

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033999.D
 Acq On : 28 Aug 2019 03:03
 Operator : JC/SP
 Sample : VU0828WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 10:00:48 AM

Quant Time: Aug 28 05:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	385468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	638068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	551771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	306883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	277640	64.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.66%	
35) Dibromofluoromethane	4.86	113	221931	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	7.55	98	856475	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	10.29	95	307175	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84590	21.818	ug/l	99
3) Chloromethane	1.32	50	116090	28.056	ug/l	100
4) Vinyl Chloride	1.40	62	112597	29.090	ug/l	100
5) Bromomethane	1.60	94	53658	22.809	ug/l	96
6) Chloroethane	1.68	64	46399	20.134	ug/l	97
7) Trichlorofluoromethane	1.87	101	97785	19.200	ug/l	99
8) Diethyl Ether	2.09	74	39179	20.281	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.27	101	67203	20.661	ug/l	95
10) Methyl Iodide	2.40	142	100795	20.693	ug/l	96
11) Tert butyl alcohol	2.81	59	134806	121.534	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	70443	20.750	ug/l	95
13) Acrolein	2.18	56	36119	102.537	ug/l	99
14) Allyl chloride	2.58	41	151173m	25.149	ug/l	
15) Acrylonitrile	2.92	53	276794	123.442	ug/l	99
16) Acetone	2.31	43	238768	116.483	ug/l	97
17) Carbon Disulfide	2.46	76	247080	22.163	ug/l	100
18) Methyl Acetate	2.60	43	135889	26.915	ug/l	94
19) Methyl tert-butyl Ether	2.98	73	264176	23.164	ug/l	95
20) Methylene Chloride	2.68	84	97023	22.310	ug/l	92
21) trans-1,2-Dichloroethene	2.96	96	85091	21.983	ug/l	90
22) Diisopropyl ether	3.55	45	295304	26.738	ug/l	93
23) Vinyl Acetate	3.50	43	1233263	131.440	ug/l	96
24) 1,1-Dichloroethane	3.42	63	166835	24.128	ug/l	98
25) 2-Butanone	4.24	43	374481	127.448	ug/l	93
26) 2,2-Dichloropropane	4.20	77	104716	17.910	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	96415	22.252	ug/l	95
28) Bromochloromethane	4.52	49	87666	27.555	ug/l	83
29) Tetrahydrofuran	4.61	42	238415	129.726	ug/l	92
30) Chloroform	4.65	83	159394	22.512	ug/l	97
31) Cyclohexane	4.97	56	153754	24.350	ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	135392	22.714	ug/l	96
36) 1,1-Dichloropropene	5.11	75	117564	20.117	ug/l	97
37) Ethyl Acetate	4.36	43	136913	23.357	ug/l	98
38) Carbon Tetrachloride	5.11	117	116224	19.514	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	129776	18.767	ug/l	95
40) Benzene	5.37	78	360032	20.720	ug/l	100
41) Methacrylonitrile	4.52	41	71804	23.640	ug/l	95
42) 1,2-Dichloroethane	5.38	62	131725	22.418	ug/l	97
43) Isopropyl Acetate	5.53	43	209351	23.293	ug/l	96
44) Trichloroethene	6.17	130	90246	18.215	ug/l	91
45) 1,2-Dichloropropane	6.41	63	101991	21.940	ug/l	97
46) Dibromomethane	6.54	93	63965	20.233	ug/l	92
47) Bromodichloromethane	6.74	83	124505	20.677	ug/l	99
48) Methyl methacrylate	6.60	41	100866	23.604	ug/l	92
49) 1,4-Dioxane	6.59	88	46761	398.731	ug/l #	93
51) 4-Methyl-2-Pentanone	7.44	43	732441	118.197	ug/l	95
52) Toluene	7.62	92	225798	20.609	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	129486	19.446	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	145607	20.228	ug/l #	92
55) 1,1,2-Trichloroethane	8.05	97	80706	17.433	ug/l	97
56) Ethyl methacrylate	8.00	69	115470	17.540	ug/l	98
57) 1,3-Dichloropropane	8.22	76	136597	18.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	269985	109.231	ug/l	94
59) 2-Hexanone	8.34	43	439095	92.187	ug/l	96
60) Dibromochloromethane	8.46	129	85760	16.473	ug/l	100
61) 1,2-Dibromoethane	8.57	107	82632	16.901	ug/l	100
64) Tetrachloroethene	8.21	164	75039	16.914	ug/l	95
65) Chlorobenzene	9.10	112	216996	19.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	80575	19.021	ug/l	100
67) Ethyl Benzene	9.23	91	377695	19.937	ug/l	99
68) m/p-Xylenes	9.36	106	295726	40.477	ug/l	98
69) o-Xylene	9.76	106	147055	21.053	ug/l	96
70) Styrene	9.77	104	258613	21.633	ug/l	98
71) Bromoform	9.94	173	72408	19.309	ug/l #	100
73) Isopropylbenzene	10.15	105	404149	20.462	ug/l	100
74) N-amyl acetate	10.00	43	182378	24.599	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	156605	22.015	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	134847m	22.053	ug/l	
77) Bromobenzene	10.43	156	107278	19.221	ug/l	90
78) n-propylbenzene	10.57	91	470731	21.016	ug/l	97
79) 2-Chlorotoluene	10.64	91	287854	21.298	ug/l	96
80) 1,3,5-Trimethylbenzene	10.76	105	355702	21.028	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	45457m	21.293	ug/l	
82) 4-Chlorotoluene	10.76	91	330243	21.107	ug/l	97
83) tert-Butylbenzene	11.08	119	329490	20.066	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	349624	21.053	ug/l	97
85) sec-Butylbenzene	11.31	105	402259	20.526	ug/l	98
86) p-Isopropyltoluene	11.46	119	357614	19.496	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	186706	18.857	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	184641	18.477	ug/l	97
89) n-Butylbenzene	11.87	91	302852	19.754	ug/l	97
90) Hexachloroethane	12.13	117	60543	19.955	ug/l	86
91) 1,2-Dichlorobenzene	11.86	146	183271	18.804	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31885	22.377	ug/l	84

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QLast Update : Wed Aug 28 02:42:03 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	105935	16.657	ug/l	99
94) Hexachlorobutadiene	13.67	225	64203	16.068	ug/l	98
95) Naphthalene	13.73	128	304891	17.507	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	110603	17.759	ug/l	98

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

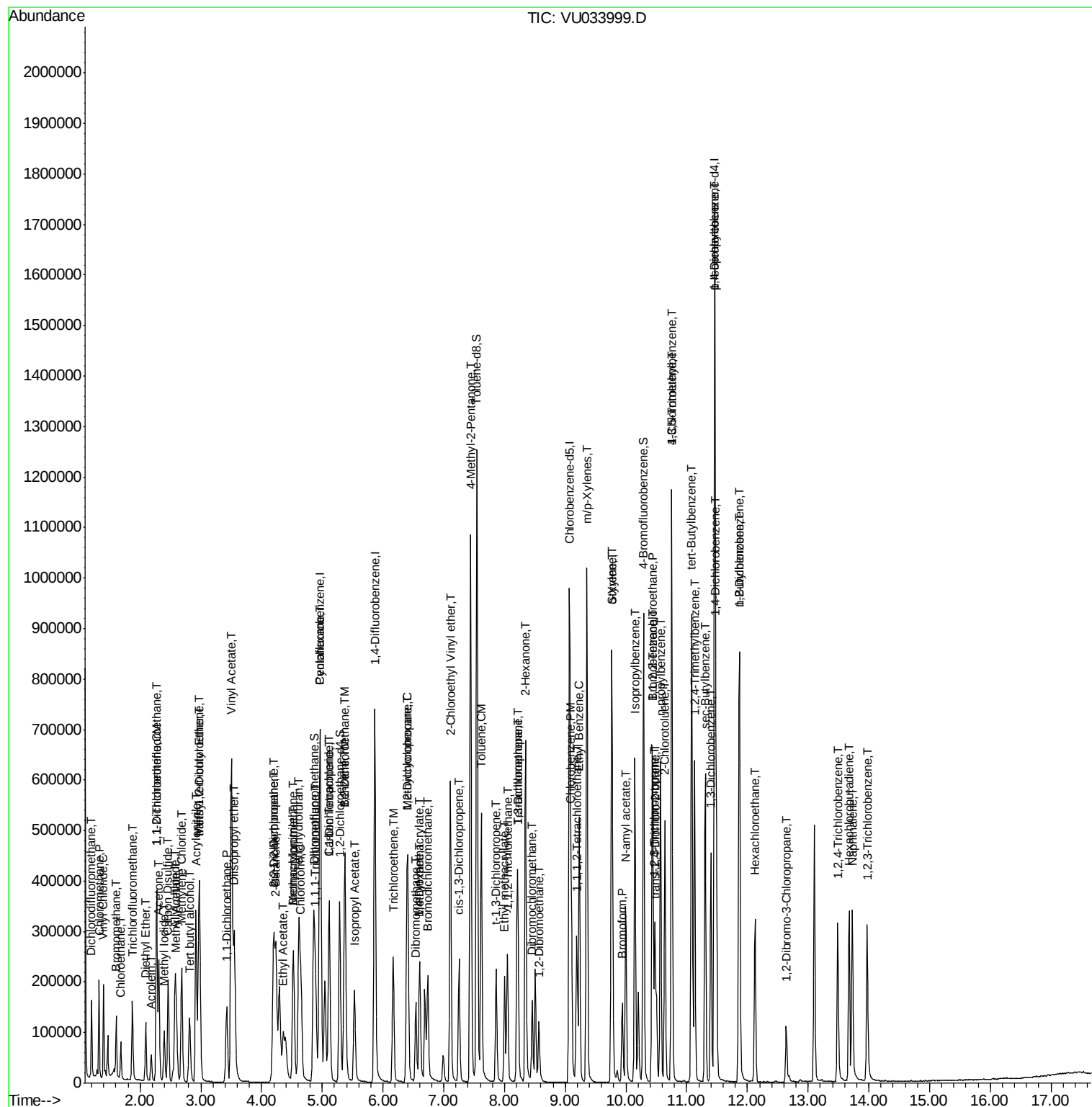
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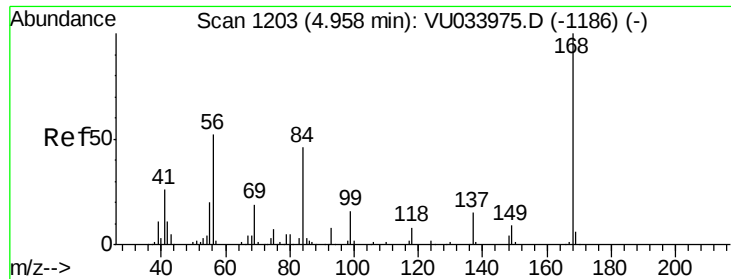
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion:168 Resp: 385468

Ion Ratio Lower Upper

168 100

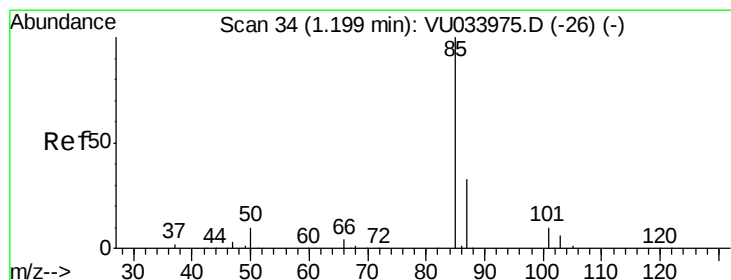
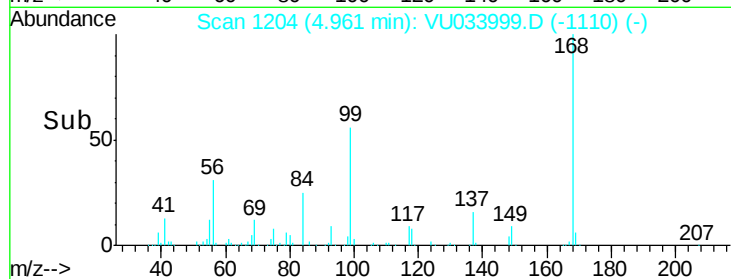
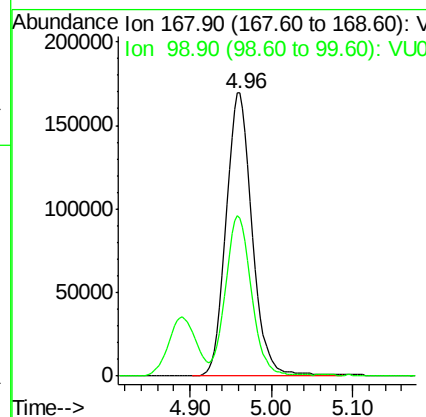
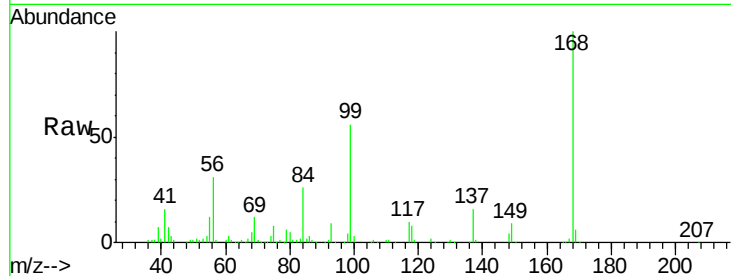
99 55.3 39.4 59.2

Manual Integrations

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8/28/2019 10:00:48 AM



#2

Dichlorodifluoromethane

Concen: 21.818 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033999.D

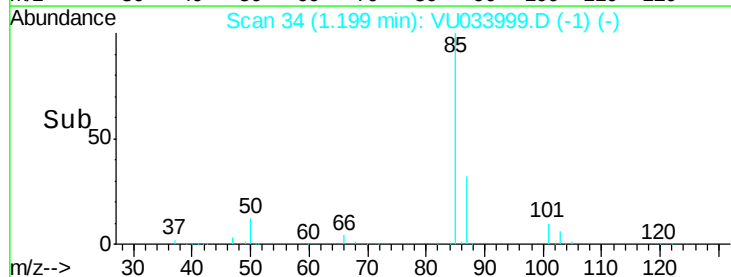
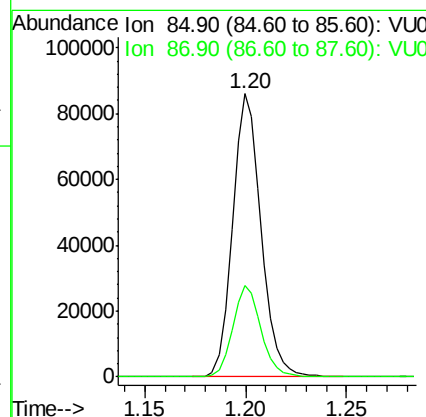
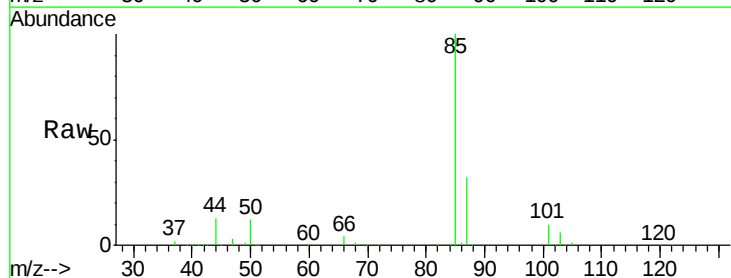
Acq: 28 Aug 2019 03:03

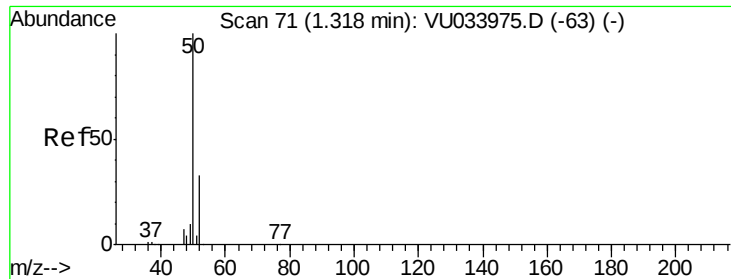
Tgt Ion: 85 Resp: 84590

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2





#3

Chloromethane

Concen: 28.056 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 50 Resp: 116090

Ion Ratio Lower Upper

50 100

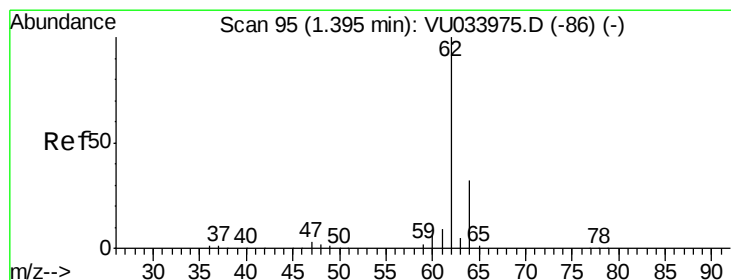
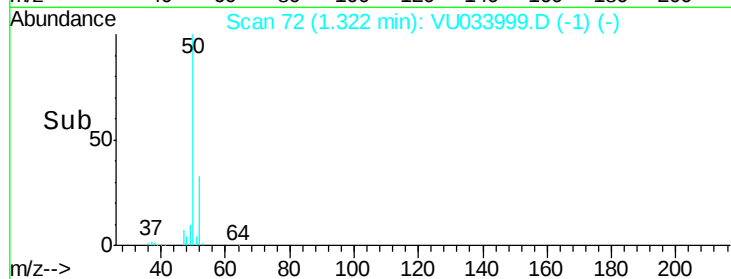
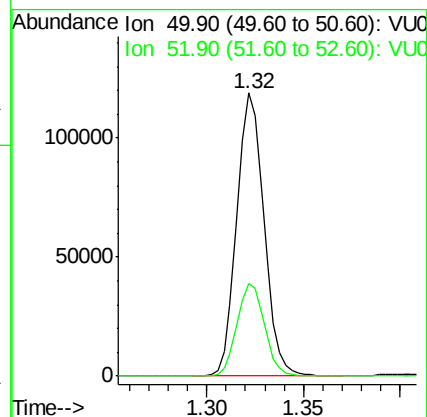
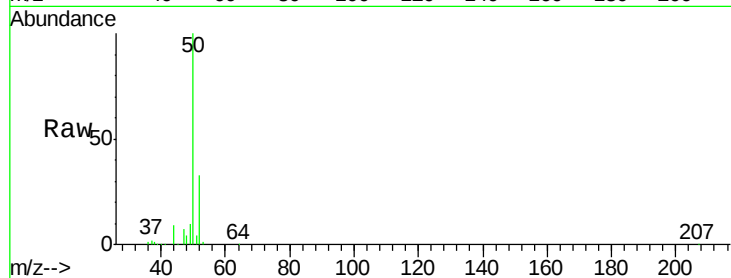
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 29.090 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033999.D

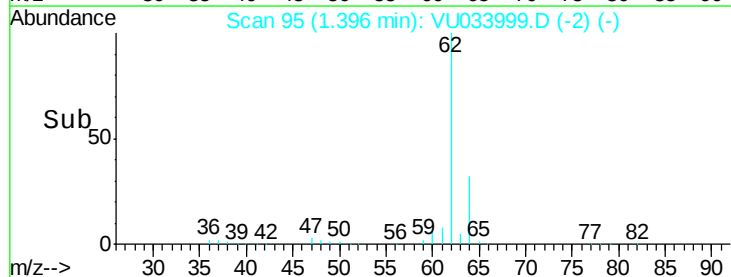
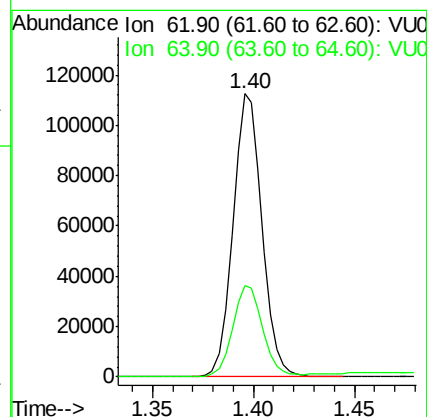
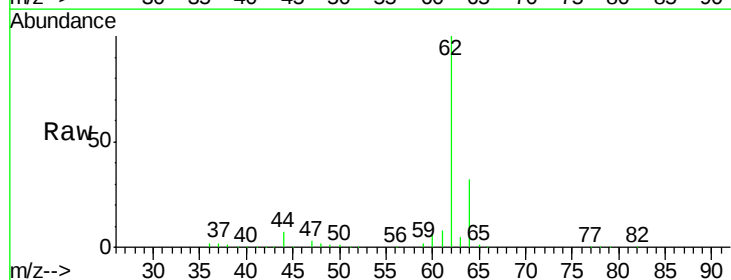
Acq: 28 Aug 2019 03:03

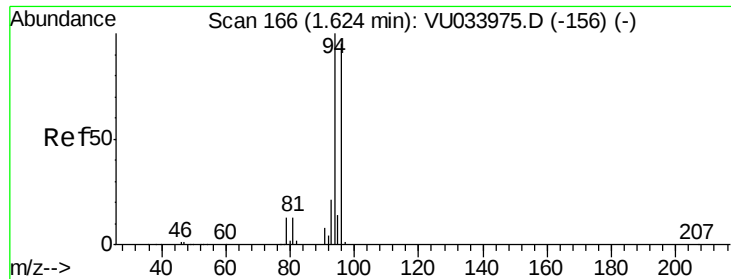
Tgt Ion: 62 Resp: 112597

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 22.809 ug/l

RT: 1.60 min Scan# 160

Delta R.T. -0.02 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

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ClientSampleId :

VU0828WBSD02

Tot Ion: 94 Resp: 53658

Ion Ratio Lower Upper

94 100

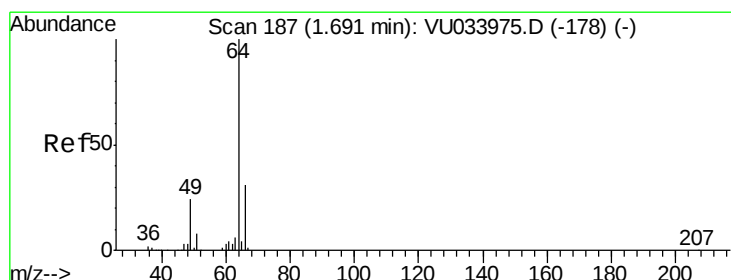
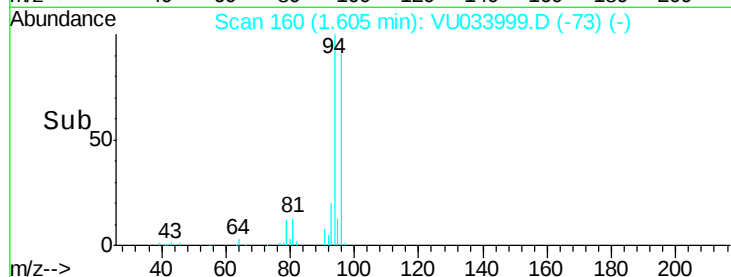
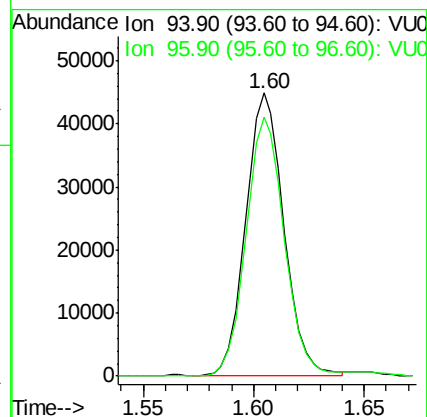
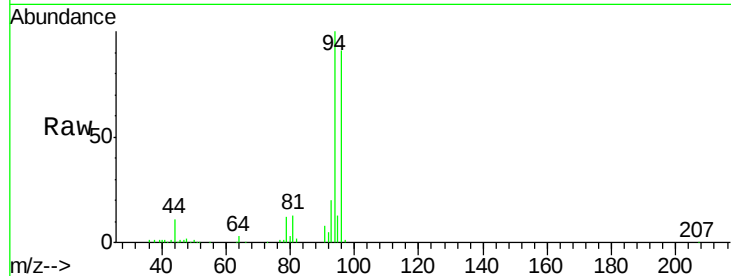
96 91.4 76.3 114.5

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8/28/2019 10:00:48 AM



#6

Chloroethane

Concen: 20.134 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU033999.D

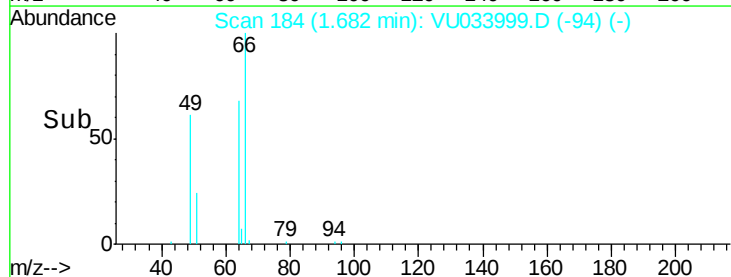
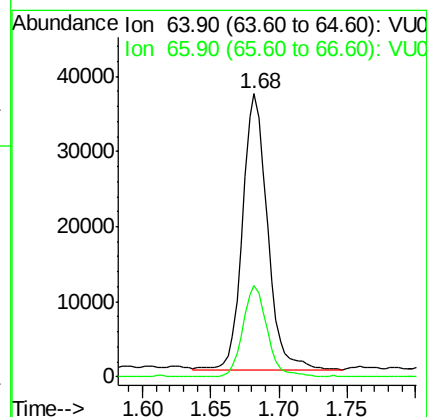
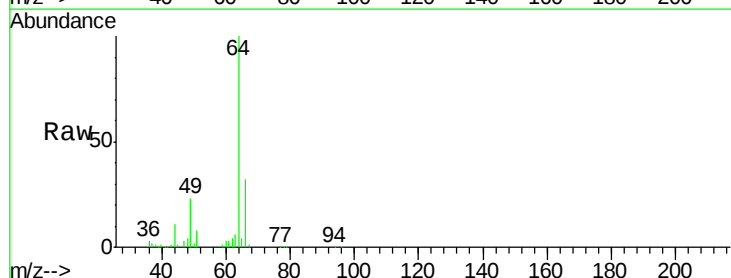
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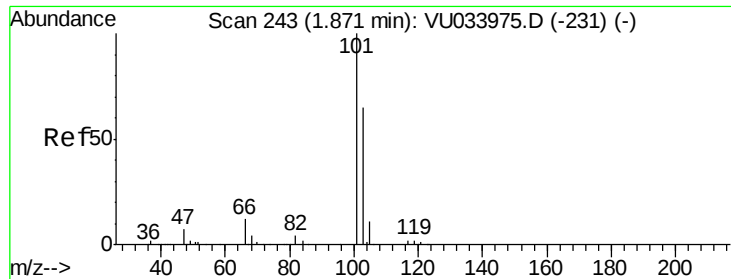
Tgt Ion: 64 Resp: 46399

Ion Ratio Lower Upper

64 100

66 32.7 24.9 37.3





#7

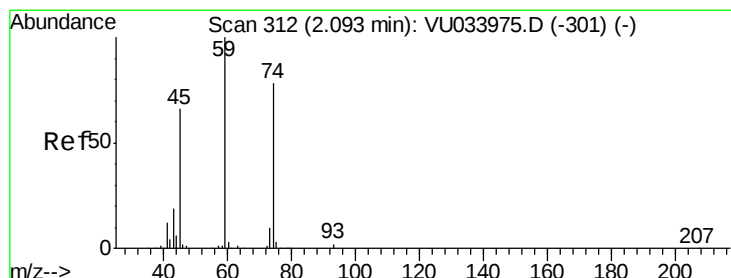
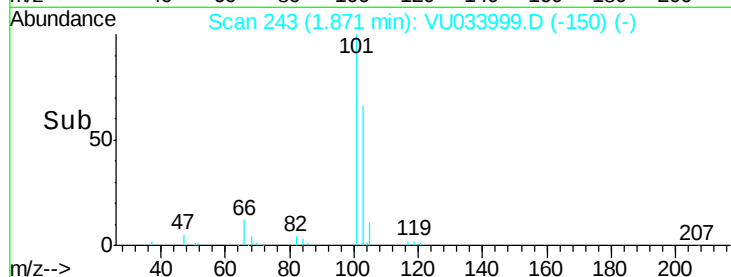
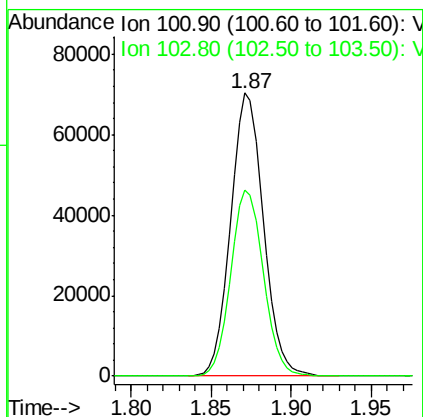
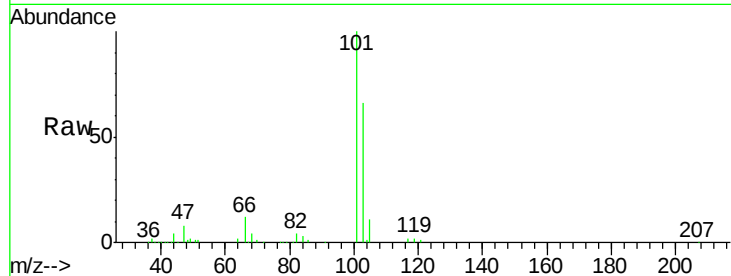
Trichlorofluoromethane
 Concen: 19.200 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	97785		
103	65.9	52.0	78.0		

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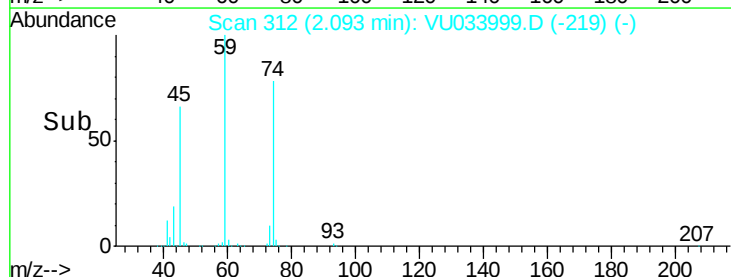
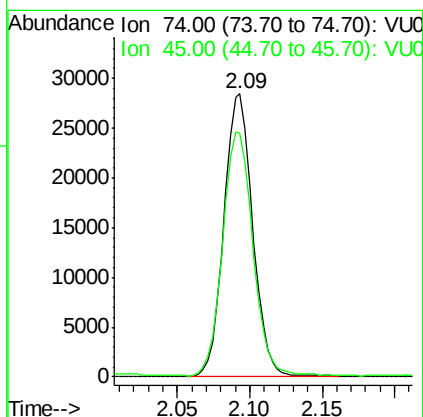
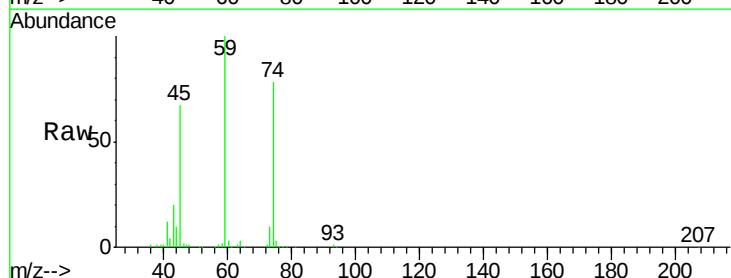
MMDadoda
 8/28/2019 10:00:48 AM

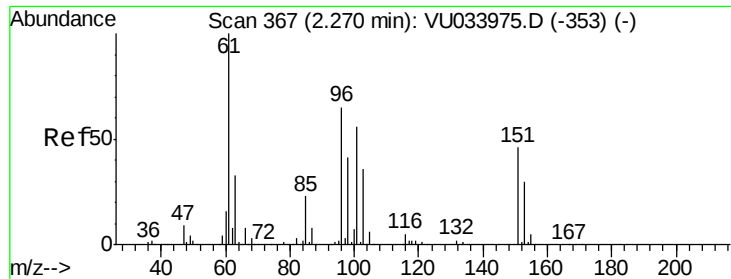


#8

Diethyl Ether
 Concen: 20.281 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU033999.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	39179		
45	90.5	42.8	128.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.661 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

