

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033962.D
 Acq On : 26 Aug 2019 20:59
 Operator : JC/SP
 Sample : VU0827WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:27 PM

Quant Time: Aug 27 08:18:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	387838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	641980	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	634847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	290828	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	4.86	113	222549	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	7.54	98	844765	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	10.29	95	305712	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	94931	20.962	ug/l 97
3) Chloromethane	1.32	50	120397	21.490	ug/l 100
4) Vinyl Chloride	1.39	62	124913	20.442	ug/l 98
5) Bromomethane	1.60	94	67899	20.015	ug/l 97
6) Chloroethane	1.68	64	75954	19.719	ug/l 99
7) Trichlorofluoromethane	1.87	101	141571	19.462	ug/l 99
8) Diethyl Ether	2.09	74	58114	18.595	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.27	101	85978	20.463	ug/l 98
10) Methyl Iodide	2.39	142	113812	22.247	ug/l 99
11) Tert butyl alcohol	2.81	59	127980	109.866	ug/l 100
12) 1,1-Dichloroethene	2.26	96	89143	20.692	ug/l 98
13) Acrolein	2.18	56	75036	108.315	ug/l 99
14) Allyl chloride	2.57	41	151224	19.554	ug/l 99
15) Acrylonitrile	2.91	53	327545	106.836	ug/l 100
16) Acetone	2.30	43	297629	89.717	ug/l 98
17) Carbon Disulfide	2.46	76	281806	19.726	ug/l 98
18) Methyl Acetate	2.60	43	151431	20.456	ug/l 98
19) Methyl tert-butyl Ether	2.98	73	297248	21.587	ug/l 99
20) Methylene Chloride	2.68	84	103789	19.508	ug/l 98
21) trans-1,2-Dichloroethene	2.96	96	94324	19.872	ug/l 98
22) Diisopropyl ether	3.54	45	321571	21.507	ug/l 95
23) Vinyl Acetate	3.50	43	1367419	110.355	ug/l 100
24) 1,1-Dichloroethane	3.42	63	185710	20.286	ug/l 99
25) 2-Butanone	4.23	43	441753	103.038	ug/l 100
26) 2,2-Dichloropropane	4.20	77	138556	18.666	ug/l 100
27) cis-1,2-Dichloroethene	4.20	96	105606	20.747	ug/l 97
28) Bromochloromethane	4.52	49	91611	20.544	ug/l 100
29) Tetrahydrofuran	4.61	42	283289	109.241	ug/l 100
30) Chloroform	4.65	83	179211	19.730	ug/l 98
31) Cyclohexane	4.97	56	170880	21.106	ug/l 98
32) 1,1,1-Trichloroethane	4.89	97	149741	20.162	ug/l 98
36) 1,1-Dichloropropene	5.11	75	131243	19.800	ug/l 99
37) Ethyl Acetate	4.35	43	160192	20.415	ug/l 99
38) Carbon Tetrachloride	5.11	117	126716	19.197	ug/l 99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	147256	20.069	ug/l	98
40) Benzene	5.36	78	399908	20.301	ug/l	100
41) Methacrylonitrile	4.51	41	84728	21.427	ug/l	98
42) 1,2-Dichloroethane	5.38	62	145886	20.057	ug/l	98
43) Isopropyl Acetate	5.52	43	241680	20.999	ug/l	100
44) Trichloroethene	6.16	130	97786	19.180	ug/l	98
45) 1,2-Dichloropropane	6.41	63	107603	19.731	ug/l	99
46) Dibromomethane	6.54	93	70774	20.194	ug/l	96
47) Bromodichloromethane	6.73	83	139522	19.687	ug/l	99
48) Methyl methacrylate	6.60	41	111880	20.097	ug/l	98
49) 1,4-Dioxane	6.59	88	52864	452.542	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	815976	104.430	ug/l	99
52) Toluene	7.62	92	238816	20.876	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	149231	20.217	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	167489	20.472	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	97486	19.322	ug/l	99
56) Ethyl methacrylate	8.00	69	146726	20.120	ug/l	99
57) 1,3-Dichloropropane	8.22	76	173373	19.785	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	227488	89.381	ug/l	99
59) 2-Hexanone	8.34	43	623364	104.635	ug/l	100
60) Dibromochloromethane	8.46	129	102647	19.542	ug/l	99
61) 1,2-Dibromoethane	8.57	107	105039	20.080	ug/l	99
64) Tetrachloroethene	8.21	164	87788	19.286	ug/l	97
65) Chlorobenzene	9.10	112	260207	19.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	95357	19.698	ug/l	100
67) Ethyl Benzene	9.23	91	447685	20.812	ug/l	100
68) m/p-Xylenes	9.36	106	338806	42.770	ug/l	99
69) o-Xylene	9.76	106	155549	20.542	ug/l	99
70) Styrene	9.77	104	270478	20.621	ug/l	100
71) Bromoform	9.94	173	79105	19.408	ug/l #	96
73) Isopropylbenzene	10.15	105	426513	22.468	ug/l	100
74) N-amyl acetate	10.00	43	188160	21.012	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	168484	20.741	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	151430m	21.311	ug/l	
77) Bromobenzene	10.43	156	110504	21.804	ug/l	97
78) n-propylbenzene	10.57	91	501026	22.075	ug/l	100
79) 2-Chlorotoluene	10.64	91	302603	22.264	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	360435	22.217	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	49469m	18.563	ug/l	
82) 4-Chlorotoluene	10.75	91	347528	21.753	ug/l	100
83) tert-Butylbenzene	11.08	119	340029	22.402	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	364623	23.071	ug/l	99
85) sec-Butylbenzene	11.31	105	419759	22.045	ug/l	99
86) p-Isopropyltoluene	11.46	119	382588	22.161	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	196323	20.440	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	199255	20.104	ug/l	99
89) n-Butylbenzene	11.87	91	330289	19.773	ug/l	100
90) Hexachloroethane	12.13	117	71576	21.171	ug/l	95
91) 1,2-Dichlorobenzene	11.86	146	190772	20.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	36470	21.869	ug/l	97

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ClientSampleId :
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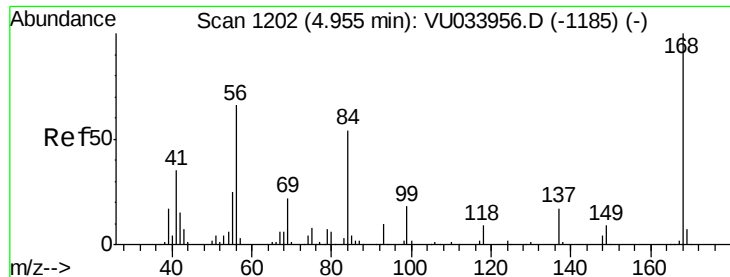
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	111612	19.166	ug/l	98
94) Hexachlorobutadiene	13.67	225	67704	19.717	ug/l	99
95) Naphthalene	13.73	128	315461	18.938	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	116352	19.899	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion:168 Resp: 387838

Ion Ratio Lower Upper

168 100

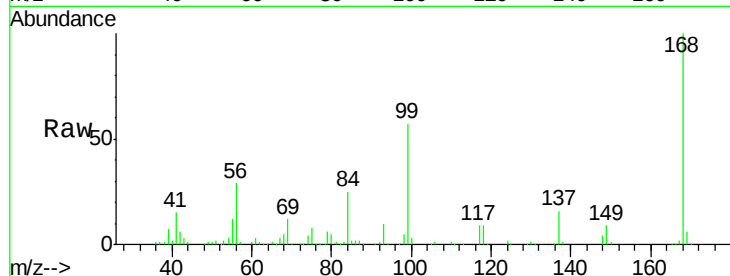
99 56.7 45.5 68.3

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

200000

150000

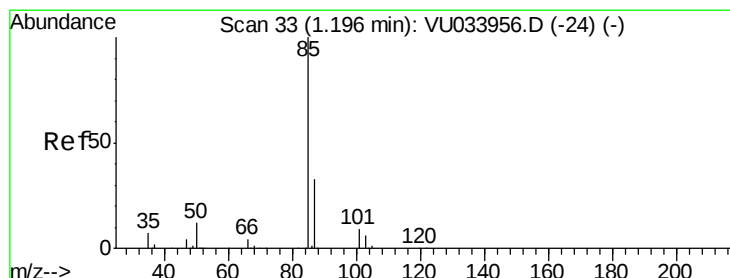
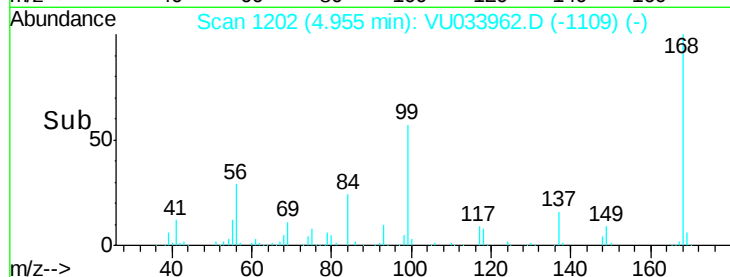
100000

50000

0

4.90 4.95 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.962 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033962.D

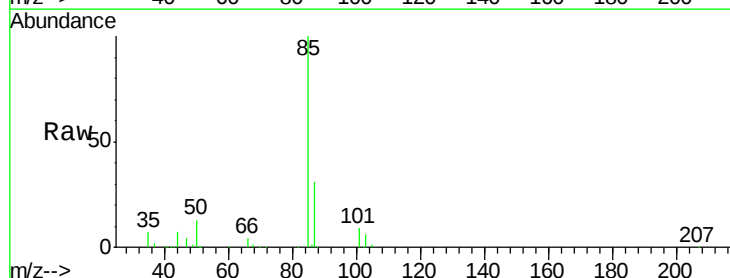
Acq: 26 Aug 2019 20:59

Tgt Ion: 85 Resp: 94931

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



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

Ion 86.90 (86.60 to 87.60): VU033956.D (-24) (-)

100000

80000

60000

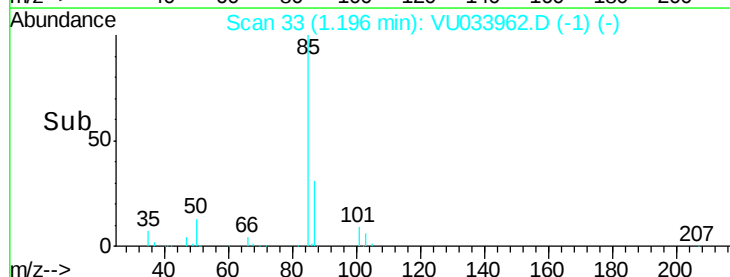
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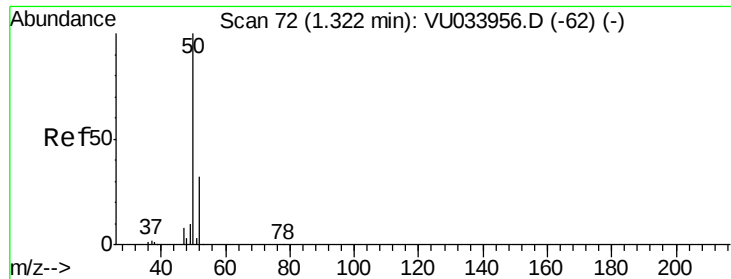
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.490 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 50 Resp: 120397

Ion Ratio Lower Upper

50 100

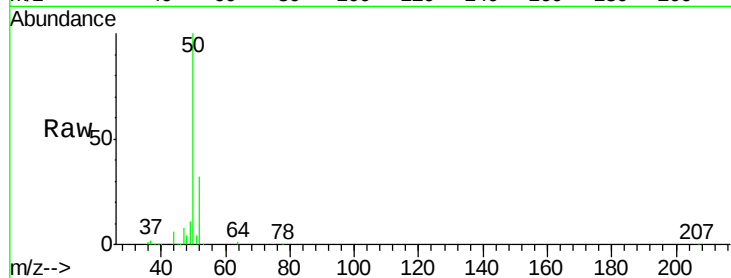
52 32.2 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VU033962.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033962.D (-1) (-)

1.32

120000

100000

80000

60000

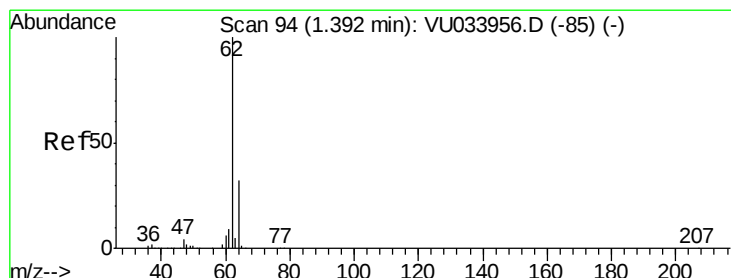
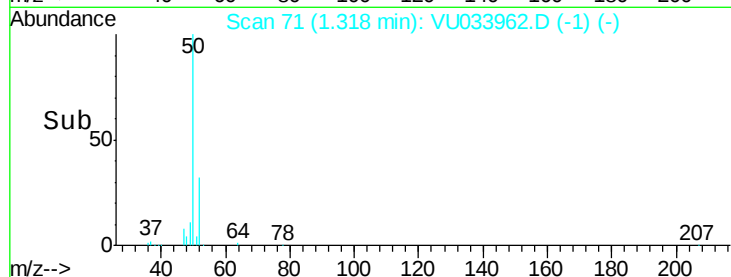
40000

20000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 20.442 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033962.D

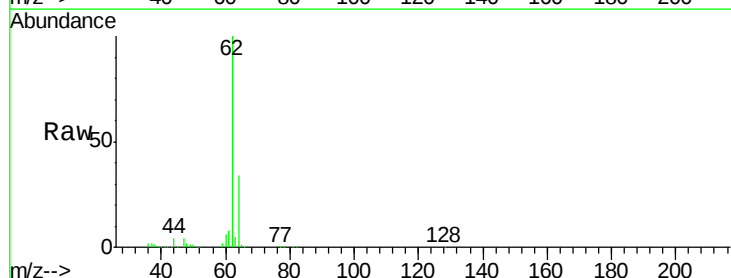
Acq: 26 Aug 2019 20:59

Tgt Ion: 62 Resp: 124913

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033962.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU033962.D (-1) (-)

1.39

150000

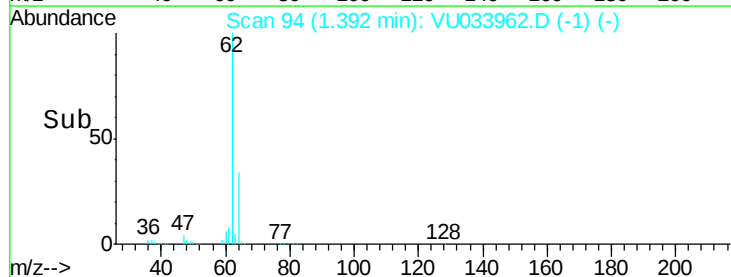
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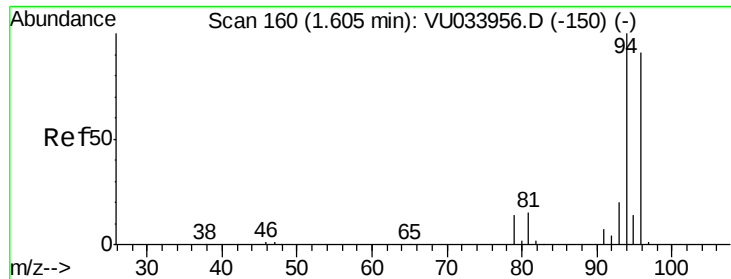
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 20.015 ug/l

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 94 Resp: 67899

Ion Ratio Lower Upper

94 100

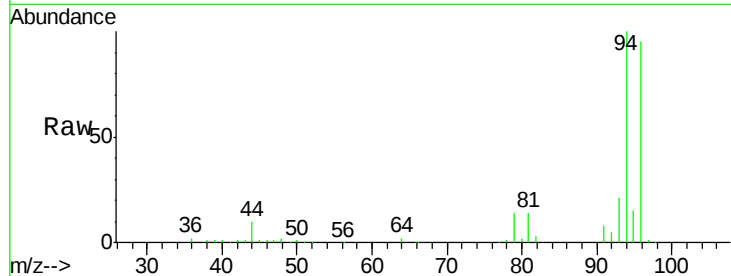
96 94.6 73.2 109.8

Manual Integrations

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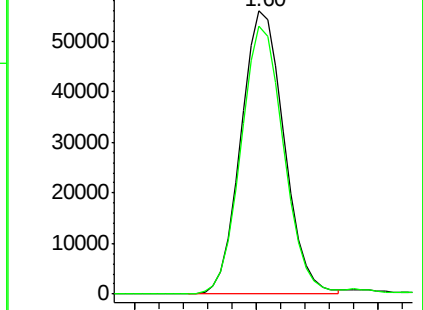
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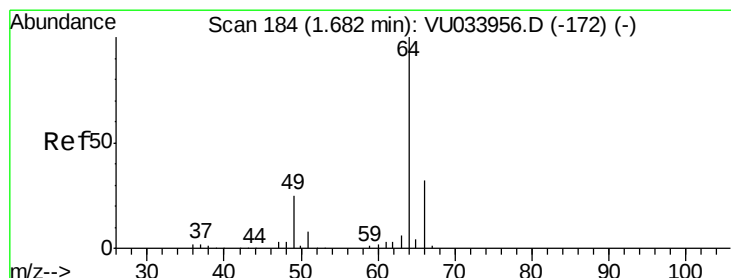
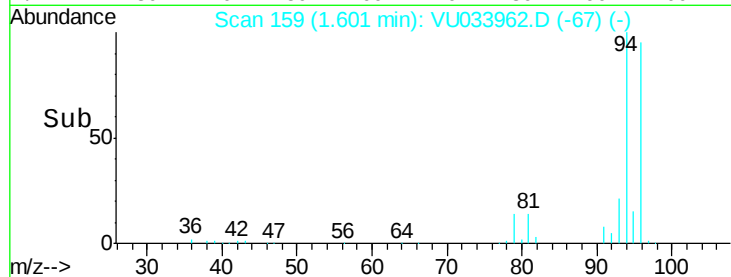


Abundance Ion 93.90 (93.60 to 94.60): VU033956.D (-150) (-)

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



Time-->



#6

Chloroethane

Concen: 19.719 ug/l

RT: 1.68 min Scan# 183

Delta R.T. -0.00 min

Lab File: VU033962.D

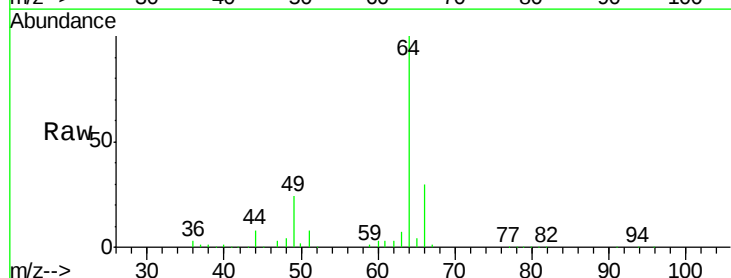
Acq: 26 Aug 2019 20:59

Tgt Ion: 64 Resp: 75954

Ion Ratio Lower Upper

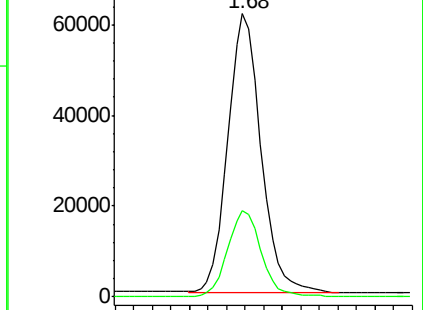
64 100

66 30.7 25.1 37.7

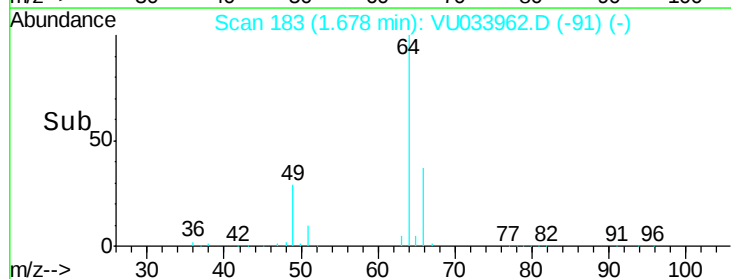


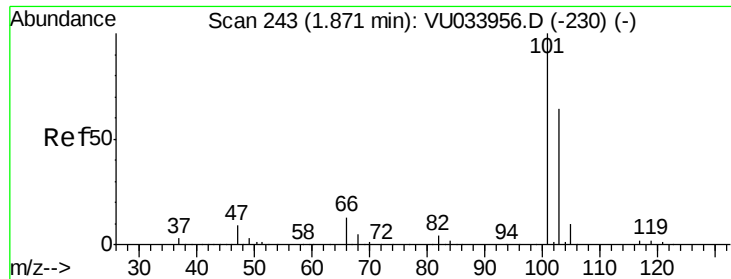
Abundance Ion 63.90 (63.60 to 64.60): VU033956.D (-172) (-)

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



Time-->





#7

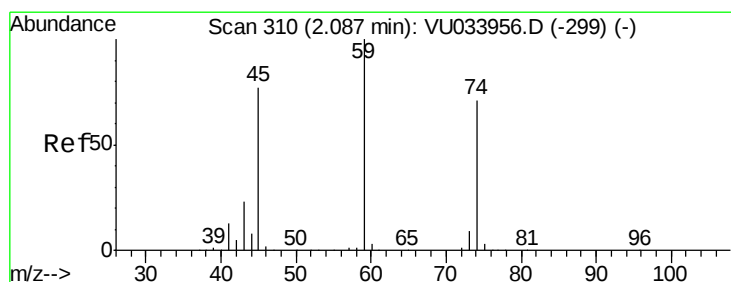
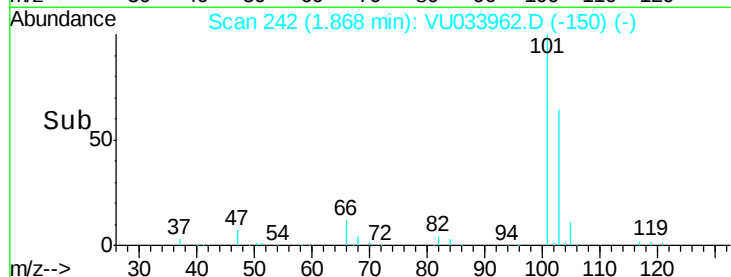
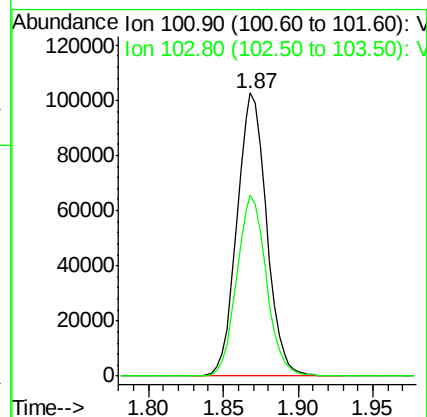
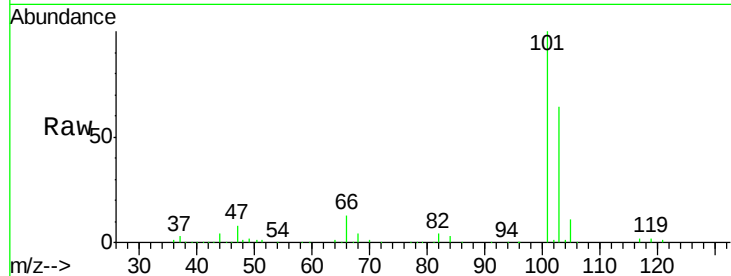
Trichlorofluoromethane
 Concen: 19.462 ug/l
 RT: 1.87 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.5	77.3

Manual Integrations
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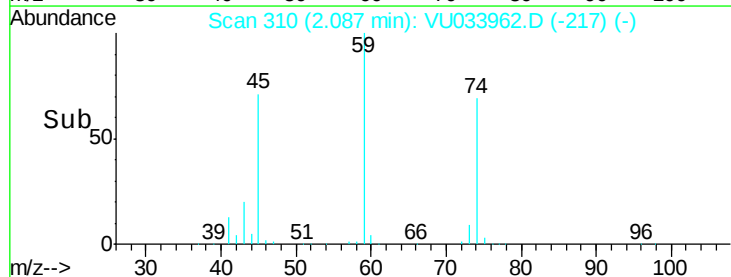
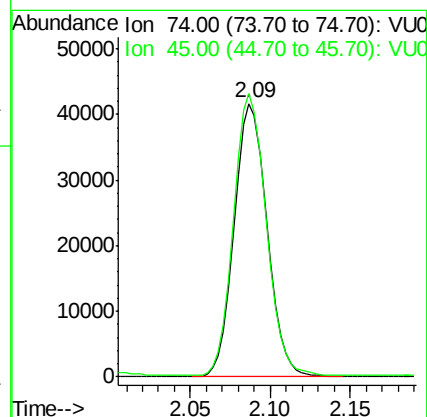
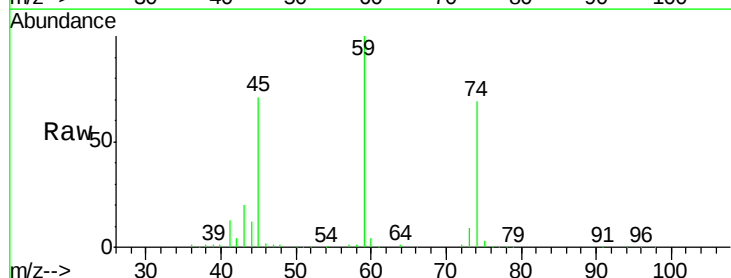
MMDadoda
 8/27/2019 12:17:27 PM

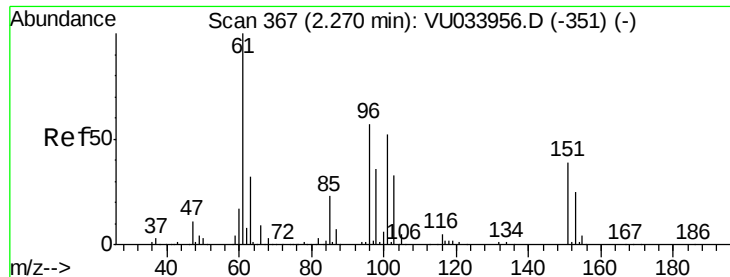


#8

Diethyl Ether
 Concen: 18.595 ug/l
 RT: 2.09 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.463 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

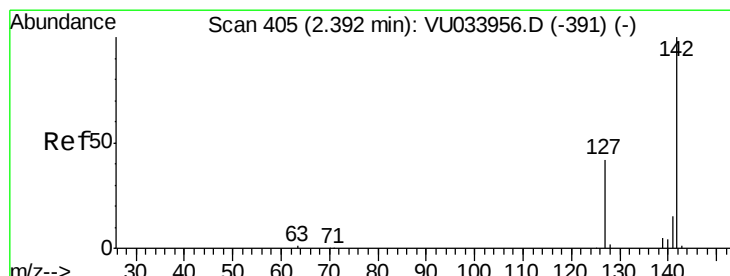
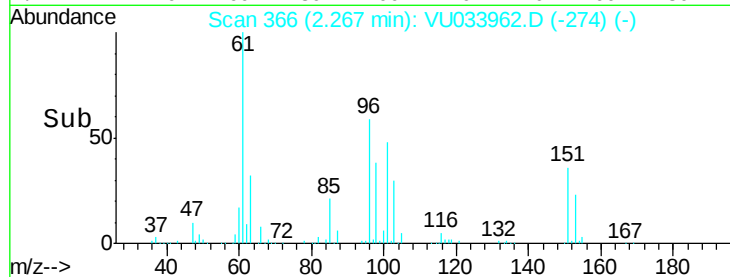
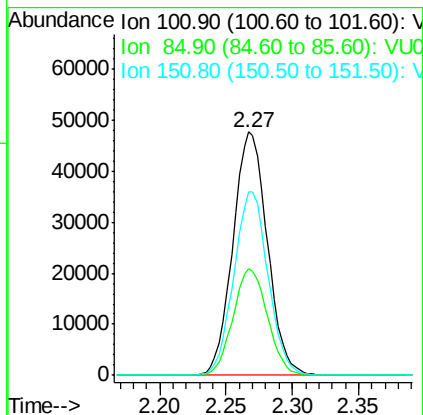
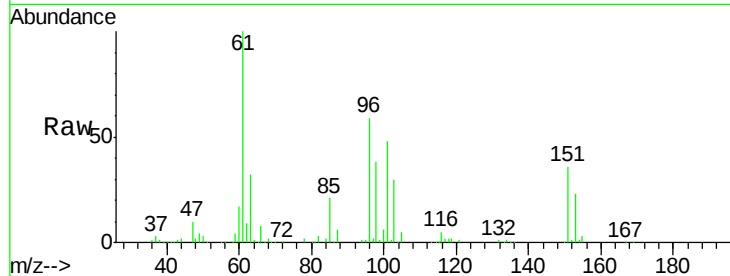
ClientSampleId :

VU0827WBSD01

Tot Ion:	101	Resp:	85978
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.6
151	75.1	57.9	86.9

Manual Integrations
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#10

Methyl Iodide

Concen: 22.247 ug/l

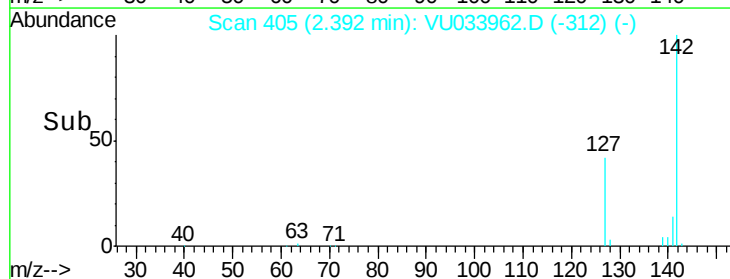
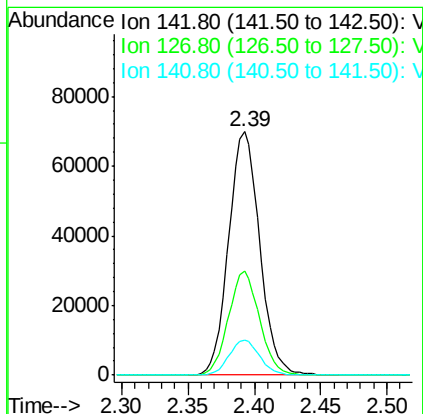
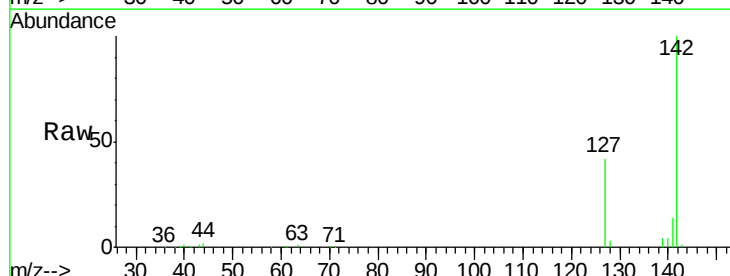
RT: 2.39 min Scan# 405

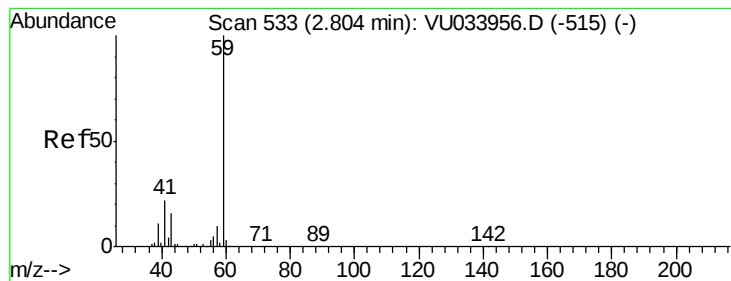
Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion:	142	Resp:	113812
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.3	51.5
141	14.2	11.8	17.6





