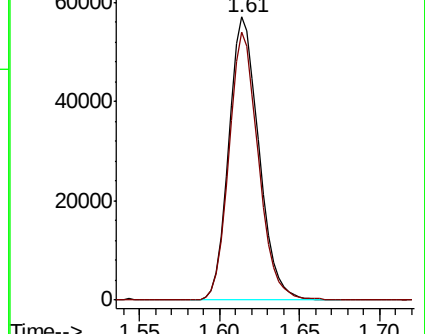
94 100

96 94.7 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU033955.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033955.D (-150) (-)



#6

Chloroethane

Concen: 20.017 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU033955.D

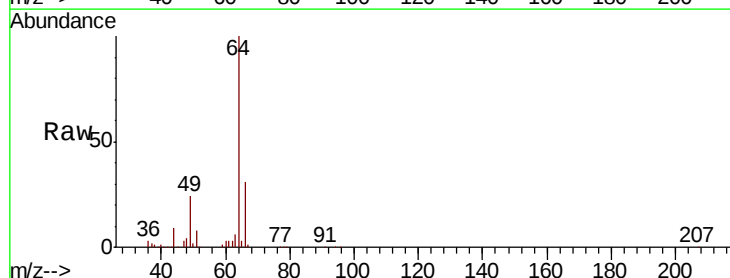
Acq: 26 Aug 2019 17:27

Tgt Ion: 64 Resp: 74047

Ion Ratio Lower Upper

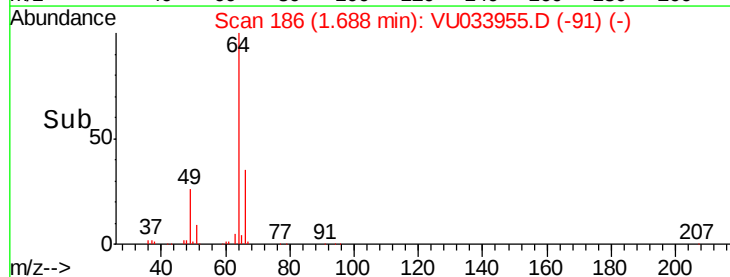
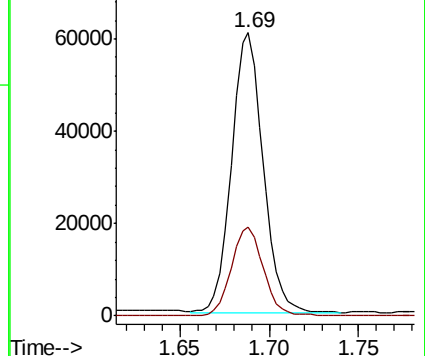
64 100

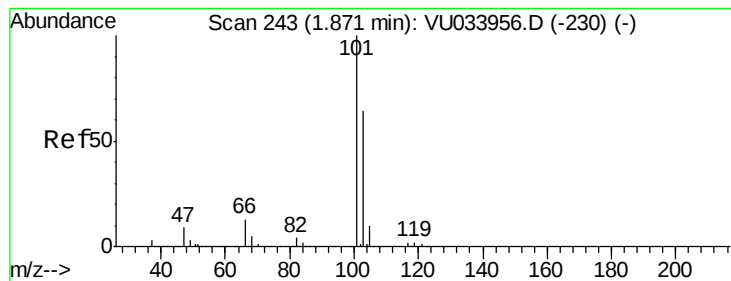
66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033955.D (-172) (-)

Ion 65.90 (65.60 to 66.60): VU033955.D (-172) (-)



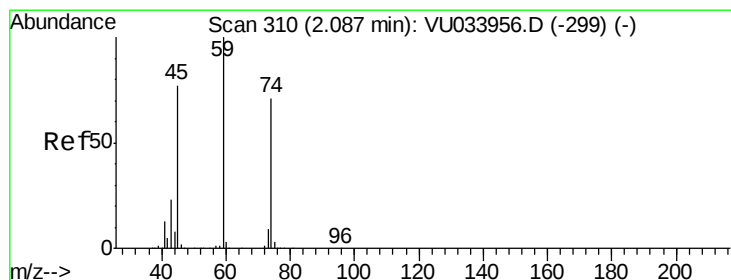
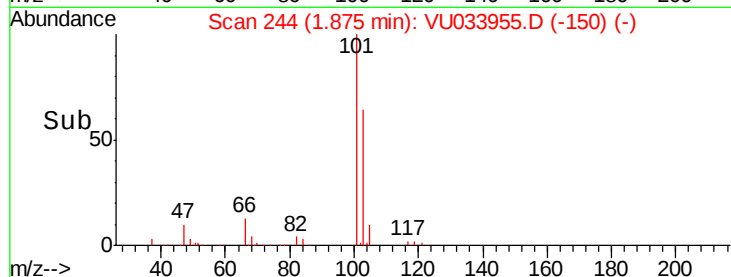
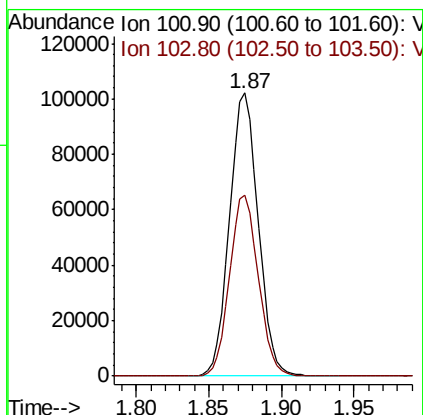
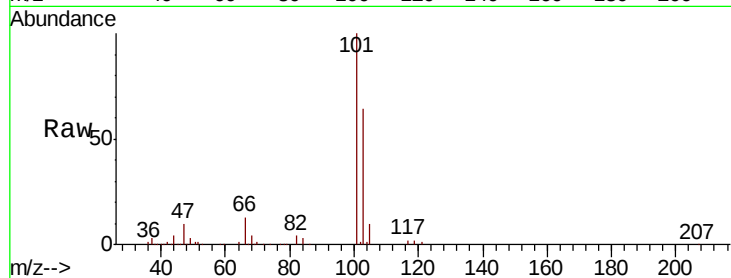


#7

Trichlorofluoromethane
 Concen: 20.195 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
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 VSTDIC020

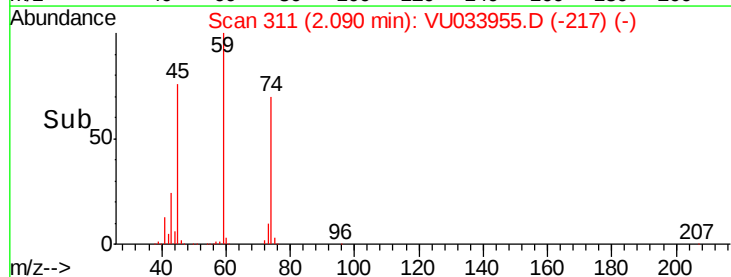
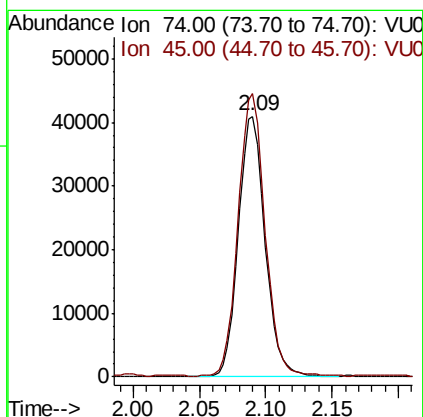
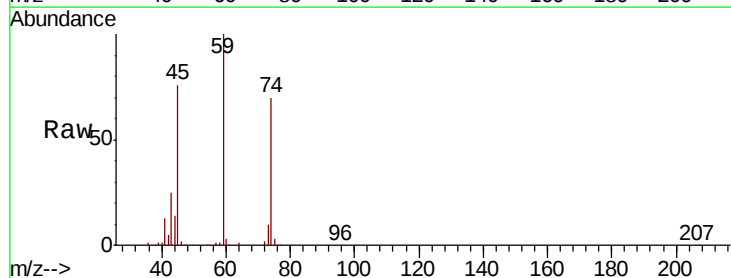
Tot Ion:101 Resp: 140208
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3

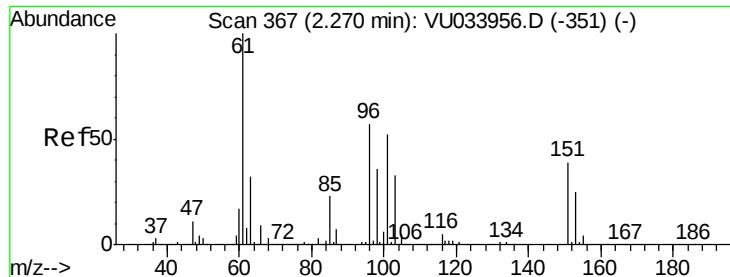


#8

Diethyl Ether
 Concen: 17.968 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion: 74 Resp: 57635
 Ion Ratio Lower Upper
 74 100
 45 108.2 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.075 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

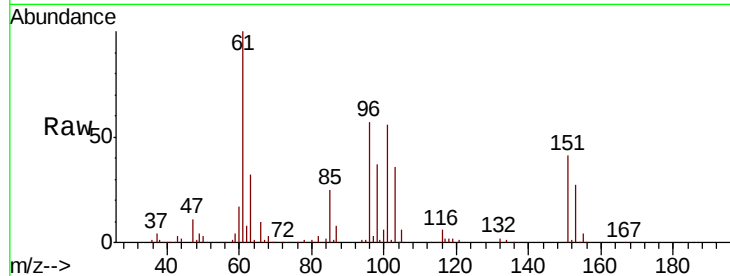
Tot Ion:101 Resp: 82935

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

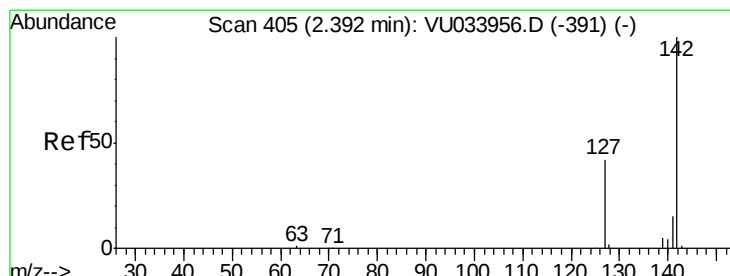
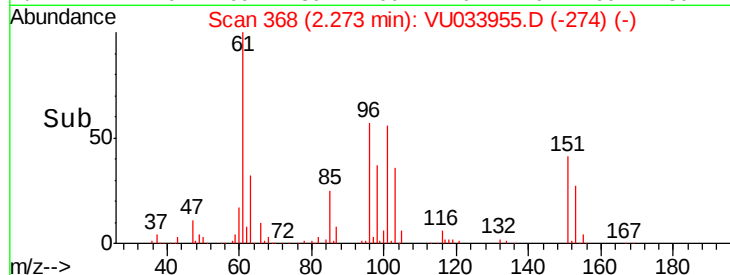
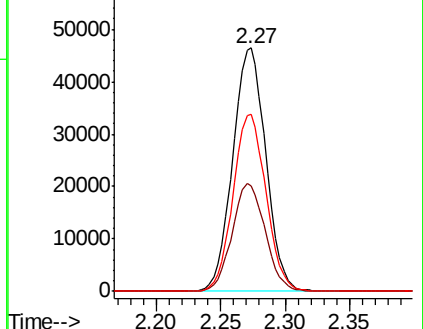
151 72.3 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.858 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

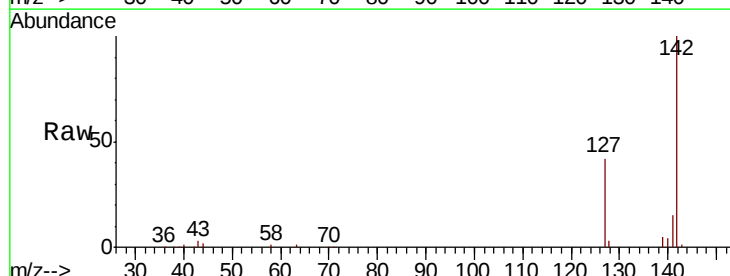
Tgt Ion:142 Resp: 78678

Ion Ratio Lower Upper

142 100

127 43.4 34.3 51.5

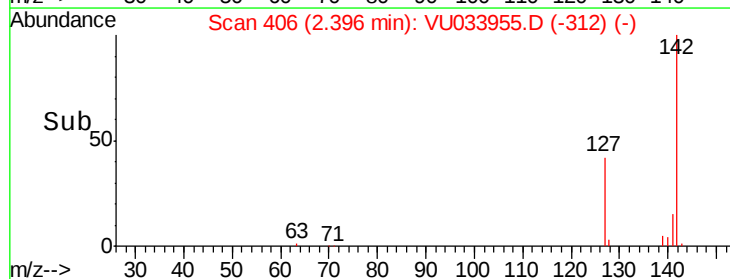
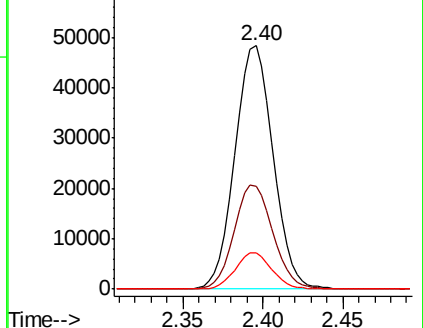
141 14.2 11.8 17.6

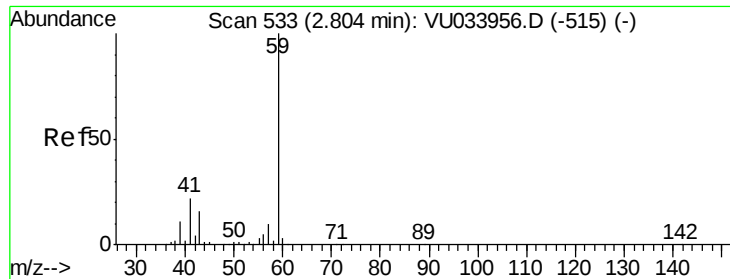


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

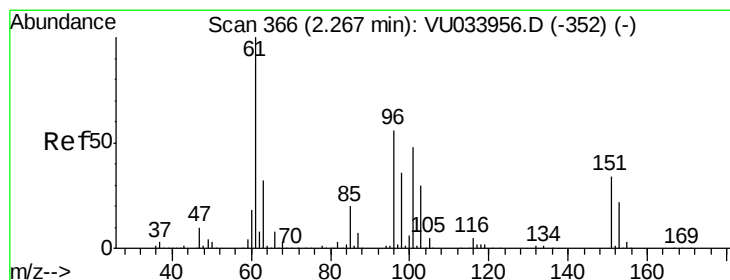
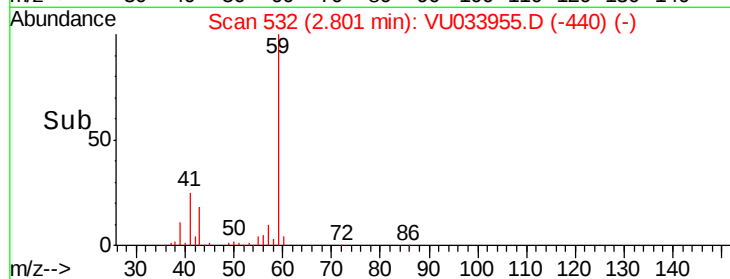
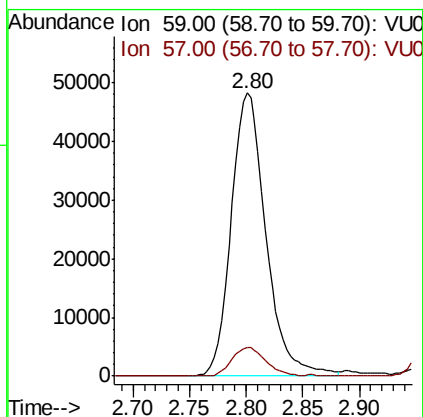
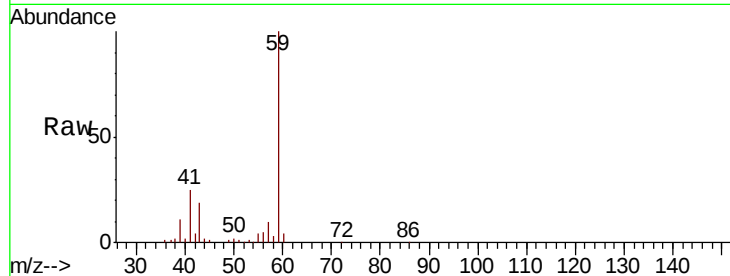




#11
Tert butyl alcohol
Concen: 83.505 ug/l
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

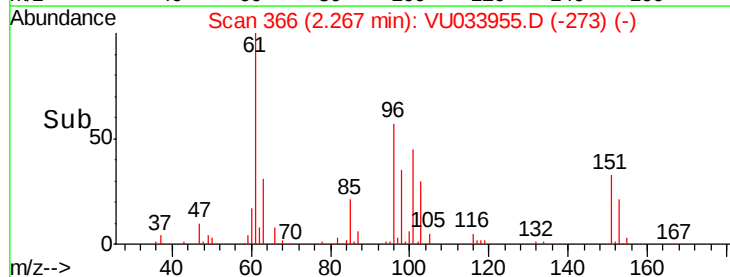
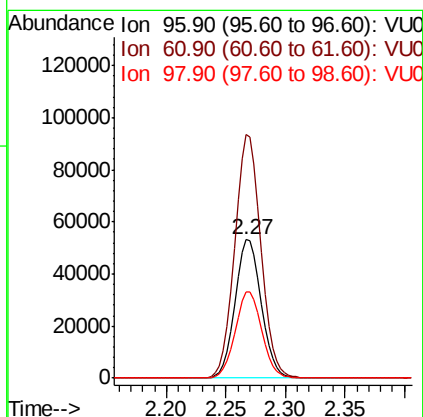
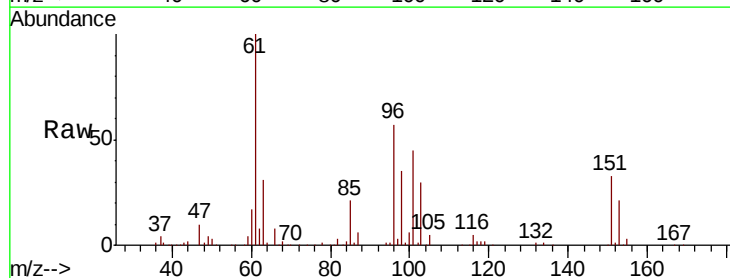
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

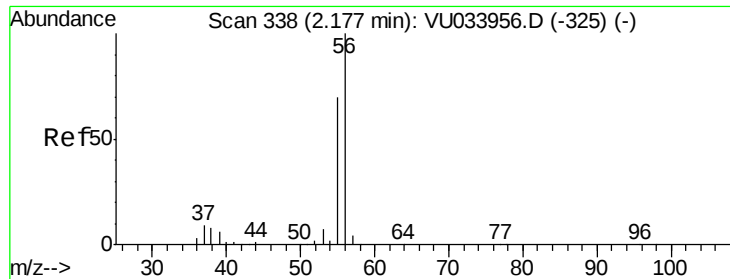
Tot Ion: 59 Resp: 103271
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.698 ug/l
RT: 2.27 min Scan# 366
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 96 Resp: 81099
Ion Ratio Lower Upper
96 100
61 176.0 142.3 213.5
98 62.1 51.0 76.6





#13

Acrolein

Concen: 69.371 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

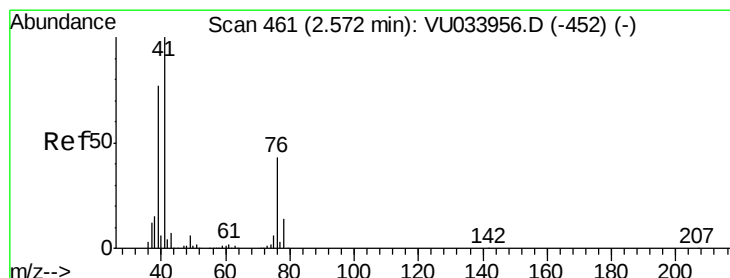
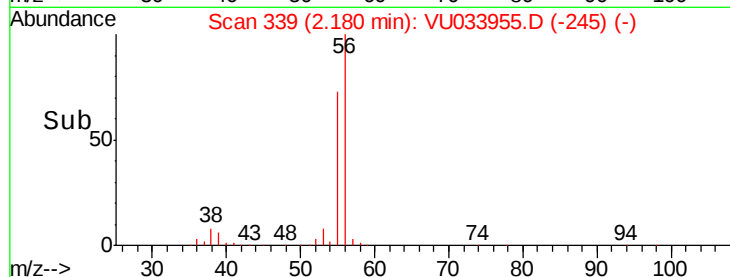
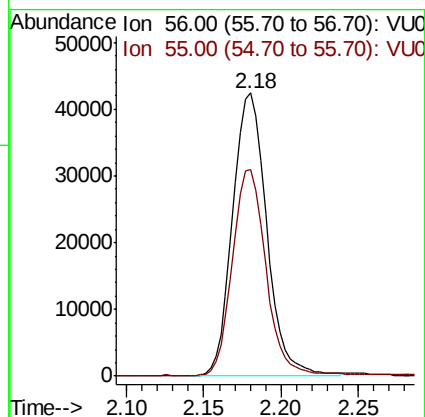
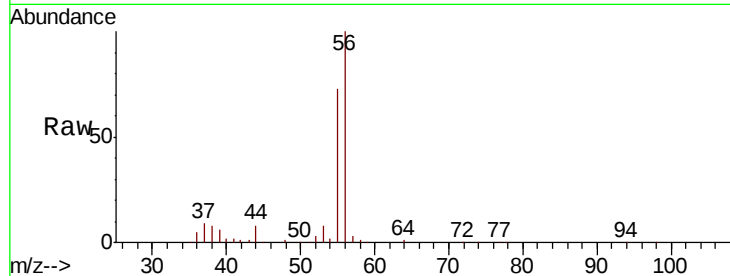
VSTDIC020

Tot Ion: 56 Resp: 65141

Ion Ratio Lower Upper

56 100

55 71.5 56.3 84.5



#14

Allyl chloride

Concen: 14.343 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

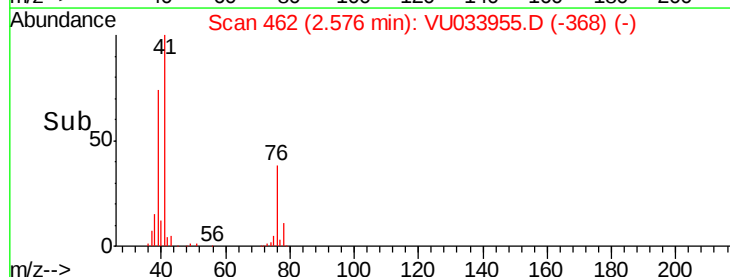
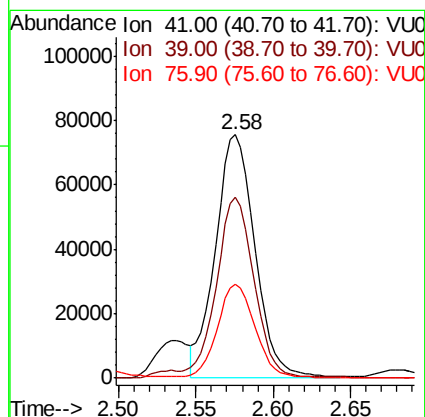
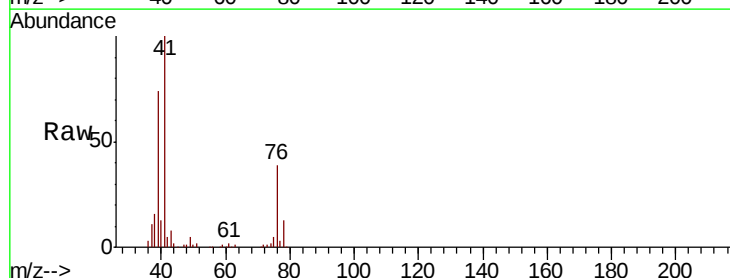
Tgt Ion: 41 Resp: 134531

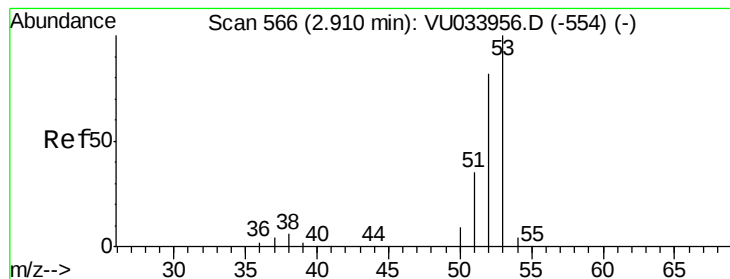
Ion Ratio Lower Upper

41 100

39 69.6 56.4 84.6

76 36.5 29.2 43.8





#15

Acrylonitrile

Concen: 87.626 ug/l

RT: 2.91 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

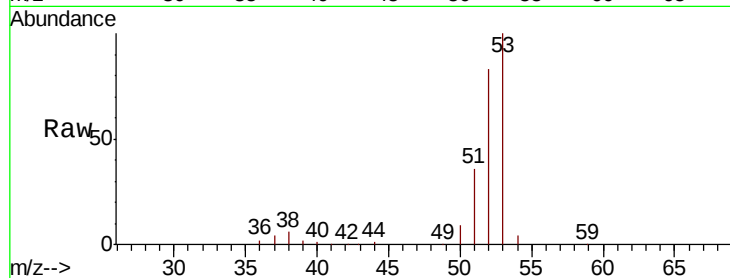
Tot Ion: 53 Resp: 299778

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

51 33.8 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VU033955.D (-554) (-)

Ion 52.00 (51.70 to 52.70): VU033955.D (-554) (-)

Ion 51.00 (50.70 to 51.70): VU033955.D (-554) (-)

2.91

150000

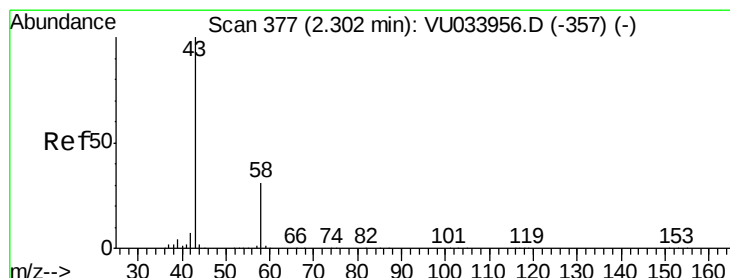
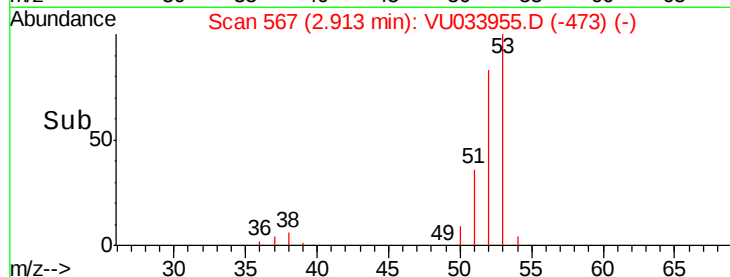
100000

50000

0

Time-->

2.80 2.90 3.00 3.10



#16

Acetone

Concen: 85.567 ug/l

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VU033955.D

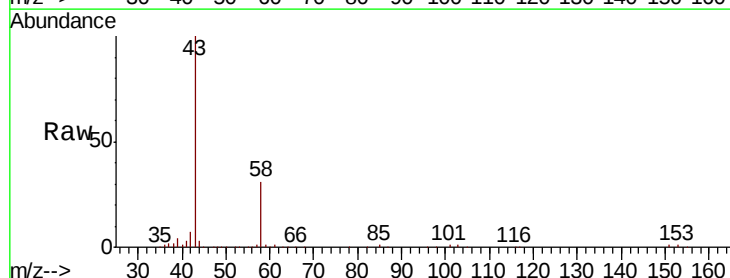
Acq: 26 Aug 2019 17:27

Tgt Ion: 43 Resp: 309072

Ion Ratio Lower Upper

43 100

58 31.2 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VU033955.D (-284) (-)

Ion 58.00 (57.70 to 58.70): VU033955.D (-284) (-)