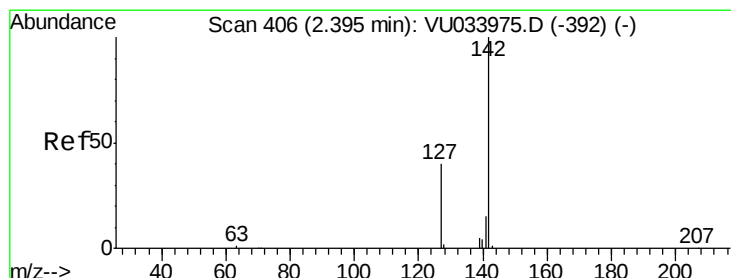
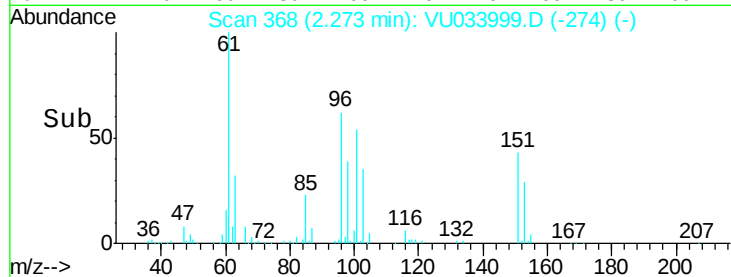
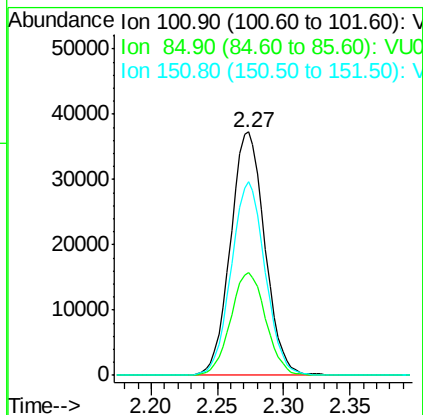
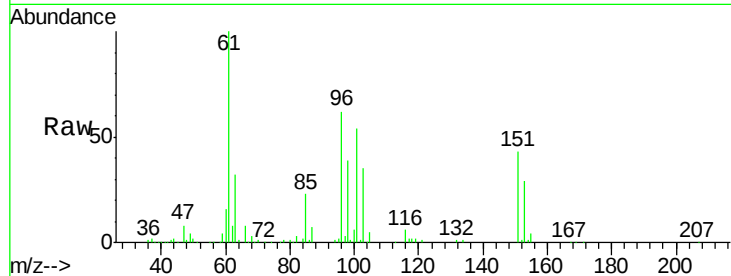
ClientSampleId :

VU0828WBSD02

Tot Ion:	101	Resp:	67203
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.4	50.0
151	78.4	67.6	101.4

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#10

Methyl Iodide

Concen: 20.693 ug/l

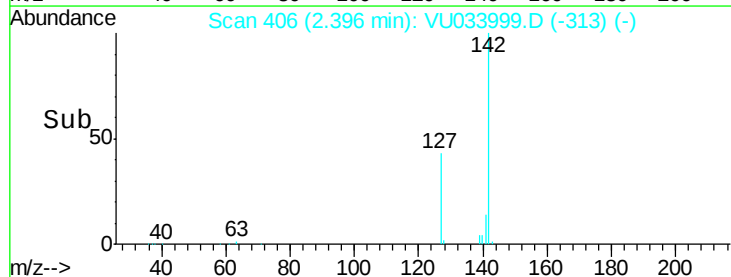
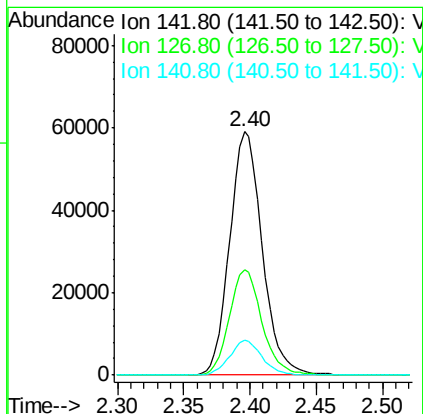
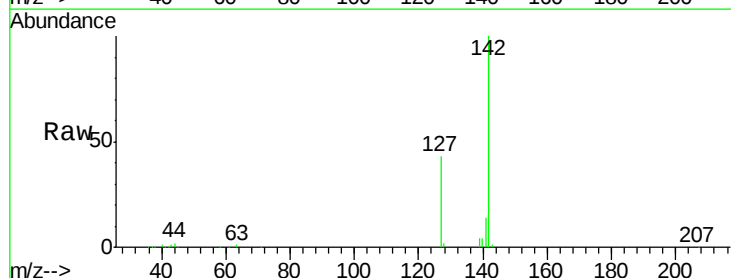
RT: 2.40 min Scan# 406

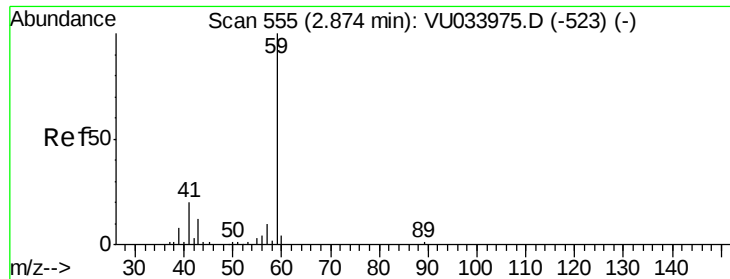
Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion:	142	Resp:	100795
Ion Ratio	Lower	Upper	
142	100		
127	43.2	32.2	48.2
141	14.2	11.8	17.8





#11

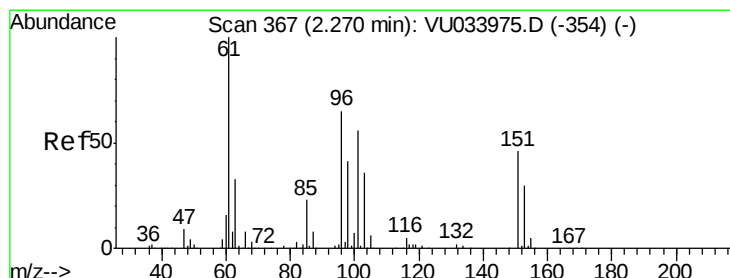
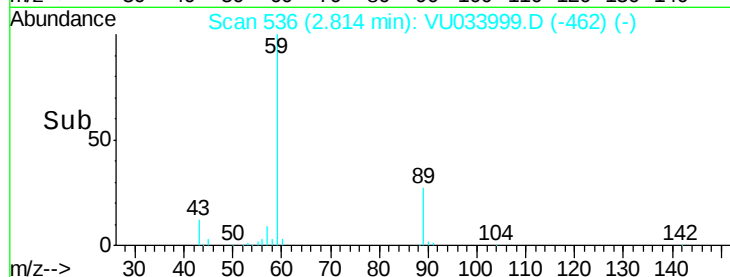
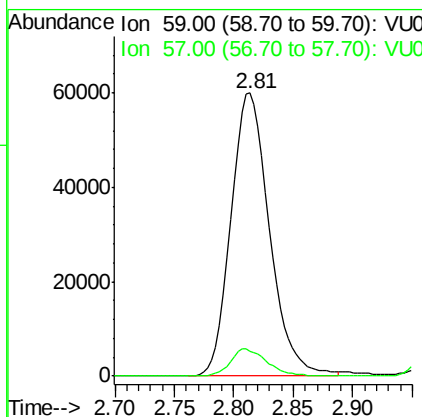
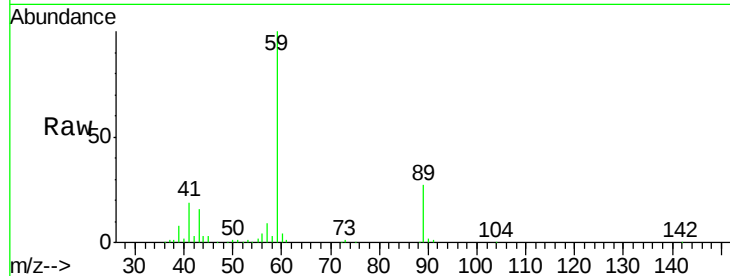
Tert butyl alcohol
 Concen: 121.534 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.06 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	3.9	5.9#

Manual Integrations
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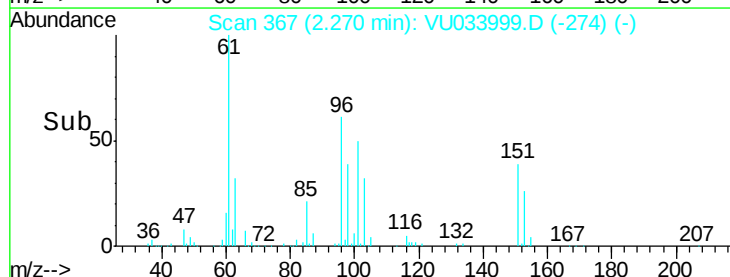
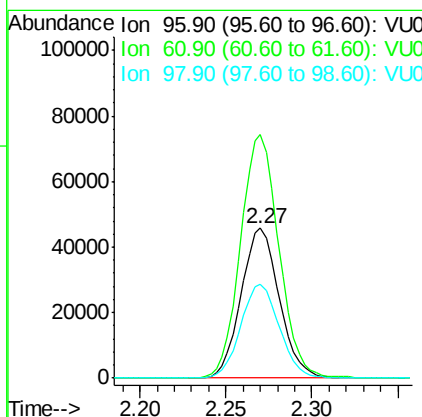
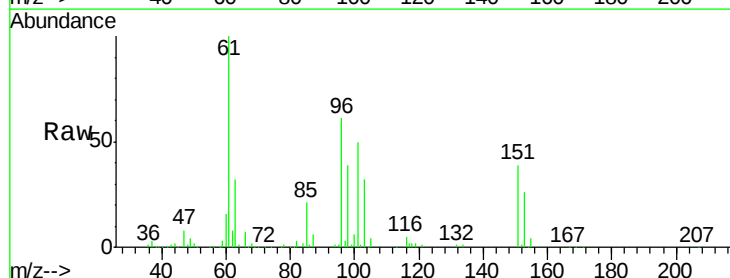
MMDadoda
 8/28/2019 10:00:48 AM

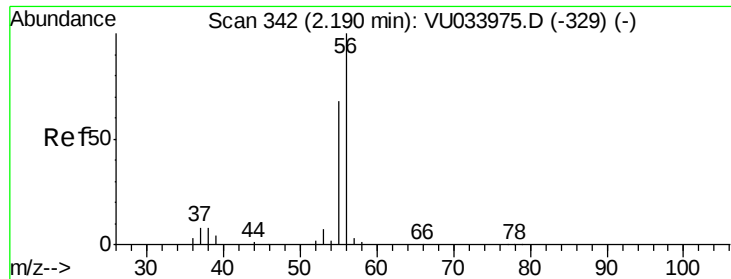


#12

1,1-Dichloroethene
 Concen: 20.750 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.7	123.3	184.9
98	62.9	50.5	75.7





#13

Acrolein

Concen: 102.537 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleID :

VU0828WBSD02

Tot Ion: 56 Resp: 36119

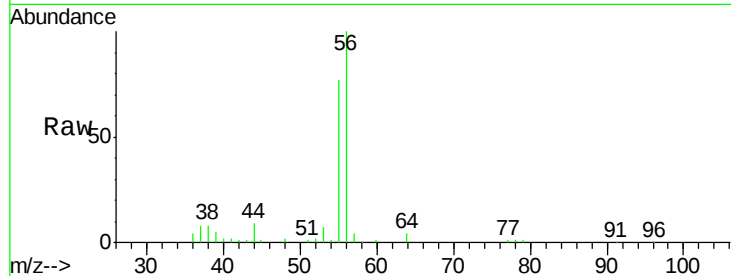
Ion Ratio Lower Upper

56 100

55 73.5 58.0 87.0

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Abundance Ion 56.00 (55.70 to 56.70): VU033975.D (-329) (-)

Ion 55.00 (54.70 to 55.70): VU033975.D (-329) (-)

2.18

25000

20000

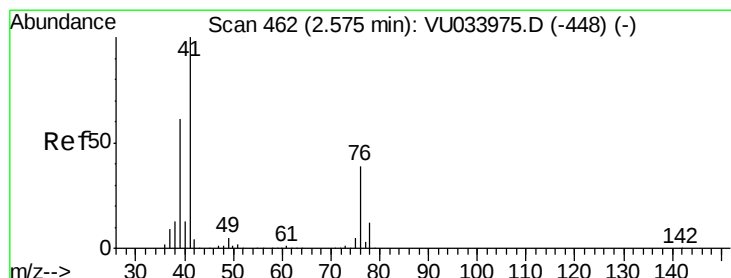
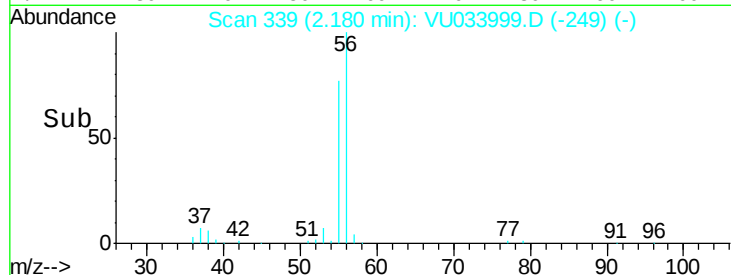
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 25.149 ug/l m

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

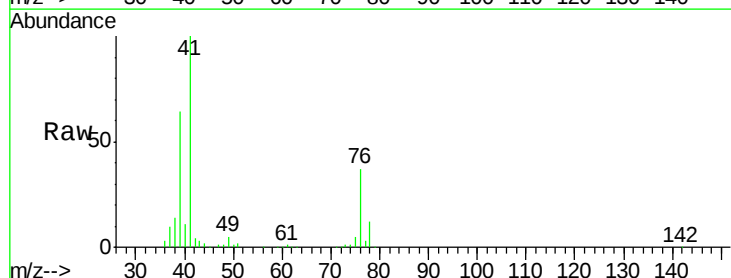
Tgt Ion: 41 Resp: 151173

Ion Ratio Lower Upper

41 100

39 58.6 45.9 68.9

76 32.4 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VU033975.D (-448) (-)

Ion 39.00 (38.70 to 39.70): VU033975.D (-448) (-)

Ion 75.90 (75.60 to 76.60): VU033975.D (-448) (-)

200000

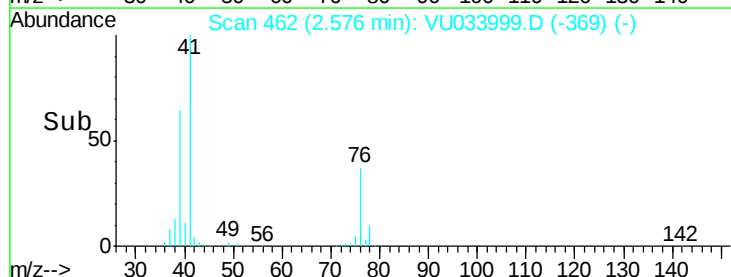
150000

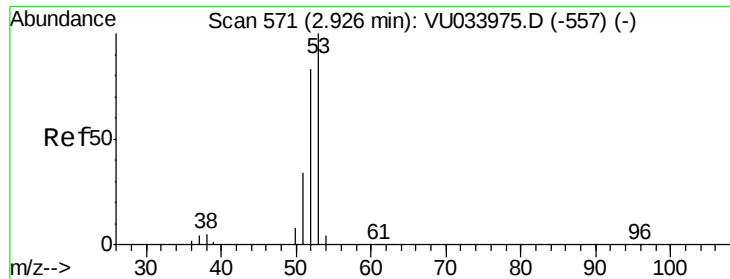
100000

50000

0

Time-->





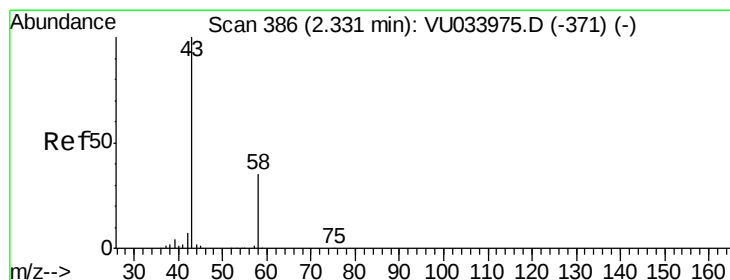
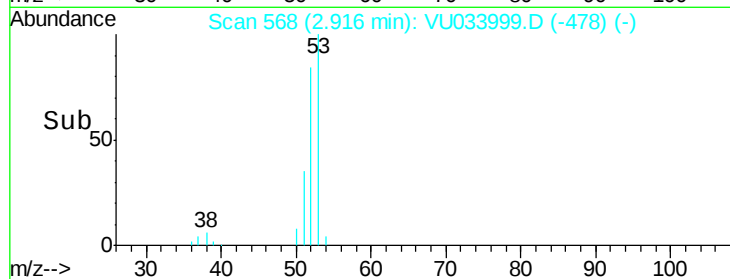
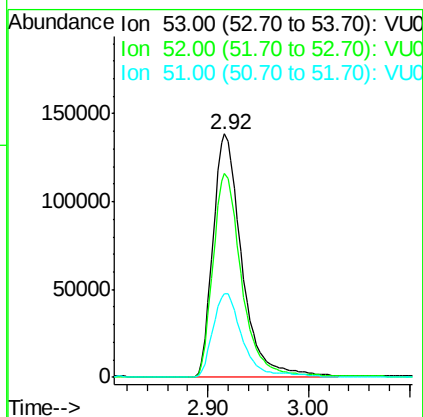
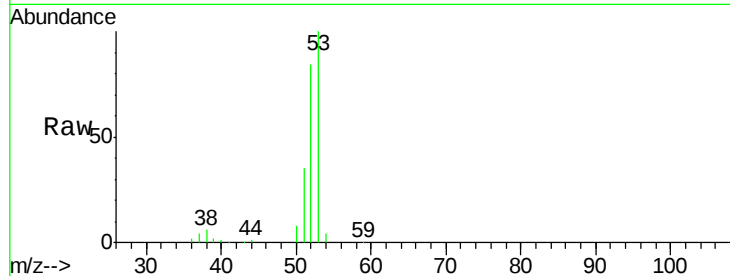
#15
 Acrylonitrile
 Concen: 123.442 ug/l
 RT: 2.92 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion:	53	Resp:	276794
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.7	100.1
51	35.8	27.5	41.3

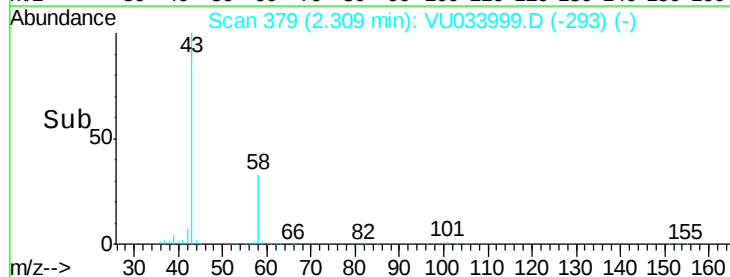
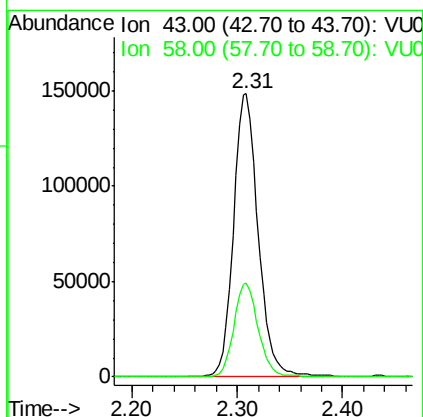
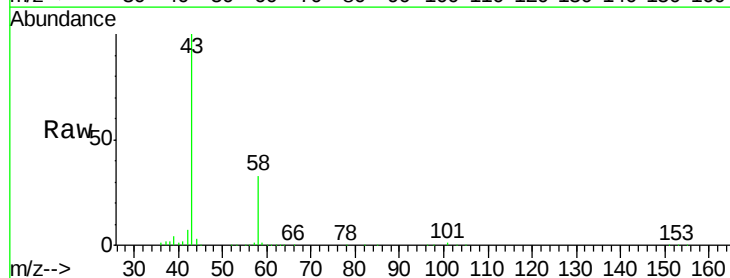
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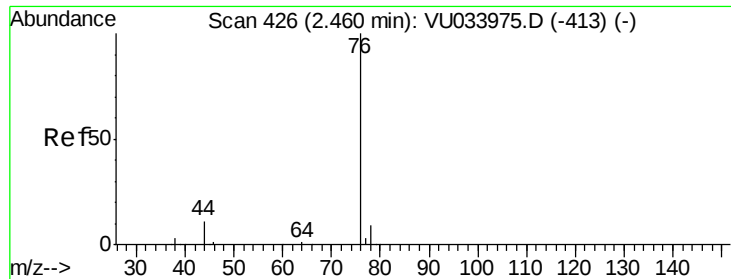
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#16
 Acetone
 Concen: 116.483 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion:	43	Resp:	238768
Ion	Ratio	Lower	Upper
43	100		
58	33.1	28.0	42.0





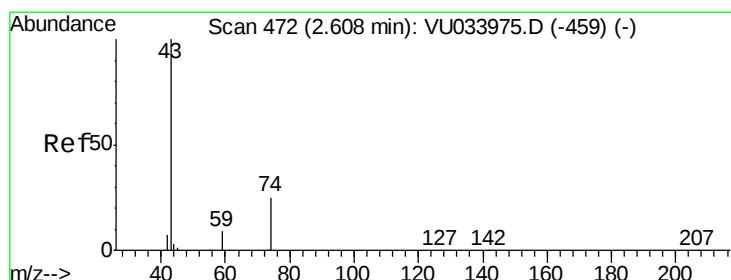
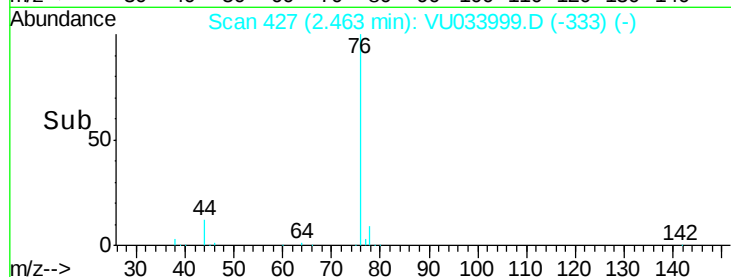
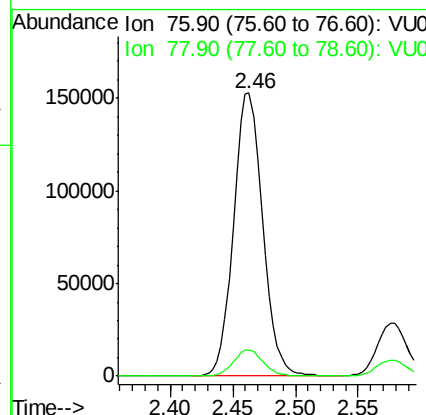
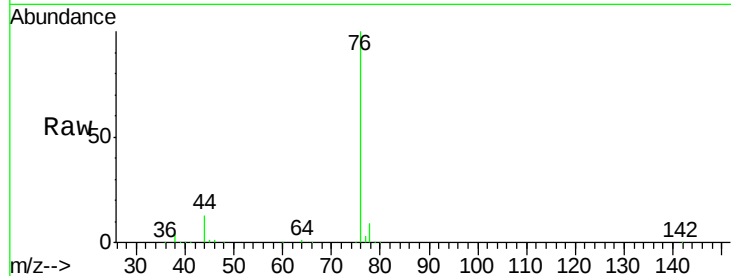
#17
Carbon Disulfide
Concen: 22.163 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

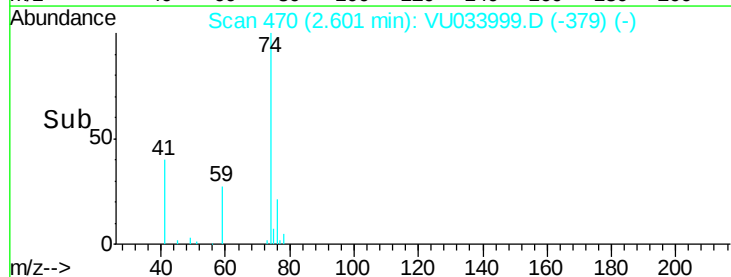
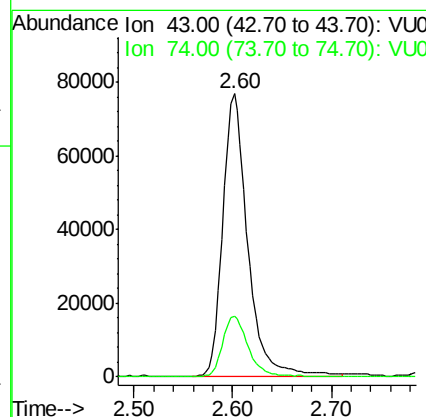
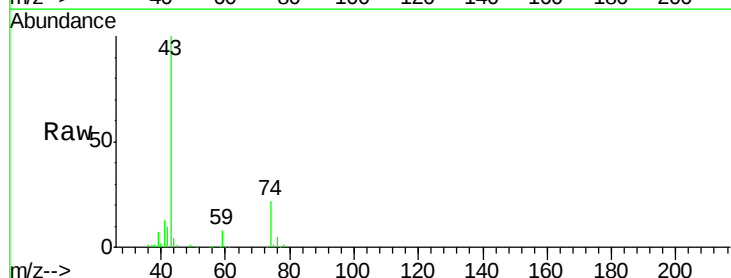
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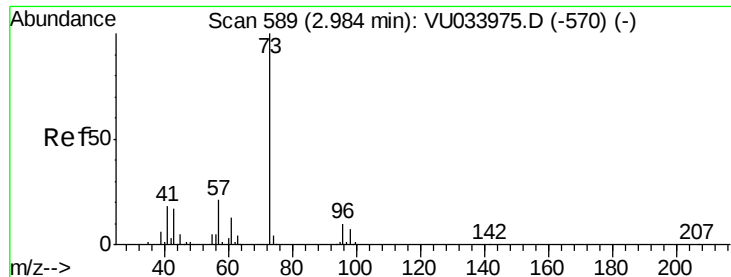
MMDadoda
8/28/2019 10:00:48 AM



#18
Methyl Acetate
Concen: 26.915 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.01 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	20.5	30.7





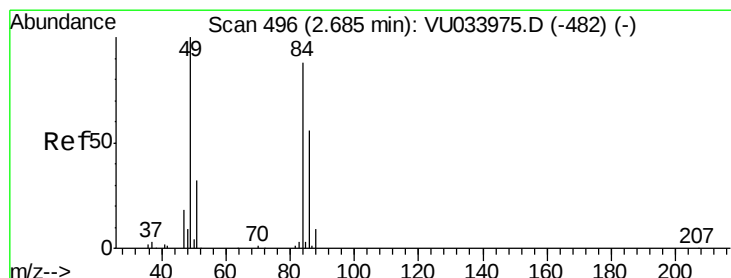
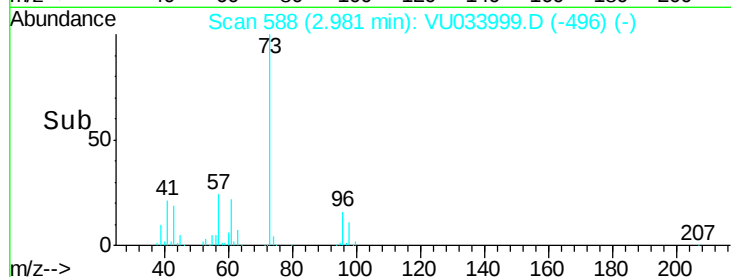
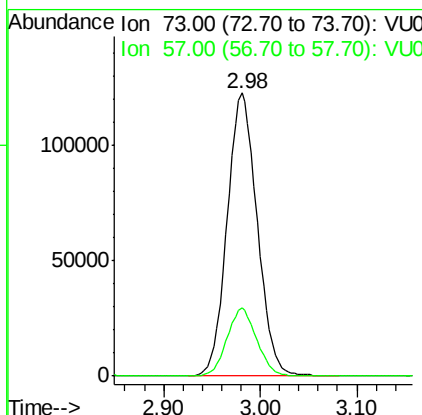
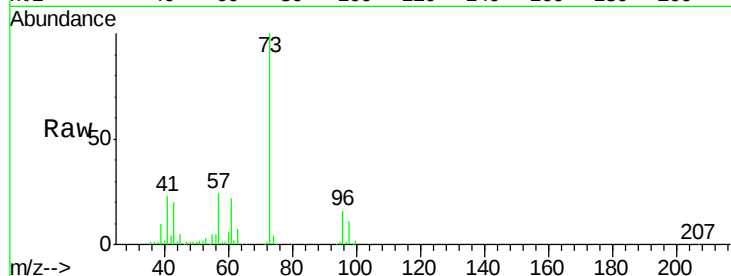
#19
Methvl tert-butvl Ether
Concen: 23.164 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion: 73 Resp: 264176
Ion Ratio Lower Upper
73 100
57 24.1 17.5 26.3

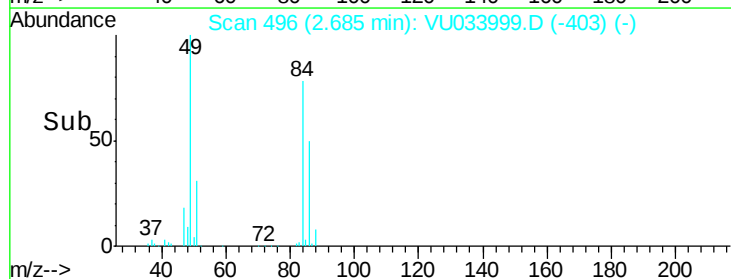
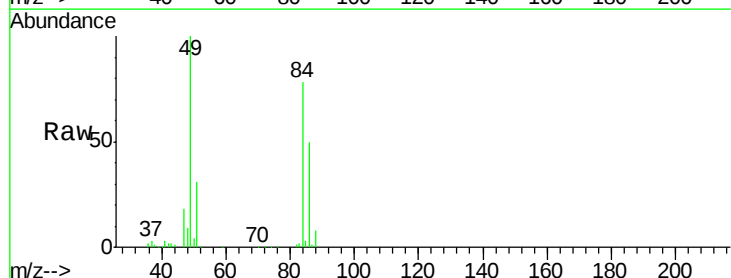
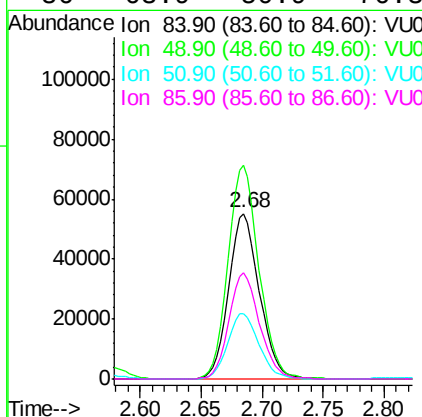
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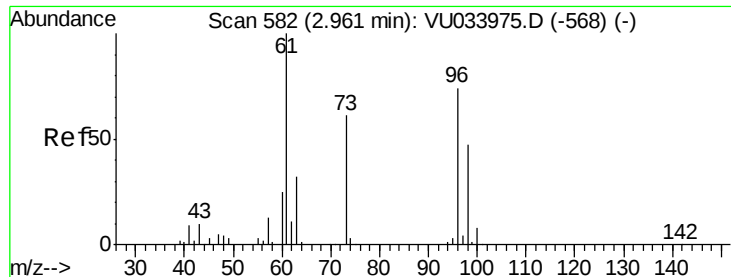
MMDadoda
8/28/2019 10:00:48 AM



#20
Methylene Chloride
Concen: 22.310 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion: 84 Resp: 97023
Ion Ratio Lower Upper
84 100
49 128.9 91.3 136.9
51 39.4 28.9 43.3
86 63.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 21.983 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 96 Resp: 85091

Ion Ratio Lower Upper

96 100

61 151.2 108.2 162.2

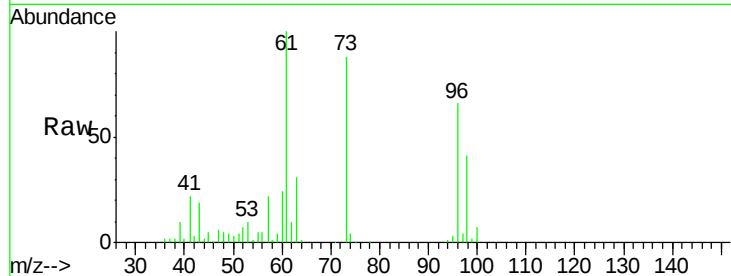
98 61.7 50.3 75.5

Manual Integrations

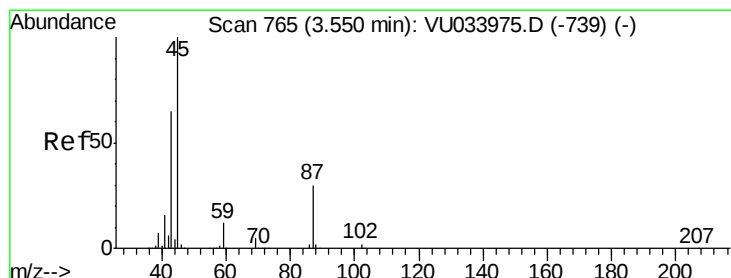
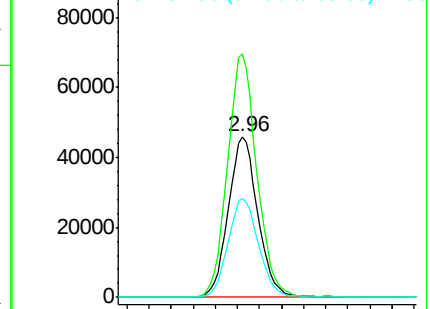
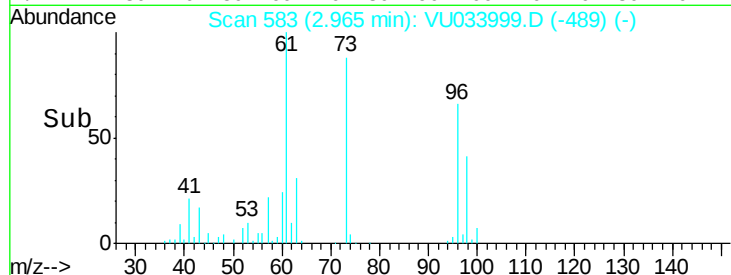
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Abundance Ion 95.90 (95.60 to 96.60): VU033999.D (-489) (-)