#11

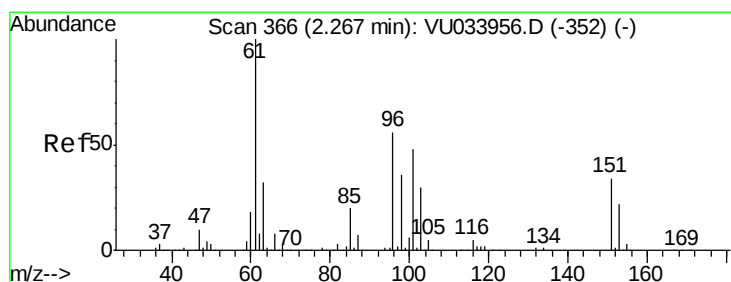
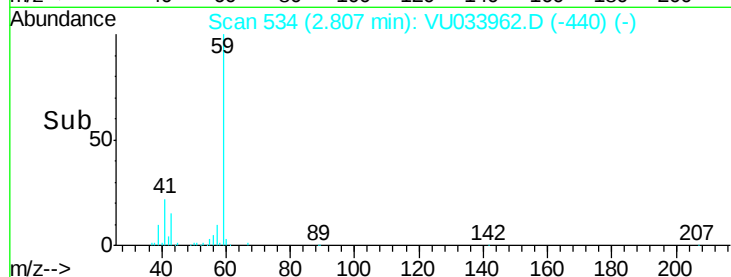
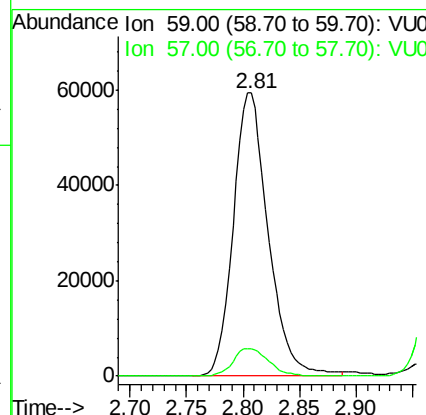
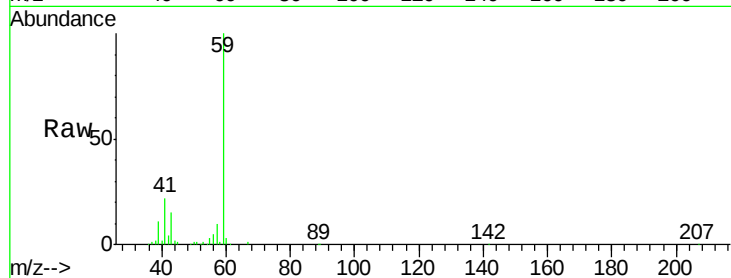
Tert butyl alcohol
 Concen: 109.866 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	59	Resp	127980
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

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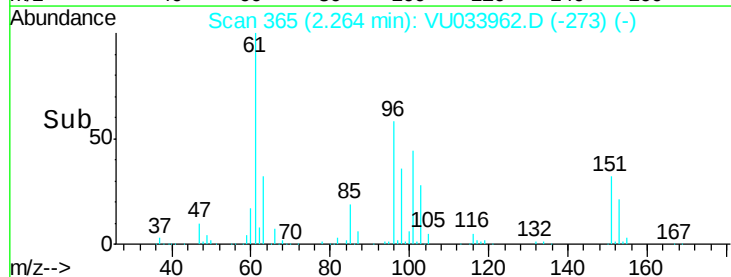
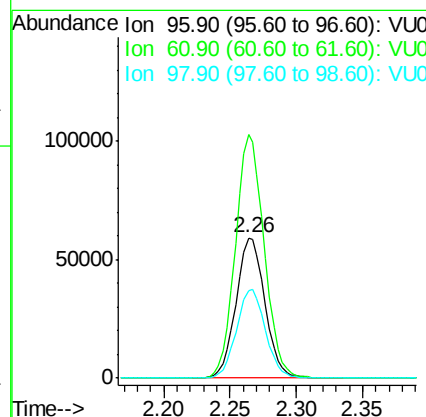
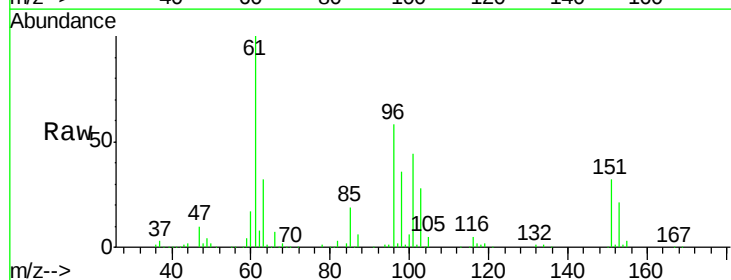
MMDadoda
 8/27/2019 12:17:27 PM

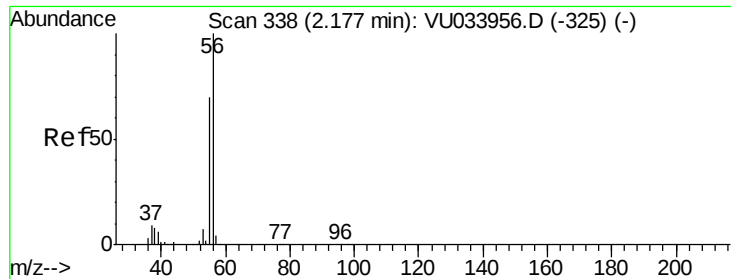


#12

1,1-Dichloroethene
 Concen: 20.692 ug/l
 RT: 2.26 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	96	Resp	89143
Ion Ratio	100	Lower	Upper
61	173.8	142.3	213.5
98	62.8	51.0	76.6





#13

Acrolein

Concen: 108.315 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 56 Resp: 75036

Ion Ratio Lower Upper

56 100

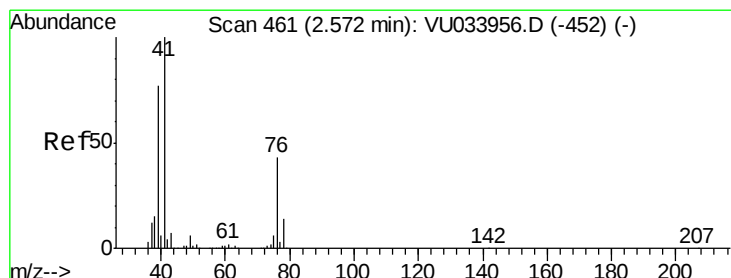
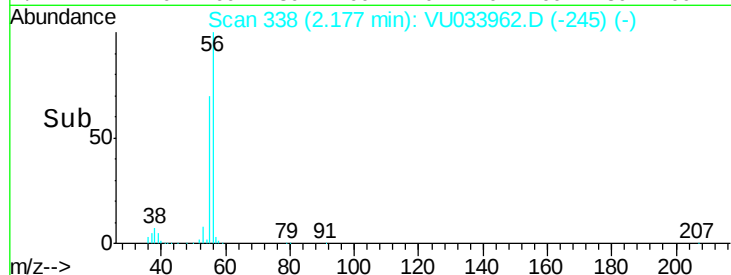
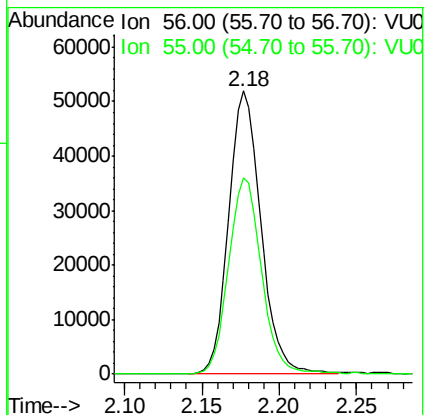
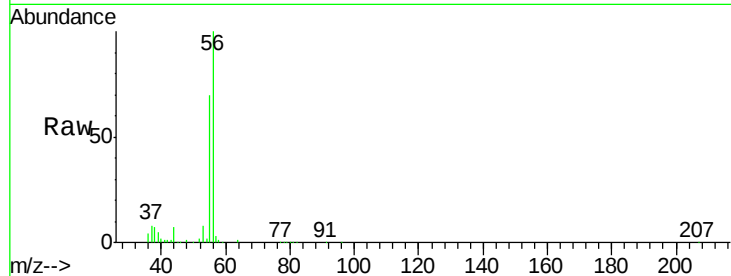
55 71.0 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.554 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

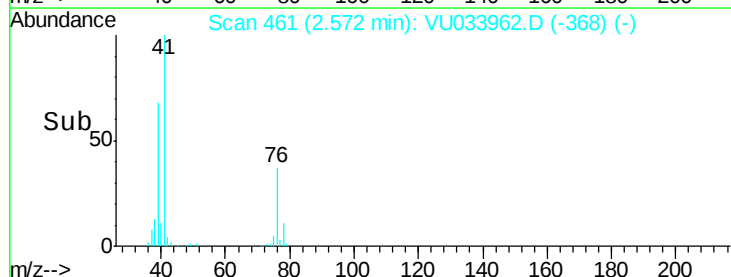
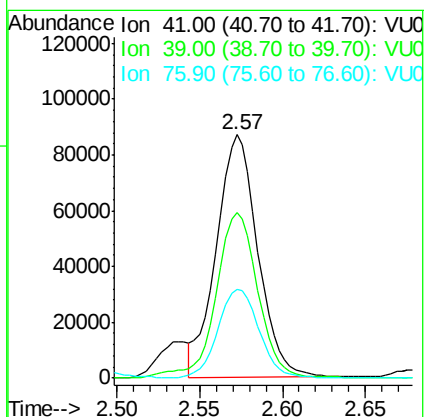
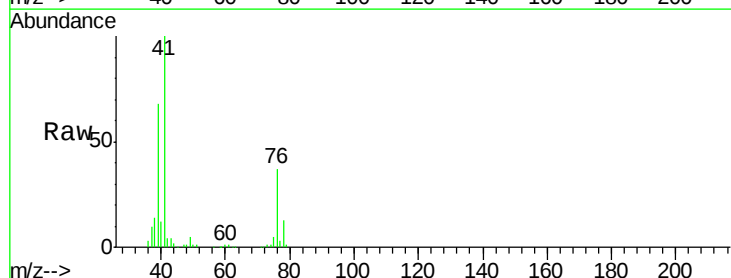
Tgt Ion: 41 Resp: 151224

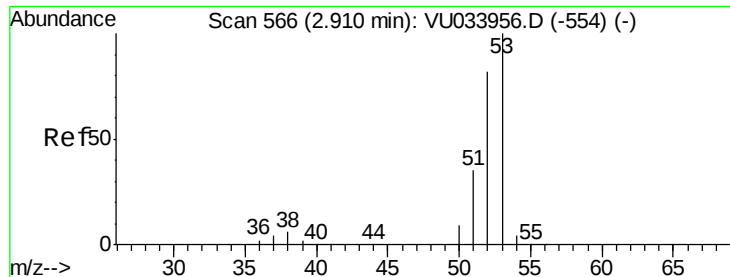
Ion Ratio Lower Upper

41 100

39 69.5 56.4 84.6

76 36.1 29.2 43.8





#15

Acrylonitrile

Concen: 106.836 ug/l

RT: 2.91 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

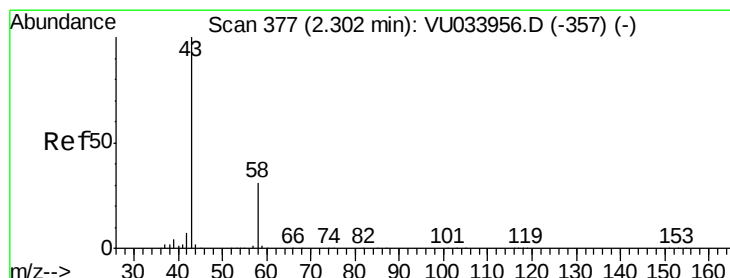
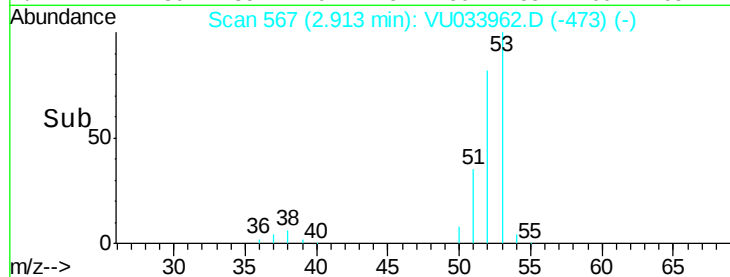
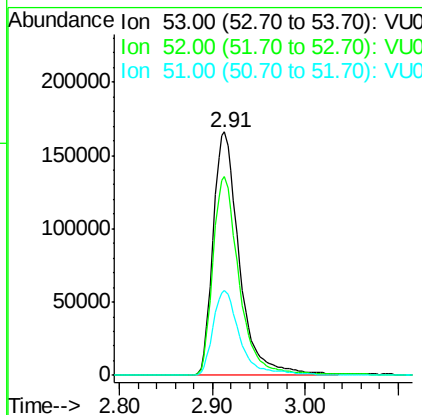
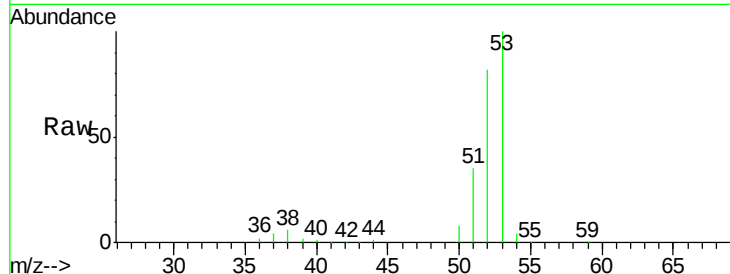
ClientSampleId :

VU0827WBSD01

Tot Ion:	53	Resp:	327545
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 89.717 ug/l

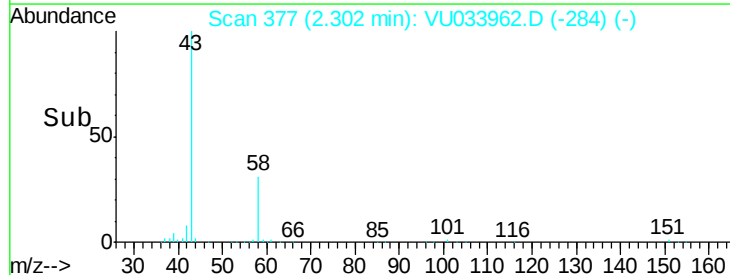
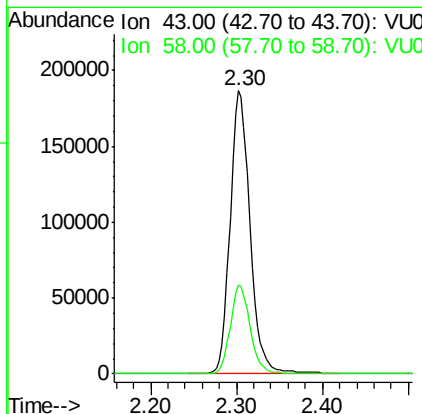
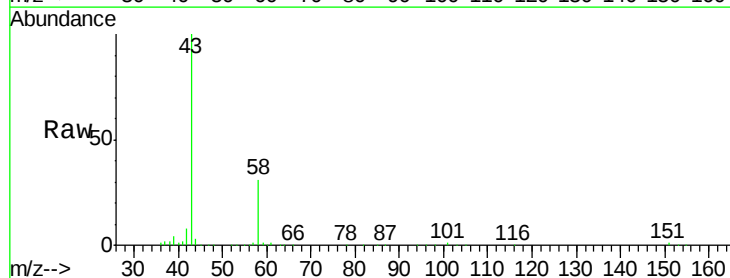
RT: 2.30 min Scan# 377

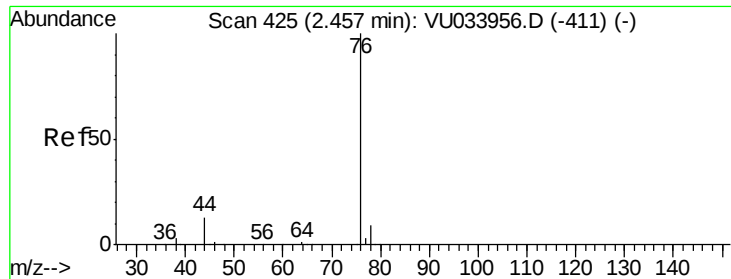
Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion:	43	Resp:	297629
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.5	36.7





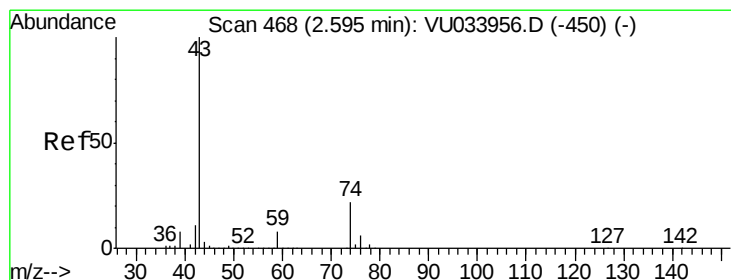
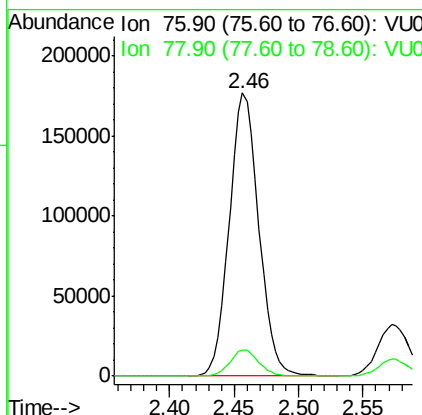
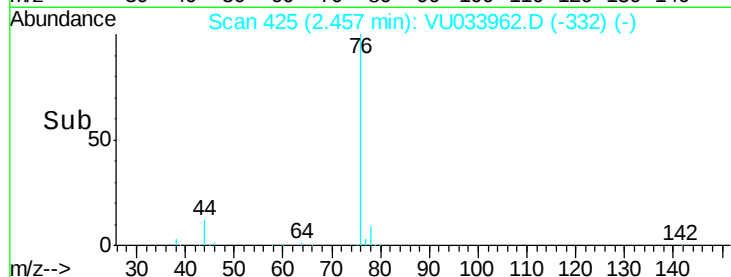
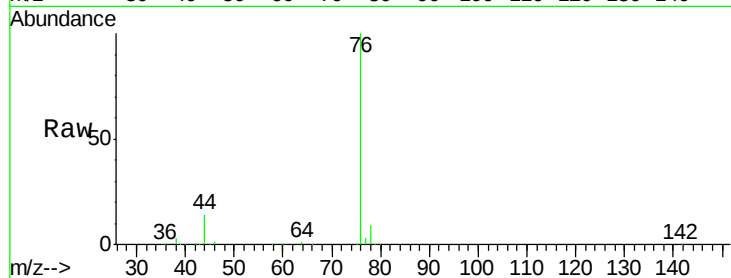
#17
Carbon Disulfide
Concen: 19.726 ug/l
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

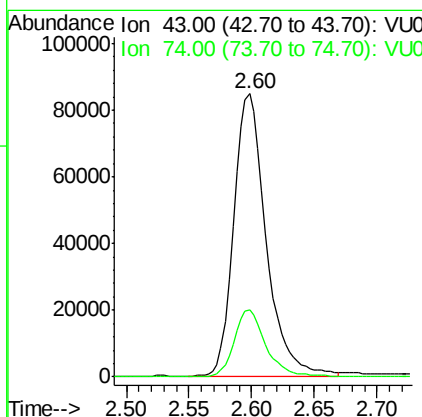
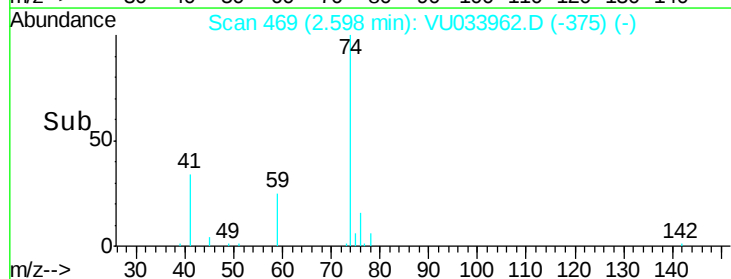
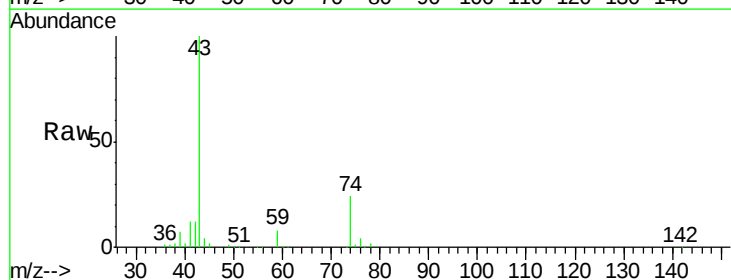
Manual Integrations
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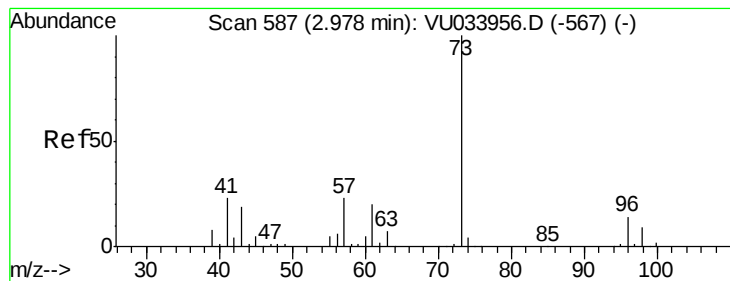
MMDadoda
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#18
Methyl Acetate
Concen: 20.456 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.2





#19

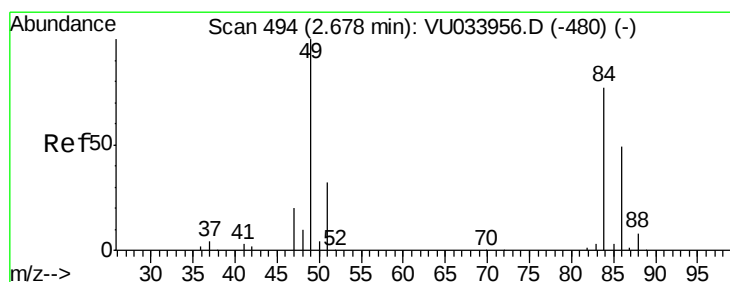
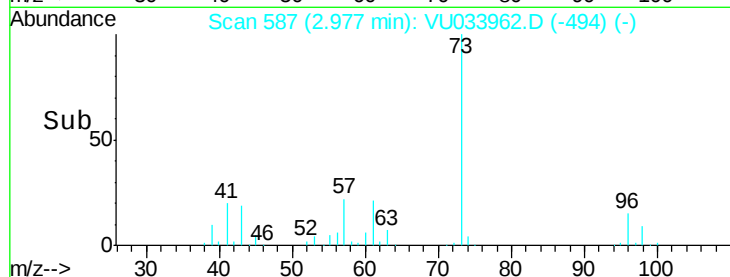
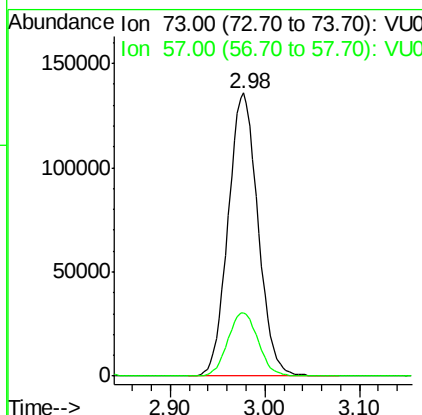
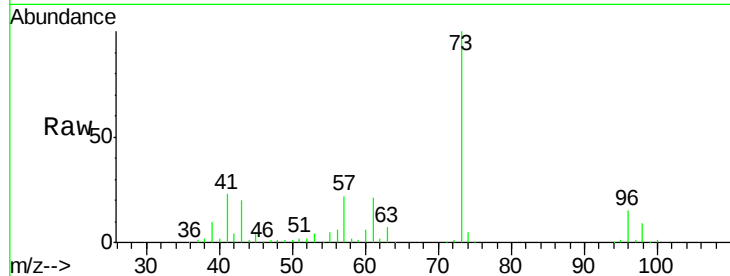
Methyl tert-butyl Ether
 Concen: 21.587 ug/l
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.3	27.5

Manual Integrations
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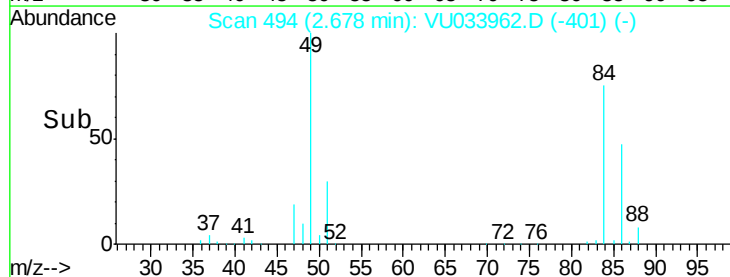
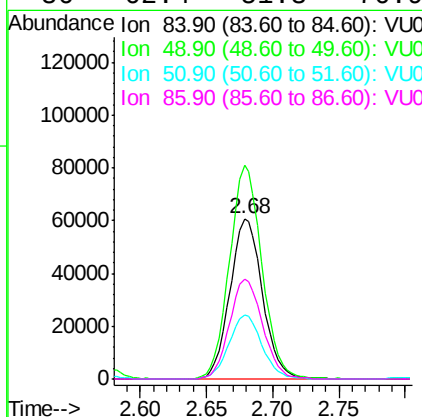
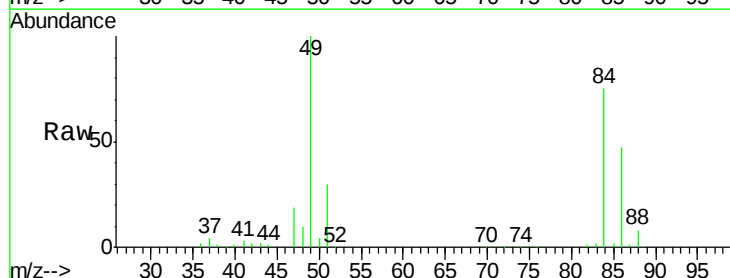
MMDadoda
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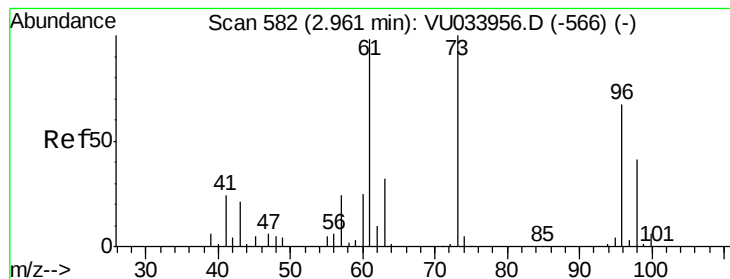


#20

Methylene Chloride
 Concen: 19.508 ug/l
 RT: 2.68 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	104.1	156.1
51	39.9	33.0	49.6
86	62.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.872 ug/l

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleID :

VU0827WBSD01

Tot Ion: 96 Resp: 94324

Ion Ratio Lower Upper

96 100

61 149.7 117.8 176.8

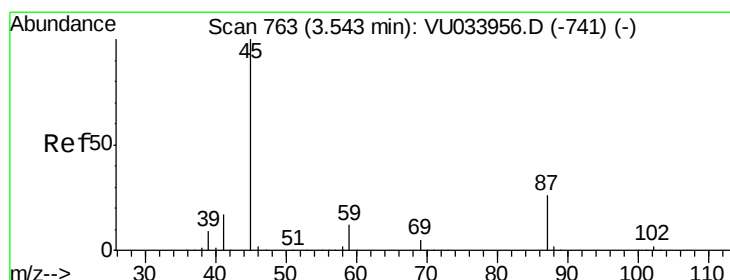
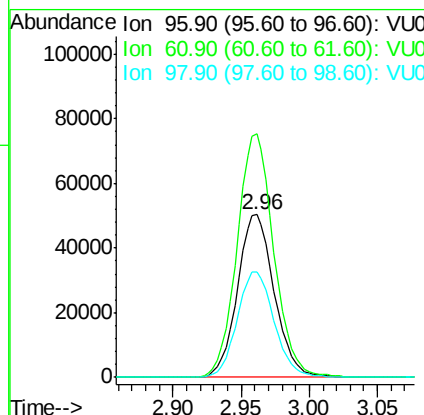
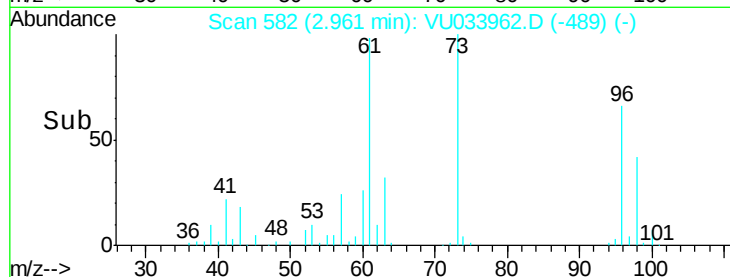
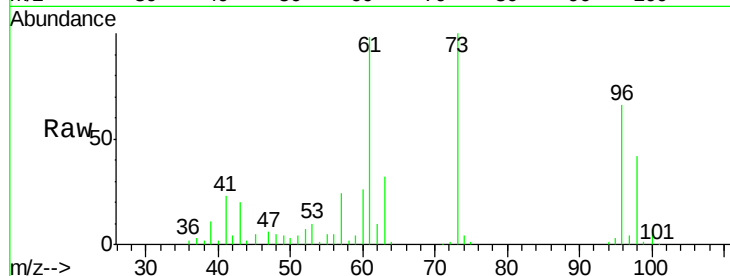
98 64.8 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.507 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion: 45 Resp: 321571

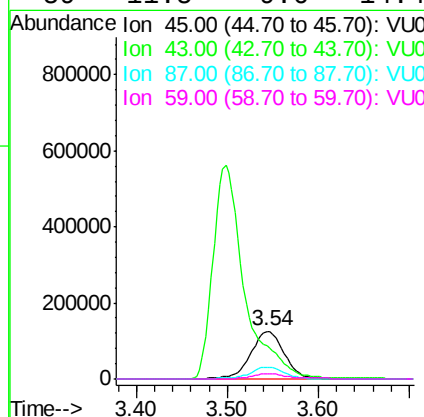
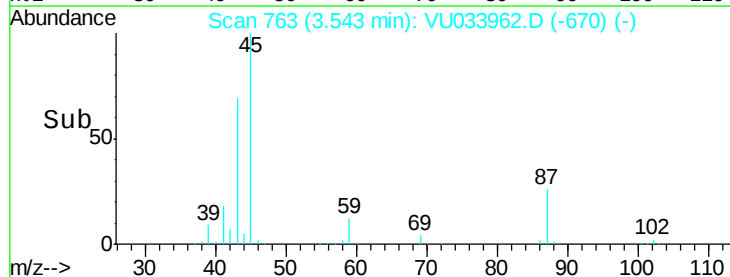
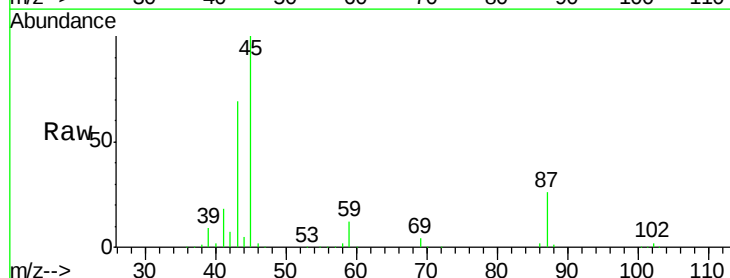
Ion Ratio Lower Upper

