

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

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:16:38 PM

Quant Time: Aug 27 06:59:45 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						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds					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
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
12) 1,1-Dichloroethene	2.27	96	4228	1.214 ug/l	99
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
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	6719m	0.915 ug/l	
38) Carbon Tetrachloride	5.11	117	6614	1.379 ug/l	95
39) Methylcyclohexane	6.39	83	5744	0.819 ug/l	89
40) Benzene	5.37	78	17631	1.036 ug/l	96
41) Methacrylonitrile	4.54	41	2606m	0.651 ug/l	
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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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) Styrene	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	6099m	1.074	ug/l	
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
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	11.49	146	9113m	1.162	ug/l	
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	2726m	0.504	ug/l	
94) Hexachlorobutadiene	13.68	225	2689	1.061	ug/l	94
95) Naphthalene	13.75	128	5906m	0.333	ug/l	
96) 1,2,3-Trichlorobenzene	13.98	180	3012m	0.555	ug/l	

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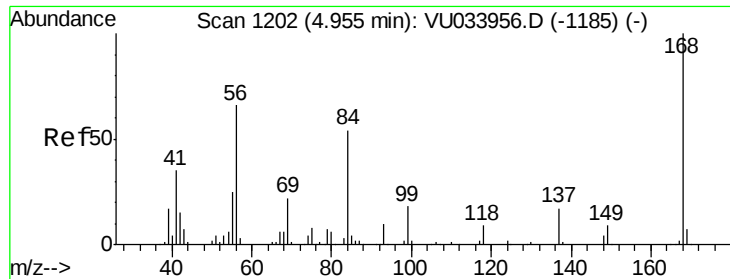
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

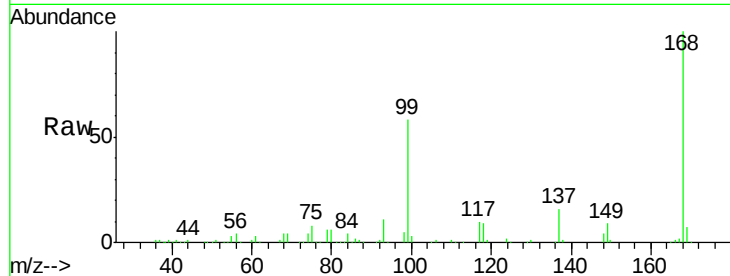
99 58.0 45.5 68.3

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

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

4.96

150000

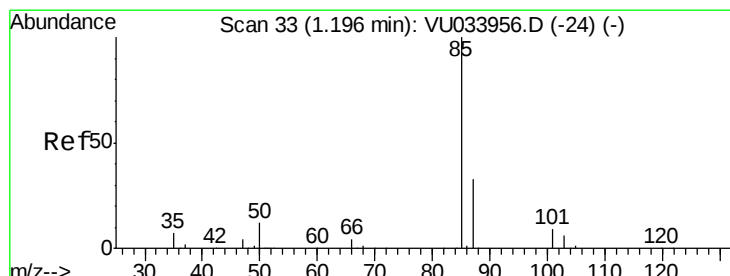
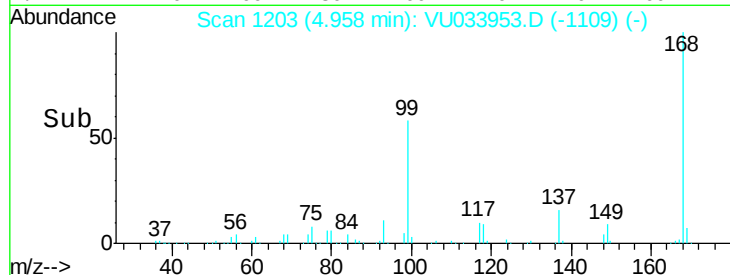
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.885 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033953.D

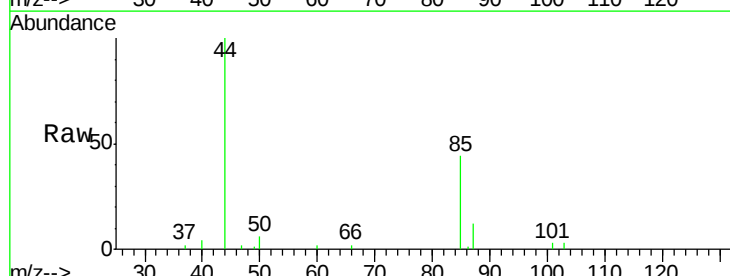
Acq: 26 Aug 2019 16:40

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) (-)

1.20

4000

3000

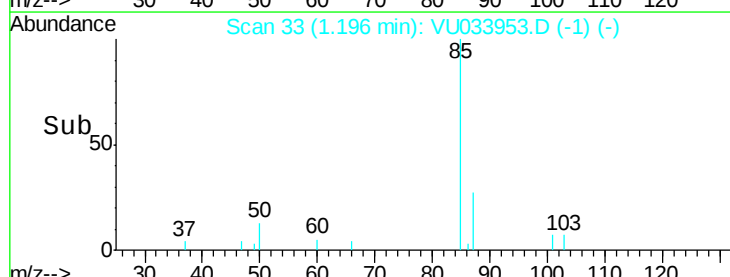
2000

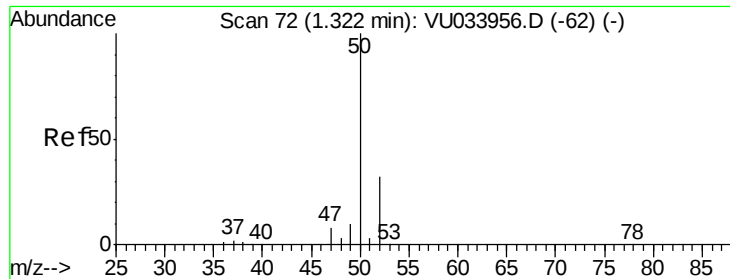
1000

0

1.16 1.18 1.20 1.22 1.24

Time-->





#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

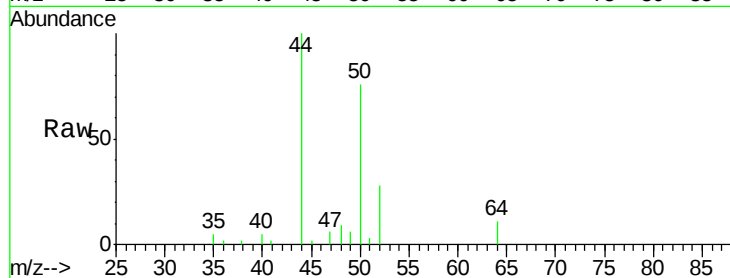
52 37.2 25.9 38.9

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

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

1.32

6000

5000

4000

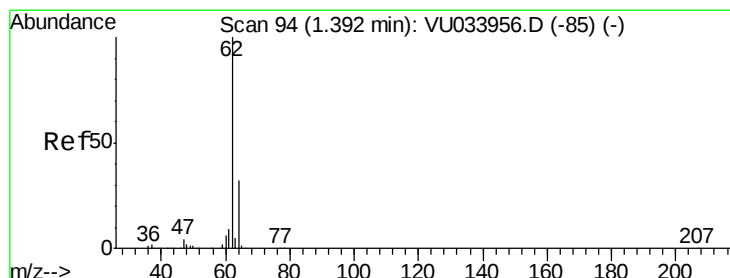
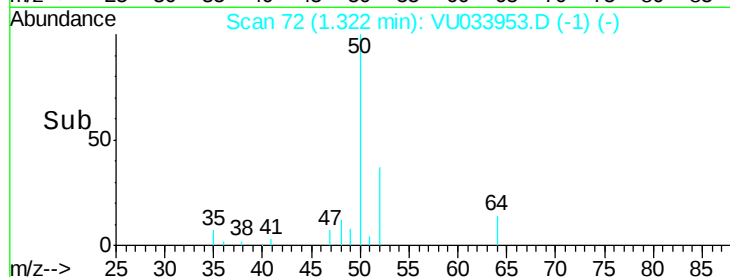
3000

2000

1000

0

Time-->



#4

Vinyl Chloride

Concen: 1.039 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033953.D

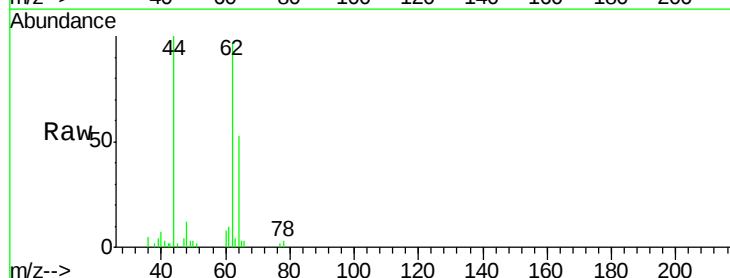
Acq: 26 Aug 2019 16:40

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) (-)

1.40

6000

5000

4000

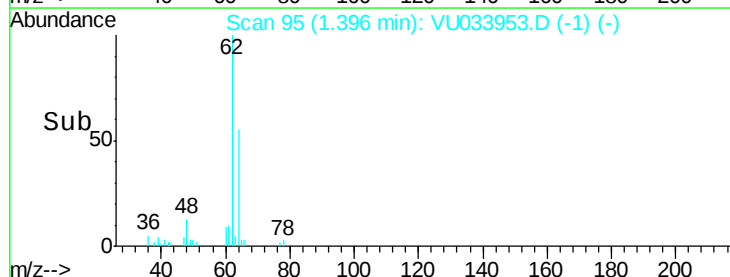
3000

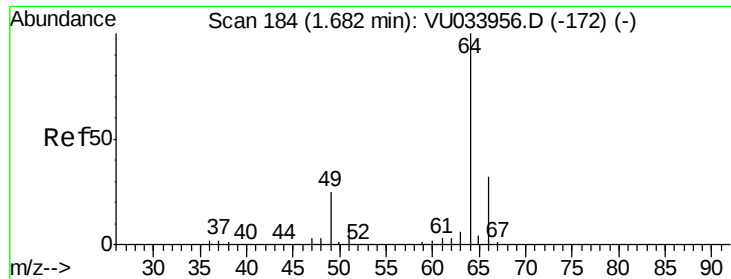
2000

1000

0

Time-->





#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

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 4024

Ion Ratio Lower Upper

64 100

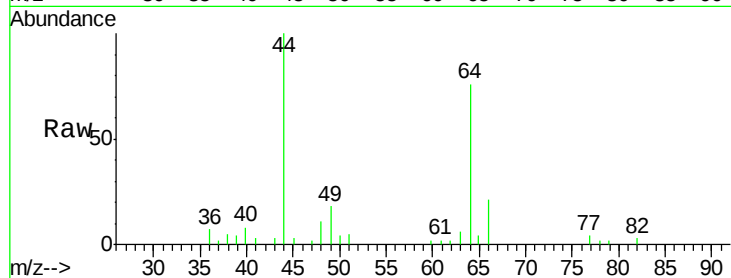
66 35.2 25.1 37.7

Manual Integrations

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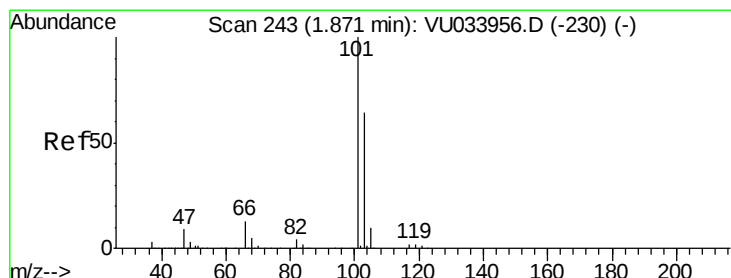
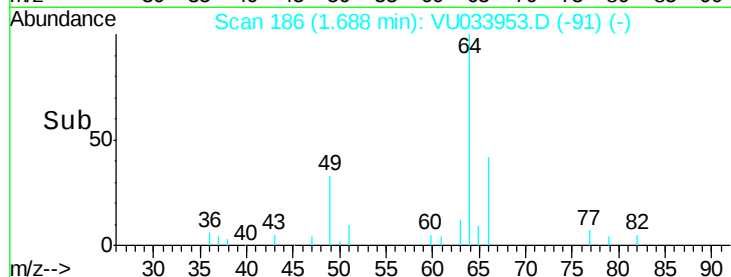


Abundance Ion 63.90 (63.60 to 64.60): VU033953.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU033953.D (-186) (-)

1.69

Time-->



#7

Trichlorofluoromethane

Concen: 1.219 ug/l

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033953.D

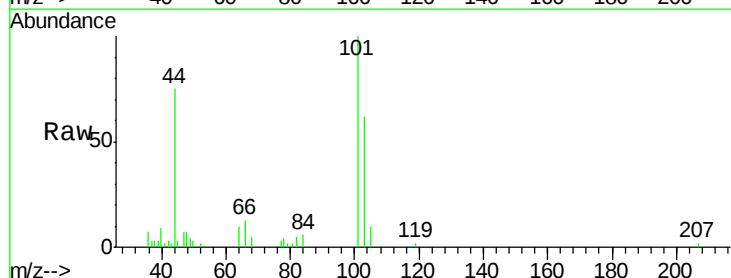
Acq: 26 Aug 2019 16:40

Tgt Ion: 101 Resp: 7161

Ion Ratio Lower Upper

101 100

103 62.1 51.5 77.3

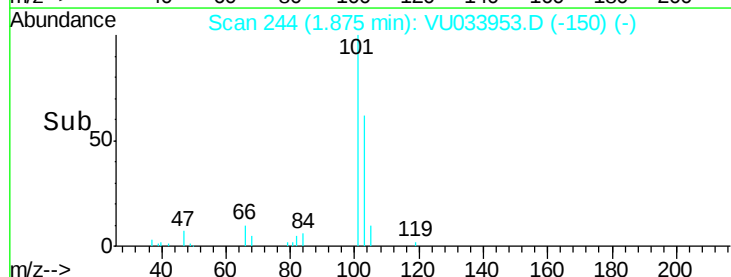


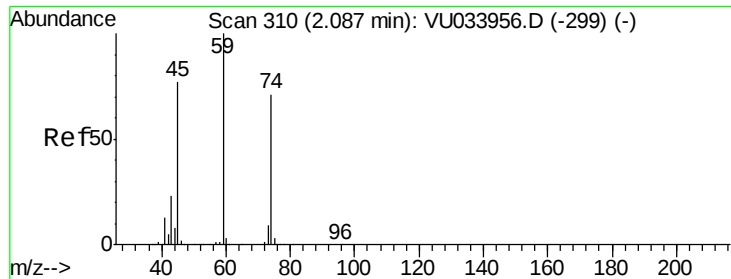
Abundance Ion 100.90 (100.60 to 101.60): VU033953.D (-244) (-)

Ion 102.80 (102.50 to 103.50): VU033953.D (-244) (-)

1.87

Time-->





#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

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 3156

Ion Ratio Lower Upper

74 100

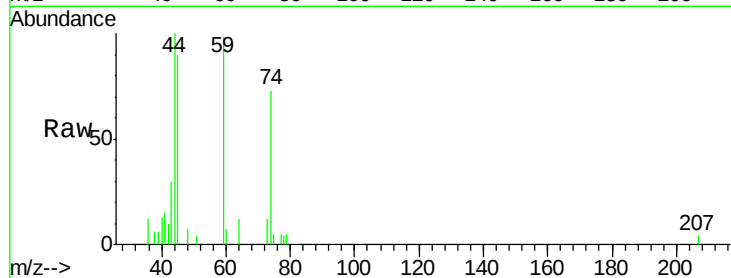
45 130.8 53.9 161.7

Manual Integrations

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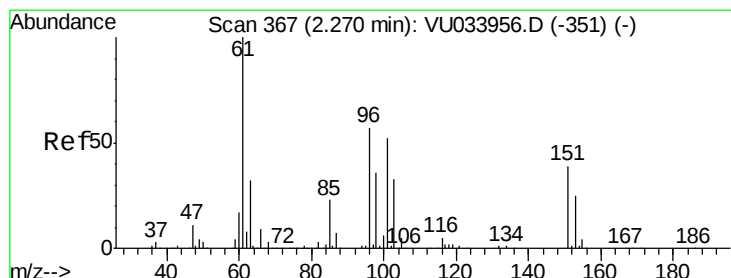
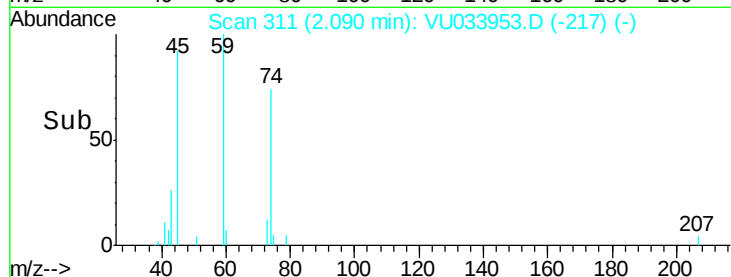
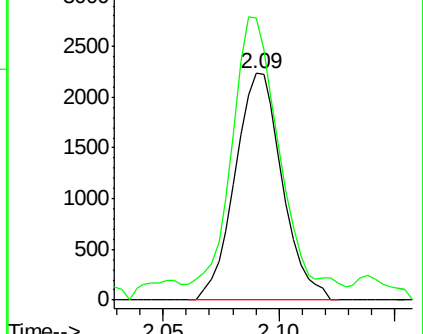
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Abundance Ion 74.00 (73.70 to 74.70): VU033953.D (-217) (-)

Ion 45.00 (44.70 to 45.70): VU033953.D (-217) (-)



#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

Acq: 26 Aug 2019 16:40

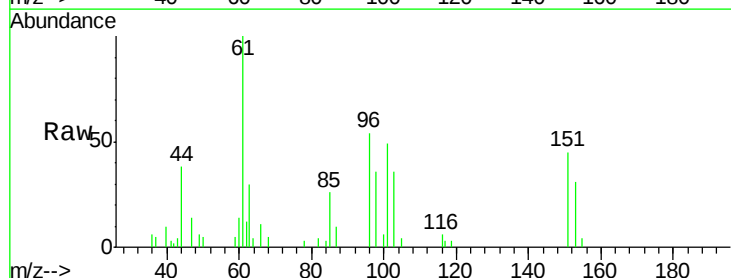
Tgt Ion: 101 Resp: 3818

Ion Ratio Lower Upper

101 100

85 53.0 35.0 52.6#

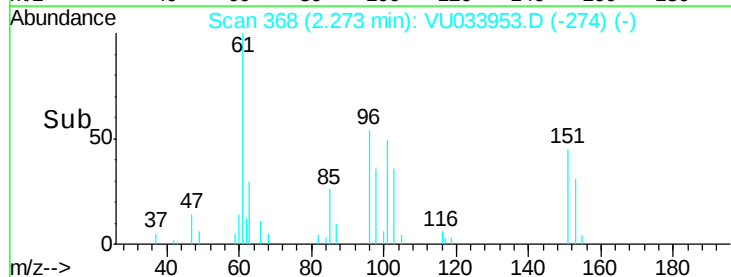
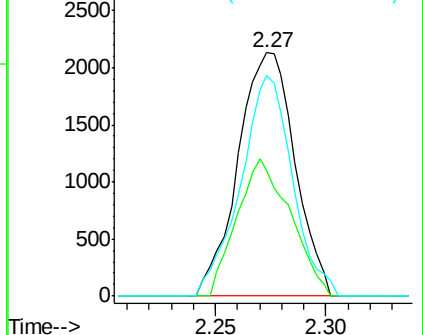
151 82.7 57.9 86.9

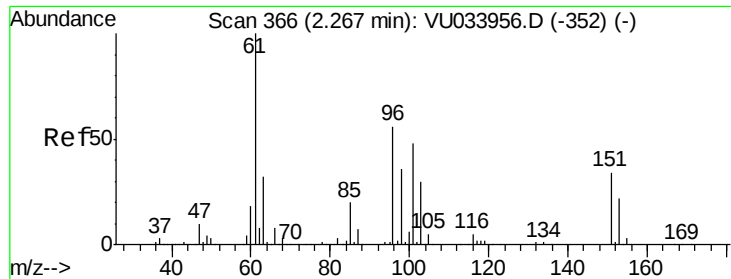


Abundance Ion 100.90 (100.60 to 101.60): VU033953.D (-274) (-)

Ion 84.90 (84.60 to 85.60): VU033953.D (-274) (-)

Ion 150.80 (150.50 to 151.50): VU033953.D (-274) (-)





#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

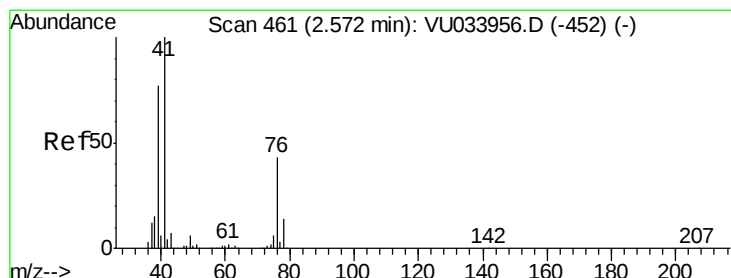
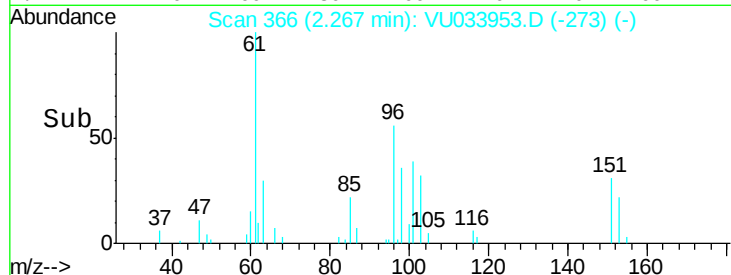
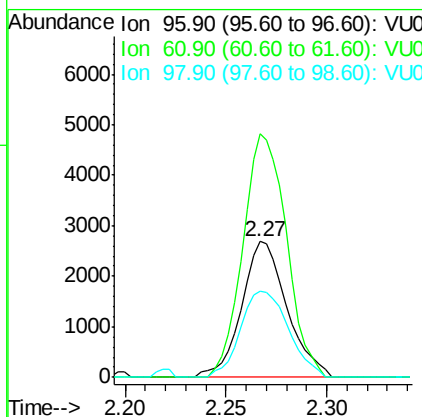
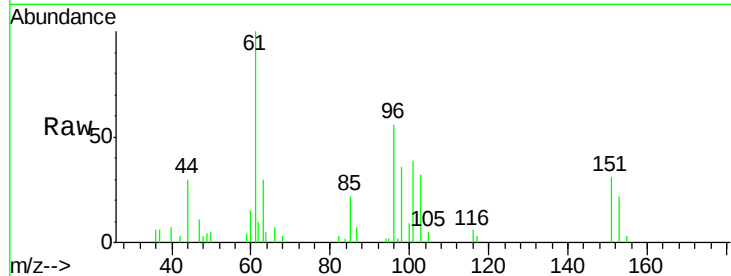
ClientSampleId :

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

Manual Integrations
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#14

Allyl chloride

Concen: 0.921 ug/l

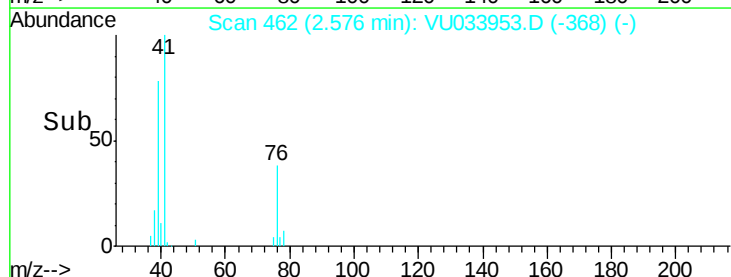
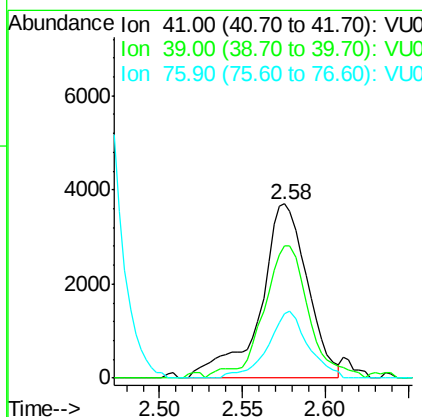
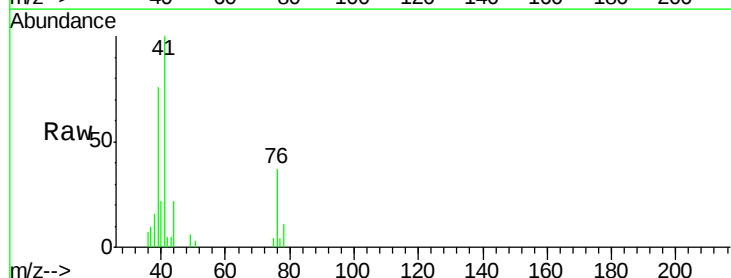
RT: 2.58 min Scan# 462

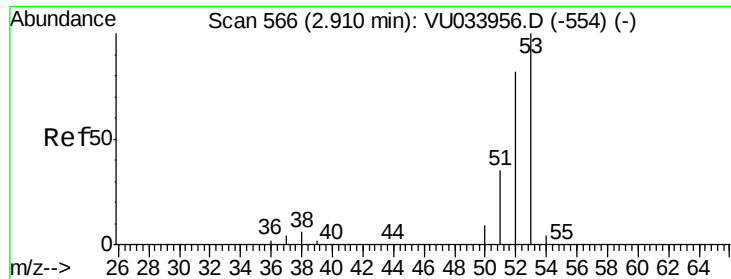
Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

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





#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

Instrument :

MSVOA_U

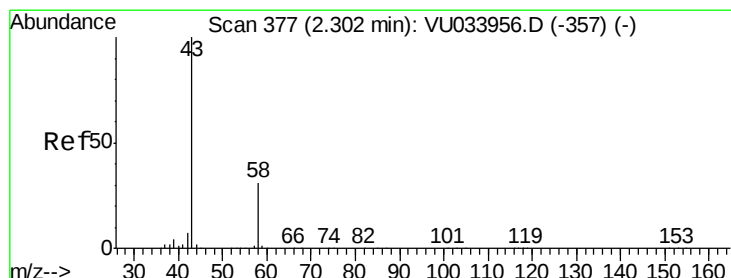
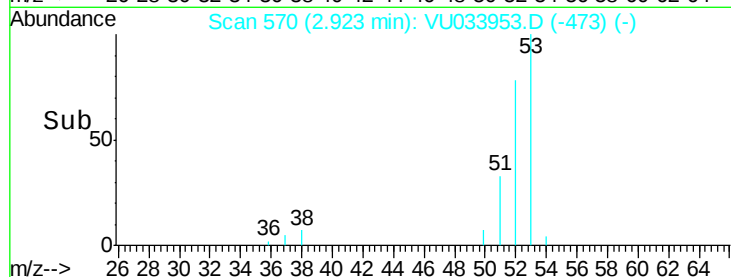
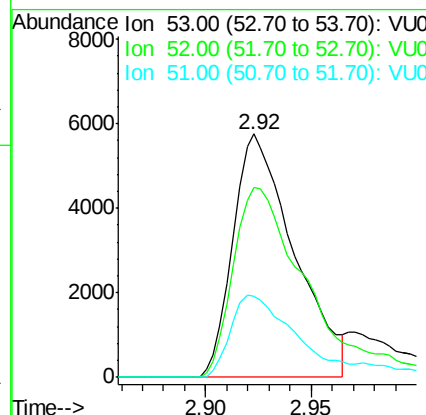
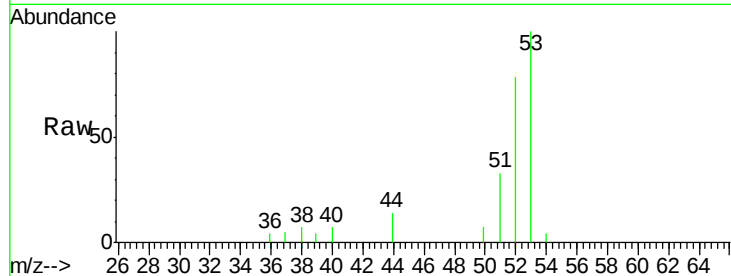
ClientSampleId :