#22

Diisopropyl ether

Concen: 26.738 ug/l

RT: 3.55 min Scan# 764

Delta R.T. -0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion: 45 Resp: 295304

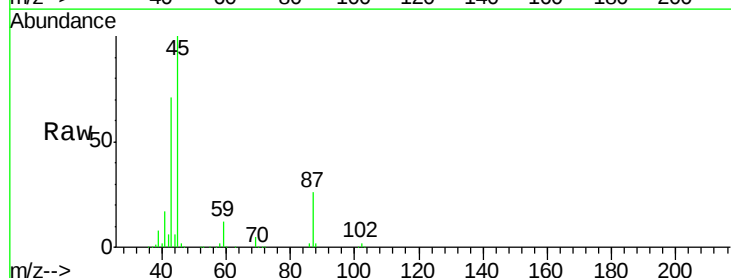
Ion Ratio Lower Upper

45 100

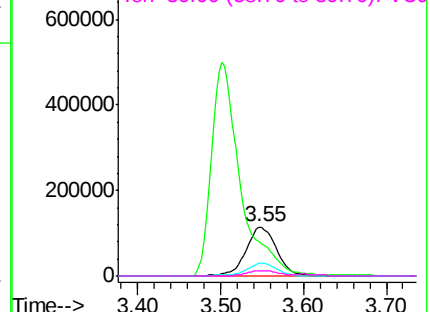
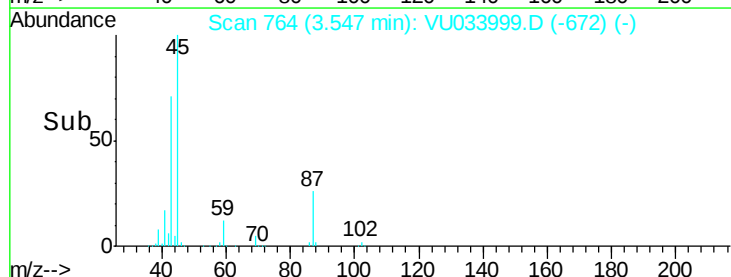
43 69.8 51.6 77.4

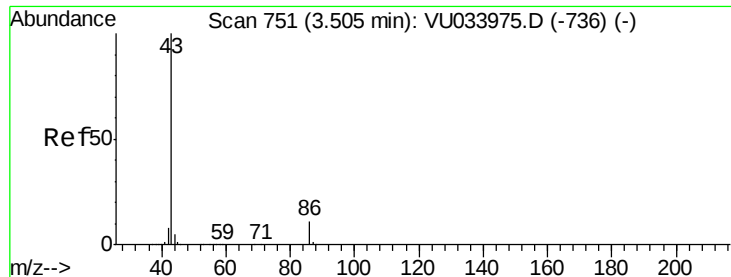
87 25.8 24.4 36.6

59 11.8 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VU033999.D (-672) (-)





#23

Vinyl Acetate

Concen: 131.440 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tot Ion: 43 Resp: 1233263

Ion Ratio Lower Upper

43 100

86 9.9 9.1 13.7

Instrument :

MSVOA_U

ClientSampleId :

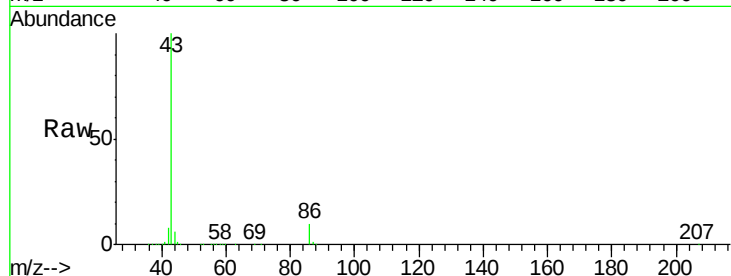
VU0828WBSD02

Manual Integrations

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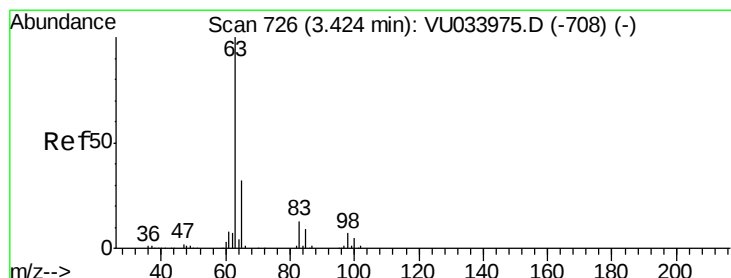
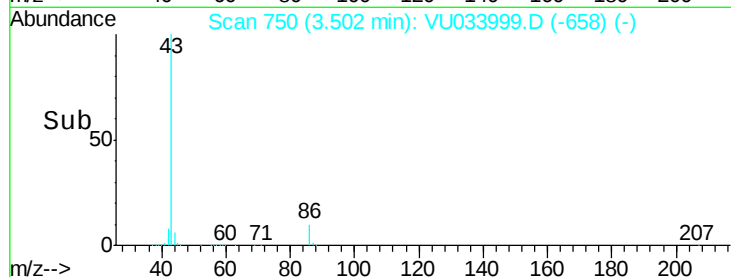
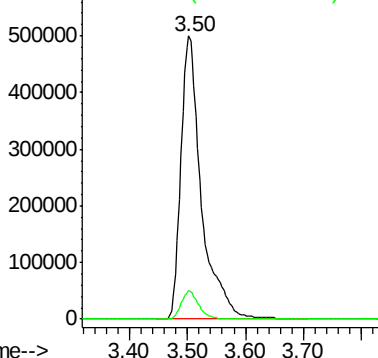
MMDadoda

8/28/2019 10:00:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 24.128 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

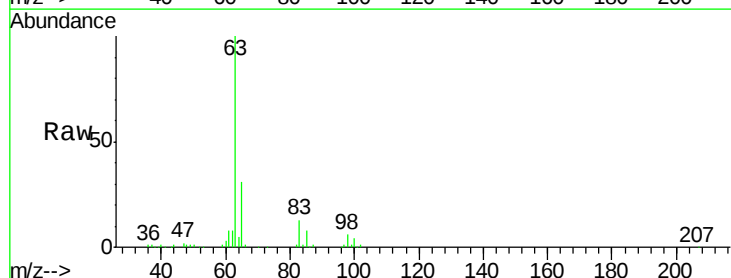
Tgt Ion: 63 Resp: 166835

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

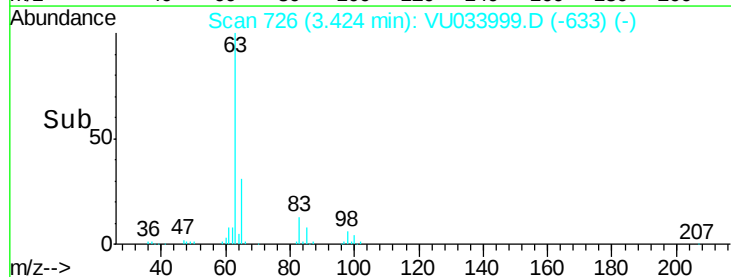
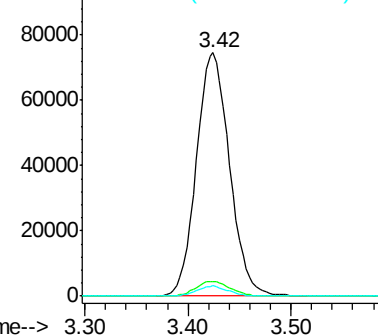
100 4.3 2.3 6.8

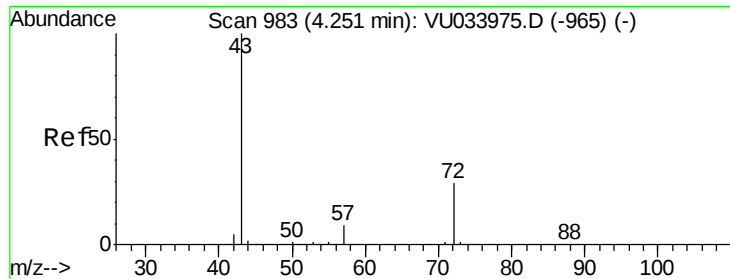


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 127.448 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.01 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 43 Resp: 374481

Ion Ratio Lower Upper

43 100

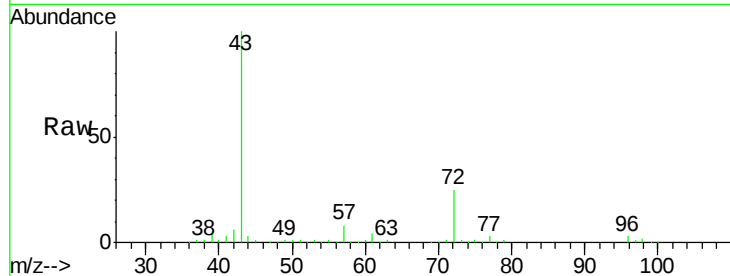
72 25.0 22.9 34.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

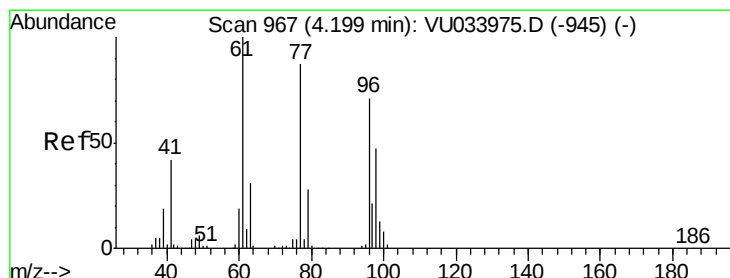
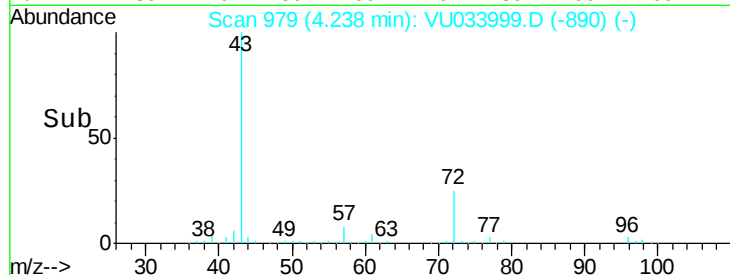
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 17.910 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033999.D

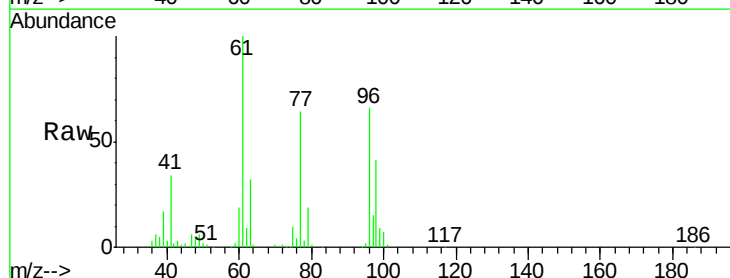
Acq: 28 Aug 2019 03:03

Tgt Ion: 77 Resp: 104716

Ion Ratio Lower Upper

77 100

97 22.3 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

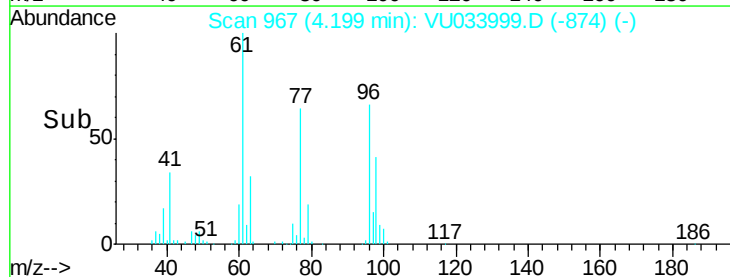
20000

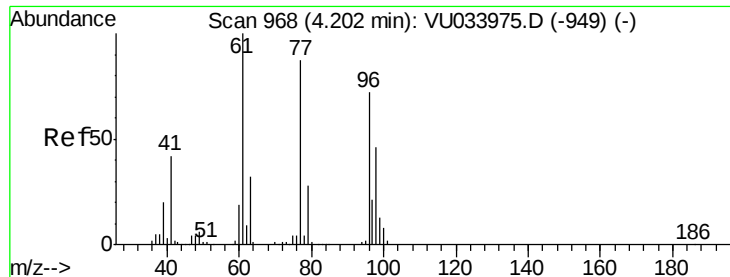
10000

0

4.10 4.20 4.30

Time-->





#27

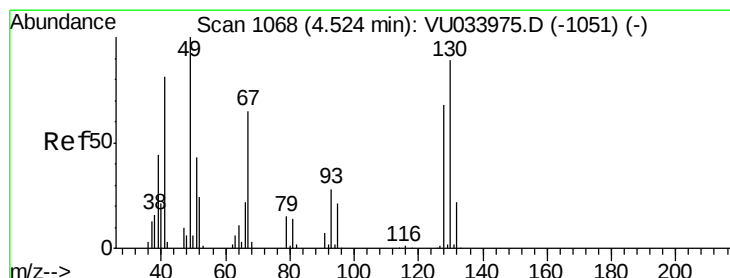
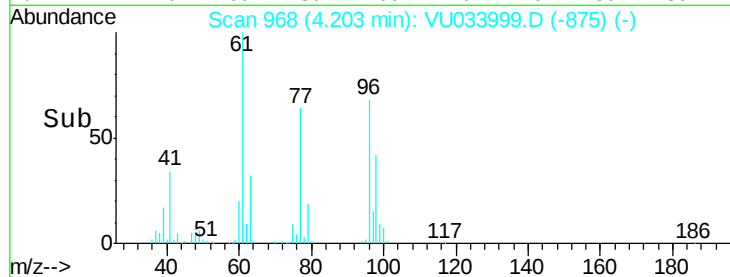
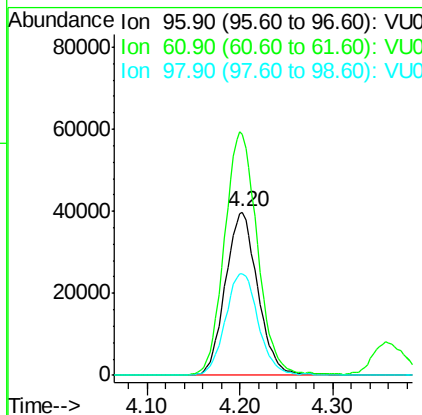
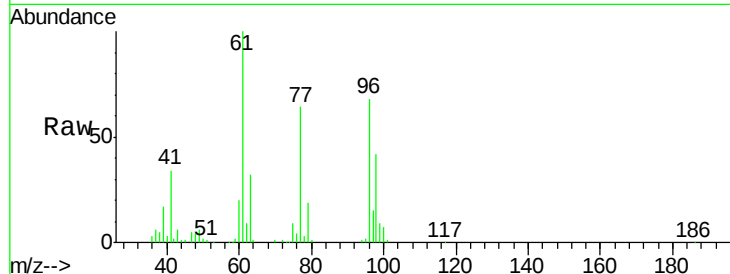
cis-1,2-Dichloroethene
Concen: 22.252 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	287.2
98	63.1	0.0	131.8

Manual Integrations
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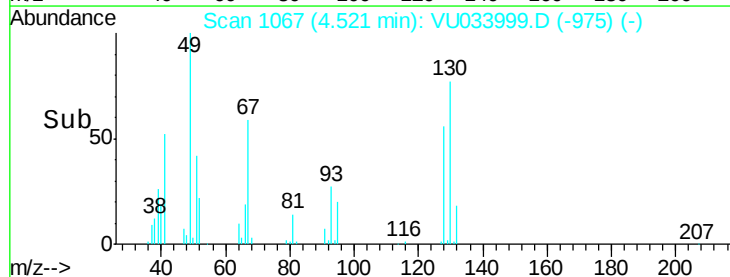
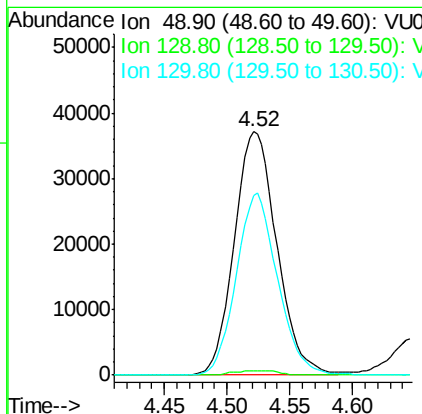
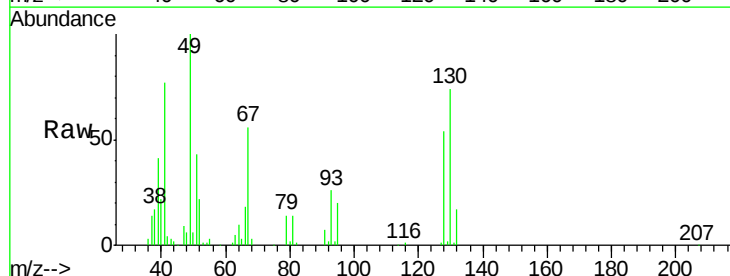
MMDadoda
8/28/2019 10:00:48 AM

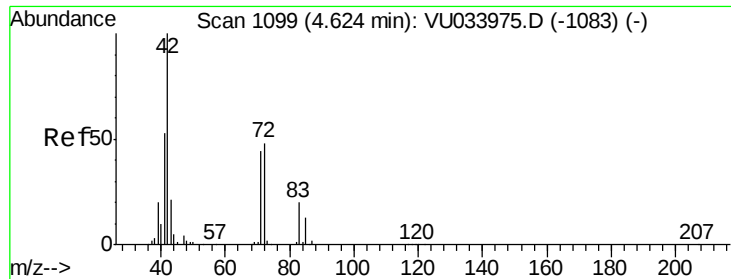


#28

Bromochloromethane
Concen: 27.555 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	72.7	71.0	106.6





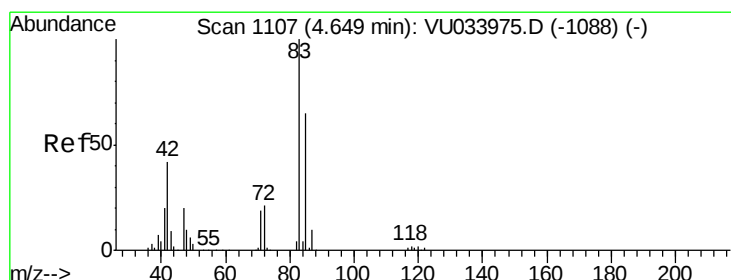
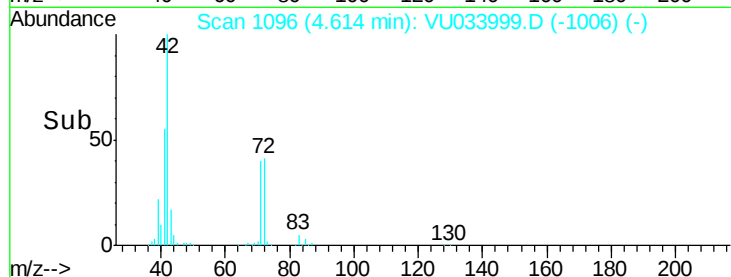
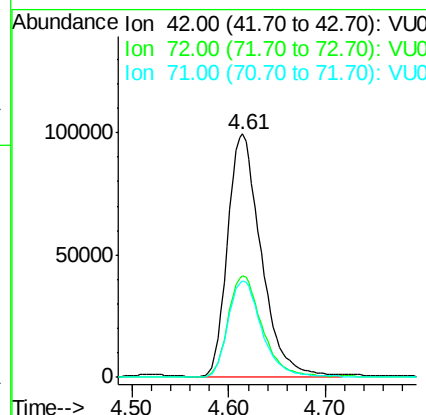
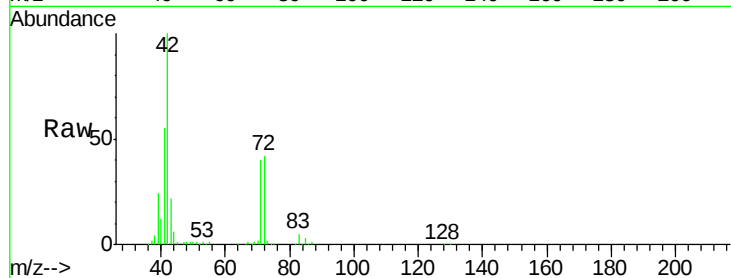
#29
Tetrahydrofuran
Concen: 129.726 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	38.9	58.3
71	40.4	35.7	53.5

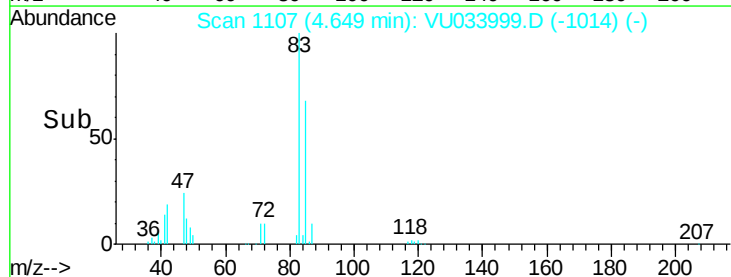
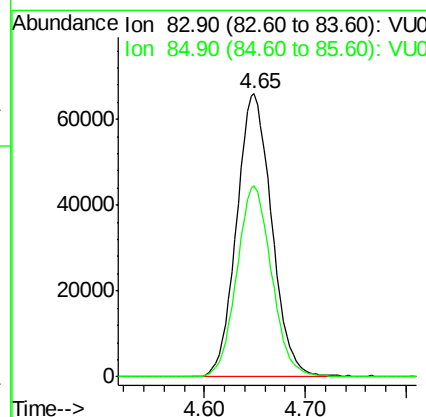
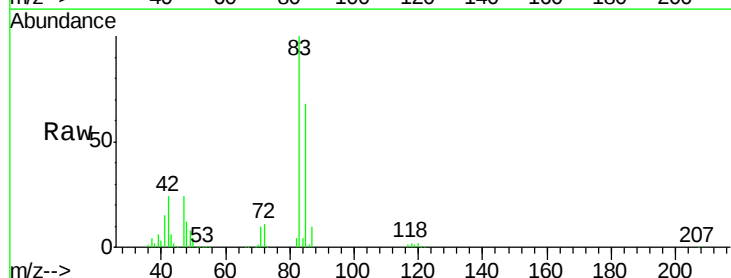
Manual Integrations
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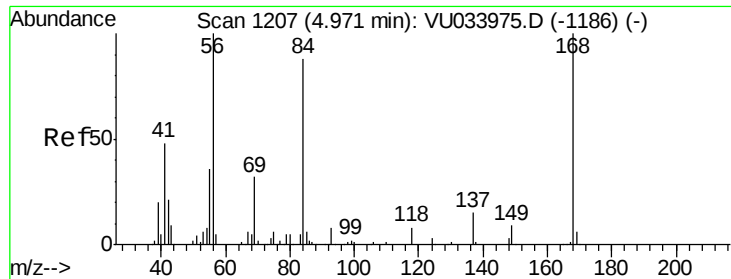
MMDadoda
8/28/2019 10:00:48 AM



#30
Chloroform
Concen: 22.512 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.1	78.1





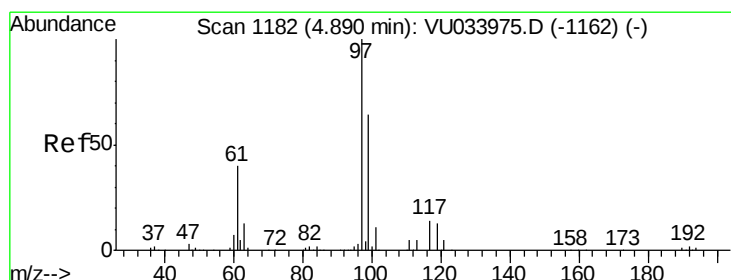
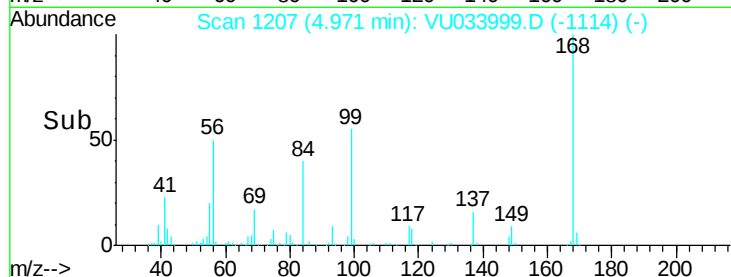
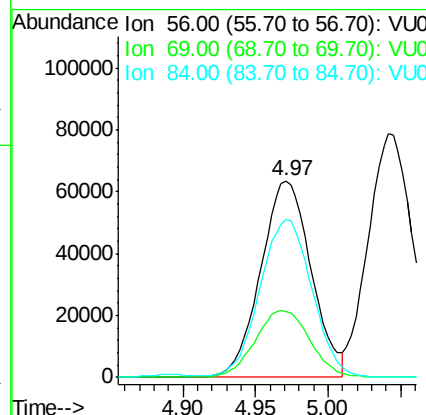
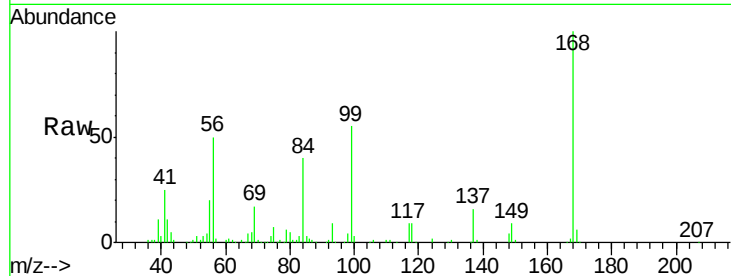
#31
Cyclohexane
Concen: 24.350 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.9	38.9
84	79.7	70.4	105.6

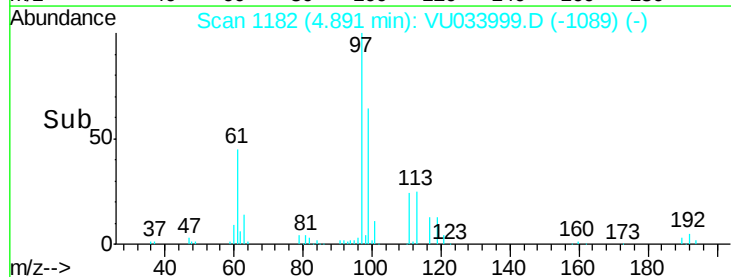
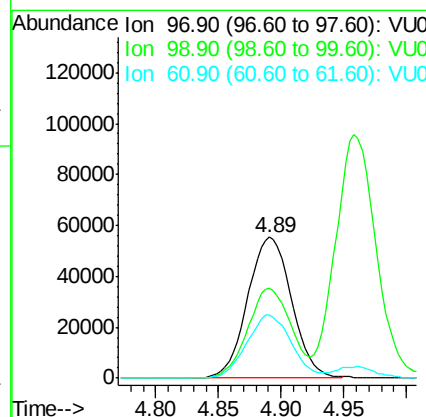
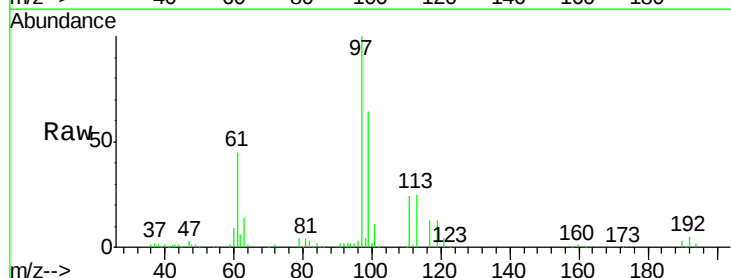
Manual Integrations
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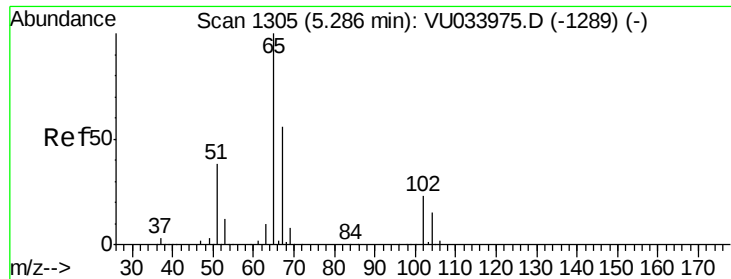
MMDadoda
8/28/2019 10:00:48 AM



#32
1,1,1-Trichloroethane
Concen: 22.714 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.6	77.4
61	44.9	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 64.833 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 65 Resp: 277640

Ion Ratio Lower Upper

65 100

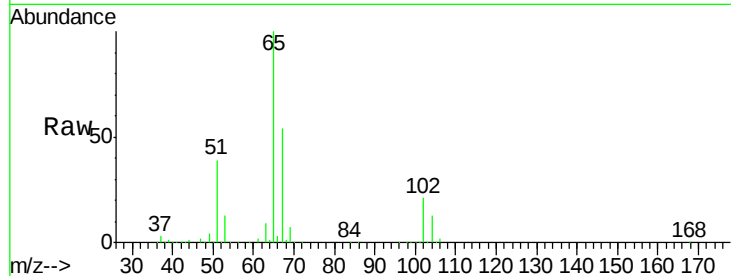
67 54.9 0.0 111.0

Manual Integrations

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8/28/2019 10:00:48 AM



Abundance Ion 64.90 (64.60 to 65.60): VU033999.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU033999.D (-1212) (-)

5.29

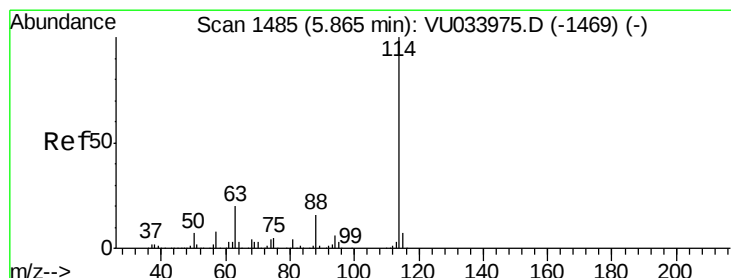
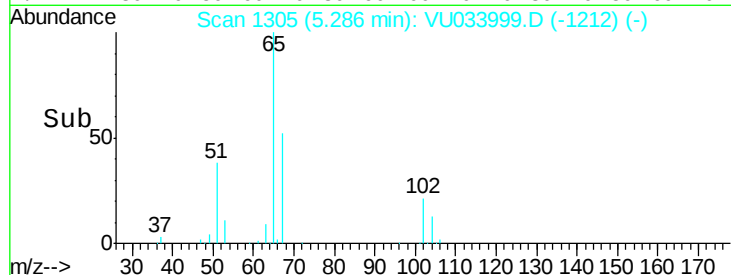
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

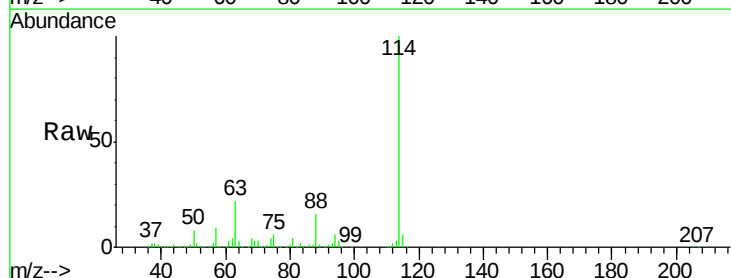
Tgt Ion: 114 Resp: 638068

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

88 16.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VU033999.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU033999.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU033999.D (-1392) (-)

