

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033961.D
 Acq On : 26 Aug 2019 20:35
 Operator : JC/SP
 Sample : VU0827WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Manual Integrations
 APPROVED

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 8/27/2019 12:17:20 PM

Quant Time: Aug 27 08:16:30 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	394989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	665453	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	632043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	319630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	295822	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	4.86	113	226637	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.54	98	859011	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	10.29	95	308770	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95294	20.661	ug/l	100
3) Chloromethane	1.32	50	124318	21.788	ug/l	100
4) Vinyl Chloride	1.39	62	126345	20.302	ug/l	100
5) Bromomethane	1.60	94	78943	24.207	ug/l	100
6) Chloroethane	1.68	64	77670	19.799	ug/l	97
7) Trichlorofluoromethane	1.87	101	143390	19.355	ug/l	99
8) Diethyl Ether	2.09	74	61892	19.446	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	87016	20.336	ug/l	99
10) Methyl Iodide	2.39	142	90320	18.493	ug/l	98
11) Tert butyl alcohol	2.81	59	124637	105.059	ug/l	100
12) 1,1-Dichloroethene	2.26	96	89385	20.372	ug/l	97
13) Acrolein	2.18	56	72701	103.045	ug/l	99
14) Allyl chloride	2.57	41	150446	19.101	ug/l	99
15) Acrylonitrile	2.91	53	323775	103.695	ug/l	99
16) Acetone	2.30	43	294894	87.284	ug/l	99
17) Carbon Disulfide	2.46	76	284353	19.544	ug/l	99
18) Methyl Acetate	2.60	43	153521	20.363	ug/l	99
19) Methyl tert-butyl Ether	2.97	73	293091	20.899	ug/l	99
20) Methylene Chloride	2.68	84	105752	19.517	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	96043	19.868	ug/l	98
22) Diisopropyl ether	3.54	45	324587	21.316	ug/l	95
23) Vinyl Acetate	3.50	43	1371396	108.672	ug/l	99
24) 1,1-Dichloroethane	3.42	63	185503	19.897	ug/l	100
25) 2-Butanone	4.23	43	435679	99.781	ug/l	98
26) 2,2-Dichloropropane	4.20	77	142041	18.789	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	105161	20.285	ug/l	100
28) Bromochloromethane	4.52	49	94138	20.728	ug/l	100
29) Tetrahydrofuran	4.61	42	278952	105.621	ug/l	99
30) Chloroform	4.65	83	179452	19.398	ug/l	98
31) Cyclohexane	4.97	56	168326	20.414	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	150421	19.887	ug/l	98
36) 1,1-Dichloropropene	5.11	75	133435	19.421	ug/l	99
37) Ethyl Acetate	4.35	43	154818	19.034	ug/l	99
38) Carbon Tetrachloride	5.11	117	127938	18.699	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	150262	19.756	ug/l	98
40) Benzene	5.36	78	399661	19.573	ug/l	98
41) Methacrylonitrile	4.51	41	82514	20.131	ug/l	98
42) 1,2-Dichloroethane	5.38	62	150360	19.943	ug/l	100
43) Isopropyl Acetate	5.52	43	235113	19.707	ug/l	99
44) Trichloroethene	6.16	130	97457	18.442	ug/l	98
45) 1,2-Dichloropropane	6.41	63	105823	18.720	ug/l	97
46) Dibromomethane	6.54	93	70465	19.397	ug/l	99
47) Bromodichloromethane	6.73	83	139821	19.033	ug/l	98
48) Methyl methacrylate	6.60	41	112485	19.562	ug/l	98
49) 1,4-Dioxane	6.59	88	49418	408.121	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	805324	99.431	ug/l	100
52) Toluene	7.62	92	242395	20.442	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	151683	19.825	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	169829	20.026	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	96682	18.486	ug/l	97
56) Ethyl methacrylate	8.00	69	143094	19.127	ug/l	98
57) 1,3-Dichloropropane	8.22	76	177286	19.518	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	255740	94.929	ug/l	100
59) 2-Hexanone	8.34	43	617759	100.037	ug/l	100
60) Dibromochloromethane	8.46	129	103654	19.038	ug/l	100
61) 1,2-Dibromoethane	8.57	107	106524	19.646	ug/l	100
64) Tetrachloroethene	8.21	164	87967	19.411	ug/l	99
65) Chlorobenzene	9.10	112	258594	19.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	93713	19.444	ug/l	99
67) Ethyl Benzene	9.23	91	434181	20.274	ug/l	100
68) m/p-Xylenes	9.36	106	331024	41.973	ug/l	100
69) o-Xylene	9.76	106	155539	20.632	ug/l	97
70) Styrene	9.77	104	271244	20.771	ug/l	99
71) Bromoform	9.94	173	77997	19.221	ug/l #	98
73) Isopropylbenzene	10.15	105	429623	21.748	ug/l	99
74) N-amyl acetate	10.00	43	189434	20.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	169716	20.076	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	142667m	19.293	ug/l	
77) Bromobenzene	10.43	156	111294	21.102	ug/l	97
78) n-propylbenzene	10.57	91	504967	21.380	ug/l	100
79) 2-Chlorotoluene	10.64	91	304003	21.493	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	365525	21.650	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	50270m	18.127	ug/l	
82) 4-Chlorotoluene	10.75	91	350703	21.094	ug/l	99
83) tert-Butylbenzene	11.08	119	340292	21.543	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	366460	22.281	ug/l	100
85) sec-Butylbenzene	11.31	105	426693	21.533	ug/l	100
86) p-Isopropyltoluene	11.46	119	387223	21.554	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	196762	19.685	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	200524	19.441	ug/l	99
89) n-Butylbenzene	11.87	91	335704	19.375	ug/l	100
90) Hexachloroethane	12.12	117	71777	20.401	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	194356	20.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	35009	20.173	ug/l	99

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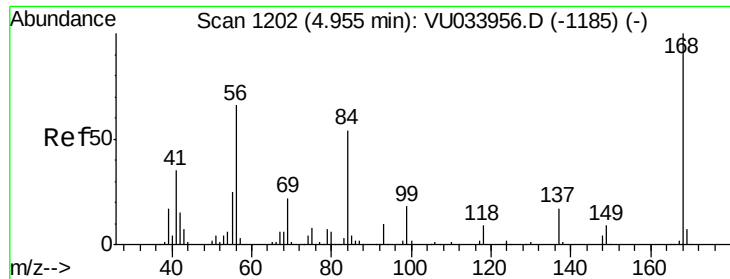
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	114735	18.975	ug/l	99
94) Hexachlorobutadiene	13.67	225	69479	19.443	ug/l	99
95) Naphthalene	13.73	128	312902	18.262	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	117806	19.442	ug/l	97

(#) = 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: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion:168 Resp: 394989

Ion Ratio Lower Upper

168 100

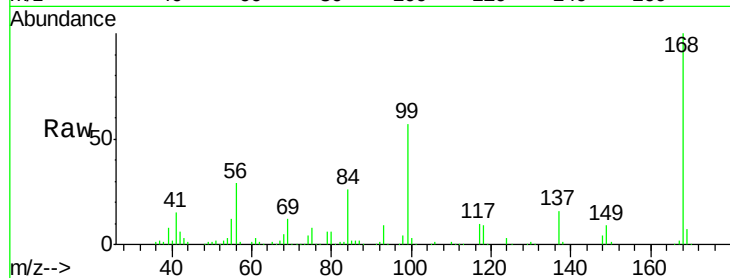
99 57.0 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): VU033961.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033961.D (-1185) (-)

4.95

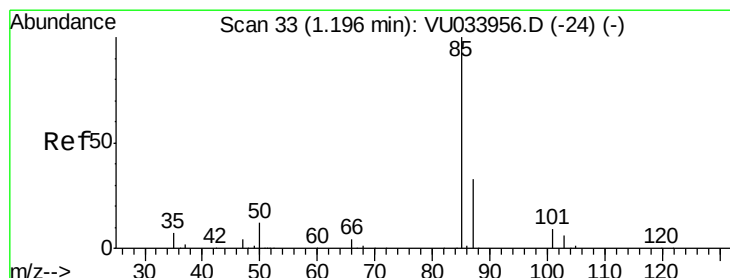
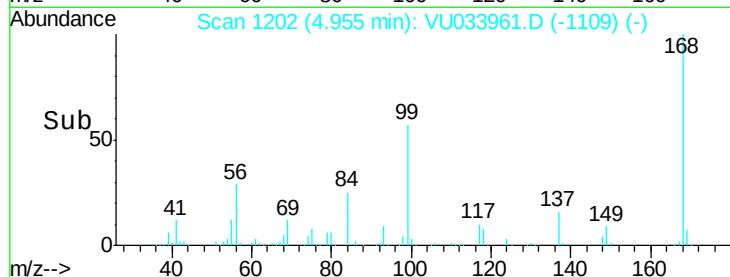
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.661 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033961.D

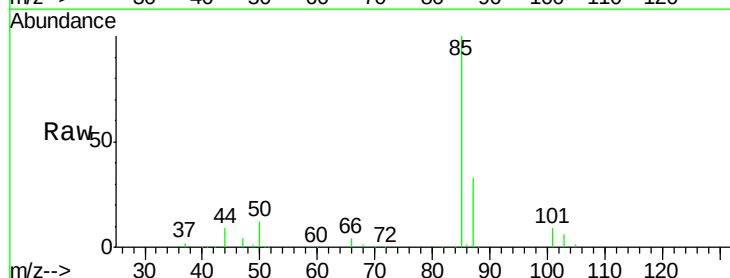
Acq: 26 Aug 2019 20:35

Tgt Ion: 85 Resp: 95294

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033961.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033961.D (-1) (-)

1.20

100000

80000

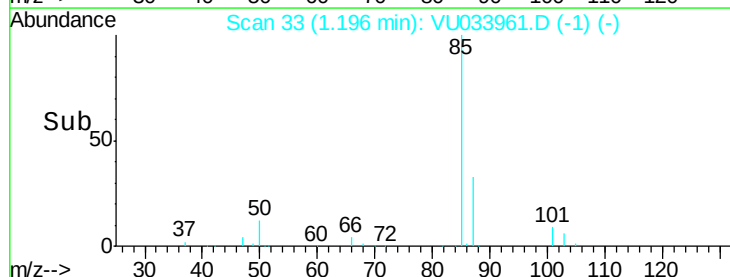
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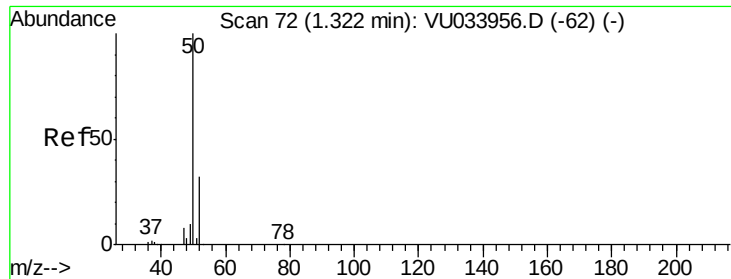
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.788 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 50 Resp: 124318

Ion Ratio Lower Upper

50 100

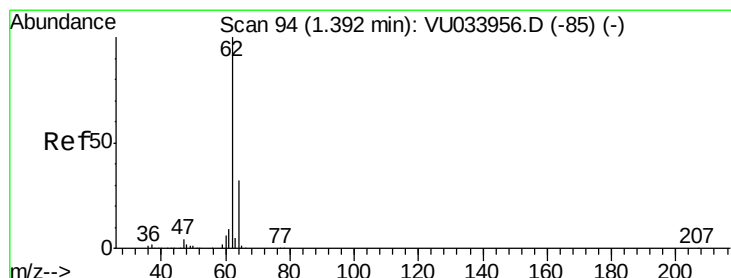
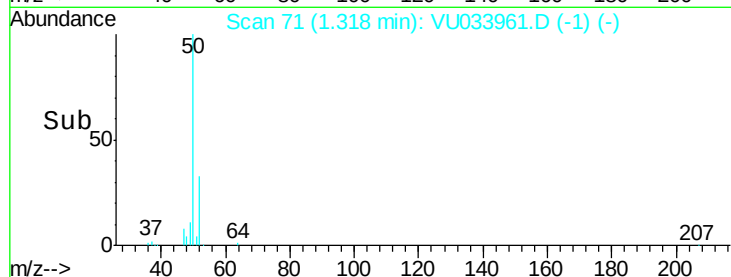
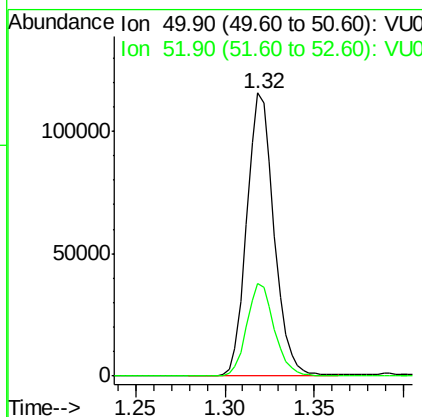
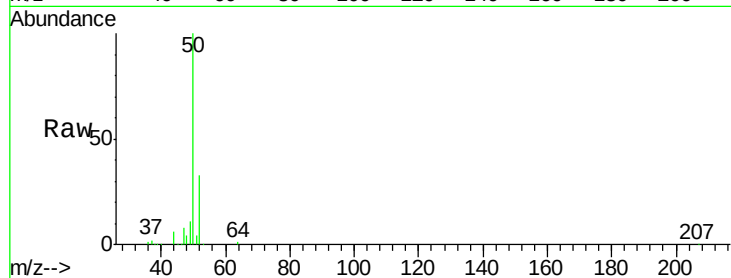
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.302 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033961.D

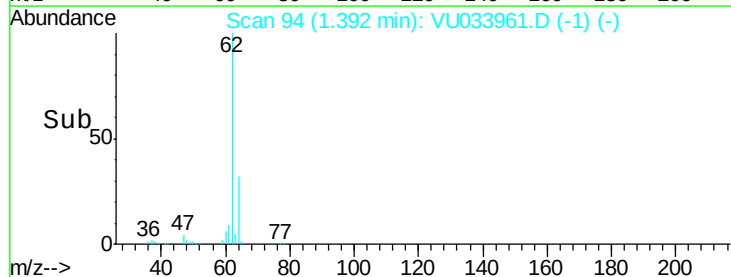
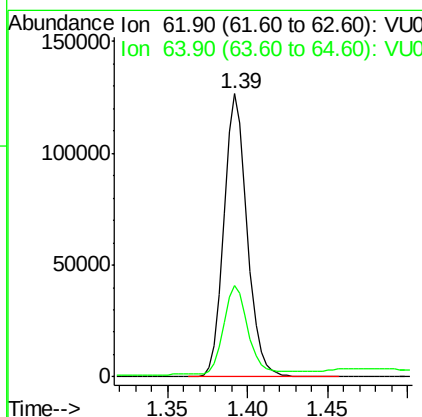
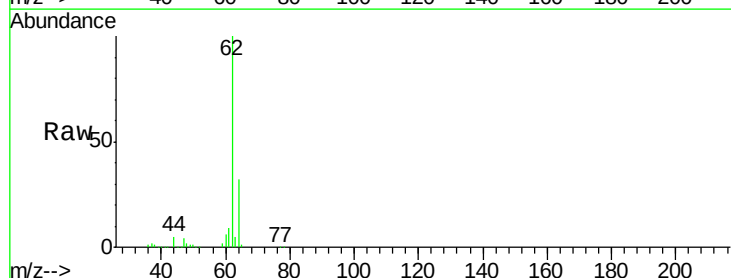
Acq: 26 Aug 2019 20:35

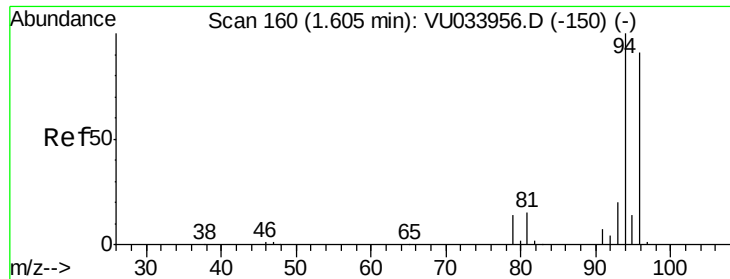
Tgt Ion: 62 Resp: 126345

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 24.207 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 94 Resp: 78943

Ion Ratio Lower Upper

94 100

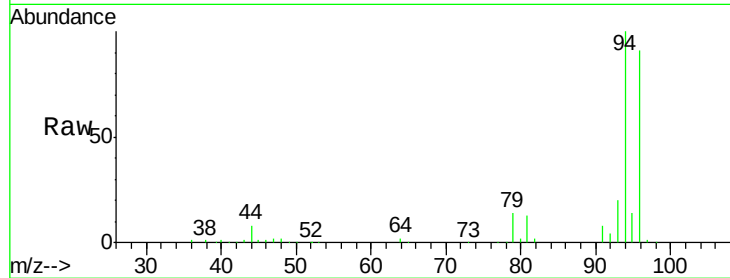
96 91.4 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU033961.D (-150) (-)

Ion 95.90 (95.60 to 96.60): VU033961.D (-150) (-)

1.60

60000

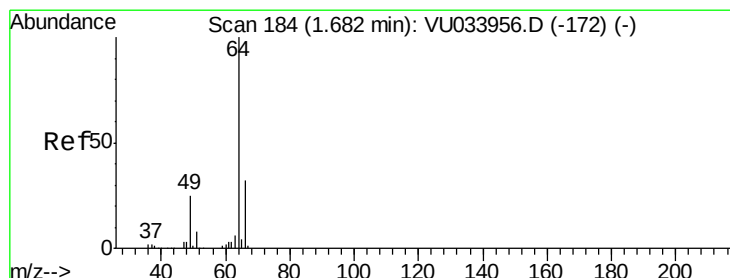
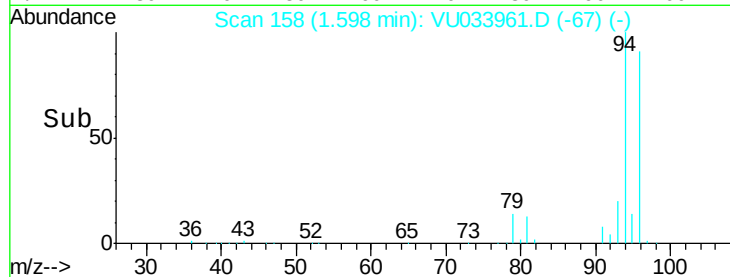
40000

20000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 19.799 ug/l

RT: 1.68 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU033961.D

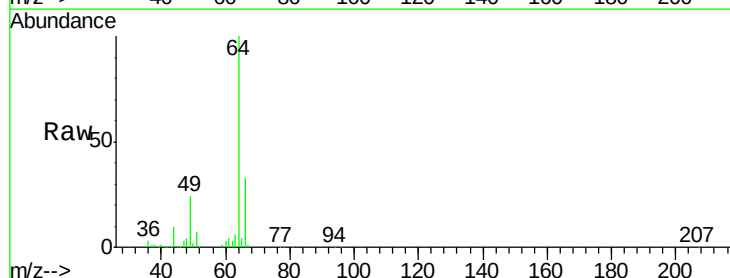
Acq: 26 Aug 2019 20:35

Tgt Ion: 64 Resp: 77670

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033961.D (-172) (-)

Ion 65.90 (65.60 to 66.60): VU033961.D (-172) (-)

1.68

60000

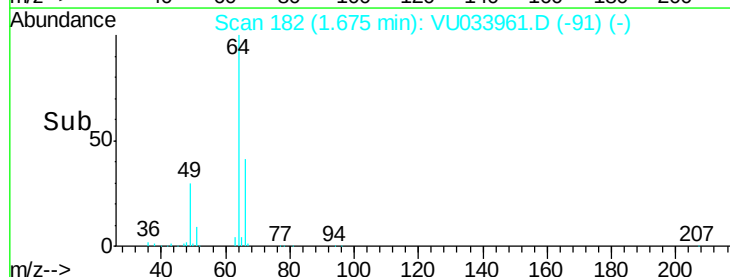
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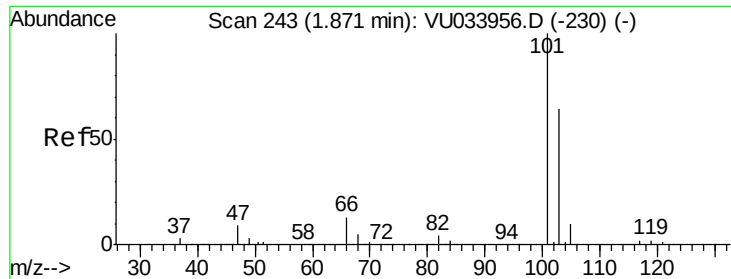
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Time-->

1.60 1.65 1.70 1.75





#7

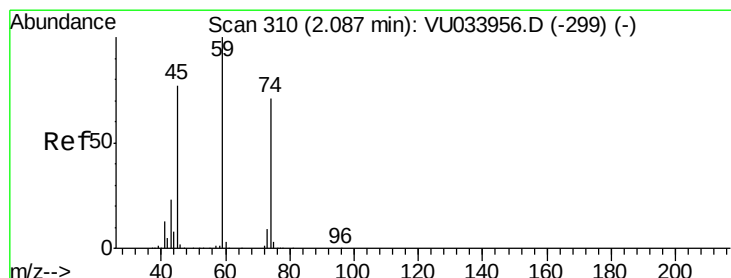
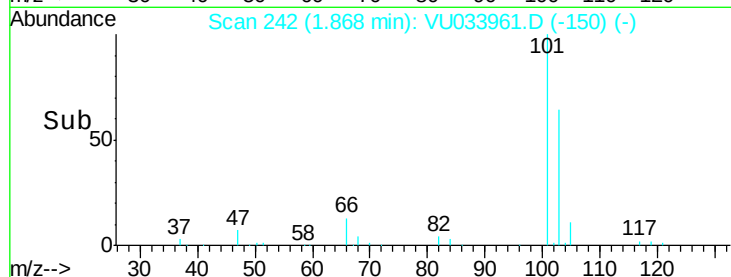
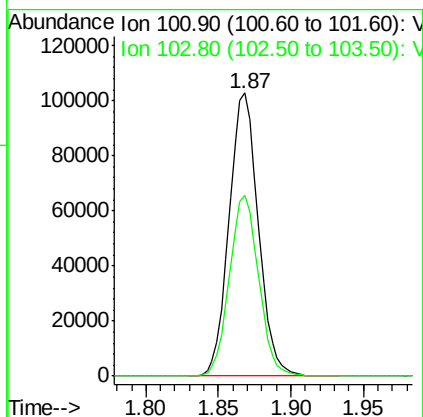
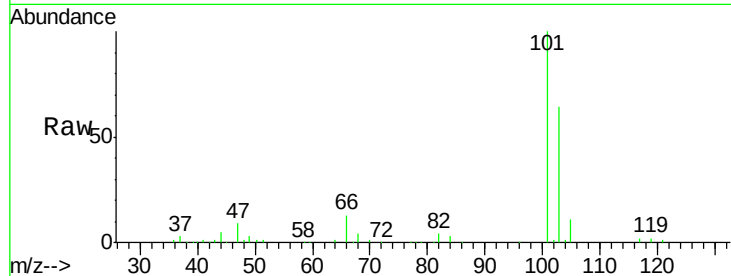
Trichlorofluoromethane
Concen: 19.355 ug/l
RT: 1.87 min Scan# 242
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
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ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.5	77.3

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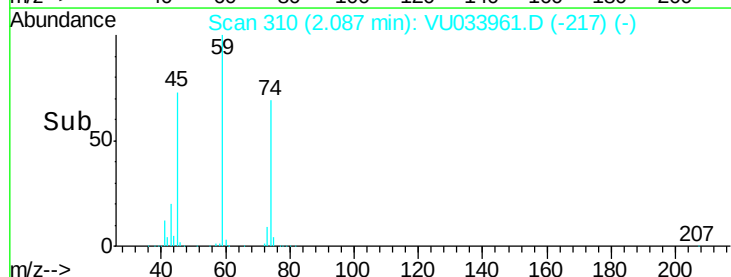
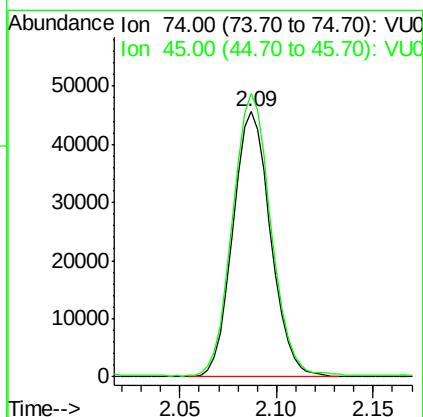
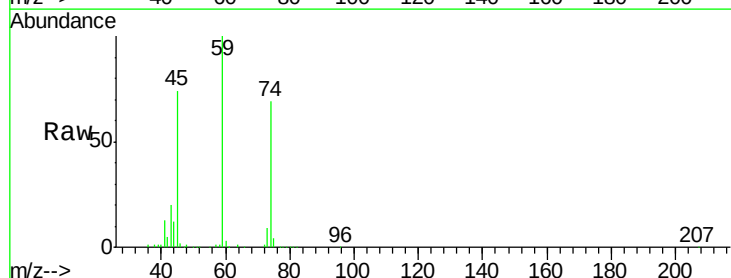
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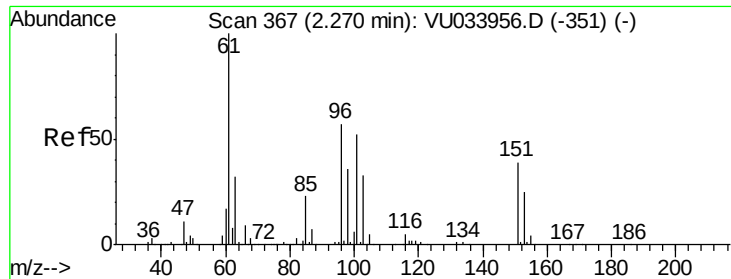


#8

Diethyl Ether
Concen: 19.446 ug/l
RT: 2.09 min Scan# 310
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.3	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.336 ug/l

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

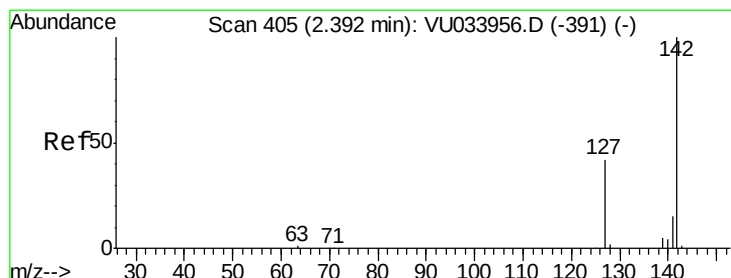
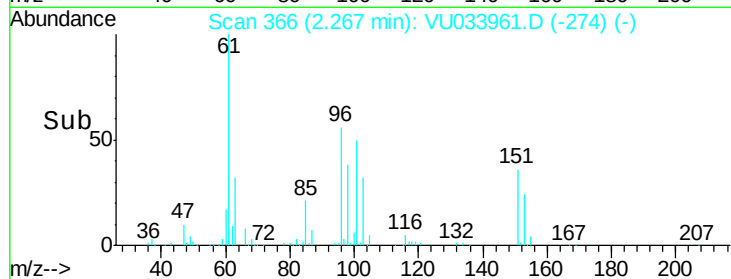
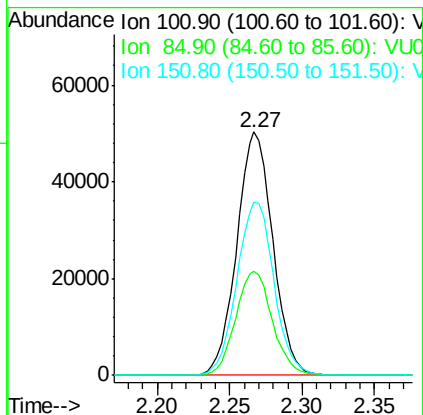
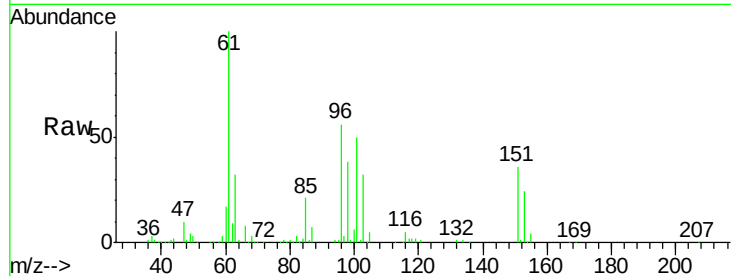
ClientSampleId :

VU0827WBS01

Tot Ion:	101	Resp:	87016
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.0	52.6
151	73.4	57.9	86.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.493 ug/l

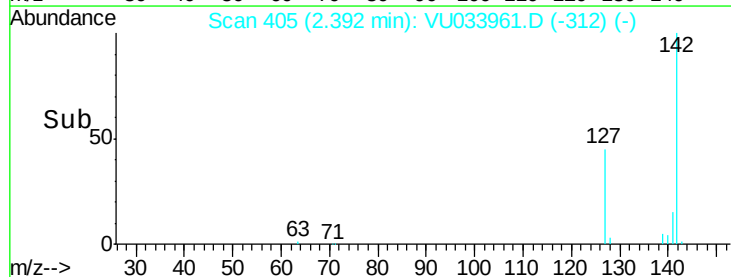
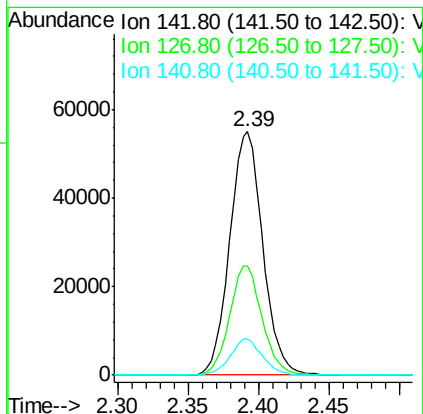
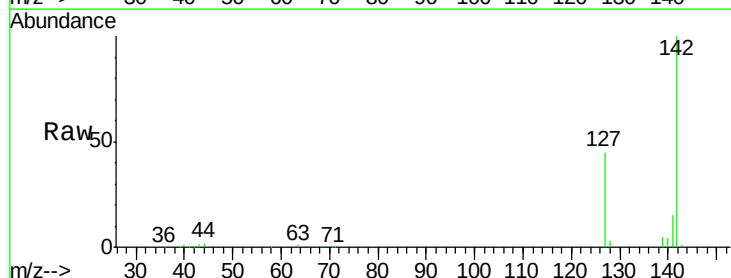
RT: 2.39 min Scan# 405

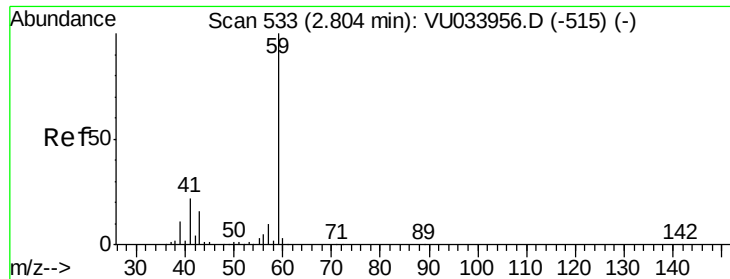
Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	142	Resp:	90320
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.3	51.5
141	14.3	11.8	17.6