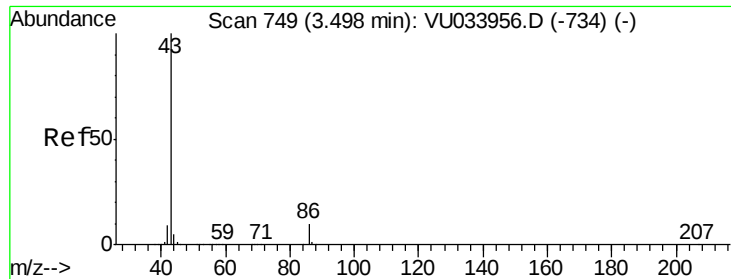
45 100

43 68.9 50.6 76.0

87 25.6 21.2 31.8

59 11.5 9.6 14.4





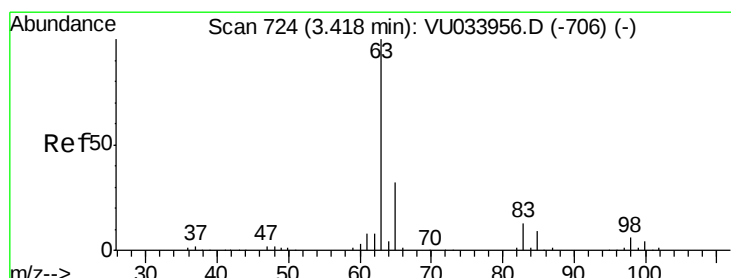
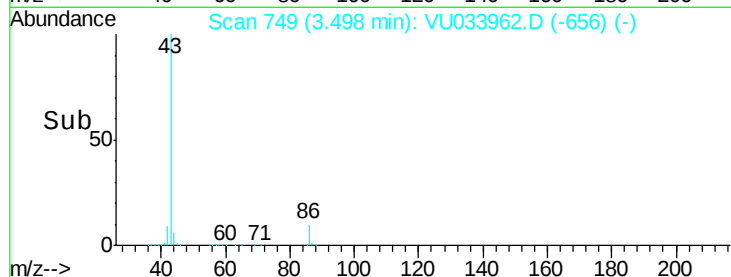
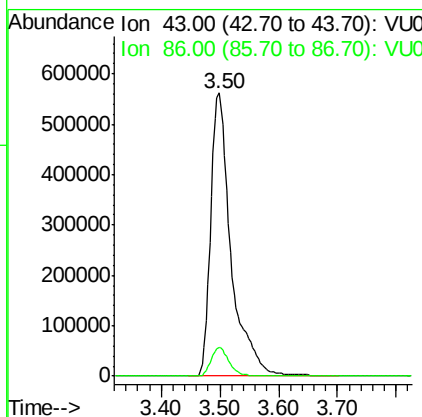
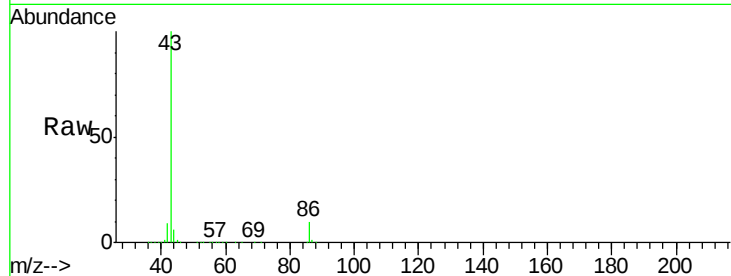
#23
 Vinyl Acetate
 Concen: 110.355 ug/l
 RT: 3.50 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion: 43 Resp: 1367419
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.2 12.4

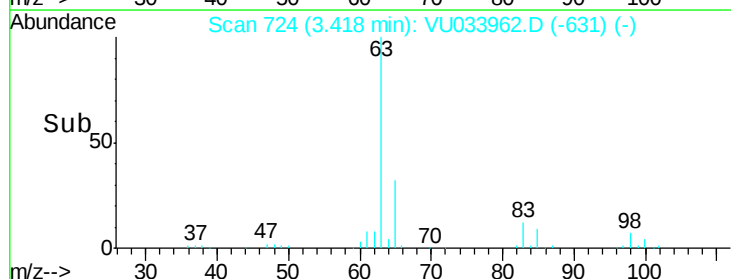
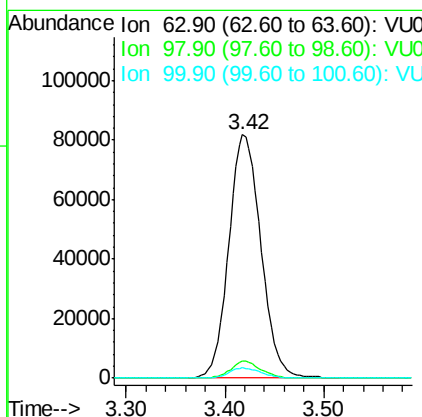
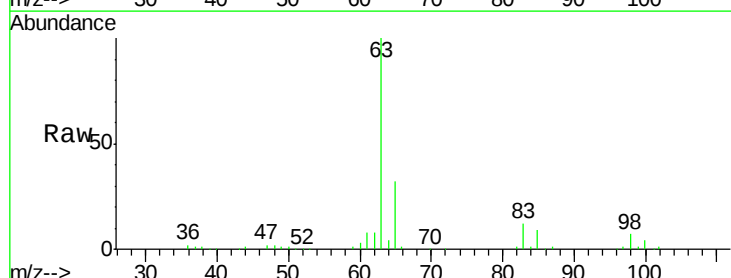
Manual Integrations
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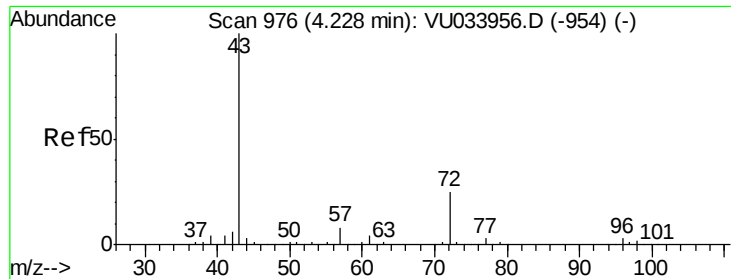
MMDadoda
 8/27/2019 12:17:27 PM



#24
 1,1-Dichloroethane
 Concen: 20.286 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion: 63 Resp: 185710
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.2 9.6
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 103.038 ug/l

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 43 Resp: 441753

Ion Ratio Lower Upper

43 100

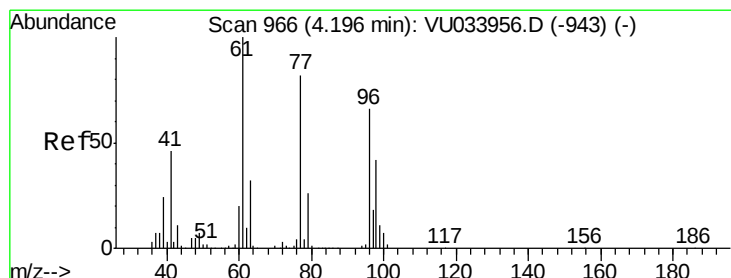
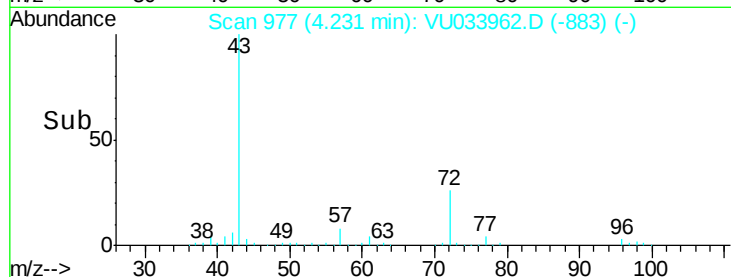
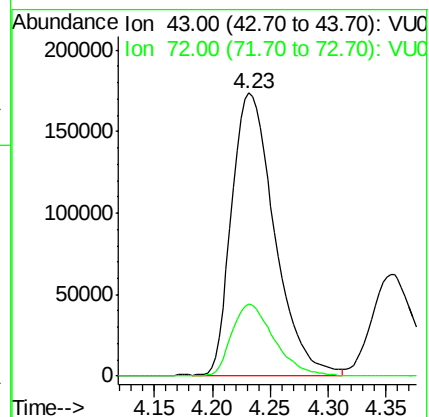
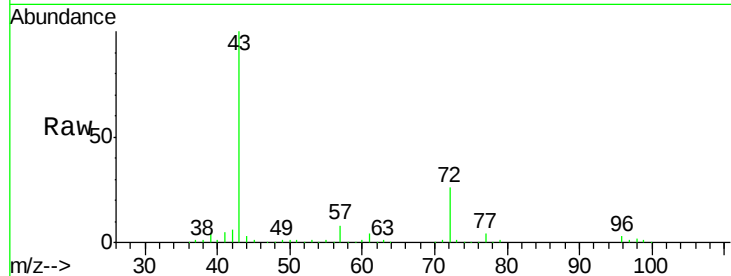
72 25.3 20.3 30.5

Manual Integrations

APPROVED

MMDadoda

8/27/2019 12:17:27 PM



#26

2,2-Dichloropropane

Concen: 18.666 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033962.D

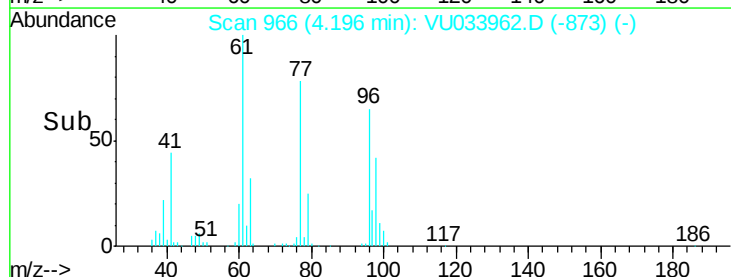
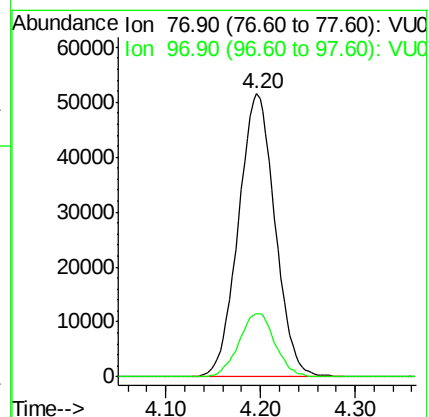
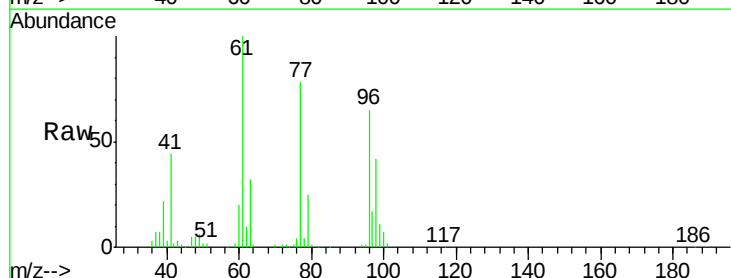
Acq: 26 Aug 2019 20:59

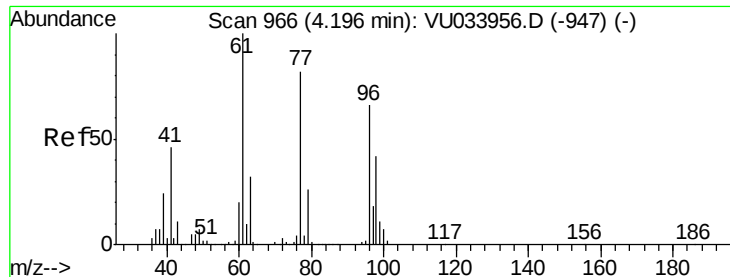
Tgt Ion: 77 Resp: 138556

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

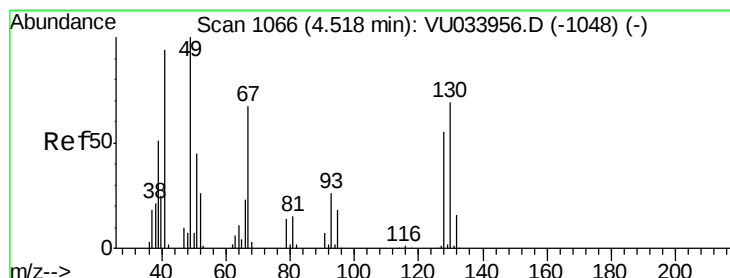
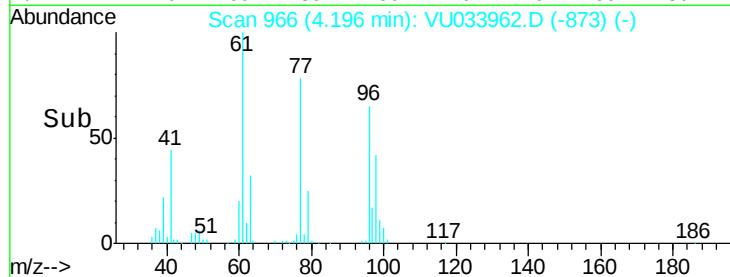
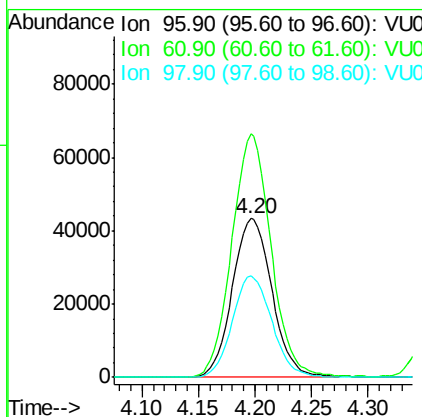
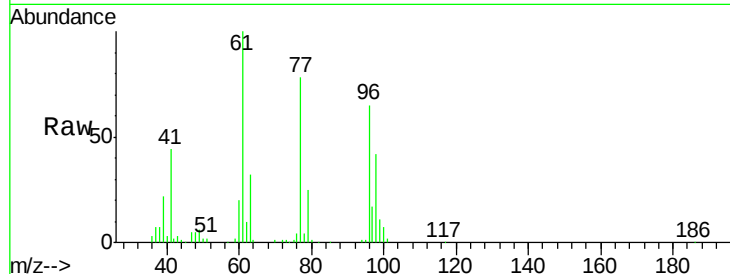
cis-1,2-Dichloroethene
 Concen: 20.747 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.9	0.0	312.2	
98	63.9	0.0	129.4	

Manual Integrations
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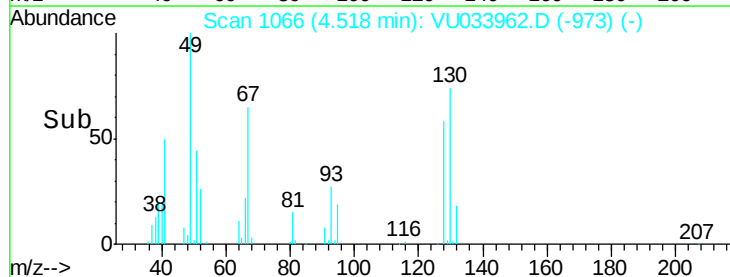
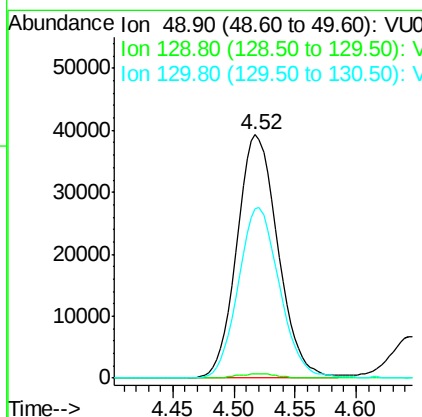
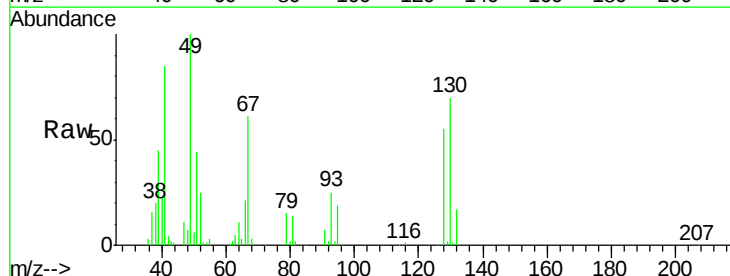
MMDadoda
 8/27/2019 12:17:27 PM

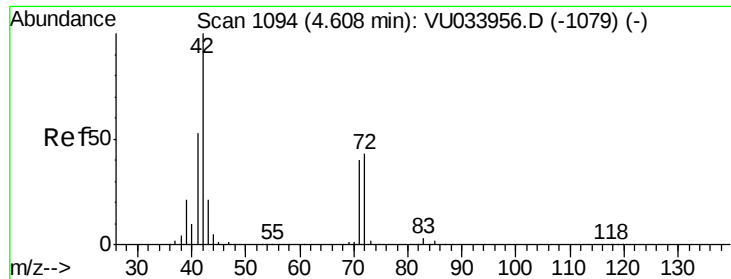


#28

Bromochloromethane
 Concen: 20.544 ug/l
 RT: 4.52 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	70.1	56.2	84.4	





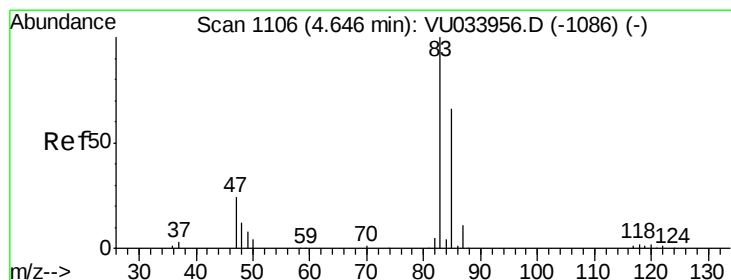
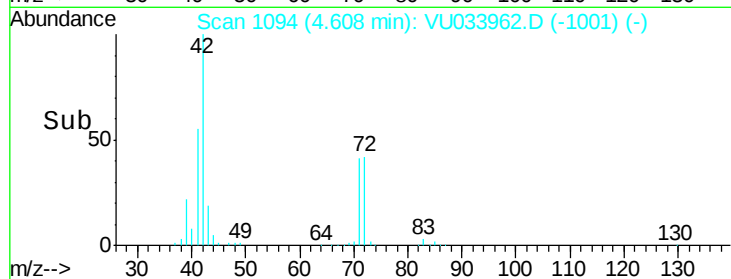
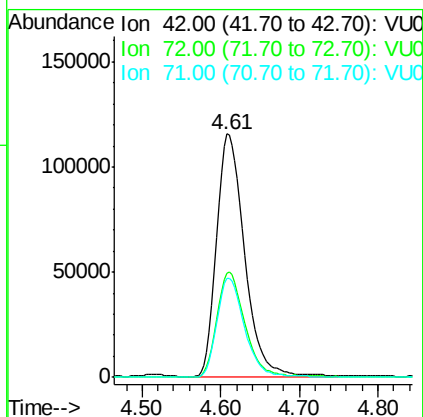
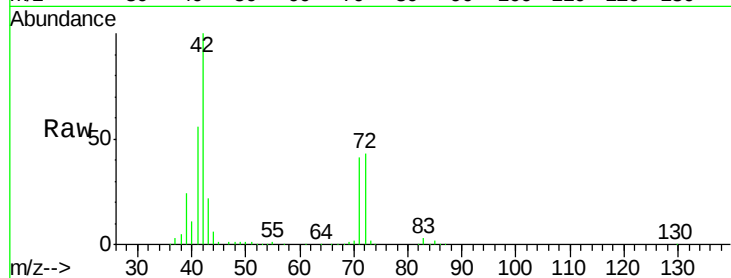
#29
Tetrahydrofuran
Concen: 109.241 ug/l
RT: 4.61 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	52.0
71	40.2	32.1	48.1

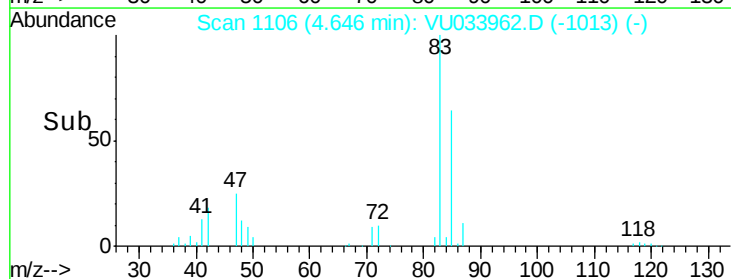
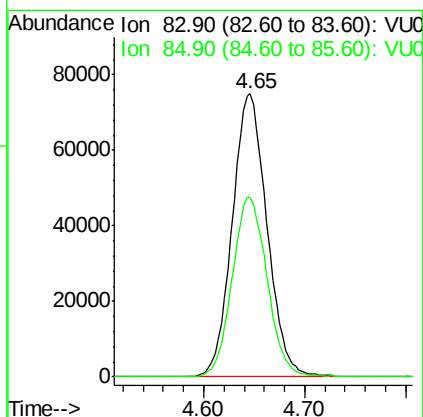
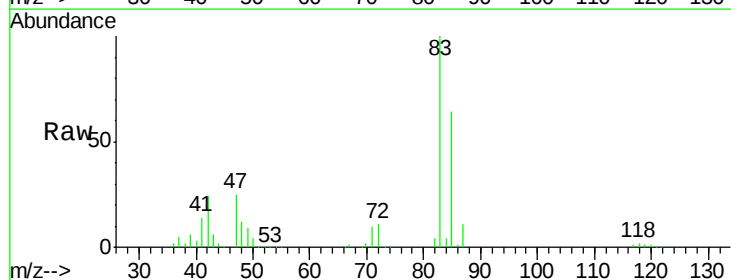
Manual Integrations
APPROVED

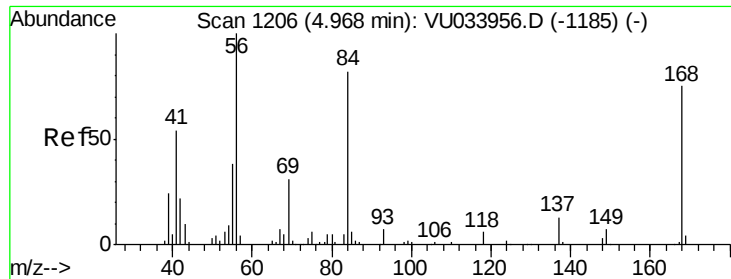
MMDadoda
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#30
Chloroform
Concen: 19.730 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





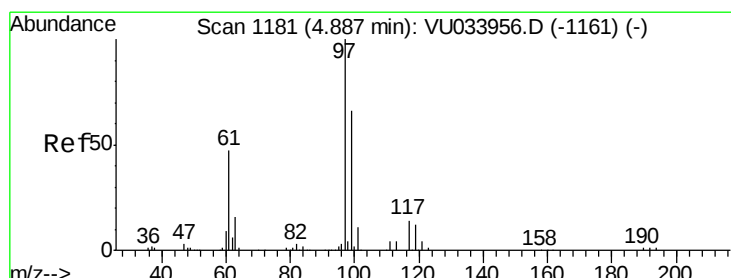
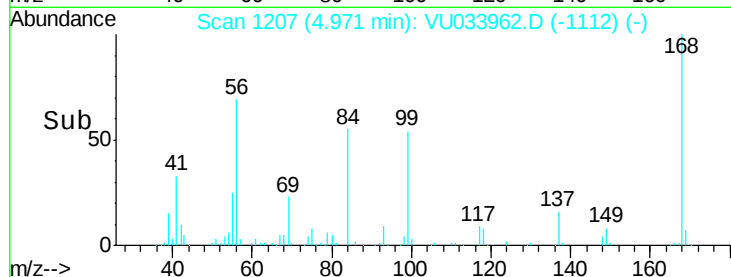
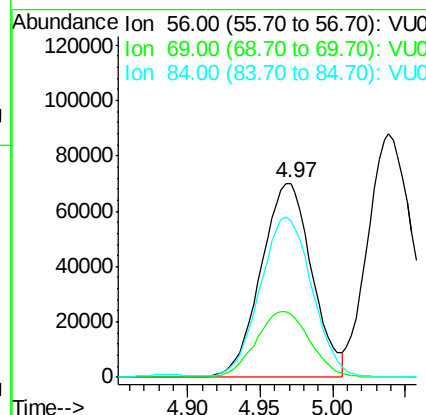
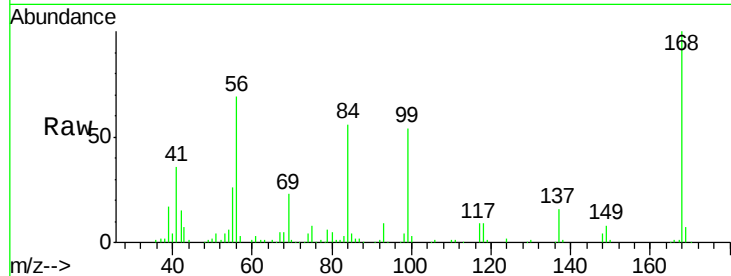
#31
Cyclohexane
Concen: 21.106 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.6	37.0
84	80.2	65.4	98.0

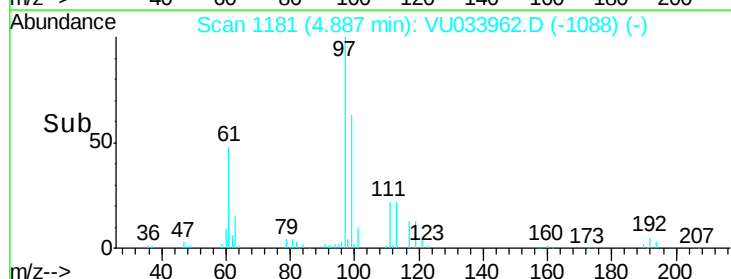
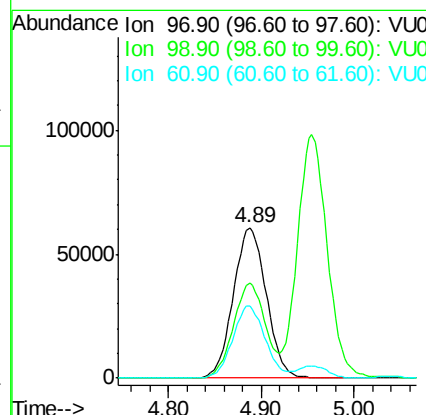
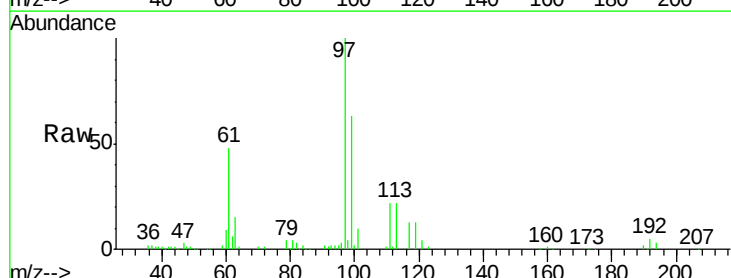
Manual Integrations
APPROVED

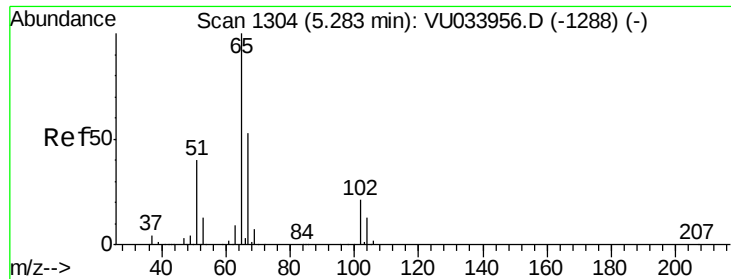
MMDadoda
8/27/2019 12:17:27 PM



#32
1,1,1-Trichloroethane
Concen: 20.162 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	51.4	77.0
61	47.1	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 52.181 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 65 Resp: 290828

Ion Ratio Lower Upper

65 100

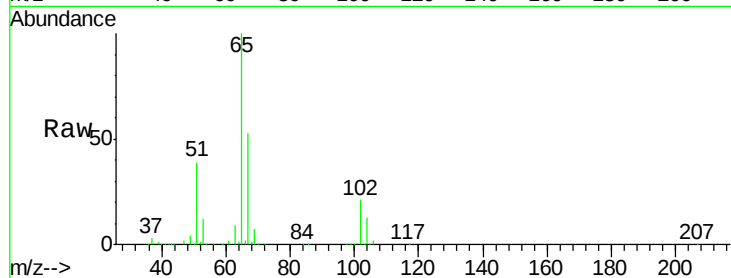
67 53.5 0.0 107.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU033962.D (-1210) (-)

Ion 66.90 (66.60 to 67.60): VU033962.D (-1210) (-)

5.28

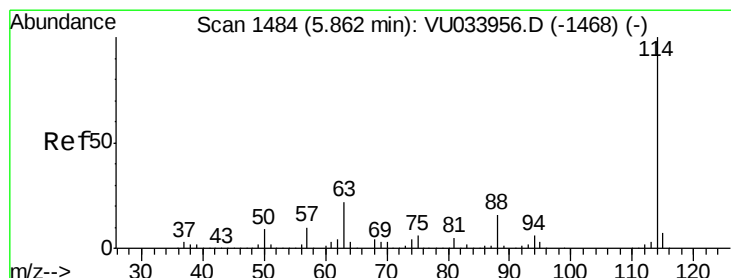
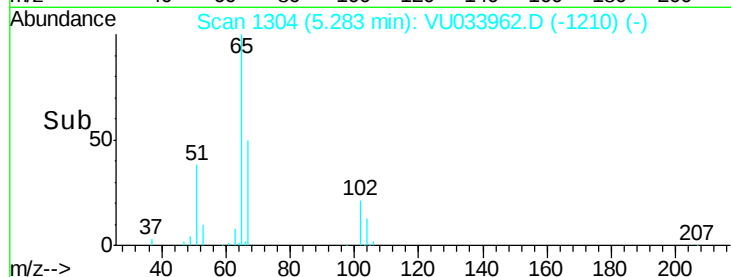
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

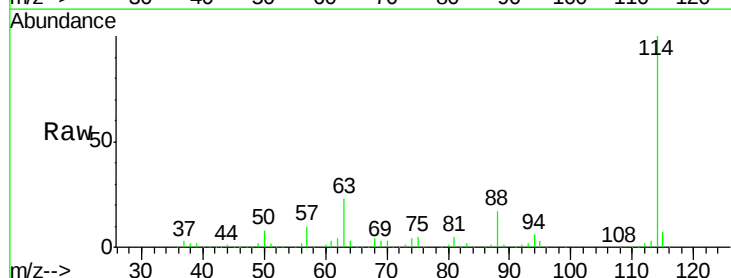
Tgt Ion: 114 Resp: 641980

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

88 16.8 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU033962.D (-1391) (-)

Ion 63.00 (62.70 to 63.70): VU033962.D (-1391) (-)

Ion 87.90 (87.60 to 88.60): VU033962.D (-1391) (-)

5.86

400000

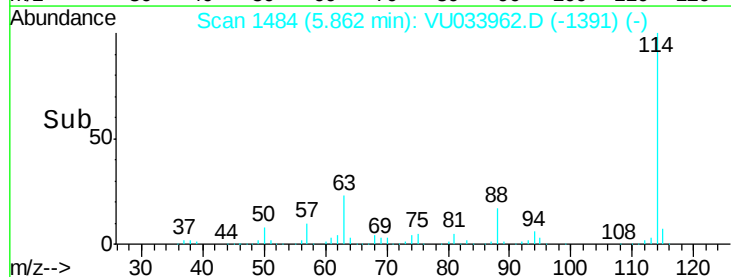
300000

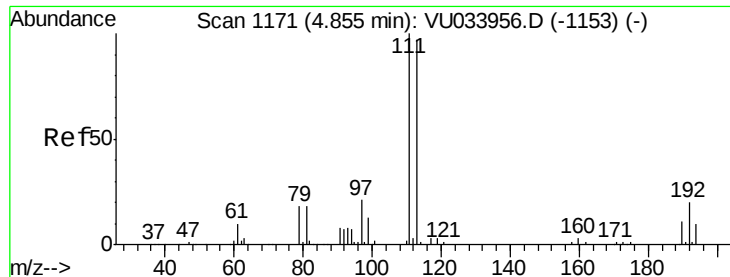
200000

100000

0

Time-->





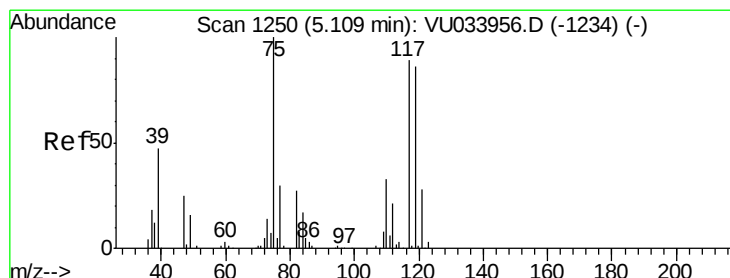
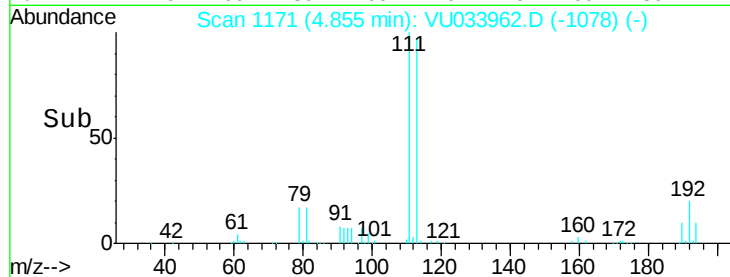
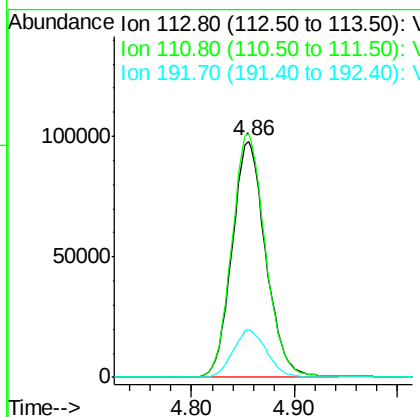
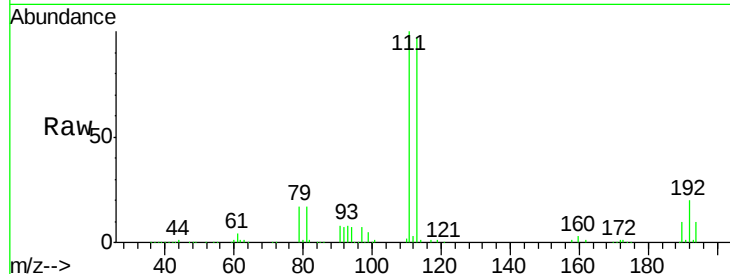
#35
 Dibromofluoromethane
 Concen: 49.836 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222549		
111	103.1	82.0	123.0	
192	20.3	16.2	24.4	