5.86

400000

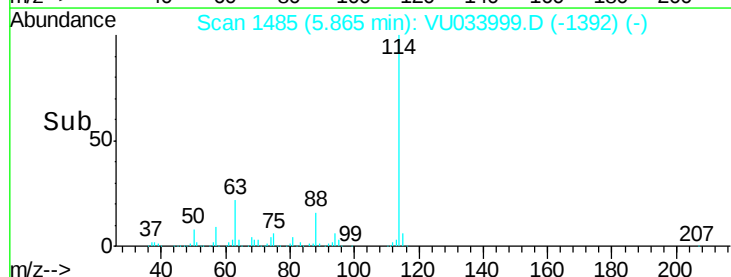
300000

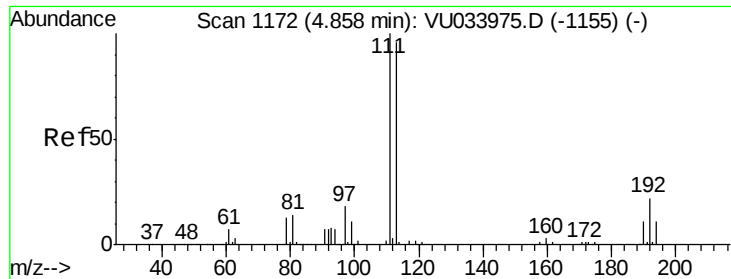
200000

100000

0

Time-->





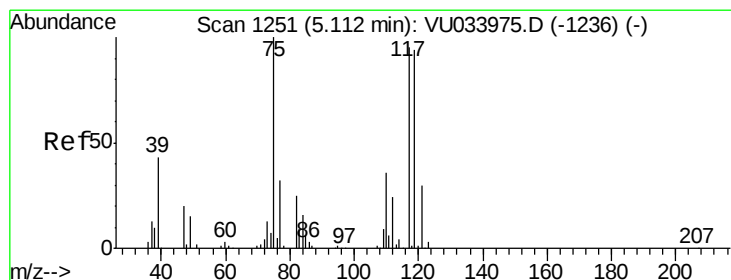
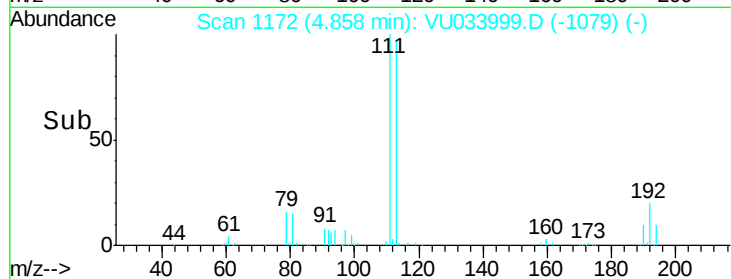
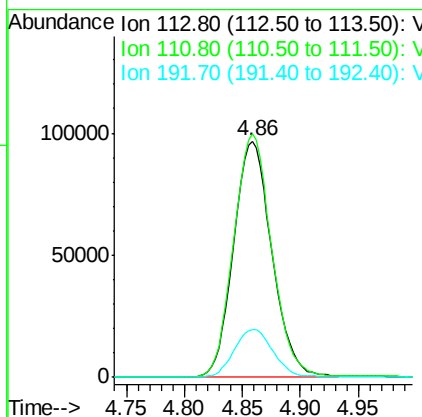
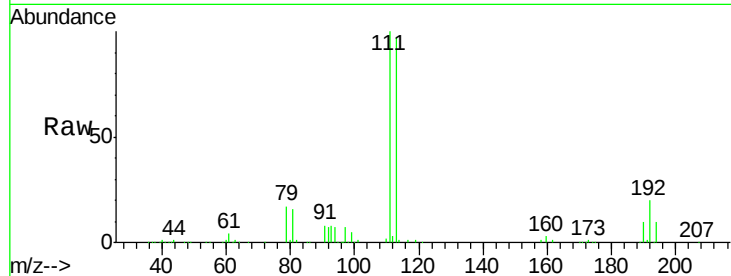
#35
 Dibromofluoromethane
 Concen: 51.744 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221931		
111	102.3		81.7	122.5
192	20.7		18.6	27.8

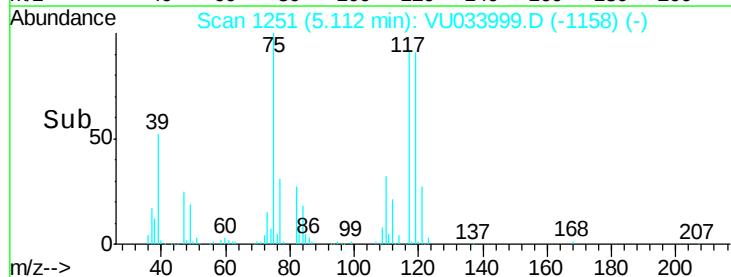
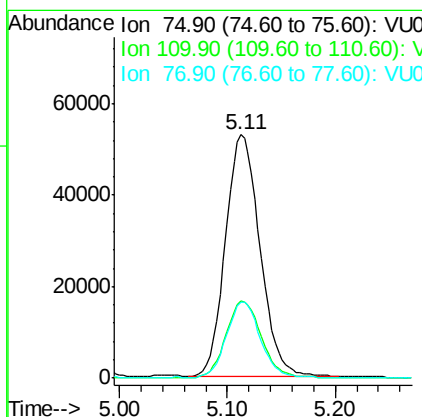
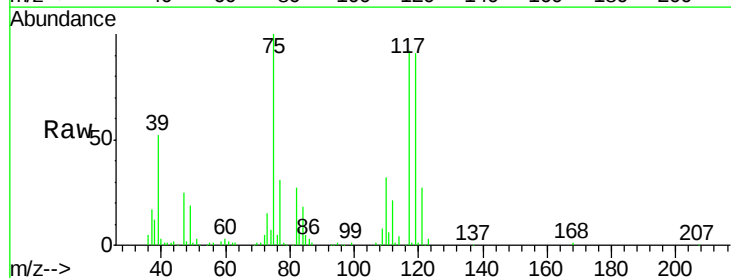
Manual Integrations
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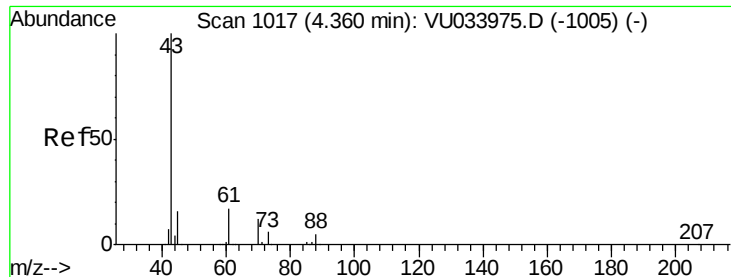
MMDadoda
 8/28/2019 10:00:48 AM



#36
 1,1-Dichloropropene
 Concen: 20.117 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117564		
110	33.0		18.2	54.6
77	31.4		24.8	37.2





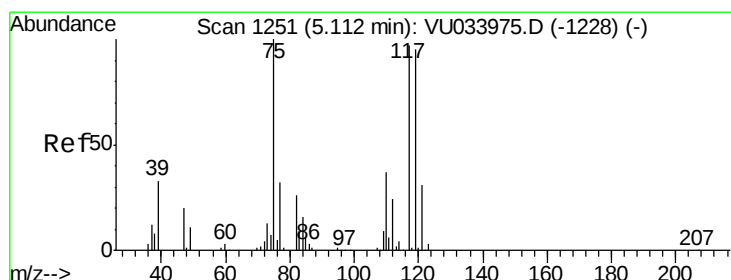
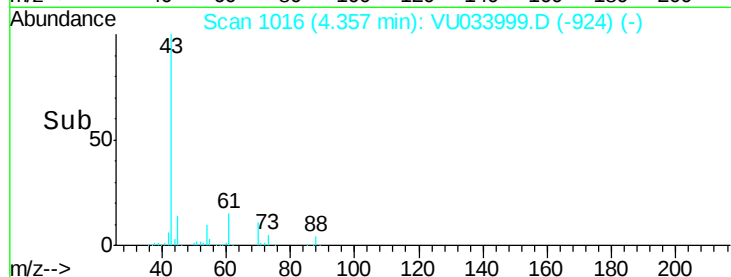
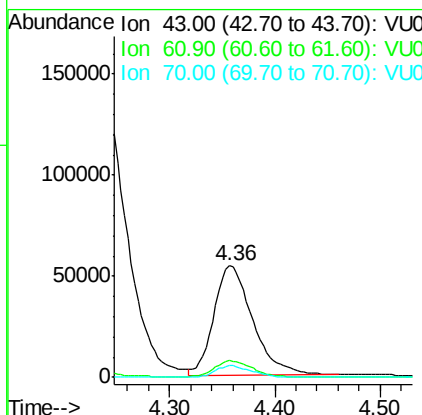
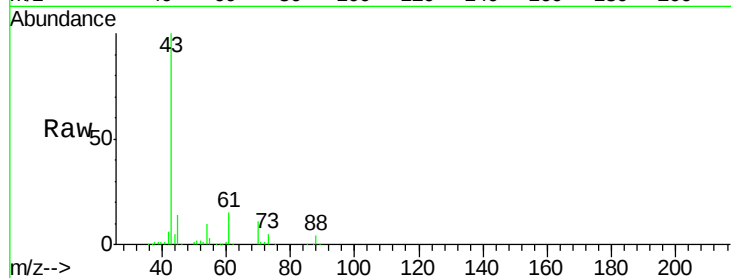
#37
Ethyl Acetate
Concen: 23.357 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.0	18.0
70	10.6	9.2	13.8

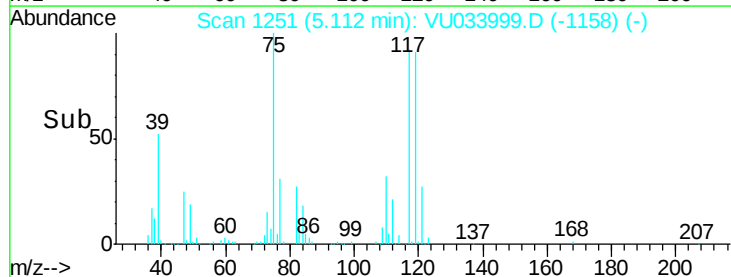
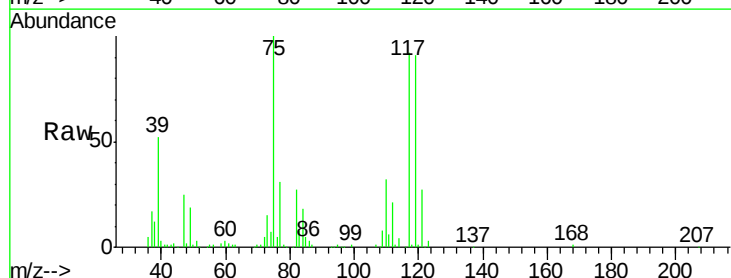
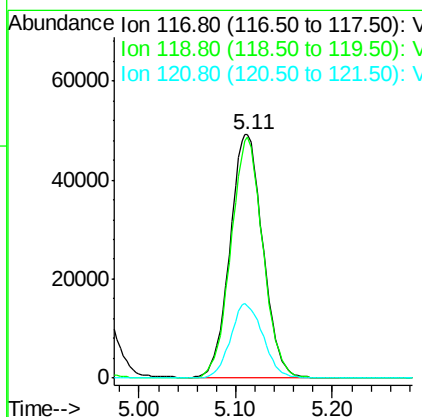
Manual Integrations
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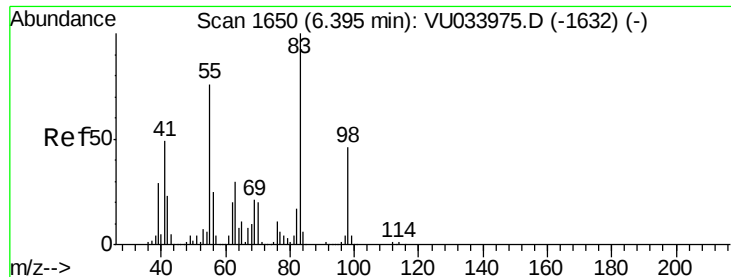
MMDadoda
8/28/2019 10:00:48 AM



#38
Carbon Tetrachloride
Concen: 19.514 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	78.4	117.6
121	29.6	25.4	38.2





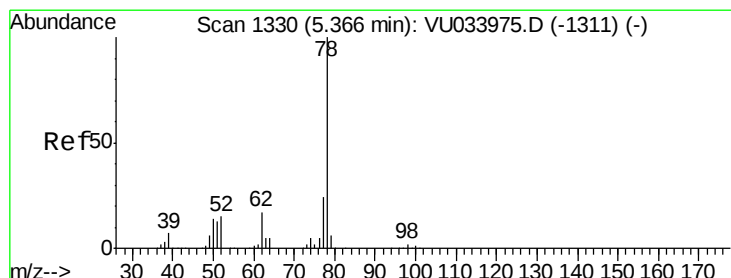
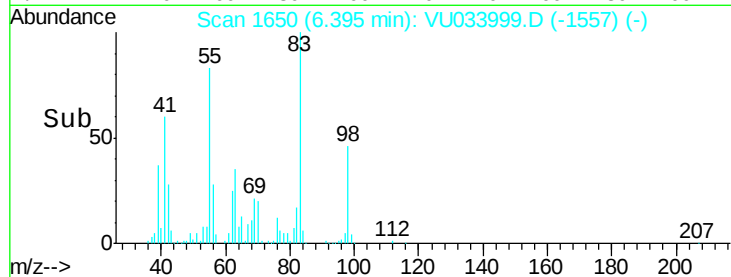
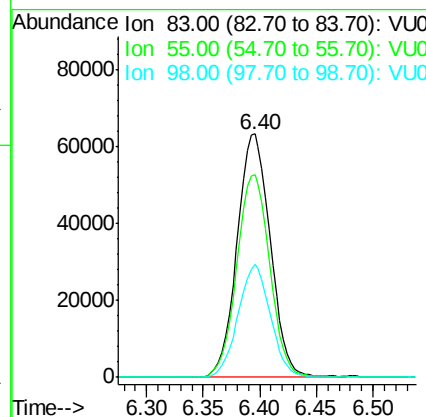
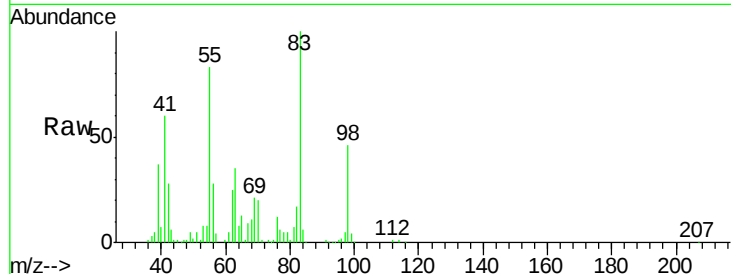
#39
Methvlcvclohexane
Concen: 18.767 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	60.8	91.2
98	46.2	36.5	54.7

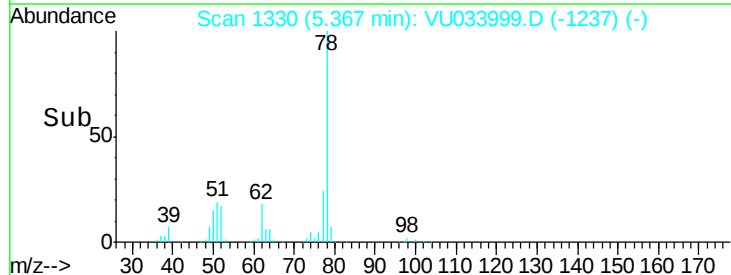
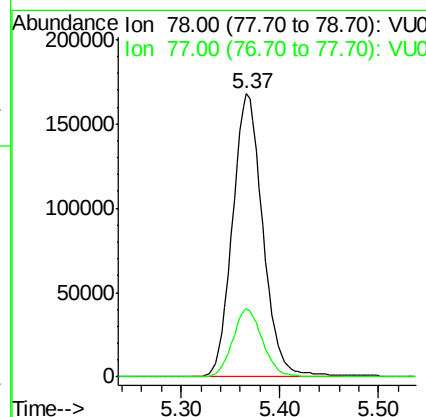
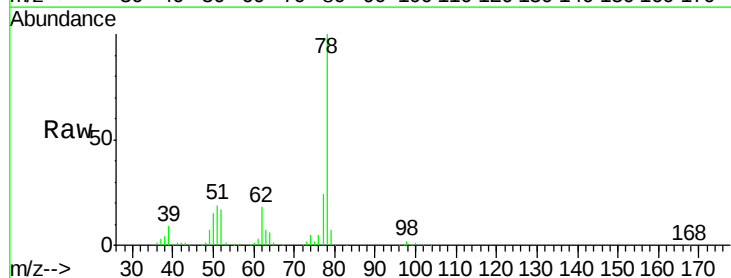
Manual Integrations
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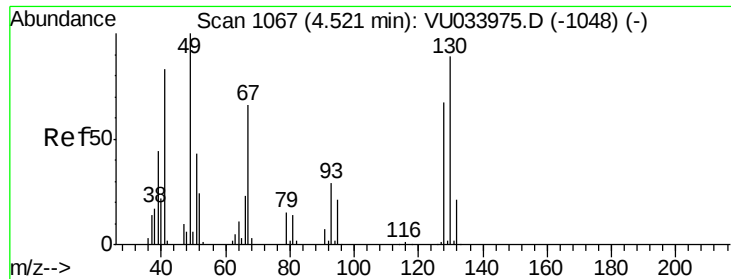
MMDadoda
8/28/2019 10:00:48 AM



#40
Benzene
Concen: 20.720 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





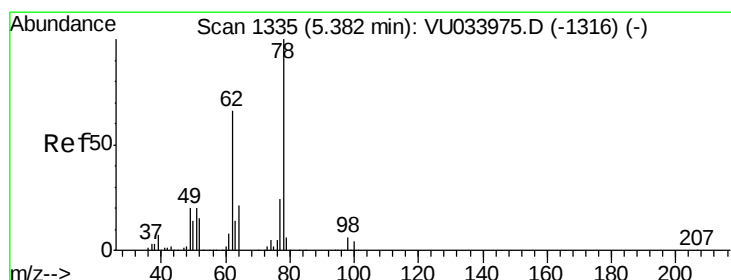
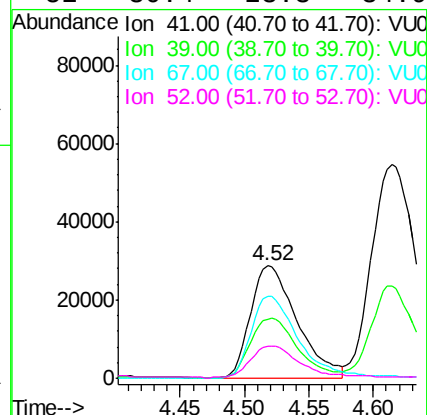
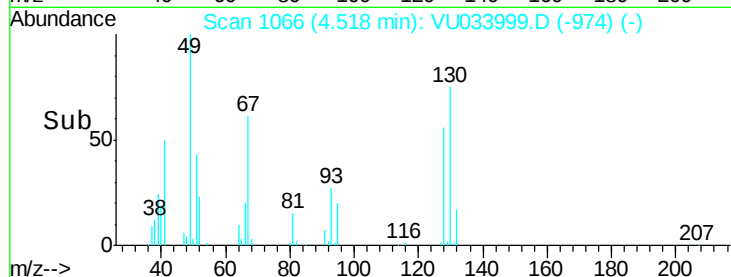
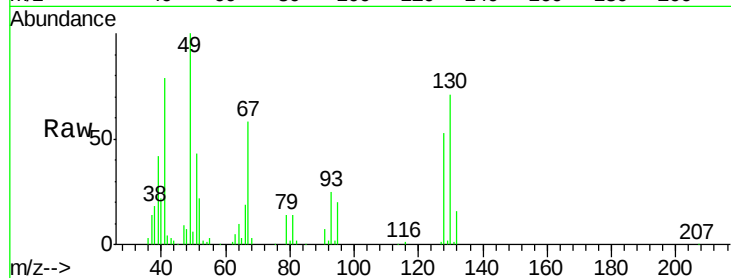
#41
Methacrylonitrile
Concen: 23.640 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	41.5	62.3	
67	75.7	65.0	97.6	
52	30.4	23.3	34.9	

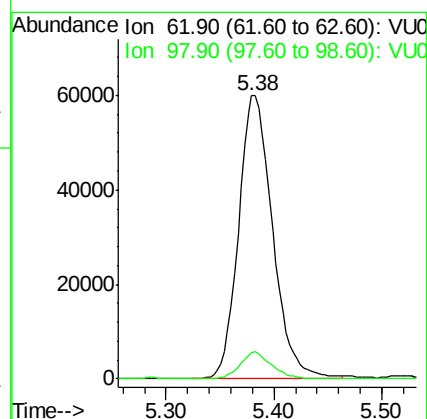
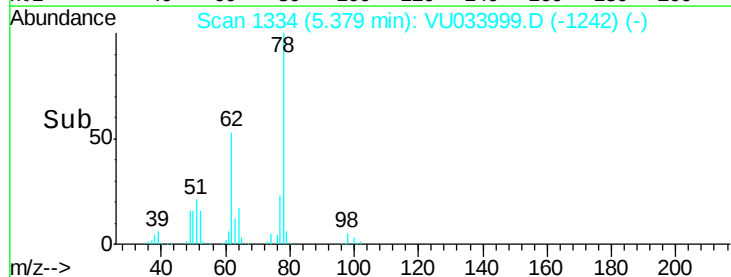
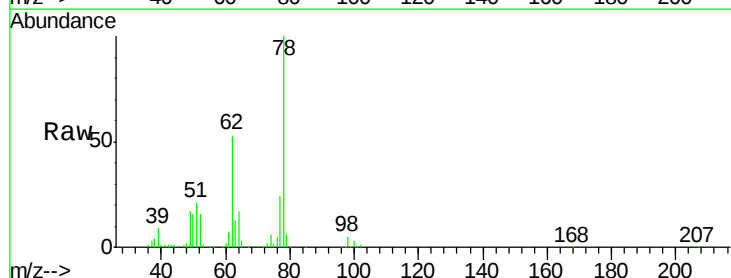
Manual Integrations
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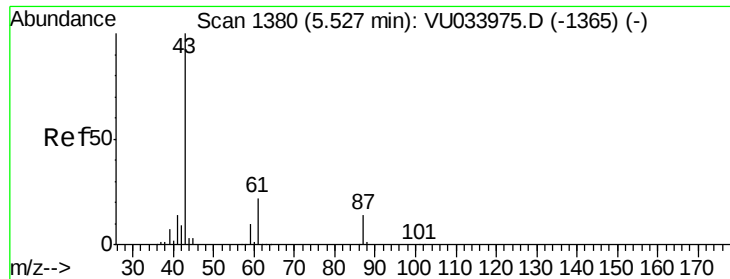
MMDadoda
8/28/2019 10:00:48 AM



#42
1,2-Dichloroethane
Concen: 22.418 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	20.0	





#43

Isopropyl Acetate

Concen: 23.293 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

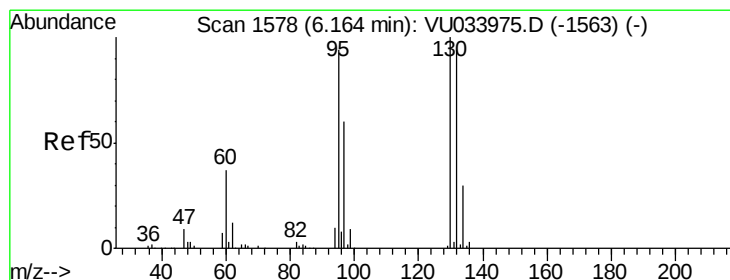
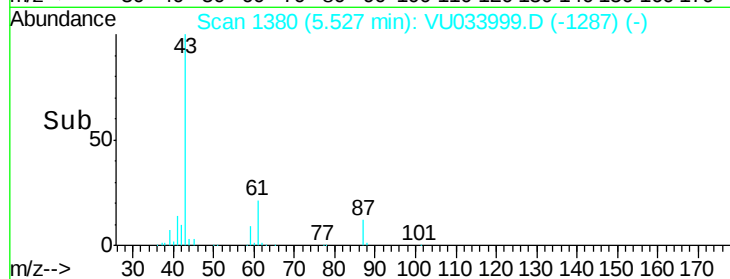
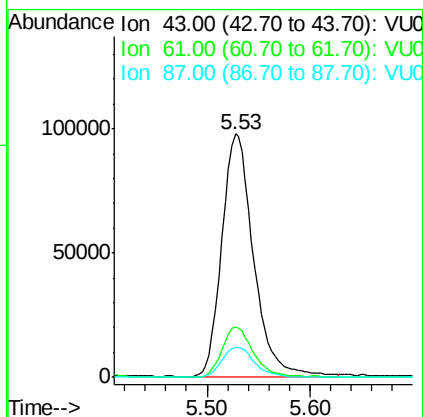
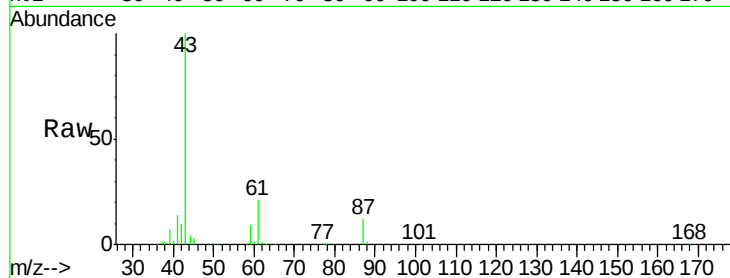
ClientSampleId :

VU0828WBSD02

Tot Ion:	43	Resp:	209351
Ion Ratio	Lower	Upper	
43	100		
61	20.5	17.8	26.8
87	12.8	11.9	17.9

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#44

Trichloroethene

Concen: 18.215 ug/l

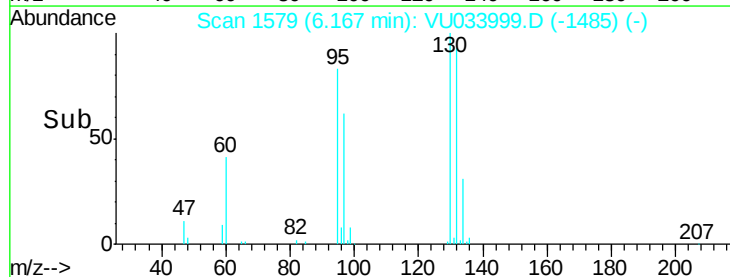
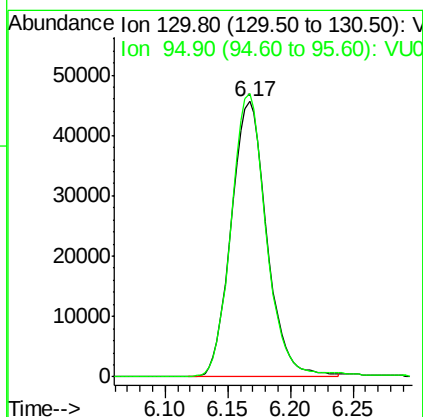
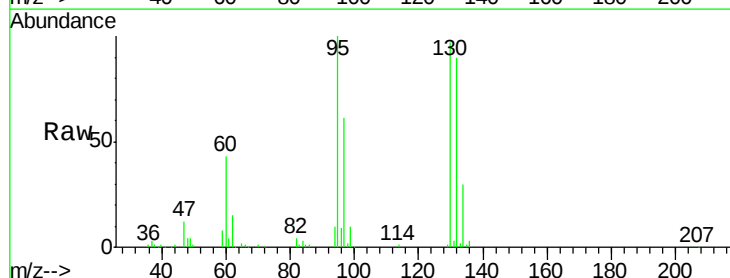
RT: 6.17 min Scan# 1579

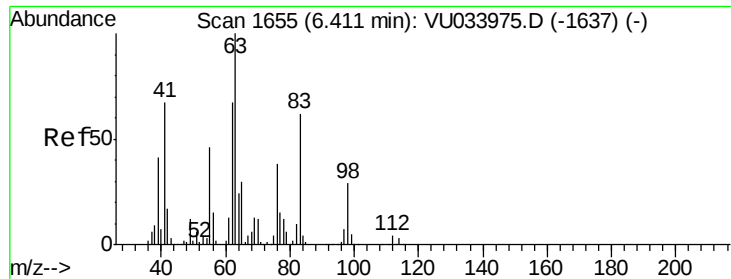
Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion:	130	Resp:	90246
Ion Ratio	Lower	Upper	
130	100		
95	102.8	0.0	187.6





#45

1,2-Dichloropropane

Concen: 21.940 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 63 Resp: 101991

Ion Ratio Lower Upper

63 100

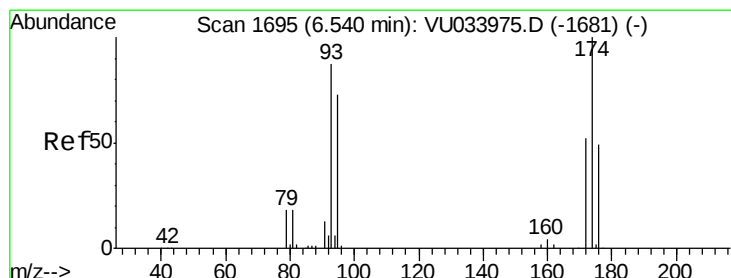
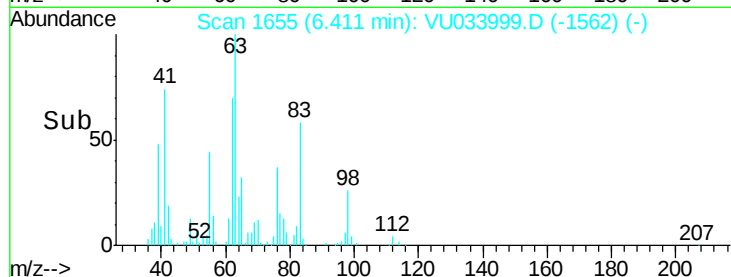
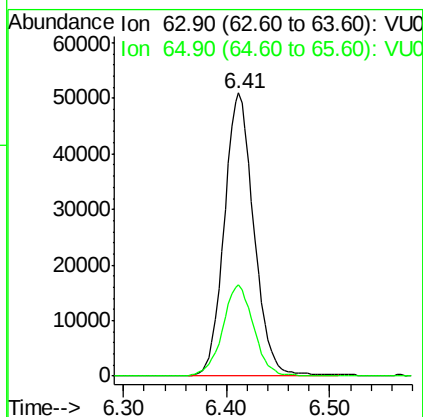
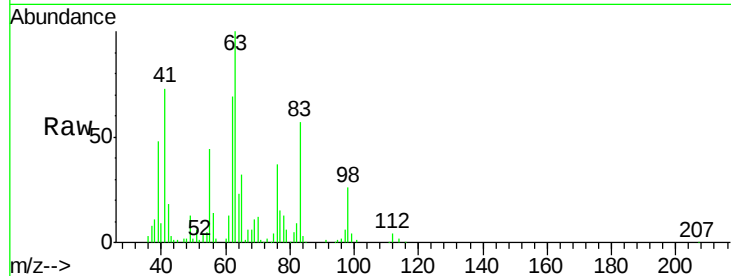
65 31.9 24.3 36.5

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#46

Dibromomethane

Concen: 20.233 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

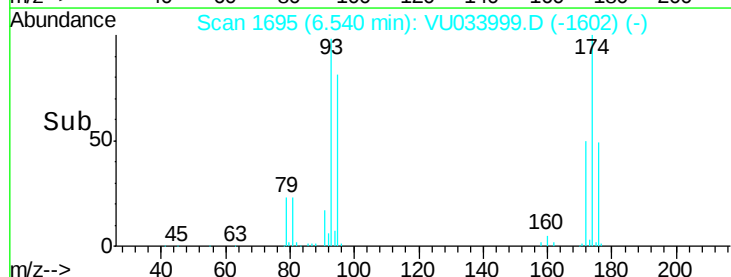
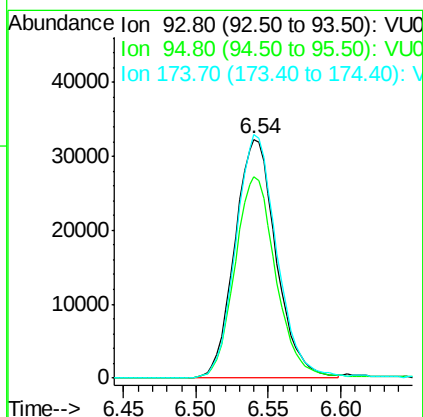
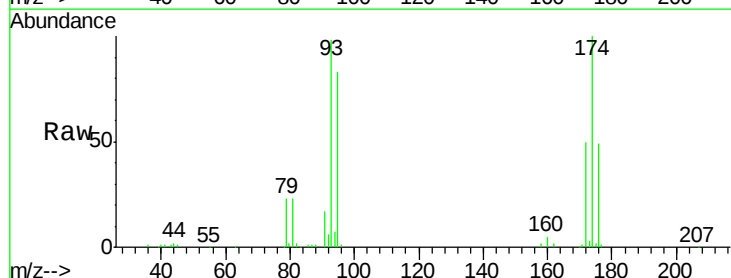
Tgt Ion: 93 Resp: 63965

