

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033959.D
 Acq On : 26 Aug 2019 19:24
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:14 PM

Quant Time: Aug 27 07:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	421223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	701246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	671158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	353242	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	302222	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	4.86	113	234082	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	7.54	98	896529	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.29	95	335191	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	247644	50.349	ug/l	98
3) Chloromethane	1.32	50	297028	48.816	ug/l	100
4) Vinyl Chloride	1.39	62	320173	48.244	ug/l	99
5) Bromomethane	1.60	94	177044	61.481	ug/l	98
6) Chloroethane	1.68	64	195347	46.696	ug/l	99
7) Trichlorofluoromethane	1.87	101	364684	46.160	ug/l	99
8) Diethyl Ether	2.09	74	159384	46.958	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	216247	47.389	ug/l	100
10) Methyl Iodide	2.39	142	254489	40.251	ug/l	99
11) Tert butyl alcohol	2.80	59	299005	236.339	ug/l	100
12) 1,1-Dichloroethene	2.27	96	220395	47.103	ug/l	98
13) Acrolein	2.18	56	180600	240.036	ug/l	100
14) Allyl chloride	2.57	41	388489	46.251	ug/l	97
15) Acrylonitrile	2.91	53	826079	248.089	ug/l	99
16) Acetone	2.30	43	750178	208.211	ug/l	99
17) Carbon Disulfide	2.46	76	727909	46.914	ug/l	99
18) Methyl Acetate	2.59	43	385167	47.906	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	765520	51.187	ug/l	100
20) Methylene Chloride	2.68	84	261198	45.204	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	244602	47.449	ug/l	99
22) Diisopropyl ether	3.54	45	832236	51.250	ug/l	98
23) Vinyl Acetate	3.50	43	3696425	274.670	ug/l	100
24) 1,1-Dichloroethane	3.42	63	468114	47.082	ug/l	100
25) 2-Butanone	4.23	43	1132972	243.318	ug/l	100
26) 2,2-Dichloropropane	4.20	77	373531	46.333	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	270228	48.879	ug/l	100
28) Bromochloromethane	4.52	49	232481	48.002	ug/l	99
29) Tetrahydrofuran	4.61	42	720195	255.708	ug/l	99
30) Chloroform	4.65	83	444173	45.024	ug/l	99
31) Cyclohexane	4.97	56	429655	48.861	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	376688	46.700	ug/l	100
36) 1,1-Dichloropropene	5.11	75	345315	47.693	ug/l	99
37) Ethyl Acetate	4.35	43	415266	48.449	ug/l	99
38) Carbon Tetrachloride	5.11	117	325129	45.094	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	403002	50.281	ug/l	99
40) Benzene	5.36	78	1020144	47.410	ug/l	100
41) Methacrylonitrile	4.51	41	223440	51.730	ug/l	99
42) 1,2-Dichloroethane	5.38	62	367995	46.319	ug/l	99
43) Isopropyl Acetate	5.52	43	632970	50.348	ug/l	100
44) Trichloroethene	6.16	130	254590	45.716	ug/l	98
45) 1,2-Dichloropropane	6.41	63	278385	46.733	ug/l	99
46) Dibromomethane	6.54	93	181089	47.303	ug/l	99
47) Bromodichloromethane	6.73	83	358100	46.258	ug/l	99
48) Methyl methacrylate	6.60	41	304404	46.611	ug/l	99
49) 1,4-Dioxane	6.59	88	118829	931.264	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	2096602	245.649	ug/l	99
52) Toluene	7.62	92	616260	49.318	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	409285	50.763	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	443960	49.679	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	250175	45.394	ug/l	99
56) Ethyl methacrylate	8.00	69	412799	46.565	ug/l	98
57) 1,3-Dichloropropane	8.22	76	451461	47.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	722712	214.641	ug/l	99
59) 2-Hexanone	8.34	43	1609073	247.266	ug/l	99
60) Dibromochloromethane	8.46	129	273275	47.630	ug/l	100
61) 1,2-Dibromoethane	8.57	107	271761	47.562	ug/l	99
64) Tetrachloroethene	8.21	164	219095	45.529	ug/l	99
65) Chlorobenzene	9.10	112	658437	47.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	240655	47.022	ug/l	99
67) Ethyl Benzene	9.23	91	1173750	51.613	ug/l	100
68) m/p-Xylenes	9.35	106	890033	106.278	ug/l	99
69) o-Xylene	9.76	106	422912	52.829	ug/l	100
70) Styrene	9.77	104	740414	53.394	ug/l	100
71) Bromoform	9.94	173	207033	48.047	ug/l #	98
73) Isopropylbenzene	10.15	105	1149648	52.658	ug/l	99
74) N-amyl acetate	10.00	43	543565	47.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	434679	46.527	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	367605m	44.982	ug/l	
77) Bromobenzene	10.43	156	287239	49.281	ug/l	100
78) n-propylbenzene	10.57	91	1363368	52.230	ug/l	100
79) 2-Chlorotoluene	10.64	91	805175	51.510	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	979185	52.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	138487m	45.186	ug/l	
82) 4-Chlorotoluene	10.75	91	940224	51.172	ug/l	100
83) tert-Butylbenzene	11.08	119	923659	52.911	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	974765	53.627	ug/l	100
85) sec-Butylbenzene	11.31	105	1152113	52.610	ug/l	100
86) p-Isopropyltoluene	11.46	119	1052970	53.034	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	527988	47.797	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	526696	46.206	ug/l	100
89) n-Butylbenzene	11.87	91	984567	46.997	ug/l	100
90) Hexachloroethane	12.12	117	189890	48.836	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	514016	48.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	96641	50.388	ug/l	97

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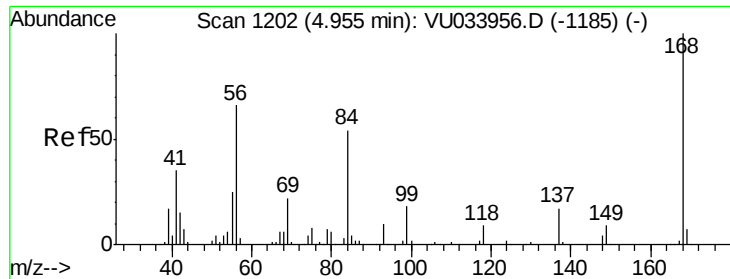
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	360670	47.583	ug/l	100
94) Hexachlorobutadiene	13.67	225	191526	48.497	ug/l	100
95) Naphthalene	13.73	128	1083323	47.595	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	359512	48.356	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion:168 Resp: 421223

