

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033953.D
 Acq On : 26 Aug 2019 16:40
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 27 06:01:58 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	314352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	531946	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	523966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	226448	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	6448	1.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.74%	
35) Dibromofluoromethane	4.86	113	5783	1.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.44%	
50) Toluene-d8	7.55	98	20200	1.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.06%	
62) 4-Bromofluorobenzene	10.29	95	8921	1.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3660	0.885	ug/l	91
3) Chloromethane	1.32	50	5485	0.755	ug/l	91
4) Vinyl Chloride	1.40	62	5692	1.039	ug/l	93
5) Bromomethane	1.62	94	5004	2.180	ug/l	88
6) Chloroethane	1.69	64	4024	1.286	ug/l	93
7) Trichlorofluoromethane	1.87	101	7161	1.219	ug/l	97
8) Diethyl Ether	2.09	74	3156	1.163	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.27	101	3818	1.092	ug/l #	87
11) Tert butyl alcohol	2.80	59	4817	4.604	ug/l #	91
12) 1,1-Dichloroethene	2.27	96	4228	1.214	ug/l	99
13) Acrolein	2.18	56	3671	4.621	ug/l	96
14) Allyl chloride	2.58	41	7308	0.921	ug/l	96
15) Acrylonitrile	2.92	53	11562	3.995	ug/l	87
16) Acetone	2.31	43	18144	5.938	ug/l	100
17) Carbon Disulfide	2.46	76	14379	1.156	ug/l	97
18) Methyl Acetate	2.60	43	6701	0.867	ug/l #	81
19) Methyl tert-butyl Ether	2.98	73	11485	0.884	ug/l	94
20) Methylene Chloride	2.68	84	5636	1.230	ug/l	94
21) trans-1,2-Dichloroethene	2.96	96	4464	1.137	ug/l	87
22) Diisopropyl ether	3.54	45	11536	0.745	ug/l #	55
23) Vinyl Acetate	3.51	43	37975	2.947	ug/l	95
24) 1,1-Dichloroethane	3.42	63	8626	1.045	ug/l #	94
25) 2-Butanone	4.25	43	16936	4.079	ug/l	92
26) 2,2-Dichloropropane	4.20	77	7181	1.093	ug/l	93
27) cis-1,2-Dichloroethene	4.21	96	4462	1.012	ug/l	96
28) Bromochloromethane	4.53	49	4066	1.088	ug/l #	96
29) Tetrahydrofuran	4.62	42	9358	3.525	ug/l #	77
30) Chloroform	4.65	83	9670	1.329	ug/l	84
31) Cyclohexane	4.96	56	12938	1.347	ug/l #	45
32) 1,1,1-Trichloroethane	4.89	97	7094	1.172	ug/l #	49
36) 1,1-Dichloropropene	5.11	75	6304	1.093	ug/l #	82
37) Ethyl Acetate	4.38	43	4228	0.576	ug/l #	73
38) Carbon Tetrachloride	5.11	117	6614	1.379	ug/l	95
39) Methylcyclohexane	6.39	83	5744	0.819	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	5.37	78	17631	1.036	ug/l	96
41) Methacrylonitrile	4.54	41	1219	0.304	ug/l #	39
42) 1,2-Dichloroethane	5.39	62	6626	1.103	ug/l	97
43) Isopropyl Acetate	5.53	43	8750	0.758	ug/l #	81
44) Trichloroethene	6.17	130	5077	1.312	ug/l	97
45) 1,2-Dichloropropane	6.41	63	4891	1.030	ug/l	98
46) Dibromomethane	6.54	93	3077	1.076	ug/l	100
47) Bromodichloromethane	6.74	83	6572	1.170	ug/l	99
48) Methyl methacrylate	6.62	41	2966	0.520	ug/l #	83
49) 1,4-Dioxane	6.60	88	1686	17.685	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	27795	3.768	ug/l	96
52) Toluene	7.62	92	8587	0.854	ug/l	95
53) t-1,3-Dichloropropene	7.87	75	5072	0.769	ug/l	95
54) cis-1,3-Dichloropropene	7.26	75	6566	0.917	ug/l	93
55) 1,1,2-Trichloroethane	8.05	97	4582	1.146	ug/l	94
56) Ethyl methacrylate	8.01	69	3982	0.593	ug/l	98
57) 1,3-Dichloropropane	8.23	76	7418	1.002	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	4876	1.478	ug/l	93
59) 2-Hexanone	8.35	43	20084	3.442	ug/l	80
60) Dibromochloromethane	8.46	129	4422	1.109	ug/l	98
61) 1,2-Dibromoethane	8.57	107	4195	0.997	ug/l	97
64) Tetrachloroethene	8.21	164	4675	1.327	ug/l	87
65) Chlorobenzene	9.10	112	11865	1.070	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.19	131	4400	1.220	ug/l #	64
67) Ethyl Benzene	9.23	91	16257	0.803	ug/l	95
68) m/p-Xylenes	9.36	106	10416	1.410	ug/l	89
69) o-Xylene	9.76	106	5158	0.721	ug/l	98
70) Stvrene	9.78	104	8151	0.680	ug/l	98
71) Bromoform	9.94	173	3317	1.081	ug/l #	95
73) Isopropylbenzene	10.15	105	12848	0.755	ug/l	98
74) N-amyl acetate	10.01	43	3698	0.389	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.44	83	7095	1.087	ug/l	97
76) 1,2,3-Trichloropropane	10.48	75	7400	1.304	ug/l	68
77) Bromobenzene	10.44	156	3862	0.961	ug/l	95
78) n-propylbenzene	10.57	91	14755	0.702	ug/l	97
79) 2-Chlorotoluene	10.65	91	9476	0.782	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	10446	0.740	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.48	75	7400	2.991	ug/l #	100
82) 4-Chlorotoluene	10.76	91	10919	0.758	ug/l	98
83) tert-Butylbenzene	11.08	119	9522	0.701	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	8828	0.608	ug/l	94
85) sec-Butylbenzene	11.31	105	11874	0.684	ug/l	96
86) p-Isopropyltoluene	11.46	119	9926	0.664	ug/l	86
87) 1,3-Dichlorobenzene	11.40	146	7939	1.046	ug/l	93
88) 1,4-Dichlorobenzene	11.40	146	7939	1.013	ug/l	93
89) n-Butylbenzene	11.87	91	8006	0.536	ug/l	91
90) Hexachloroethane	12.13	117	2613	1.128	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	7365	0.973	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1171	0.829	ug/l #	53
93) 1,2,4-Trichlorobenzene	13.52	180	1571	0.290	ug/l	73

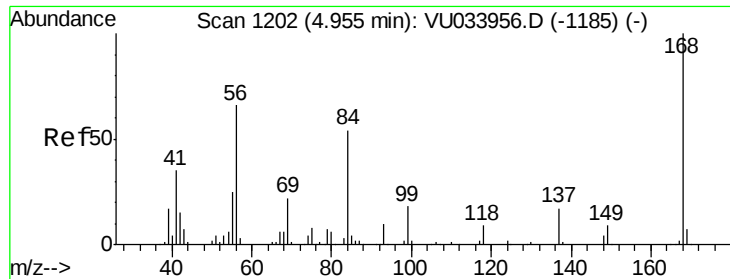
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.68	225	2689	1.061	ug/l	94
96) 1,2,3-Trichlorobenzene	13.98	180	2614	0.482	ug/l #	67

(#) = 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: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

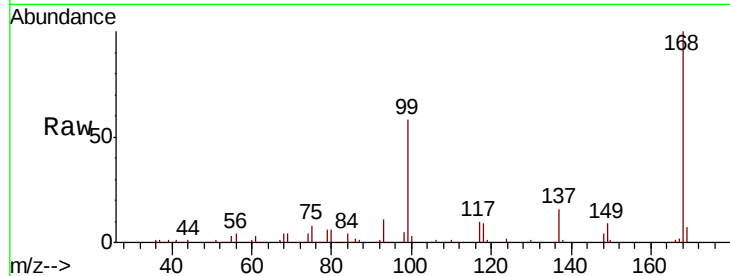
VSTDIC001

Tot Ion:168 Resp: 314352

Ion Ratio Lower Upper

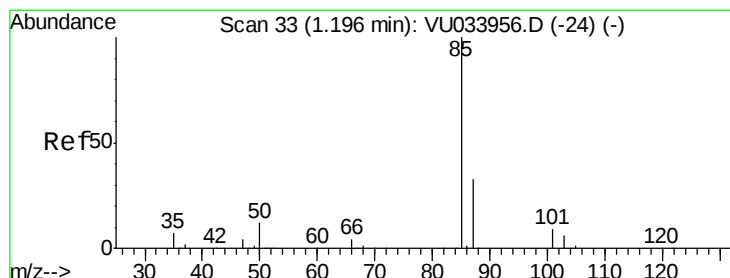
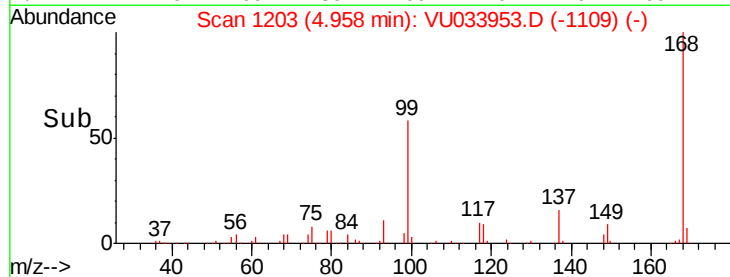
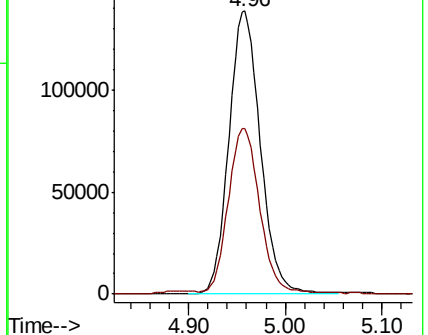
168 100

99 58.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033953.D (-1109) (-)

Ion 98.90 (98.60 to 99.60): VU033953.D (-1109) (-)



#2

Dichlorodifluoromethane

Concen: 0.885 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033953.D

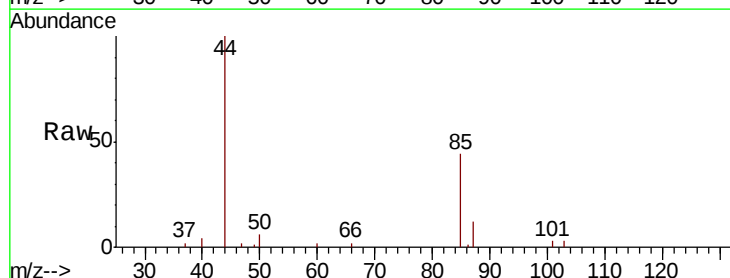
Acq: 26 Aug 2019 16:40

Tgt Ion: 85 Resp: 3660

Ion Ratio Lower Upper

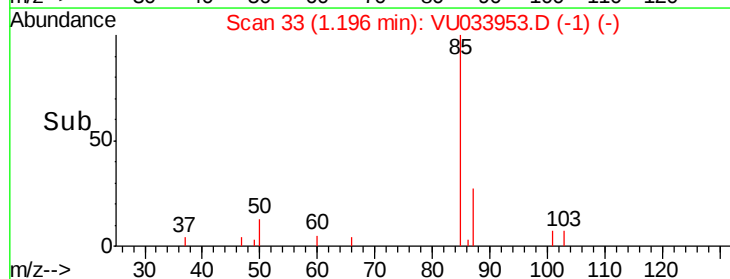
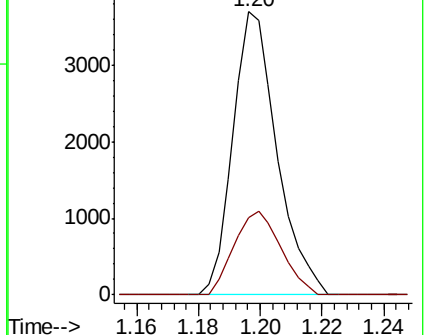
85 100

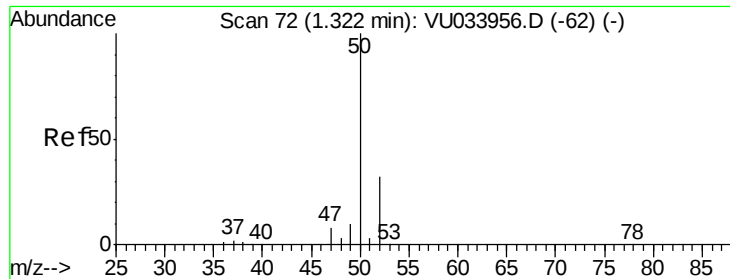
87 27.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033953.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033953.D (-1) (-)





#3

Chloromethane

Concen: 0.755 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

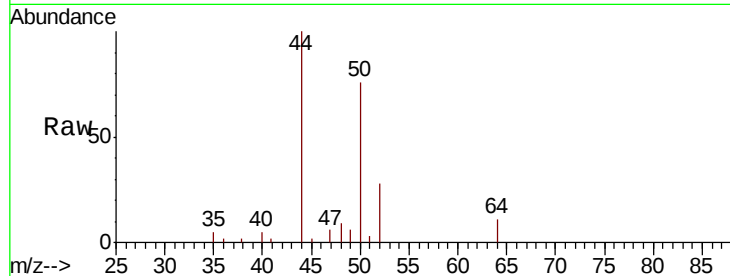
VSTDIC001

Tot Ion: 50 Resp: 5485

Ion Ratio Lower Upper

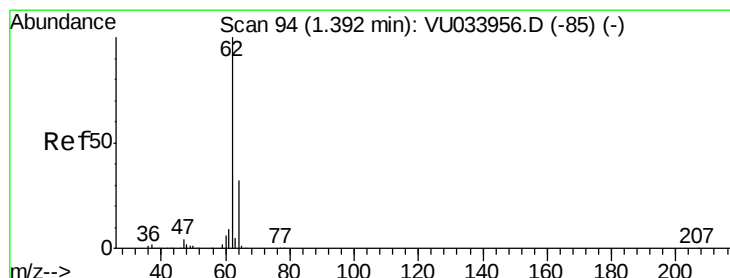
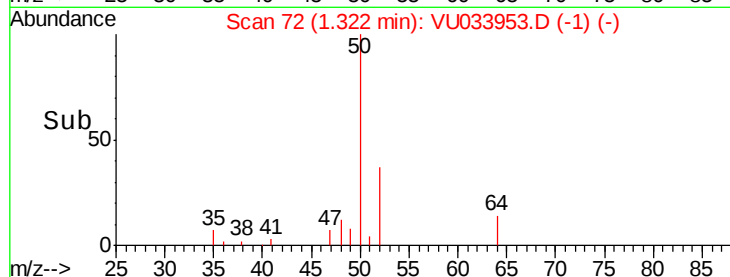
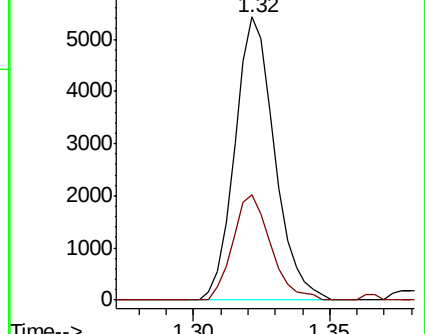
50 100

52 37.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU033953.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033953.D (-1) (-)



#4

Vinyl Chloride

Concen: 1.039 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033953.D

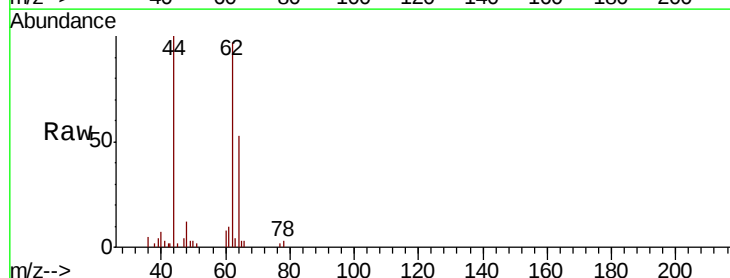
Acq: 26 Aug 2019 16:40

Tgt Ion: 62 Resp: 5692

Ion Ratio Lower Upper

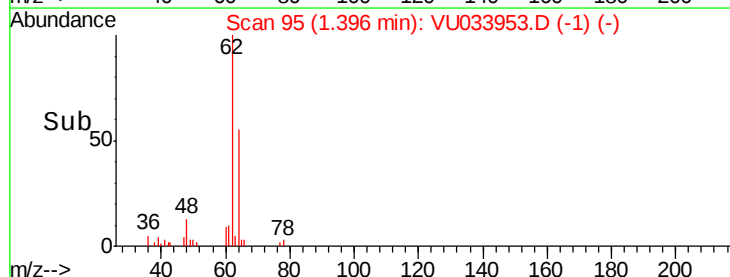
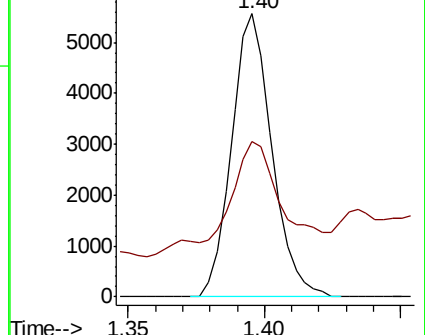
62 100

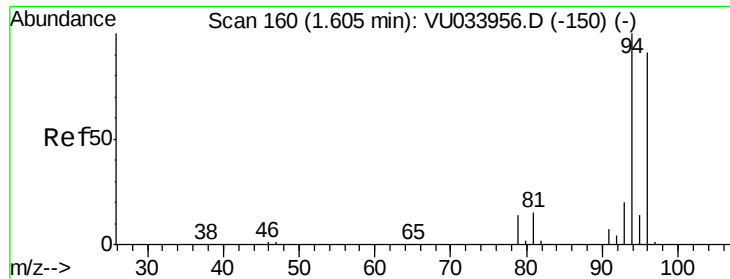
64 35.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033953.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU033953.D (-1) (-)





#5

Bromomethane

Concen: 2.180 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

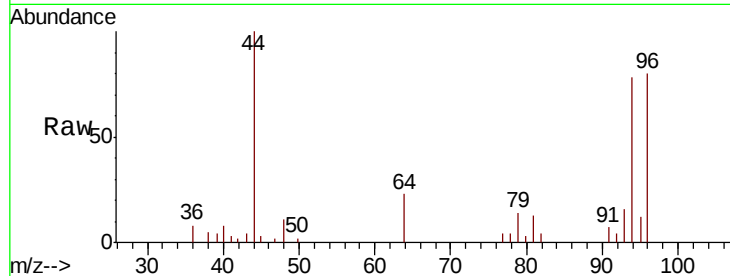
VSTDIC001

Tot Ion: 94 Resp: 5004

Ion Ratio Lower Upper

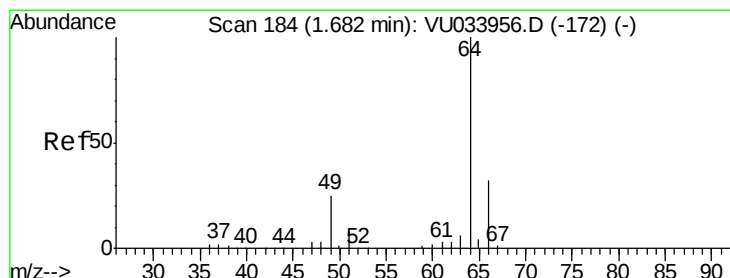
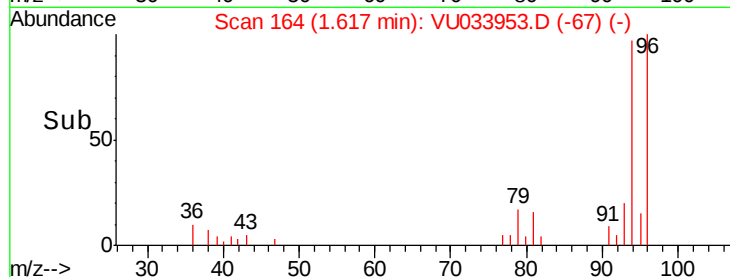
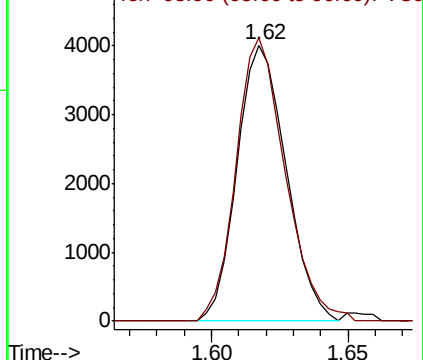
94 100

96 102.6 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.286 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU033953.D

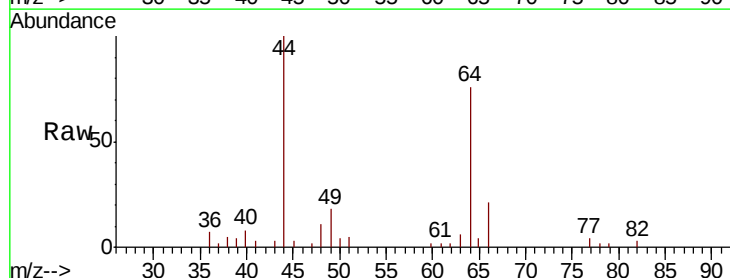
Acq: 26 Aug 2019 16:40

Tgt Ion: 64 Resp: 4024

Ion Ratio Lower Upper

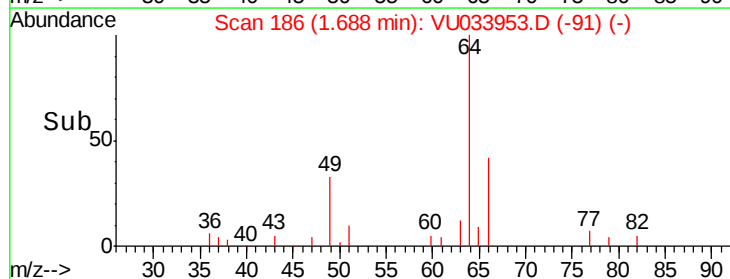
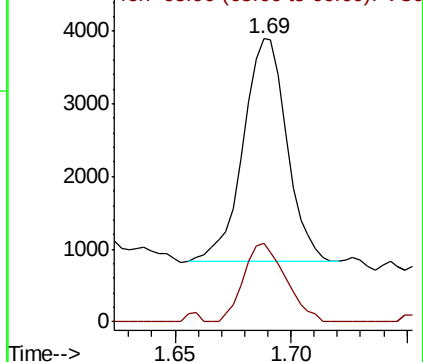
64 100

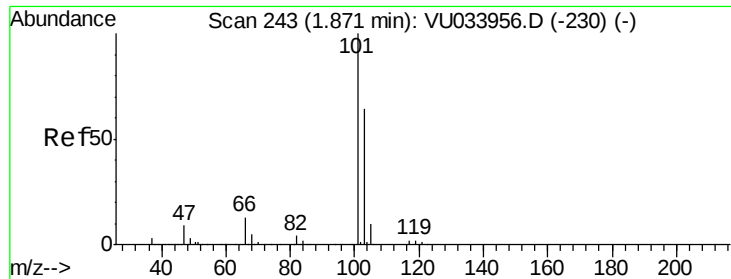
66 35.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 1.219 ug/l

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033953.D

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Instrument :

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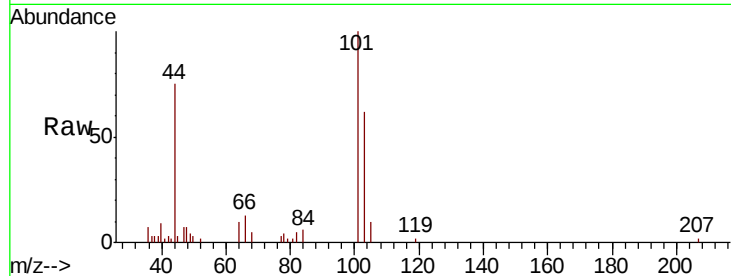
VSTDIC001

Tot Ion:101 Resp: 7161

Ion Ratio Lower Upper

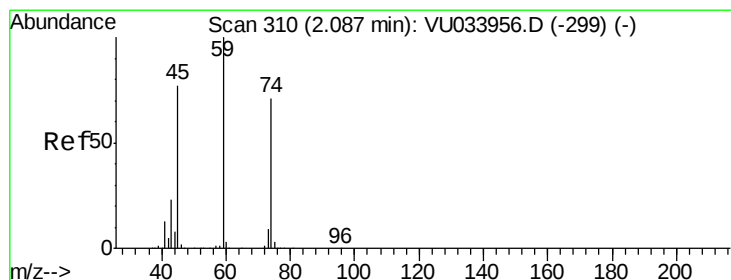
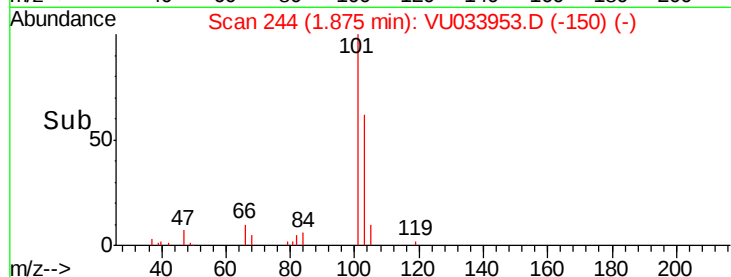
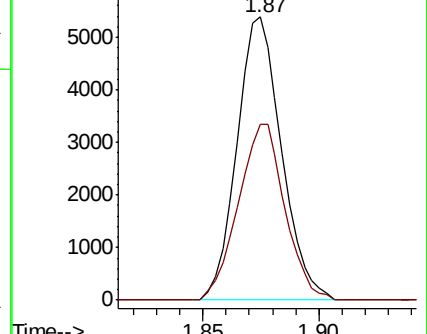
101 100

103 62.1 51.5 77.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.163 ug/l

RT: 2.09 min Scan# 311

Delta R.T. 0.00 min

Lab File: VU033953.D

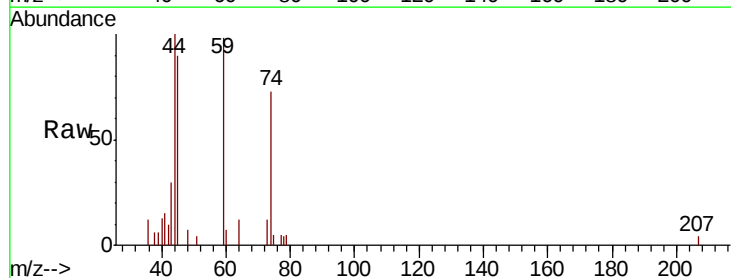
Acq: 26 Aug 2019 16:40

Tgt Ion: 74 Resp: 3156

Ion Ratio Lower Upper

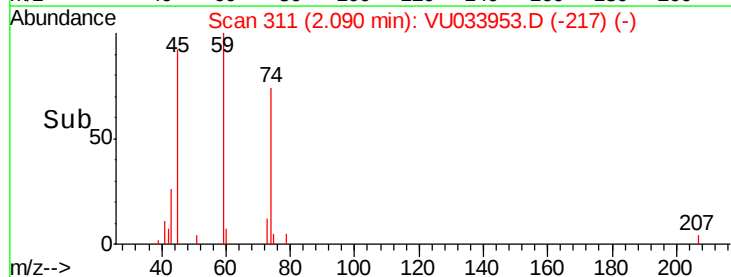
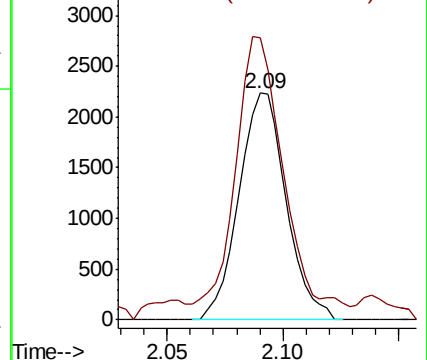
74 100

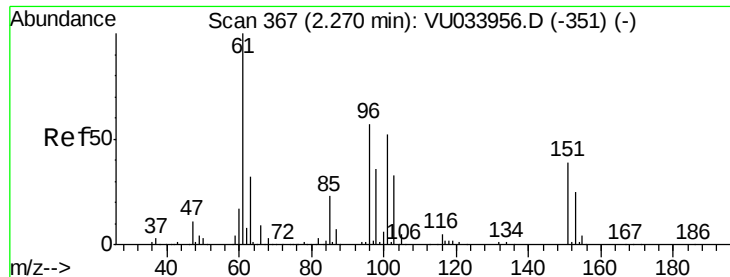
45 130.8 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.092 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033953.D

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VSTDIC001

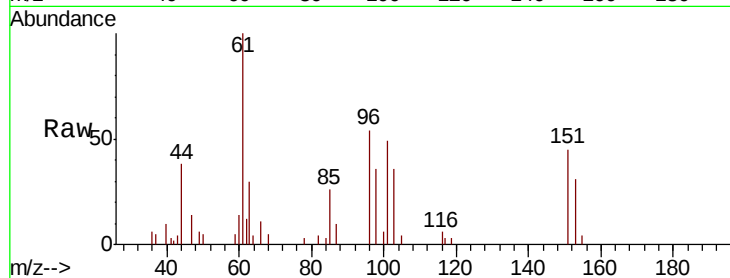
Tot Ion:101 Resp: 3818

Ion Ratio Lower Upper

101 100

85 53.0 35.0 52.6#

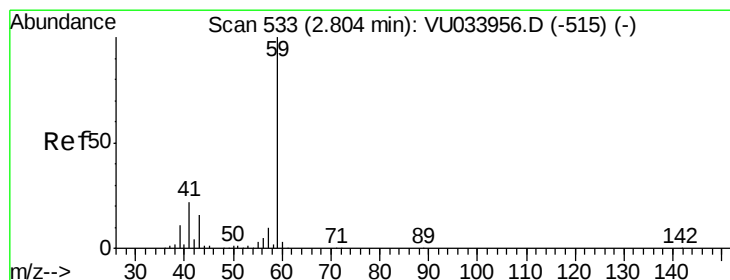
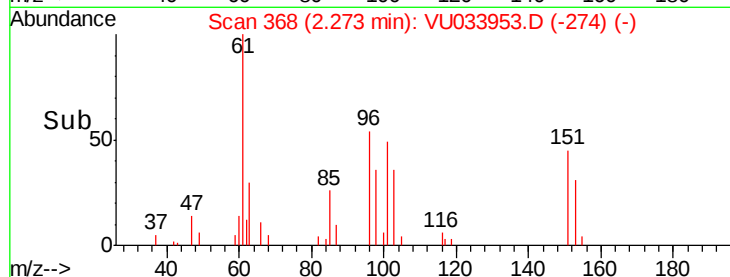
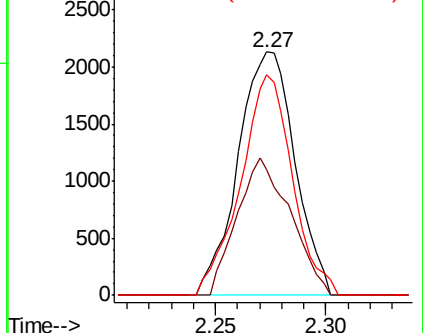
151 82.7 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 4.604 ug/l

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VU033953.D

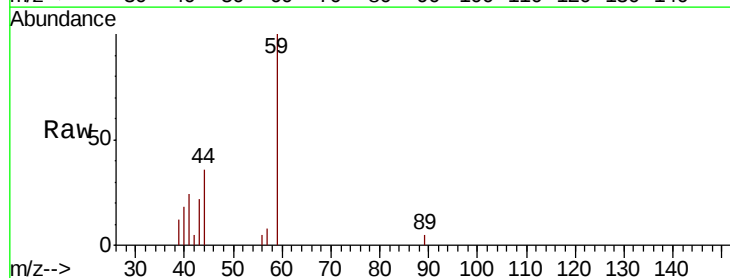
Acq: 26 Aug 2019 16:40

Tgt Ion: 59 Resp: 4817

Ion Ratio Lower Upper

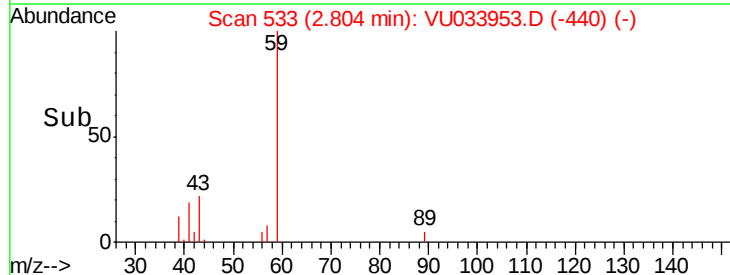
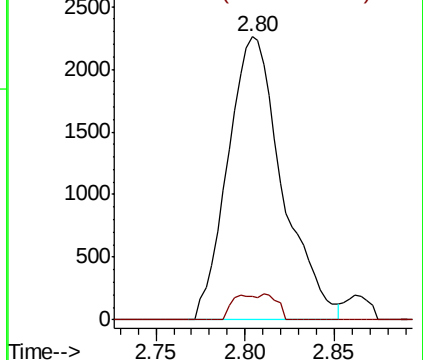
59 100

