

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082719\
 Data File : VU033955.D
 Acq On : 26 Aug 2019 17:27
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:16:56 PM

Quant Time: Aug 27 06:30:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	371597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	594588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	580170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307994	50.00	ug/l	0.00

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

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	132752	16.939	ug/l	96
40) Benzene	5.37	78	373867	19.657	ug/l	99
41) Methacrylonitrile	4.52	41	75855	16.952	ug/l	100
42) 1,2-Dichloroethane	5.38	62	137893	20.544	ug/l	100
43) Isopropyl Acetate	5.52	43	211354	16.384	ug/l	100
44) Trichloroethene	6.16	130	92978	21.498	ug/l	100
45) 1,2-Dichloropropane	6.41	63	101989	19.221	ug/l	99
46) Dibromomethane	6.54	93	65997	20.644	ug/l	98
47) Bromodichloromethane	6.74	83	132603	21.128	ug/l	100
48) Methyl methacrylate	6.60	41	98211	15.409	ug/l	97
49) 1,4-Dioxane	6.59	88	43163	405.044	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	744056	90.230	ug/l	99
52) Toluene	7.62	92	224684	19.998	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	139175	18.885	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	151655	18.944	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	92805	20.769	ug/l	98
56) Ethyl methacrylate	8.00	69	122622	16.349	ug/l	100
57) 1,3-Dichloropropane	8.22	76	167670	20.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	215263	58.382	ug/l	99
59) 2-Hexanone	8.34	43	562595	86.259	ug/l	98
60) Dibromochloromethane	8.46	129	97011	21.763	ug/l	99
61) 1,2-Dibromoethane	8.57	107	98619	20.974	ug/l	98
64) Tetrachloroethene	8.21	164	83913	21.519	ug/l	99
65) Chlorobenzene	9.10	112	237305	19.323	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	89870	22.497	ug/l	97
67) Ethyl Benzene	9.23	91	395348	17.634	ug/l	99
68) m/p-Xylenes	9.36	106	304630	37.249	ug/l	100
69) o-Xylene	9.76	106	138057	17.418	ug/l	97
70) Styrene	9.77	104	249576	18.802	ug/l	99
71) Bromoform	9.94	173	73257	21.562	ug/l #	97
73) Isopropylbenzene	10.15	105	385215	16.653	ug/l	100
74) N-amyl acetate	10.00	43	161134	12.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159953	18.014	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	143094m	18.533	ug/l	
77) Bromobenzene	10.43	156	99797	18.266	ug/l	99
78) n-propylbenzene	10.57	91	462727	16.177	ug/l	100
79) 2-Chlorotoluene	10.64	91	281792	17.098	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	337445	17.571	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	53630m	15.938	ug/l	
82) 4-Chlorotoluene	10.75	91	325365	16.611	ug/l	100
83) tert-Butylbenzene	11.08	119	295712	16.013	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	329010	16.660	ug/l	100
85) sec-Butylbenzene	11.31	105	378932	16.060	ug/l	99
86) p-Isopropyltoluene	11.46	119	348011	17.129	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	185235	17.936	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	185150	17.363	ug/l	98
89) n-Butylbenzene	11.87	91	313421	15.434	ug/l	98
90) Hexachloroethane	12.13	117	64452	20.459	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	177278	17.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32559	16.947	ug/l	99

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

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

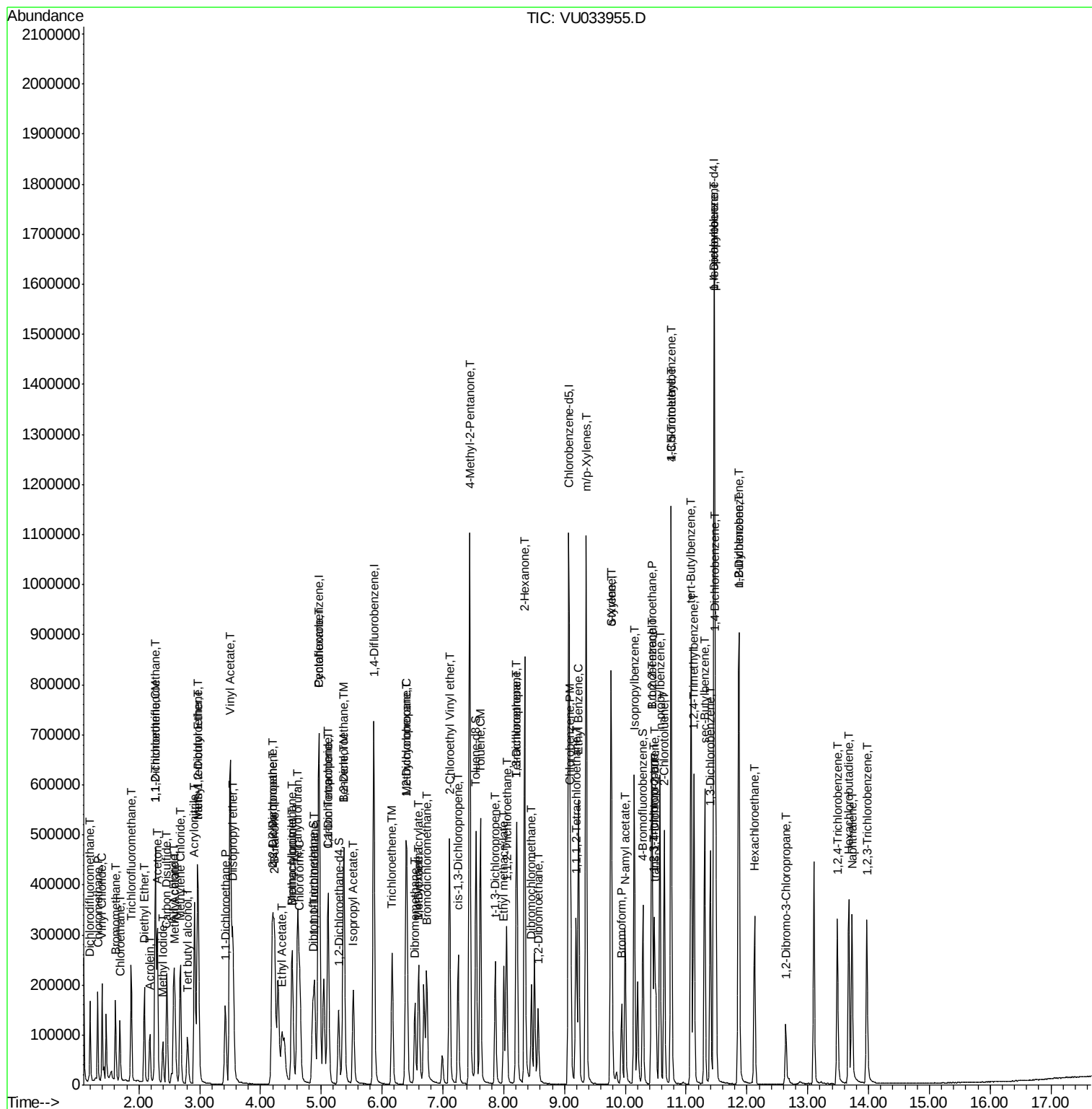
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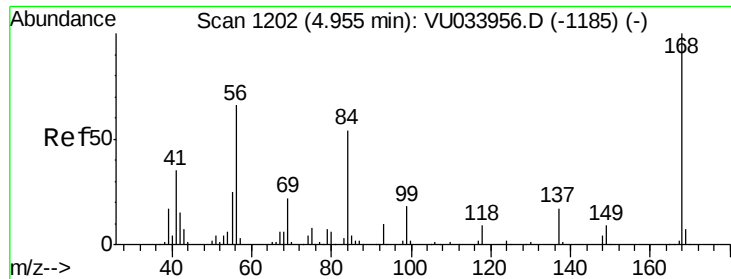
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 371597

Ion Ratio Lower Upper

168 100

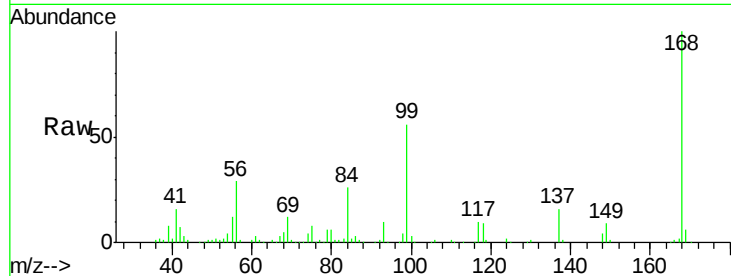
99 56.2 45.5 68.3

Manual Integrations

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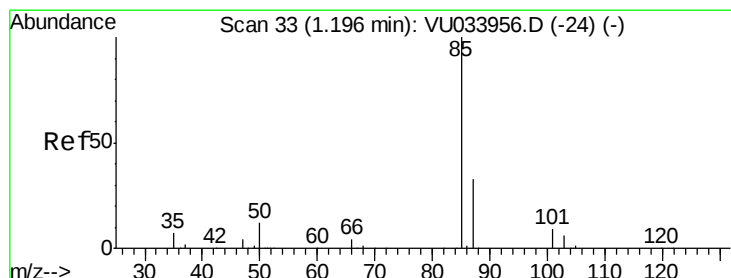
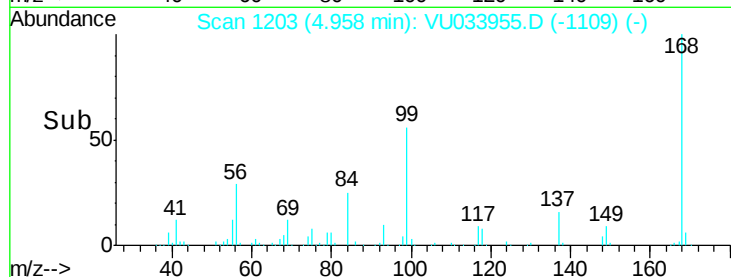
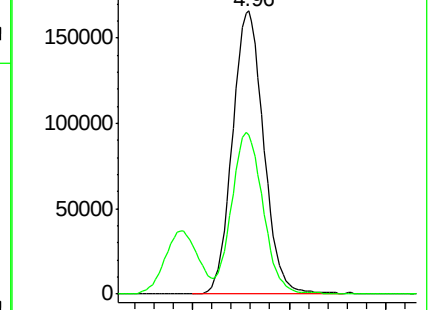
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033955.D (-1109) (-)



#2

Dichlorodifluoromethane

Concen: 18.589 ug/l

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033955.D

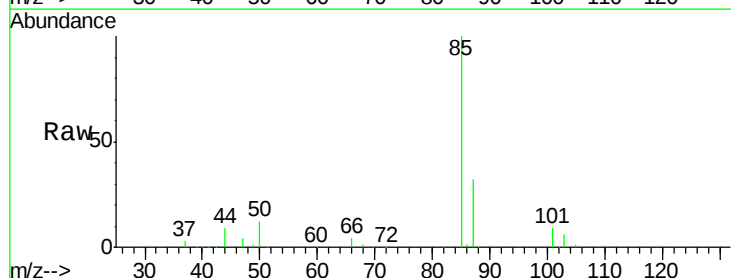
Acq: 26 Aug 2019 17:27

Tgt Ion: 85 Resp: 90884

Ion Ratio Lower Upper

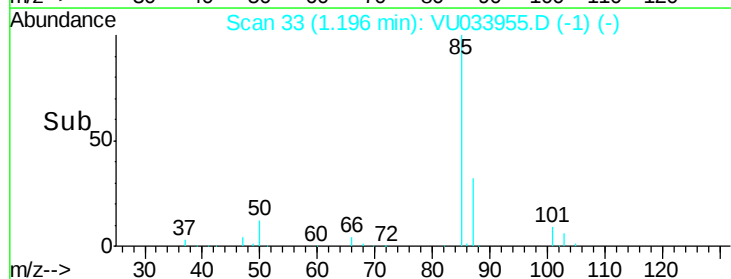
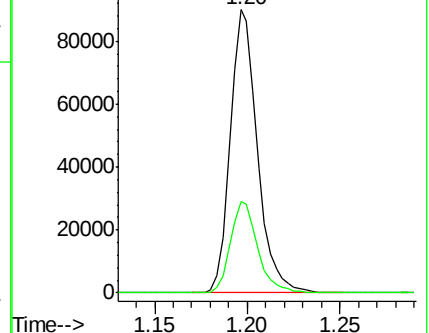
85 100

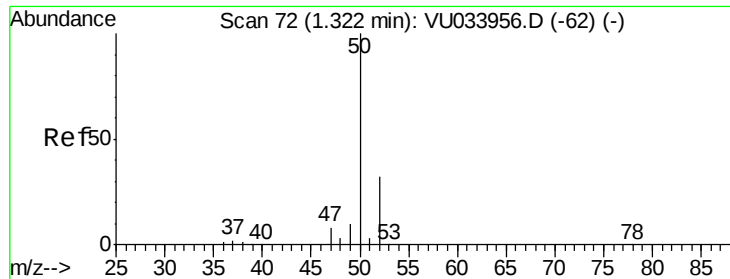
87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033956.D (-24) (-)

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





#3

Chloromethane

Concen: 12.586 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 108026

Ion Ratio Lower Upper

50 100

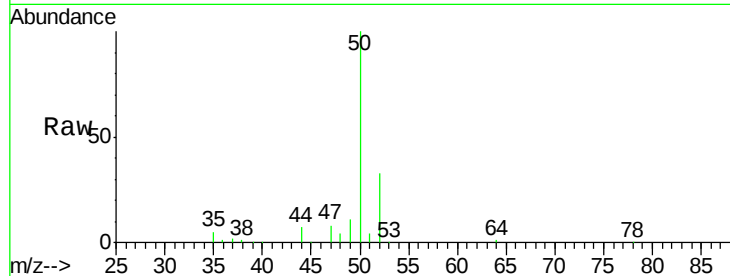
52 32.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU033955.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033955.D (-1) (-)

1.32

1.32

1.32

1.32

1.32

1.32

1.32

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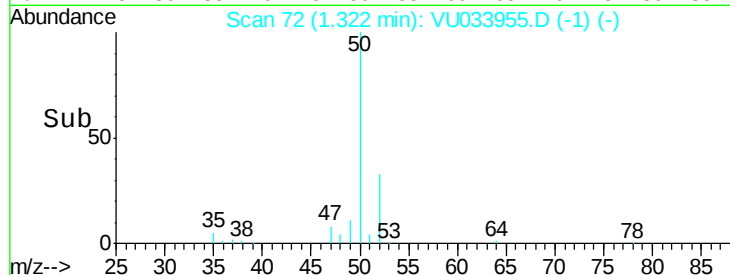
1.32

1.32

1.32

1.32

1.32



#4

Vinyl Chloride

Concen: 17.974 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033955.D

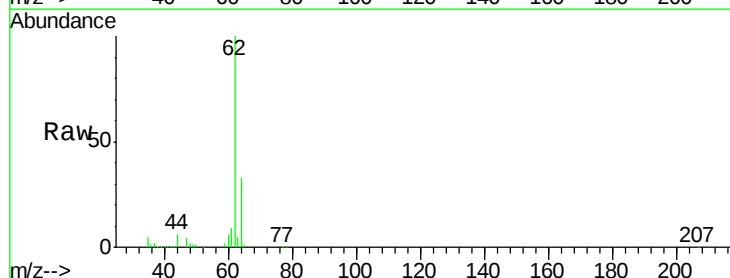
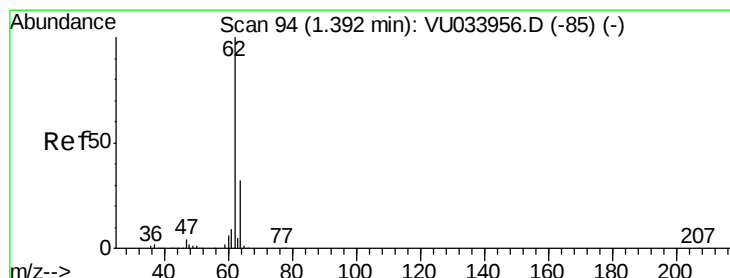
Acq: 26 Aug 2019 17:27

Tgt Ion: 62 Resp: 116385

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033955.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU033955.D (-1) (-)

1.40

1.40

1.40

1.40

1.40

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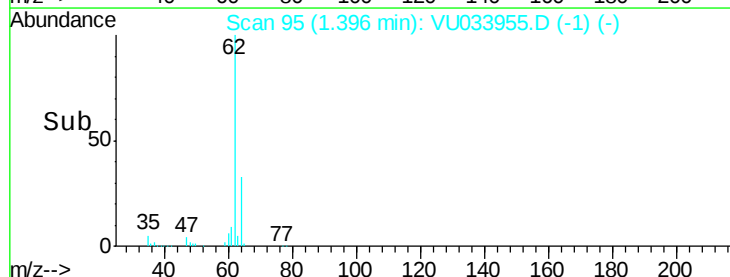
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1.40

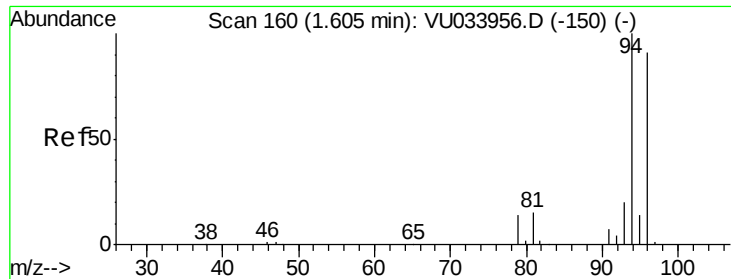
1.40

1.40

1.40



Time-->



#5

Bromomethane

Concen: 26.914 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.01 min

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Tot Ion: 94 Resp: 73042

Ion Ratio Lower Upper

94 100

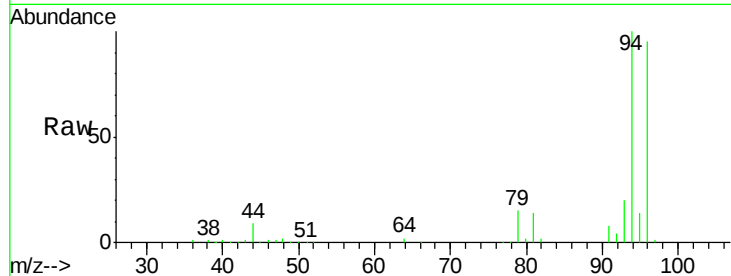
96 94.7 73.2 109.8

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Abundance Ion 93.90 (93.60 to 94.60): VU033955.D (-67) (-)

Ion 95.90 (95.60 to 96.60): VU033955.D (-67) (-)

1.61

60000

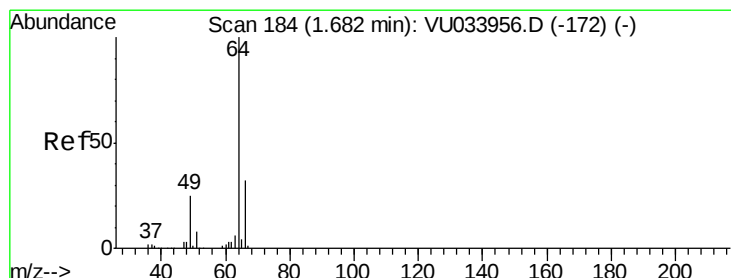
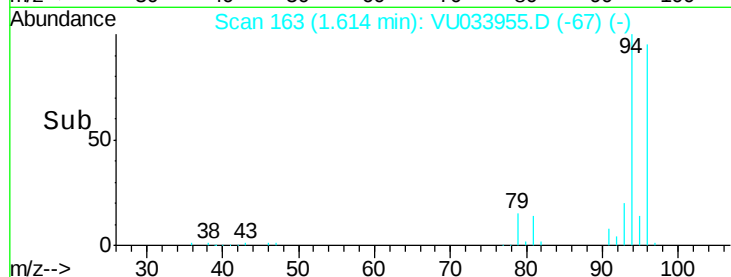
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 20.017 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU033955.D

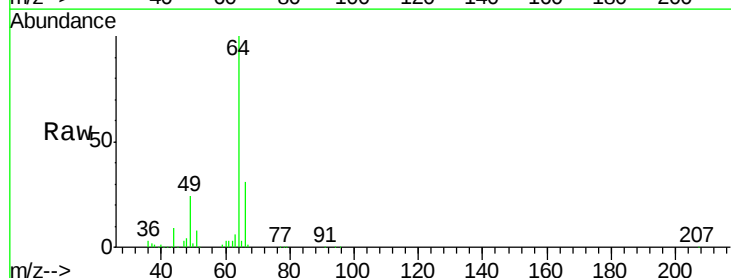
Acq: 26 Aug 2019 17:27

Tgt Ion: 64 Resp: 74047

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033955.D (-91) (-)

Ion 65.90 (65.60 to 66.60): VU033955.D (-91) (-)

1.69

60000

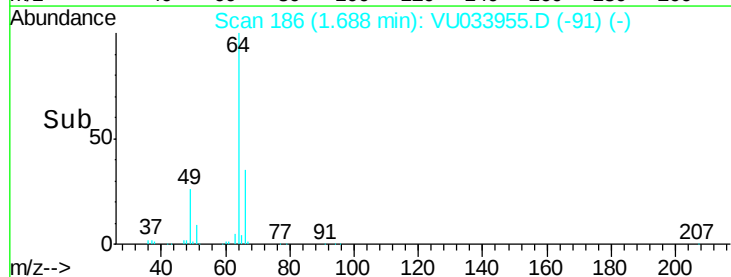
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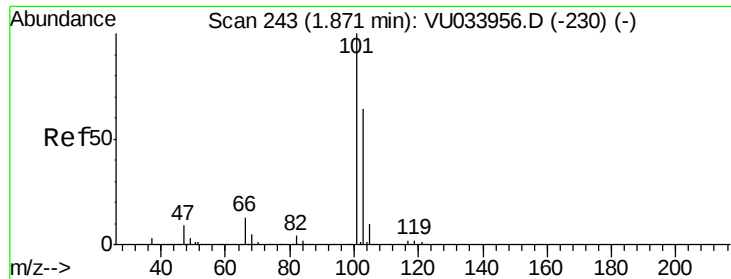
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Time-->

1.65 1.70 1.75





#7

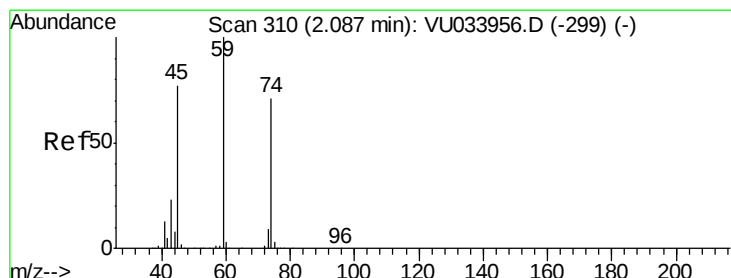
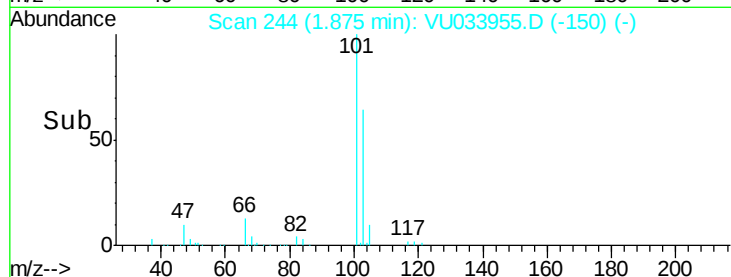
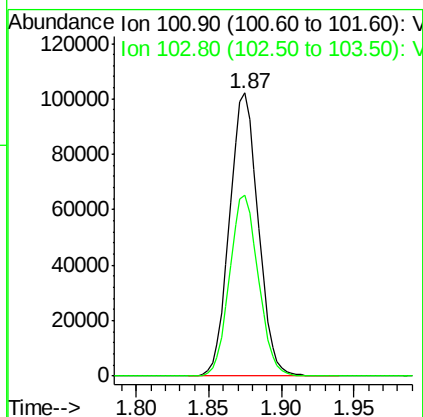
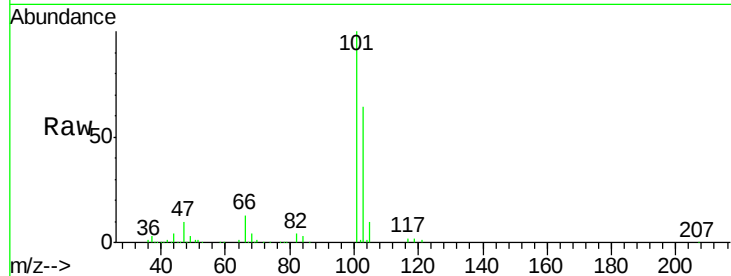
Trichlorofluoromethane
 Concen: 20.195 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.00 min
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	140208		
103	63.9	51.5	77.3	

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 APPROVED

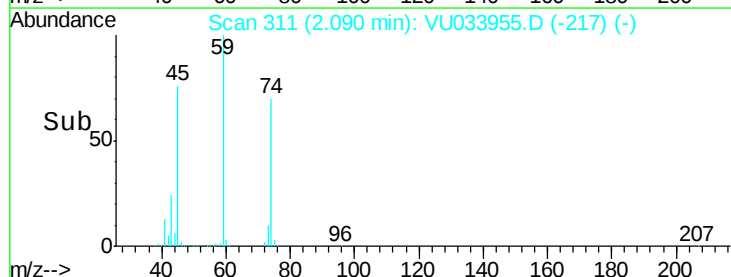
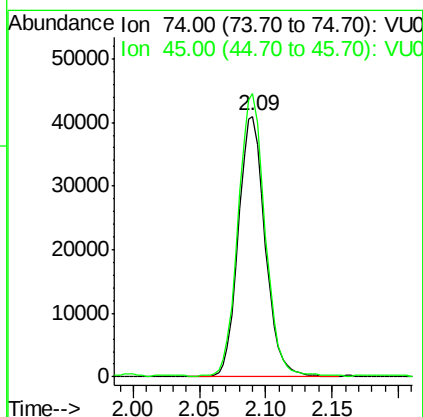
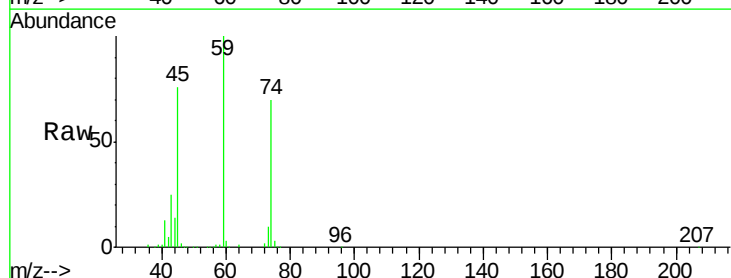
MMDadoda
 8/27/2019 12:16:56 PM

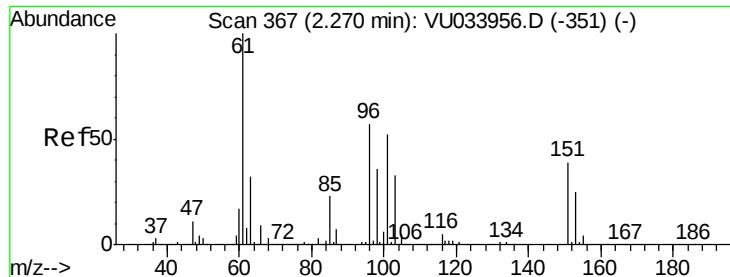


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.075 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

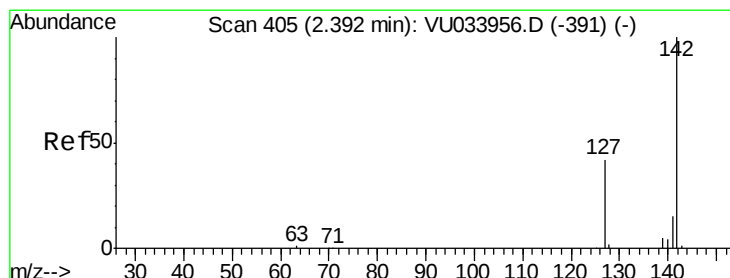
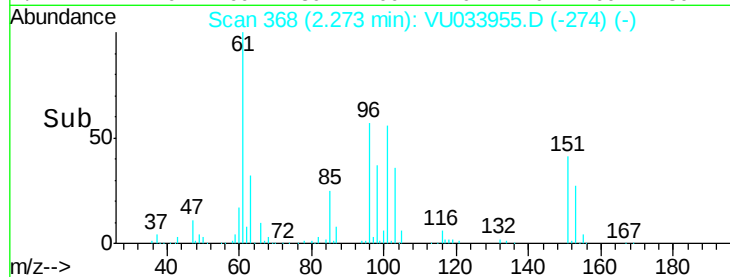
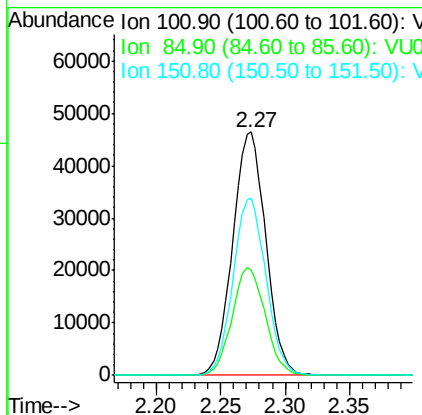
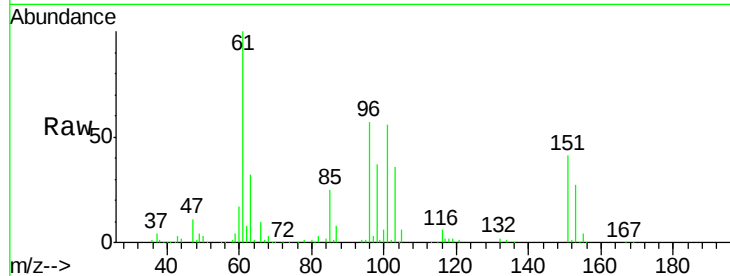
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	82935
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.0	52.6
151	72.3	57.9	86.9

Manual Integrations
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#10

Methyl Iodide

Concen: 20.858 ug/l

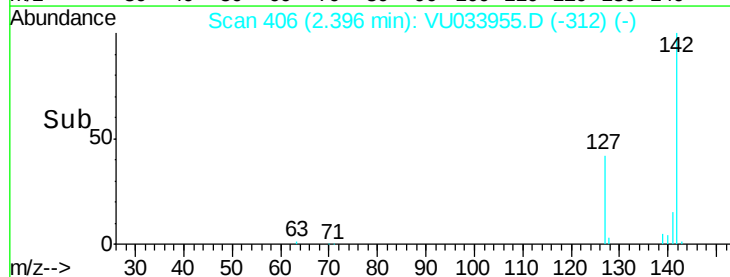
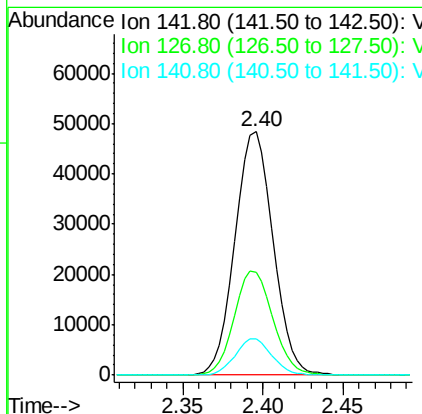
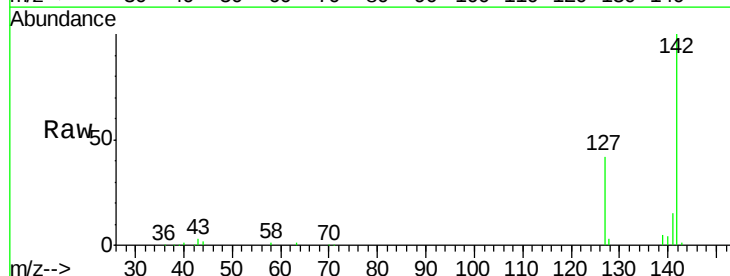
RT: 2.40 min Scan# 406