2.30

200000

150000

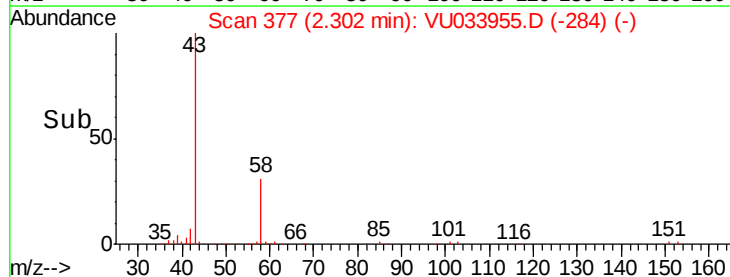
100000

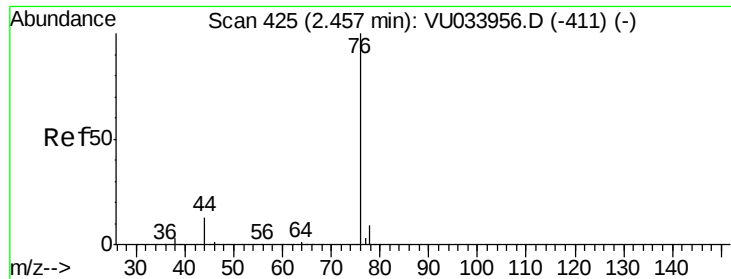
50000

0

Time-->

2.20 2.30 2.40

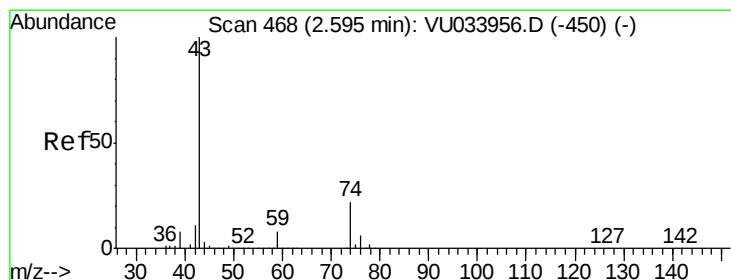
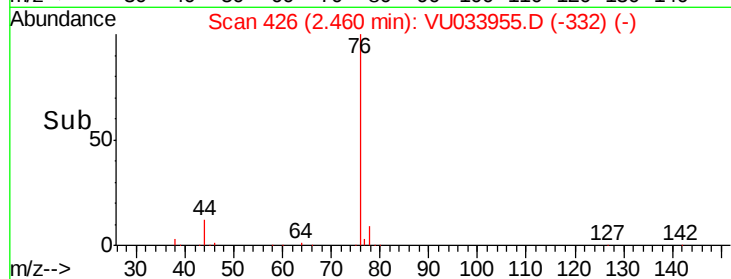
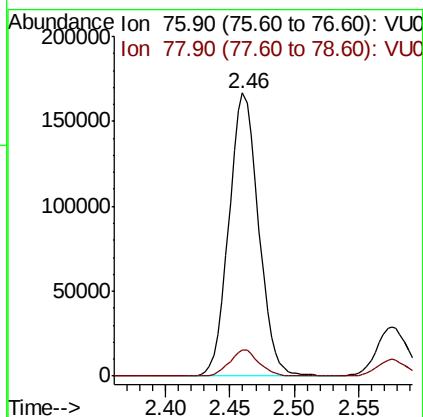
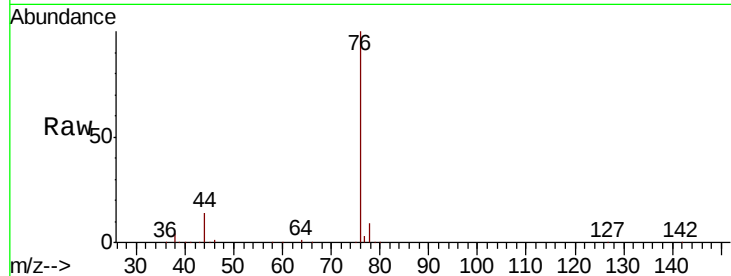




#17
Carbon Disulfide
Concen: 18.155 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

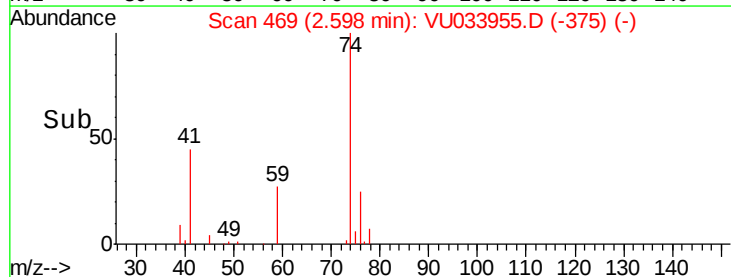
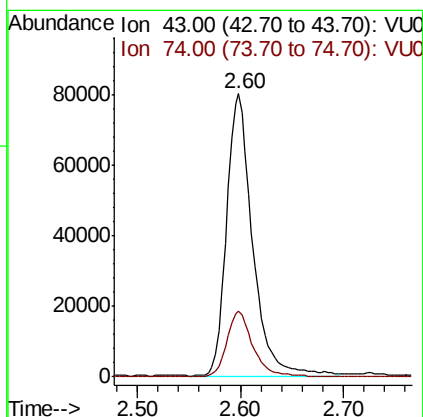
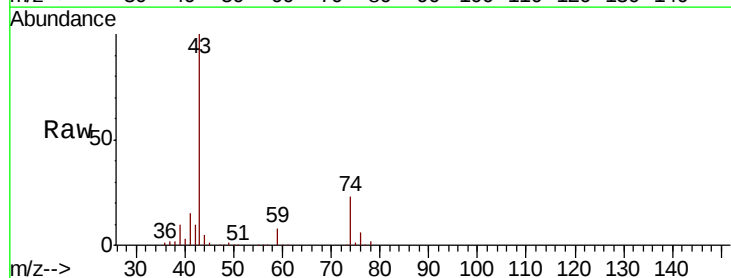
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

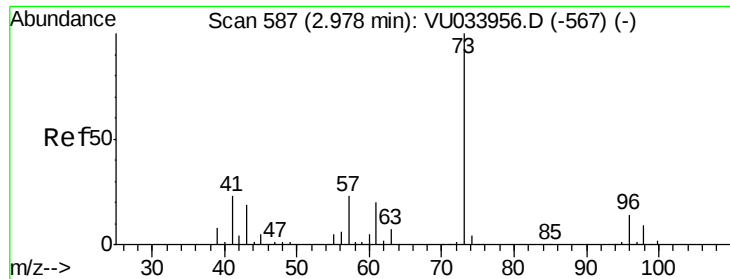
Tot Ion: 76 Resp: 266841
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 15.351 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 43 Resp: 140203
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.2

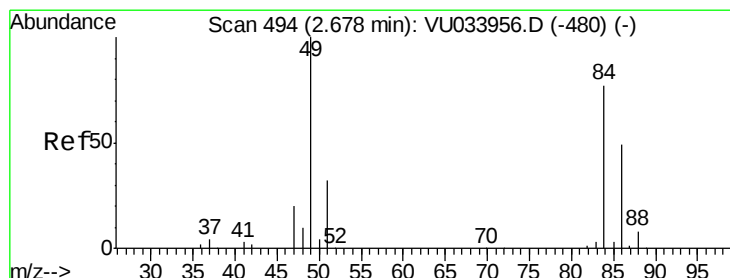
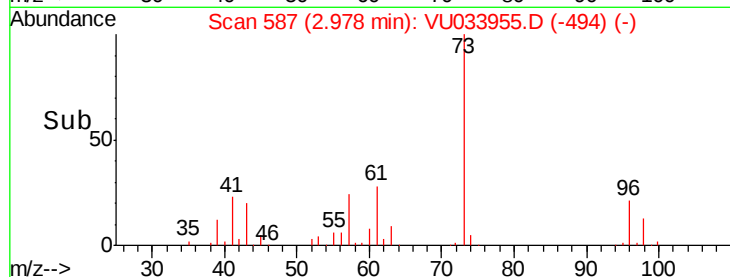
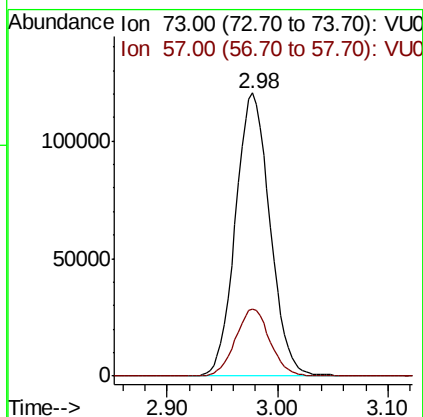
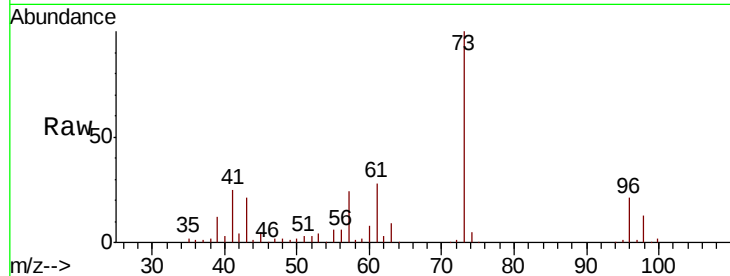




#19
Methvl tert-butvl Ether
Concen: 16.974 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

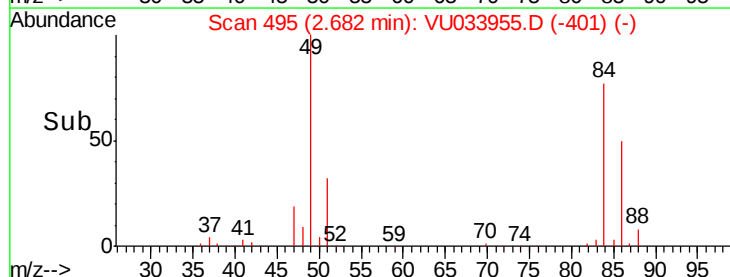
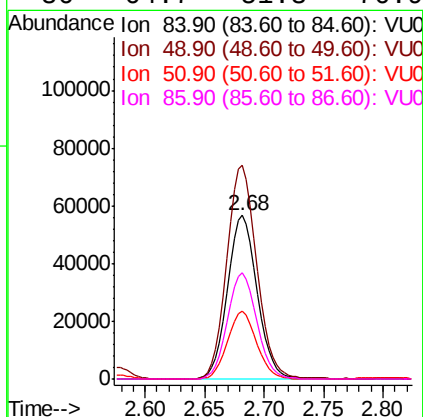
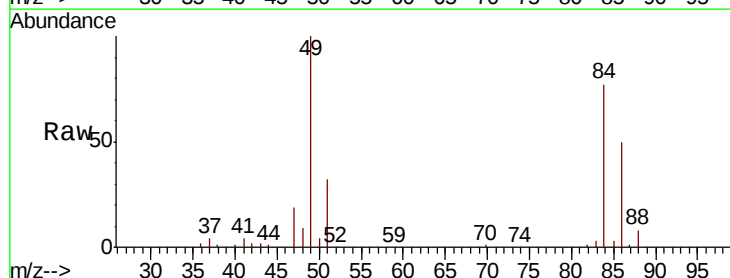
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

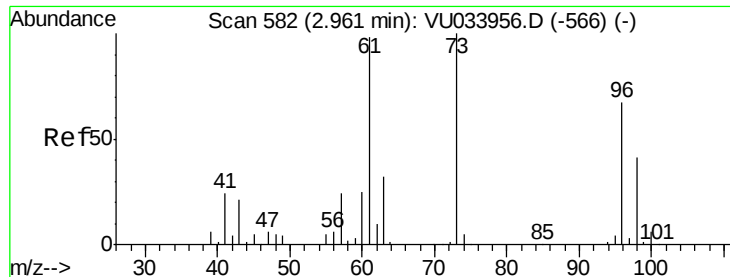
Tot Ion: 73 Resp: 260600
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5



#20
Methylene Chloride
Concen: 18.172 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 84 Resp: 98412
Ion Ratio Lower Upper
84 100
49 130.5 104.1 156.1
51 41.7 33.0 49.6
86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

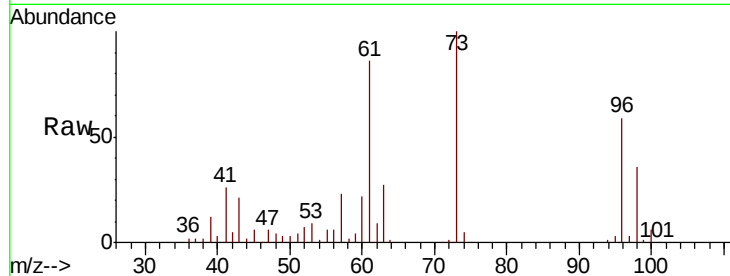
Tot Ion: 96 Resp: 91640

Ion Ratio Lower Upper

96 100

61 147.2 117.8 176.8

98 61.7 49.8 74.8

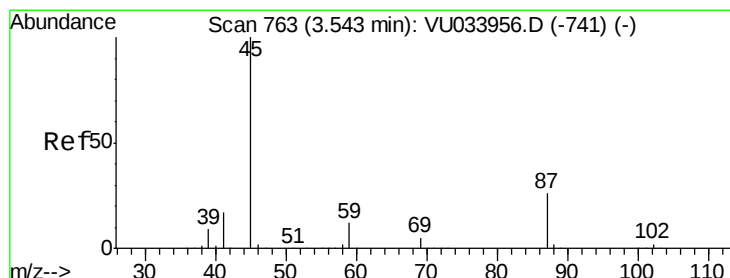
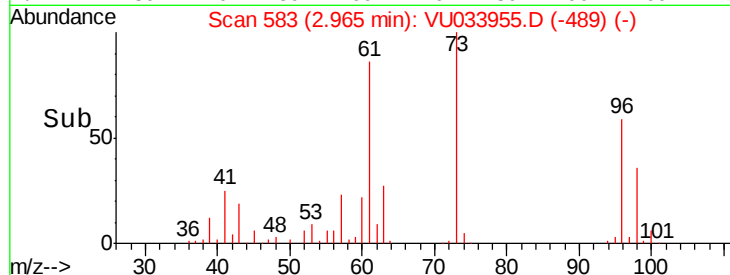
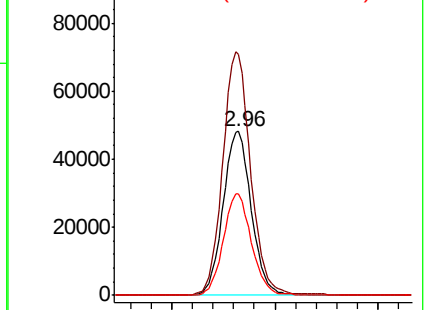


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 16.384 ug/l

RT: 3.54 min Scan# 763

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion: 45 Resp: 300001

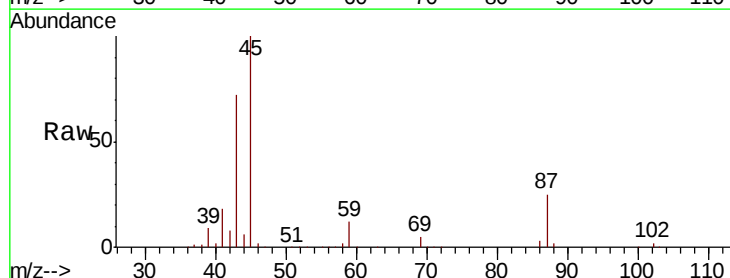
Ion Ratio Lower Upper

45 100

43 71.0 50.6 76.0

87 24.8 21.2 31.8

59 11.5 9.6 14.4



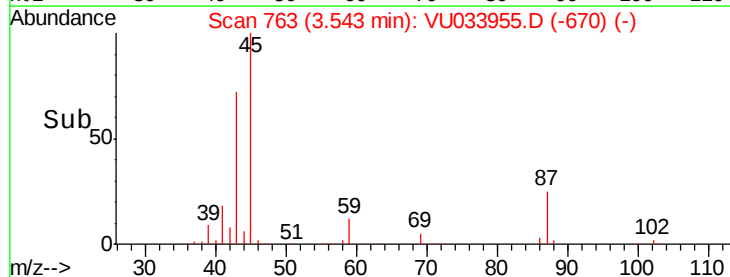
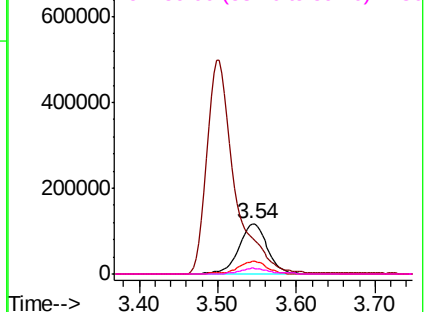
Abundance

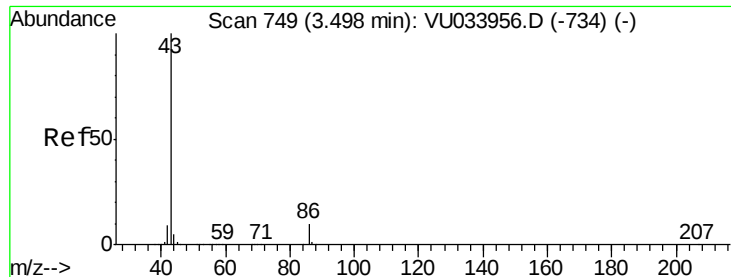
Ion 45.00 (44.70 to 45.70): VU0

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: 80.205 ug/l

RT: 3.50 min Scan# 749

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampled :

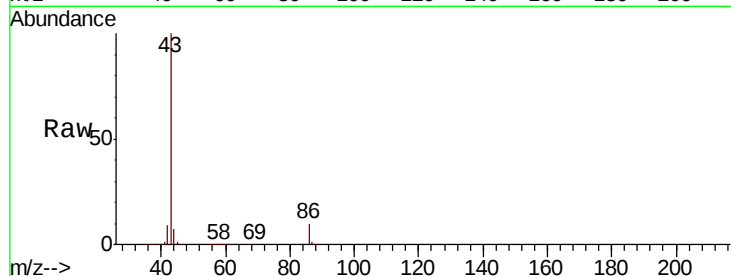
VSTDIC020

Tot Ion: 43 Resp: 1221585

Ion Ratio Lower Upper

43 100

86 9.8 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU033956.D (-734) (-)

3.50

500000

400000

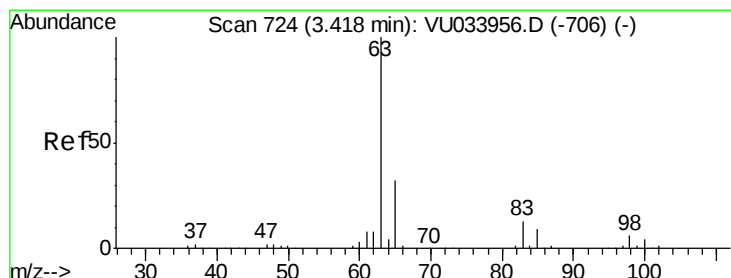
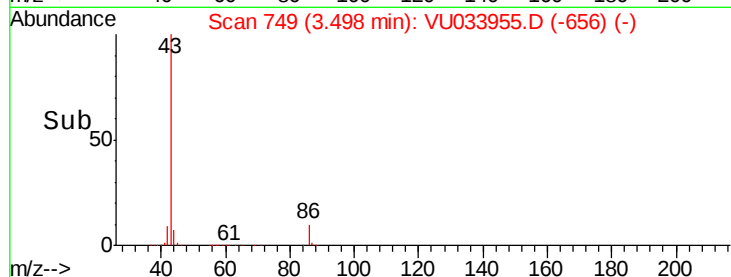
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.716 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

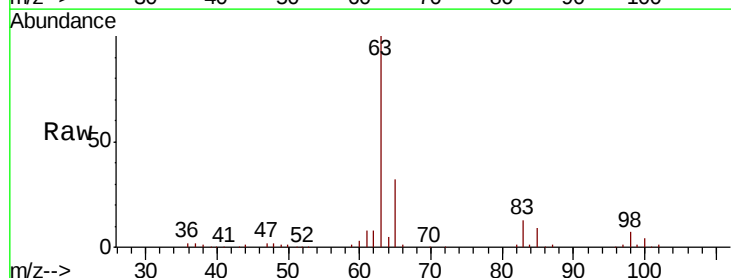
Tgt Ion: 63 Resp: 172815

Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU033956.D (-706) (-)

Ion 97.90 (97.60 to 98.60): VU033956.D (-706) (-)

Ion 99.90 (99.60 to 100.60): VU033956.D (-706) (-)

3.42

100000

80000

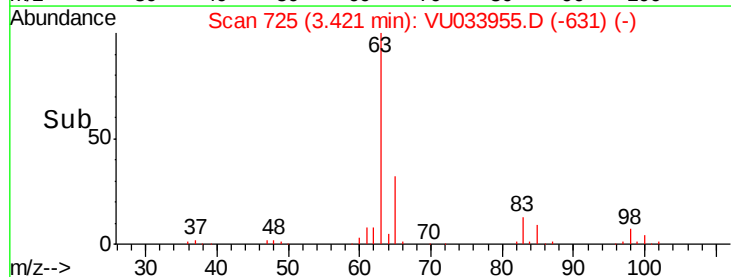
60000

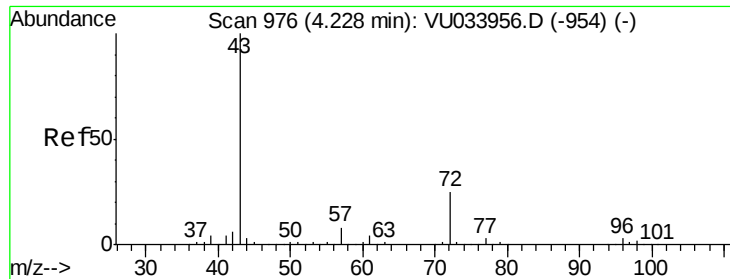
40000

20000

0

Time-->





#25

2-Butanone

Concen: 83.507 ug/l

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

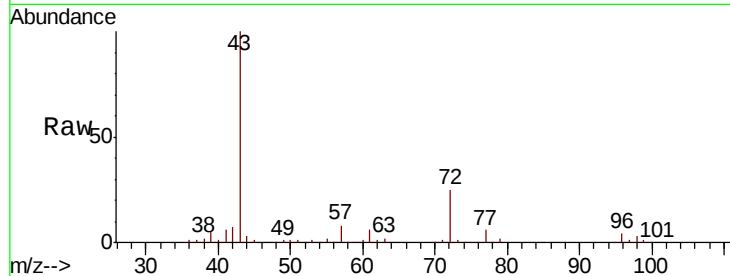
VSTDIC020

Tot Ion: 43 Resp: 409878

Ion Ratio Lower Upper

43 100

72 25.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU033955.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VU033955.D (-883) (-)

4.23

150000

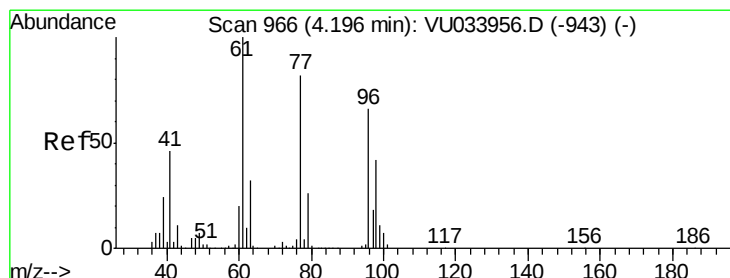
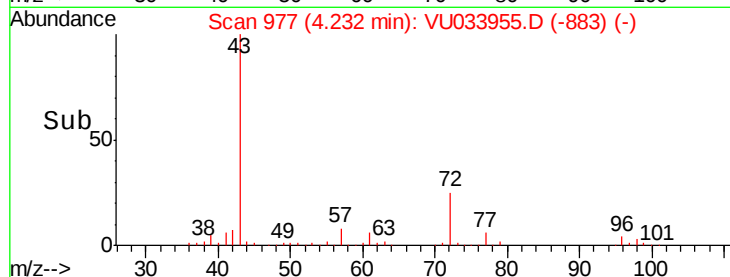
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 17.853 ug/l

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033955.D

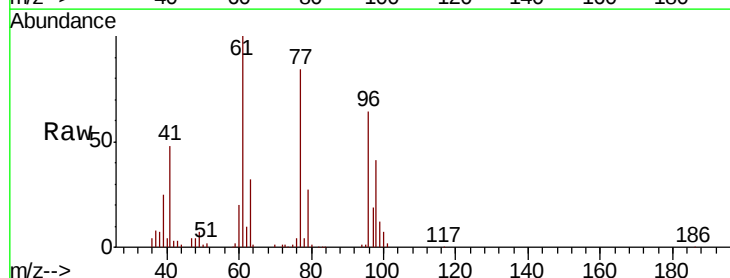
Acq: 26 Aug 2019 17:27

Tgt Ion: 77 Resp: 138663

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU033955.D (-873) (-)

Ion 96.90 (96.60 to 97.60): VU033955.D (-873) (-)

4.20

60000

50000

40000

30000

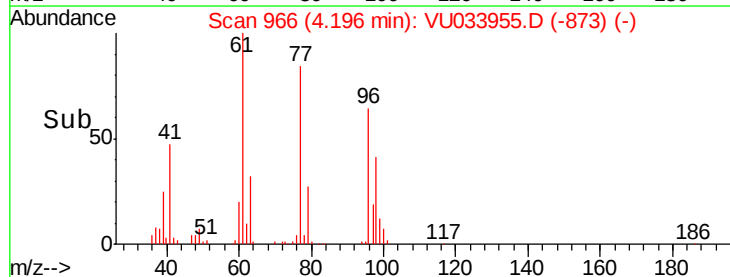
20000

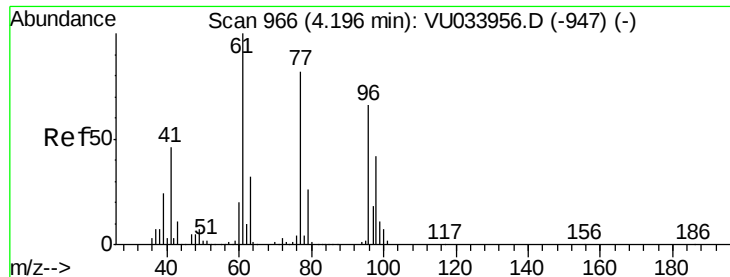
10000

0

4.10 4.20 4.30

Time-->



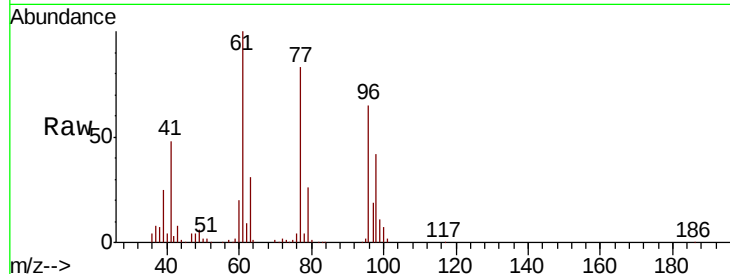


#27

cis-1,2-Dichloroethene
 Concen: 18.566 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	96	Resp	96754
Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	312.2
98	63.7	0.0	129.4

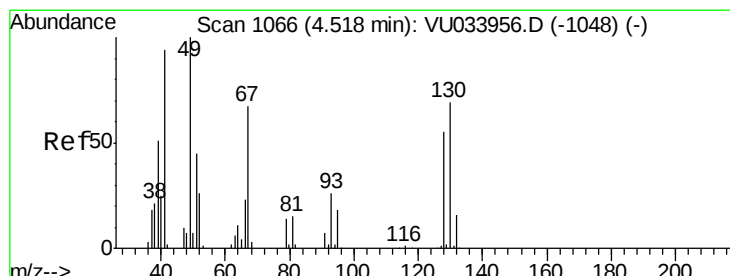
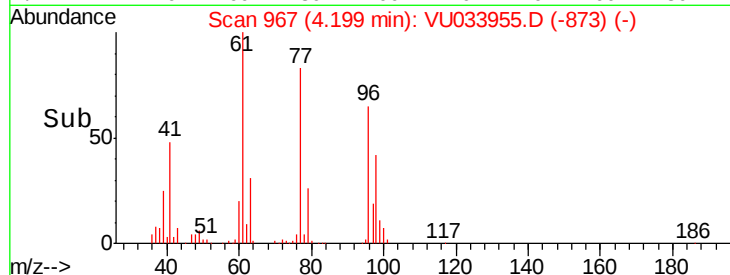
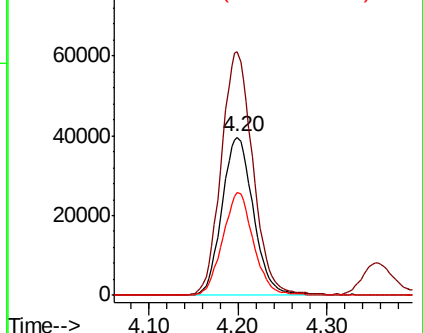


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

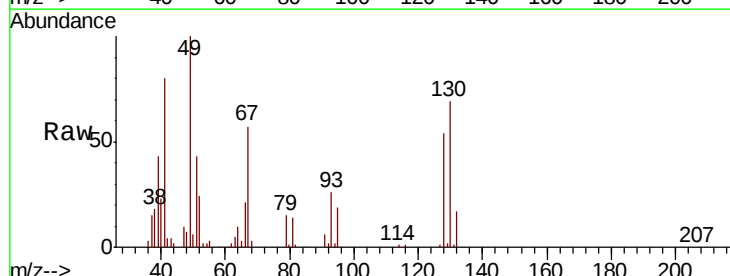
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
 Concen: 20.100 ug/l
 RT: 4.52 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion	49	Resp	88831
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	69.8	56.2	84.4

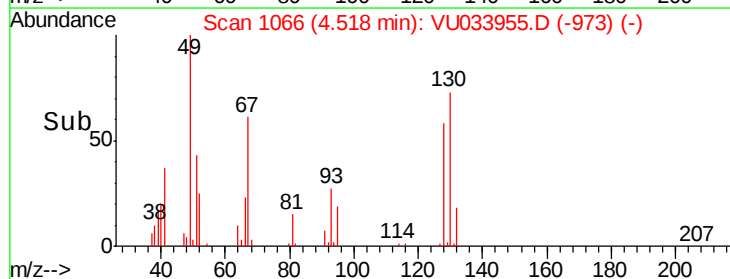
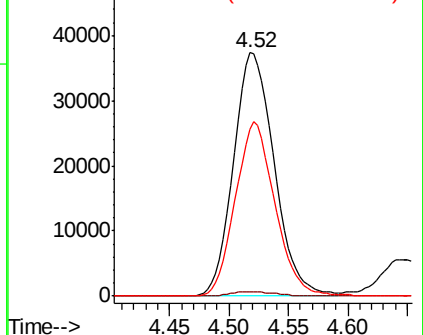