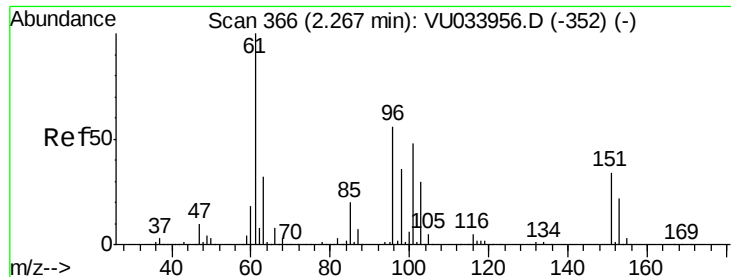
57 7.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#12

1,1-Dichloroethene

Concen: 1.214 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

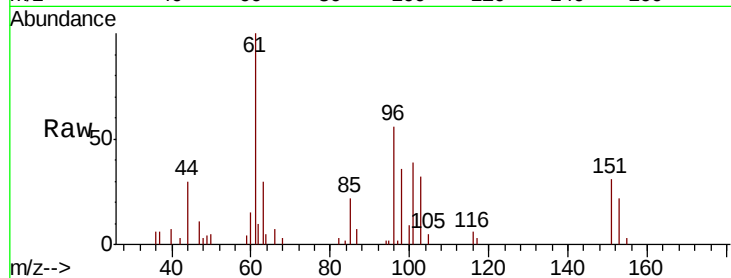
Tot Ion: 96 Resp: 4228

Ion Ratio Lower Upper

96 100

61 179.3 142.3 213.5

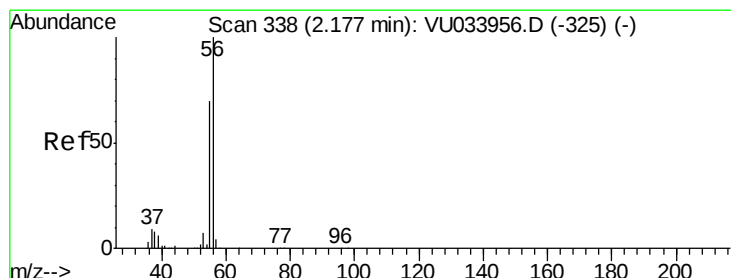
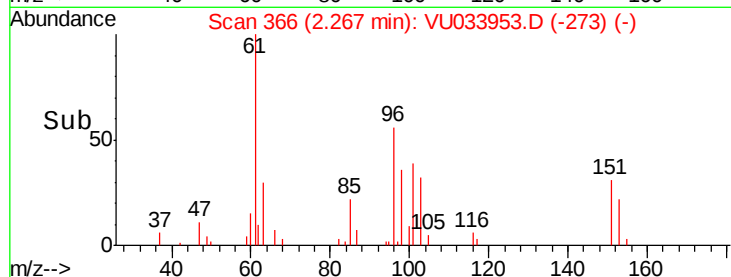
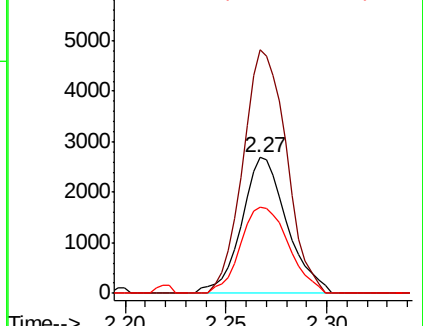
98 63.8 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VU033956.D (-352) (-)

Ion 60.90 (60.60 to 61.60): VU033956.D (-352) (-)

Ion 97.90 (97.60 to 98.60): VU033956.D (-352) (-)



#13

Acrolein

Concen: 4.621 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU033953.D

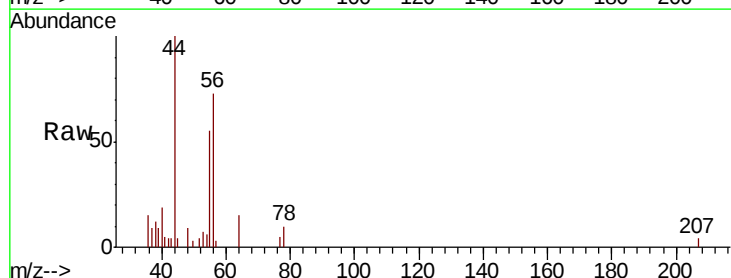
Acq: 26 Aug 2019 16:40

Tgt Ion: 56 Resp: 3671

Ion Ratio Lower Upper

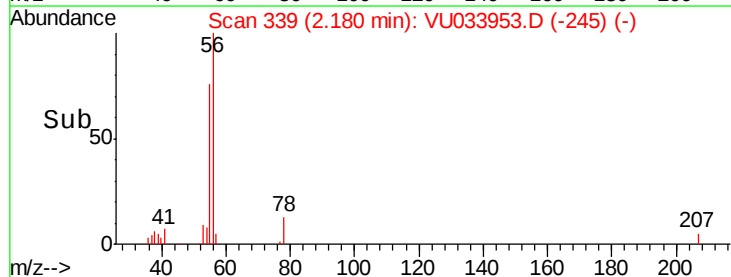
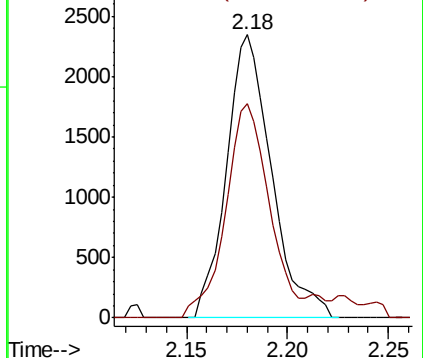
56 100

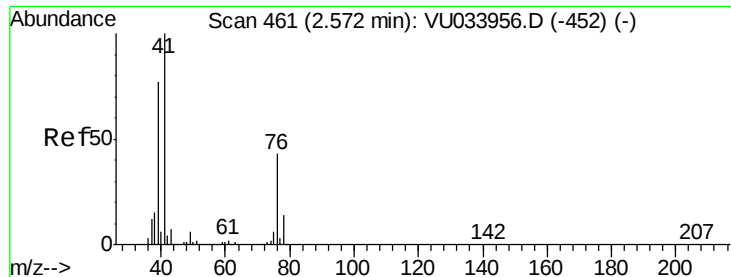
55 73.7 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-325) (-)

Ion 55.00 (54.70 to 55.70): VU033956.D (-325) (-)

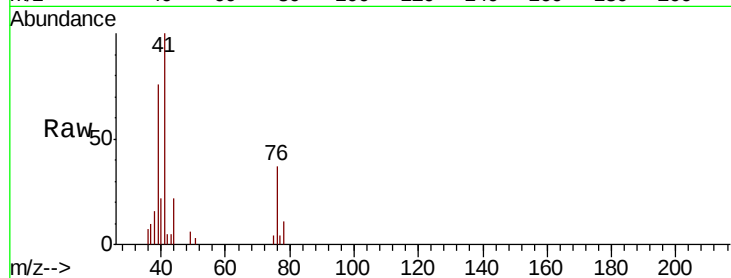




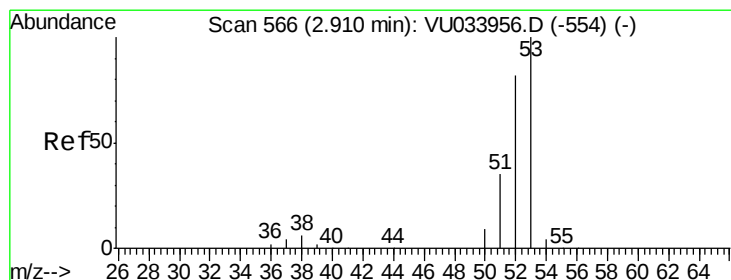
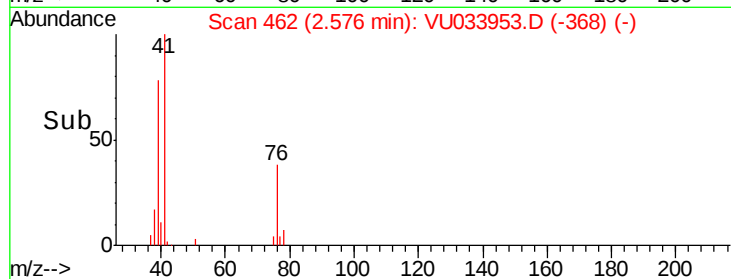
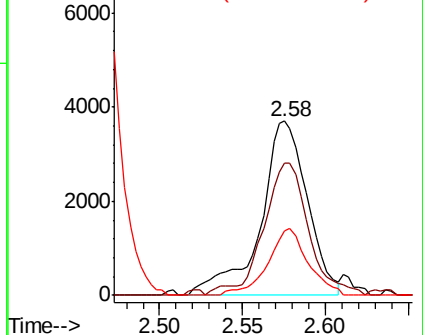
#14
Allvl chloride
Concen: 0.921 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 7308
Ion Ratio Lower Upper
41 100
39 72.8 56.4 84.6
76 32.8 29.2 43.8

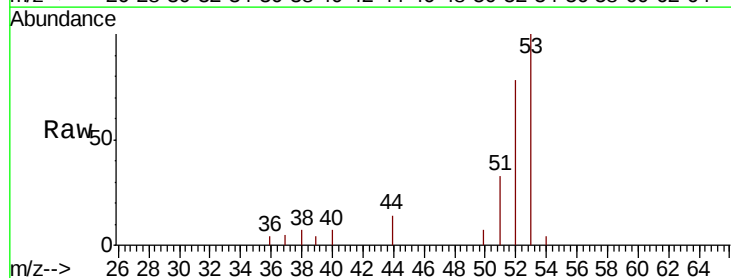


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0

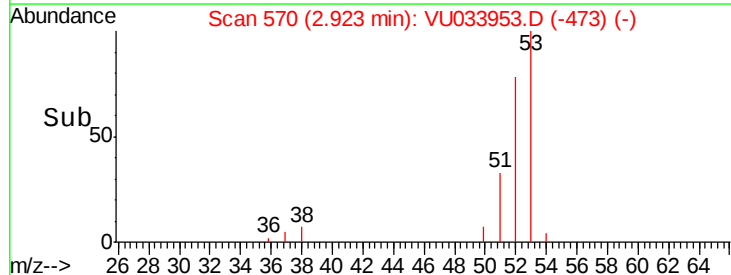
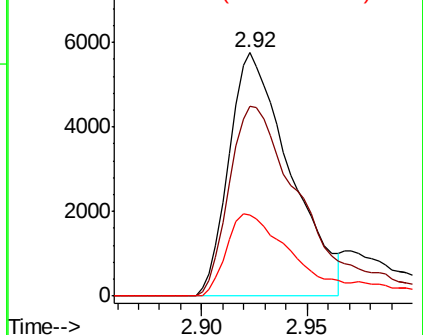


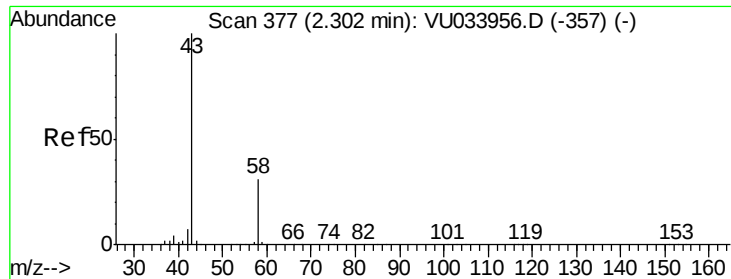
#15
Acrylonitrile
Concen: 3.995 ug/l
RT: 2.92 min Scan# 570
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion: 53 Resp: 11562
Ion Ratio Lower Upper
53 100
52 96.1 65.2 97.8
51 39.8 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 5.938 ug/l

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

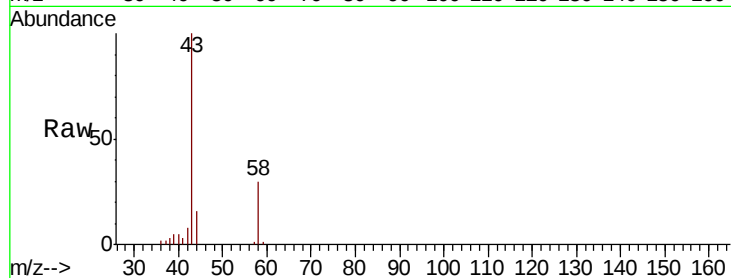
VSTDIC001

Tot Ion: 43 Resp: 18144

Ion Ratio Lower Upper

43 100

58 30.4 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033956.D (-357) (-)

2.31

12000

10000

8000

6000

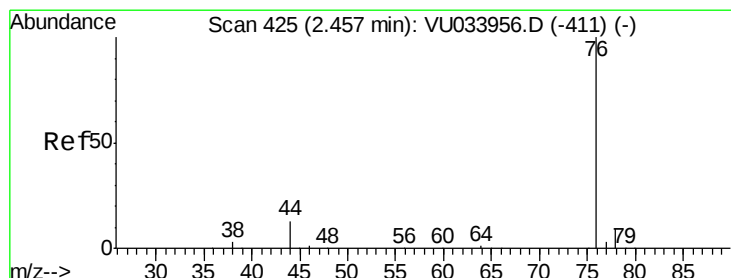
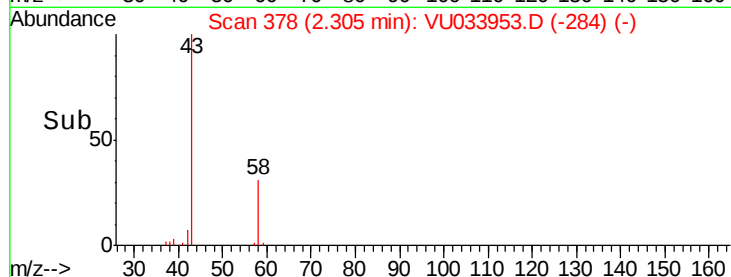
4000

2000

0

Time-->

2.25 2.30 2.35



#17

Carbon Disulfide

Concen: 1.156 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VU033953.D

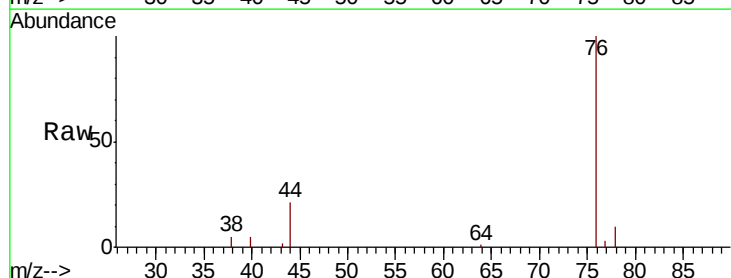
Acq: 26 Aug 2019 16:40

Tgt Ion: 76 Resp: 14379

Ion Ratio Lower Upper

76 100

78 9.8 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VU033956.D (-411) (-)

Ion 77.90 (77.60 to 78.60): VU033956.D (-411) (-)

2.46

10000

8000

6000

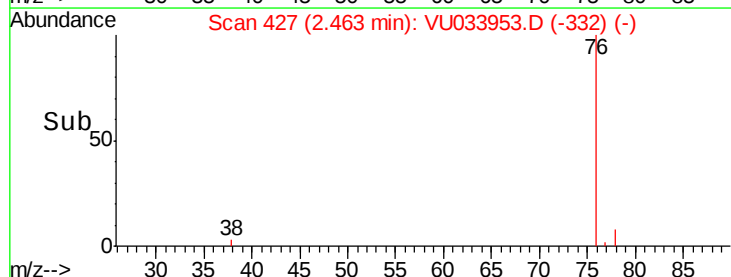
4000

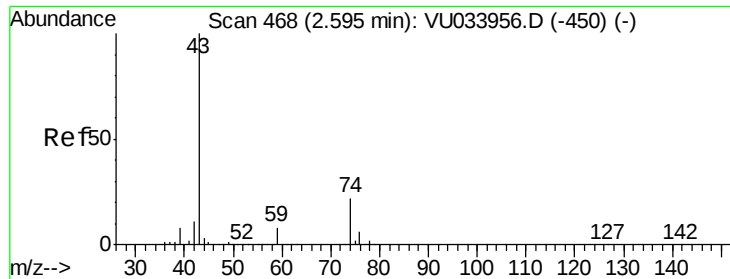
2000

0

Time-->

2.40 2.45 2.50

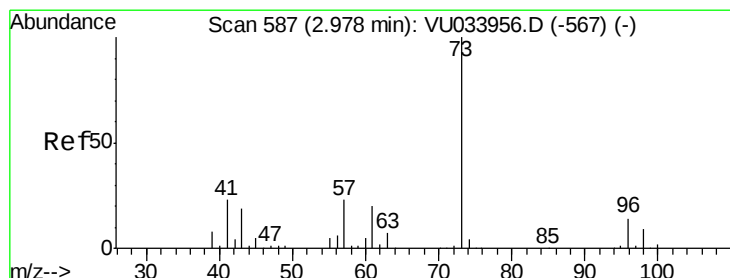
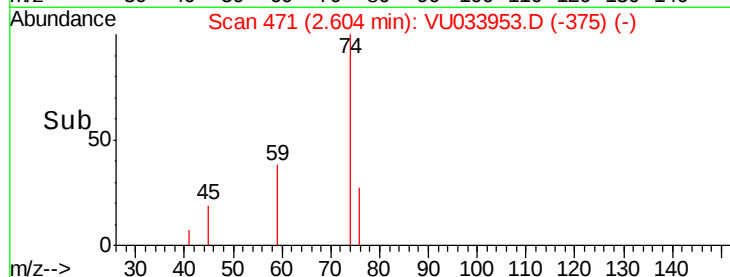
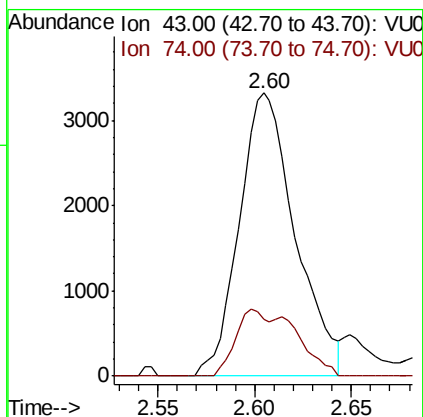
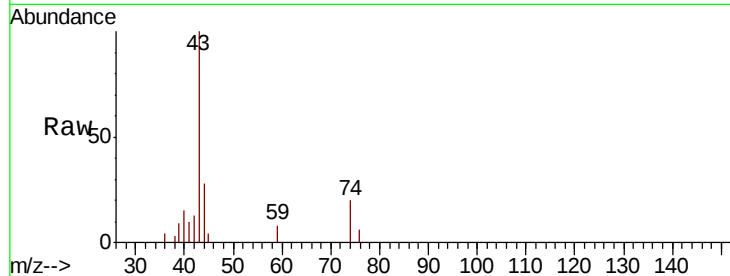




#18
Methyl Acetate
Concen: 0.867 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

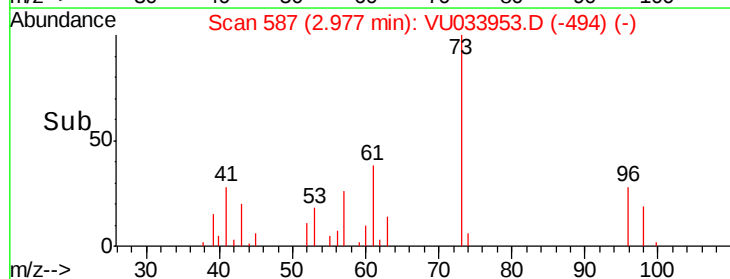
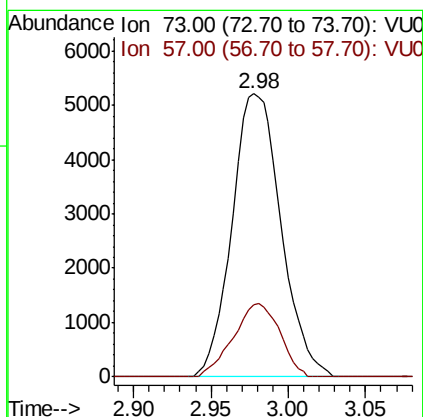
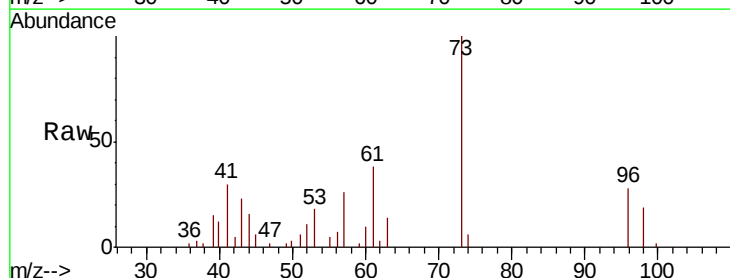
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

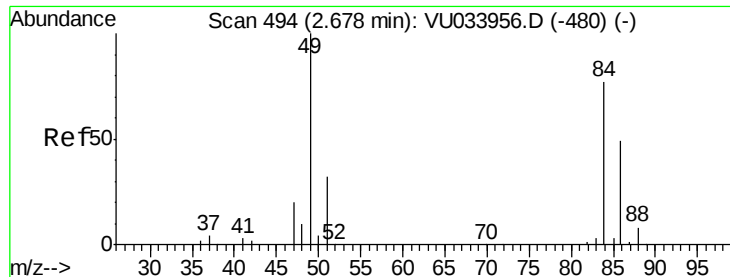
Tot Ion: 43 Resp: 6701
Ion Ratio Lower Upper
43 100
74 13.6 18.2 27.2#



#19
Methyl tert-butyl Ether
Concen: 0.884 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion: 73 Resp: 11485
Ion Ratio Lower Upper
73 100
57 25.6 18.3 27.5

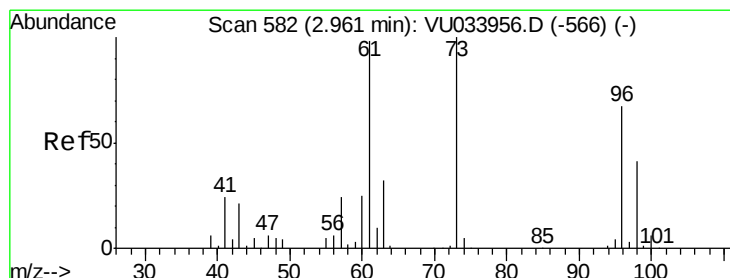
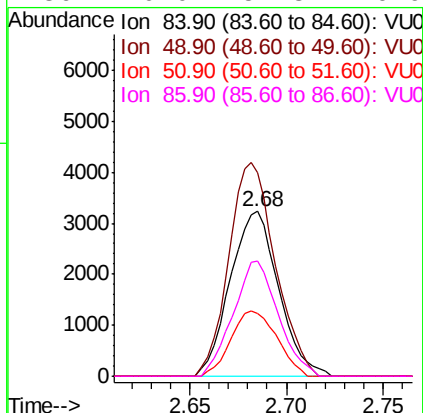
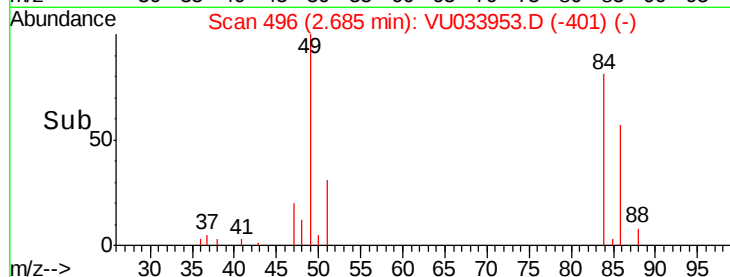
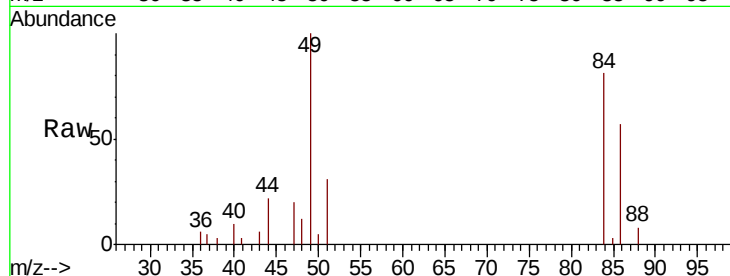




#20
Methylene Chloride
Concen: 1.230 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

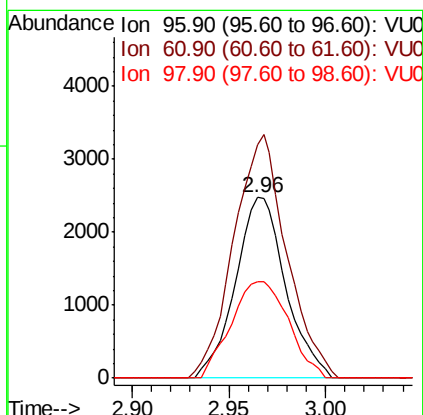
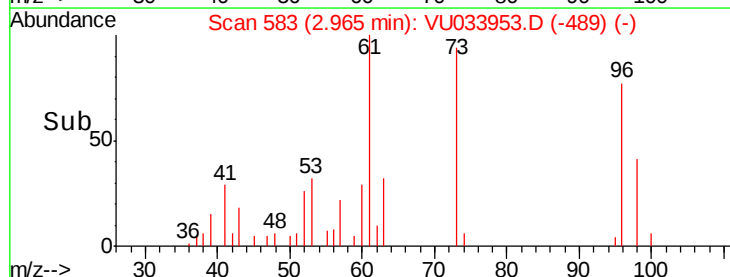
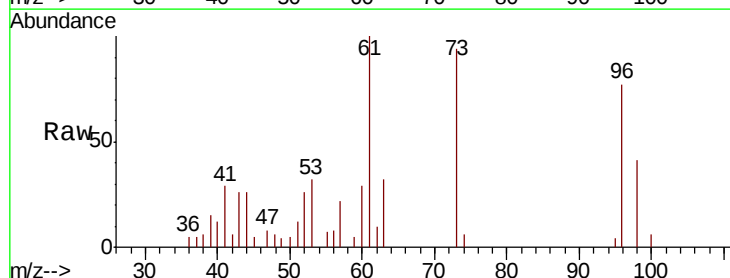
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

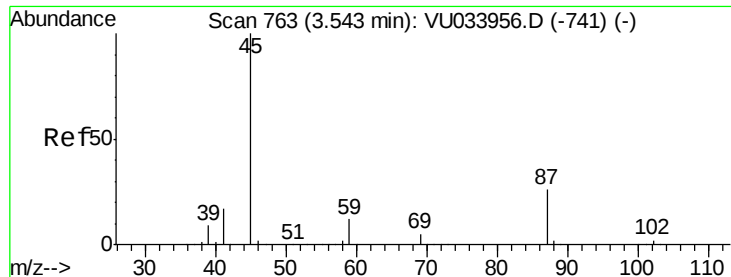
Tot Ion: 84 Resp: 5636
Ion Ratio Lower Upper
84 100
49 123.6 104.1 156.1
51 38.4 33.0 49.6
86 70.0 51.3 76.9



#21
trans-1,2-Dichloroethene
Concen: 1.137 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion: 96 Resp: 4464
Ion Ratio Lower Upper
96 100
61 129.4 117.8 176.8
98 53.6 49.8 74.8





#22

Diisopropyl ether

Concen: 0.745 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 11536

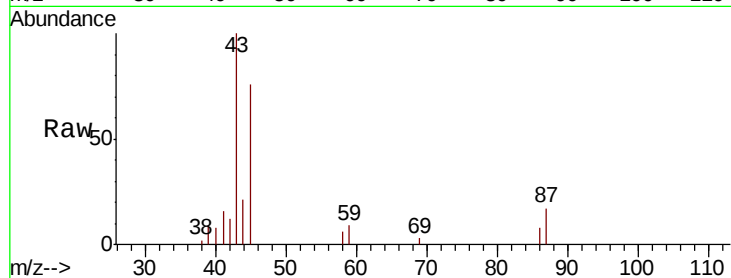
Ion Ratio Lower Upper

45 100

43 116.2 50.6 76.0#

87 22.3 21.2 31.8

59 12.2 9.6 14.4

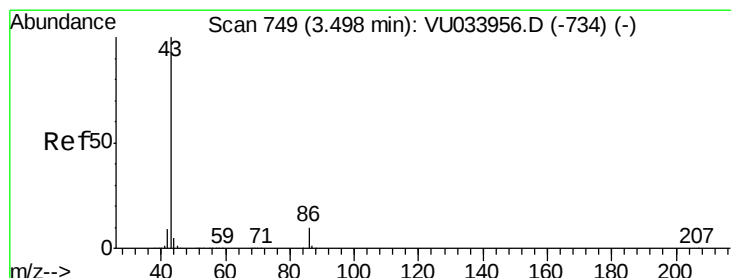
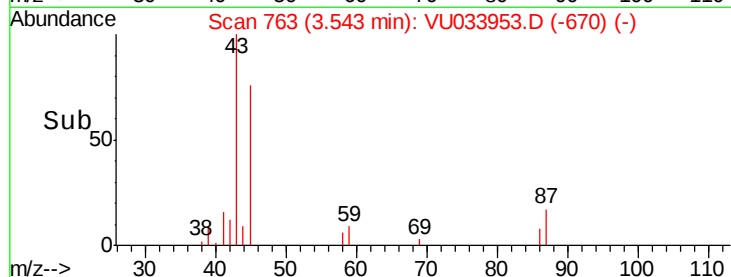
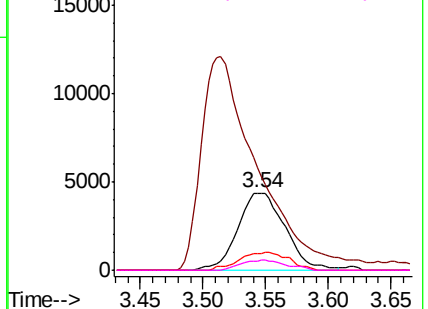


Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 2.947 ug/l

RT: 3.51 min Scan# 754

Delta R.T. 0.02 min

Lab File: VU033953.D

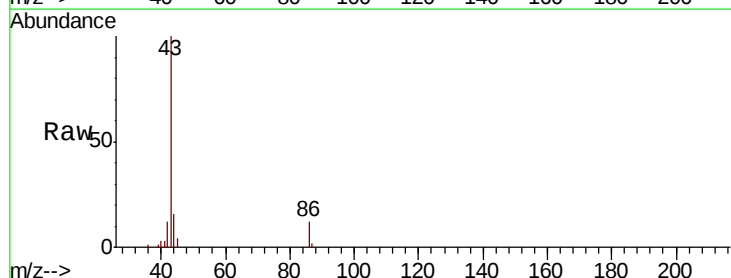
Acq: 26 Aug 2019 16:40

Tgt Ion: 43 Resp: 37975

Ion Ratio Lower Upper

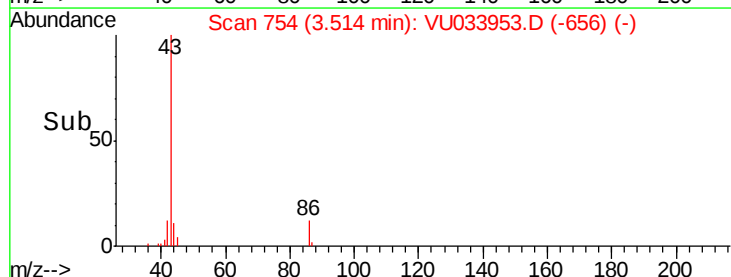
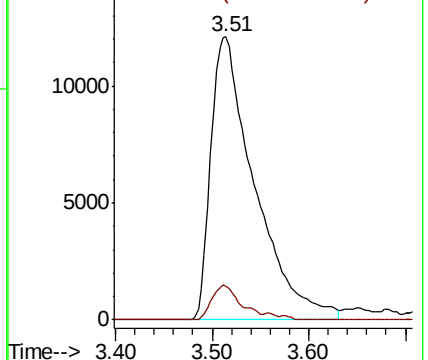
43 100