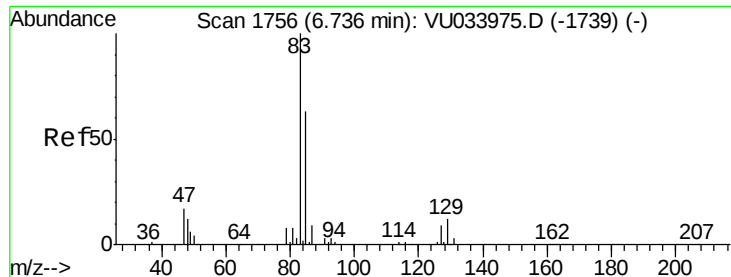
Ion Ratio Lower Upper

93 100

95 84.2 66.2 99.4

174 101.2 92.2 138.2





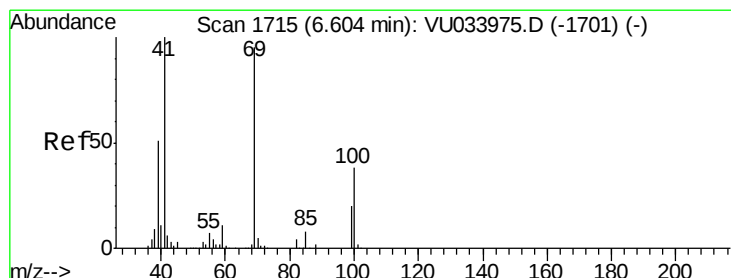
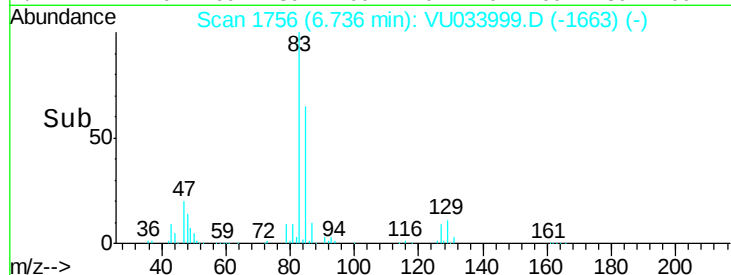
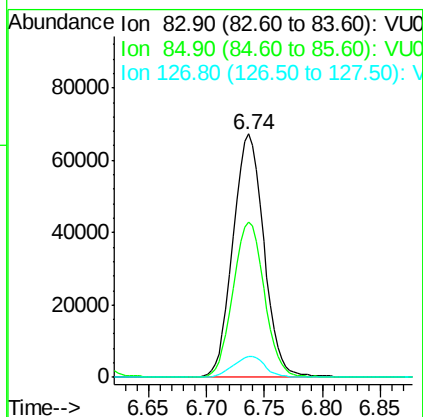
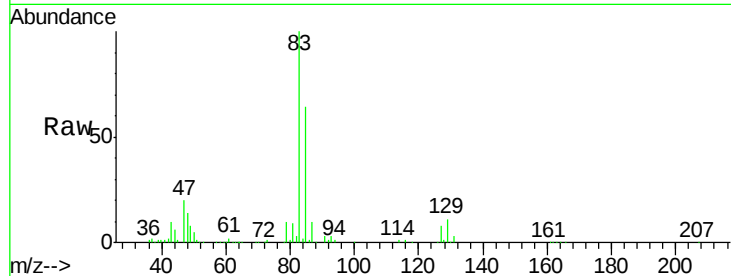
#47
Bromodichloromethane
Concen: 20.677 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	124505		
85	63.8	50.6	76.0	
127	8.4	7.4	11.0	

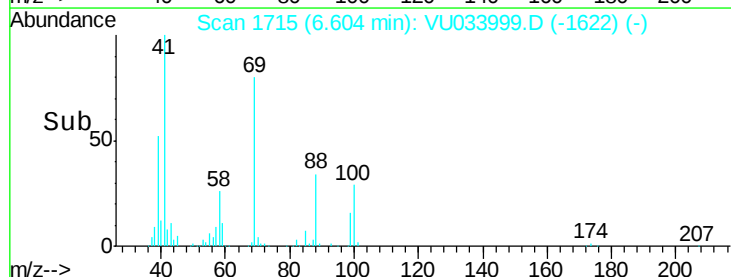
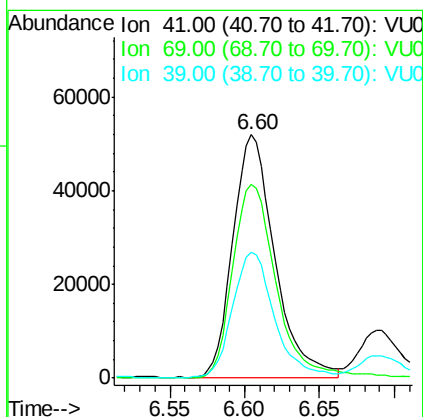
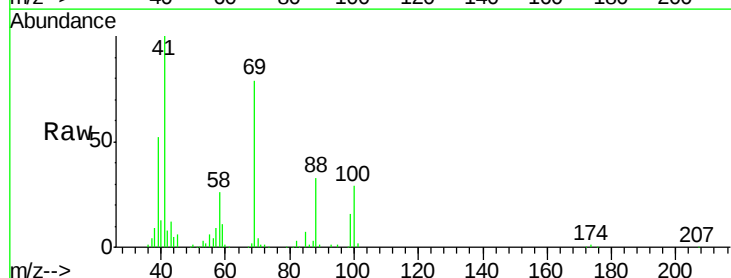
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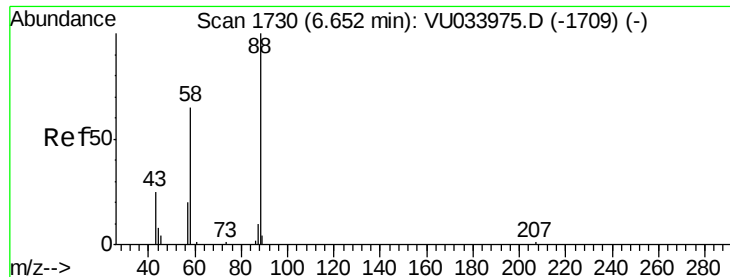
MMDadoda
8/28/2019 10:00:48 AM



#48
Methyl methacrylate
Concen: 23.604 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	100866		
69	83.9	76.3	114.5	
39	52.4	41.1	61.7	





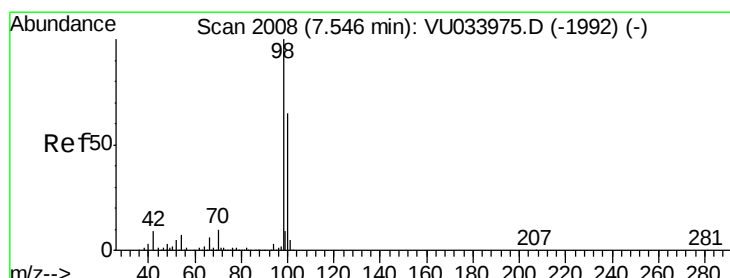
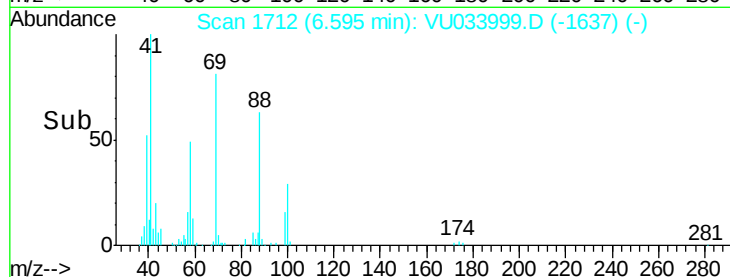
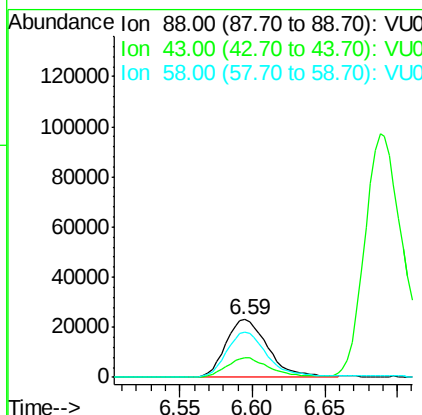
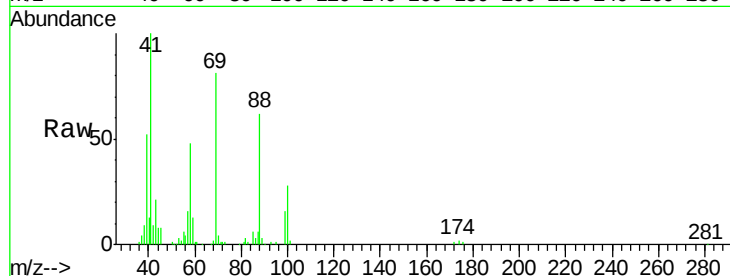
#49
1,4-Dioxane
Concen: 398.731 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. -0.06 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	0.0	0.0#
58	76.8	56.6	85.0

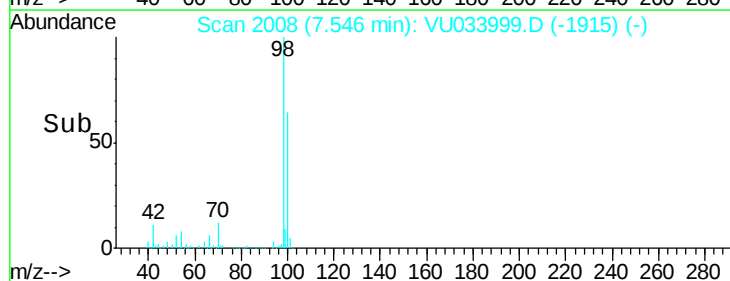
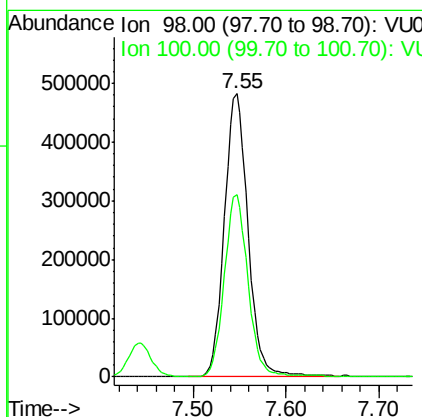
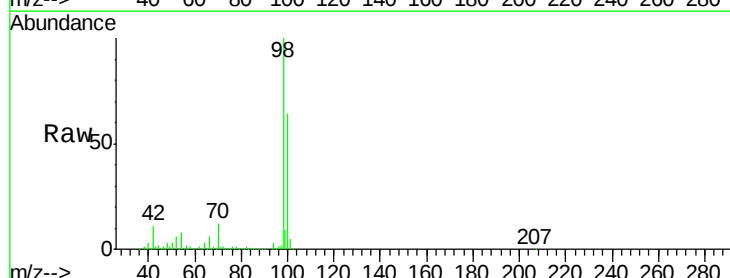
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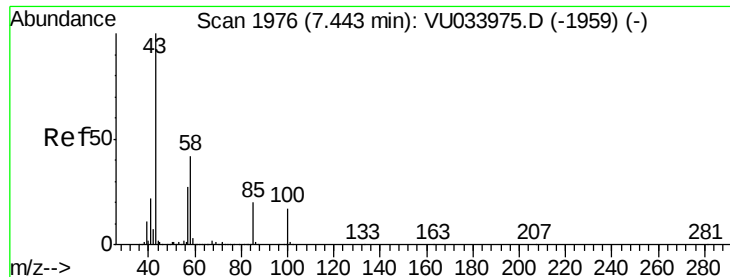
MMDadoda
8/28/2019 10:00:48 AM



#50
Toluene-d8
Concen: 54.139 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





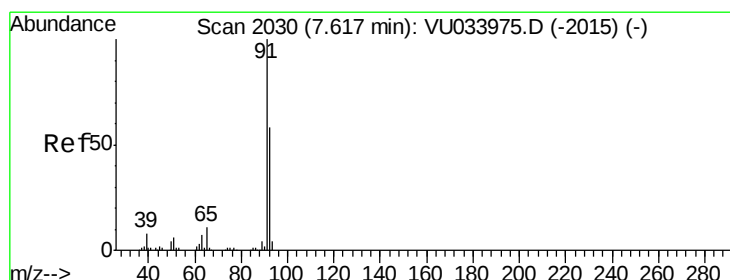
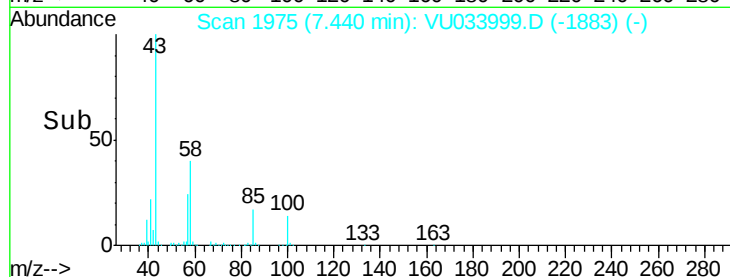
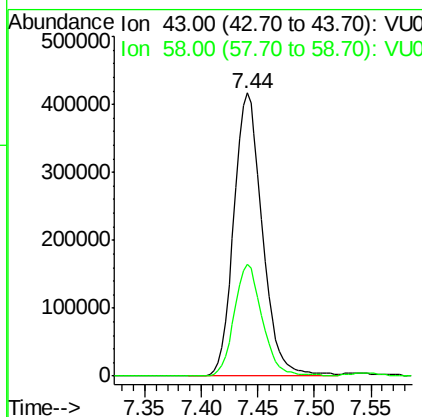
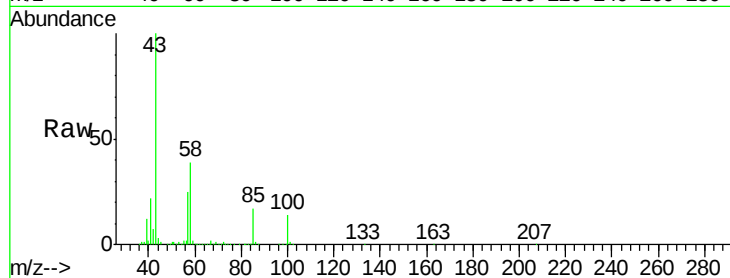
#51
4-Methyl-2-Pentanone
Concen: 118.197 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	33.6	50.4

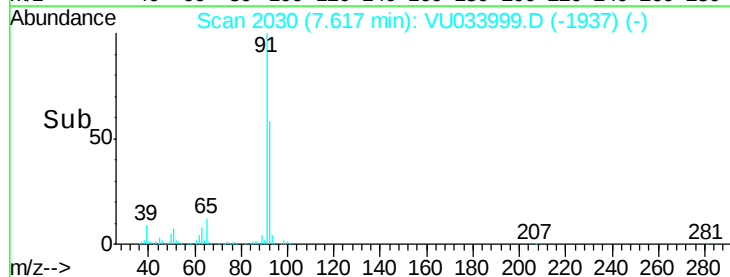
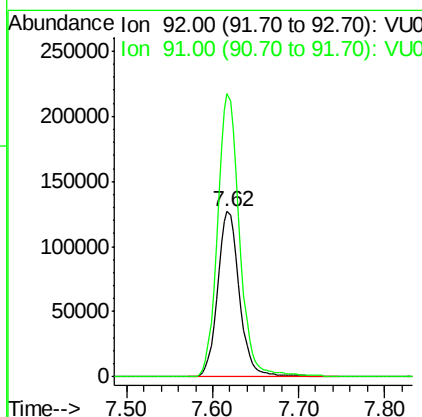
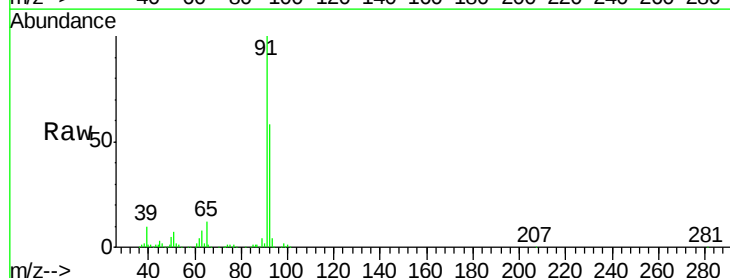
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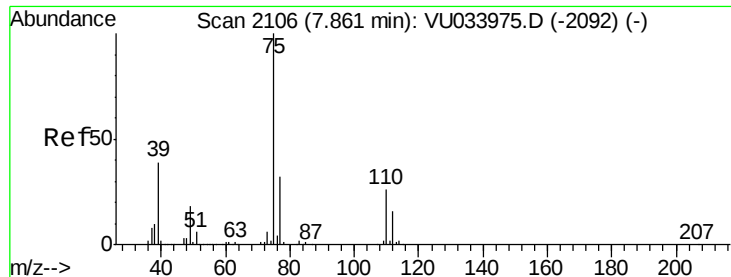
MMDadoda
8/28/2019 10:00:48 AM



#52
Toluene
Concen: 20.609 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.8	208.2





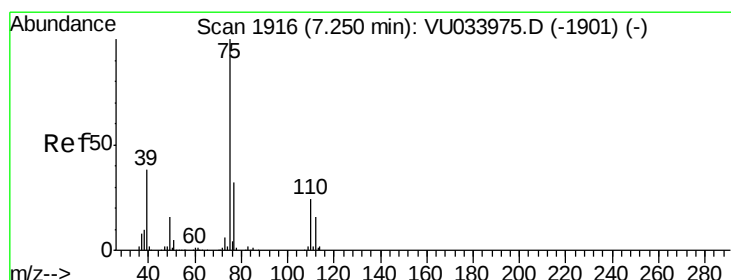
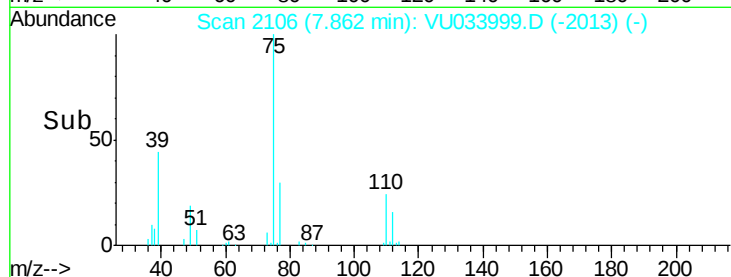
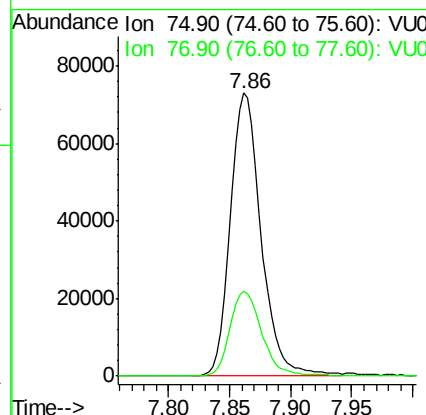
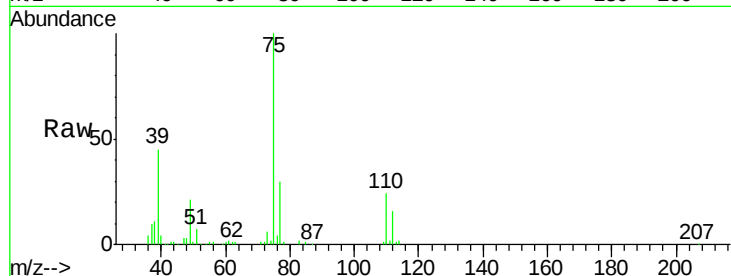
#53
t-1,3-Dichloropropene
Concen: 19.446 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.2

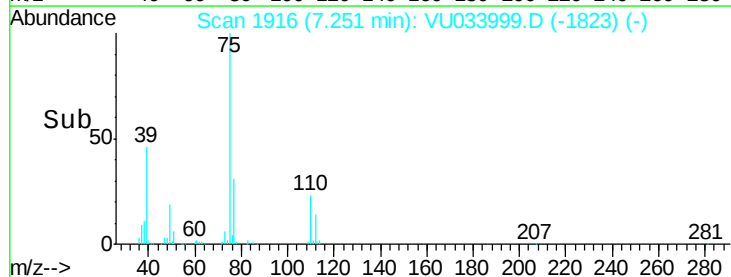
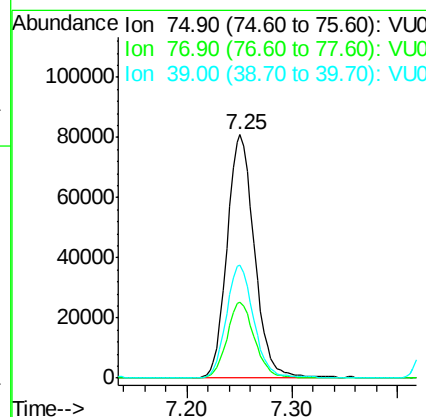
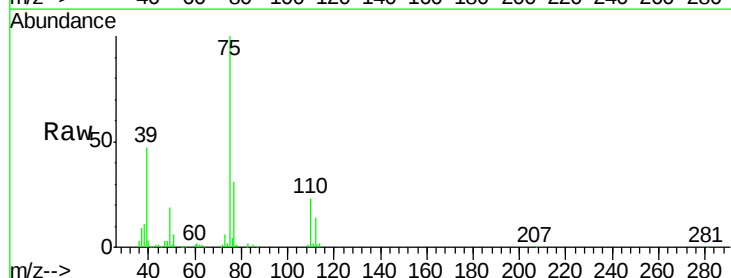
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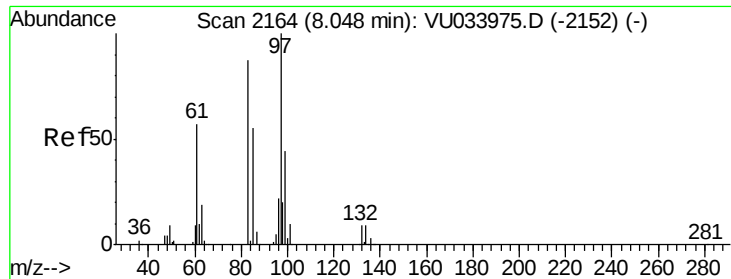
MMDadoda
8/28/2019 10:00:48 AM



#54
cis-1,3-Dichloropropene
Concen: 20.228 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	46.4	30.7	46.1#





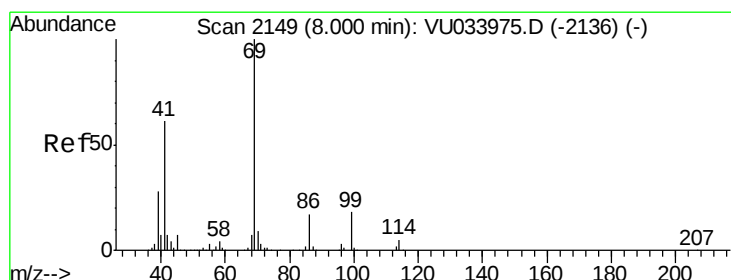
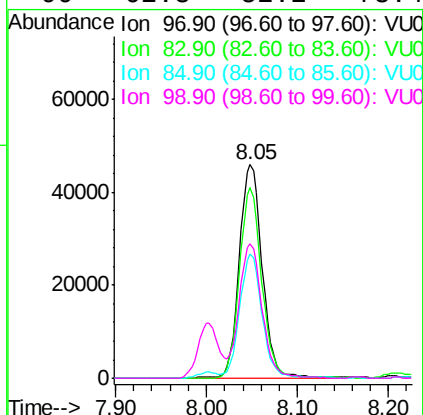
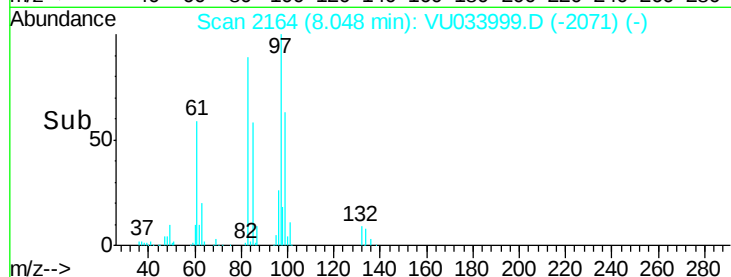
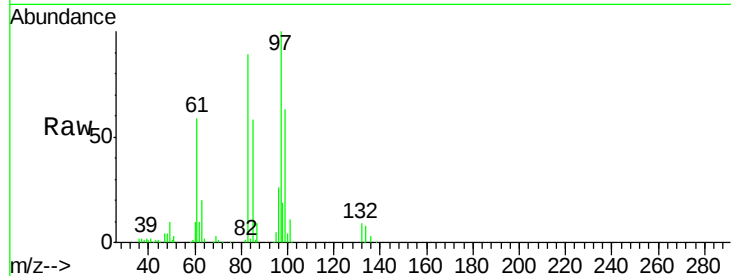
#55
 1,1,2-Trichloroethane
 Concen: 17.433 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion:	97	Resp:	80706
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.6
85	58.2	45.2	67.8
99	62.8	52.2	78.4

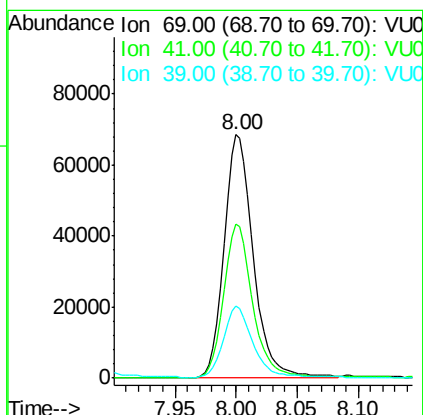
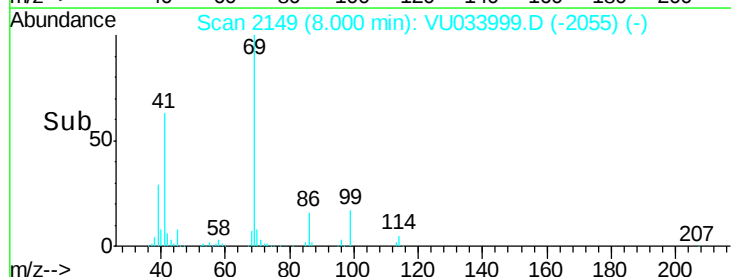
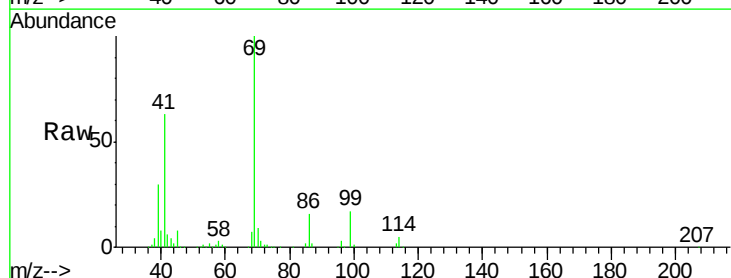
Manual Integrations
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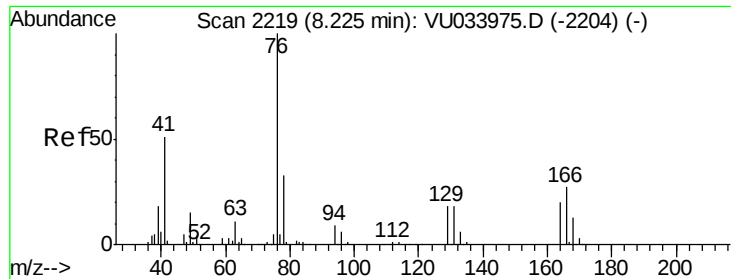
MMDadoda
 8/28/2019 10:00:48 AM



#56
 Ethyl methacrylate
 Concen: 17.540 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion:	69	Resp:	115470
Ion	Ratio	Lower	Upper
69	100		
41	62.4	48.6	72.8
39	29.4	22.4	33.6





#57

1,3-Dichloropropane

Concen: 18.105 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tot Ion: 76 Resp: 136597

Ion Ratio Lower Upper

76 100

78 31.6 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

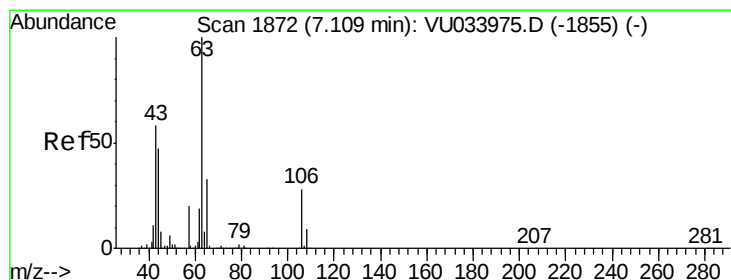
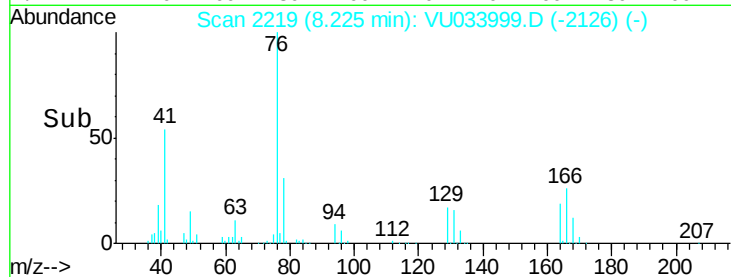
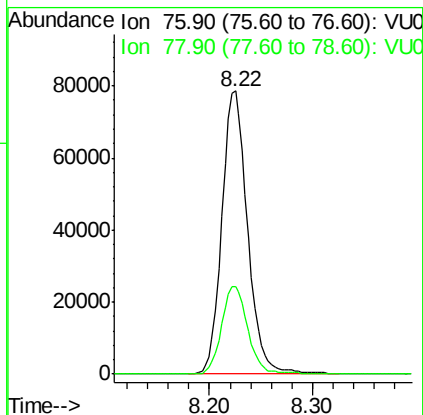
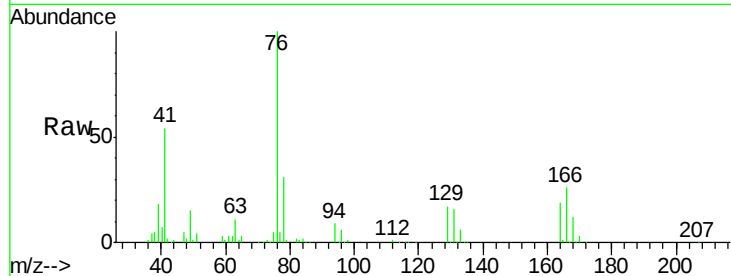
VU0828WBSD02

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8/28/2019 10:00:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 109.231 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU033999.D

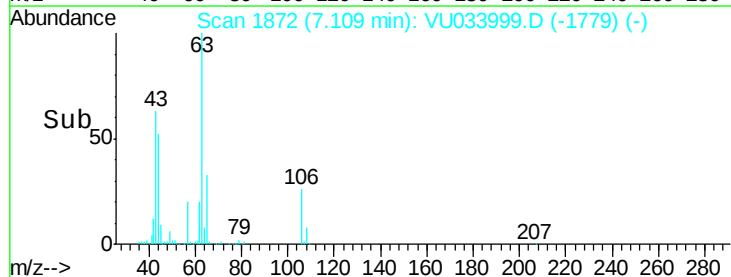
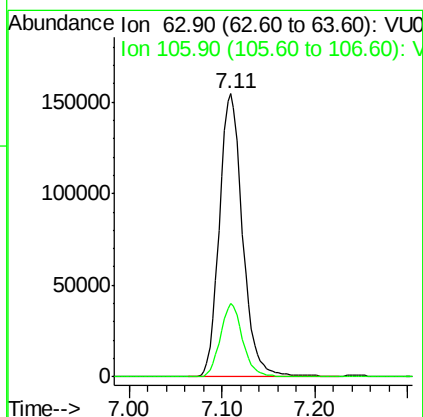
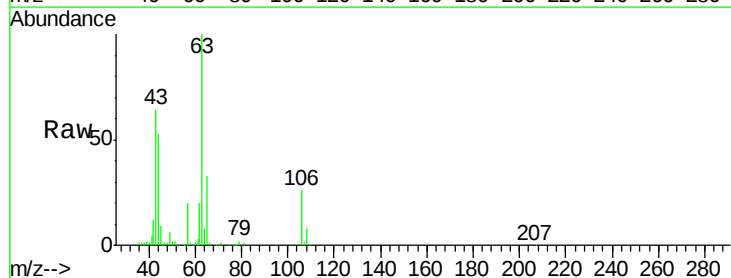
Acq: 28 Aug 2019 03:03