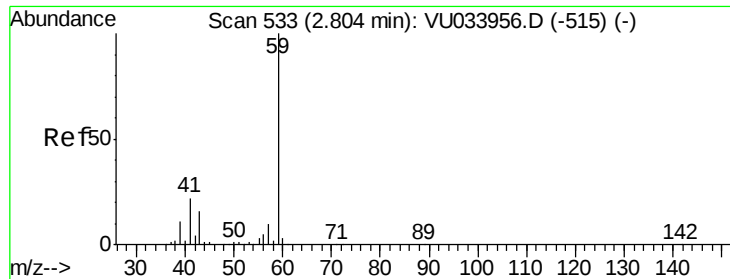
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion:	142	Resp:	78678
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.3	51.5
141	14.2	11.8	17.6





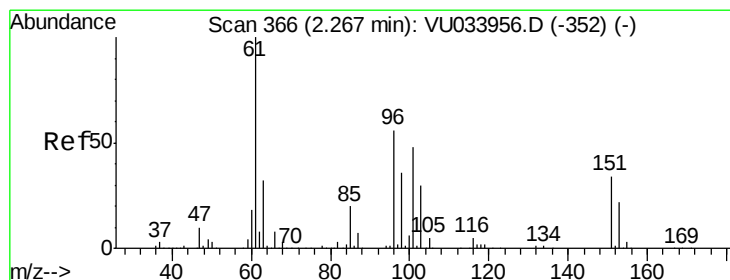
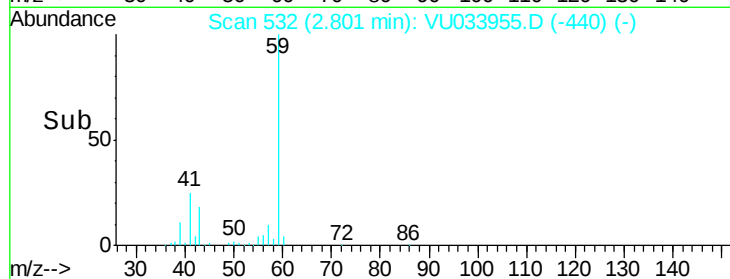
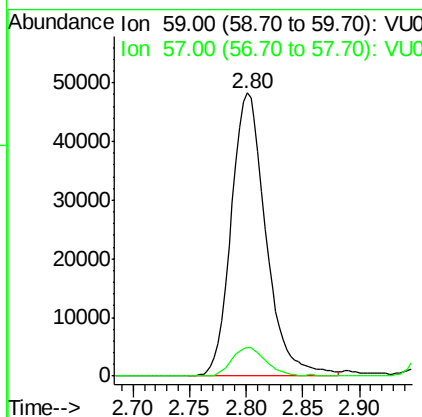
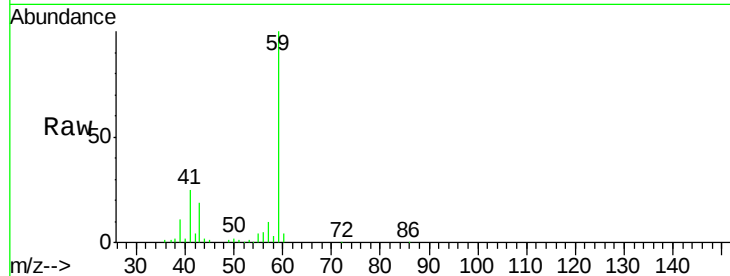
#11
Tert butyl alcohol
Concen: 83.505 ug/l
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

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

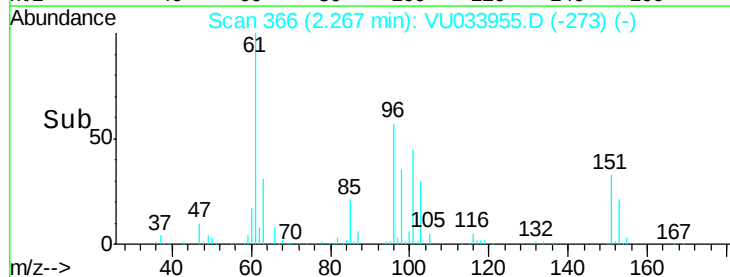
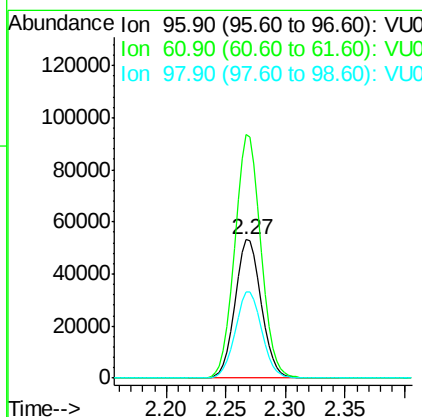
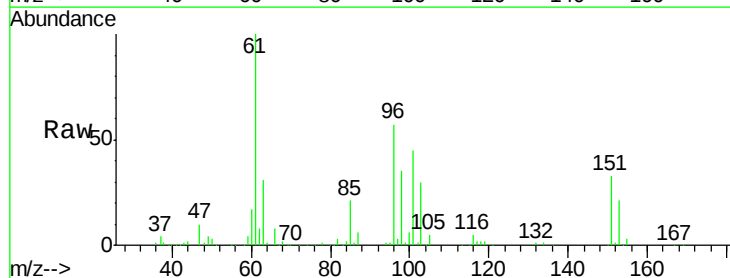
Manual Integrations
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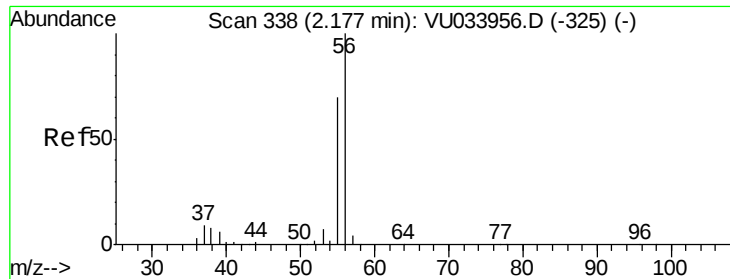
MMDadoda
8/27/2019 12:16:56 PM



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

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





#13

Acrolein

Concen: 69.371 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 65141

Ion Ratio Lower Upper

56 100

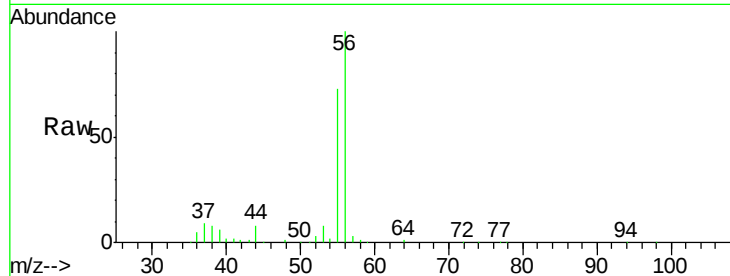
55 71.5 56.3 84.5

Manual Integrations

APPROVED

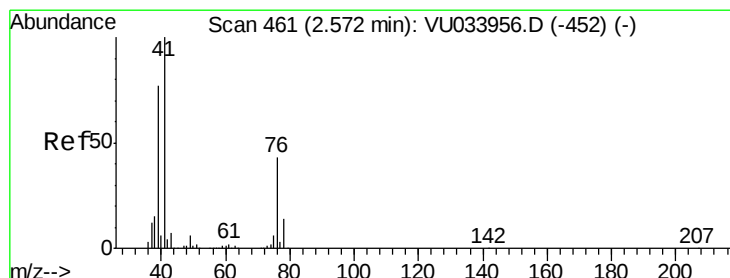
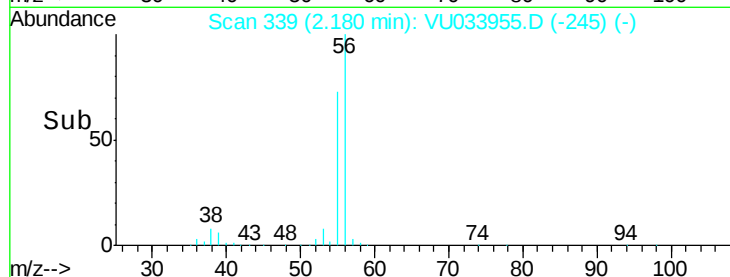
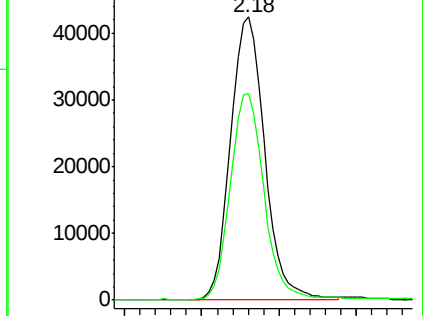
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU033955.D (-245) (-)

Ion 55.00 (54.70 to 55.70): VU033955.D (-245) (-)



#14

Allyl chloride

Concen: 14.343 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

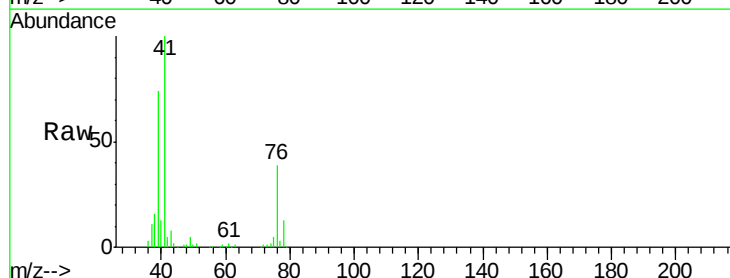
Tgt Ion: 41 Resp: 134531

Ion Ratio Lower Upper

41 100

39 69.6 56.4 84.6

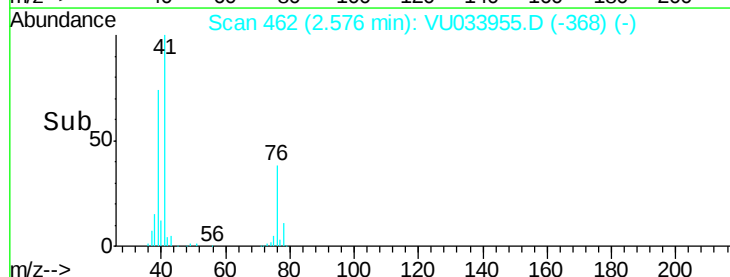
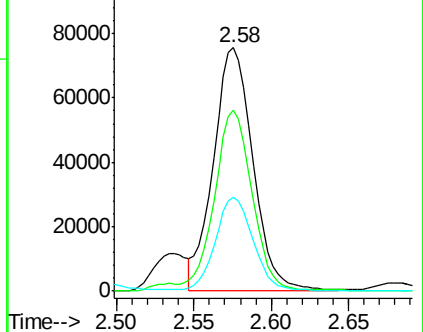
76 36.5 29.2 43.8

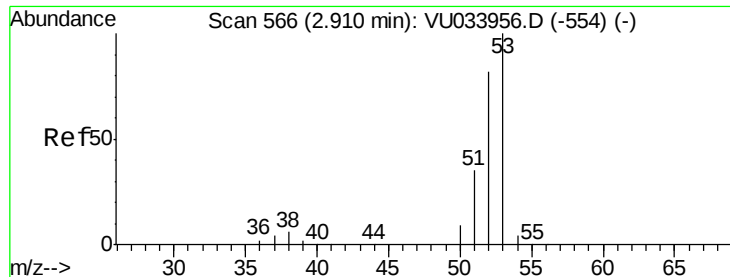


Abundance Ion 41.00 (40.70 to 41.70): VU033955.D (-368) (-)

Ion 39.00 (38.70 to 39.70): VU033955.D (-368) (-)

Ion 75.90 (75.60 to 76.60): VU033955.D (-368) (-)





#15

Acrylonitrile

Concen: 87.626 ug/l

RT: 2.91 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

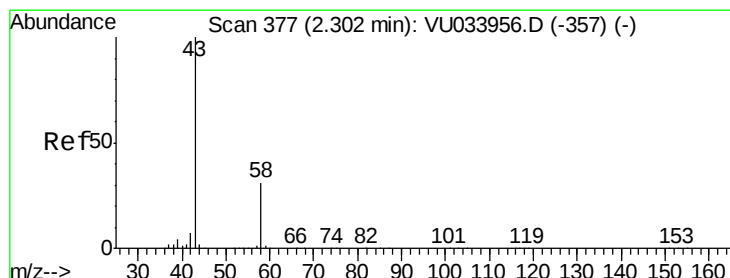
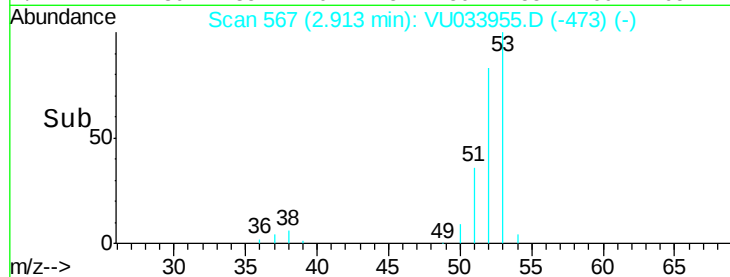
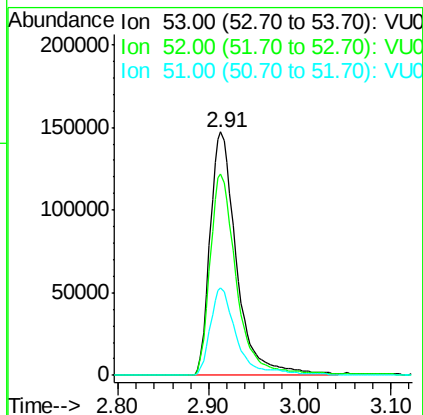
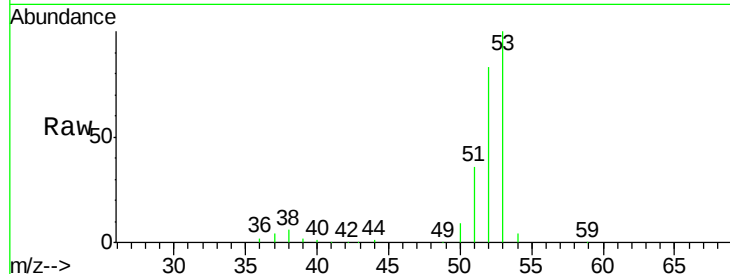
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	299778
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	33.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 85.567 ug/l

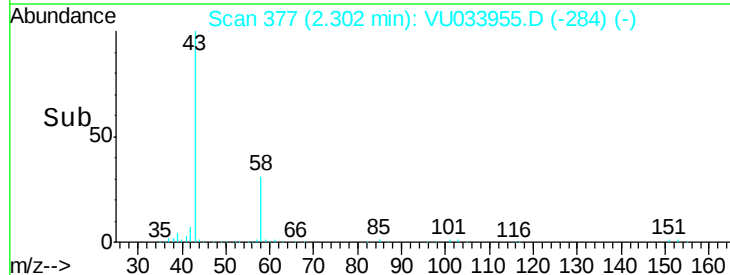
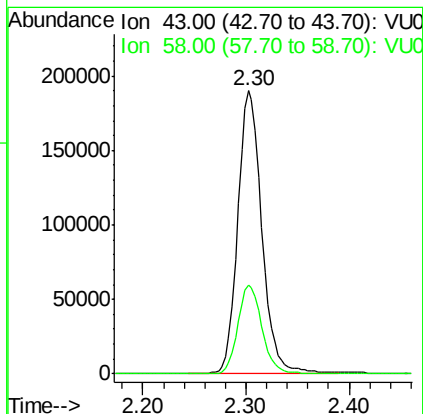
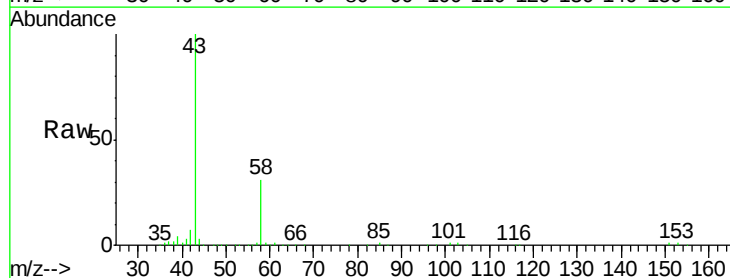
RT: 2.30 min Scan# 377

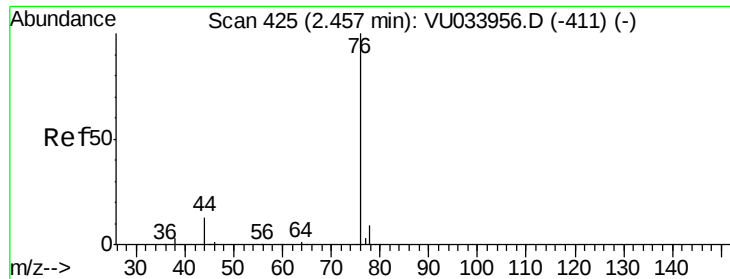
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion:	43	Resp:	309072
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.5	36.7





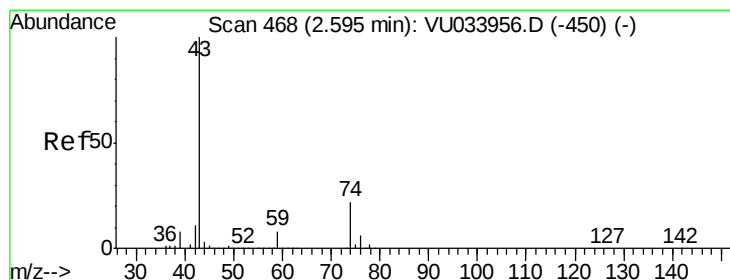
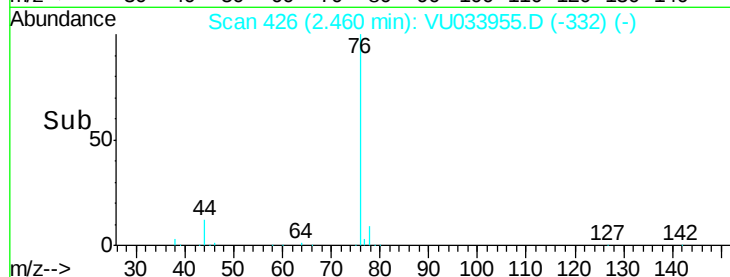
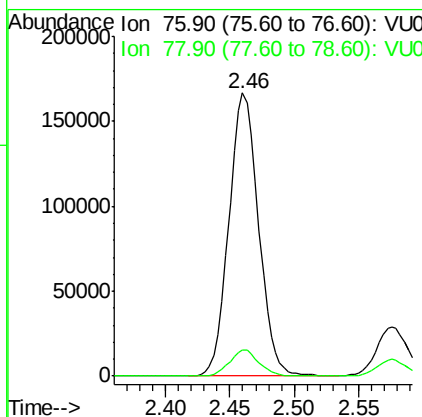
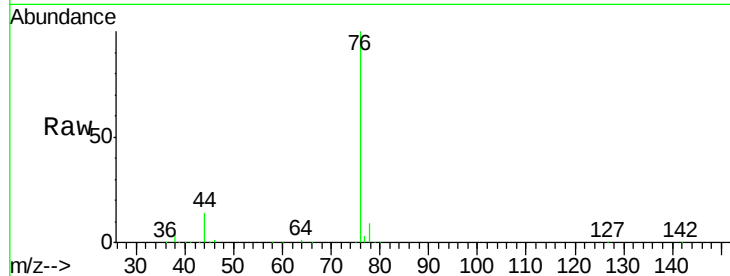
#17
Carbon Disulfide
Concen: 18.155 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

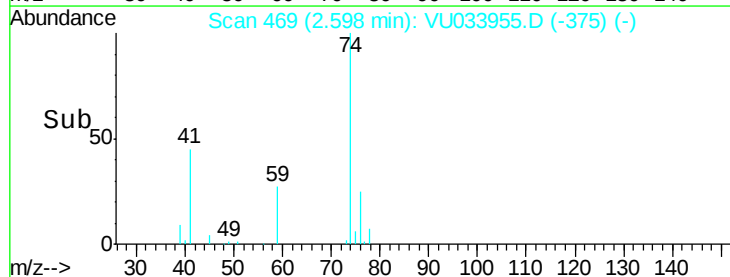
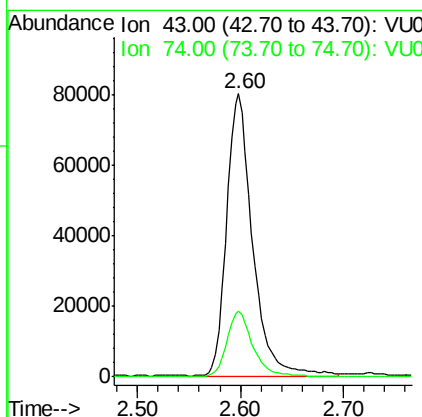
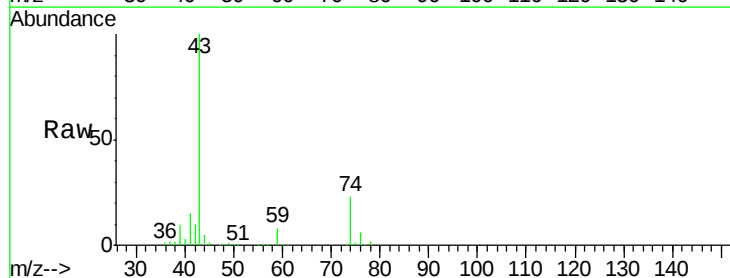
Manual Integrations
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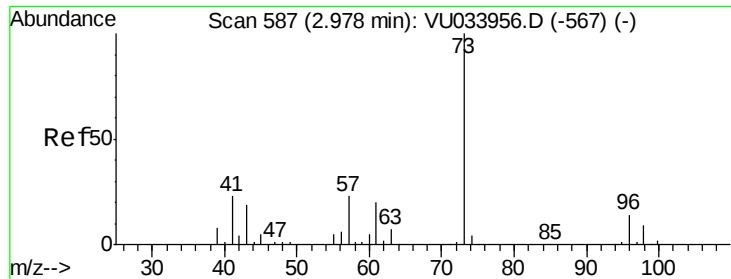
MMDadoda
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#18
Methyl Acetate
Concen: 15.351 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.2





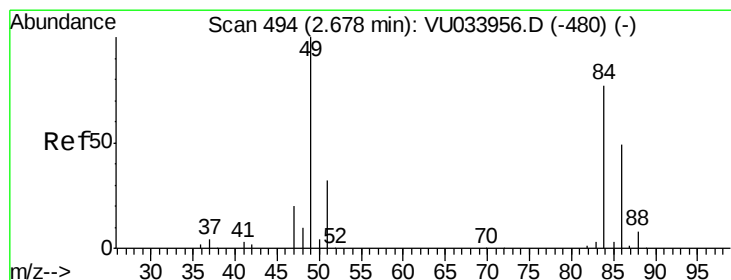
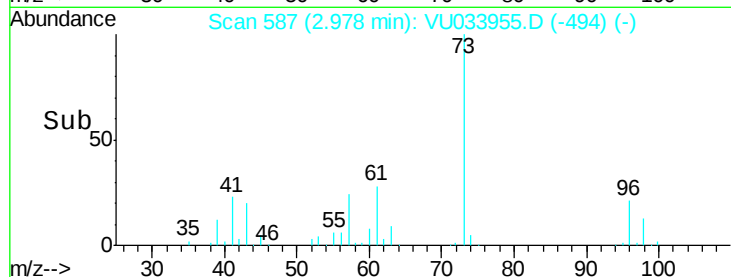
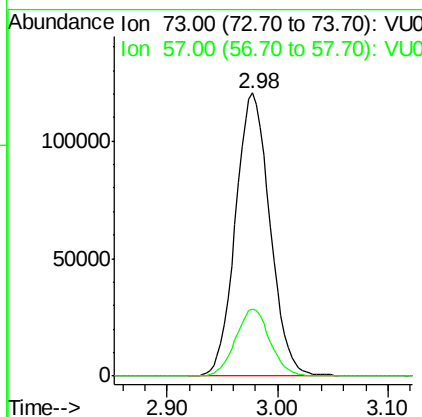
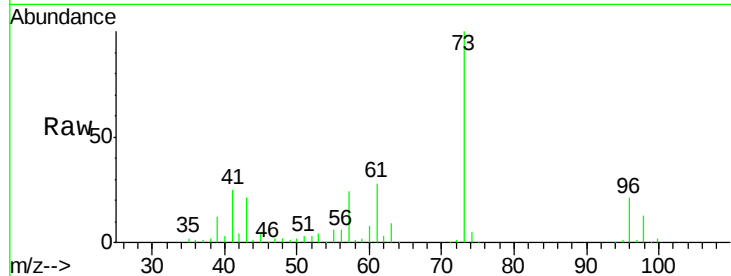
#19
Methvl tert-butvl Ether
Concen: 16.974 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.3	27.5

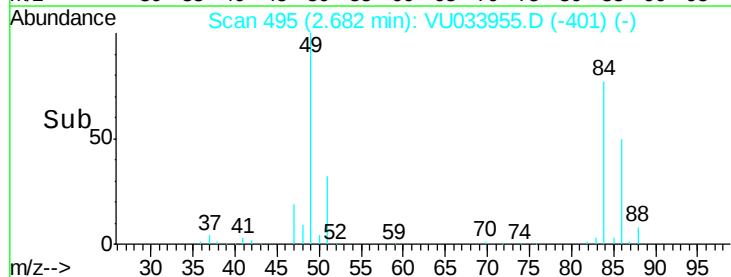
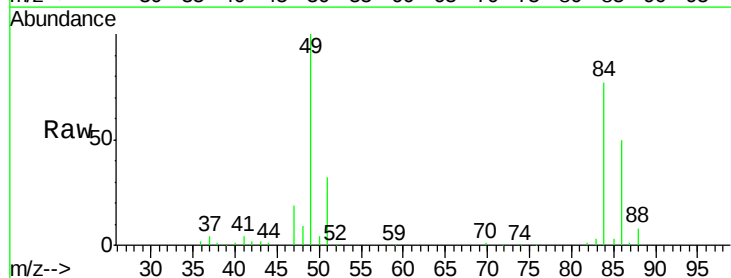
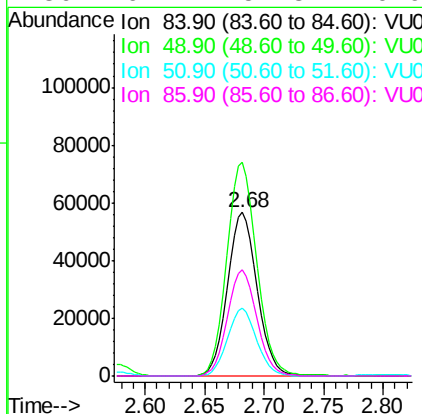
Manual Integrations
APPROVED

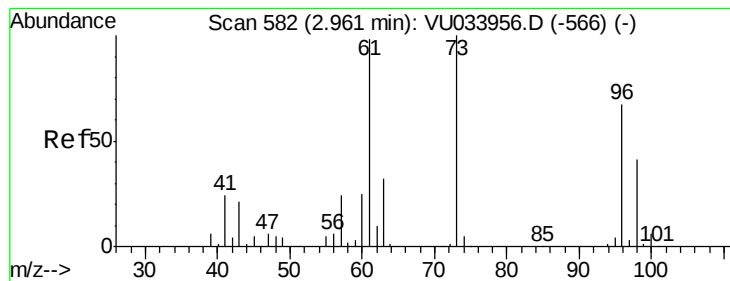
MMDadoda
8/27/2019 12:16:56 PM



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

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





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 91640

Ion Ratio Lower Upper

96 100

61 147.2 117.8 176.8

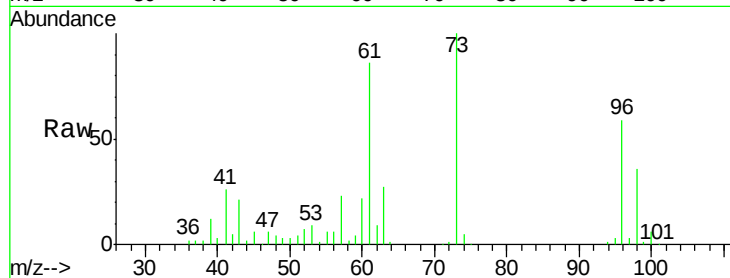
98 61.7 49.8 74.8

Manual Integrations

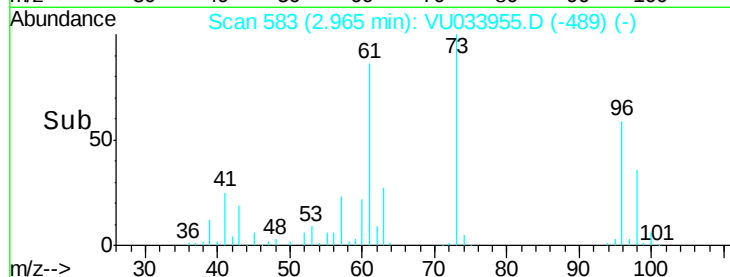
APPROVED

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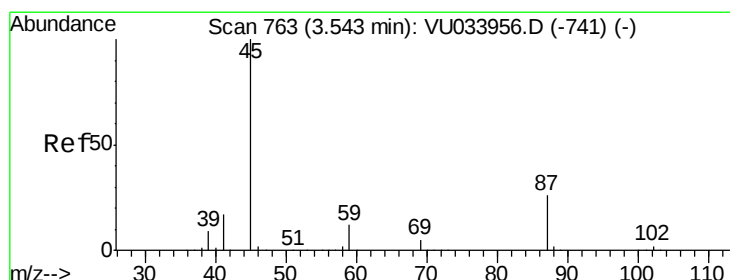
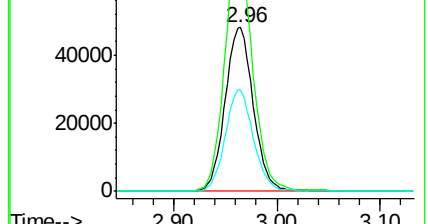


Abundance Ion 95.90 (95.60 to 96.60): VU033955.D (-489) (-)



Ion 60.90 (60.60 to 61.60): VU033955.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU033955.D (-489) (-)



#22

Diisopropyl ether

Concen: 16.384 ug/l

RT: 3.54 min Scan# 763

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion: 45 Resp: 300001

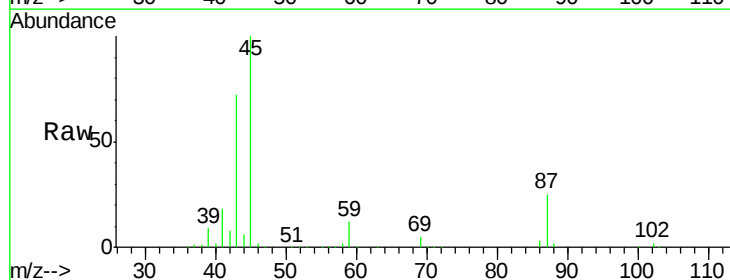
Ion Ratio Lower Upper

45 100

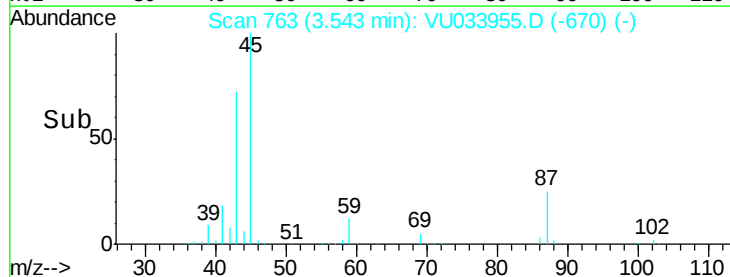
43 71.0 50.6 76.0

87 24.8 21.2 31.8

59 11.5 9.6 14.4



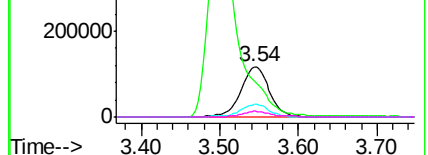
Abundance Ion 45.00 (44.70 to 45.70): VU033955.D (-670) (-)