VSTDIC001

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

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#16

Acetone

Concen: 5.938 ug/l

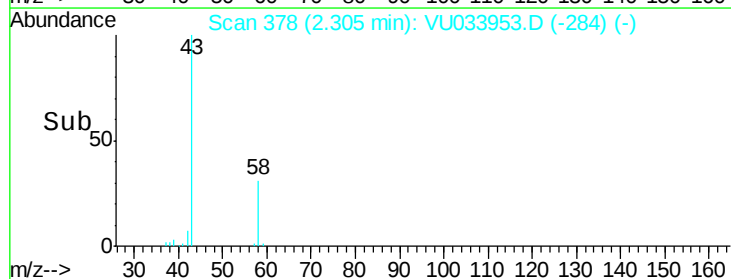
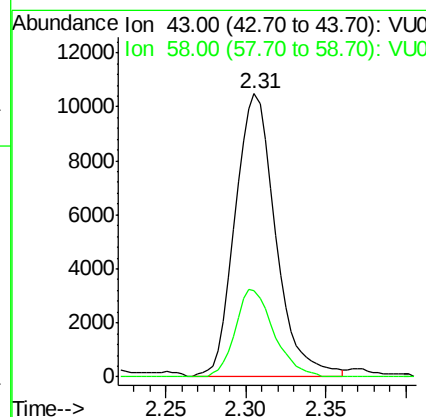
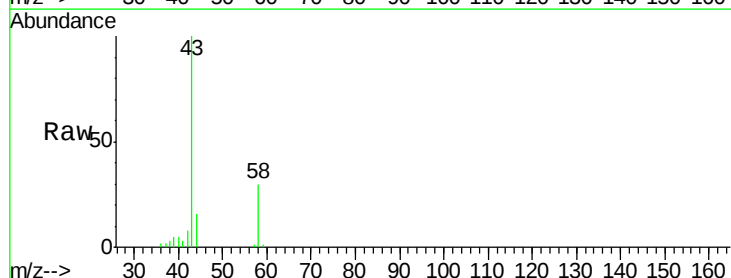
RT: 2.31 min Scan# 378

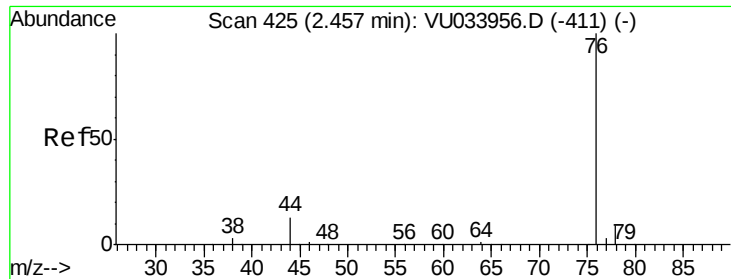
Delta R.T. 0.00 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Tgt Ion:	43	Resp:	18144
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.5	36.7





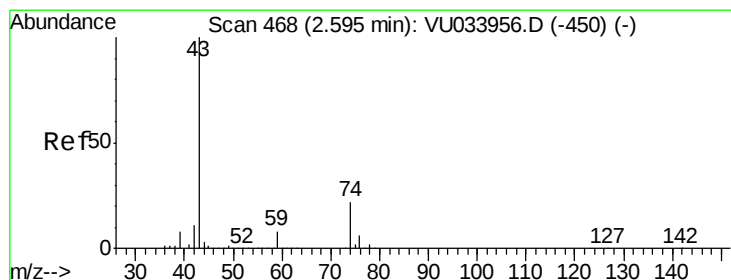
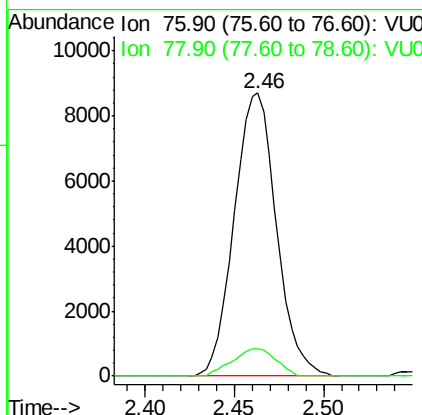
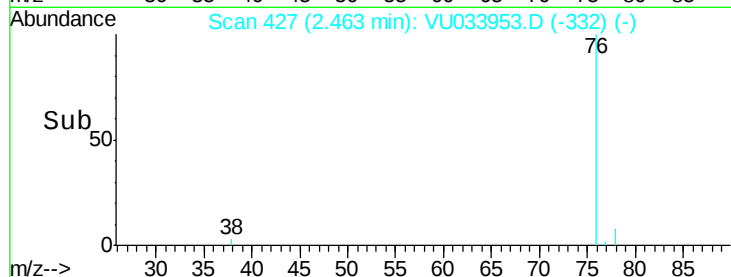
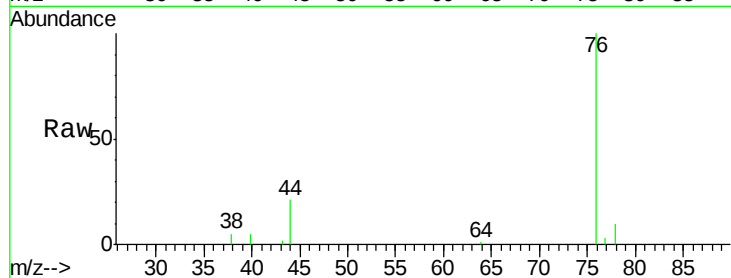
#17
Carbon Disulfide
Concen: 1.156 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 14379
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.4

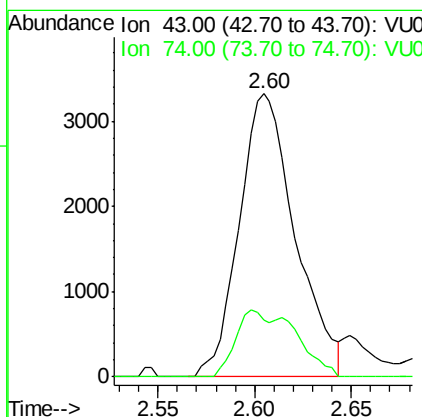
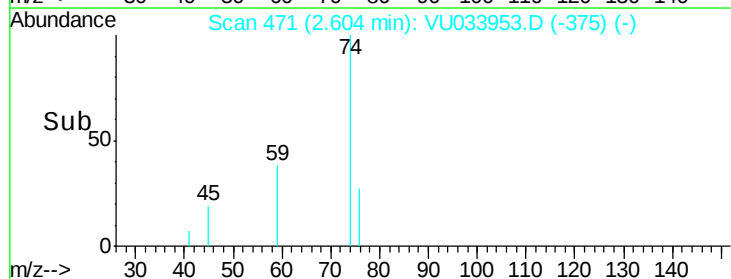
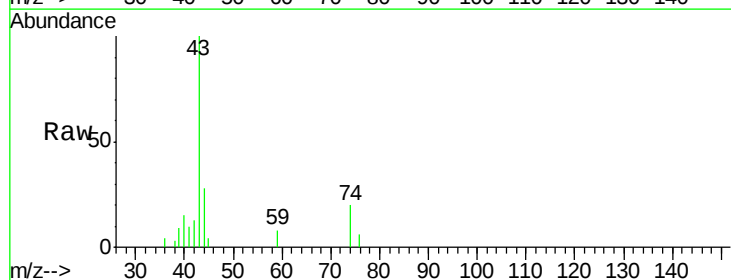
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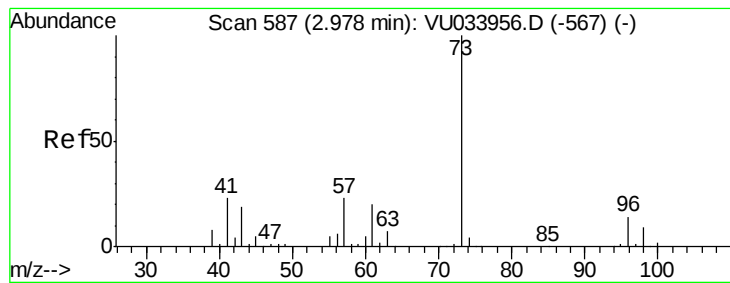
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#18
Methyl Acetate
Concen: 0.867 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

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





#19

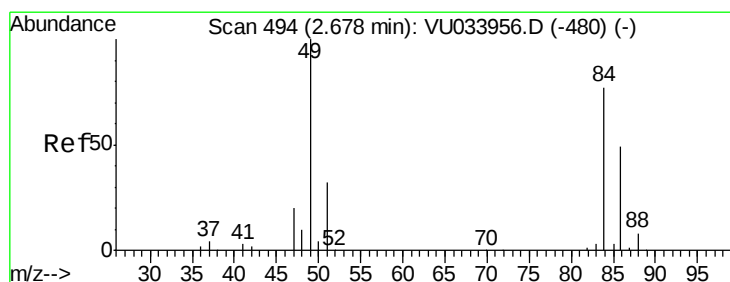
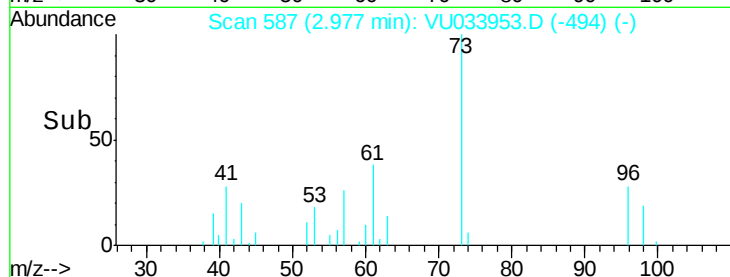
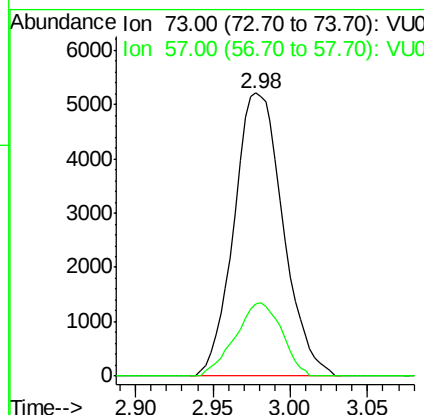
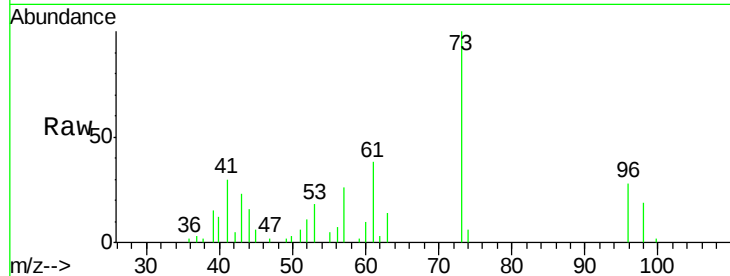
Methyl tert-butyl Ether
 Concen: 0.884 ug/l
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.3	27.5

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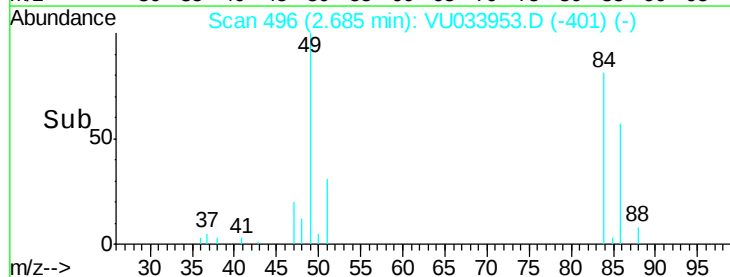
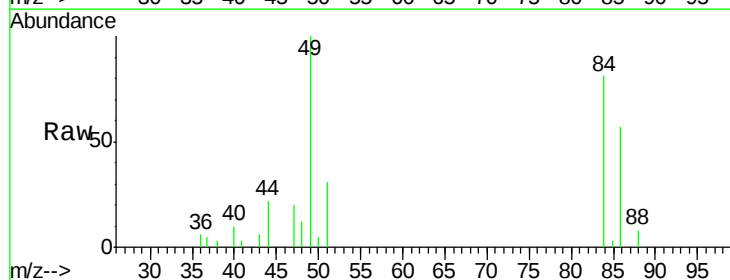
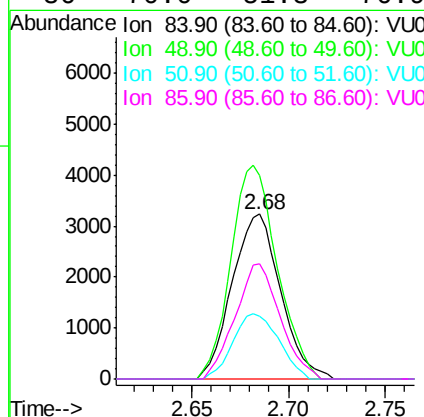
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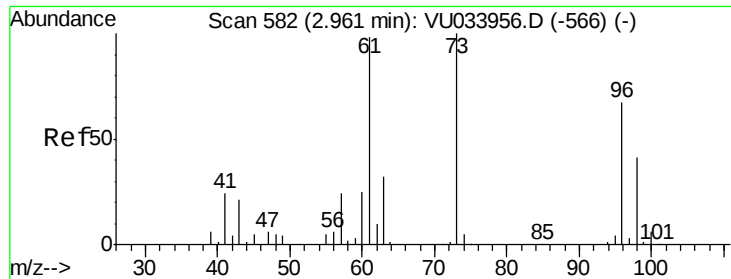


#20

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

Tgt 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





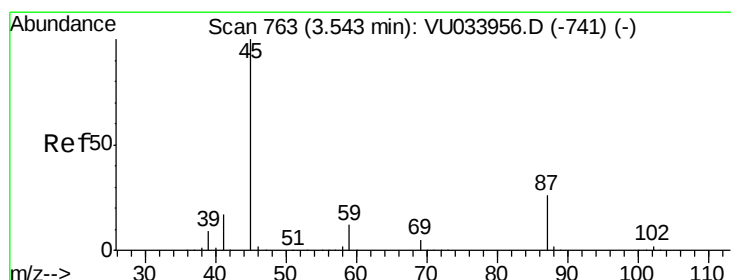
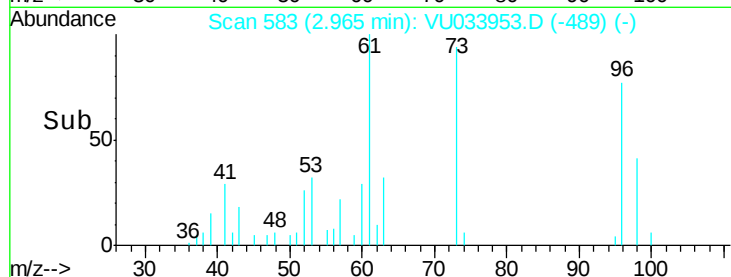
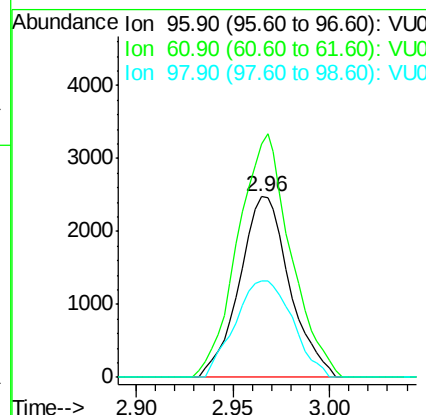
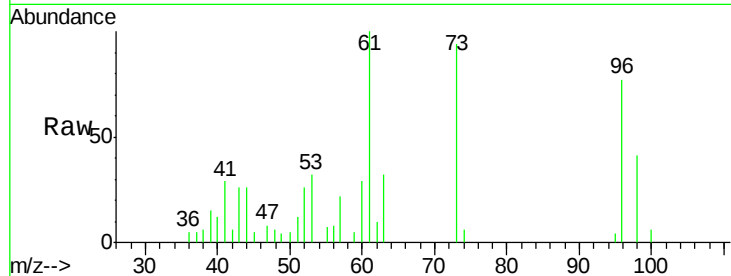
#21
trans-1,2-Dichloroethene
Concen: 1.137 ug/l
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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

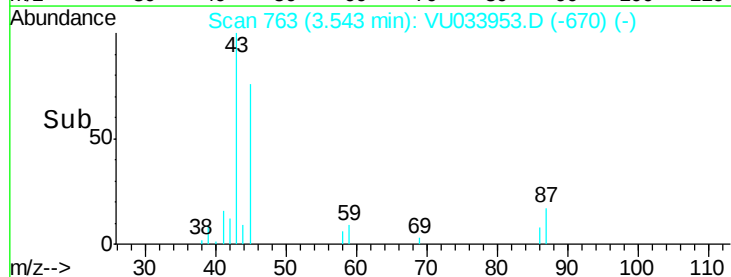
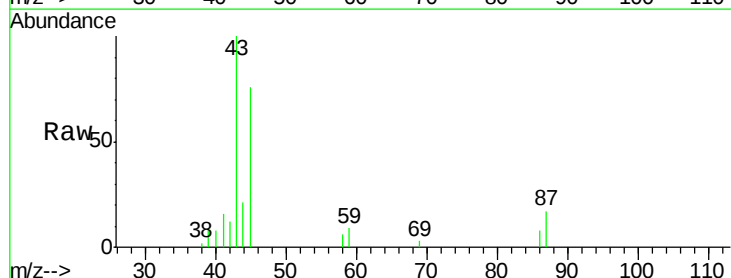
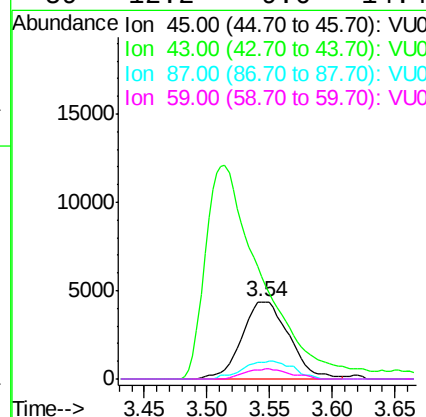
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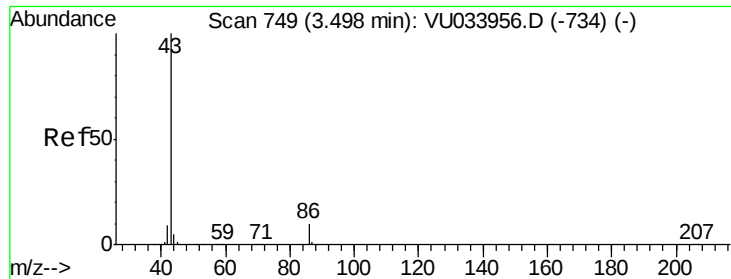
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#22
Diisopropyl ether
Concen: 0.745 ug/l
RT: 3.54 min Scan# 763
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt 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





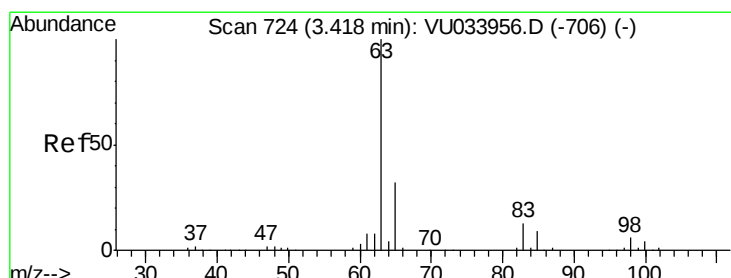
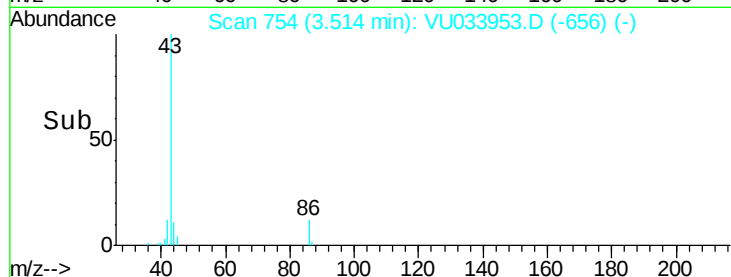
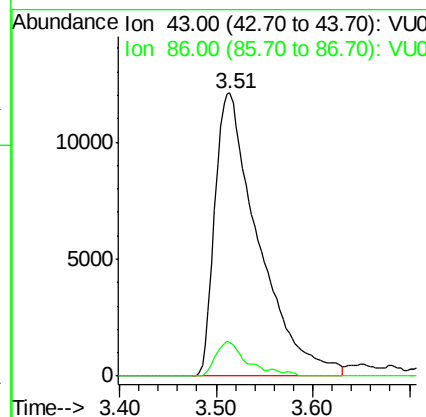
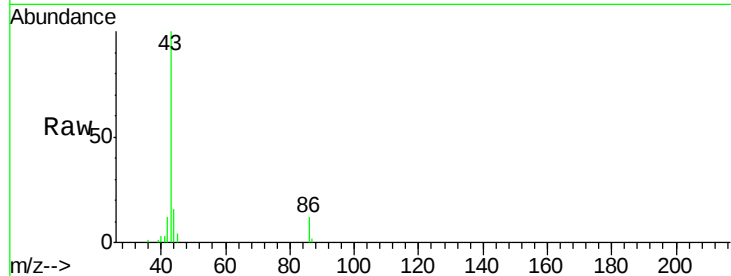
#23
 Vinyl Acetate
 Concen: 2.947 ug/l
 RT: 3.51 min Scan# 754
 Delta R.T. 0.02 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.1	8.2	12.4

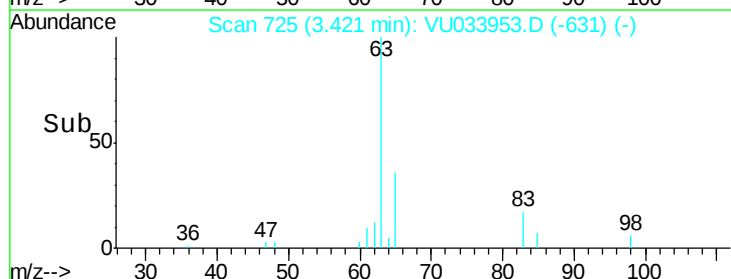
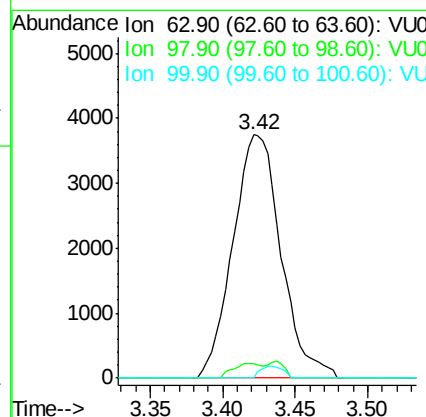
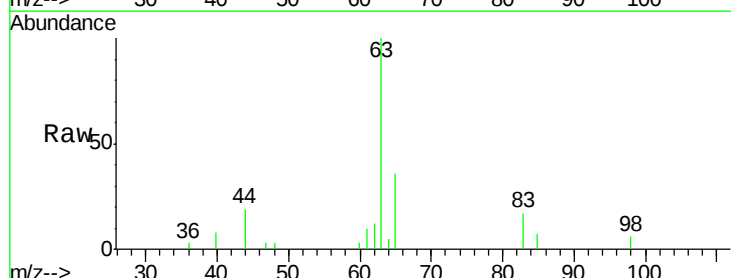
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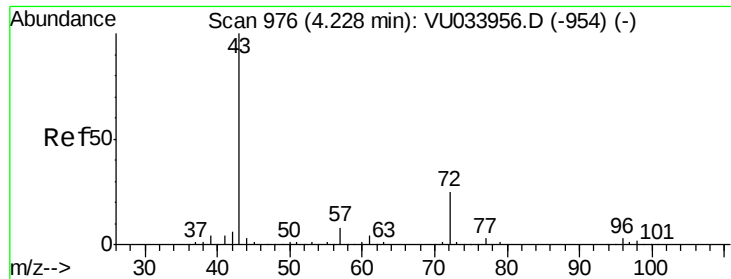
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#24
 1,1-Dichloroethane
 Concen: 1.045 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.2	9.6
100	0.0	2.1	6.5#





#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

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 16936

Ion Ratio Lower Upper

43 100

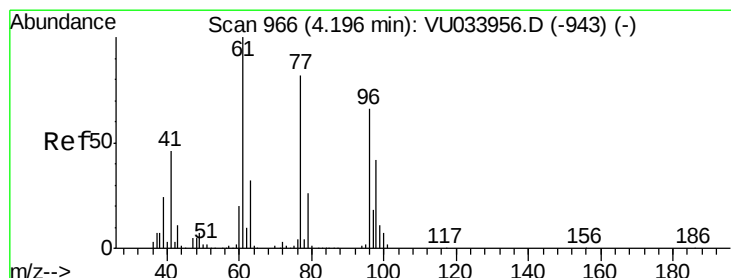
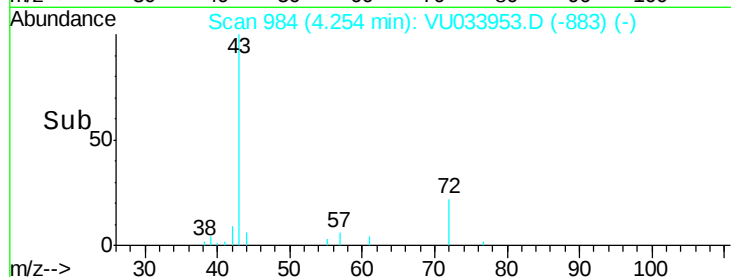
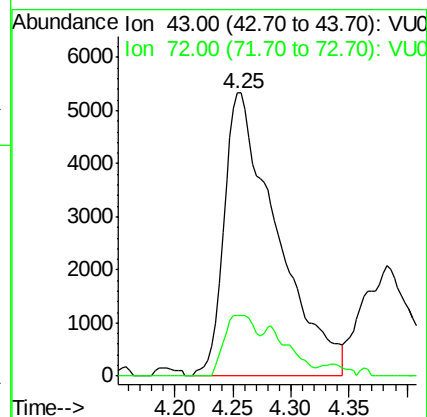
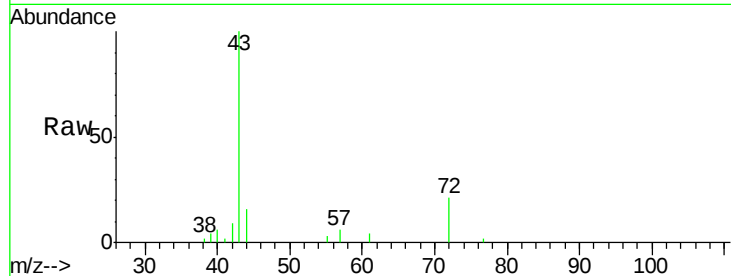
72 21.4 20.3 30.5

Manual Integrations

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#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

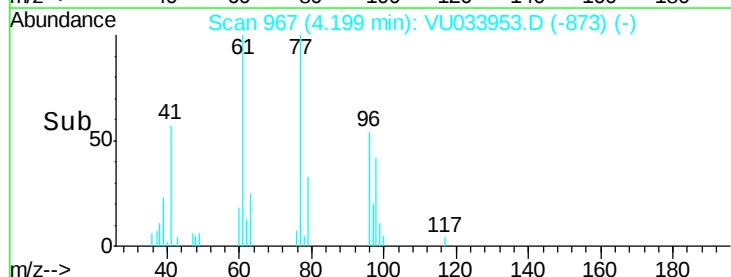
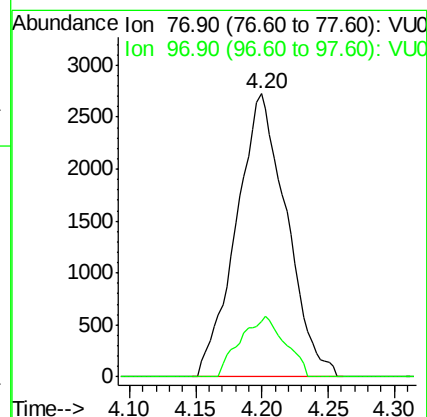
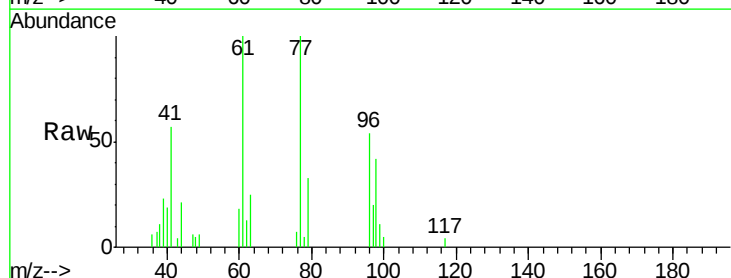
Acq: 26 Aug 2019 16:40