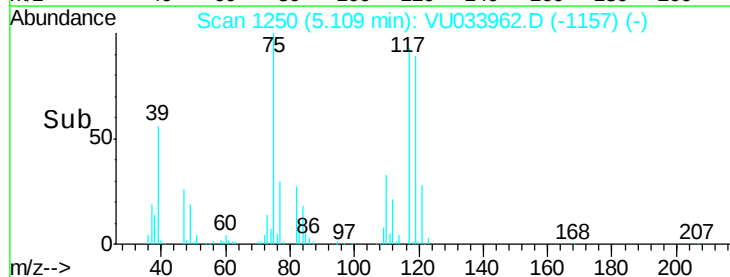
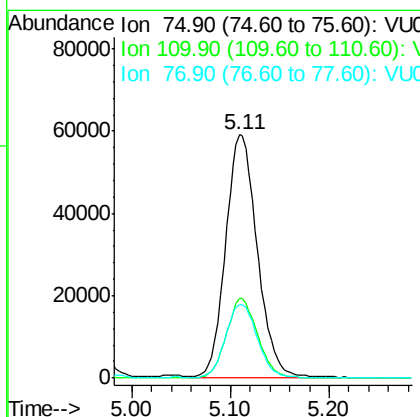
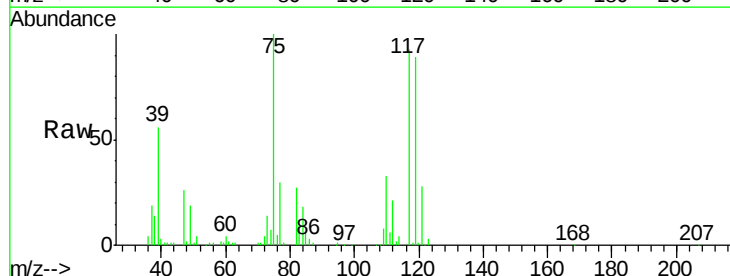
Manual Integrations
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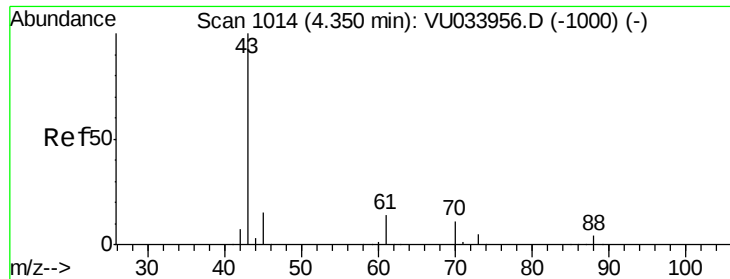
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#36
 1,1-Dichloropropene
 Concen: 19.800 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131243		
110	32.7	16.8	50.4	
77	31.2	24.7	37.1	





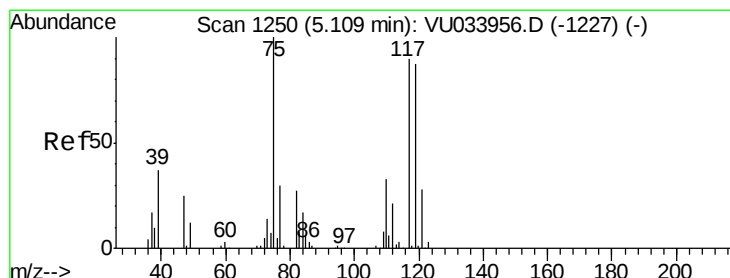
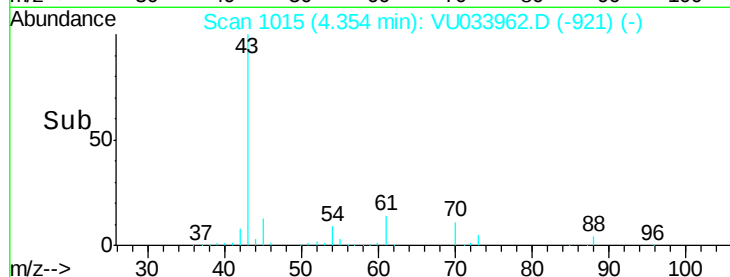
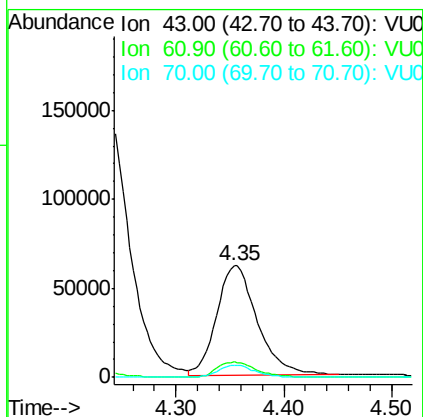
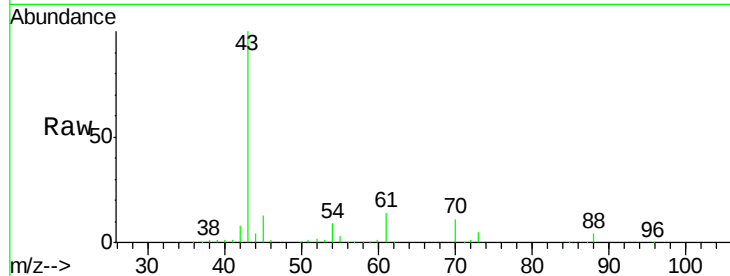
#37
Ethyl Acetate
Concen: 20.415 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	10.4	8.2	12.4

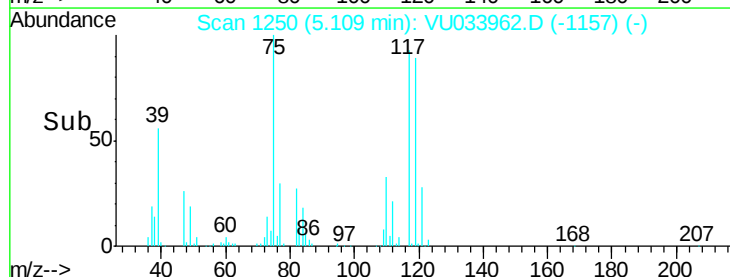
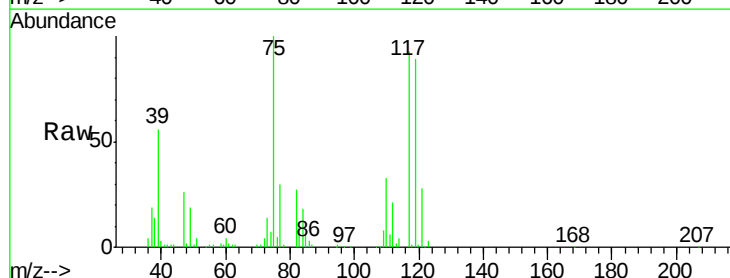
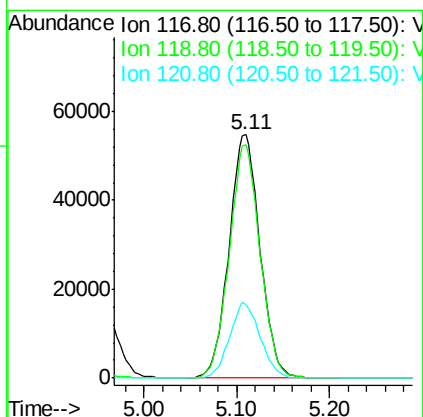
Manual Integrations
APPROVED

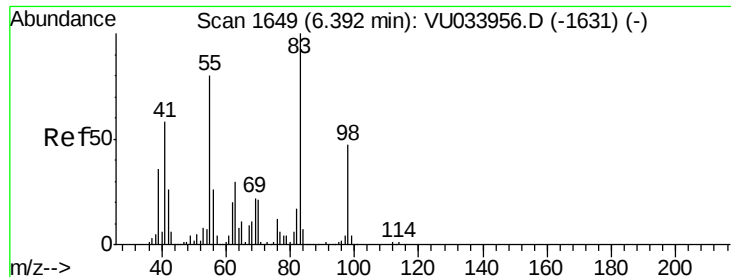
MMDadoda
8/27/2019 12:17:27 PM



#38
Carbon Tetrachloride
Concen: 19.197 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.9	115.3
121	30.2	24.9	37.3





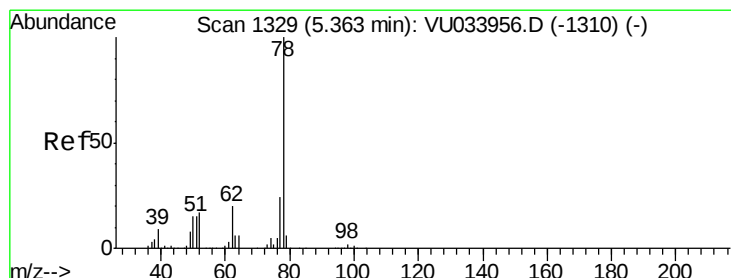
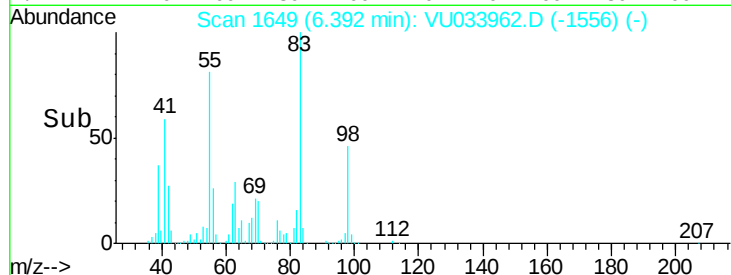
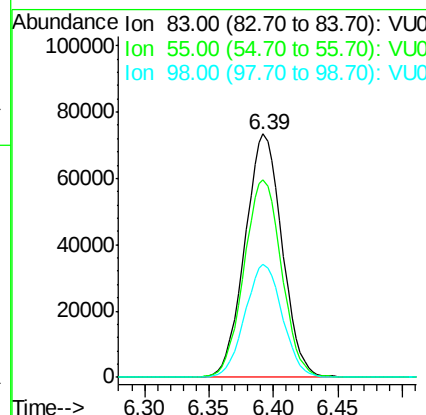
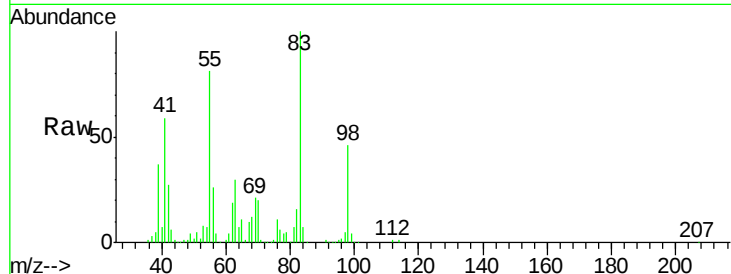
#39
Methvlcvclohexane
Concen: 20.069 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	63.8	95.8
98	46.2	37.7	56.5

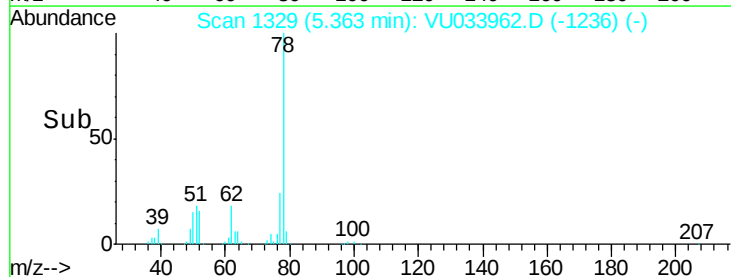
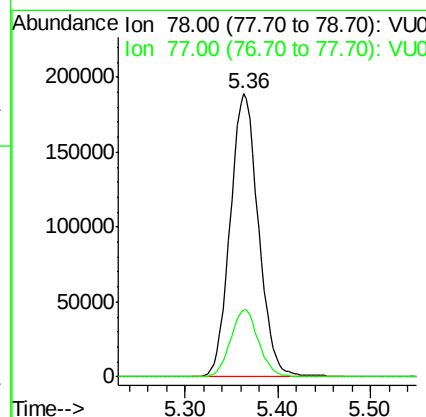
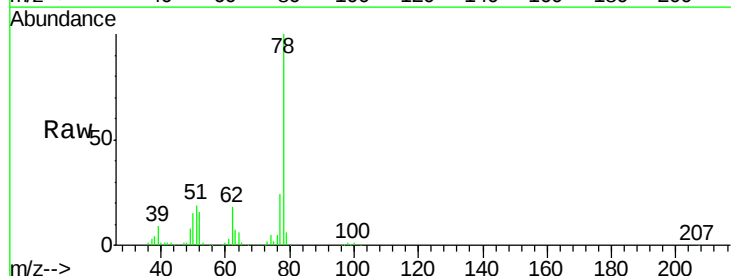
Manual Integrations
APPROVED

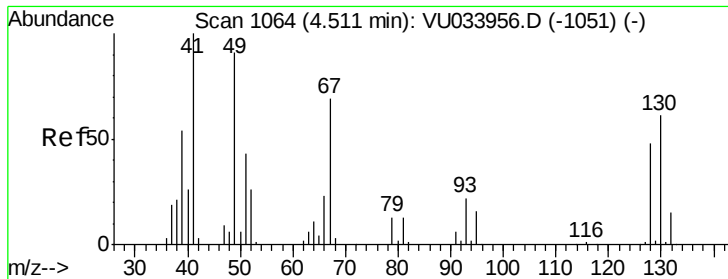
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#40
Benzene
Concen: 20.301 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





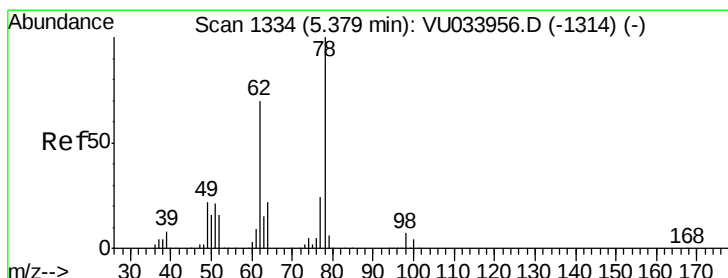
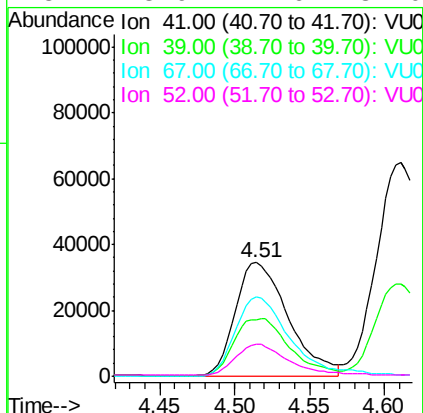
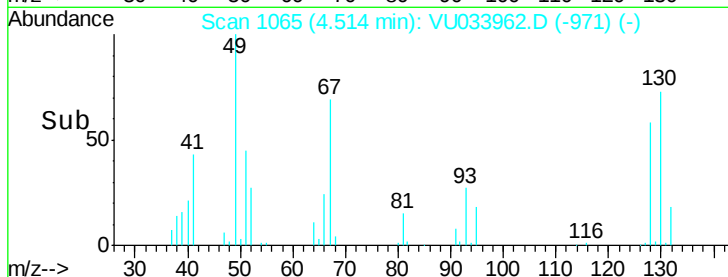
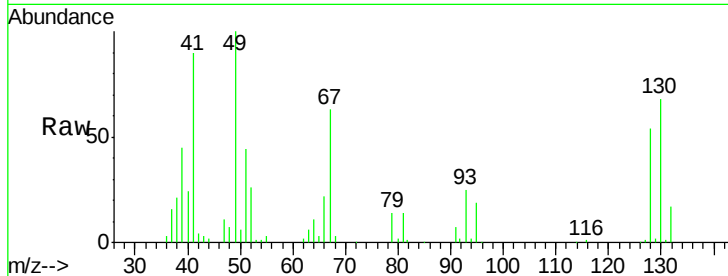
#41
Methacrylonitrile
Concen: 21.427 ug/l
RT: 4.51 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	43.3	64.9	
67	73.9	57.5	86.3	
52	28.9	22.6	34.0	

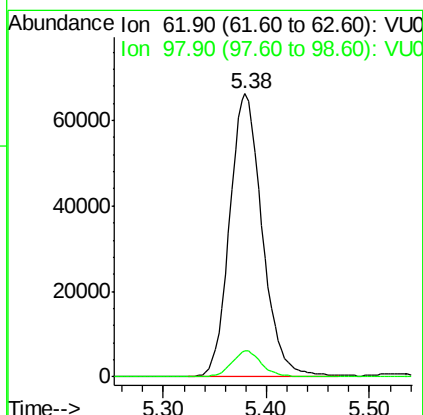
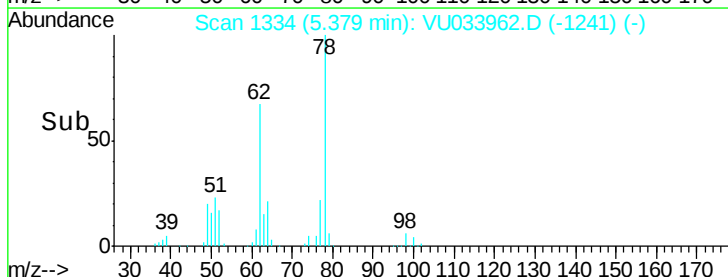
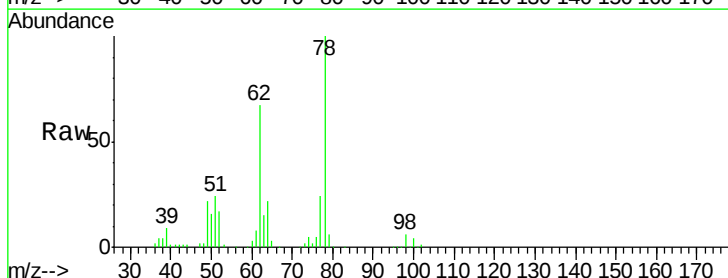
Manual Integrations
APPROVED

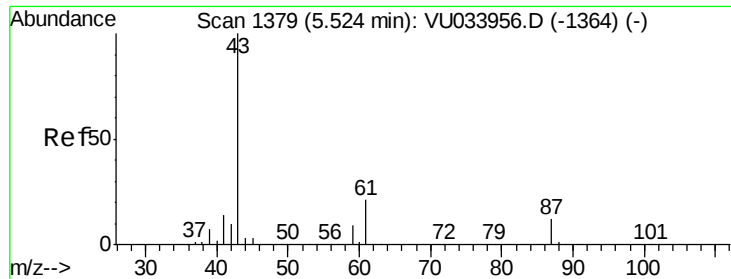
MMDadoda
8/27/2019 12:17:27 PM



#42
1,2-Dichloroethane
Concen: 20.057 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.2	





#43

Isopropyl Acetate

Concen: 20.999 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

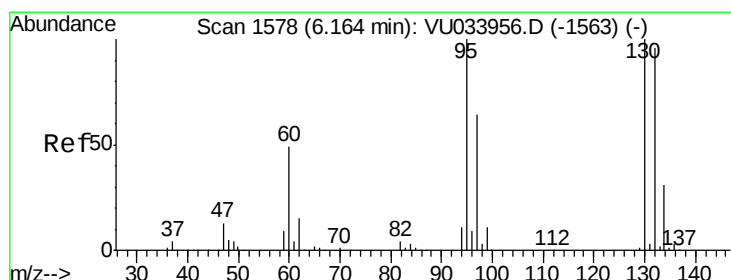
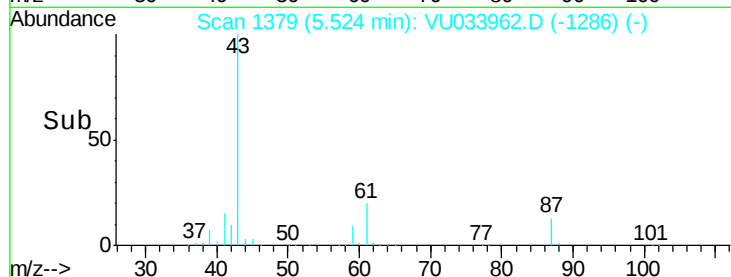
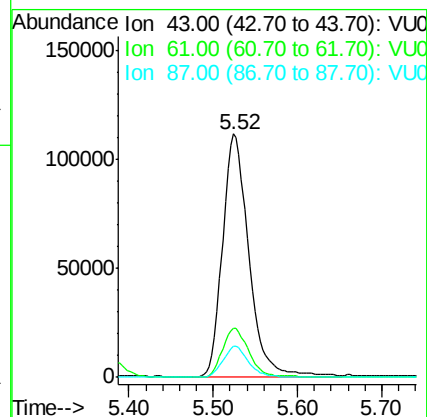
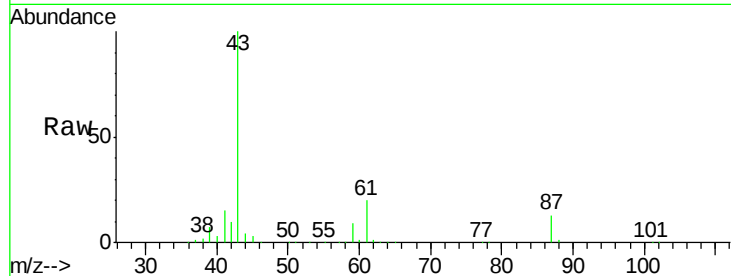
ClientSampleId :

VU0827WBSD01

Tot Ion:	43	Resp:	241680
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	12.4	9.9	14.9

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#44

Trichloroethene

Concen: 19.180 ug/l

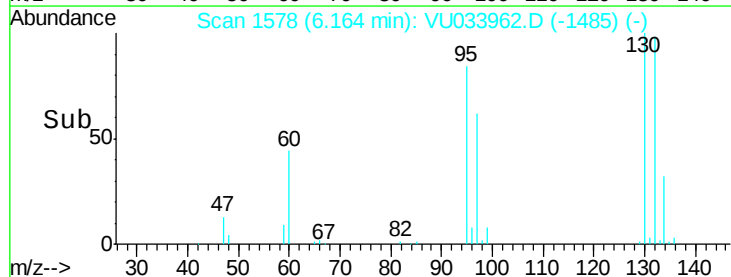
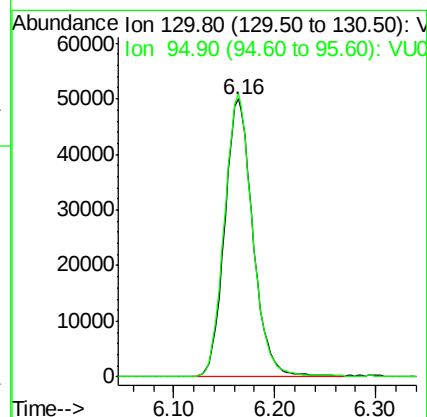
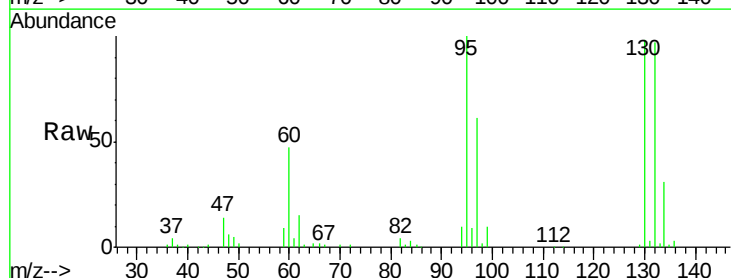
RT: 6.16 min Scan# 1578

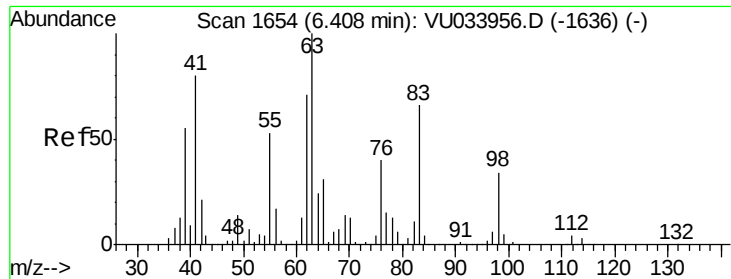
Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion:	130	Resp:	97786
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	200.4





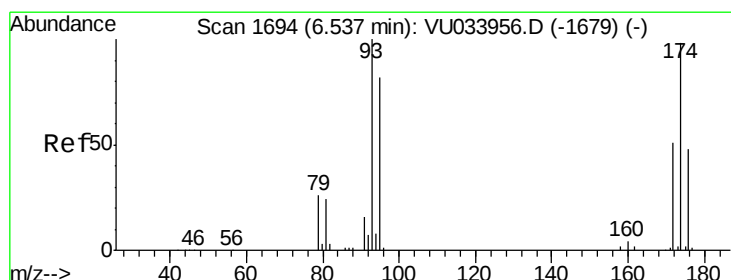
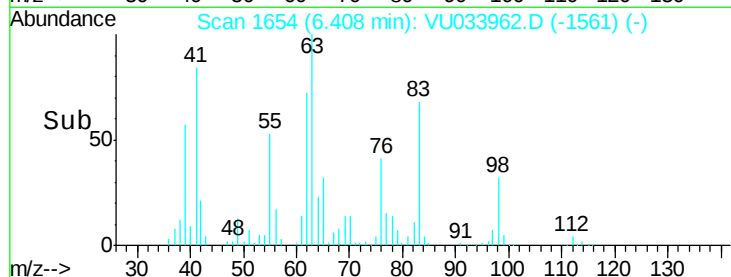
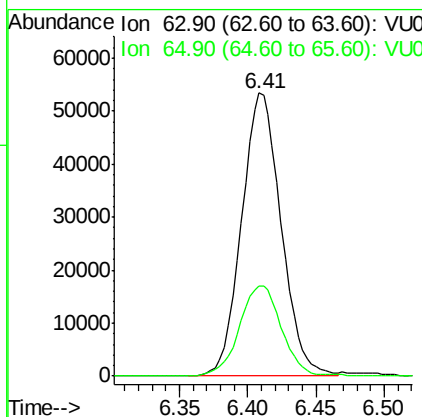
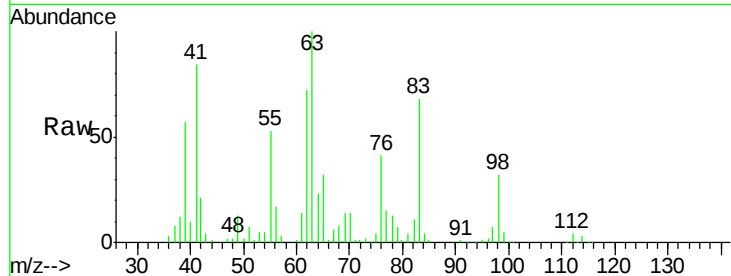
#45
 1,2-Dichloropropane
 Concen: 19.731 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion: 63 Resp: 107603
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.4

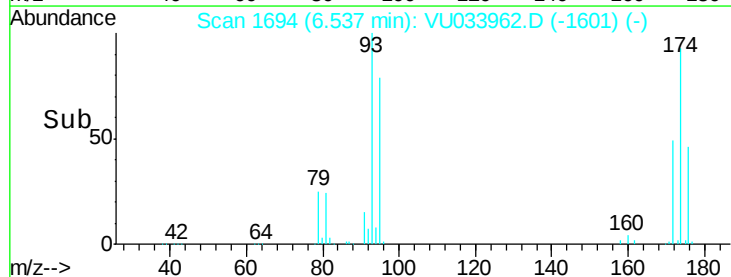
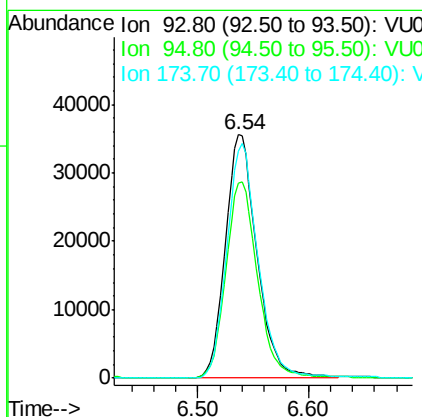
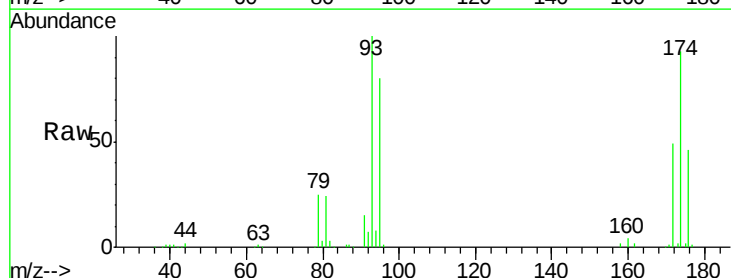
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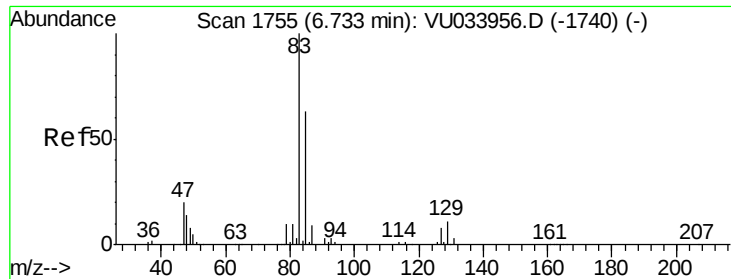
MMDadoda
 8/27/2019 12:17:27 PM



#46
 Dibromomethane
 Concen: 20.194 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion: 93 Resp: 70774
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.3 100.9
 174 95.5 79.7 119.5





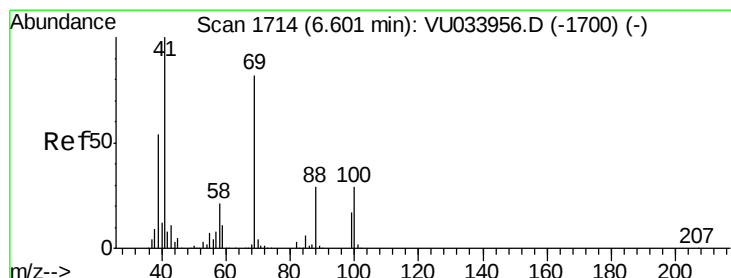
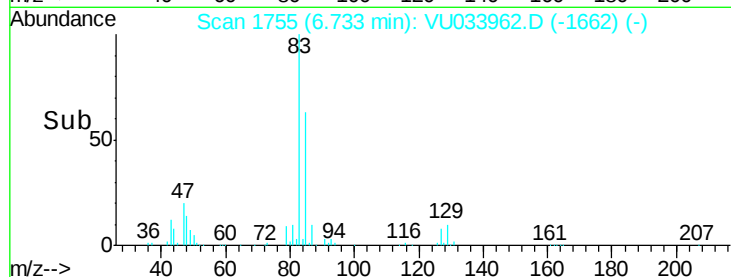
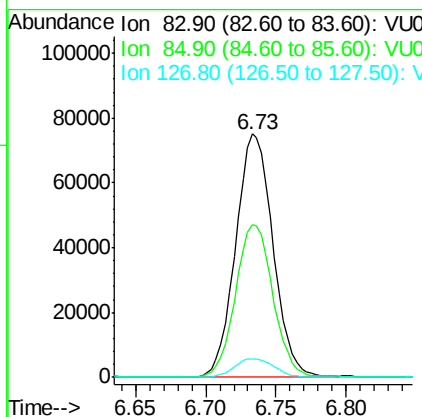
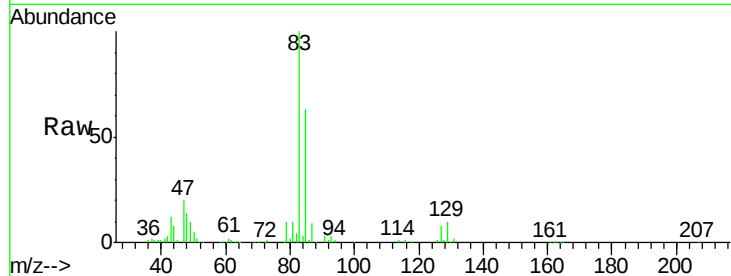
#47
Bromodichloromethane
Concen: 19.687 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	83	Resp	139522
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	7.7	6.6	9.8