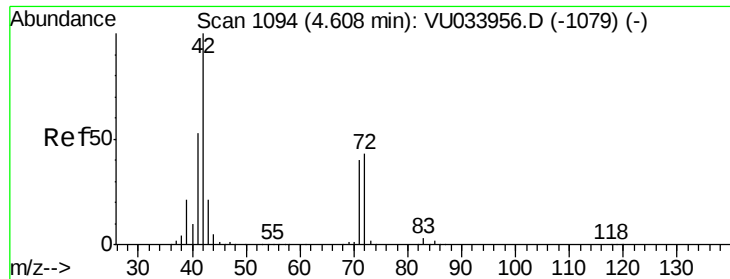
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

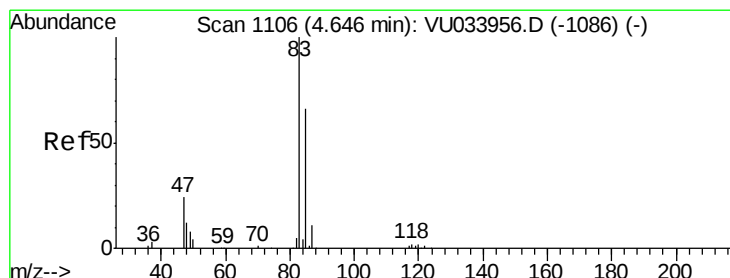
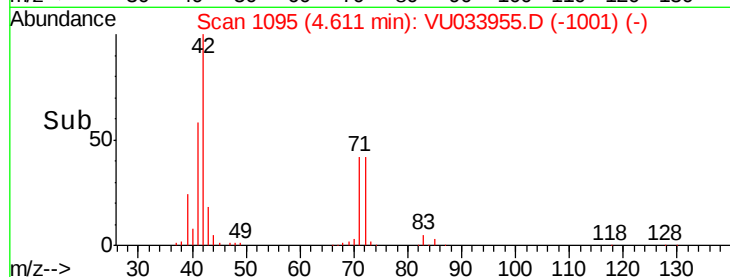
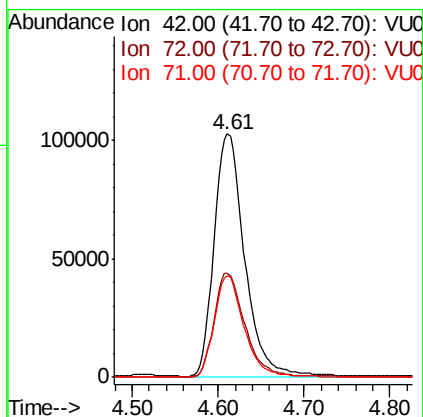
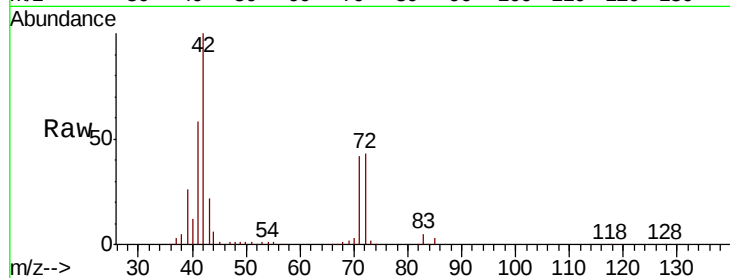




#29
Tetrahydrofuran
Concen: 80.717 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

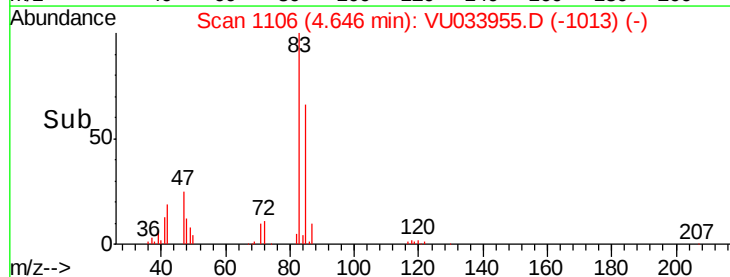
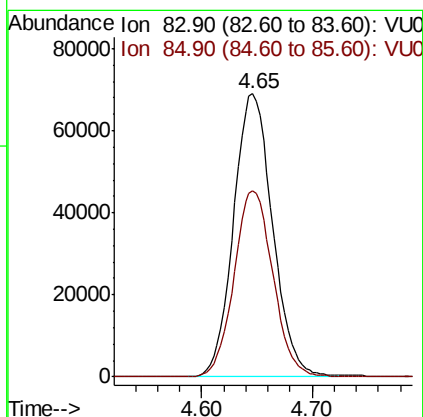
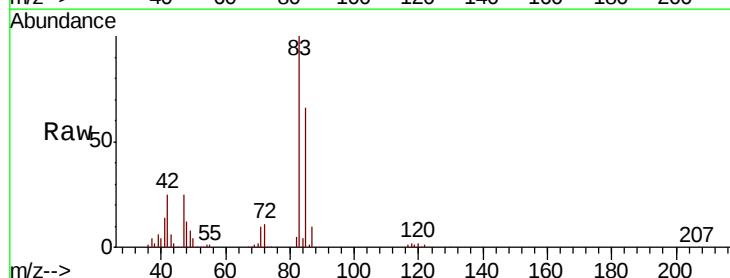
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

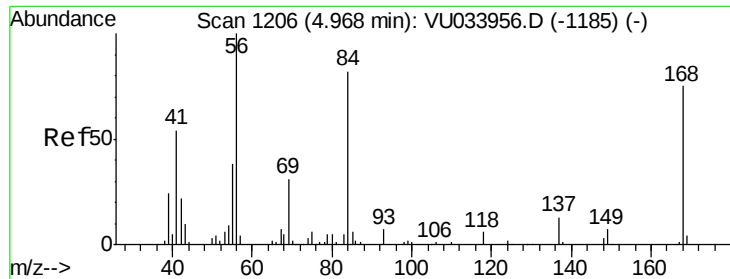
Tot Ion: 42 Resp: 253298
Ion Ratio Lower Upper
42 100
72 43.5 34.6 52.0
71 40.8 32.1 48.1



#30
Chloroform
Concen: 19.665 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 83 Resp: 169120
Ion Ratio Lower Upper
83 100
85 65.5 52.4 78.6

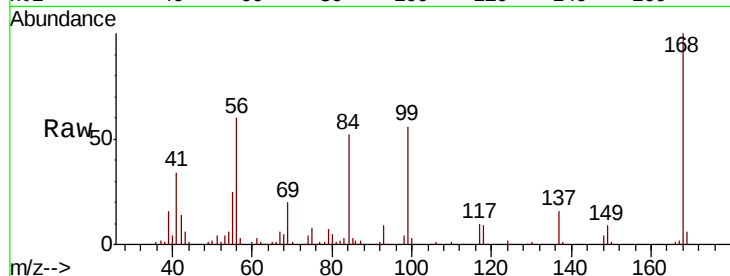




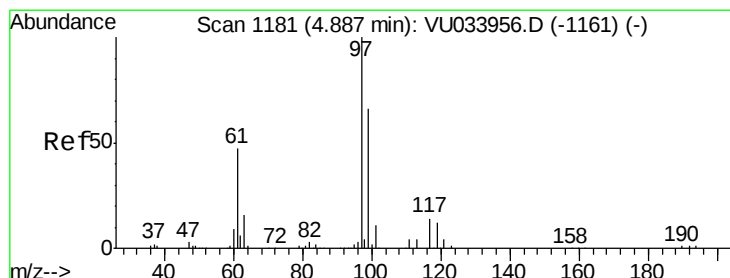
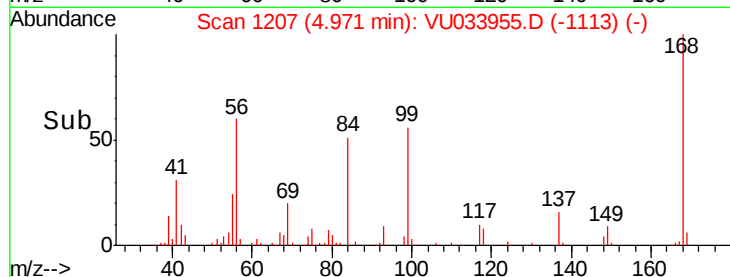
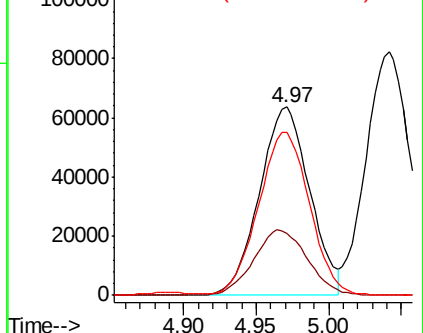
#31
Cyclohexane
Concen: 13.542 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 153805
Ion Ratio Lower Upper
56 100
69 33.0 24.6 37.0
84 85.4 65.4 98.0

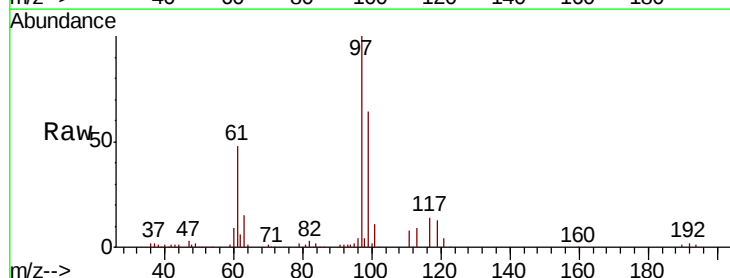


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

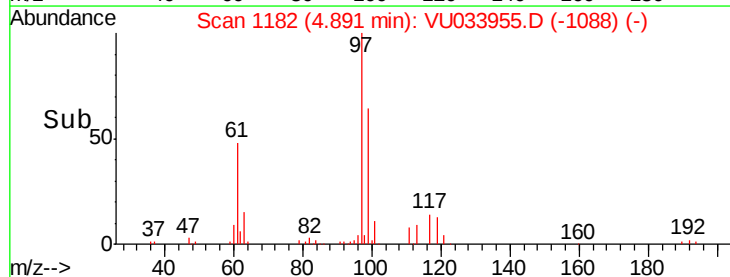
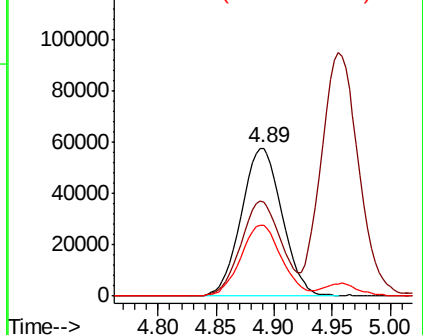


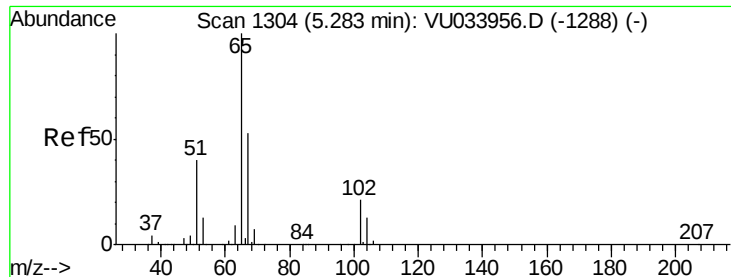
#32
1,1,1-Trichloroethane
Concen: 19.719 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 97 Resp: 141090
Ion Ratio Lower Upper
97 100
99 63.2 51.4 77.0
61 48.1 38.4 57.6



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





#33

1,2-Dichloroethane-d4

Concen: 20.789 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

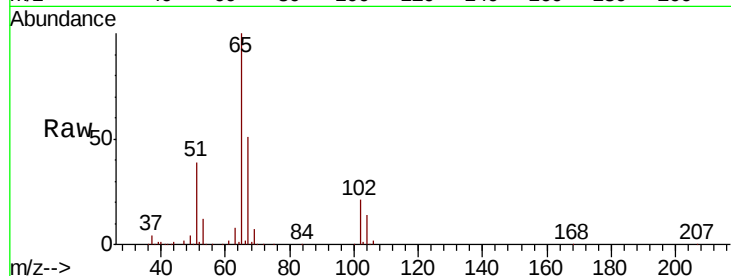
VSTDIC020

Tot Ion: 65 Resp: 115350

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VU033956.D (-1288) (-)

Ion 66.90 (66.60 to 67.60): VU033956.D (-1288) (-)

5.29

60000

50000

40000

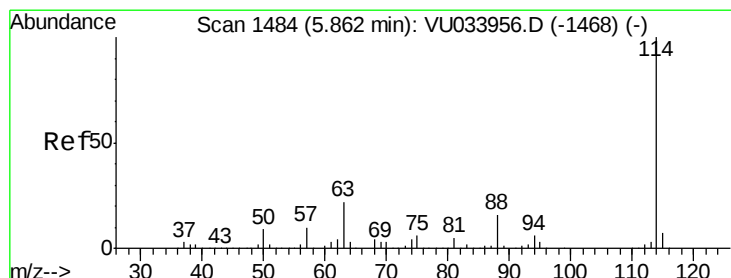
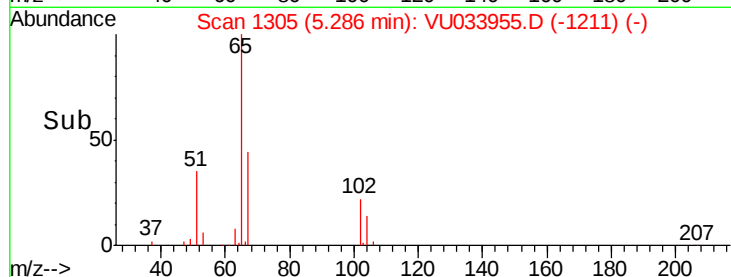
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

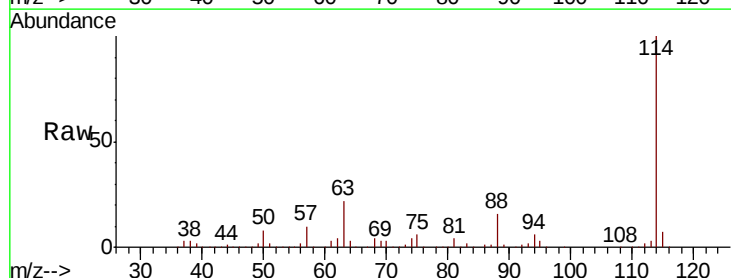
Tgt Ion: 114 Resp: 594588

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

88 16.0 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU033956.D (-1468) (-)

Ion 63.00 (62.70 to 63.70): VU033956.D (-1468) (-)

Ion 87.90 (87.60 to 88.60): VU033956.D (-1468) (-)

5.86

400000

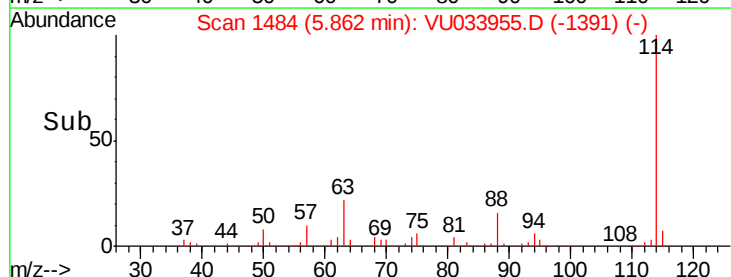
300000

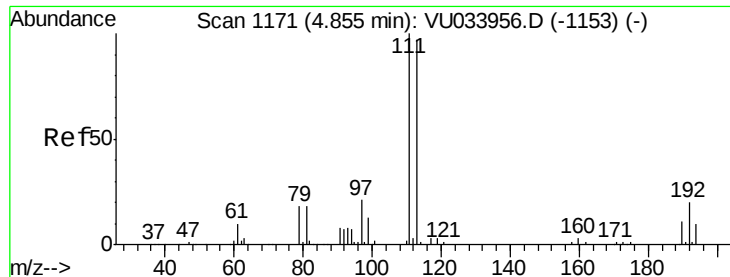
200000

100000

0

Time-->

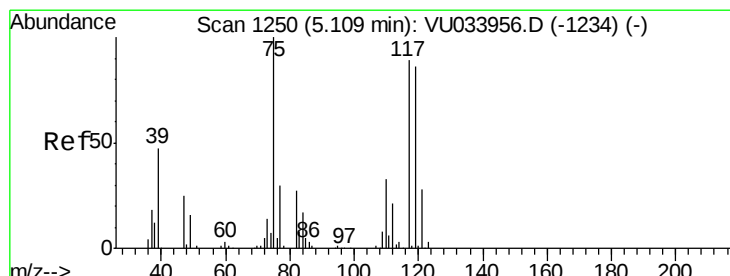
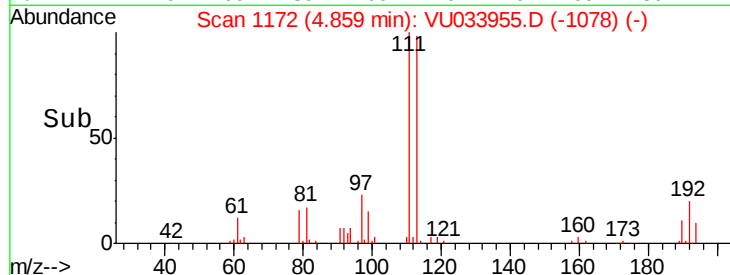
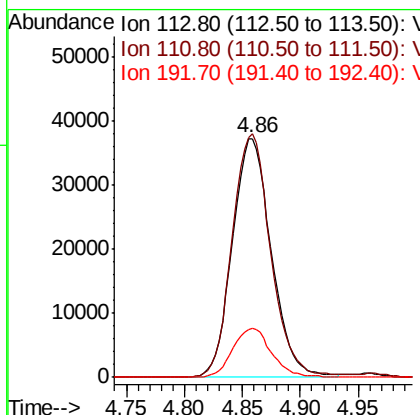
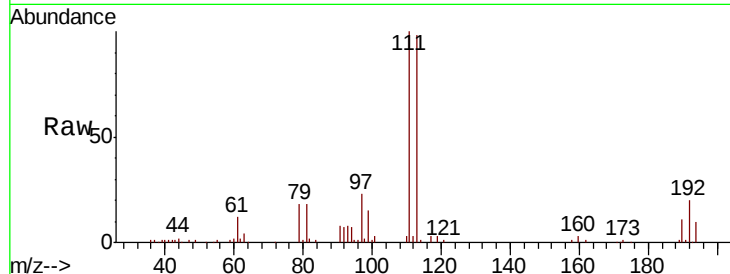




#35
 Dibromofluoromethane
 Concen: 23.207 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

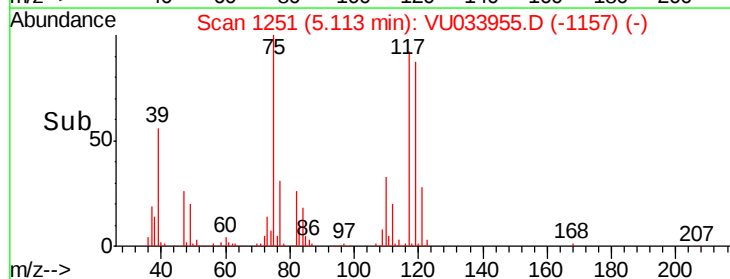
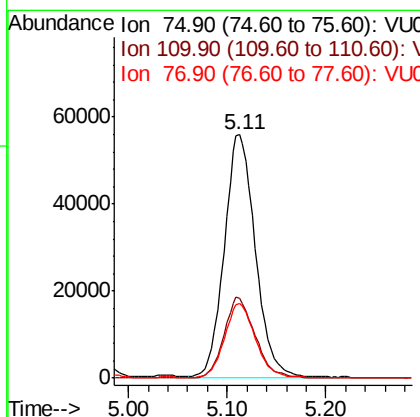
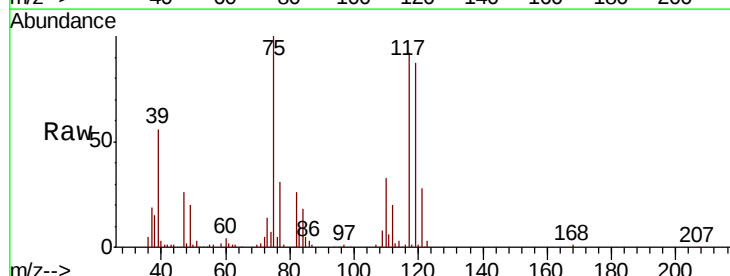
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

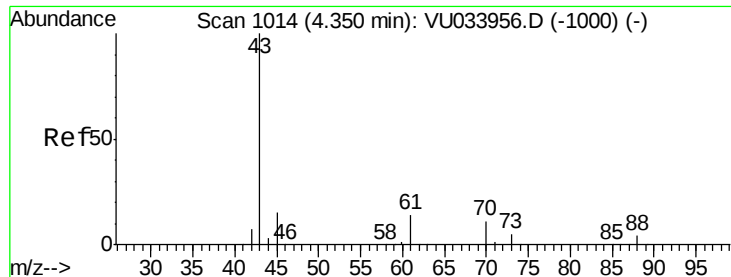
Tot Ion:113 Resp: 87162
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.0 123.0
 192 20.5 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 18.960 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion: 75 Resp: 122252
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.8 50.4
 77 30.3 24.7 37.1

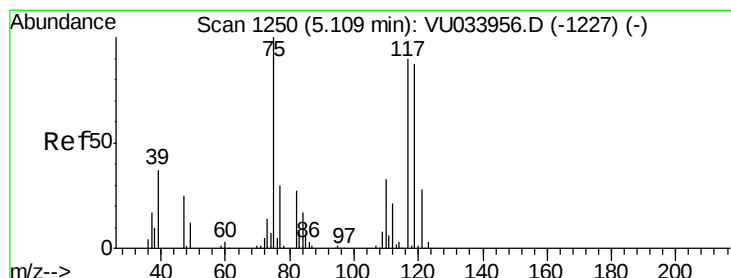
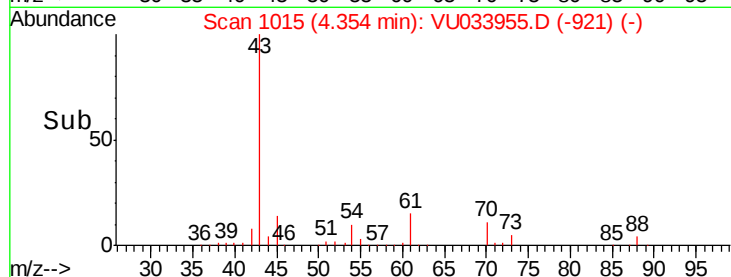
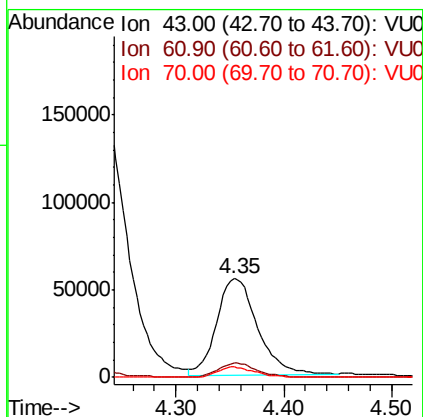
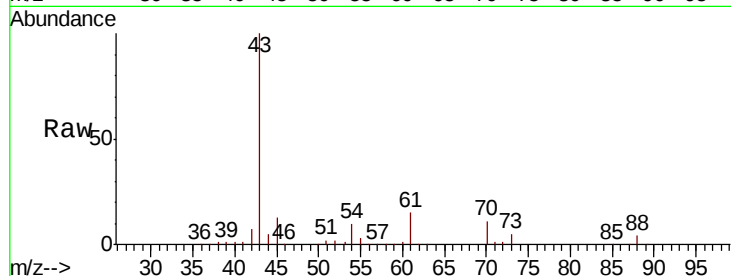




#37
Ethyl Acetate
Concen: 17.629 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

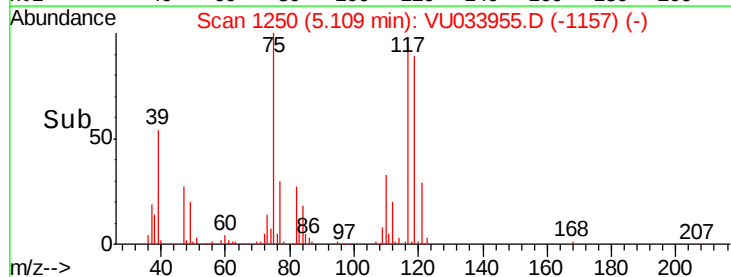
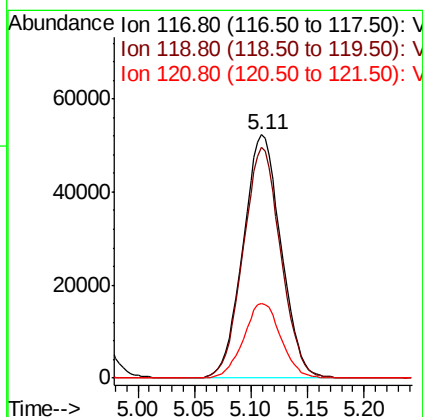
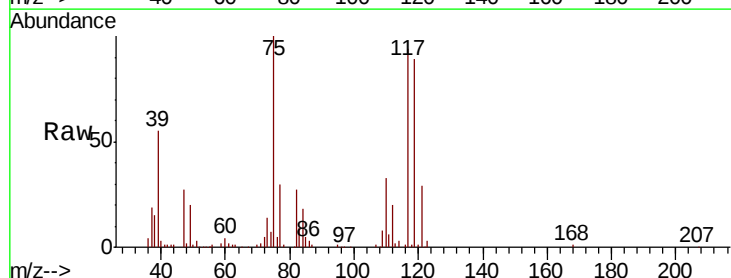
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

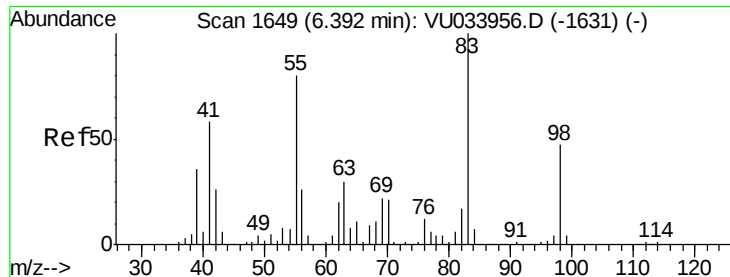
Tot Ion: 43 Resp: 144735
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.6
70 9.9 8.2 12.4



#38
Carbon Tetrachloride
Concen: 22.792 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 117 Resp: 122178
Ion Ratio Lower Upper
117 100
119 94.7 76.9 115.3
121 30.6 24.9 37.3

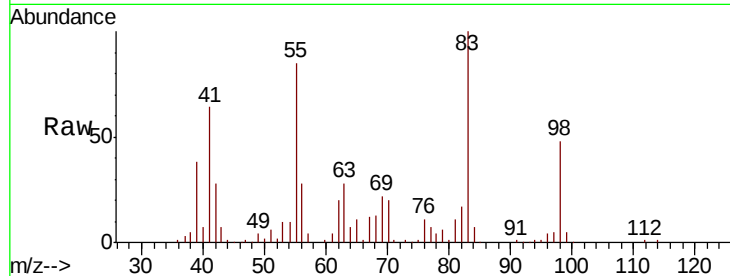




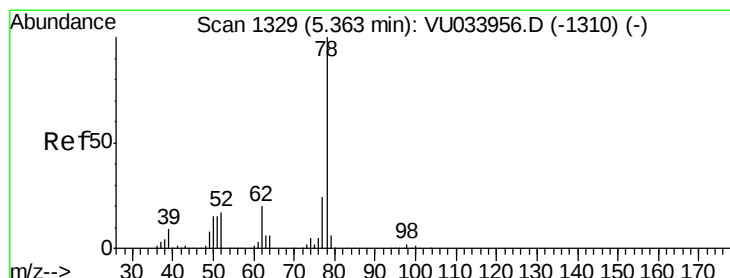
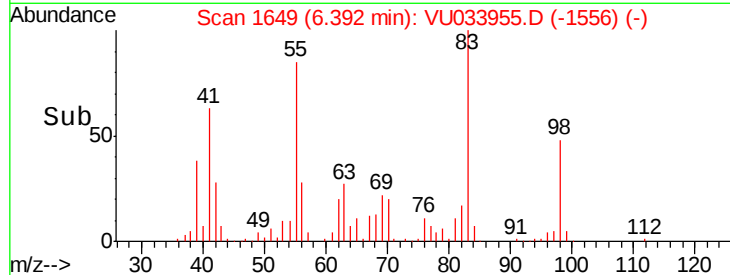
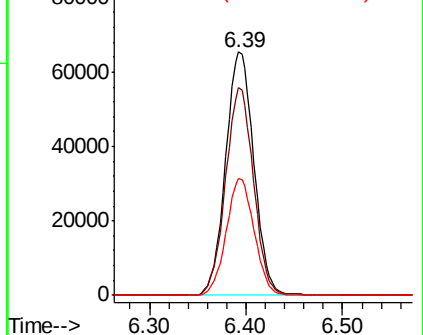
#39
Methvlcvclohexane
Concen: 16.939 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 132752
Ion Ratio Lower Upper
83 100
55 85.3 63.8 95.8
98 48.0 37.7 56.5