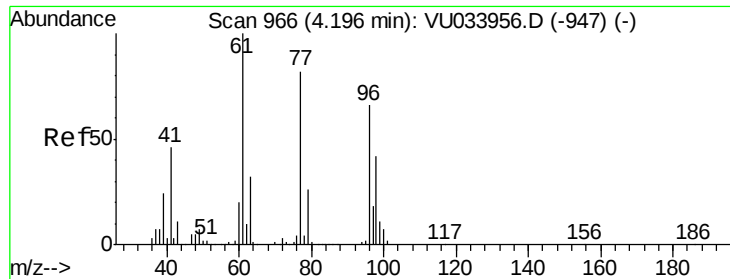
Tgt Ion: 77 Resp: 7181

Ion Ratio Lower Upper

77 100

97 19.0 11.1 33.3





#27

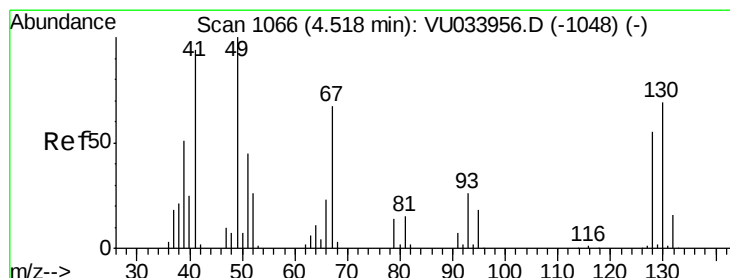
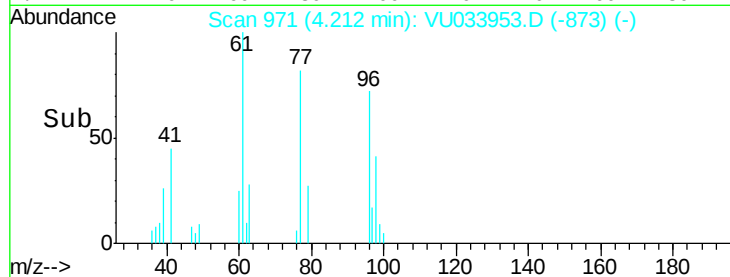
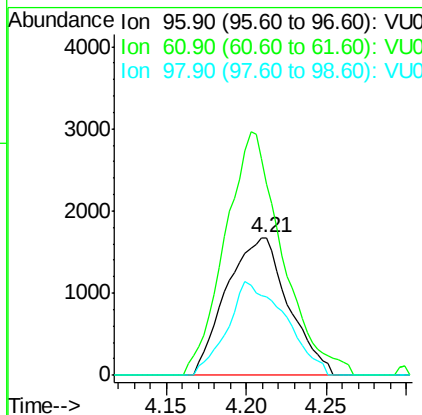
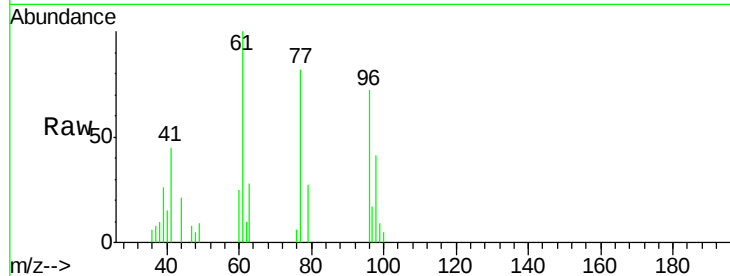
cis-1,2-Dichloroethene
Concen: 1.012 ug/l
RT: 4.21 min Scan# 971
Delta R.T. 0.02 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.0	0.0	312.2
98	63.4	0.0	129.4

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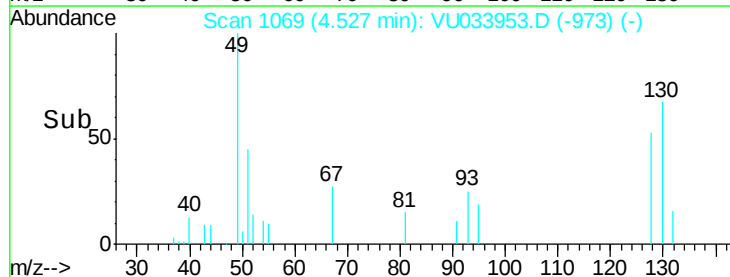
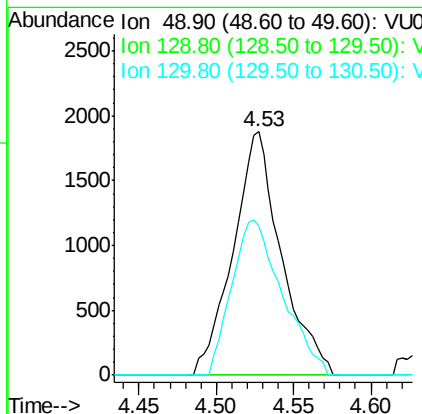
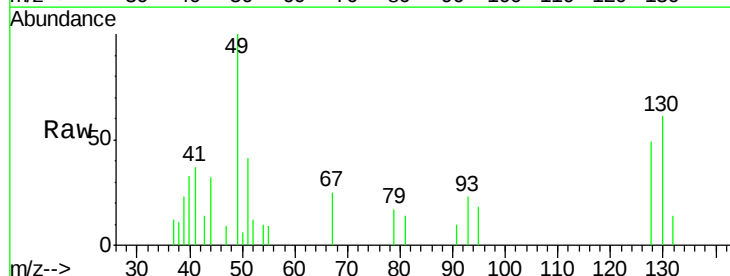
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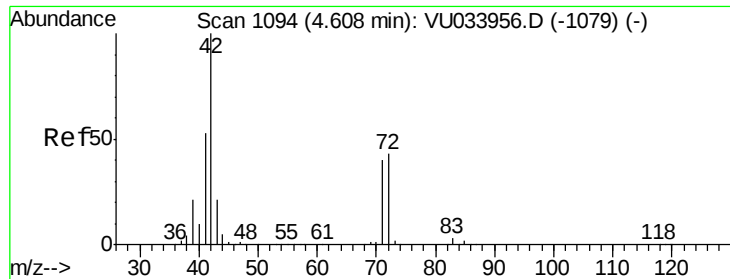


#28

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

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	66.7	56.2	84.4





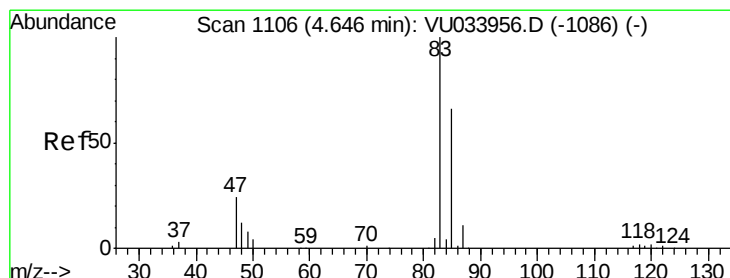
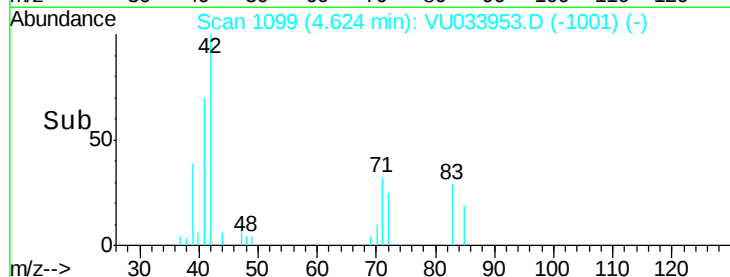
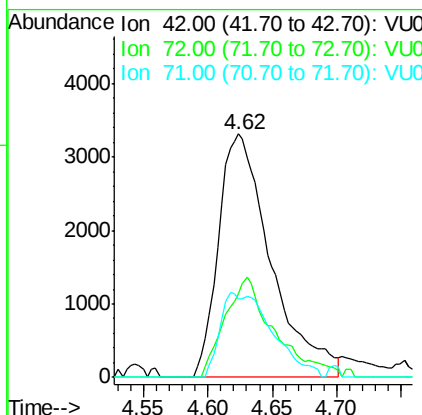
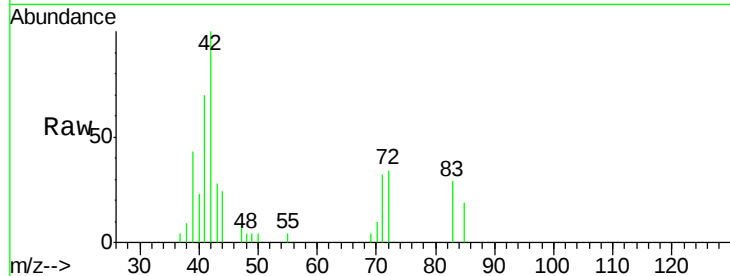
#29
Tetrahydrofuran
Concen: 3.525 ug/l
RT: 4.62 min Scan# 1099
Delta R.T. 0.02 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.6	52.0
71	15.0	32.1	48.1#

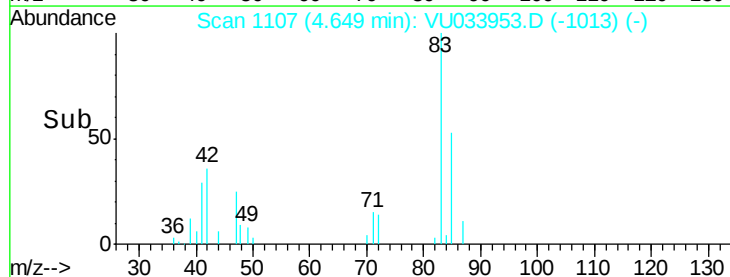
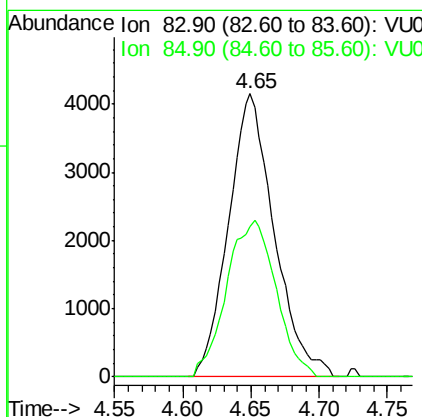
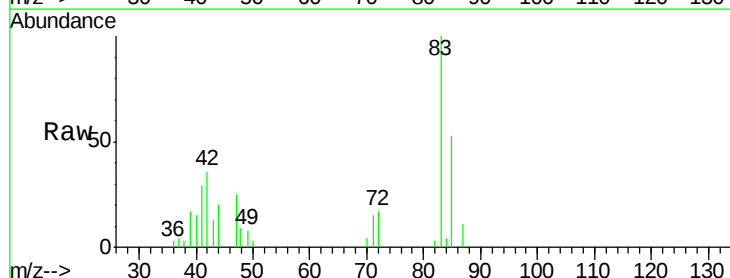
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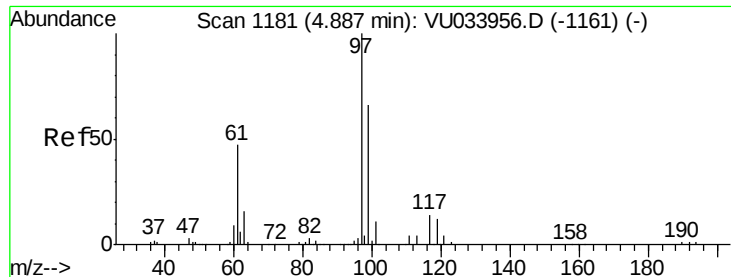
MMDadoda
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#30
Chloroform
Concen: 1.329 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.2	52.4	78.6





#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

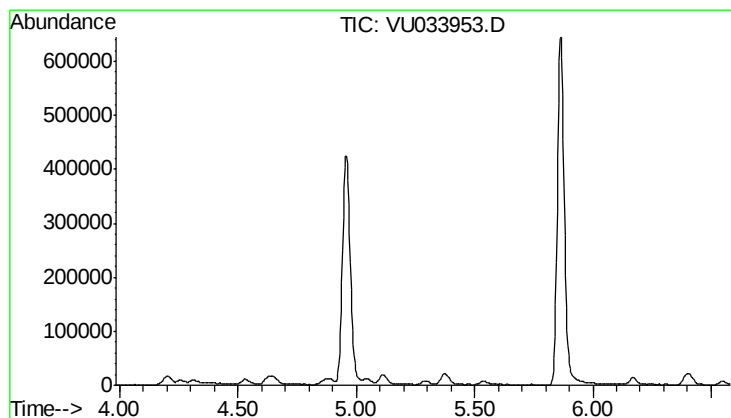
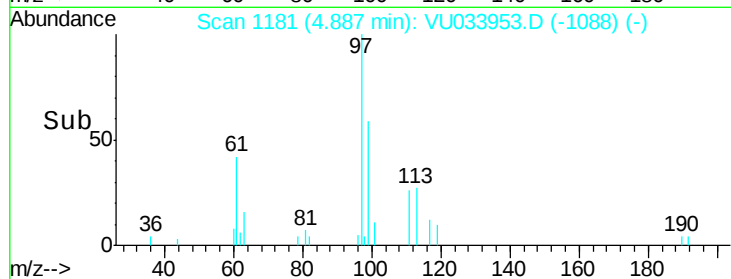
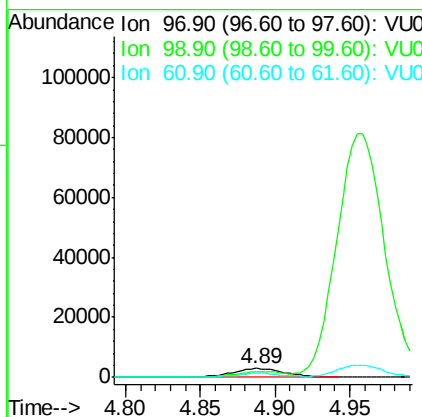
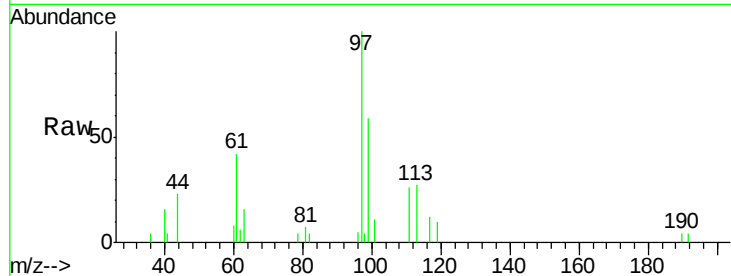
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.4	77.0#	
61	42.0	38.4	57.6	

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.28 min

Lab File: VU033953.D

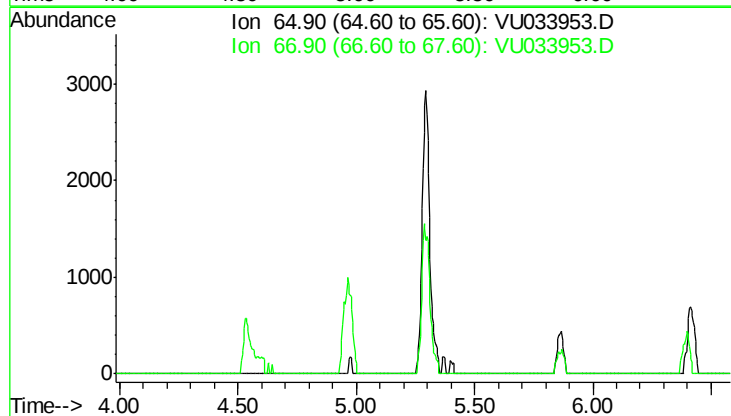
Acq: 26 Aug 2019 16:40

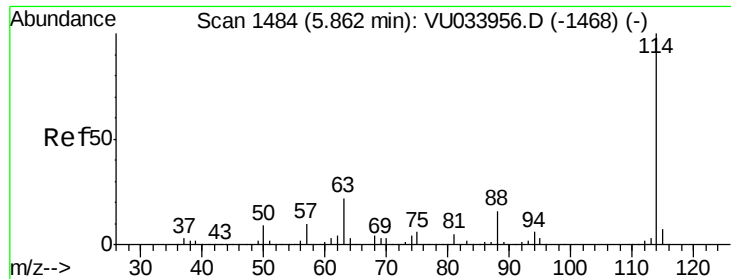
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.6





#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

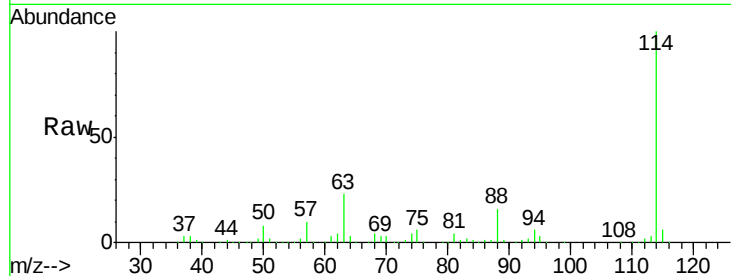
ClientSampleId :

VSTDIC001

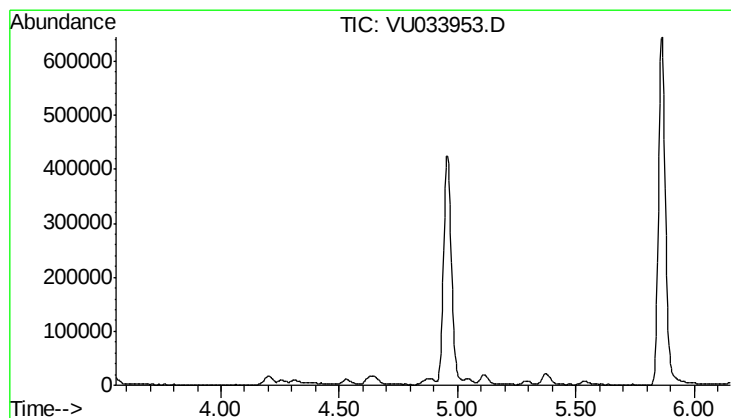
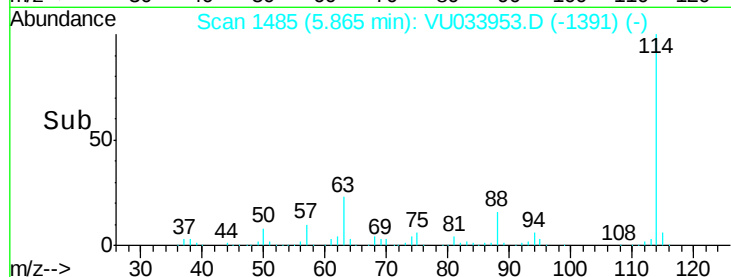
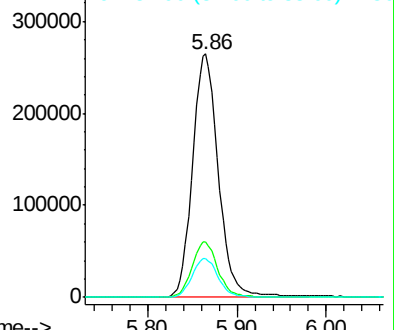
Tot Ion:	114	Resp:	531946
Ion Ratio	Lower	Upper	
114	100		
63	22.7	0.0	44.2
88	16.1	0.0	32.0

Manual Integrations
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Abundance Ion 113.90 (113.60 to 114.60): VU033953.D



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

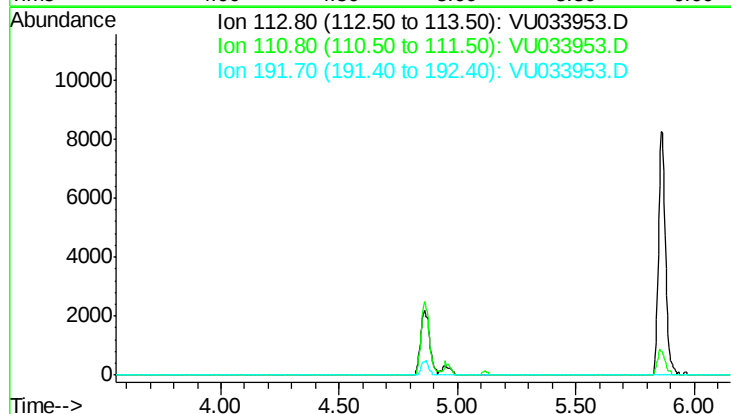
Tgt Ion: 113

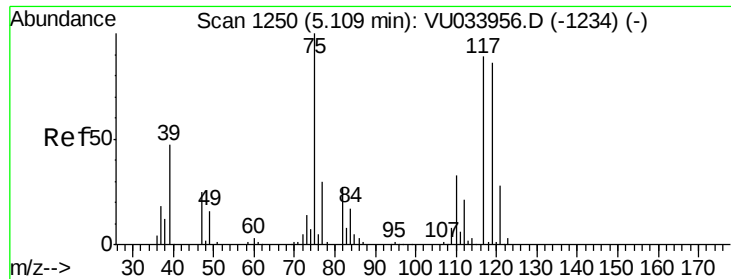
Sig Exp Ratio

113 100

111 102.5

192 20.3





#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

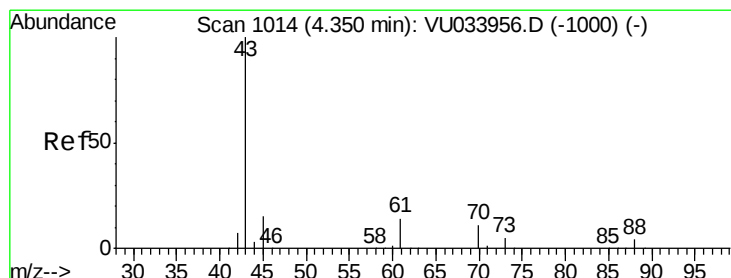
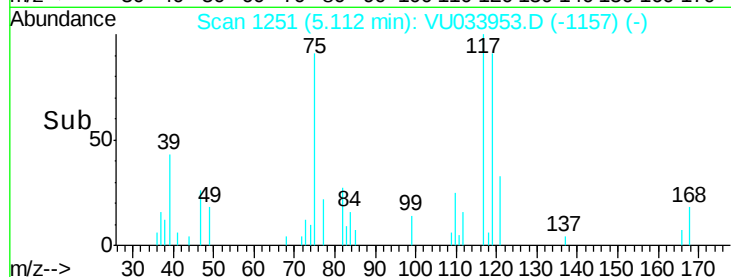
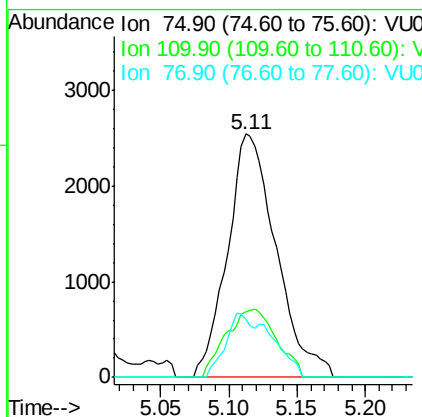
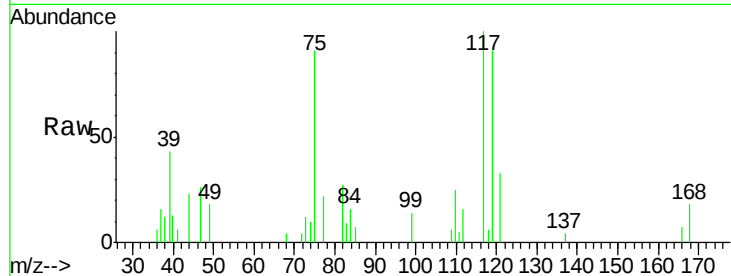
ClientSampleId :

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#

Manual Integrations
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#37

Ethyl Acetate

Concen: 0.915 ug/l m

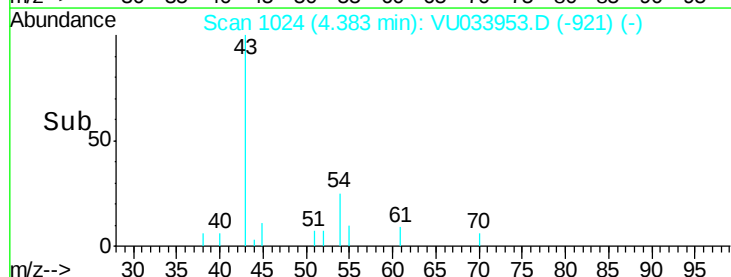
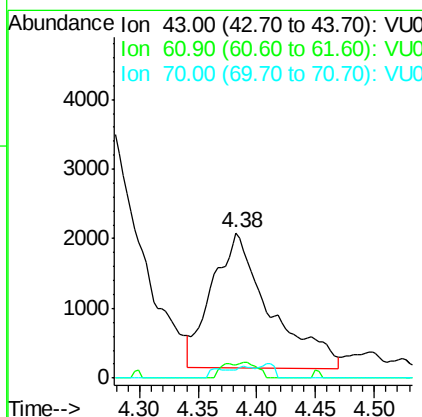
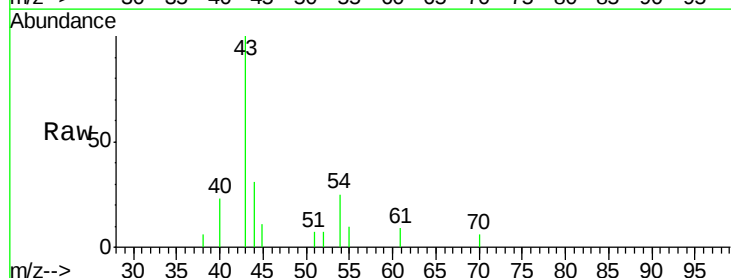
RT: 4.38 min Scan# 1024

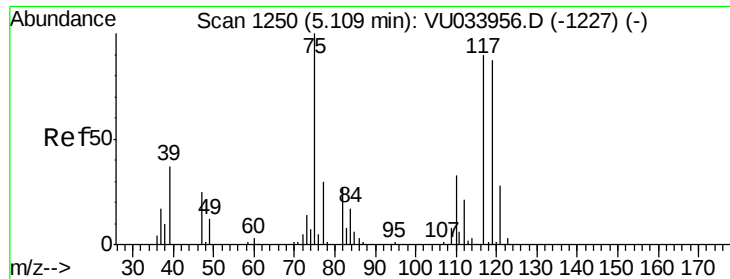
Delta R.T. 0.03 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Tgt Ion:	43	Resp:	6719
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	2.5	8.2	12.4#





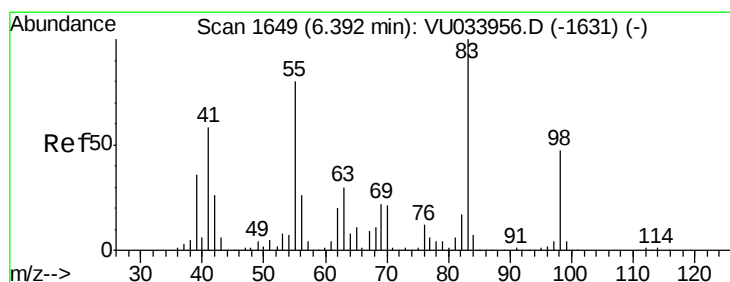
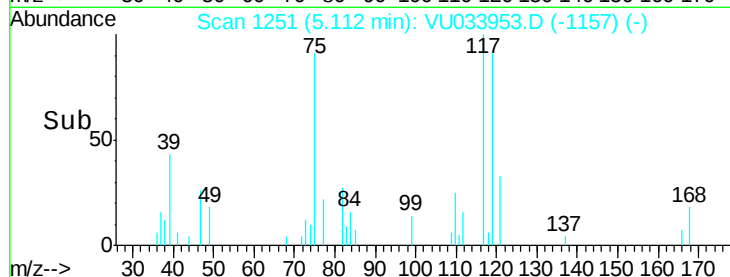
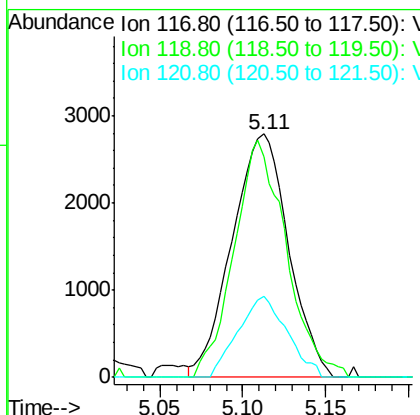
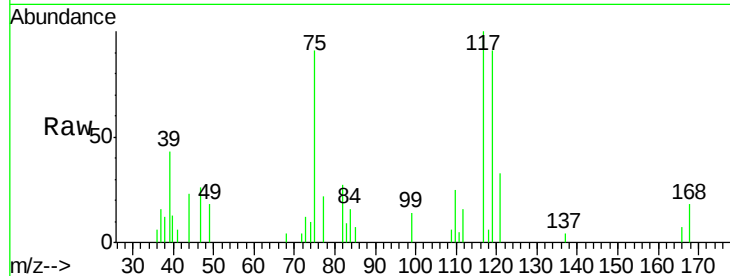
#38
Carbon Tetrachloride
Concen: 1.379 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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