Ion Ratio Lower Upper

168 100

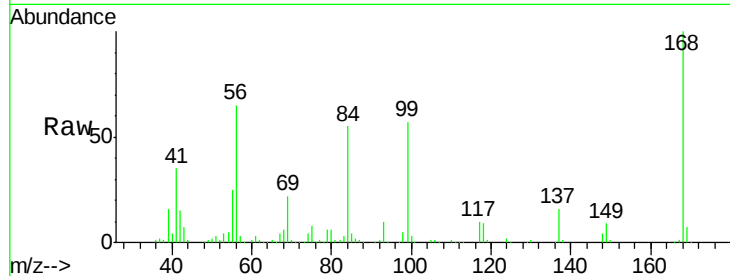
99 57.2 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033959.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033959.D (-1185) (-)

4.95

200000

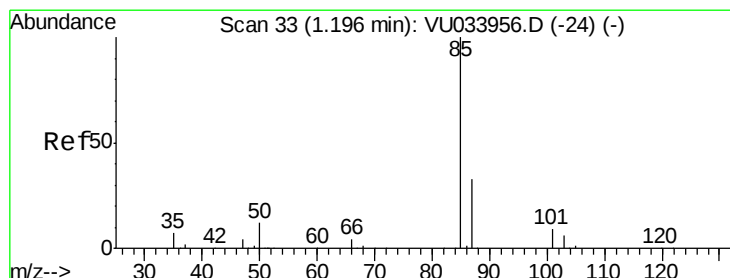
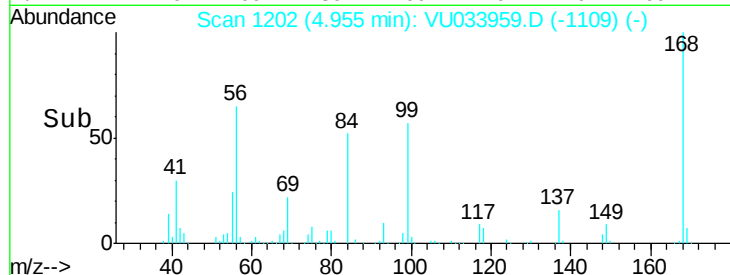
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.349 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033959.D

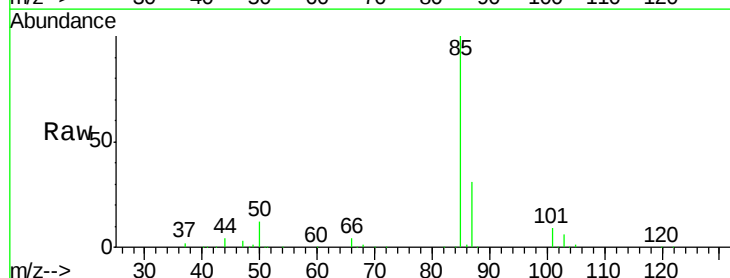
Acq: 26 Aug 2019 19:24

Tgt Ion: 85 Resp: 247644

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033959.D (-1185) (-)

Ion 86.90 (86.60 to 87.60): VU033959.D (-1185) (-)

1.20

250000

200000

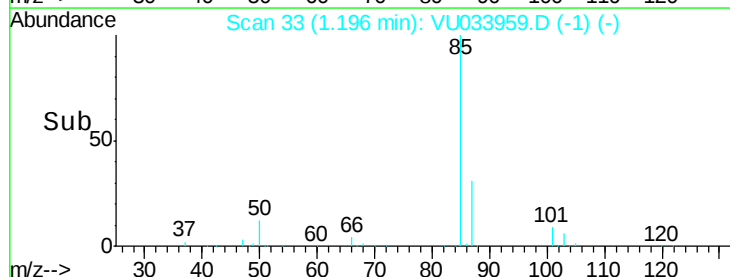
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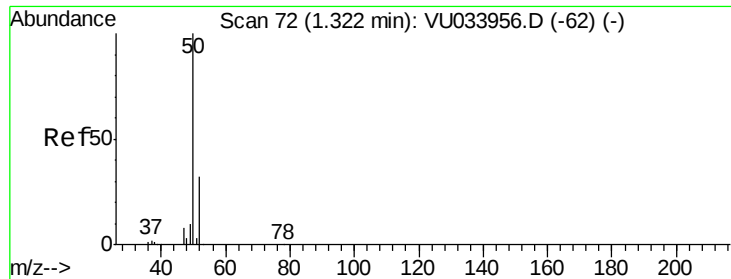
100000

50000

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Time-->





#3

Chloromethane

Concen: 48.816 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 50 Resp: 297028

Ion Ratio Lower Upper

50 100

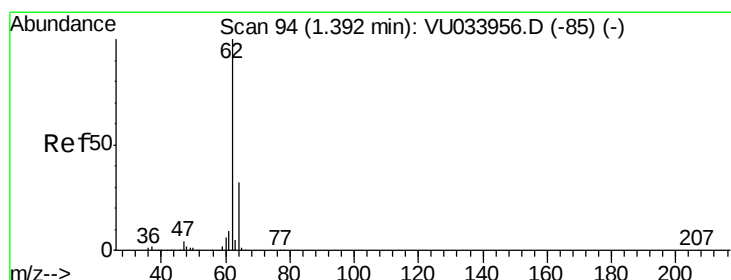
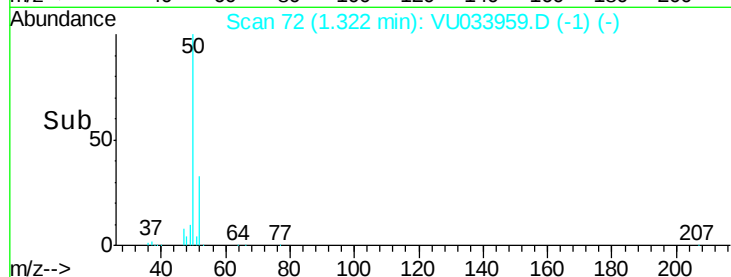
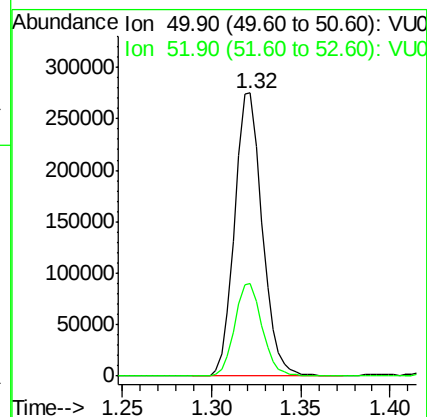
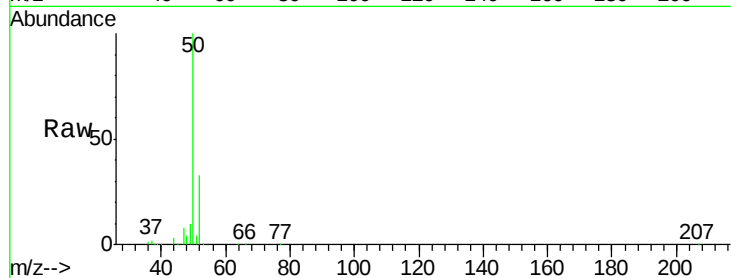
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.244 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033959.D