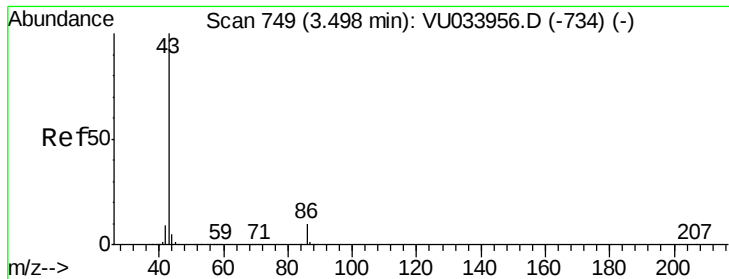


Ion 43.00 (42.70 to 43.70): VU033955.D (-670) (-)

Ion 87.00 (86.70 to 87.70): VU033955.D (-670) (-)

Ion 59.00 (58.70 to 59.70): VU033955.D (-670) (-)





#23

Vinyl Acetate

Concen: 80.205 ug/l

RT: 3.50 min Scan# 749

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1221585

Ion Ratio Lower Upper

43 100

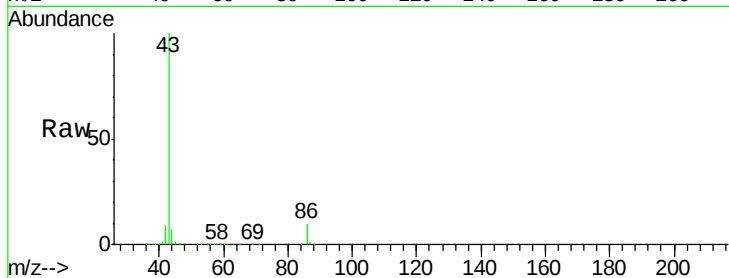
86 9.8 8.2 12.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU033955.D (-656) (-)

Ion 86.00 (85.70 to 86.70): VU033955.D (-656) (-)

3.50

500000

400000

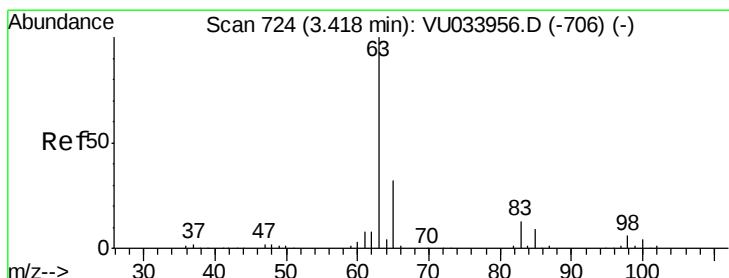
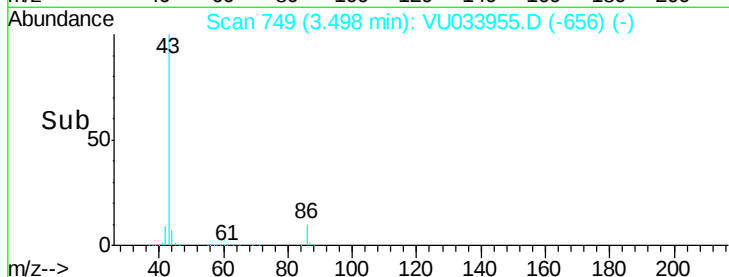
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.716 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

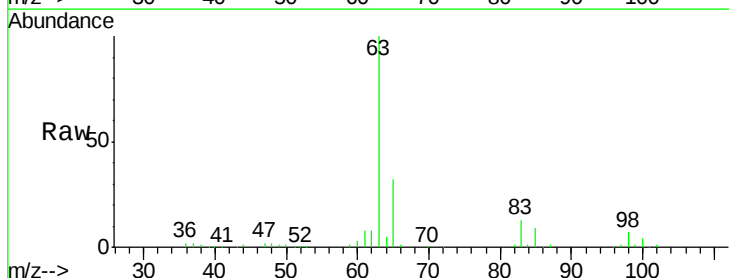
Tgt Ion: 63 Resp: 172815

Ion Ratio Lower Upper

63 100

98 7.2 3.2 9.6

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU033955.D (-631) (-)

Ion 97.90 (97.60 to 98.60): VU033955.D (-631) (-)

Ion 99.90 (99.60 to 100.60): VU033955.D (-631) (-)

3.42

100000

80000

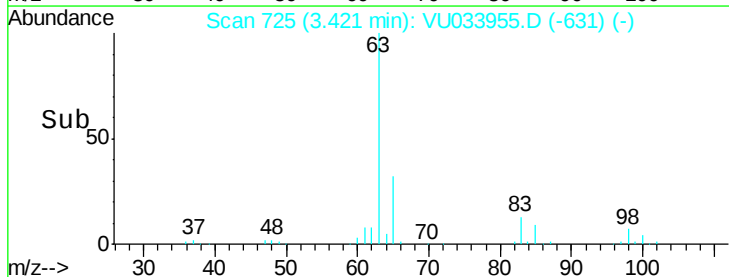
60000

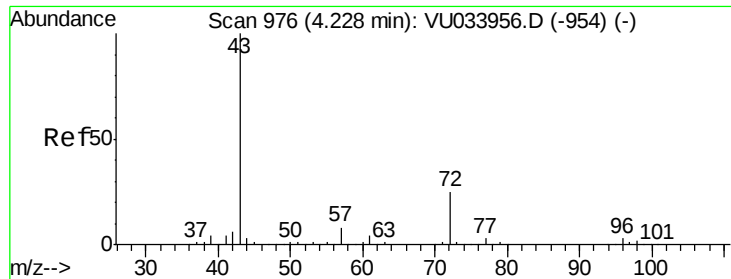
40000

20000

0

Time-->





#25

2-Butanone

Concen: 83.507 ug/l

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 409878

Ion Ratio Lower Upper

43 100

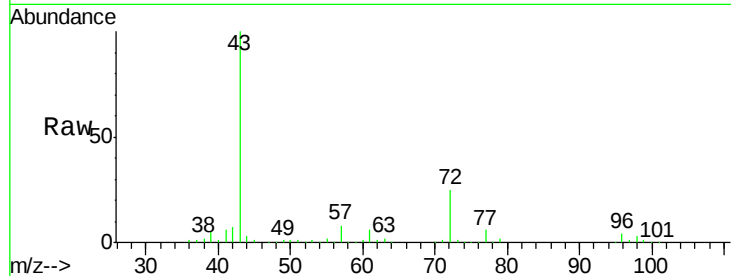
72 25.1 20.3 30.5

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

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

4.23

150000

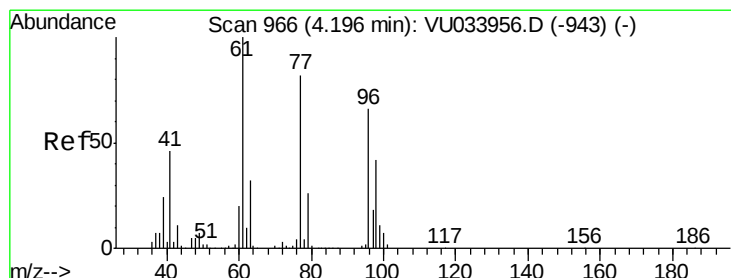
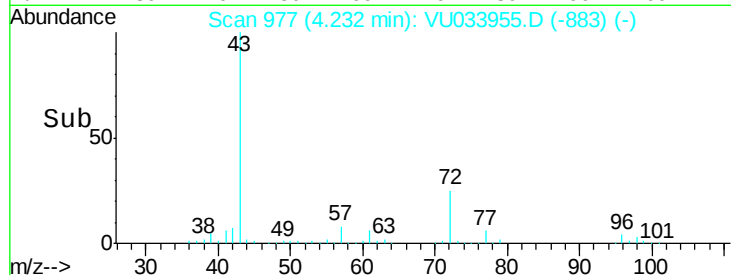
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 17.853 ug/l

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033955.D

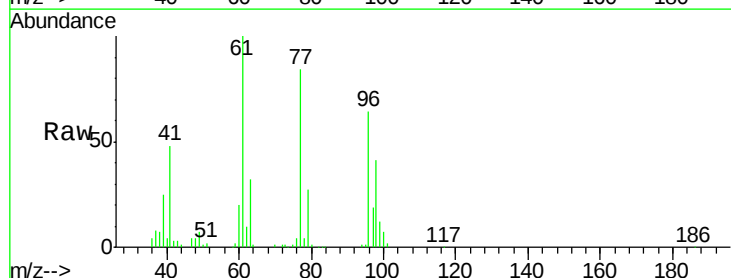
Acq: 26 Aug 2019 17:27

Tgt Ion: 77 Resp: 138663

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3



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

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

4.20

60000

50000

40000

30000

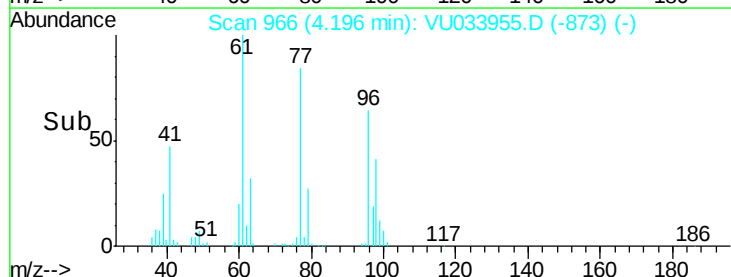
20000

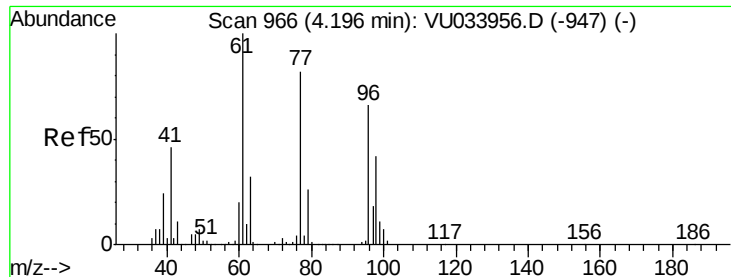
10000

0

4.10 4.20 4.30

Time-->





#27

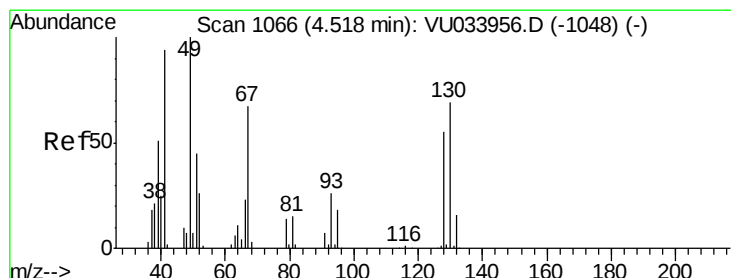
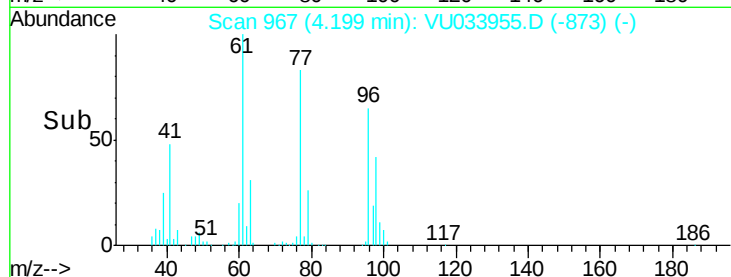
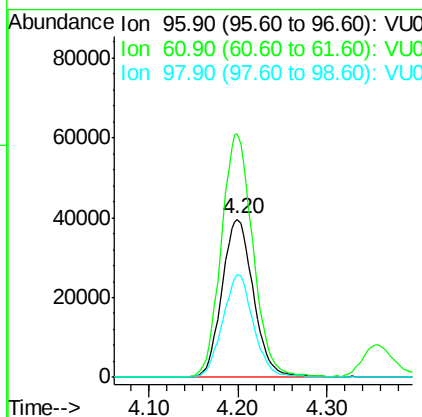
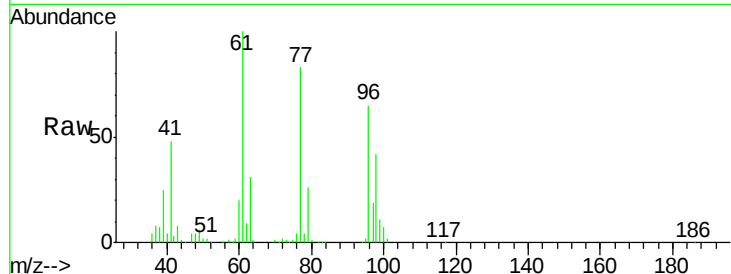
cis-1,2-Dichloroethene
 Concen: 18.566 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

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

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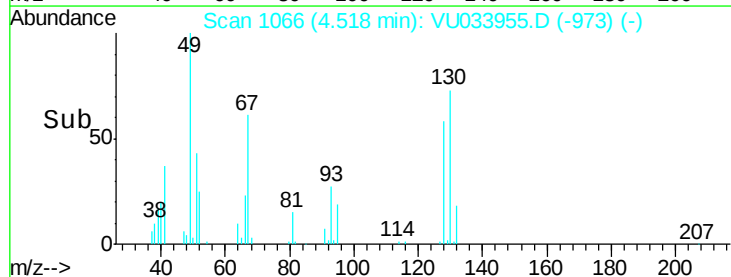
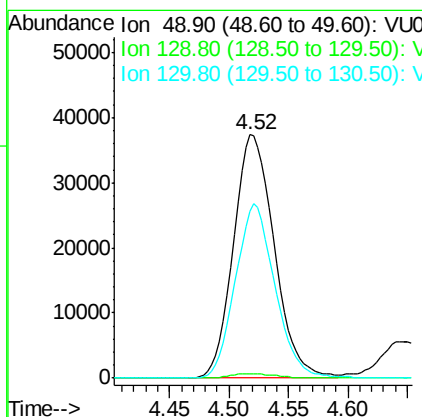
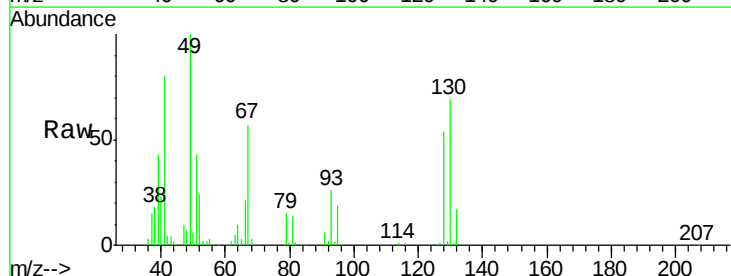
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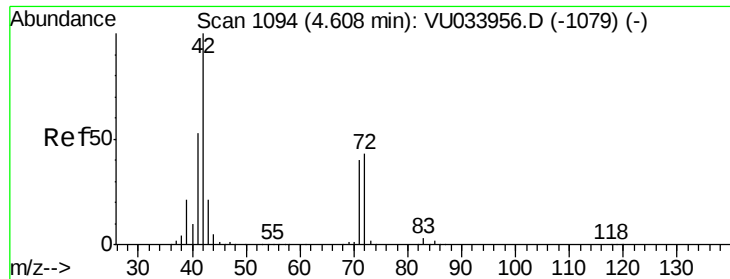


#28

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

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





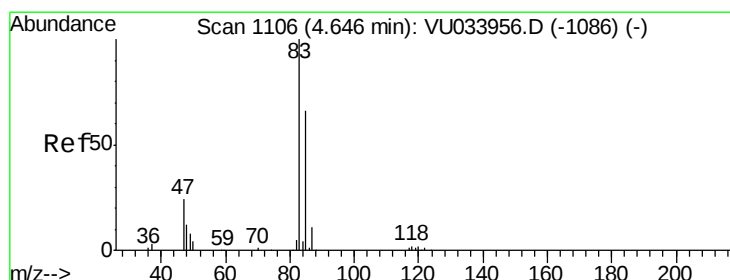
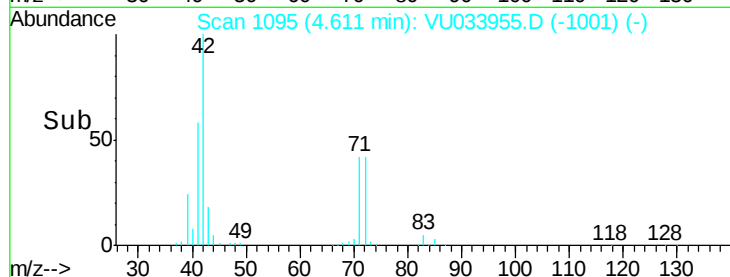
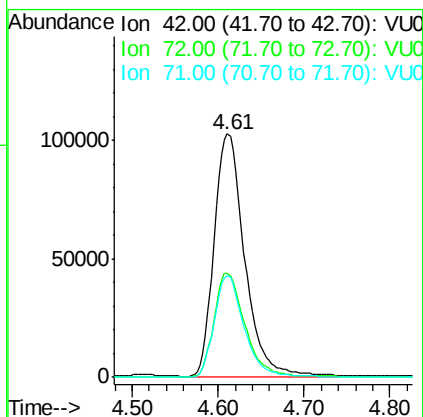
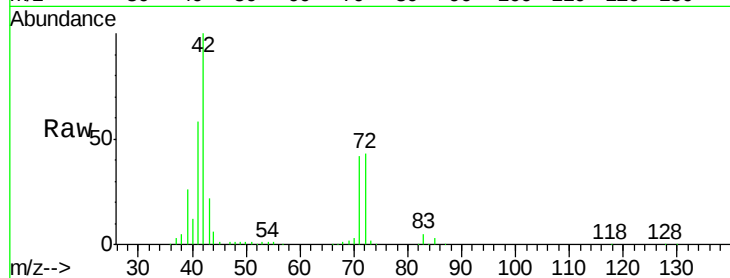
#29
Tetrahydrofuran
Concen: 80.717 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

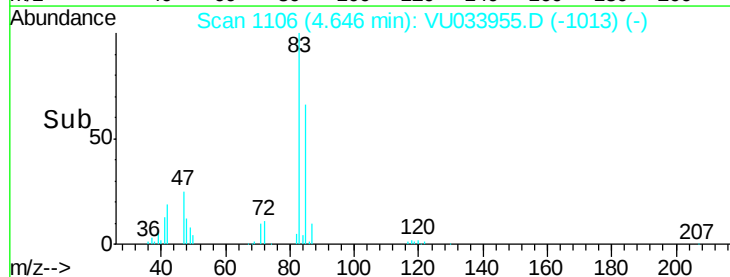
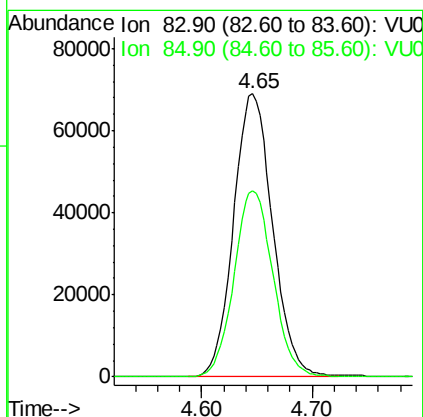
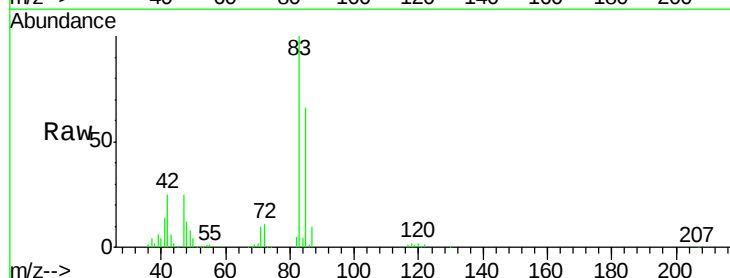
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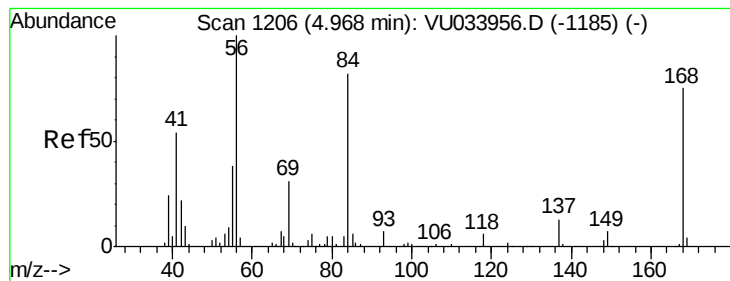
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#30
Chloroform
Concen: 19.665 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 13.542 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

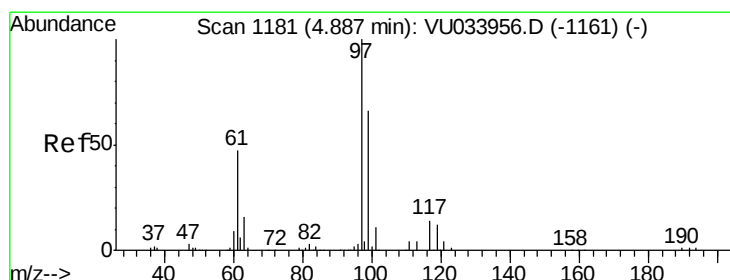
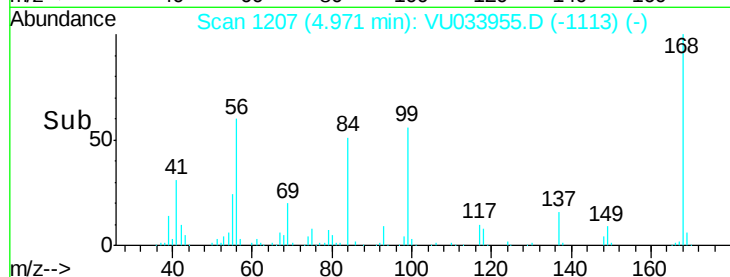
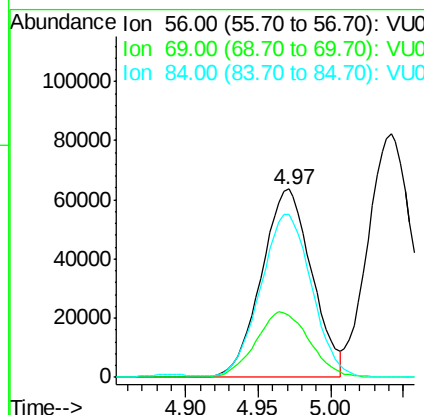
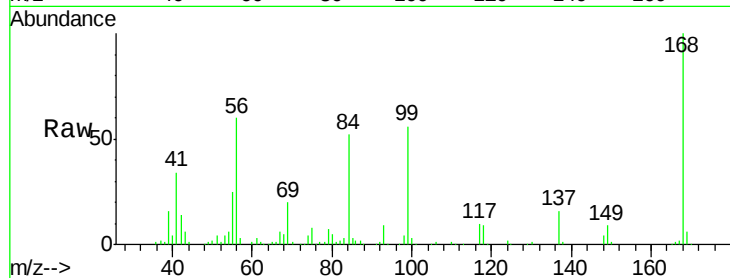
ClientSampleId :

VSTDIC020

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

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.719 ug/l

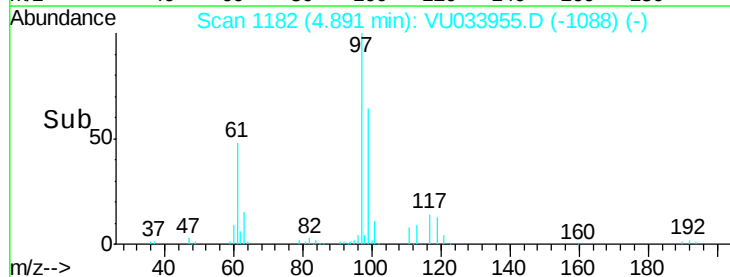
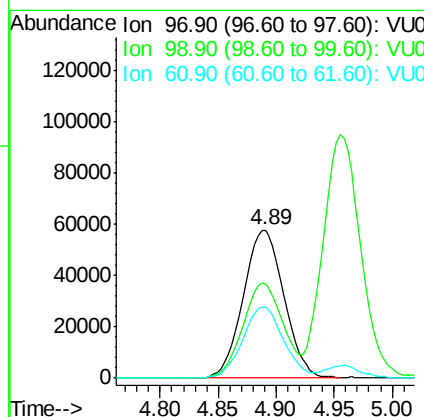
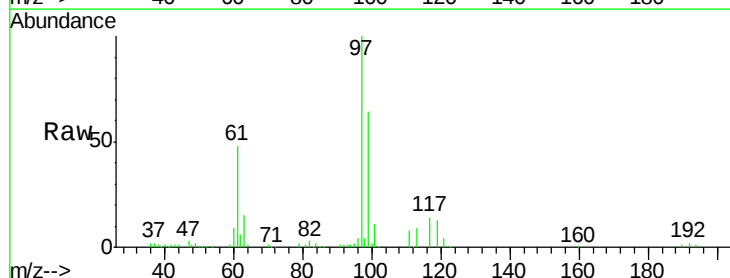
RT: 4.89 min Scan# 1182

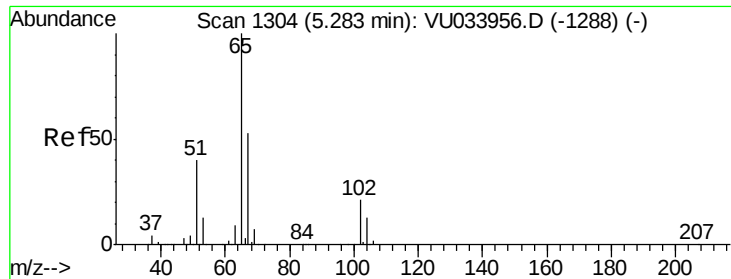
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

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





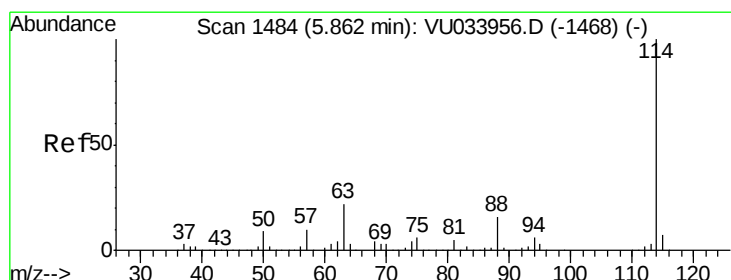
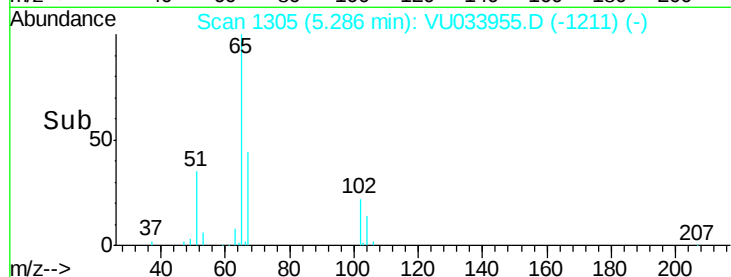
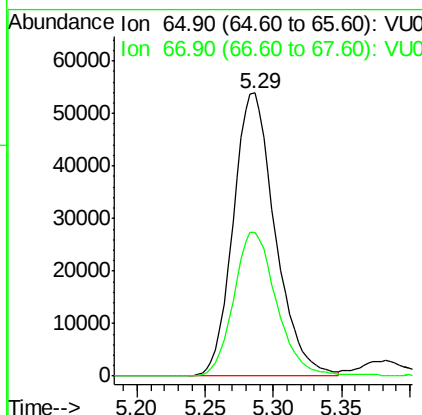
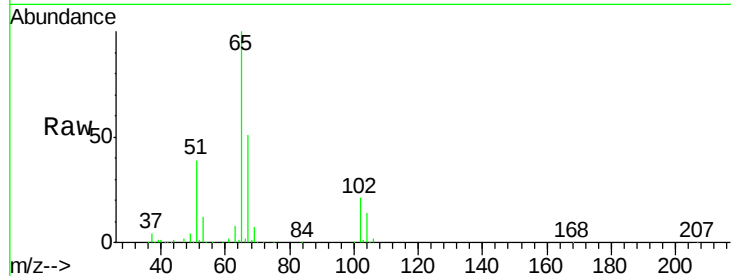
#33
 1,2-Dichloroethane-d4
 Concen: 20.789 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	107.2	

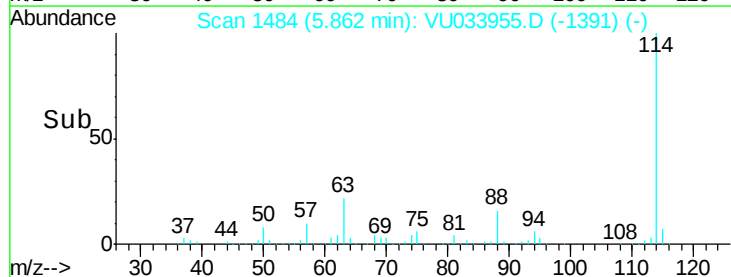
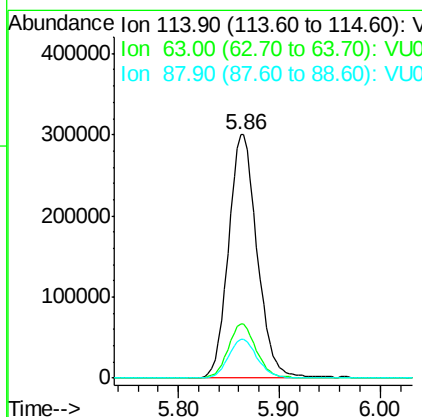
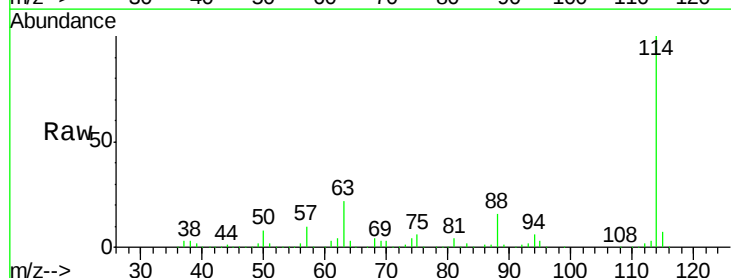
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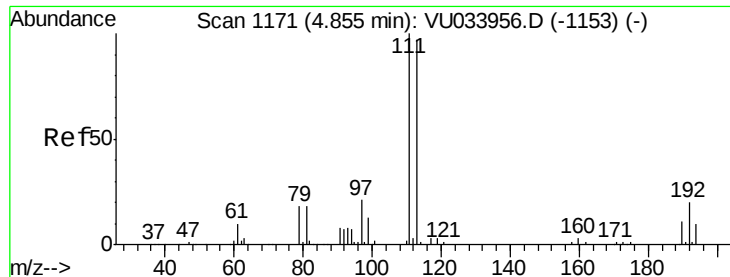
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	44.2	
88	16.0	0.0	32.0	