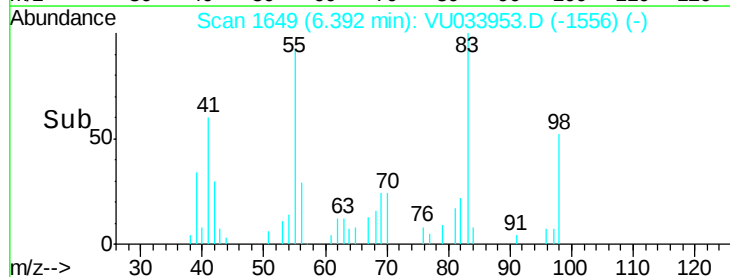
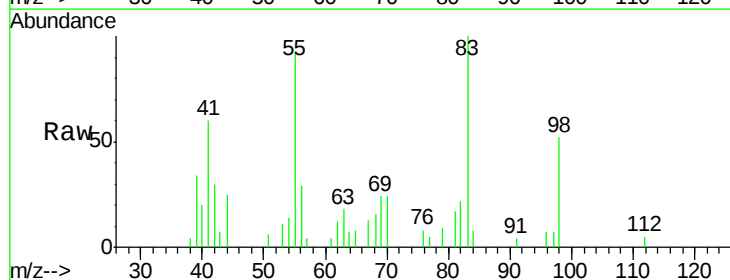
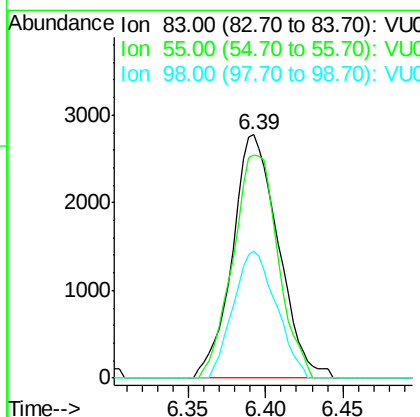
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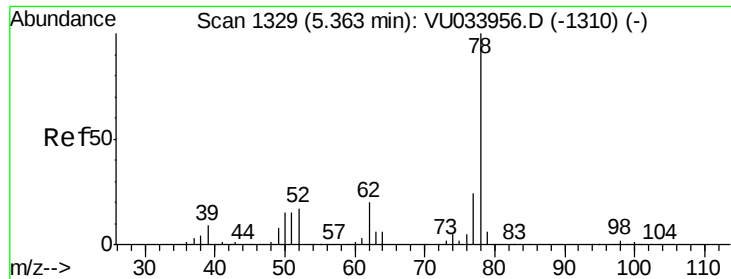
MMDadoda
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#39
Methylcyclohexane
Concen: 0.819 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

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





#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

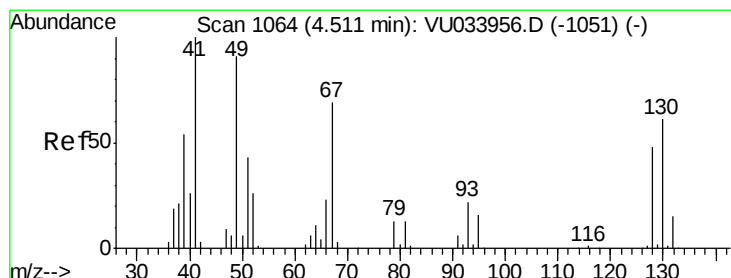
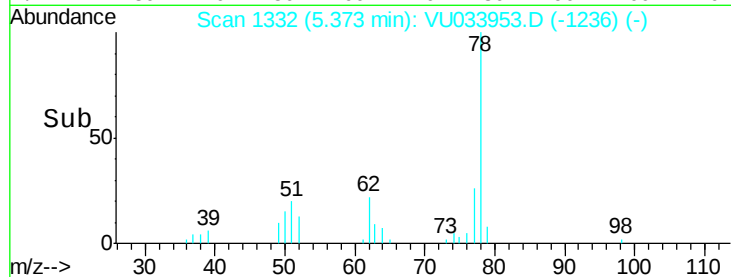
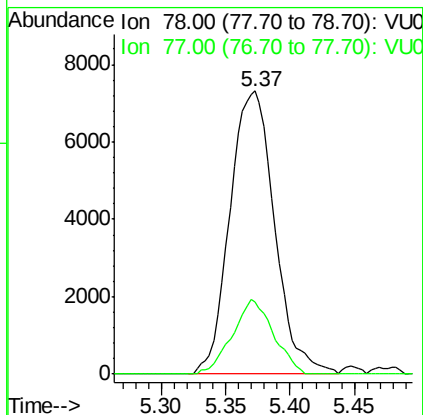
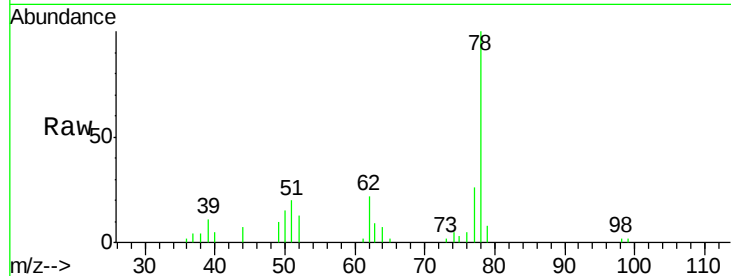
77 25.6 19.0 28.4

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.651 ug/l m

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: 2606

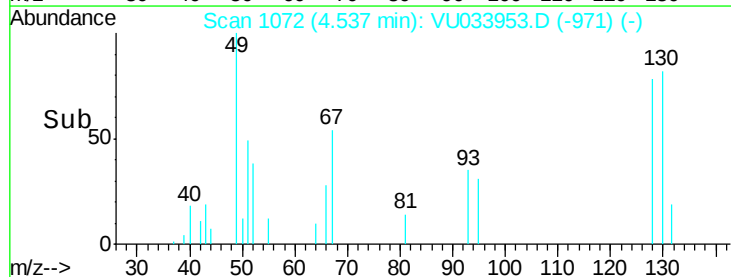
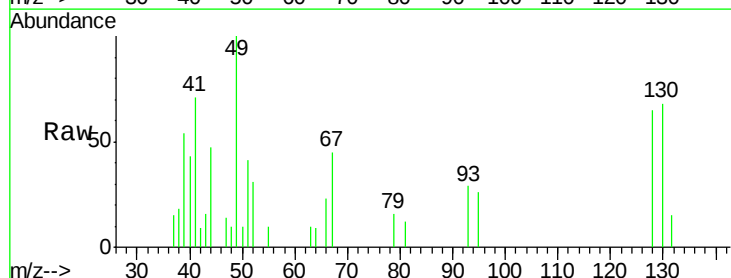
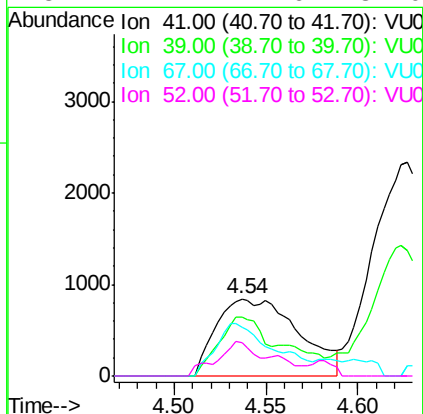
Ion Ratio Lower Upper

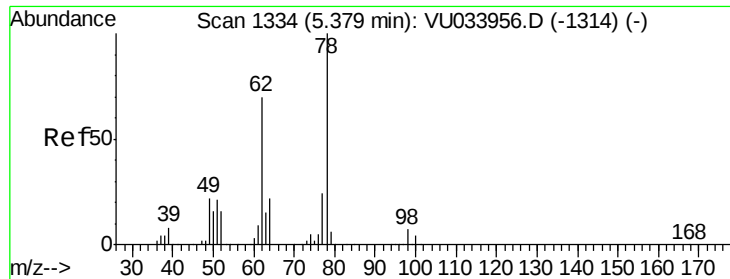
41 100

39 60.2 43.3 64.9

67 48.6 57.5 86.3#

52 21.7 22.6 34.0#





#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

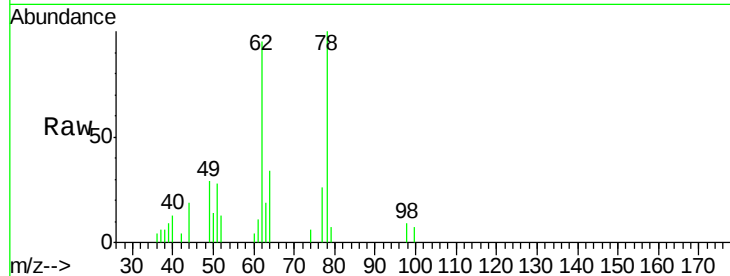
98 8.1 0.0 18.2

Manual Integrations

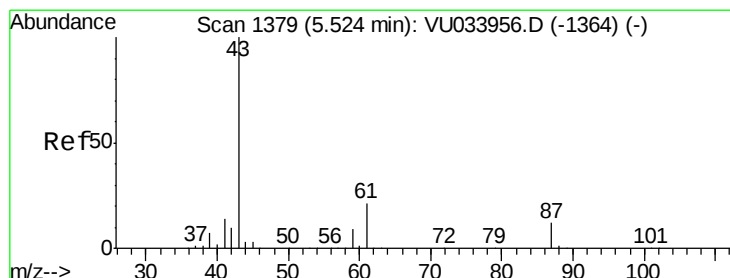
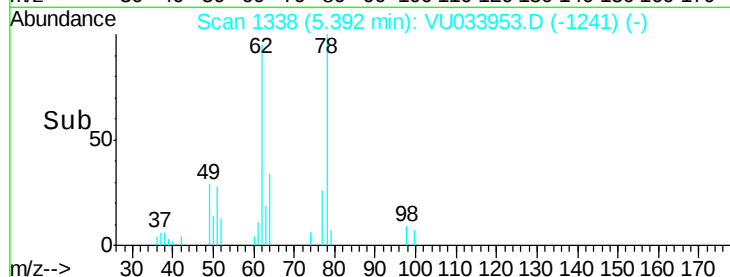
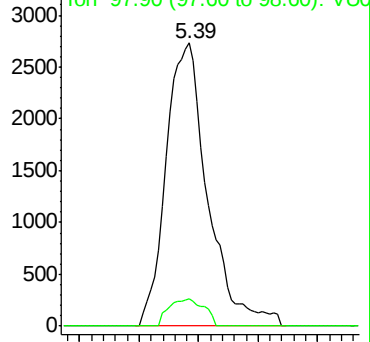
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Abundance Ion 61.90 (61.60 to 62.60): VU033953.D (-1241) (-)



#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

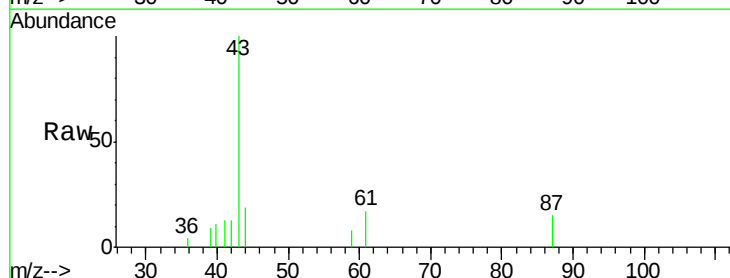
Tgt Ion: 43 Resp: 8750

Ion Ratio Lower Upper

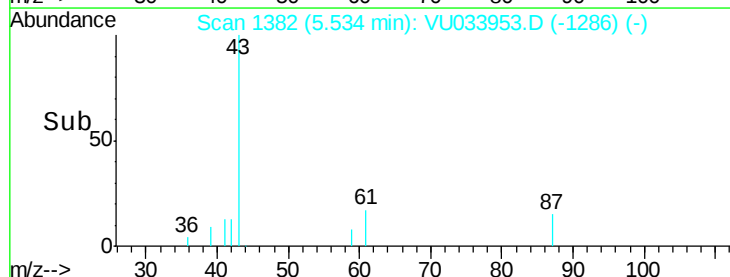
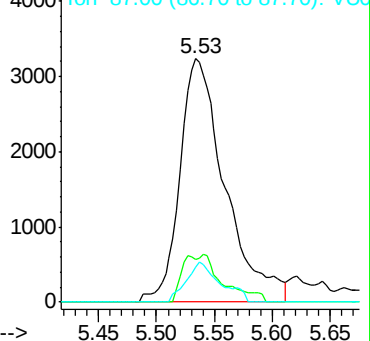
43 100

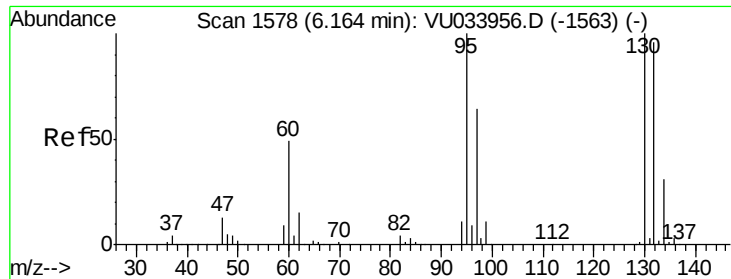
61 6.3 16.1 24.1#

87 12.2 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VU033953.D (-1286) (-)





#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

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 5077

Ion Ratio Lower Upper

130 100

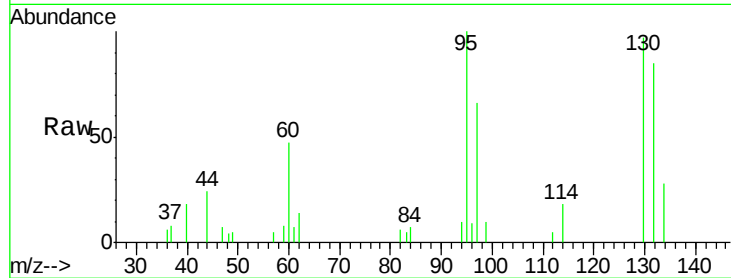
95 102.8 0.0 200.4

Manual Integrations

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

Ion 94.90 (94.60 to 95.60): VU033953.D (-1485) (-)

6.17

2500

2000

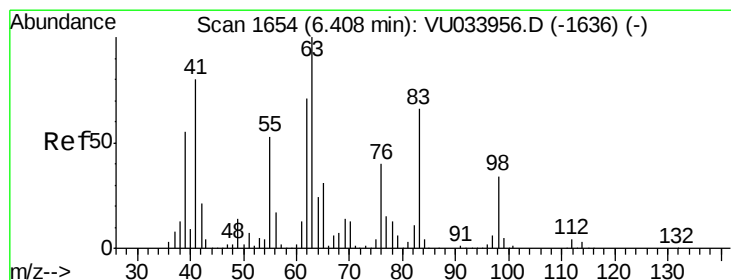
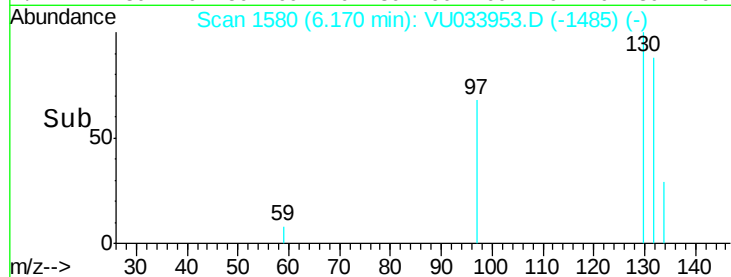
1500

1000

500

0

Time-->



#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

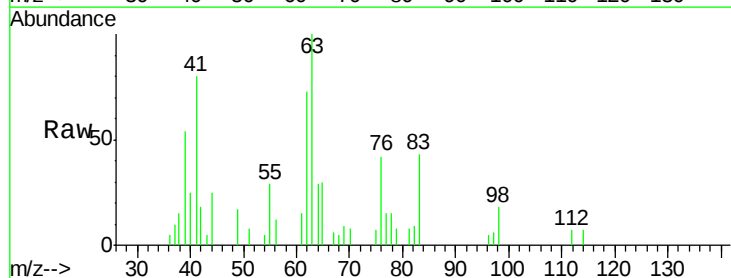
Acq: 26 Aug 2019 16:40

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) (-)

Ion 64.90 (64.60 to 65.60): VU033953.D (-1561) (-)

6.41

2500

2000

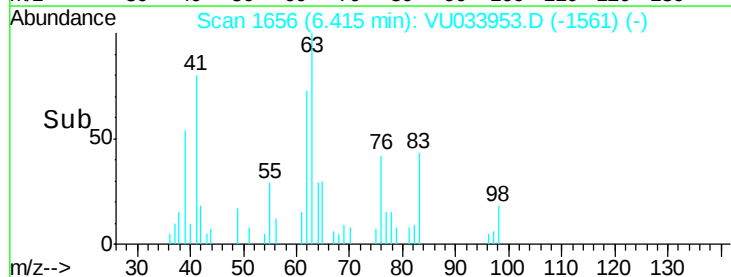
1500

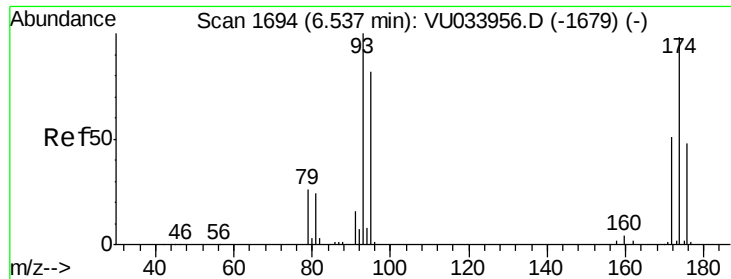
1000

500

0

Time-->





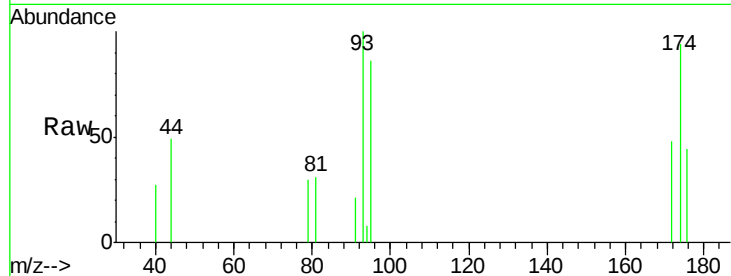
#46
Dibromomethane
Concen: 1.076 ug/l
RT: 6.54 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

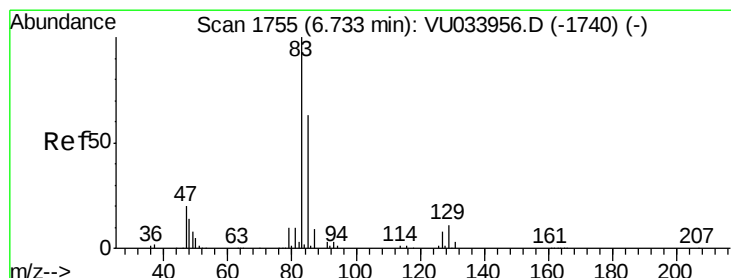
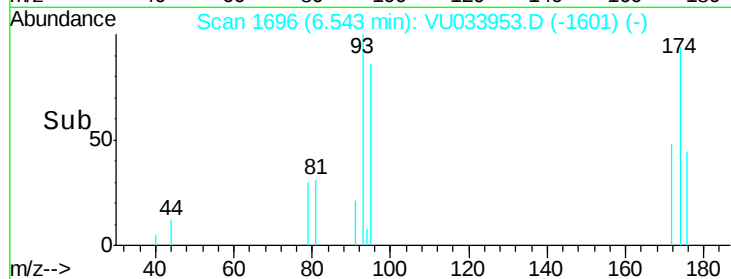
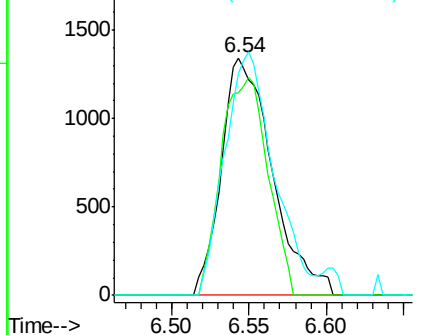
Tot Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.3	100.9
174	99.1	79.7	119.5

Manual Integrations
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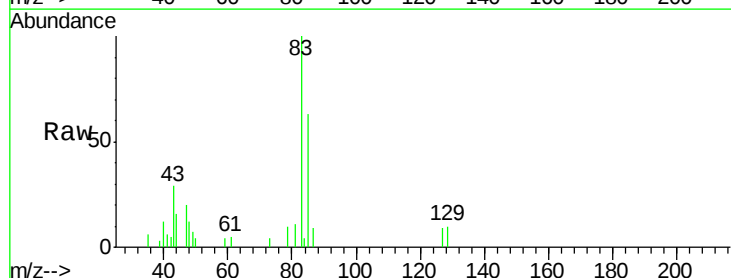


Abundance Ion 92.80 (92.50 to 93.50): VU033953.D (-1601) (-)
Ion 94.80 (94.50 to 95.50): VU033953.D (-1601) (-)
Ion 173.70 (173.40 to 174.40): VU033953.D (-1601) (-)

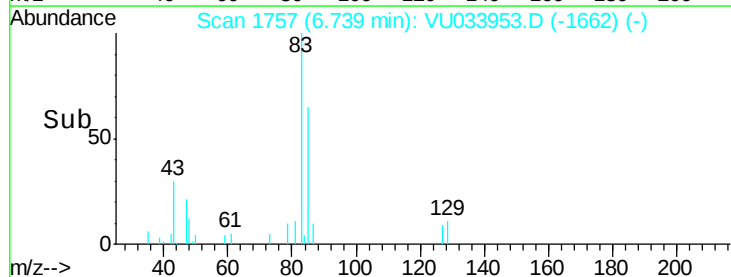
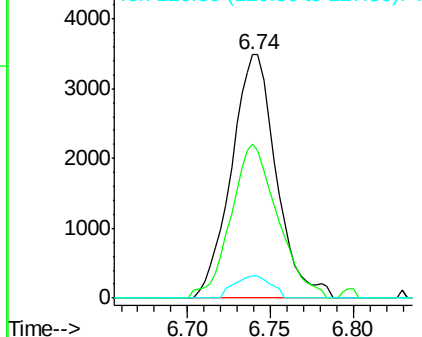


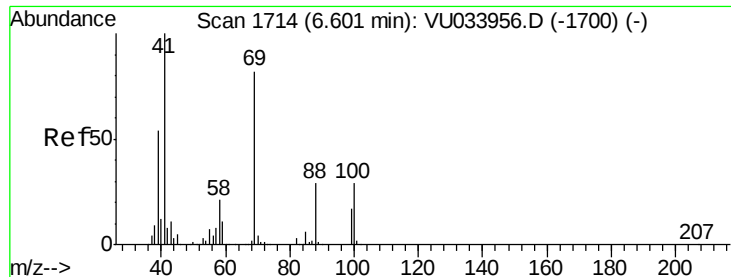
#47
Bromodichloromethane
Concen: 1.170 ug/l
RT: 6.74 min Scan# 1757
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion	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) (-)





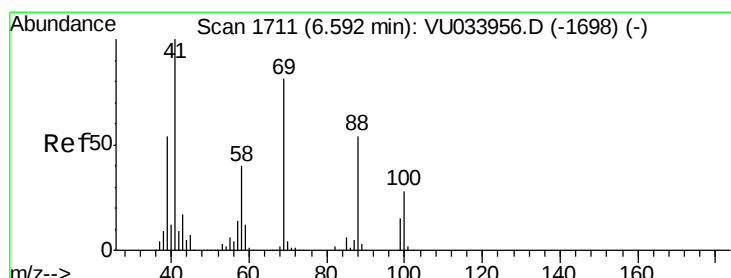
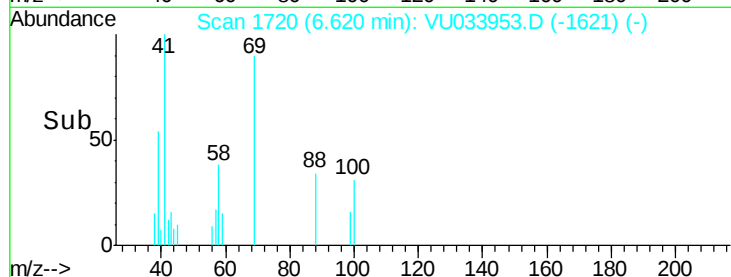
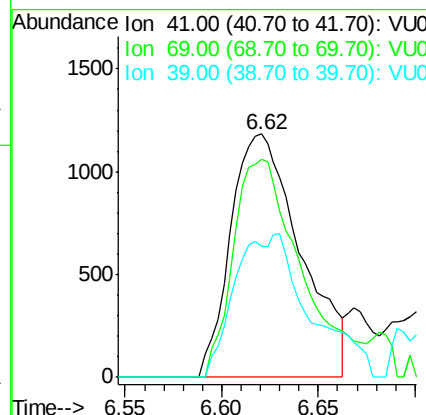
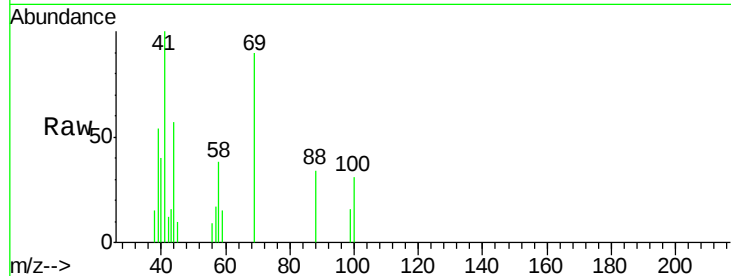
#48
Methvl methacrylate
Concen: 0.520 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.02 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	88.3	66.9	100.3
39	29.4	43.3	64.9#

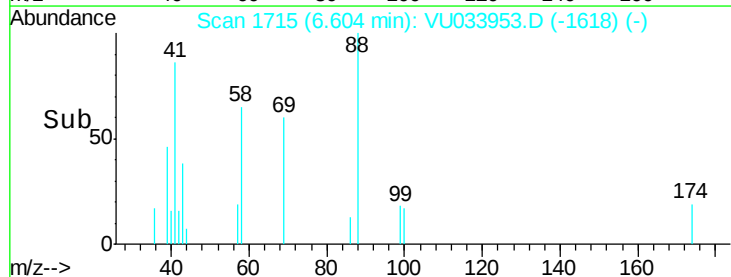
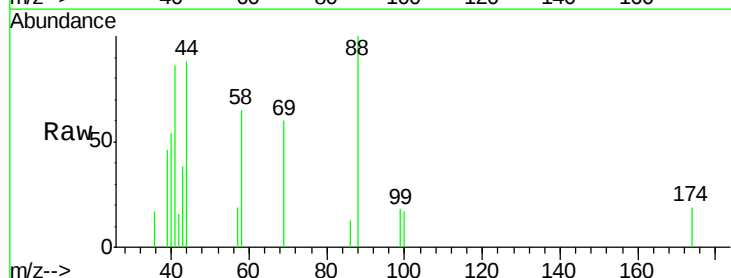
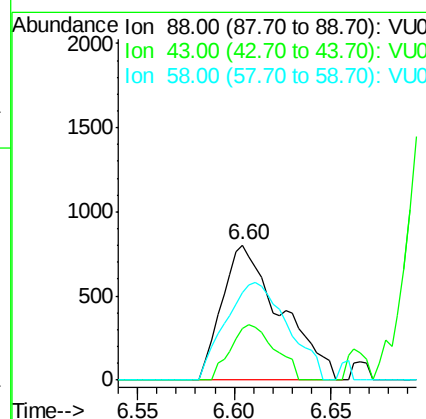
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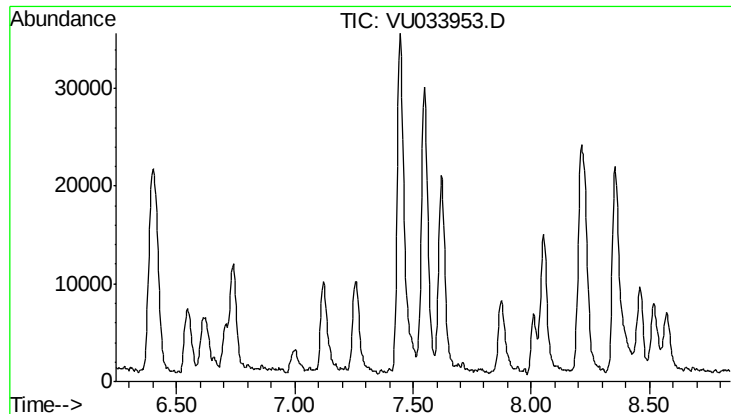
MMDadoda
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#49
1,4-Dioxane
Concen: 17.685 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.1	27.2	40.8
58	76.7	59.3	88.9





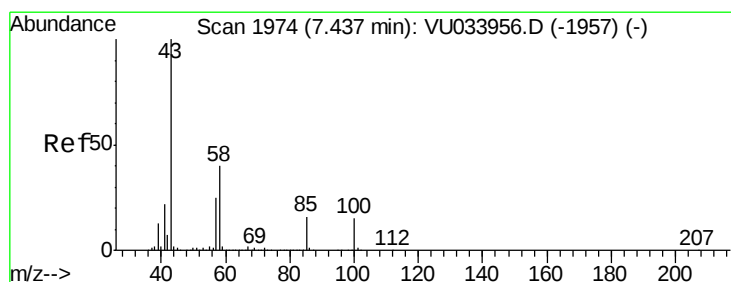
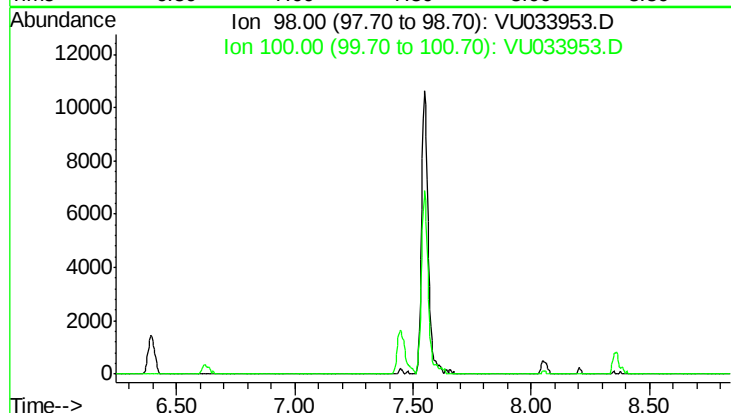
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.54 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.7