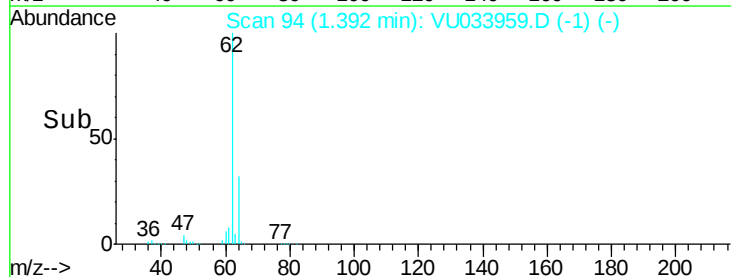
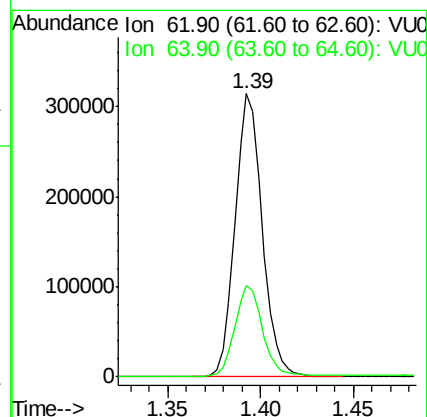
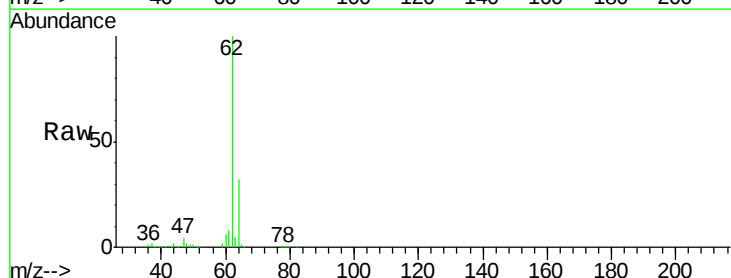
Acq: 26 Aug 2019 19:24

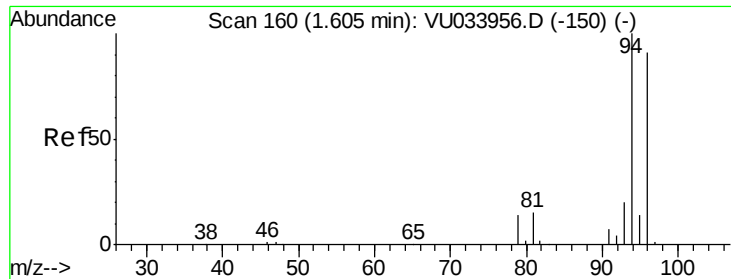
Tgt Ion: 62 Resp: 320173

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 61.481 ug/l

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 94 Resp: 177044

Ion Ratio Lower Upper

94 100

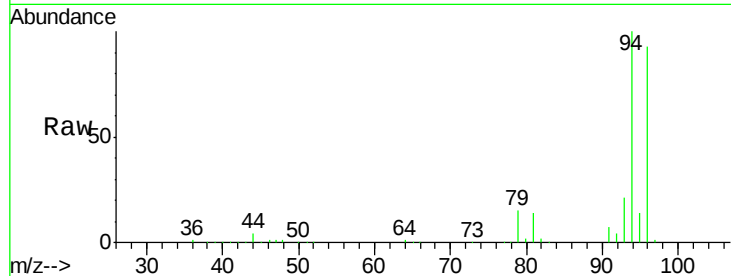
96 93.0 73.2 109.8

Manual Integrations

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8/27/2019 12:17:14 PM



Abundance Ion 93.90 (93.60 to 94.60): VU033959.D (-94) (-)

Ion 95.90 (95.60 to 96.60): VU033959.D (-96) (-)

1.60

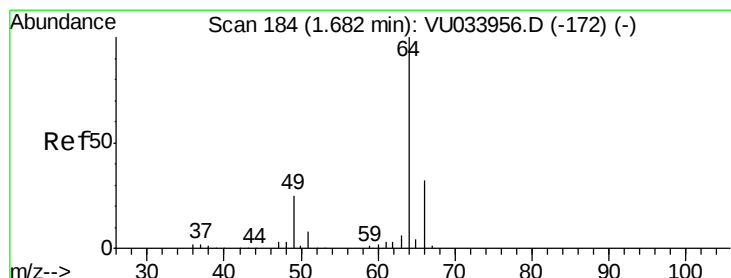
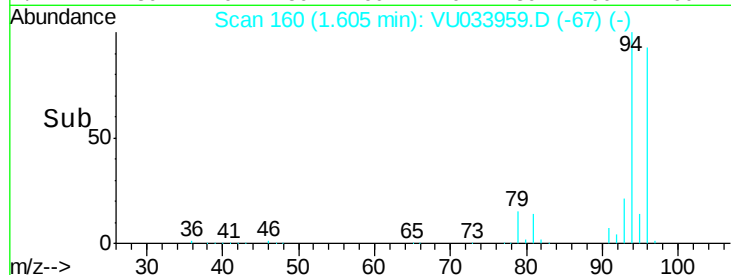
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.696 ug/l