#35

Dibromofluoromethane

Concen: 23.207 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 87162

Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

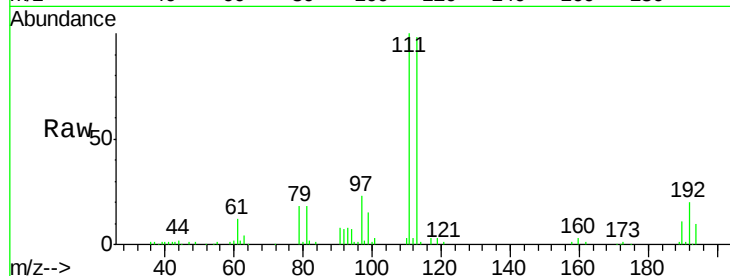
192 20.5 16.2 24.4

Manual Integrations

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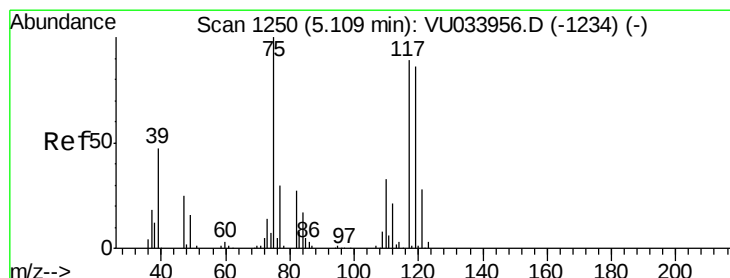
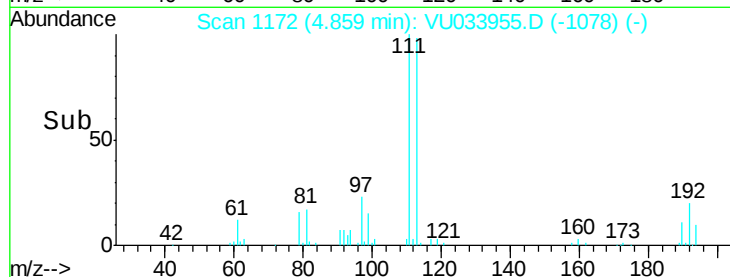
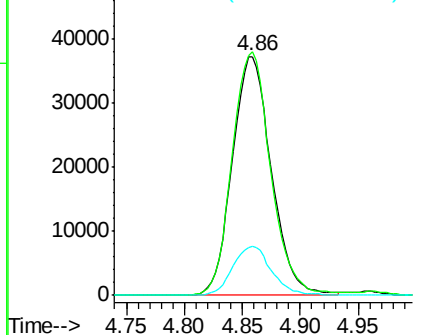
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.960 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

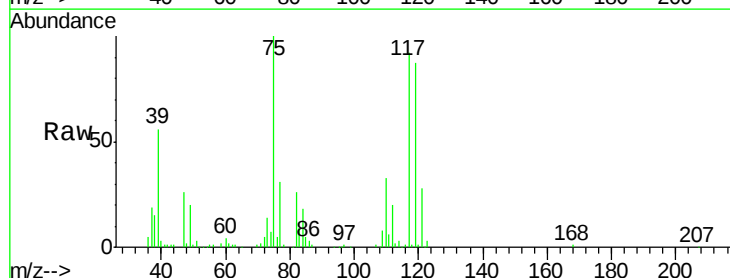
Tgt Ion: 75 Resp: 122252

Ion Ratio Lower Upper

75 100

110 33.3 16.8 50.4

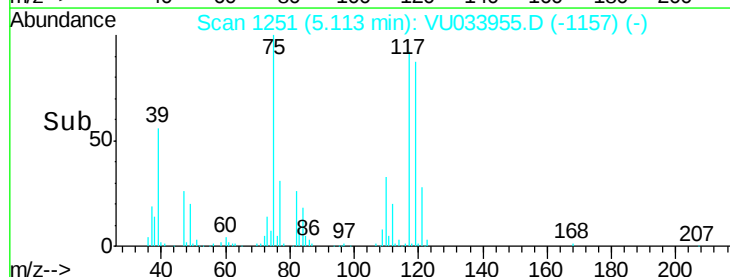
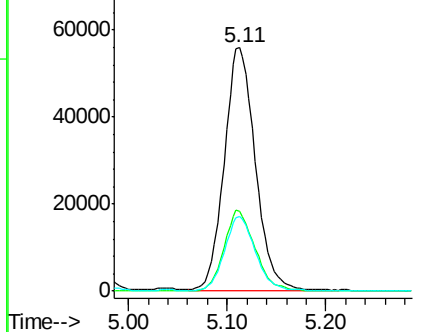
77 30.3 24.7 37.1

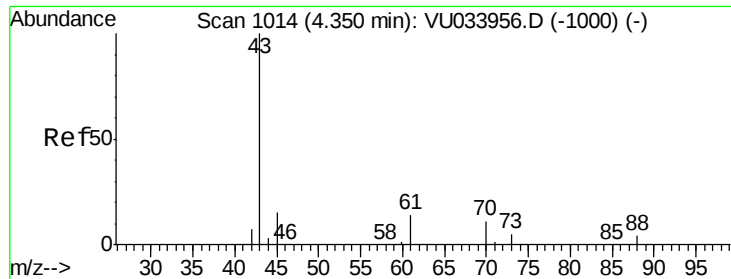


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





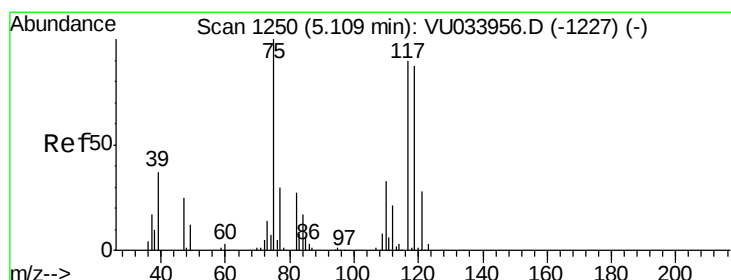
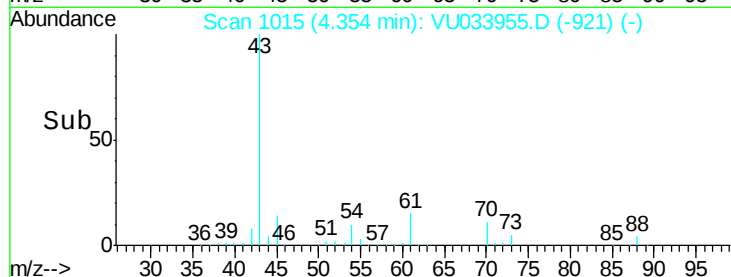
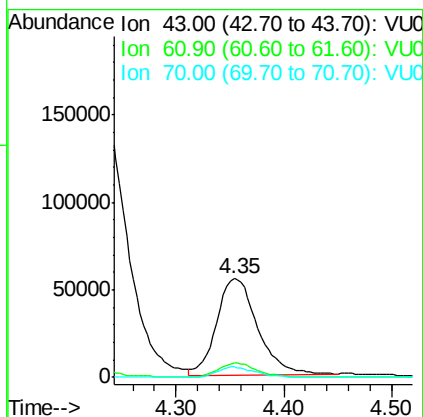
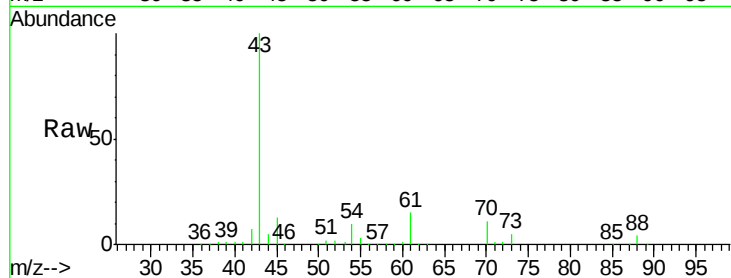
#37
Ethyl Acetate
Concen: 17.629 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

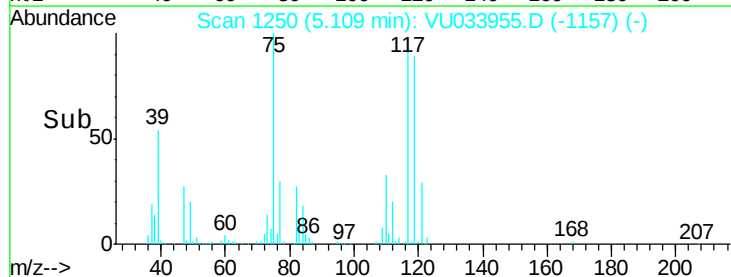
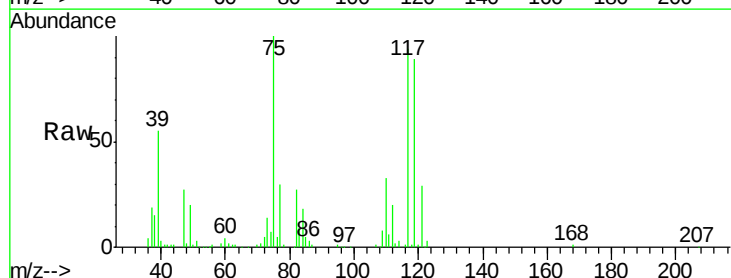
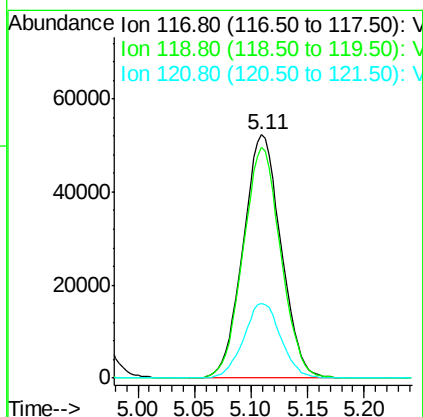
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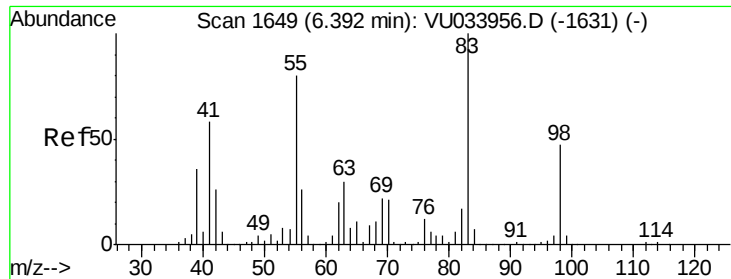
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#38
Carbon Tetrachloride
Concen: 22.792 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

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





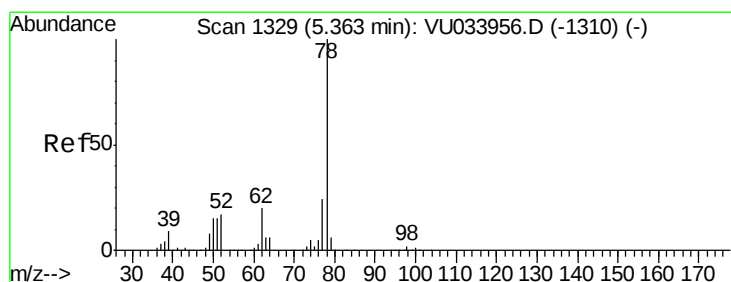
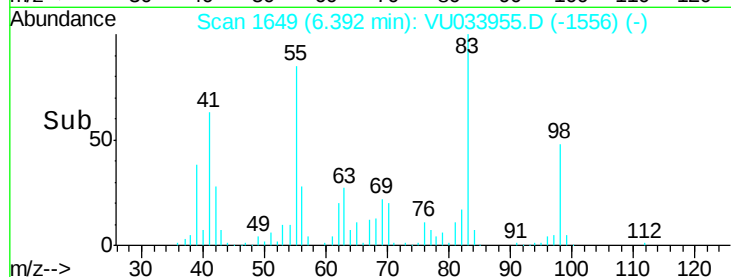
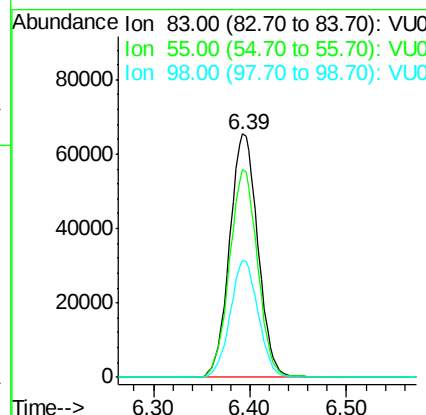
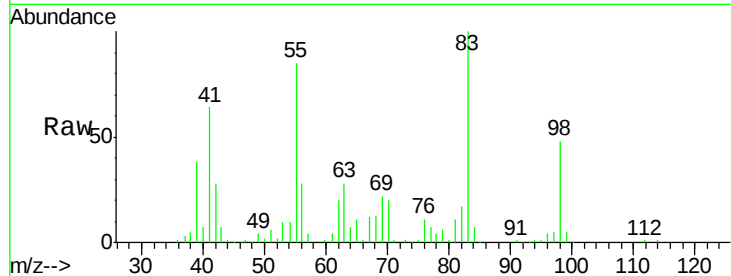
#39
Methvlcvclohexane
Concen: 16.939 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

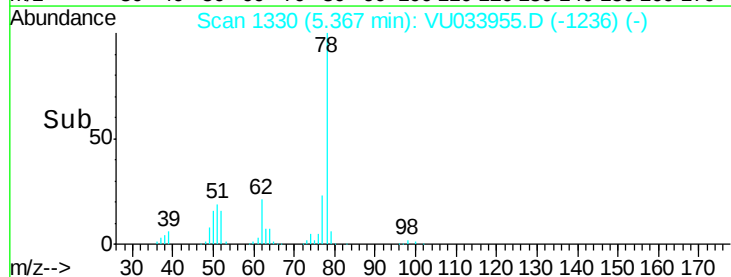
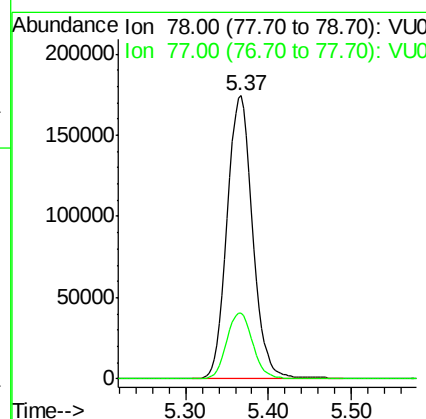
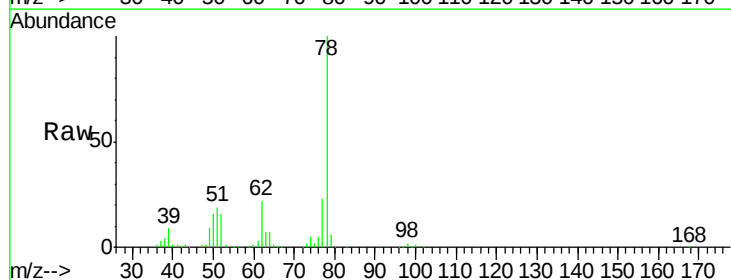
Manual Integrations
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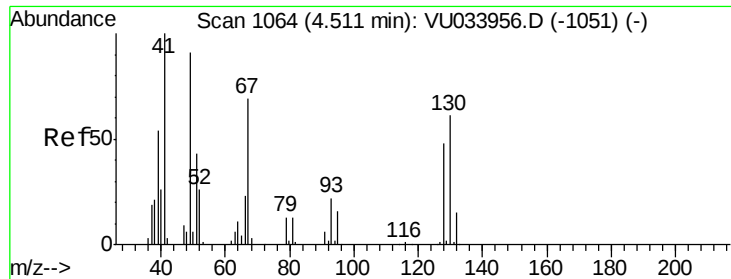
MMDadoda
8/27/2019 12:16:56 PM



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

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





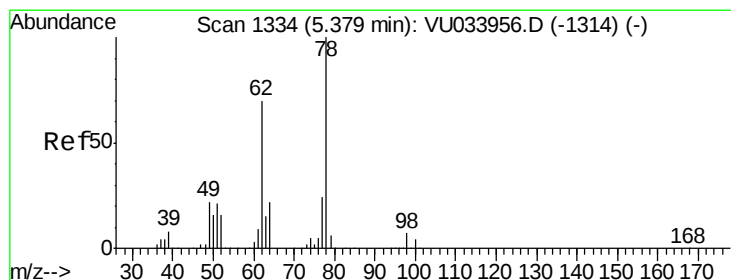
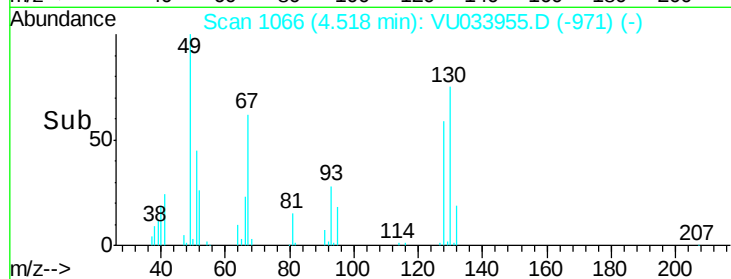
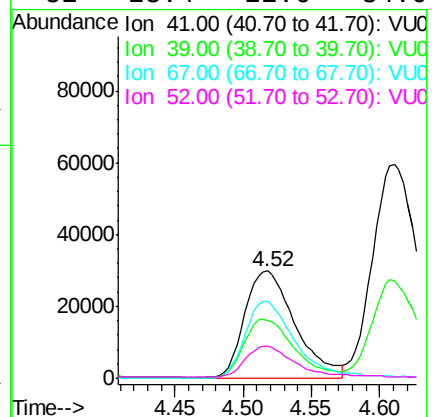
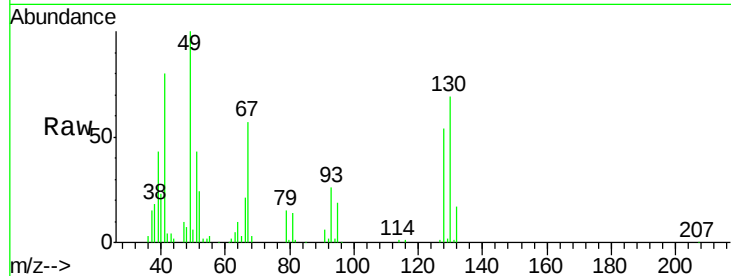
#41
Methacrylonitrile
Concen: 16.952 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

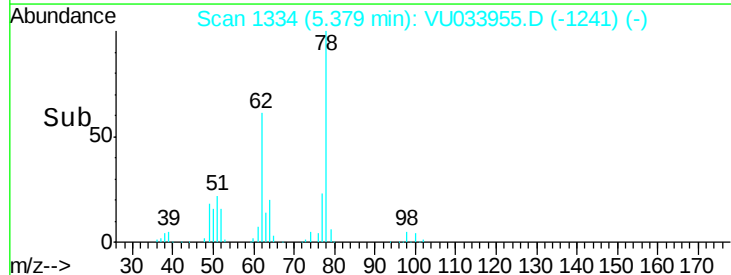
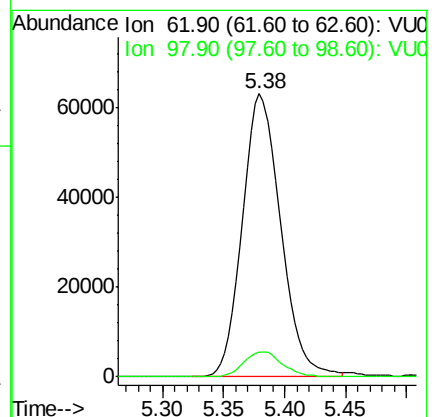
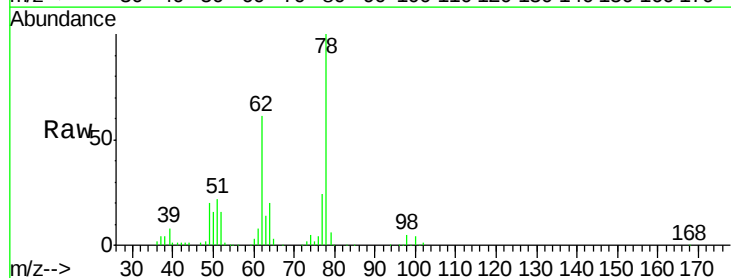
Manual Integrations
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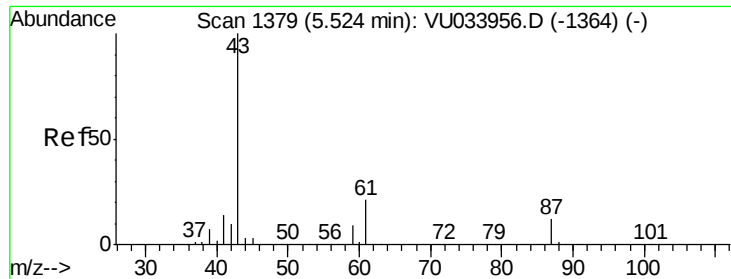
MMDadoda
8/27/2019 12:16:56 PM



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

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.2	





#43

Isopropyl Acetate

Concen: 16.384 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

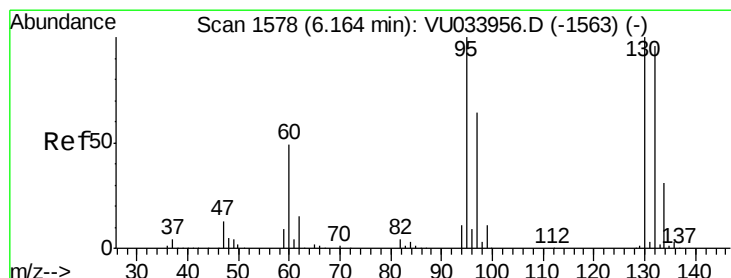
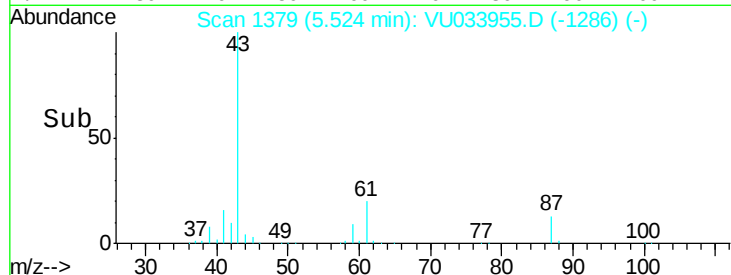
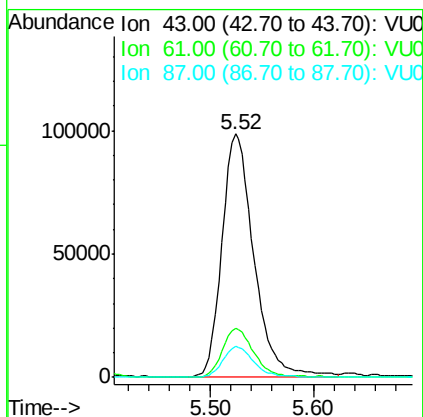
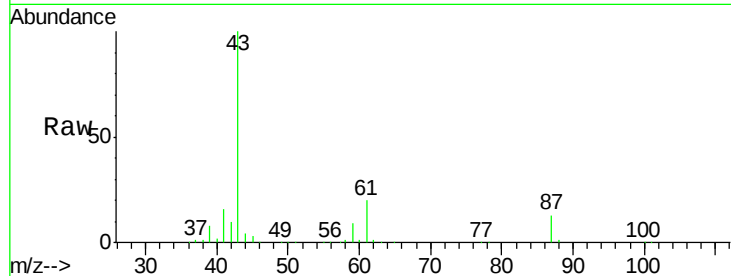
ClientSampleId :

VSTDIC020

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

Manual Integrations
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#44

Trichloroethene

Concen: 21.498 ug/l

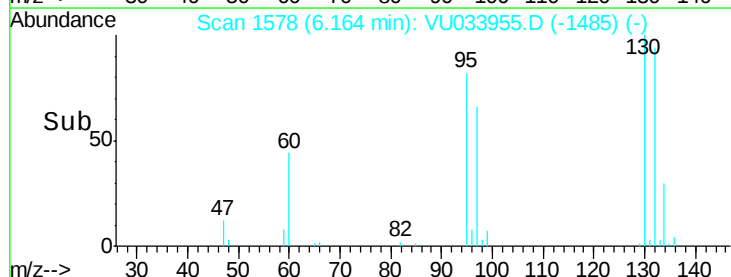
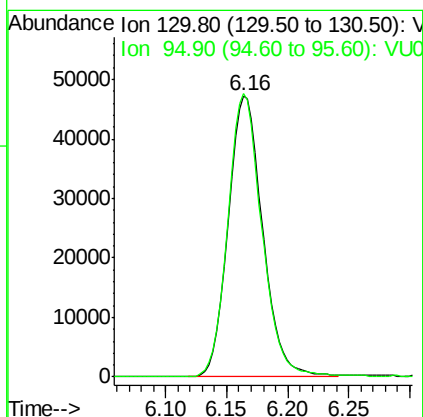
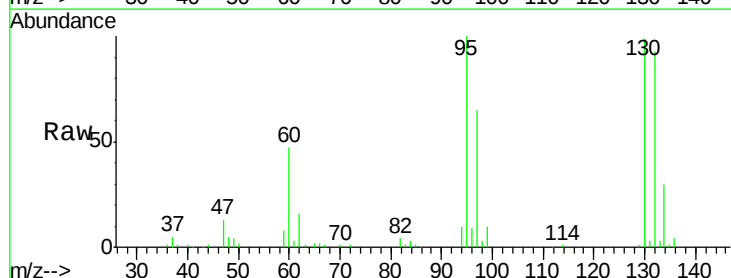
RT: 6.16 min Scan# 1578

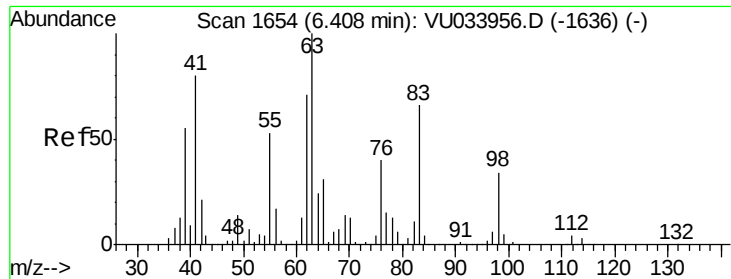
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

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





#45

1,2-Dichloropropane

Concen: 19.221 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 101989

Ion Ratio Lower Upper

63 100

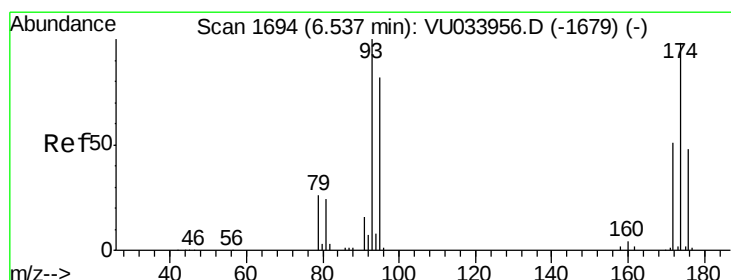
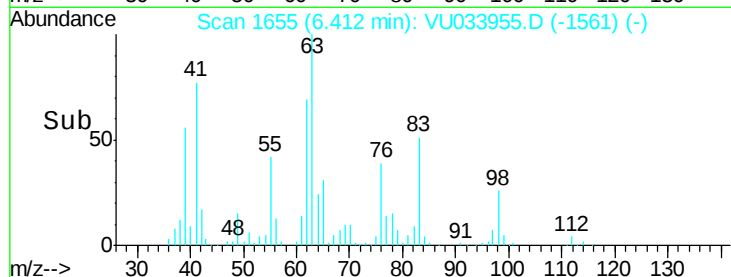
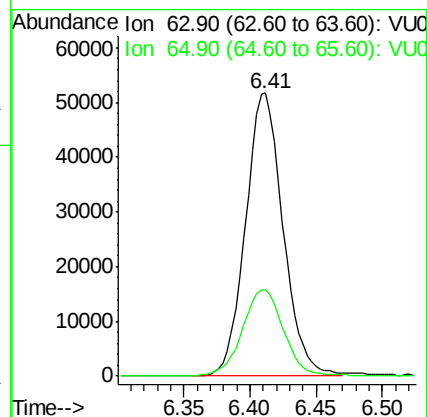
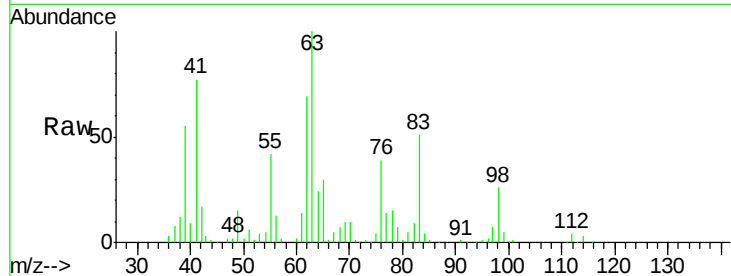
65 30.5 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 20.644 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

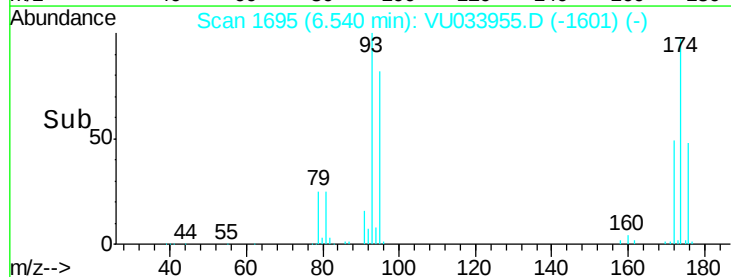
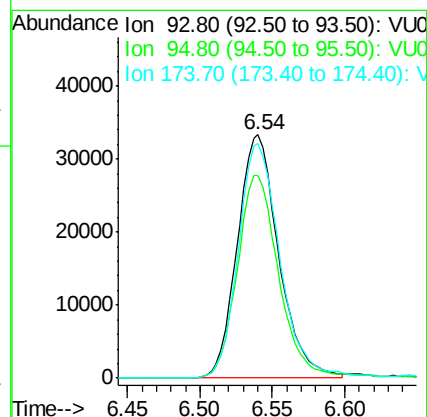
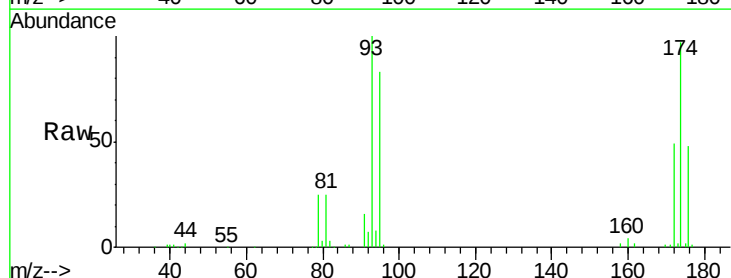
Tgt Ion: 93 Resp: 65997

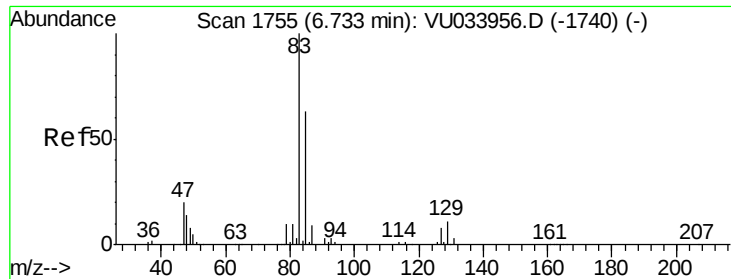
Ion Ratio Lower Upper

93 100

95 82.6 67.3 100.9

174 97.9 79.7 119.5





#47

Bromodichloromethane

Concen: 21.128 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

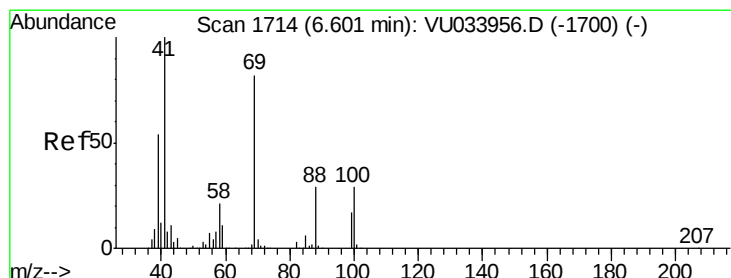
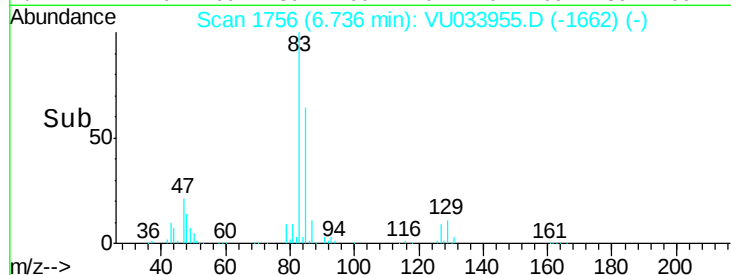
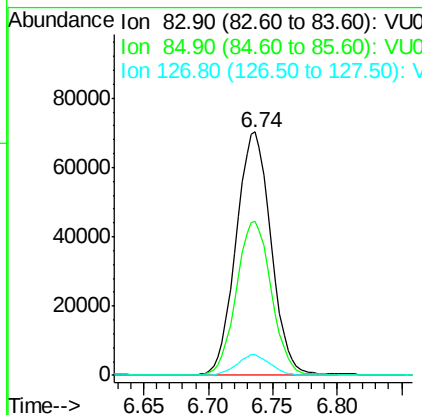
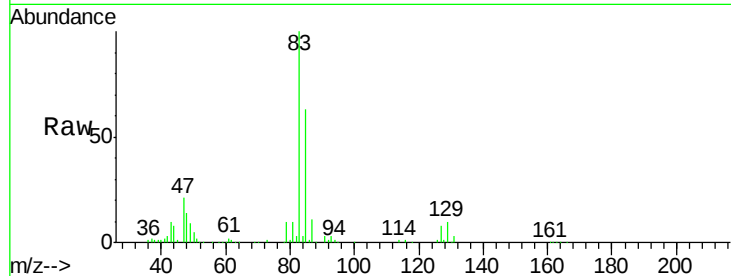
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	132603
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	8.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.409 ug/l