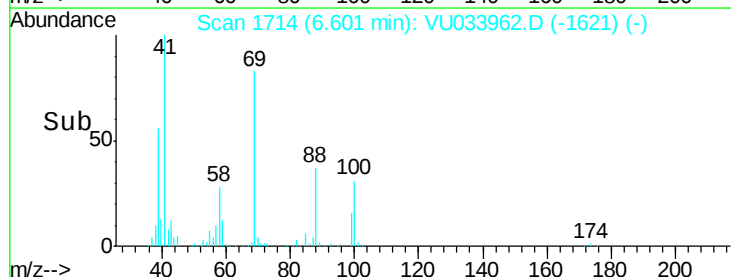
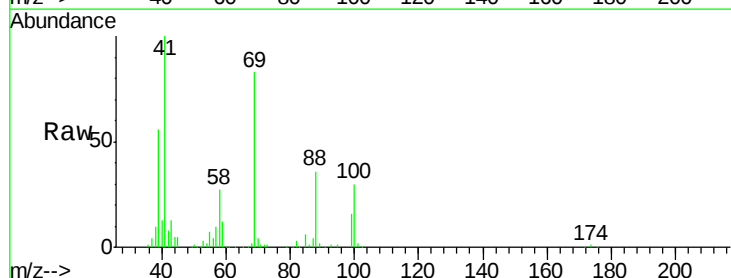
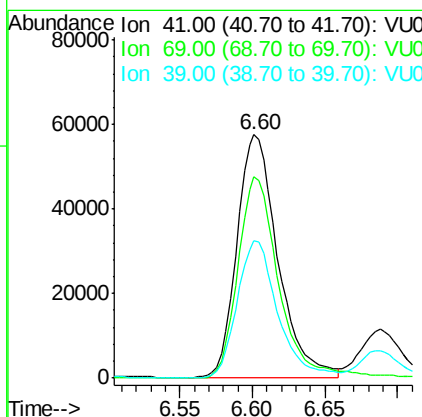
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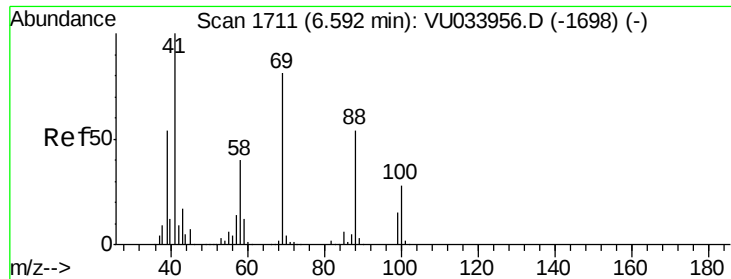
MMDadoda
8/27/2019 12:17:27 PM



#48
Methyl methacrylate
Concen: 20.097 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	41	Resp	111880
Ion Ratio	100	Lower	Upper
41	100		
69	84.1	66.9	100.3
39	56.9	43.3	64.9





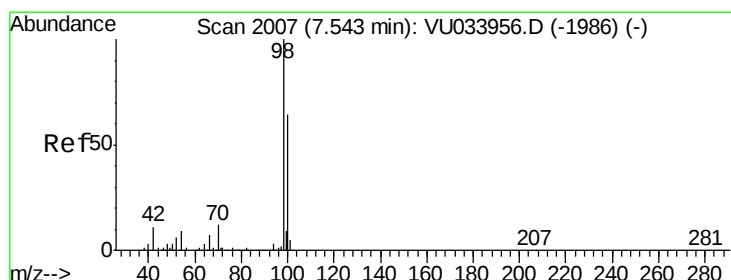
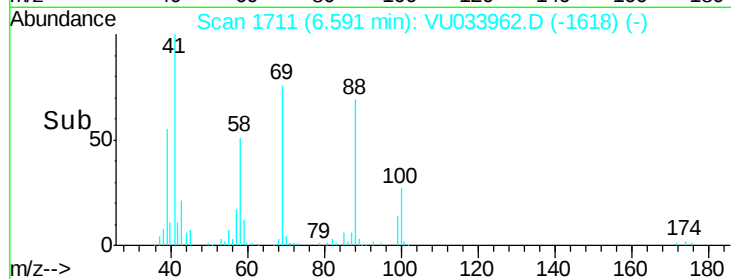
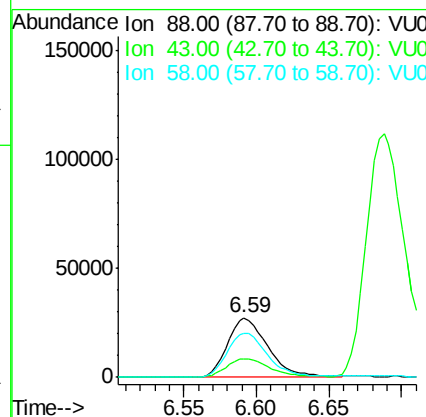
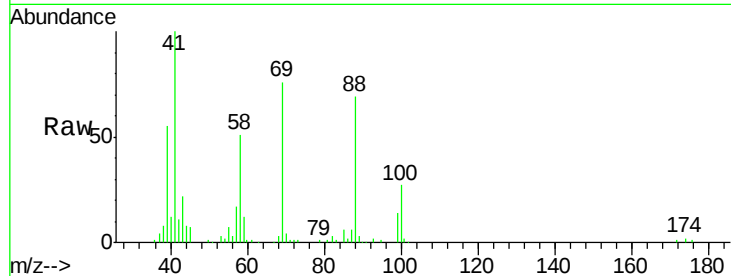
#49
1,4-Dioxane
Concen: 452.542 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.3	27.2	40.8	
58	73.8	59.3	88.9	

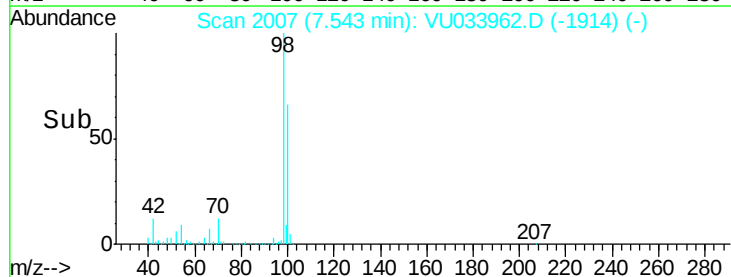
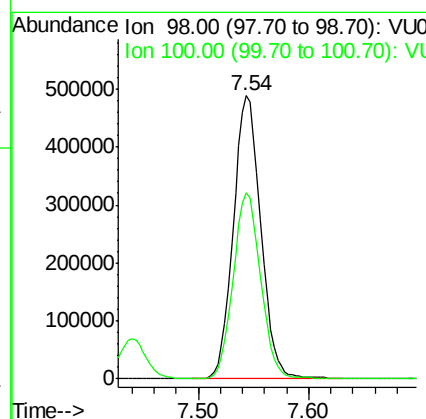
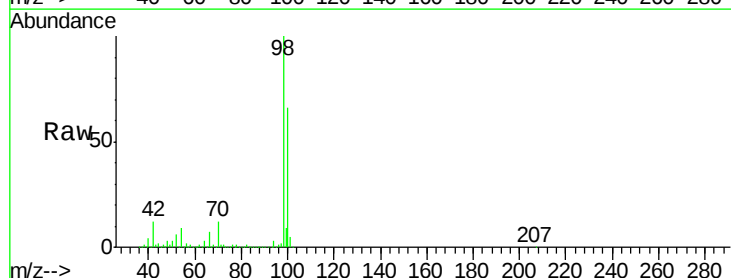
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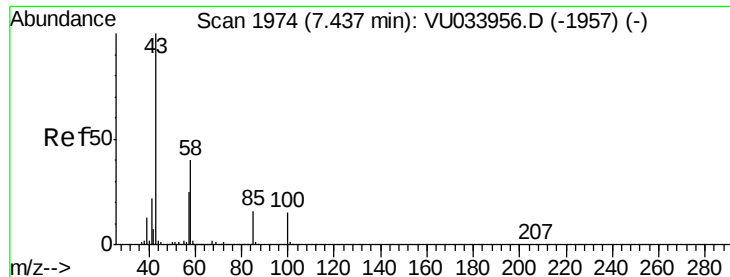
MMDadoda
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#50
Toluene-d8
Concen: 51.142 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.5	51.8	77.6	





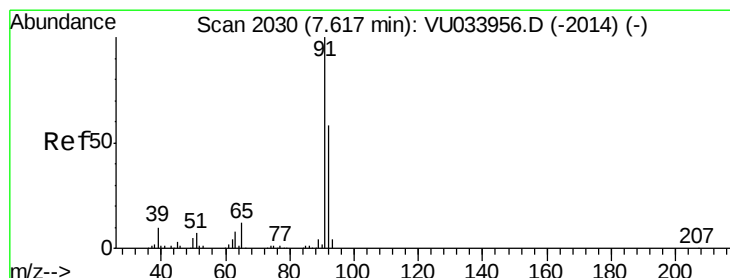
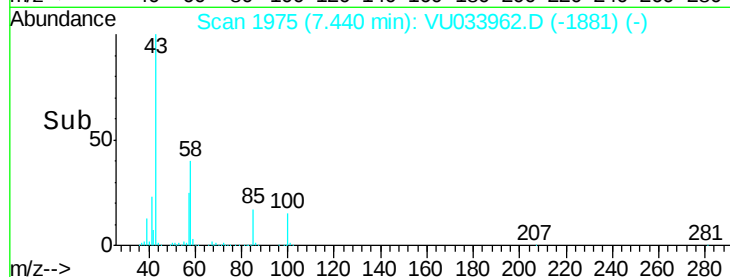
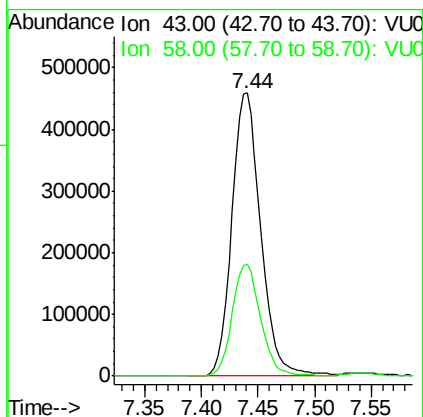
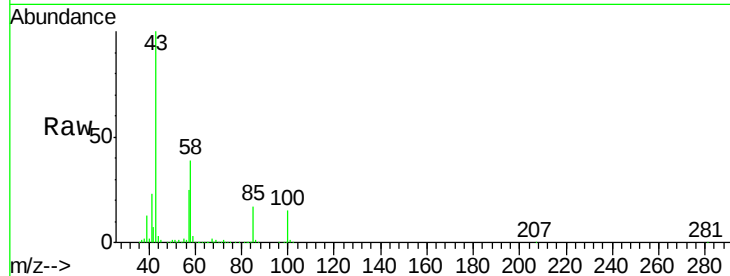
#51
4-Methyl-2-Pentanone
Concen: 104.430 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampled :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.6	47.4

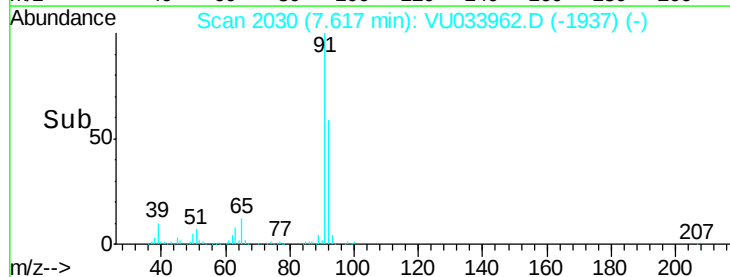
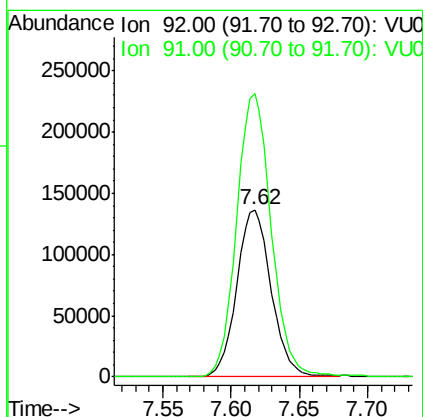
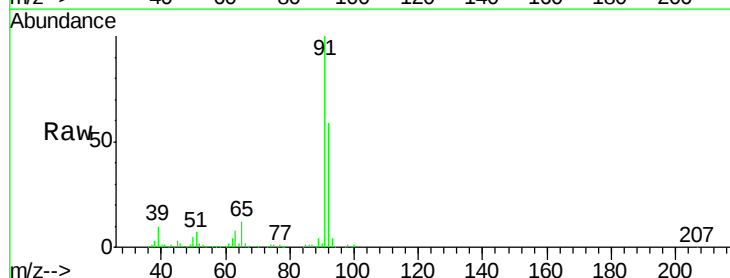
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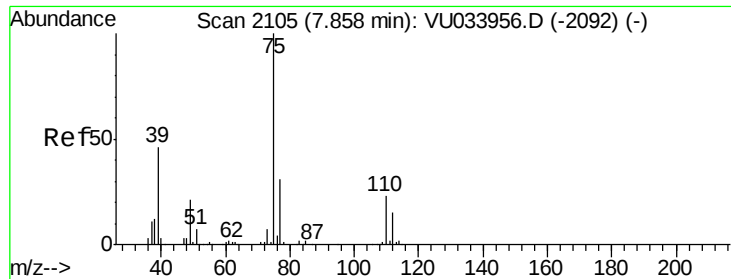
MMDadoda
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#52
Toluene
Concen: 20.876 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.5	206.3





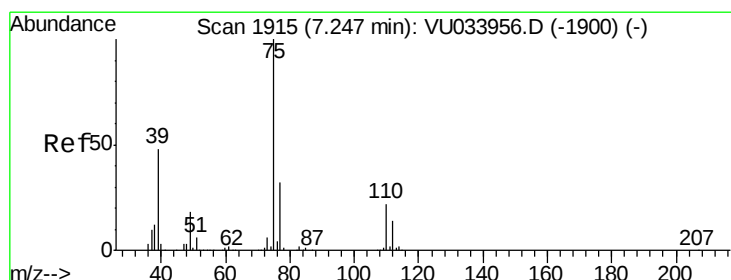
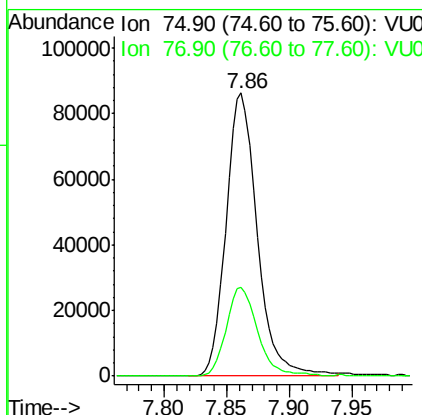
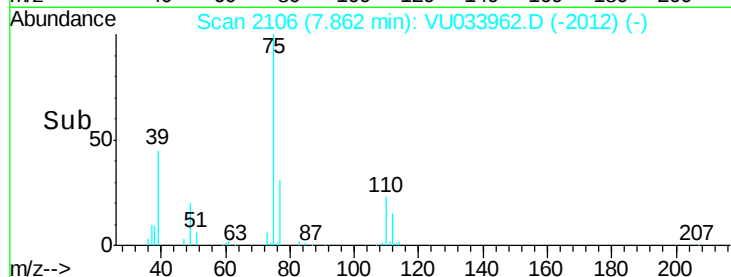
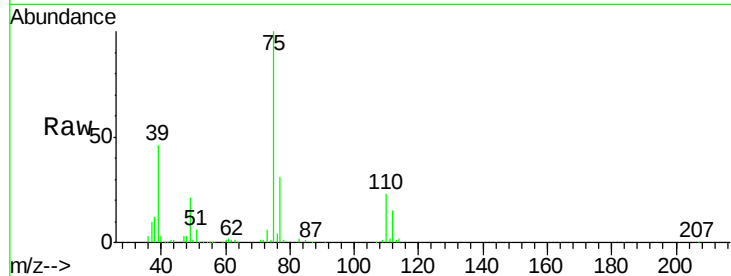
#53
 t-1,3-Dichloropropene
 Concen: 20.217 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0827WBSD01

Tot Ion: 75 Resp: 149231
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.9 37.3

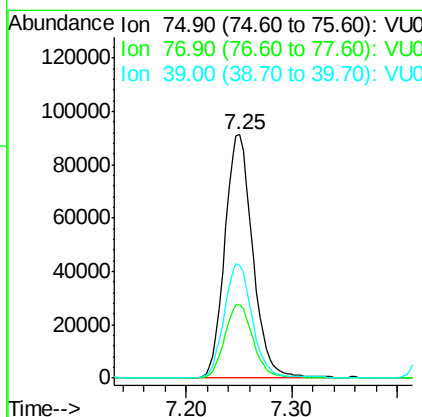
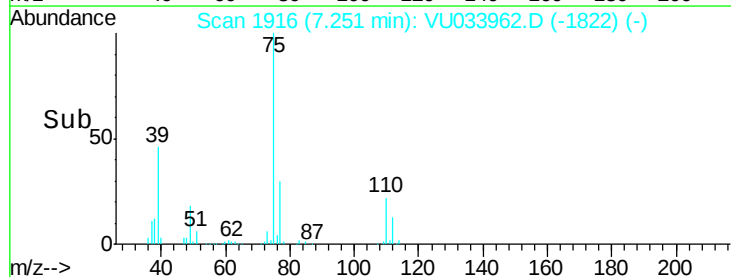
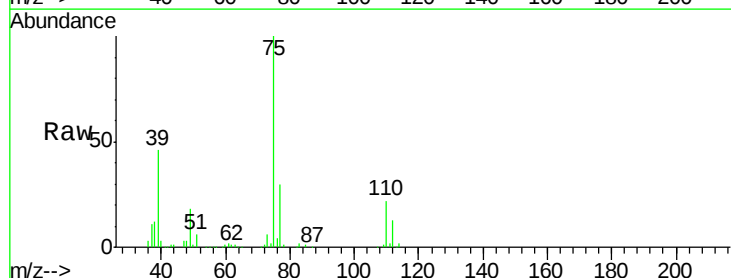
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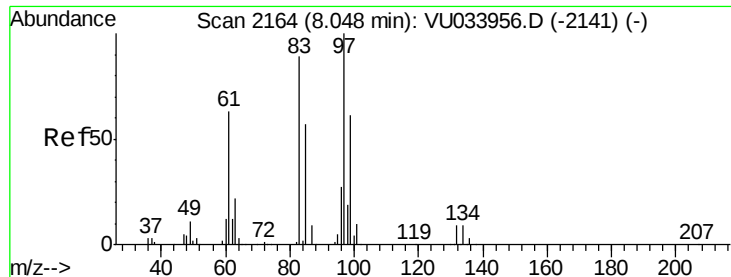
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.472 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion: 75 Resp: 167489
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.4 38.0
 39 46.2 38.3 57.5





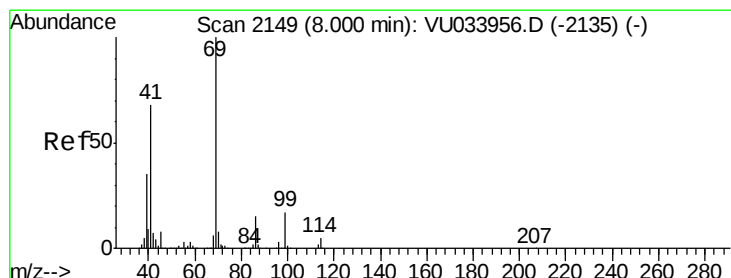
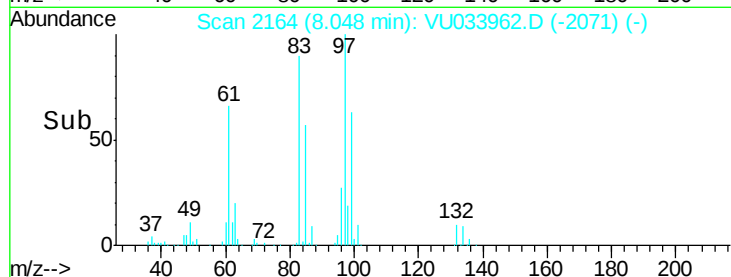
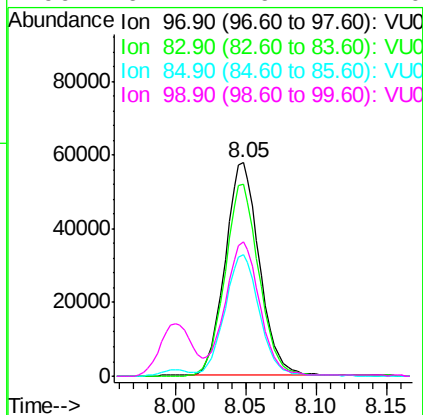
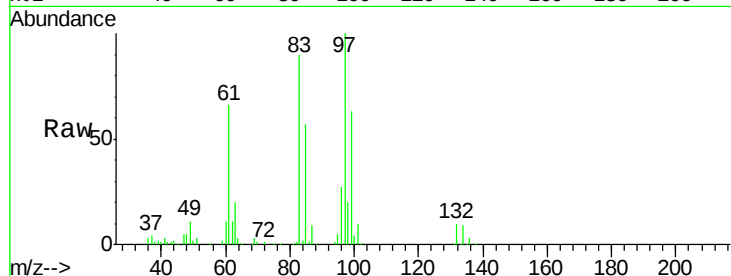
#55
 1,1,2-Trichloroethane
 Concen: 19.322 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion:	97	Resp:	97486
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.0	106.4
85	56.7	45.5	68.3
99	62.7	49.4	74.0

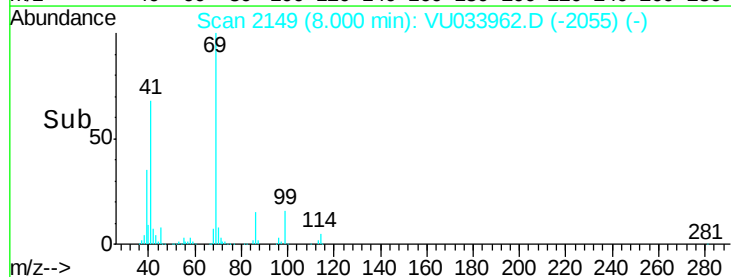
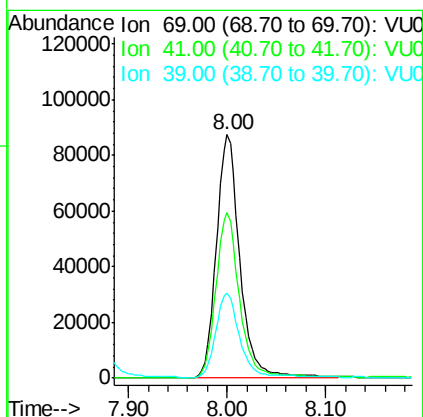
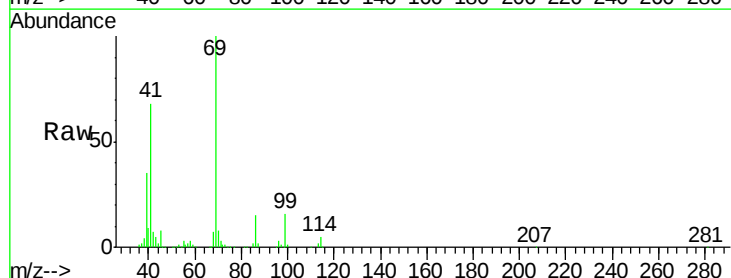
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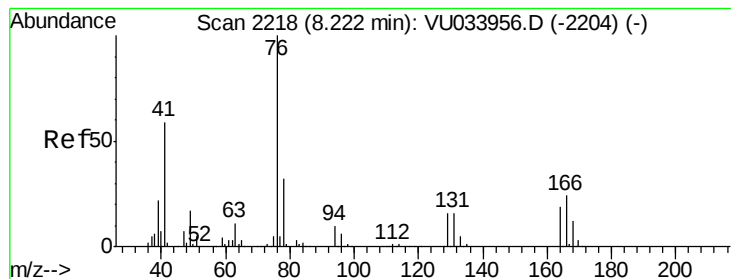
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 8/27/2019 12:17:27 PM



#56
 Ethyl methacrylate
 Concen: 20.120 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion:	69	Resp:	146726
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	34.2	28.1	42.1





#57

1,3-Dichloropropane

Concen: 19.785 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 76 Resp: 173373

Ion Ratio Lower Upper

76 100

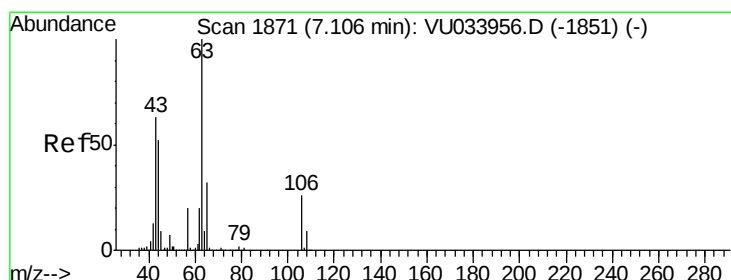
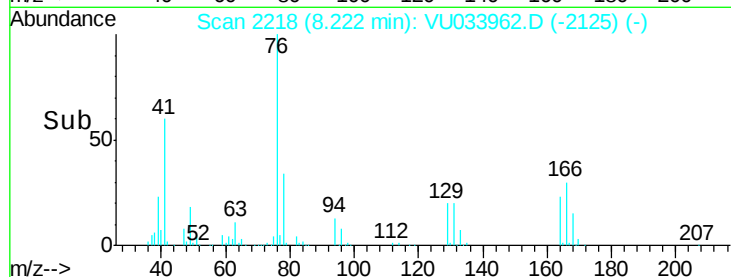
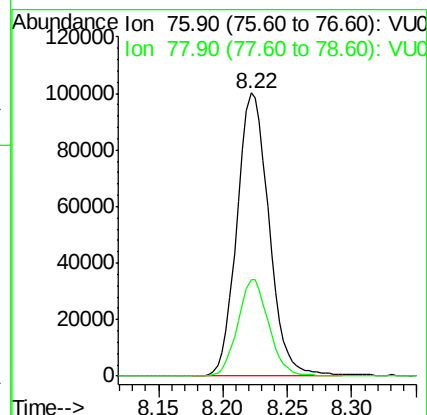
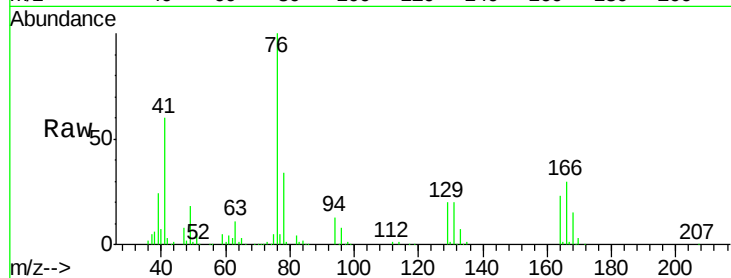
78 33.1 25.4 38.2

Manual Integrations

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MMDadoda

8/27/2019 12:17:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 89.381 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU033962.D

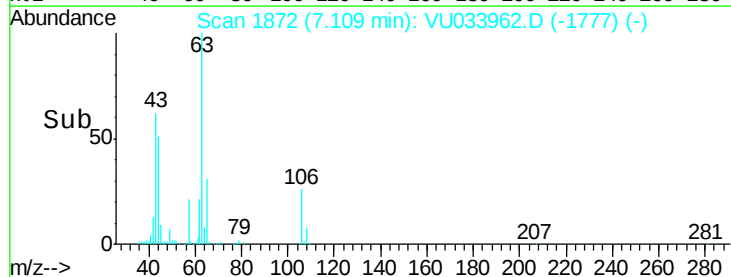
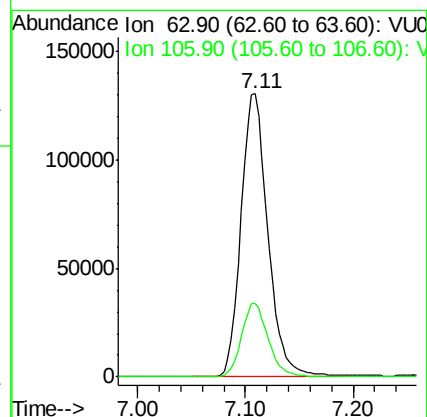
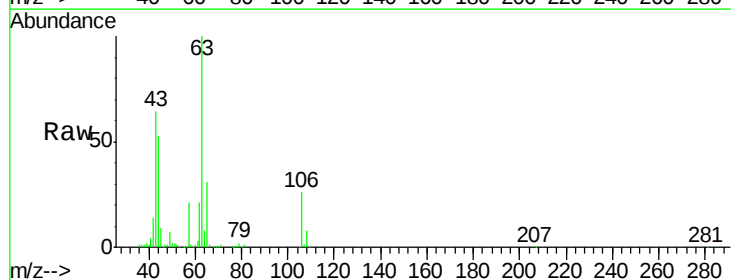
Acq: 26 Aug 2019 20:59

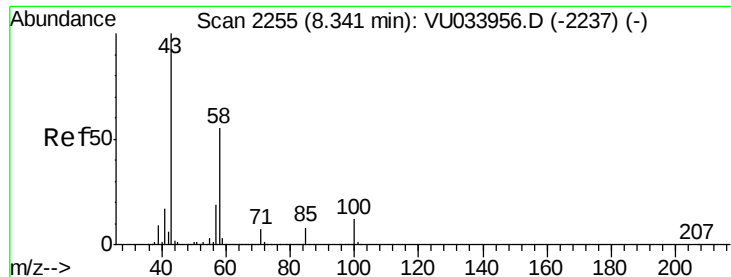
Tgt Ion: 63 Resp: 227488

Ion Ratio Lower Upper

63 100

106 25.7 20.8 31.2





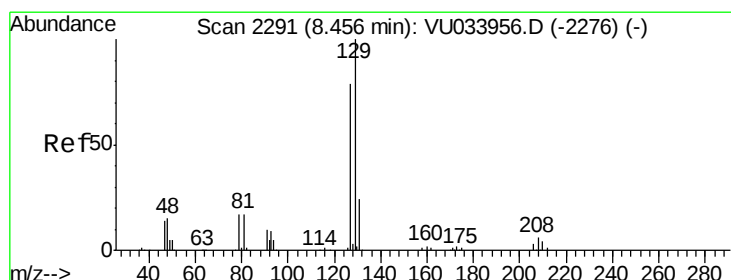
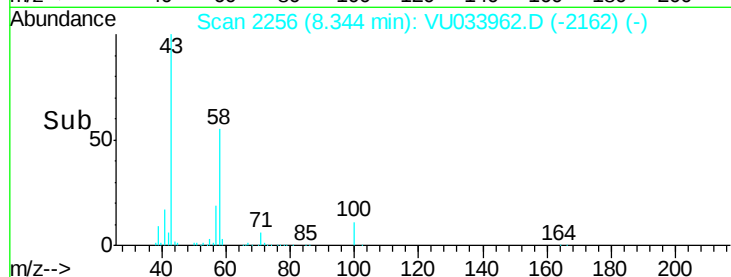
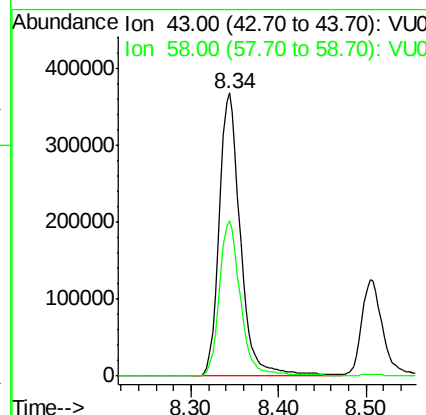
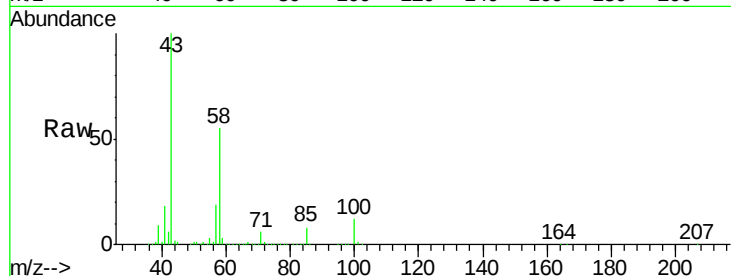
#59
2-Hexanone
Concen: 104.635 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	27.3	81.9