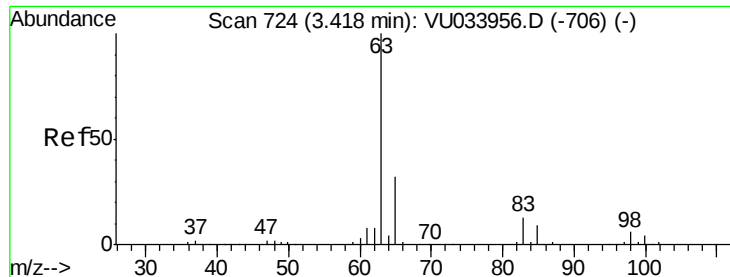
86 12.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

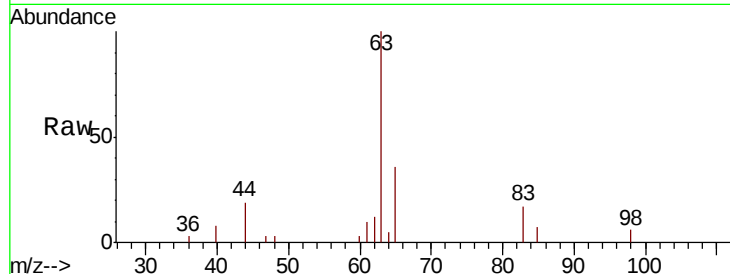




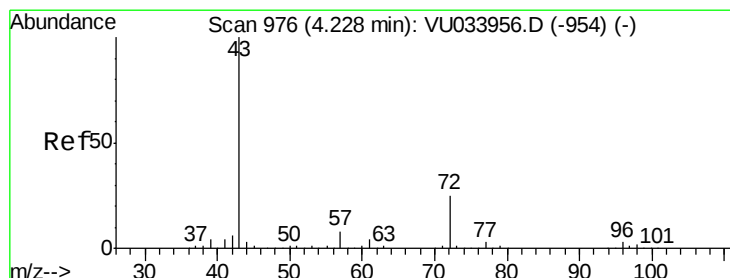
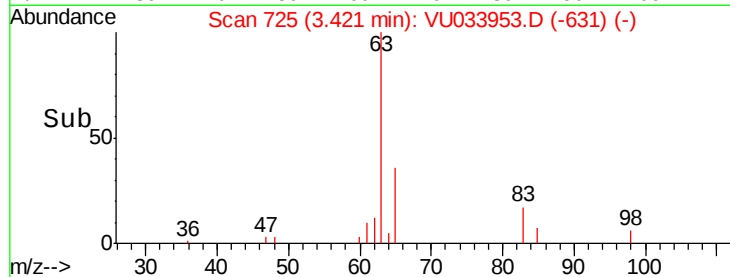
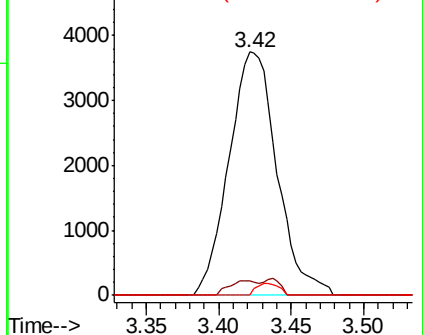
#24
 1,1-Dichloroethane
 Concen: 1.045 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 8626
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.2 9.6
 100 0.0 2.1 6.5#

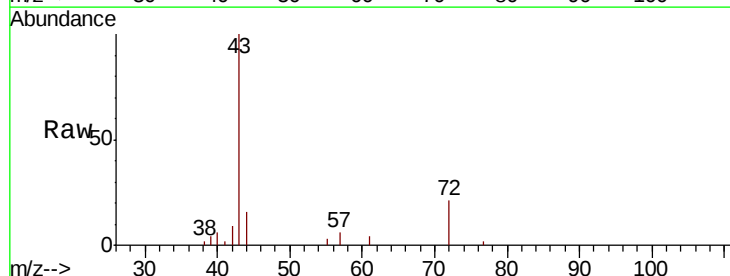


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

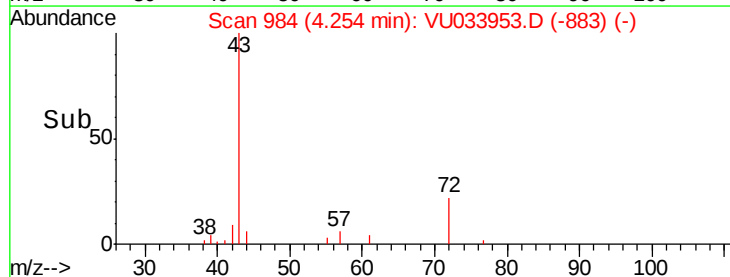
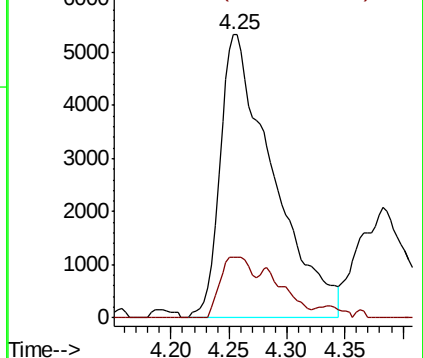


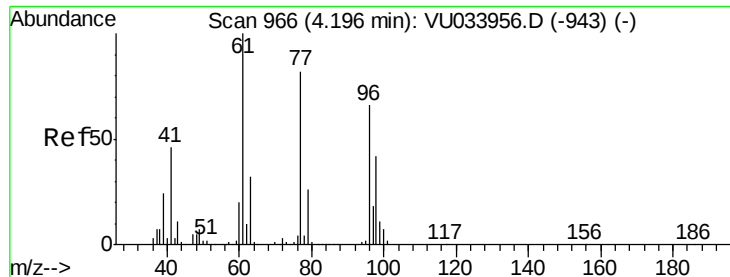
#25
 2-Butanone
 Concen: 4.079 ug/l
 RT: 4.25 min Scan# 984
 Delta R.T. 0.03 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion: 43 Resp: 16936
 Ion Ratio Lower Upper
 43 100
 72 21.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#26

2,2-Dichloropropane

Concen: 1.093 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

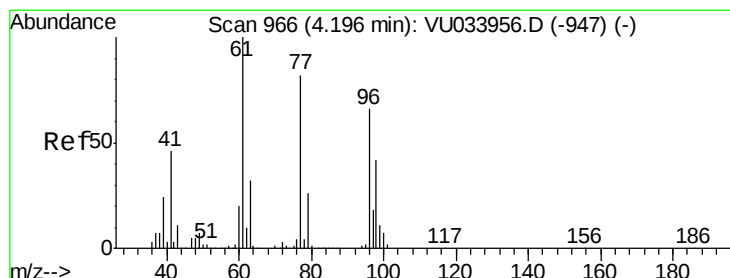
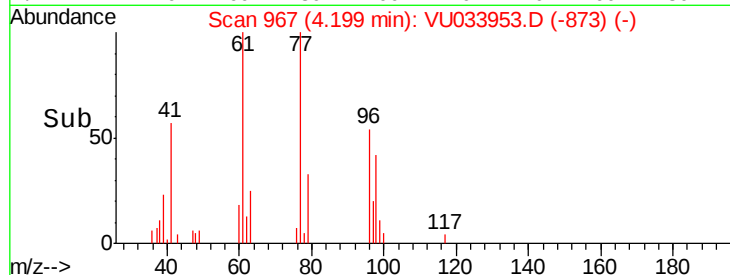
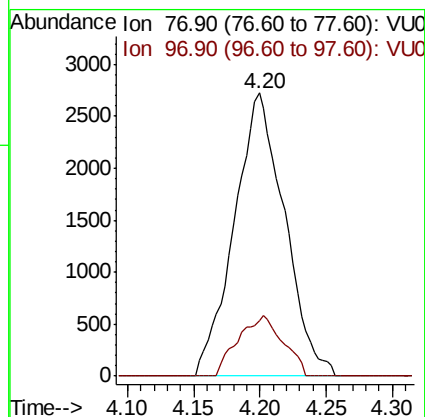
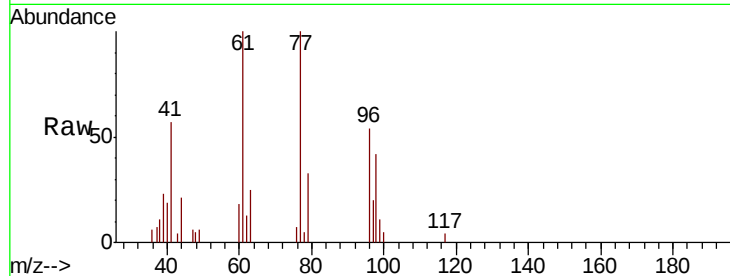
VSTDIC001

Tot Ion: 77 Resp: 7181

Ion Ratio Lower Upper

77 100

97 19.0 11.1 33.3



#27

cis-1,2-Dichloroethene

Concen: 1.012 ug/l

RT: 4.21 min Scan# 971

Delta R.T. 0.02 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

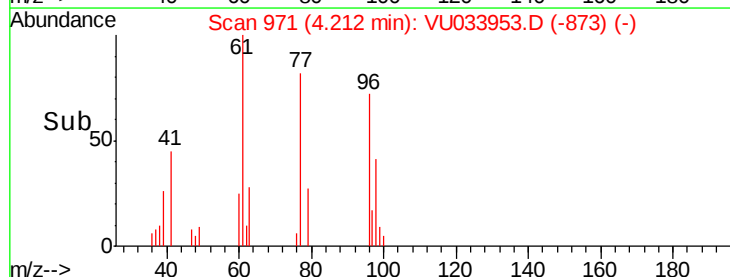
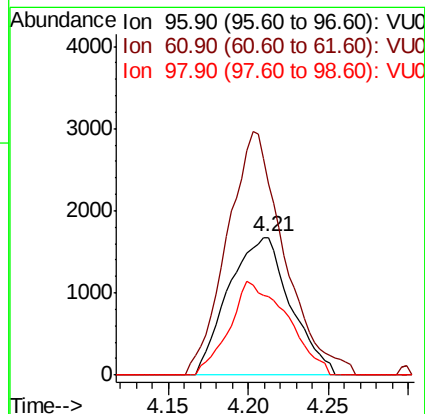
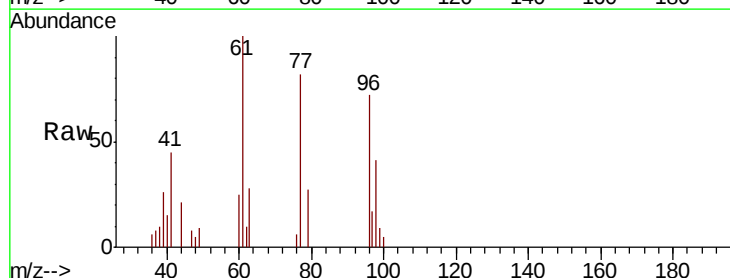
Tgt Ion: 96 Resp: 4462

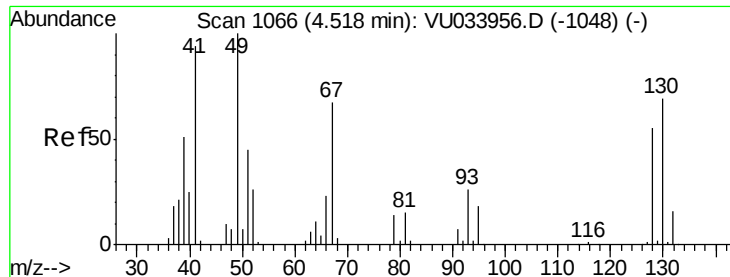
Ion Ratio Lower Upper

96 100

61 163.0 0.0 312.2

98 63.4 0.0 129.4





#28

Bromochloromethane

Concen: 1.088 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

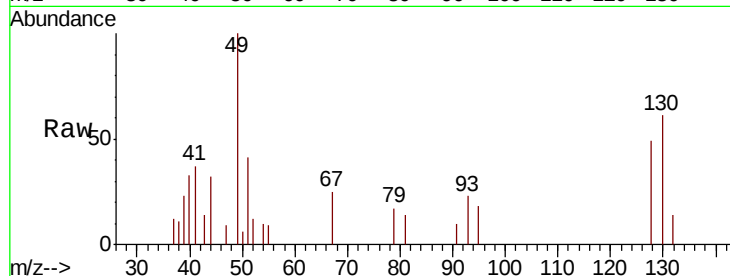
Tot Ion: 49 Resp: 4066

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

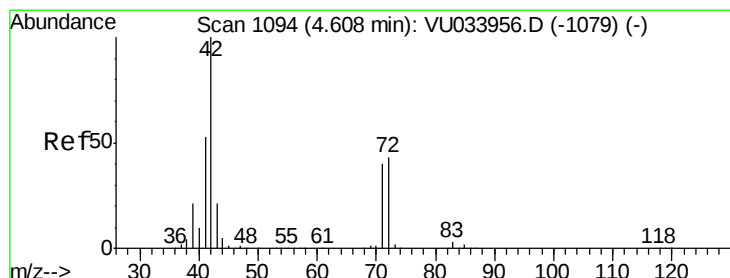
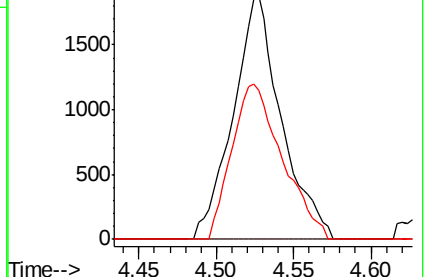
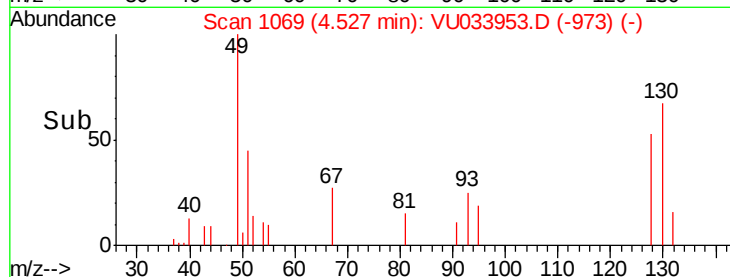
130 66.7 56.2 84.4



Abundance Ion 48.90 (48.60 to 49.60): VU033953.D (-973) (-)

Ion 128.80 (128.50 to 129.50): VU033953.D (-973) (-)

Ion 129.80 (129.50 to 130.50): VU033953.D (-973) (-)



#29

Tetrahydrofuran

Concen: 3.525 ug/l

RT: 4.62 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

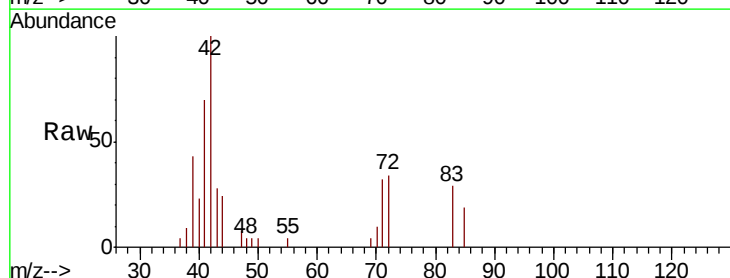
Tgt Ion: 42 Resp: 9358

Ion Ratio Lower Upper

42 100

72 38.7 34.6 52.0

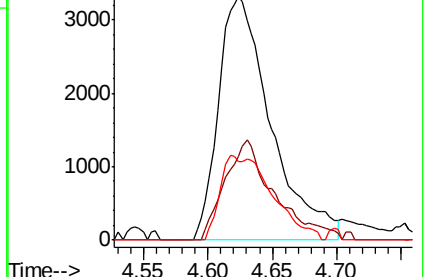
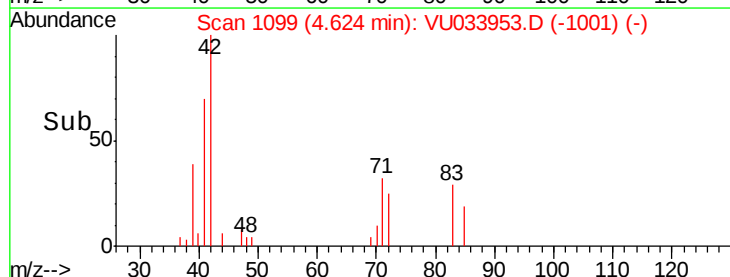
71 15.0 32.1 48.1#

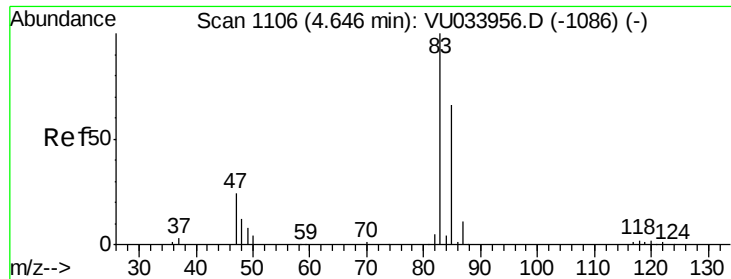


Abundance Ion 42.00 (41.70 to 42.70): VU033953.D (-1001) (-)

Ion 72.00 (71.70 to 72.70): VU033953.D (-1001) (-)

Ion 71.00 (70.70 to 71.70): VU033953.D (-1001) (-)

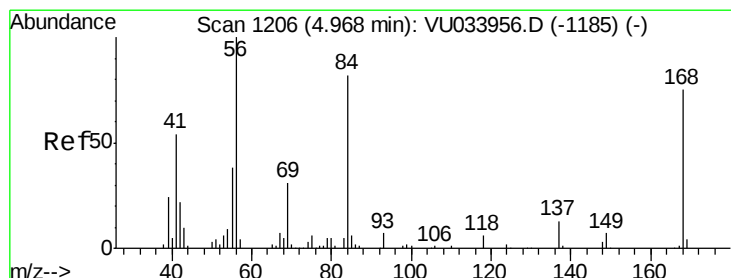
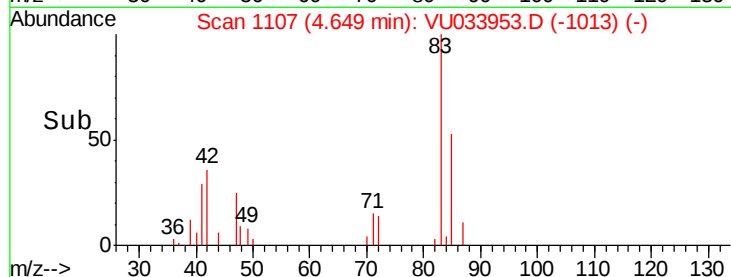
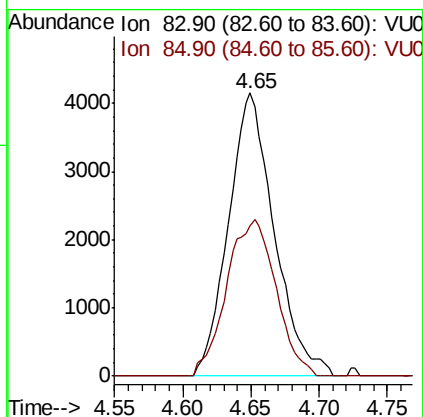
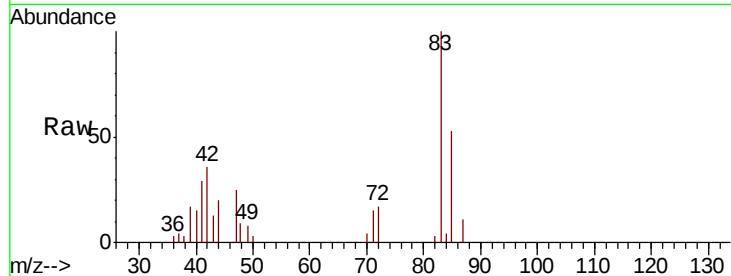




#30
Chloroform
Concen: 1.329 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

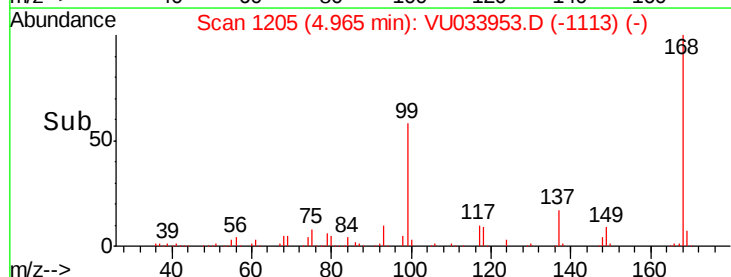
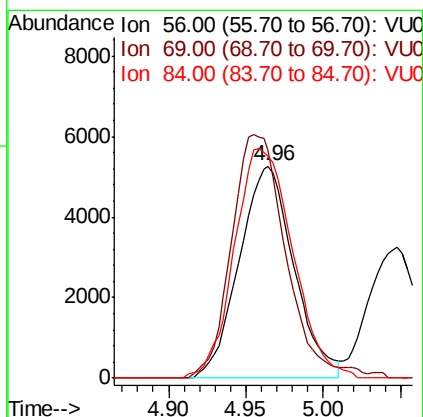
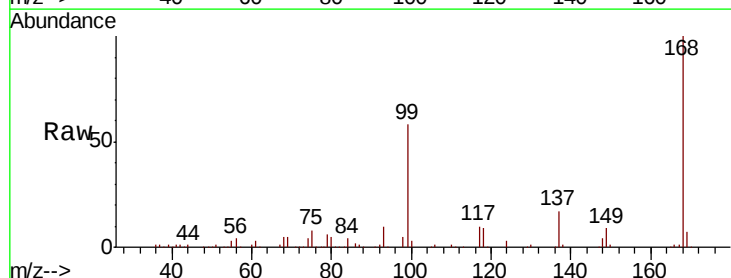
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

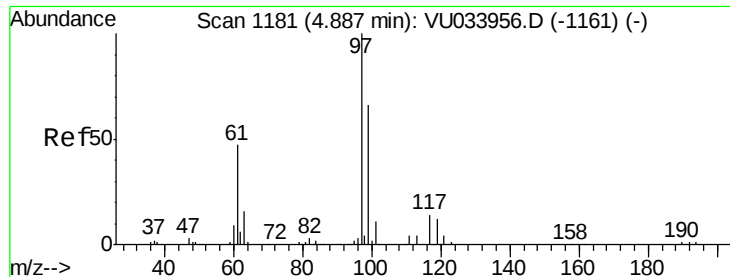
Tot Ion: 83 Resp: 9670
Ion Ratio Lower Upper
83 100
85 53.2 52.4 78.6



#31
Cyclohexane
Concen: 1.347 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion: 56 Resp: 12938
Ion Ratio Lower Upper
56 100
69 107.4 24.6 37.0#
84 102.7 65.4 98.0#





#32

1,1,1-Trichloroethane

Concen: 1.172 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

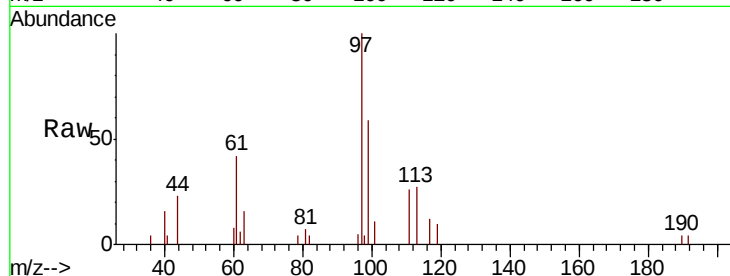
Tot Ion: 97 Resp: 7094

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

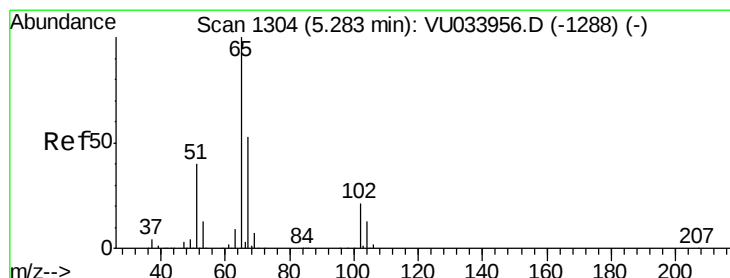
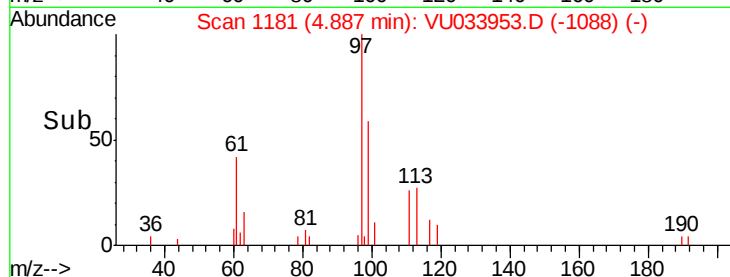
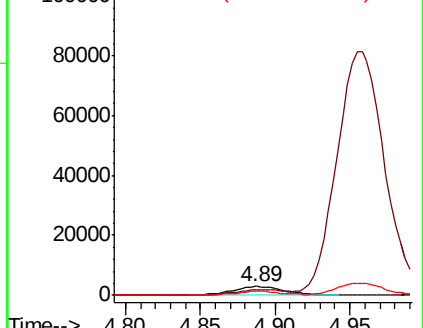
61 42.0 38.4 57.6



Abundance Ion 96.90 (96.60 to 97.60): VU033953.D (-1088) (-)

Ion 98.90 (98.60 to 99.60): VU033953.D (-1088) (-)

Ion 60.90 (60.60 to 61.60): VU033953.D (-1088) (-)



#33

1,2-Dichloroethane-d4

Concen: 1.374 ug/l

RT: 5.29 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU033953.D

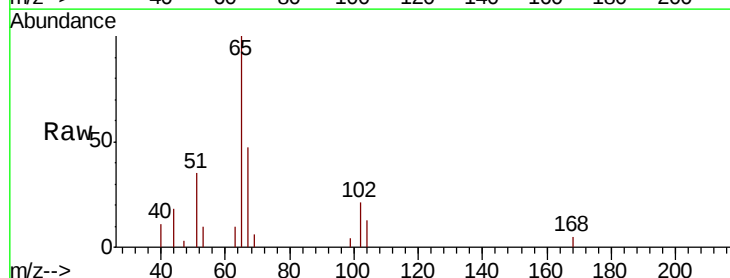
Acq: 26 Aug 2019 16:40

Tgt Ion: 65 Resp: 6448

Ion Ratio Lower Upper

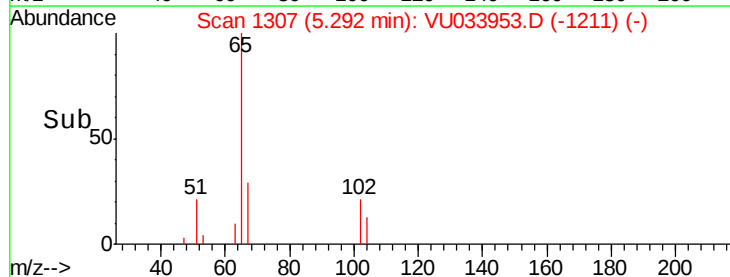
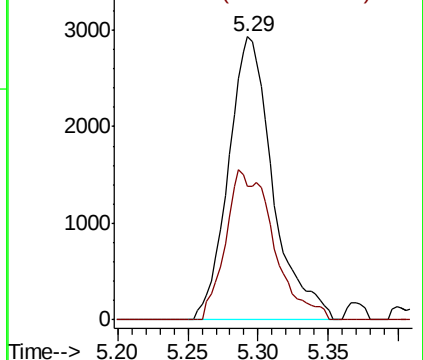
65 100

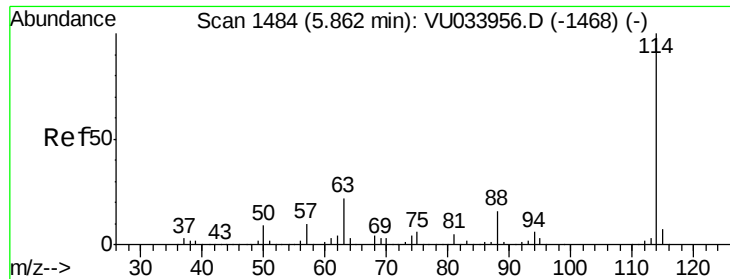
67 57.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VU033953.D (-1211) (-)

Ion 66.90 (66.60 to 67.60): VU033953.D (-1211) (-)

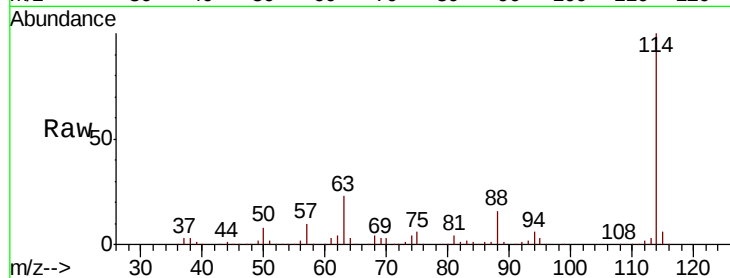




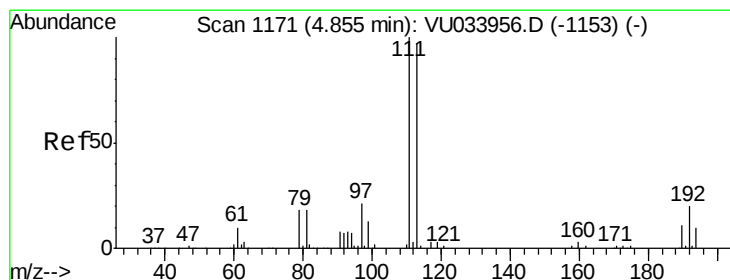
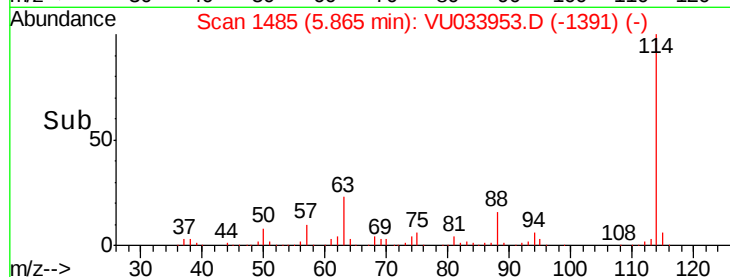
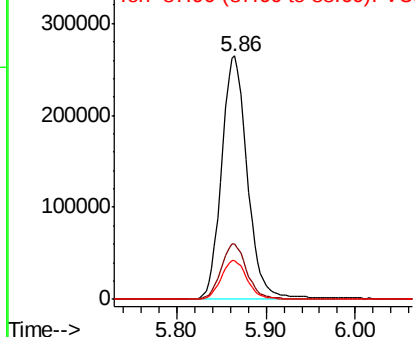
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:114 Resp: 531946
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.2
88 16.1 0.0 32.0

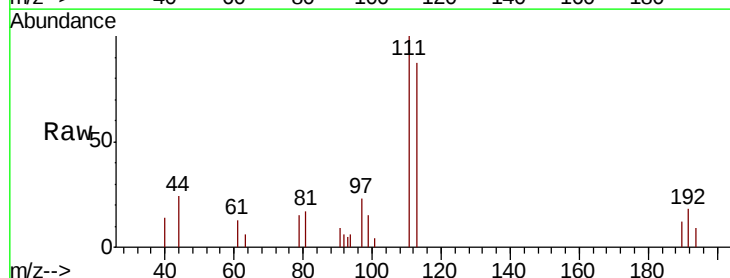


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

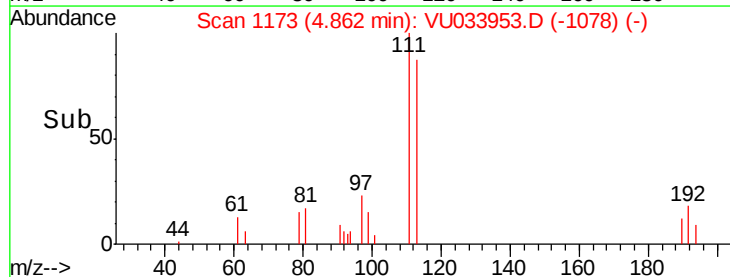
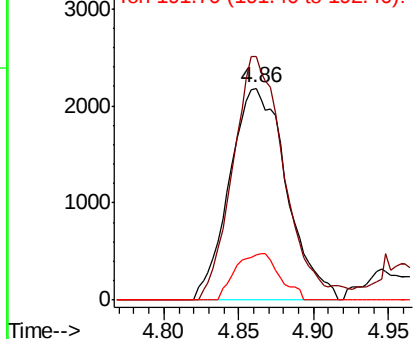