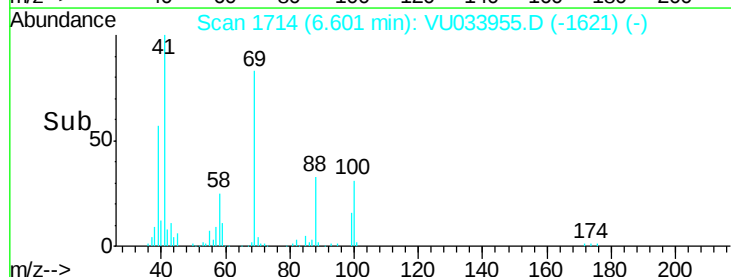
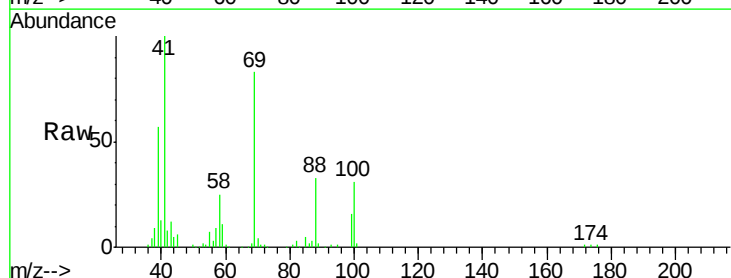
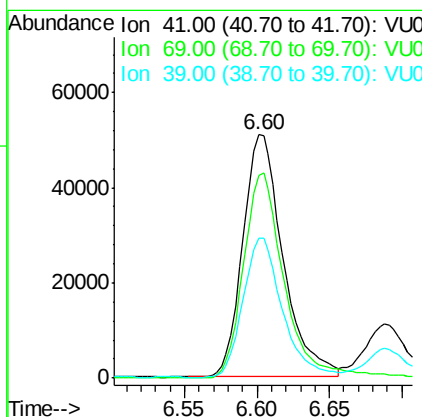
RT: 6.60 min Scan# 1714

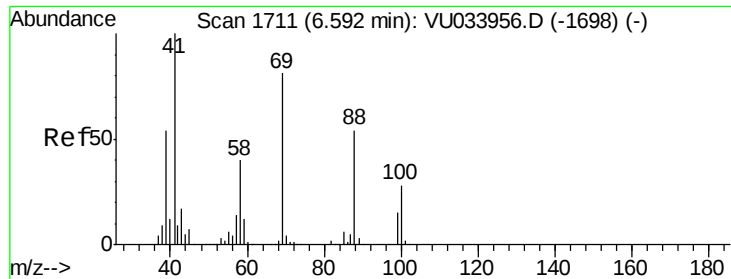
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion:	41	Resp:	98211
Ion	Ratio	Lower	Upper
41	100		
69	86.5	66.9	100.3
39	56.3	43.3	64.9





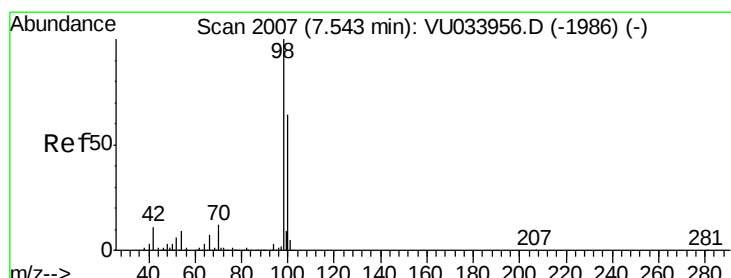
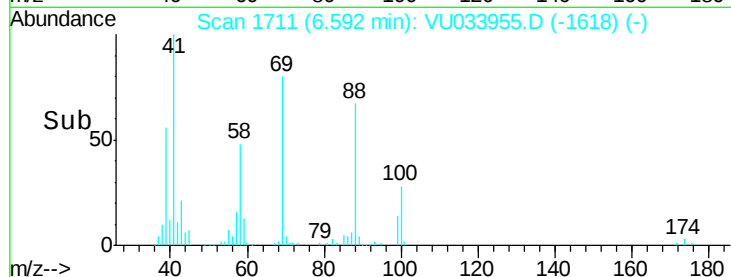
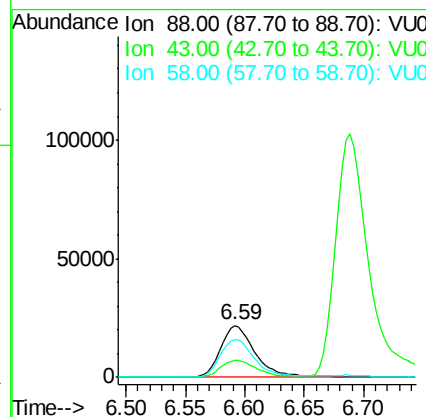
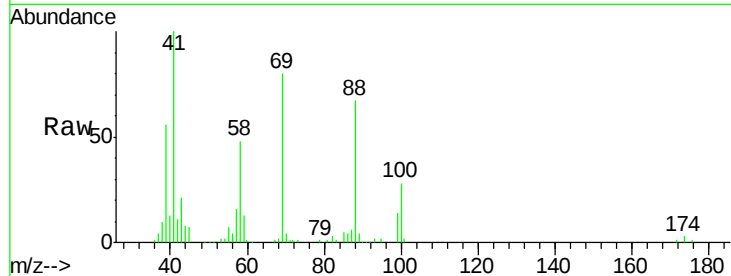
#49
1,4-Dioxane
Concen: 405.044 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

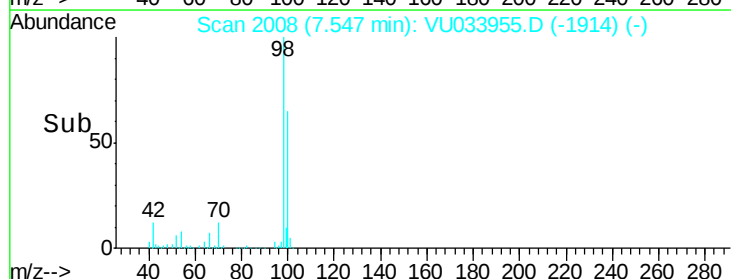
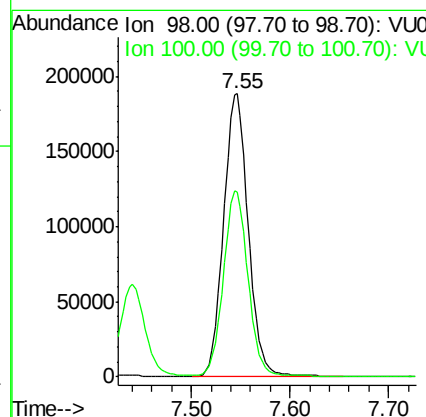
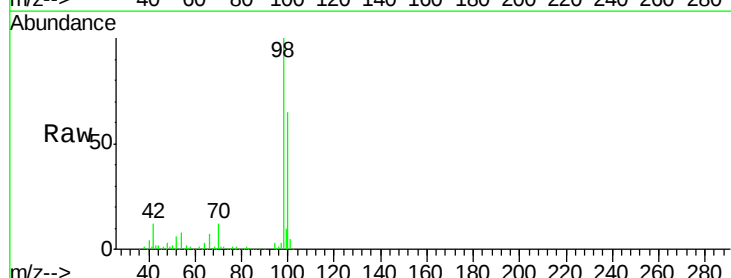
Manual Integrations
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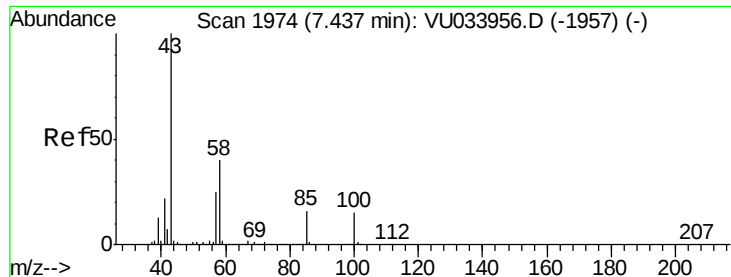
MMDadoda
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#50
Toluene-d8
Concen: 22.526 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.2	51.8	77.6	





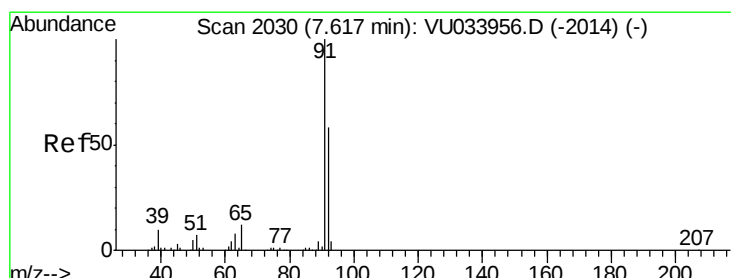
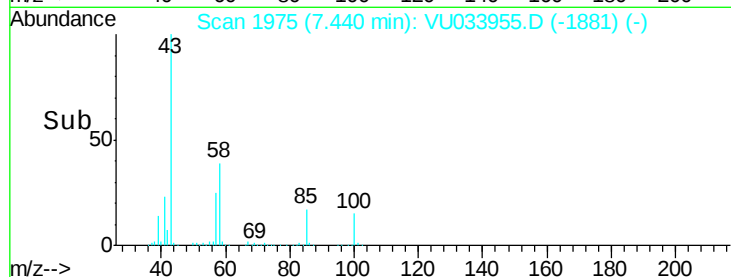
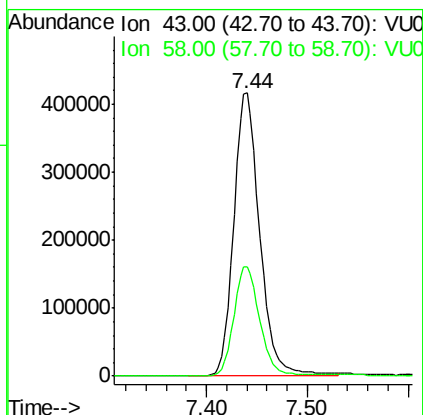
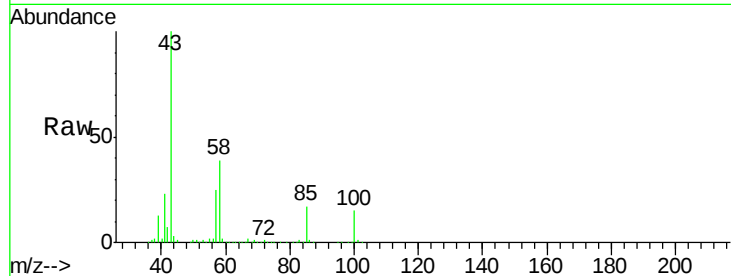
#51
4-Methyl-2-Pentanone
Concen: 90.230 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.6	47.4

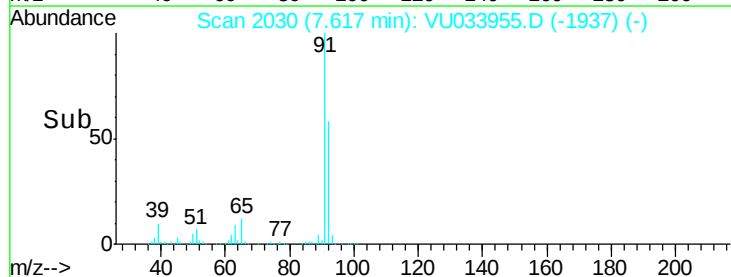
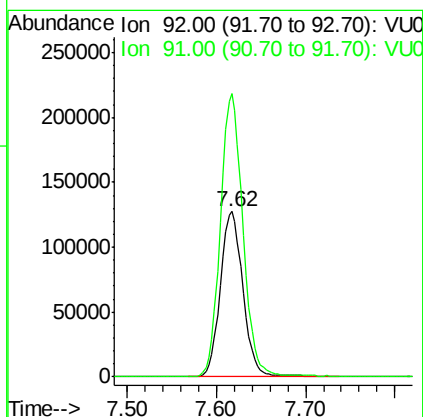
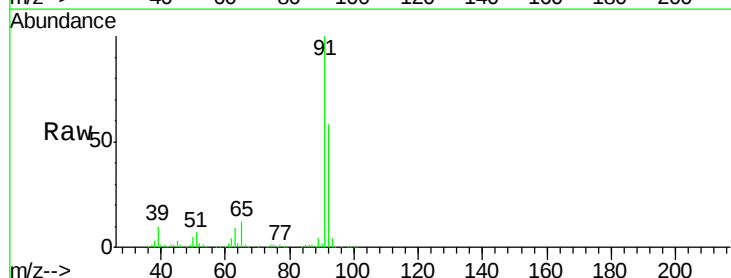
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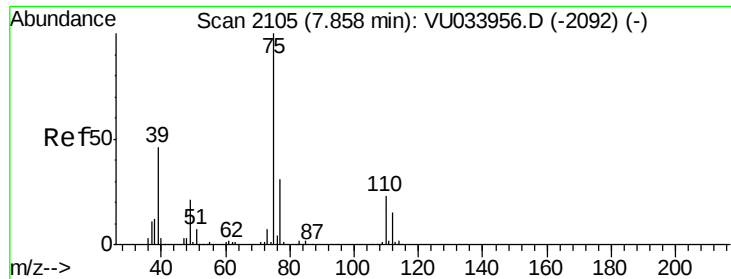
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#52
Toluene
Concen: 19.998 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.5	206.3





#53

t-1,3-Dichloropropene

Concen: 18.885 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 139175

Ion Ratio Lower Upper

75 100

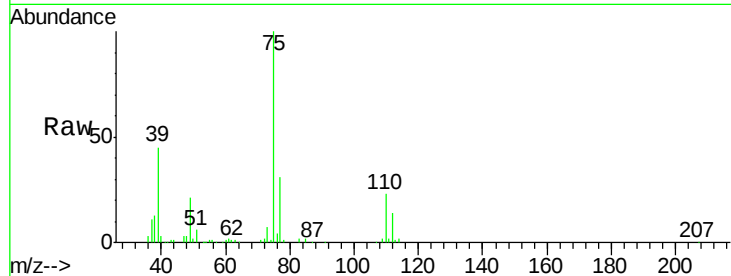
77 31.0 24.9 37.3

Manual Integrations

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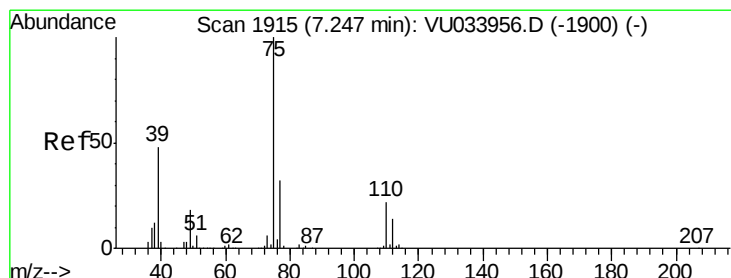
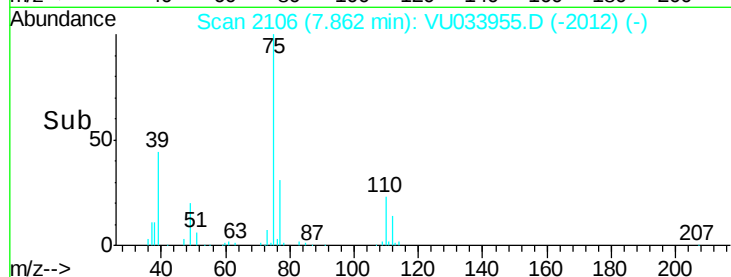
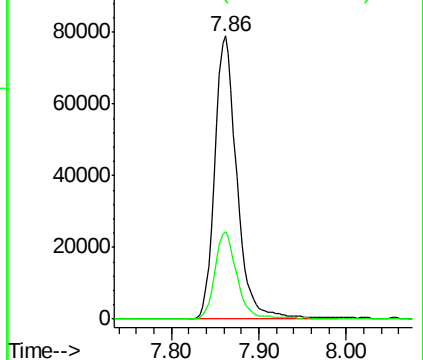
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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 18.944 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

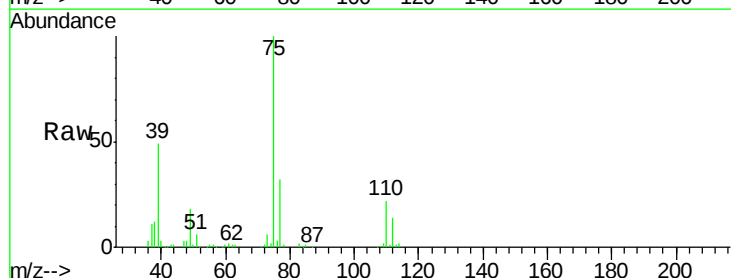
Tgt Ion: 75 Resp: 151655

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

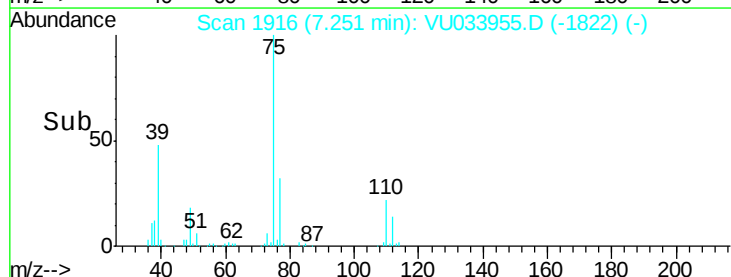
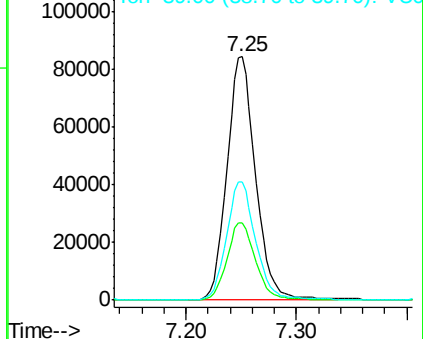
39 48.4 38.3 57.5

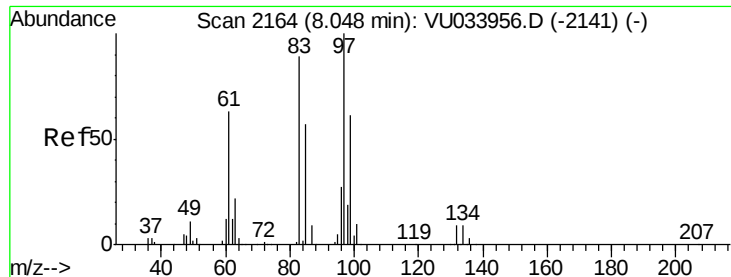


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





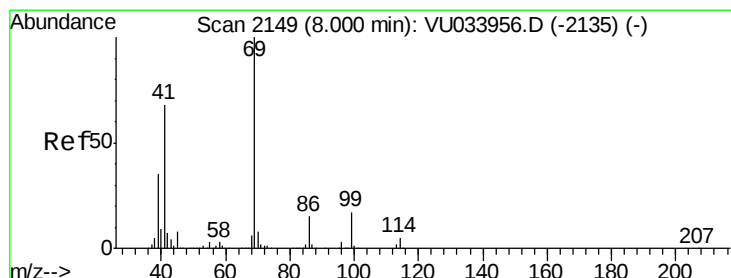
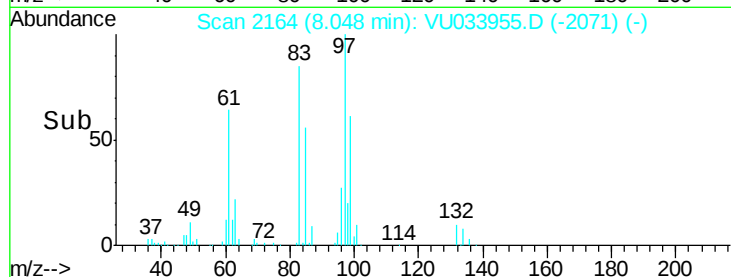
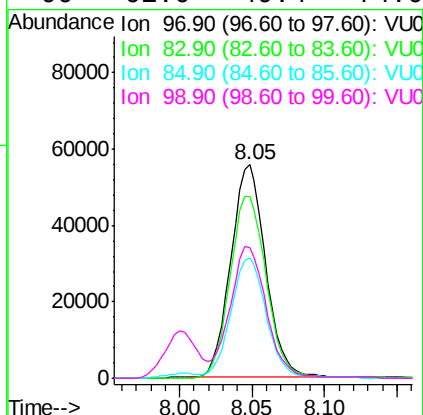
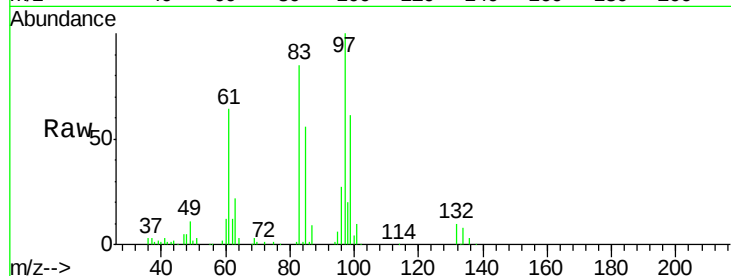
#55
 1,1,2-Trichloroethane
 Concen: 20.769 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

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

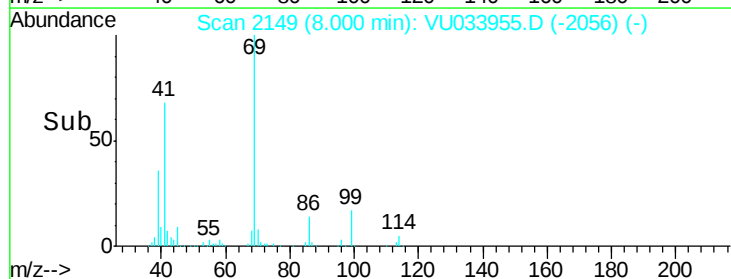
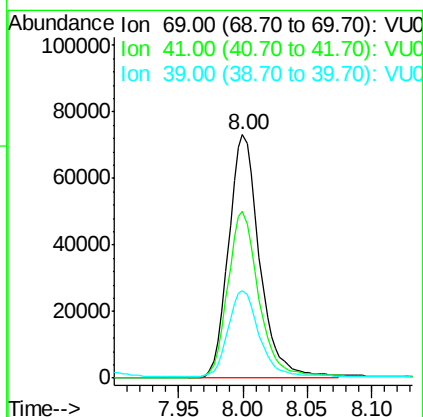
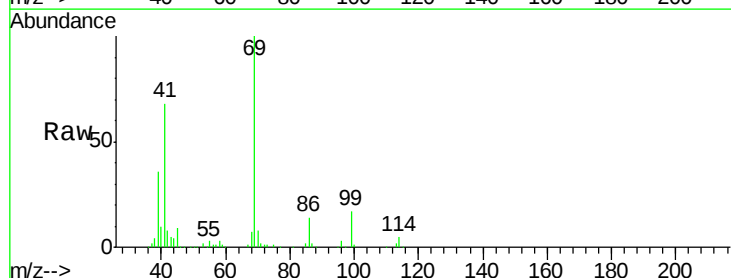
Manual Integrations
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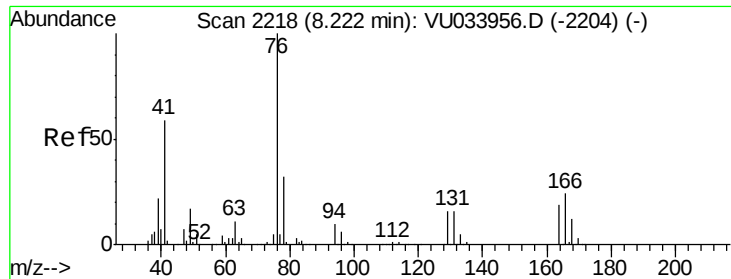
MMDadoda
 8/27/2019 12:16:56 PM



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

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





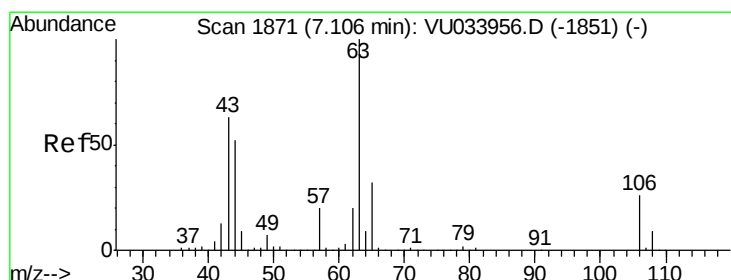
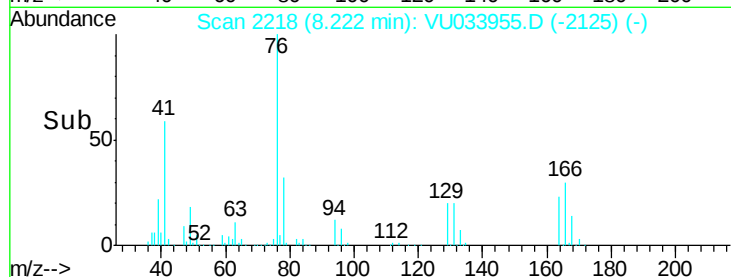
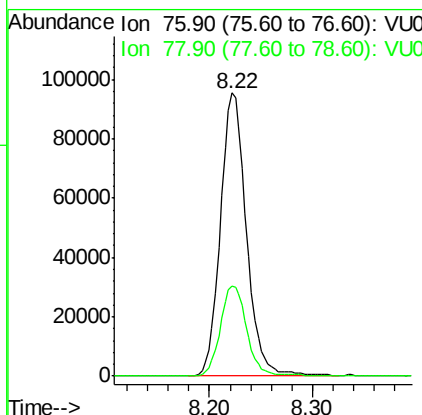
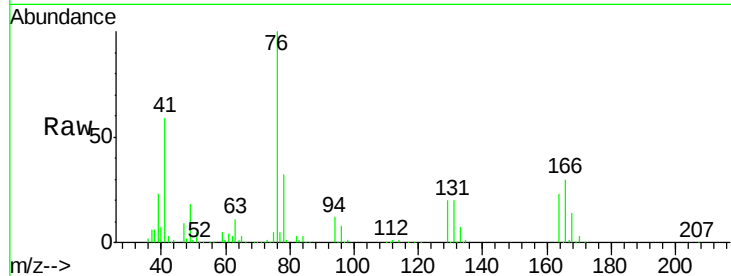
#57
 1,3-Dichloropropane
 Concen: 20.255 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

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

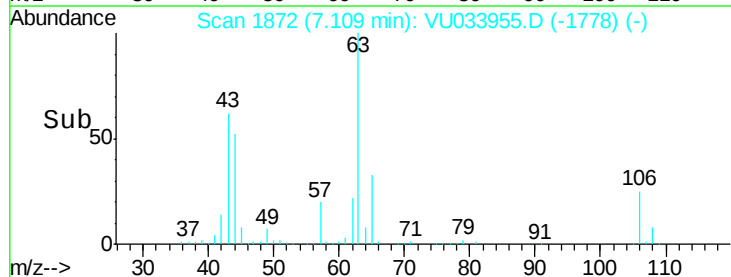
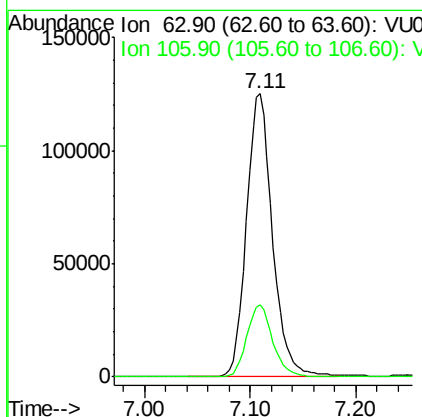
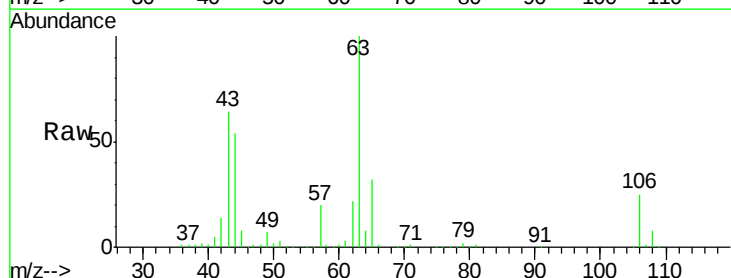
Manual Integrations
 APPROVED

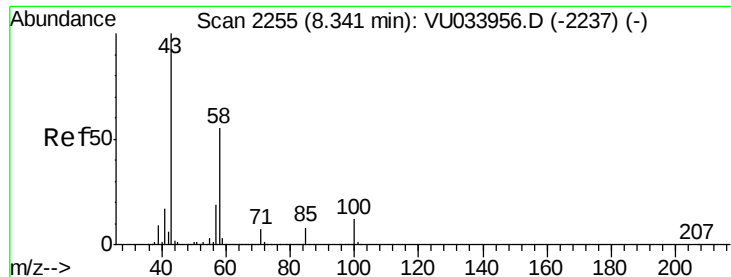
MMDadoda
 8/27/2019 12:16:56 PM



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

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





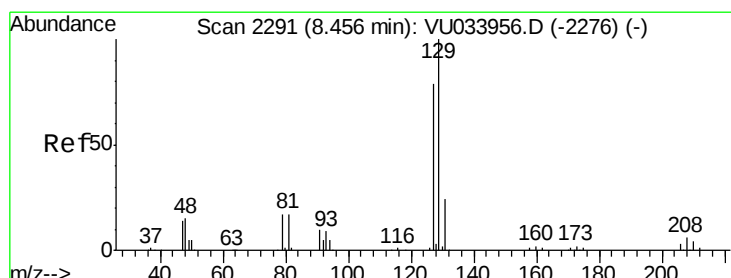
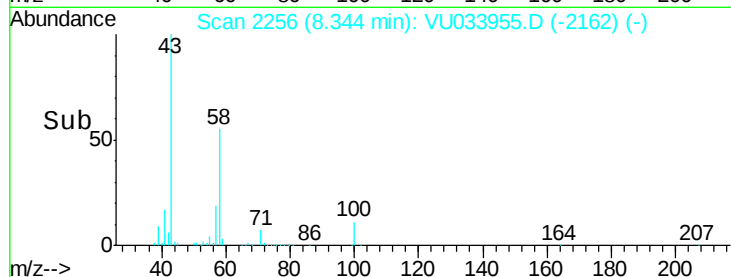
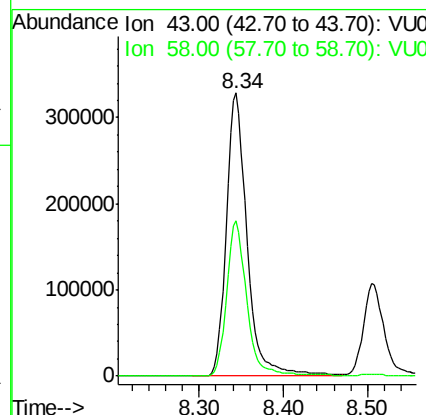
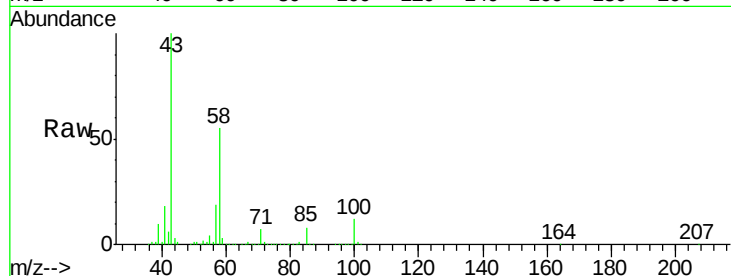
#59
2-Hexanone
Concen: 86.259 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.3	81.9