RT: 1.68 min Scan# 184

Delta R.T. -0.00 min

Lab File: VU033959.D

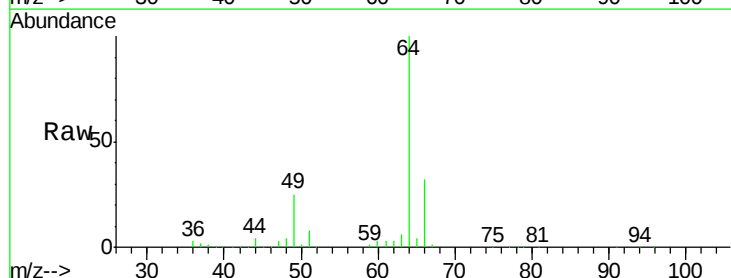
Acq: 26 Aug 2019 19:24

Tgt Ion: 64 Resp: 195347

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033959.D (-64) (-)

Ion 65.90 (65.60 to 66.60): VU033959.D (-66) (-)

1.68

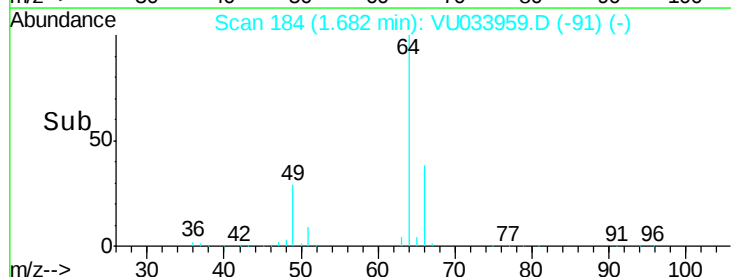
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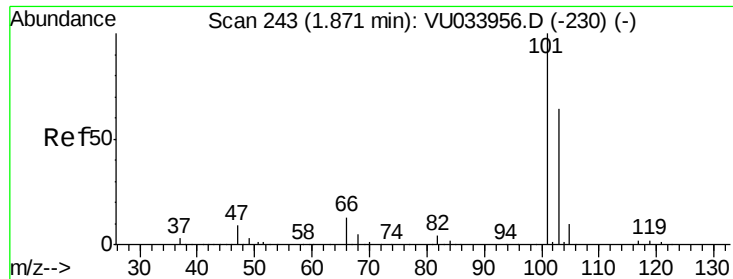
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Time-->





#7

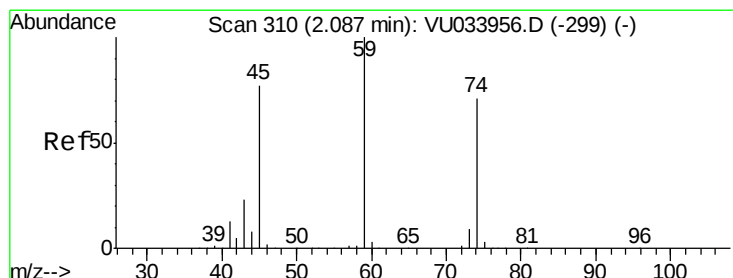
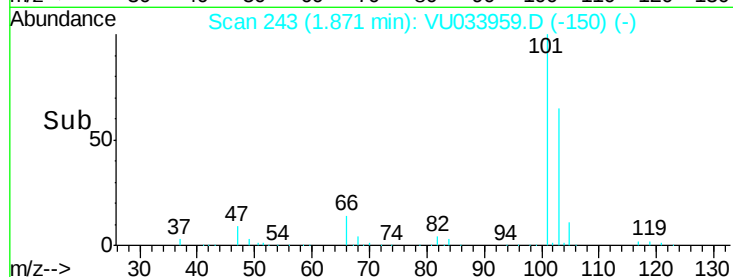
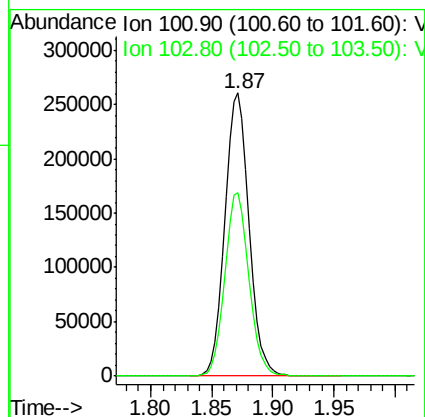
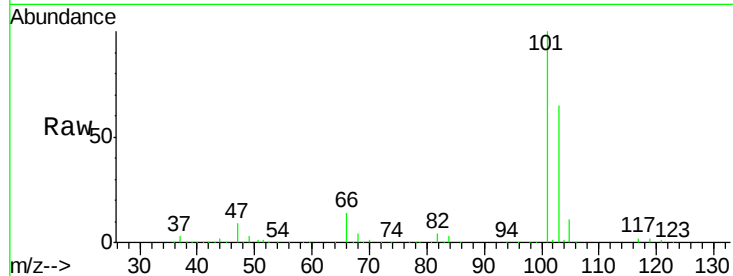
Trichlorofluoromethane
Concen: 46.160 ug/l
RT: 1.87 min Scan# 243
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

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ClientSampleId :
ICVVU082719

Tot Ion:101 Resp: 364684
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3

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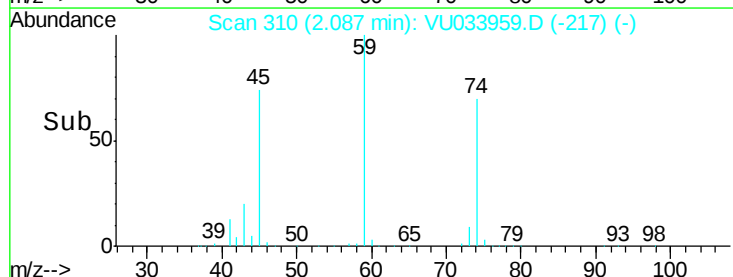
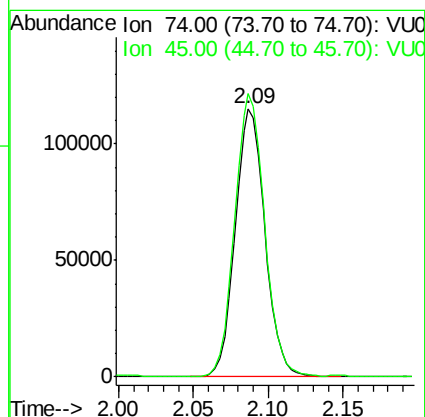
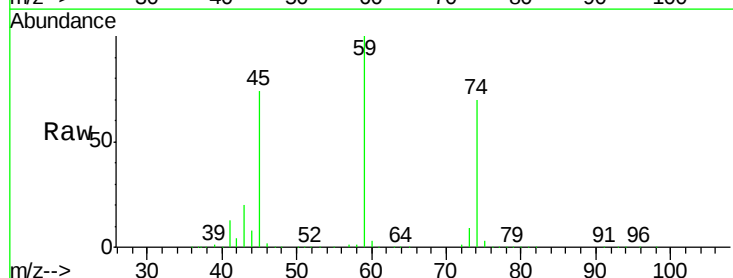
MMDadoda
8/27/2019 12:17:14 PM