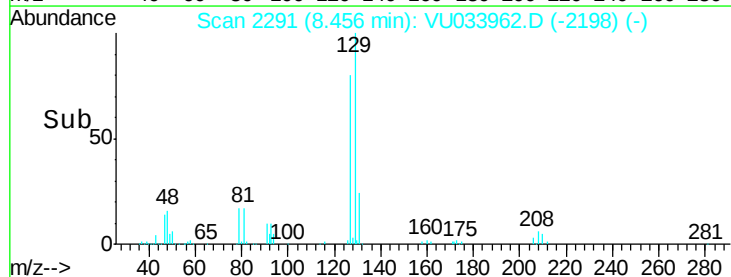
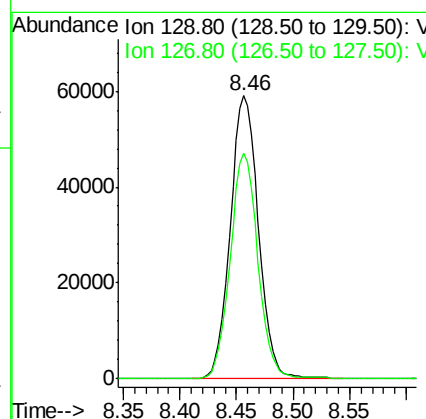
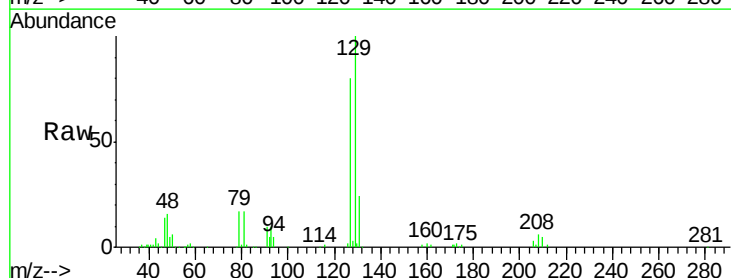
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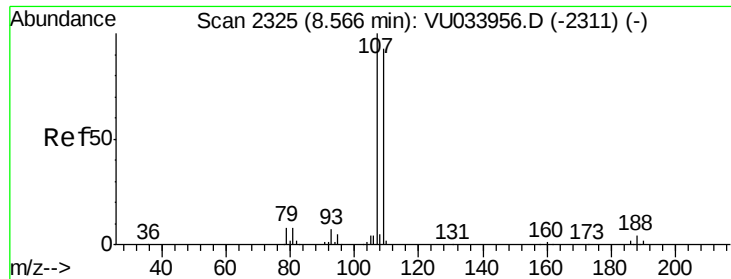
MMDadoda
8/27/2019 12:17:27 PM



#60
Dibromochloromethane
Concen: 19.542 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.080 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 107 Resp: 105039

Ion Ratio Lower Upper

107 100

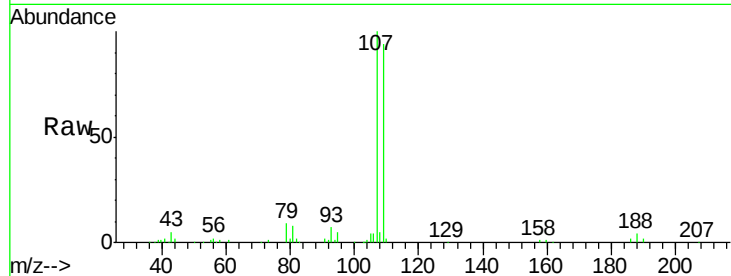
109 94.7 74.7 112.1

Manual Integrations

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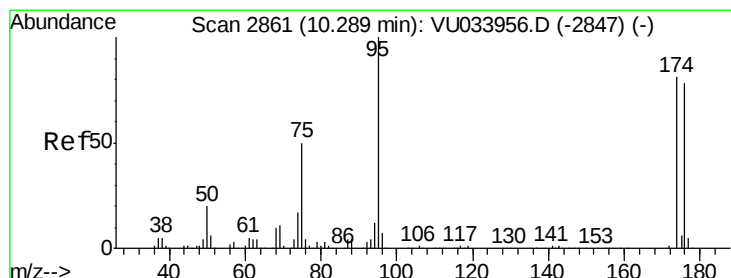
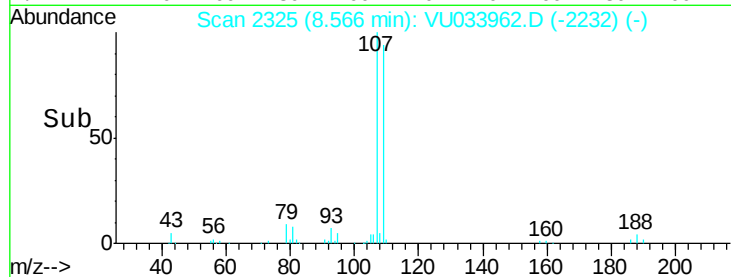
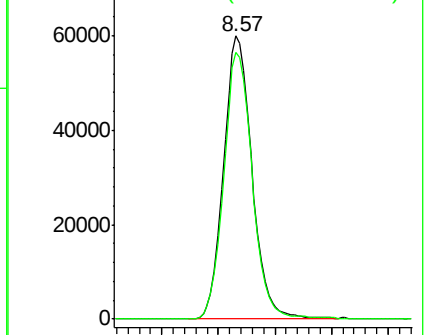
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.011 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

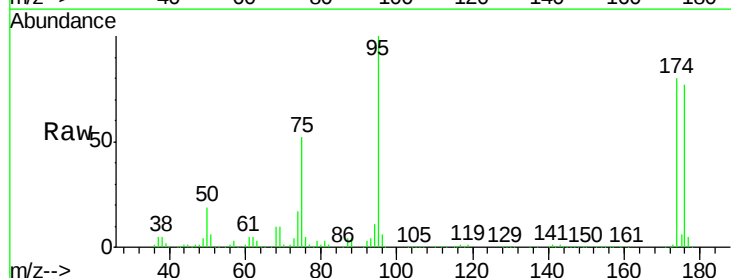
Tgt Ion: 95 Resp: 305712

Ion Ratio Lower Upper

95 100

174 80.0 0.0 160.4

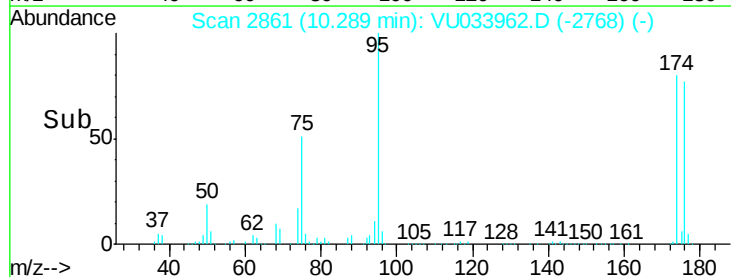
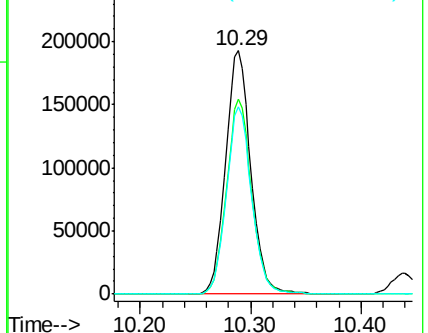
176 77.0 0.0 154.2

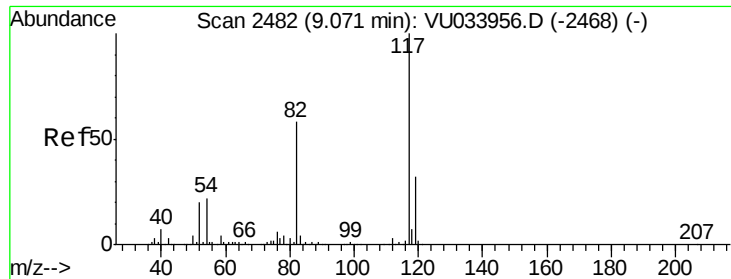


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





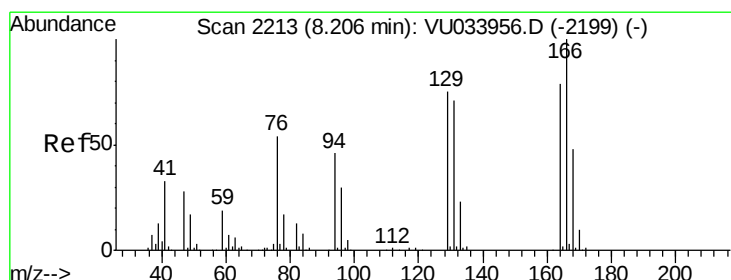
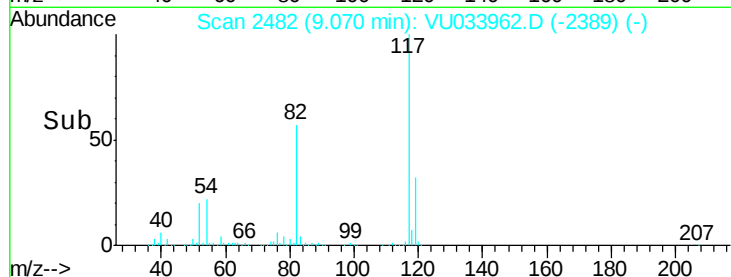
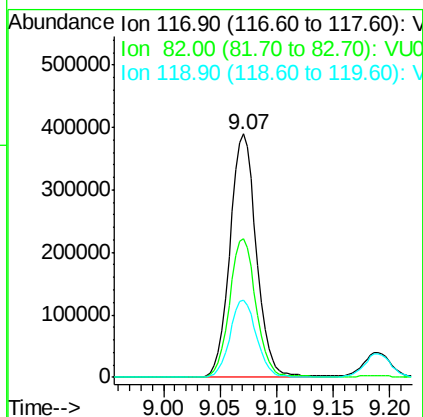
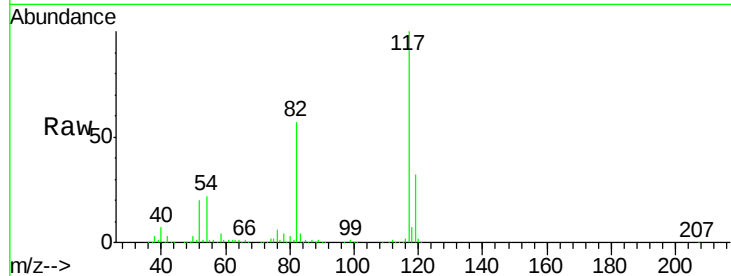
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	634847		
82	56.9	46.4	69.6	
119	31.9	25.3	37.9	

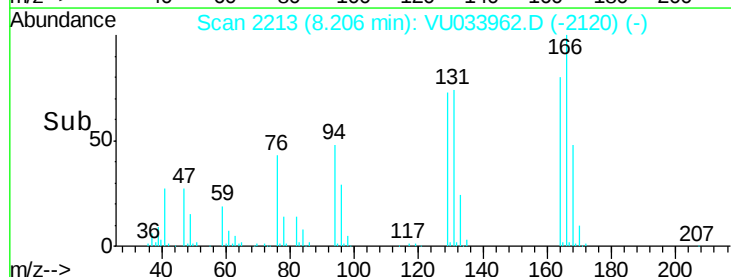
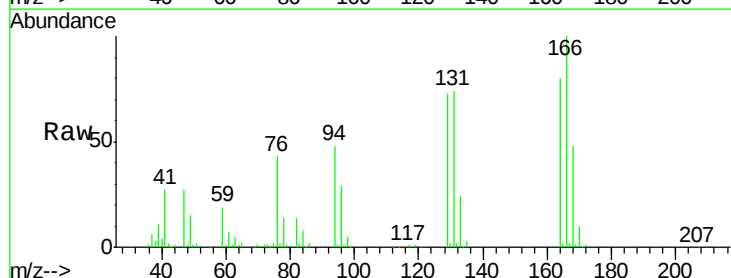
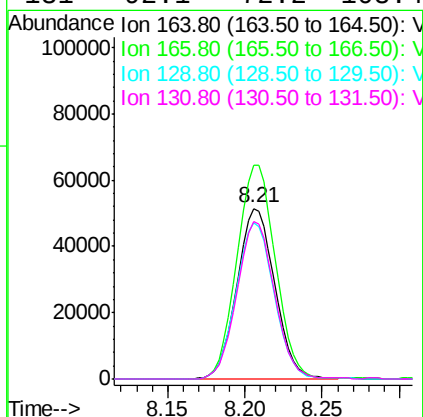
Manual Integrations
APPROVED

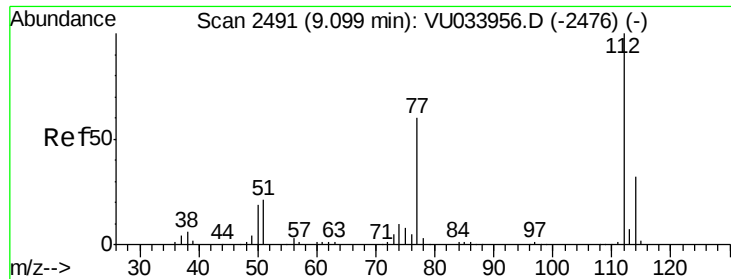
MMDadoda
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#64
Tetrachloroethene
Concen: 19.286 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87788		
166	125.1	101.4	152.2	
129	91.4	76.6	114.8	
131	92.1	72.2	108.4	





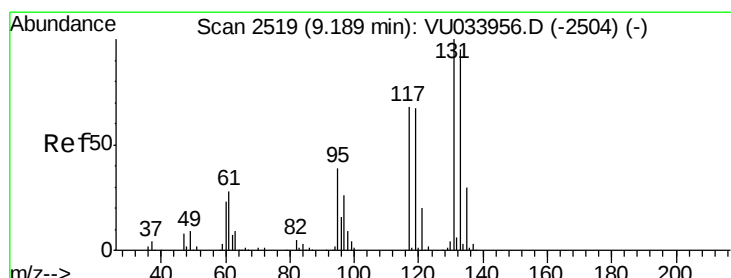
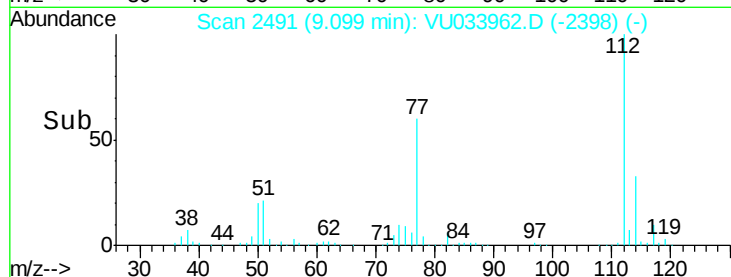
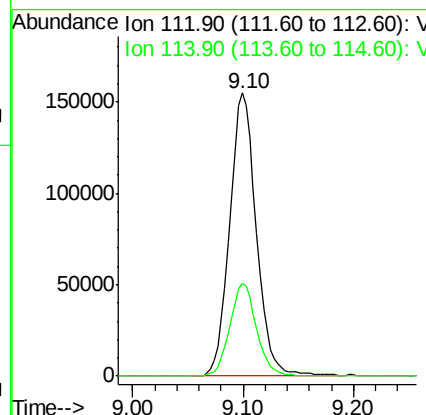
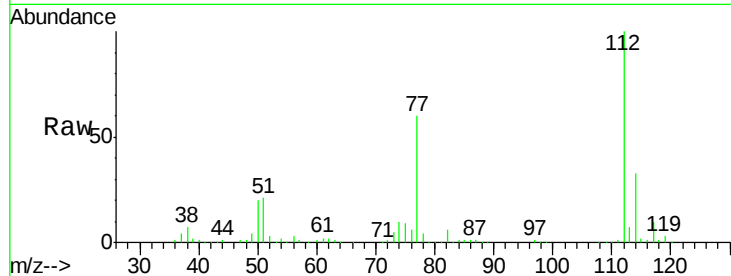
#65
Chlorobenzene
Concen: 19.886 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion:112 Resp: 260207
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

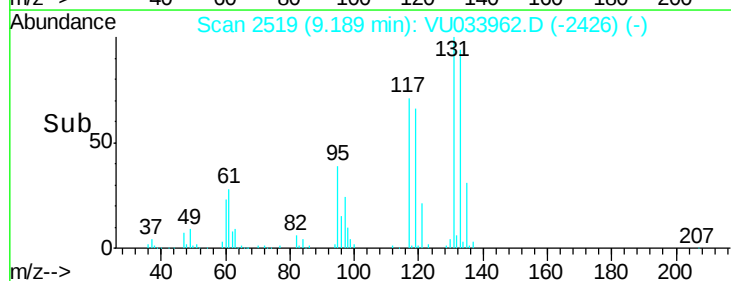
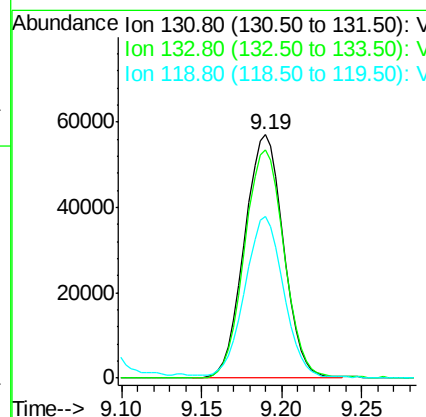
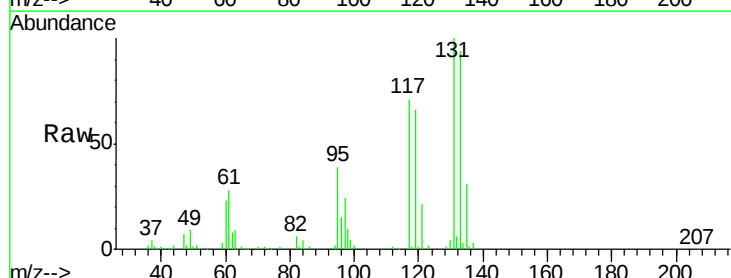
Manual Integrations
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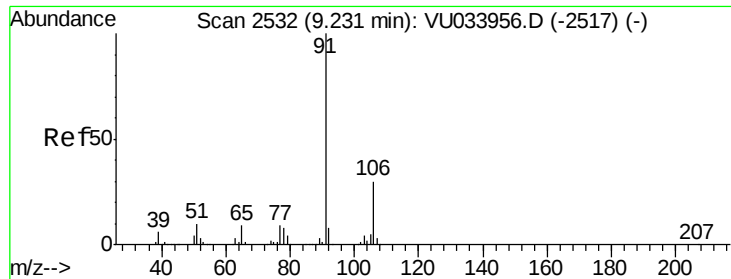
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.698 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion:131 Resp: 95357
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 66.0 33.3 99.8





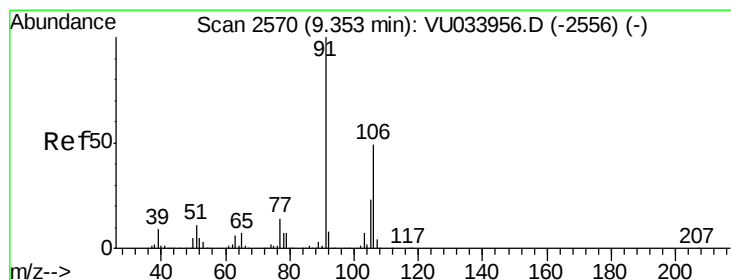
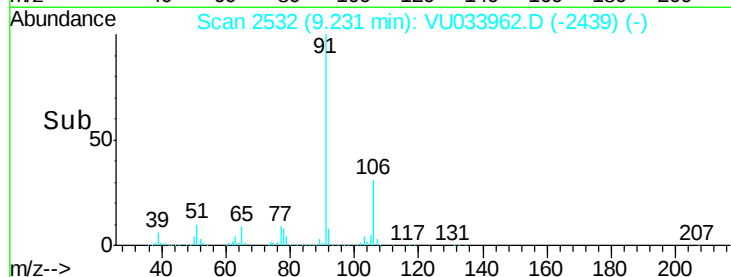
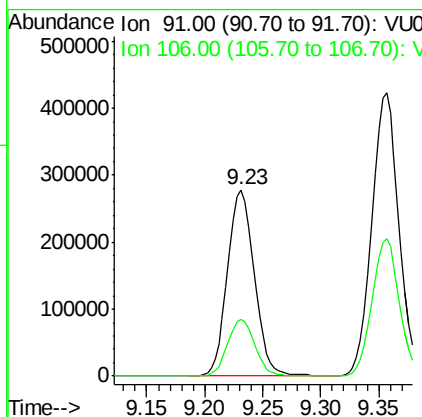
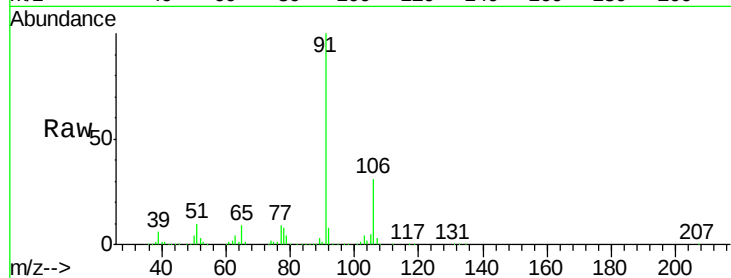
#67
Ethyl Benzene
Concen: 20.812 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		447685		
106	30.6	24.3	36.5		

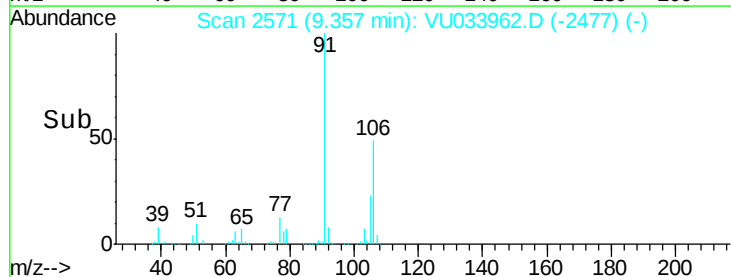
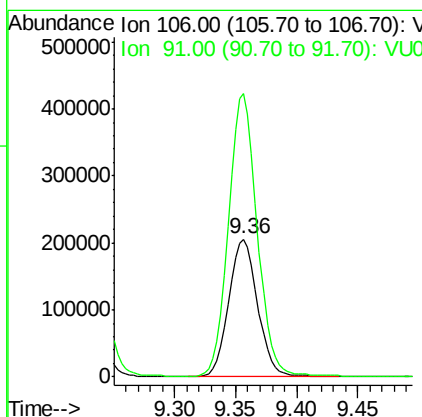
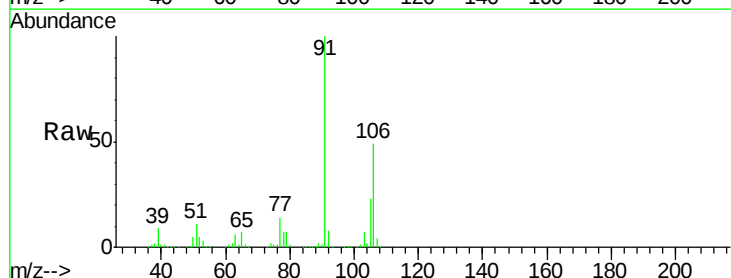
Manual Integrations
APPROVED

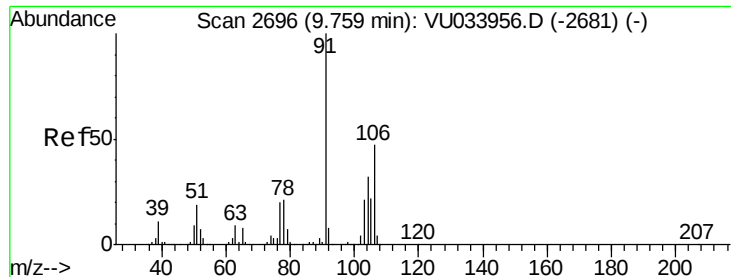
MMDadoda
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#68
m/p-Xylenes
Concen: 42.770 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		338806		
91	205.6	163.8	245.6		





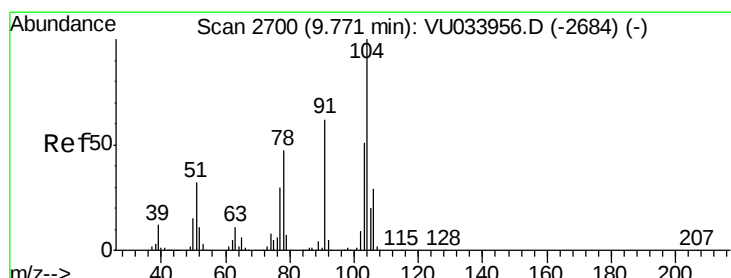
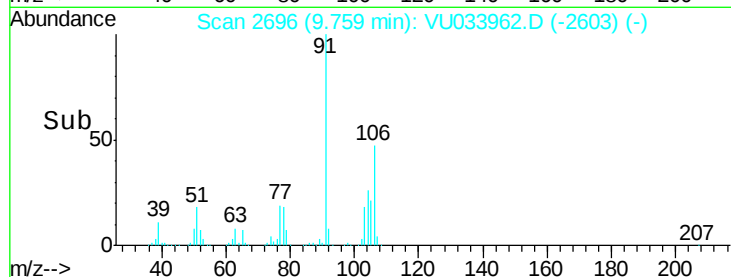
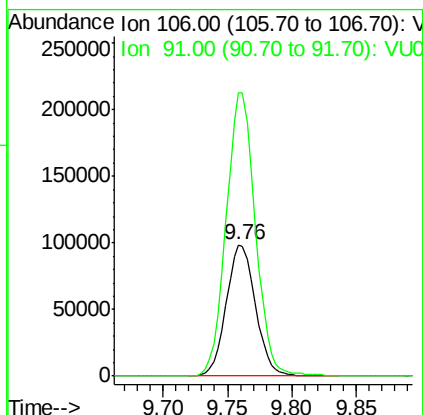
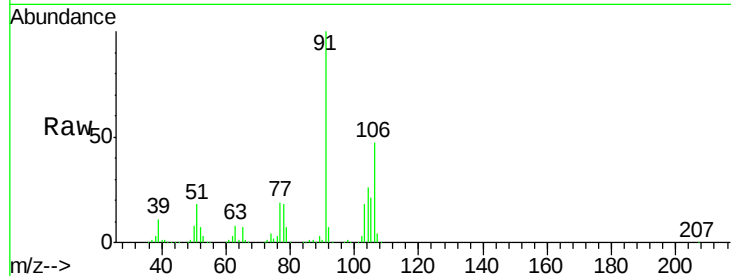
#69
o-Xylene
Concen: 20.542 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	155549		
91	91	216.1	106.9	320.7	

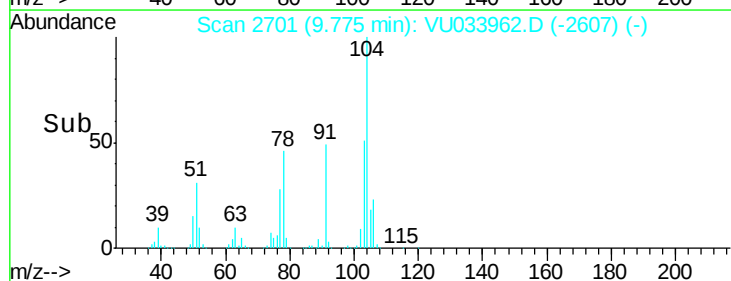
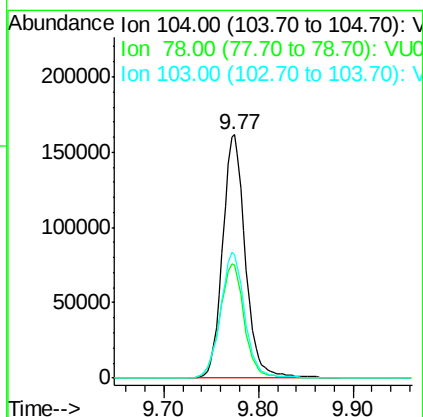
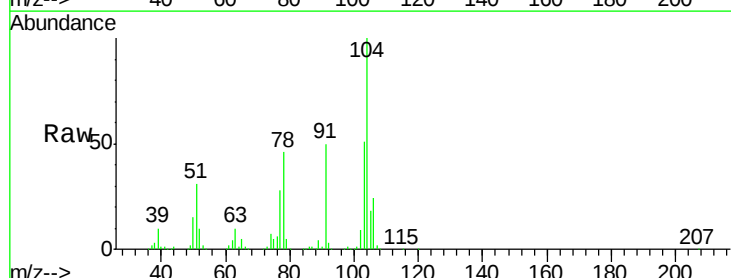
Manual Integrations
APPROVED

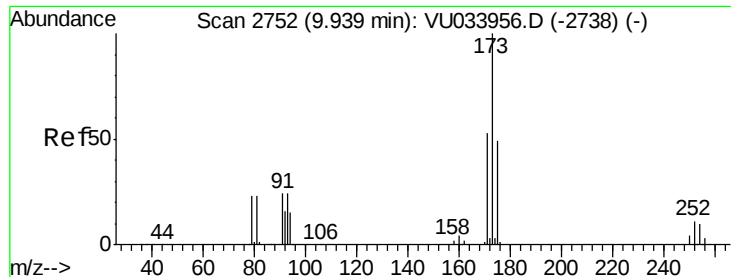
MMDadoda
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#70
Styrene
Concen: 20.621 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	270478		
78	78	50.3	40.4	60.6	
103	103	54.6	43.8	65.6	





#71

Bromoform

Concen: 19.408 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion:173 Resp: 79105

Ion Ratio Lower Upper

173 100

175 46.8 24.8 74.3

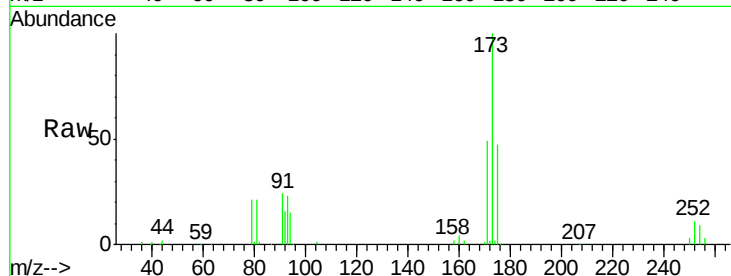
254 0.0 0.1 0.1#

Manual Integrations

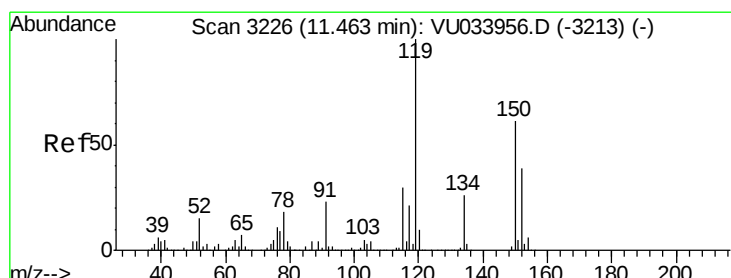
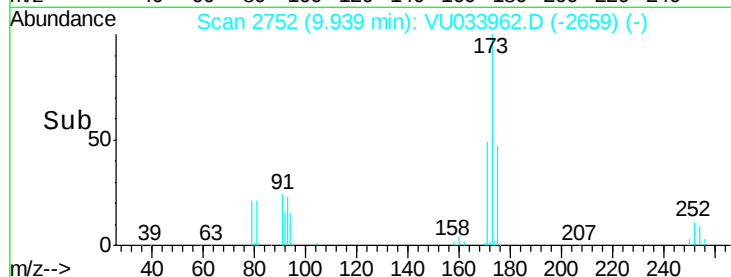
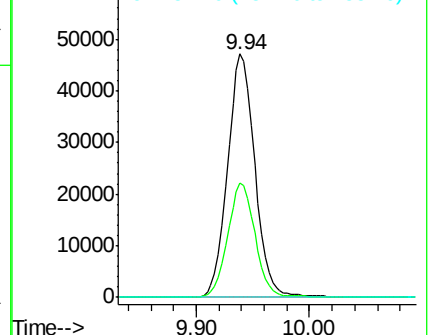
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