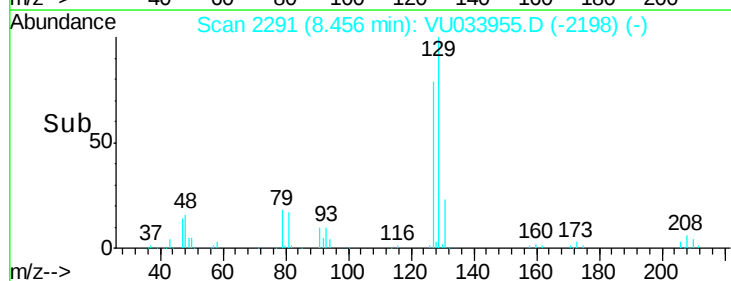
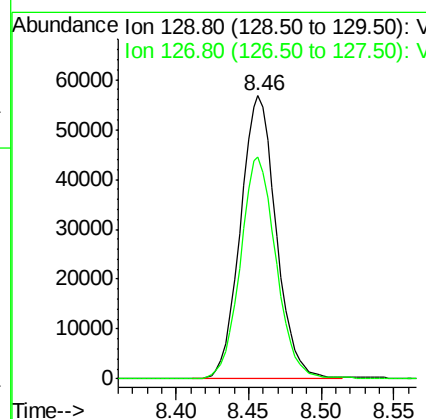
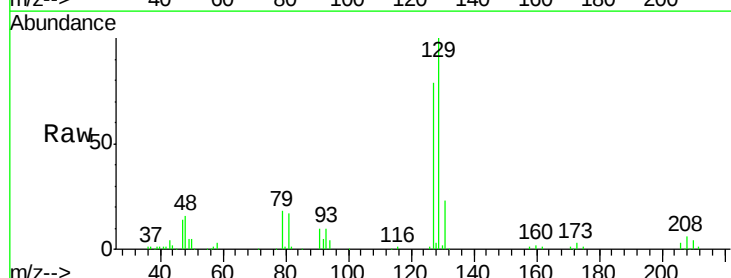
Manual Integrations
APPROVED

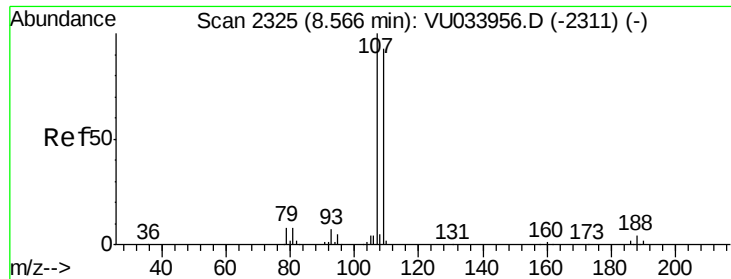
MMDadoda
8/27/2019 12:16:56 PM



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

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.974 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 98619

Ion Ratio Lower Upper

107 100

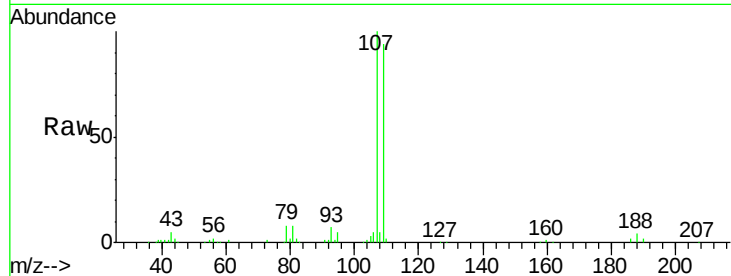
109 95.2 74.7 112.1

Manual Integrations

APPROVED

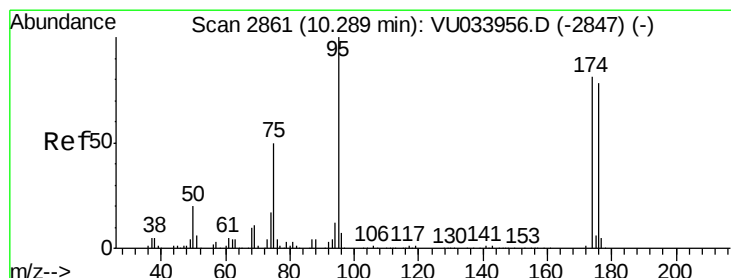
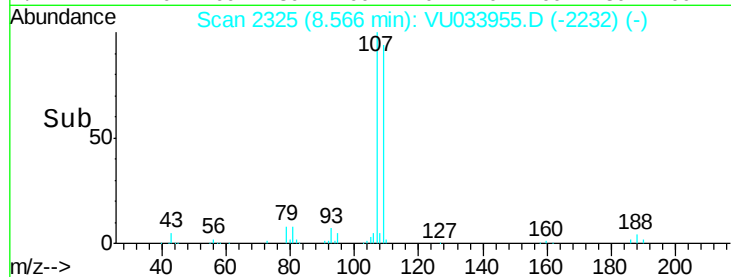
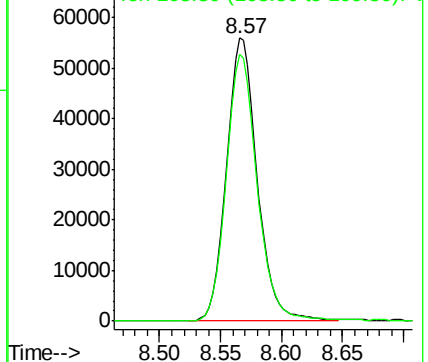
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 21.336 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

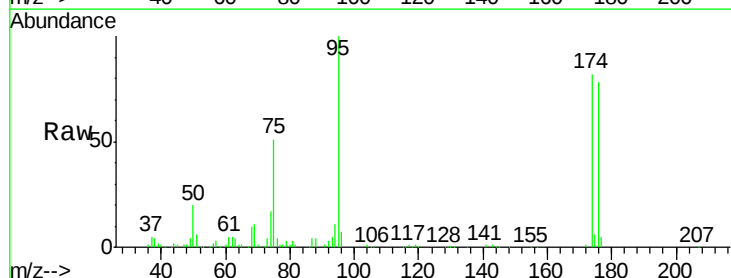
Tgt Ion: 95 Resp: 117752

Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.4

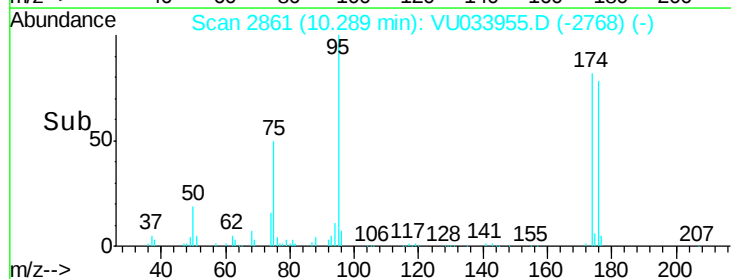
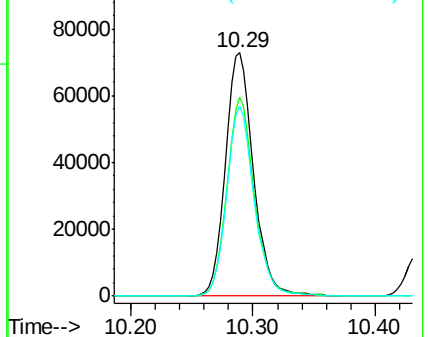
176 76.5 0.0 154.2

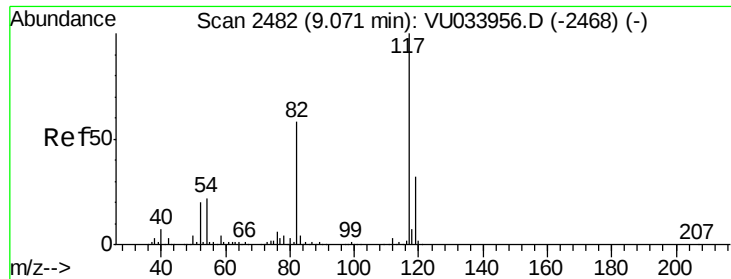


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





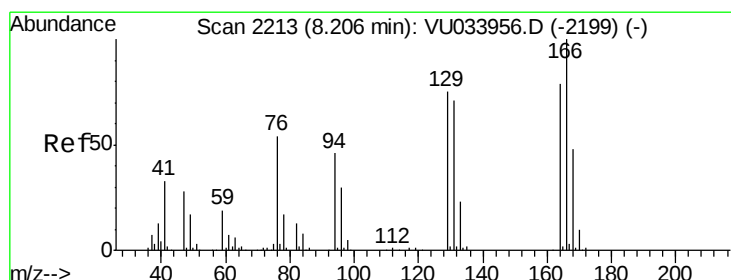
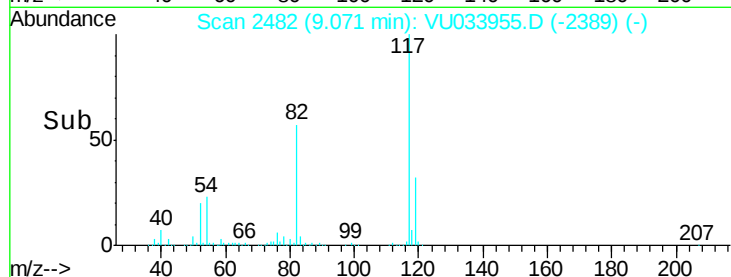
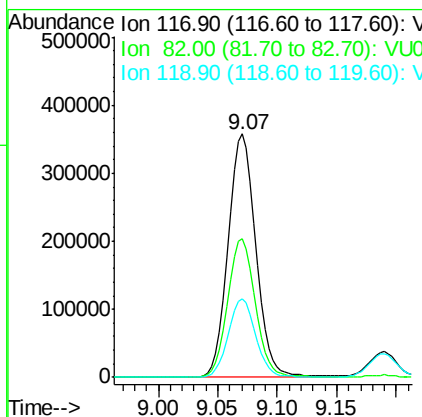
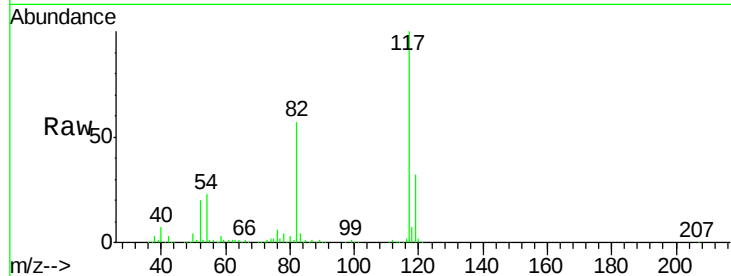
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

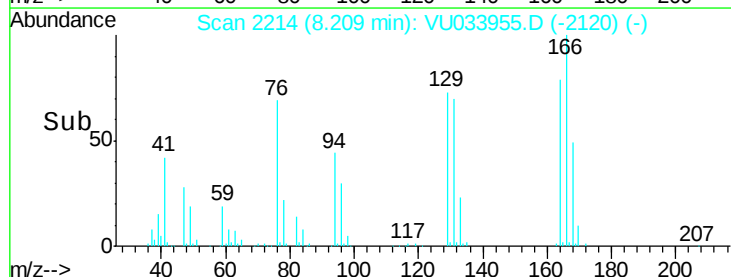
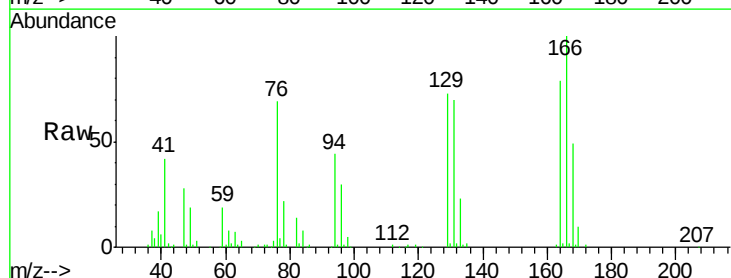
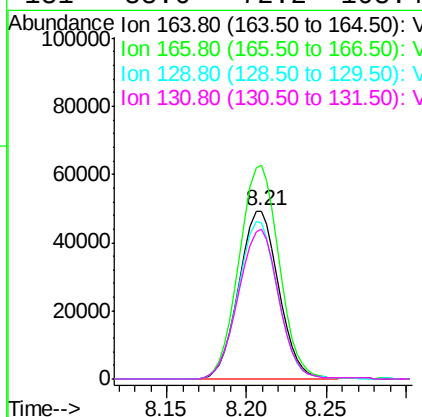
Manual Integrations
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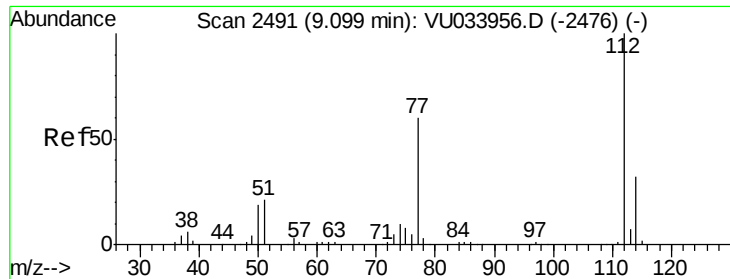
MMDadoda
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#64
Tetrachloroethene
Concen: 21.519 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83913		
166	126.9		101.4	152.2
129	92.7		76.6	114.8
131	88.6		72.2	108.4





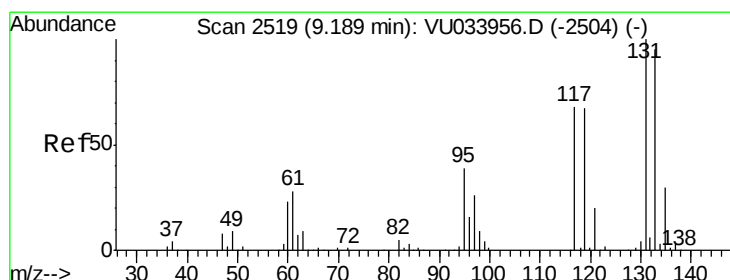
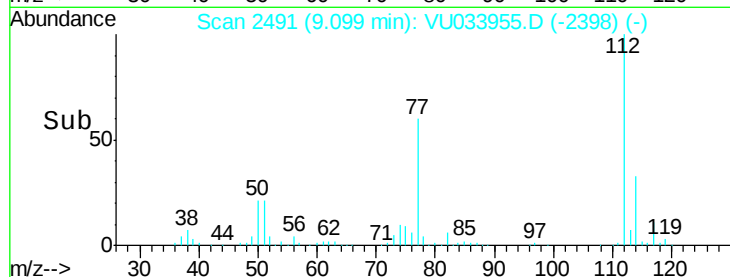
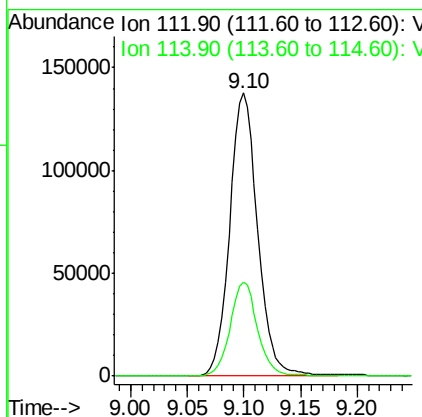
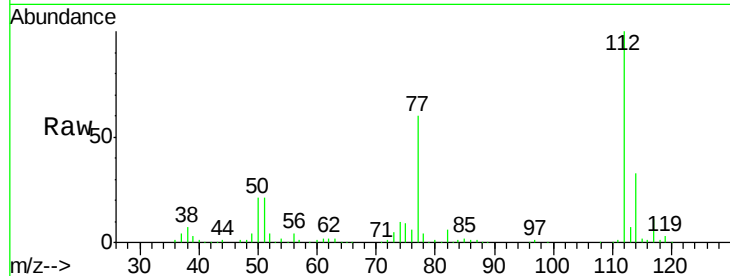
#65
Chlorobenzene
Concen: 19.323 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

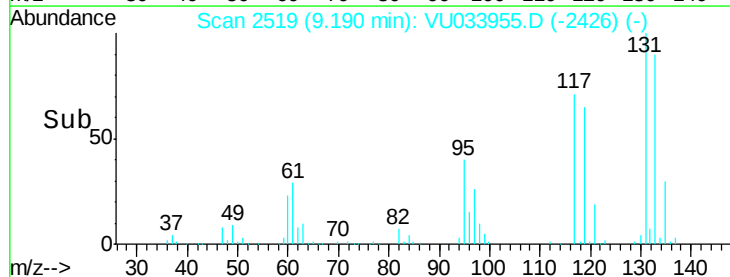
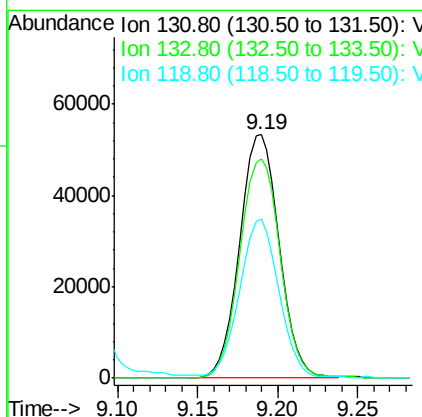
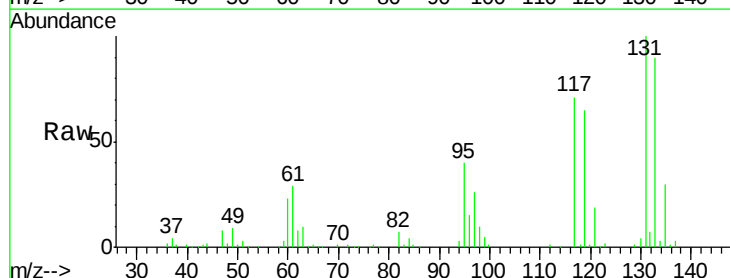
Manual Integrations
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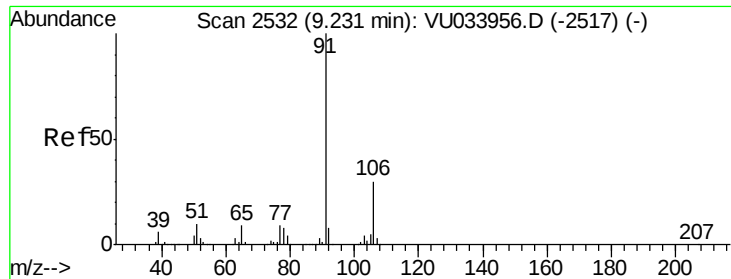
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.497 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

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





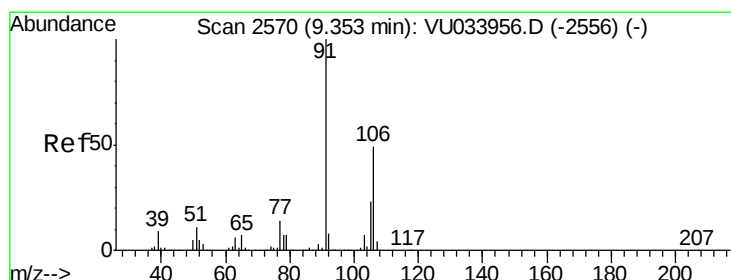
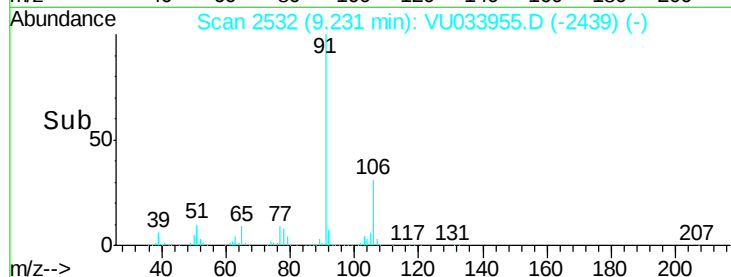
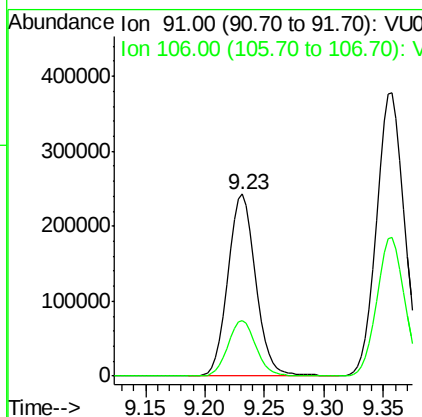
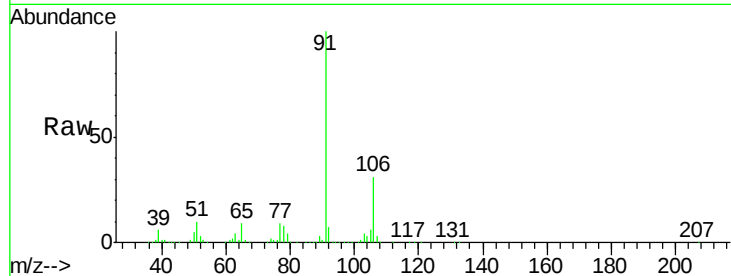
#67
Ethyl Benzene
Concen: 17.634 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5

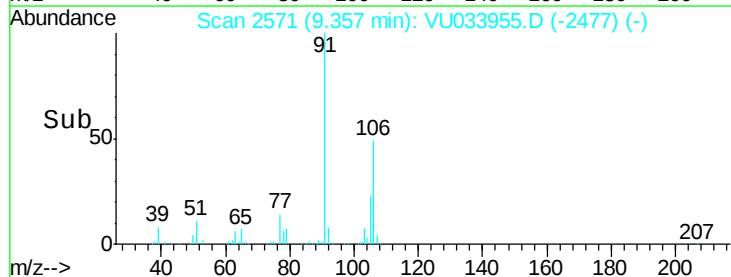
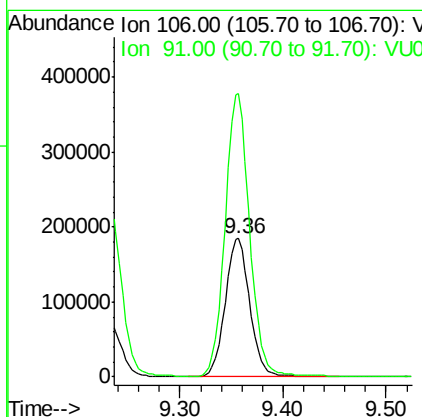
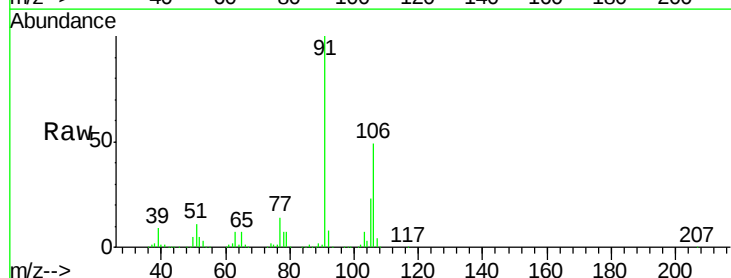
Manual Integrations
APPROVED

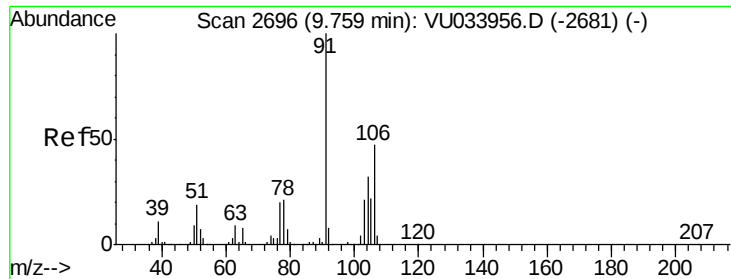
MMDadoda
8/27/2019 12:16:56 PM



#68
m/p-Xylenes
Concen: 37.249 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.2	163.8	245.6





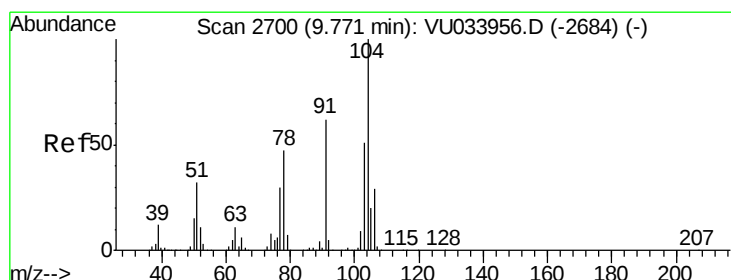
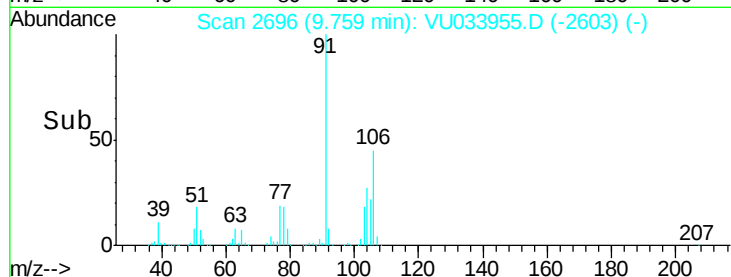
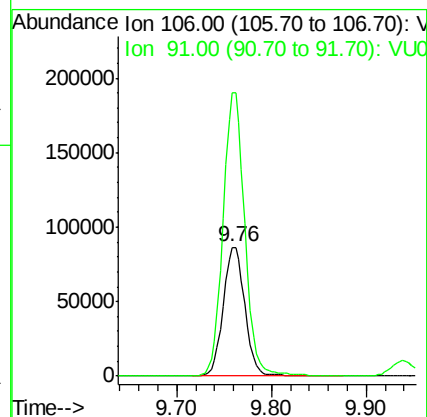
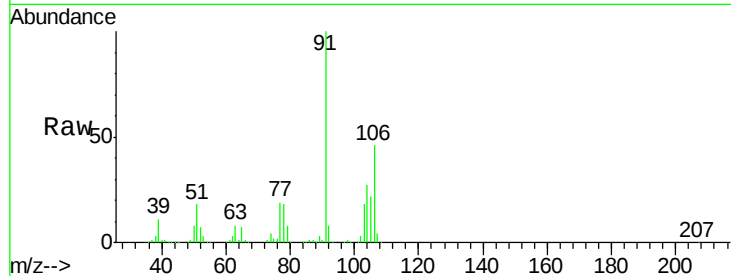
#69
o-Xylene
Concen: 17.418 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

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

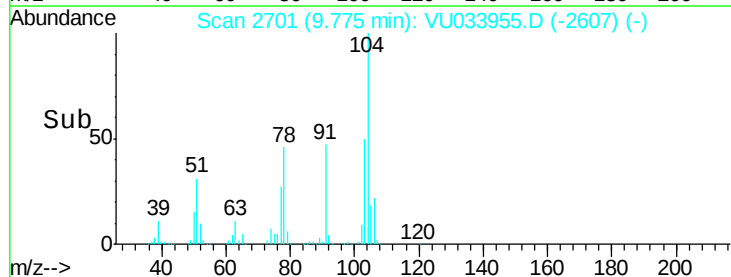
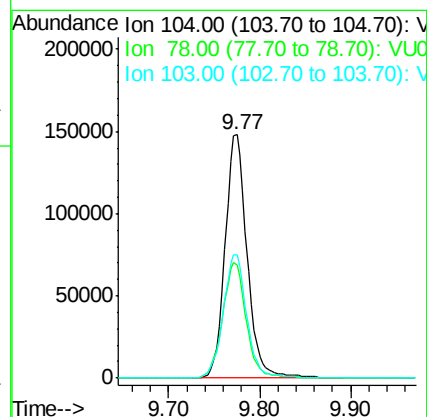
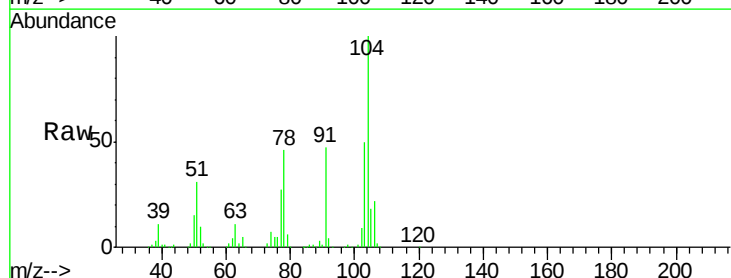
Manual Integrations
APPROVED

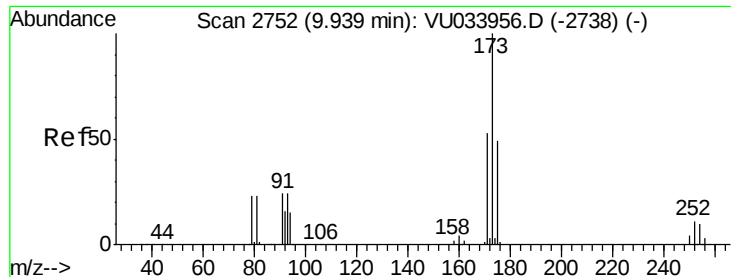
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#70
Styrene
Concen: 18.802 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

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





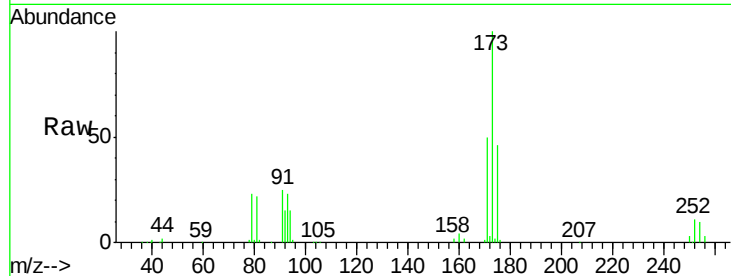
#71
Bromoform
Concen: 21.562 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

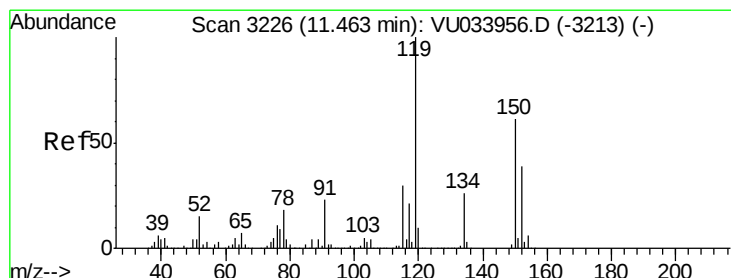
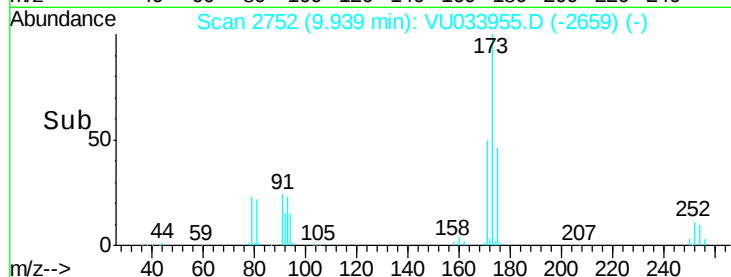
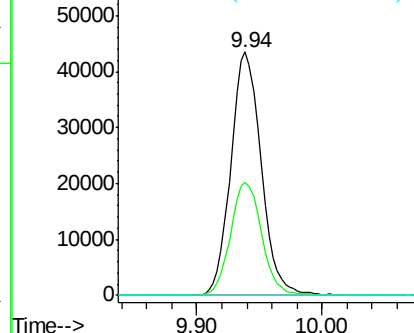
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.8	74.3
254	0.0	0.1	0.1#