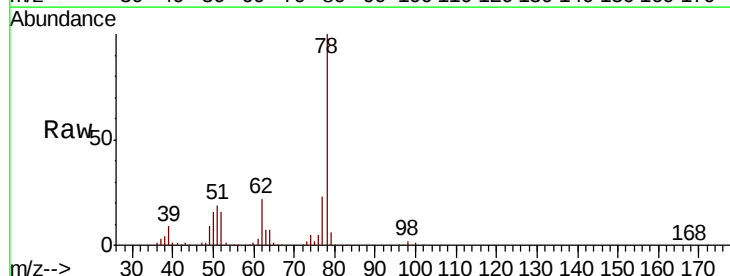


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

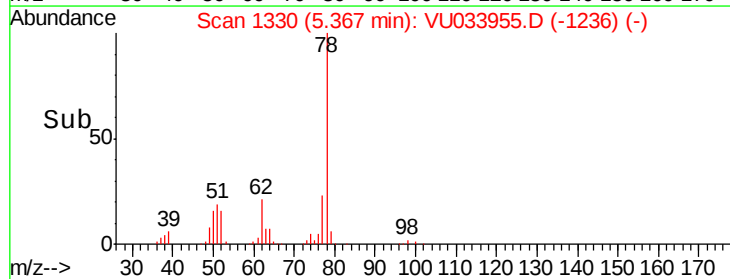
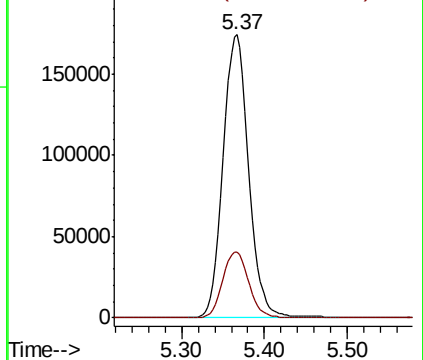


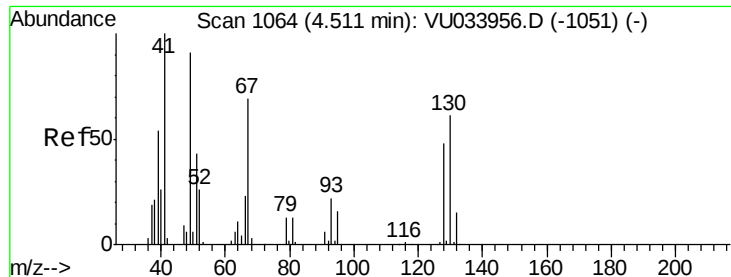
#40
Benzene
Concen: 19.657 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 78 Resp: 373867
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4



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

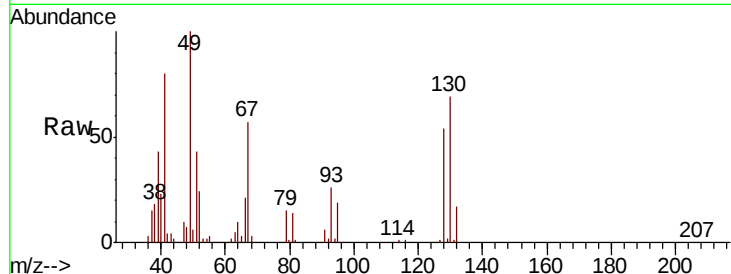




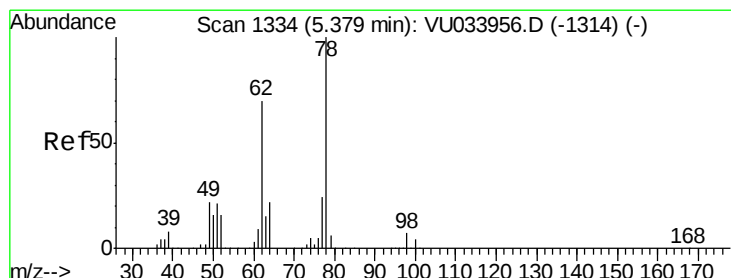
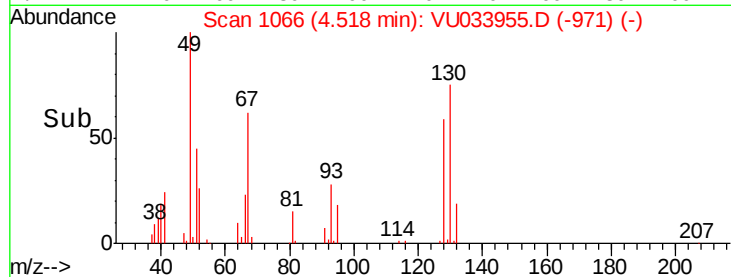
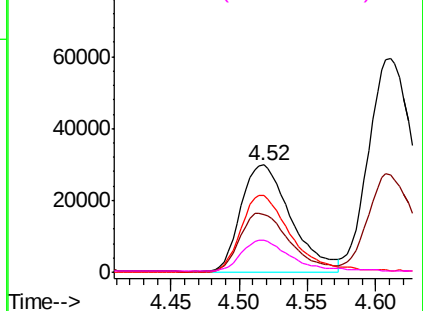
#41
Methacrylonitrile
Concen: 16.952 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	75855
Ion	Ratio	Lower	Upper
41	100		
39	54.4	43.3	64.9
67	71.6	57.5	86.3
52	28.4	22.6	34.0

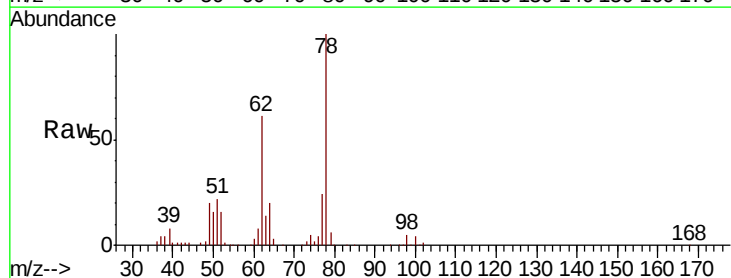


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

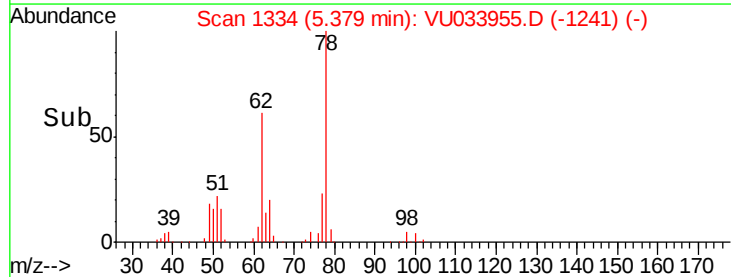
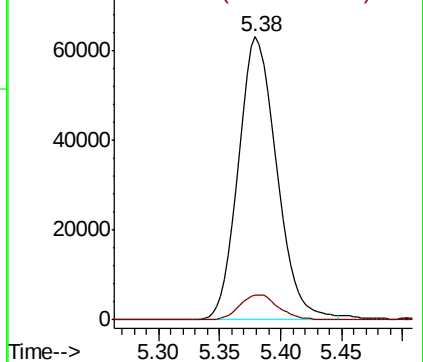


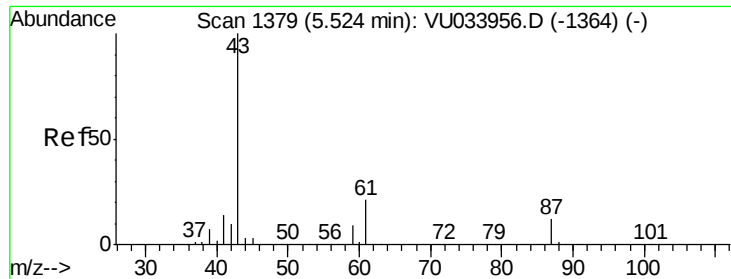
#42
1,2-Dichloroethane
Concen: 20.544 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion:	62	Resp:	137893
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



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

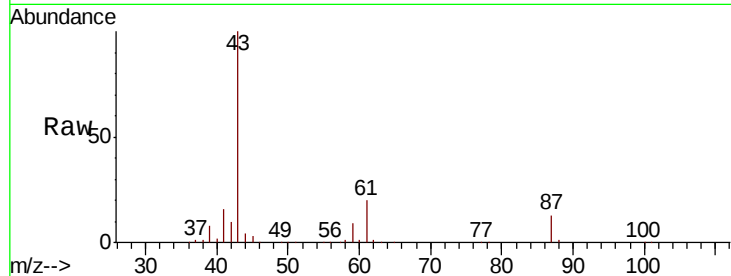




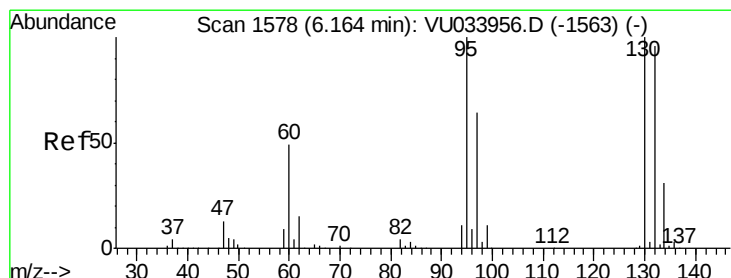
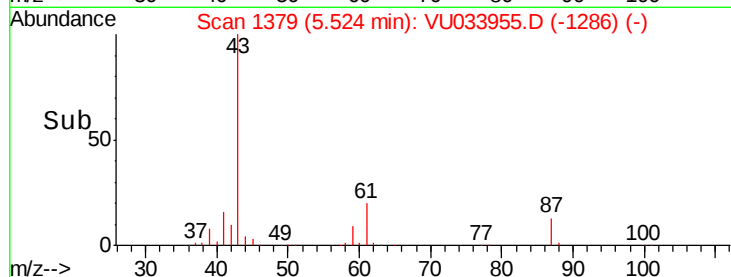
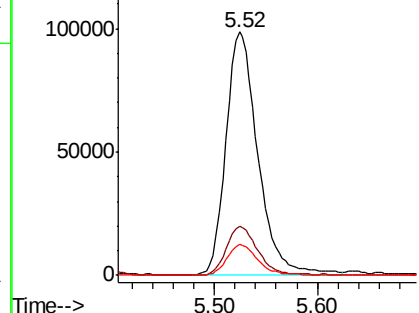
#43
Isopropyl Acetate
Concen: 16.384 ug/l
RT: 5.52 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 211354
Ion Ratio Lower Upper
43 100
61 20.0 16.1 24.1
87 12.6 9.9 14.9

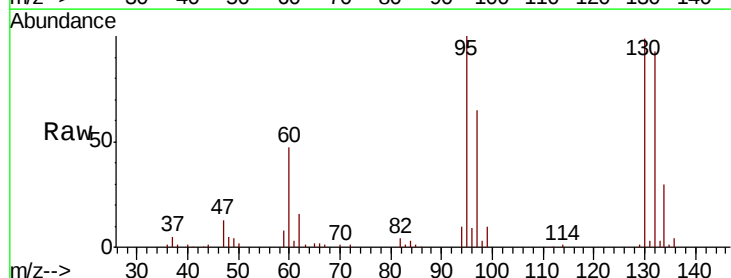


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

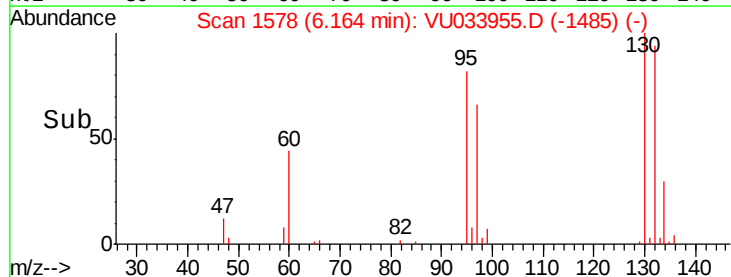
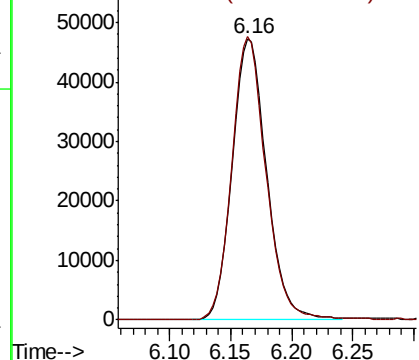


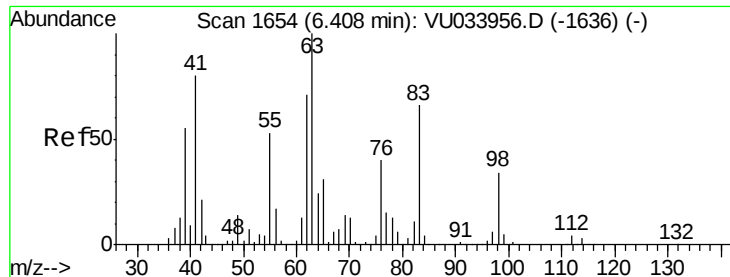
#44
Trichloroethene
Concen: 21.498 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion:130 Resp: 92978
Ion Ratio Lower Upper
130 100
95 100.6 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 19.221 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

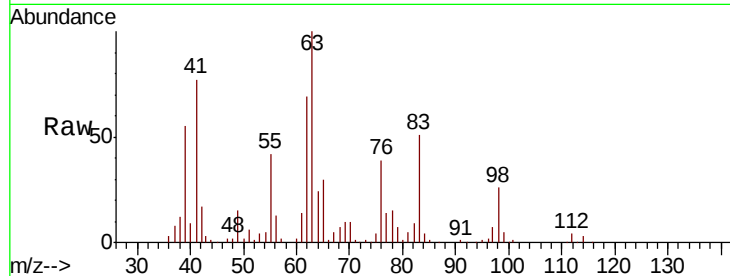
VSTDIC020

Tot Ion: 63 Resp: 101989

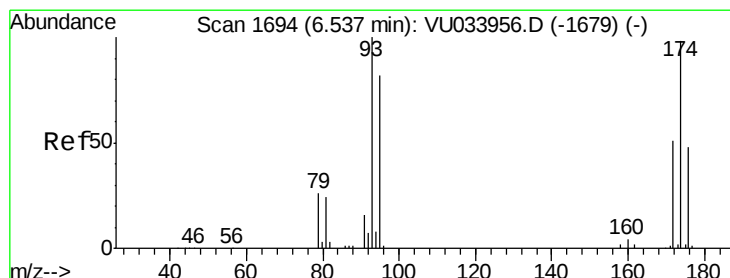
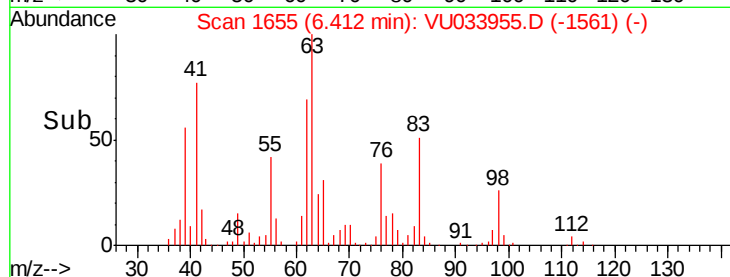
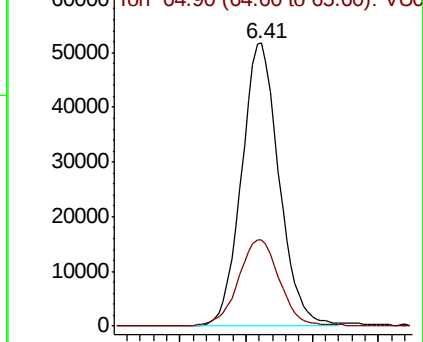
Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU033955.D (-1636) (-)



#46

Dibromomethane

Concen: 20.644 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

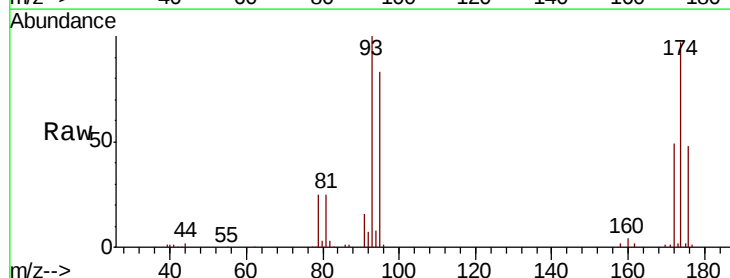
Tgt Ion: 93 Resp: 65997

Ion Ratio Lower Upper

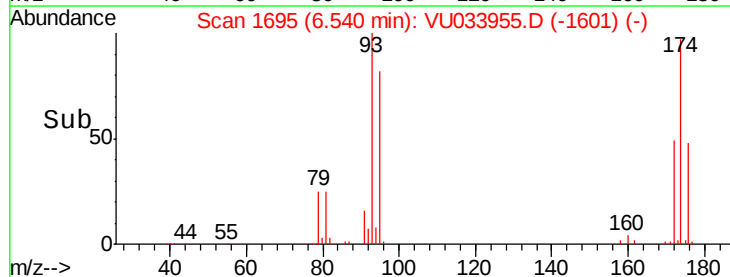
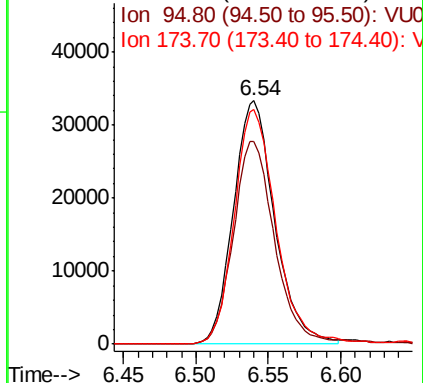
93 100

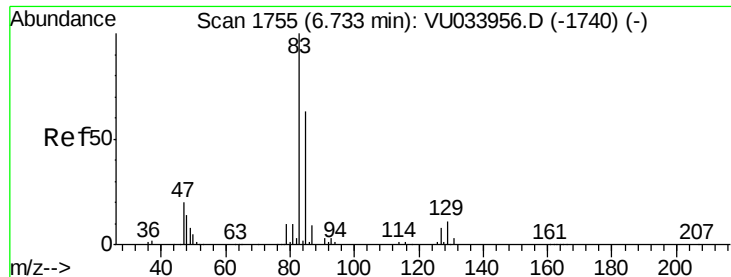
95 82.6 67.3 100.9

174 97.9 79.7 119.5



Abundance Ion 92.80 (92.50 to 93.50): VU033955.D (-1601) (-)





#47

Bromodichloromethane

Concen: 21.128 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

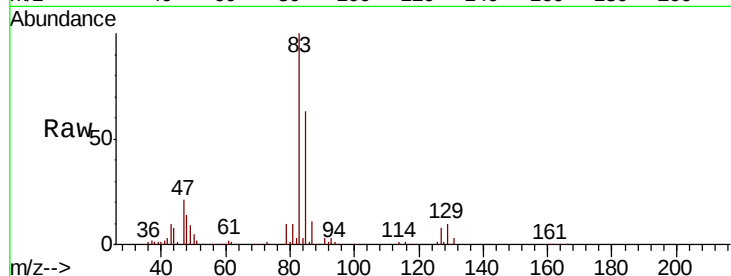
Tot Ion: 83 Resp: 132603

Ion Ratio Lower Upper

83 100

85 63.2 50.5 75.7

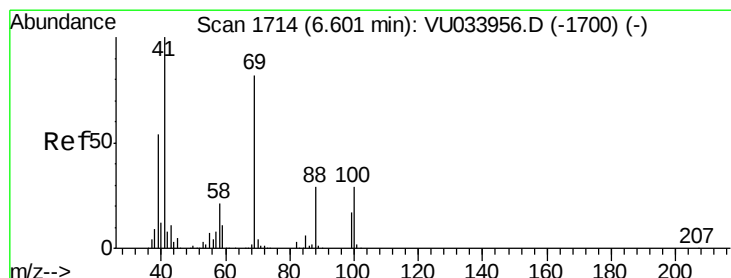
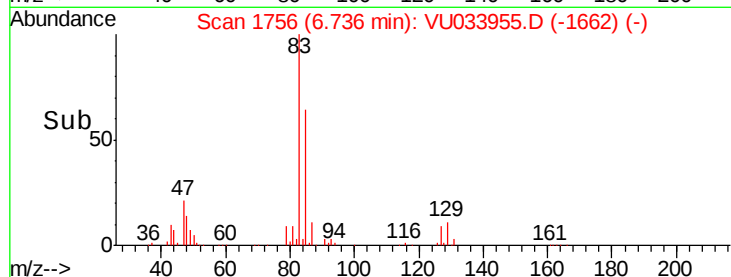
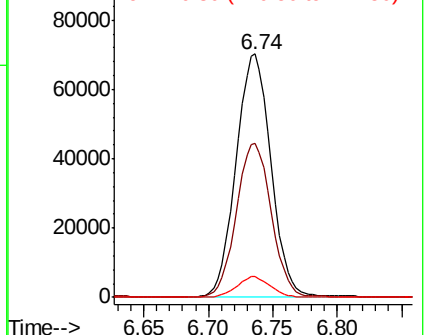
127 8.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU033955.D (-1662) (-)

Ion 84.90 (84.60 to 85.60): VU033955.D (-1662) (-)

Ion 126.80 (126.50 to 127.50): VU033955.D (-1662) (-)



#48

Methyl methacrylate

Concen: 15.409 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

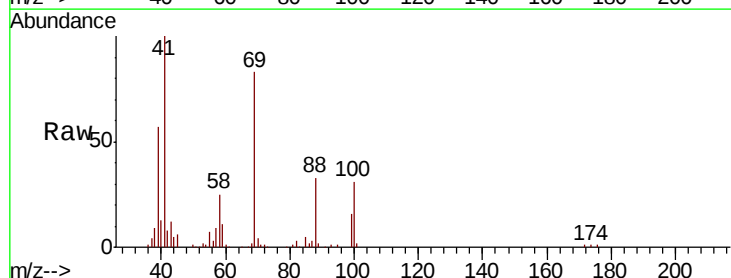
Tgt Ion: 41 Resp: 98211

Ion Ratio Lower Upper

41 100

69 86.5 66.9 100.3

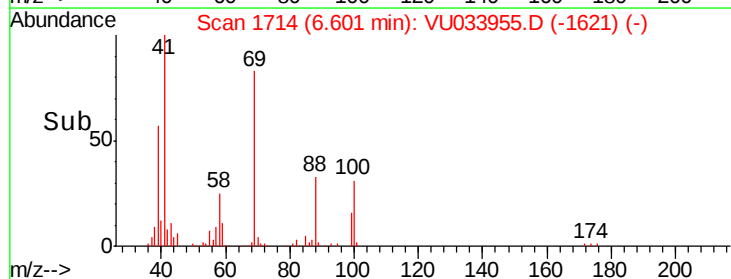
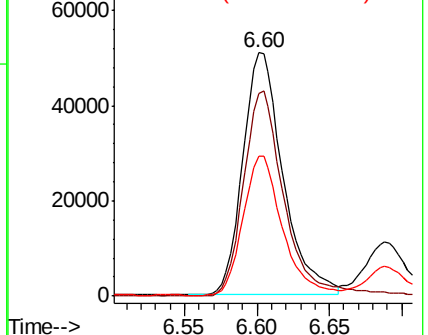
39 56.3 43.3 64.9

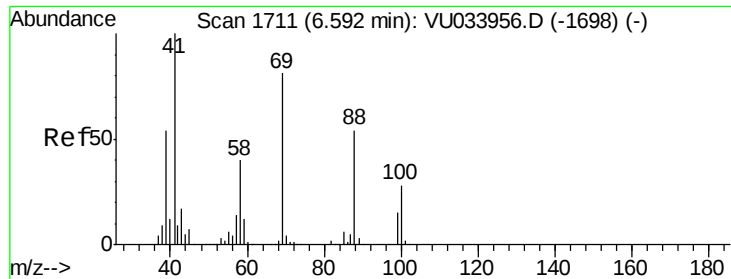


Abundance Ion 41.00 (40.70 to 41.70): VU033955.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU033955.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU033955.D (-1621) (-)

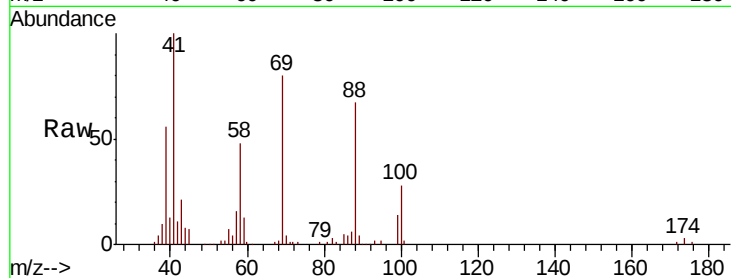




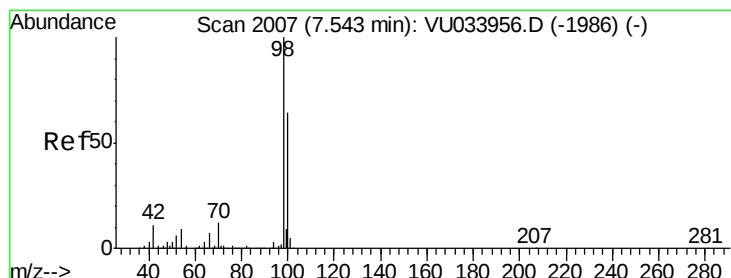
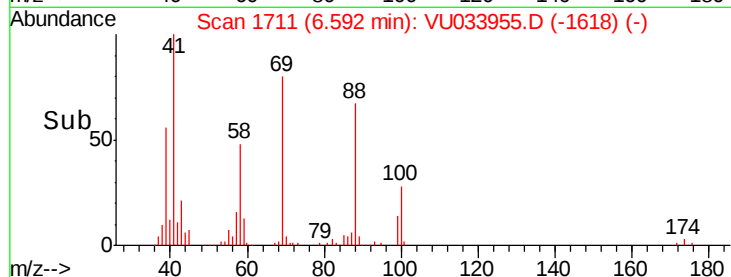
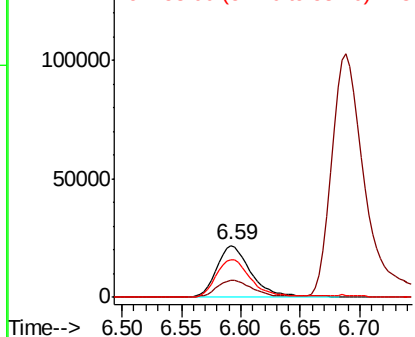
#49
1,4-Dioxane
Concen: 405.044 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 43163
Ion Ratio Lower Upper
88 100
43 33.9 27.2 40.8
58 76.0 59.3 88.9

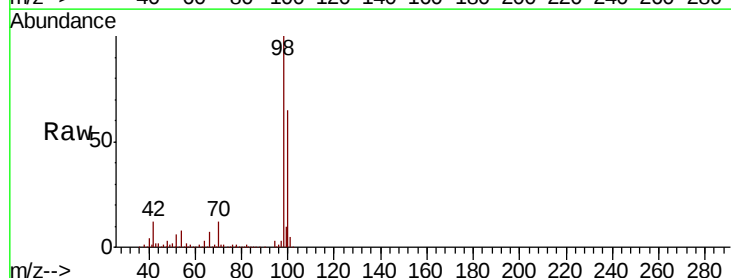


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

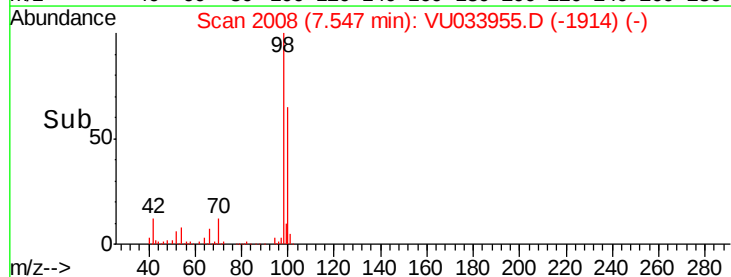
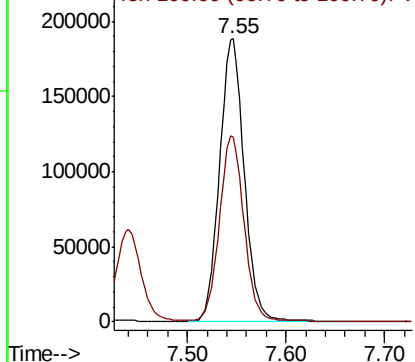


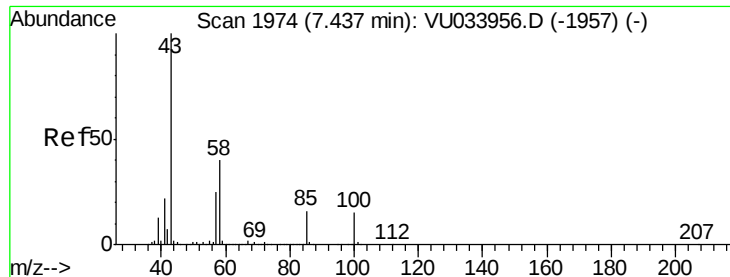
#50
Toluene-d8
Concen: 22.526 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 98 Resp: 332510
Ion Ratio Lower Upper
98 100
100 65.2 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: 90.230 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