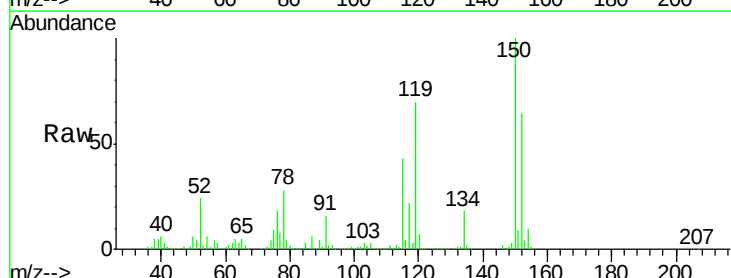
Tgt Ion:152 Resp: 307144

Ion Ratio Lower Upper

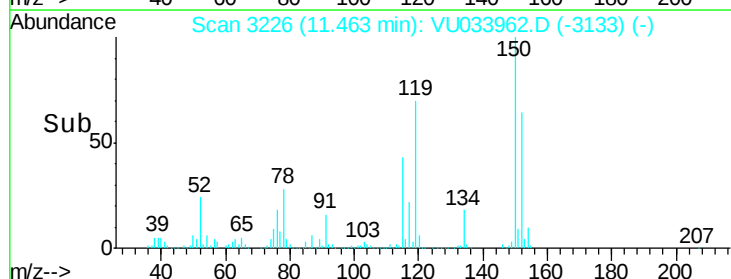
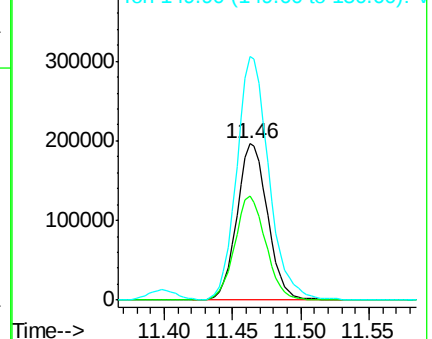
152 100

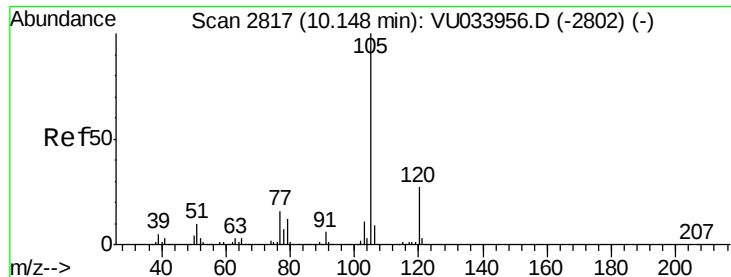
115 67.1 40.3 120.9

150 162.8 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: 22.468 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion:105 Resp: 426513

Ion Ratio Lower Upper

105 100

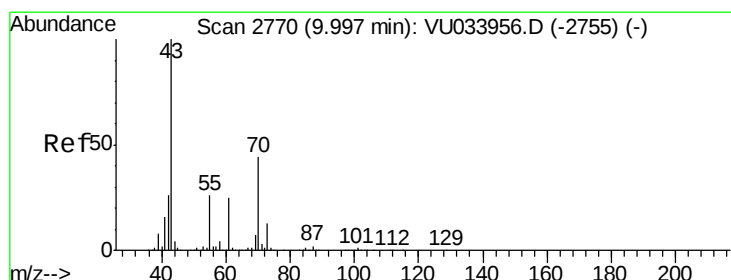
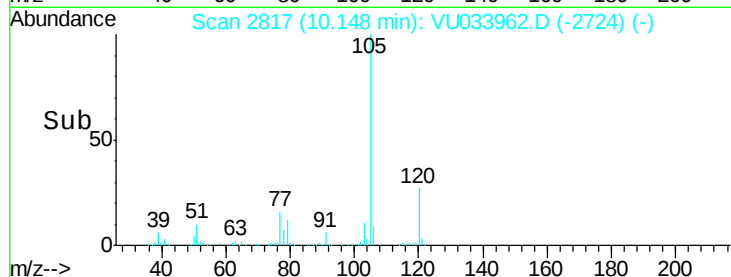
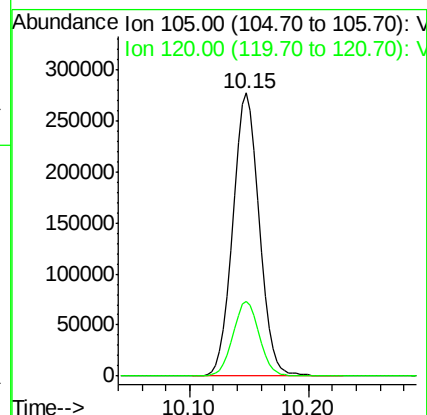
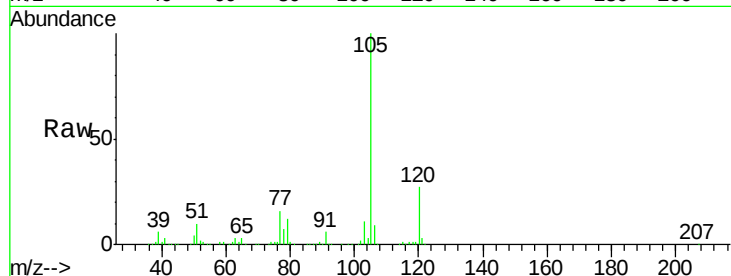
120 26.4 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.012 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion: 43 Resp: 188160

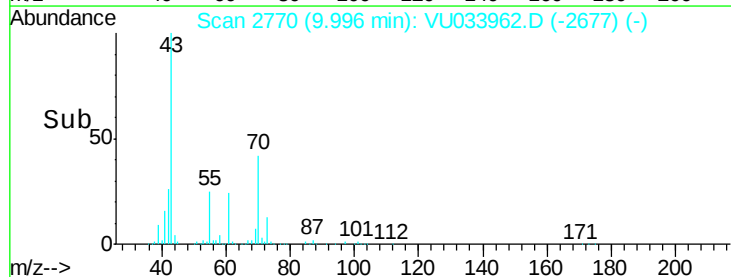
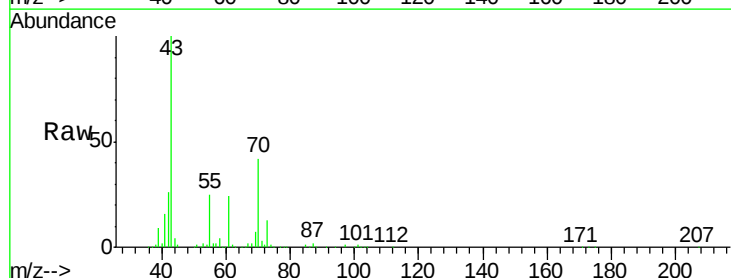
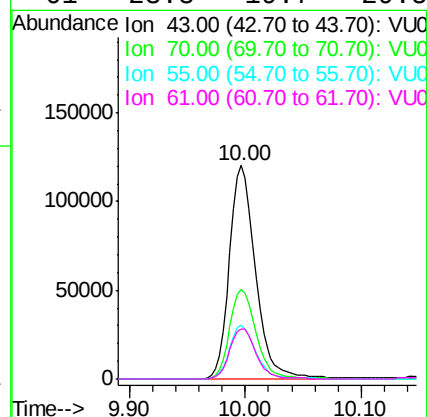
Ion Ratio Lower Upper

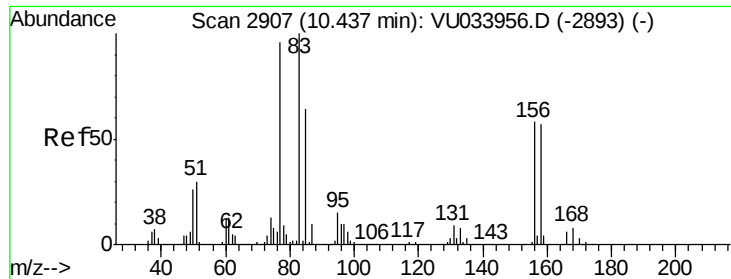
43 100

70 42.8 34.5 51.7

55 25.4 20.9 31.3

61 23.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.741 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

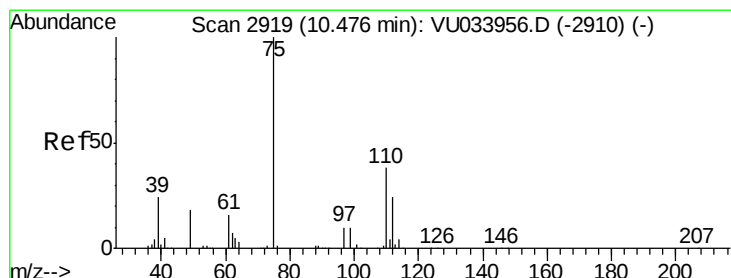
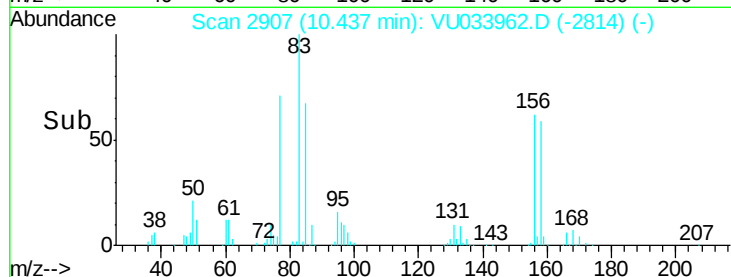
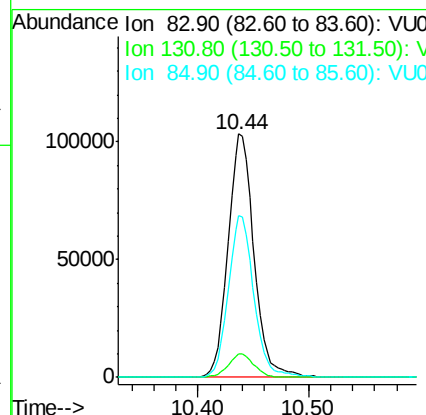
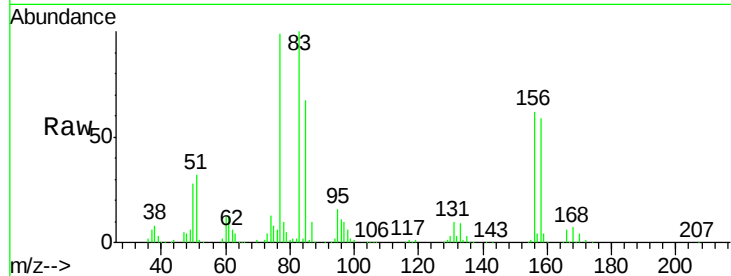
ClientSampleId :

VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168484		
131	9.5	4.6	13.8	
85	65.6	32.4	97.0	

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.311 ug/l m

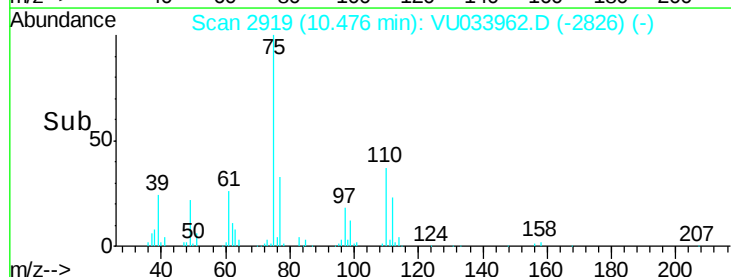
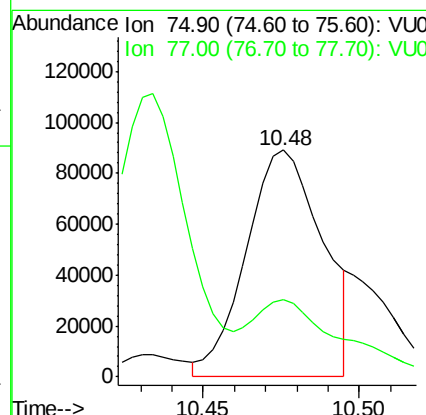
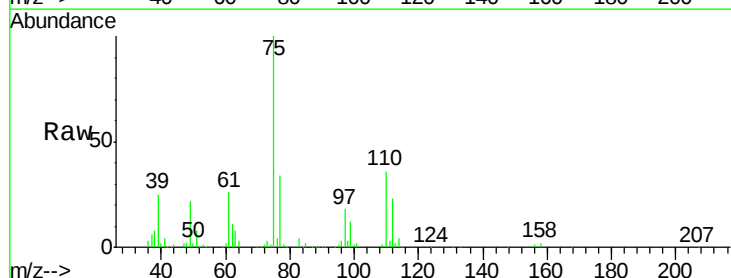
RT: 10.48 min Scan# 2919

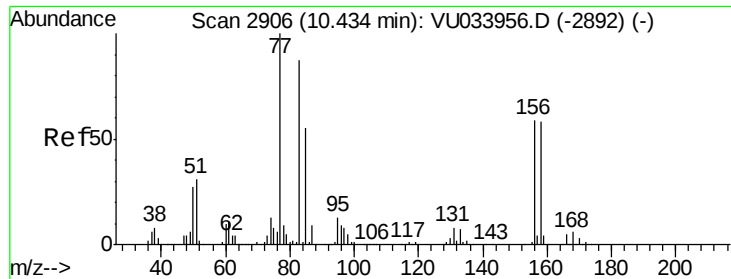
Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	151430		
77	41.2	20.1	60.3	





#77

Bromobenzene

Concen: 21.804 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

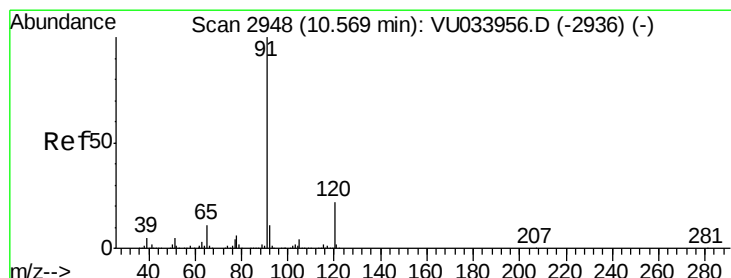
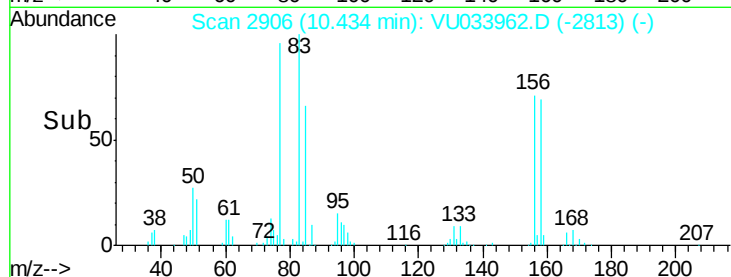
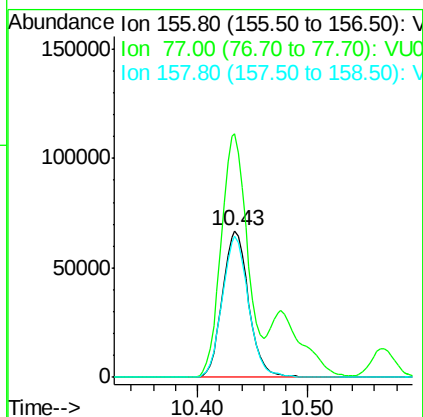
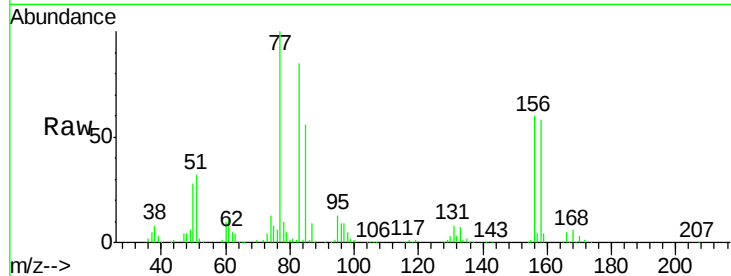
ClientSampleId :

VU0827WBSD01

Tot Ion:	156	Resp:	110504
Ion Ratio	Lower	Upper	
156	100		
77	165.8	85.3	255.8
158	96.9	48.9	146.7

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#78

n-propylbenzene

Concen: 22.075 ug/l

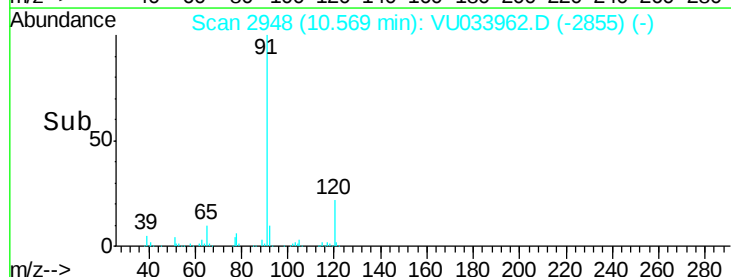
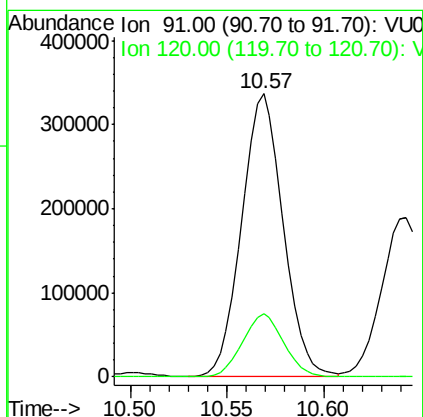
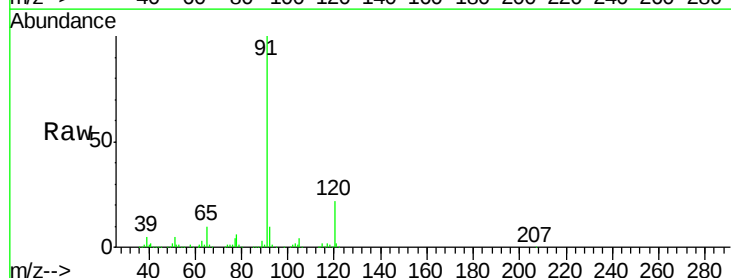
RT: 10.57 min Scan# 2948

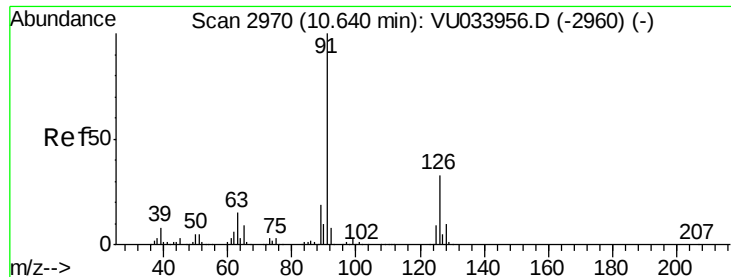
Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion:	91	Resp:	501026
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.6





#79

2-Chlorotoluene

Concen: 22.264 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion: 91 Resp: 302603

Ion Ratio Lower Upper

91 100

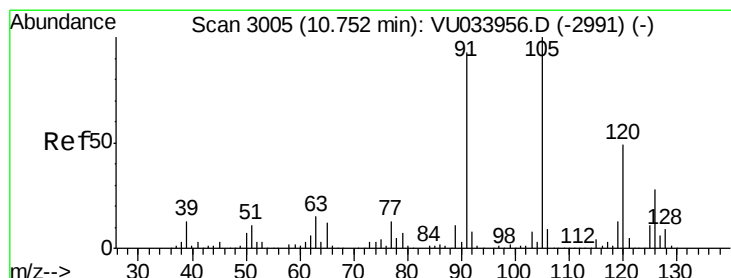
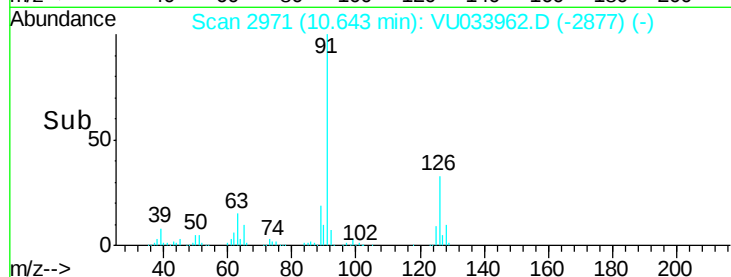
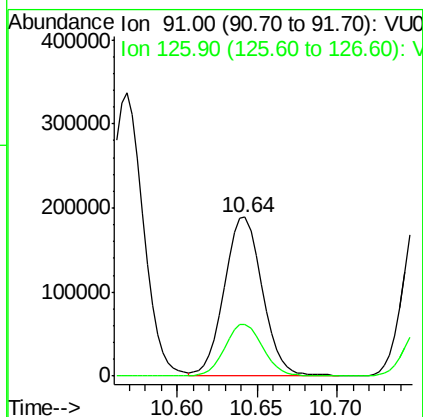
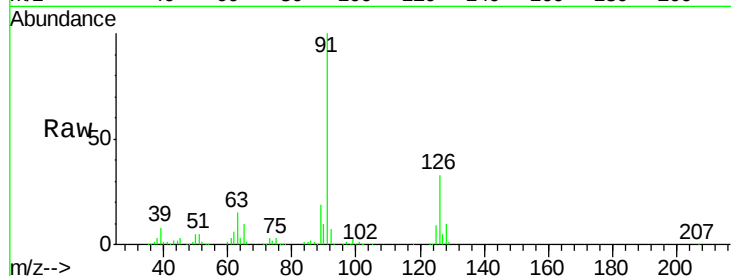
126 33.1 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.217 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033962.D

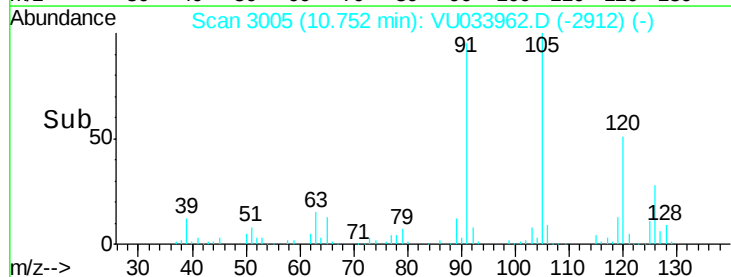
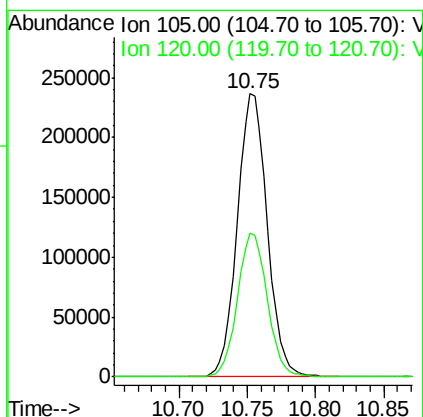
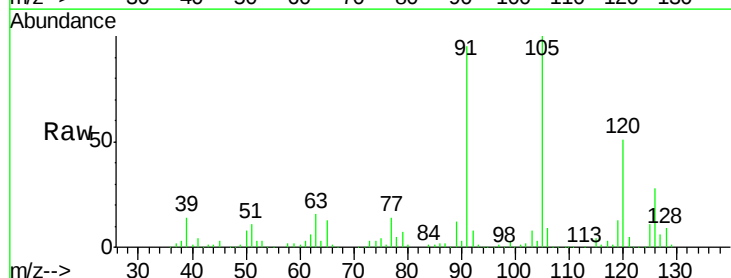
Acq: 26 Aug 2019 20:59

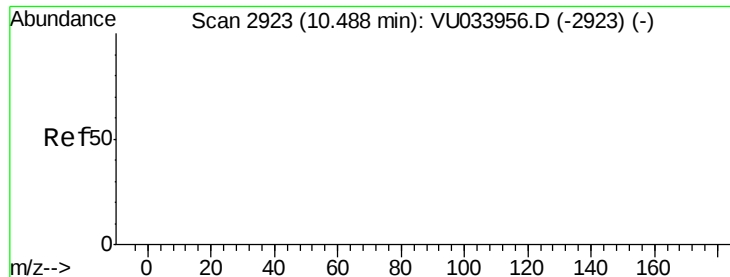
Tgt Ion: 105 Resp: 360435

Ion Ratio Lower Upper

105 100

120 50.6 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.563 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

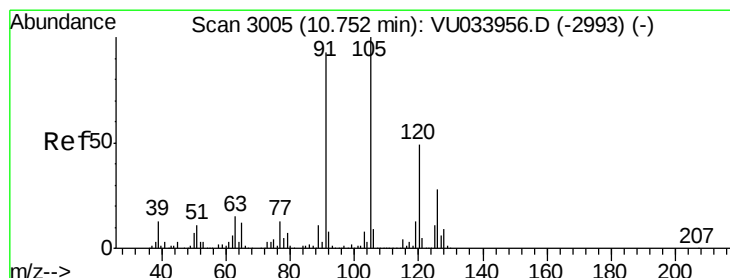
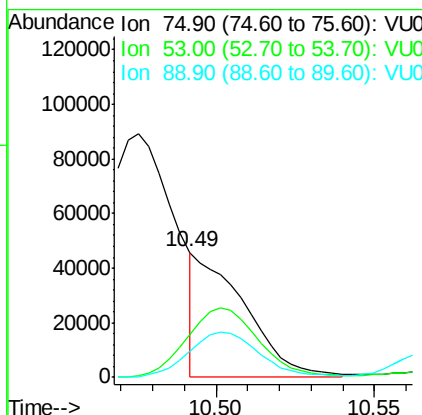
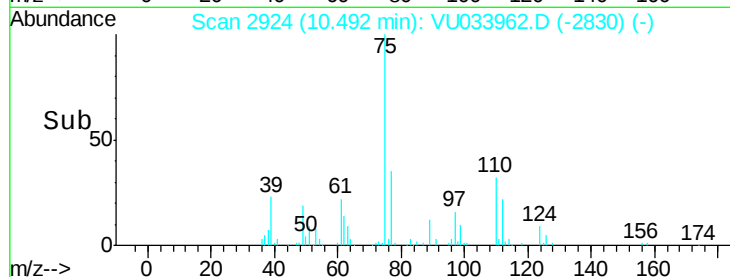
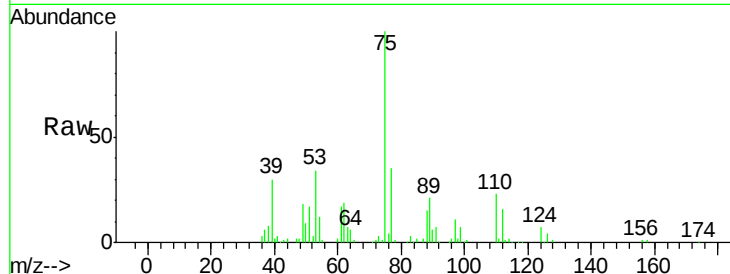
Instrument :
MSVOA_U

ClientSampleId :
VU0827WBSD01

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

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#82

4-Chlorotoluene

Concen: 21.753 ug/l

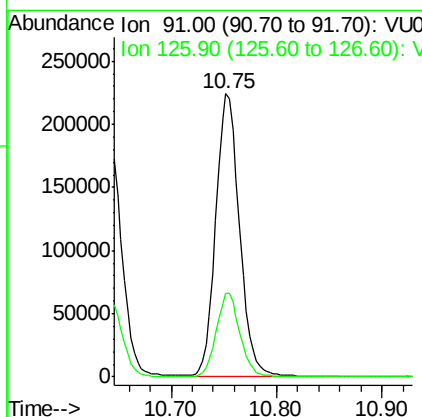
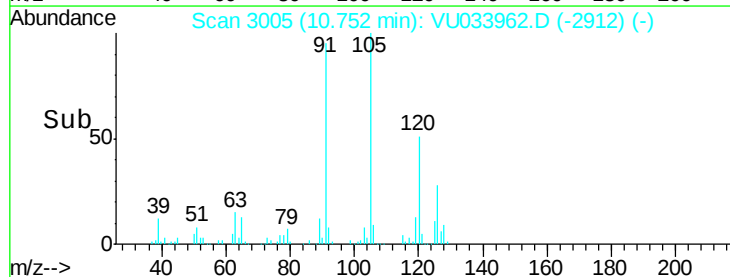
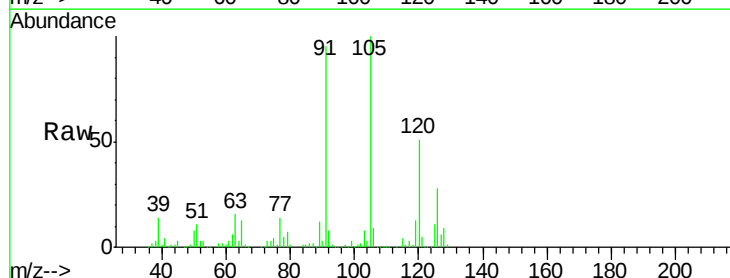
RT: 10.75 min Scan# 3005

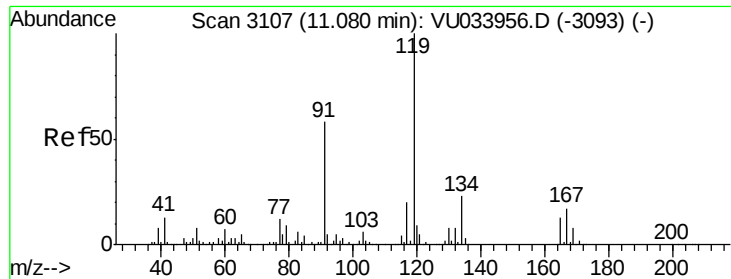
Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.8	44.3





#83

tert-Butylbenzene

Concen: 22.402 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

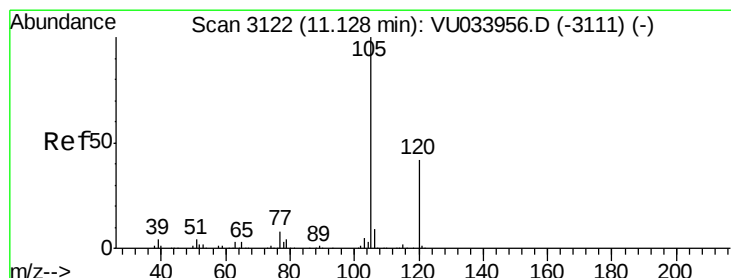
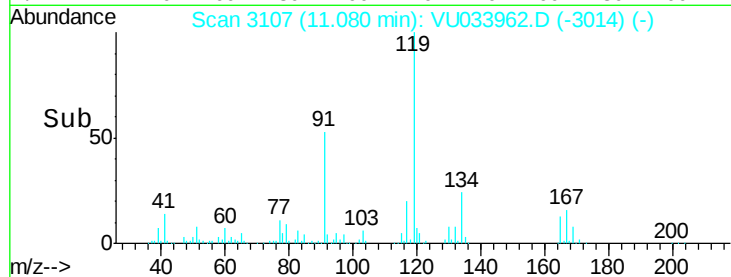
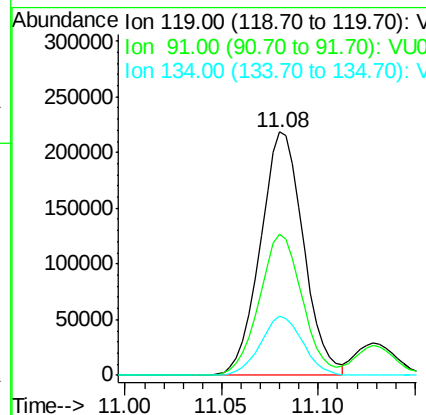
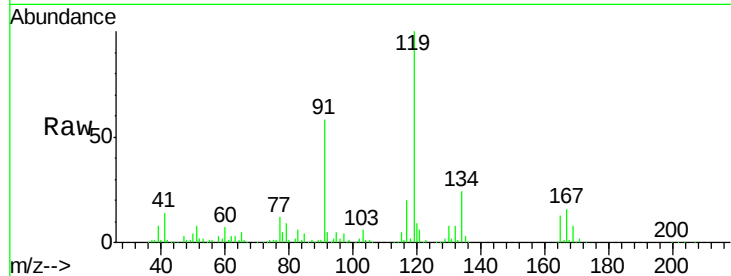
ClientSampleId :