Manual Integrations
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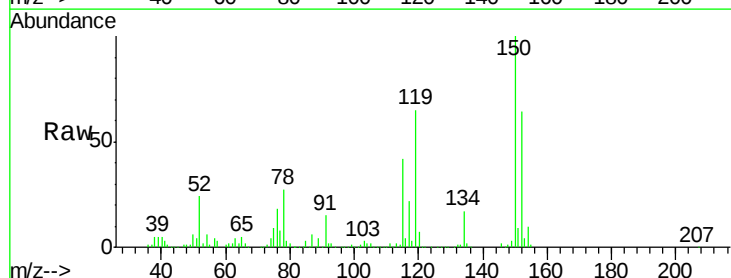


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

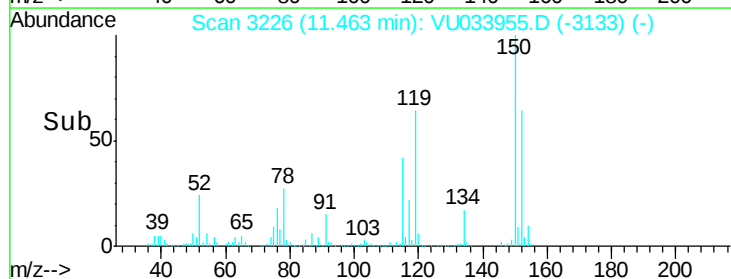
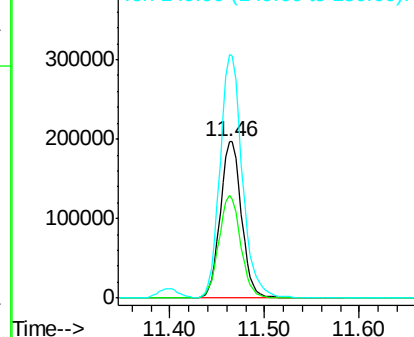


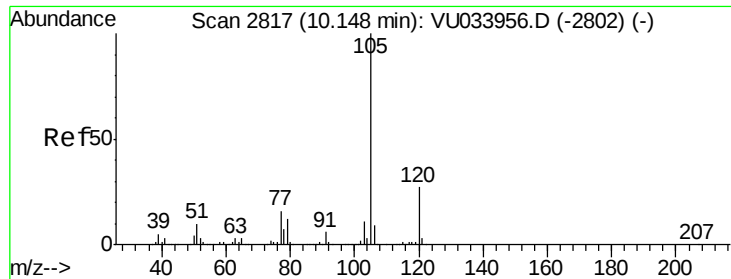
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.3	40.3	120.9
150	162.3	0.0	346.0



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





#73

Isopropylbenzene

Concen: 16.653 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 385215

Ion Ratio Lower Upper

105 100

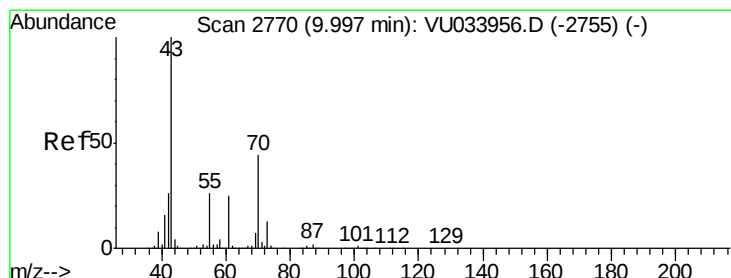
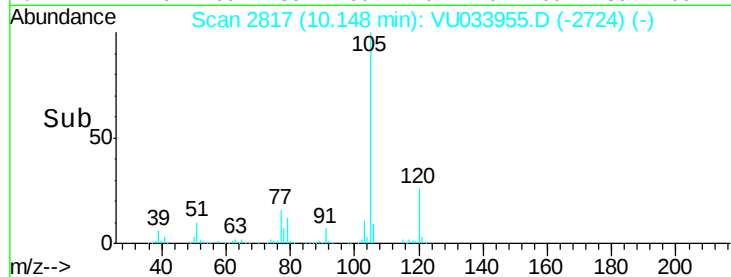
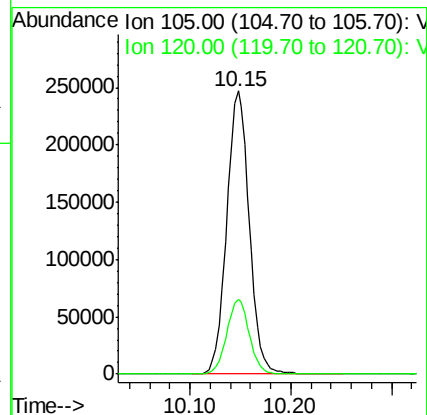
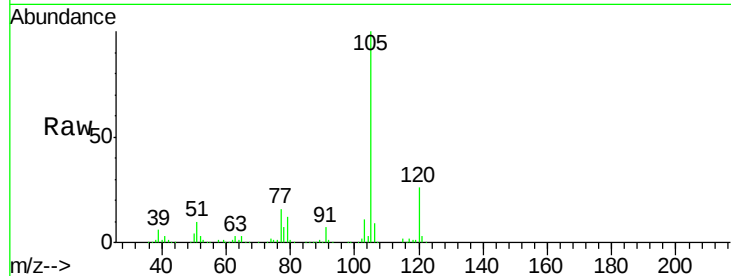
120 26.6 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 12.453 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion: 43 Resp: 161134

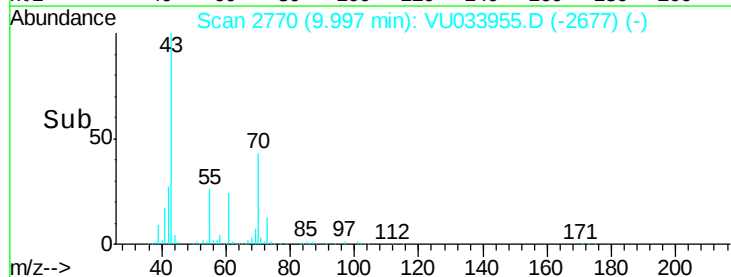
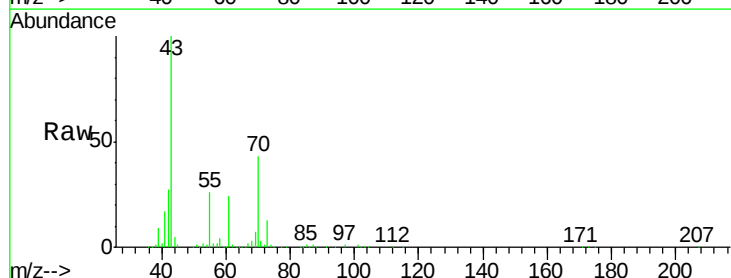
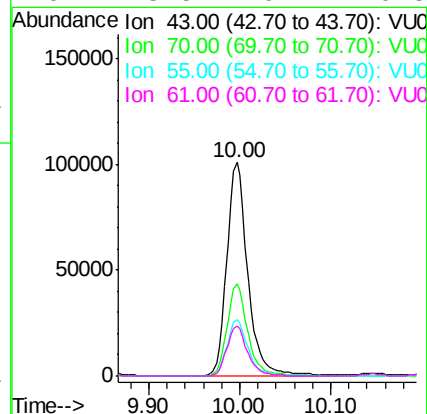
Ion Ratio Lower Upper

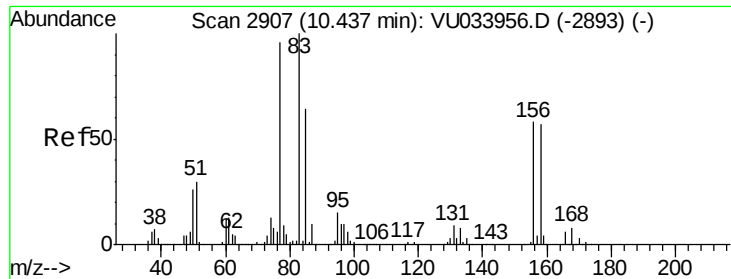
43 100

70 42.6 34.5 51.7

55 26.8 20.9 31.3

61 23.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.014 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 159953

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

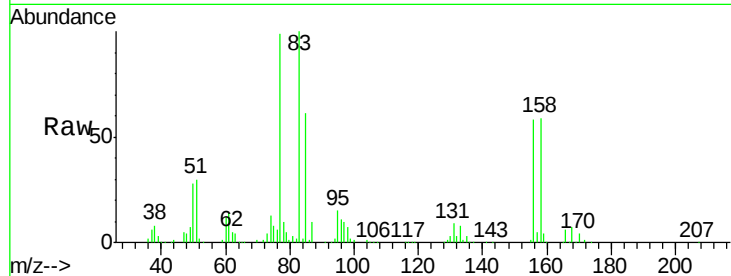
85 63.9 32.4 97.0

Manual Integrations

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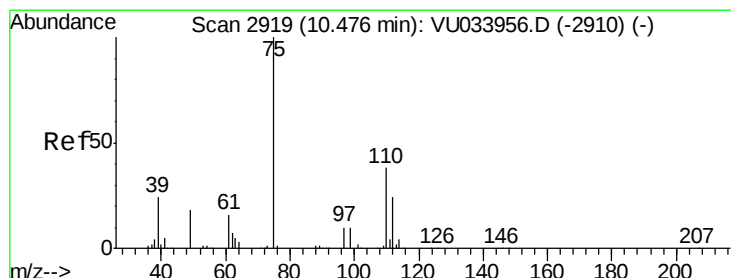
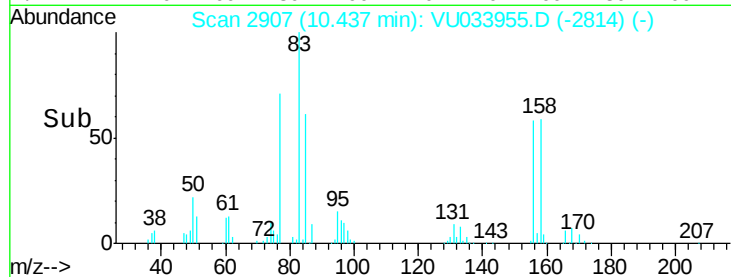
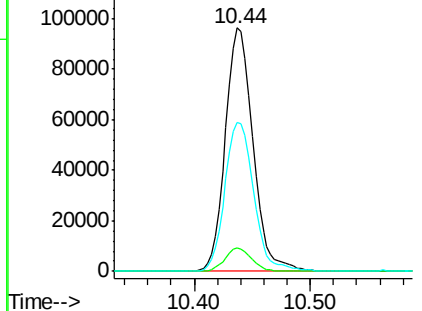
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Abundance Ion 82.90 (82.60 to 83.60): VU033955.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU033955.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU033955.D (-2814) (-)



#76

1,2,3-Trichloropropane

Concen: 18.533 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033955.D

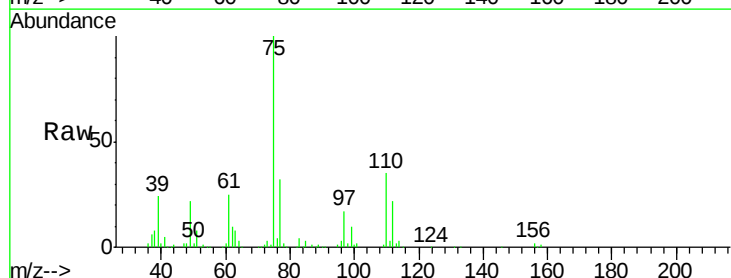
Acq: 26 Aug 2019 17:27

Tgt Ion: 75 Resp: 143094

Ion Ratio Lower Upper

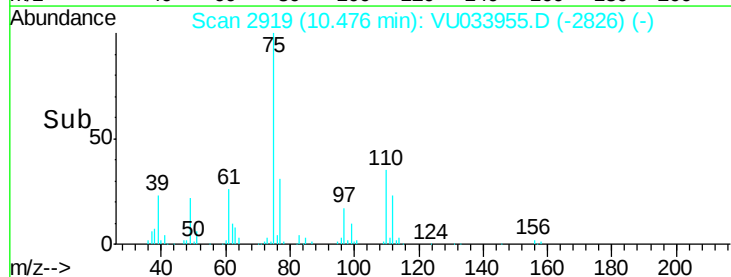
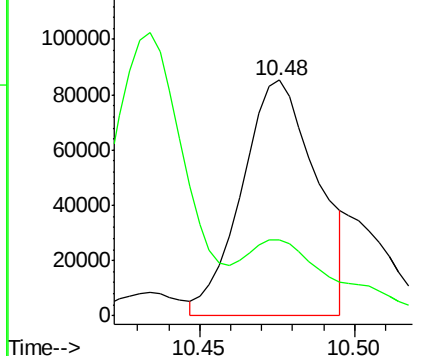
75 100

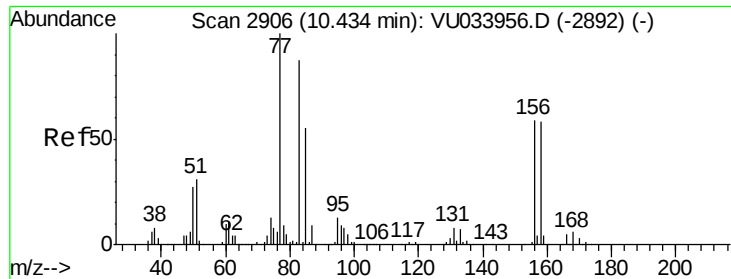
77 40.5 20.1 60.3



Abundance Ion 74.90 (74.60 to 75.60): VU033955.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033955.D (-2826) (-)





#77

Bromobenzene

Concen: 18.266 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

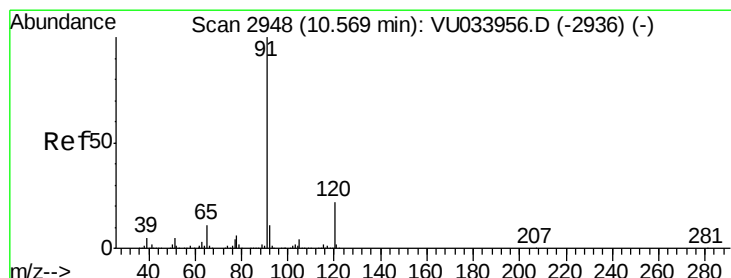
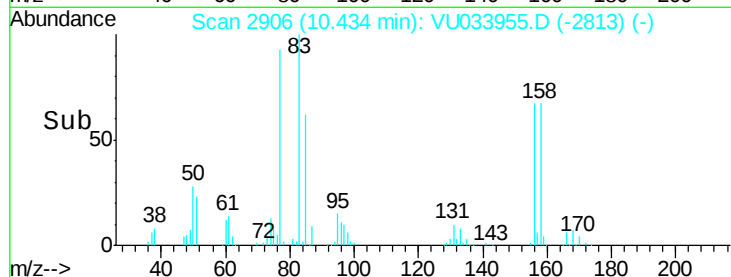
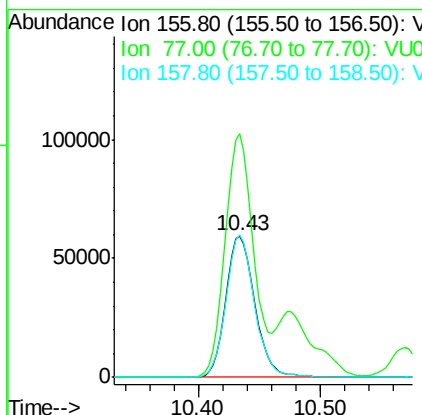
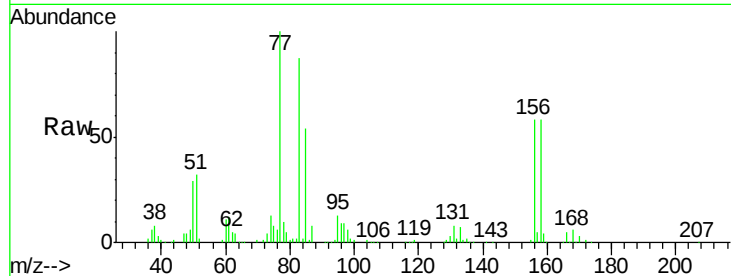
ClientSampleId :

VSTDIC020

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

Manual Integrations
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#78

n-propylbenzene

Concen: 16.177 ug/l

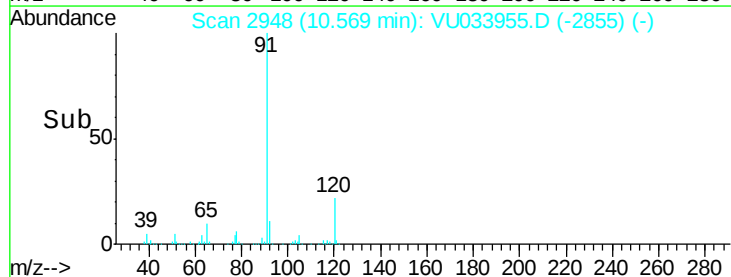
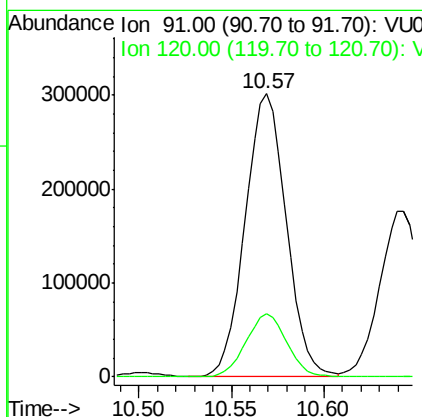
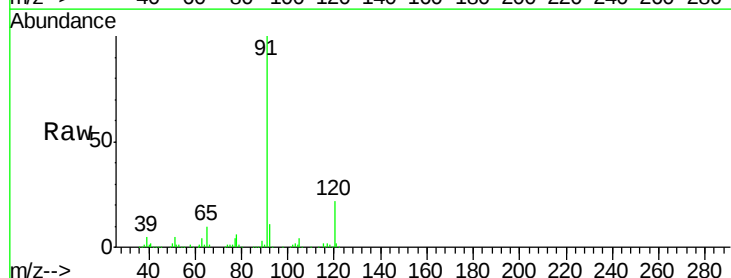
RT: 10.57 min Scan# 2948

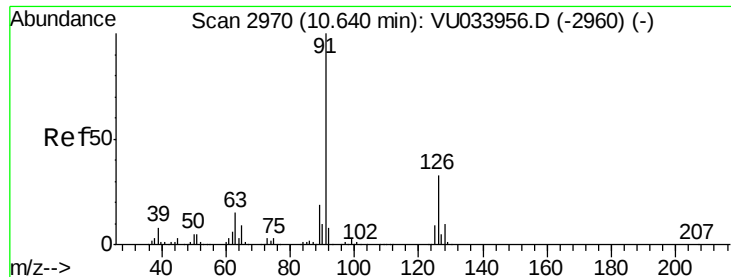
Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

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





#79

2-Chlorotoluene

Concen: 17.098 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 281792

Ion Ratio Lower Upper

91 100

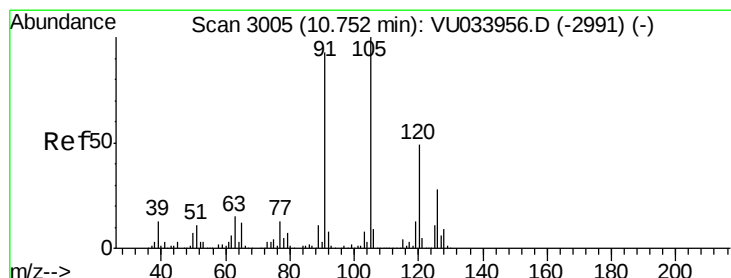
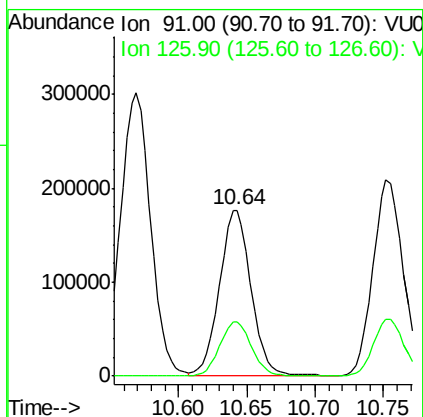
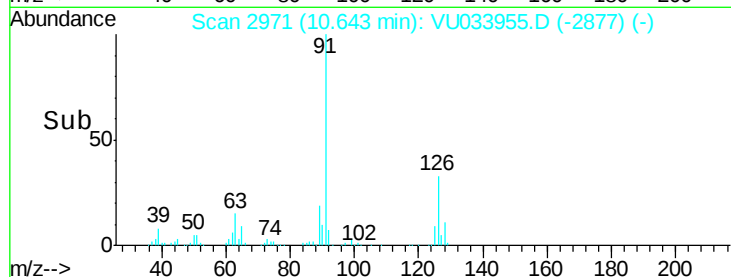
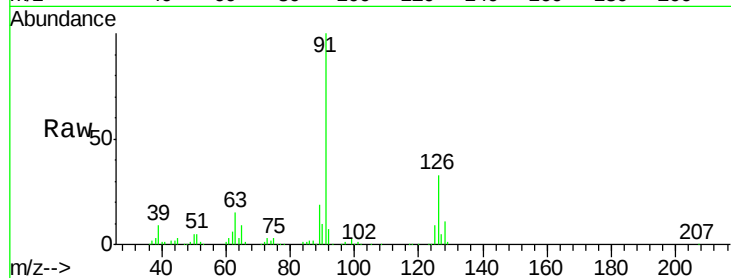
126 33.3 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 17.571 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU033955.D

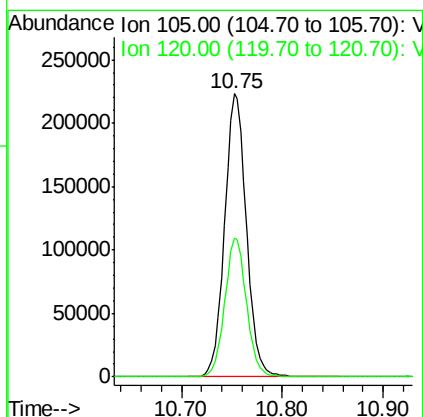
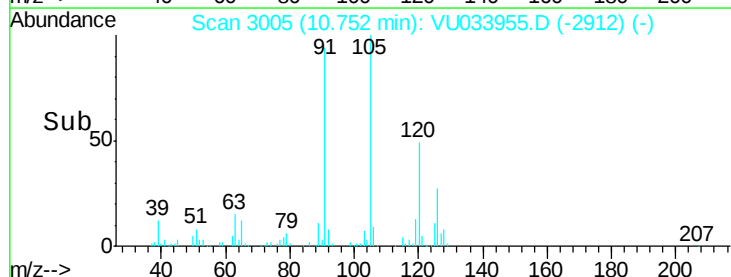
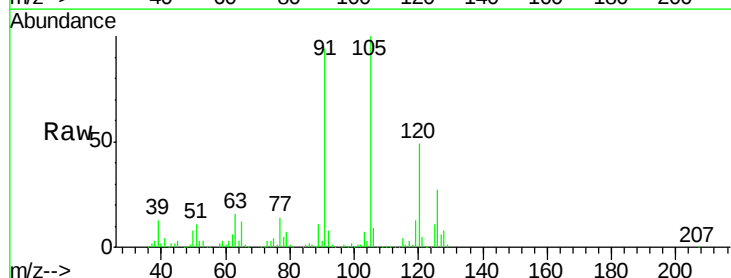
Acq: 26 Aug 2019 17:27

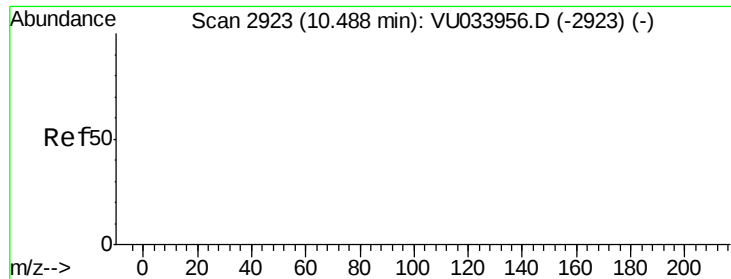
Tgt Ion: 105 Resp: 337445

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8





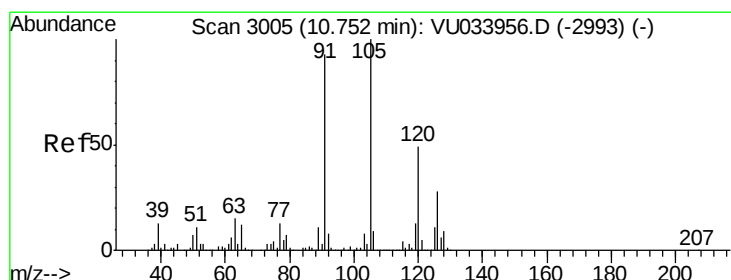
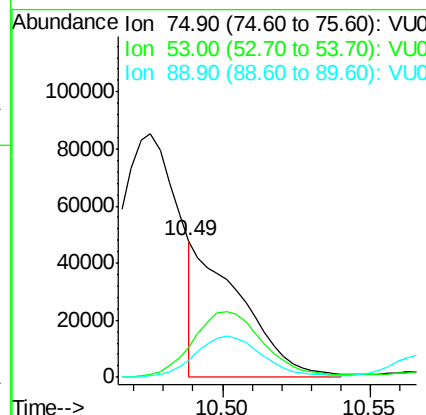
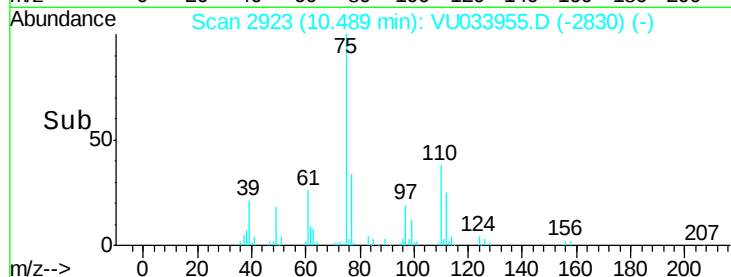
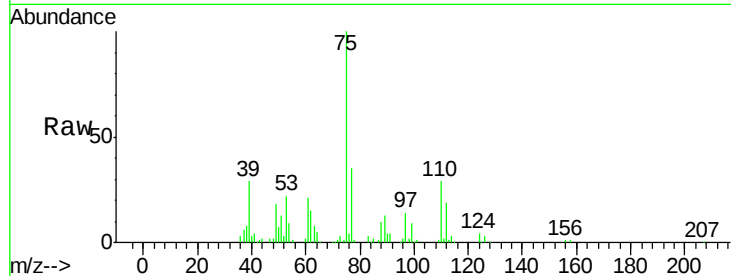
#81
trans-1,4-Dichloro-2-butene
Concen: 15.938 ug/l m
RT: 10.49 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

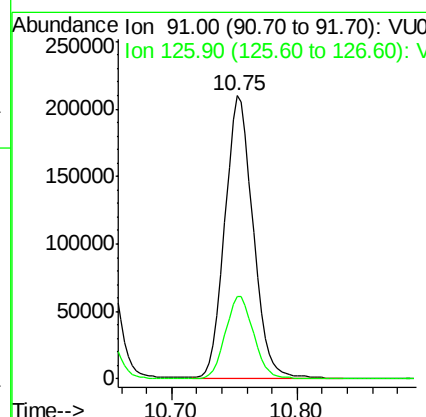
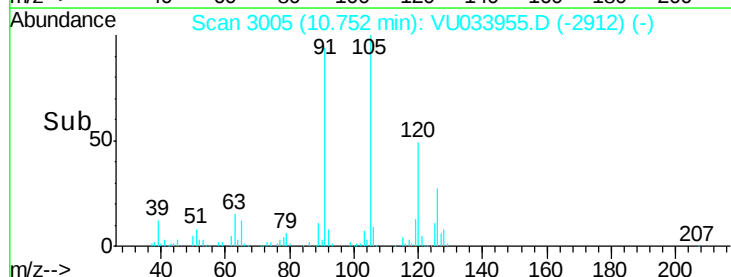
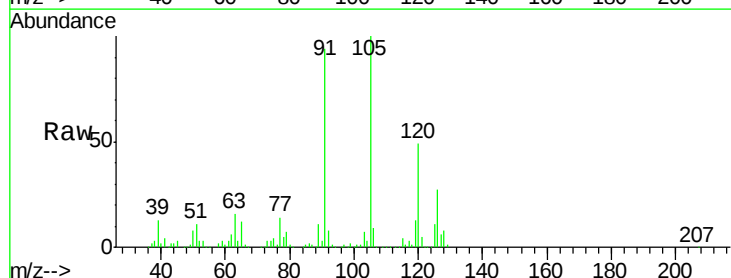
Manual Integrations
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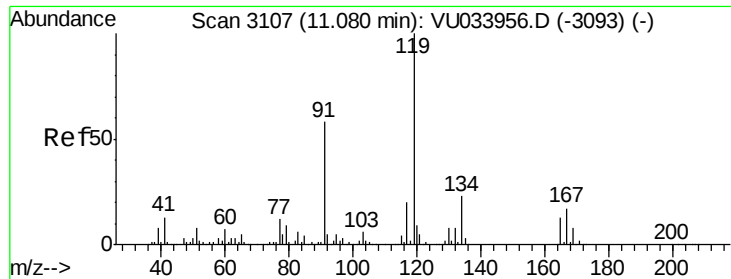
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#82
4-Chlorotoluene
Concen: 16.611 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





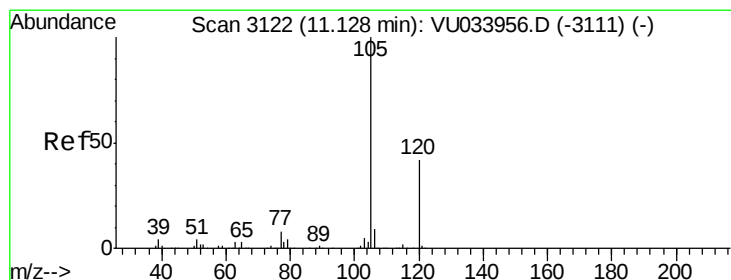
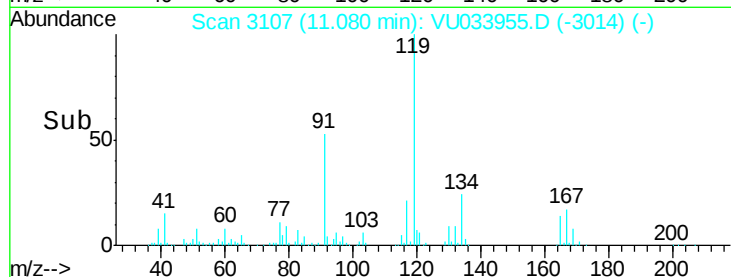
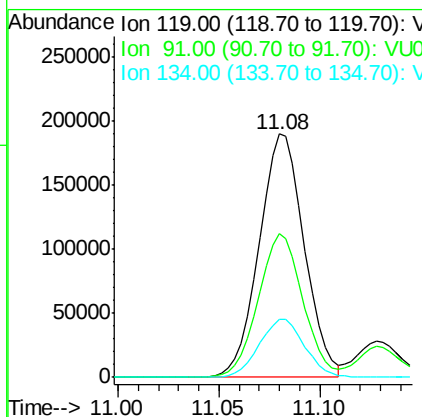
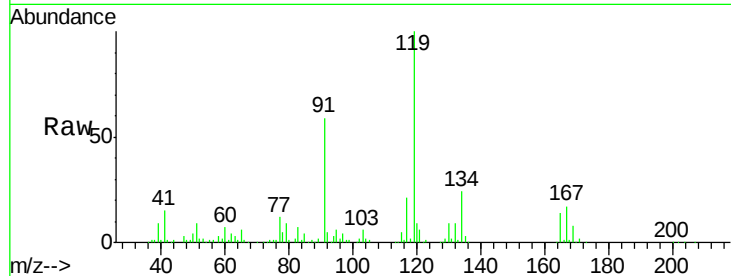
#83
tert-Butylbenzene
Concen: 16.013 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