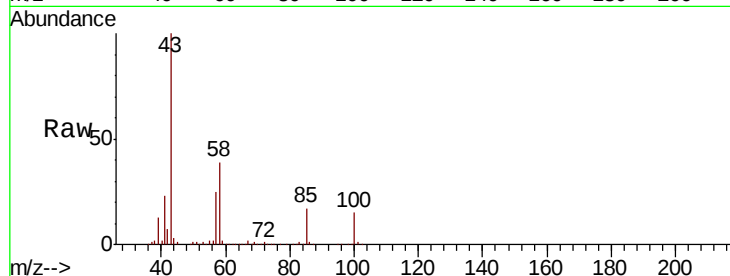
VSTDIC020

Tot Ion: 43 Resp: 744056

Ion Ratio Lower Upper

43 100

58 38.9 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VU033955.D (-1881) (-)

Ion 58.00 (57.70 to 58.70): VU033955.D (-1881) (-)

7.44

400000

300000

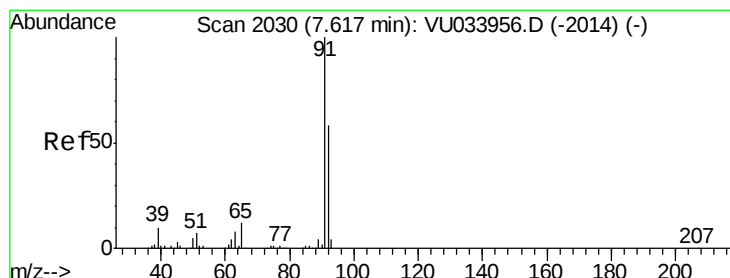
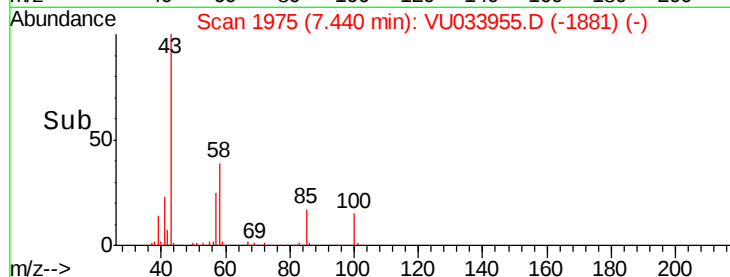
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 19.998 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033955.D

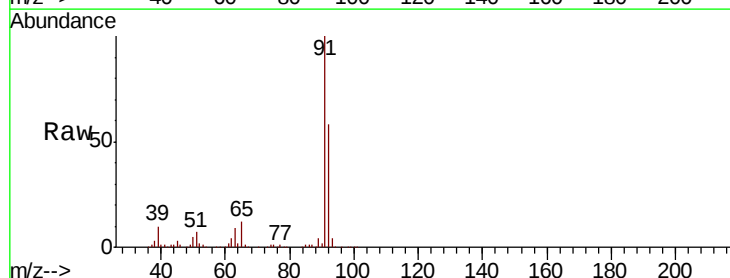
Acq: 26 Aug 2019 17:27

Tgt Ion: 92 Resp: 224684

Ion Ratio Lower Upper

92 100

91 170.2 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VU033955.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU033955.D (-1937) (-)

250000

200000

150000

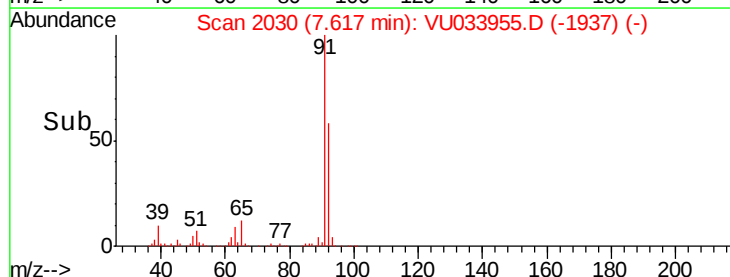
100000

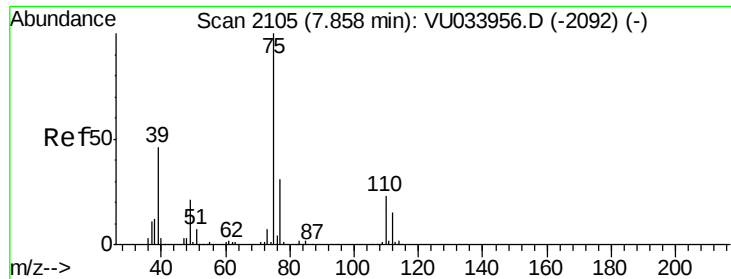
50000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.885 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

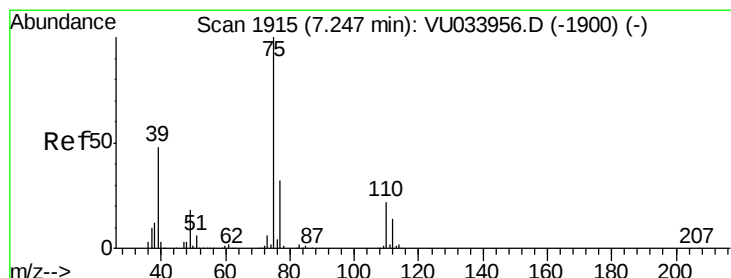
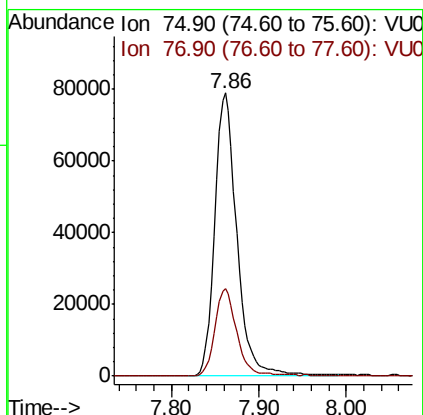
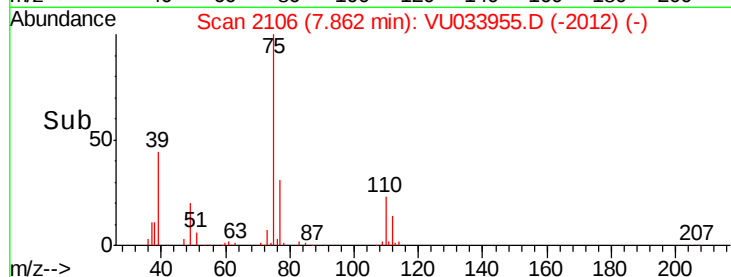
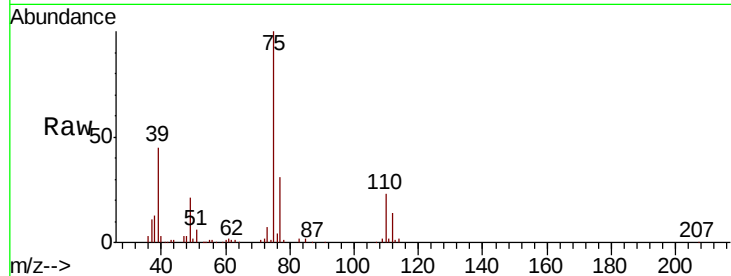
VSTDIC020

Tot Ion: 75 Resp: 139175

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.944 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

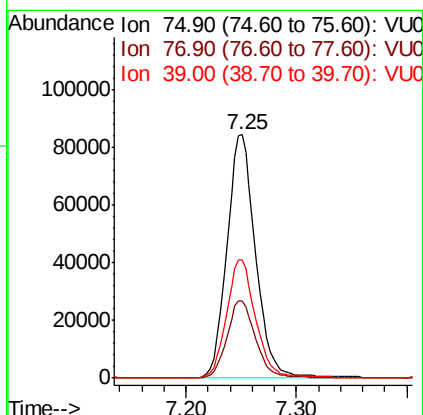
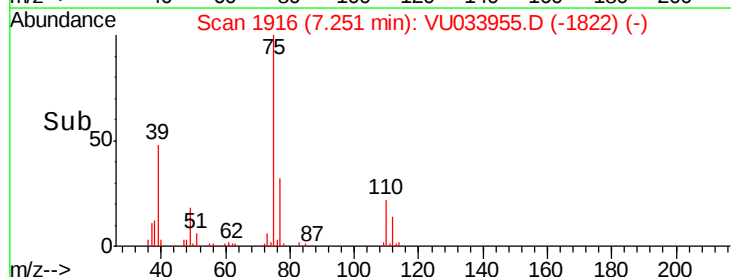
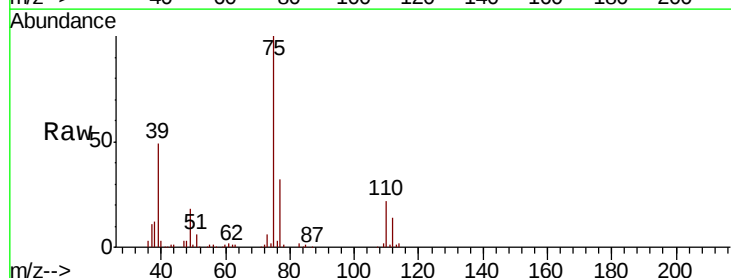
Tgt Ion: 75 Resp: 151655

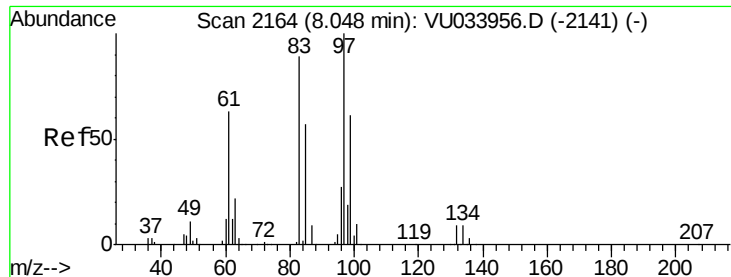
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 48.4 38.3 57.5

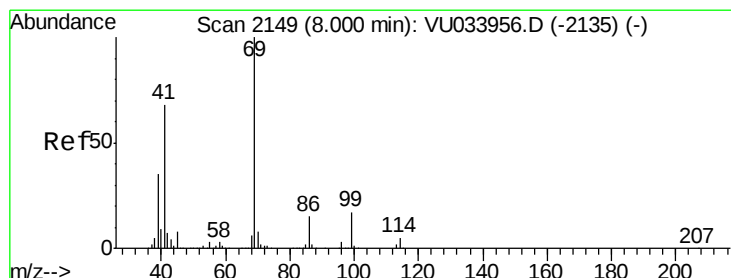
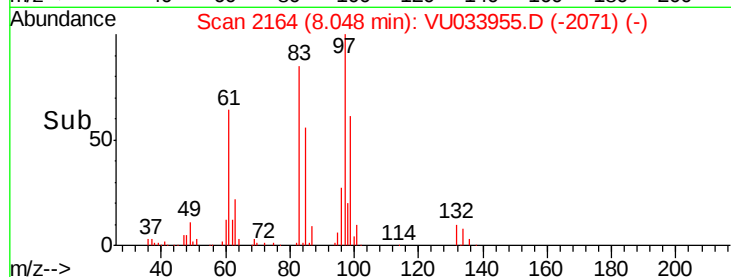
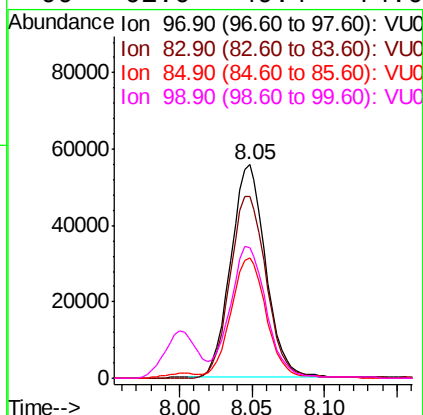
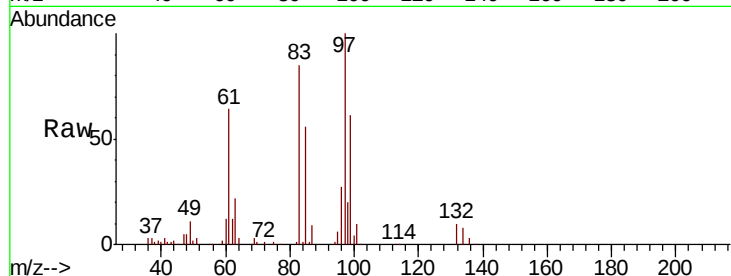




#55
 1,1,2-Trichloroethane
 Concen: 20.769 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

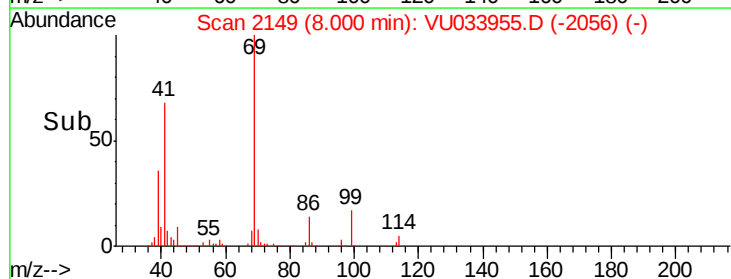
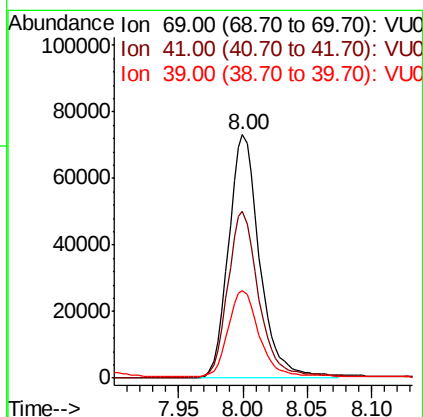
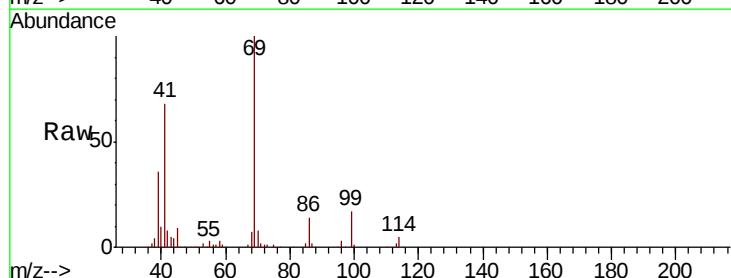
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

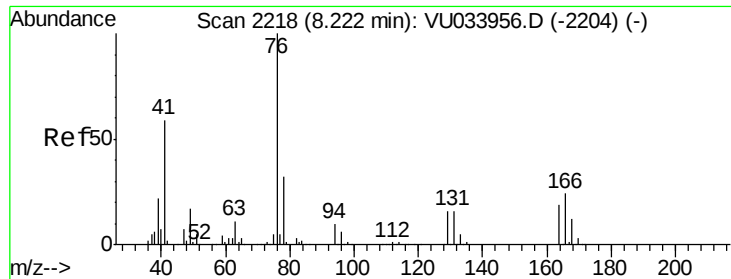
Tot Ion:	97	Resp:	92805
Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.0	106.4
85	56.0	45.5	68.3
99	61.0	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 16.349 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion:	69	Resp:	122622
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.1	81.1
39	35.5	28.1	42.1

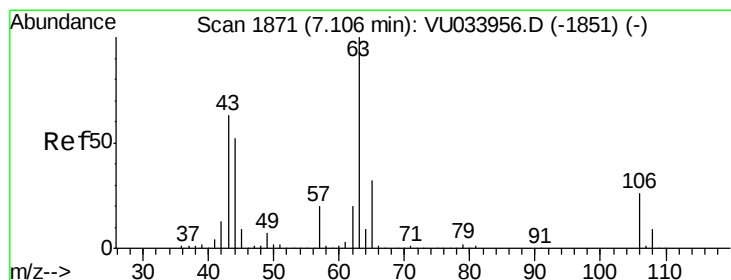
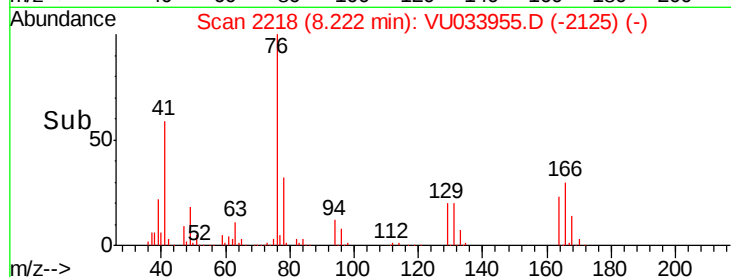
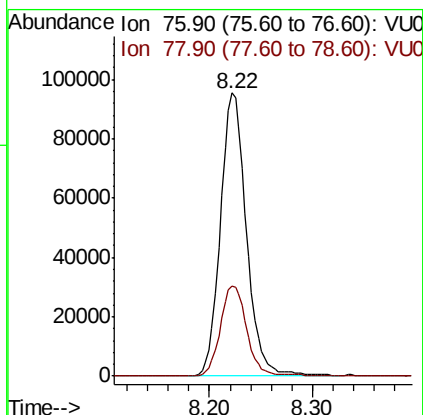
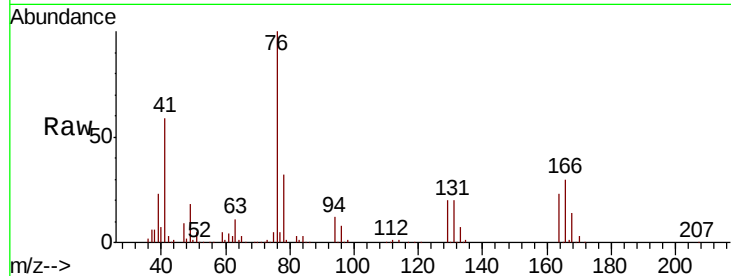




#57
 1,3-Dichloropropane
 Concen: 20.255 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

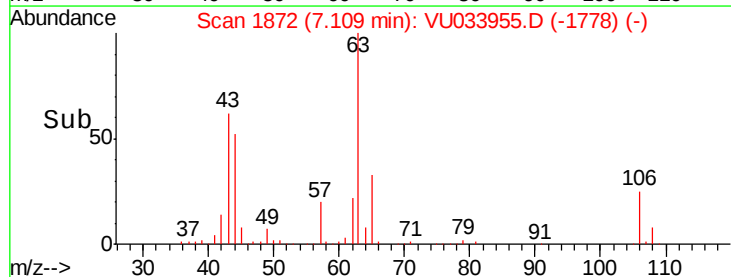
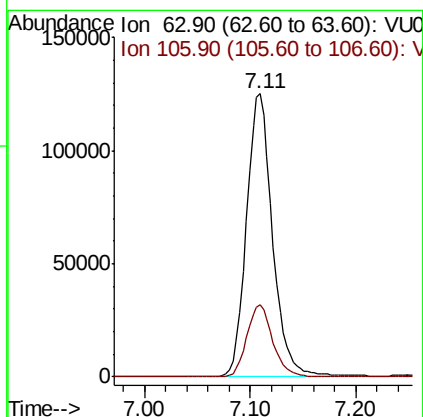
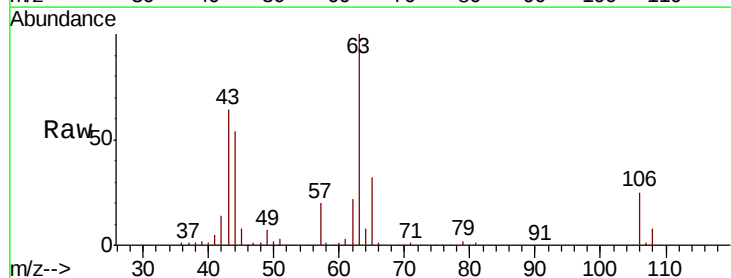
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

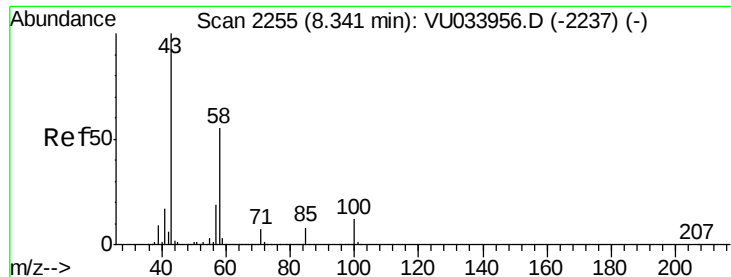
Tot Ion: 76 Resp: 167670
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 58.382 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion: 63 Resp: 215263
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.8 31.2

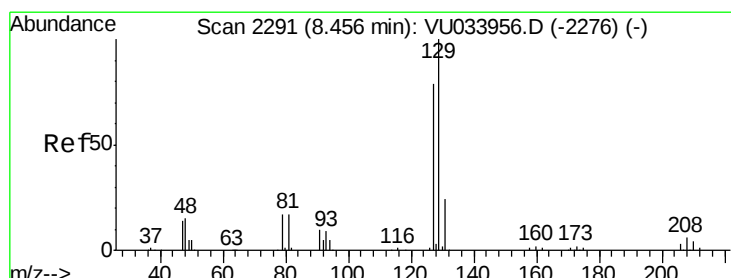
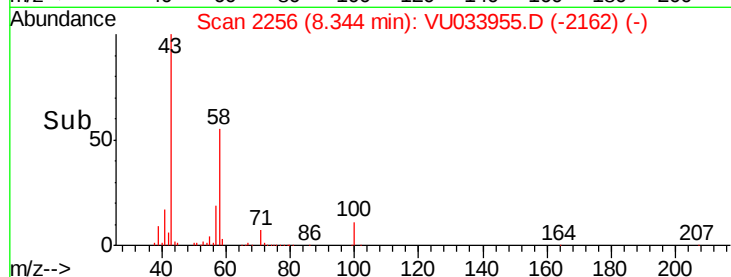
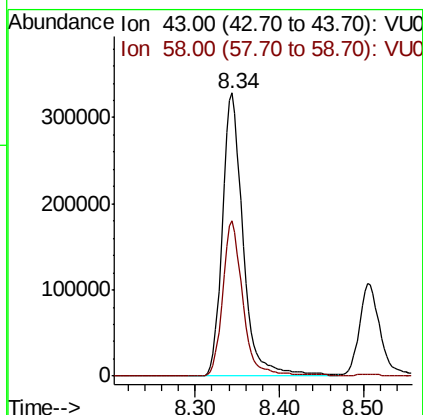
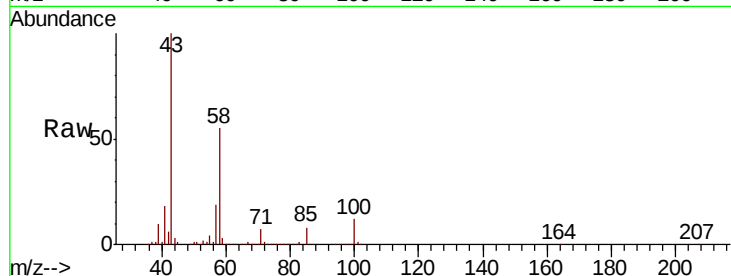




#59
2-Hexanone
Concen: 86.259 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

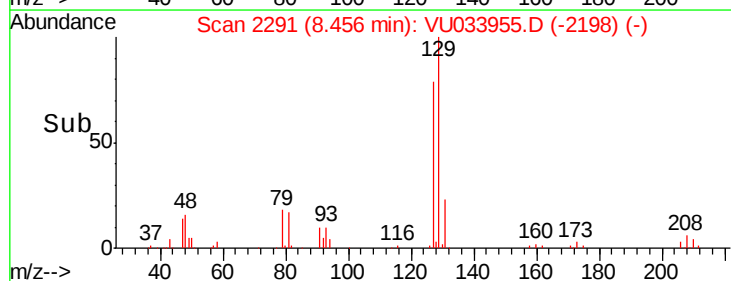
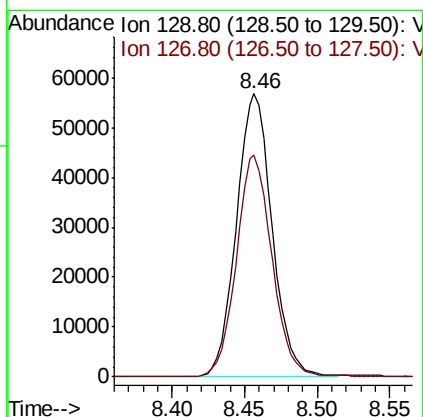
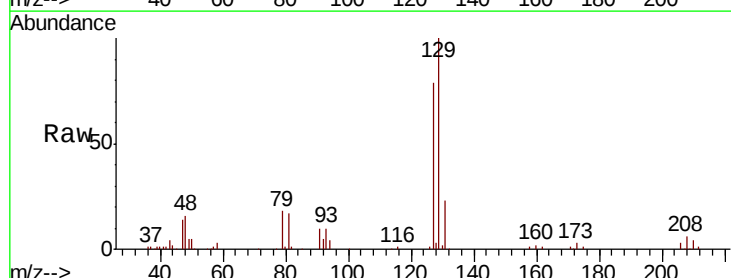
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

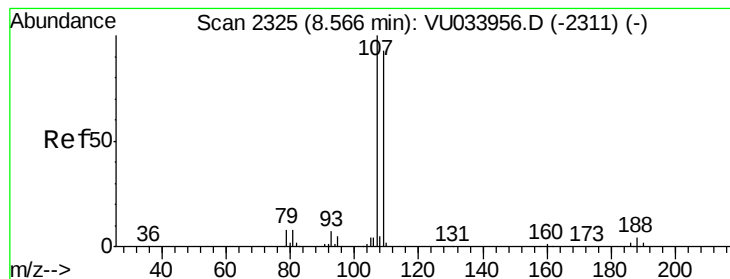
Tot Ion: 43 Resp: 562595
Ion Ratio Lower Upper
43 100
58 53.3 27.3 81.9



#60
Dibromochloromethane
Concen: 21.763 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 129 Resp: 97011
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.974 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

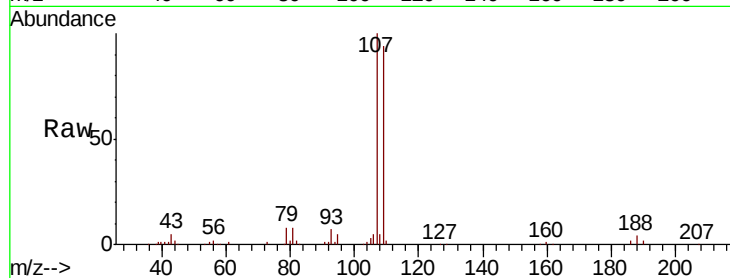
VSTDIC020

Tot Ion:107 Resp: 98619

Ion Ratio Lower Upper

107 100

109 95.2 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

30000

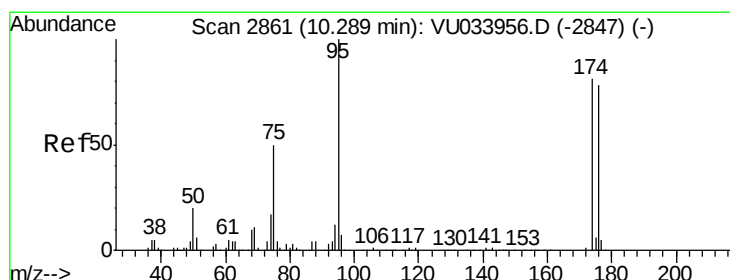
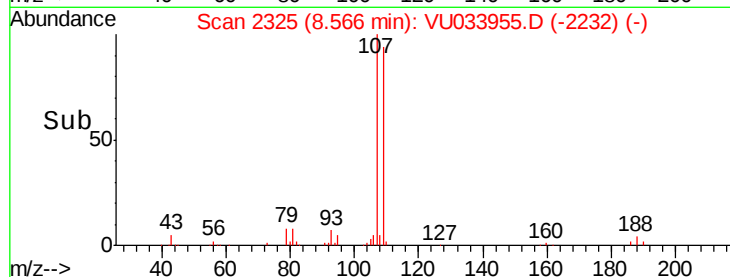
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 21.336 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