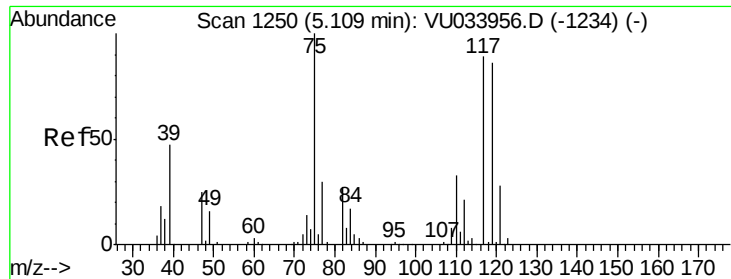
#35
Dibromofluoromethane
Concen: 1.721 ug/l
RT: 4.86 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion:113 Resp: 5783
Ion Ratio Lower Upper
113 100
111 102.1 82.0 123.0
192 17.0 16.2 24.4



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





#36

1,1-Dichloropropene

Concen: 1.093 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

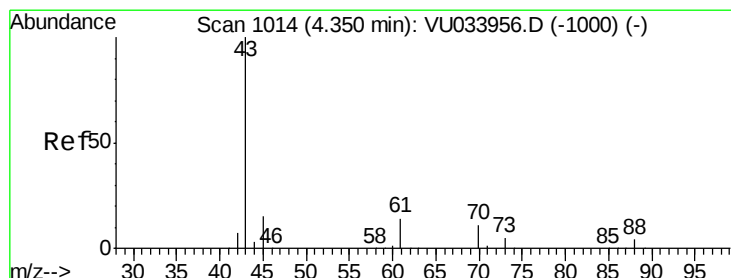
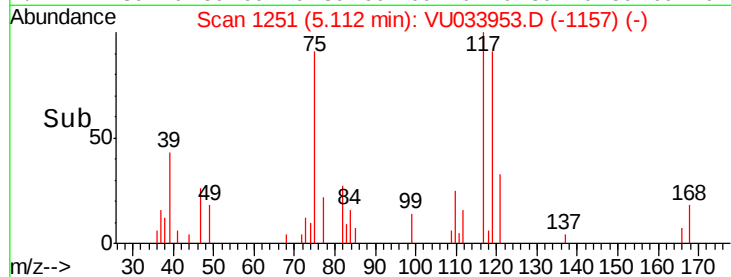
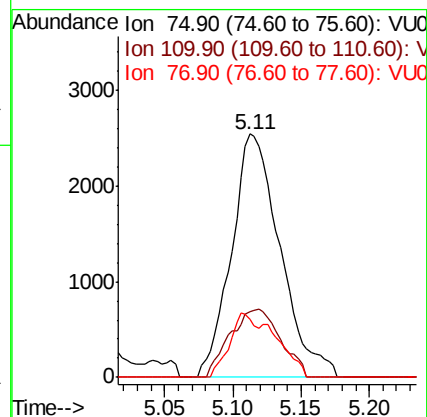
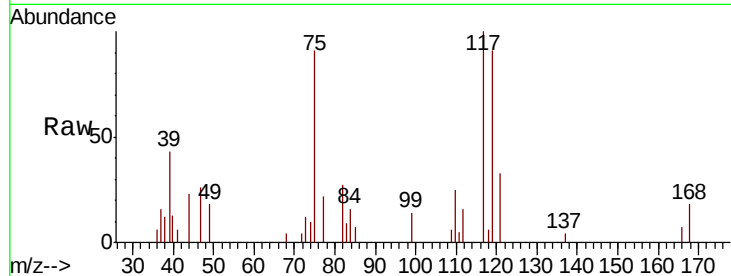
Tot Ion: 75 Resp: 6304

Ion Ratio Lower Upper

75 100

110 29.0 16.8 50.4

77 14.6 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.576 ug/l

RT: 4.38 min Scan# 1024

Delta R.T. 0.03 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

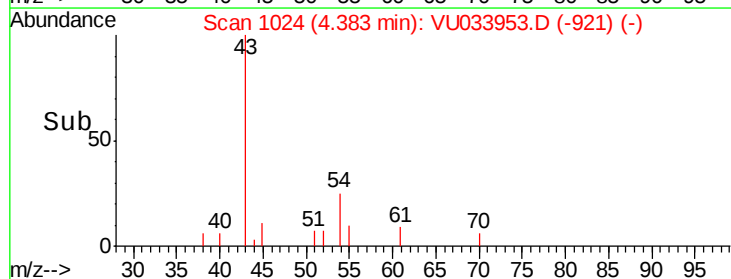
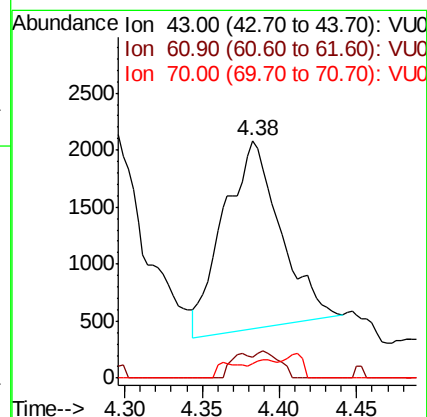
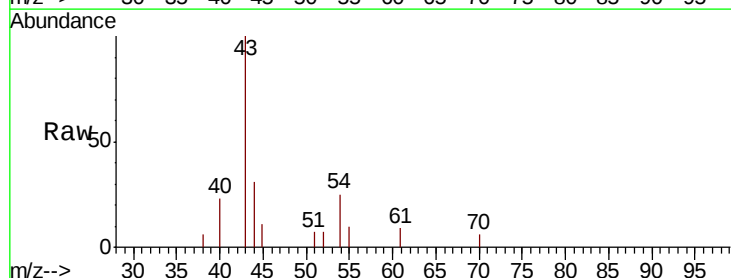
Tgt Ion: 43 Resp: 4228

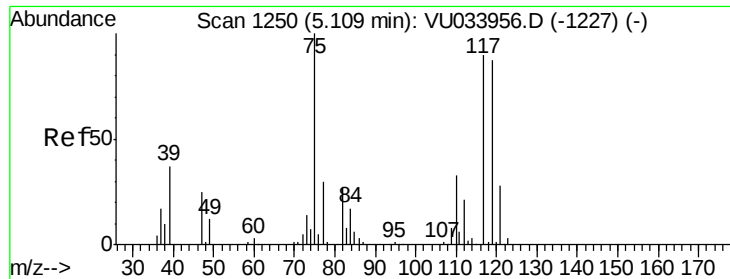
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 4.0 8.2 12.4#

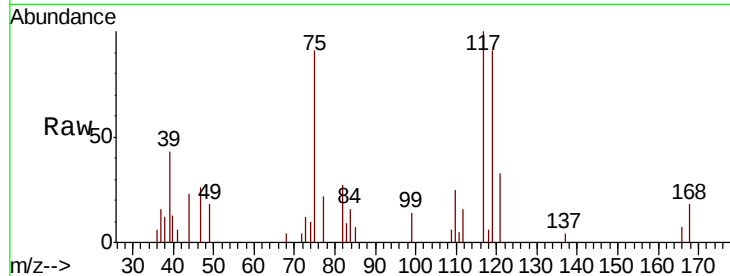




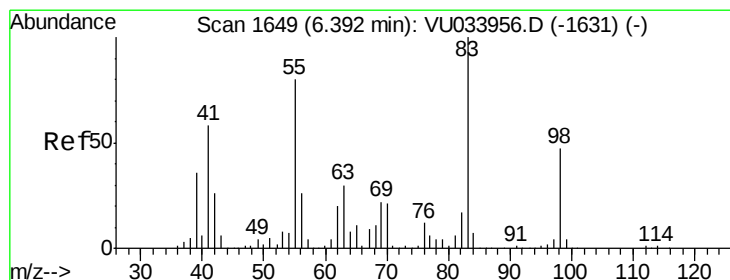
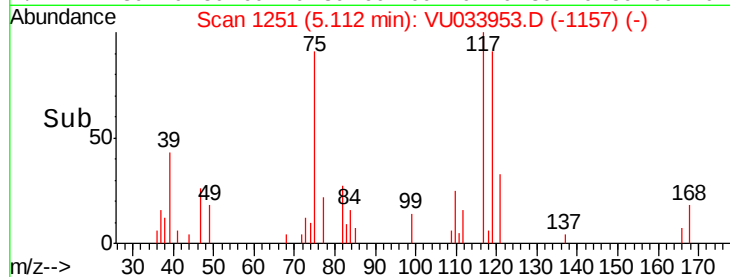
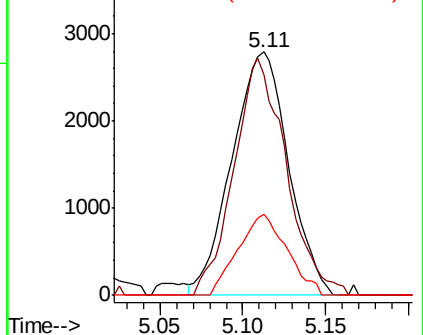
#38
Carbon Tetrachloride
Concen: 1.379 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 6614
Ion Ratio Lower Upper
117 100
119 90.7 76.9 115.3
121 33.1 24.9 37.3

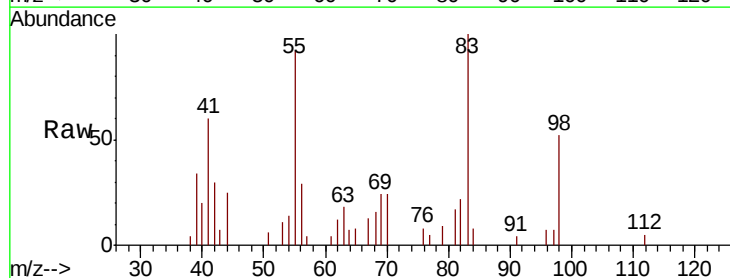


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

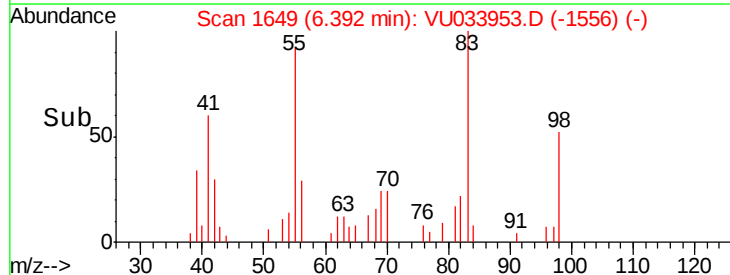
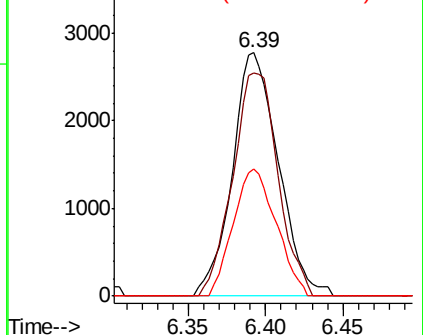


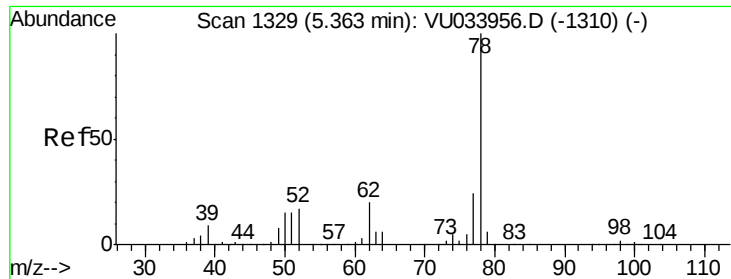
#39
Methylcyclohexane
Concen: 0.819 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion: 83 Resp: 5744
Ion Ratio Lower Upper
83 100
55 91.5 63.8 95.8
98 52.4 37.7 56.5



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





#40

Benzene

Concen: 1.036 ug/l

RT: 5.37 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

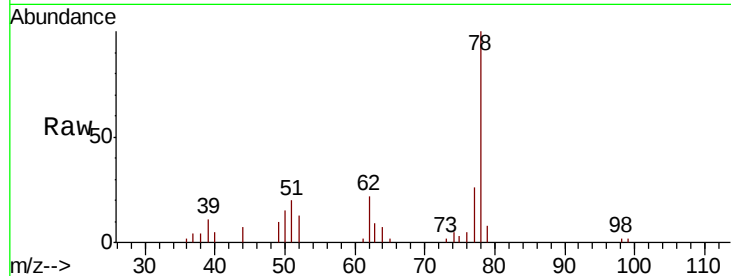
VSTDIC001

Tot Ion: 78 Resp: 17631

Ion Ratio Lower Upper

78 100

77 25.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VU033953.D (-1236) (-)

Ion 77.00 (76.70 to 77.70): VU033953.D (-1236) (-)

5.37

8000

6000

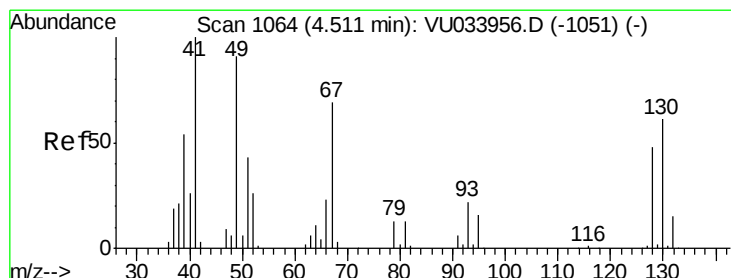
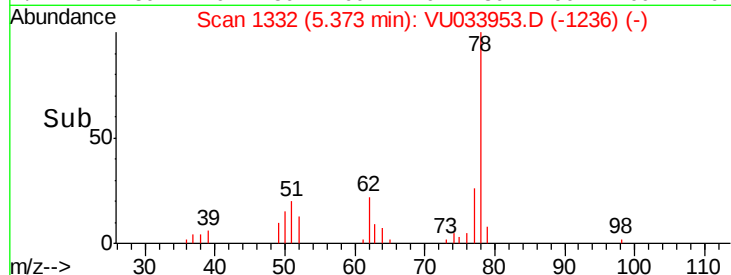
4000

2000

0

5.30 5.35 5.40 5.45

Time-->



#41

Methacrylonitrile

Concen: 0.304 ug/l

RT: 4.54 min Scan# 1072

Delta R.T. 0.03 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Tgt Ion: 41 Resp: 1219

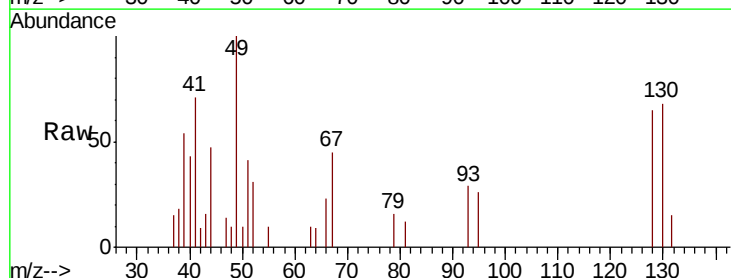
Ion Ratio Lower Upper

41 100

39 128.8 43.3 64.9#

67 103.9 57.5 86.3#

52 46.3 22.6 34.0#



Abundance Ion 41.00 (40.70 to 41.70): VU033953.D (-971) (-)

Ion 39.00 (38.70 to 39.70): VU033953.D (-971) (-)

Ion 67.00 (66.70 to 67.70): VU033953.D (-971) (-)

Ion 52.00 (51.70 to 52.70): VU033953.D (-971) (-)

1200

1000

800

600

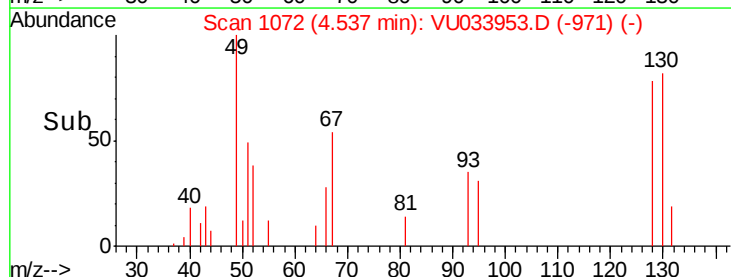
400

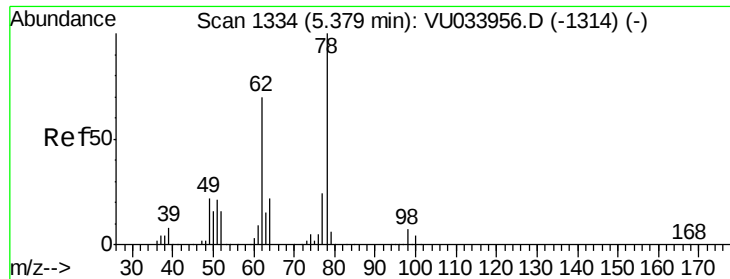
200

0

4.50 4.52 4.54 4.56

Time-->





#42

1,2-Dichloroethane

Concen: 1.103 ug/l

RT: 5.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

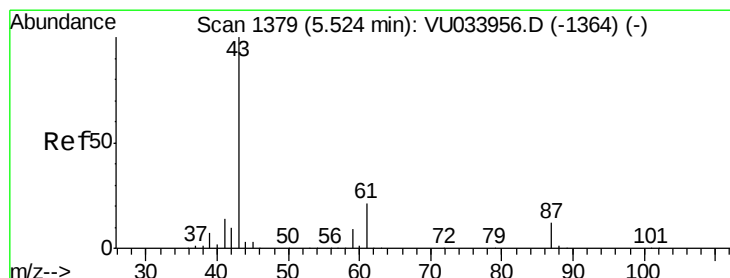
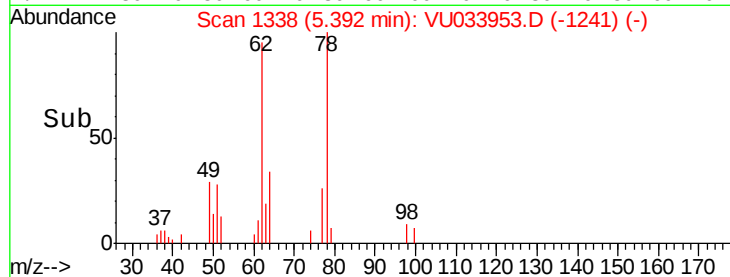
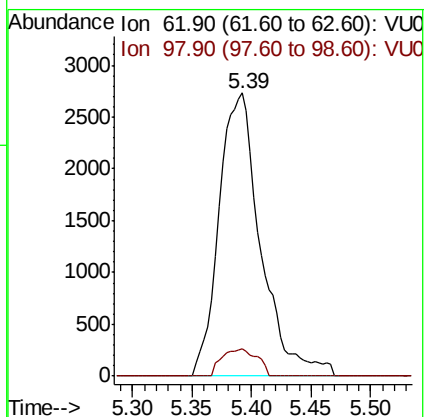
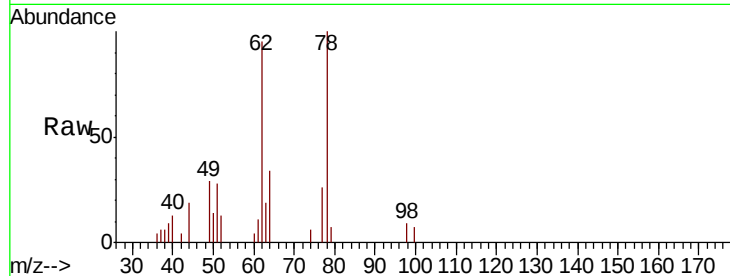
VSTDIC001

Tot Ion: 62 Resp: 6626

Ion Ratio Lower Upper

62 100

98 8.1 0.0 18.2



#43

Isopropyl Acetate

Concen: 0.758 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

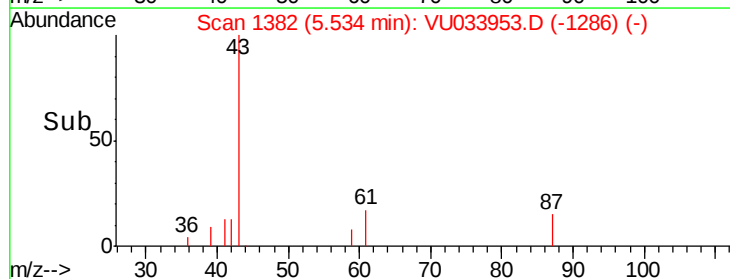
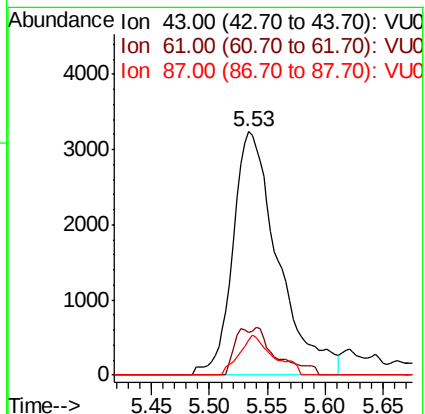
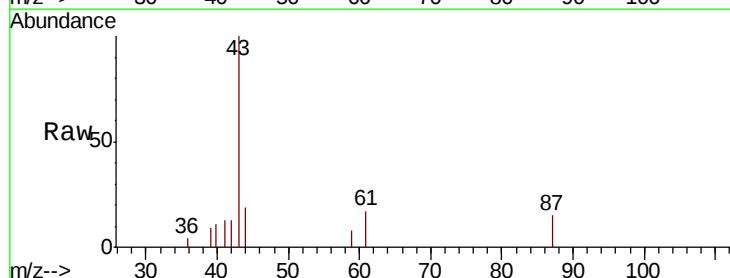
Tgt Ion: 43 Resp: 8750

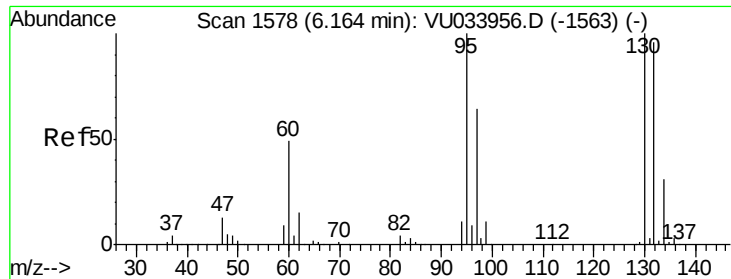
Ion Ratio Lower Upper

43 100

61 6.3 16.1 24.1#

87 12.2 9.9 14.9





#44

Trichloroethene

Concen: 1.312 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

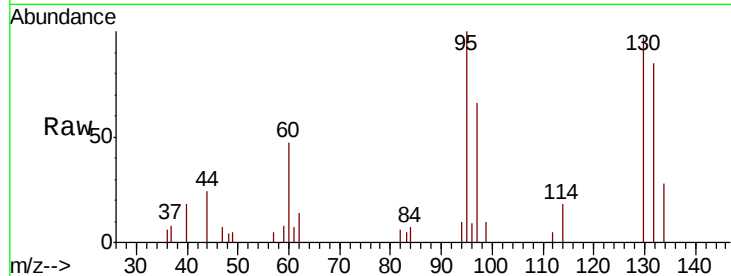
VSTDIC001

Tot Ion:130 Resp: 5077

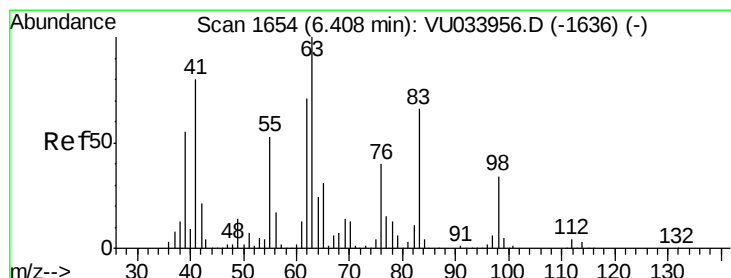
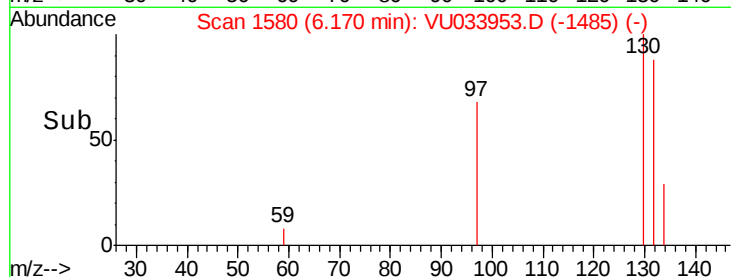
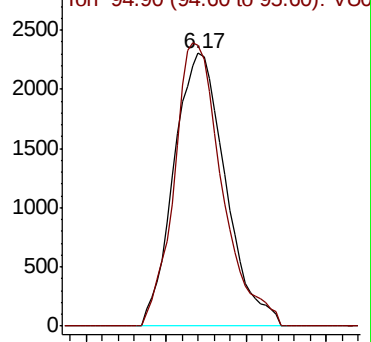
Ion Ratio Lower Upper

130 100

95 102.8 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VU033953.D (-1485) (-)



#45

1,2-Dichloropropane

Concen: 1.030 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VU033953.D

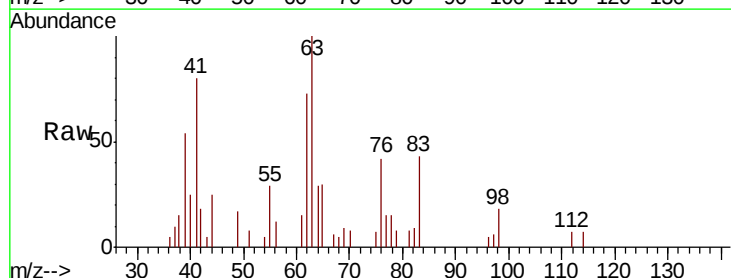
Acq: 26 Aug 2019 16:40

Tgt Ion: 63 Resp: 4891

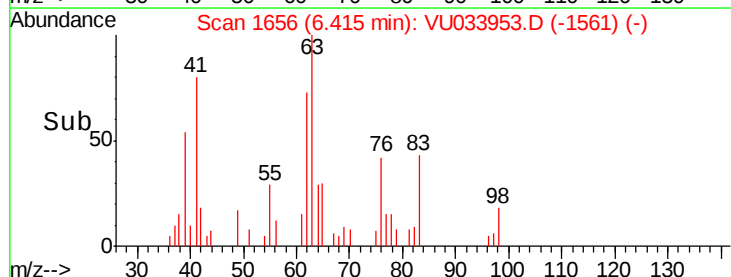
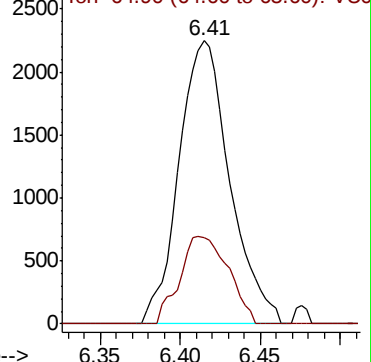
Ion Ratio Lower Upper

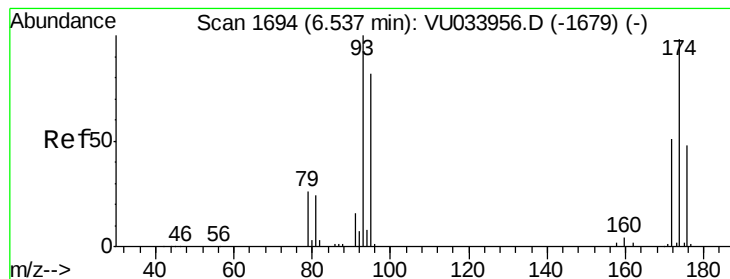
63 100

65 30.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU033953.D (-1561) (-)





#46

Dibromomethane

Concen: 1.076 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

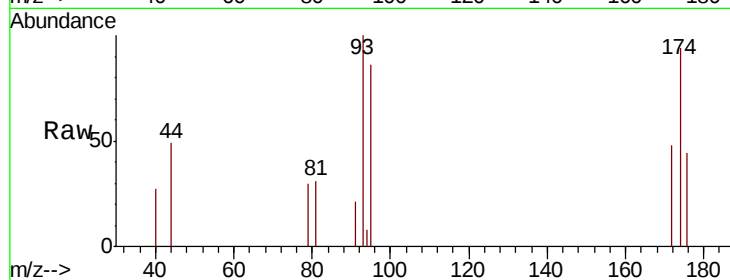
Tot Ion: 93 Resp: 3077

Ion Ratio Lower Upper

93 100

95 84.0 67.3 100.9

174 99.1 79.7 119.5

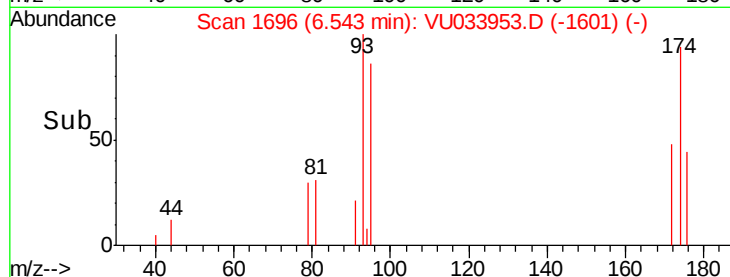


Abundance Ion 92.80 (92.50 to 93.50): VU033953.D (-1679) (-)

Ion 94.80 (94.50 to 95.50): VU033953.D (-1679) (-)

Ion 173.70 (173.40 to 174.40): VU033953.D (-1679) (-)

Time-->

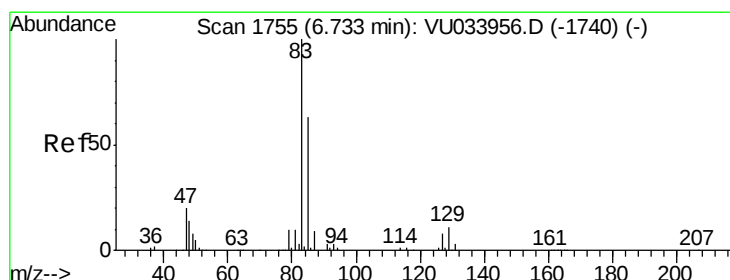


Abundance Ion 92.80 (92.50 to 93.50): VU033953.D (-1601) (-)

Ion 94.80 (94.50 to 95.50): VU033953.D (-1601) (-)

Ion 173.70 (173.40 to 174.40): VU033953.D (-1601) (-)

Time-->



#47

Bromodichloromethane

Concen: 1.170 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

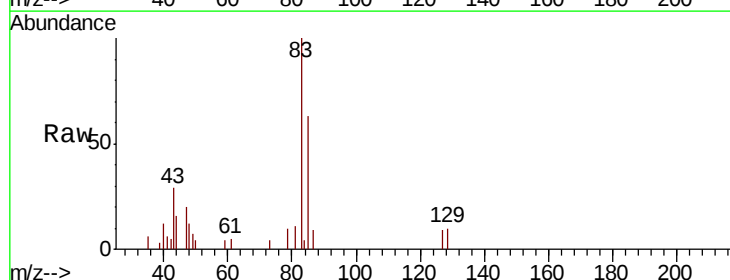
Tgt Ion: 83 Resp: 6572

Ion Ratio Lower Upper

83 100

85 63.4 50.5 75.7

127 9.1 6.6 9.8

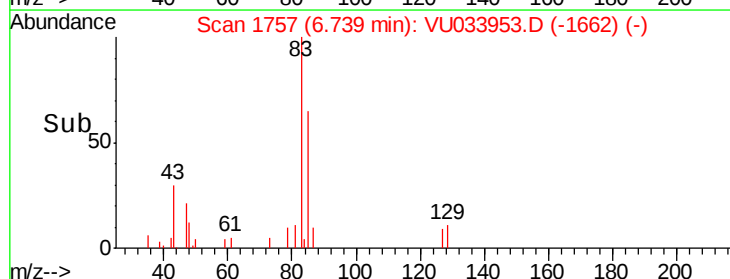


Abundance Ion 82.90 (82.60 to 83.60): VU033953.D (-1662) (-)