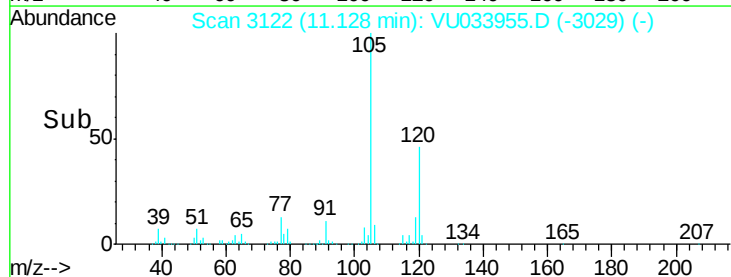
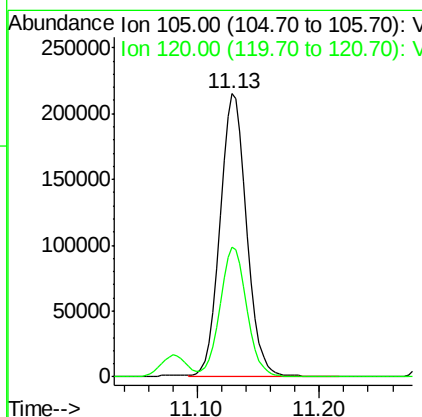
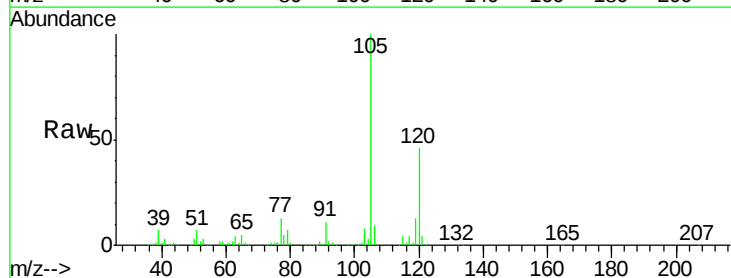
Manual Integrations
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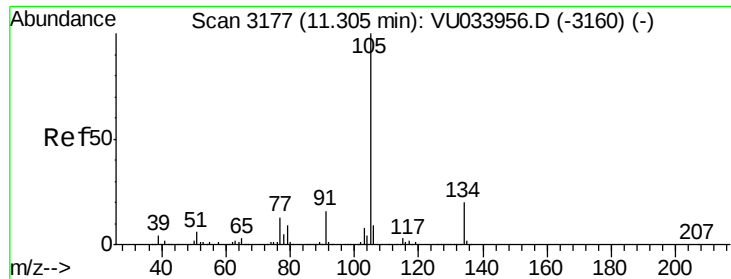
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#84
1,2,4-Trimethylbenzene
Concen: 16.660 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

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





#85

sec-Butylbenzene

Concen: 16.060 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 378932

Ion Ratio Lower Upper

105 100

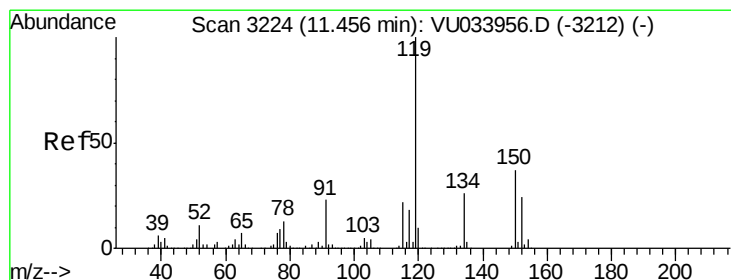
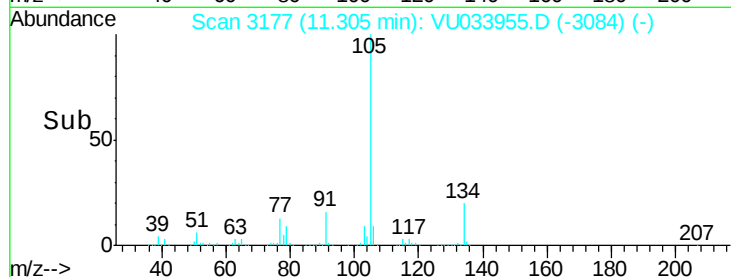
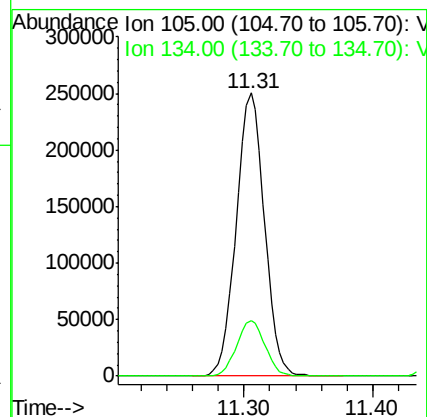
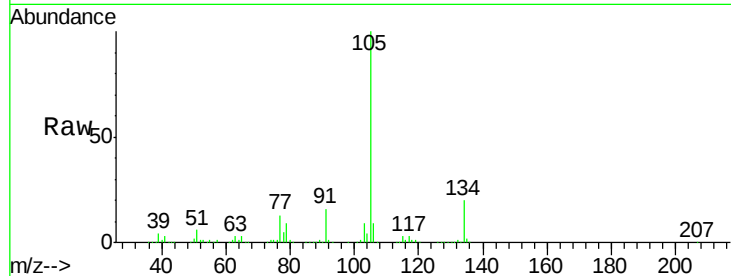
134 19.8 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 17.129 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

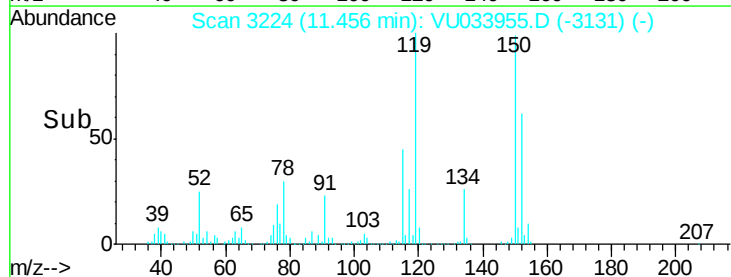
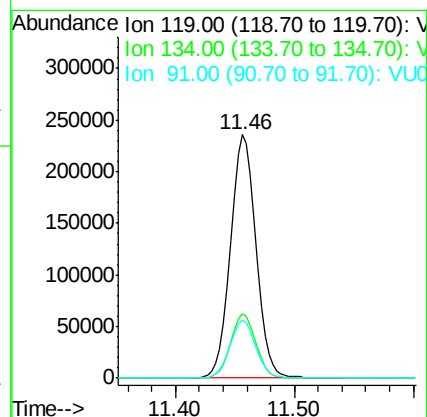
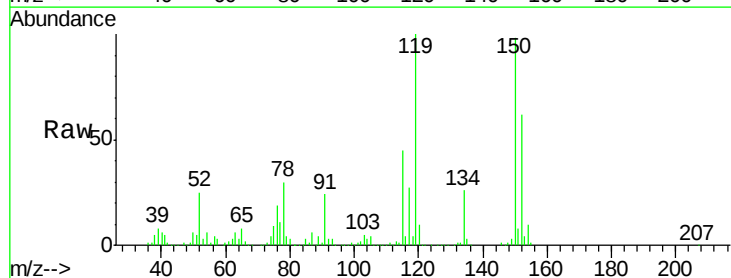
Tgt Ion:119 Resp: 348011

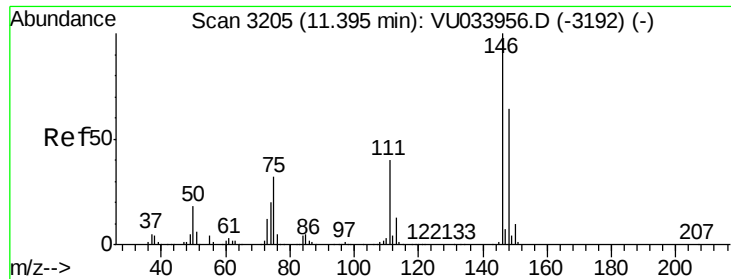
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 23.9 11.6 34.7





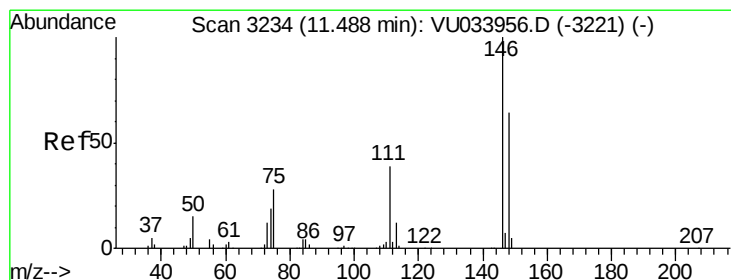
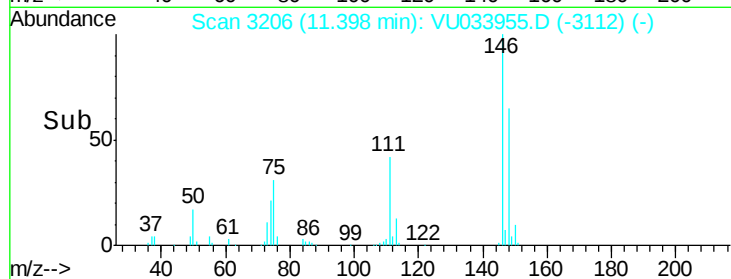
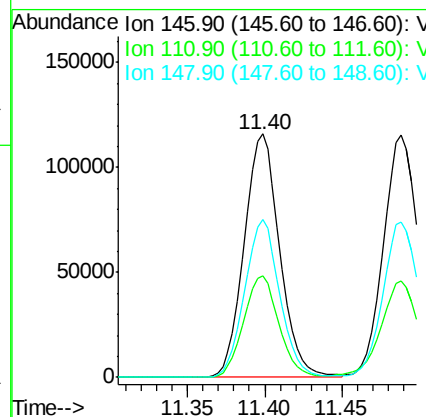
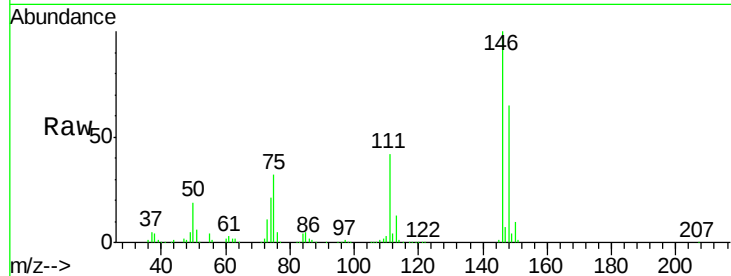
#87
 1,3-Dichlorobenzene
 Concen: 17.936 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.2
148	63.9	31.8	95.4

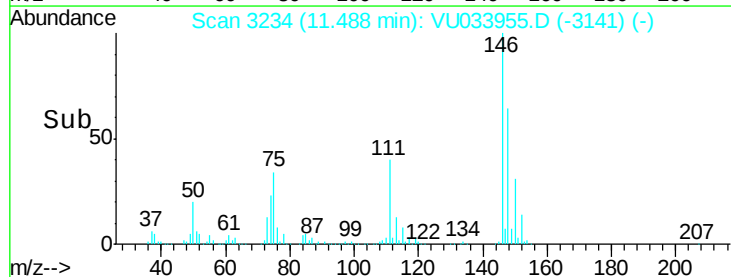
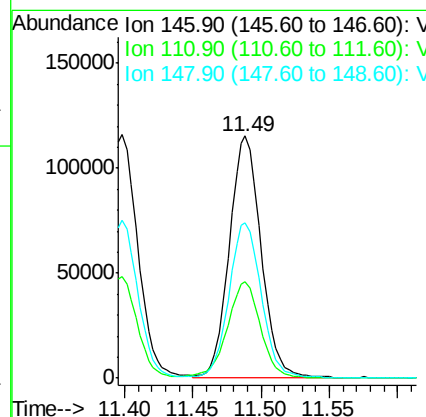
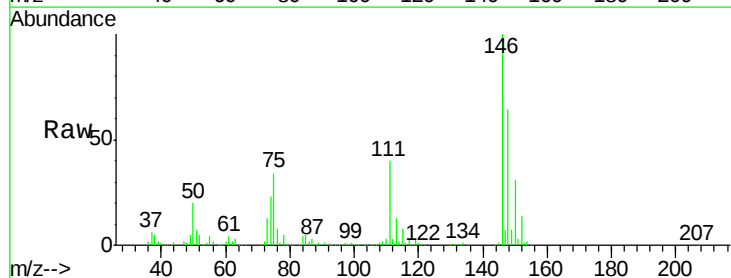
Manual Integrations
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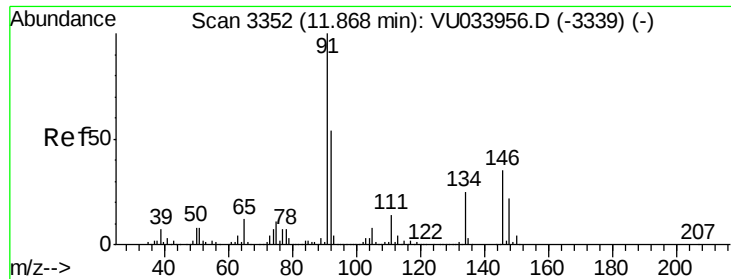
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#88
 1,4-Dichlorobenzene
 Concen: 17.363 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.8	59.4
148	65.7	32.2	96.6





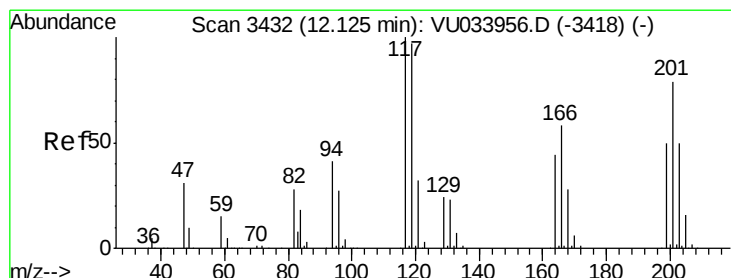
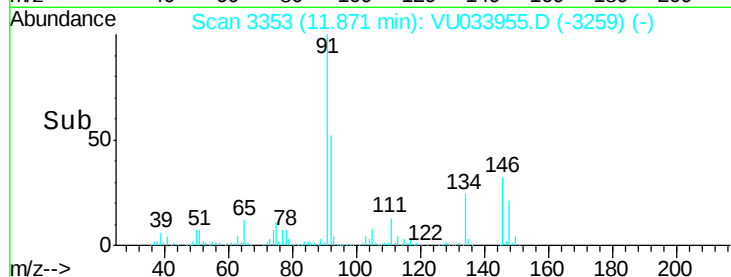
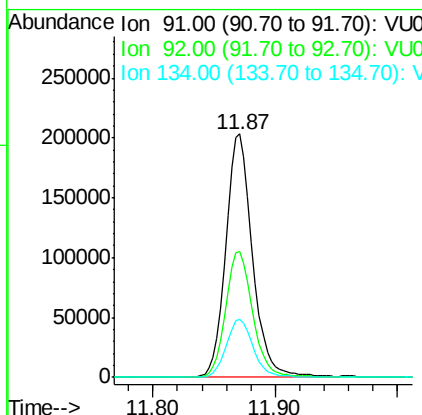
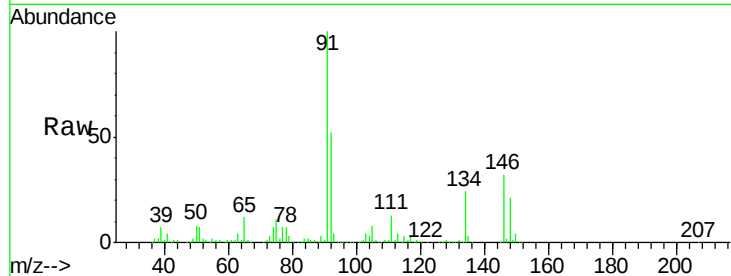
#89
n-Butylbenzene
Concen: 15.434 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

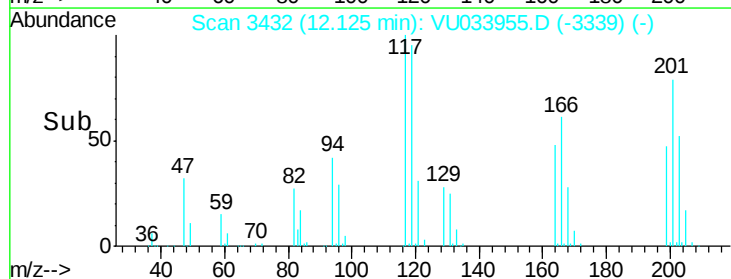
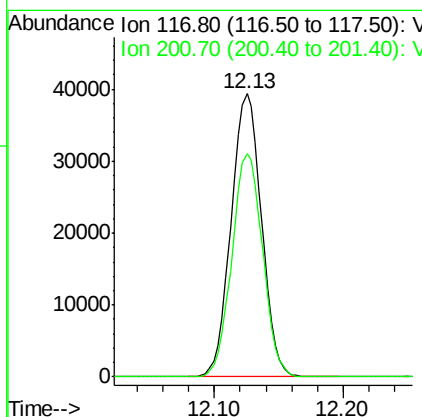
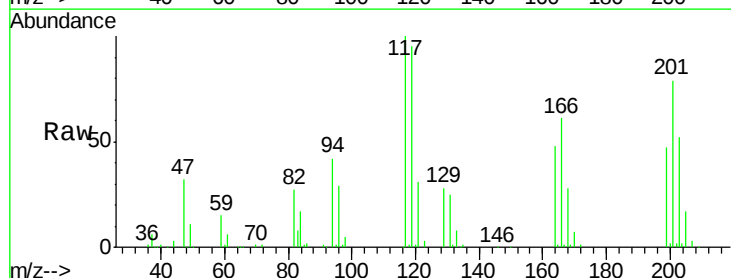
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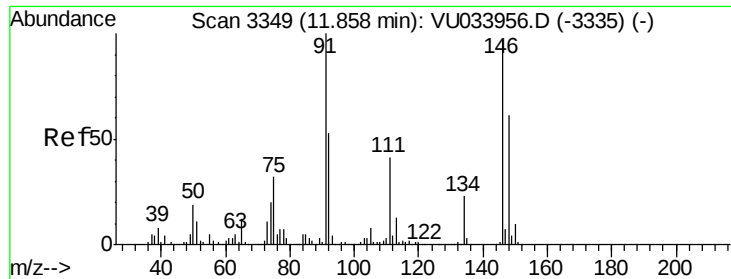
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#90
Hexachloroethane
Concen: 20.459 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033955.D
Acq: 26 Aug 2019 17:27

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





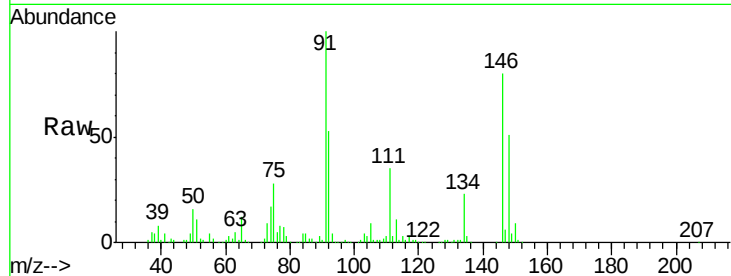
#91
 1,2-Dichlorobenzene
 Concen: 17.225 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.1
148	64.3	31.7	95.1

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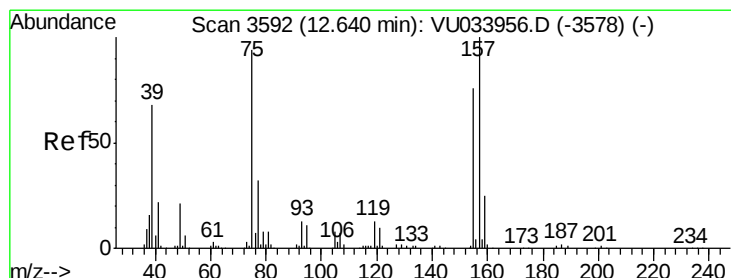
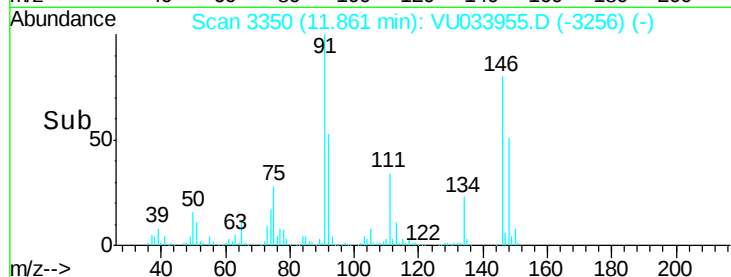
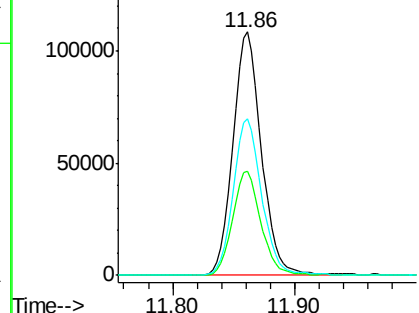


Abundance

Ion 145.90 (145.60 to 146.60): V

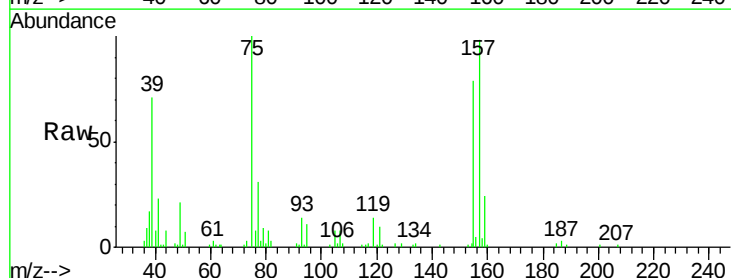
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.947 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.0	119.9
157	103.5	51.9	155.7

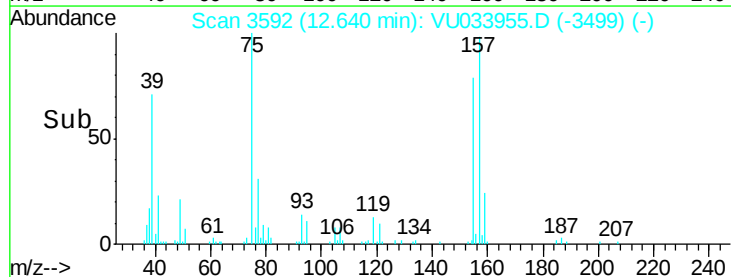
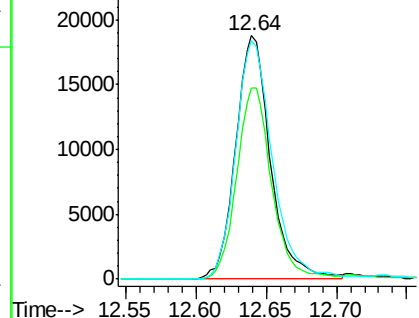


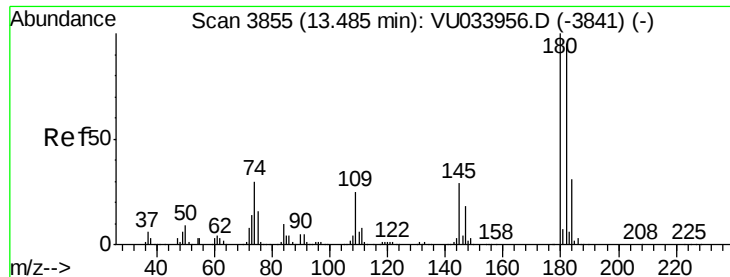
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





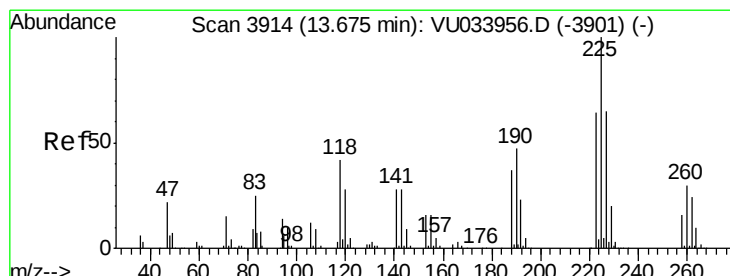
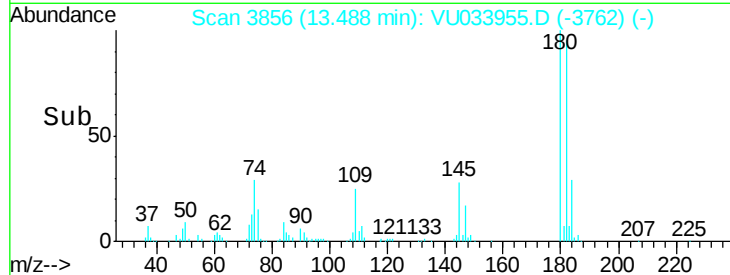
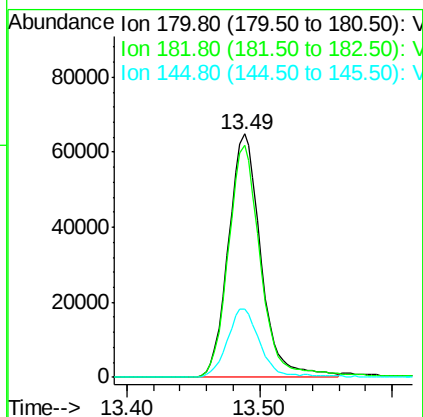
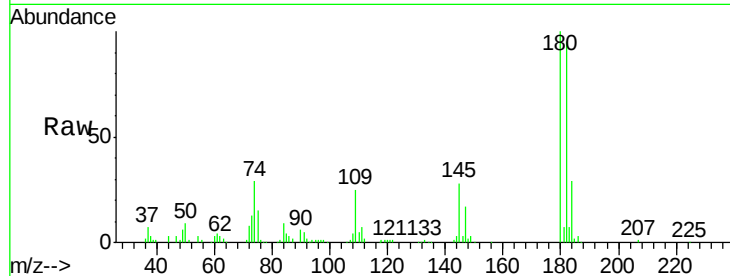
#93
 1,2,4-Trichlorobenzene
 Concen: 15.021 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

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

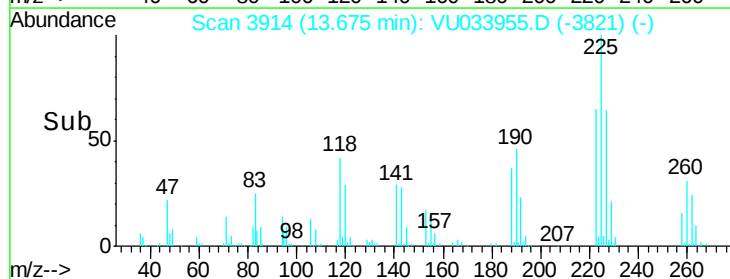
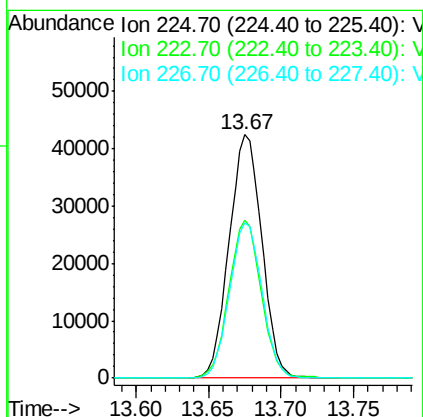
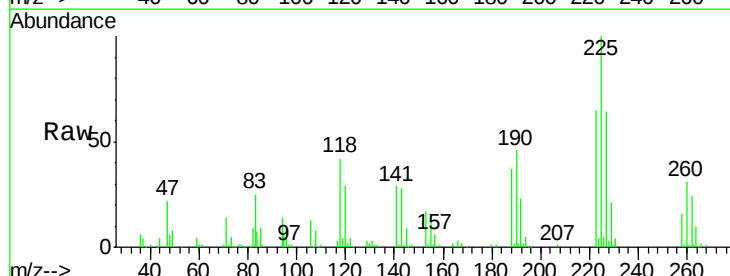
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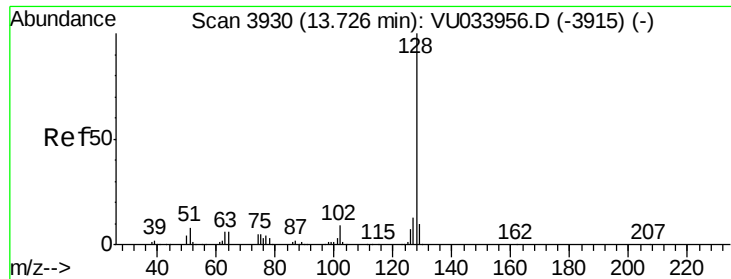
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#94
 Hexachlorobutadiene
 Concen: 19.330 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033955.D
 Acq: 26 Aug 2019 17:27

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





#95

Naphthalene

Concen: 12.026 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Instrument :

MSVOA_U

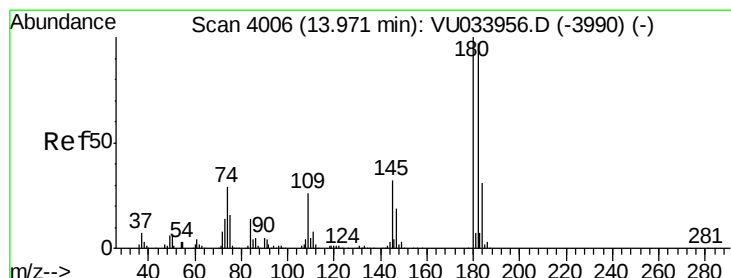
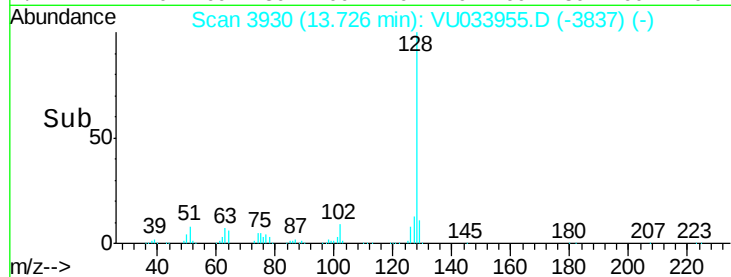
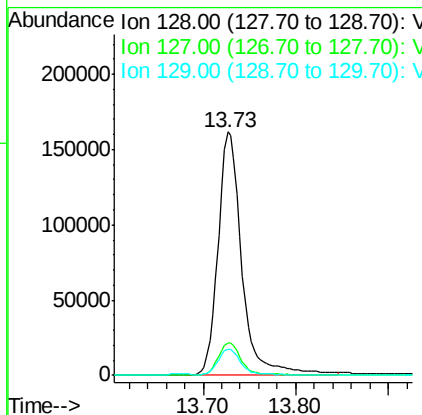
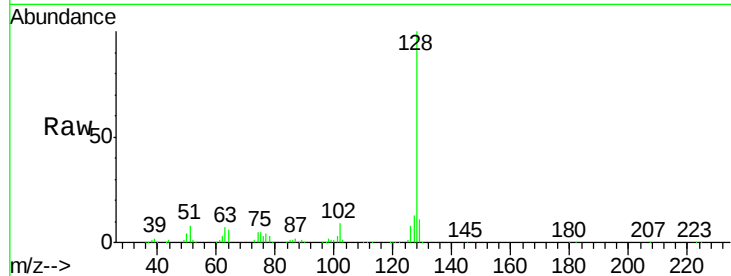
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	290016
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.0	8.3	12.5

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 15.080 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033955.D

Acq: 26 Aug 2019 17:27

Tgt Ion:	180	Resp:	111248
Ion Ratio	Lower	Upper	
180	100		
182	98.2	48.6	145.8
145	31.1	15.7	47.0