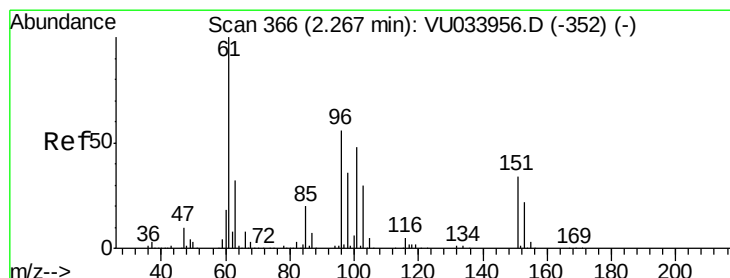
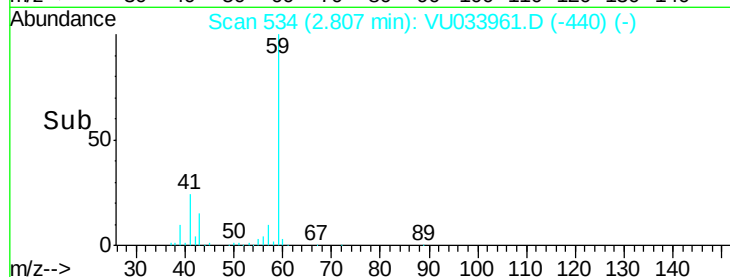
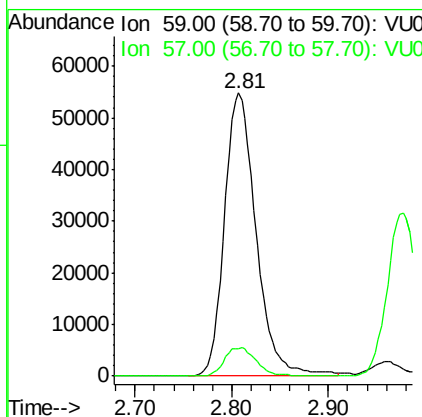
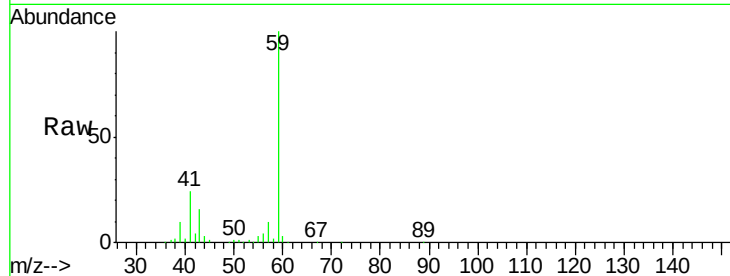
#11
Tert butyl alcohol
Concen: 105.059 ug/l
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	59	Resp	124637
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

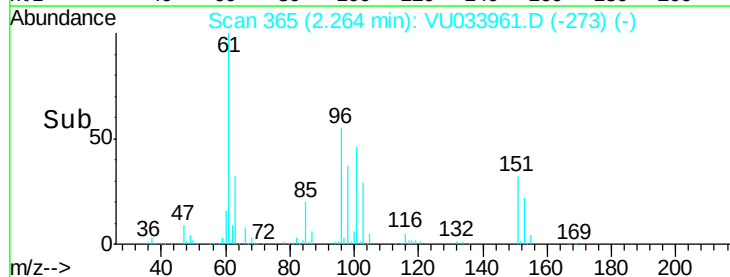
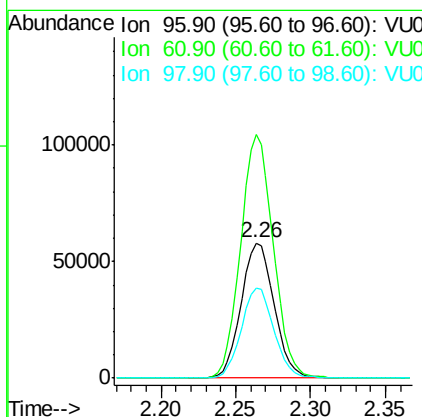
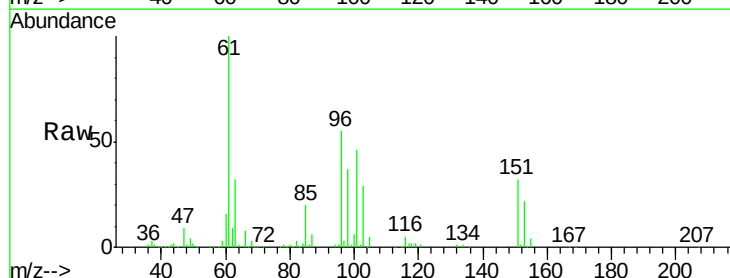
Manual Integrations
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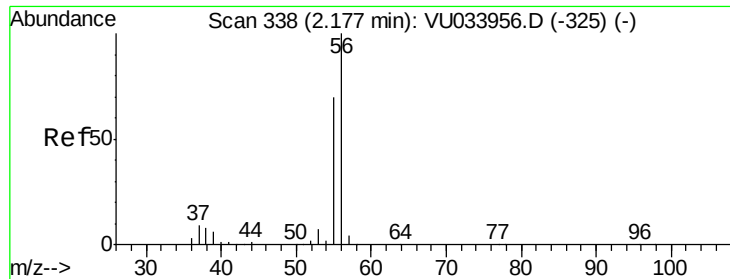
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#12
1,1-Dichloroethene
Concen: 20.372 ug/l
RT: 2.26 min Scan# 365
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	96	Resp	89385
Ion Ratio	100	Lower	Upper
61	180.6	142.3	213.5
98	67.0	51.0	76.6





#13

Acrolein

Concen: 103.045 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 56 Resp: 72701

Ion Ratio Lower Upper

56 100

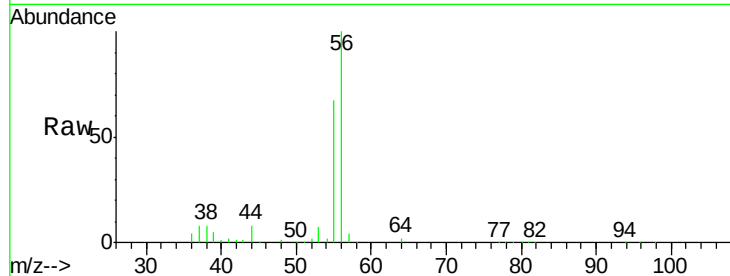
55 69.5 56.3 84.5

Manual Integrations

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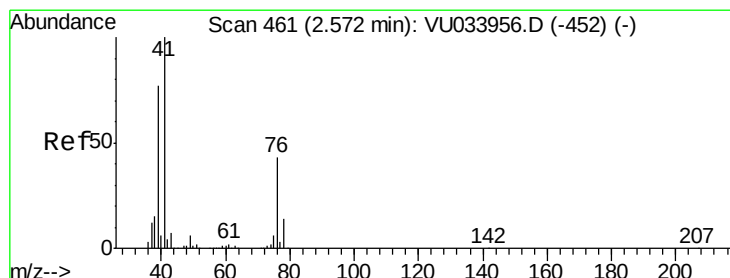
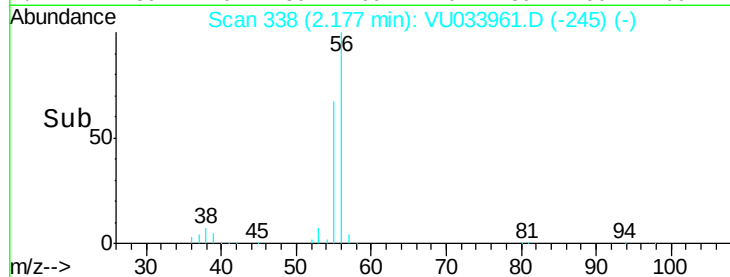
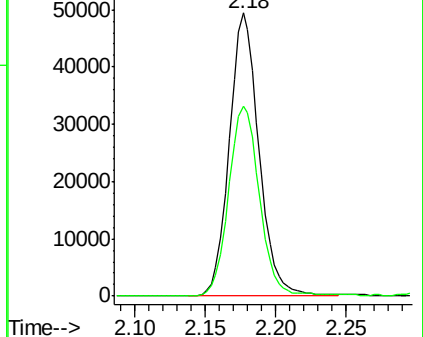
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Abundance Ion 56.00 (55.70 to 56.70): VU033961.D (-245) (-)

Ion 55.00 (54.70 to 55.70): VU033961.D (-245) (-)



#14

Allyl chloride

Concen: 19.101 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

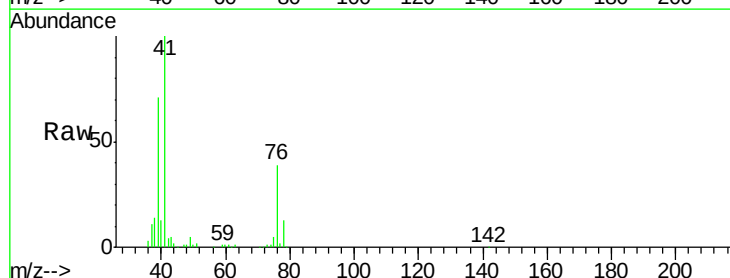
Tgt Ion: 41 Resp: 150446

Ion Ratio Lower Upper

41 100

39 70.8 56.4 84.6

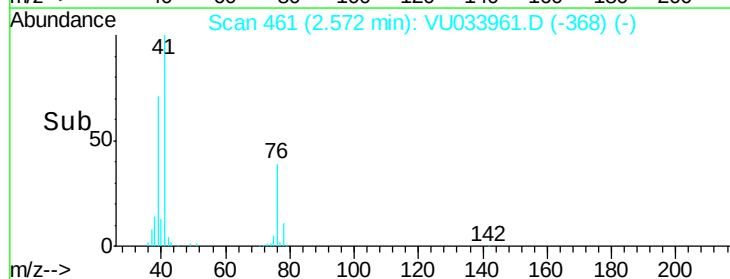
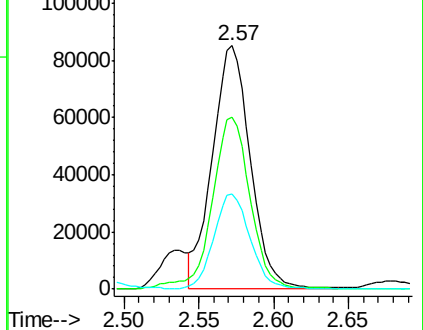
76 37.2 29.2 43.8

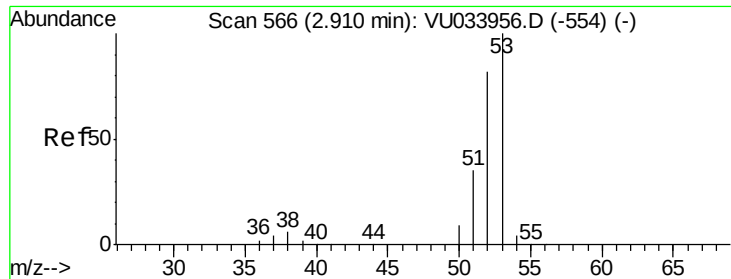


Abundance Ion 41.00 (40.70 to 41.70): VU033961.D (-368) (-)

Ion 39.00 (38.70 to 39.70): VU033961.D (-368) (-)

Ion 75.90 (75.60 to 76.60): VU033961.D (-368) (-)





#15

Acrylonitrile

Concen: 103.695 ug/l

RT: 2.91 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

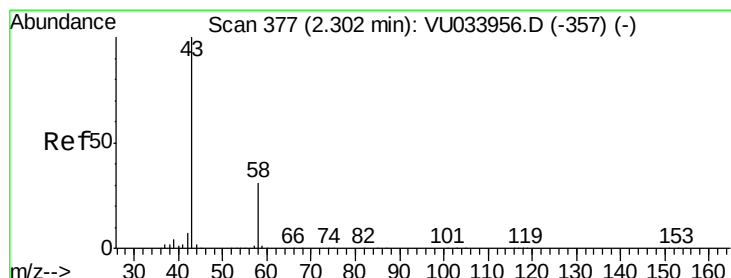
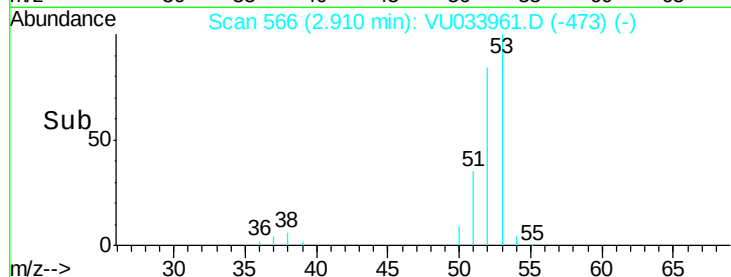
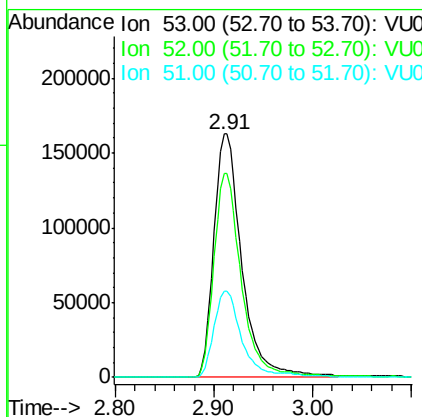
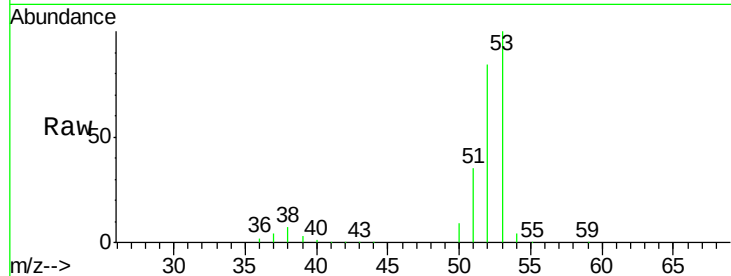
ClientSampleId :

VU0827WBS01

Tot Ion:	53	Resp:	323775
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	36.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 87.284 ug/l

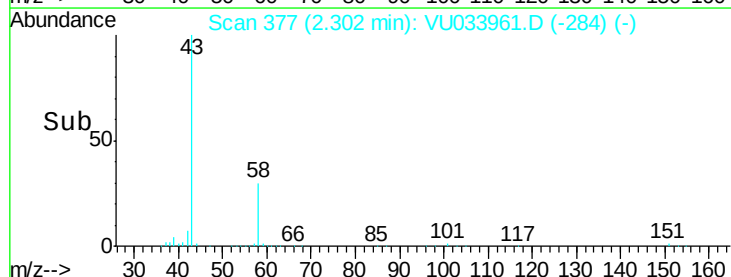
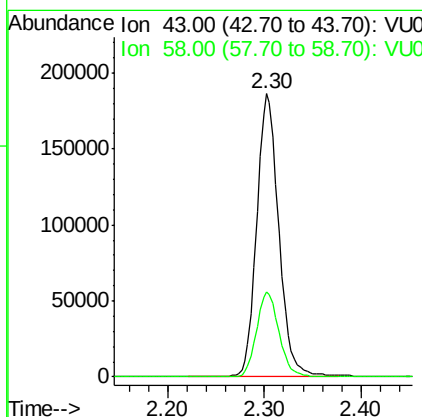
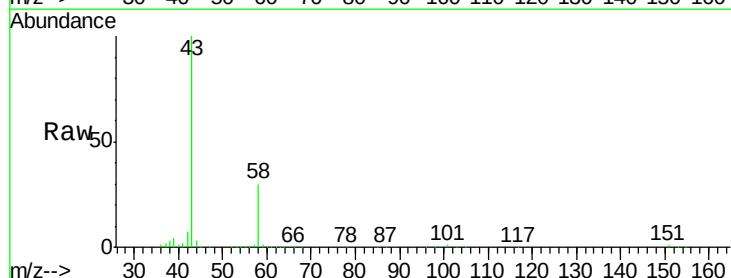
RT: 2.30 min Scan# 377

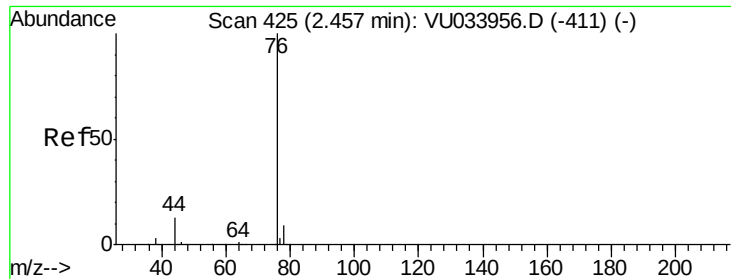
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	43	Resp:	294894
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.5	36.7





#17

Carbon Disulfide

Concen: 19.544 ug/l

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 76 Resp: 284353

Ion Ratio Lower Upper

76 100

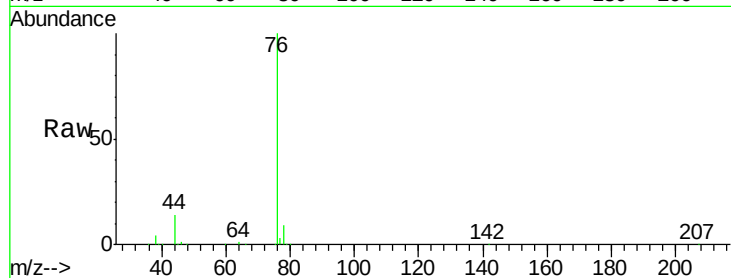
78 9.2 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

200000

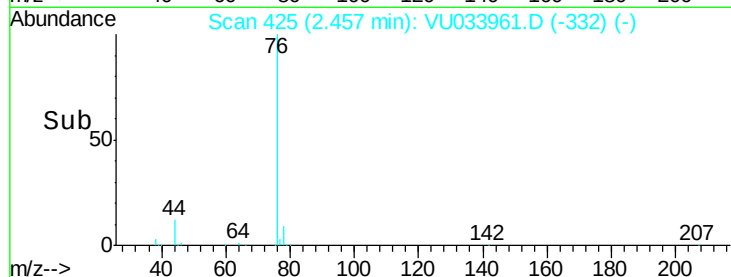
150000

100000

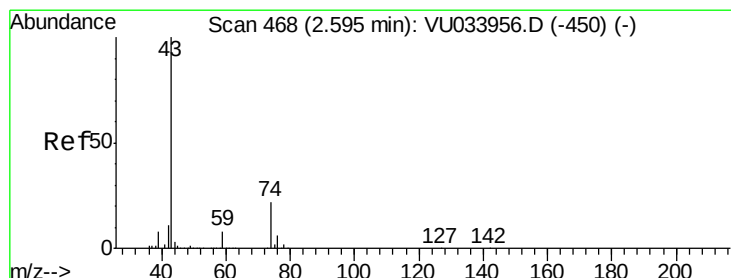
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 20.363 ug/l

RT: 2.60 min Scan# 469

Delta R.T. 0.00 min

Lab File: VU033961.D

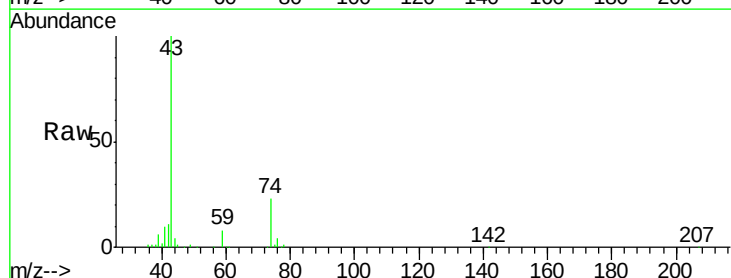
Acq: 26 Aug 2019 20:35

Tgt Ion: 43 Resp: 153521

Ion Ratio Lower Upper

43 100

74 23.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

100000

80000

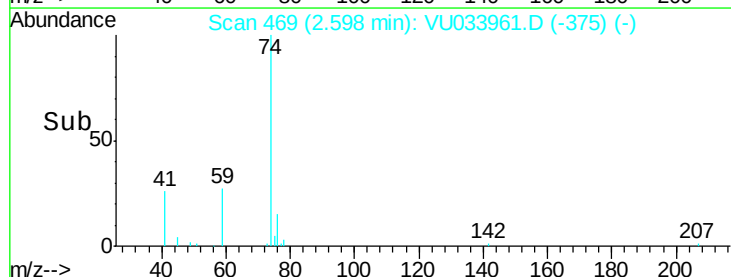
60000

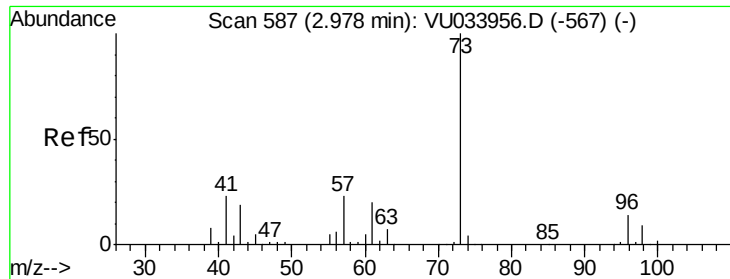
40000

20000

0

Time-->





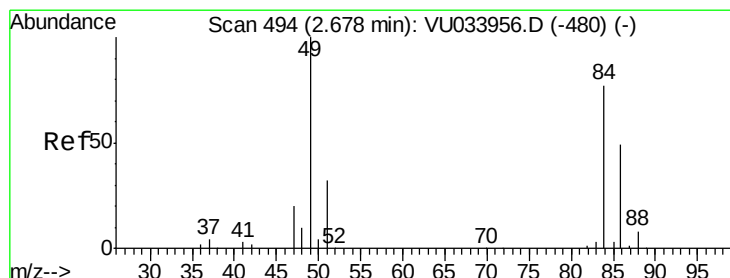
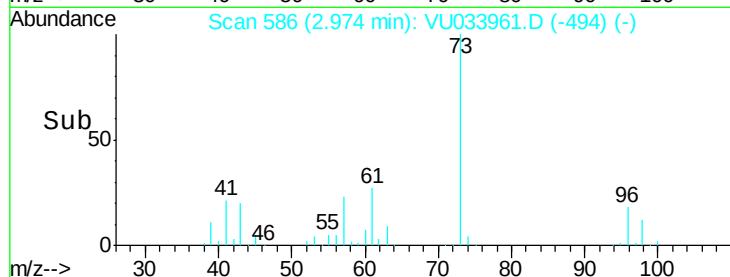
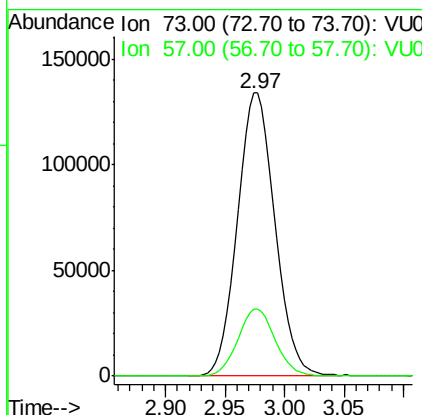
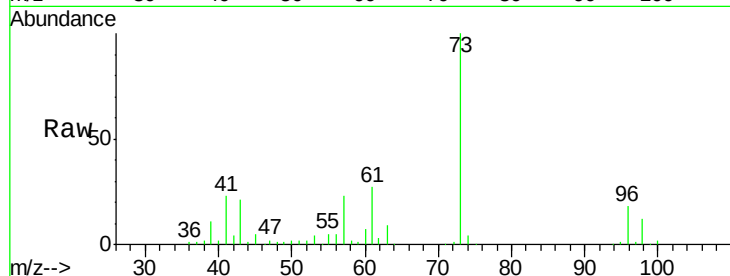
#19
Methyl tert-butyl Ether
Concen: 20.899 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.3	27.5

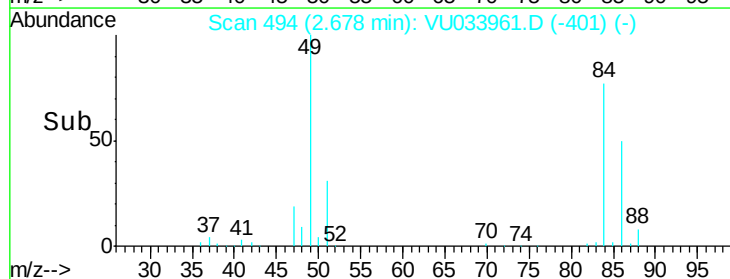
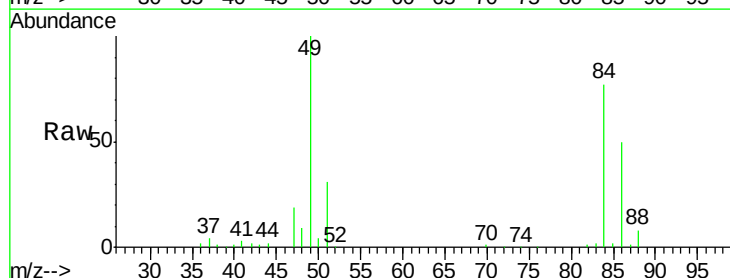
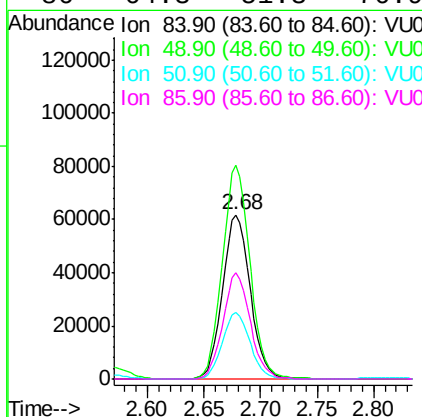
Manual Integrations
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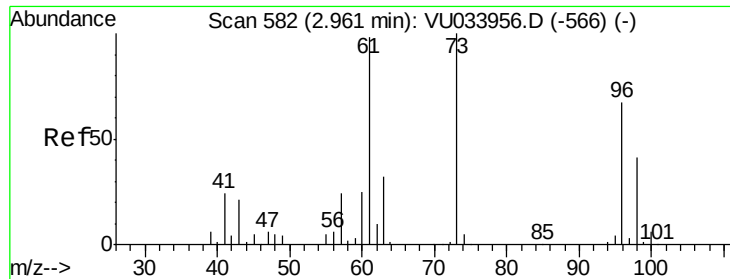
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#20
Methylene Chloride
Concen: 19.517 ug/l
RT: 2.68 min Scan# 494
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.8	104.1	156.1
51	40.2	33.0	49.6
86	64.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.868 ug/l

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 96 Resp: 96043

Ion Ratio Lower Upper

96 100

61 148.9 117.8 176.8

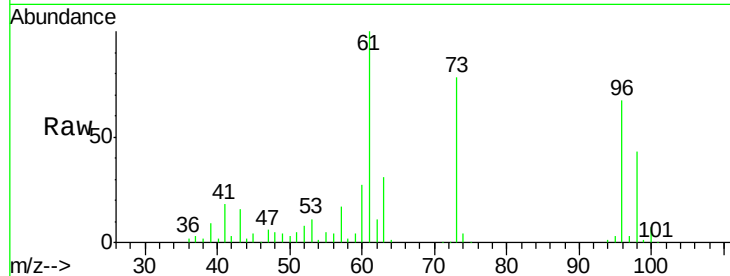
98 64.2 49.8 74.8

Manual Integrations

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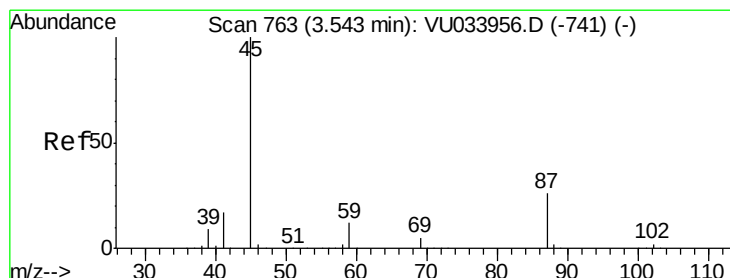
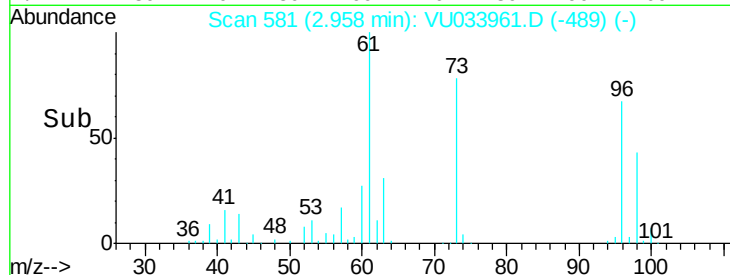
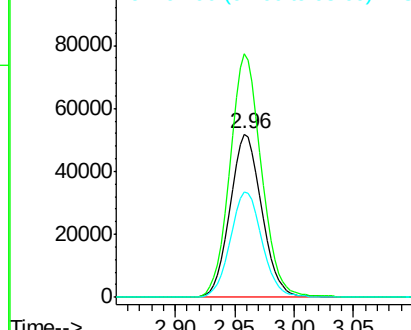


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.316 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion: 45 Resp: 324587

Ion Ratio Lower Upper

45 100

43 68.5 50.6 76.0

87 25.6 21.2 31.8

59 12.2 9.6 14.4

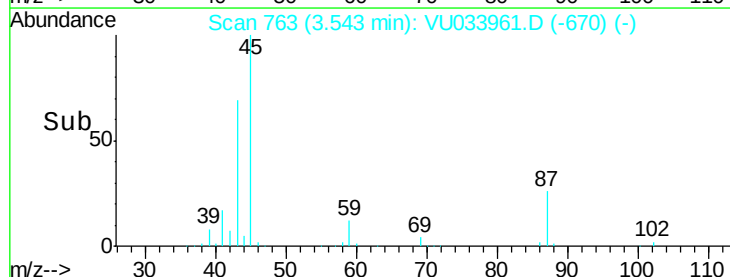
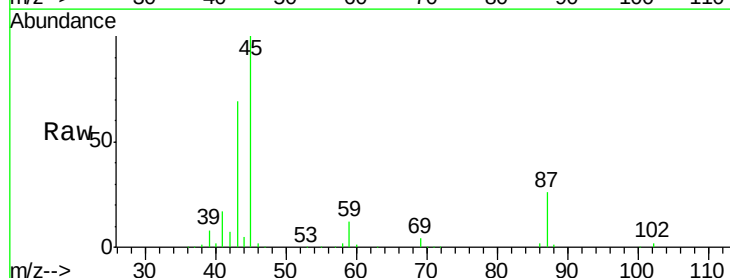
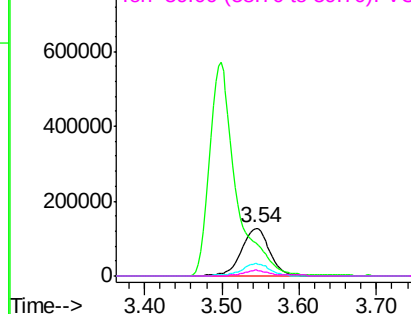
Abundance

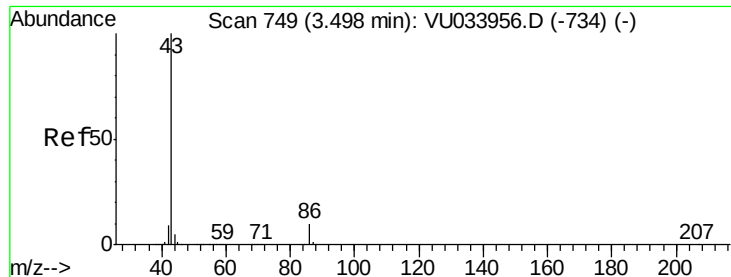
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





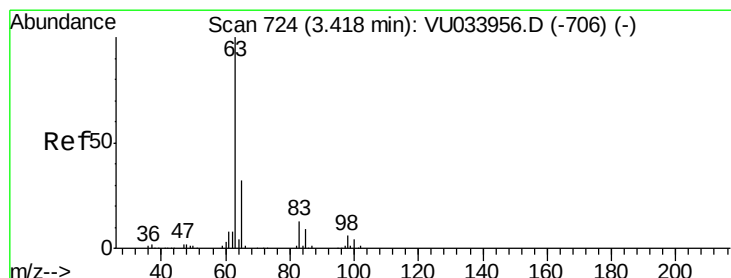
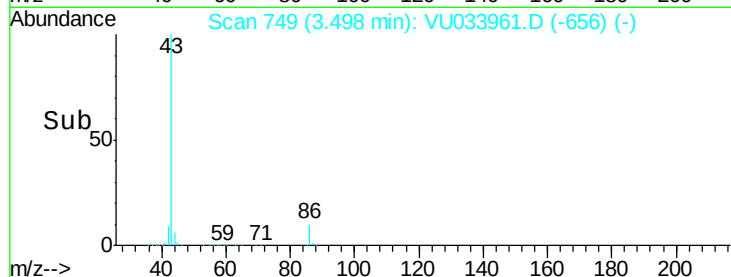
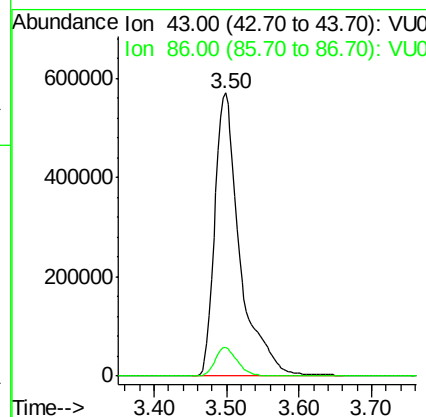
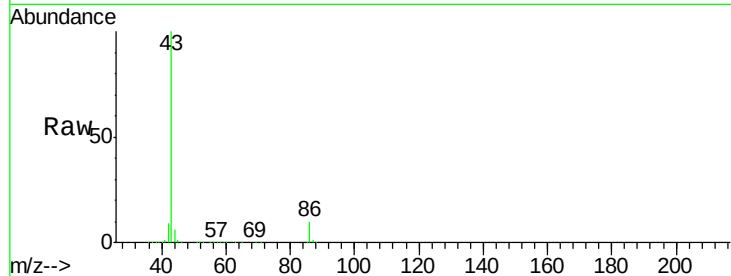
#23
 Vinyl Acetate
 Concen: 108.672 ug/l
 RT: 3.50 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion: 43 Resp: 1371396
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.2 12.4