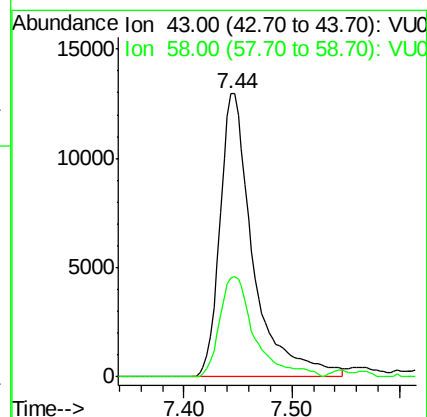
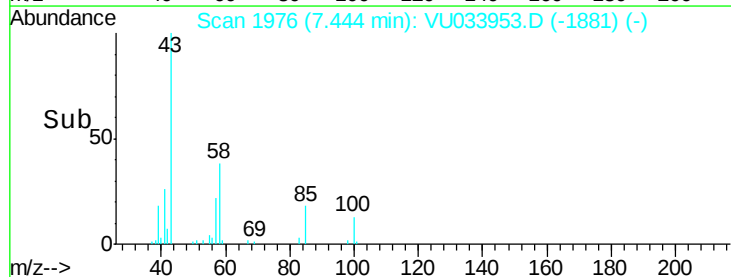
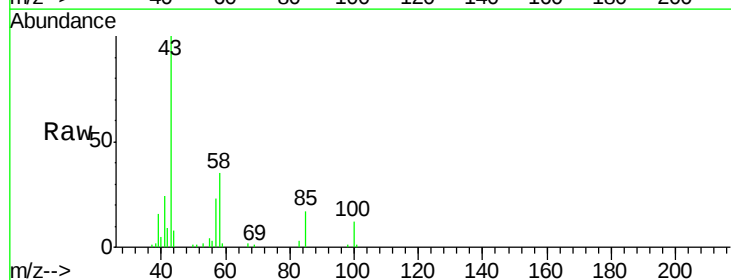
Manual Integrations
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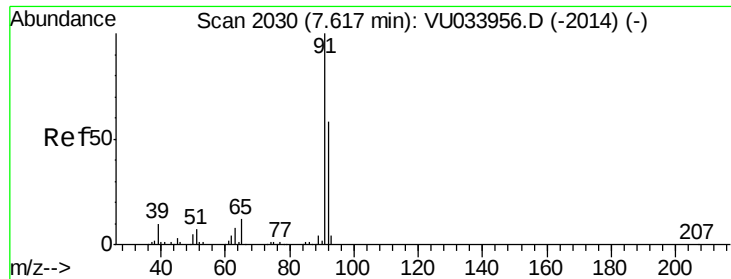
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 3.768 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

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

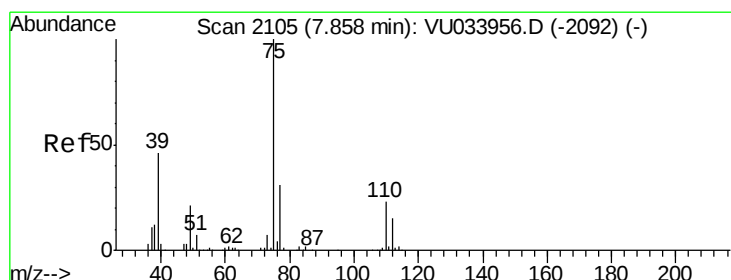
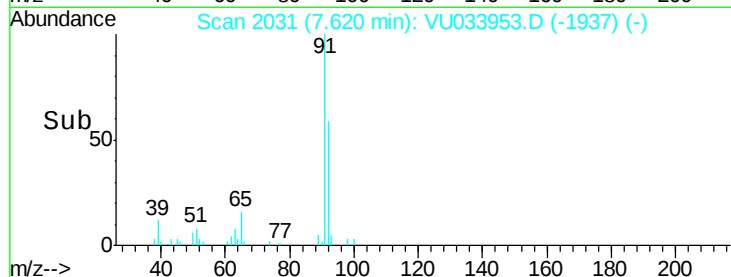
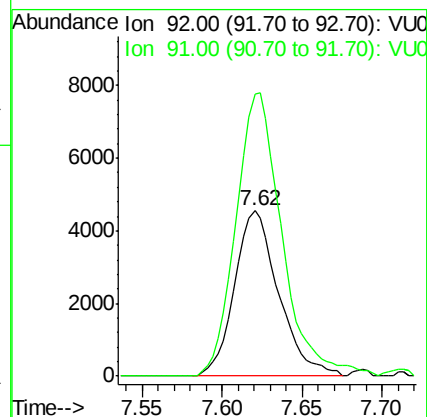
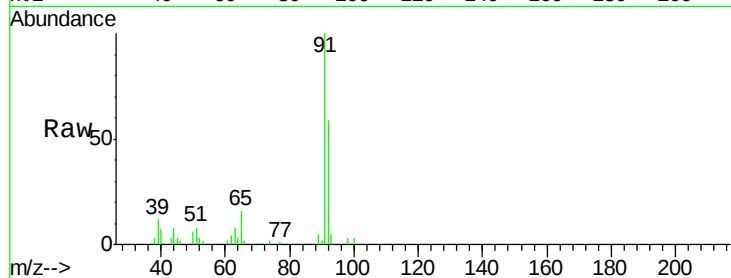
91 178.9 137.5 206.3

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#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

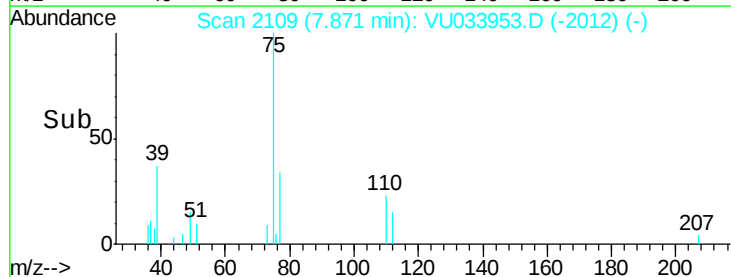
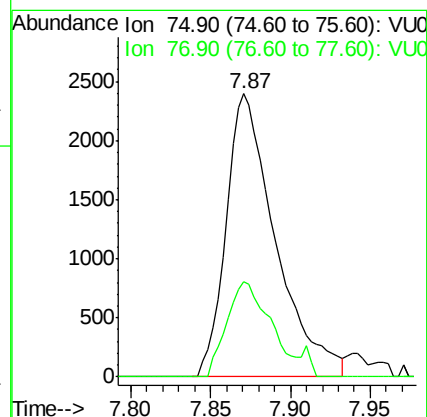
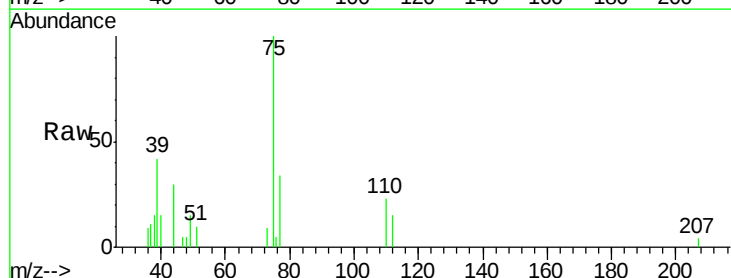
Acq: 26 Aug 2019 16:40

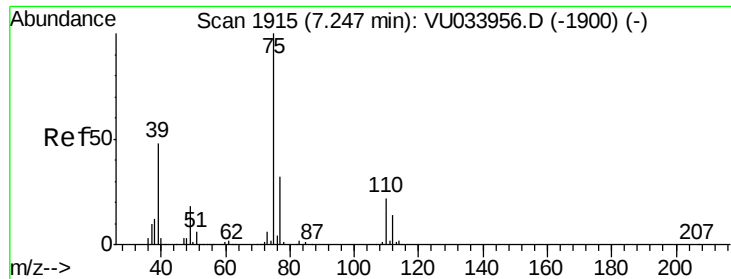
Tgt Ion: 75 Resp: 5072

Ion Ratio Lower Upper

75 100

77 33.6 24.9 37.3





#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

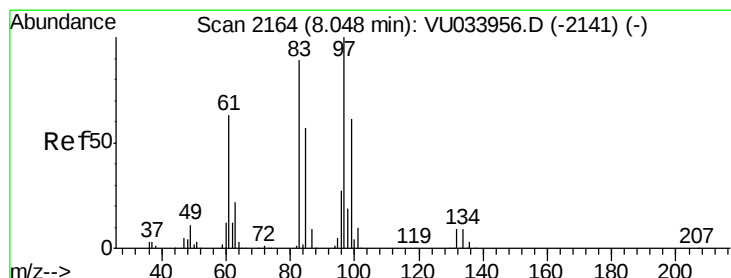
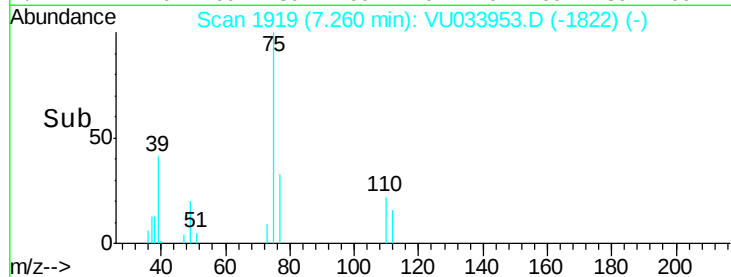
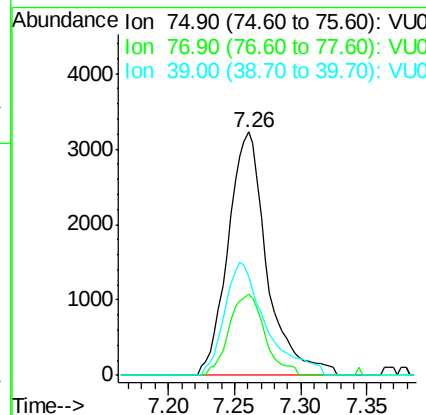
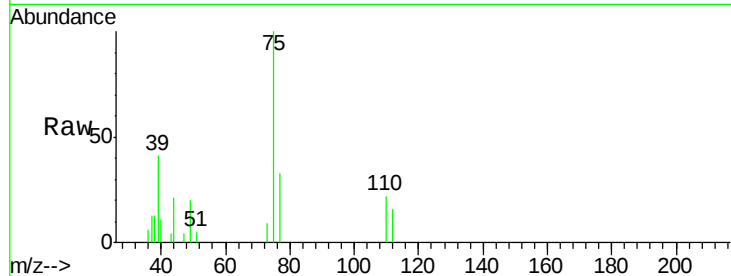
ClientSampleId :

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

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#55

1,1,2-Trichloroethane

Concen: 1.146 ug/l

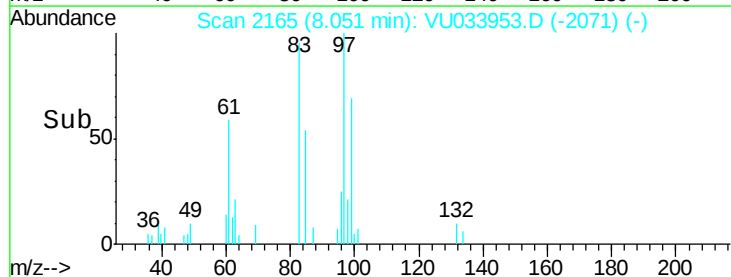
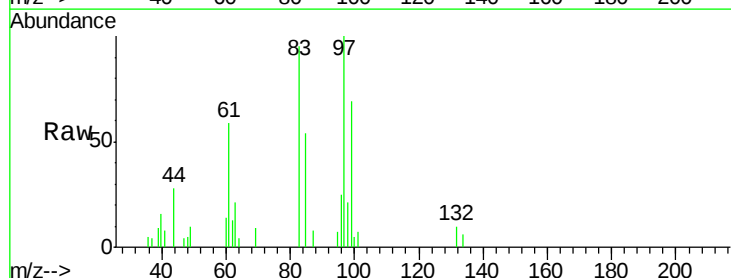
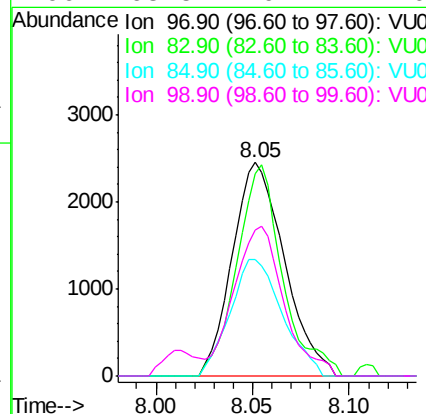
RT: 8.05 min Scan# 2165

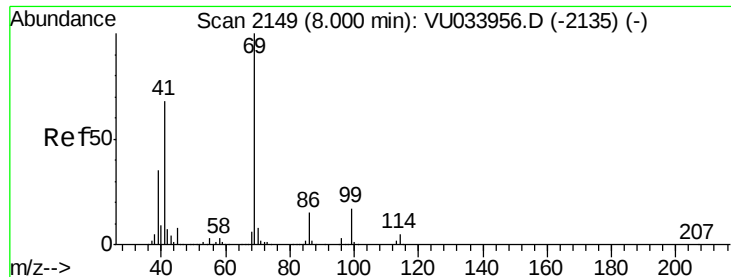
Delta R.T. 0.00 min

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

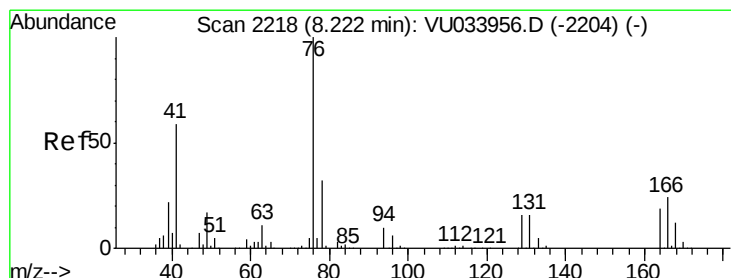
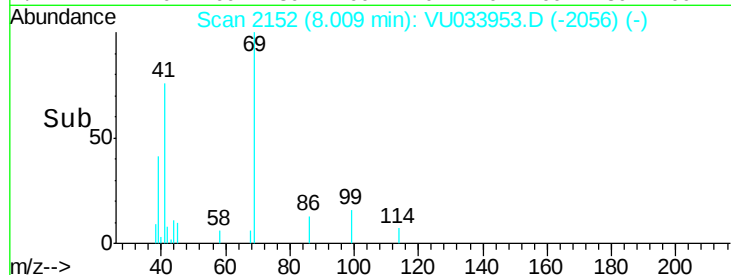
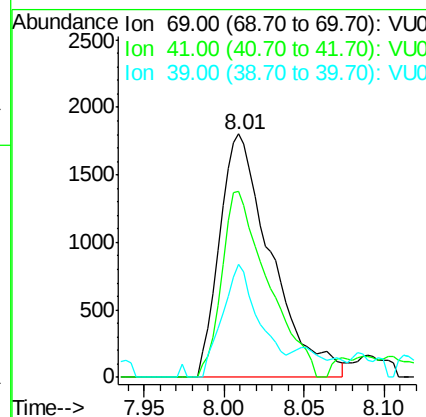
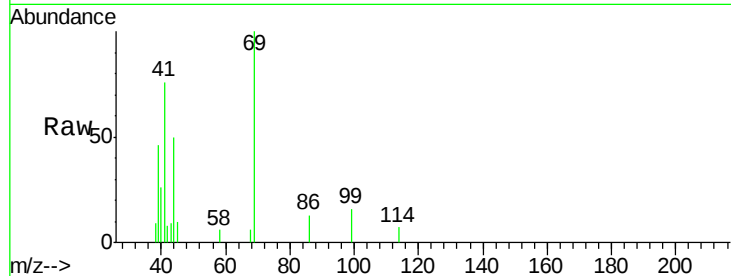
ClientSampleId :

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

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#57

1,3-Dichloropropane

Concen: 1.002 ug/l

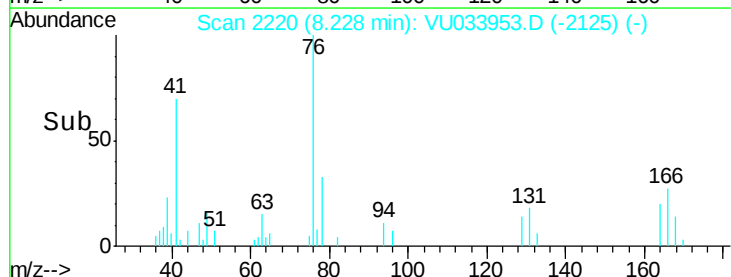
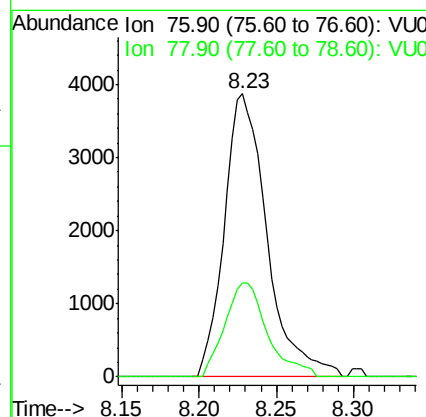
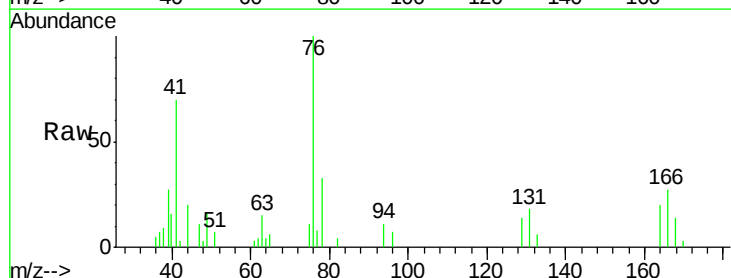
RT: 8.23 min Scan# 2220

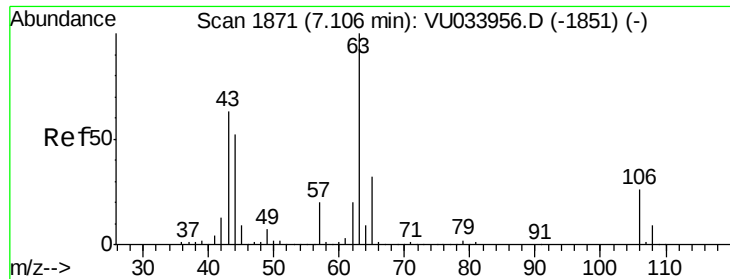
Delta R.T. 0.01 min

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





#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

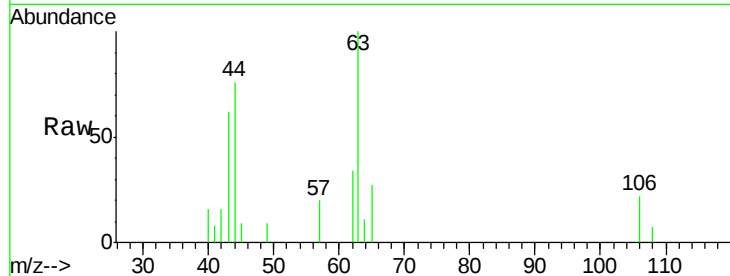
106 22.6 20.8 31.2

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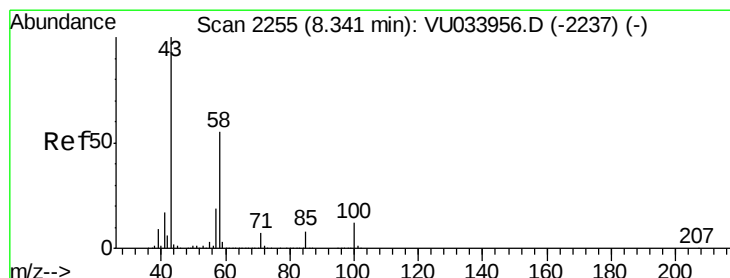
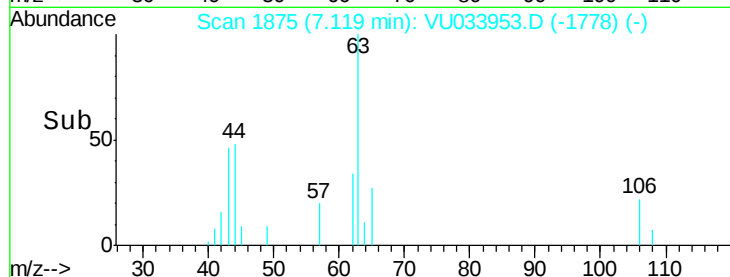
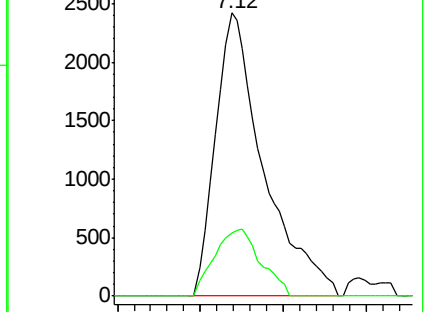
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Abundance Ion 62.90 (62.60 to 63.60): VU033953.D (-1778) (-)

Ion 105.90 (105.60 to 106.60): VU033953.D (-1778) (-)



#59

2-Hexanone

Concen: 3.442 ug/l

RT: 8.35 min Scan# 2259

Delta R.T. 0.01 min

Lab File: VU033953.D

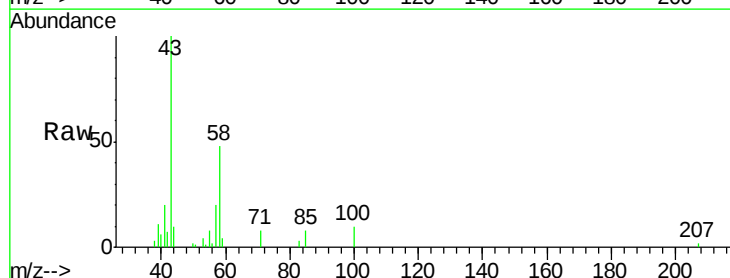
Acq: 26 Aug 2019 16:40

Tgt Ion: 43 Resp: 20084

Ion Ratio Lower Upper

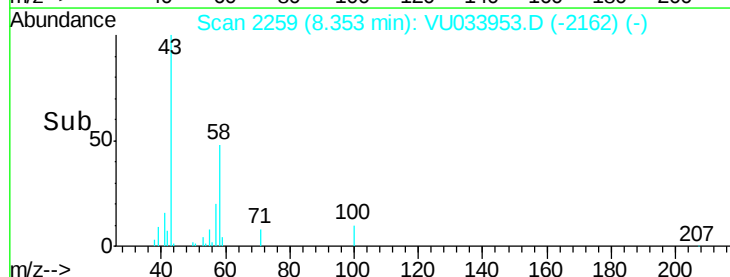
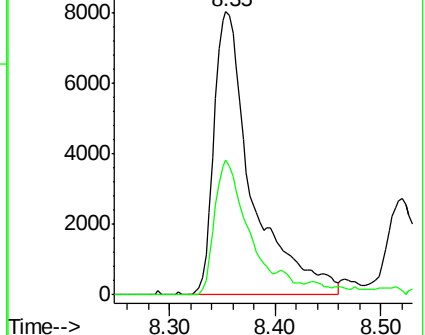
43 100

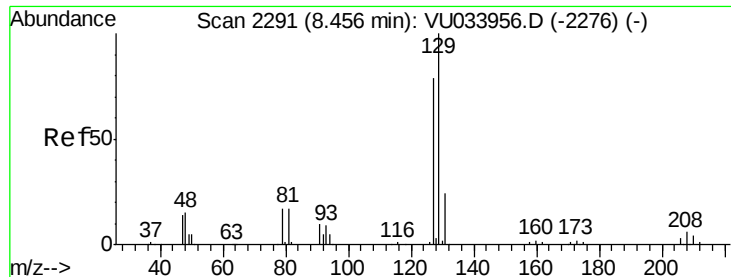
58 40.0 27.3 81.9



Abundance Ion 43.00 (42.70 to 43.70): VU033953.D (-2162) (-)

Ion 58.00 (57.70 to 58.70): VU033953.D (-2162) (-)





#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

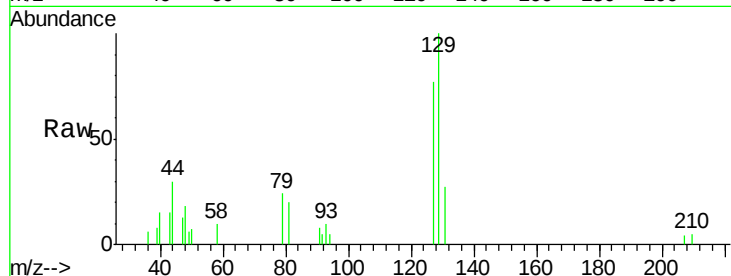
127 76.3 38.9 116.7

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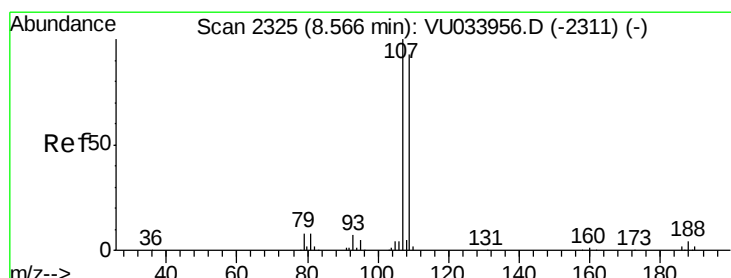
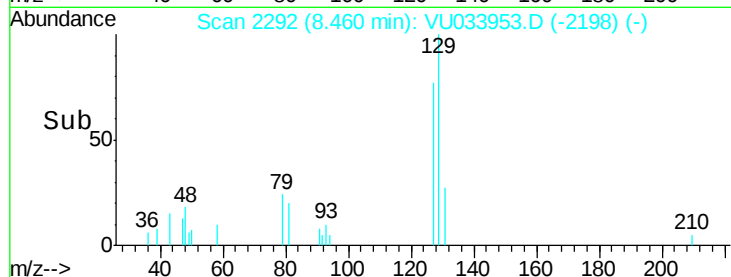
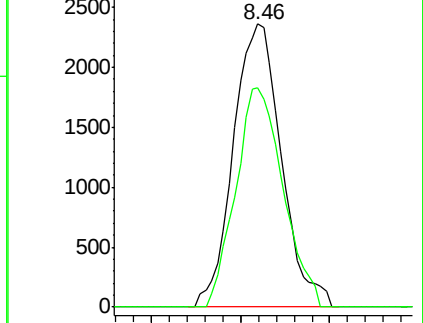
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Abundance Ion 128.80 (128.50 to 129.50): V

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

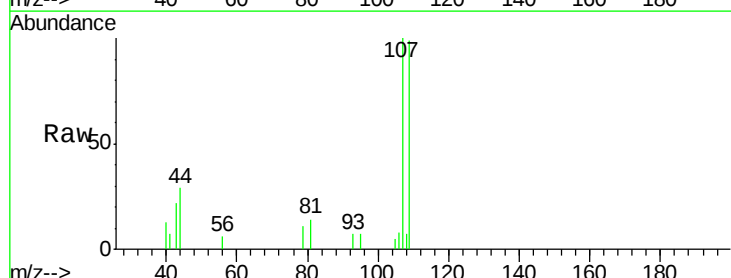
Acq: 26 Aug 2019 16:40

Tgt Ion:107 Resp: 4195

Ion Ratio Lower Upper

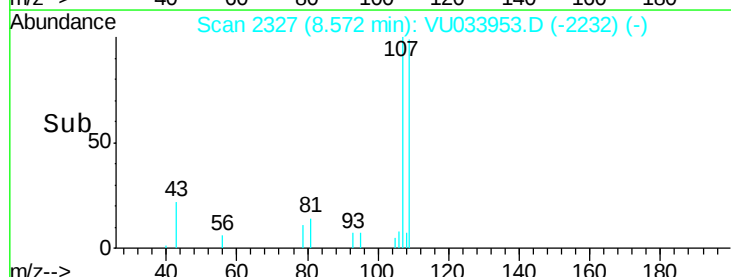
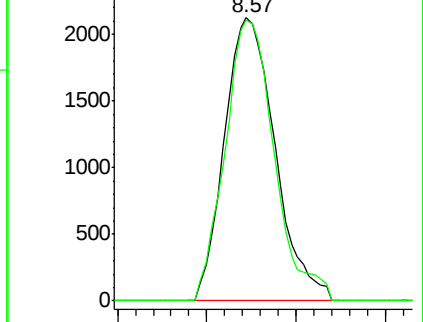
107 100