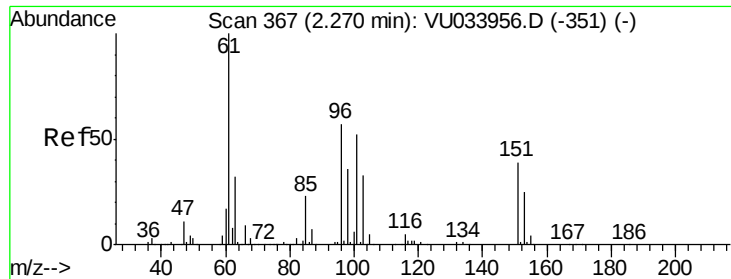


#8

Diethyl Ether
Concen: 46.958 ug/l
RT: 2.09 min Scan# 310
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 74 Resp: 159384
Ion Ratio Lower Upper
74 100
45 105.7 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.389 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

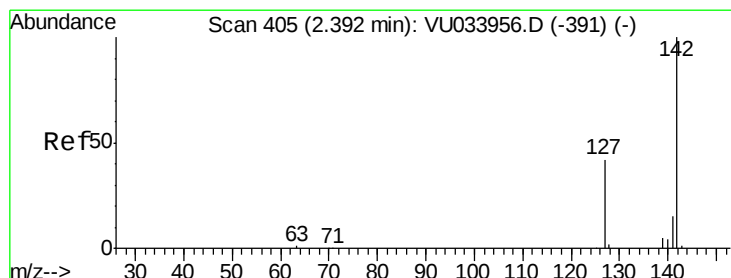
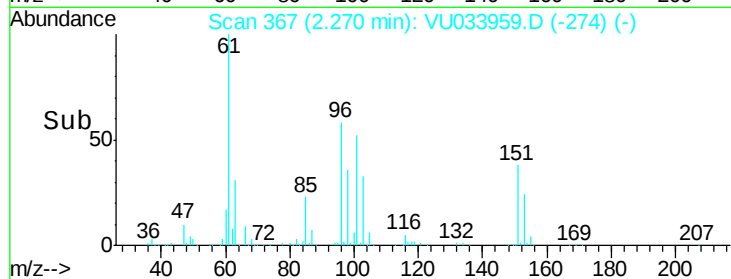
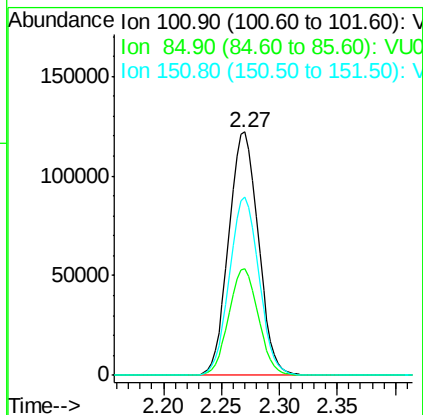
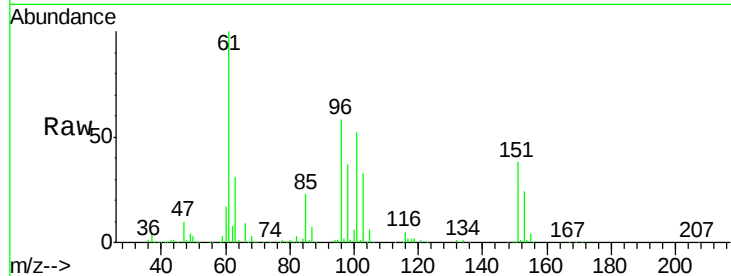
ClientSampleId :

ICVVU082719

Tot Ion:	101	Resp:	216247
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.0	52.6
151	72.9	57.9	86.9

Manual Integrations
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#10

Methyl Iodide

Concen: 40.251 ug/l

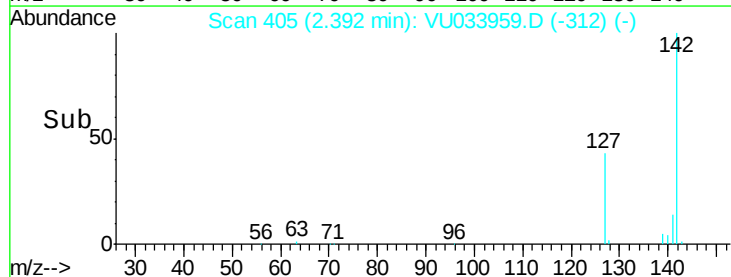
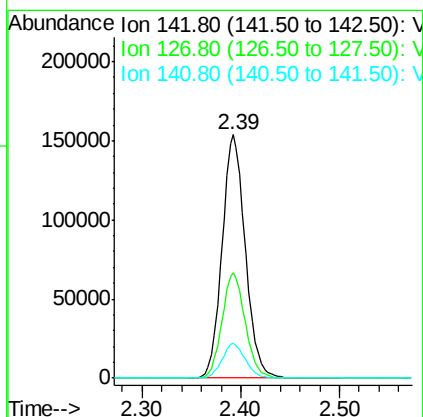
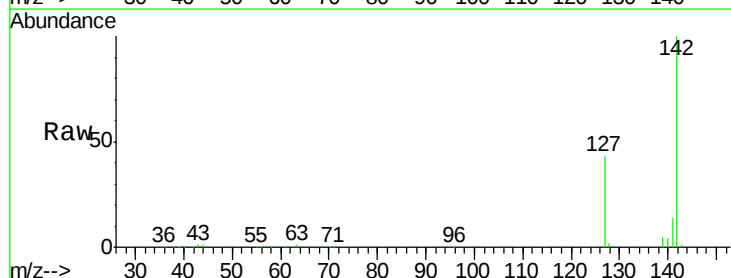
RT: 2.39 min Scan# 405