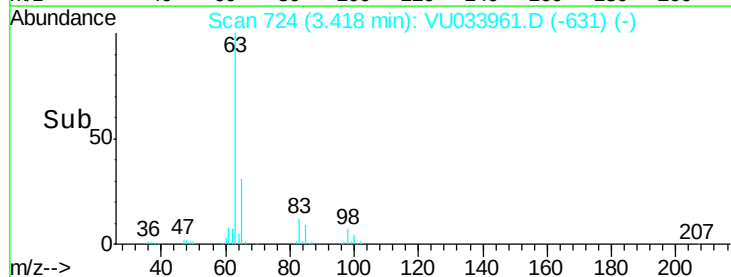
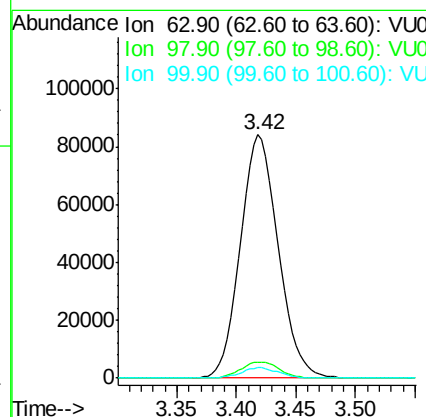
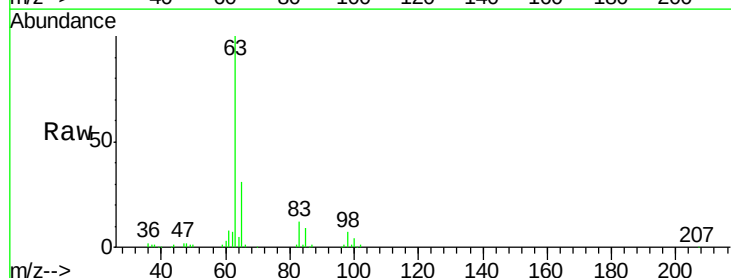
Manual Integrations
 APPROVED

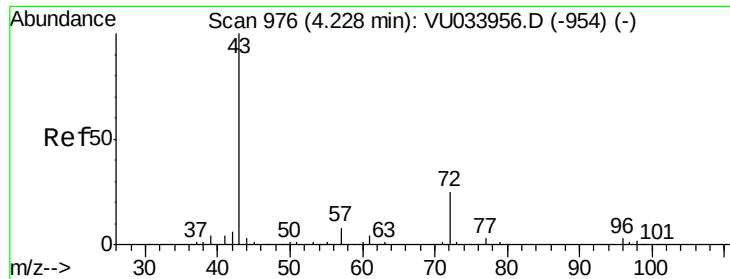
MMDadoda
 8/27/2019 12:17:20 PM



#24
 1,1-Dichloroethane
 Concen: 19.897 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion: 63 Resp: 185503
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 99.781 ug/l

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 43 Resp: 435679

Ion Ratio Lower Upper

43 100

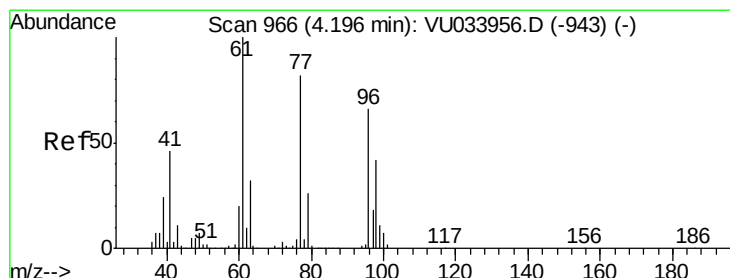
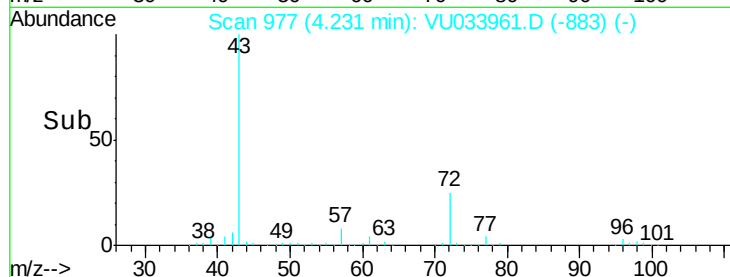
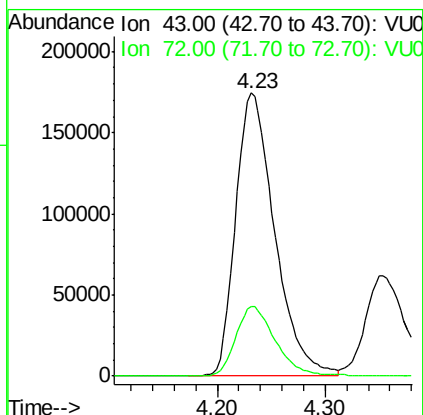
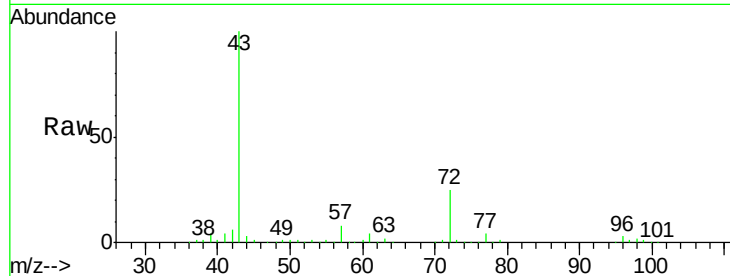
72 24.6 20.3 30.5

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.789 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033961.D

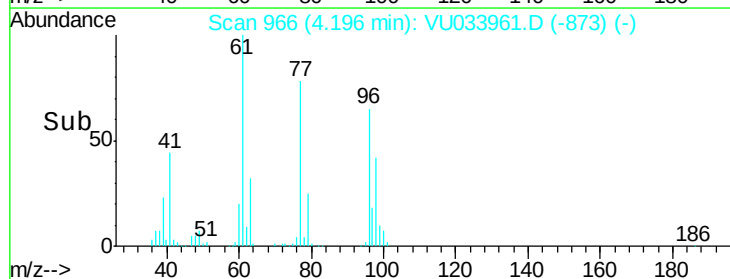
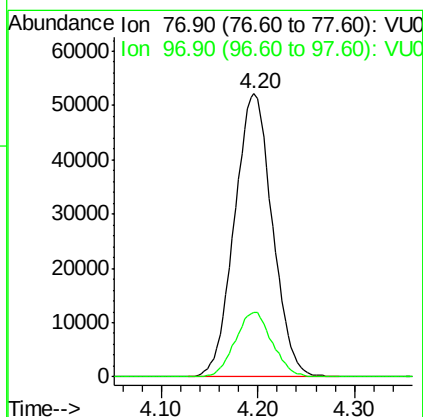
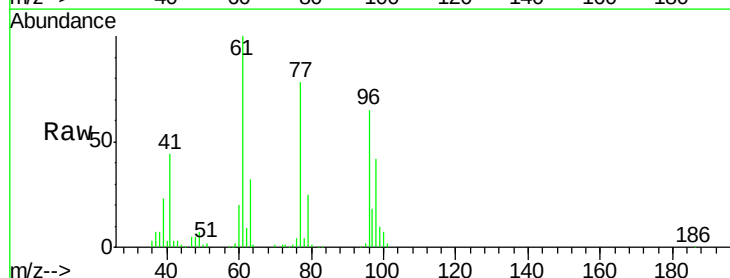
Acq: 26 Aug 2019 20:35

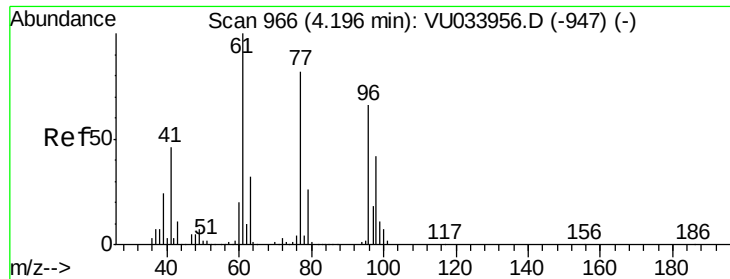
Tgt Ion: 77 Resp: 142041

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

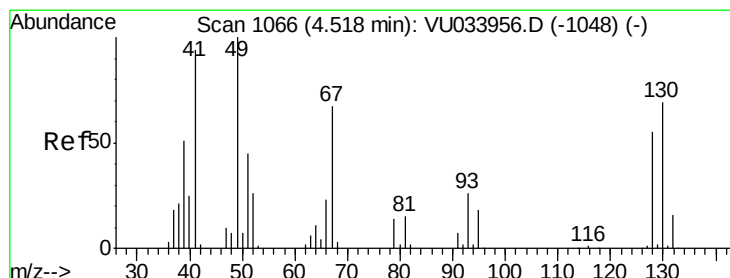
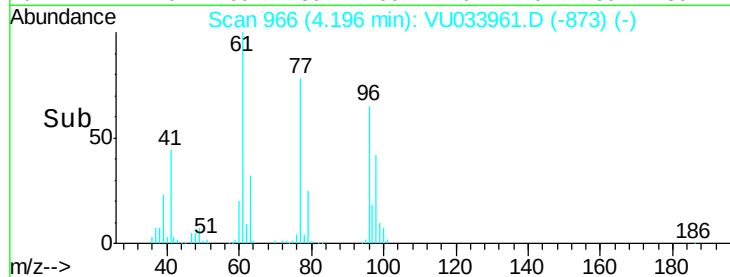
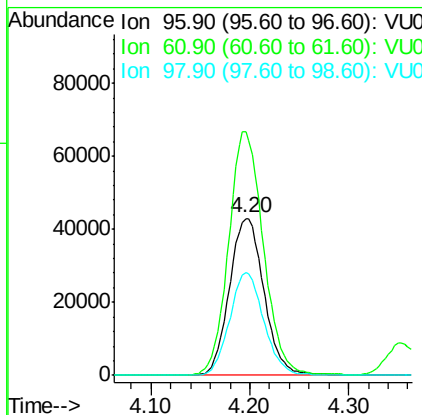
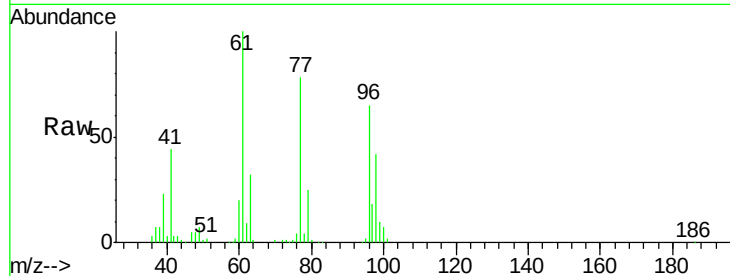
cis-1,2-Dichloroethene
Concen: 20.285 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.6	0.0	312.2	
98	64.7	0.0	129.4	

Manual Integrations
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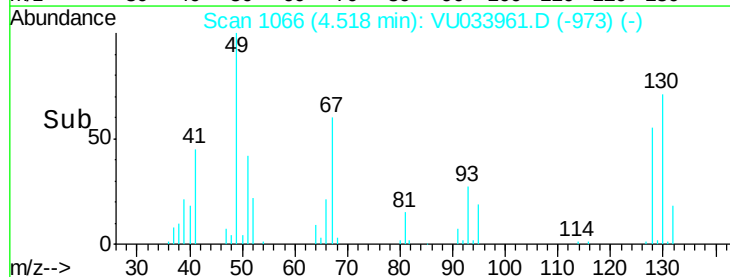
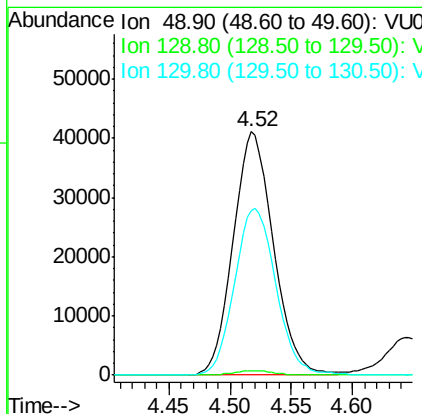
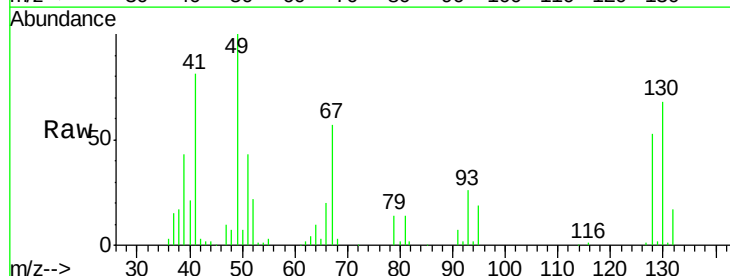
MMDadoda
8/27/2019 12:17:20 PM

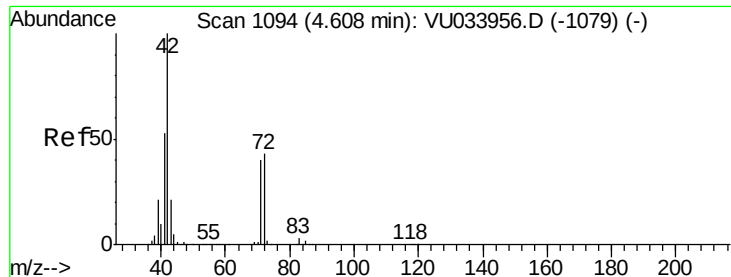


#28

Bromochloromethane
Concen: 20.728 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	70.2	56.2	84.4	





#29

Tetrahydrofuran

Concen: 105.621 ug/l

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

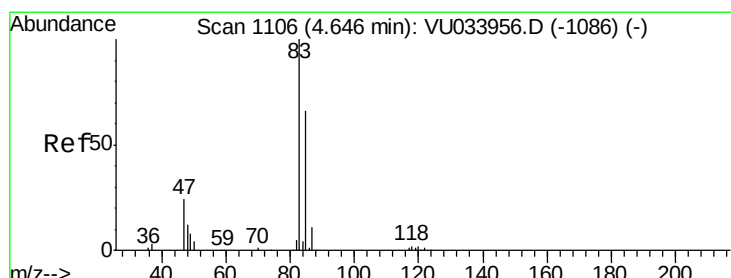
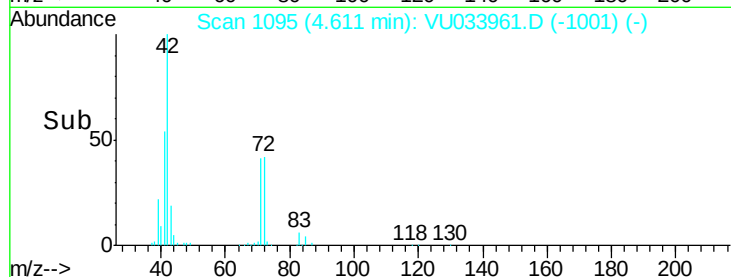
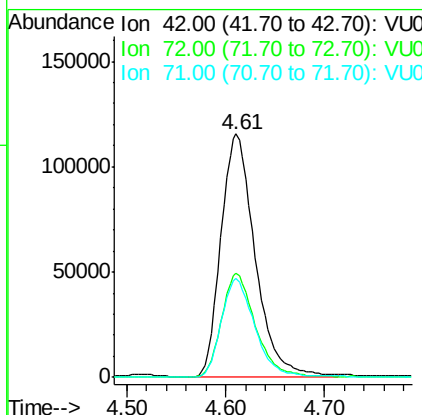
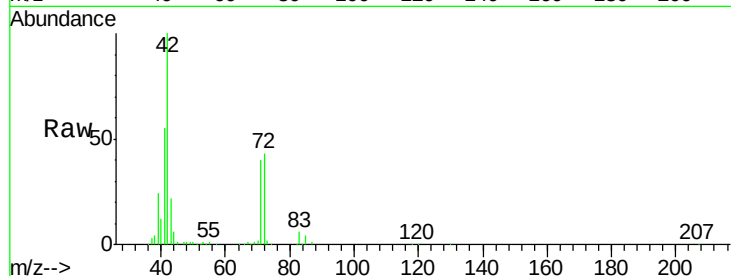
ClientSampleId :

VU0827WBS01

Tot Ion:	42	Resp:	278952
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	52.0
71	40.2	32.1	48.1

Manual Integrations
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#30

Chloroform

Concen: 19.398 ug/l

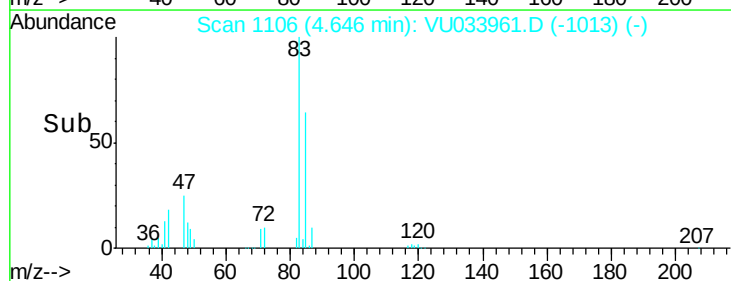
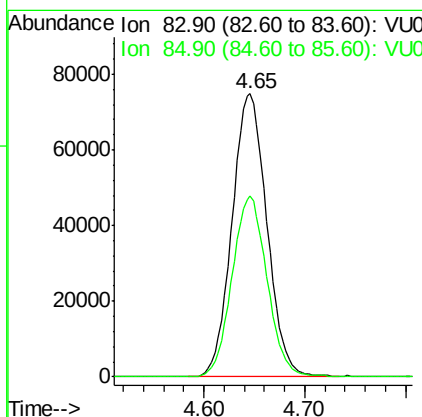
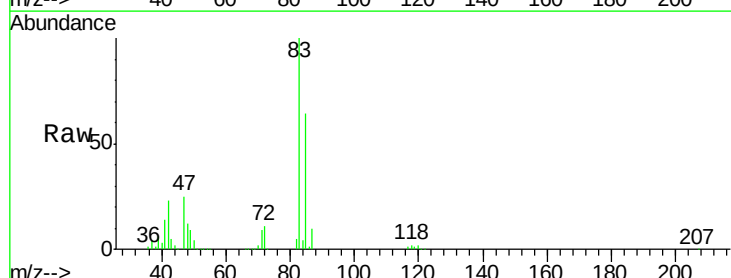
RT: 4.65 min Scan# 1106

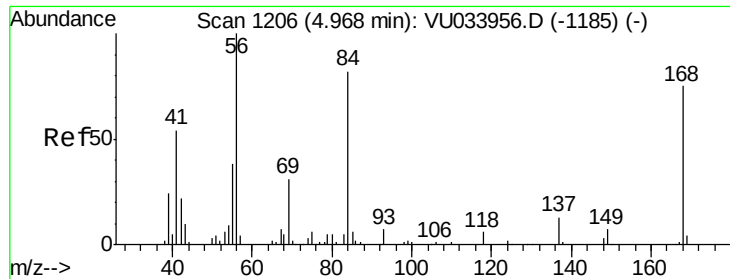
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	83	Resp:	179452
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.4	78.6





#31

Cyclohexane

Concen: 20.414 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

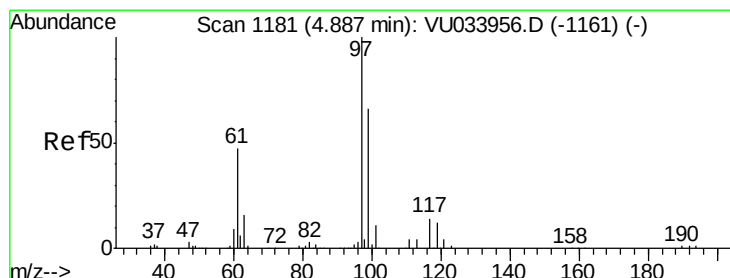
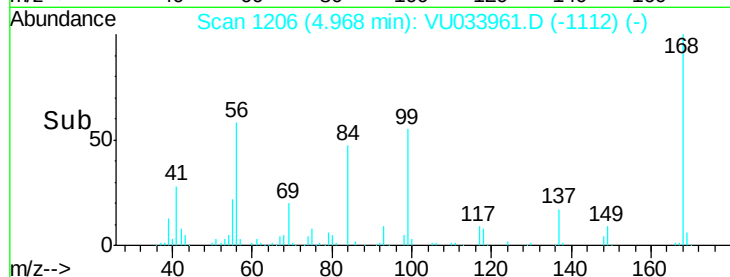
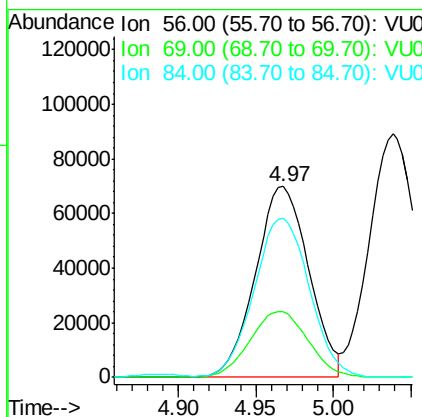
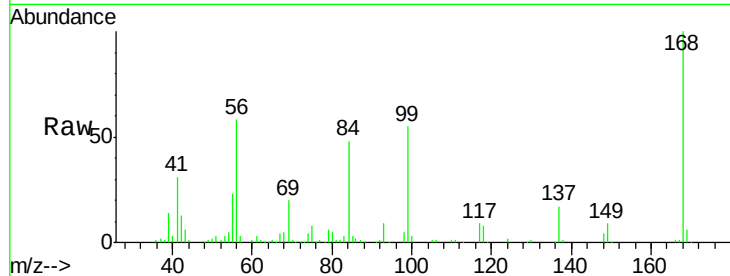
ClientSampleId :

VU0827WBS01

Tot Ion:	56	Resp:	168326
Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.6	37.0
84	82.7	65.4	98.0

Manual Integrations
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8/27/2019 12:17:20 PM



#32

1,1,1-Trichloroethane

Concen: 19.887 ug/l

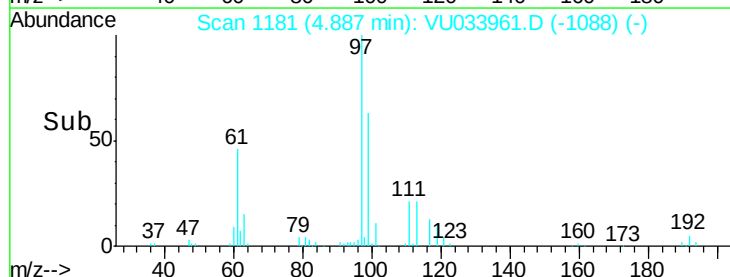
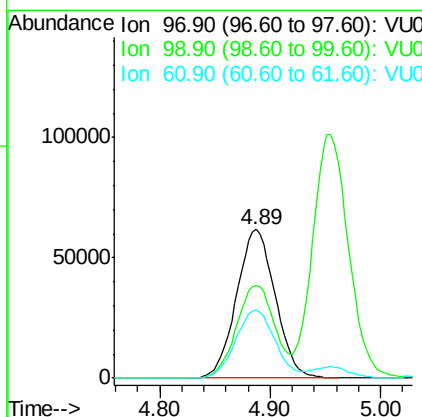
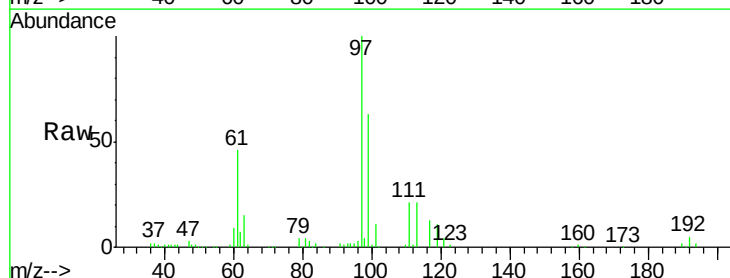
RT: 4.89 min Scan# 1181

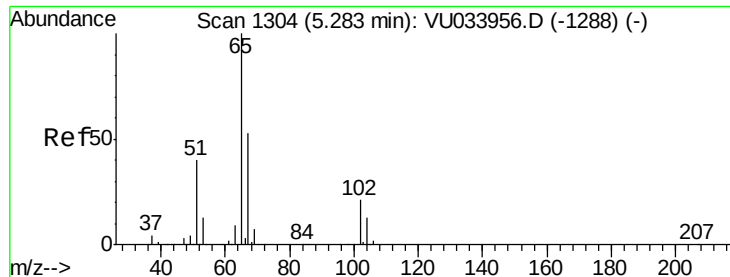
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	97	Resp:	150421
Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.4	77.0
61	46.6	38.4	57.6





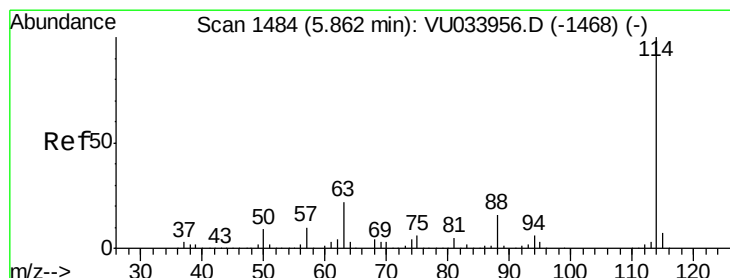
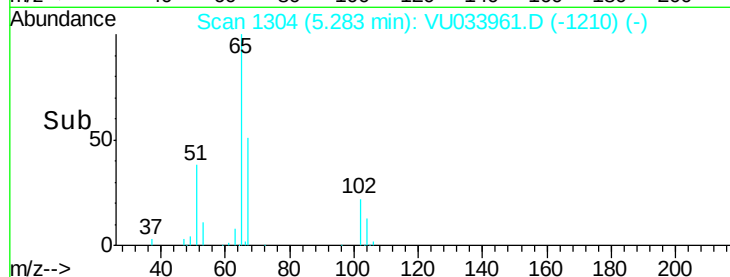
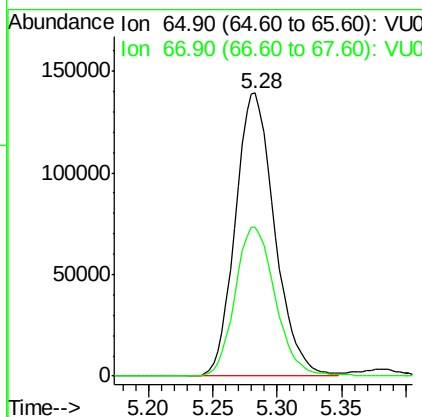
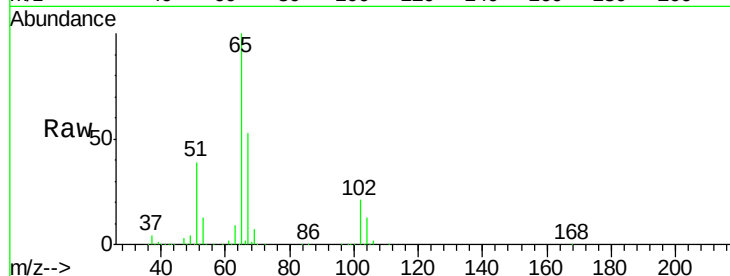
#33
 1,2-Dichloroethane-d4
 Concen: 52.116 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	295822		
67	53.8	0.0	107.2	

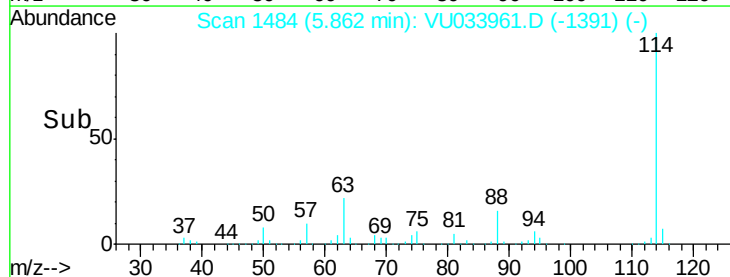
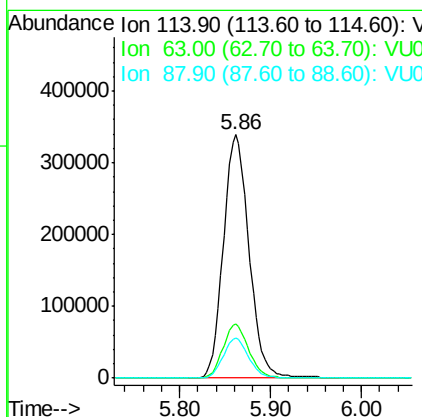
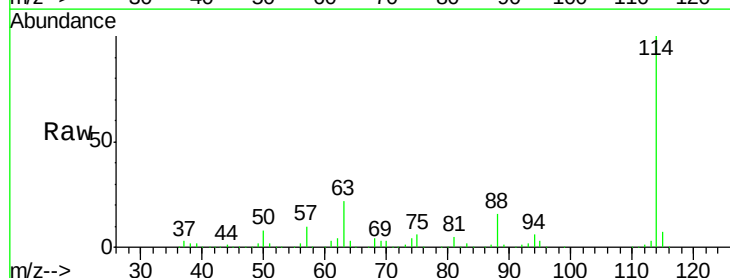
Manual Integrations
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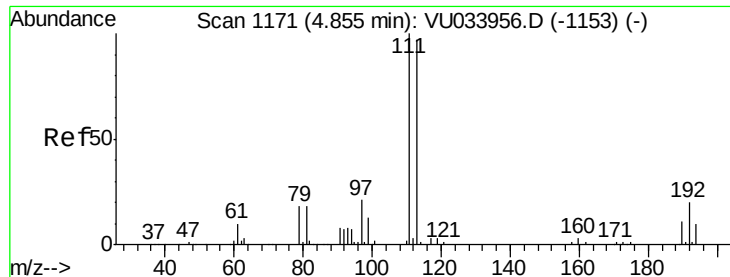
MMDadoda
 8/27/2019 12:17:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	665453		
63	22.1	0.0	44.2	
88	16.3	0.0	32.0	





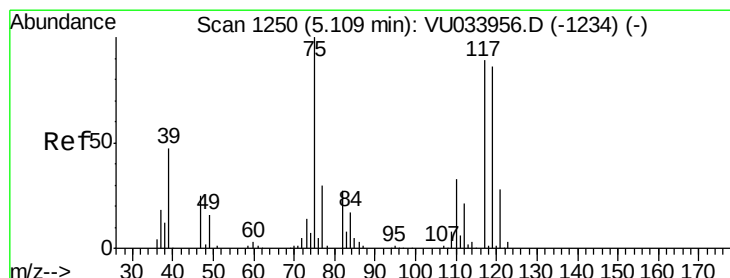
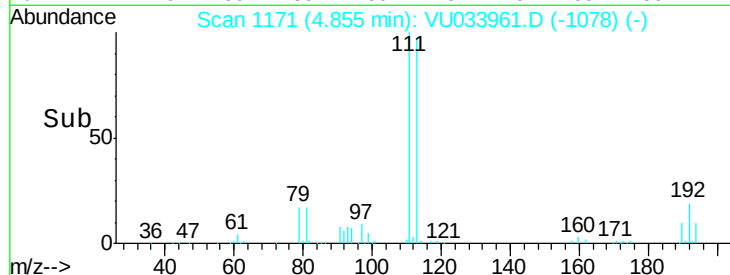
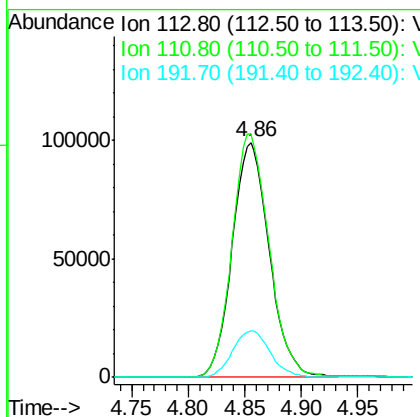
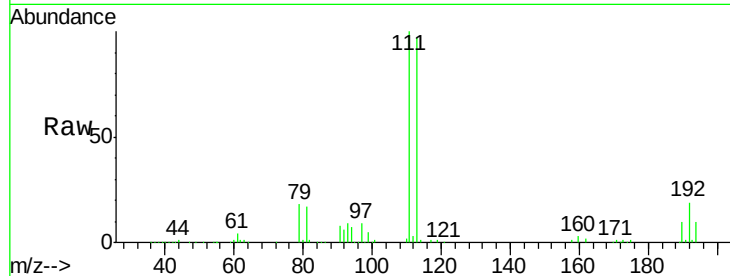
#35
 Dibromofluoromethane
 Concen: 48.962 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	226637		
111	103.2	82.0	123.0	
192	20.2	16.2	24.4	