Ion 84.90 (84.60 to 85.60): VU033953.D (-1662) (-)

Ion 126.80 (126.50 to 127.50): VU033953.D (-1662) (-)

Time-->

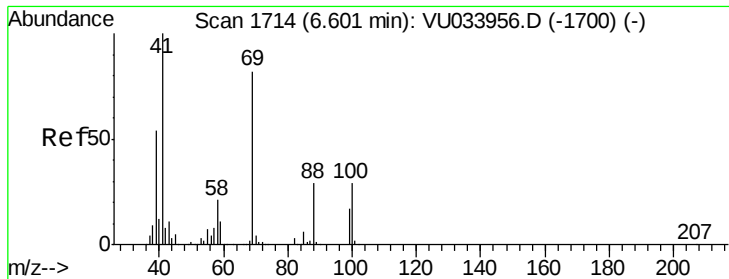


Abundance Ion 82.90 (82.60 to 83.60): VU033953.D (-1662) (-)

Ion 84.90 (84.60 to 85.60): VU033953.D (-1662) (-)

Ion 126.80 (126.50 to 127.50): VU033953.D (-1662) (-)

Time-->



#48

Methvl methacrylate

Concen: 0.520 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.02 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

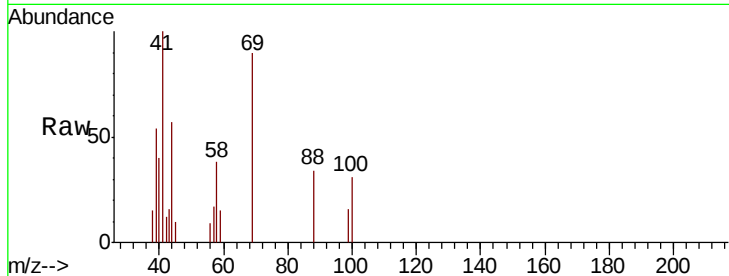
Tot Ion: 41 Resp: 2966

Ion Ratio Lower Upper

41 100

69 88.3 66.9 100.3

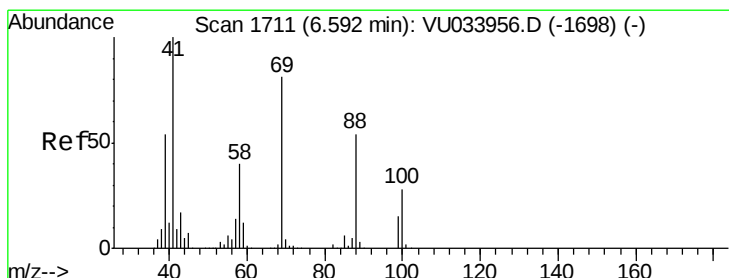
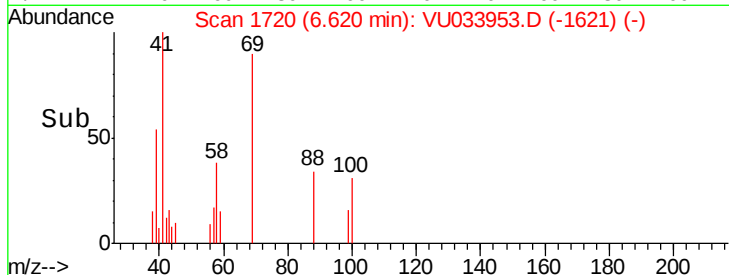
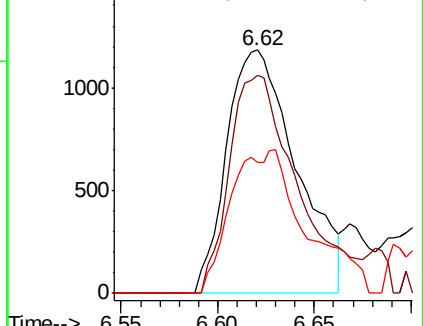
39 29.4 43.3 64.9#



Abundance Ion 41.00 (40.70 to 41.70): VU033953.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU033953.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU033953.D (-1621) (-)



#49

1,4-Dioxane

Concen: 17.685 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

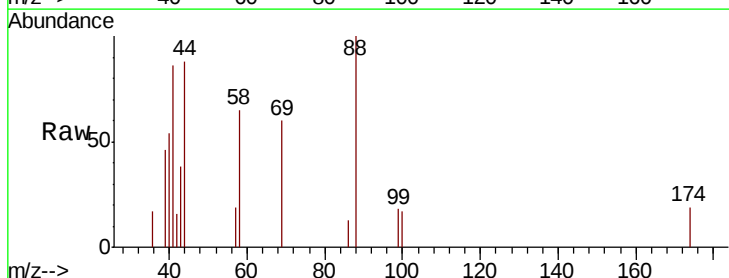
Tgt Ion: 88 Resp: 1686

Ion Ratio Lower Upper

88 100

43 31.1 27.2 40.8

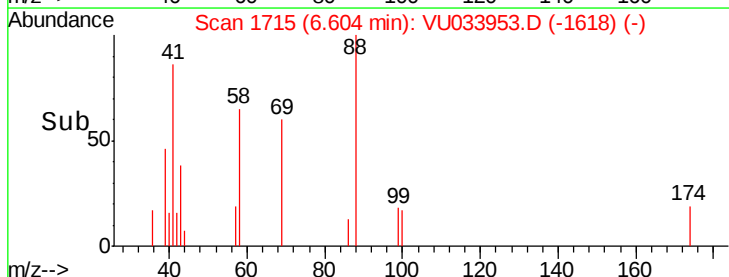
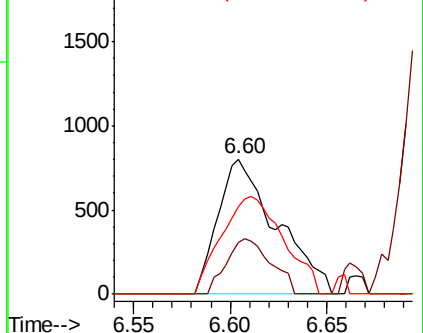
58 76.7 59.3 88.9

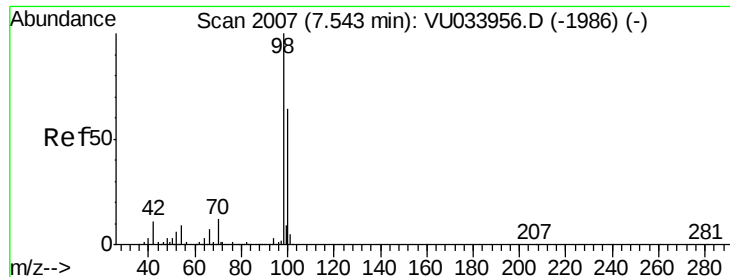


Abundance Ion 88.00 (87.70 to 88.70): VU033953.D (-1618) (-)

Ion 43.00 (42.70 to 43.70): VU033953.D (-1618) (-)

Ion 58.00 (57.70 to 58.70): VU033953.D (-1618) (-)

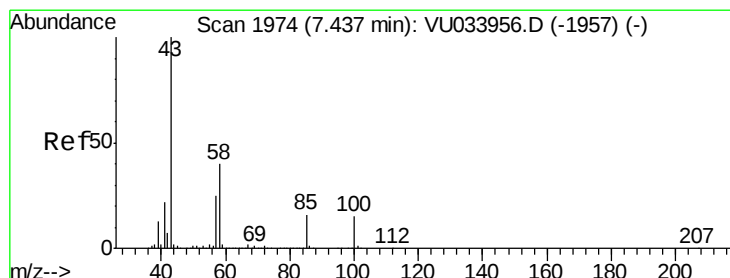
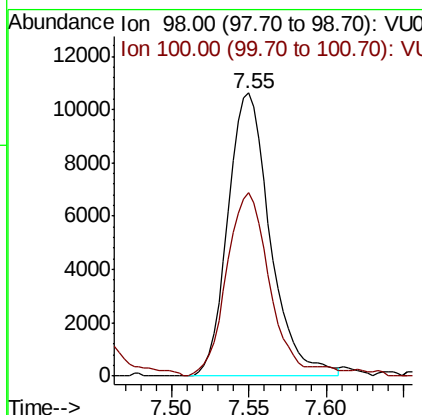
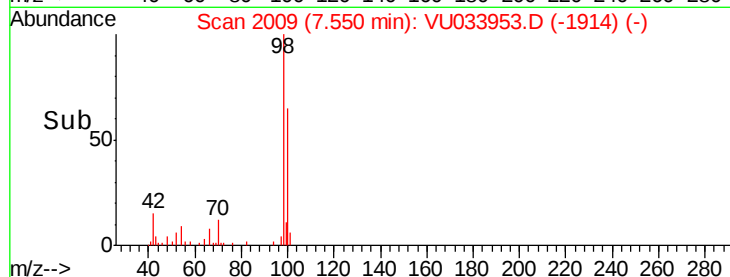
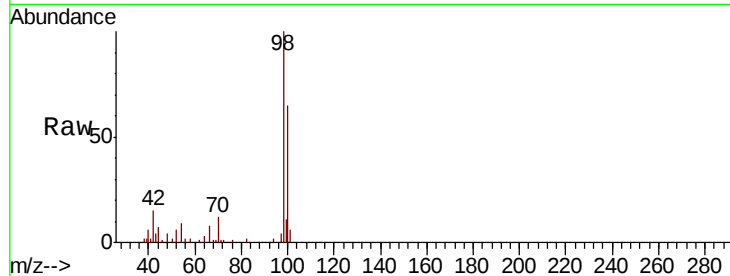




#50
Toluene-d8
Concen: 1.530 ug/l
RT: 7.55 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

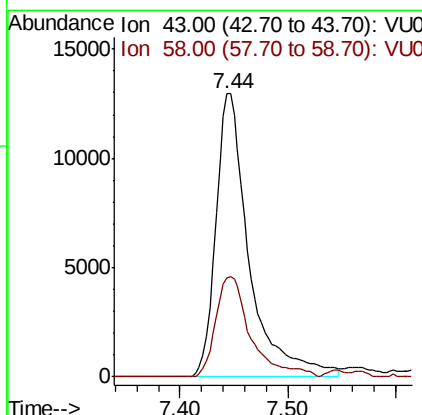
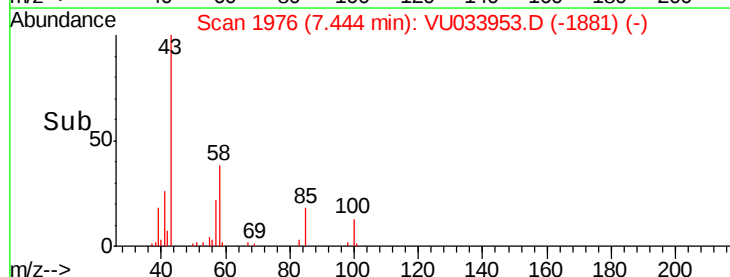
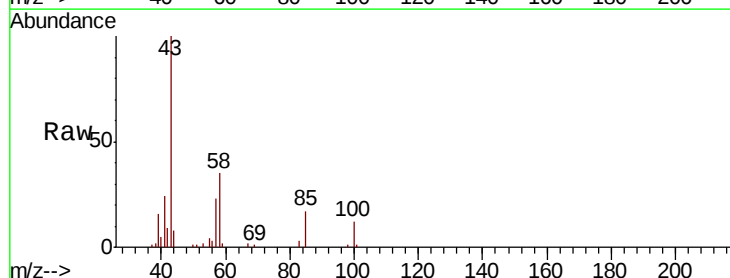
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

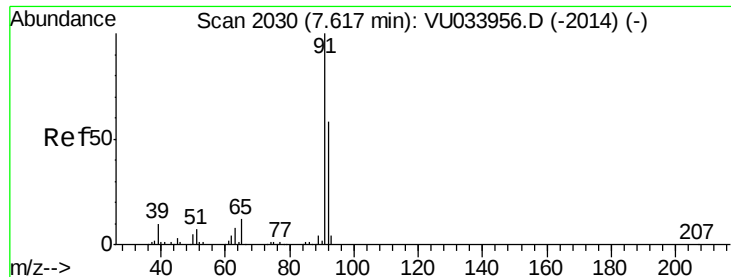
Tot Ion: 98 Resp: 20200
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.768 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion: 43 Resp: 27795
Ion Ratio Lower Upper
43 100
58 36.9 31.6 47.4





#52

Toluene

Concen: 0.854 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

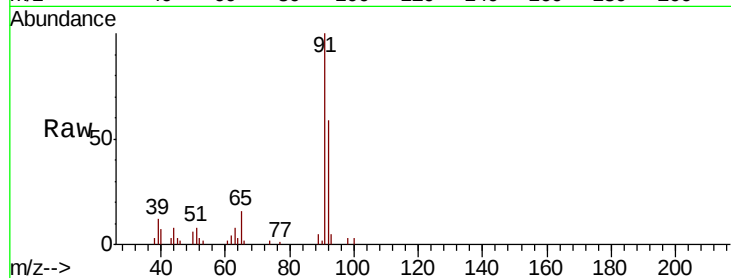
VSTDIC001

Tot Ion: 92 Resp: 8587

Ion Ratio Lower Upper

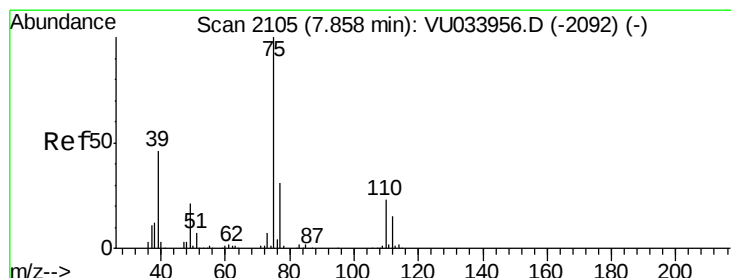
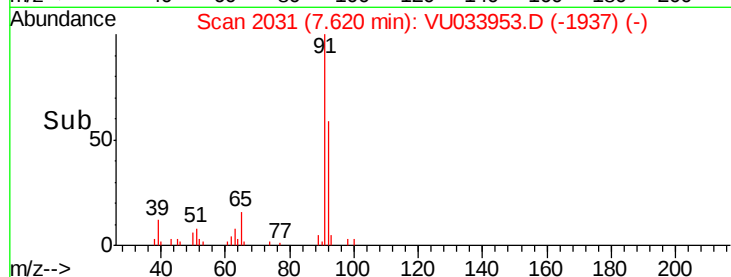
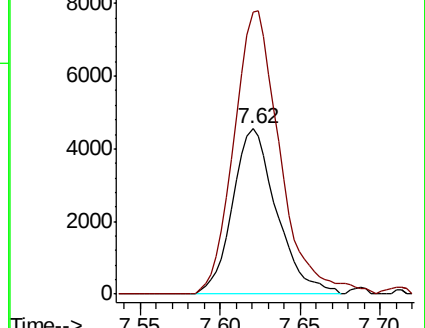
92 100

91 178.9 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VU033953.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU033953.D (-1937) (-)



#53

t-1,3-Dichloropropene

Concen: 0.769 ug/l

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU033953.D

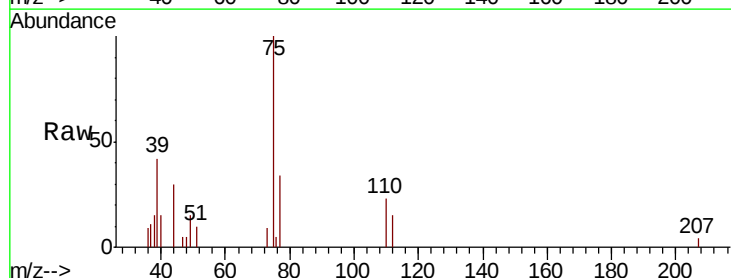
Acq: 26 Aug 2019 16:40

Tgt Ion: 75 Resp: 5072

Ion Ratio Lower Upper

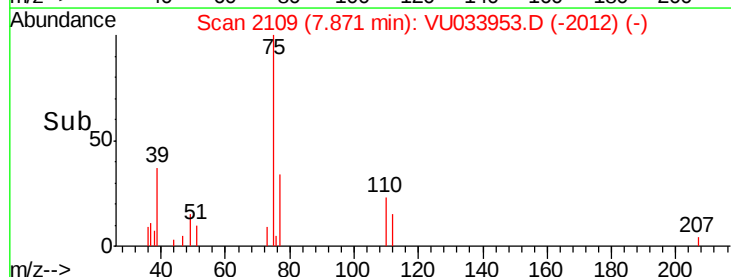
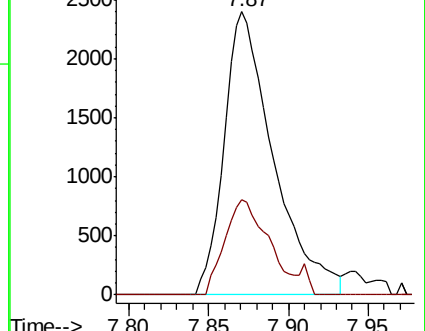
75 100

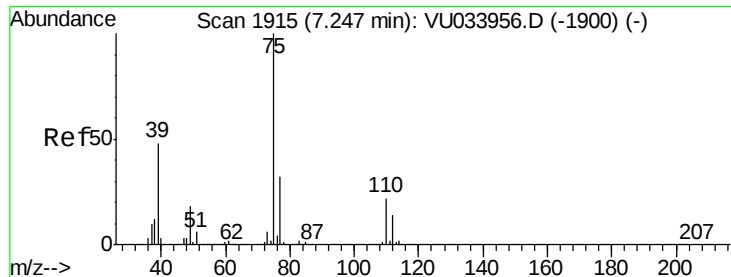
77 33.6 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU033953.D (-2102) (-)

Ion 76.90 (76.60 to 77.60): VU033953.D (-2102) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.917 ug/l

RT: 7.26 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

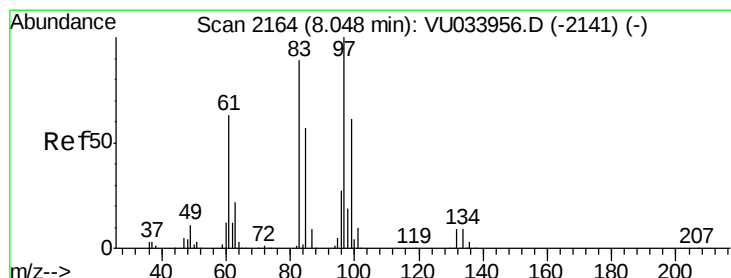
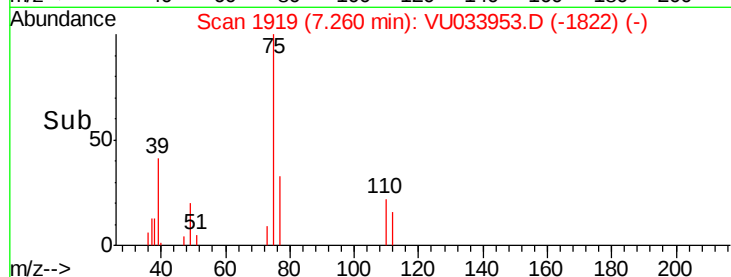
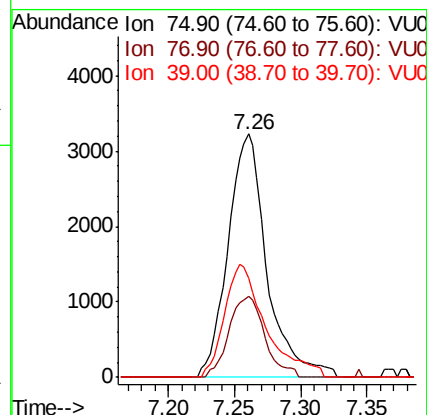
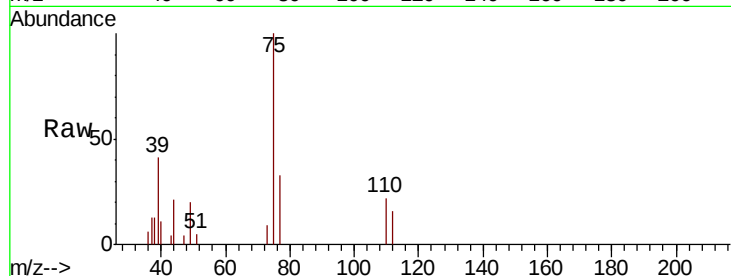
Tot Ion: 75 Resp: 6566

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0

39 40.7 38.3 57.5



#55

1,1,2-Trichloroethane

Concen: 1.146 ug/l

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Tgt Ion: 97 Resp: 4582

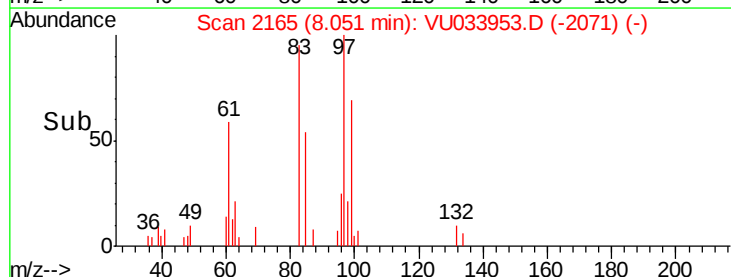
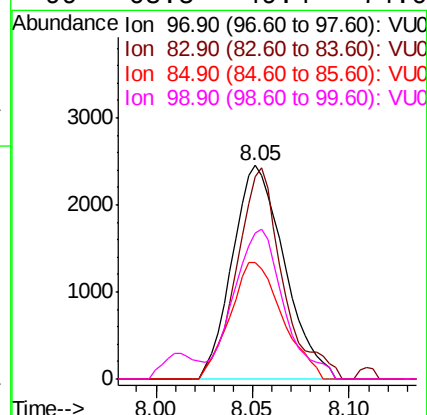
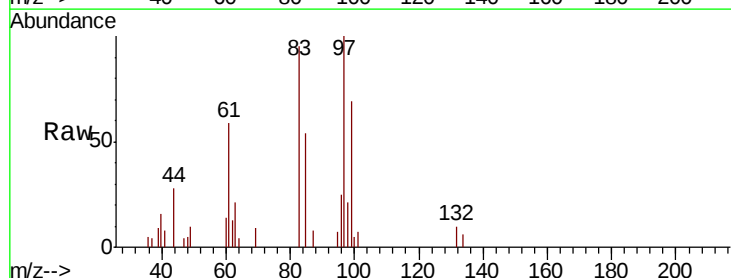
Ion Ratio Lower Upper

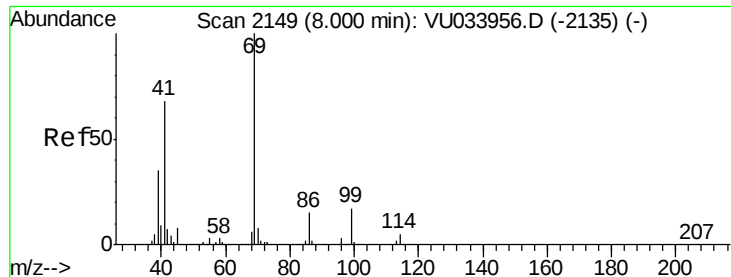
97 100

83 94.9 71.0 106.4

85 54.3 45.5 68.3

99 68.5 49.4 74.0





#56

Ethyl methacrylate

Concen: 0.593 ug/l

RT: 8.01 min Scan# 2152

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

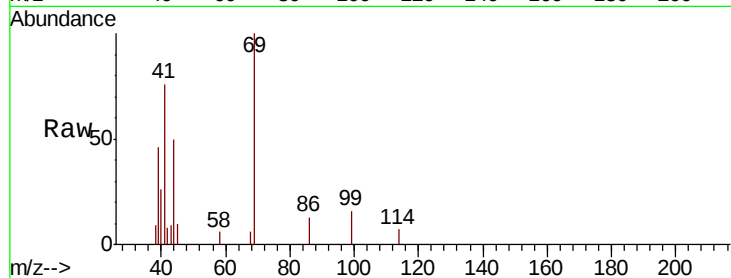
Tot Ion: 69 Resp: 3982

Ion Ratio Lower Upper

69 100

41 68.6 54.1 81.1

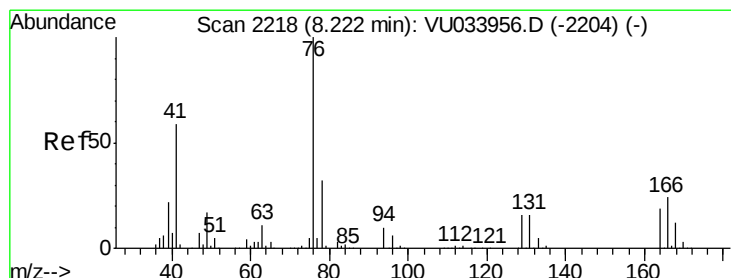
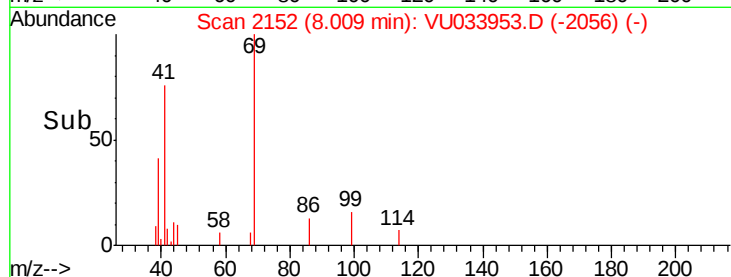
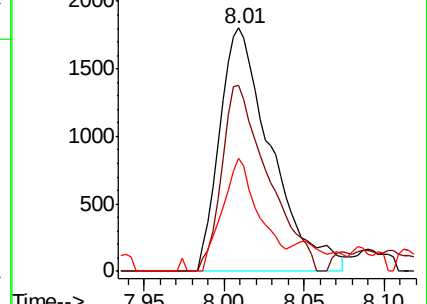
39 33.9 28.1 42.1



Abundance Ion 69.00 (68.70 to 69.70): VU033956.D (-2135) (-)

Ion 41.00 (40.70 to 41.70): VU033956.D (-2135) (-)

Ion 39.00 (38.70 to 39.70): VU033956.D (-2135) (-)



#57

1,3-Dichloropropane

Concen: 1.002 ug/l

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU033953.D

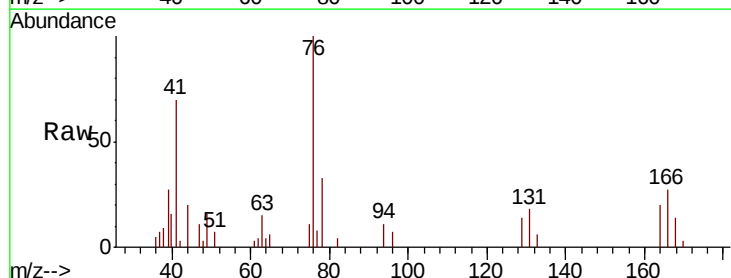
Acq: 26 Aug 2019 16:40

Tgt Ion: 76 Resp: 7418

Ion Ratio Lower Upper

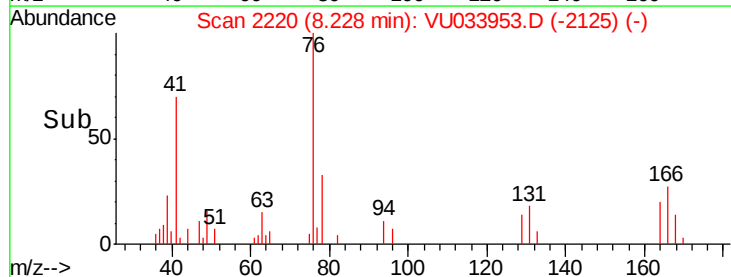
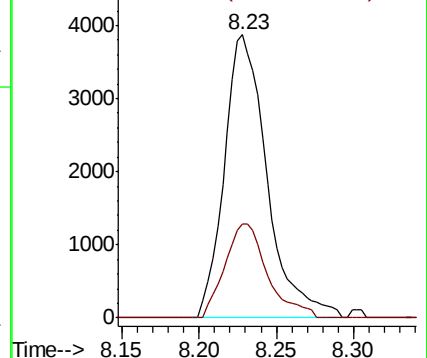
76 100

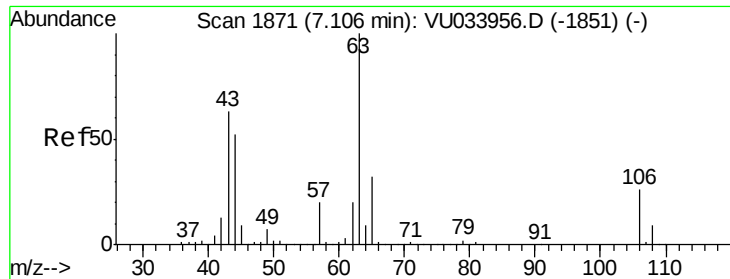
78 33.2 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU033956.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU033956.D (-2204) (-)

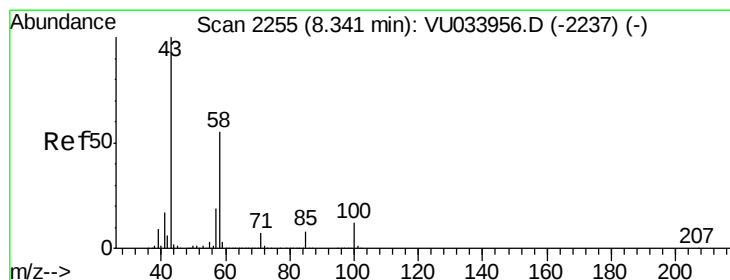
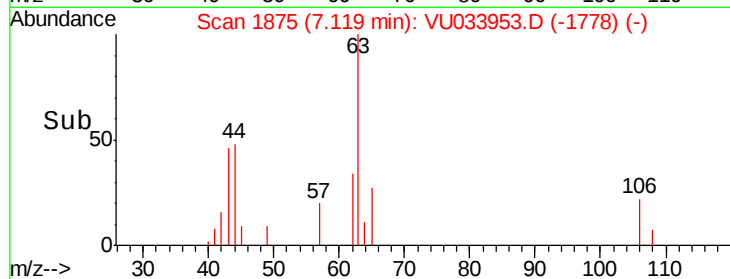
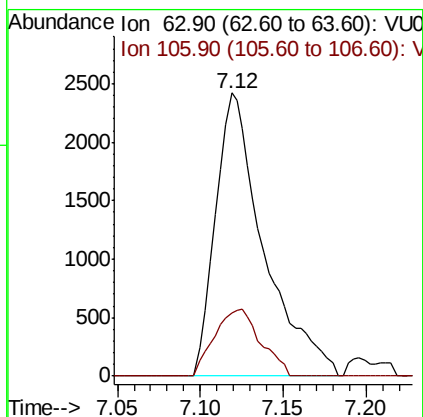
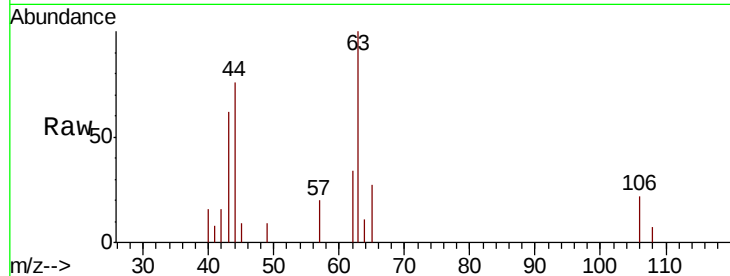




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.478 ug/l
 RT: 7.12 min Scan# 1875
 Delta R.T. 0.01 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