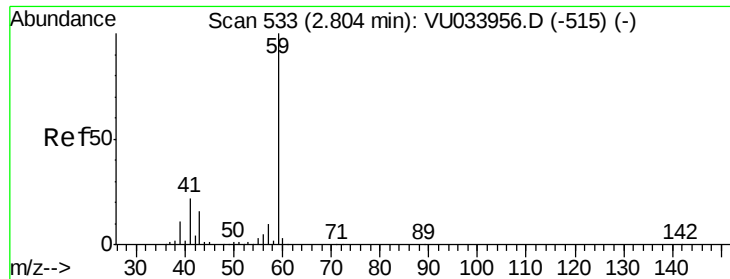
Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion:	142	Resp:	254489
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.3	51.5
141	14.3	11.8	17.6





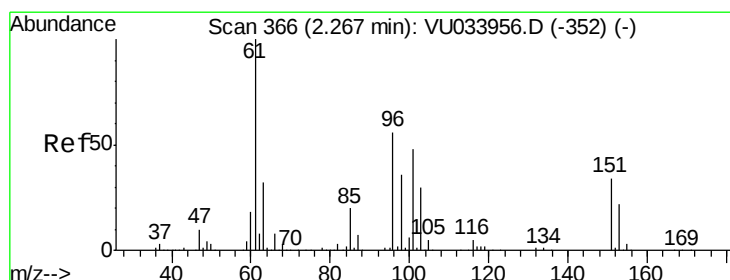
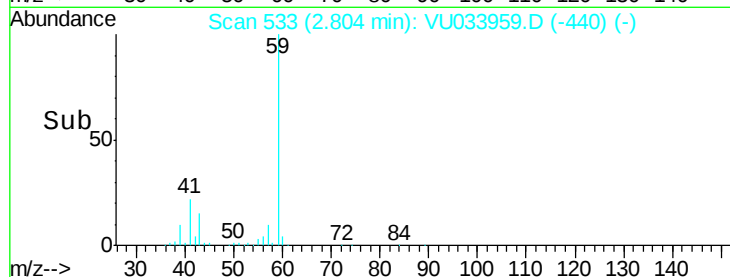
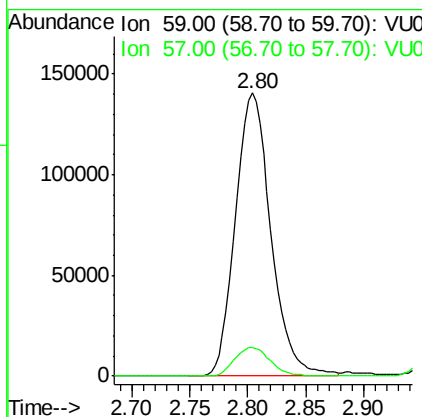
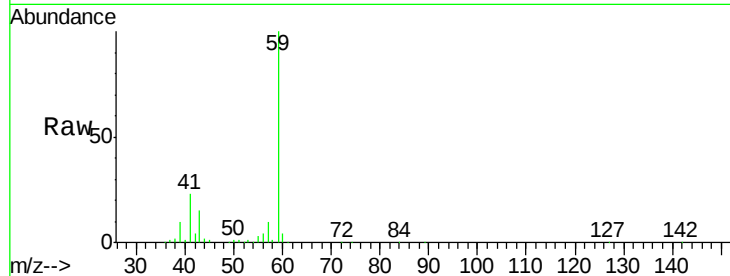
#11
Tert butyl alcohol
Concen: 236.339 ug/l
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	59	Resp	299005
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

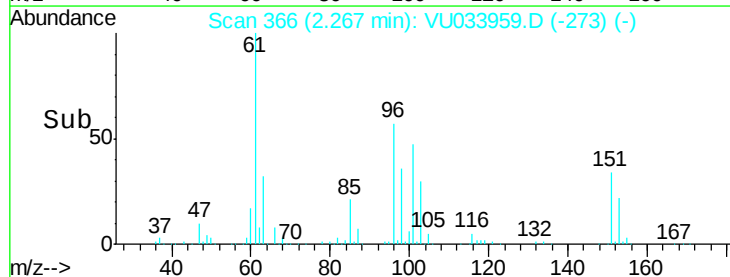
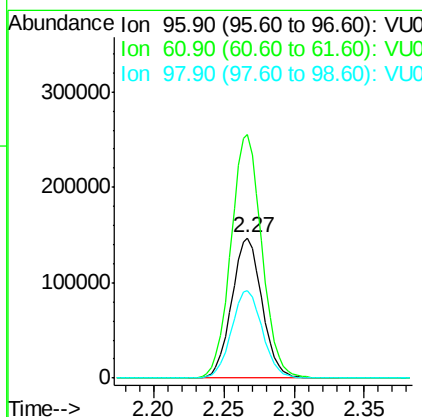
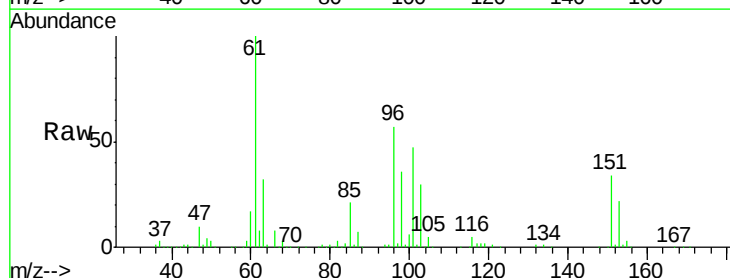
Manual Integrations
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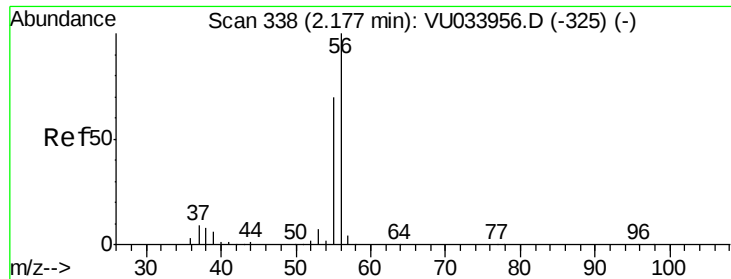
MMDadoda
8/27/2019 12:17:14 PM



#12
1,1-Dichloroethene
Concen: 47.103 ug/l
RT: 2.27 min Scan# 366
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	96	Resp	220395
Ion Ratio	100	Lower	Upper
61	174.2	142.3	213.5
98	63.0	51.0	76.6