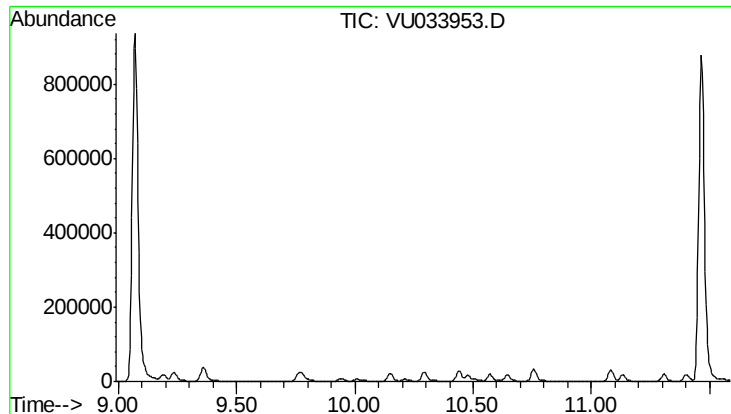
109 96.5 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





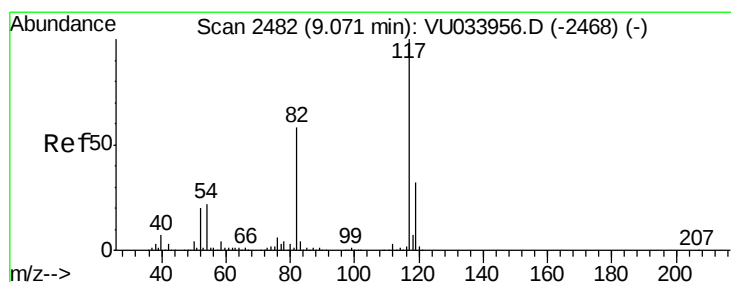
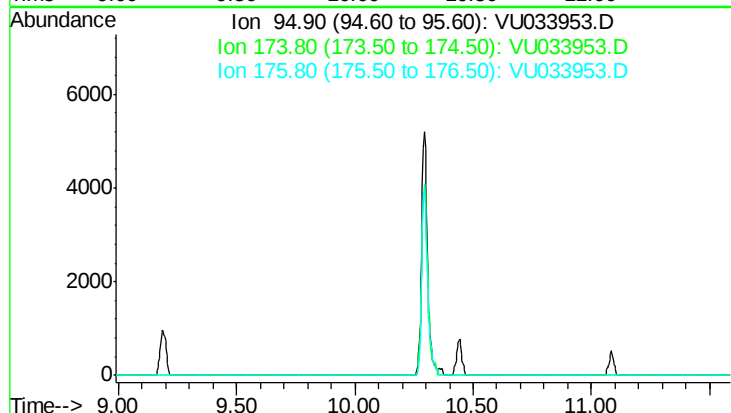
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 10.29 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	80.2
176	77.1

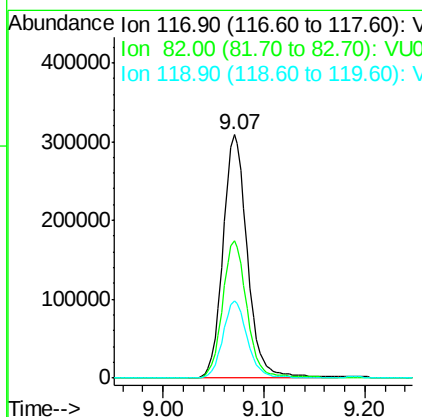
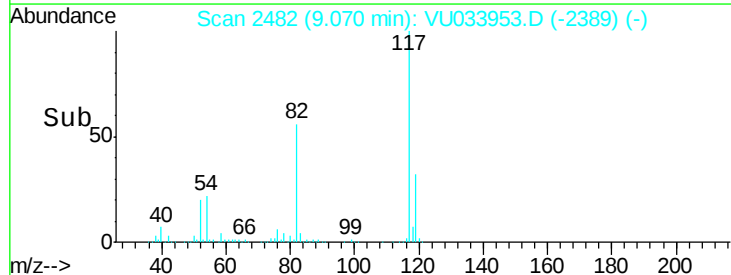
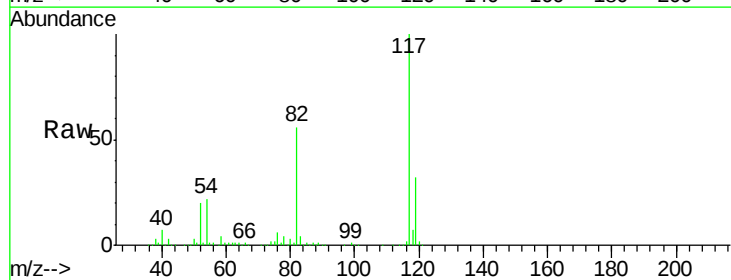
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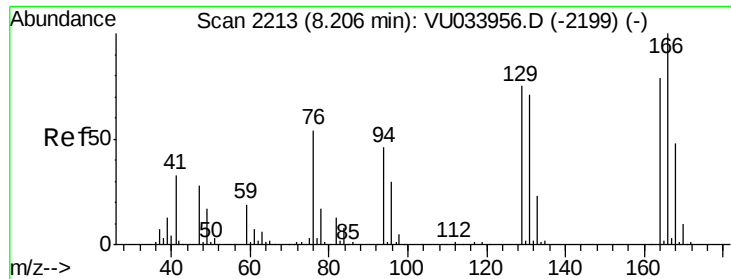
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

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





#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

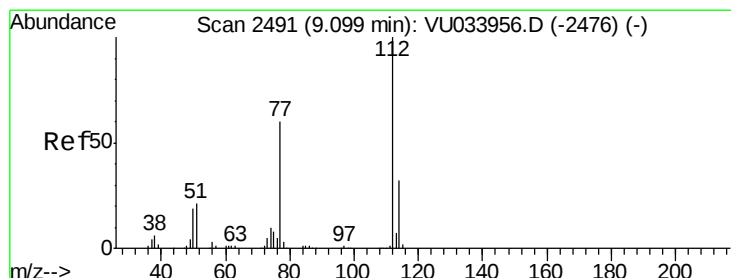
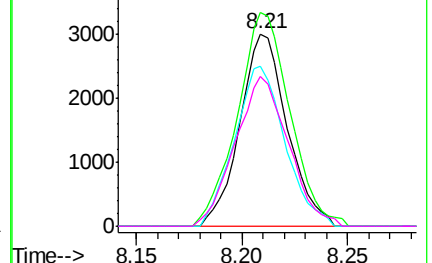
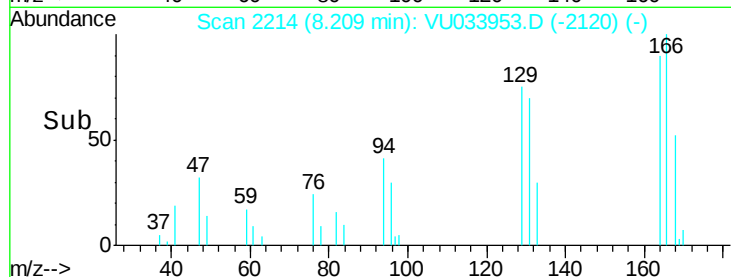
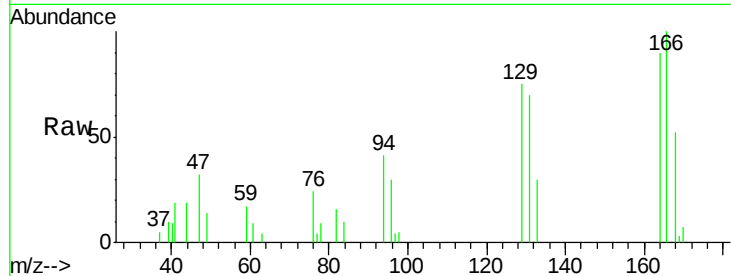
131 77.8 72.2 108.4

Manual Integrations

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#65

Chlorobenzene

Concen: 1.070 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033953.D

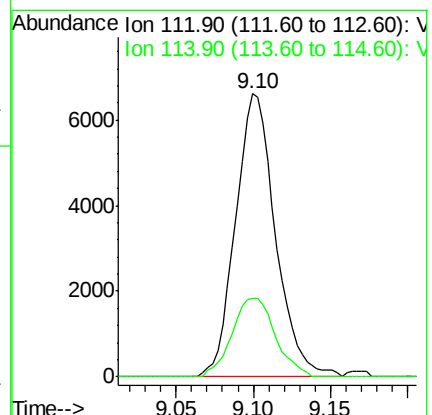
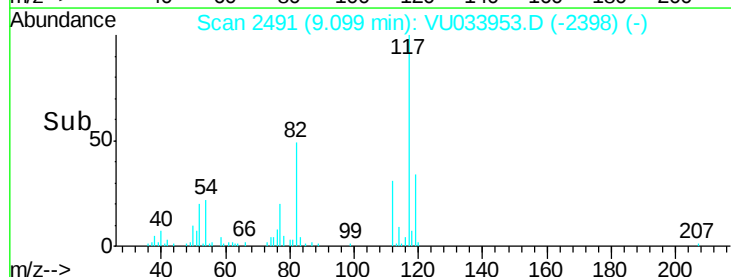
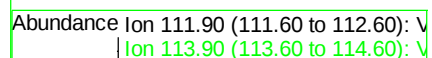
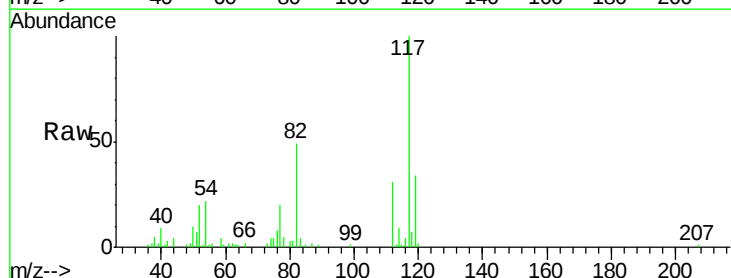
Acq: 26 Aug 2019 16:40

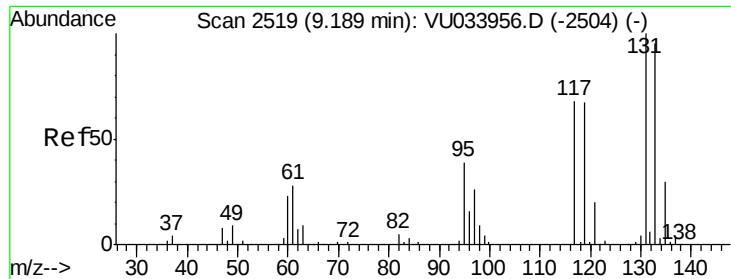
Tgt Ion:112 Resp: 11865

Ion Ratio Lower Upper

112 100

114 27.9 25.4 38.2





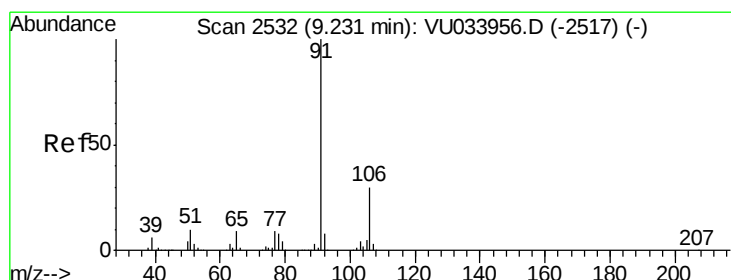
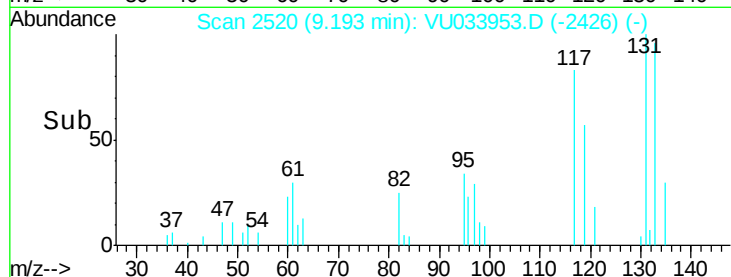
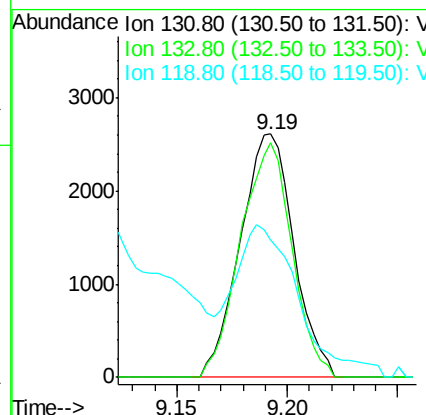
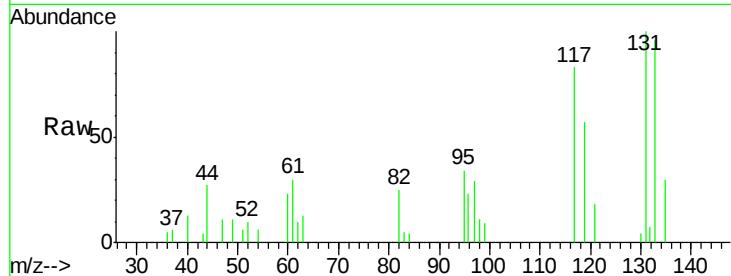
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.220 ug/l
 RT: 9.19 min Scan# 2520
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

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#

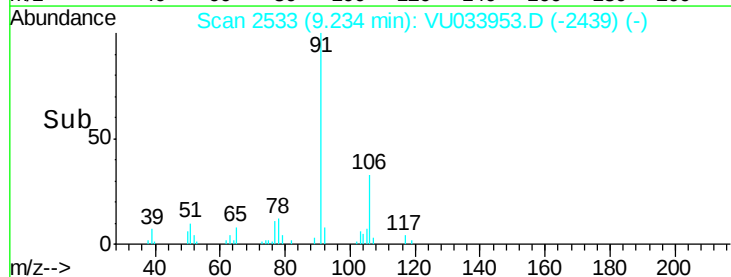
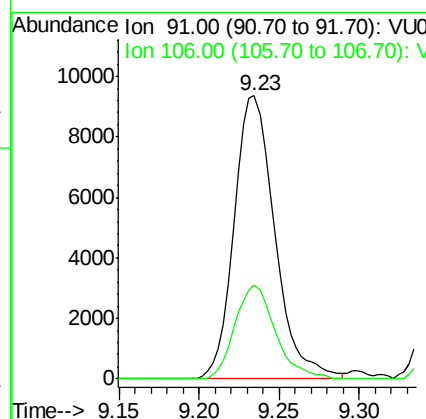
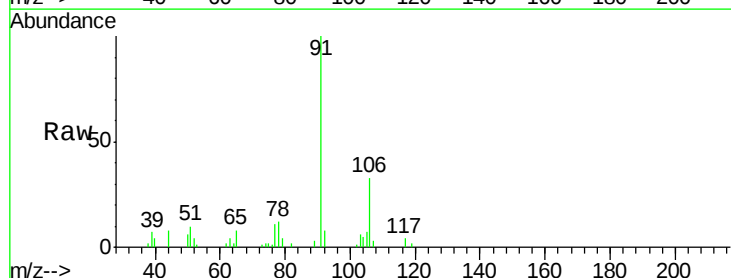
Manual Integrations
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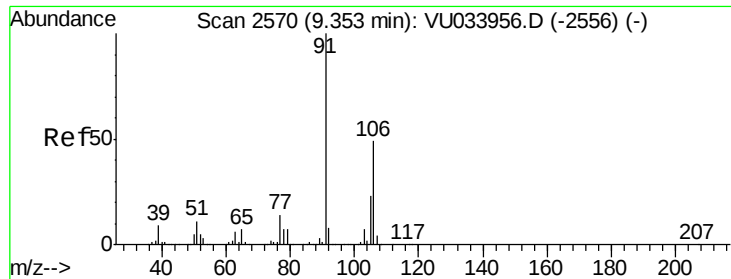
MMDadoda
 8/27/2019 12:16:38 PM



#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





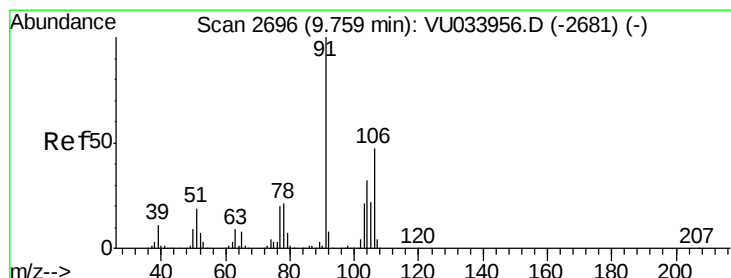
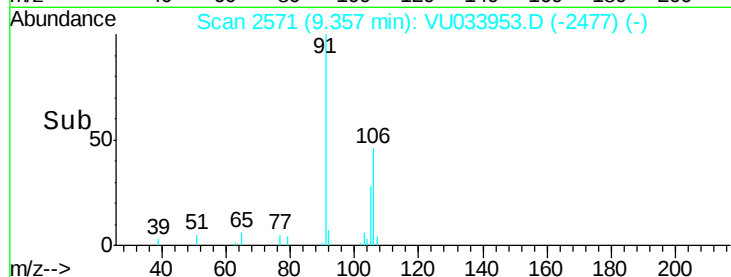
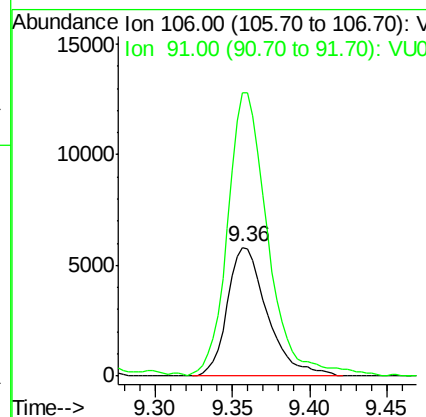
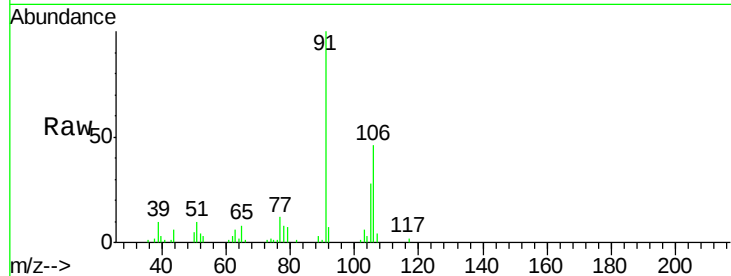
#68
m/p-Xylenes
Concen: 1.410 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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

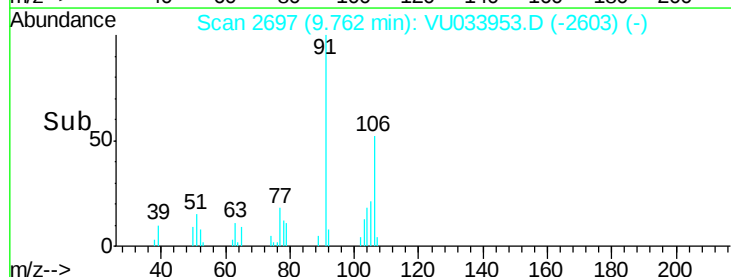
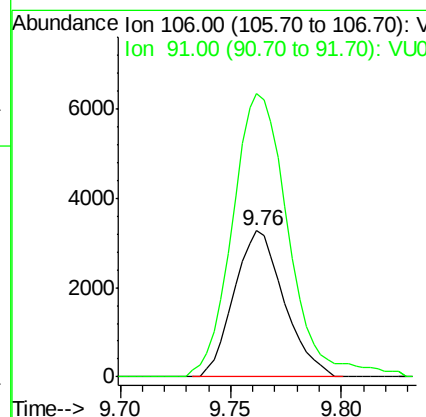
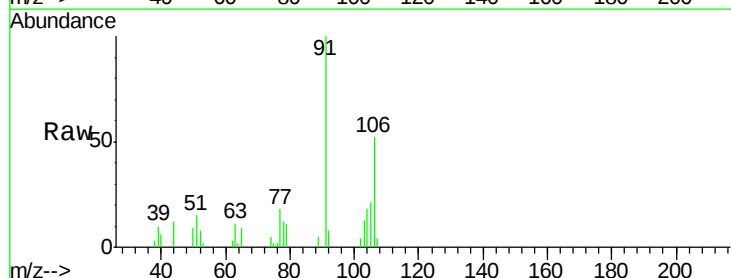
Manual Integrations
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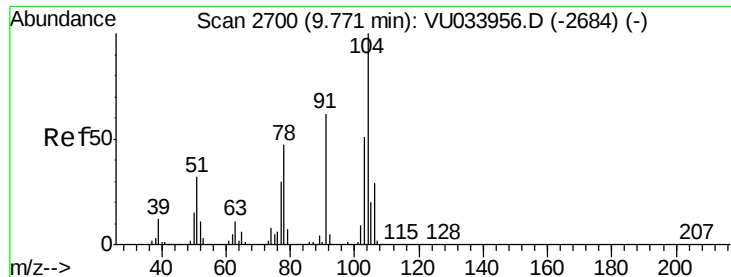
MMDadoda
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#69
o-Xylene
Concen: 0.721 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

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





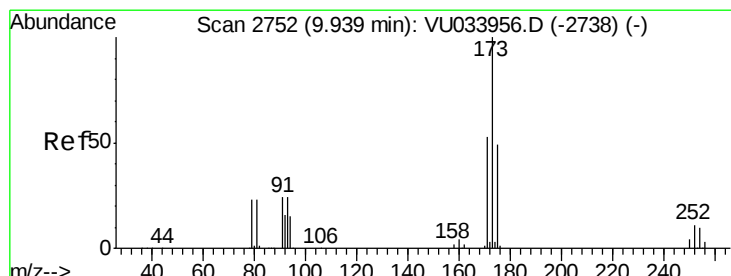
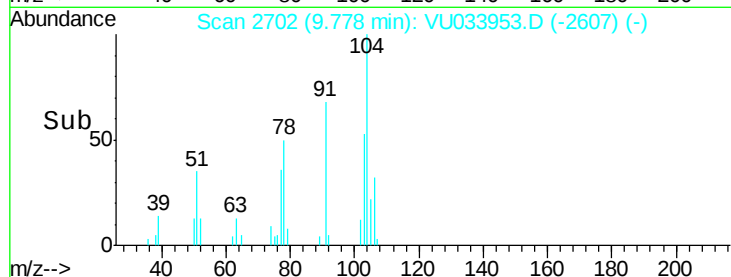
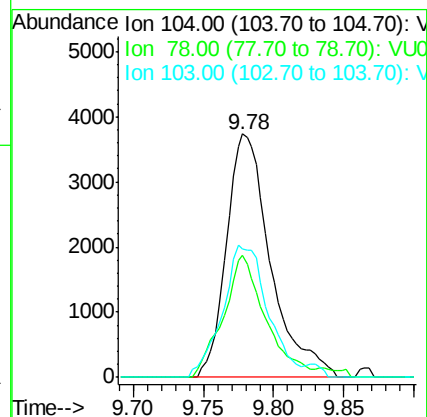
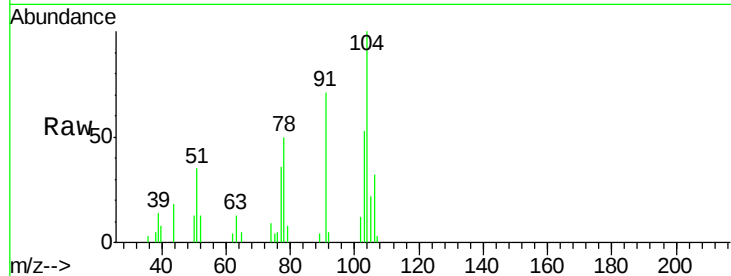
#70
Stvrene
Concen: 0.680 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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

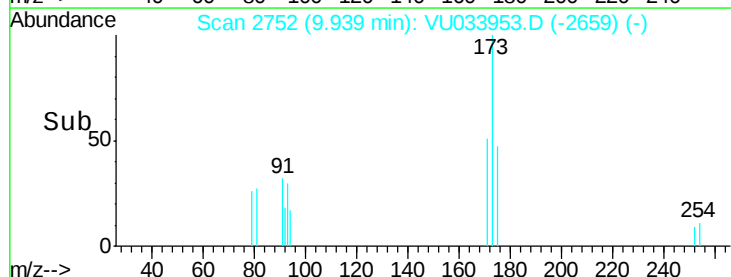
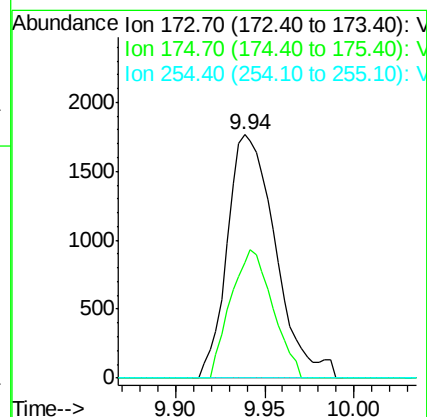
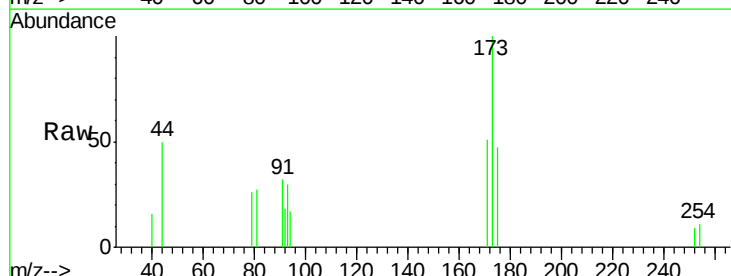
Manual Integrations
APPROVED

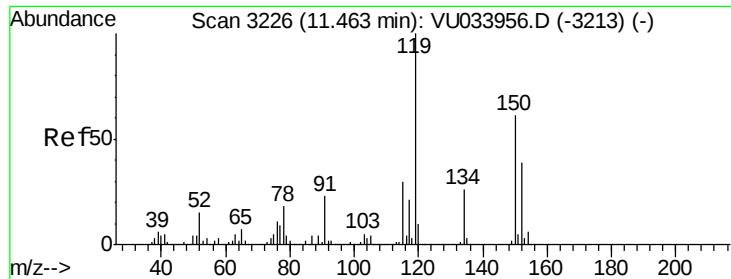
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#71
Bromoform
Concen: 1.081 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion	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

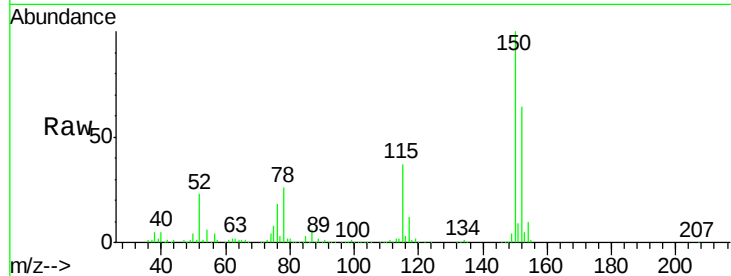
150 157.9 0.0 346.0

Manual Integrations

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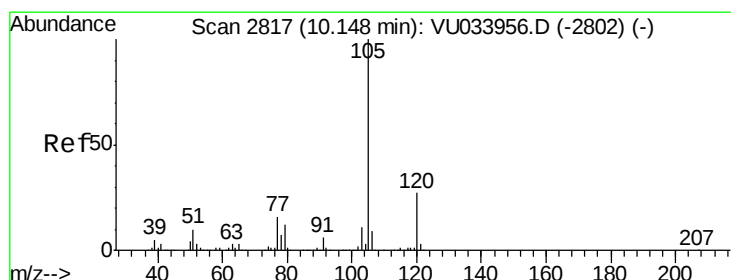
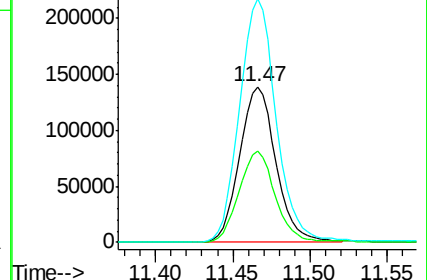
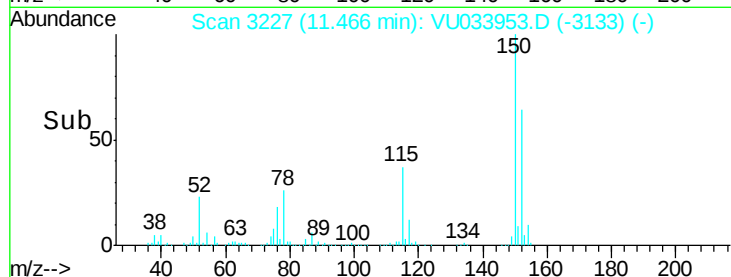
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Abundance Ion 151.90 (151.60 to 152.60): V