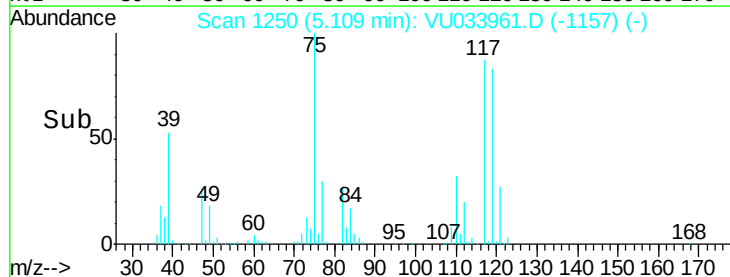
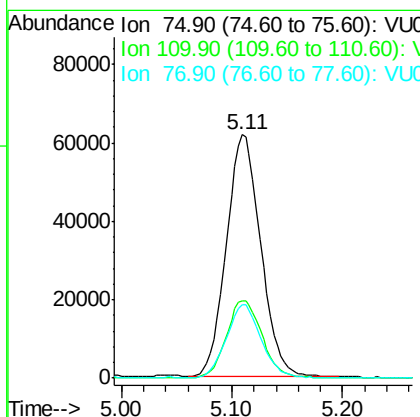
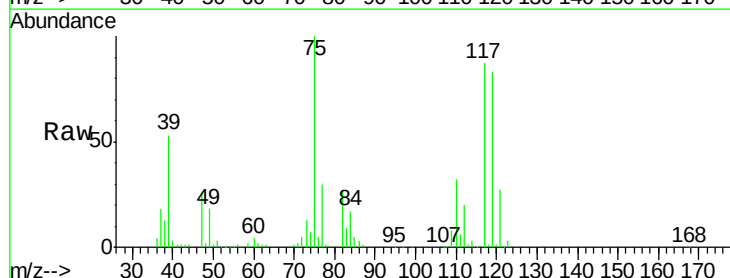
Manual Integrations
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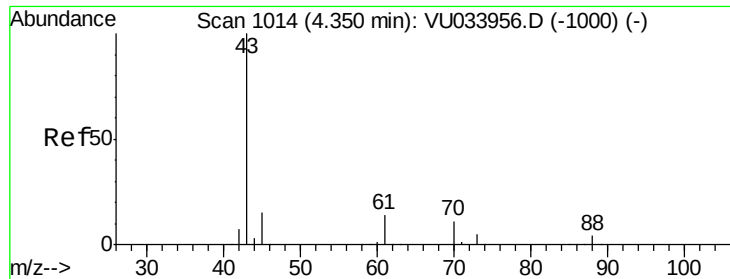
MMDadoda
 8/27/2019 12:17:20 PM



#36
 1,1-Dichloropropene
 Concen: 19.421 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133435		
110	33.1	16.8	50.4	
77	30.2	24.7	37.1	





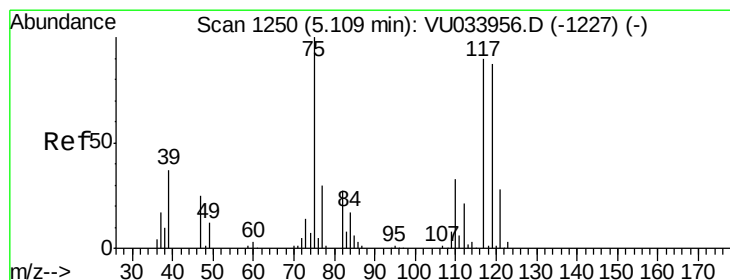
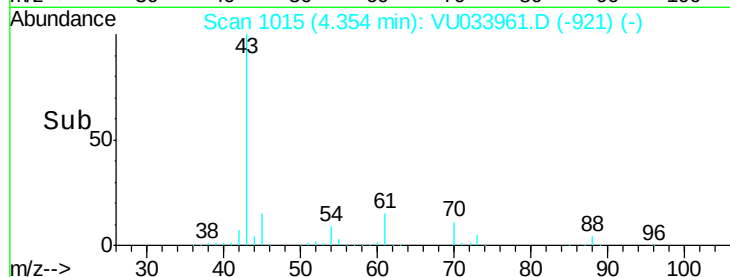
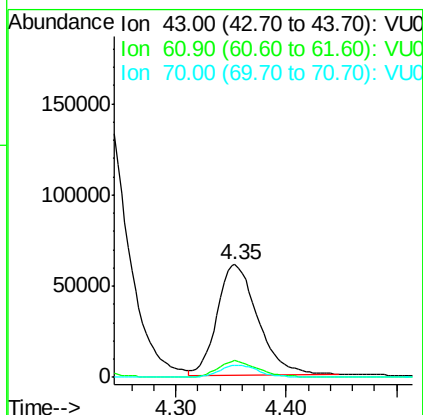
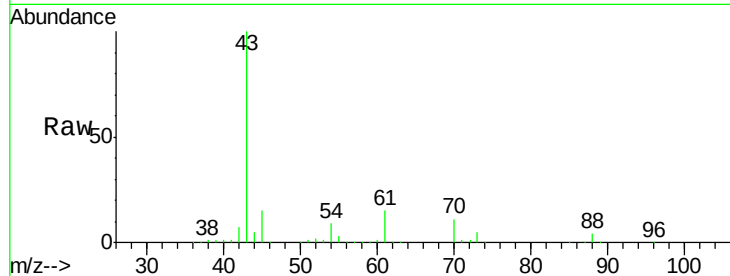
#37
Ethyl Acetate
Concen: 19.034 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	10.6	8.2	12.4

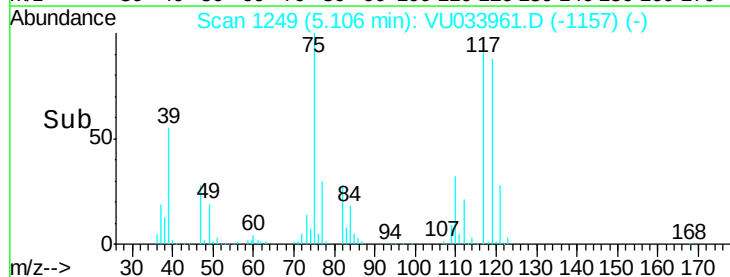
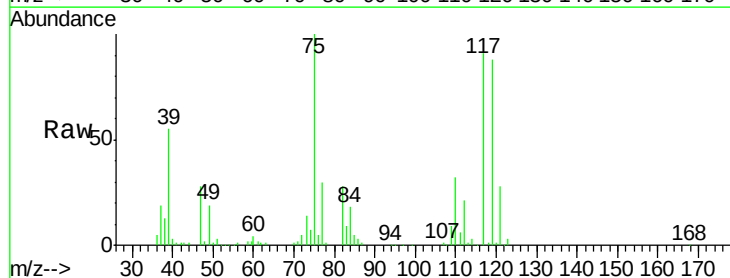
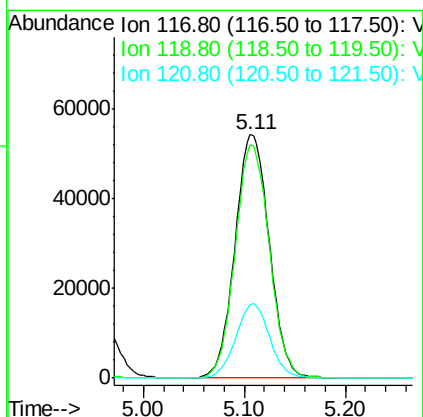
Manual Integrations
APPROVED

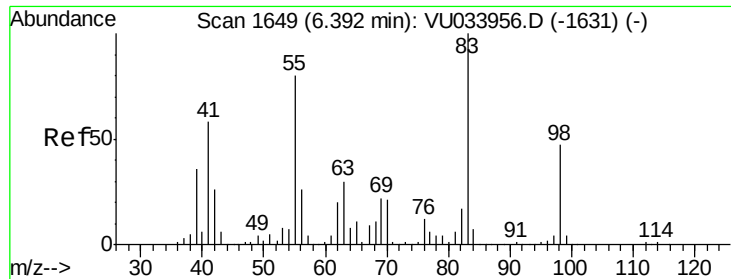
MMDadoda
8/27/2019 12:17:20 PM



#38
Carbon Tetrachloride
Concen: 18.699 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.9	115.3
121	30.1	24.9	37.3





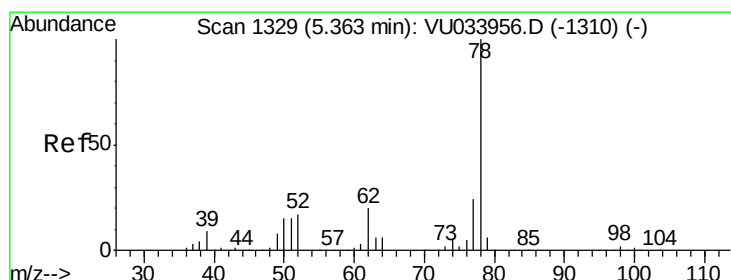
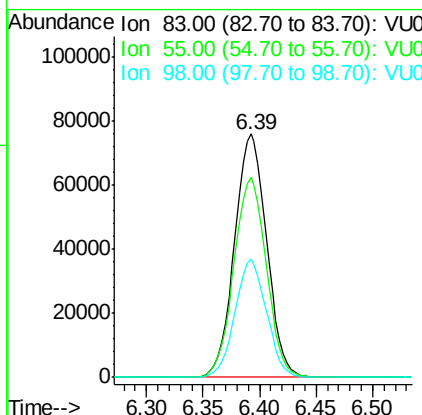
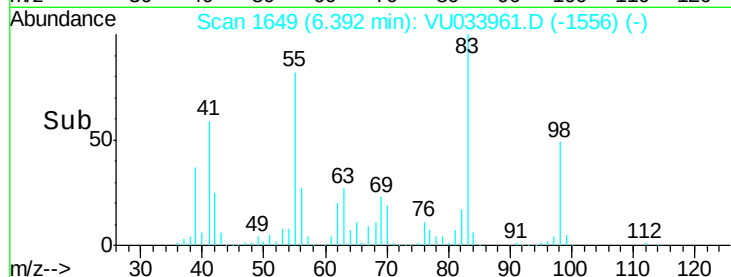
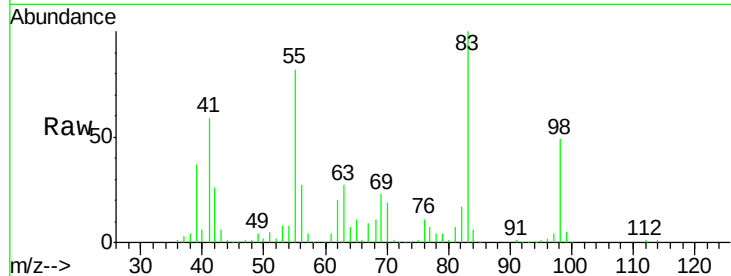
#39
Methylvlcyclohexane
Concen: 19.756 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	83.00	Resp	150262
Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.8	95.8
98	48.6	37.7	56.5

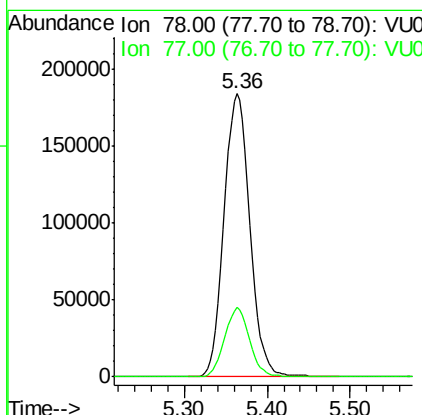
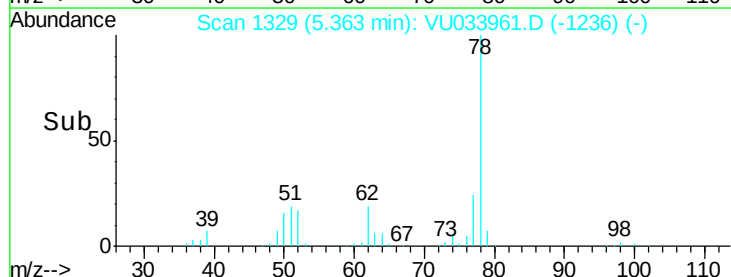
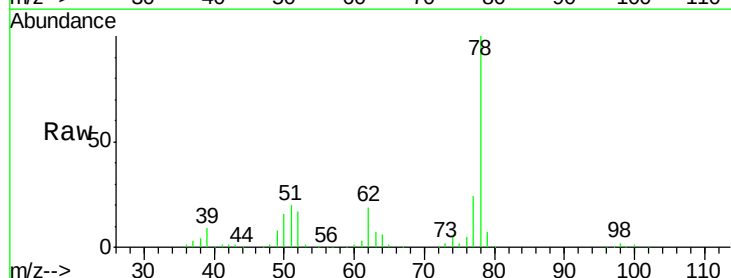
Manual Integrations
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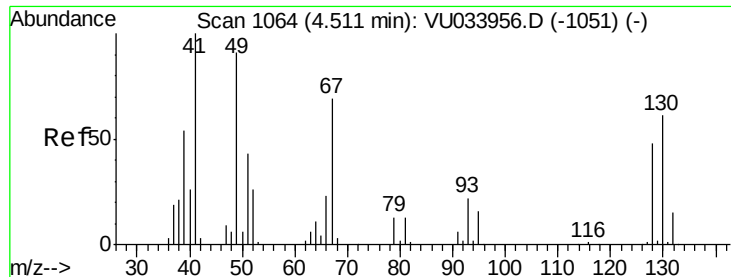
MMDadoda
8/27/2019 12:17:20 PM



#40
Benzene
Concen: 19.573 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	78.00	Resp	399661
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4





#41

Methacrylonitrile

Concen: 20.131 ug/l

RT: 4.51 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

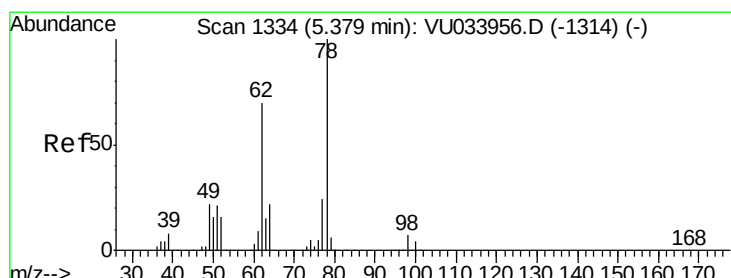
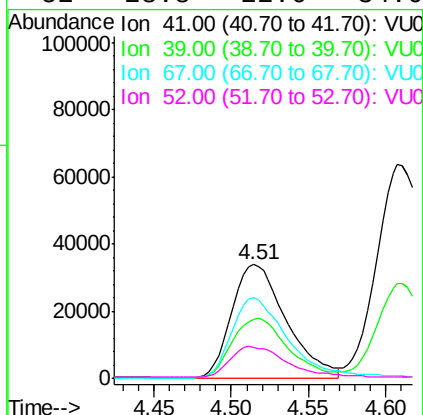
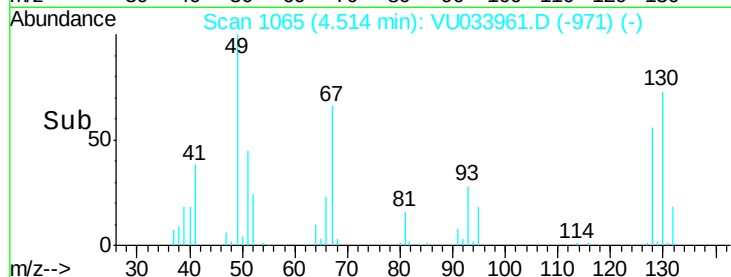
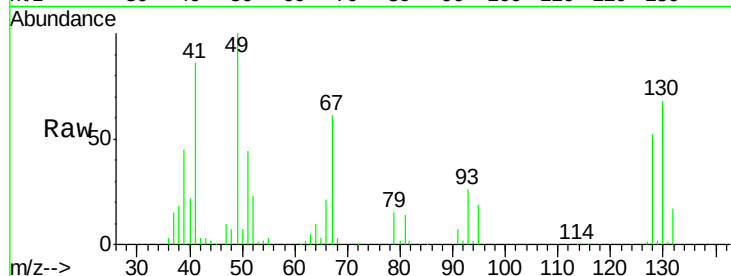
ClientSampleId :

VU0827WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	43.3	64.9	
67	74.9	57.5	86.3	
52	28.8	22.6	34.0	

Manual Integrations
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8/27/2019 12:17:20 PM



#42

1,2-Dichloroethane

Concen: 19.943 ug/l

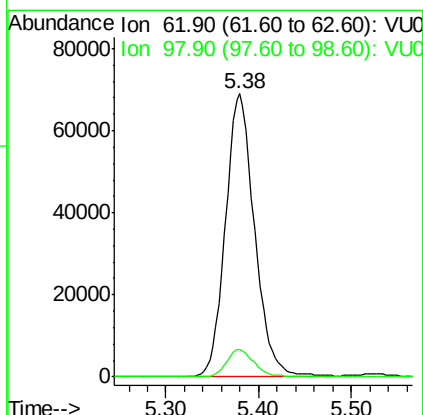
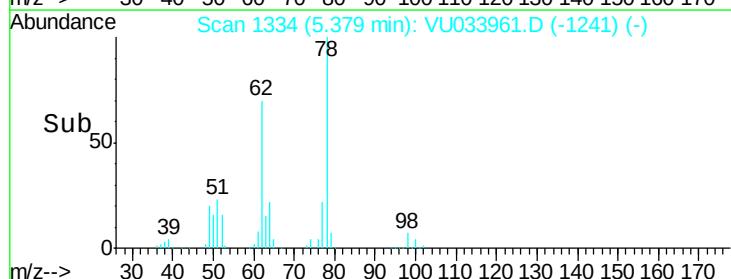
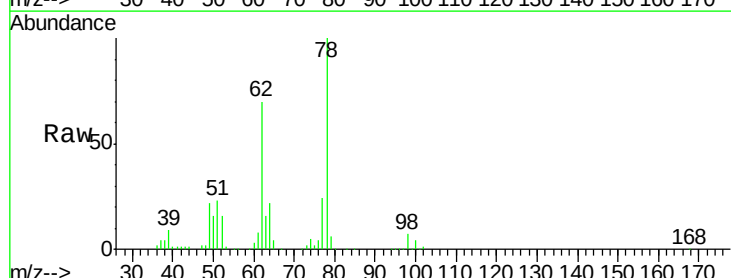
RT: 5.38 min Scan# 1334

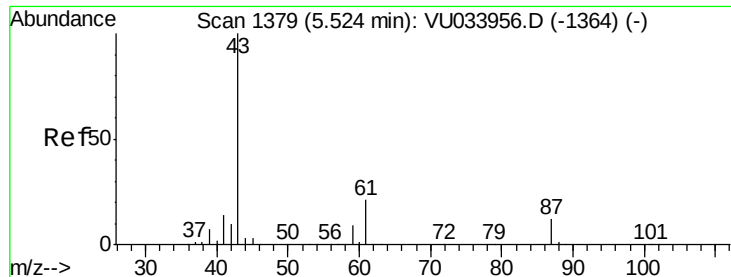
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.2	





#43

Isopropyl Acetate

Concen: 19.707 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

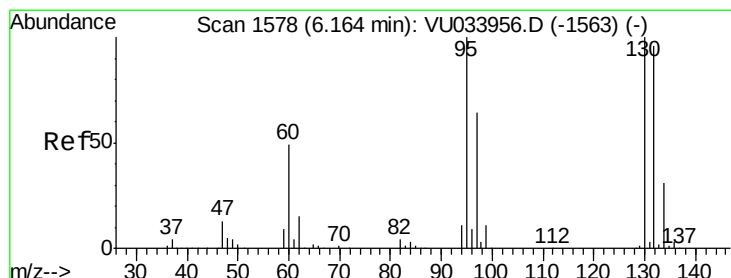
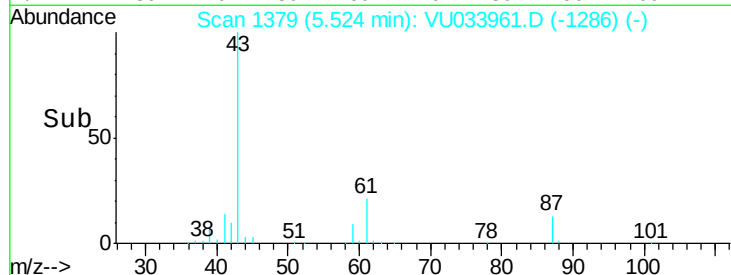
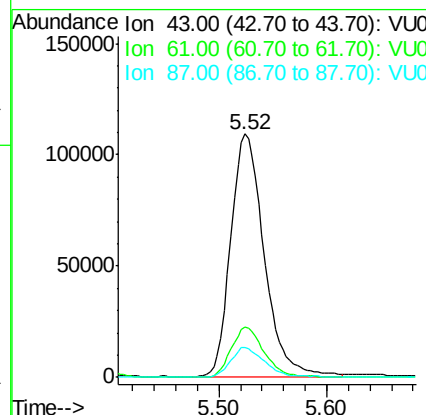
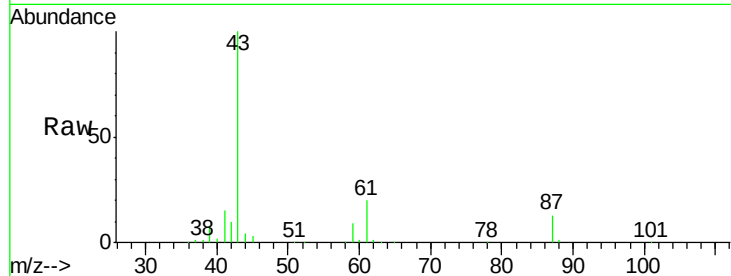
ClientSampled :

VU0827WBS01

Tot Ion:	43	Resp:	235113
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1
87	12.7	9.9	14.9

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#44

Trichloroethene

Concen: 18.442 ug/l

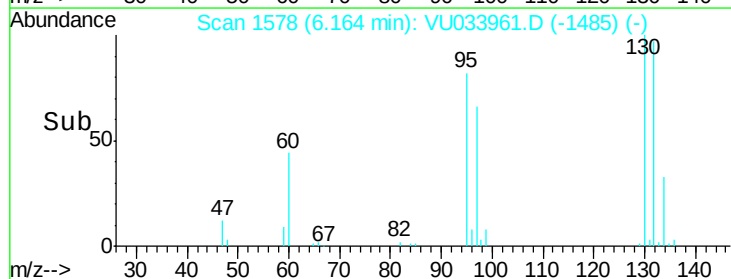
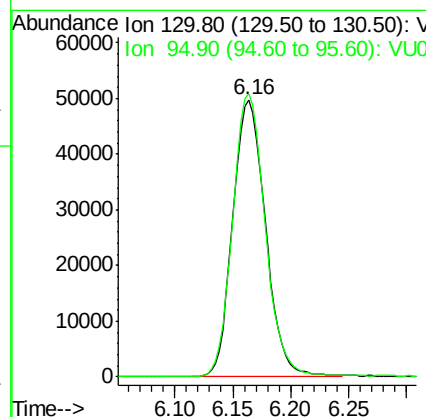
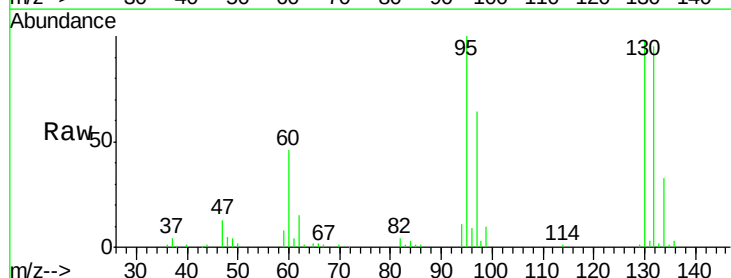
RT: 6.16 min Scan# 1578

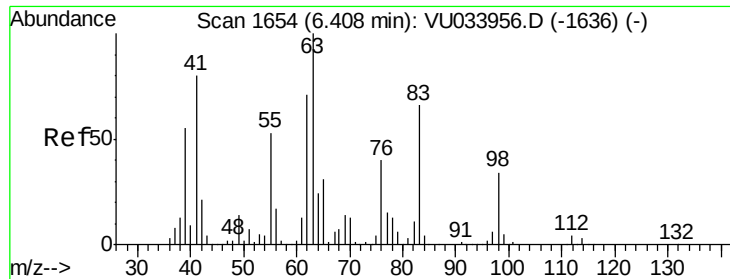
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	130	Resp:	97457
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	200.4





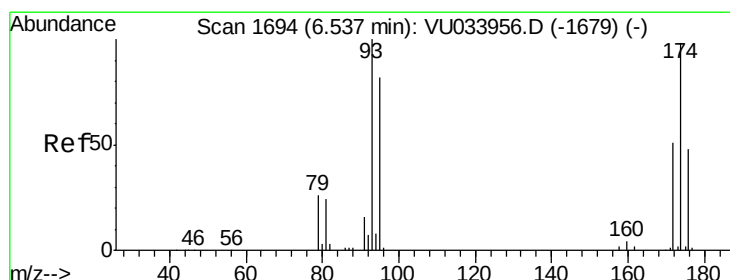
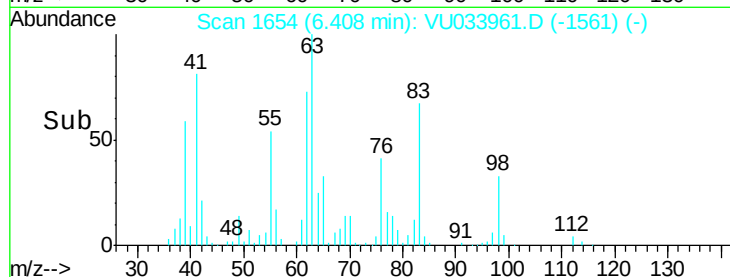
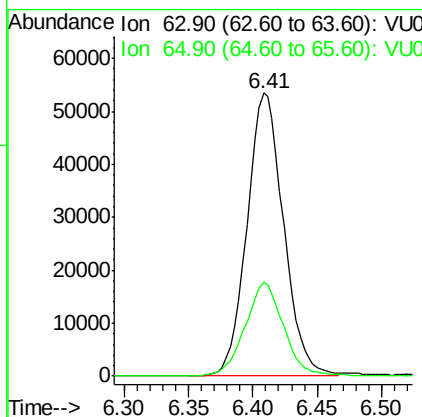
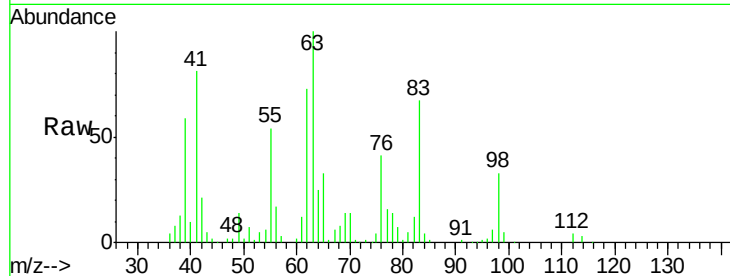
#45
 1,2-Dichloropropane
 Concen: 18.720 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion: 63 Resp: 105823
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.0 37.4

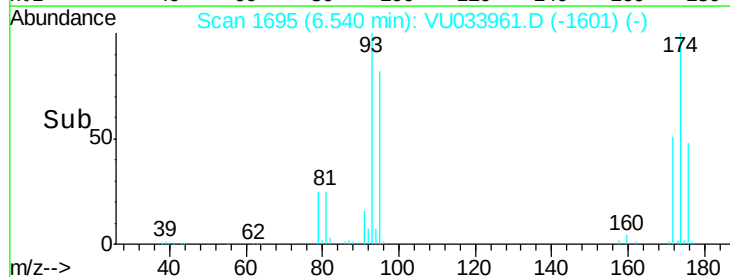
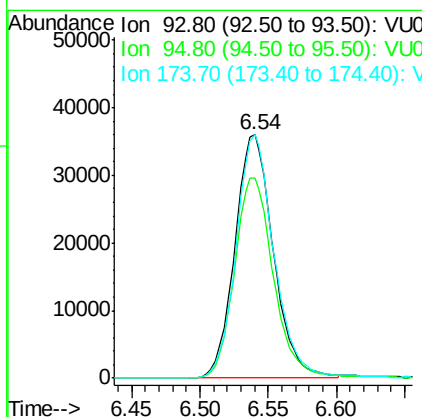
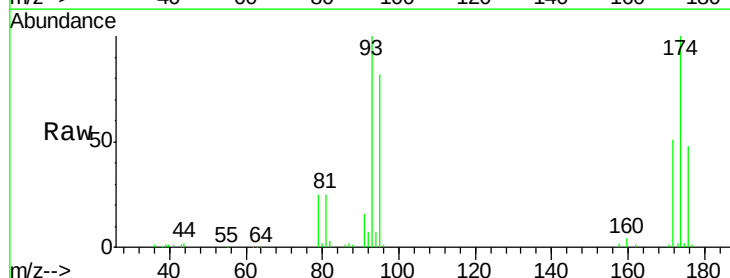
Manual Integrations
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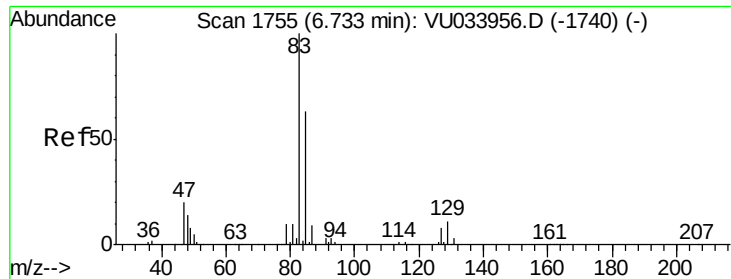
MMDadoda
 8/27/2019 12:17:20 PM



#46
 Dibromomethane
 Concen: 19.397 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion: 93 Resp: 70465
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.3 100.9
 174 98.0 79.7 119.5





#47

Bromodichloromethane

Concen: 19.033 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

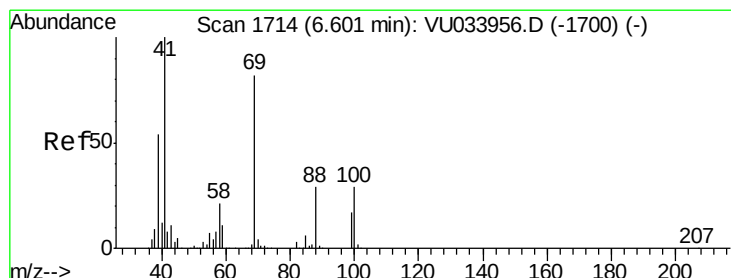
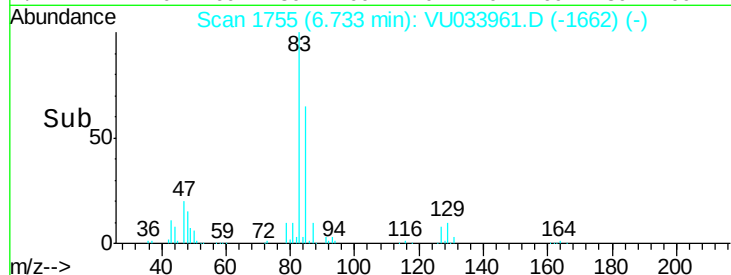
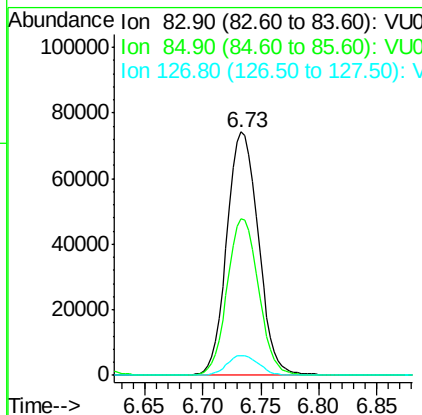
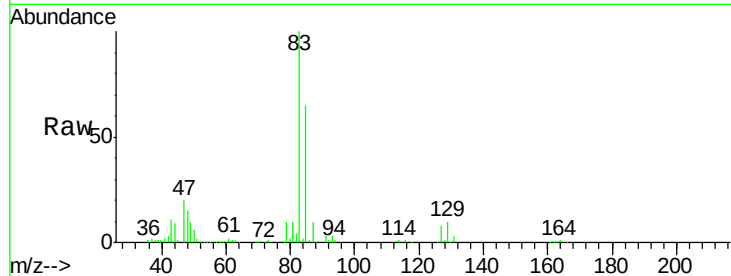
ClientSampleId :