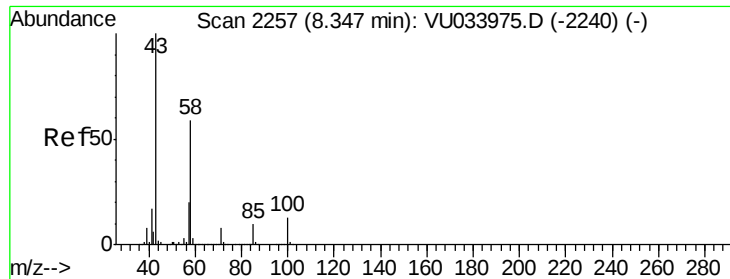
Tgt Ion: 63 Resp: 269985

Ion Ratio Lower Upper

63 100

106 24.8 22.4 33.6





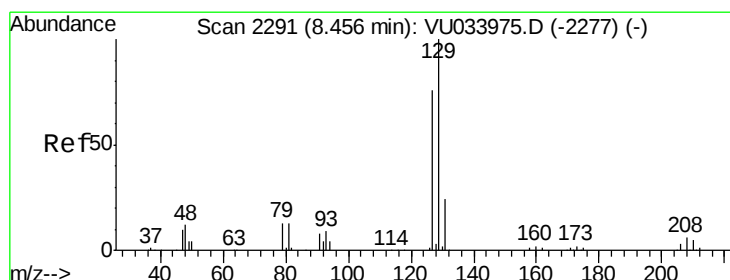
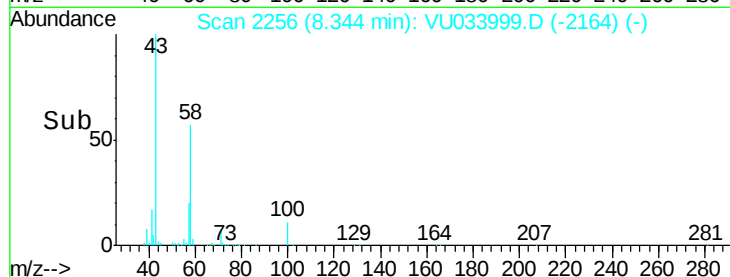
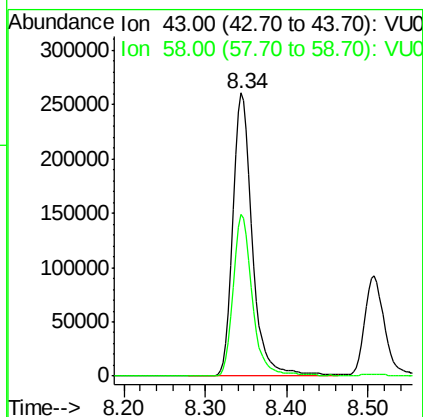
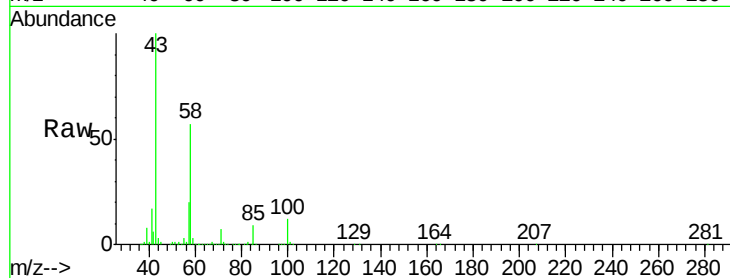
#59
2-Hexanone
Concen: 92.187 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	29.5	88.6

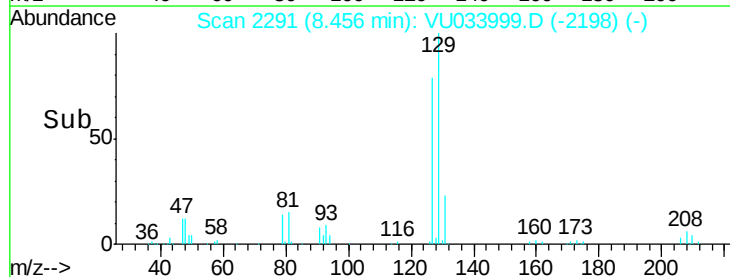
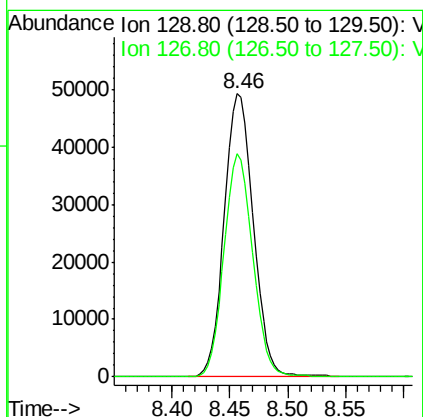
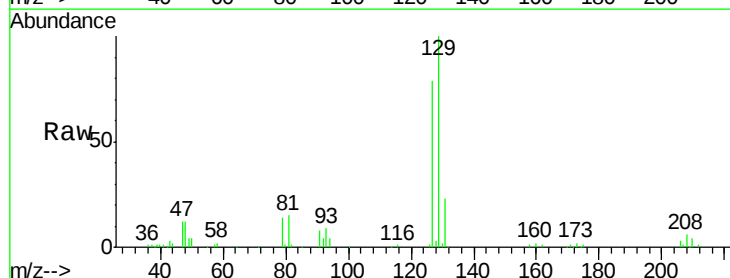
Manual Integrations
APPROVED

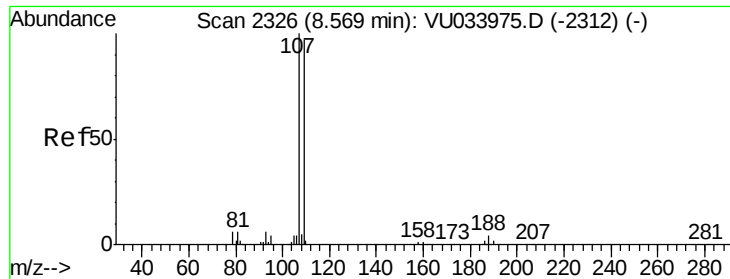
MMDadoda
8/28/2019 10:00:48 AM



#60
Dibromochloromethane
Concen: 16.473 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.4





#61

1,2-Dibromoethane

Concen: 16.901 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion:107 Resp: 82632

Ion Ratio Lower Upper

107 100

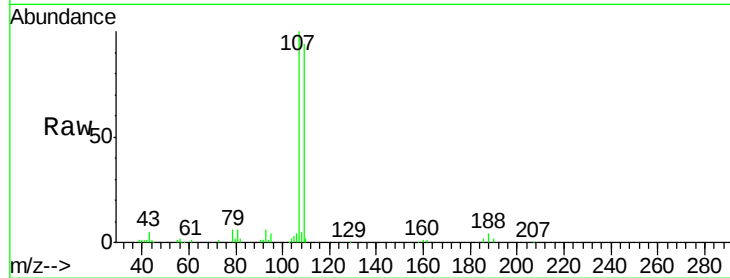
109 94.5 75.7 113.5

Manual Integrations

APPROVED

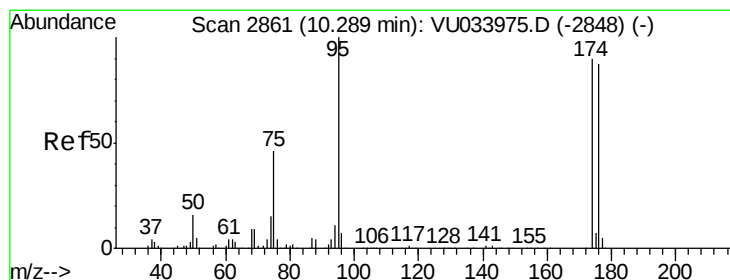
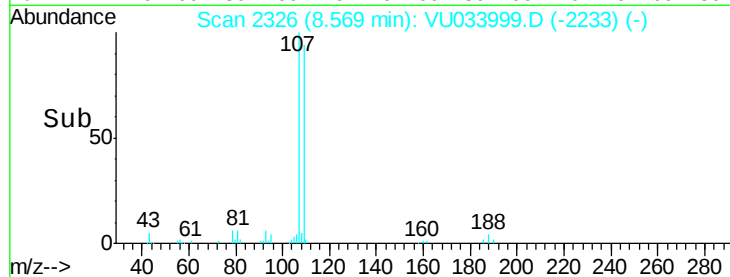
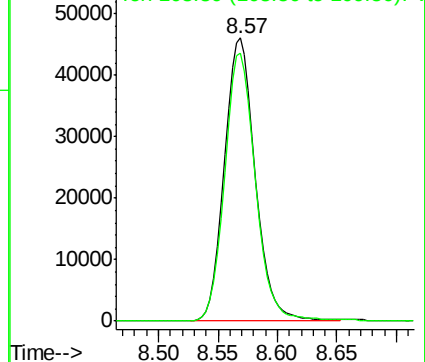
MMDadoda

8/28/2019 10:00:48 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.618 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

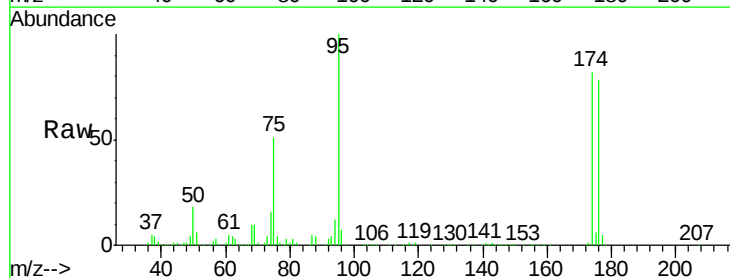
Tgt Ion: 95 Resp: 307175

Ion Ratio Lower Upper

95 100

174 81.8 0.0 183.8

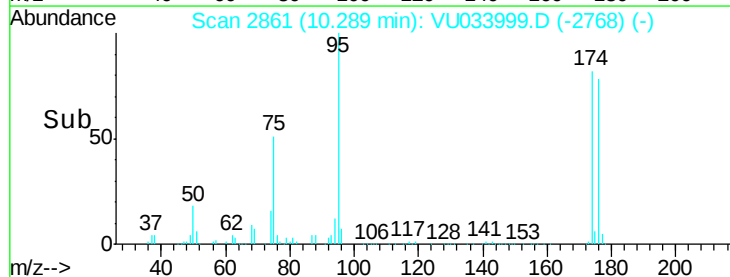
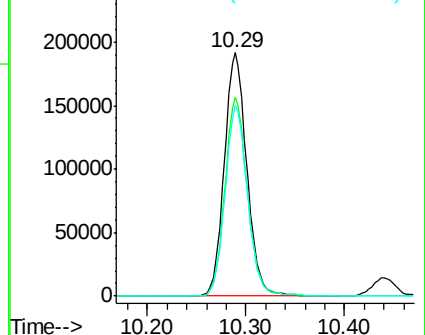
176 78.6 0.0 176.4

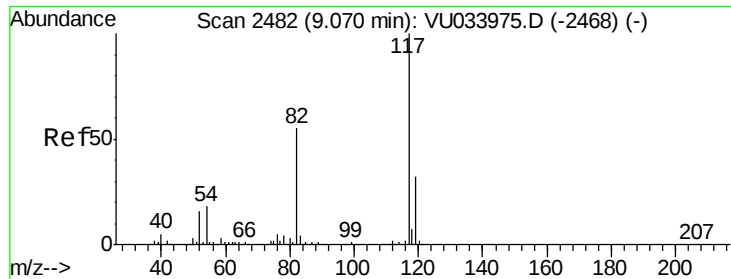


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





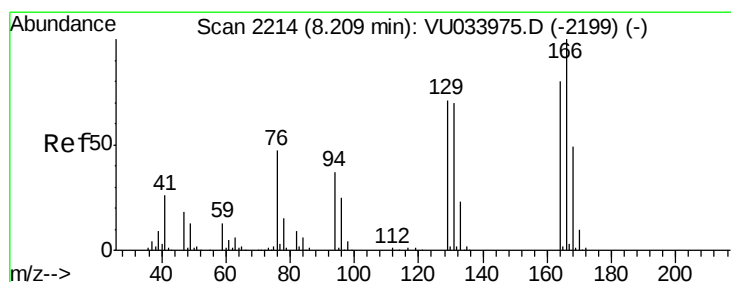
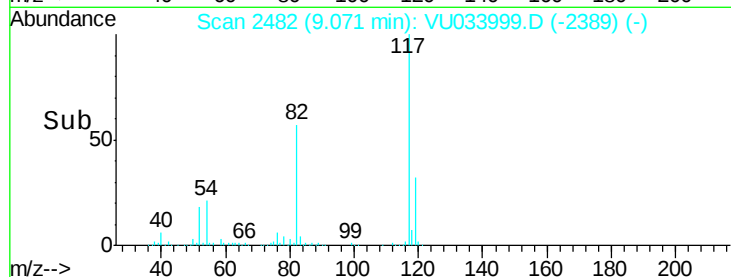
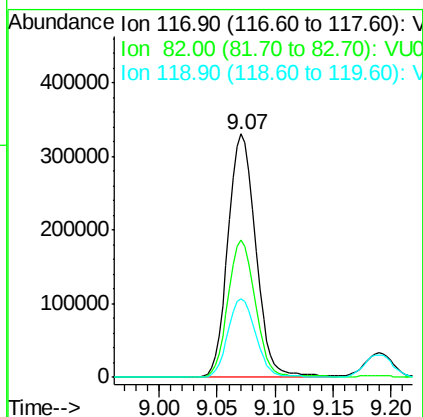
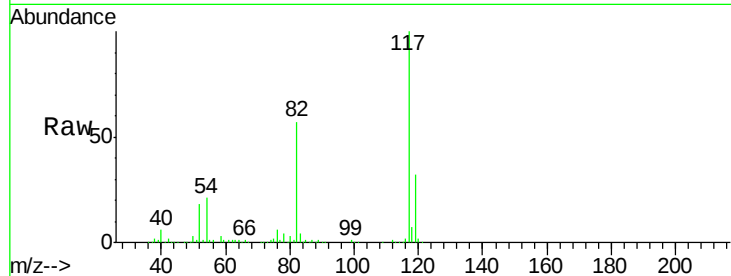
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	551771		
82	56.6		43.8	65.8
119	32.4		25.7	38.5

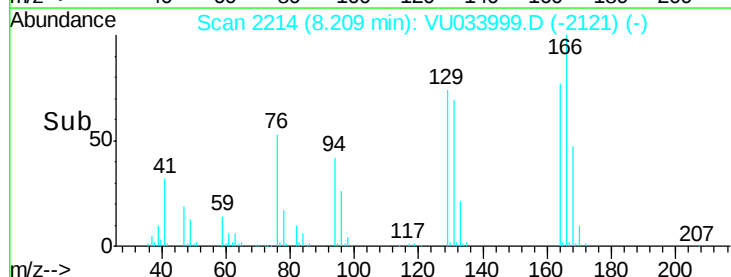
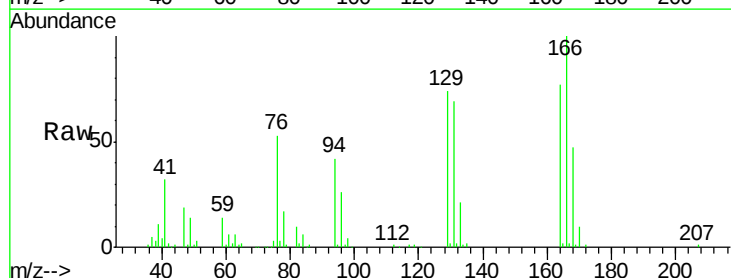
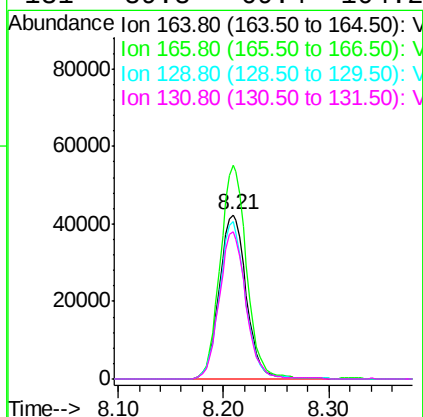
Manual Integrations
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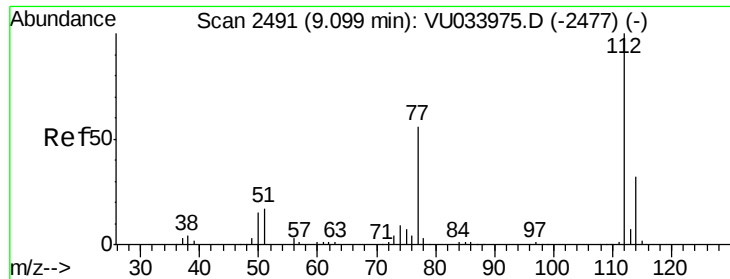
MMDadoda
8/28/2019 10:00:48 AM



#64
Tetrachloroethene
Concen: 16.914 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75039		
166	130.1		99.5	149.3
129	95.7		70.9	106.3
131	89.8		69.4	104.2





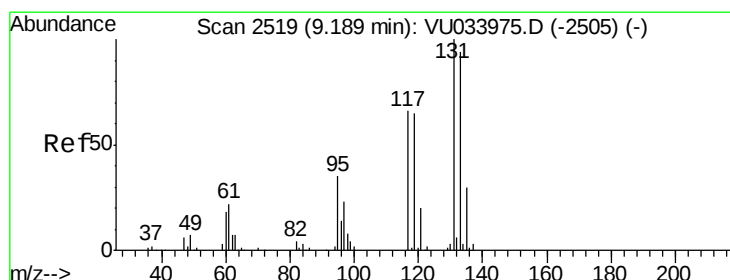
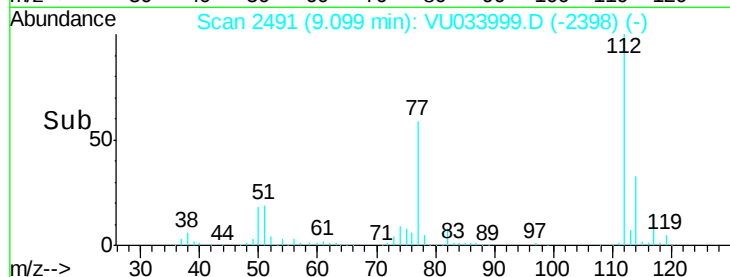
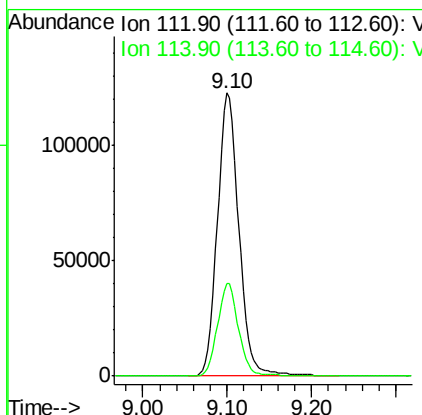
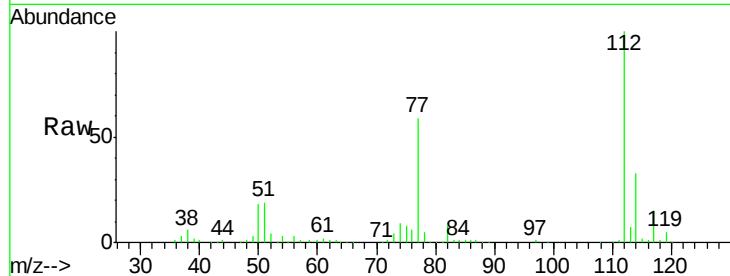
#65
Chlorobenzene
Concen: 19.099 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion:112 Resp: 216996
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

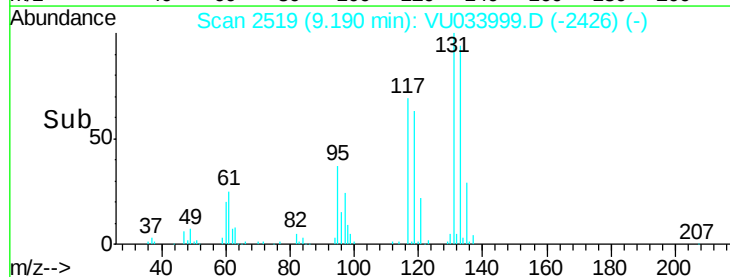
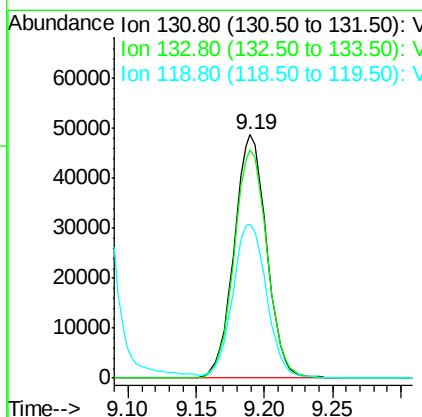
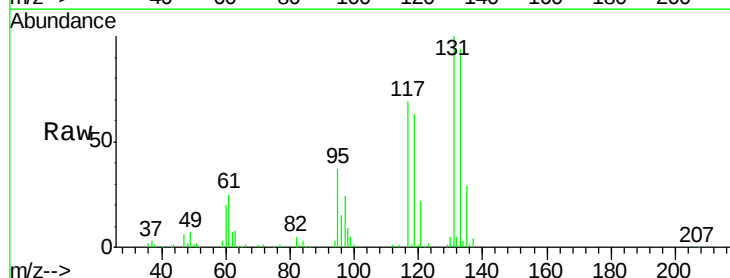
Manual Integrations
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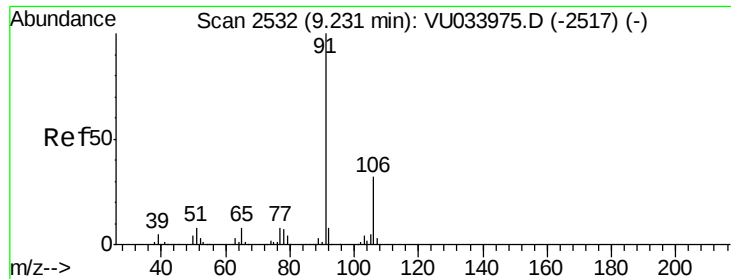
MMDadoda
8/28/2019 10:00:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.021 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion:131 Resp: 80575
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.7 33.0 98.9





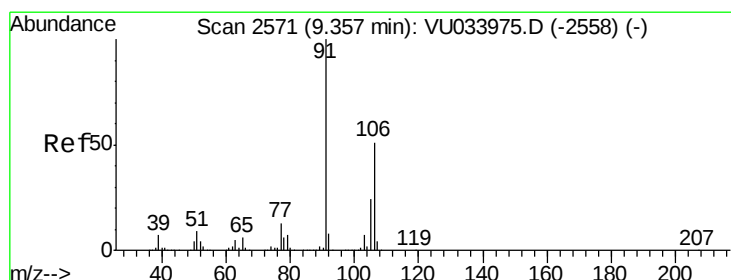
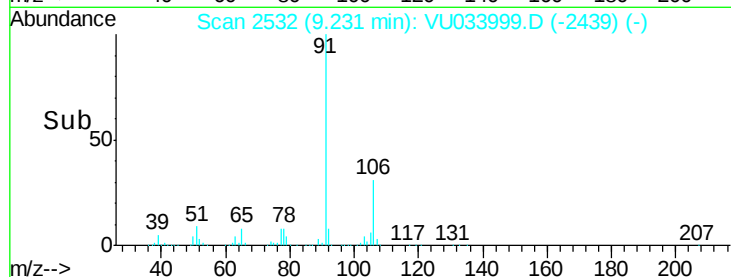
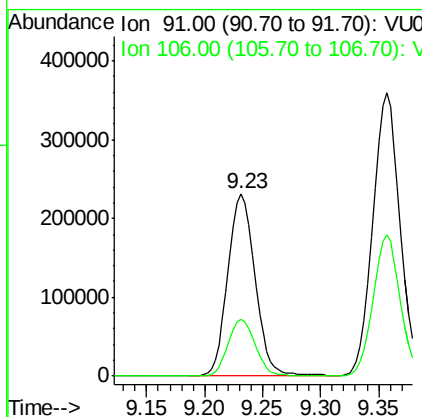
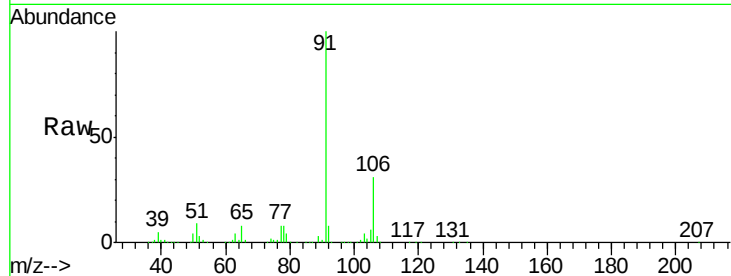
#67
Ethyl Benzene
Concen: 19.937 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	91	Resp	377695
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.4	38.0

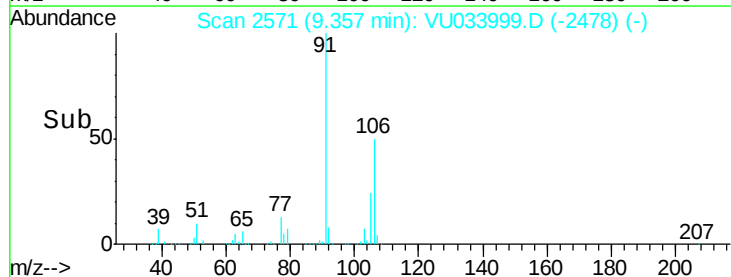
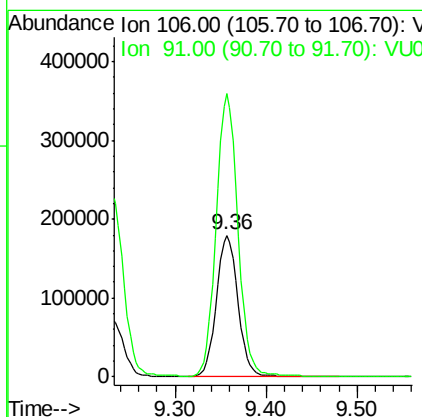
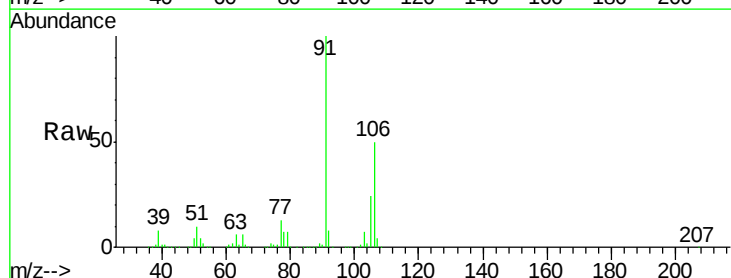
Manual Integrations
APPROVED

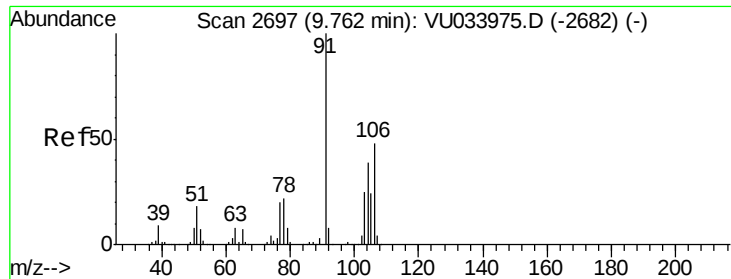
MMDadoda
8/28/2019 10:00:48 AM



#68
m/p-Xylenes
Concen: 40.477 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	106	Resp	295726
Ion Ratio	Lower	Upper	
106	100		
91	201.1	158.4	237.6





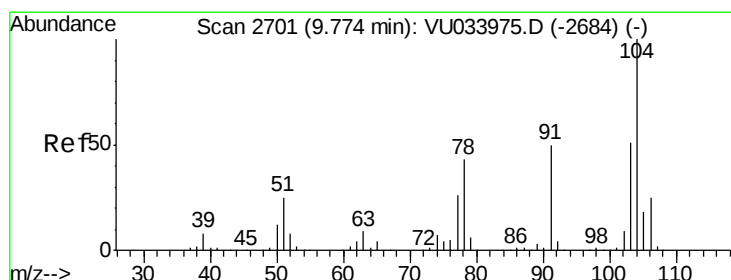
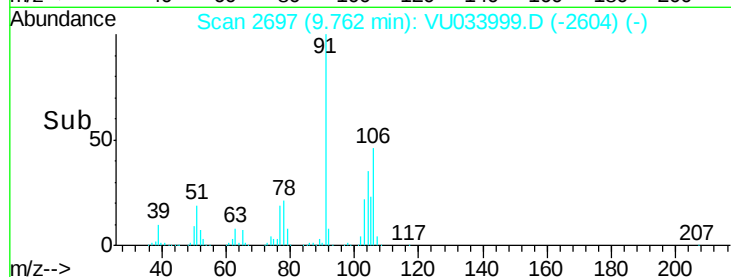
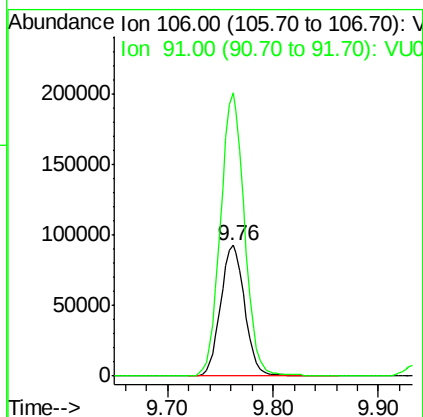
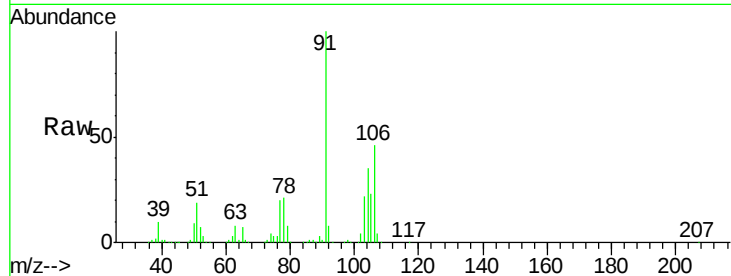
#69
o-Xylene
Concen: 21.053 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion:106 Resp: 147055
Ion Ratio Lower Upper
106 100
91 215.5 104.5 313.3

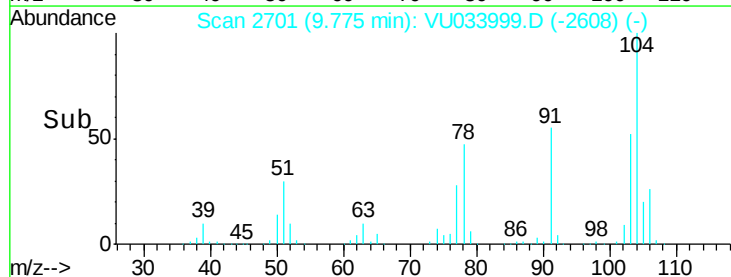
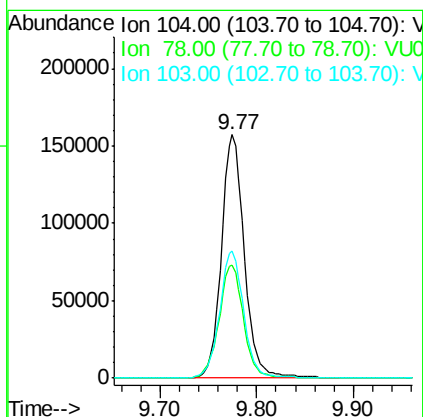
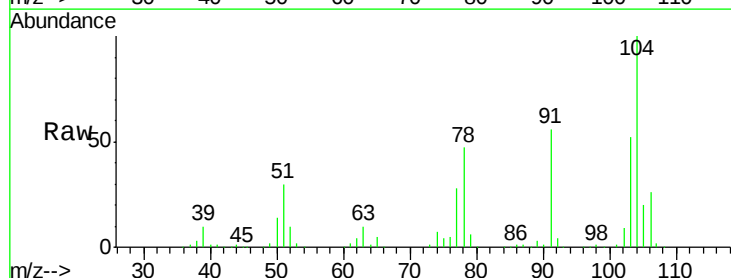
Manual Integrations
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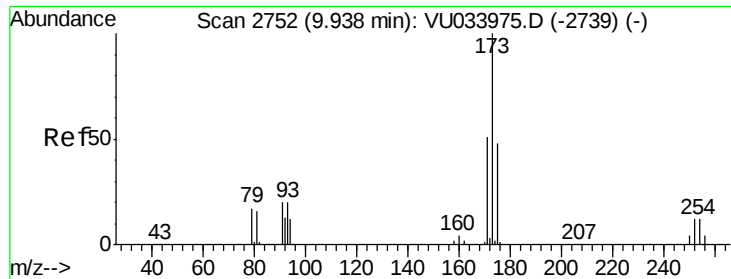
MMDadoda
8/28/2019 10:00:48 AM



#70
Styrene
Concen: 21.633 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion:104 Resp: 258613
Ion Ratio Lower Upper
104 100
78 50.0 37.5 56.3
103 55.0 43.9 65.9





#71

Bromoform

Concen: 19.309 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion:173 Resp: 72408