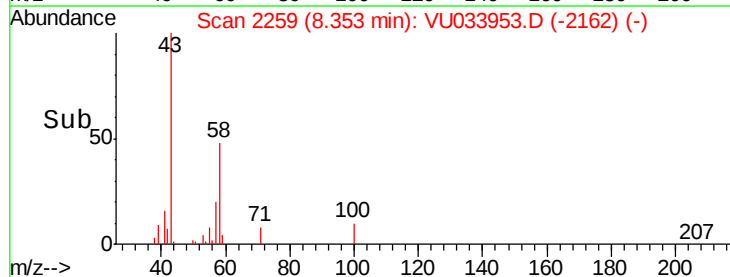
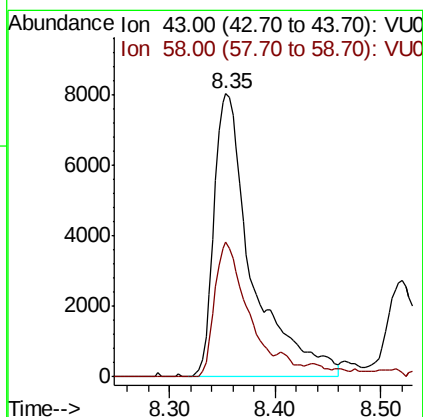
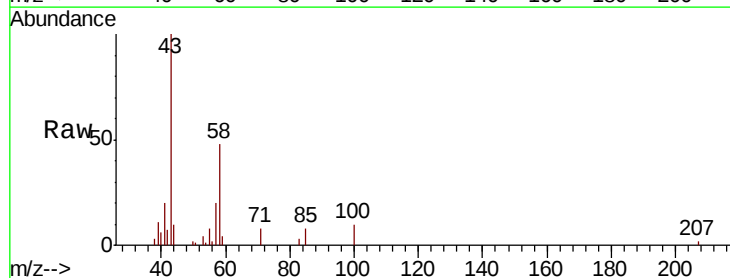
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

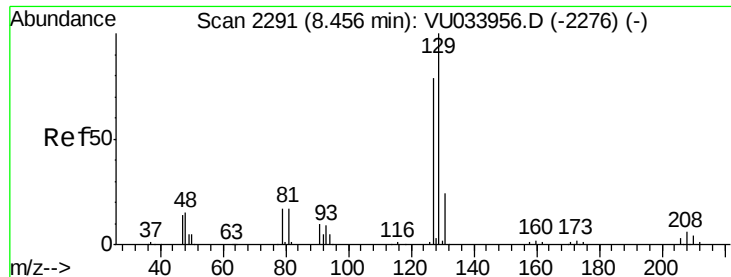
Tot Ion: 63 Resp: 4876
 Ion Ratio Lower Upper
 63 100
 106 22.6 20.8 31.2



#59
 2-Hexanone
 Concen: 3.442 ug/l
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.01 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion: 43 Resp: 20084
 Ion Ratio Lower Upper
 43 100
 58 40.0 27.3 81.9





#60

Dibromochloromethane

Concen: 1.109 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

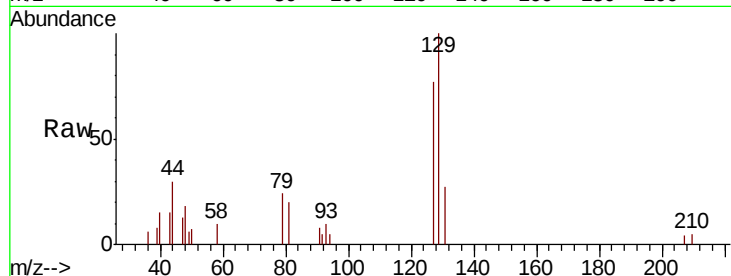
VSTDIC001

Tot Ion:129 Resp: 4422

Ion Ratio Lower Upper

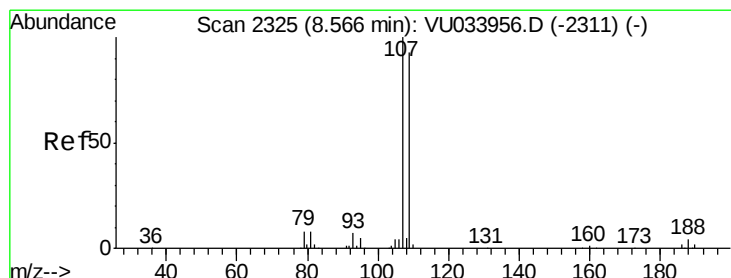
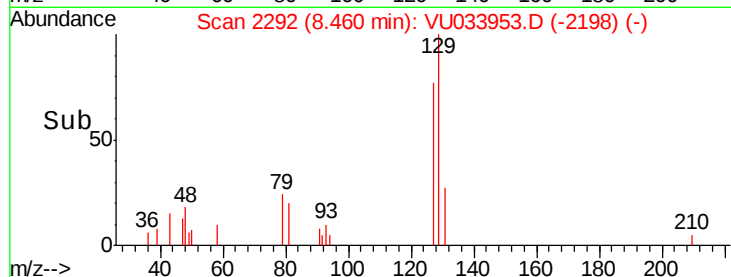
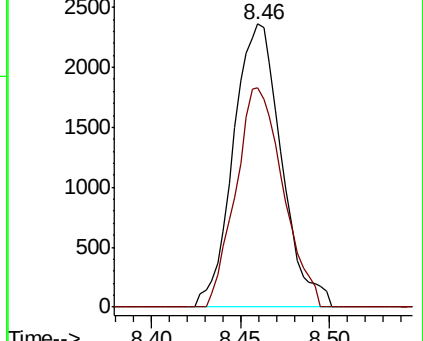
129 100

127 76.3 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.997 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VU033953.D

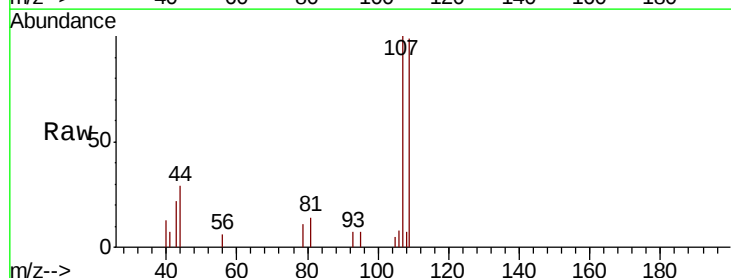
Acq: 26 Aug 2019 16:40

Tgt Ion:107 Resp: 4195

Ion Ratio Lower Upper

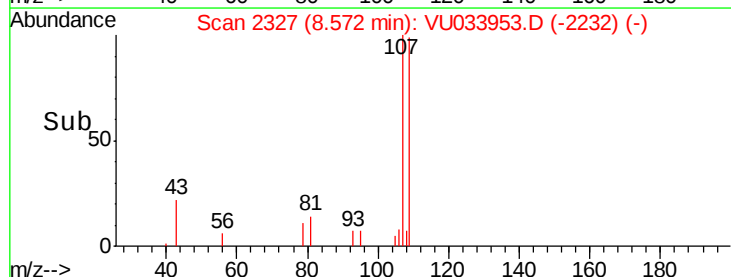
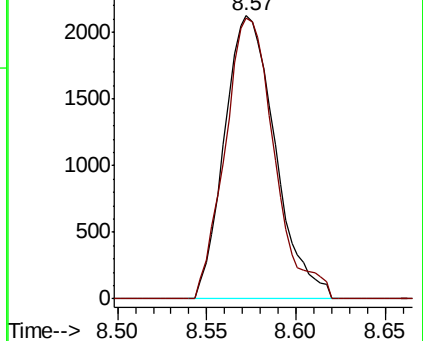
107 100

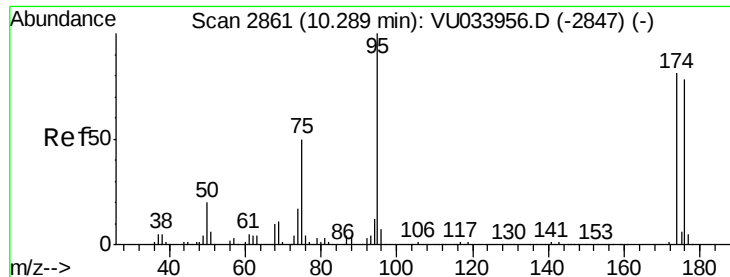
109 96.5 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 1.807 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

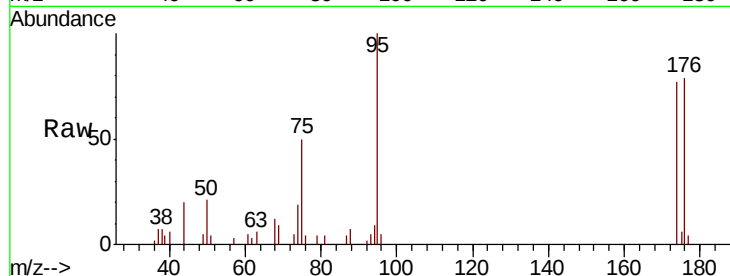
Tot Ion: 95 Resp: 8921

Ion Ratio Lower Upper

95 100

174 84.1 0.0 160.4

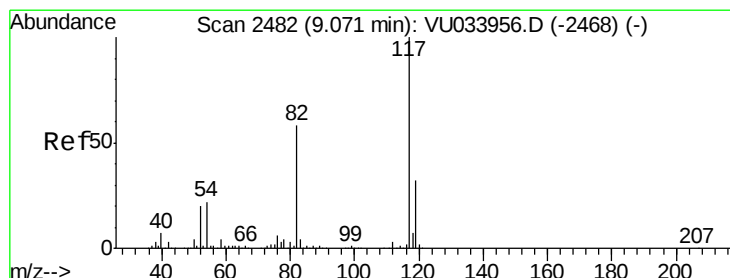
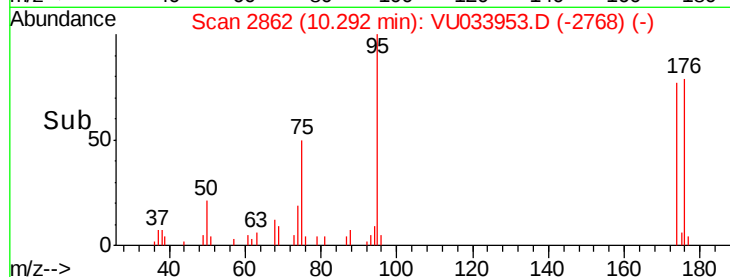
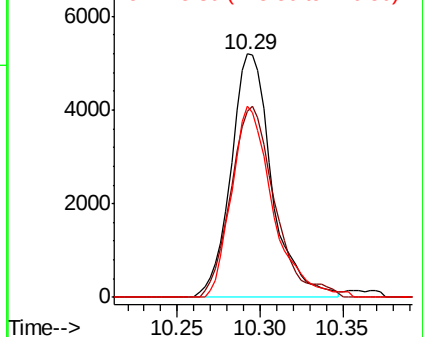
176 78.9 0.0 154.2



Abundance Ion 94.90 (94.60 to 95.60): VU033953.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU033953.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU033953.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. -0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

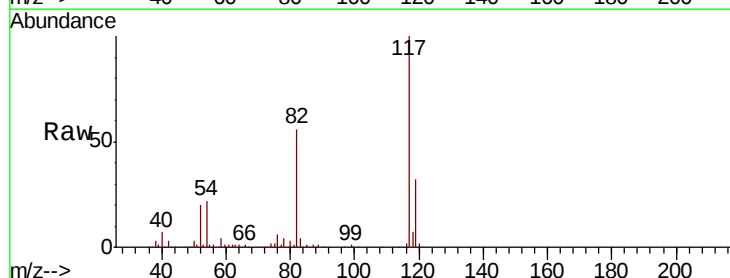
Tgt Ion: 117 Resp: 523966

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

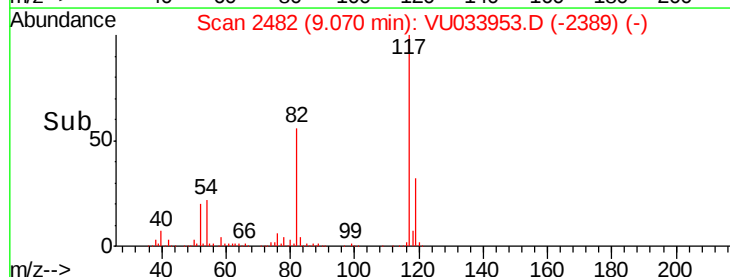
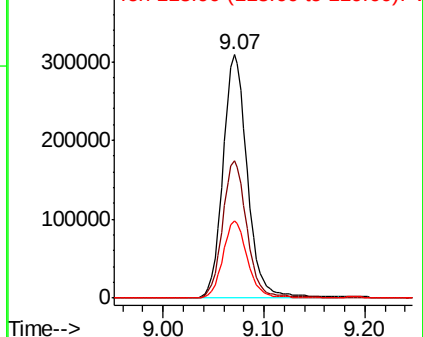
119 31.8 25.3 37.9

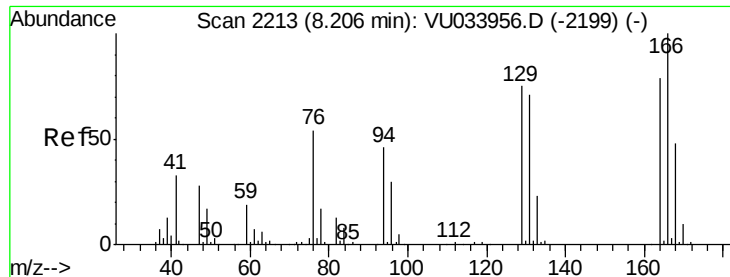


Abundance Ion 116.90 (116.60 to 117.60): VU033953.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU033953.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU033953.D (-2389) (-)





#64

Tetrachloroethene

Concen: 1.327 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4675

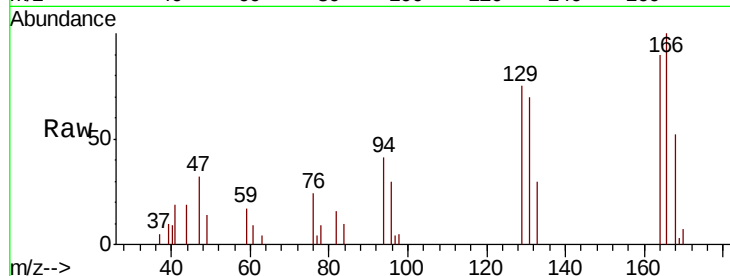
Ion Ratio Lower Upper

164 100

166 111.0 101.4 152.2

129 83.0 76.6 114.8

131 77.8 72.2 108.4

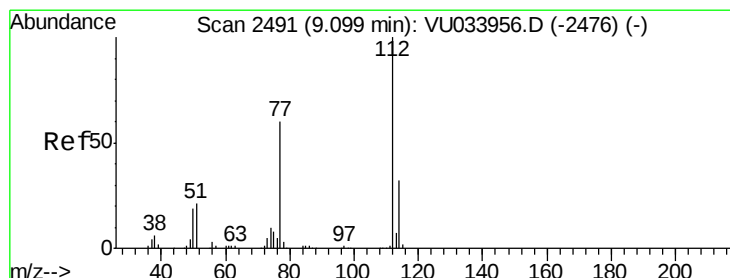
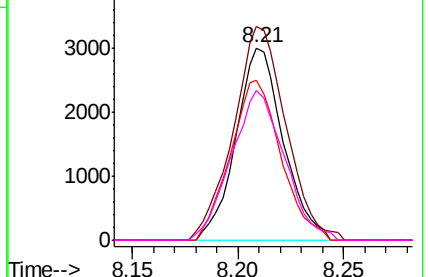
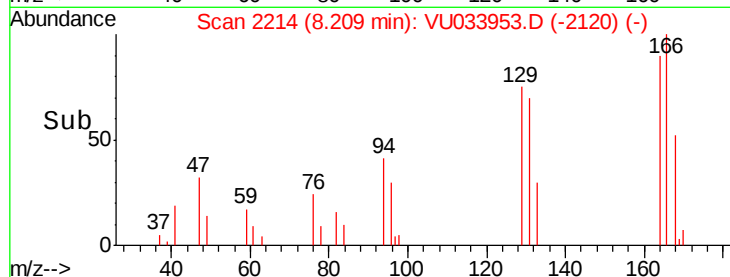


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.070 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033953.D

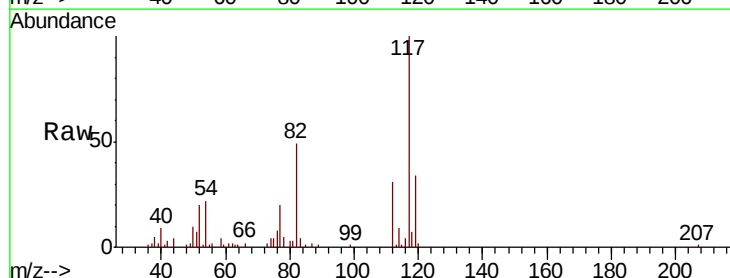
Acq: 26 Aug 2019 16:40

Tgt Ion:112 Resp: 11865

Ion Ratio Lower Upper

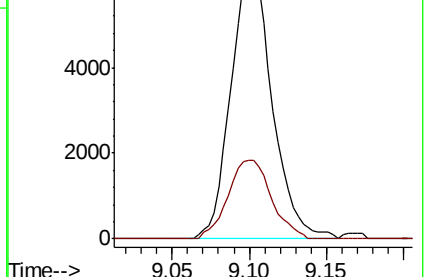
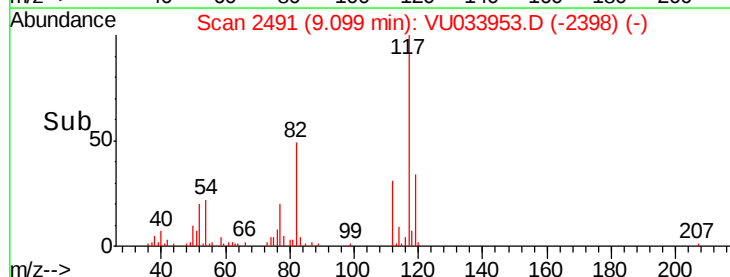
112 100

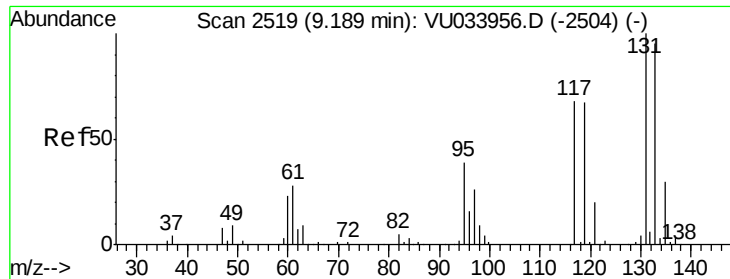
114 27.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.220 ug/l

RT: 9.19 min Scan# 2520

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

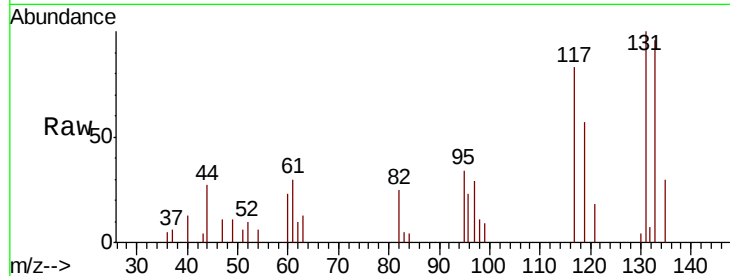
Tot Ion:131 Resp: 4400

Ion Ratio Lower Upper

131 100

133 92.8 47.7 143.1

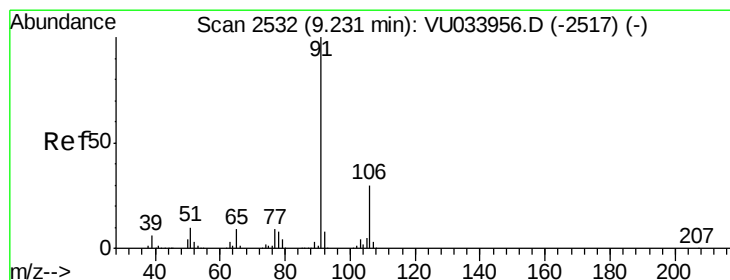
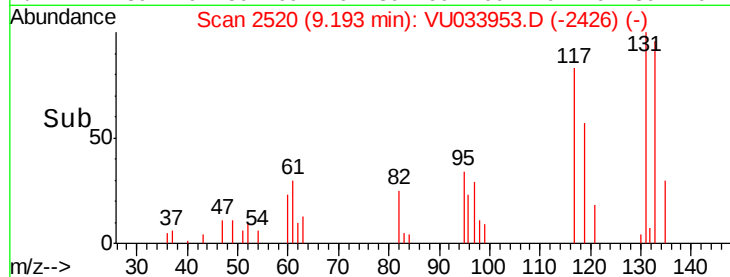
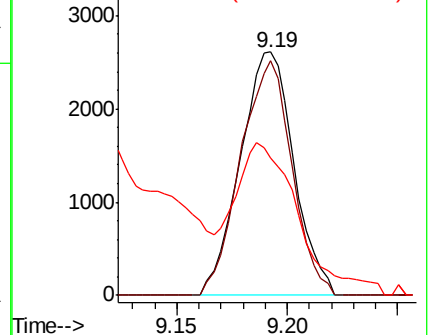
119 0.0 33.3 99.8#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.803 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033953.D

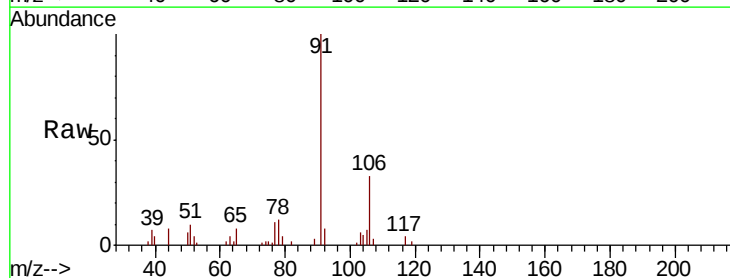
Acq: 26 Aug 2019 16:40

Tgt Ion: 91 Resp: 16257

Ion Ratio Lower Upper

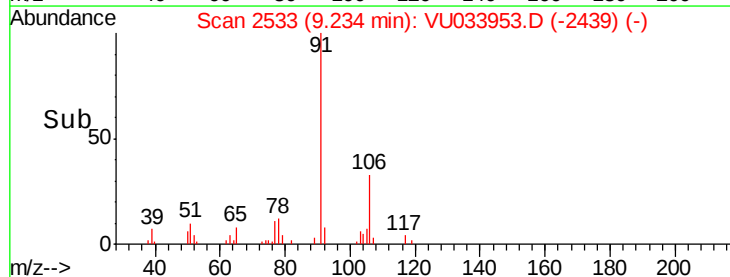
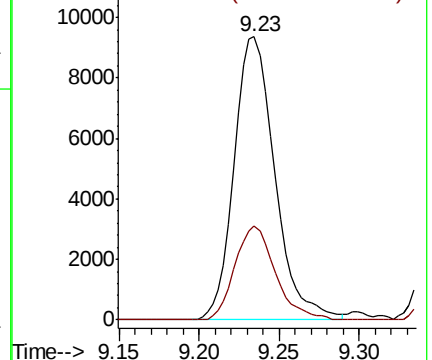
91 100

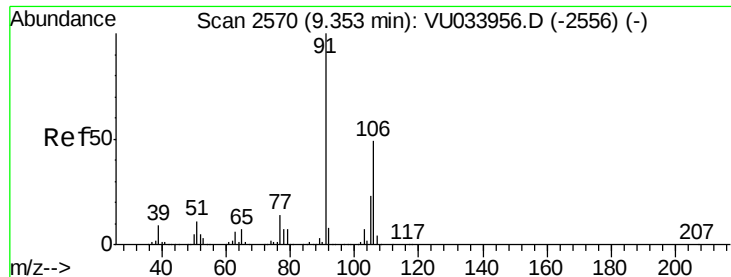
106 33.1 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

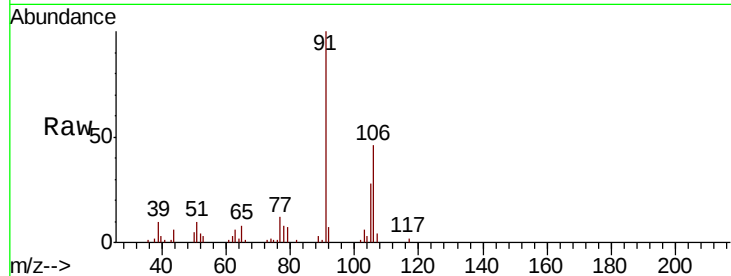




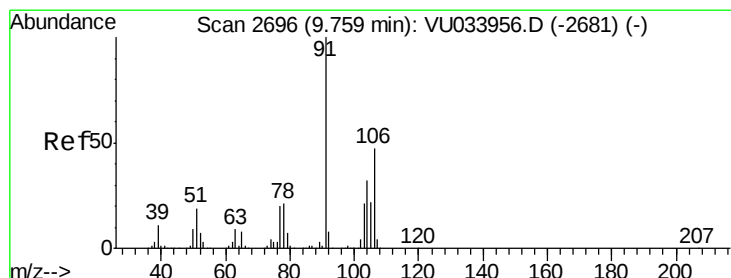
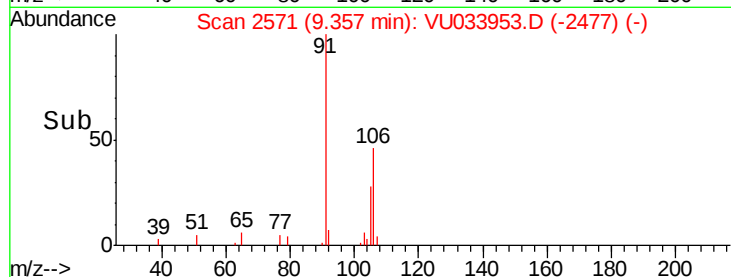
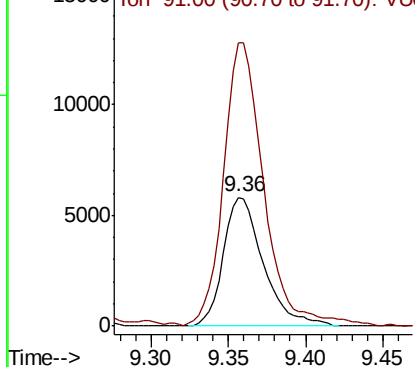
#68
m/p-Xylenes
Concen: 1.410 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 10416
Ion Ratio Lower Upper
106 100
91 222.2 163.8 245.6

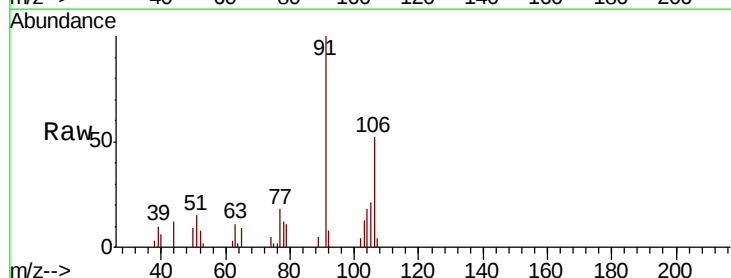


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

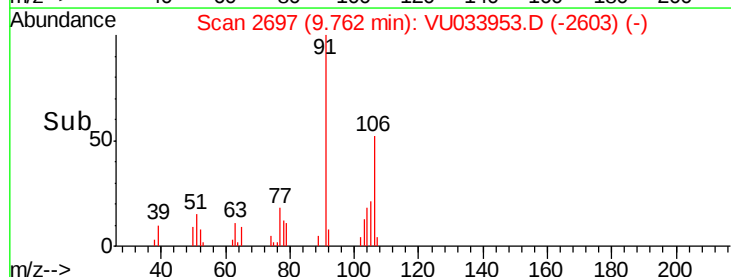
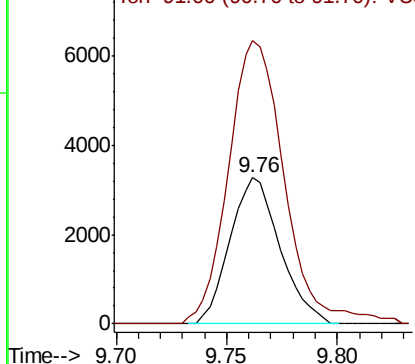


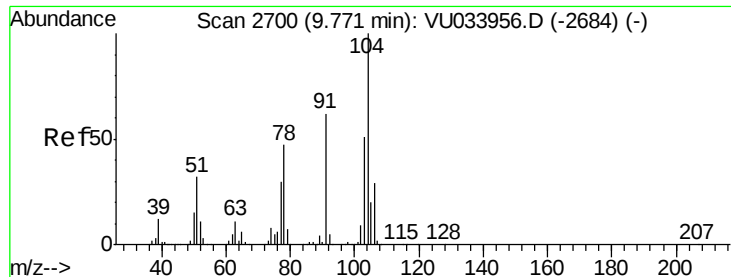
#69
o-Xylene
Concen: 0.721 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion:106 Resp: 5158
Ion Ratio Lower Upper
106 100
91 216.9 106.9 320.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

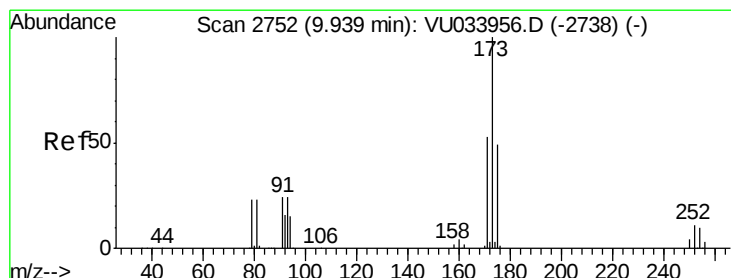
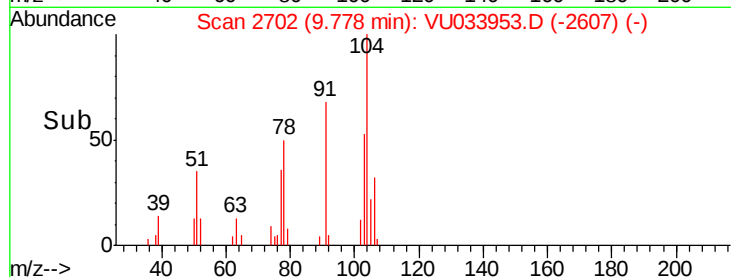
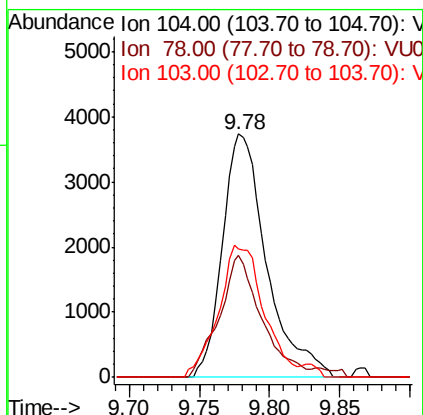
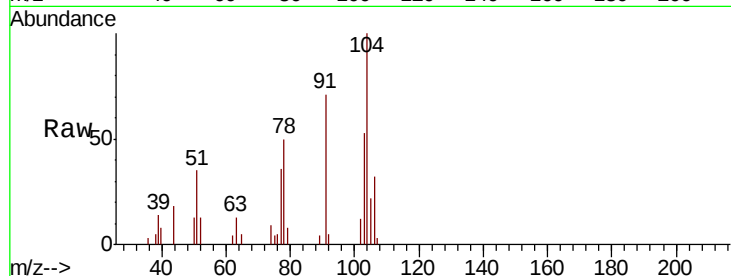




#70
Stvrene
Concen: 0.680 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

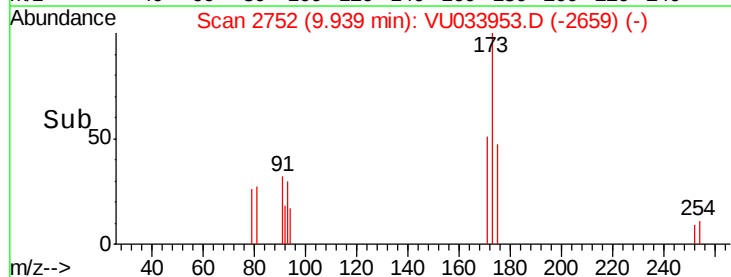
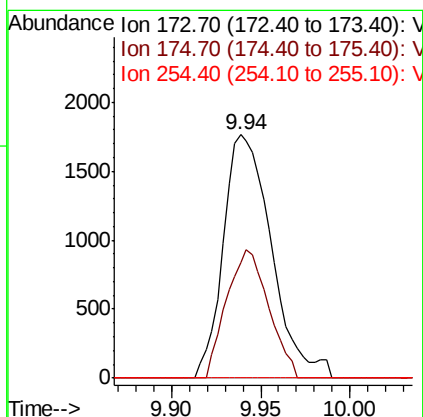
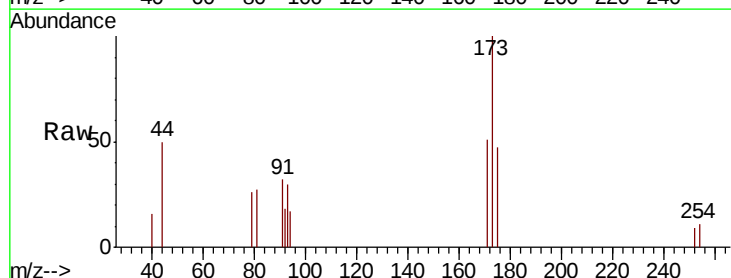
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