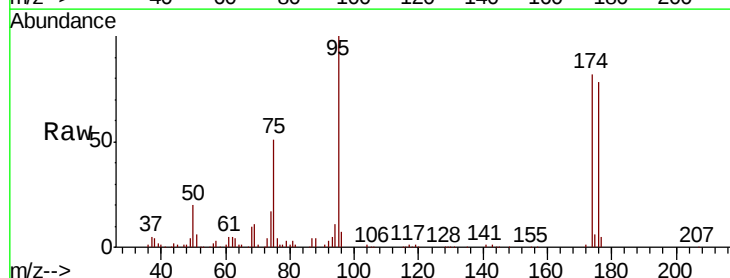
Tgt Ion: 95 Resp: 117752

Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.4

176 76.5 0.0 154.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

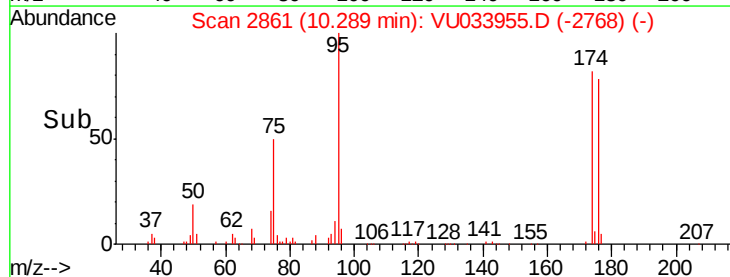
40000

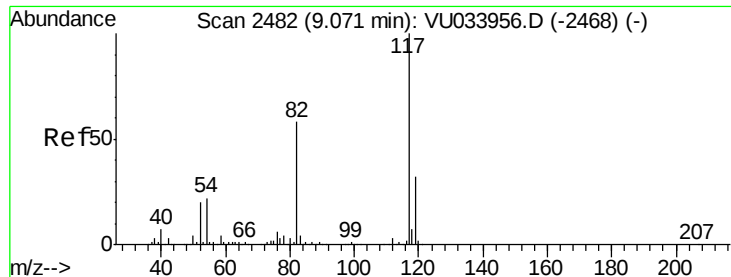
20000

0

10.20 10.30 10.40

Time-->

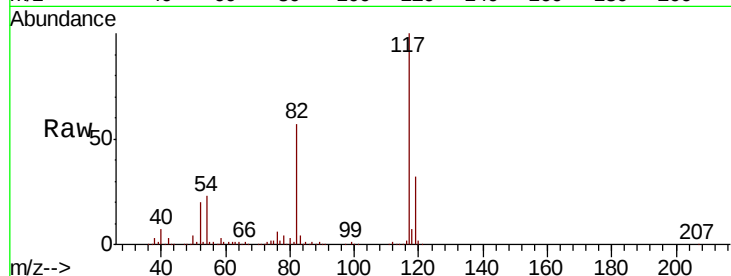




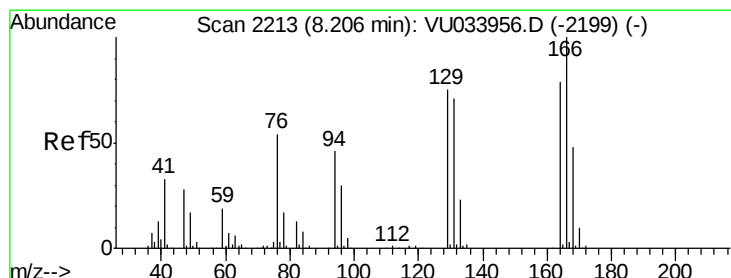
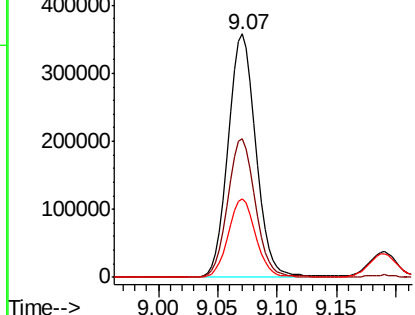
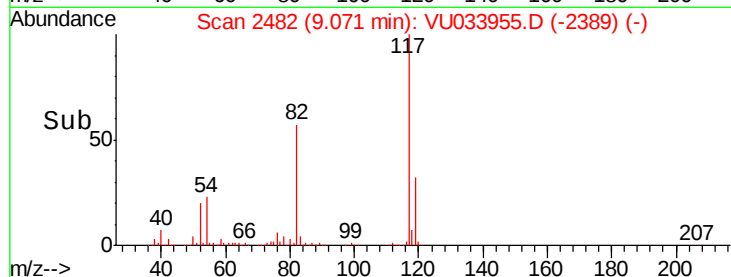
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 580170
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 32.4 25.3 37.9

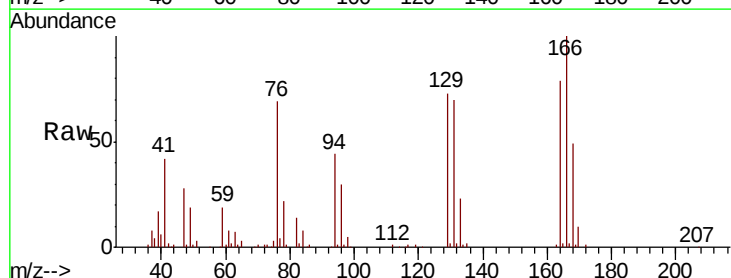


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU033955.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

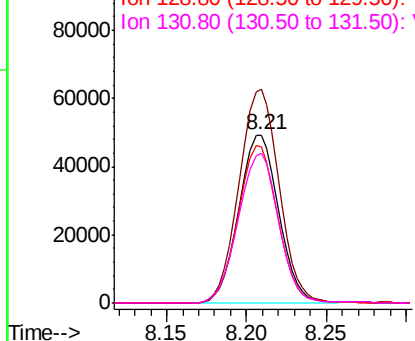
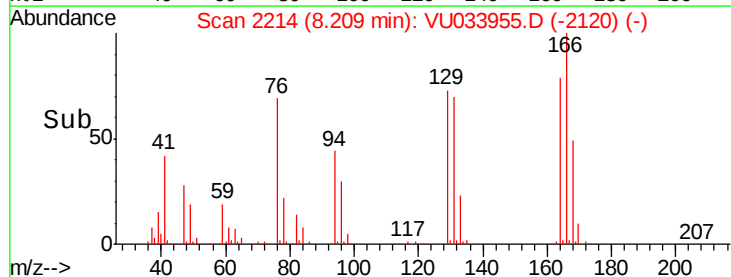


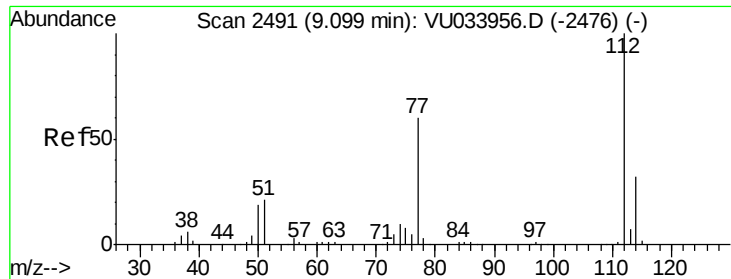
#64
Tetrachloroethene
Concen: 21.519 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion:164 Resp: 83913
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.2
129 92.7 76.6 114.8
131 88.6 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

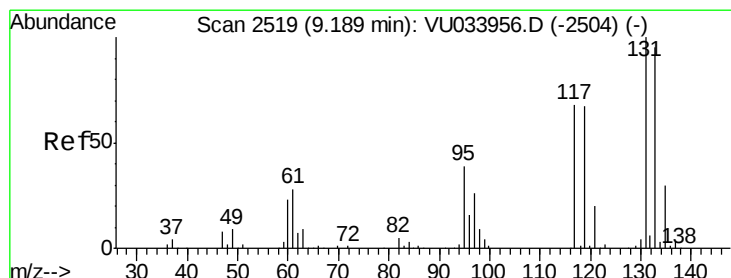
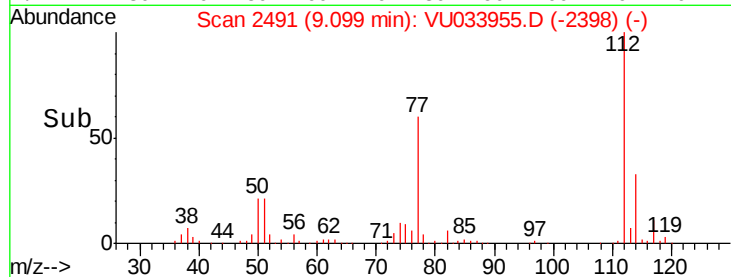
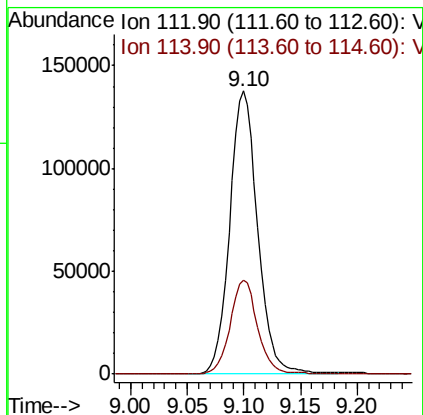
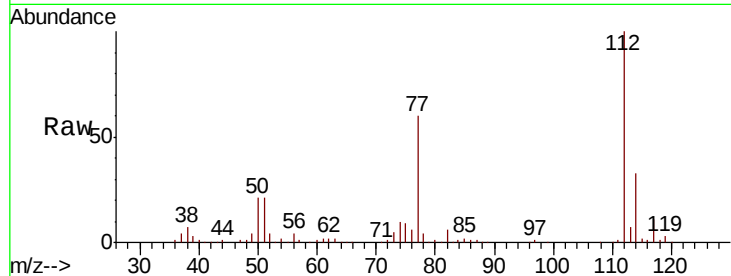




#65
Chlorobenzene
Concen: 19.323 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

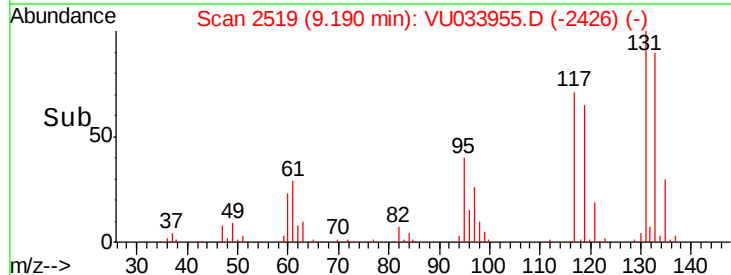
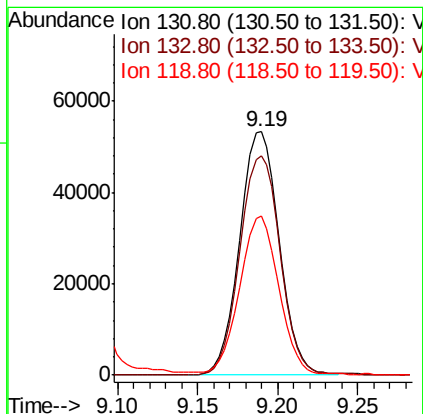
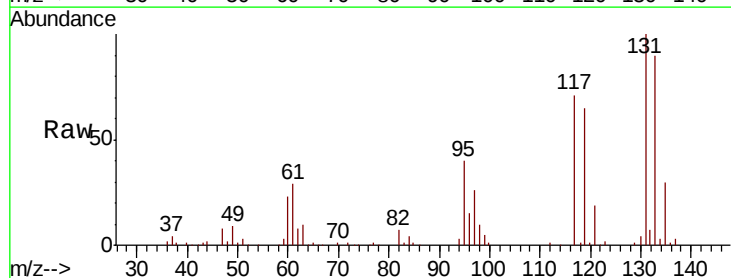
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

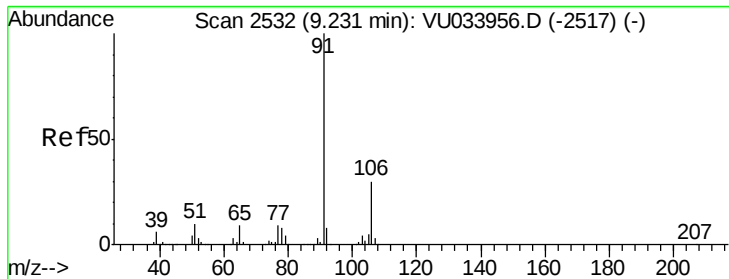
Tot Ion:112 Resp: 237305
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.497 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion:131 Resp: 89870
Ion Ratio Lower Upper
131 100
133 92.3 47.7 143.1
119 64.7 33.3 99.8





#67

Ethyl Benzene

Concen: 17.634 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

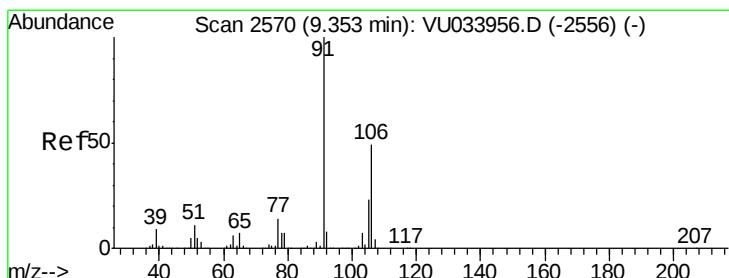
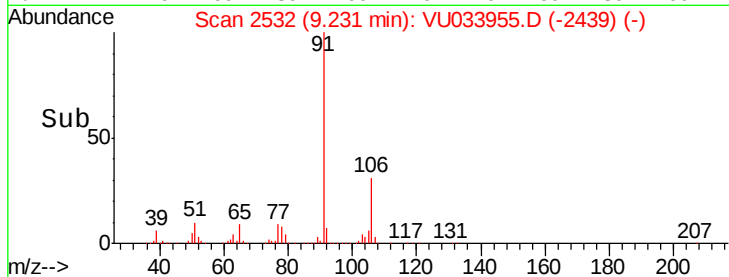
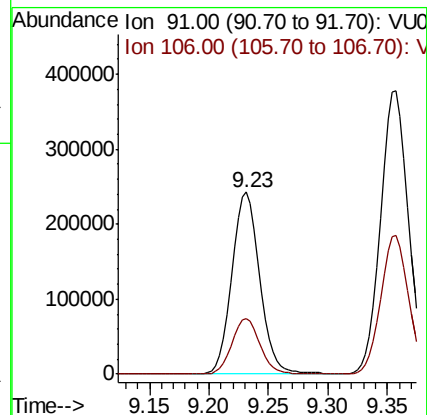
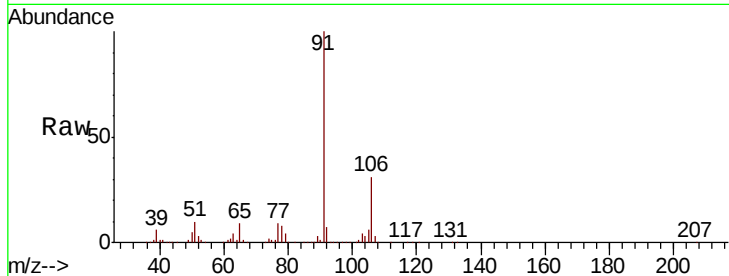
VSTDIC020

Tot Ion: 91 Resp: 395348

Ion Ratio Lower Upper

91 100

106 30.8 24.3 36.5



#68

m/p-Xylenes

Concen: 37.249 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033955.D

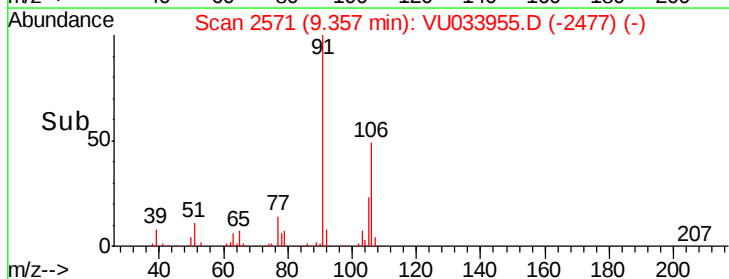
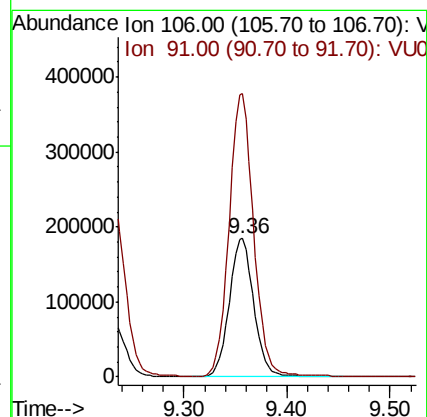
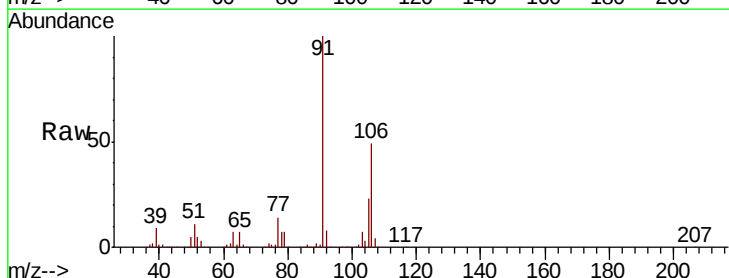
Acq: 26 Aug 2019 17:27

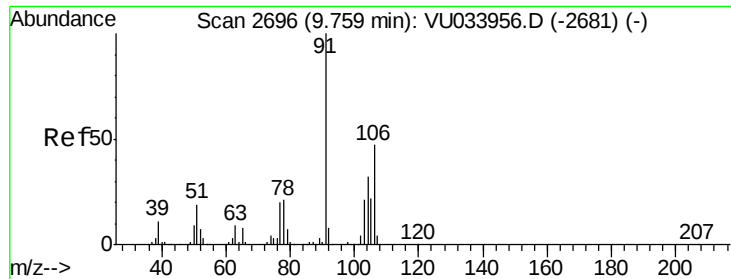
Tgt Ion: 106 Resp: 304630

Ion Ratio Lower Upper

106 100

91 205.2 163.8 245.6

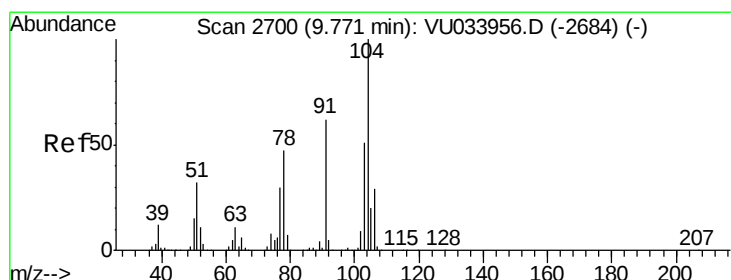
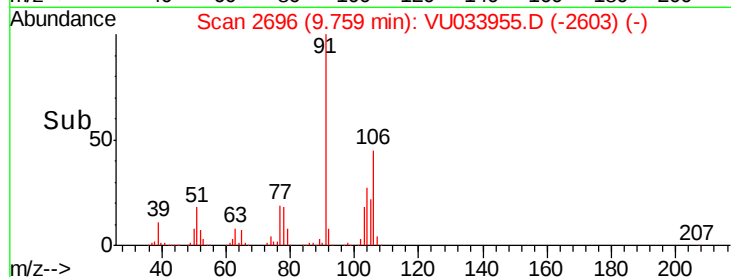
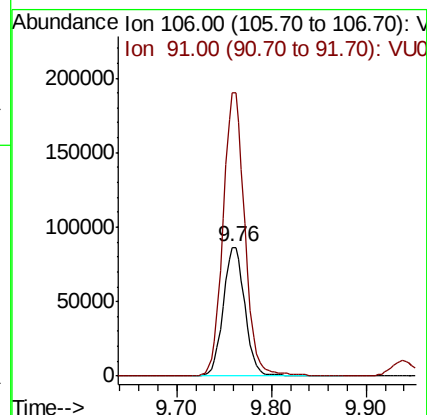
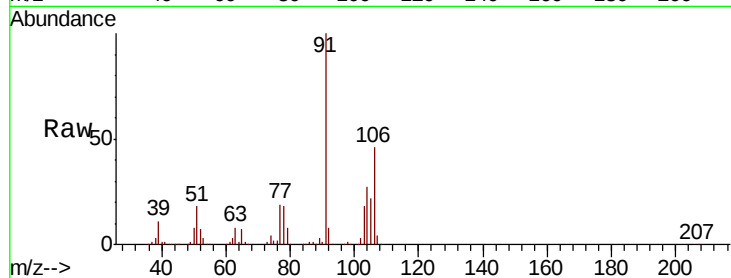




#69
o-Xylene
Concen: 17.418 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

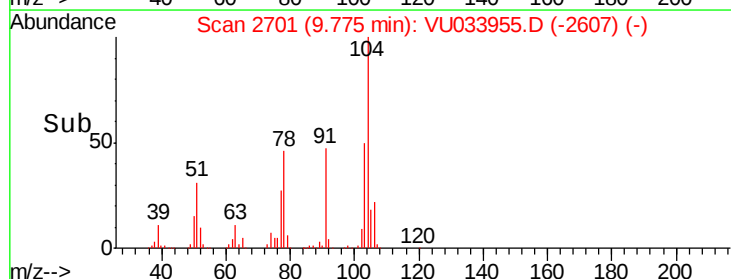
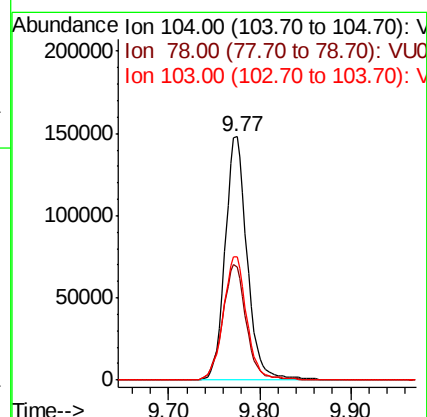
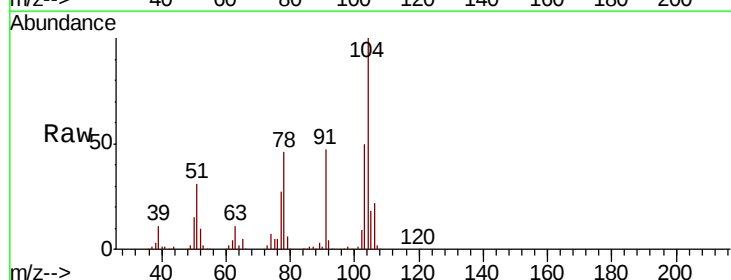
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

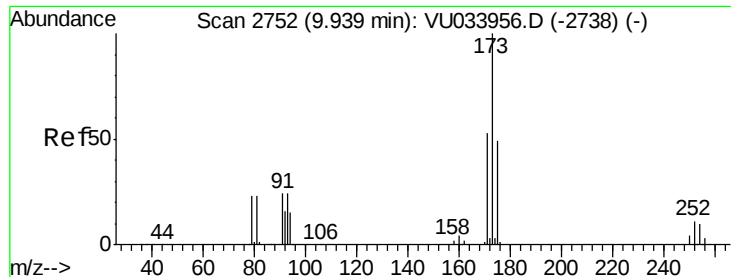
Tot Ion:106 Resp: 138057
Ion Ratio Lower Upper
106 100
91 218.5 106.9 320.7



#70
Styrene
Concen: 18.802 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion:104 Resp: 249576
Ion Ratio Lower Upper
104 100
78 50.7 40.4 60.6
103 54.1 43.8 65.6





#71

Bromoform

Concen: 21.562 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

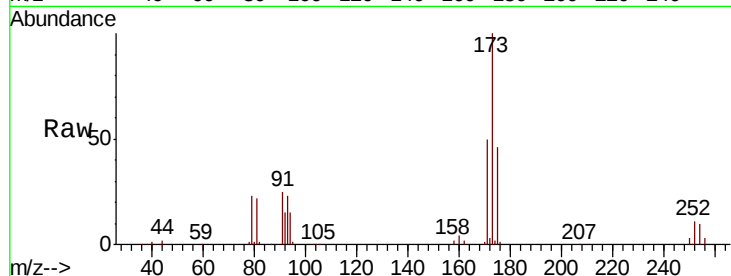
Tot Ion:173 Resp: 73257

Ion Ratio Lower Upper

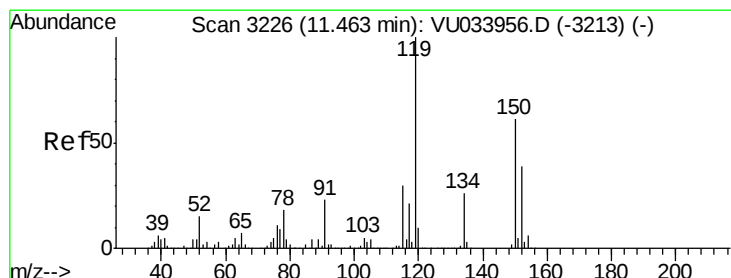
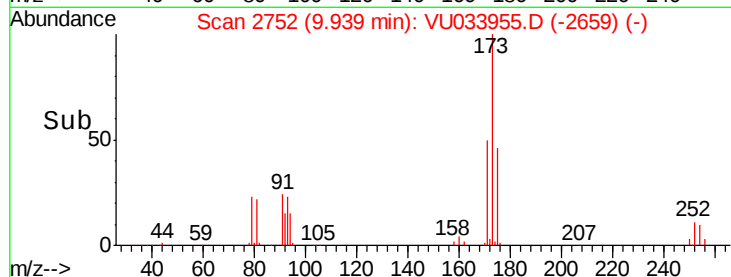
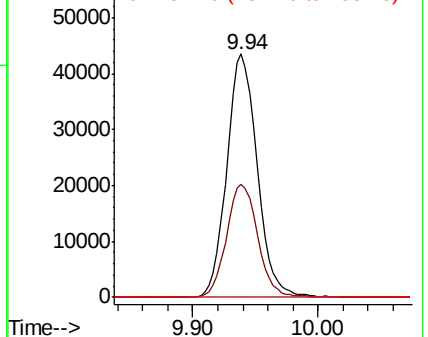
173 100

175 47.5 24.8 74.3

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

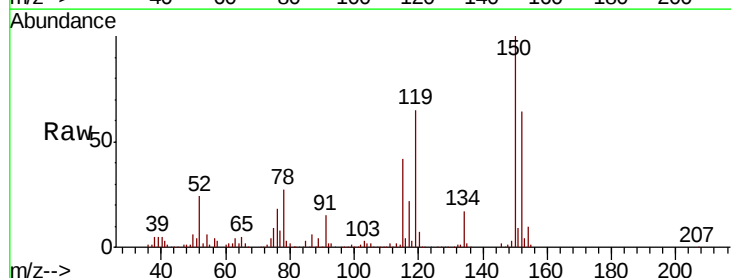
Tgt Ion:152 Resp: 307994

Ion Ratio Lower Upper

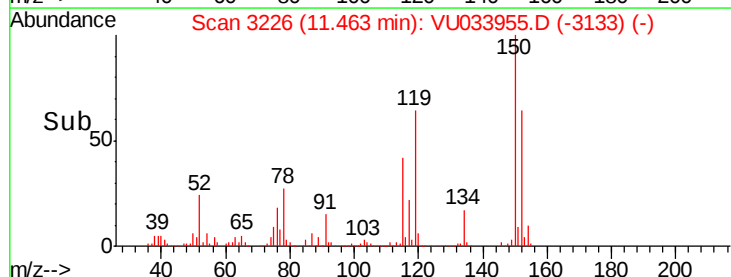
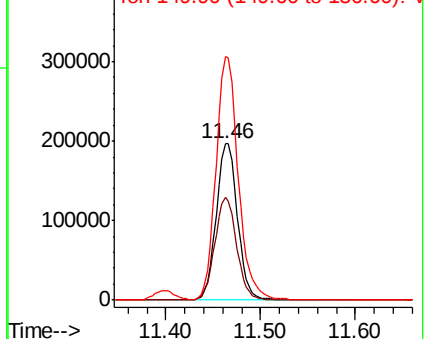
152 100

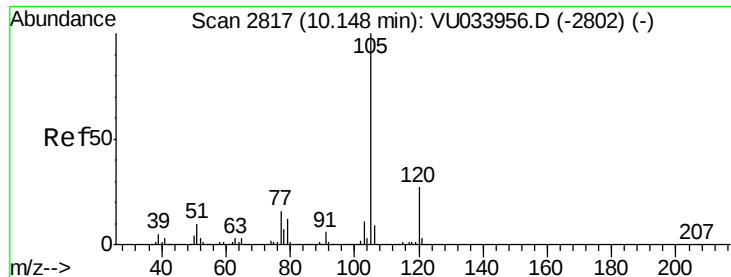
115 67.3 40.3 120.9

150 162.3 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: 16.653 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampled :

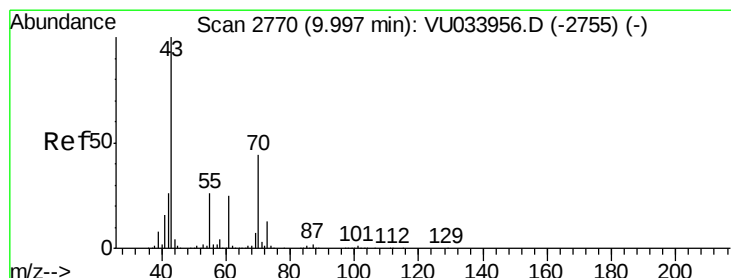
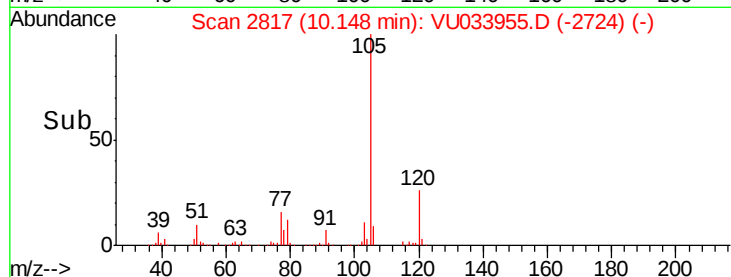
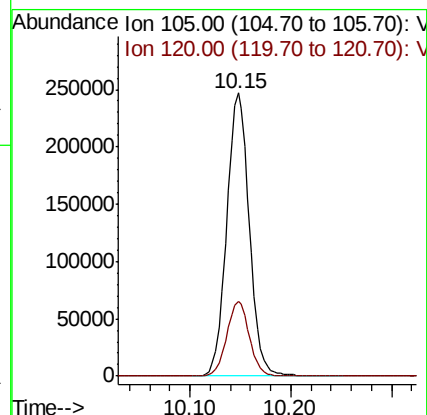
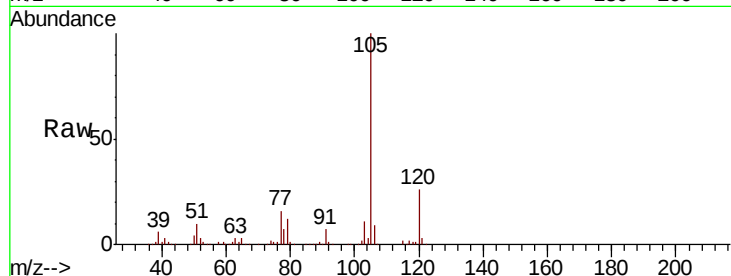
VSTDIC020