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.9

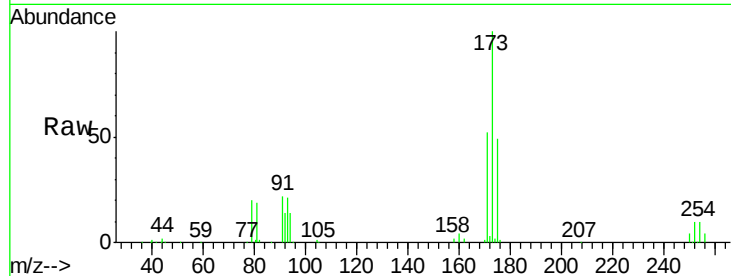
254 0.0 0.1 0.1#

Manual Integrations

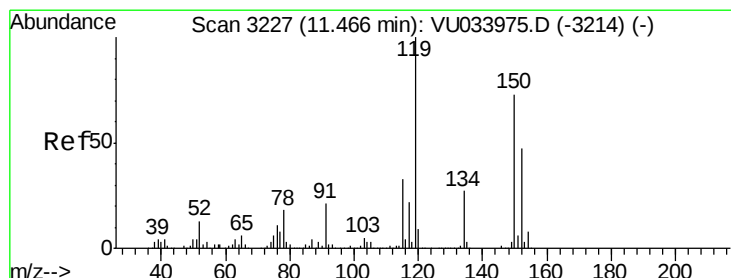
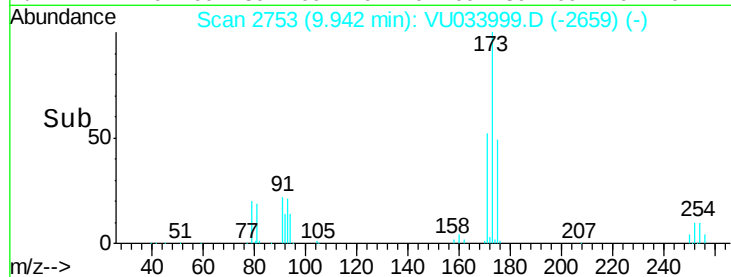
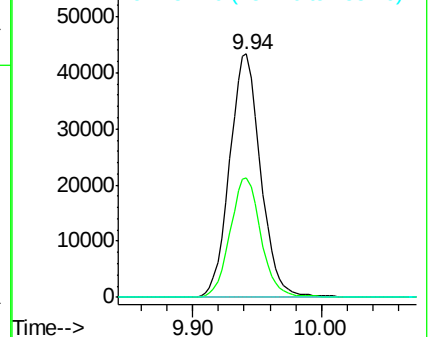
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

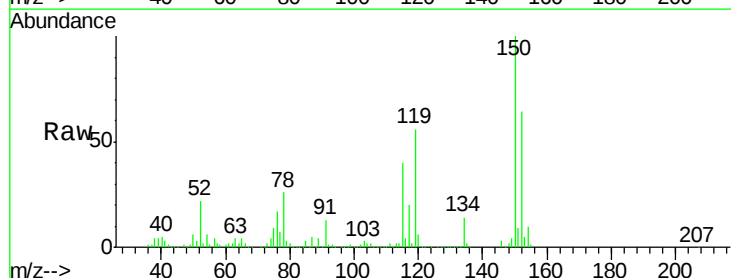
Tgt Ion:152 Resp: 306883

Ion Ratio Lower Upper

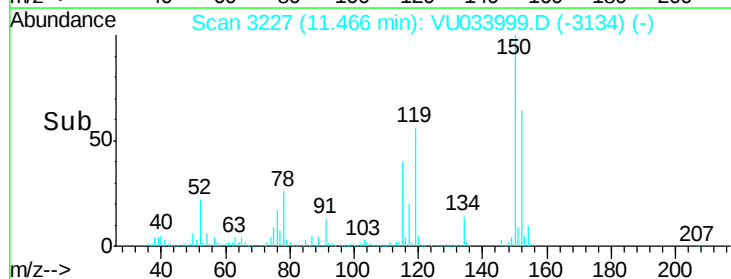
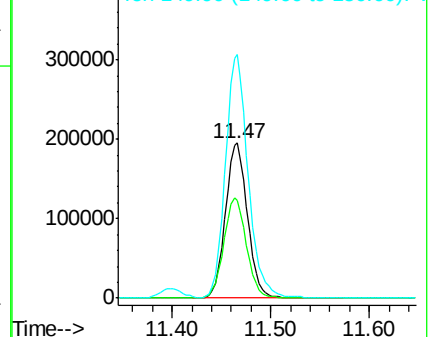
152 100

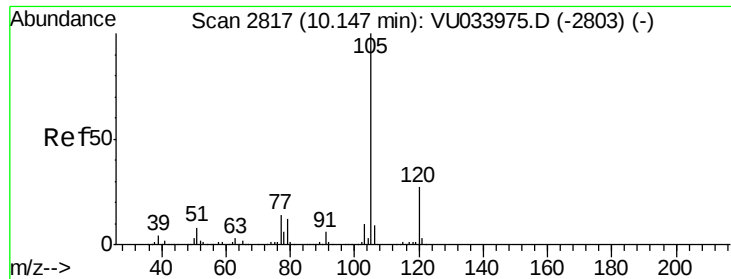
115 66.4 38.6 115.7

150 161.0 0.0 343.8



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





#73

Isopropylbenzene

Concen: 20.462 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 105 Resp: 404149

Ion Ratio Lower Upper

105 100

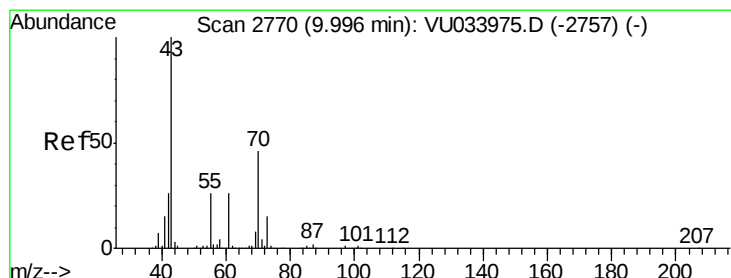
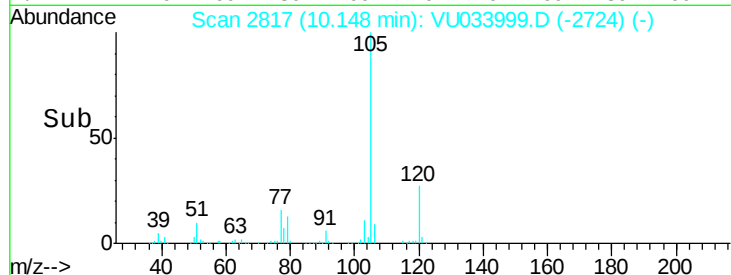
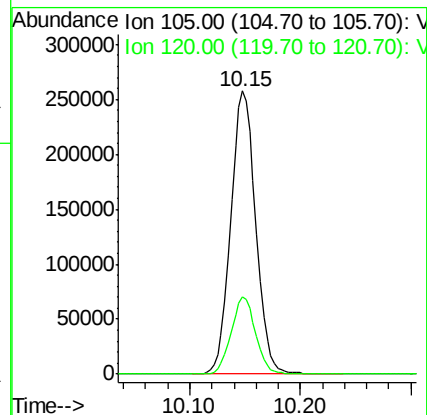
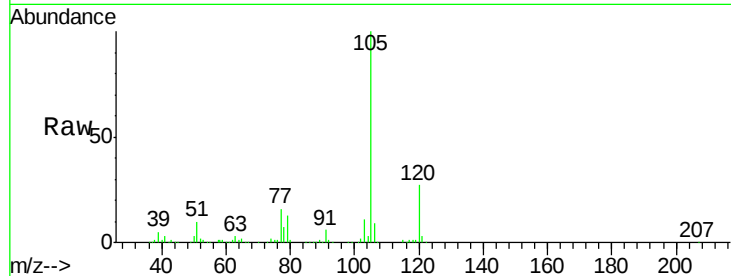
120 26.8 13.5 40.5

Manual Integrations

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8/28/2019 10:00:48 AM



#74

N-ethyl acetate

Concen: 24.599 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion: 43 Resp: 182378

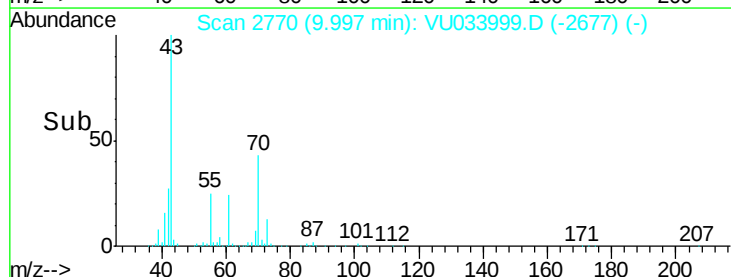
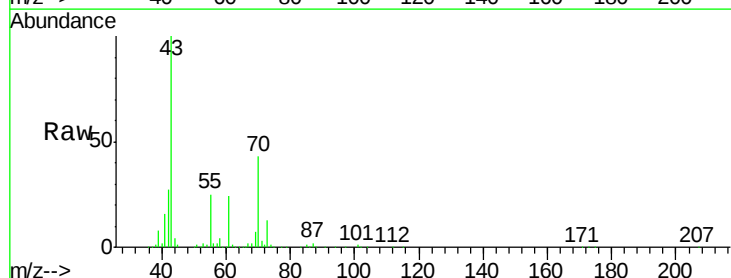
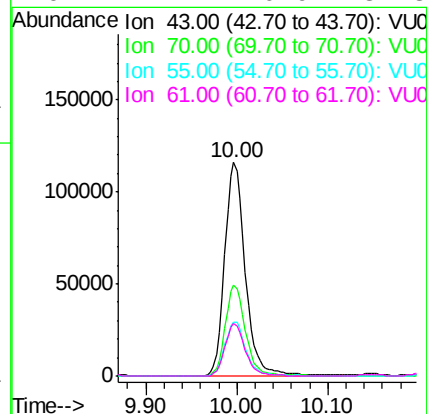
Ion Ratio Lower Upper

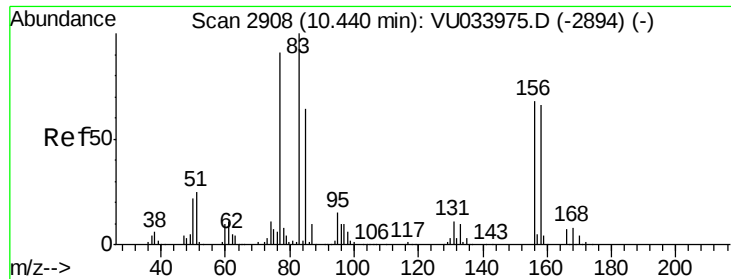
43 100

70 41.6 37.4 56.0

55 25.8 21.0 31.4

61 24.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.015 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 83 Resp: 156605

Ion Ratio Lower Upper

83 100

131 9.8 5.3 16.1

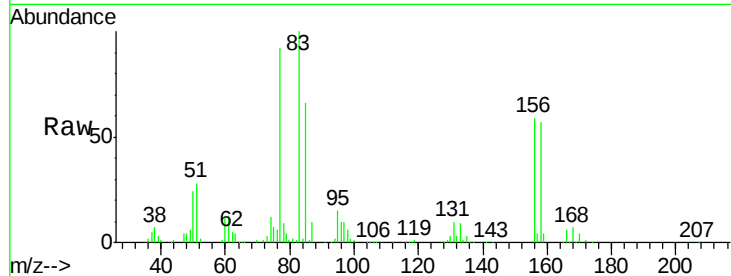
85 65.6 32.0 96.0

Manual Integrations

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8/28/2019 10:00:48 AM

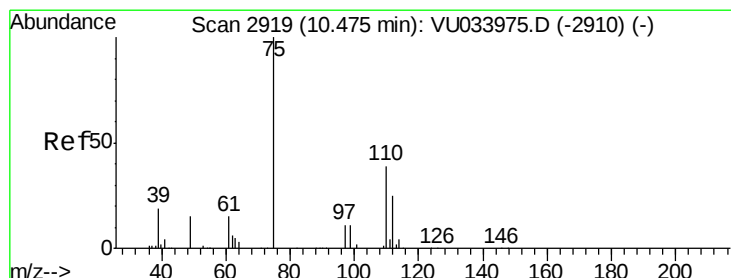
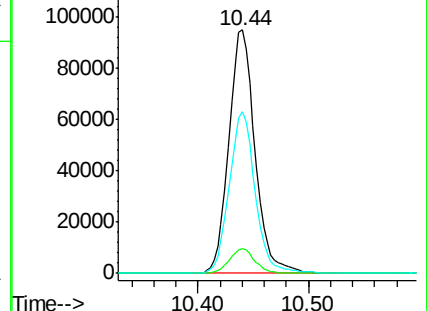
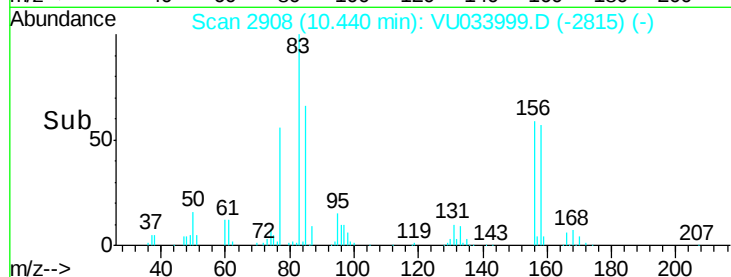


Abundance Ion 82.90 (82.60 to 83.60): VU033999.D (-2815) (-)

Ion 130.80 (130.50 to 131.50): VU033999.D (-2815) (-)

Ion 84.90 (84.60 to 85.60): VU033999.D (-2815) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.053 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033999.D

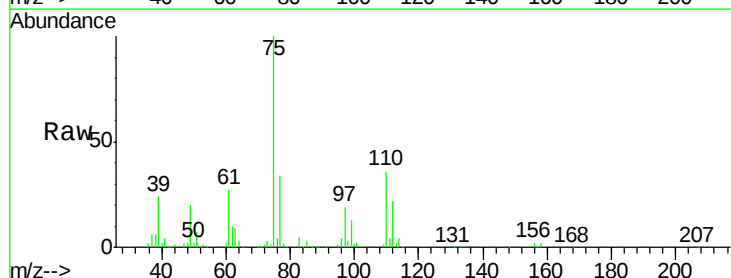
Acq: 28 Aug 2019 03:03

Tgt Ion: 75 Resp: 134847

Ion Ratio Lower Upper

75 100

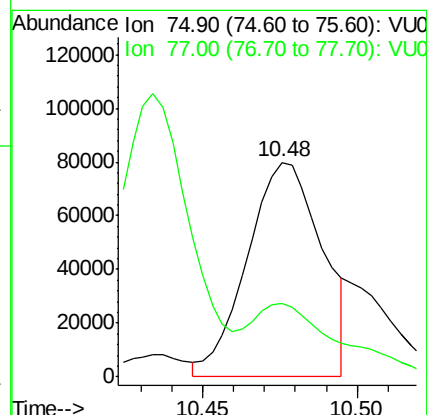
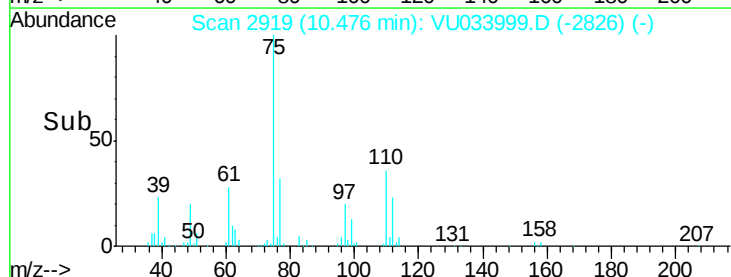
77 39.2 21.0 63.0

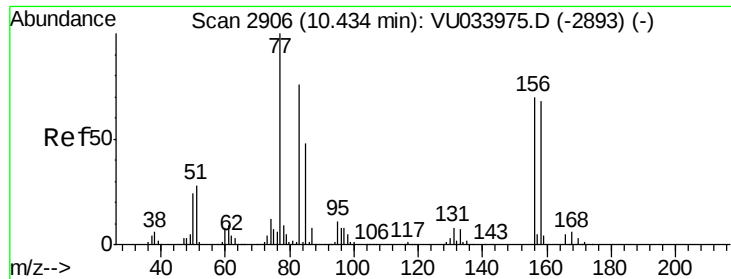


Abundance Ion 74.90 (74.60 to 75.60): VU033999.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033999.D (-2826) (-)

Time-->





#77

Bromobenzene

Concen: 19.221 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion:156 Resp: 107278

Ion Ratio Lower Upper

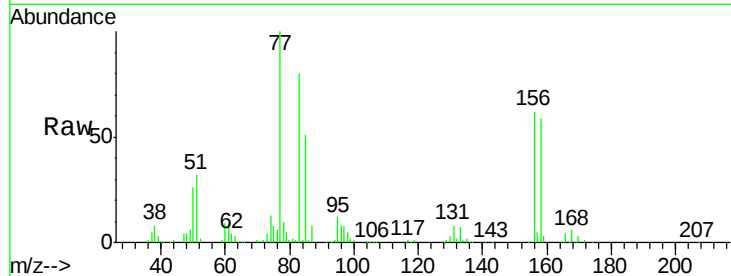
156 100

77 160.2 70.3 211.1

158 95.9 48.3 144.8

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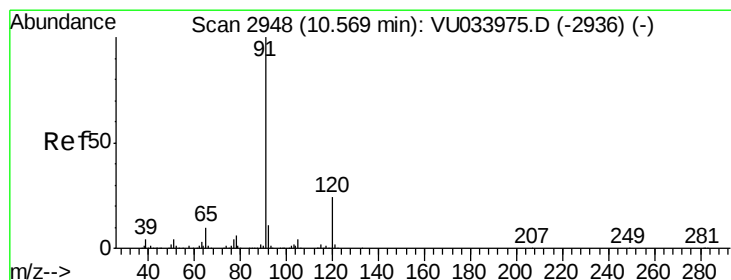
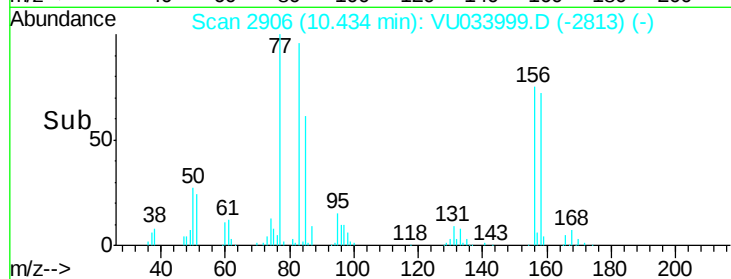
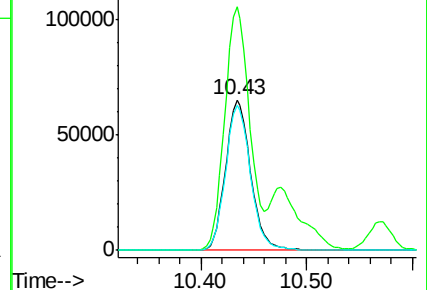
MMDadoda
8/28/2019 10:00:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.016 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033999.D

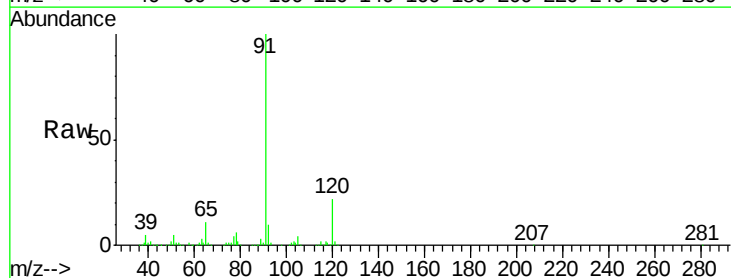
Acq: 28 Aug 2019 03:03

Tgt Ion: 91 Resp: 470731

Ion Ratio Lower Upper

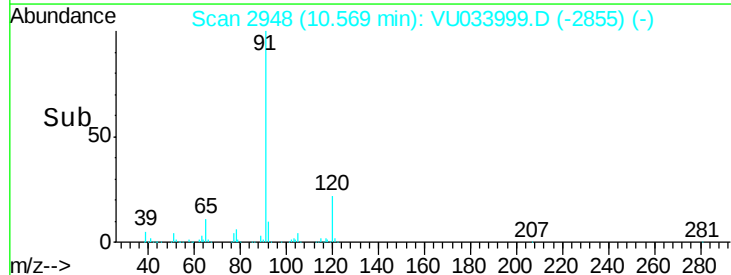
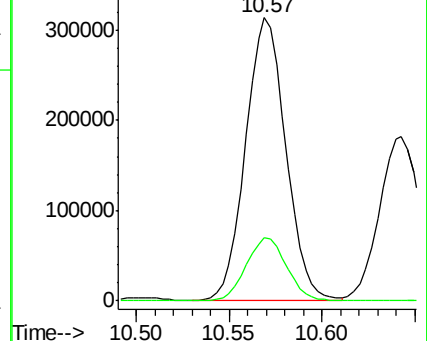
91 100

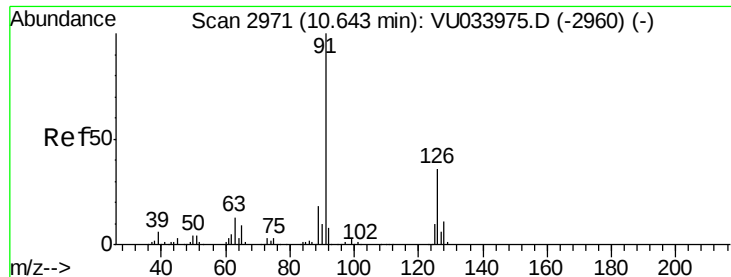
120 22.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.298 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD02

Tot Ion: 91 Resp: 287854

Ion Ratio Lower Upper

91 100

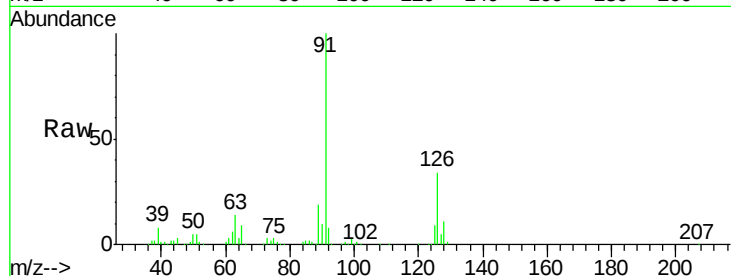
126 33.6 17.8 53.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU033975.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033975.D (-2960) (-)

300000

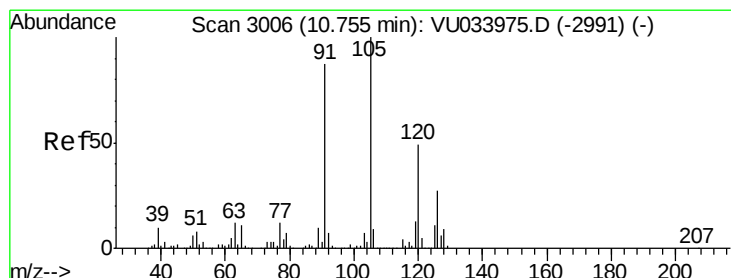
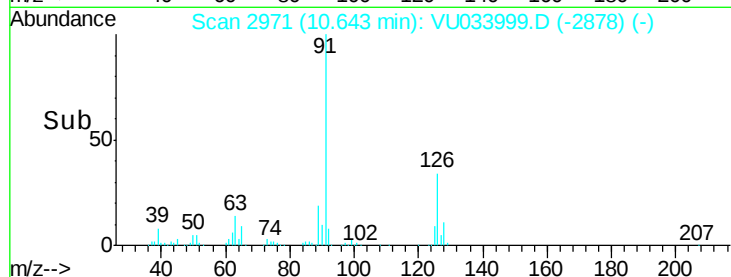
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.028 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033999.D

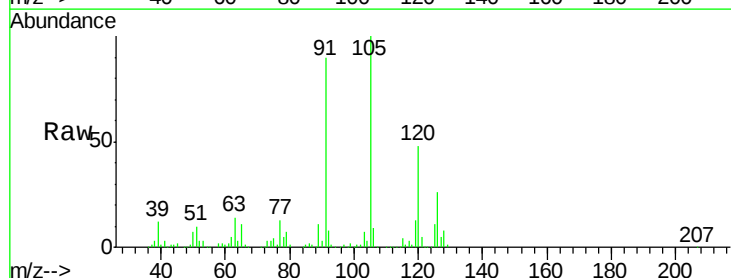
Acq: 28 Aug 2019 03:03

Tgt Ion:105 Resp: 355702

Ion Ratio Lower Upper

105 100

120 47.9 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU033975.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033975.D (-2991) (-)

250000

200000

150000

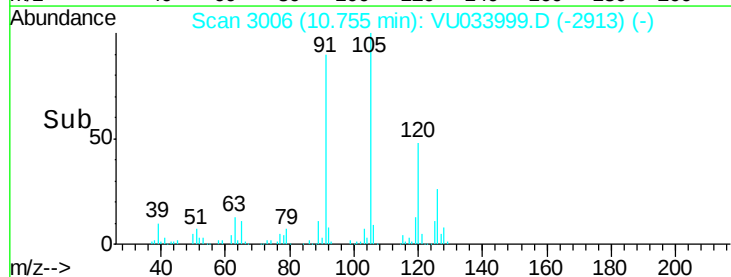
100000

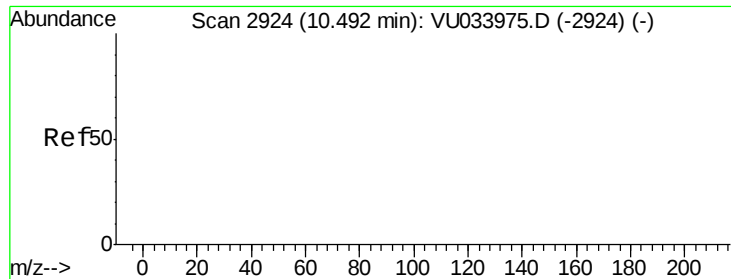
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.293 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

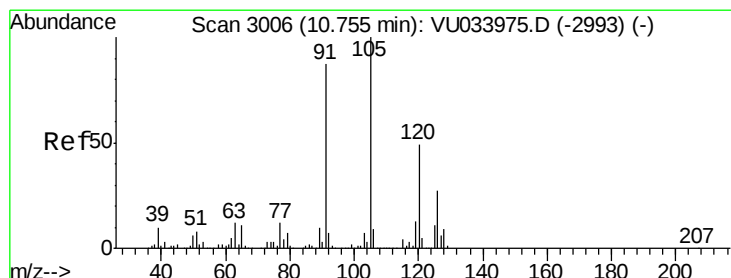
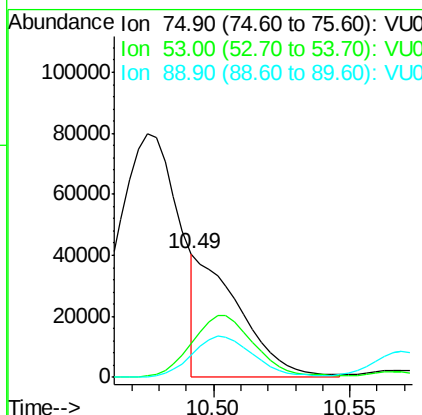
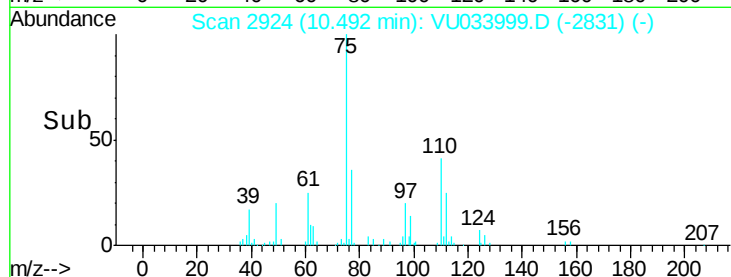
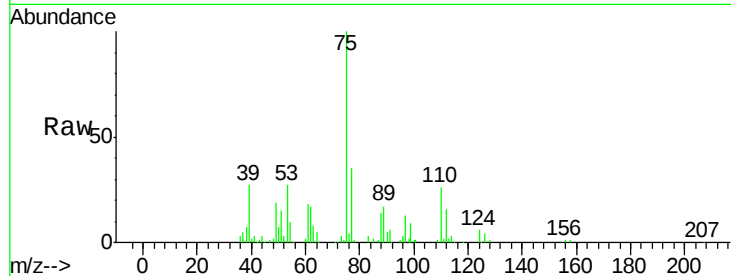
Instrument :
MSVOA_U

ClientSampleId :
VU0828WBSD02

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: 21.107 ug/l

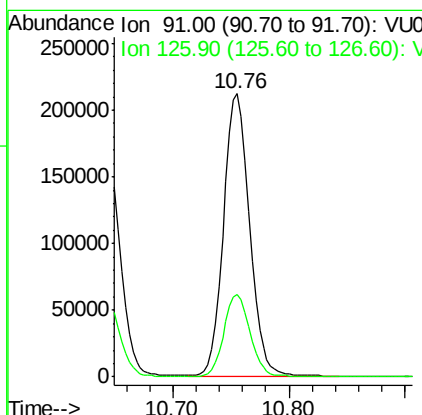
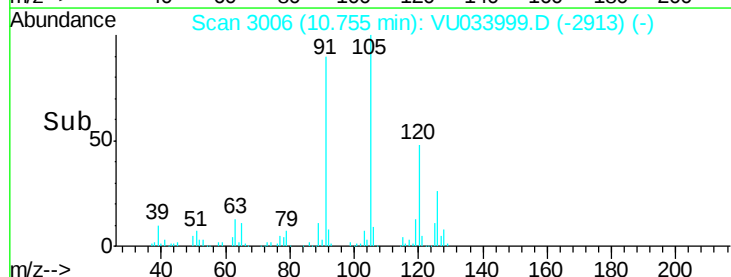
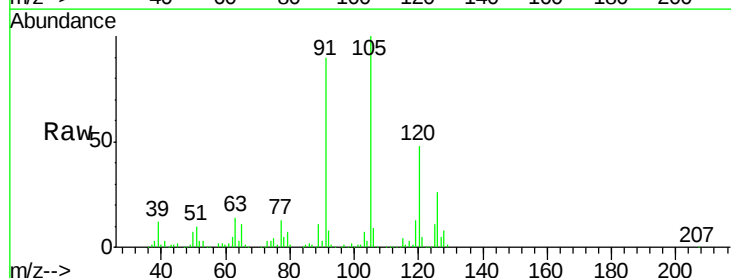
RT: 10.76 min Scan# 3006

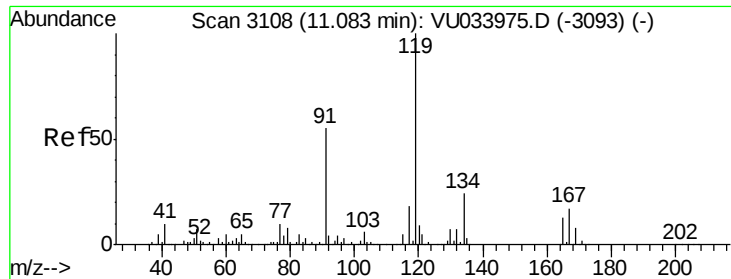
Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	15.4	46.4





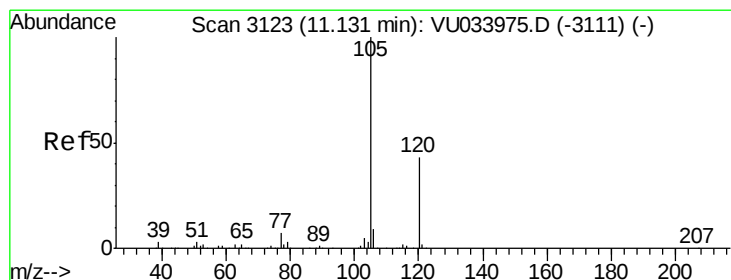
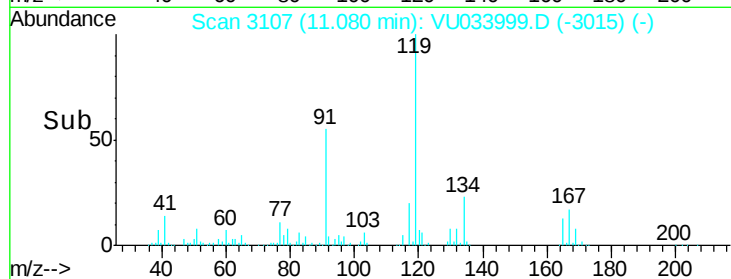
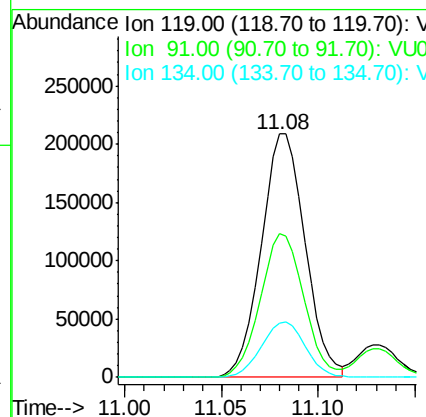
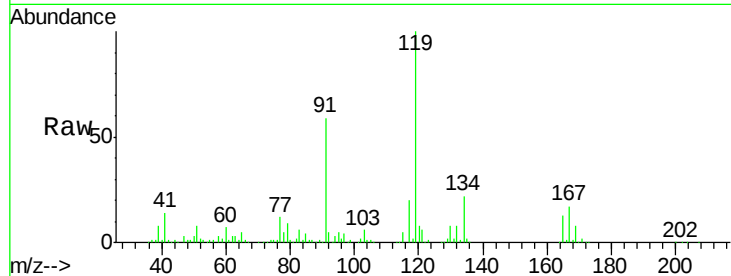
#83
tert-Butylbenzene
Concen: 20.066 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	329490		
91	58.2		27.6	82.8
134	22.9		11.6	34.7