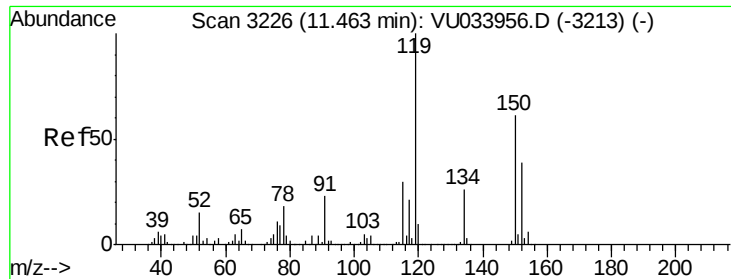
Tot Ion:104 Resp: 8151
Ion Ratio Lower Upper
104 100
78 48.4 40.4 60.6
103 55.4 43.8 65.6



#71
Bromoform
Concen: 1.081 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion:173 Resp: 3317
Ion Ratio Lower Upper
173 100
175 46.0 24.8 74.3
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

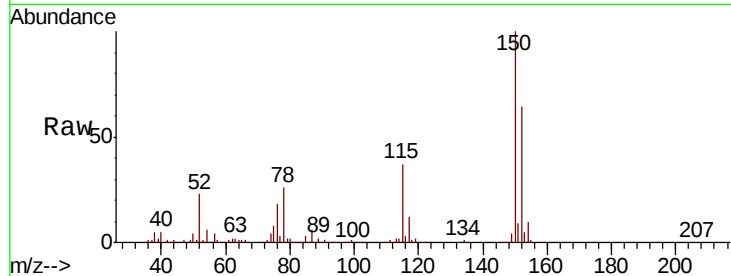
Tot Ion:152 Resp: 226448

Ion Ratio Lower Upper

152 100

115 59.1 40.3 120.9

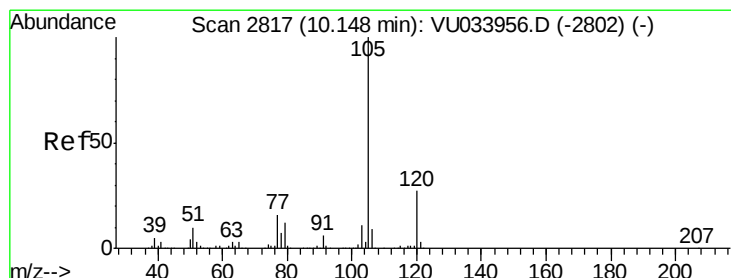
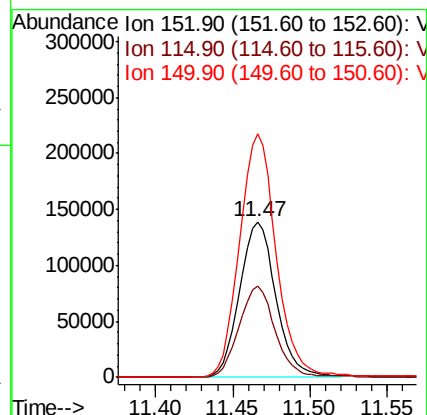
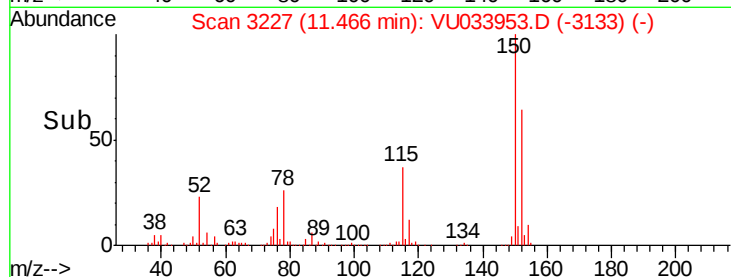
150 157.9 0.0 346.0



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: 0.755 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033953.D

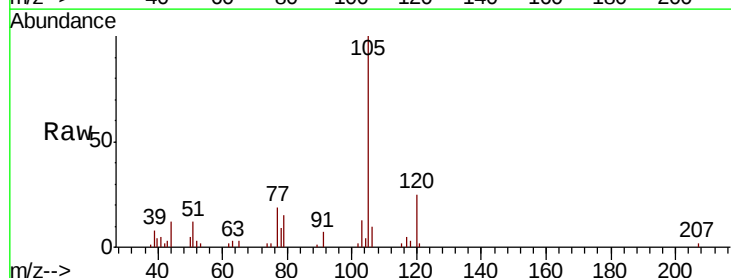
Acq: 26 Aug 2019 16:40

Tgt Ion:105 Resp: 12848

Ion Ratio Lower Upper

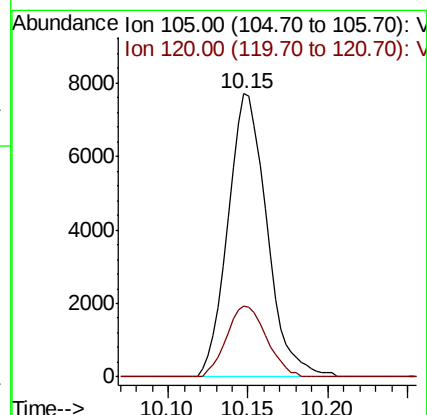
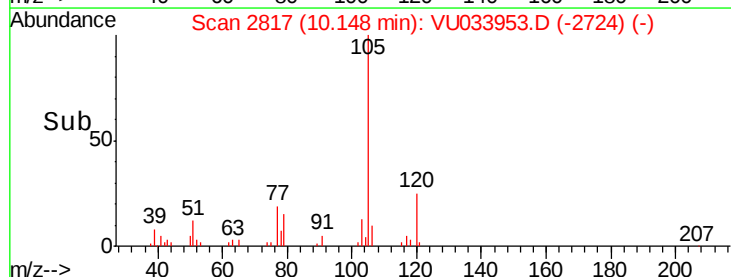
105 100

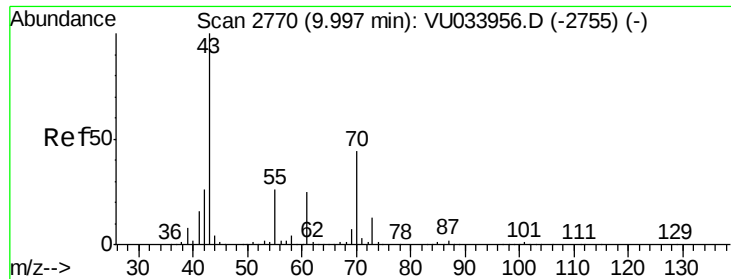
120 25.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.389 ug/l

RT: 10.01 min Scan# 2774

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

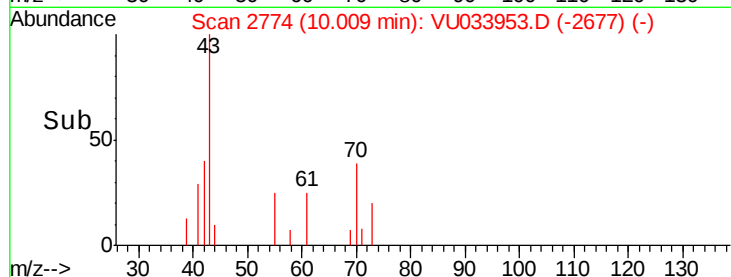
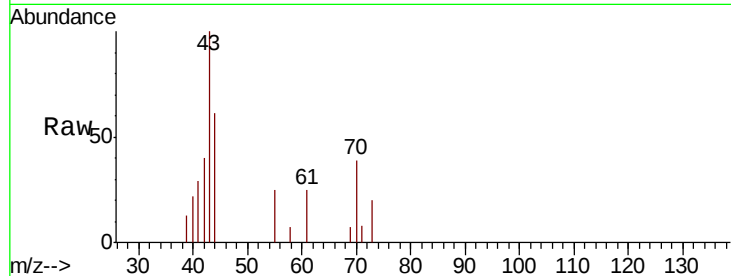
ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 3698

Ion Ratio Lower Upper

43	100		
70	42.0	34.5	51.7
55	20.6	20.9	31.3
61	21.1	19.7	29.5



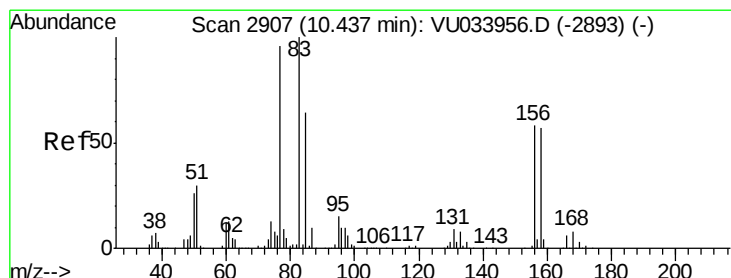
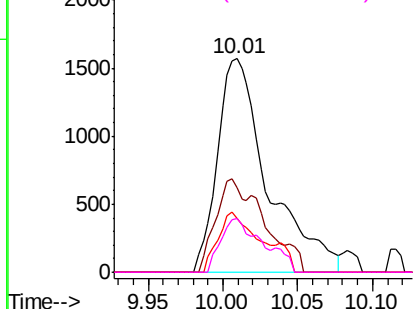
Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.087 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

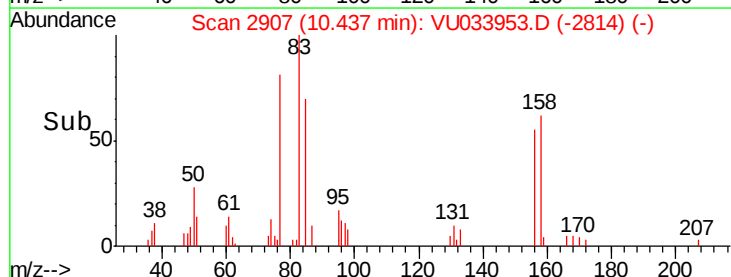
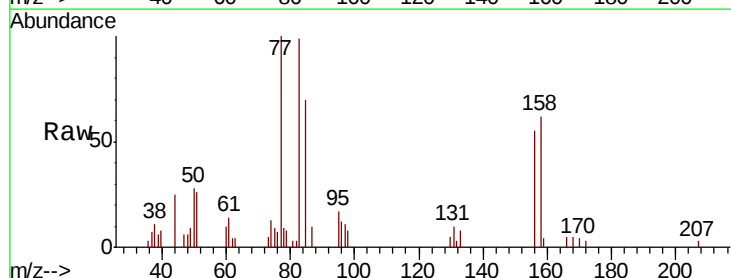
Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Tgt Ion: 83 Resp: 7095

Ion Ratio Lower Upper

83	100		
131	7.6	4.6	13.8
85	62.6	32.4	97.0

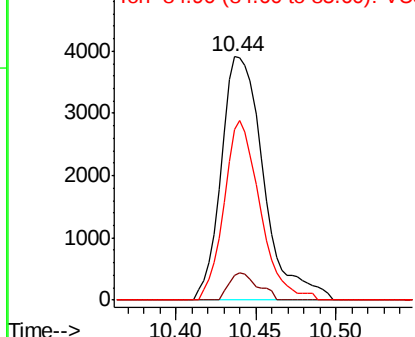


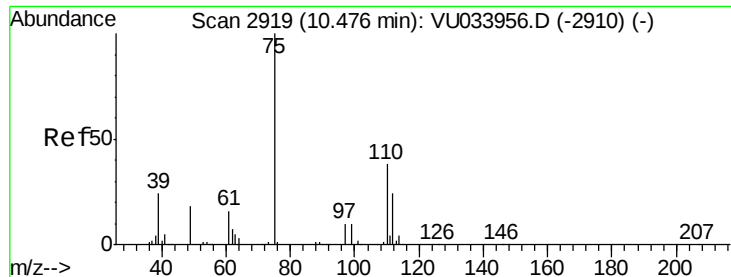
Abundance

Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

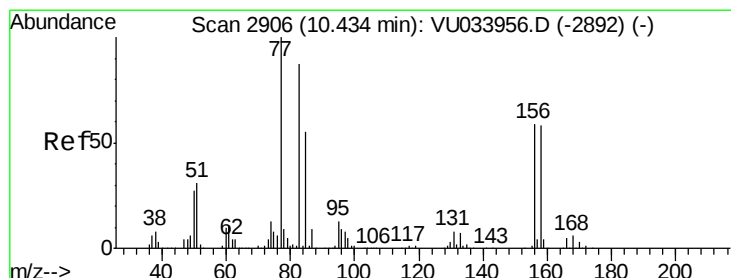
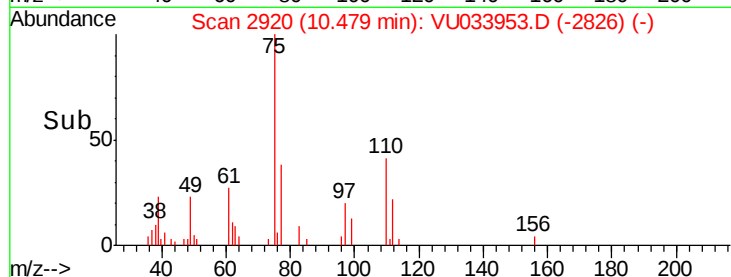
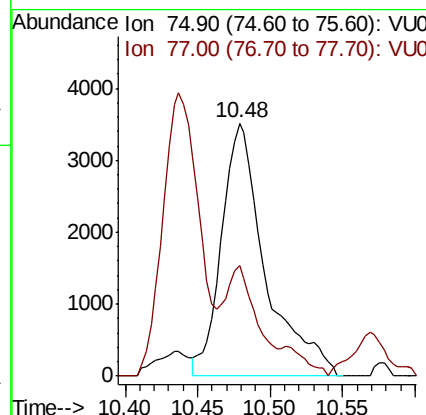
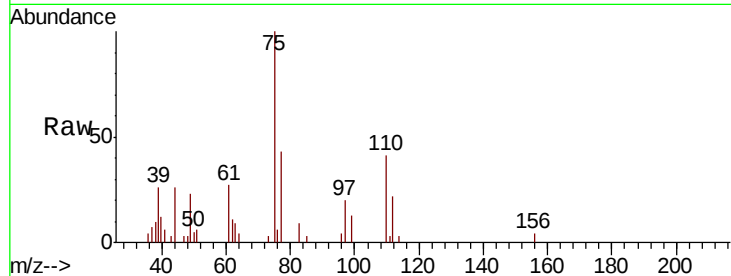




#76
 1,2,3-Trichloropropane
 Concen: 1.304 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

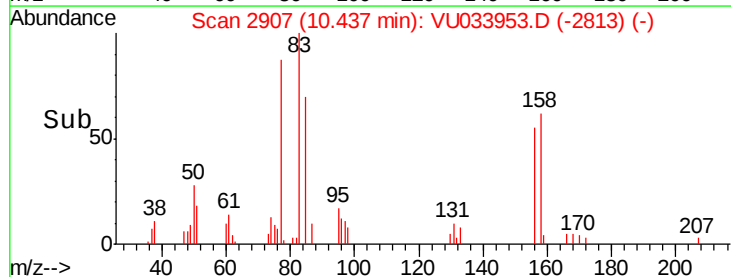
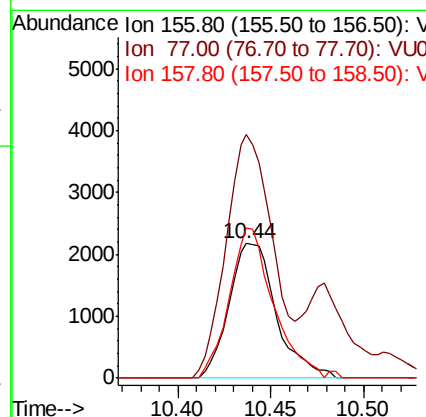
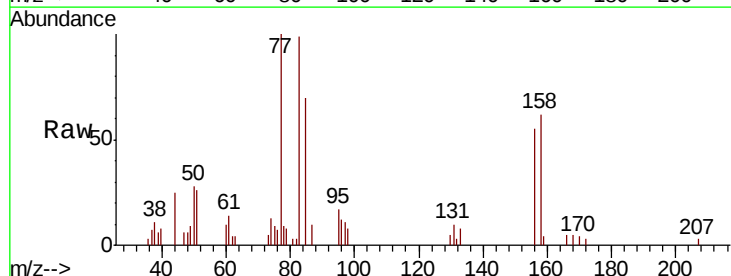
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

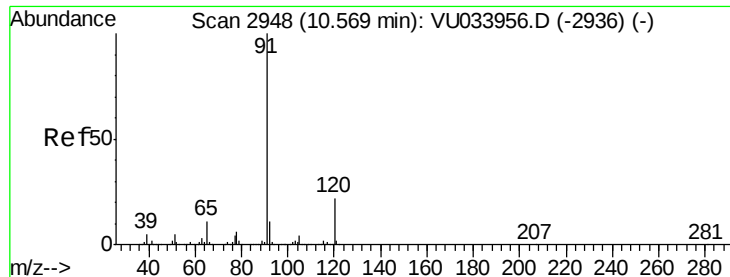
Tot Ion: 75 Resp: 7400
 Ion Ratio Lower Upper
 75 100
 77 20.2 20.1 60.3



#77
 Bromobenzene
 Concen: 0.961 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion: 156 Resp: 3862
 Ion Ratio Lower Upper
 156 100
 77 177.4 85.3 255.8
 158 103.5 48.9 146.7





#78

n-propylbenzene

Concen: 0.702 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

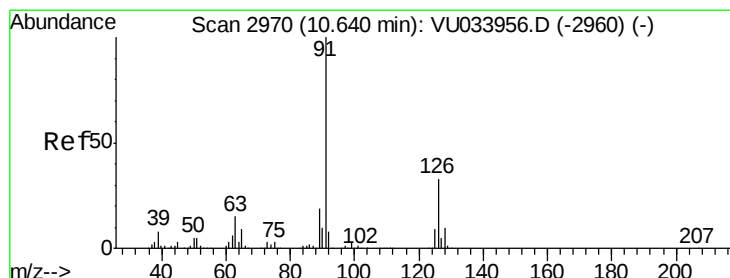
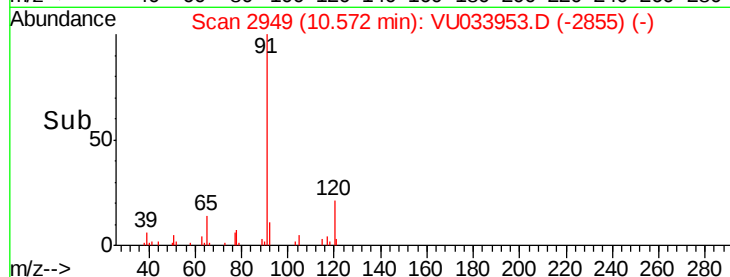
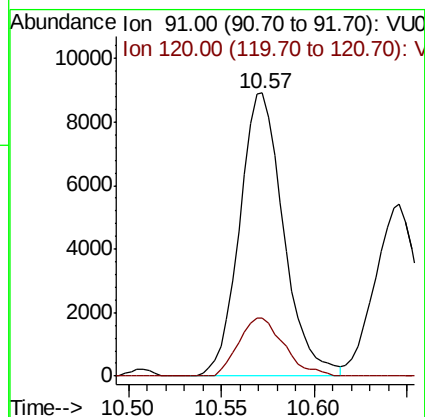
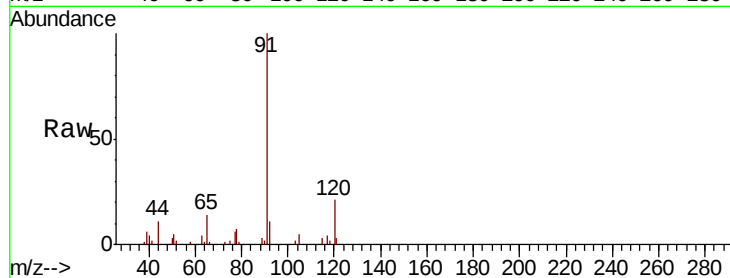
VSTDIC001

Tot Ion: 91 Resp: 14755

Ion Ratio Lower Upper

91 100

120 21.1 11.2 33.6



#79

2-Chlorotoluene

Concen: 0.782 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.01 min

Lab File: VU033953.D

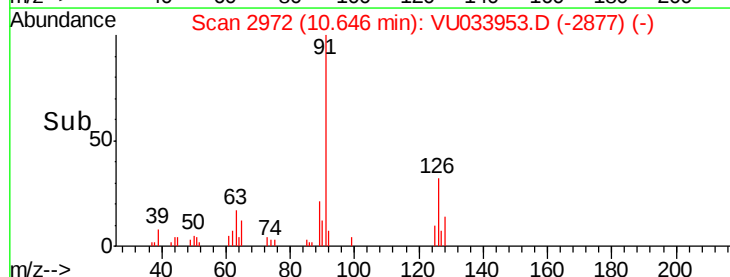
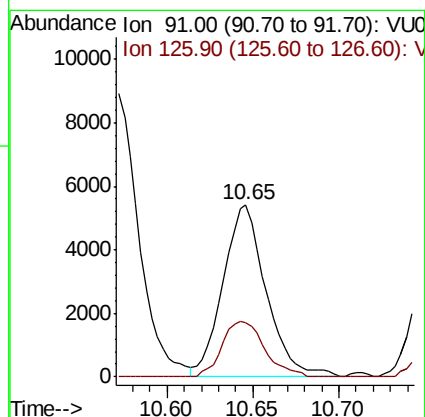
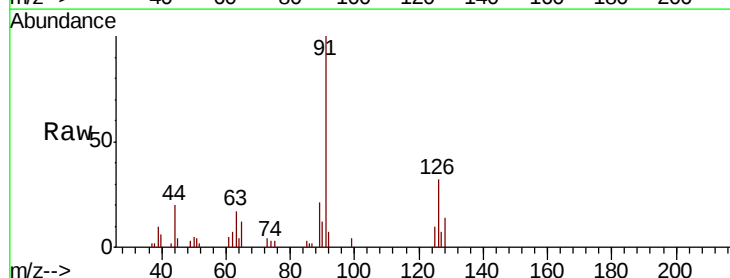
Acq: 26 Aug 2019 16:40

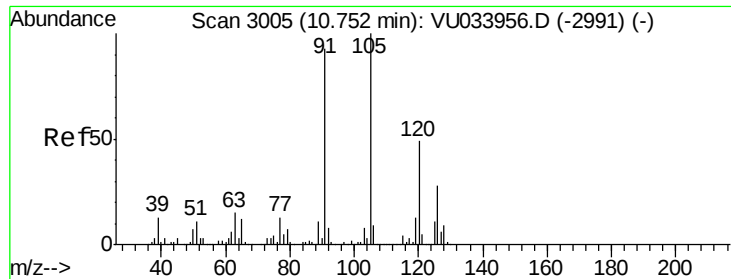
Tgt Ion: 91 Resp: 9476

Ion Ratio Lower Upper

91 100

126 32.0 16.8 50.3

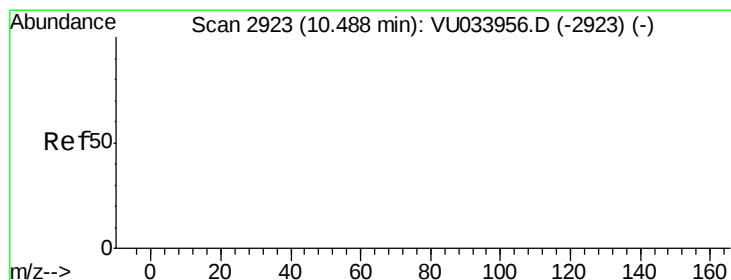
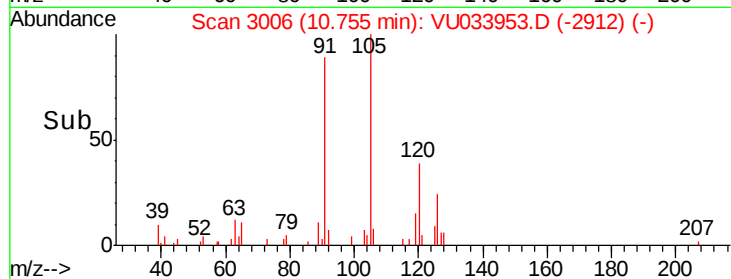
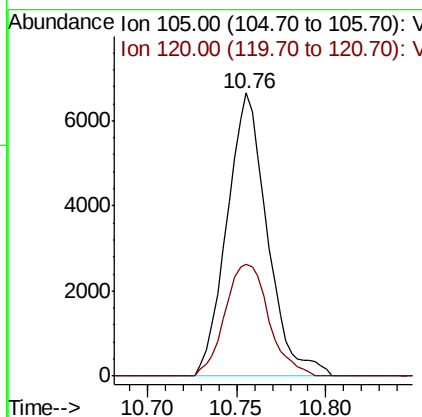
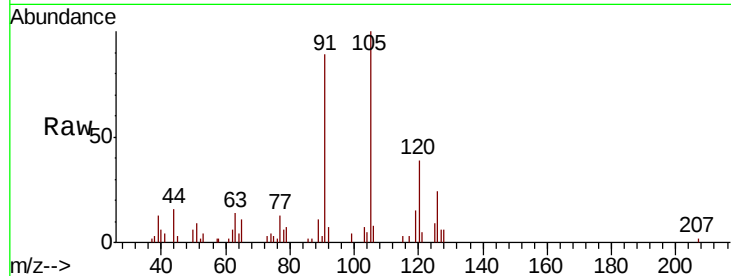




#80
 1,3,5-Trimethylbenzene
 Concen: 0.740 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

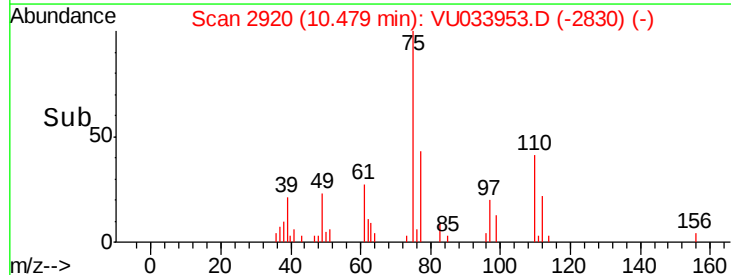
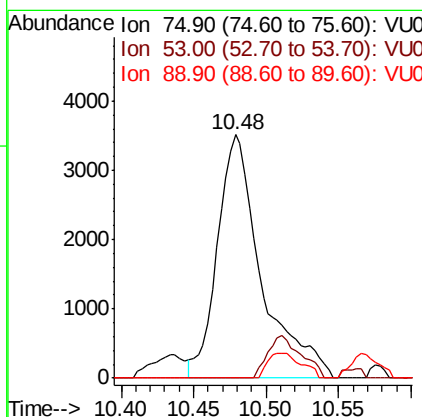
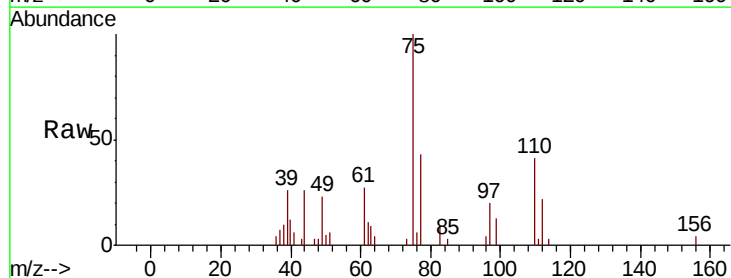
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

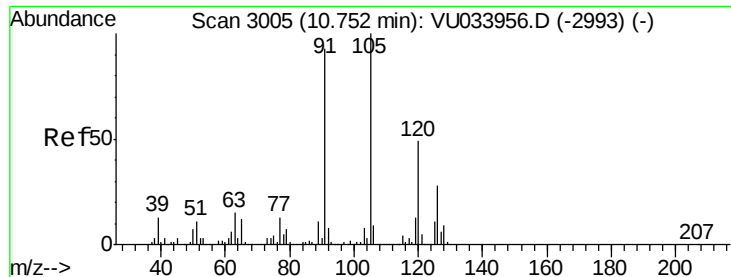
Tot Ion:105 Resp: 10446
 Ion Ratio Lower Upper
 105 100
 120 43.0 24.6 73.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.991 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.01 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion: 75 Resp: 7400
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.758 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

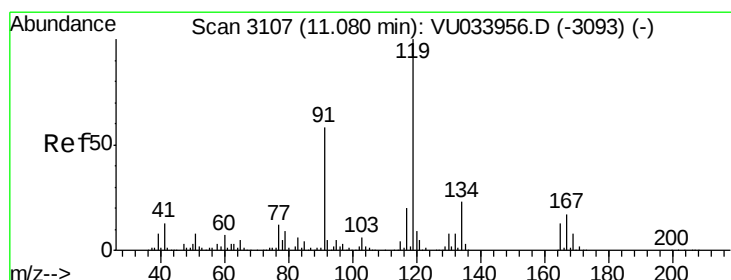
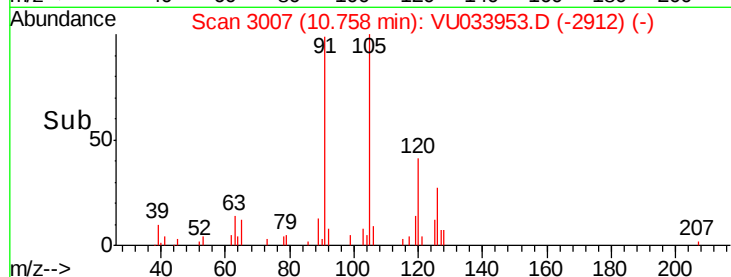
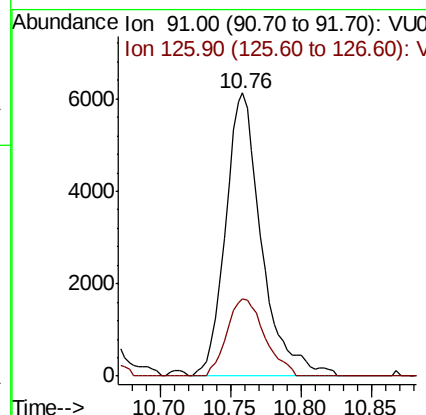
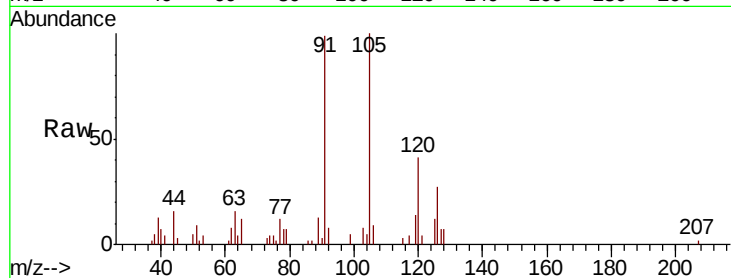
VSTDIC001