#13

Acrolein

Concen: 240.036 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampled :

ICVVU082719

Tot Ion: 56 Resp: 180600

Ion Ratio Lower Upper

56 100

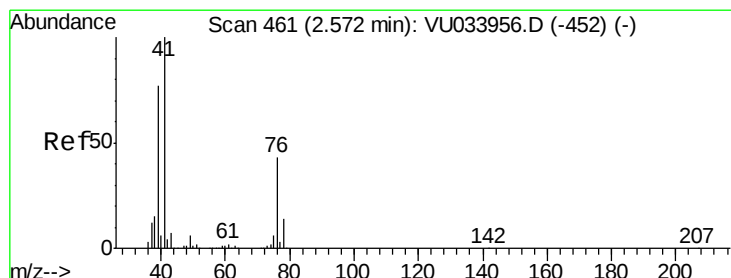
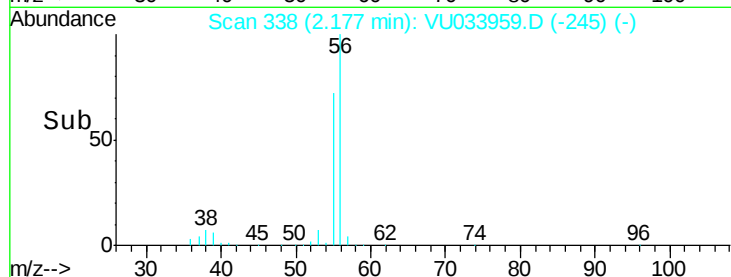
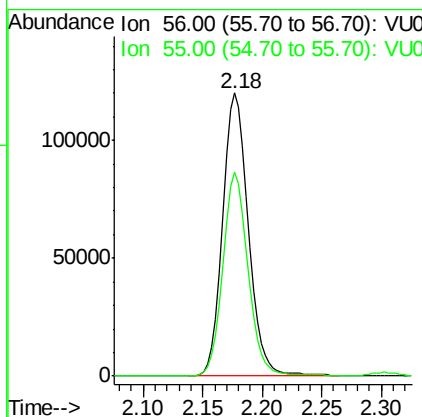
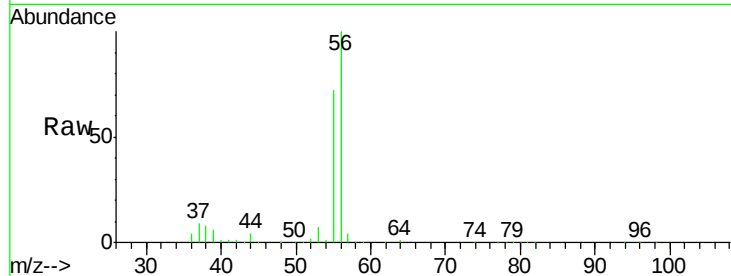
55 70.7 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 46.251 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

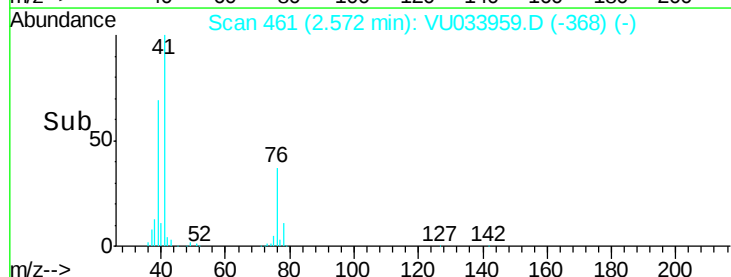
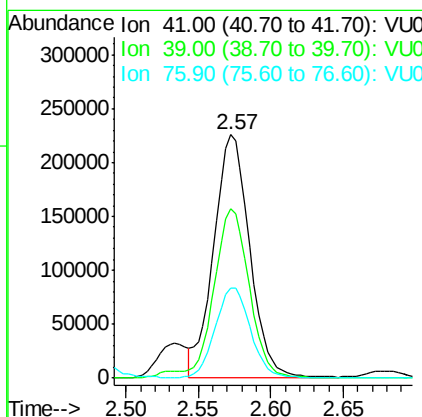
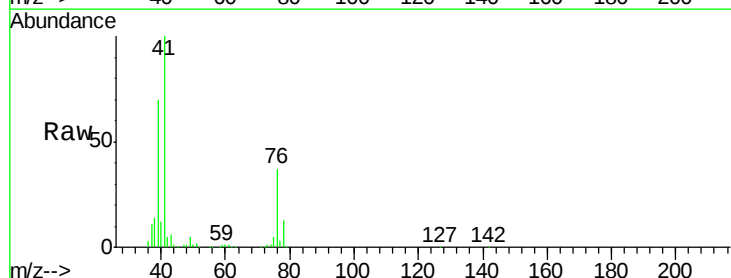
Tgt Ion: 41 Resp: 388489