VU0827WBSD01

Tot Ion:	119	Resp:	340029
Ion Ratio	Lower	Upper	
119	100		
91	57.4	28.6	85.8
134	23.9	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 23.071 ug/l

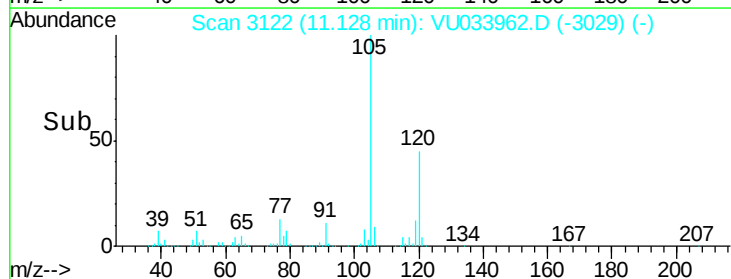
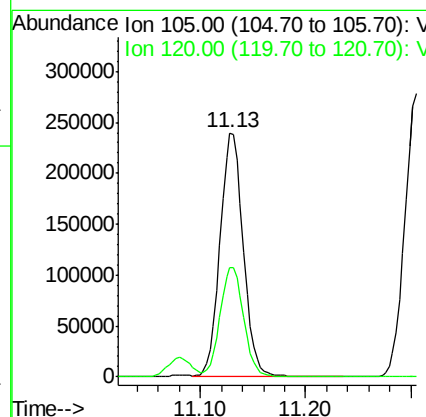
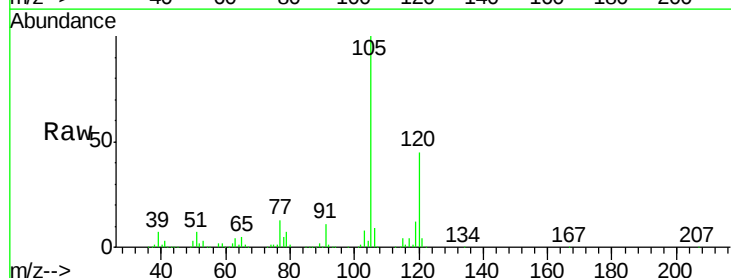
RT: 11.13 min Scan# 3122

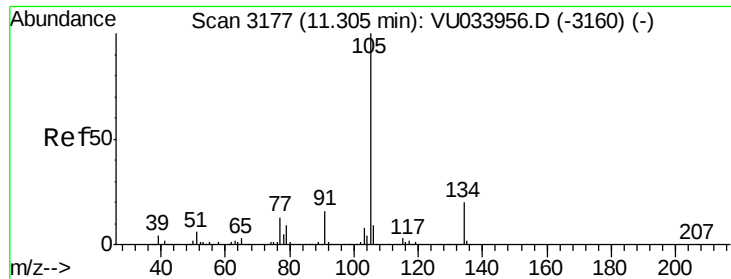
Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion:	105	Resp:	364623
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 22.045 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBSD01

Tot Ion:105 Resp: 419759

Ion Ratio Lower Upper

105 100

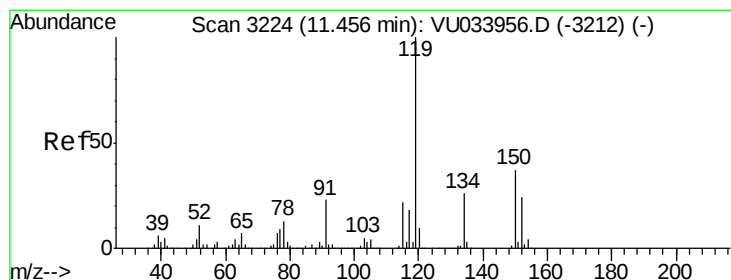
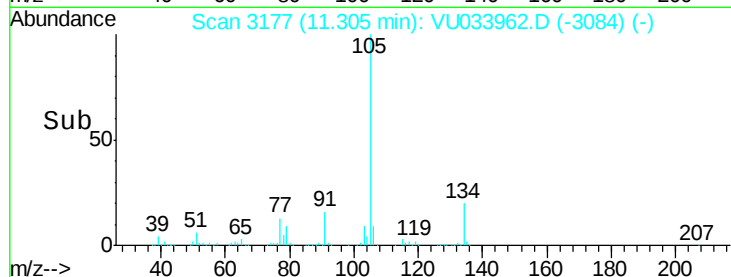
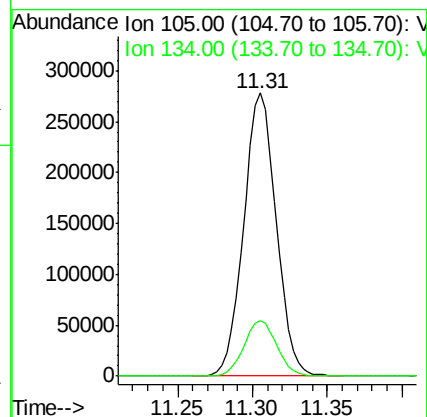
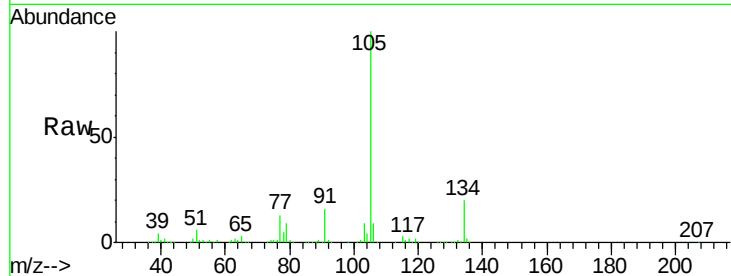
134 19.9 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 22.161 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

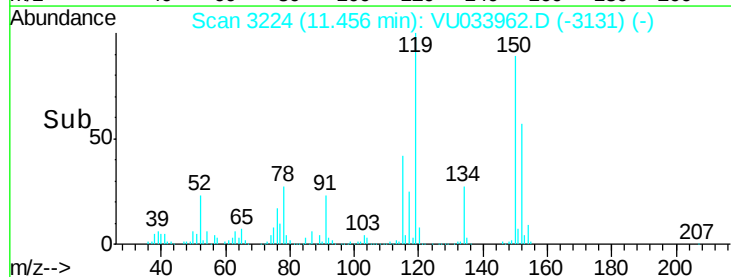
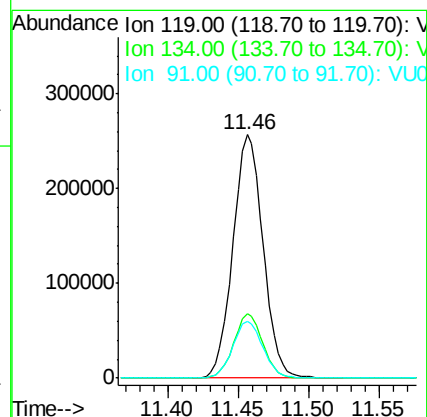
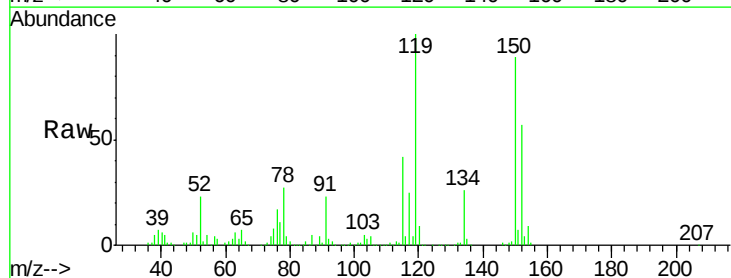
Tgt Ion:119 Resp: 382588

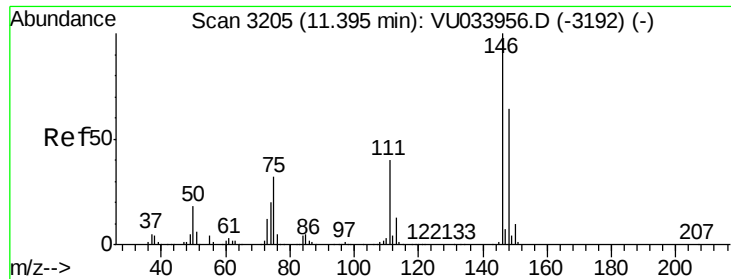
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.3 11.6 34.7





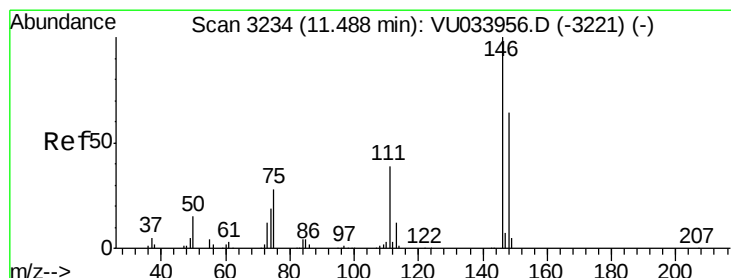
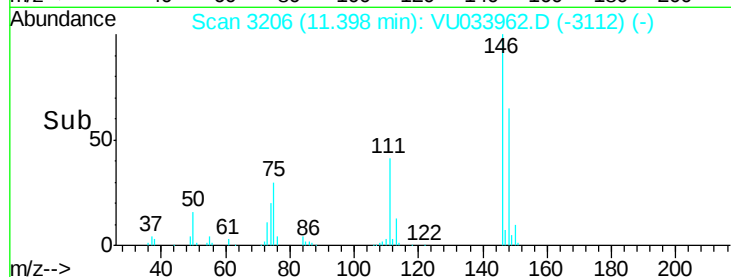
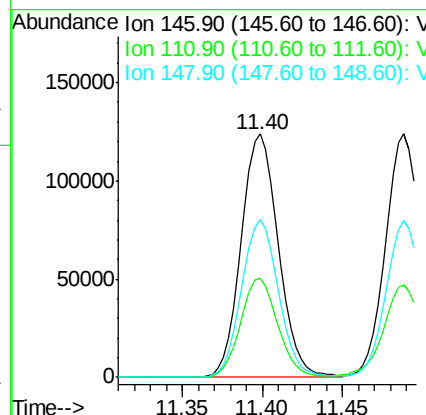
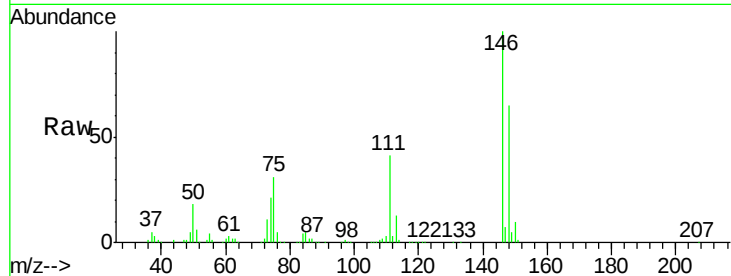
#87
 1,3-Dichlorobenzene
 Concen: 20.440 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	64.4	31.8	95.4

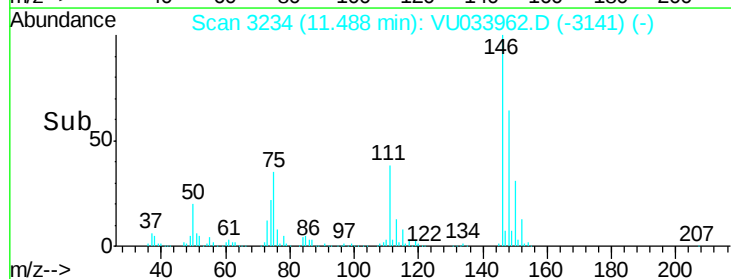
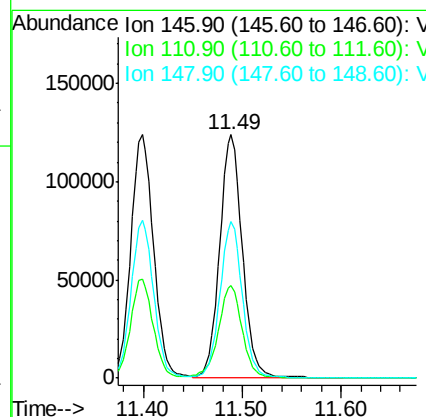
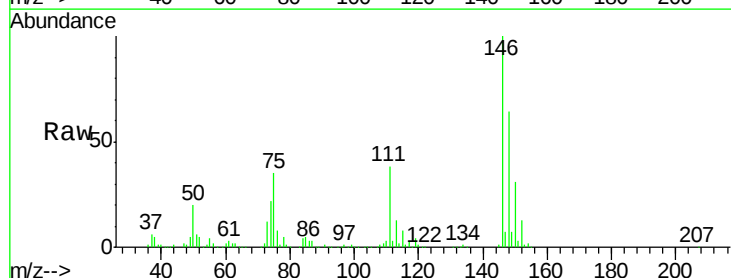
Manual Integrations
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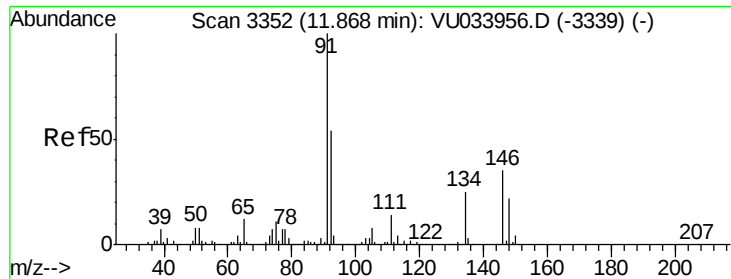
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#88
 1,4-Dichlorobenzene
 Concen: 20.104 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	63.0	32.2	96.6





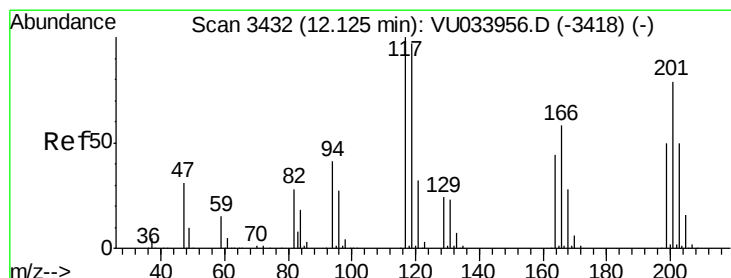
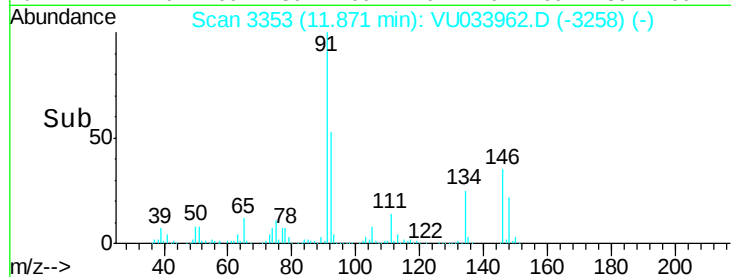
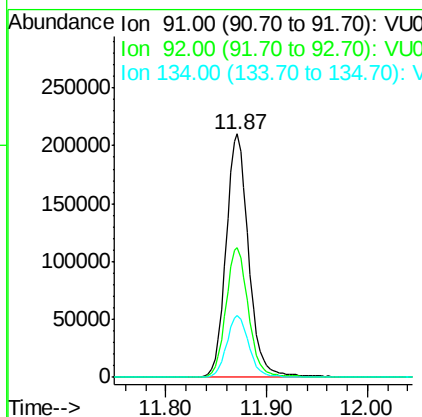
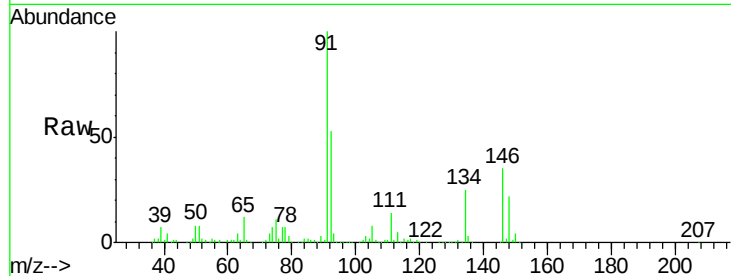
#89
n-Butylbenzene
Concen: 19.773 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	26.9	80.6	
134	24.9	12.6	37.6	

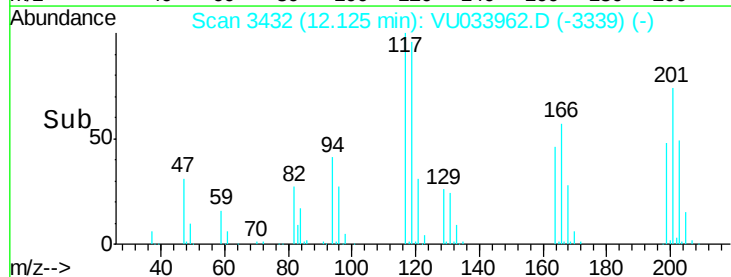
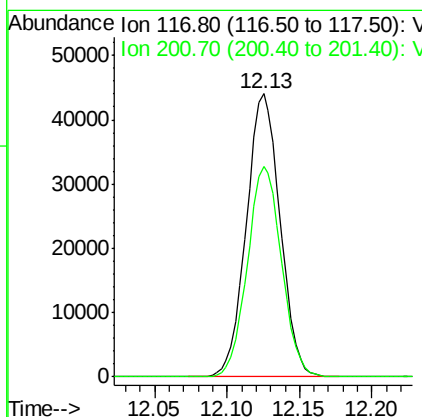
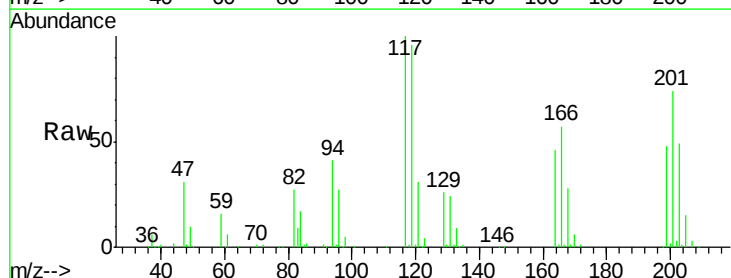
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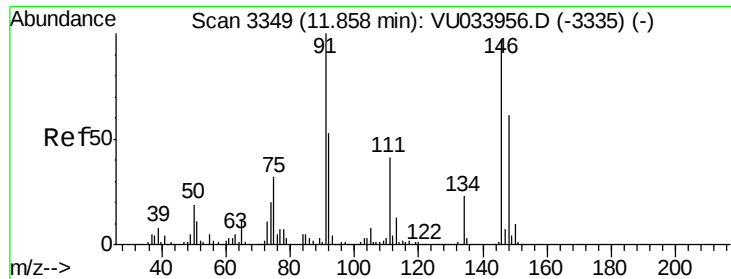
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#90
Hexachloroethane
Concen: 21.171 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033962.D
Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.9	39.6	118.7	





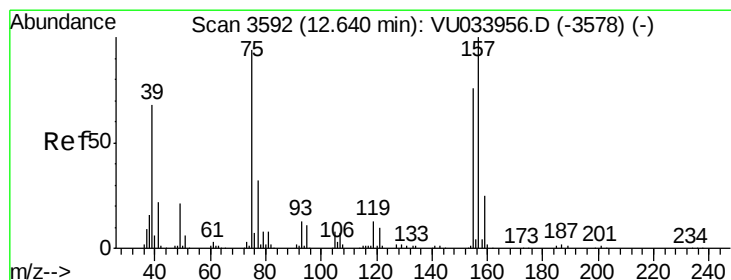
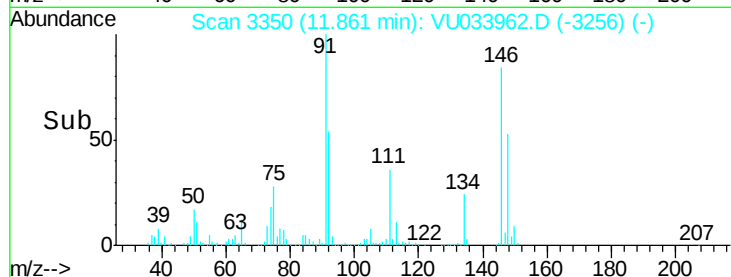
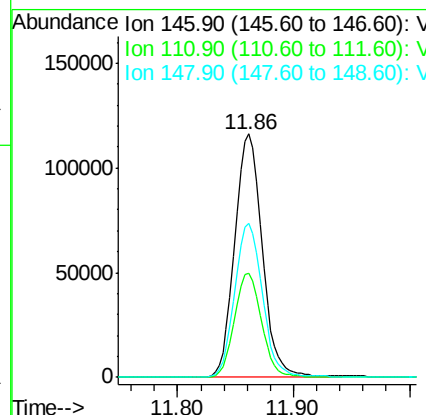
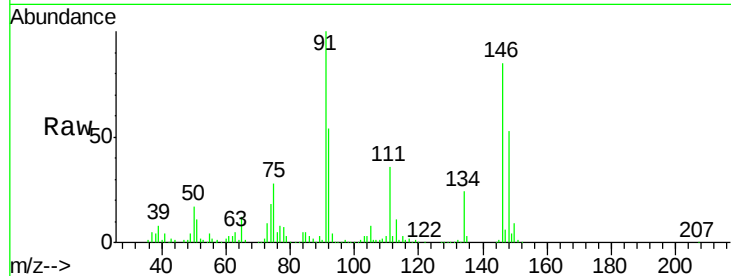
#91
 1,2-Dichlorobenzene
 Concen: 20.763 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	64.0	31.7	95.1

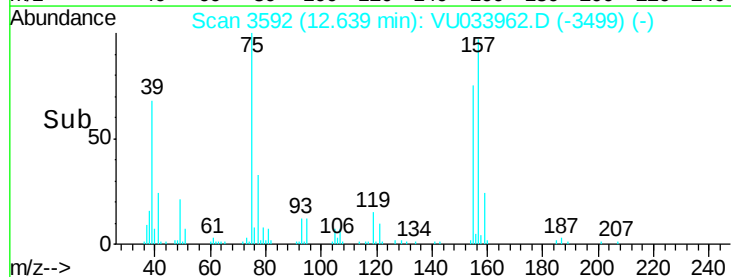
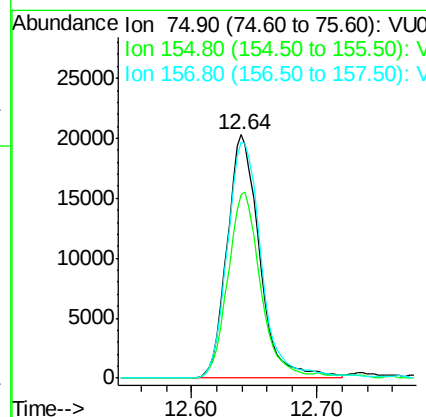
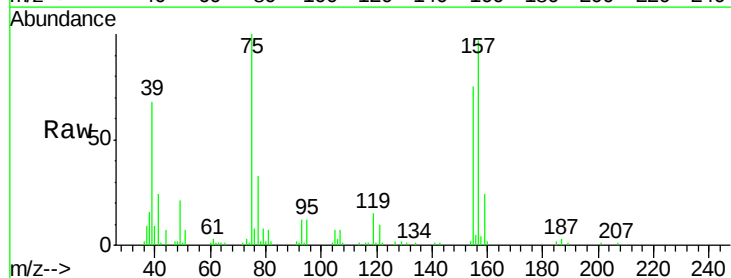
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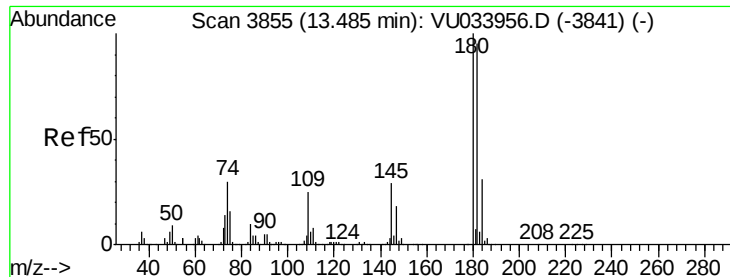
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 8/27/2019 12:17:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.869 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	40.0	119.9
157	102.3	51.9	155.7





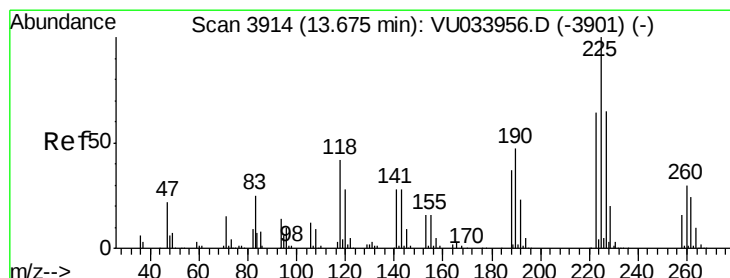
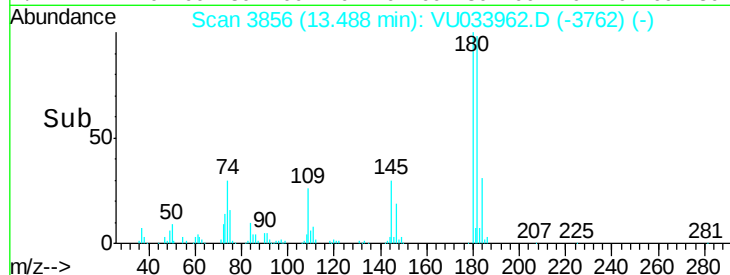
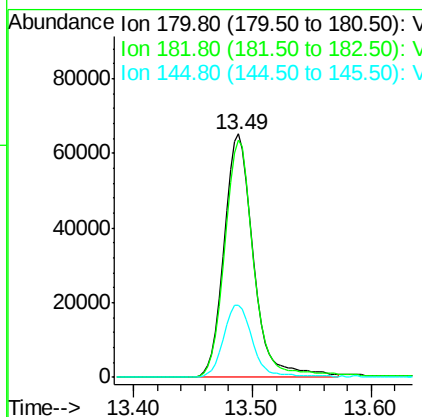
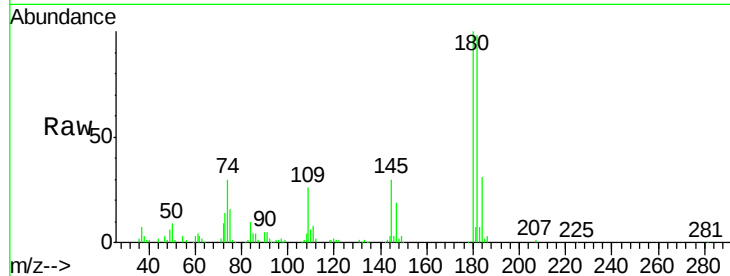
#93
 1,2,4-Trichlorobenzene
 Concen: 19.166 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	111612		
182	97.3	47.4	142.3	
145	29.6	14.2	42.8	

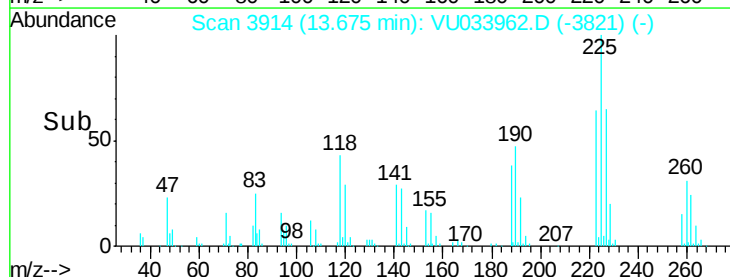
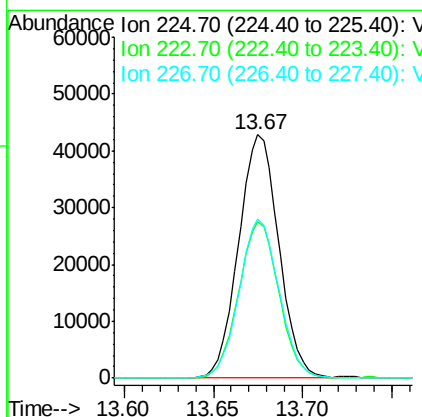
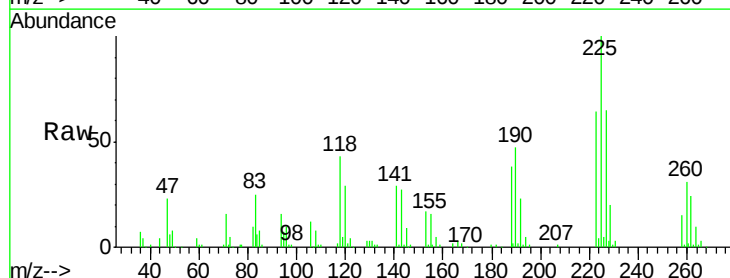
Manual Integrations
 APPROVED

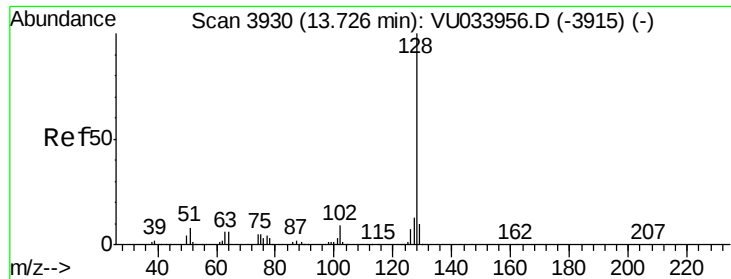
MMDadoda
 8/27/2019 12:17:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.717 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033962.D
 Acq: 26 Aug 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67704		
223	63.9	31.4	94.0	
227	64.5	32.3	96.8	





#95

Naphthalene

Concen: 18.938 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Instrument :

MSVOA_U

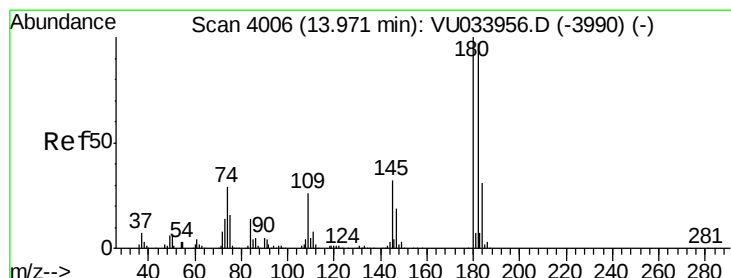
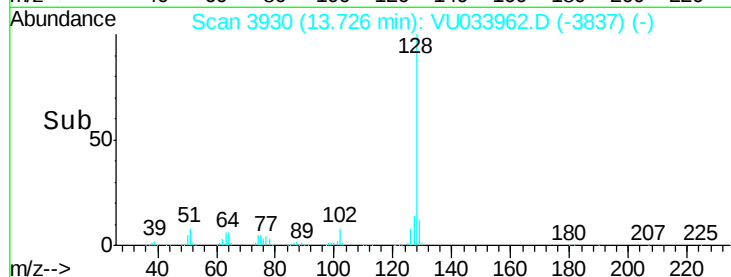
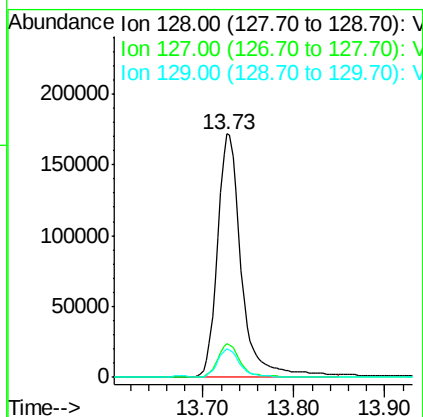
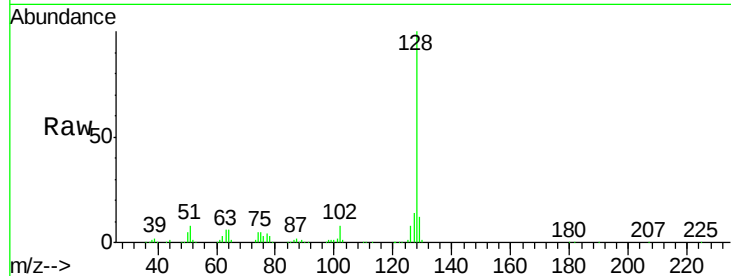
ClientSampleId :

VU0827WBSD01

Tot Ion:	128	Resp:	315461
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/27/2019 12:17:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.899 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033962.D

Acq: 26 Aug 2019 20:59

Tgt Ion:	180	Resp:	116352
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.6	145.8
145	32.4	15.7	47.0