Tot Ion: 91 Resp: 10919

Ion Ratio Lower Upper

91 100

126 28.4 14.8 44.3



#83

tert-Butylbenzene

Concen: 0.701 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

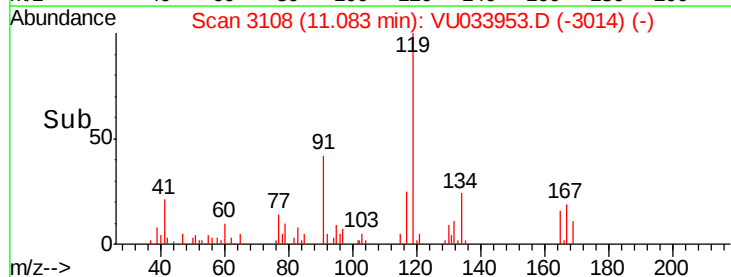
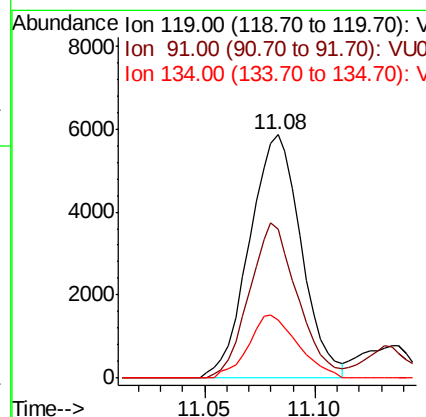
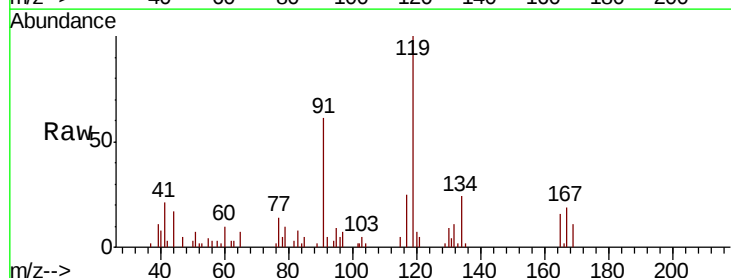
Tgt Ion: 119 Resp: 9522

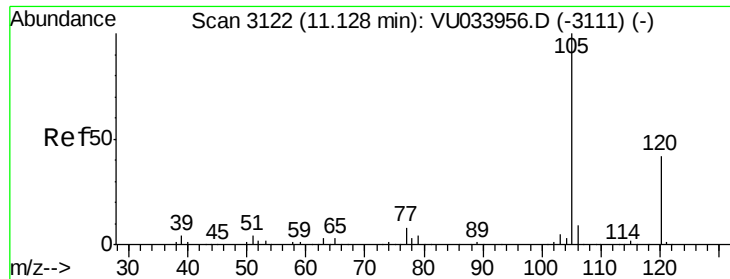
Ion Ratio Lower Upper

119 100

91 59.7 28.6 85.8

134 24.8 11.7 35.0

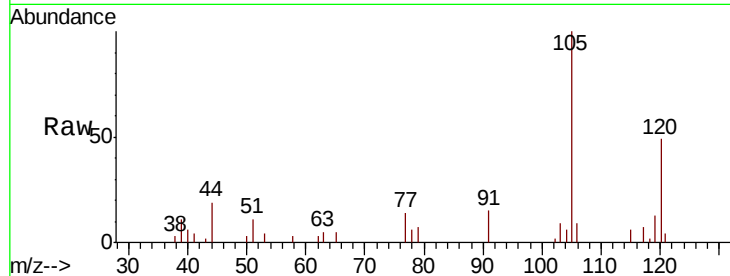




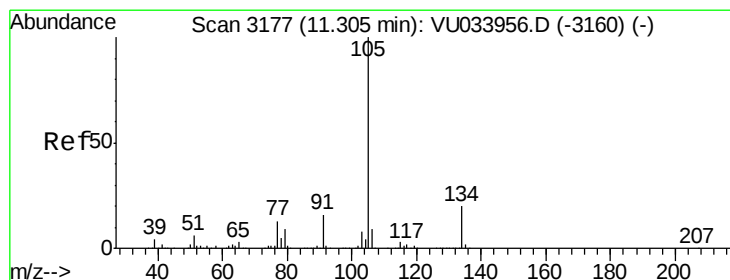
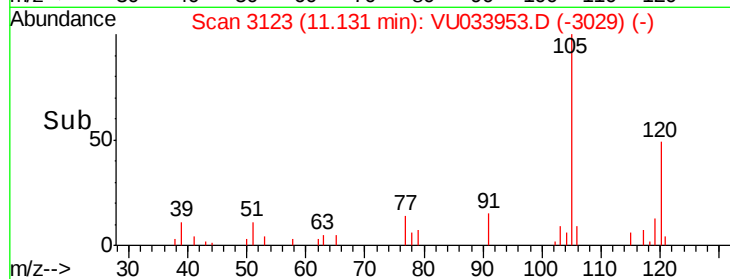
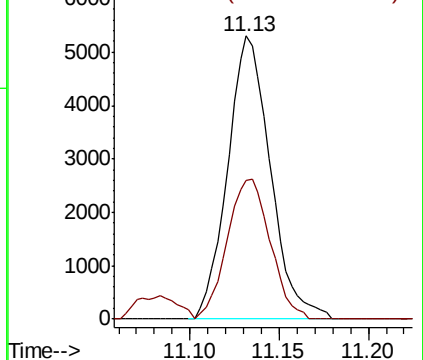
#84
 1,2,4-Trimethylbenzene
 Concen: 0.608 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 8828
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.0 69.0

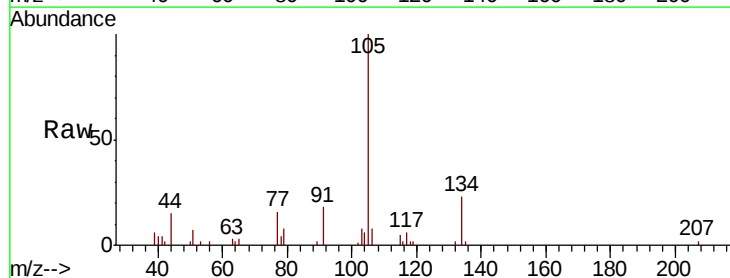


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

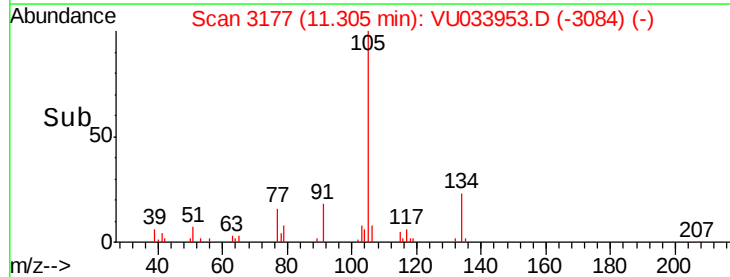
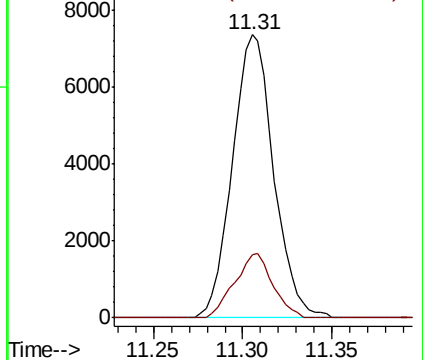


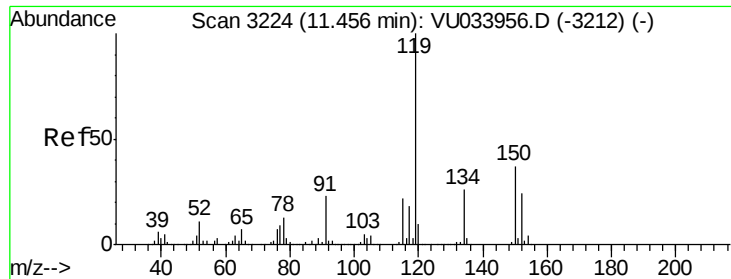
#85
 sec-Butylbenzene
 Concen: 0.684 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion:105 Resp: 11874
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

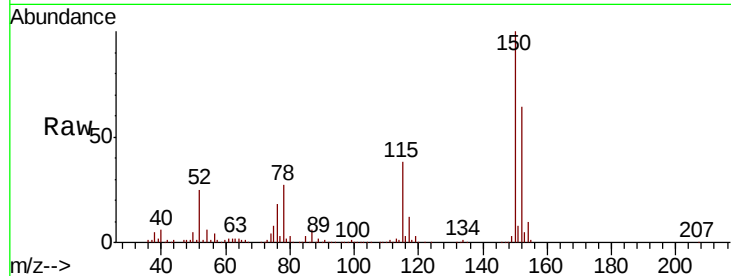




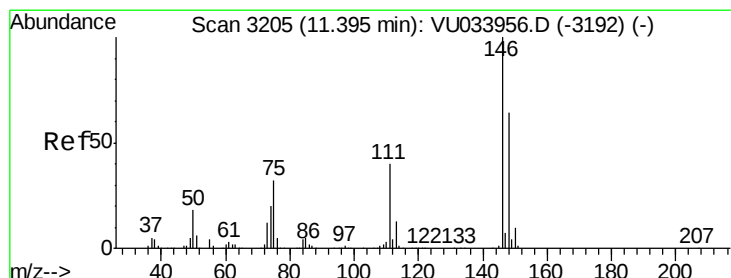
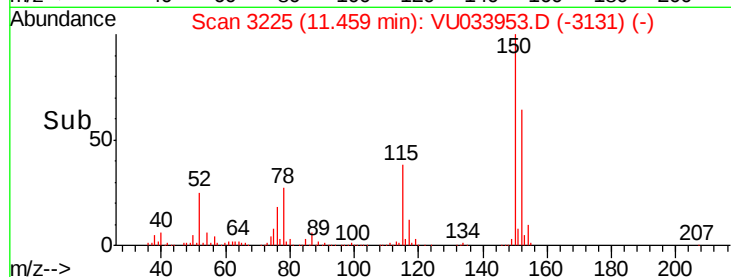
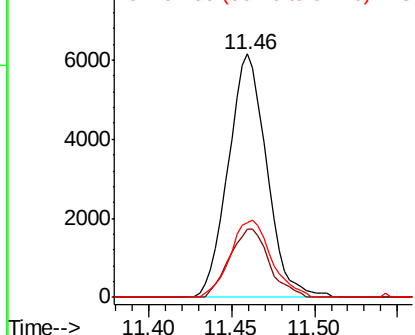
#86
p-Isopropyltoluene
Concen: 0.664 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:119 Resp: 9926
Ion Ratio Lower Upper
119 100
134 29.0 12.9 38.7
91 33.8 11.6 34.7

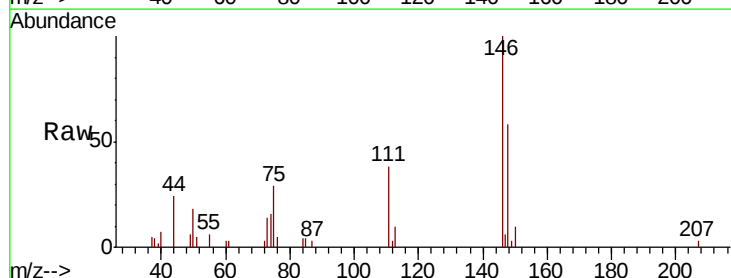


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

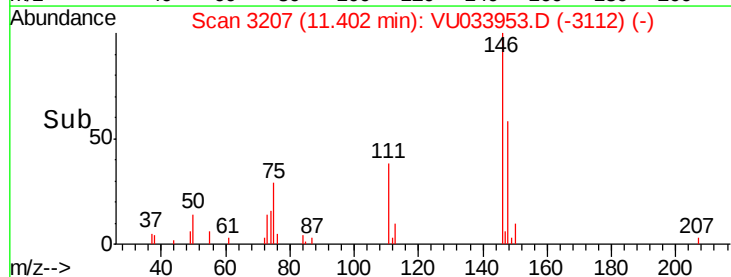
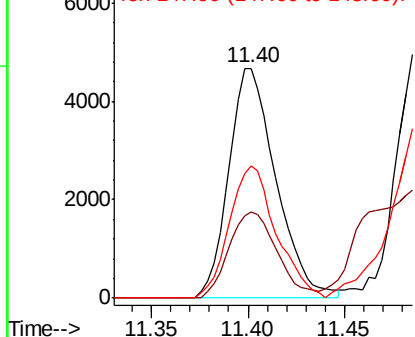


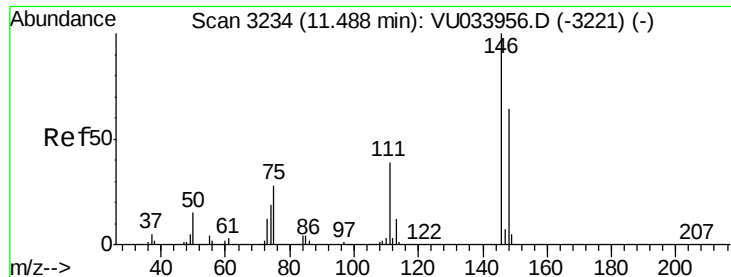
#87
1,3-Dichlorobenzene
Concen: 1.046 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion:146 Resp: 7939
Ion Ratio Lower Upper
146 100
111 38.2 20.1 60.2
148 56.8 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

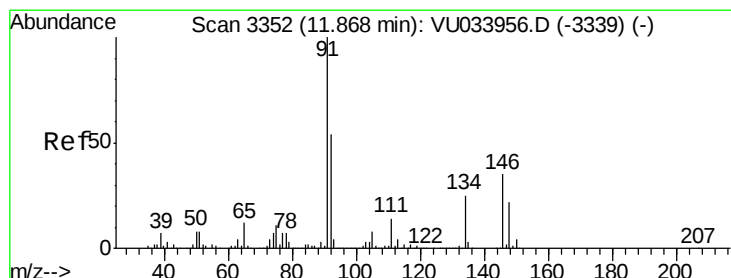
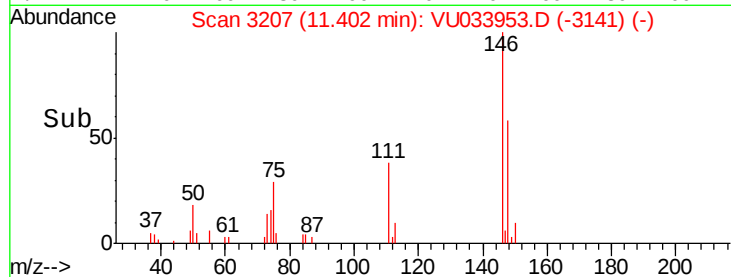
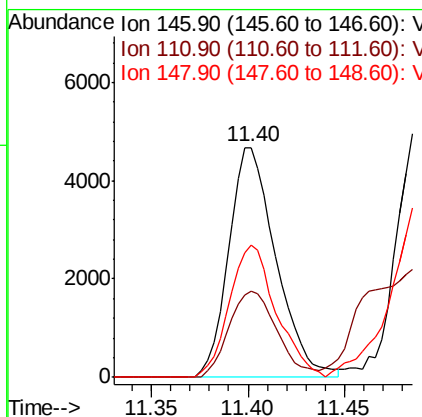
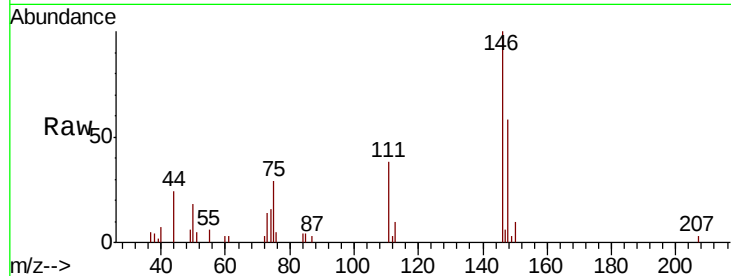




#88
 1,4-Dichlorobenzene
 Concen: 1.013 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.09 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

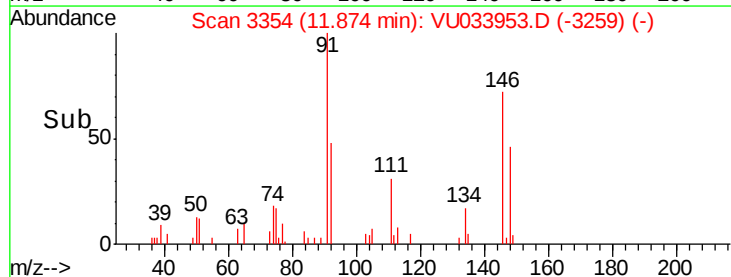
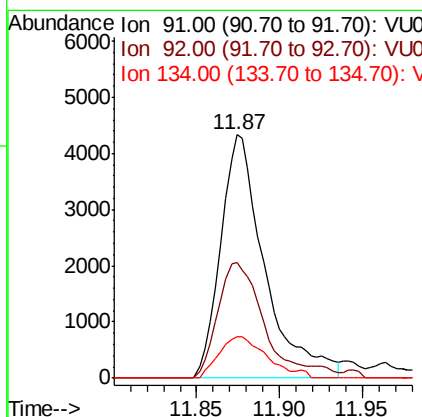
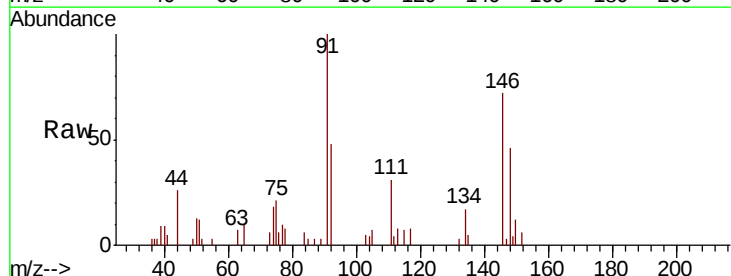
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

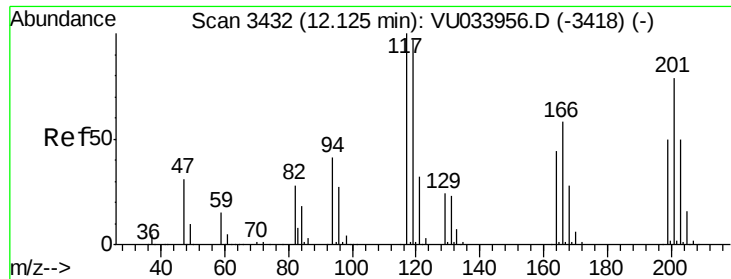
Tot Ion:146 Resp: 7939
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.8 59.4
 148 56.8 32.2 96.6



#89
 n-Butylbenzene
 Concen: 0.536 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.01 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion: 91 Resp: 8006
 Ion Ratio Lower Upper
 91 100
 92 48.5 26.9 80.6
 134 18.7 12.6 37.6





#90

Hexachloroethane

Concen: 1.128 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

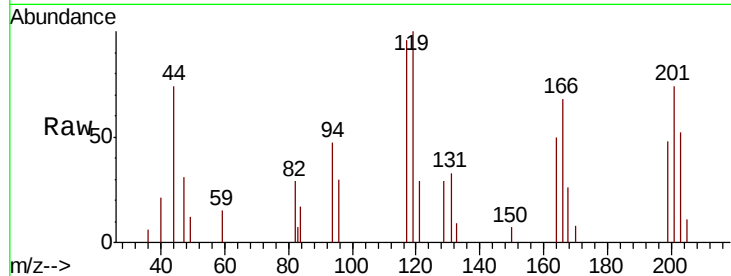
VSTDIC001

Tot Ion:117 Resp: 2613

Ion Ratio Lower Upper

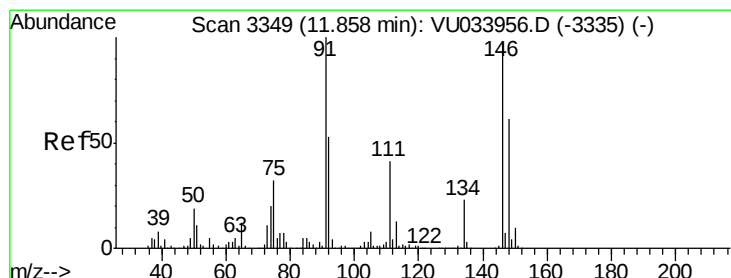
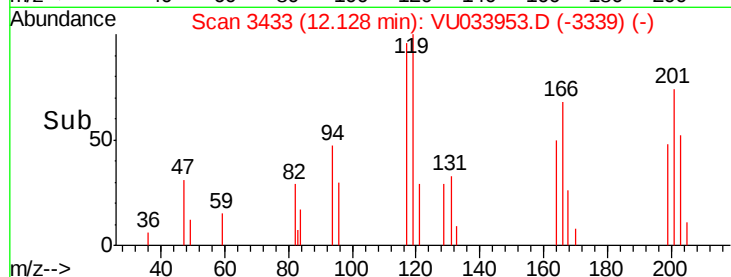
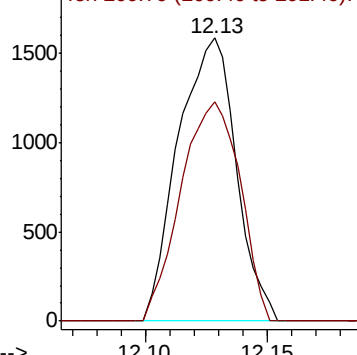
117 100

201 79.3 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.973 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

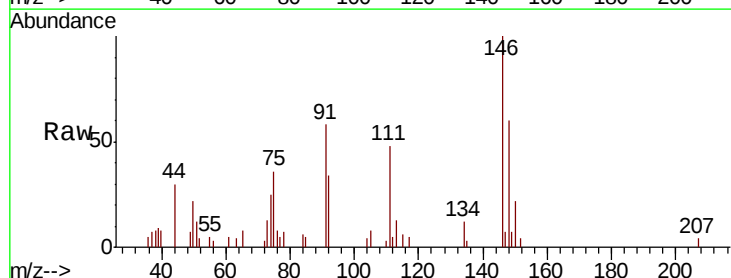
Tgt Ion:146 Resp: 7365

Ion Ratio Lower Upper

146 100

111 44.4 21.1 63.1

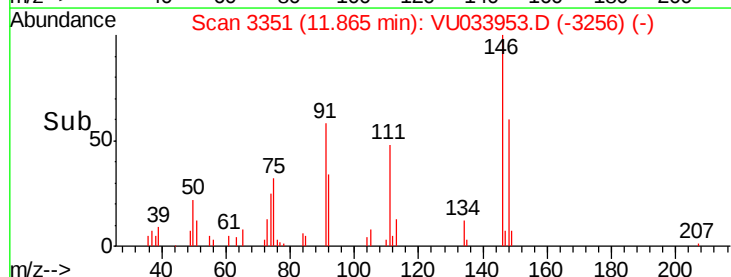
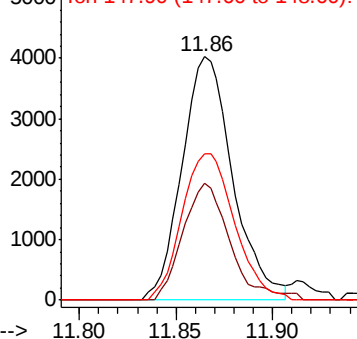
148 62.1 31.7 95.1

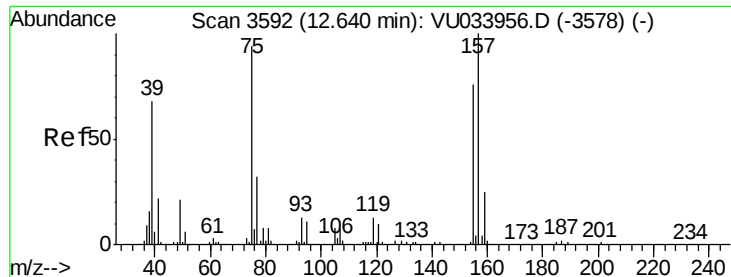


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.829 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.02 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

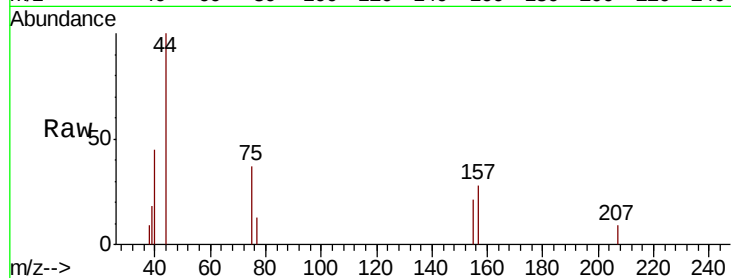
Tot Ion: 75 Resp: 1171

Ion Ratio Lower Upper

75 100

155 55.3 40.0 119.9

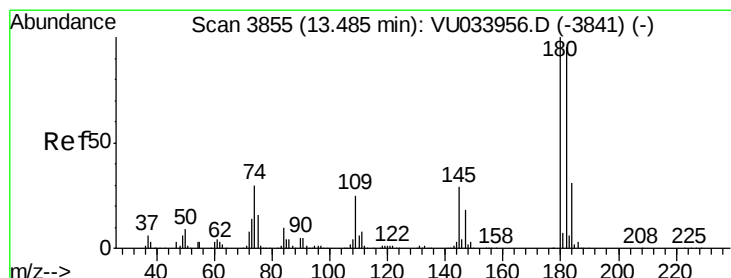
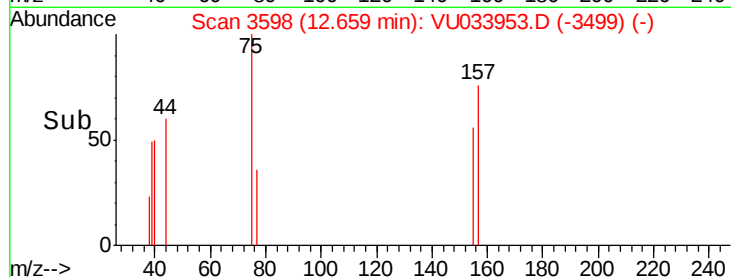
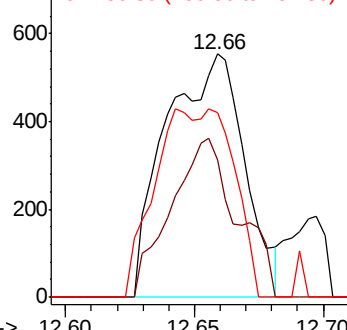
157 40.3 51.9 155.7#



Abundance Ion 74.90 (74.60 to 75.60): VU033953.D (-3499) (-)

Ion 154.80 (154.50 to 155.50): VU033953.D (-3499) (-)

Ion 156.80 (156.50 to 157.50): VU033953.D (-3499) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.290 ug/l

RT: 13.52 min Scan# 3866

Delta R.T. 0.04 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

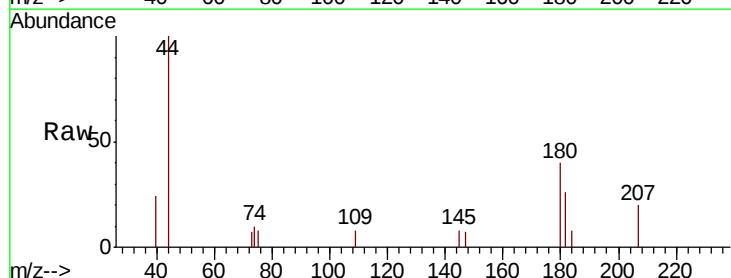
Tgt Ion: 180 Resp: 1571

Ion Ratio Lower Upper

180 100

182 62.9 47.4 142.3

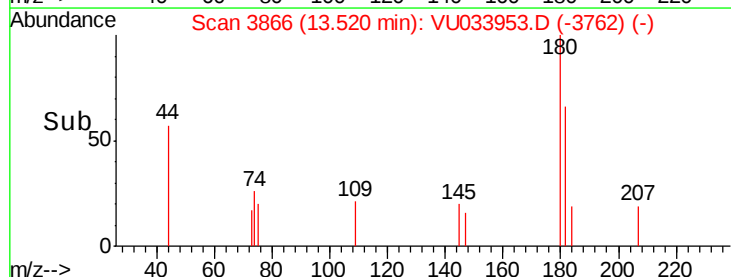
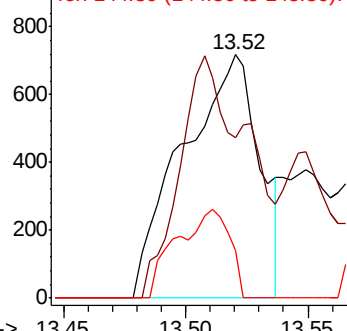
145 25.1 14.2 42.8

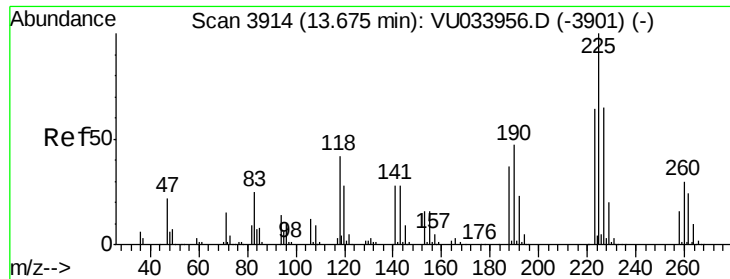


Abundance Ion 179.80 (179.50 to 180.50): VU033953.D (-3762) (-)

Ion 181.80 (181.50 to 182.50): VU033953.D (-3762) (-)

Ion 144.80 (144.50 to 145.50): VU033953.D (-3762) (-)





#94

Hexachlorobutadiene

Concen: 1.061 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

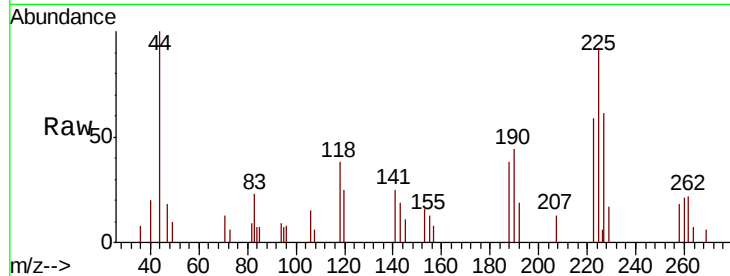
Tot Ion:225 Resp: 2689

Ion Ratio Lower Upper

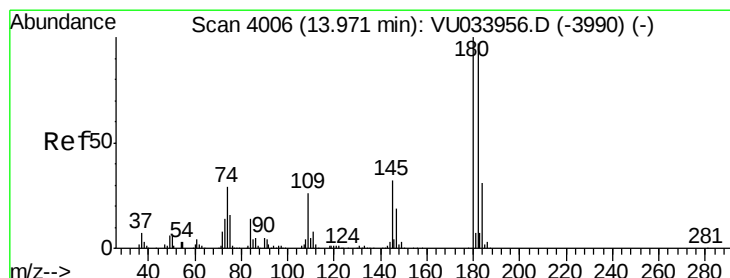
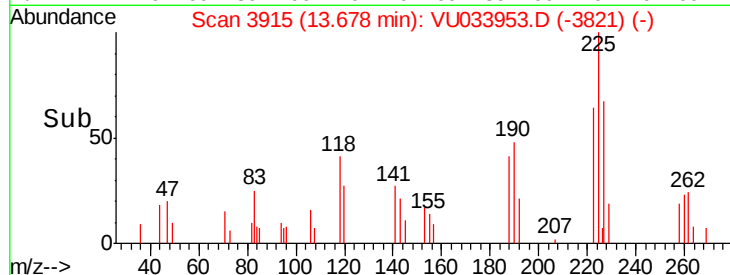
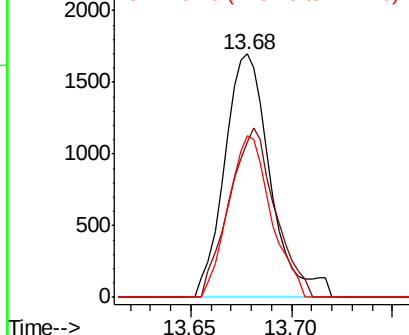
225 100

223 69.5 31.4 94.0

227 62.3 32.3 96.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.482 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.01 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

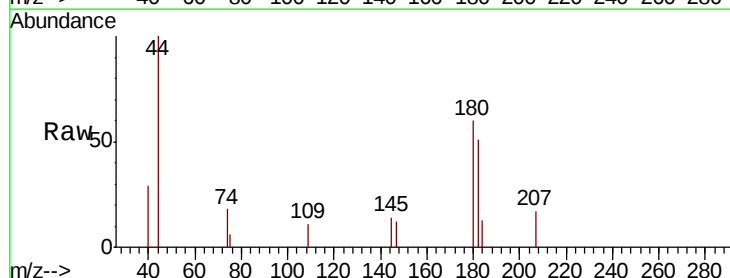
Tgt Ion:180 Resp: 2614

Ion Ratio Lower Upper

180 100

182 66.7 48.6 145.8

145 10.2 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