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

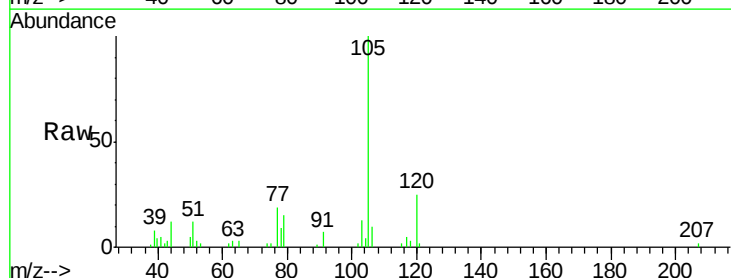
Acq: 26 Aug 2019 16:40

Tgt Ion:105 Resp: 12848

Ion Ratio Lower Upper

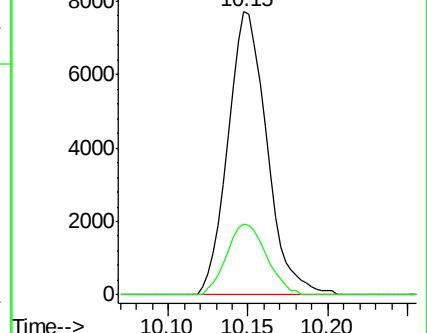
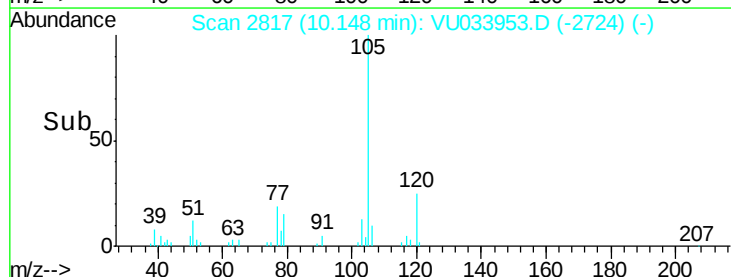
105 100

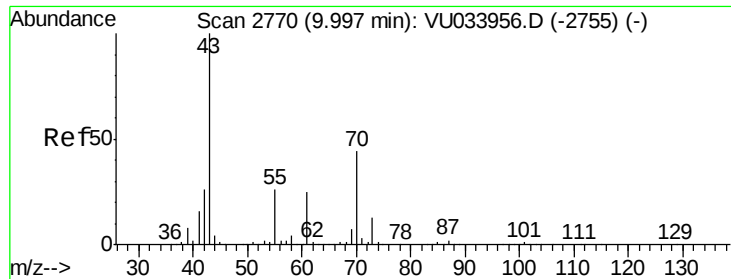
120 25.5 13.3 39.9



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

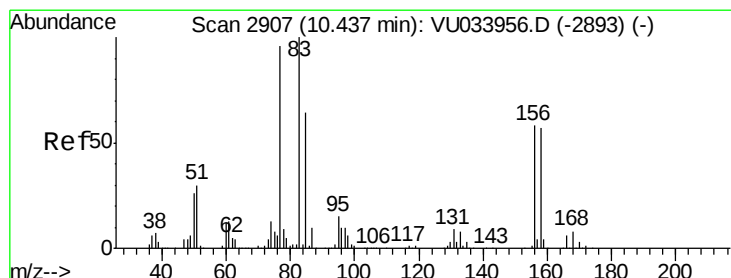
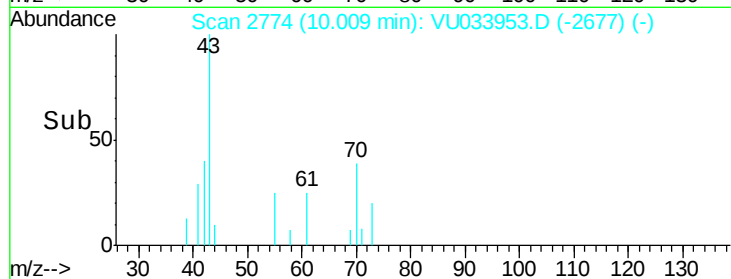
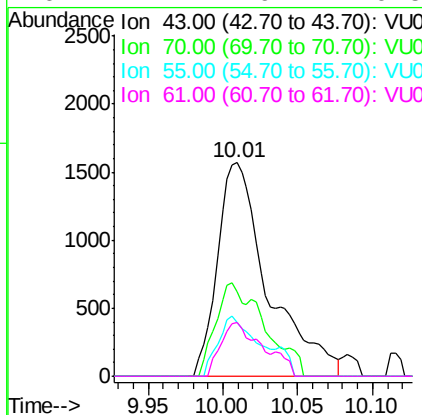
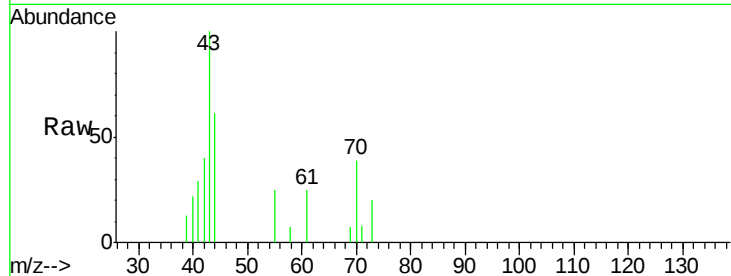
ClientSampleId :

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

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.087 ug/l

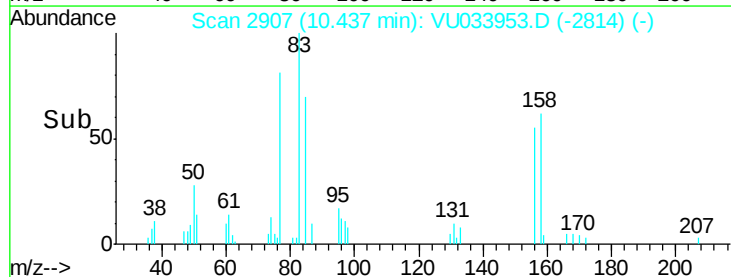
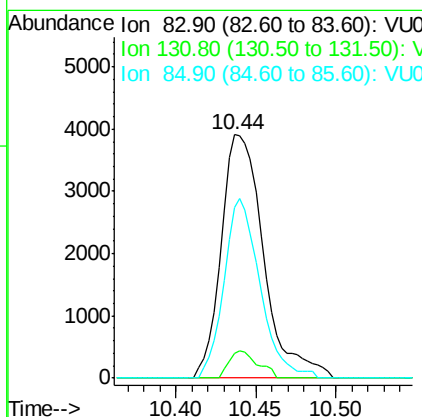
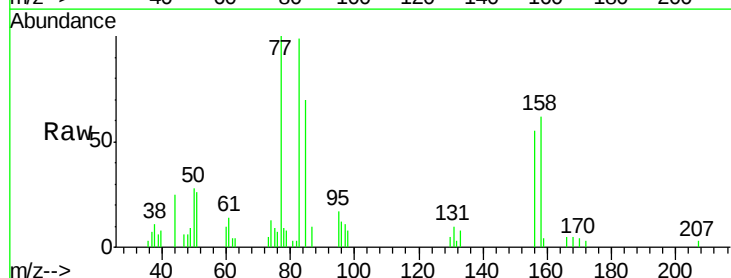
RT: 10.44 min Scan# 2907

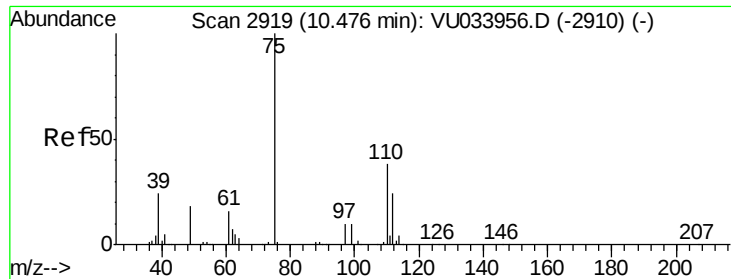
Delta R.T. -0.00 min

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





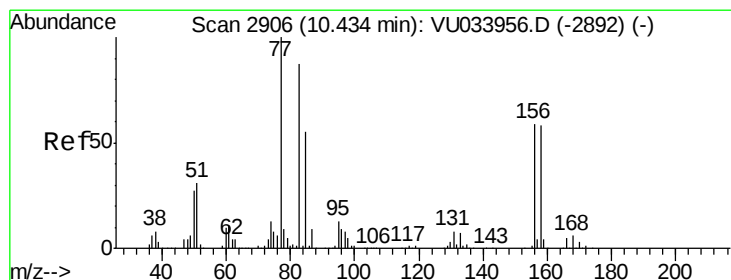
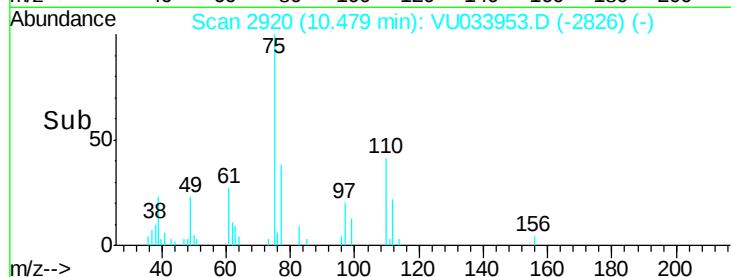
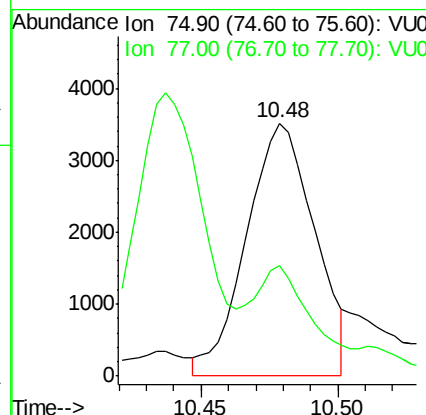
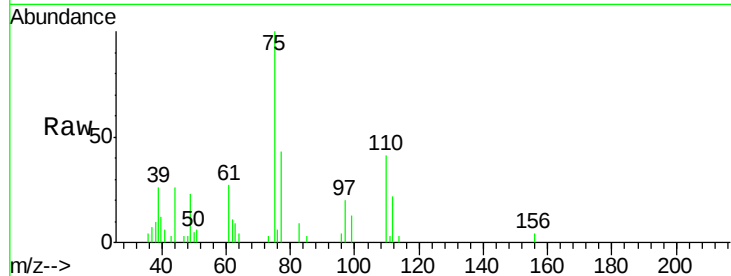
#76
 1,2,3-Trichloropropane
 Concen: 1.074 ug/l m
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 6099
 Ion Ratio Lower Upper
 75 100
 77 24.5 20.1 60.3

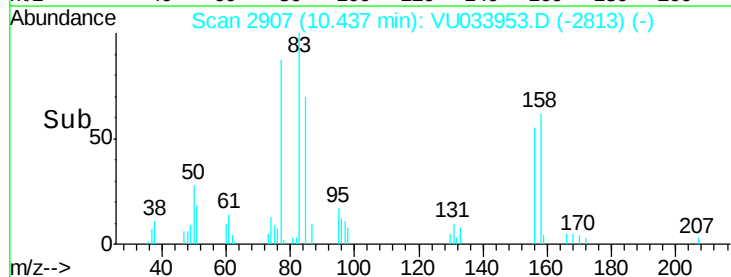
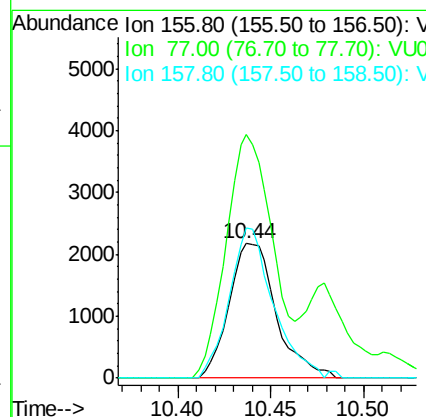
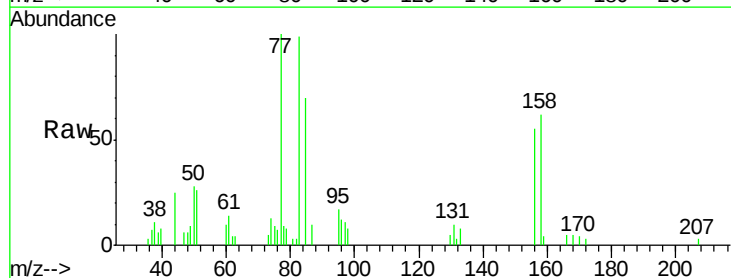
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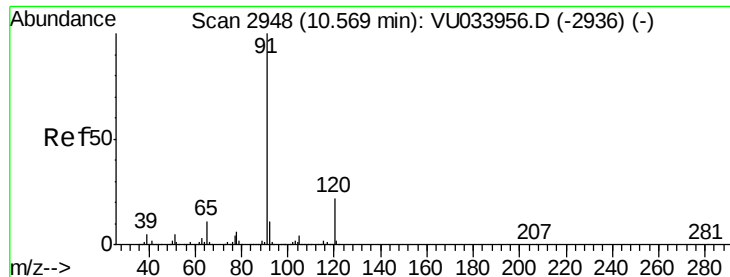
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#77
 Bromobenzene
 Concen: 0.961 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

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

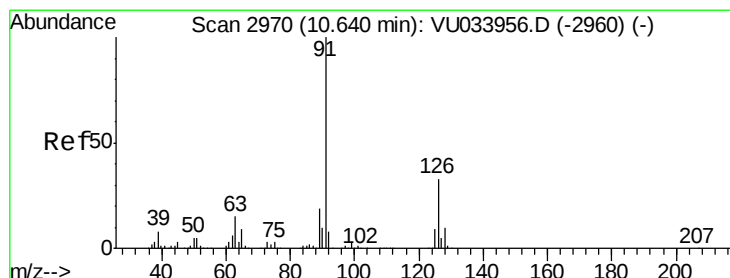
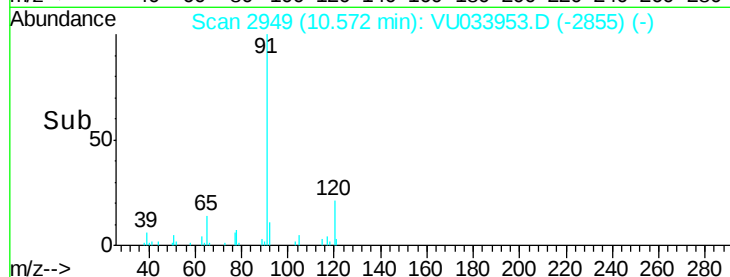
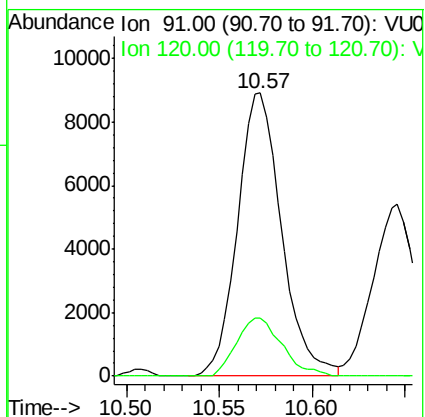
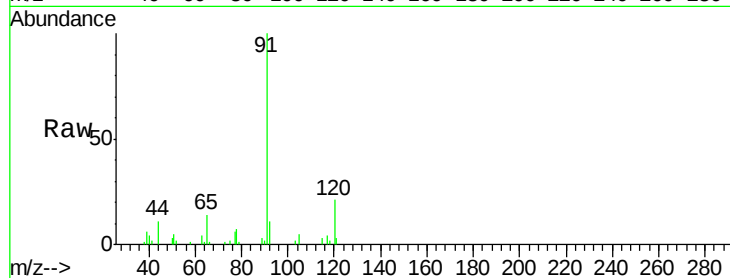
Ion Ratio Lower Upper

91 100

120 21.1 11.2 33.6

Manual Integrations
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#79

2-Chlorotoluene

Concen: 0.782 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.01 min

Lab File: VU033953.D

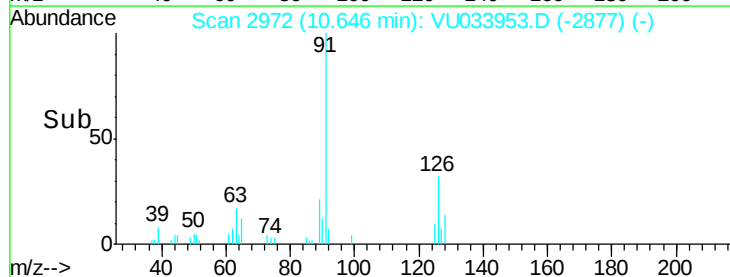
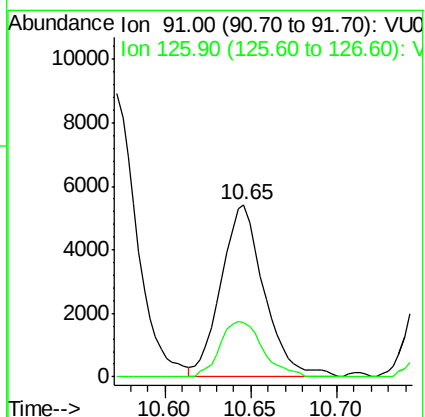
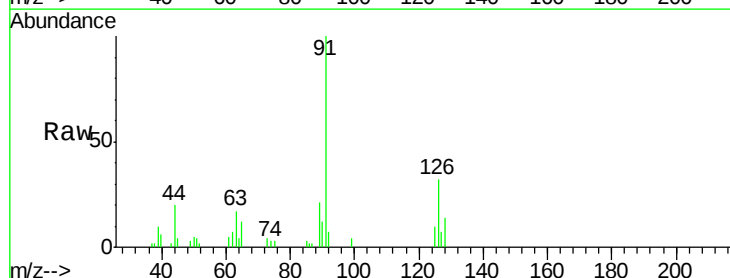
Acq: 26 Aug 2019 16:40

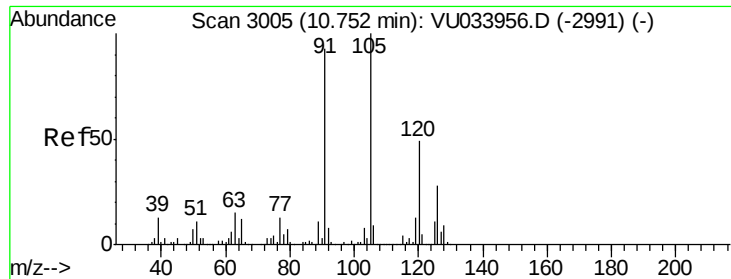
Tgt Ion: 91 Resp: 9476

Ion Ratio Lower Upper

91 100

126 32.0 16.8 50.3





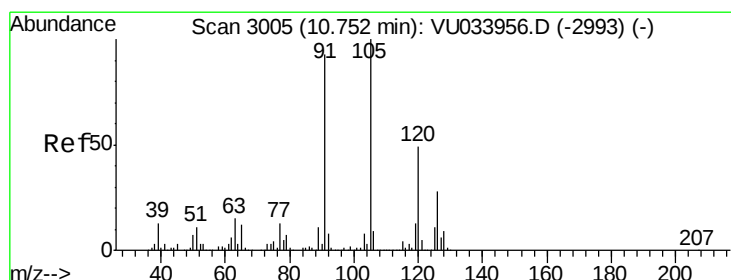
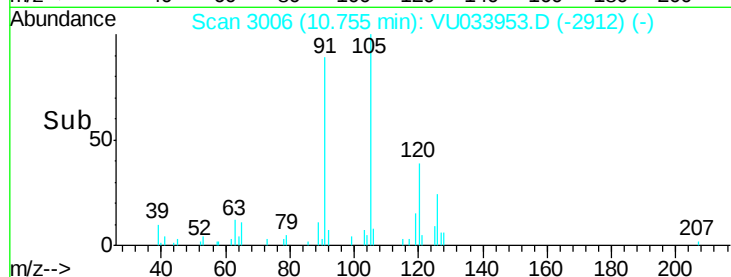
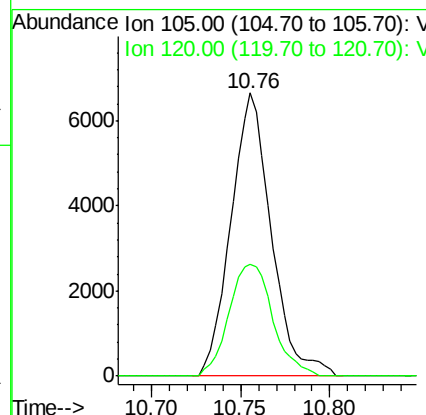
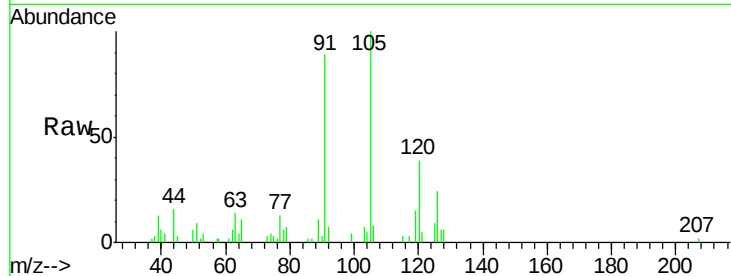
#80
 1,3,5-Trimethylbenzene
 Concen: 0.740 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

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

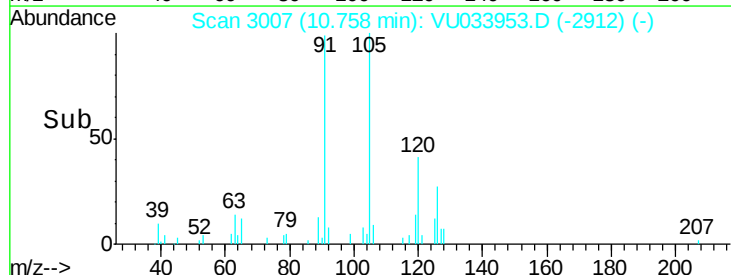
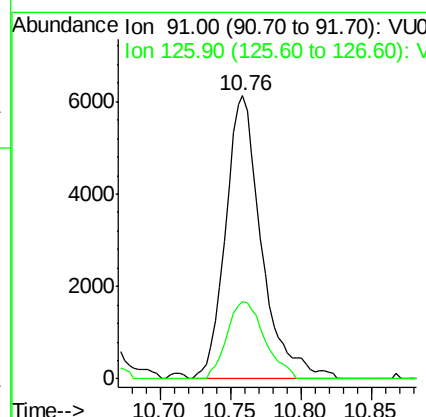
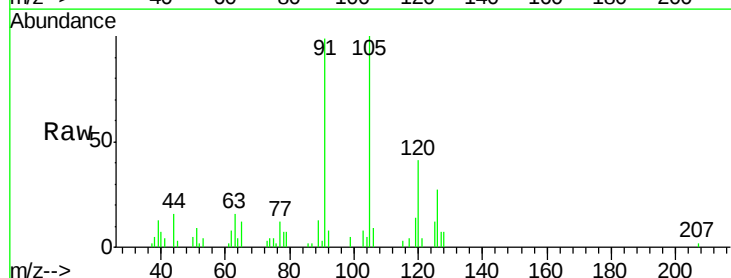
Manual Integrations
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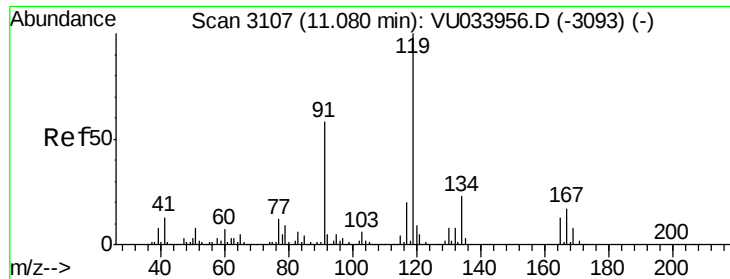
MMDadoda
 8/27/2019 12:16:38 PM



#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

Tgt Ion: 91 Resp: 10919
 Ion Ratio Lower Upper
 91 100
 126 28.4 14.8 44.3





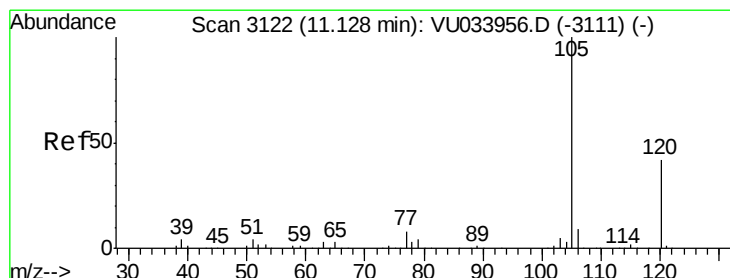
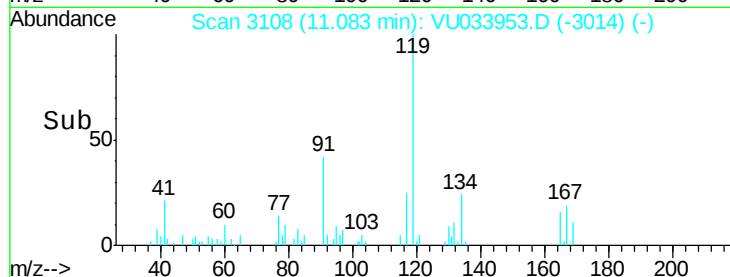
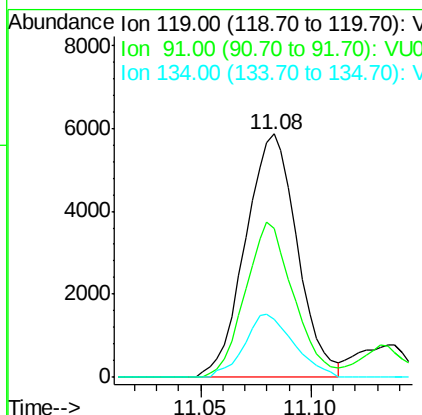
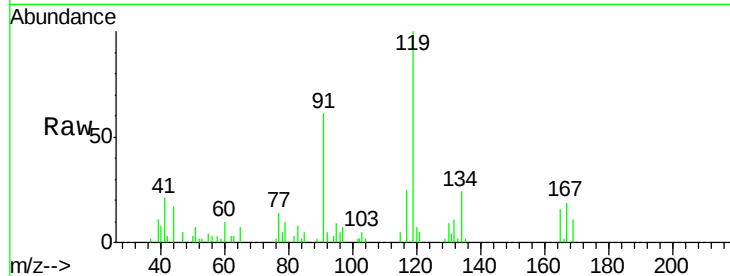
#83
 tert-Butylbenzene
 Concen: 0.701 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	28.6	85.8
134	24.8	11.7	35.0

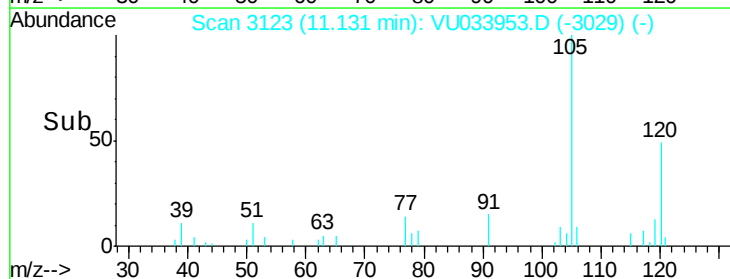
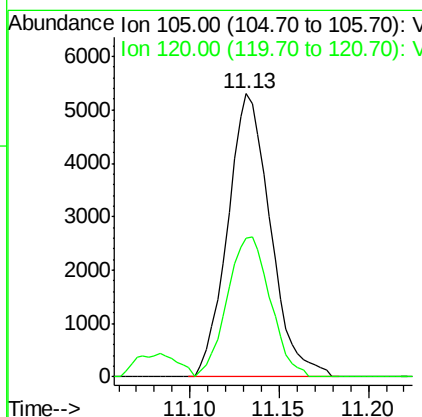
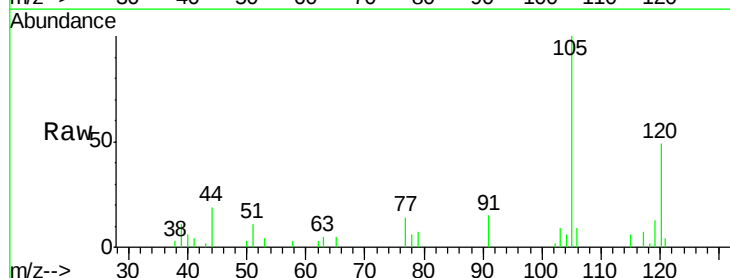
Manual Integrations
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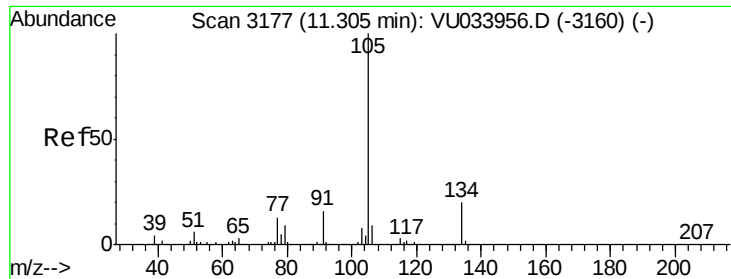
MMDadoda
 8/27/2019 12:16:38 PM