VU0827WBS01

Tot Ion:	83	Resp:	139821
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.5	75.7
127	8.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.562 ug/l

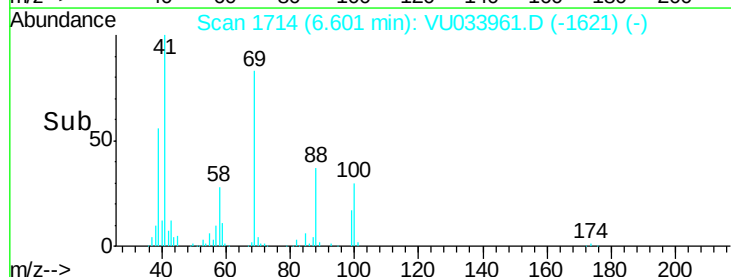
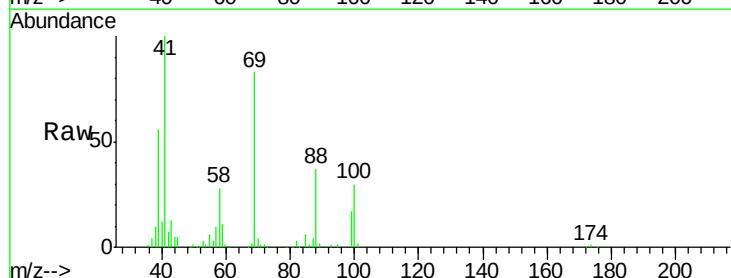
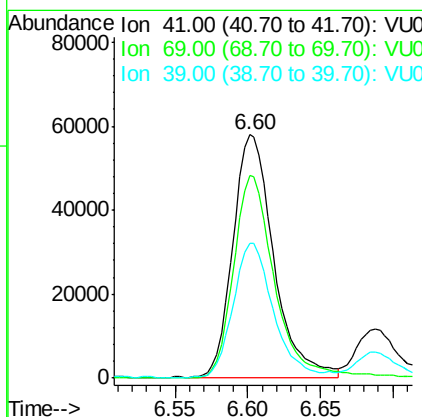
RT: 6.60 min Scan# 1714

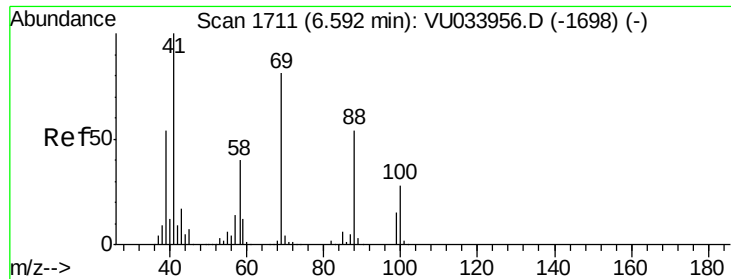
Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	41	Resp:	112485
Ion Ratio	Lower	Upper	
41	100		
69	85.0	66.9	100.3
39	55.1	43.3	64.9





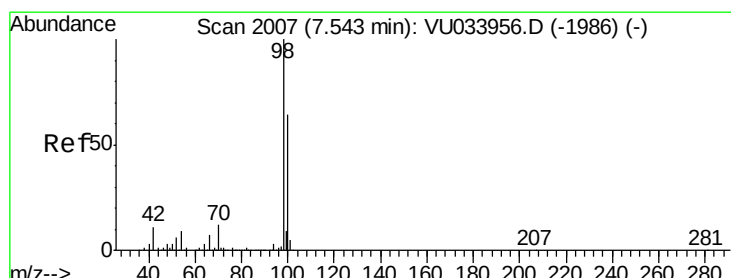
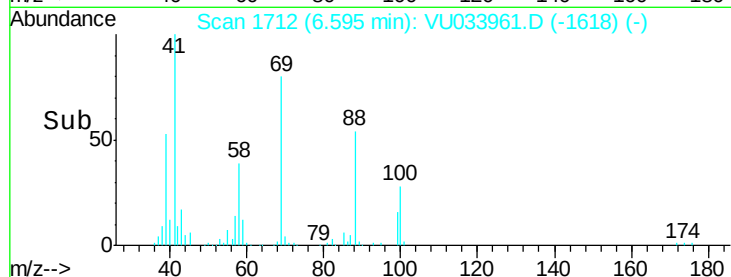
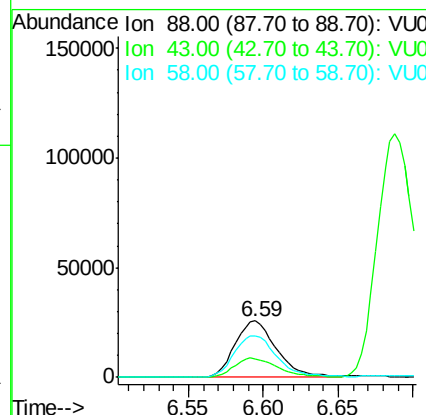
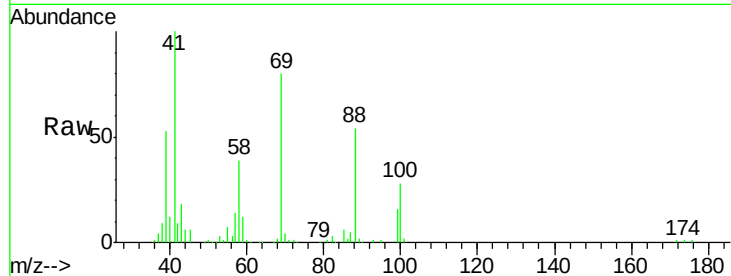
#49
1,4-Dioxane
Concen: 408.121 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.7	27.2	40.8	
58	76.7	59.3	88.9	

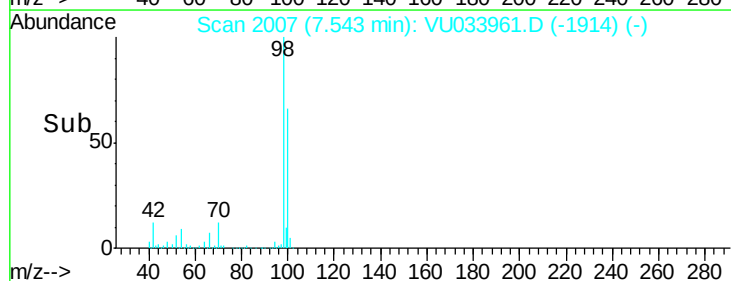
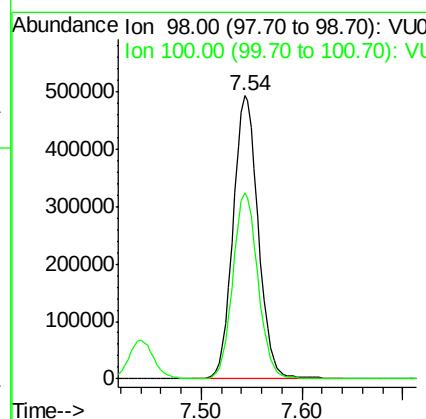
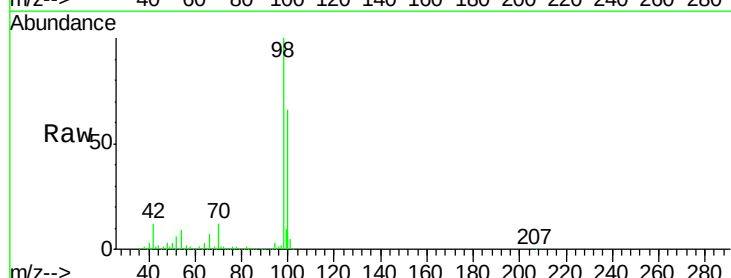
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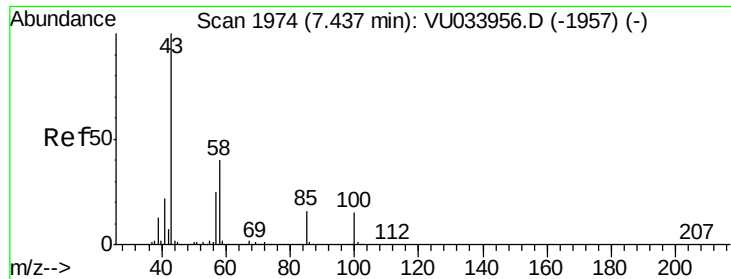
MMDadoda
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#50
Toluene-d8
Concen: 50.170 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.4	51.8	77.6	





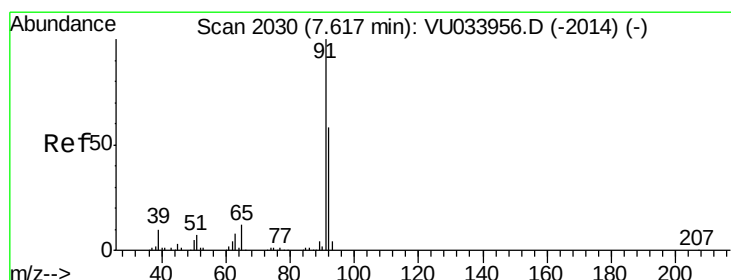
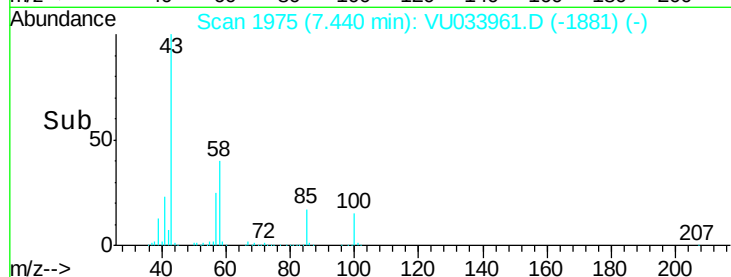
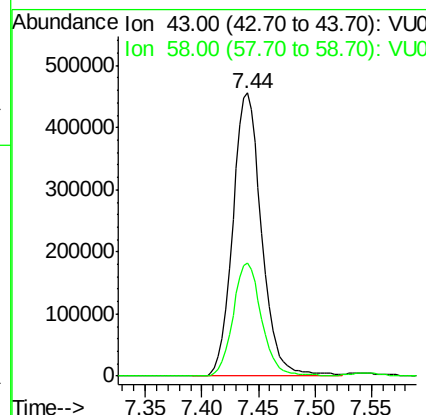
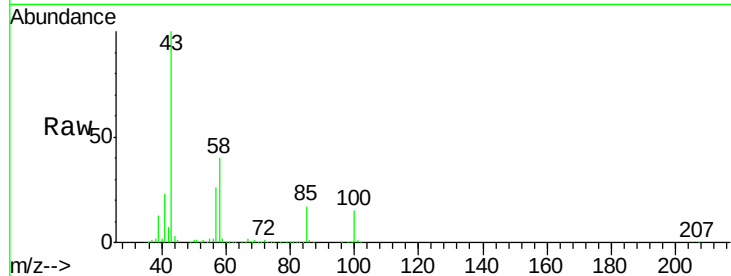
#51
4-Methyl-2-Pentanone
Concen: 99.431 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4

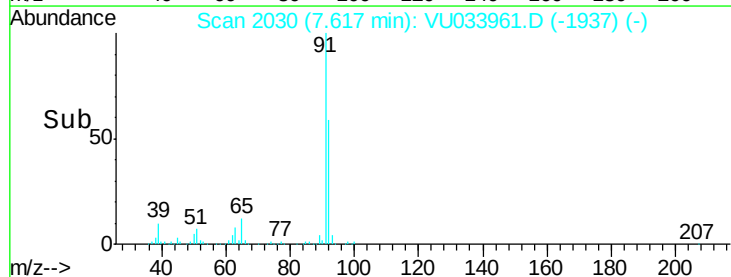
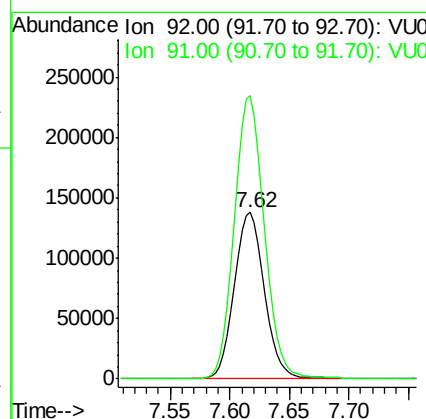
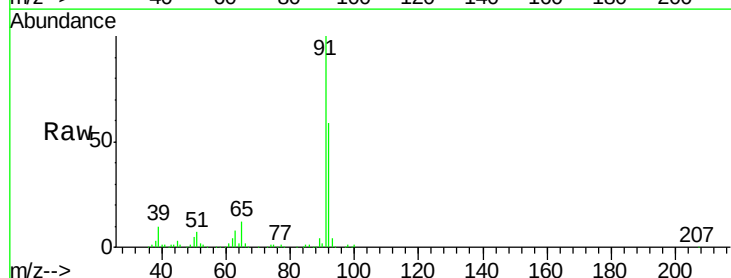
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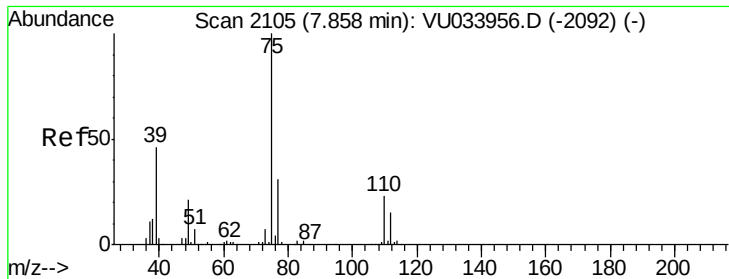
MMDadoda
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#52
Toluene
Concen: 20.442 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.5	206.3





#53

t-1,3-Dichloropropene

Concen: 19.825 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 75 Resp: 151683

Ion Ratio Lower Upper

75 100

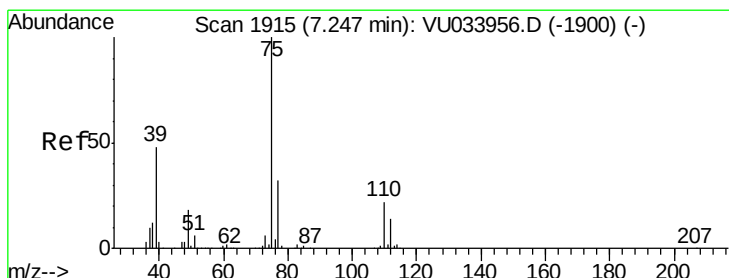
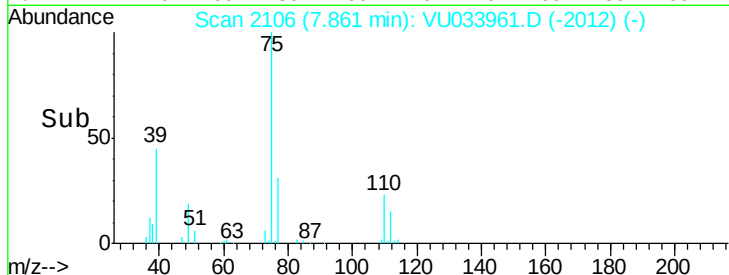
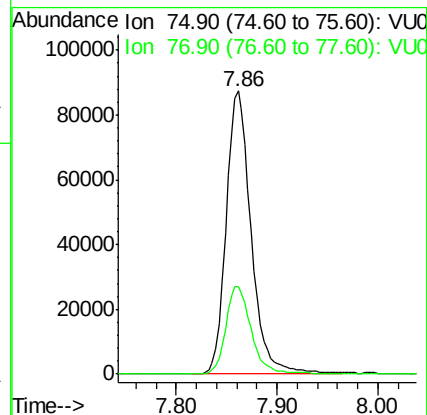
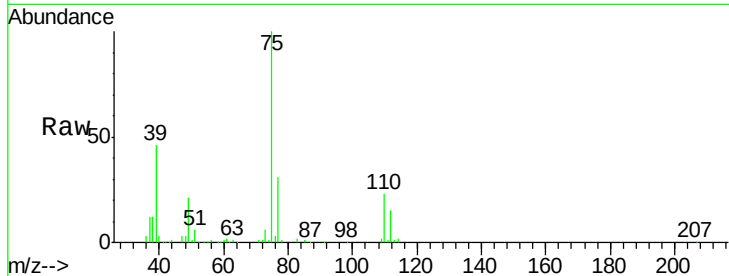
77 30.8 24.9 37.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.026 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

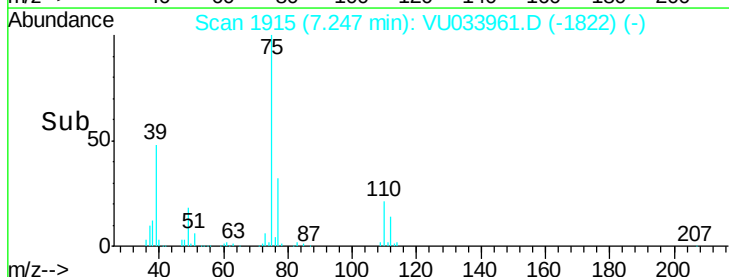
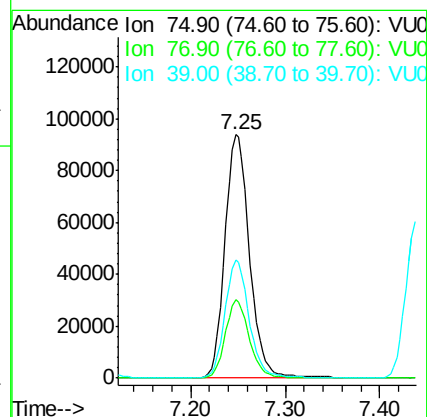
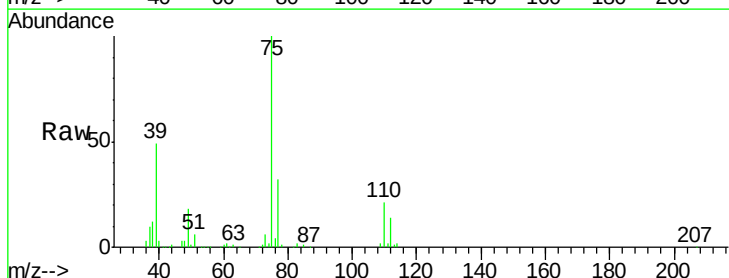
Tgt Ion: 75 Resp: 169829

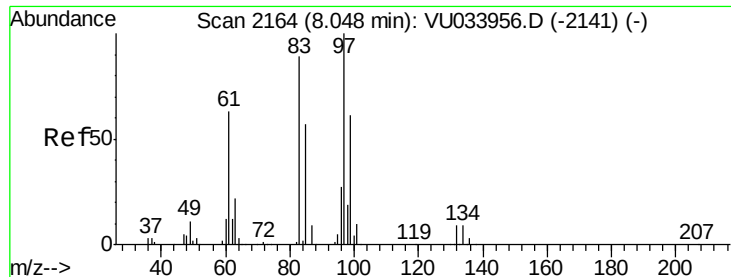
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 48.4 38.3 57.5





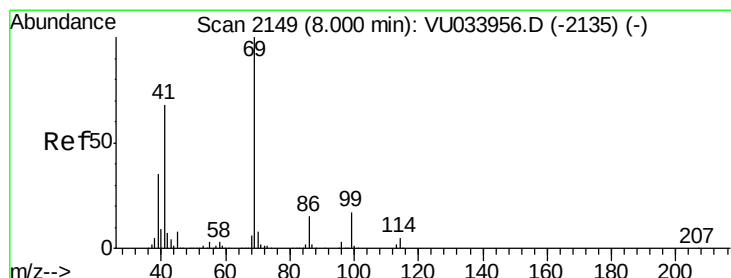
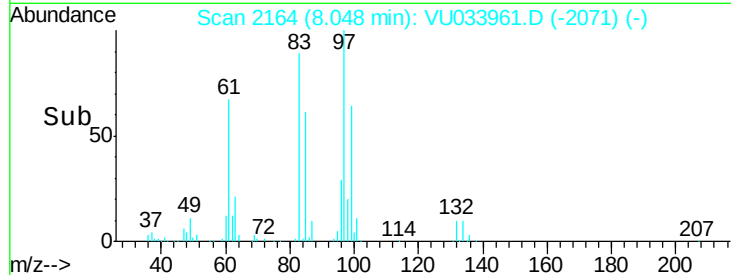
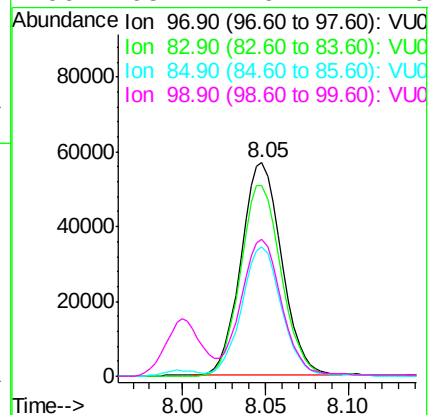
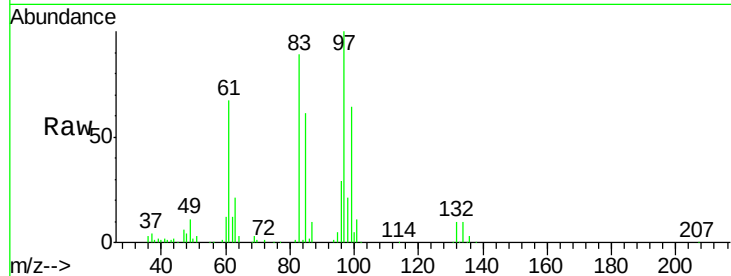
#55
 1,1,2-Trichloroethane
 Concen: 18.486 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100			
83	83	89.9	71.0	106.4	
85	85	60.5	45.5	68.3	
99	99	63.4	49.4	74.0	

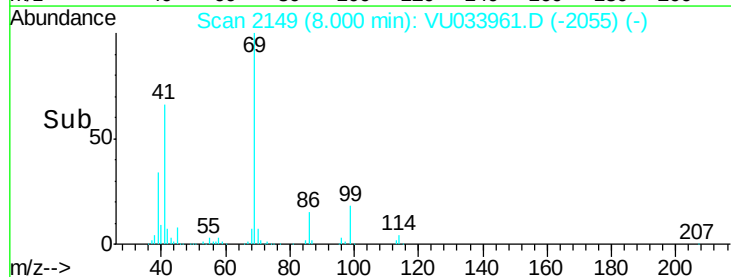
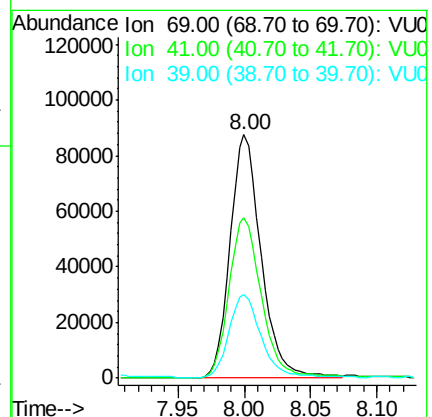
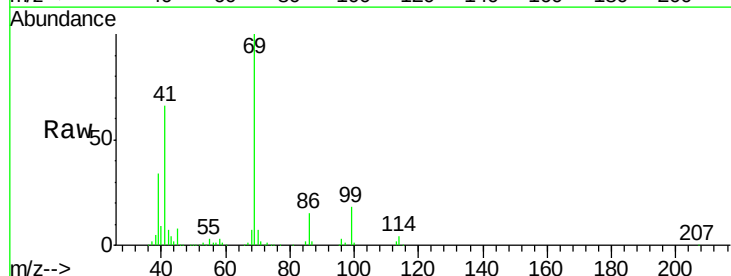
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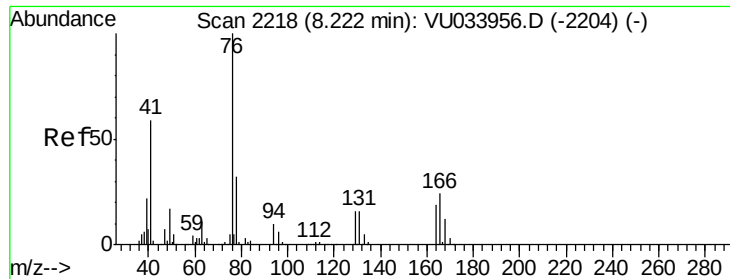
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#56
 Ethyl methacrylate
 Concen: 19.127 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100			
41	41	69.7	54.1	81.1	
39	39	34.5	28.1	42.1	





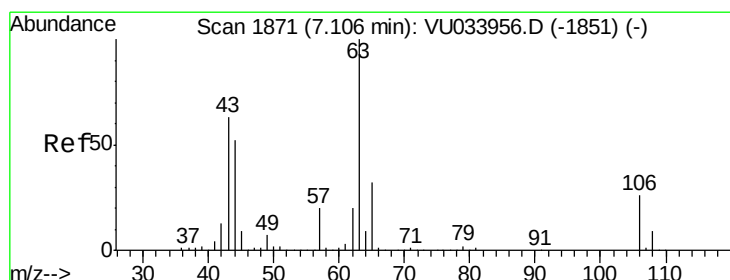
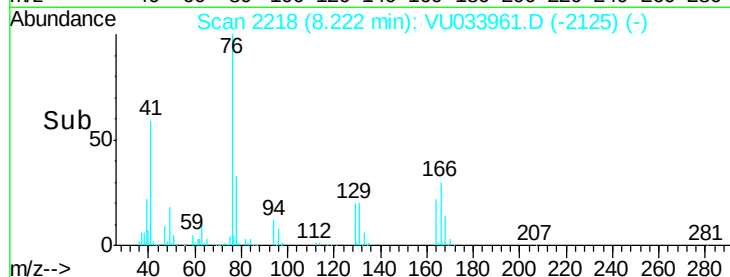
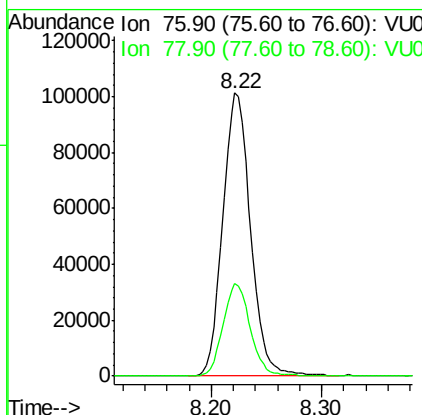
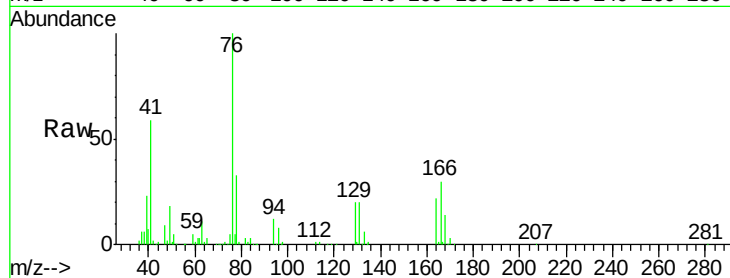
#57
 1,3-Dichloropropane
 Concen: 19.518 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion: 76 Resp: 177286
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.2

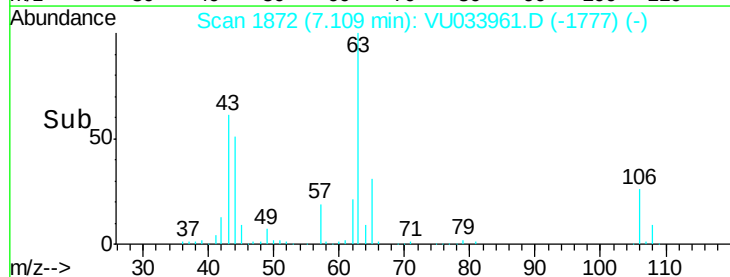
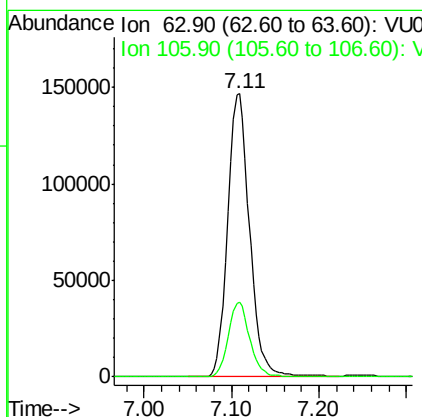
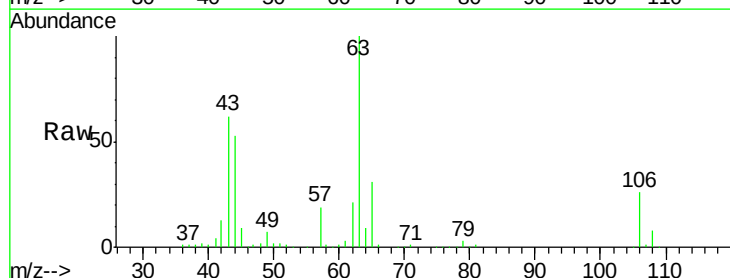
Manual Integrations
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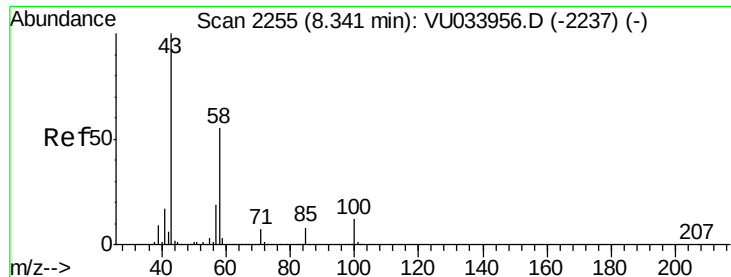
MMDadoda
 8/27/2019 12:17:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.929 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion: 63 Resp: 255740
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.8 31.2





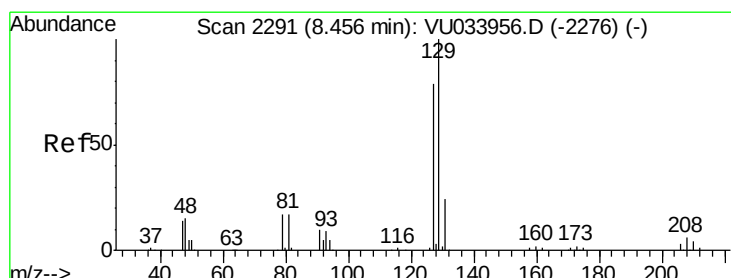
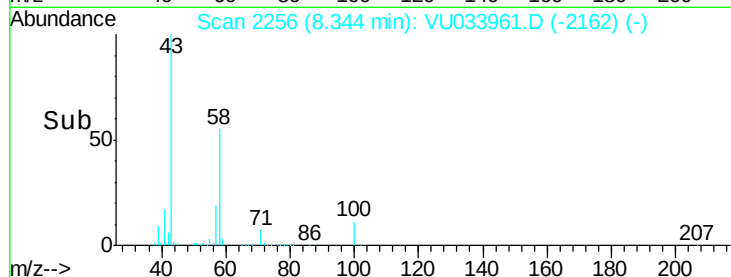
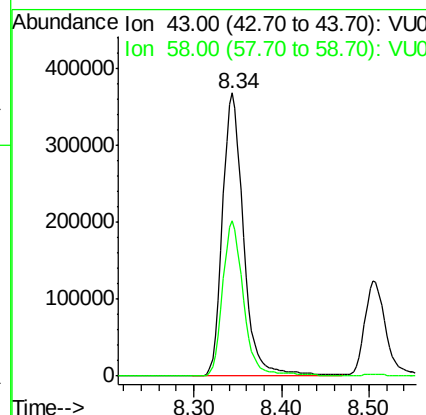
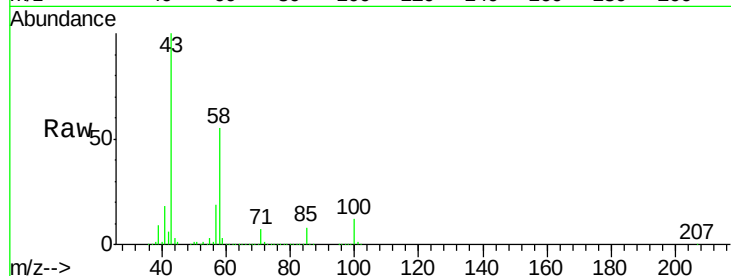
#59
2-Hexanone
Concen: 100.037 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.3	81.9