Tot Ion:105 Resp: 385215

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 12.453 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion: 43 Resp: 161134

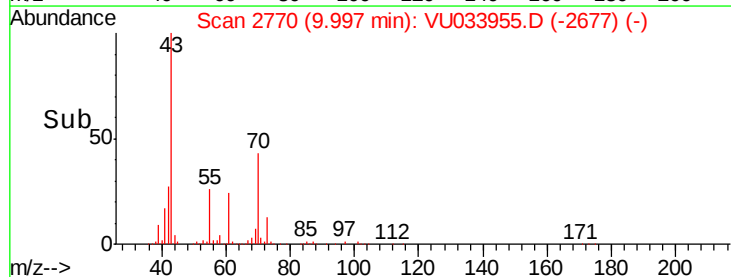
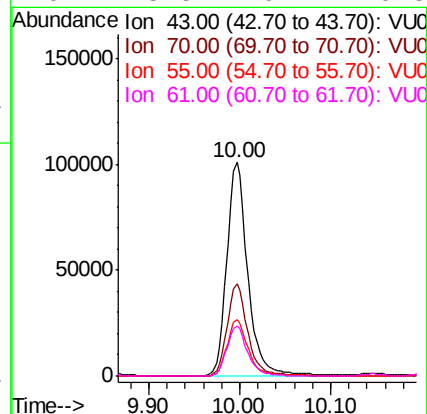
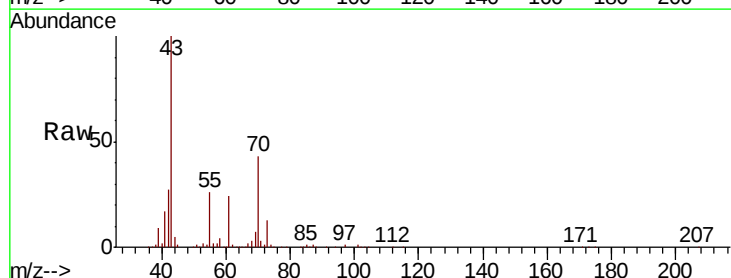
Ion Ratio Lower Upper

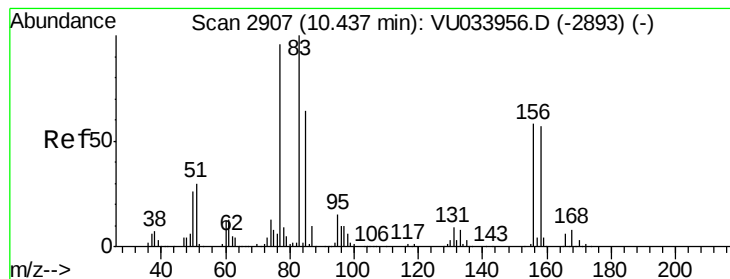
43 100

70 42.6 34.5 51.7

55 26.8 20.9 31.3

61 23.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.014 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

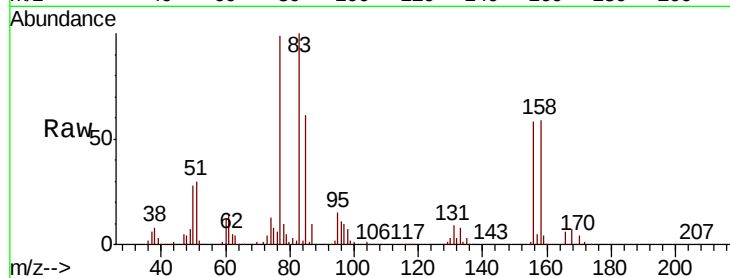
MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 159953

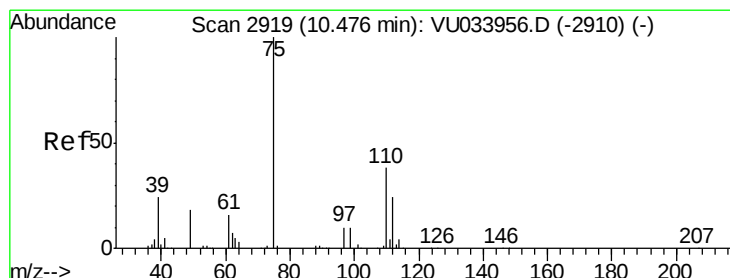
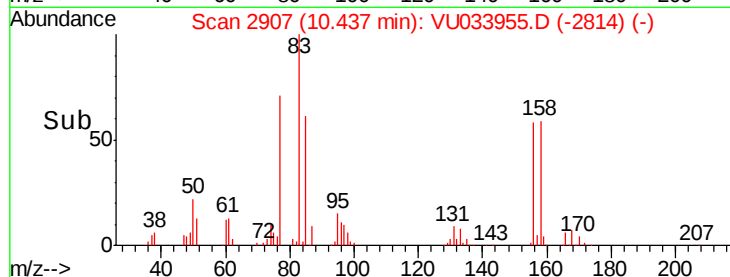
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.6	13.8
85	63.9	32.4	97.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 23.455 ug/l

RT: 10.48 min Scan# 2919

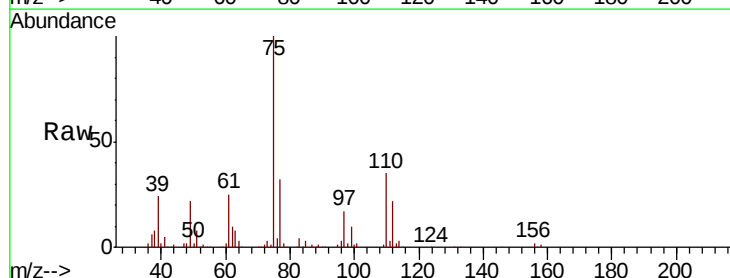
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

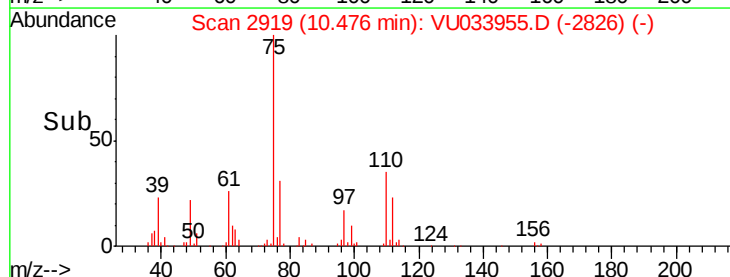
Tgt Ion: 75 Resp: 181097

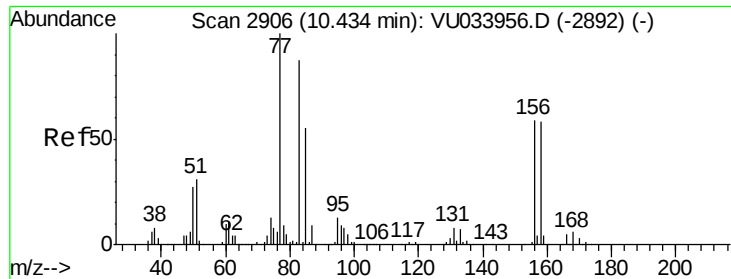
Ion	Ratio	Lower	Upper
75	100		
77	32.0	20.1	60.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

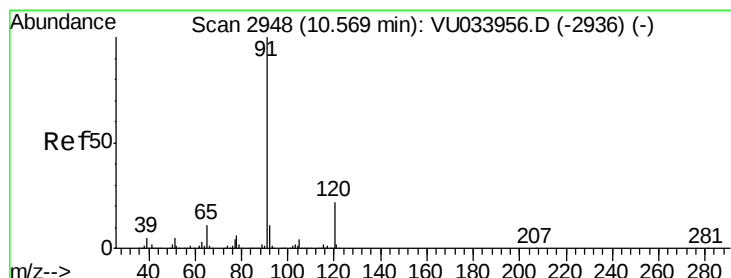
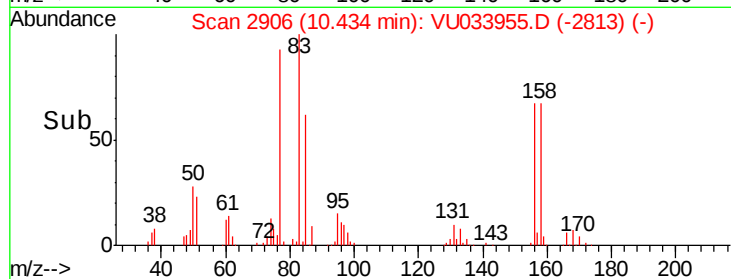
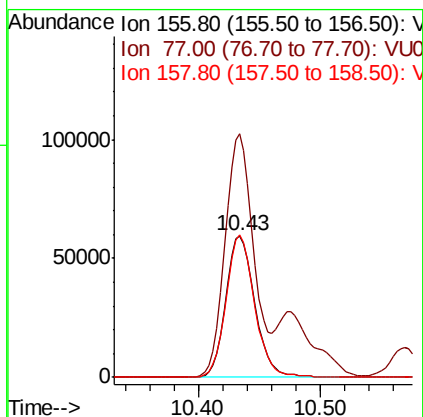
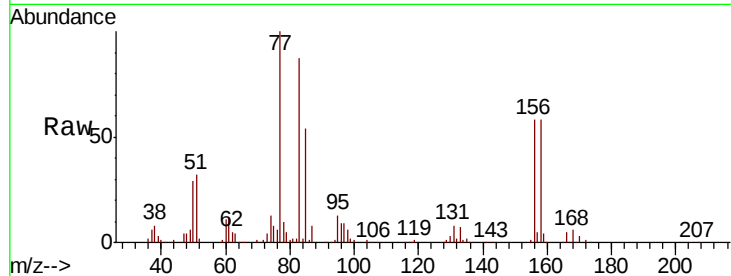




#77
Bromobenzene
Concen: 18.266 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

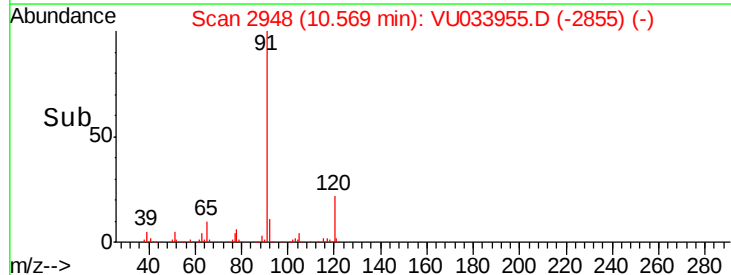
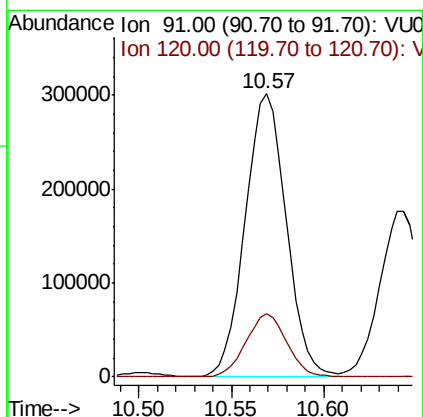
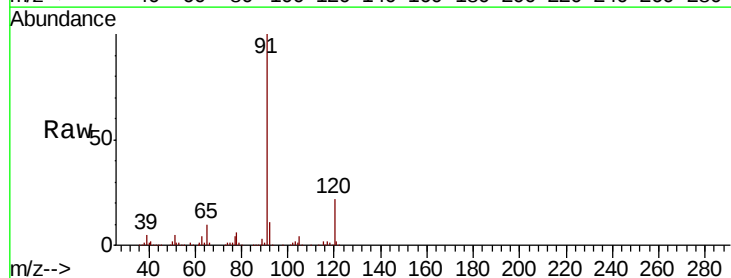
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

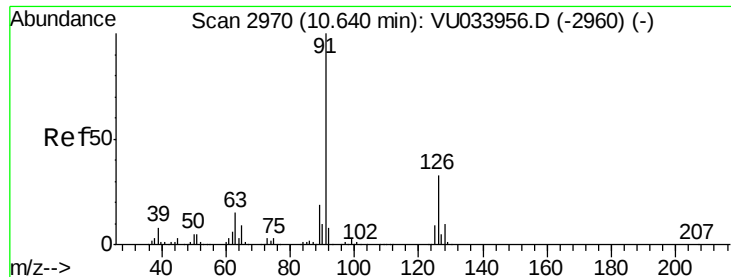
Tot Ion:156 Resp: 99797
Ion Ratio Lower Upper
156 100
77 169.2 85.3 255.8
158 98.7 48.9 146.7



#78
n-propylbenzene
Concen: 16.177 ug/l
RT: 10.57 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 91 Resp: 462727
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.6





#79

2-Chlorotoluene

Concen: 17.098 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

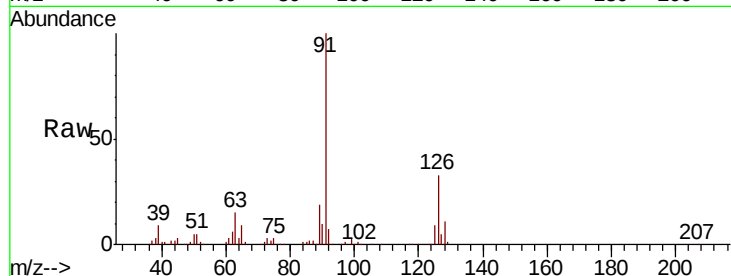
VSTDIC020

Tot Ion: 91 Resp: 281792

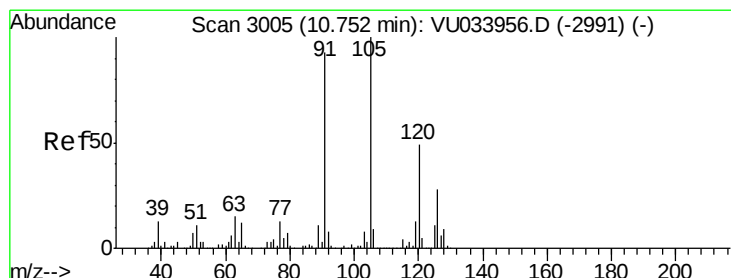
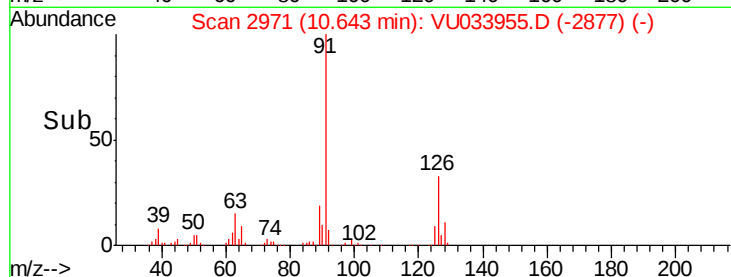
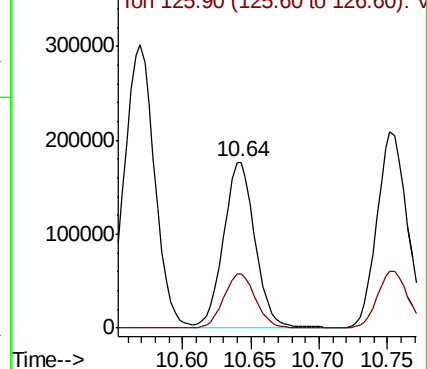
Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VU033955.D (-2970) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.571 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU033955.D

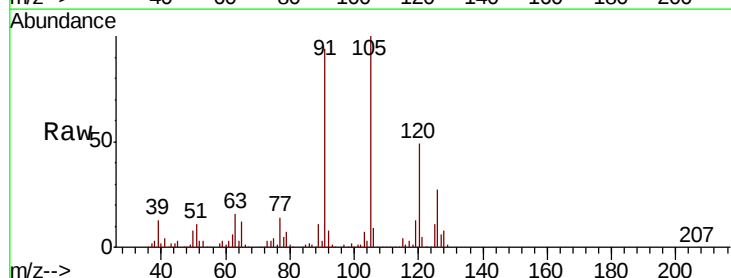
Acq: 26 Aug 2019 17:27

Tgt Ion:105 Resp: 337445

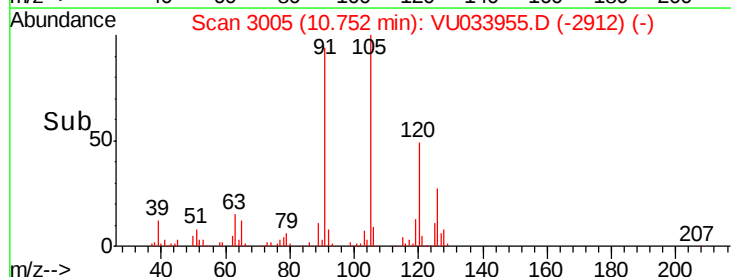
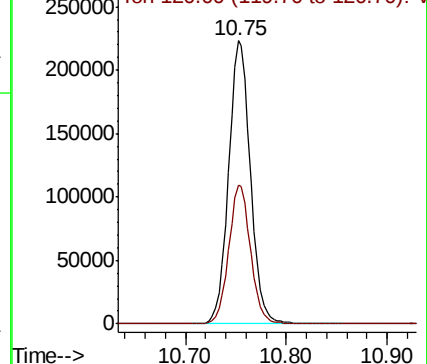
Ion Ratio Lower Upper

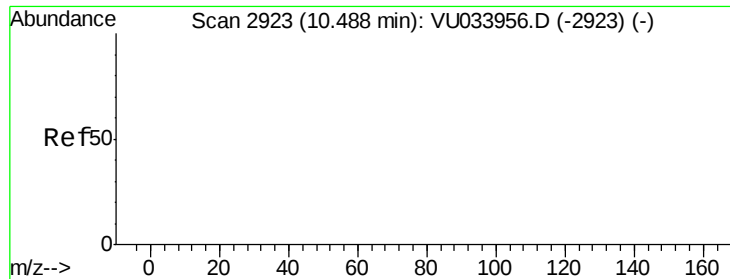
105 100

120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033955.D (-3004) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.820 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.01 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

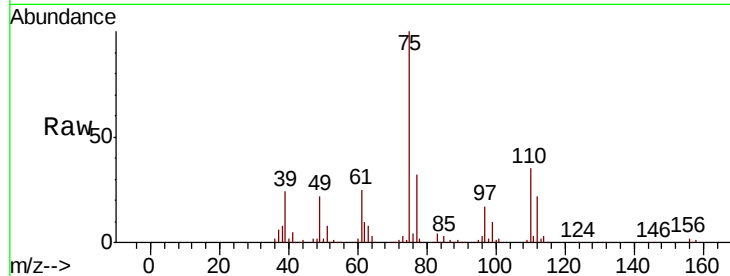
Tot Ion: 75 Resp: 181097

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

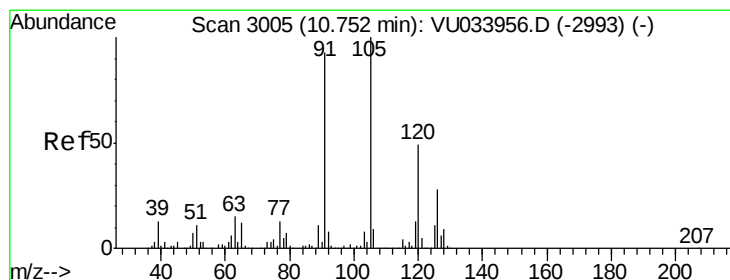
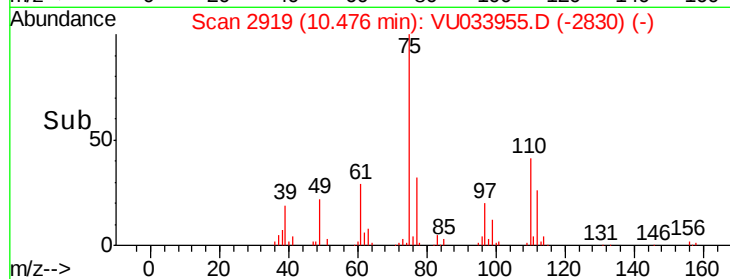
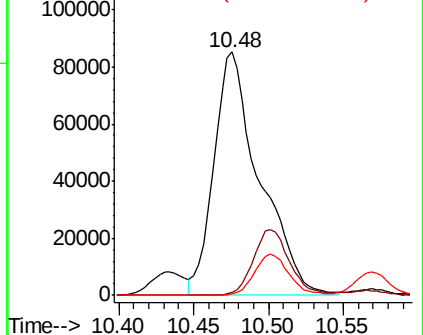
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 16.611 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU033955.D

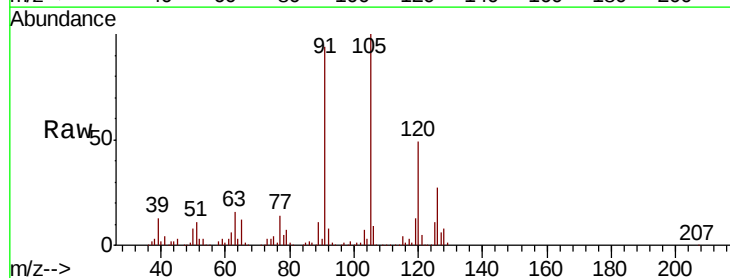
Acq: 26 Aug 2019 17:27

Tgt Ion: 91 Resp: 325365

Ion Ratio Lower Upper

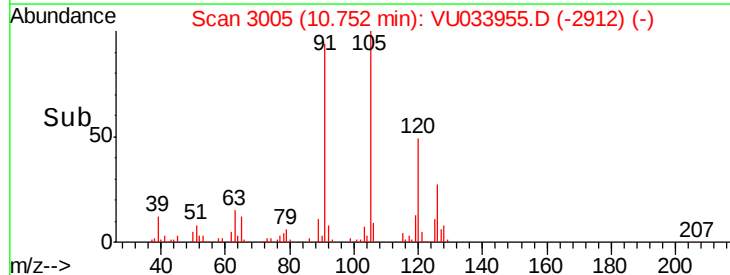
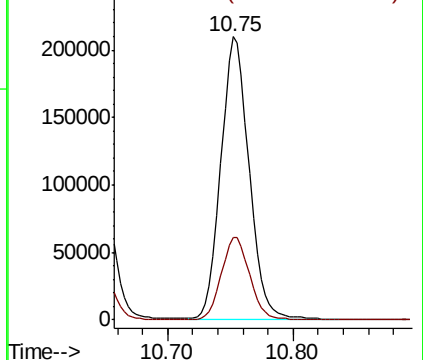
91 100

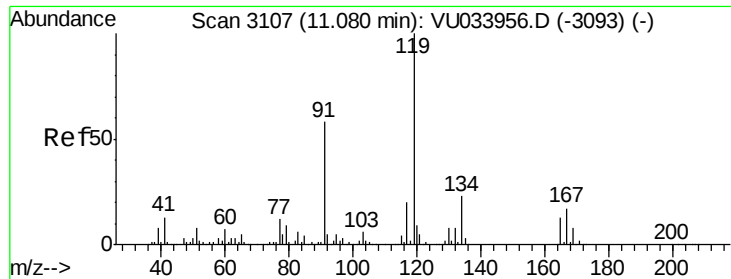
126 29.5 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

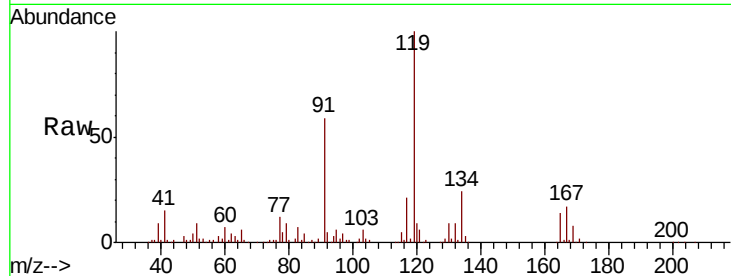




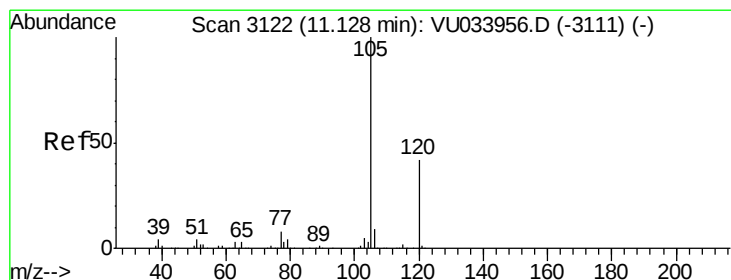
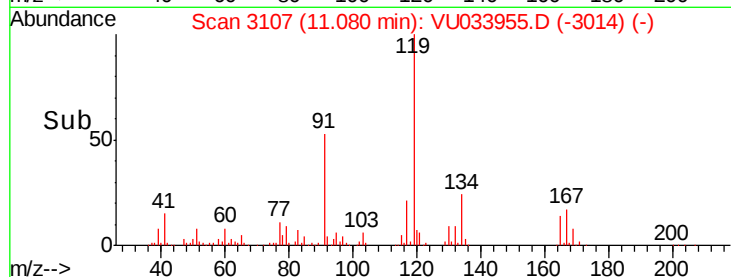
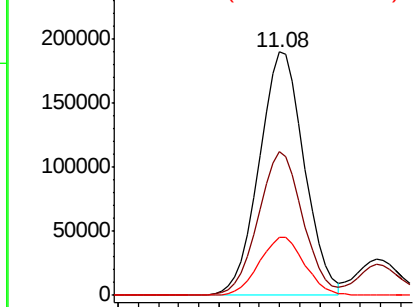
#83
tert-Butylbenzene
Concen: 16.013 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 295712
Ion Ratio Lower Upper
119 100
91 58.2 28.6 85.8
134 24.1 11.7 35.0

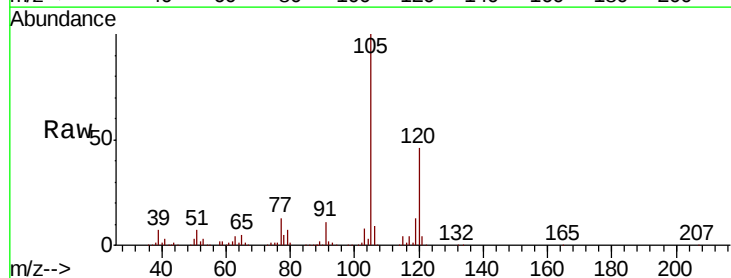


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

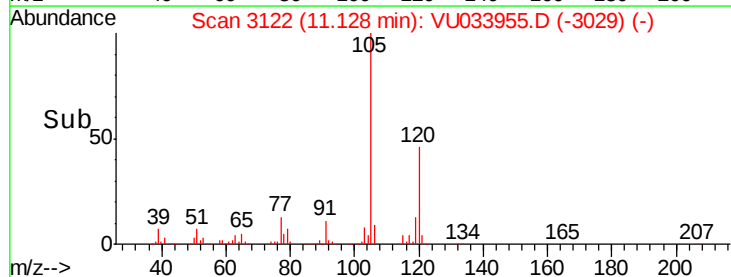
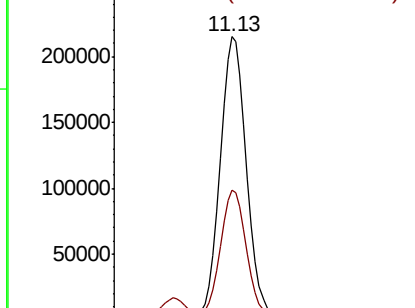


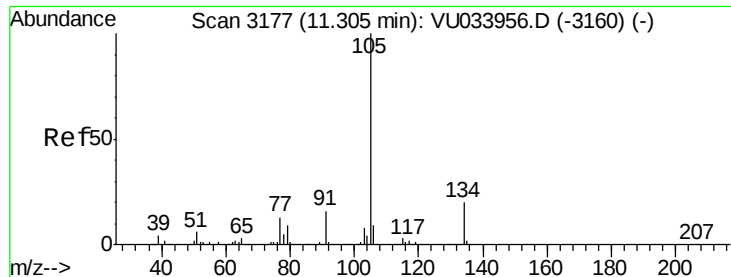
#84
1,2,4-Trimethylbenzene
Concen: 16.660 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion:105 Resp: 329010
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0