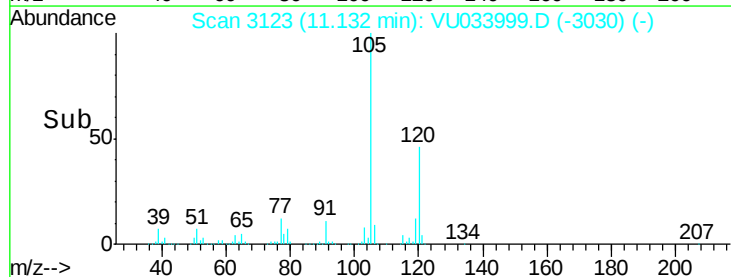
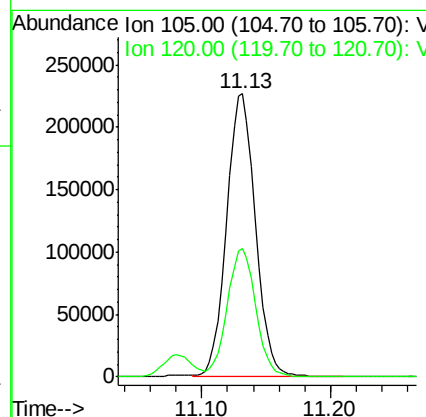
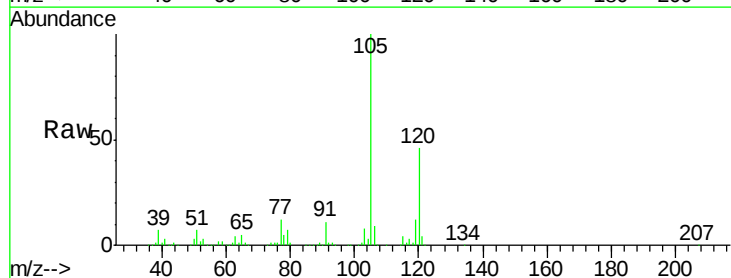
Manual Integrations
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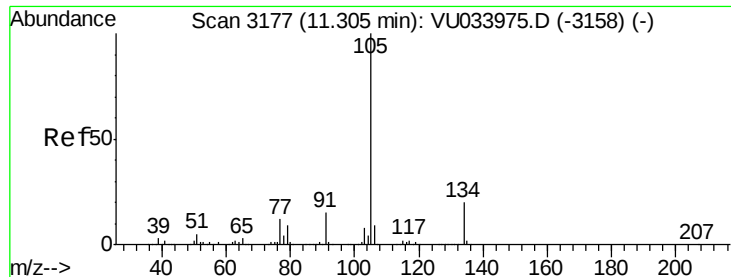
MMDadoda
8/28/2019 10:00:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.053 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349624		
120	44.9		23.3	69.9





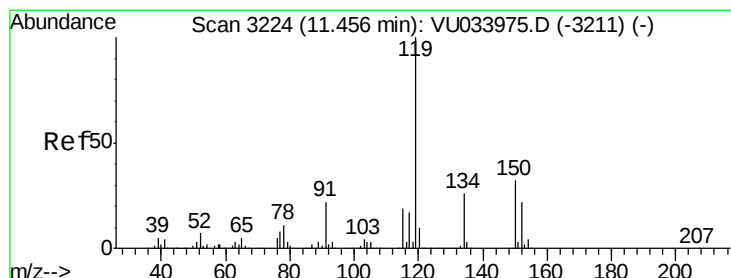
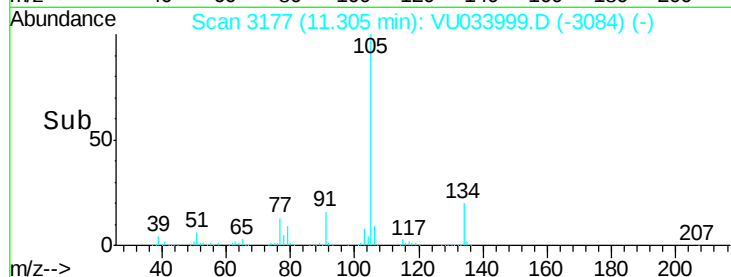
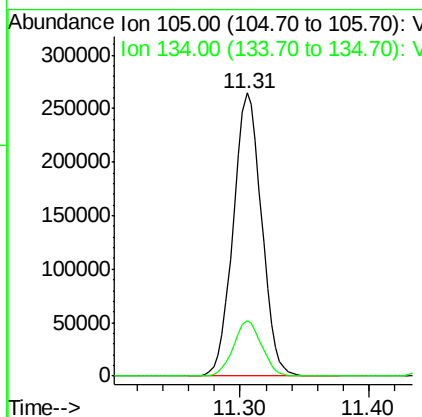
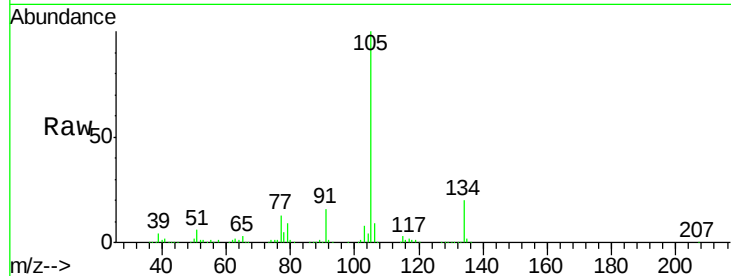
#85
 sec-Butylbenzene
 Concen: 20.526 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.2	30.6

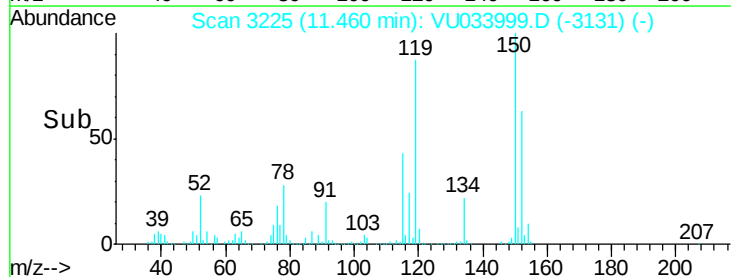
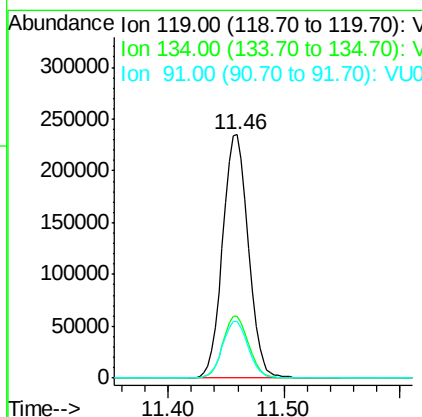
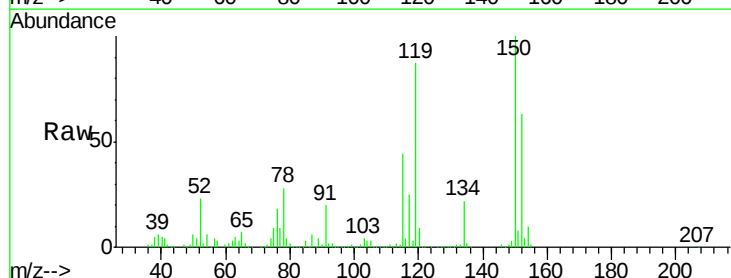
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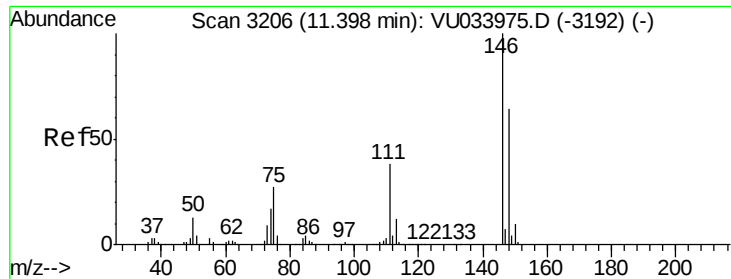
MMDadoda
 8/28/2019 10:00:48 AM



#86
 p-Isopropyltoluene
 Concen: 19.496 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.0	38.9
91	23.5	10.9	32.9





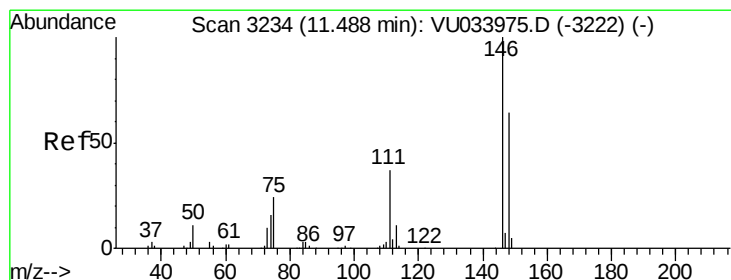
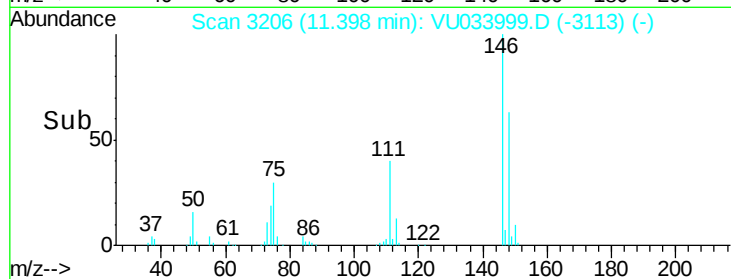
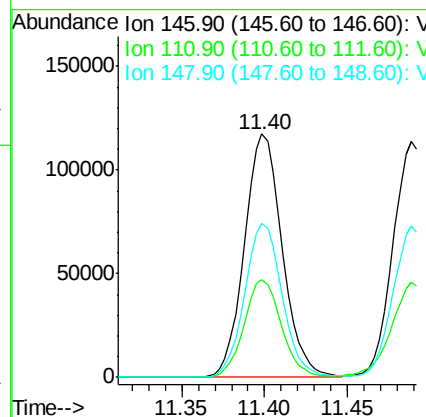
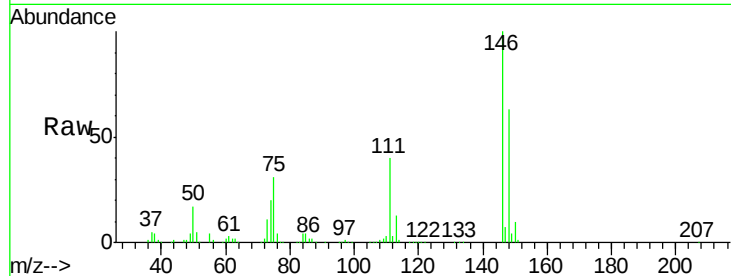
#87
 1,3-Dichlorobenzene
 Concen: 18.857 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.4
148	62.7	31.9	95.7

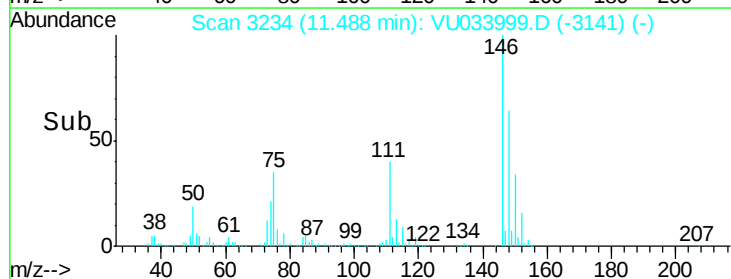
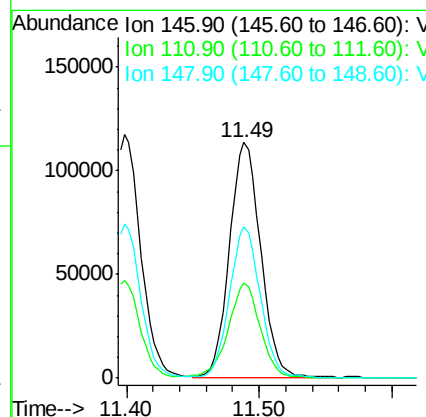
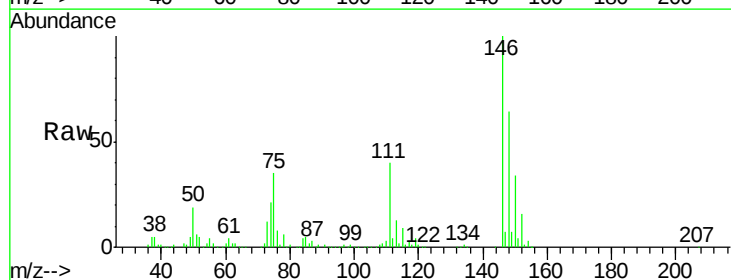
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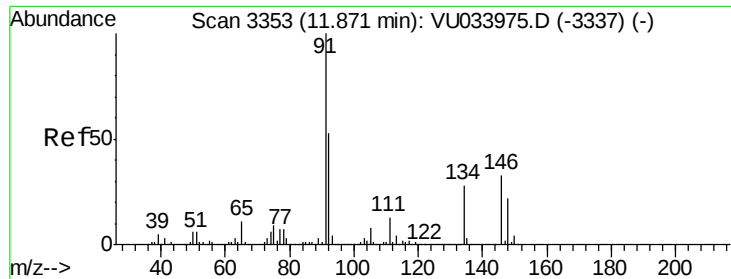
MMDadoda
 8/28/2019 10:00:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.477 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	18.8	56.4
148	63.6	31.9	95.7





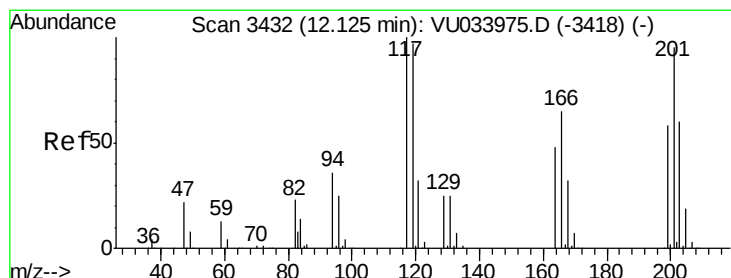
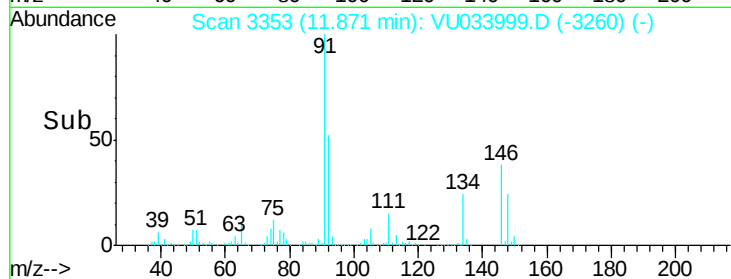
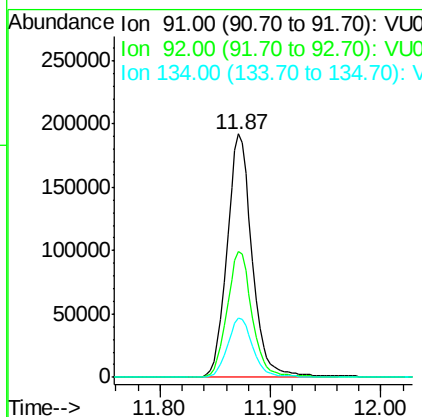
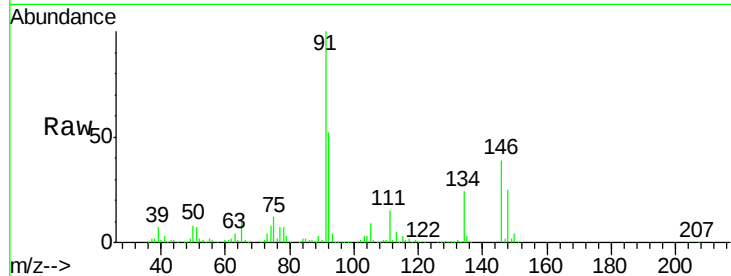
#89
n-Butylbenzene
Concen: 19.754 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.7	80.0
134	24.8	13.6	40.8

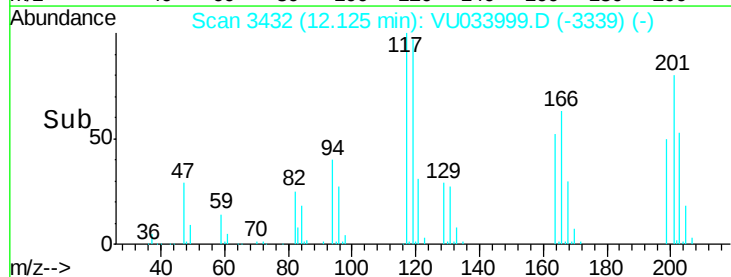
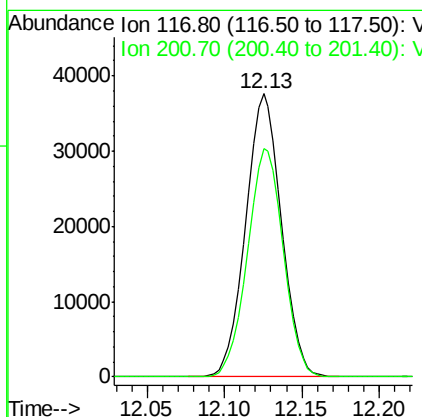
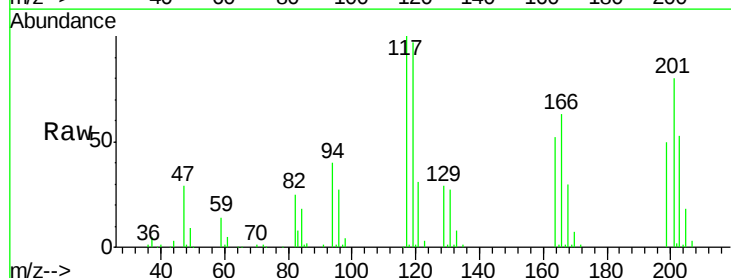
Manual Integrations
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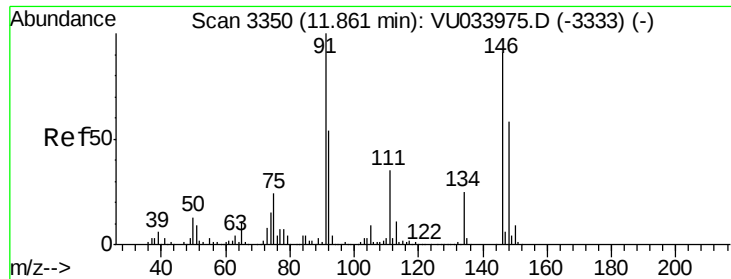
MMDadoda
8/28/2019 10:00:48 AM



#90
Hexachloroethane
Concen: 19.955 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033999.D
Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	47.5	142.5





#91

1,2-Dichlorobenzene

Concen: 18.804 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

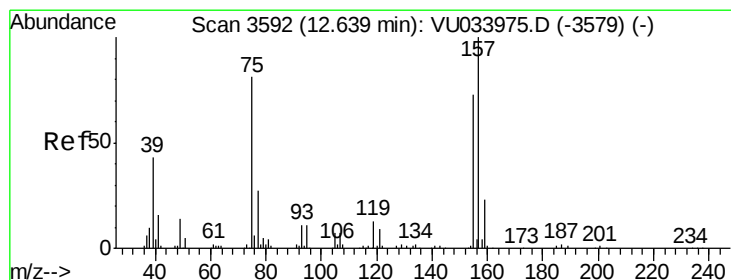
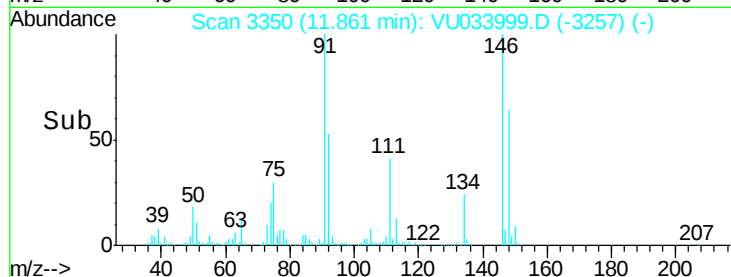
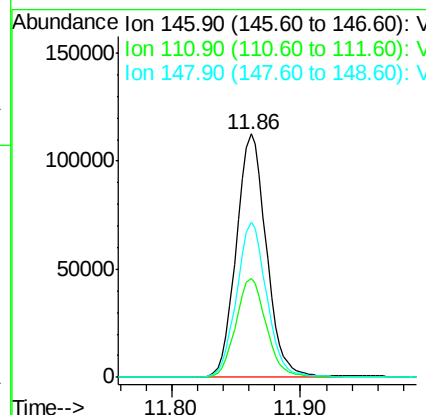
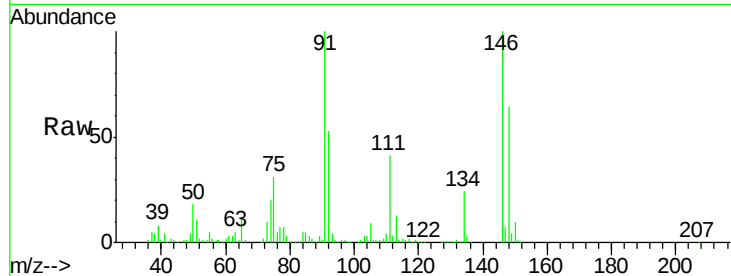
ClientSampleId :

VU0828WBSD02

Tot Ion:	146	Resp:	183271
Ion Ratio	Lower	Upper	
146	100		
111	41.2	19.8	59.3
148	63.6	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.377 ug/l

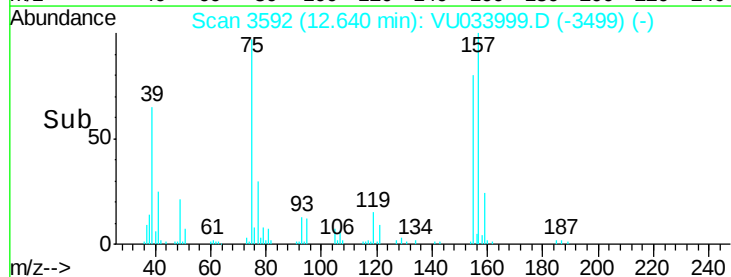
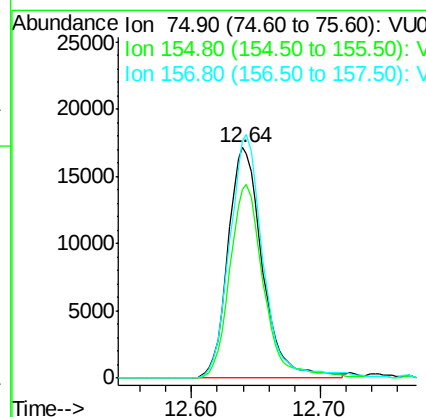
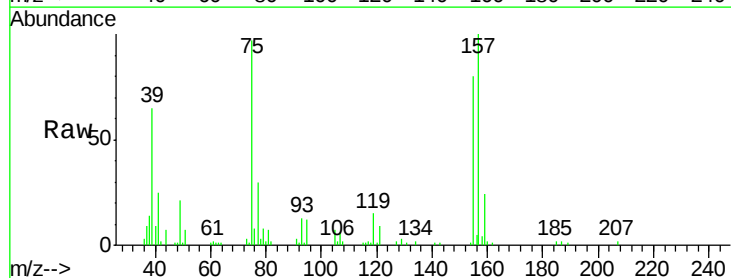
RT: 12.64 min Scan# 3592

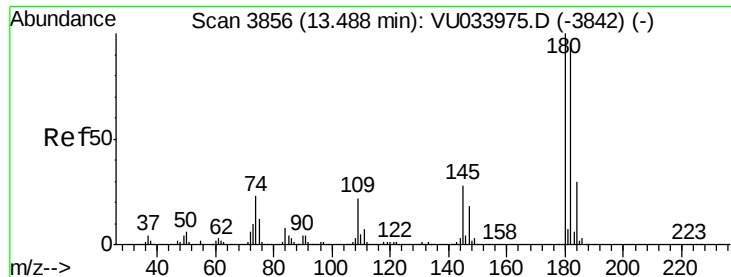
Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion:	75	Resp:	31885
Ion Ratio	Lower	Upper	
75	100		
155	81.7	46.9	140.6
157	101.1	61.2	183.6





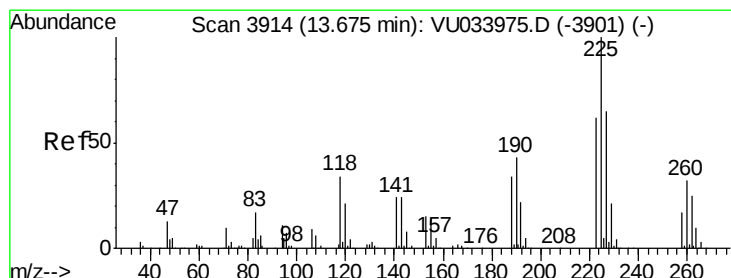
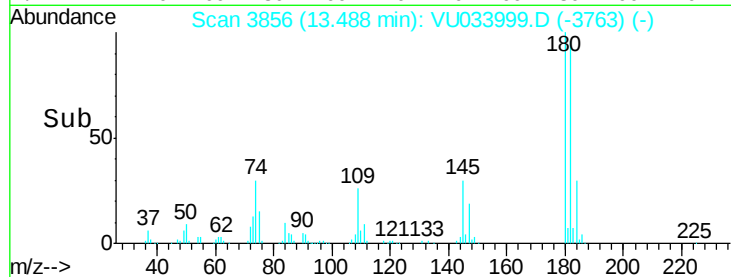
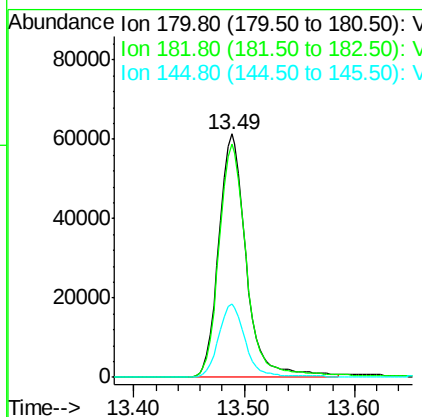
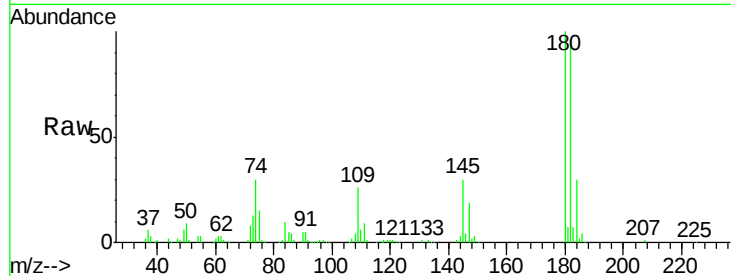
#93
 1,2,4-Trichlorobenzene
 Concen: 16.657 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105935		
182	96.4		47.4	142.2
145	28.8		14.4	43.2

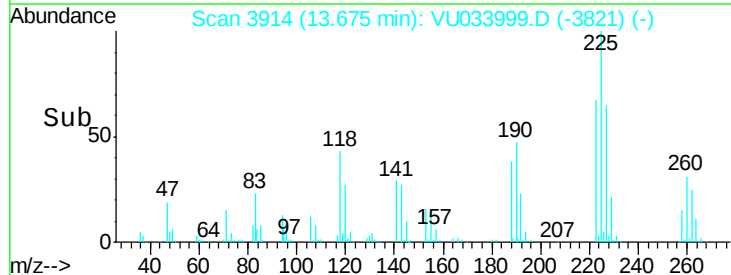
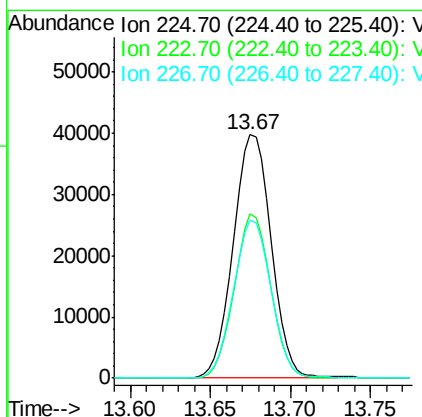
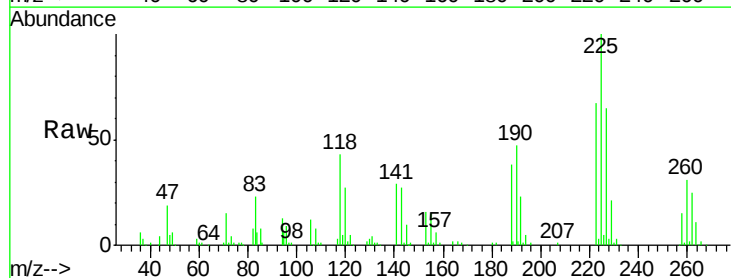
Manual Integrations
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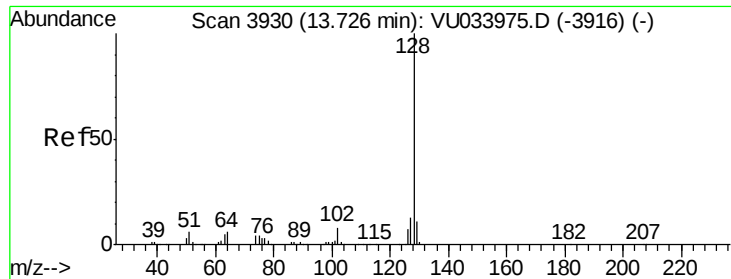
MMDadoda
 8/28/2019 10:00:48 AM



#94
 Hexachlorobutadiene
 Concen: 16.068 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033999.D
 Acq: 28 Aug 2019 03:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64203		
223	64.3		31.7	95.1
227	64.4		33.0	99.0





#95

Naphthalene

Concen: 17.507 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Instrument :

MSVOA_U

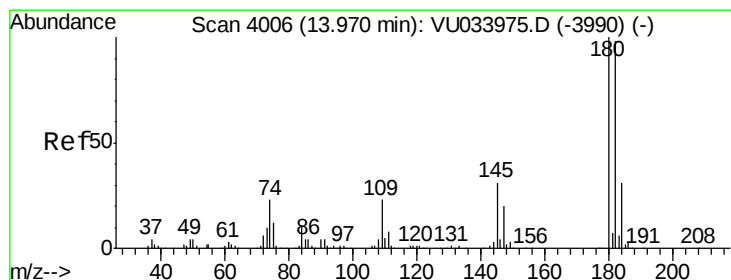
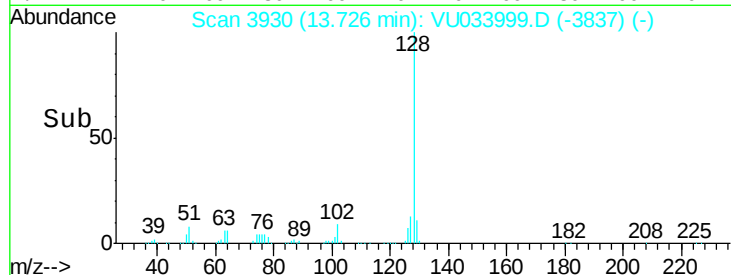
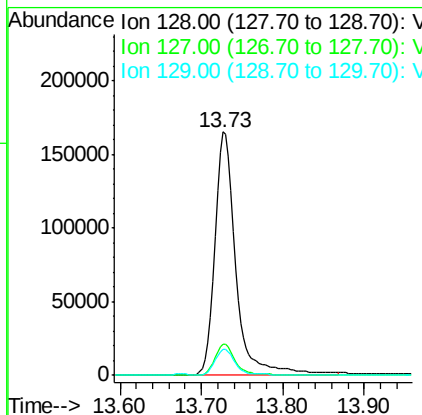
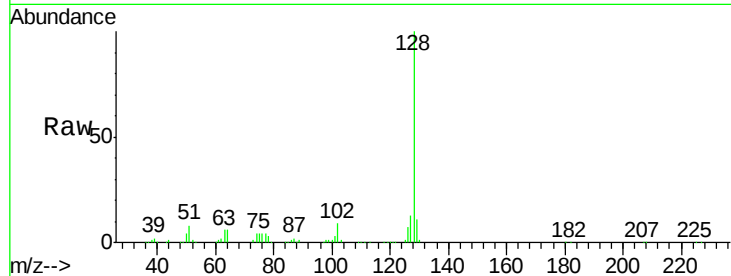
ClientSampleId :

VU0828WBSD02

Tot Ion:	128	Resp:	304891
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.2	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.759 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033999.D

Acq: 28 Aug 2019 03:03

Tgt Ion:	180	Resp:	110603
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.4	145.3
145	31.3	15.1	45.3