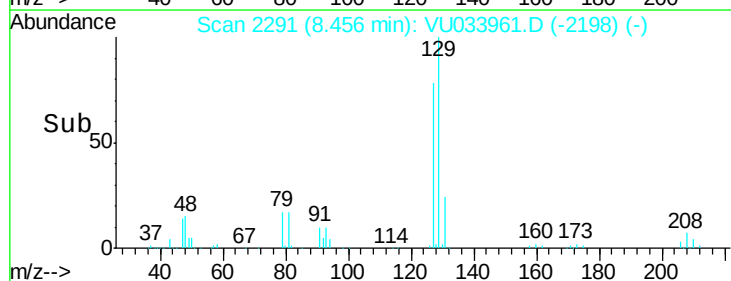
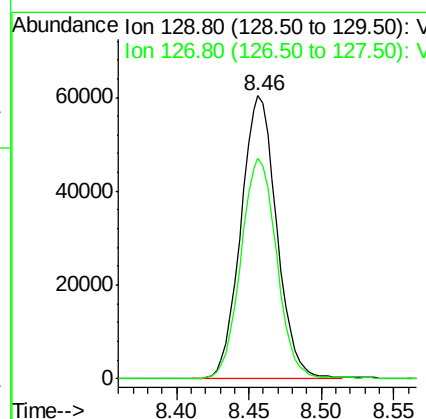
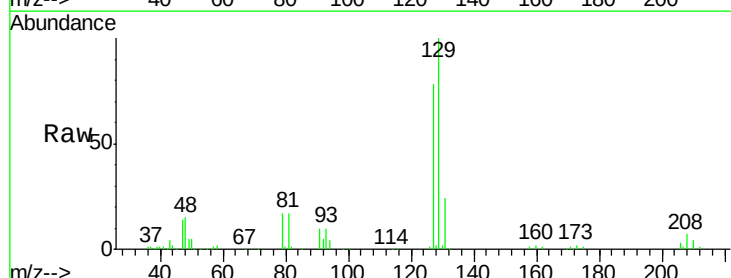
Manual Integrations
APPROVED

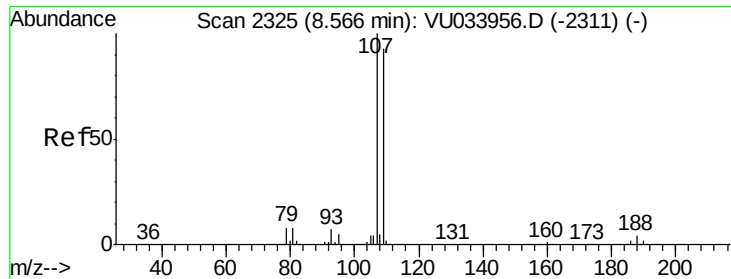
MMDadoda
8/27/2019 12:17:20 PM



#60
Dibromochloromethane
Concen: 19.038 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.9	116.7





#61

1,2-Dibromoethane

Concen: 19.646 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion:107 Resp: 106524

Ion Ratio Lower Upper

107 100

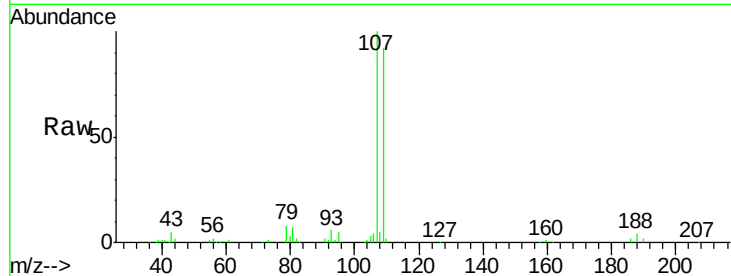
109 93.2 74.7 112.1

Manual Integrations

APPROVED

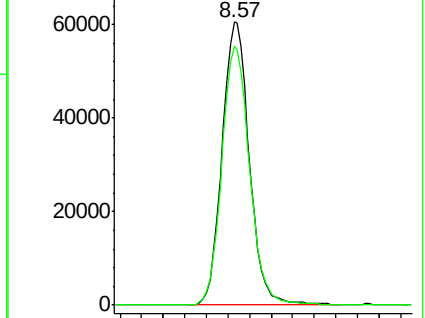
MMDadoda

8/27/2019 12:17:20 PM

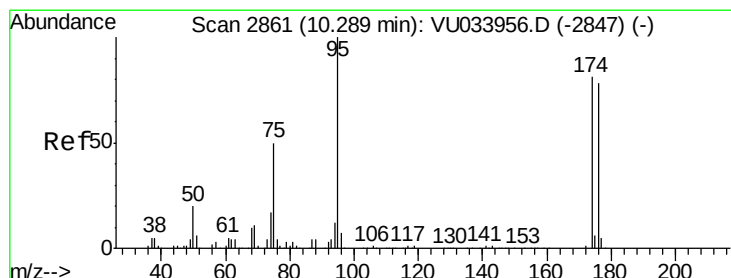
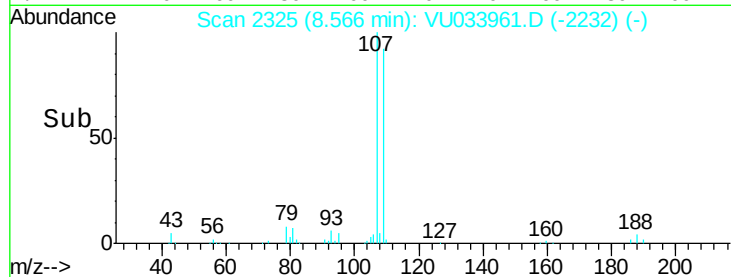


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.781 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

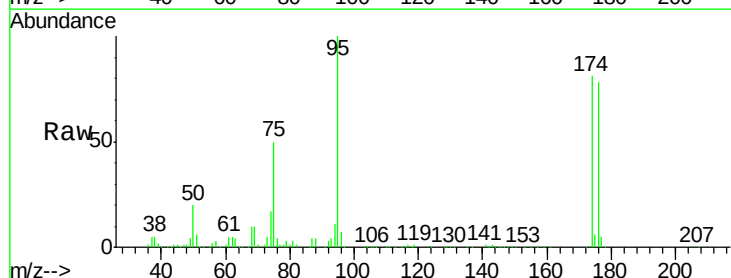
Tgt Ion: 95 Resp: 308770

Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

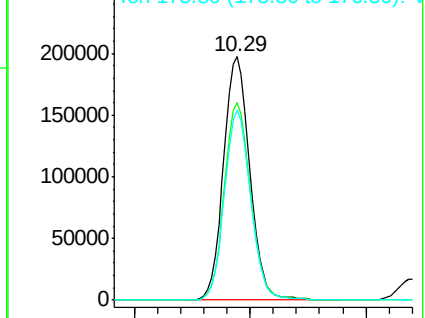
176 77.9 0.0 154.2



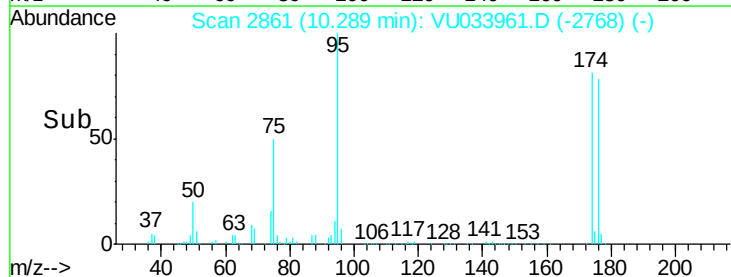
Abundance Ion 94.90 (94.60 to 95.60): VU0

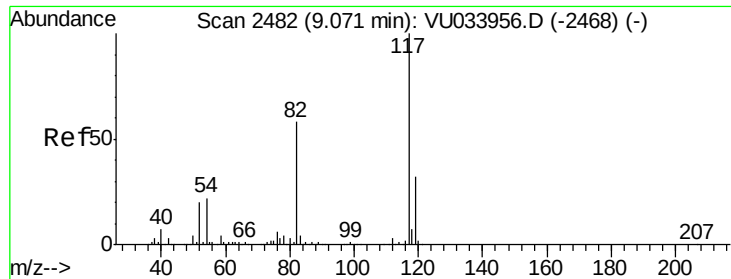
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





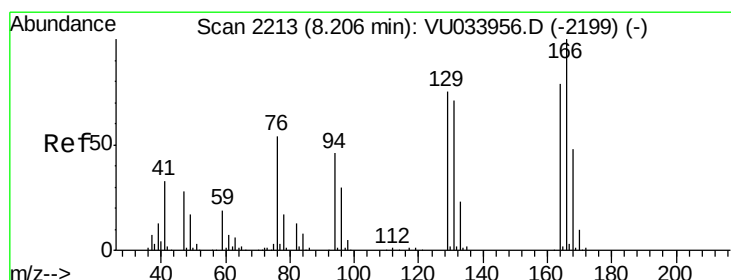
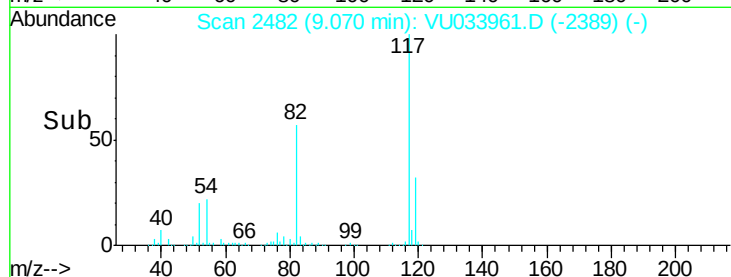
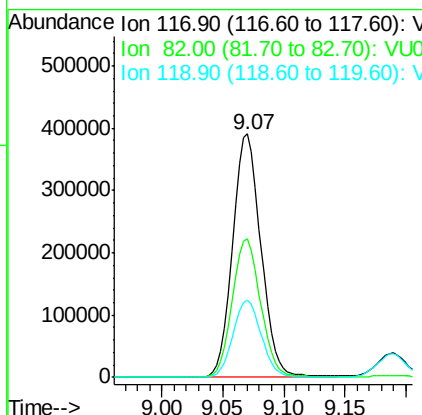
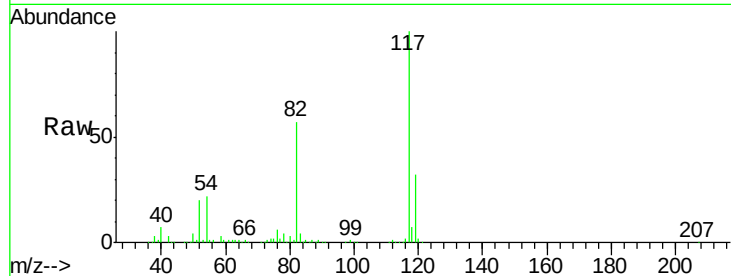
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	632043		
82	56.7	46.4	69.6	
119	31.7	25.3	37.9	

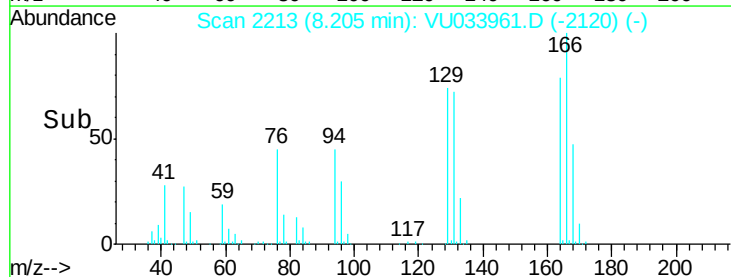
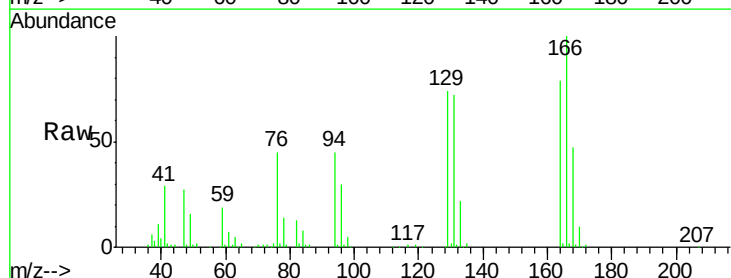
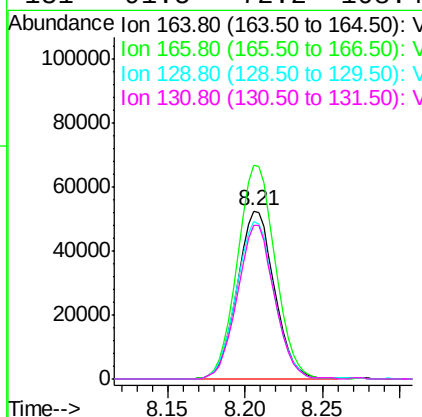
Manual Integrations
APPROVED

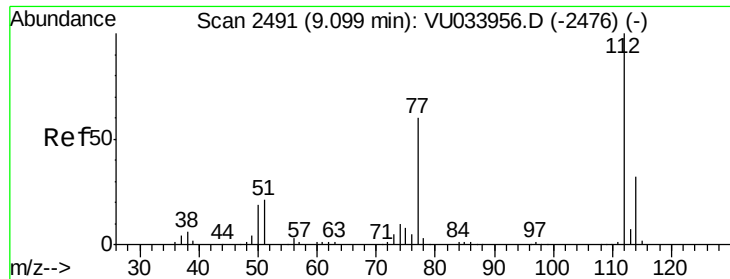
MMDadoda
8/27/2019 12:17:20 PM



#64
Tetrachloroethene
Concen: 19.411 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87967		
166	127.2	101.4	152.2	
129	93.5	76.6	114.8	
131	91.5	72.2	108.4	





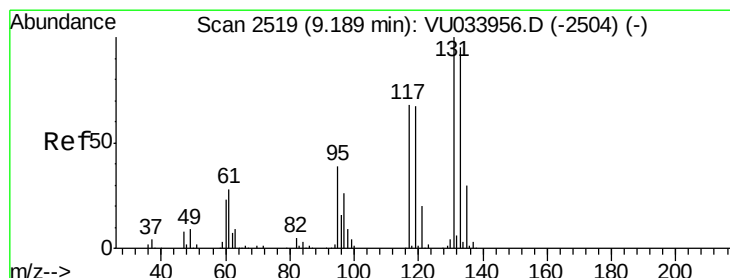
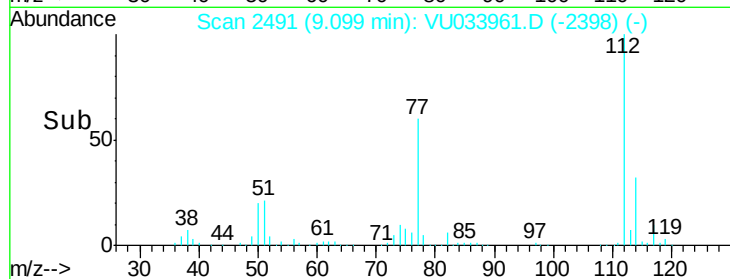
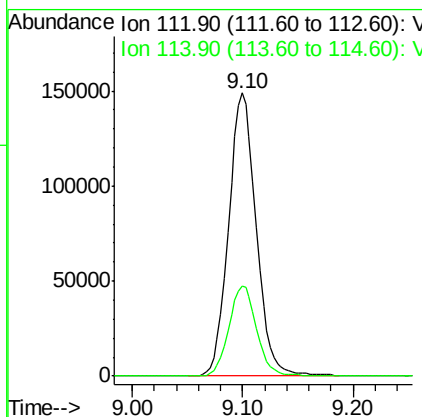
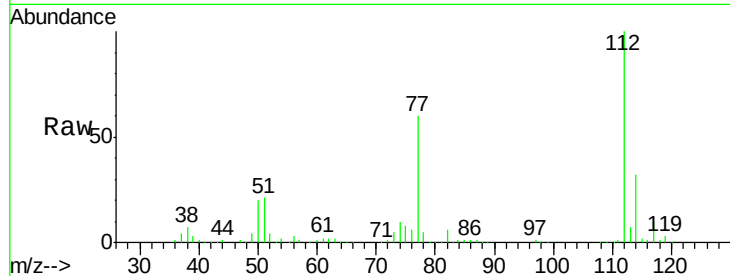
#65
Chlorobenzene
Concen: 19.850 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion:112 Resp: 258594
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

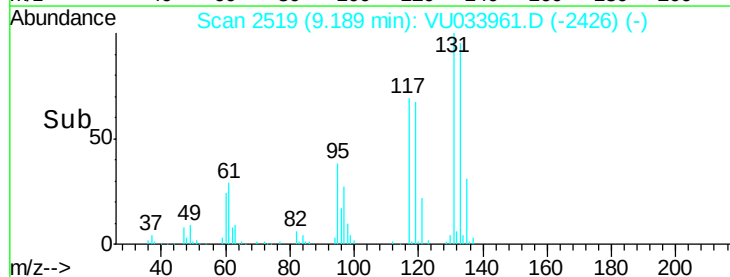
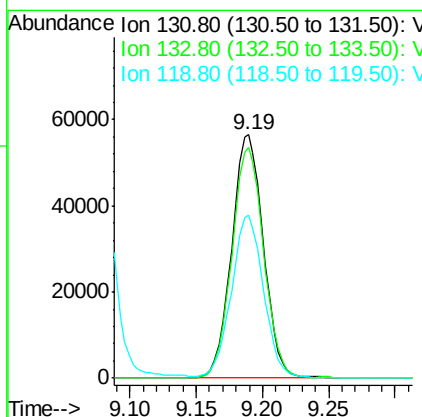
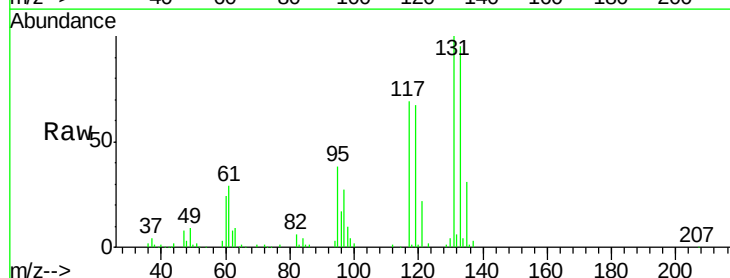
Manual Integrations
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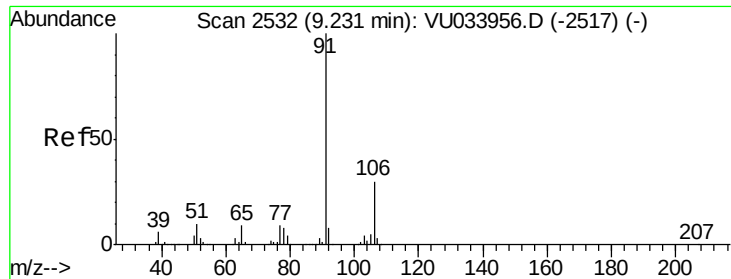
MMDadoda
8/27/2019 12:17:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.444 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion:131 Resp: 93713
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 67.5 33.3 99.8





#67

Ethyl Benzene

Concen: 20.274 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 91 Resp: 434181

Ion Ratio Lower Upper

91 100

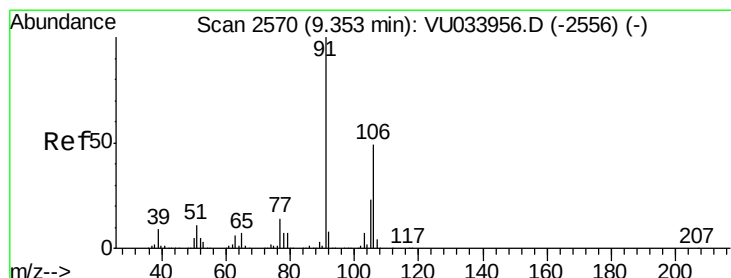
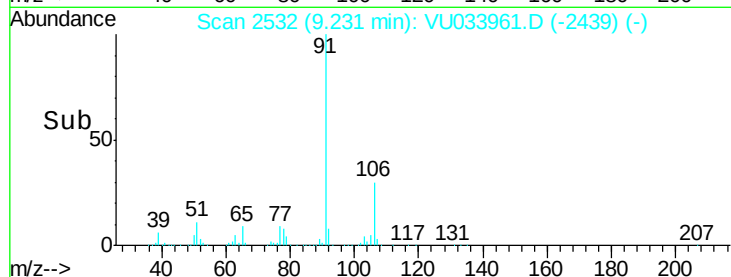
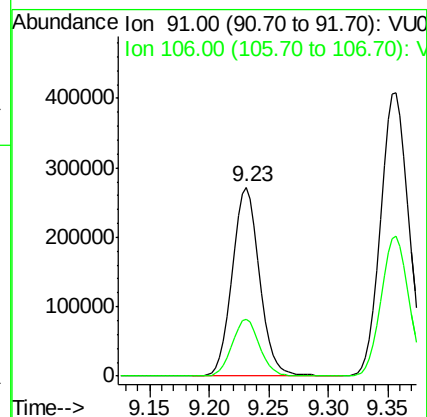
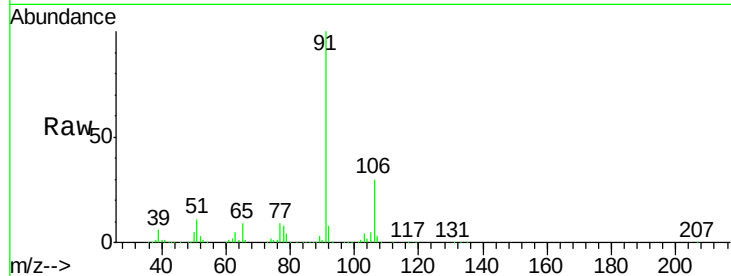
106 30.3 24.3 36.5

Manual Integrations

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8/27/2019 12:17:20 PM



#68

m/p-Xylenes

Concen: 41.973 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033961.D

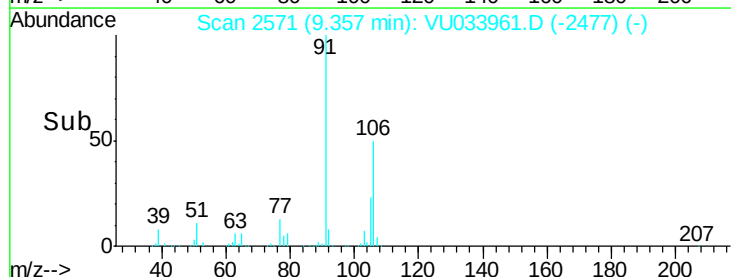
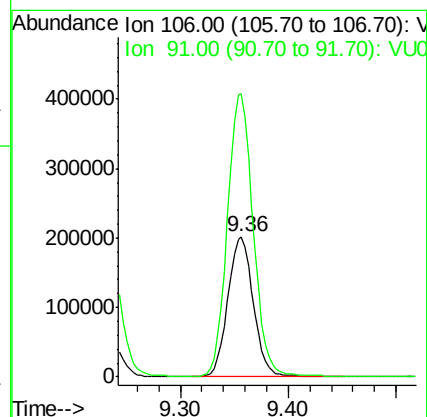
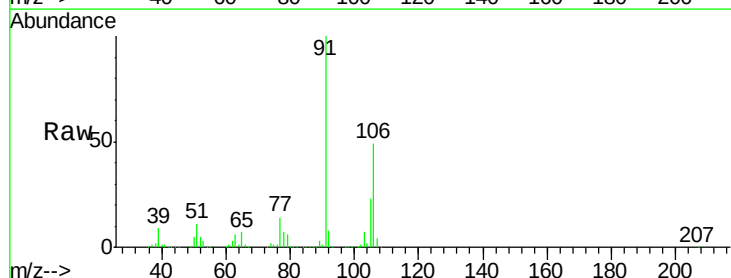
Acq: 26 Aug 2019 20:35

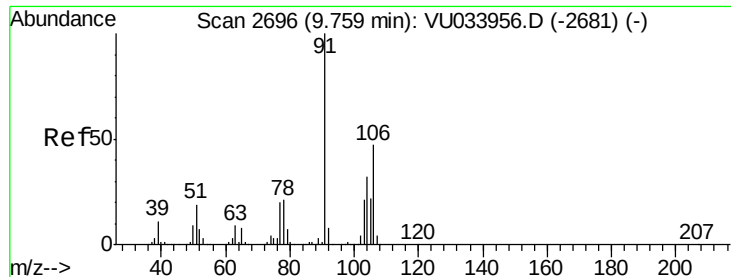
Tgt Ion: 106 Resp: 331024

Ion Ratio Lower Upper

106 100

91 205.0 163.8 245.6





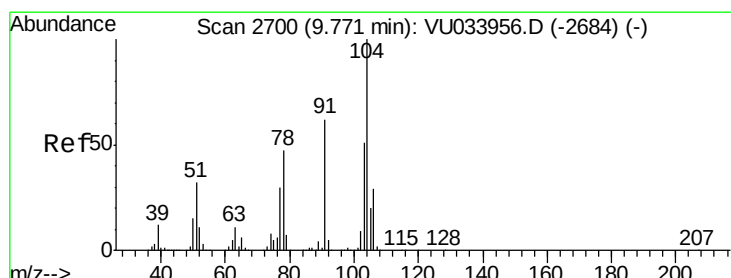
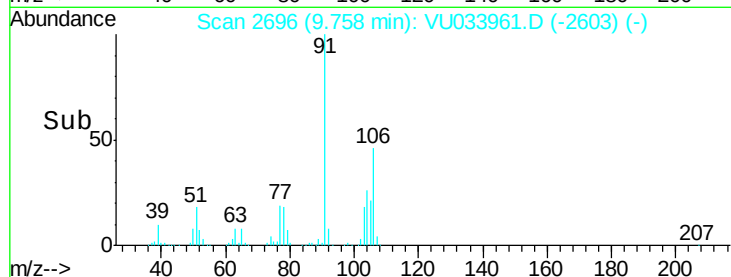
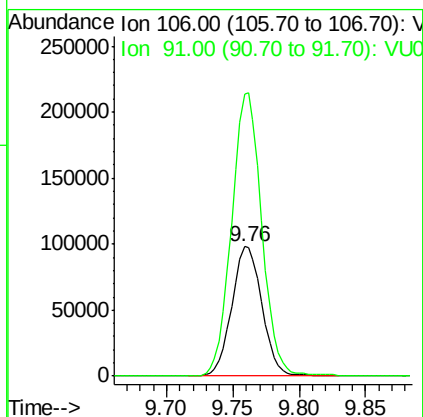
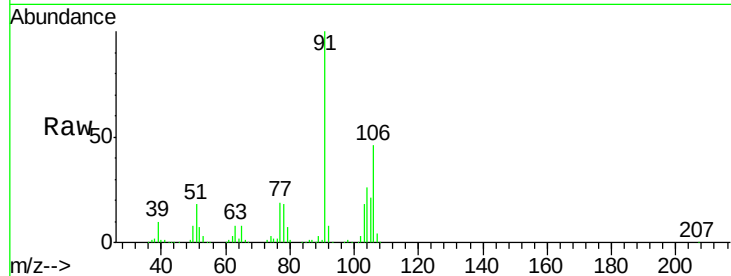
#69
o-Xylene
Concen: 20.632 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	155539		
91	219.1	106.9	320.7	

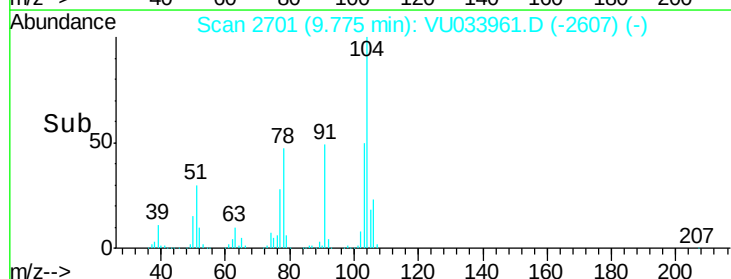
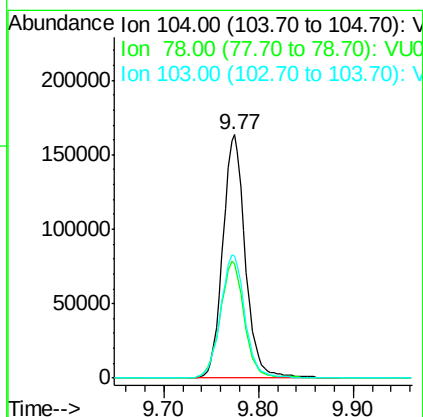
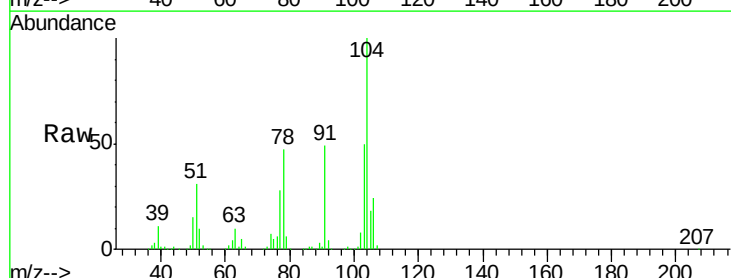
Manual Integrations
APPROVED

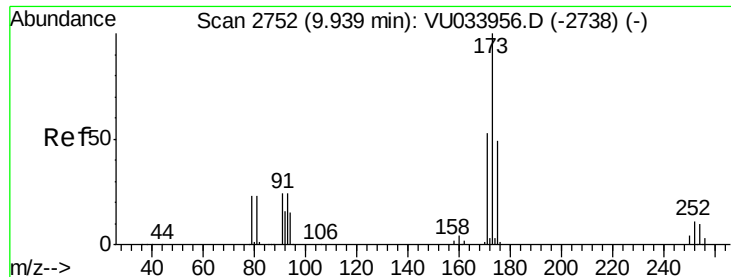
MMDadoda
8/27/2019 12:17:20 PM



#70
Styrene
Concen: 20.771 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	271244		
78	51.5	40.4	60.6	
103	54.3	43.8	65.6	





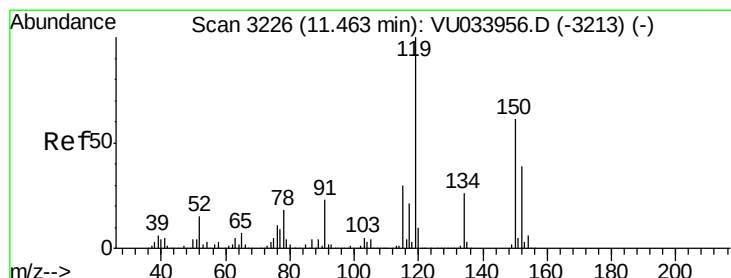
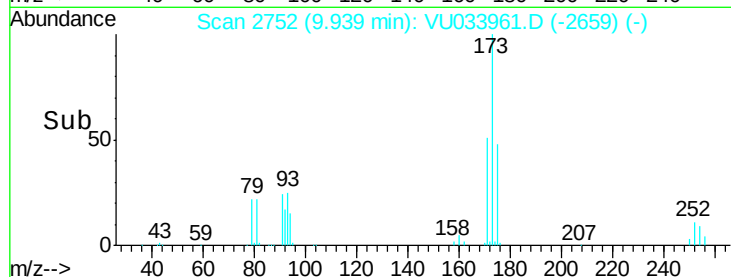
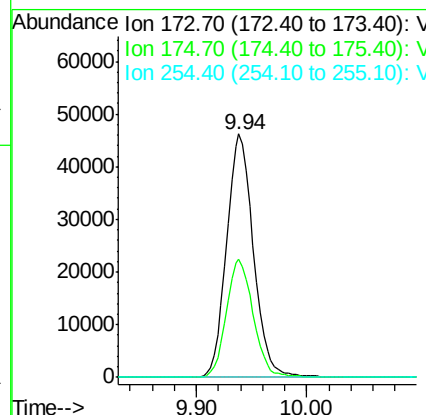
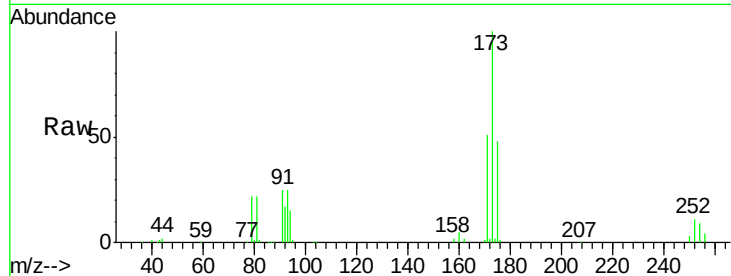
#71
Bromoform
Concen: 19.221 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Instrument :
MSVOA_U
ClientSampleId :
VU0827WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.8	74.3
254	0.0	0.1	0.1#