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

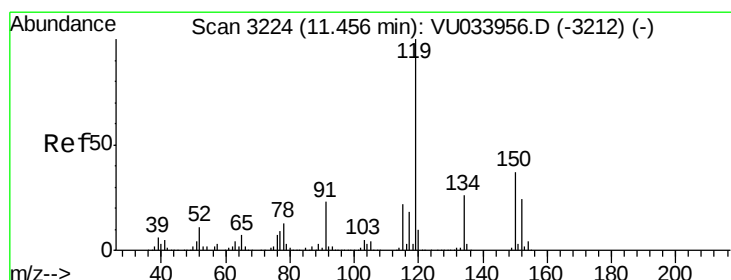
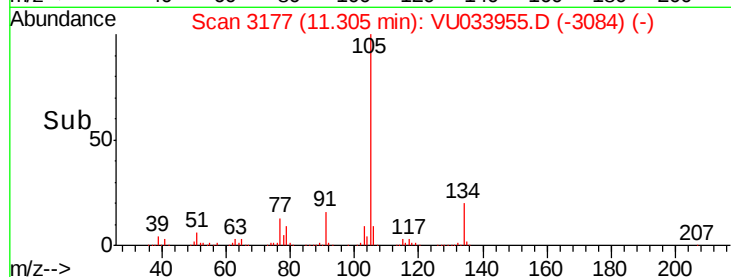
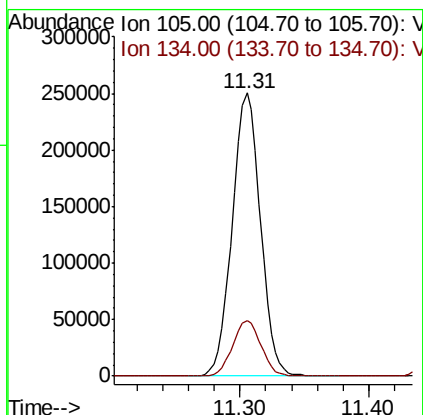
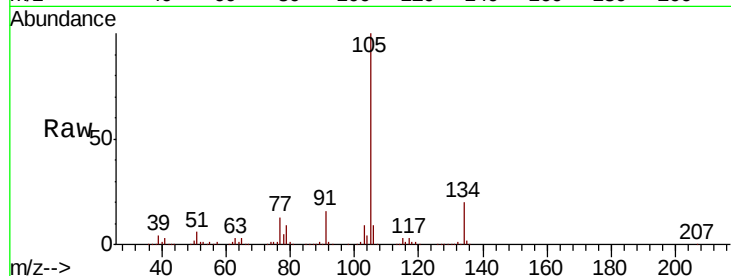




#85
 sec-Butylbenzene
 Concen: 16.060 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

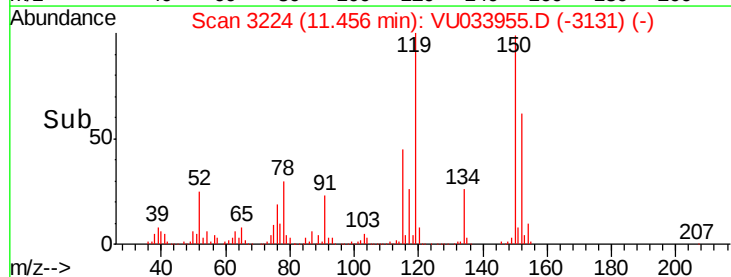
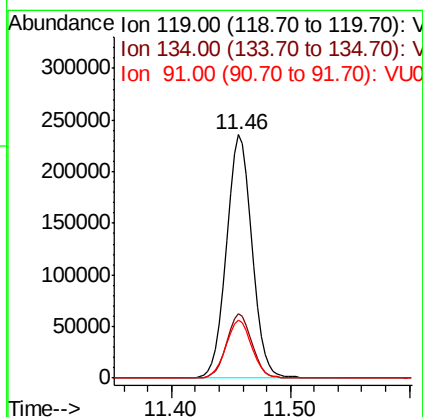
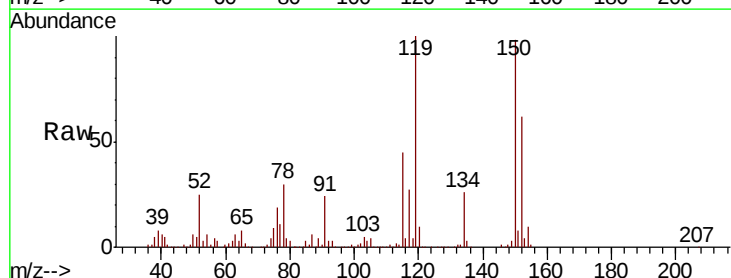
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

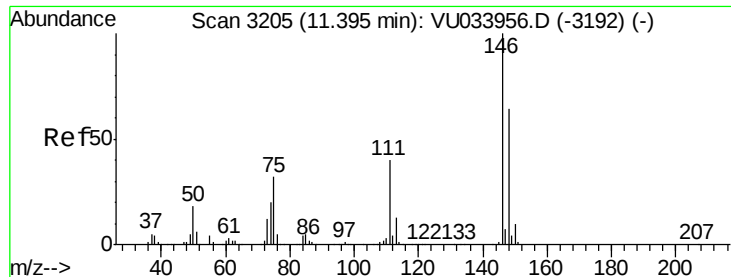
Tot Ion:105 Resp: 378932
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 17.129 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion:119 Resp: 348011
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.7
 91 23.9 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 17.936 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

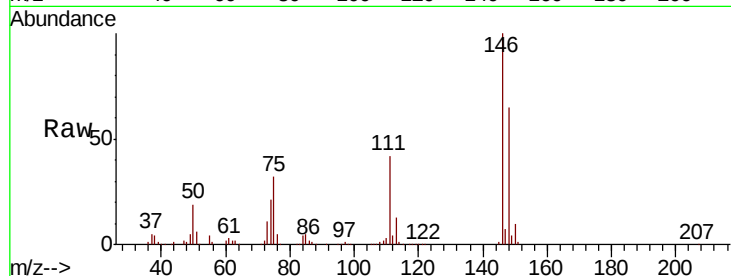
Tot Ion:146 Resp: 185235

Ion Ratio Lower Upper

146 100

111 41.5 20.1 60.2

148 63.9 31.8 95.4

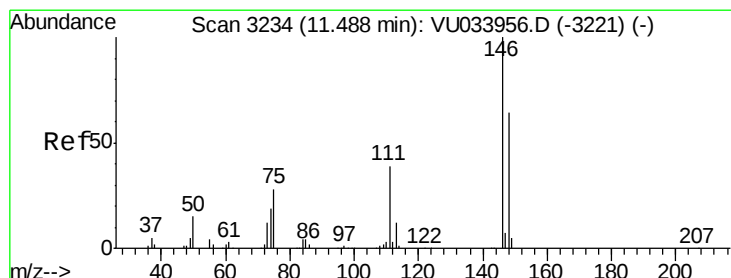
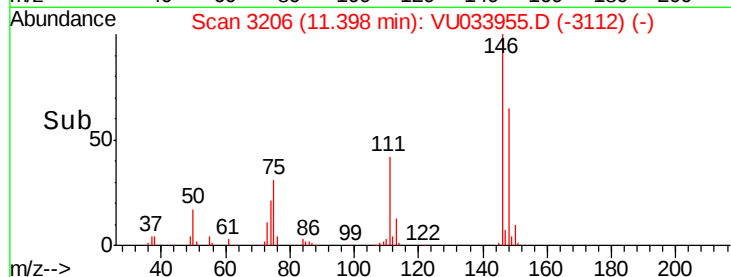
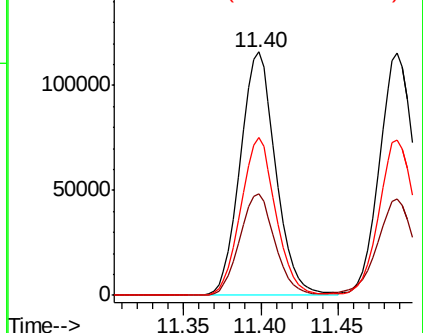


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.363 ug/l

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

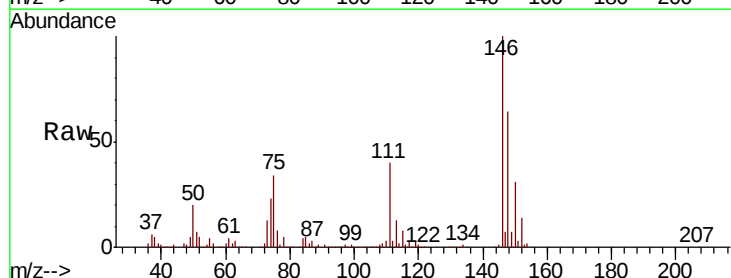
Tgt Ion:146 Resp: 185150

Ion Ratio Lower Upper

146 100

111 41.7 19.8 59.4

148 65.7 32.2 96.6

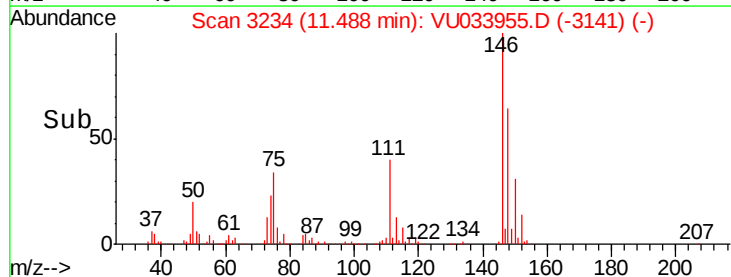
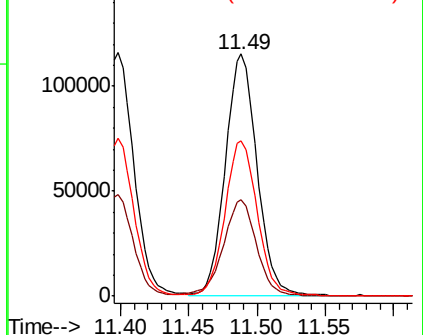


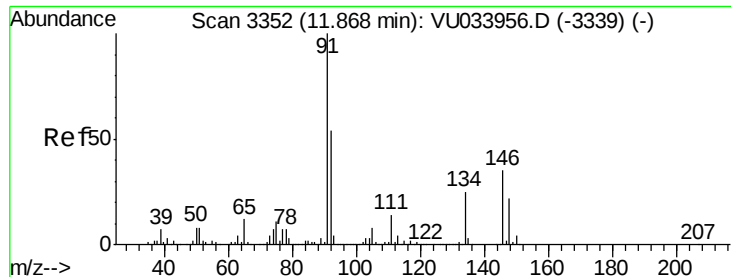
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

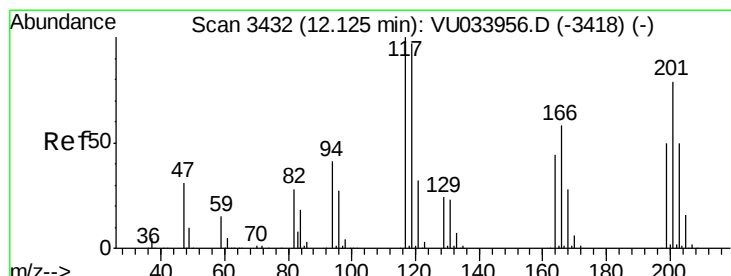
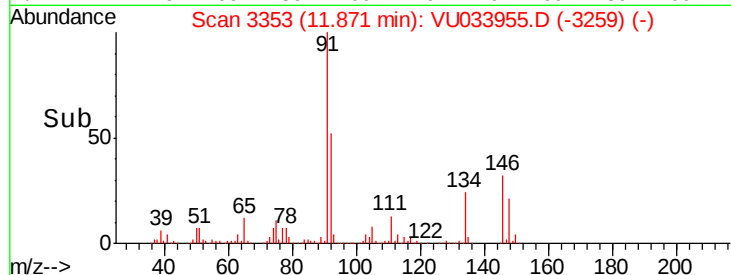
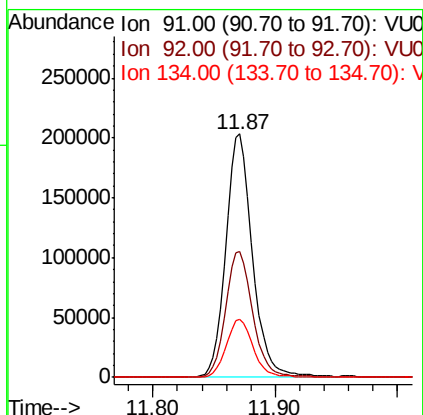
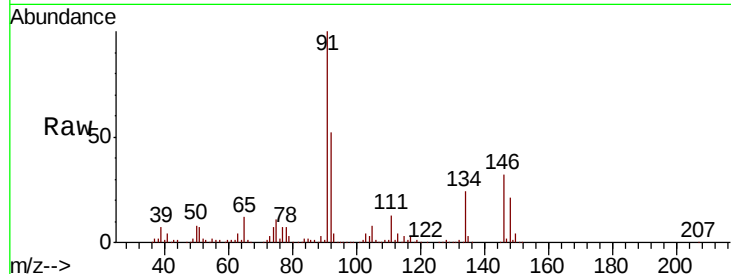




#89
n-Butylbenzene
Concen: 15.434 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

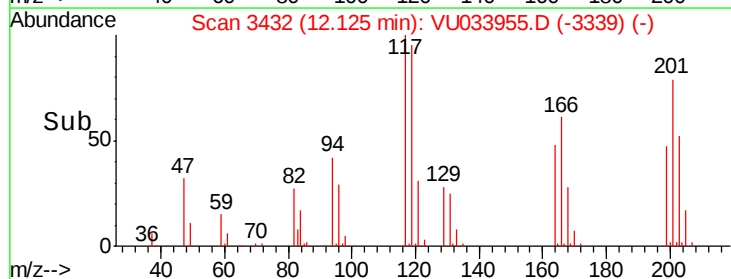
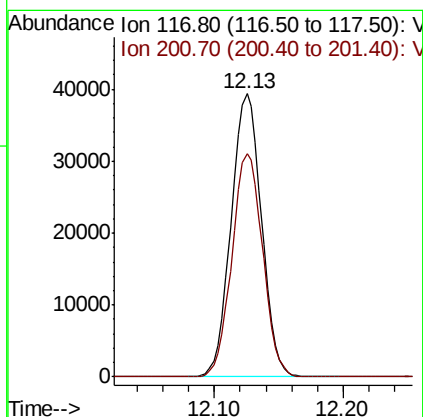
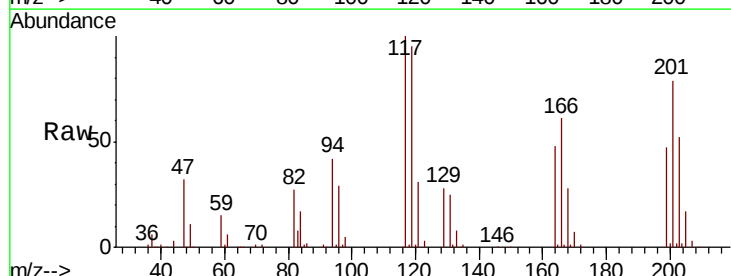
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

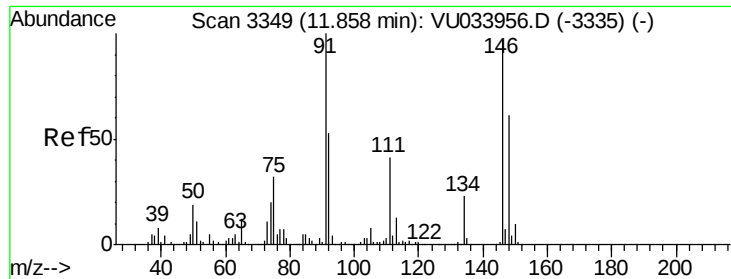
Tot Ion: 91 Resp: 313421
Ion Ratio Lower Upper
91 100
92 52.4 26.9 80.6
134 24.4 12.6 37.6



#90
Hexachloroethane
Concen: 20.459 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion: 117 Resp: 64452
Ion Ratio Lower Upper
117 100
201 79.6 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 17.225 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

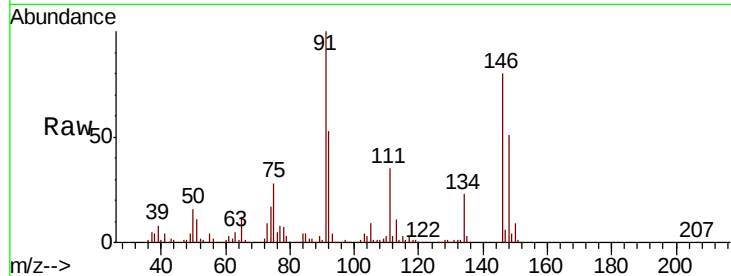
Tot Ion:146 Resp: 177278

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.1

148 64.3 31.7 95.1

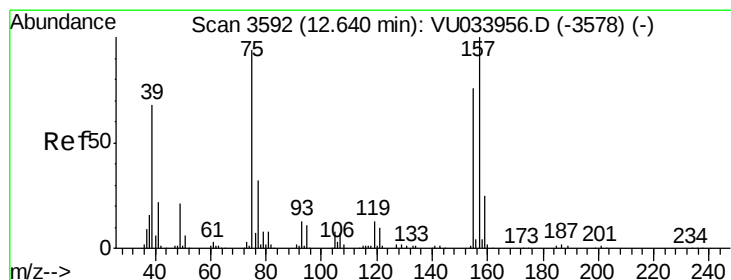
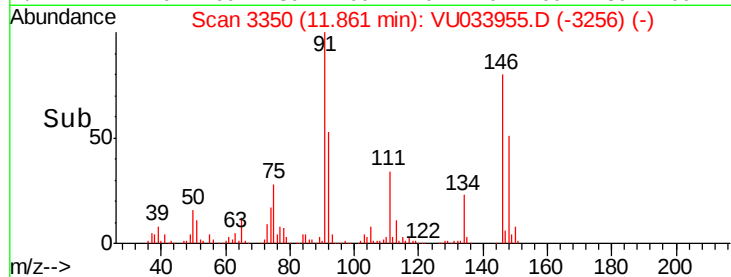
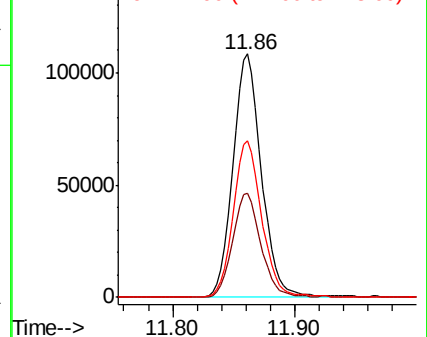


Abundance

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: 16.947 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

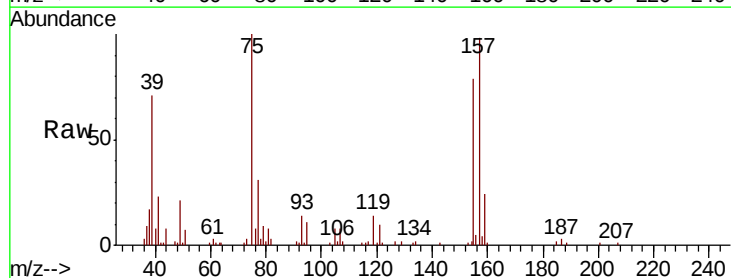
Tgt Ion: 75 Resp: 32559

Ion Ratio Lower Upper

75 100

155 78.7 40.0 119.9

157 103.5 51.9 155.7

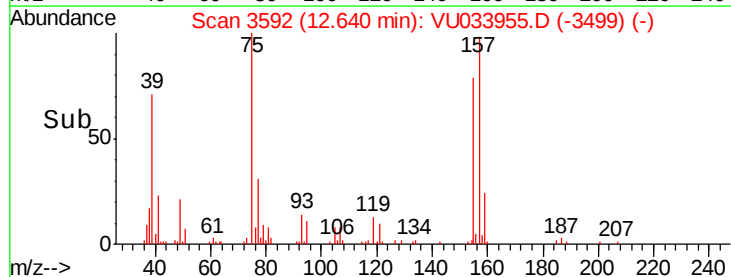
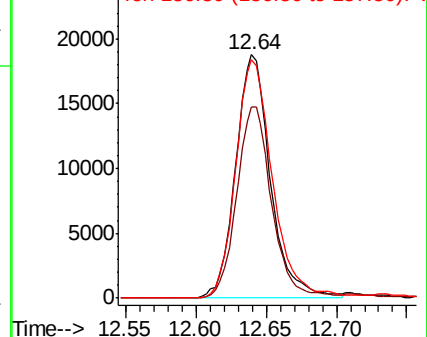


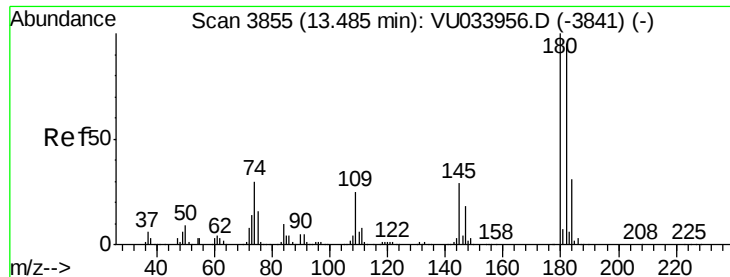
Abundance

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

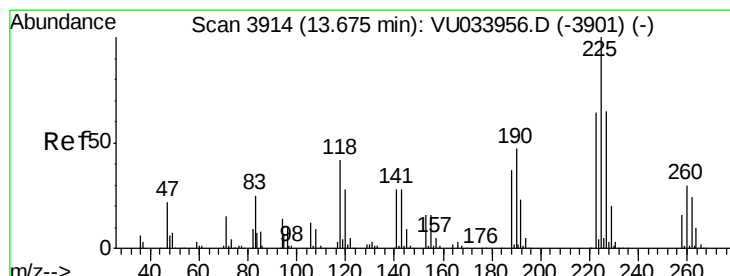
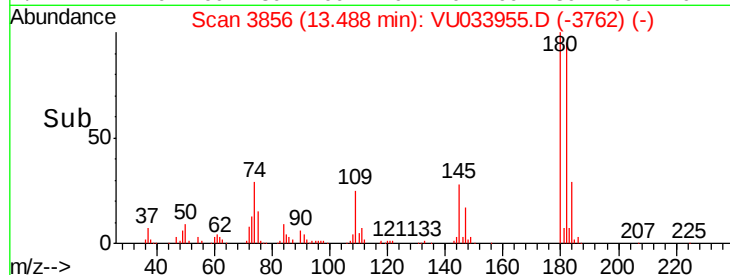
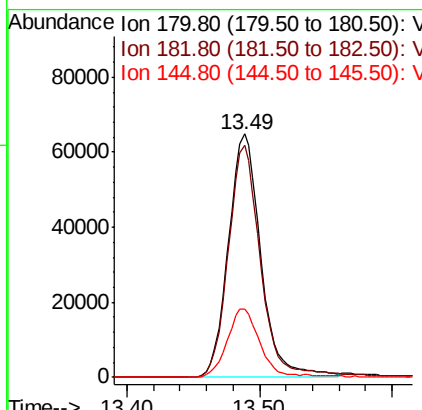
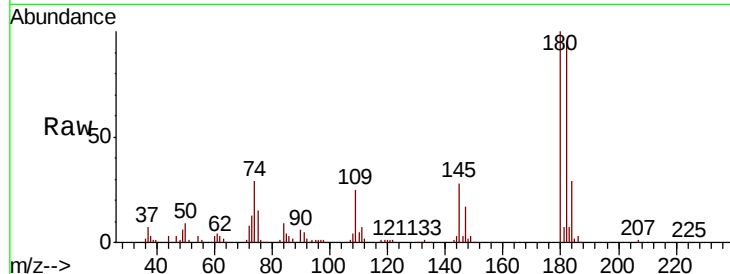




#93
 1,2,4-Trichlorobenzene
 Concen: 15.021 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

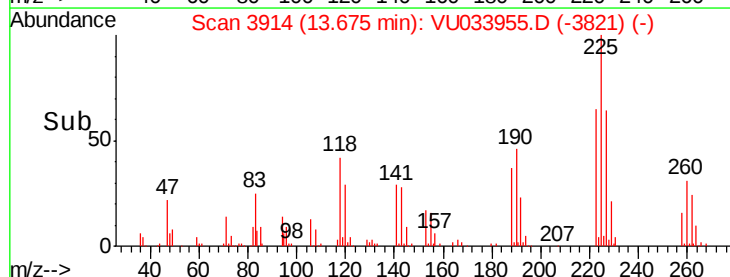
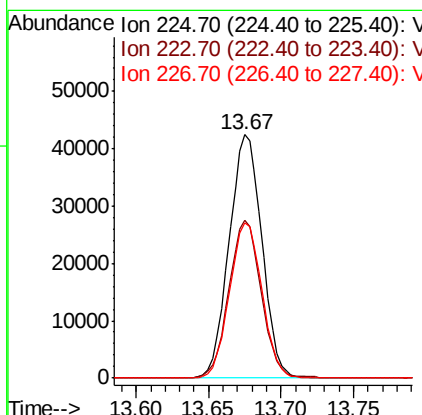
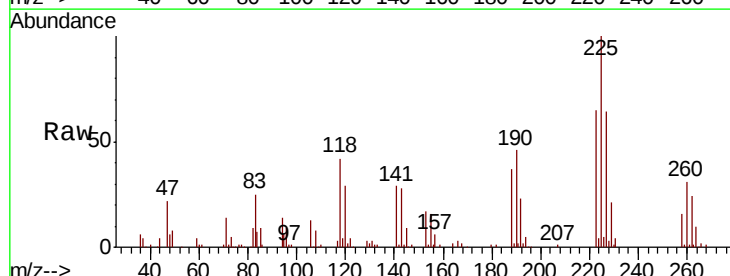
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

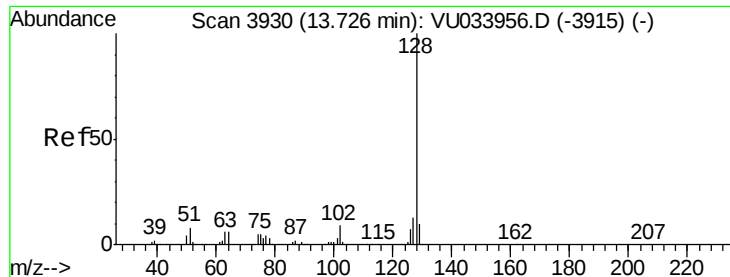
Tot Ion:180 Resp: 110534
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.3
 145 27.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.330 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion:225 Resp: 66624
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.4 94.0
 227 63.1 32.3 96.8





#95

Naphthalene

Concen: 12.026 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

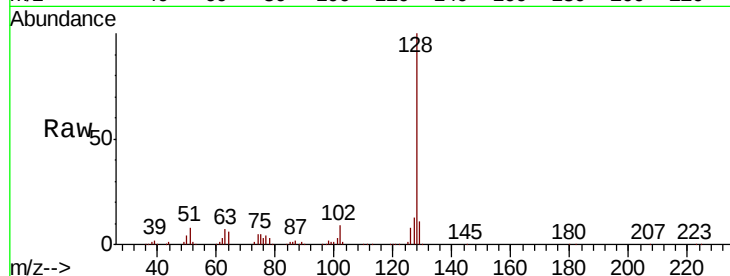
Tot Ion:128 Resp: 290016

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

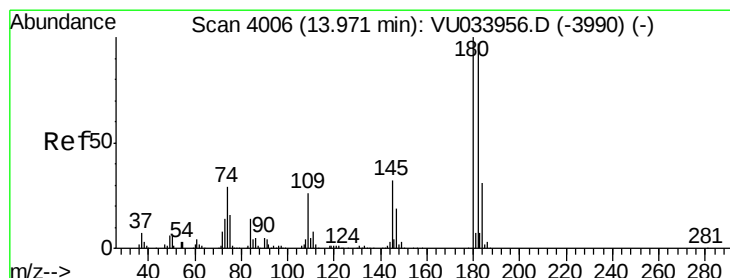
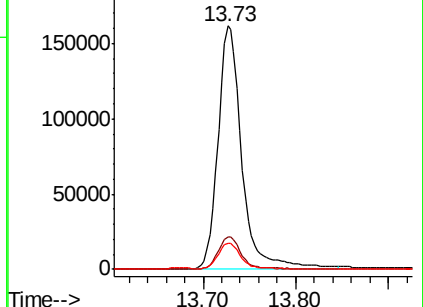
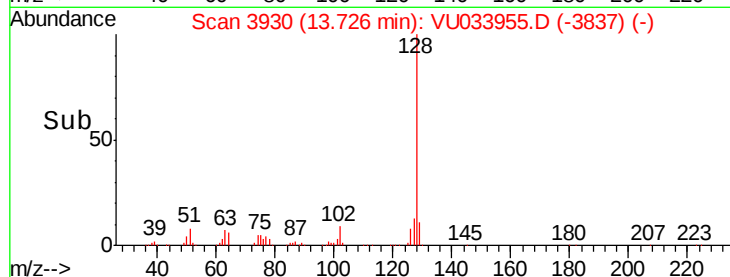
129 10.0 8.3 12.5



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: 15.080 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

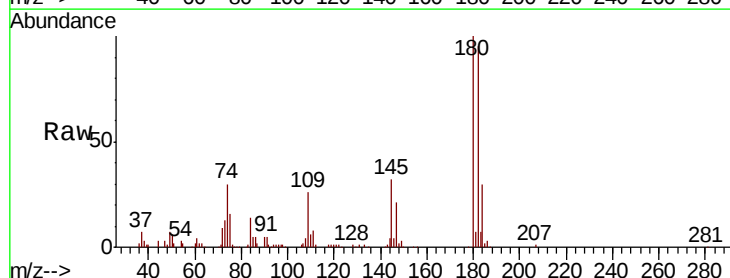
Tgt Ion:180 Resp: 111248

Ion Ratio Lower Upper

180 100

182 98.2 48.6 145.8

145 31.1 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