#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

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	23.0	69.0





#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

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 11874

Ion Ratio Lower Upper

105 100

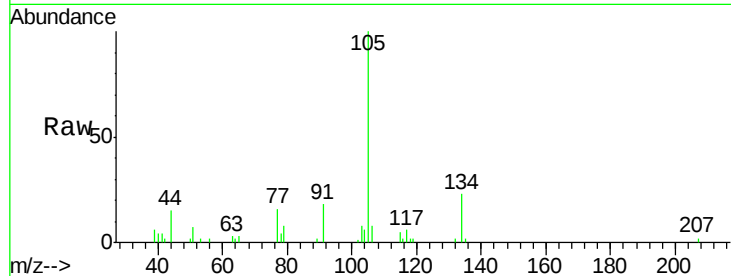
134 21.1 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

8000

6000

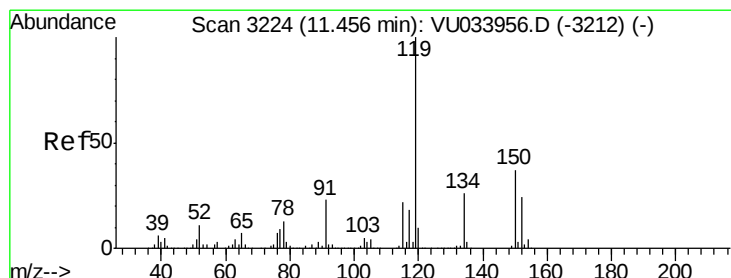
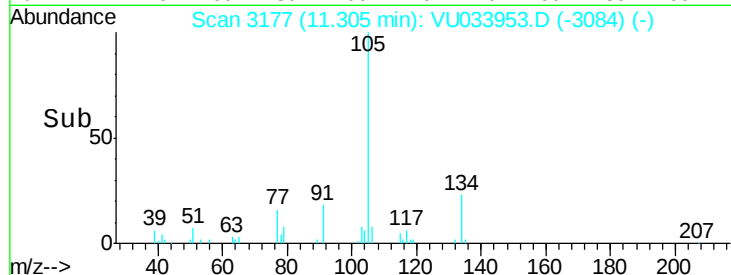
4000

2000

0

11.25 11.30 11.35

Time-->



#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

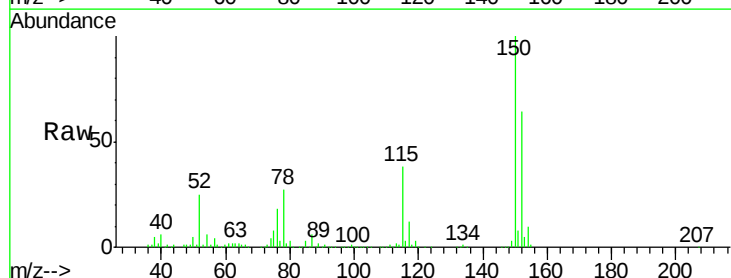
Tgt Ion:119 Resp: 9926

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): VU0

11.46

8000

6000

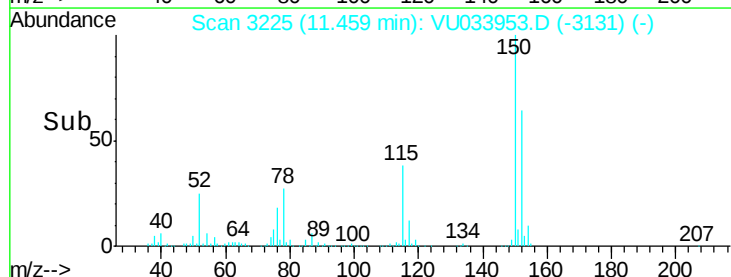
4000

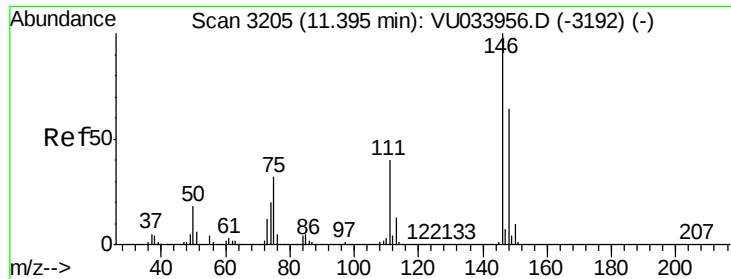
2000

0

11.40 11.45 11.50

Time-->





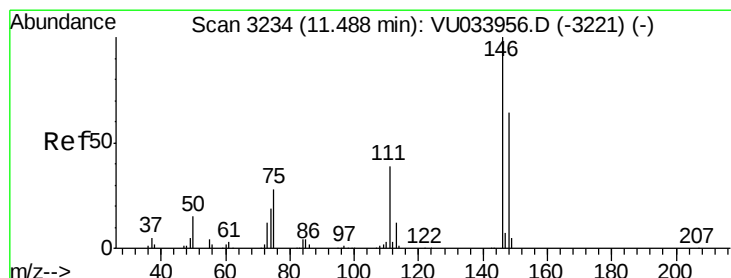
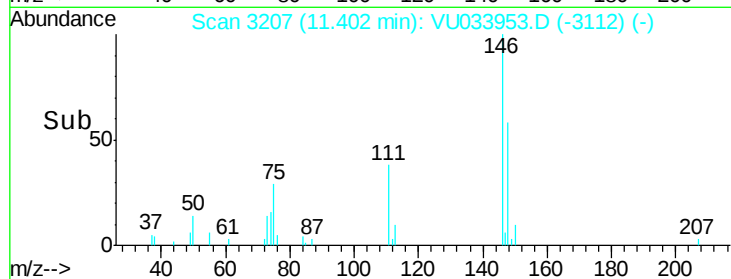
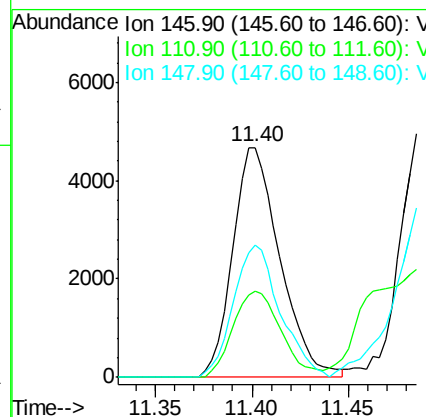
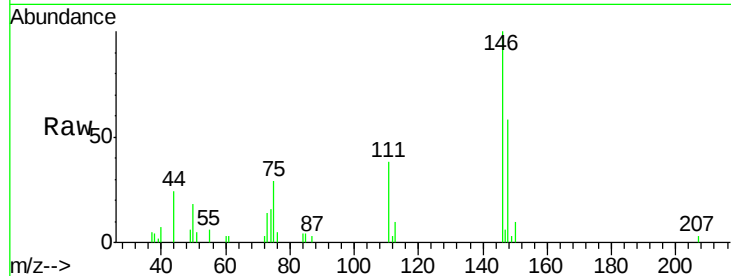
#87
 1,3-Dichlorobenzene
 Concen: 1.046 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.01 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.1	60.2
148	56.8	31.8	95.4

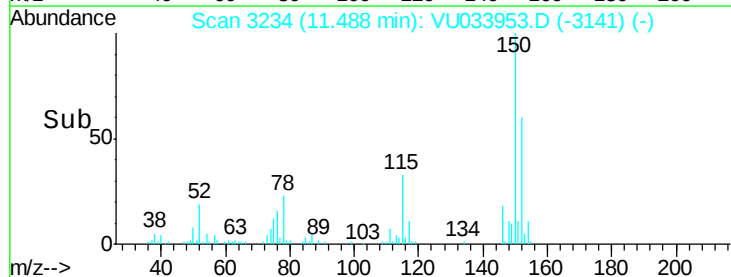
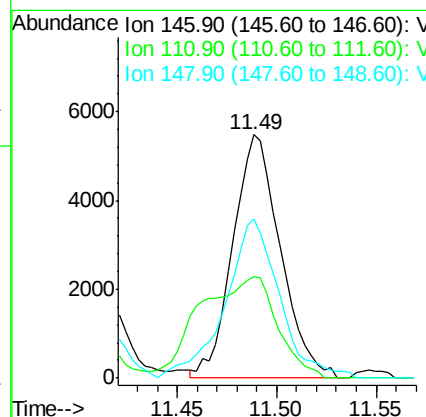
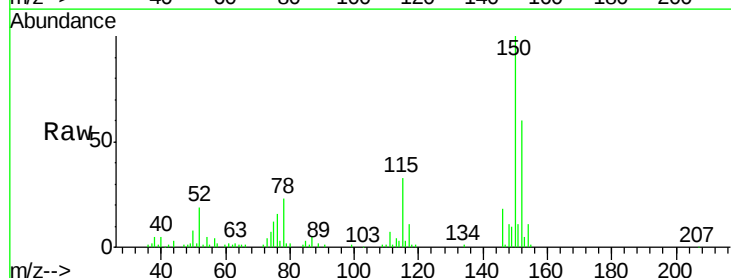
Manual Integrations
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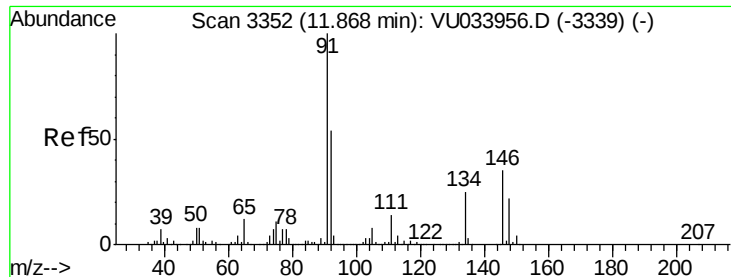
MMDadoda
 8/27/2019 12:16:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.162 ug/l m
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.3	19.8	59.4
148	49.5	32.2	96.6





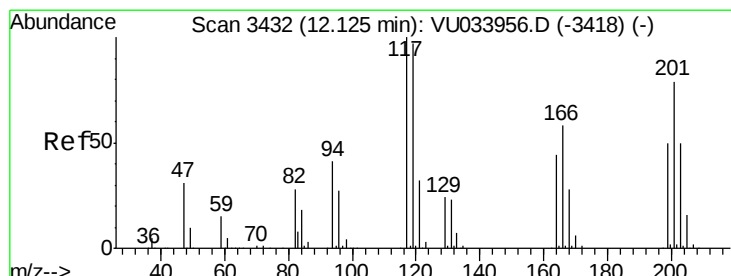
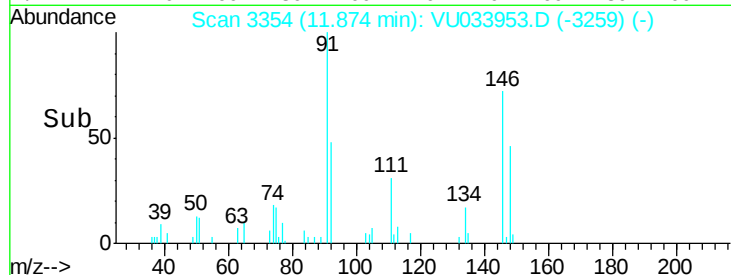
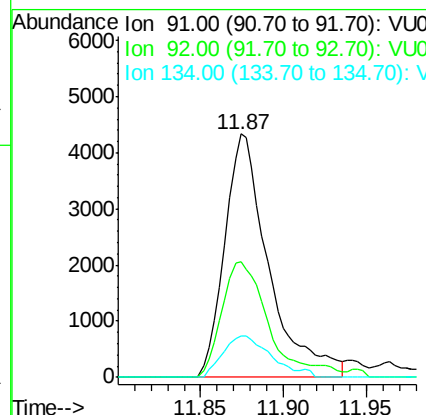
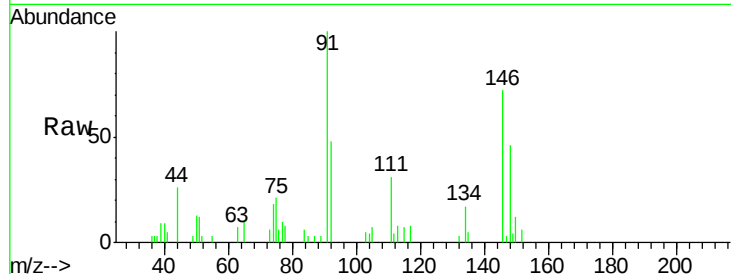
#89
n-Butylbenzene
Concen: 0.536 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. 0.01 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.9	80.6
134	18.7	12.6	37.6

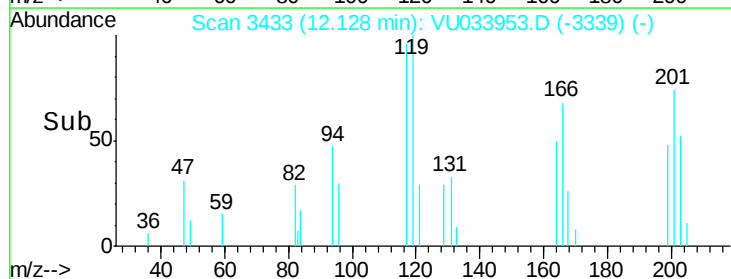
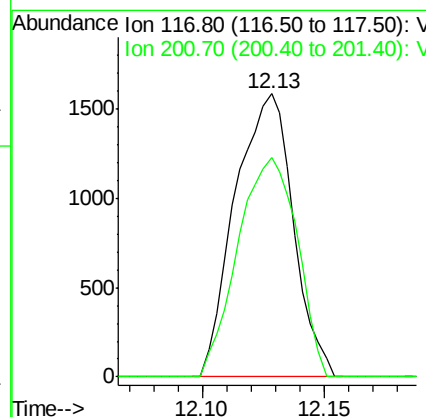
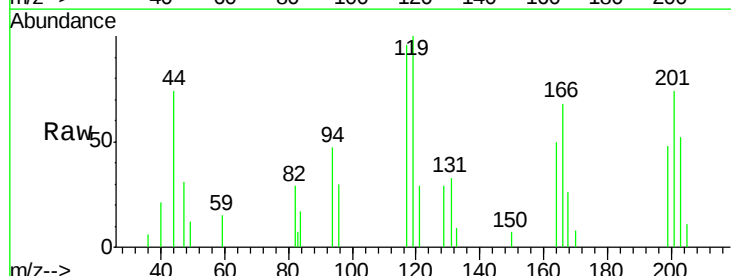
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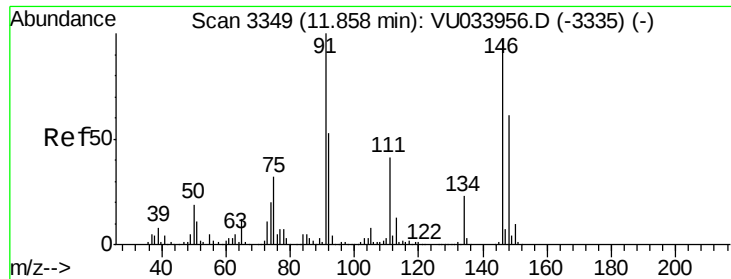
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#90
Hexachloroethane
Concen: 1.128 ug/l
RT: 12.13 min Scan# 3433
Delta R.T. 0.00 min
Lab File: VU033953.D
Acq: 26 Aug 2019 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.6	118.7





#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

Instrument :

MSVOA_U

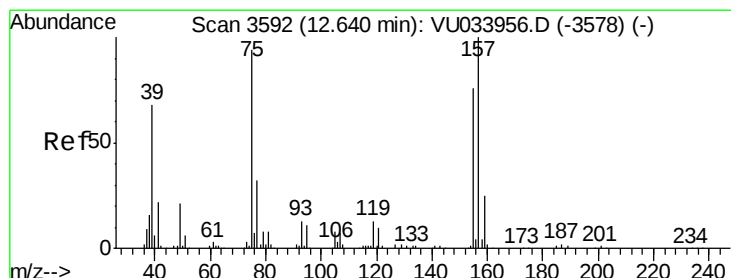
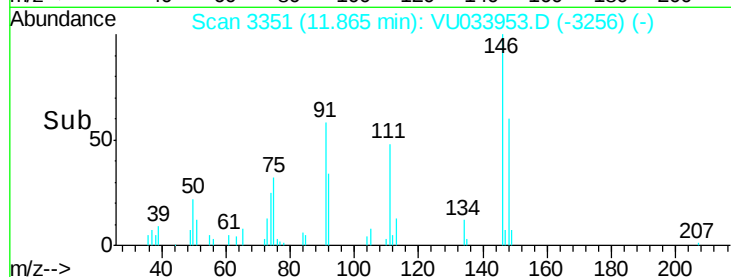
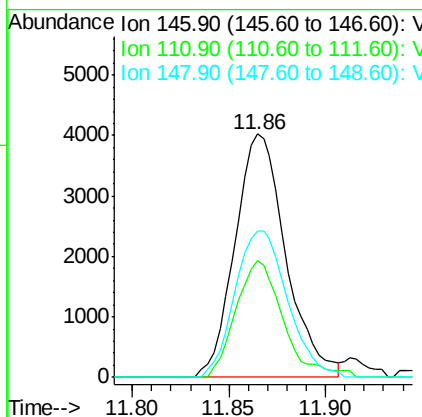
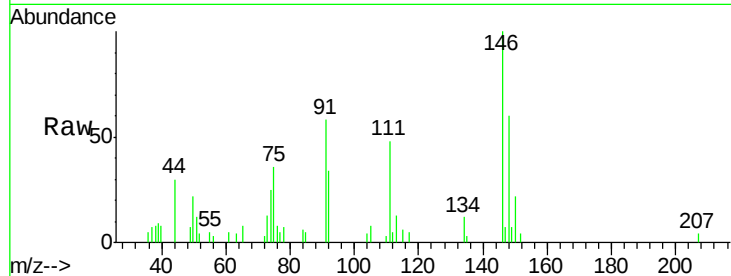
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	7365
Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.1
148	62.1	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.829 ug/l

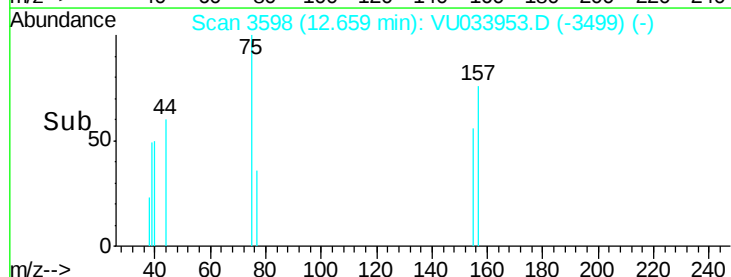
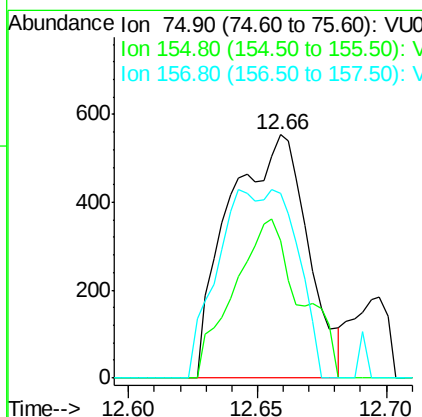
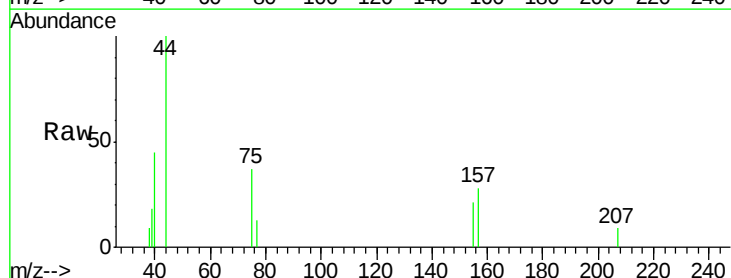
RT: 12.66 min Scan# 3598

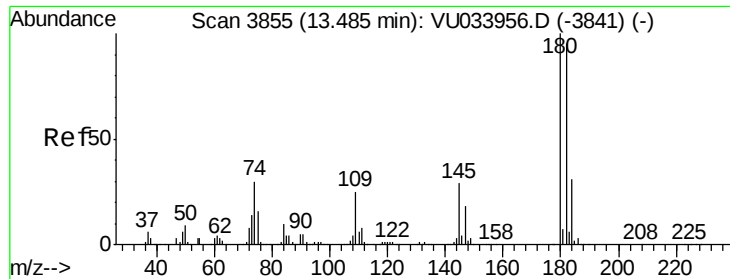
Delta R.T. 0.02 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Tgt Ion:	75	Resp:	1171
Ion	Ratio	Lower	Upper
75	100		
155	55.3	40.0	119.9
157	40.3	51.9	155.7#





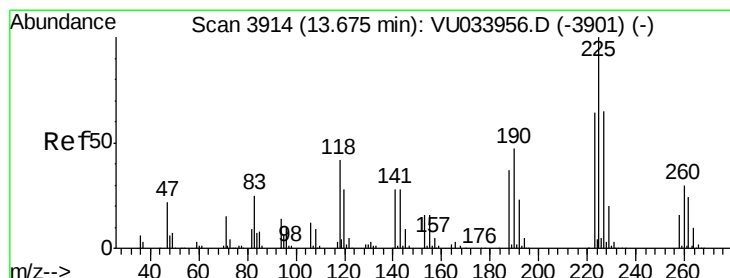
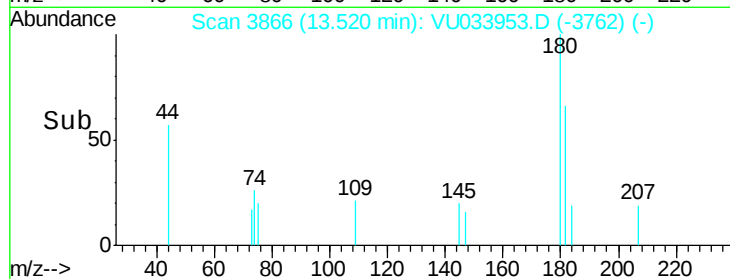
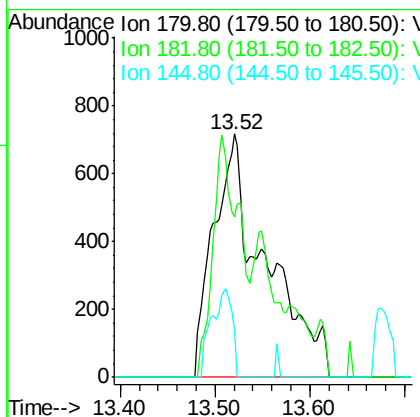
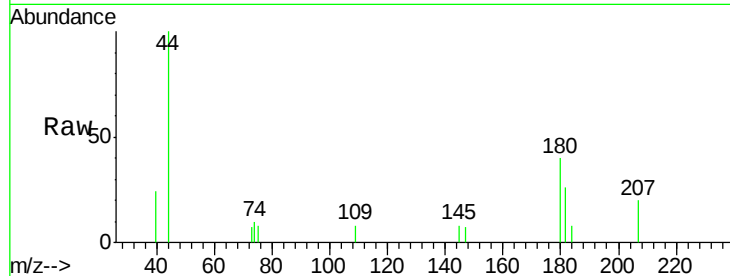
#93
 1,2,4-Trichlorobenzene
 Concen: 0.504 ug/l
 RT: 13.52 min Scan# 3866
 Delta R.T. 0.04 min
 Lab File: VU033953.D
 Acq: 26 Aug 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	36.2	47.4	142.3#
145	14.5	14.2	42.8

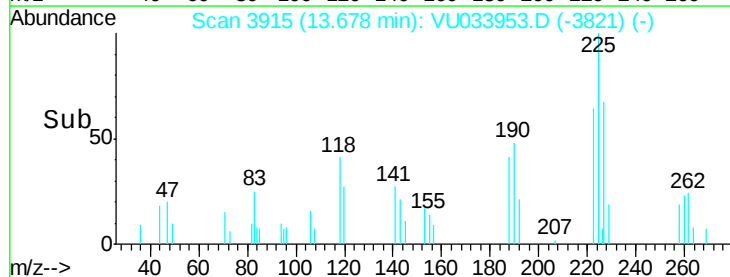
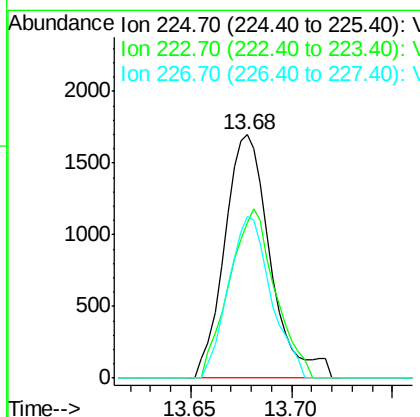
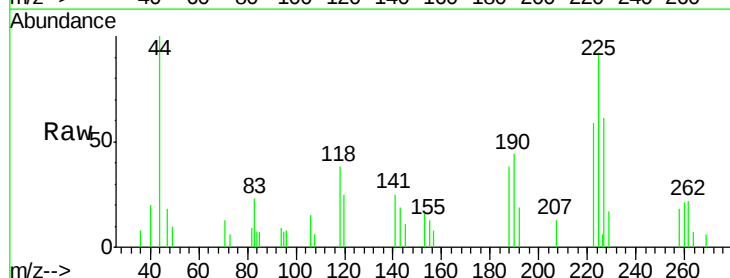
Manual Integrations
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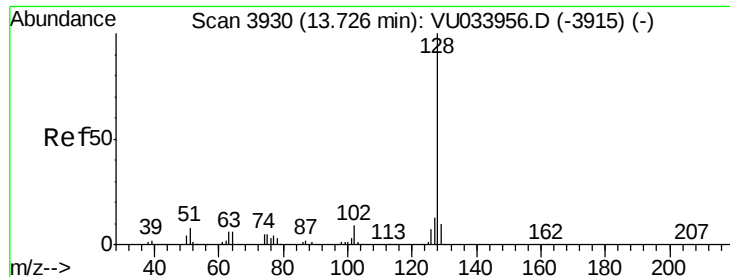
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 8/27/2019 12:16:38 PM



#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

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.5	31.4	94.0
227	62.3	32.3	96.8





#95

Naphthalene

Concen: 0.333 ug/l m

RT: 13.75 min Scan# 3938

Delta R.T. 0.03 min

Lab File: VU033953.D

Acq: 26 Aug 2019 16:40

Instrument :

MSVOA_U

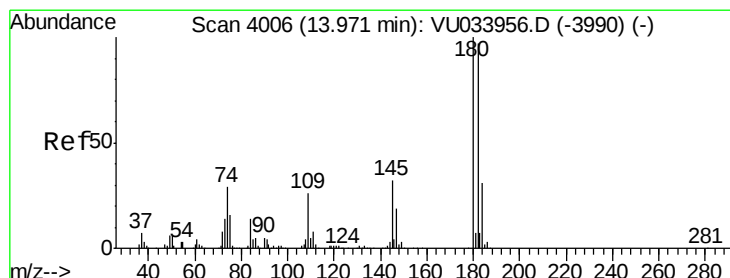
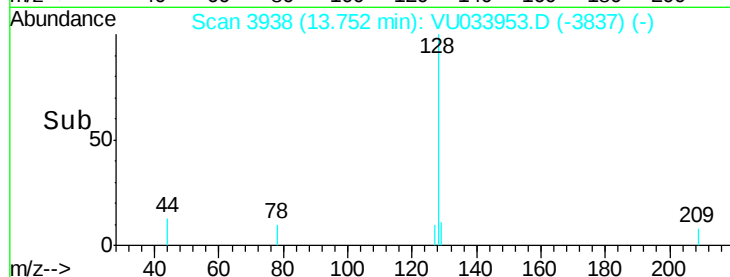
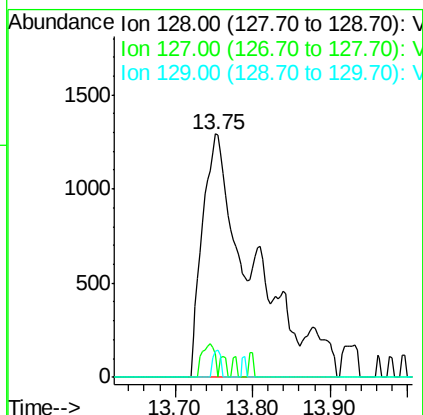
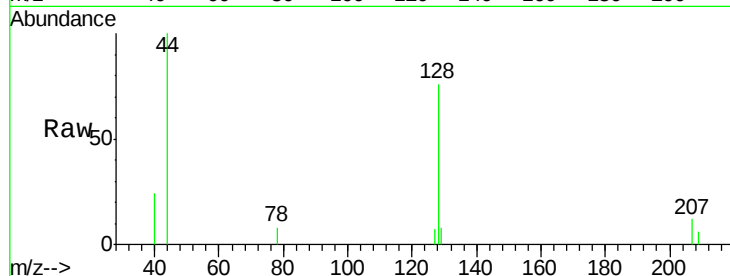
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	5906
Ion Ratio	Lower	Upper	
128	100		
127	0.8	10.1	15.1#
129	0.7	8.3	12.5#

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.555 ug/l m

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:	3012
Ion Ratio	Lower	Upper	
180	100		
182	57.9	48.6	145.8
145	8.9	15.7	47.0#