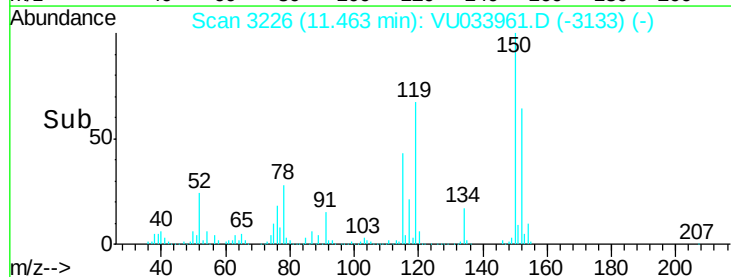
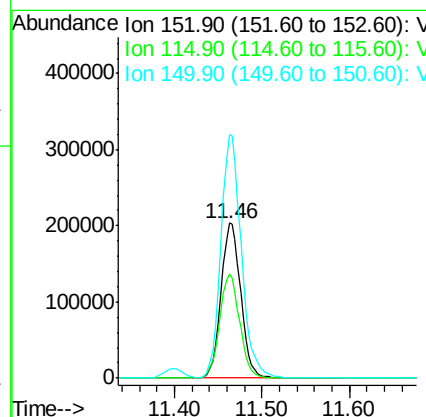
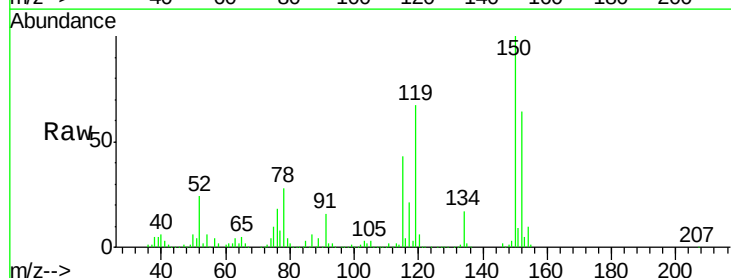
Manual Integrations
APPROVED

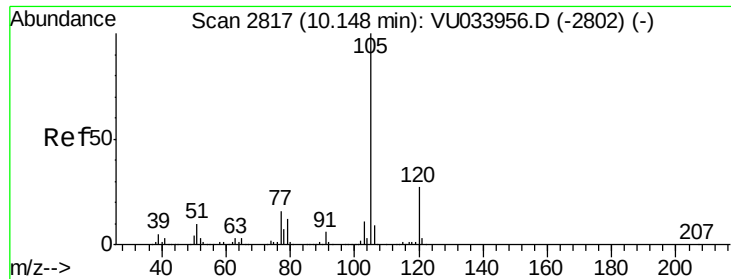
MMDadoda
8/27/2019 12:17:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU033961.D
Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.3	40.3	120.9
150	161.8	0.0	346.0





#73

Isopropylbenzene

Concen: 21.748 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion:105 Resp: 429623

Ion Ratio Lower Upper

105 100

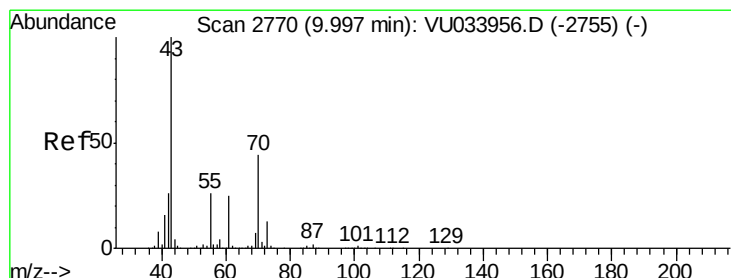
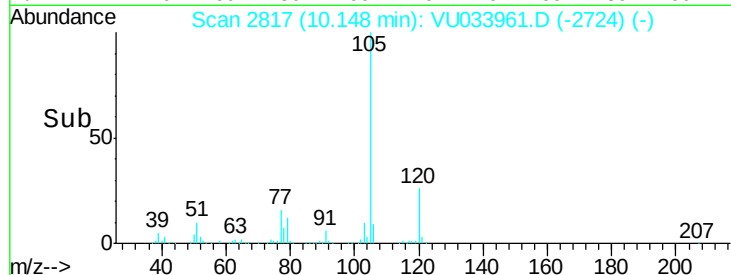
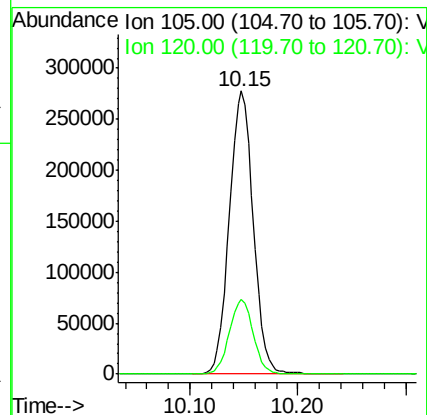
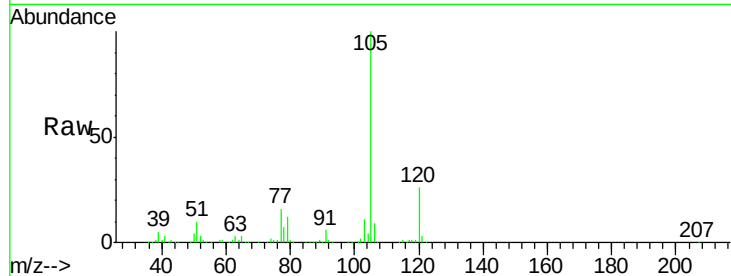
120 26.3 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.445 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion: 43 Resp: 189434

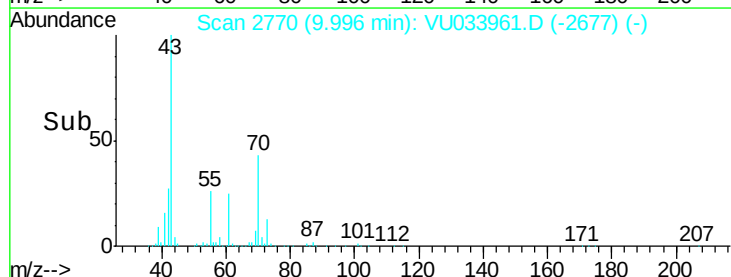
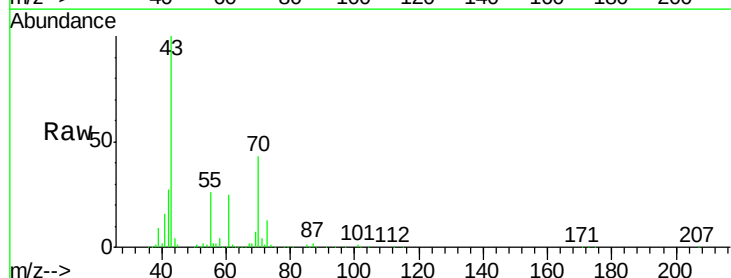
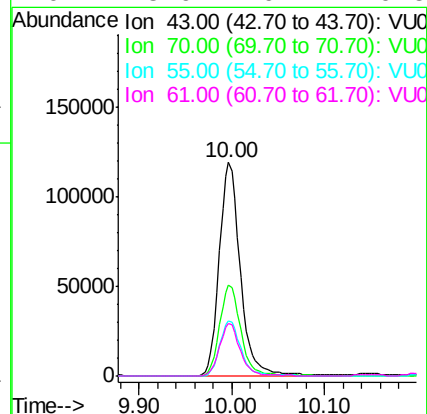
Ion Ratio Lower Upper

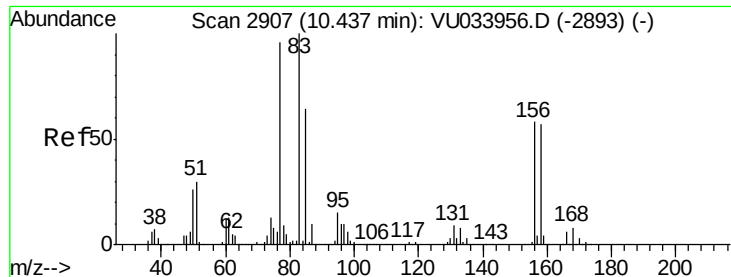
43 100

70 42.6 34.5 51.7

55 26.0 20.9 31.3

61 23.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.076 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

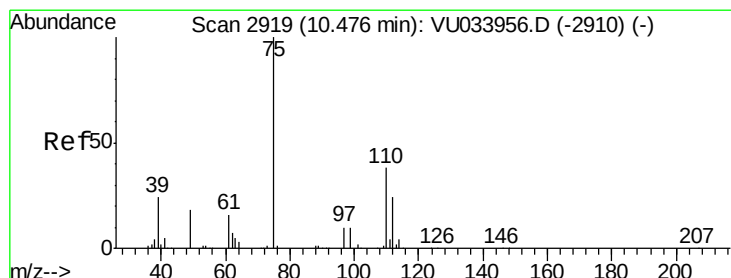
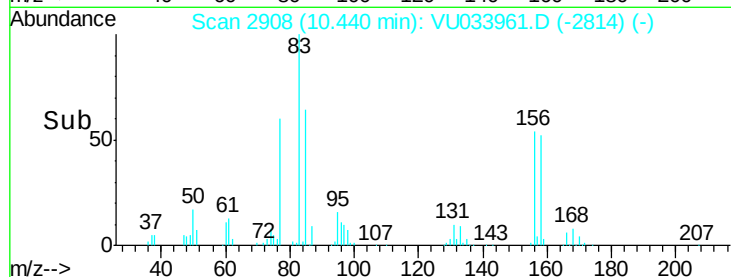
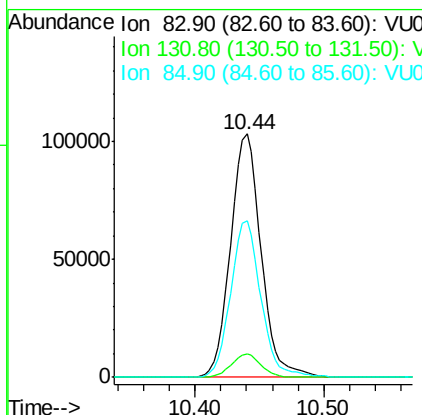
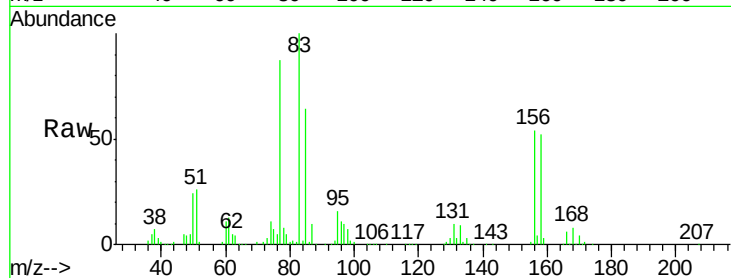
ClientSampled :

VU0827WBS01

Tot Ion:	83	Resp:	169716
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.9	32.4	97.0

Manual Integrations
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8/27/2019 12:17:20 PM



#76

1,2,3-Trichloropropane

Concen: 19.293 ug/l m

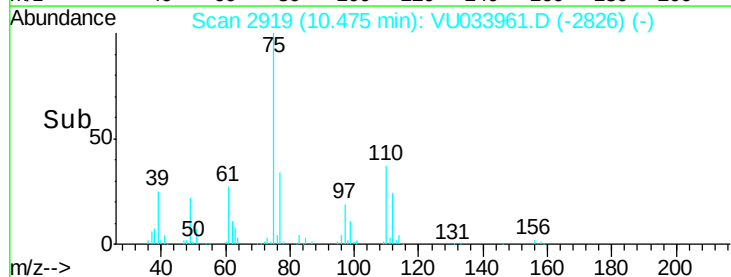
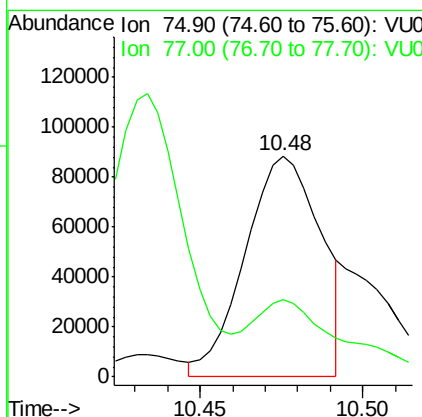
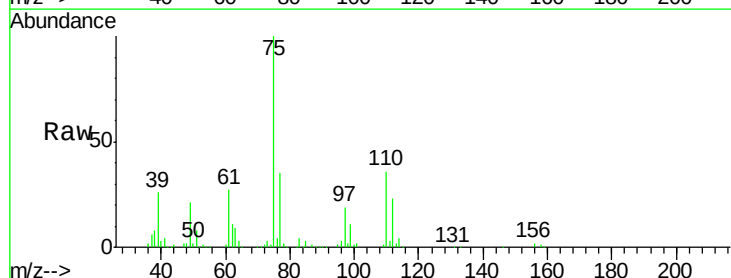
RT: 10.48 min Scan# 2919

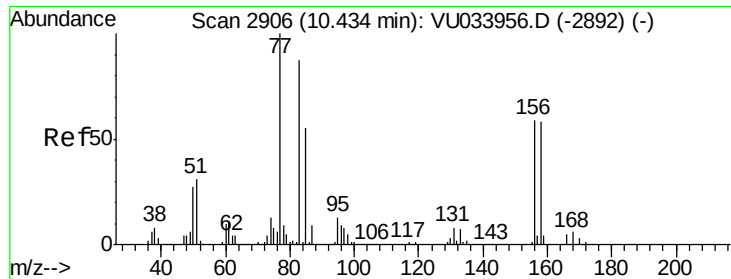
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	75	Resp:	142667
Ion Ratio	Lower	Upper	
75	100		
77	43.9	20.1	60.3





#77

Bromobenzene

Concen: 21.102 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

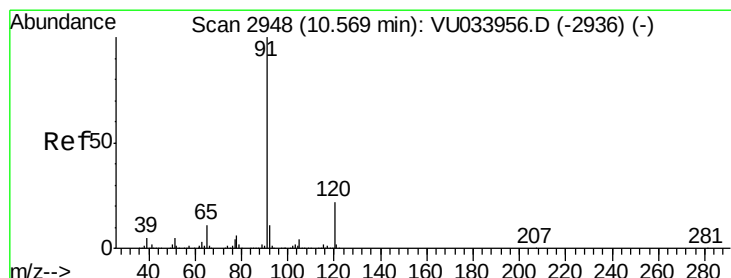
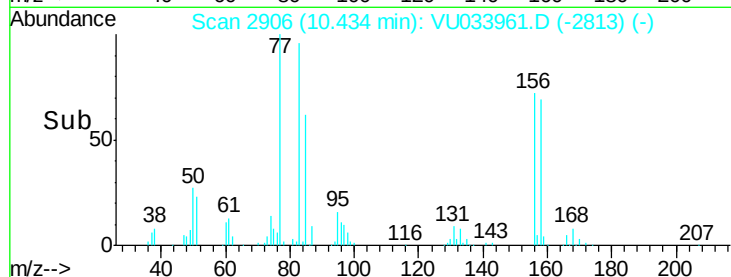
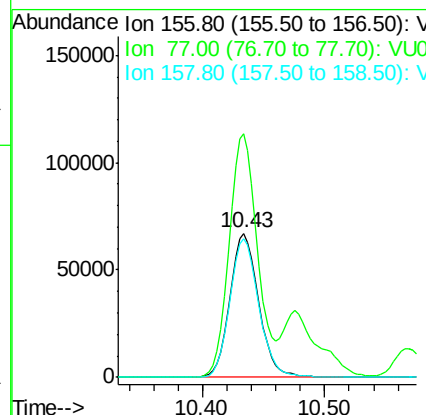
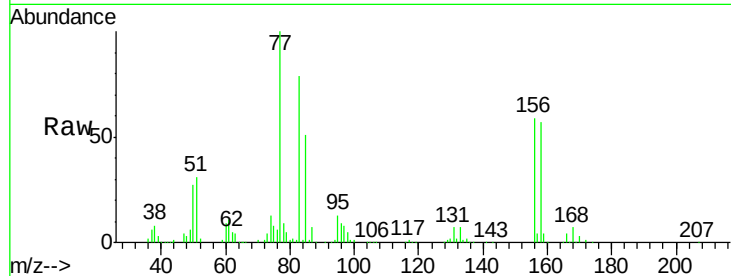
ClientSampleId :

VU0827WBS01

Tot Ion:	156	Resp:	111294
Ion Ratio	Lower	Upper	
156	100		
77	165.6	85.3	255.8
158	96.7	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 21.380 ug/l

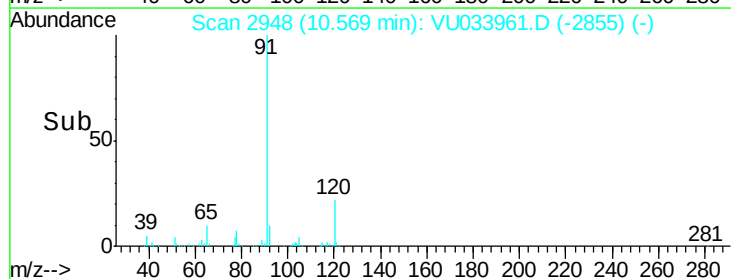
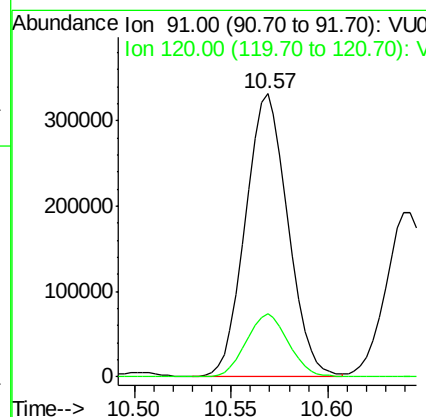
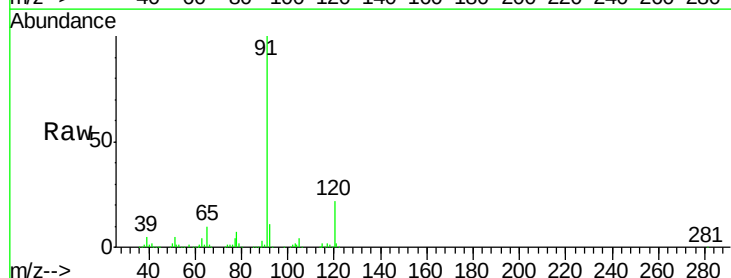
RT: 10.57 min Scan# 2948

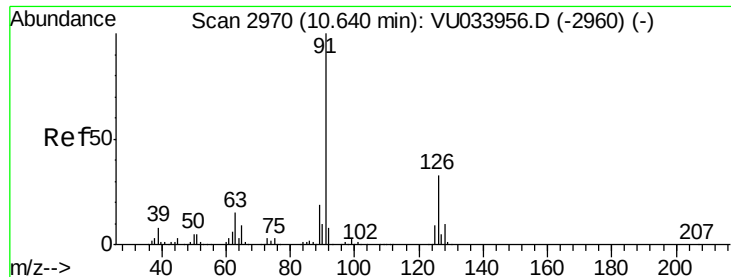
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	91	Resp:	504967
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 21.493 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion: 91 Resp: 304003

Ion Ratio Lower Upper

91 100

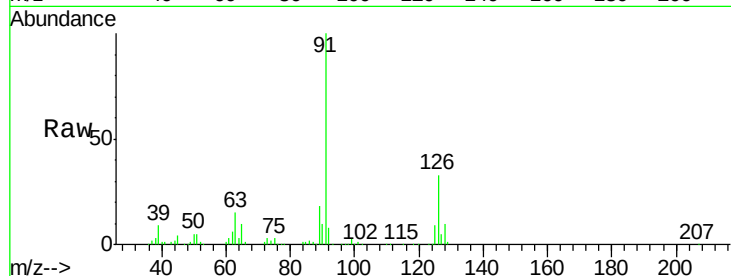
126 33.6 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): VU033956.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033956.D (-2960) (-)

300000

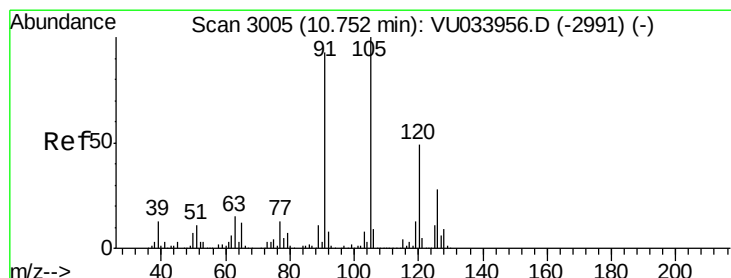
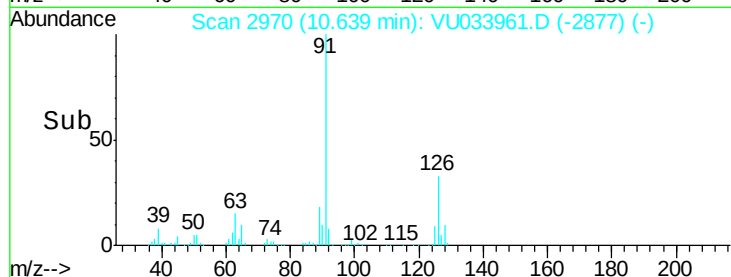
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.650 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033961.D

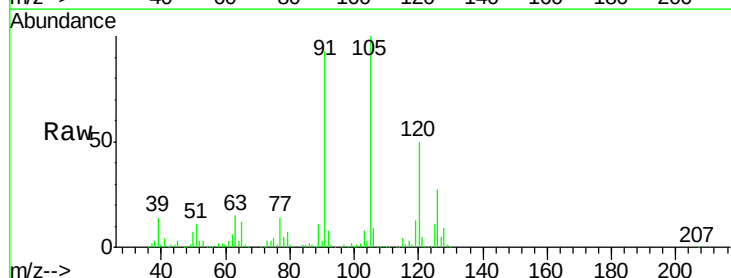
Acq: 26 Aug 2019 20:35

Tgt Ion:105 Resp: 365525

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033956.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033956.D (-2991) (-)

250000

200000

150000

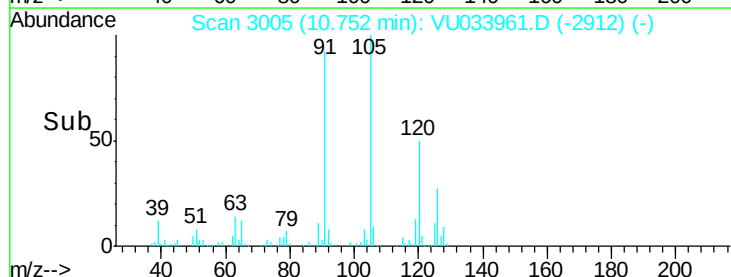
100000

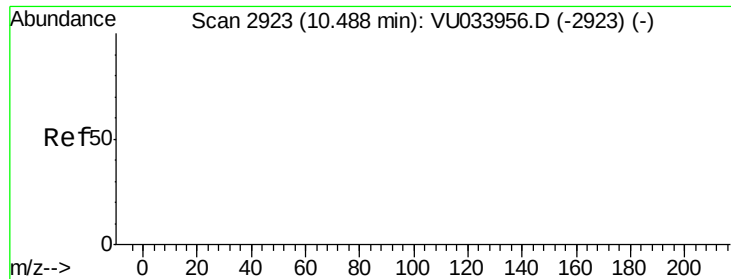
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.127 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

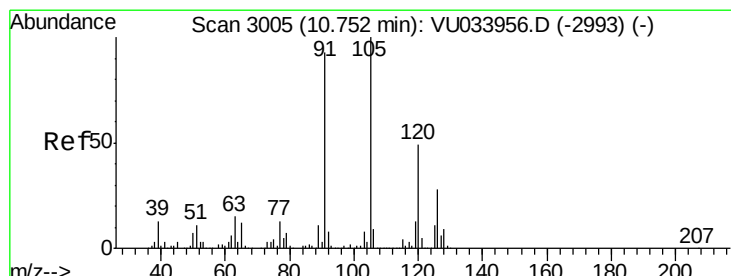
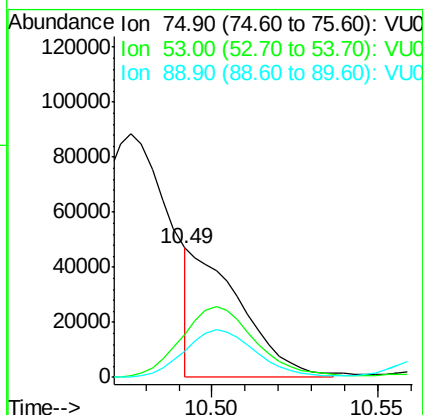
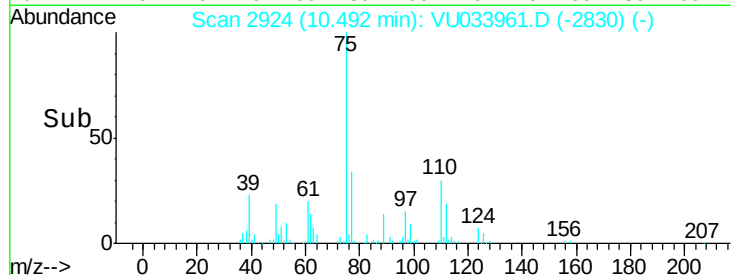
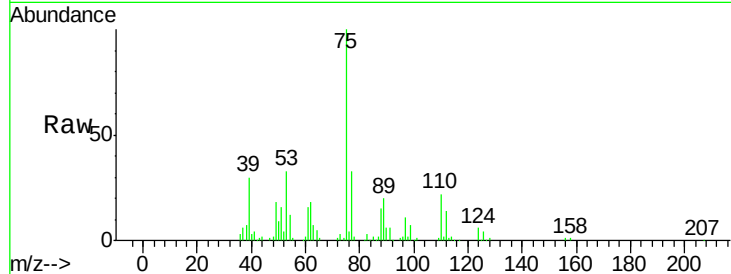
Instrument :
MSVOA_U

ClientSampleId :
VU0827WBS01

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.094 ug/l

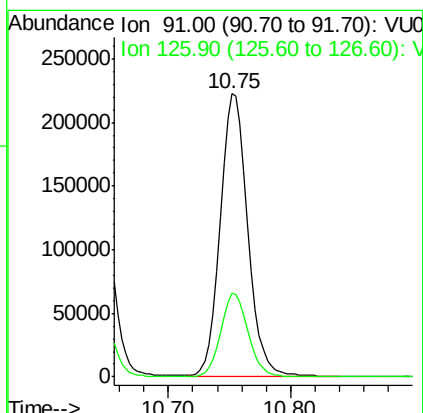
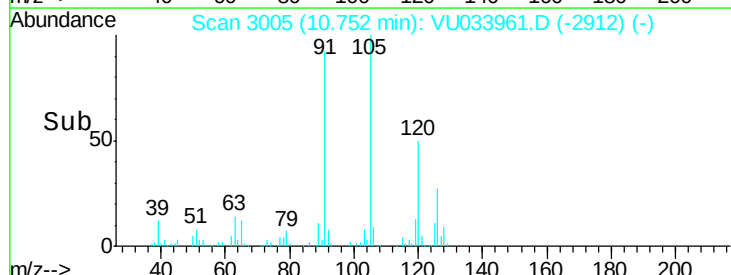
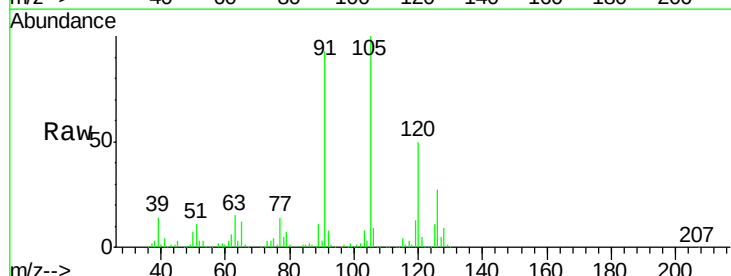
RT: 10.75 min Scan# 3005

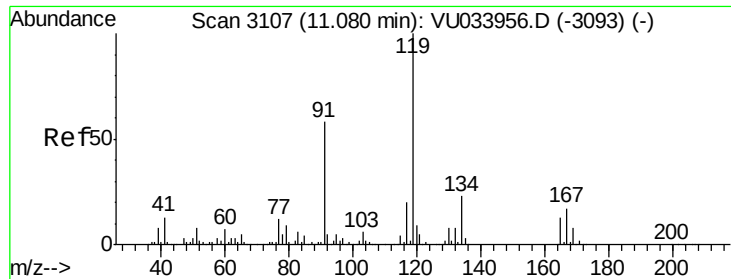
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.8	44.3





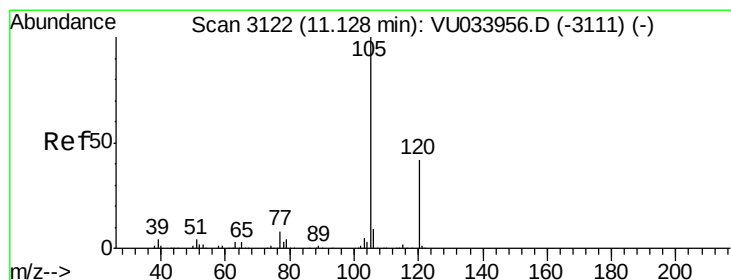
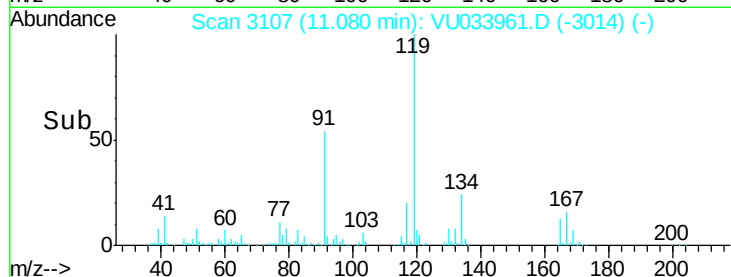
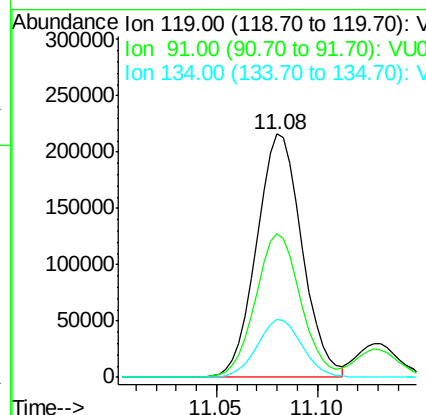
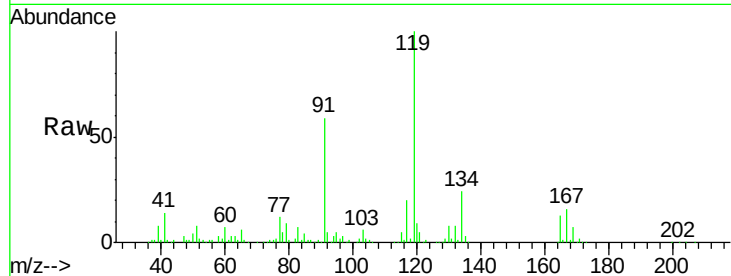
#83
 tert-Butylbenzene
 Concen: 21.543 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	340292		
91	58.5	28.6	85.8	
134	23.6	11.7	35.0	

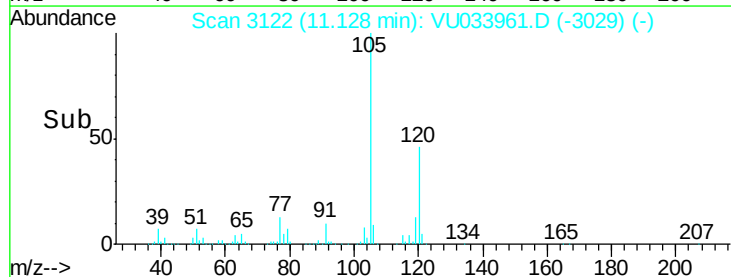
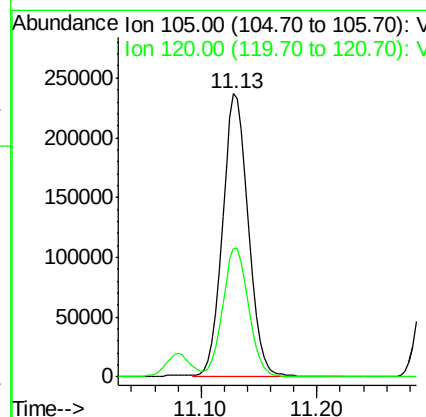
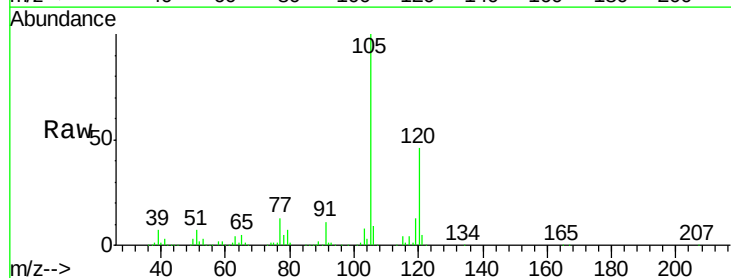
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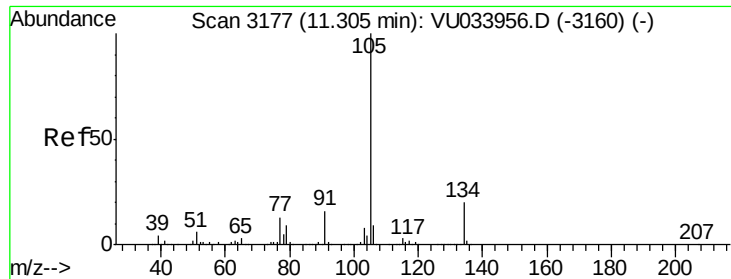
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.281 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366460		
120	45.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 21.533 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

ClientSampleId :

VU0827WBS01

Tot Ion:105 Resp: 426693

Ion Ratio Lower Upper

105 100

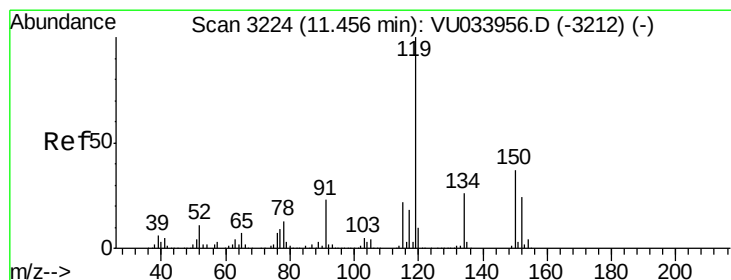
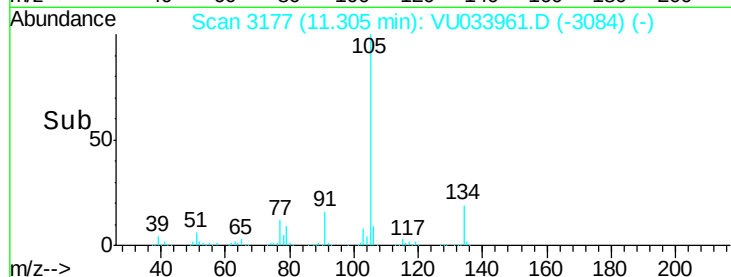
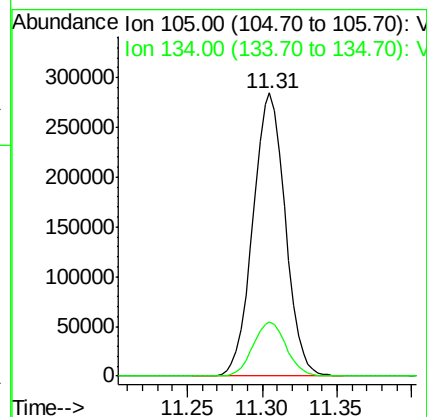
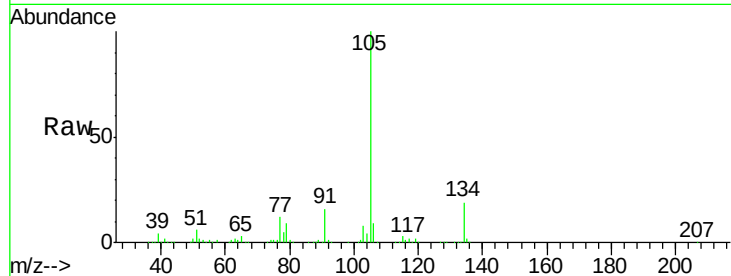
134 19.6 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.554 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

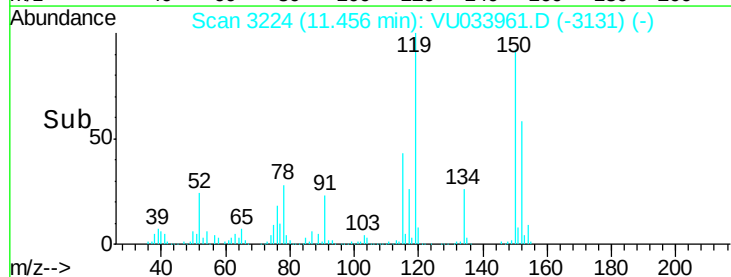
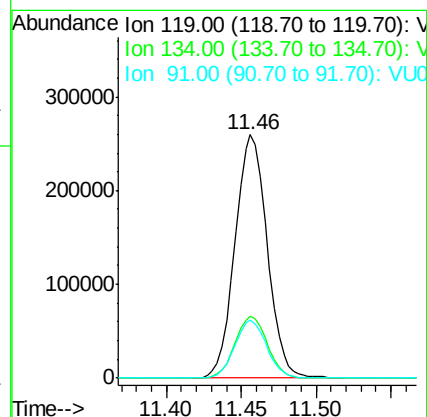
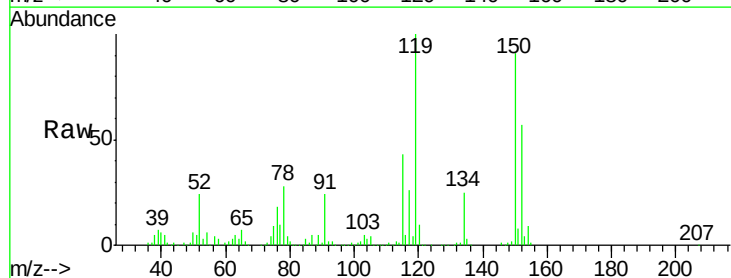
Tgt Ion:119 Resp: 387223

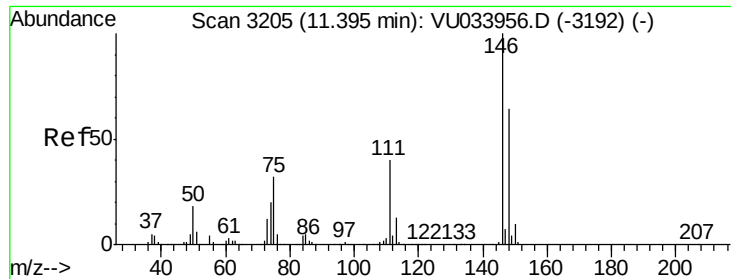
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.4 11.6 34.7





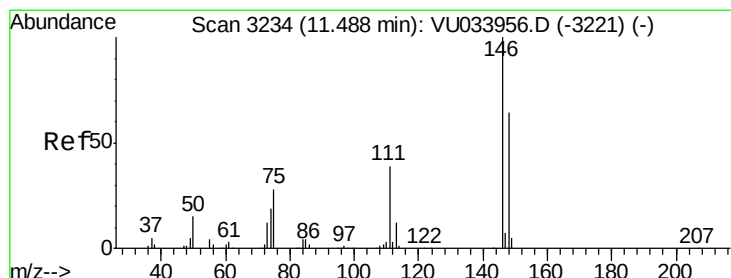
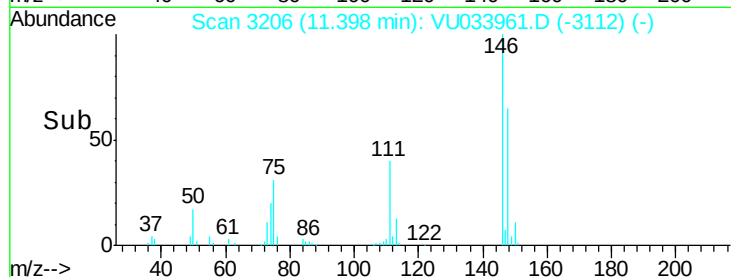
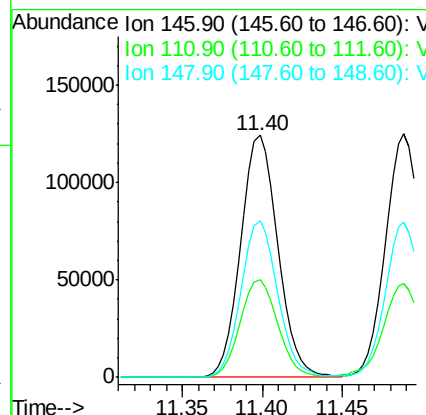
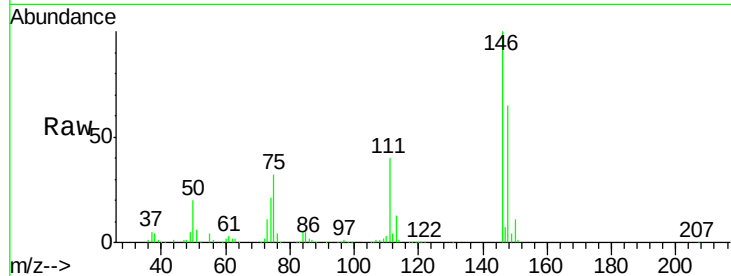
#87
 1,3-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	63.9	31.8	95.4

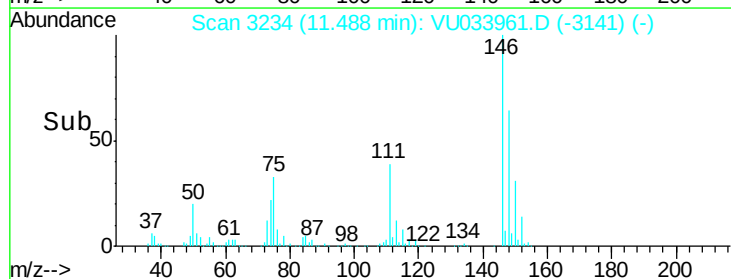
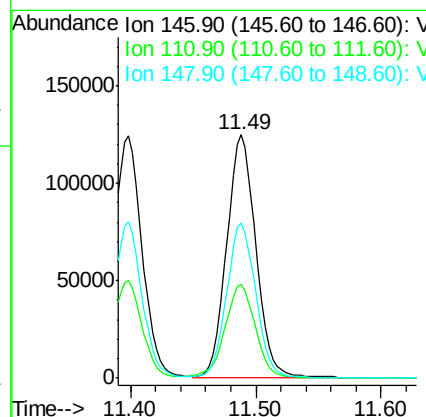
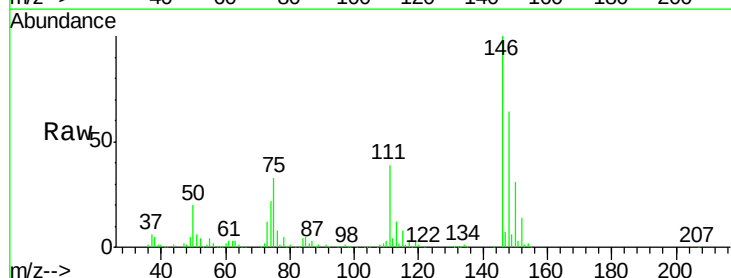
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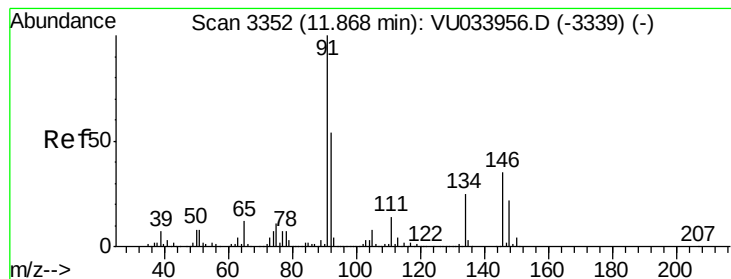
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#88
 1,4-Dichlorobenzene
 Concen: 19.441 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.8	59.4
148	63.5	32.2	96.6





#89

n-Butylbenzene

Concen: 19.375 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

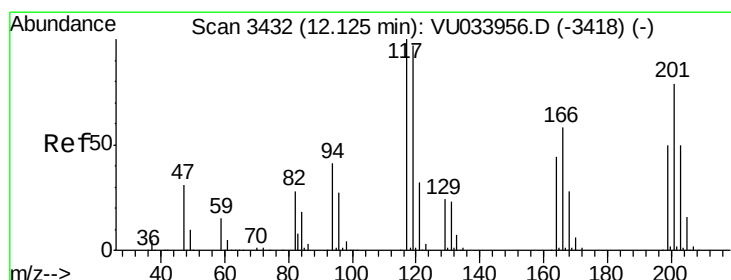
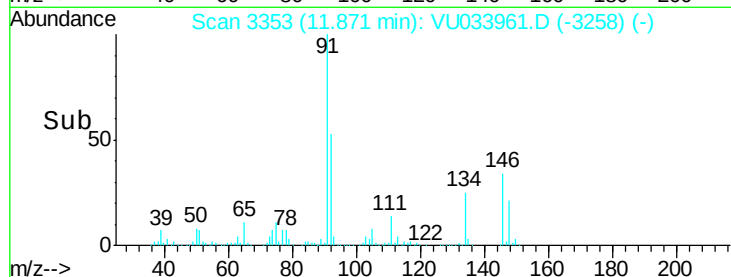
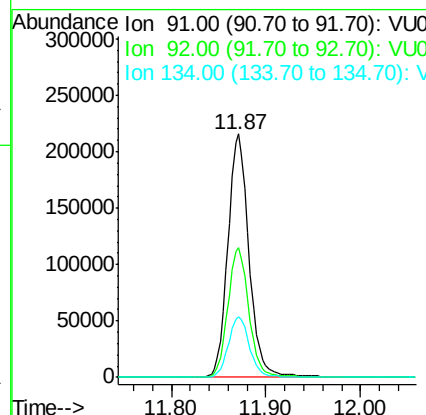
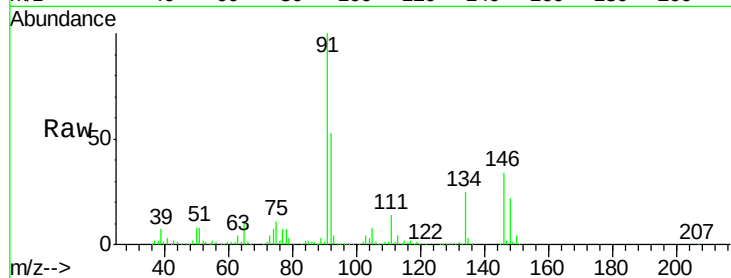
ClientSampleId :

VU0827WBS01

Tot Ion:	91	Resp:	335704
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.6
134	24.9	12.6	37.6

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#90

Hexachloroethane

Concen: 20.401 ug/l

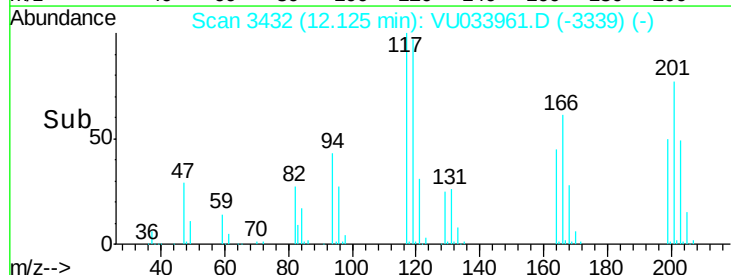
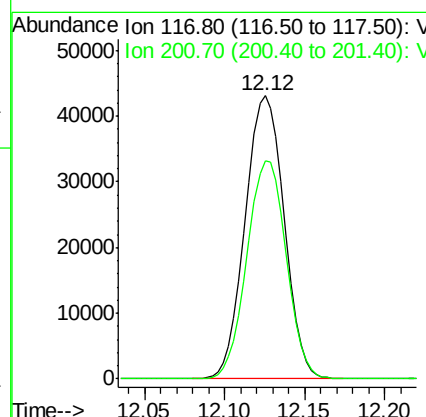
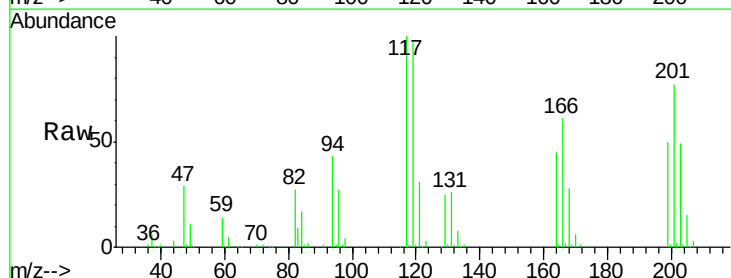
RT: 12.12 min Scan# 3432

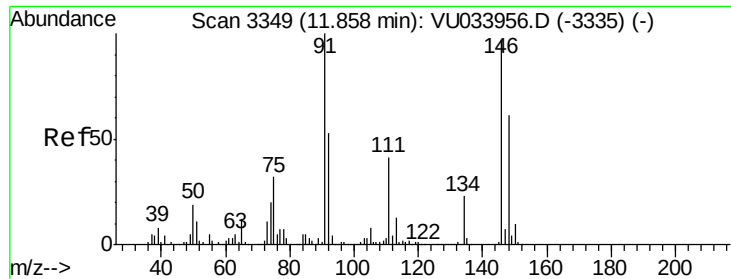
Delta R.T. -0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	117	Resp:	71777
Ion	Ratio	Lower	Upper
117	100		
201	77.8	39.6	118.7





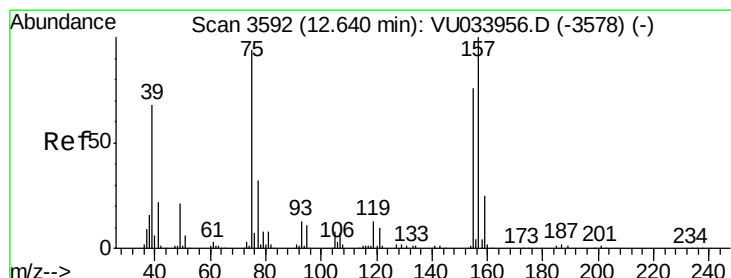
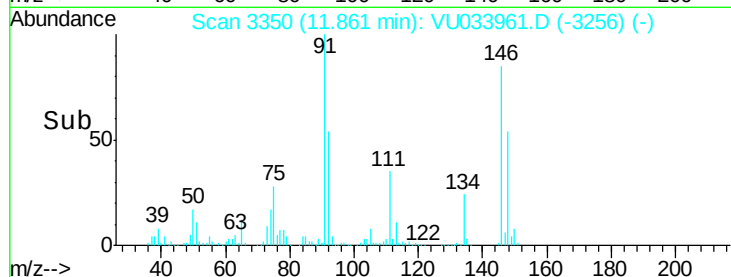
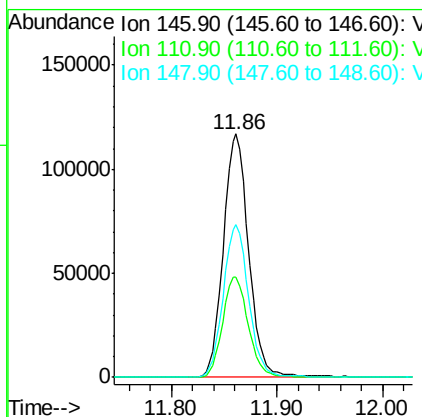
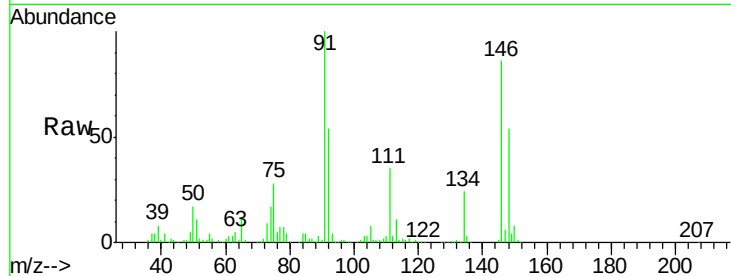
#91
 1,2-Dichlorobenzene
 Concen: 20.327 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	194356		
111	41.7	21.1	63.1	
148	62.8	31.7	95.1	

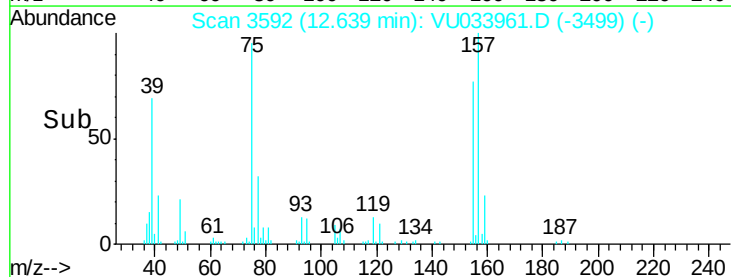
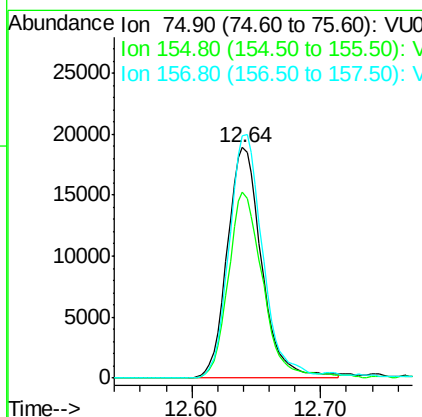
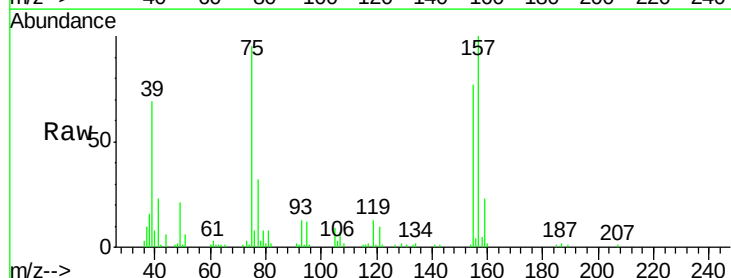
Manual Integrations
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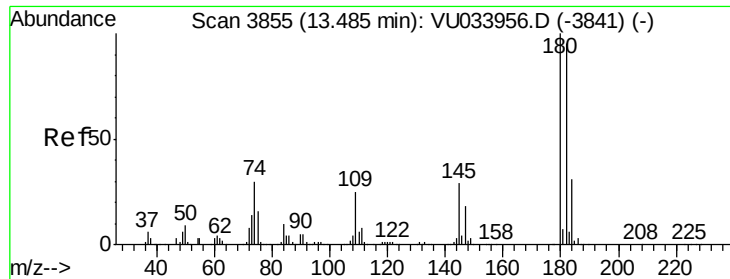
MMDadoda
 8/27/2019 12:17:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.173 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35009		
155	80.4	40.0	119.9	
157	102.9	51.9	155.7	





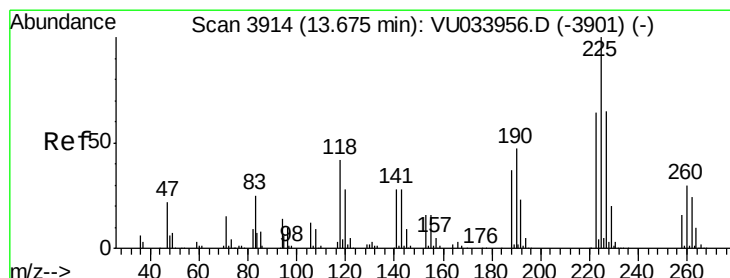
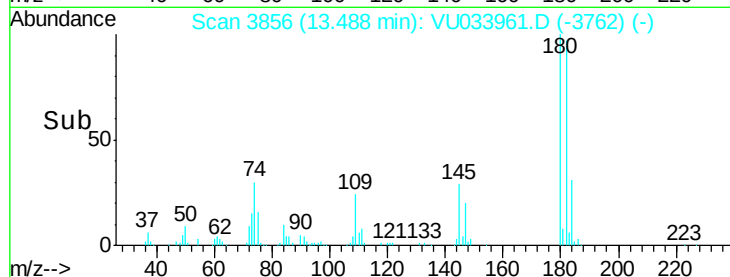
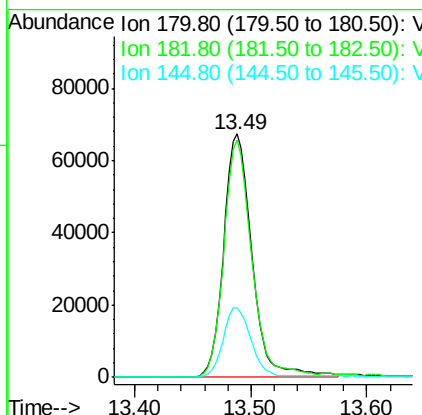
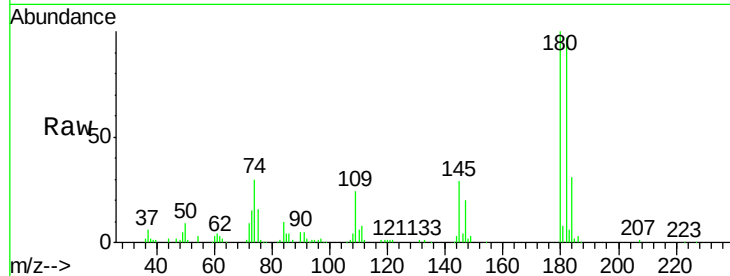
#93
 1,2,4-Trichlorobenzene
 Concen: 18.975 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	28.0	14.2	42.8

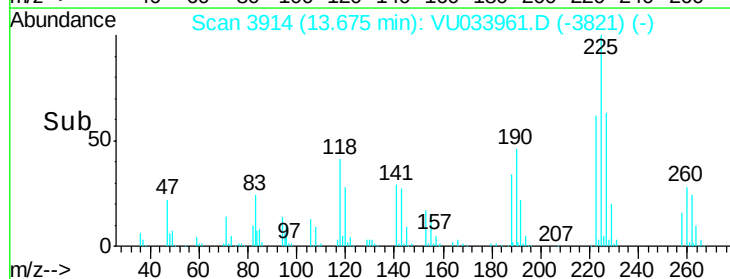
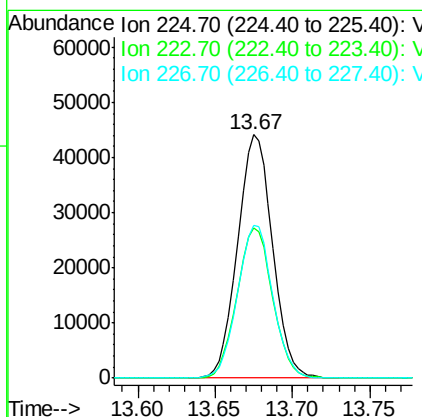
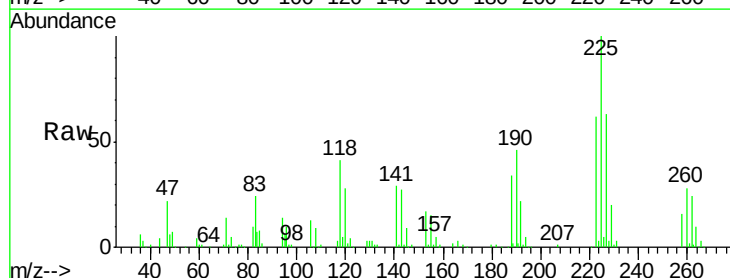
Manual Integrations
 APPROVED

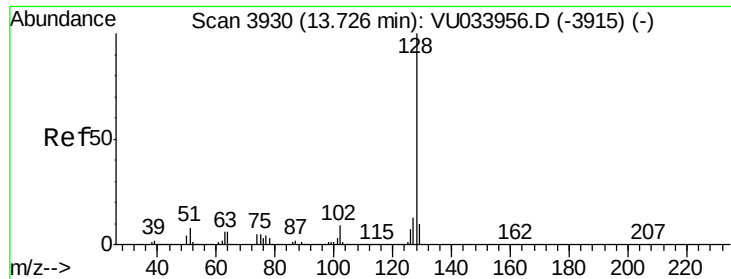
MMDadoda
 8/27/2019 12:17:20 PM



#94
 Hexachlorobutadiene
 Concen: 19.443 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033961.D
 Acq: 26 Aug 2019 20:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.0
227	63.1	32.3	96.8





#95

Naphthalene

Concen: 18.262 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Instrument :

MSVOA_U

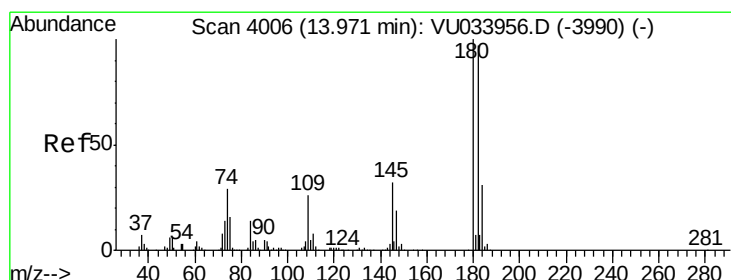
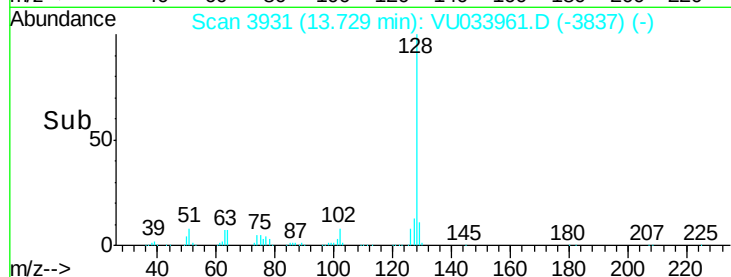
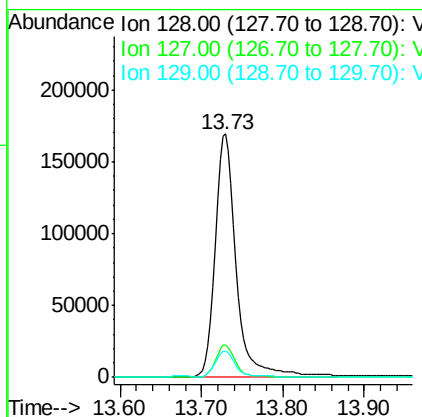
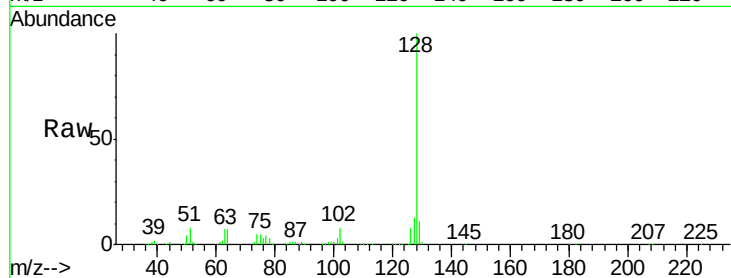
ClientSampleId :

VU0827WBS01

Tot Ion:	128	Resp:	312902
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.1	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/27/2019 12:17:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.442 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033961.D

Acq: 26 Aug 2019 20:35

Tgt Ion:	180	Resp:	117806
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.6	145.8
145	30.3	15.7	47.0