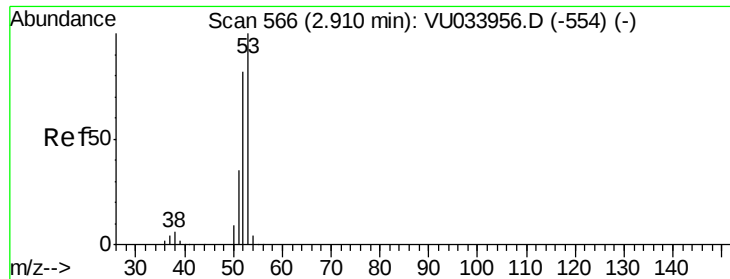
Ion Ratio Lower Upper

41 100

39 67.1 56.4 84.6

76 36.4 29.2 43.8





#15

Acrylonitrile

Concen: 248.089 ug/l

RT: 2.91 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

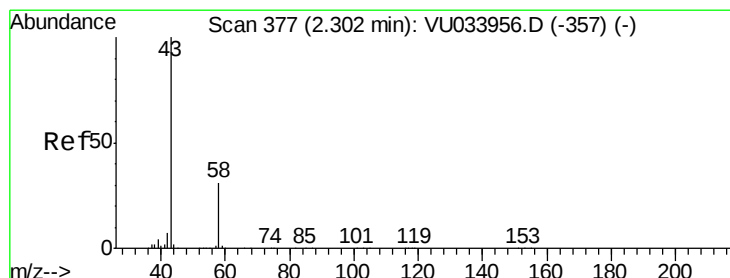
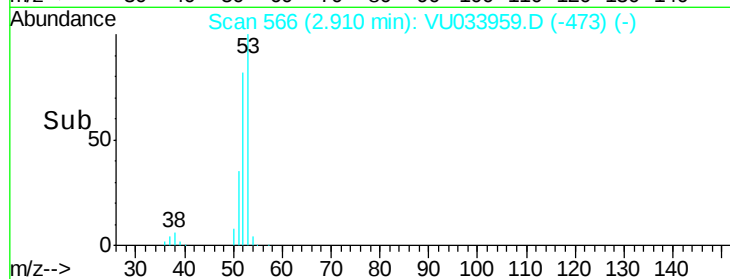
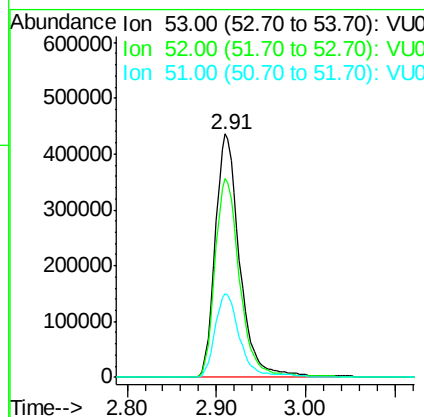
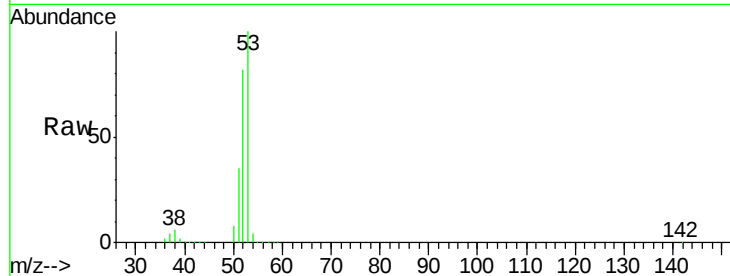
ClientSampleId :

ICVVU082719

Tot Ion:	53	Resp:	826079
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.4	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 208.211 ug/l

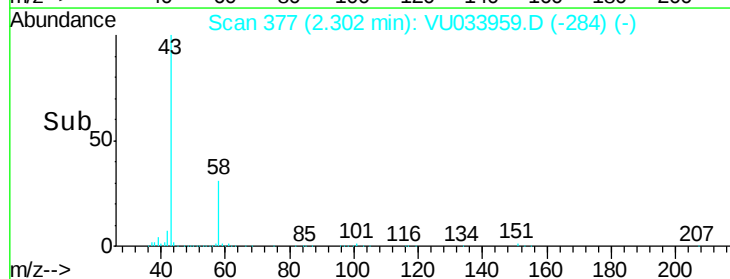
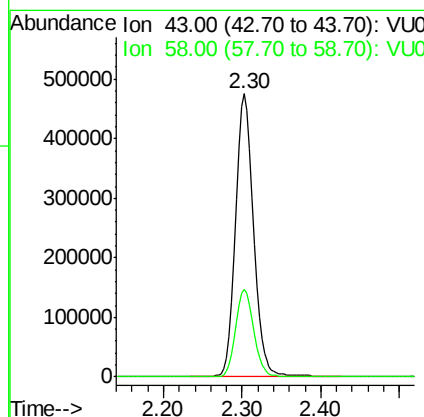
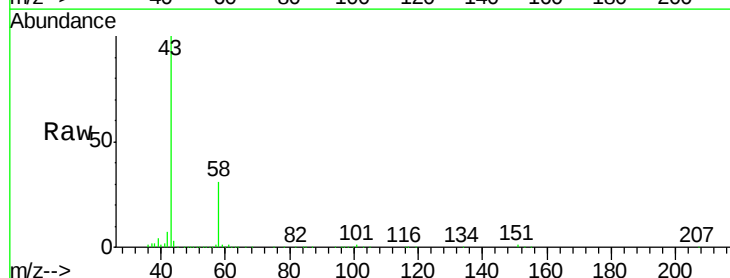
RT: 2.30 min Scan# 377

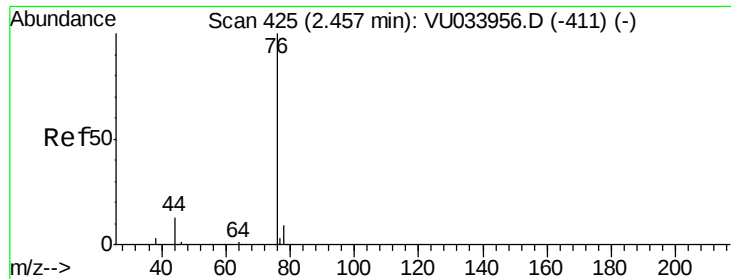
Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion:	43	Resp:	750178
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.5	36.7





#17

Carbon Disulfide

Concen: 46.914 ug/l

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 76 Resp: 727909

Ion Ratio Lower Upper

76 100

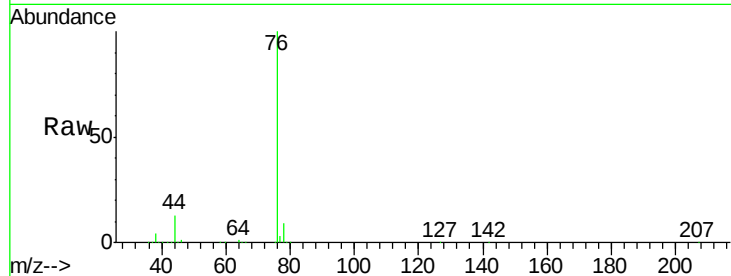
78 9.0 7.0 10.4

Manual Integrations

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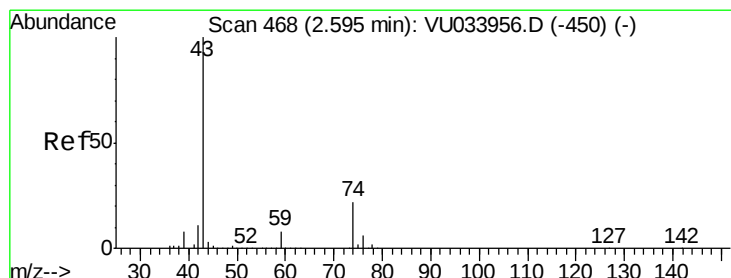
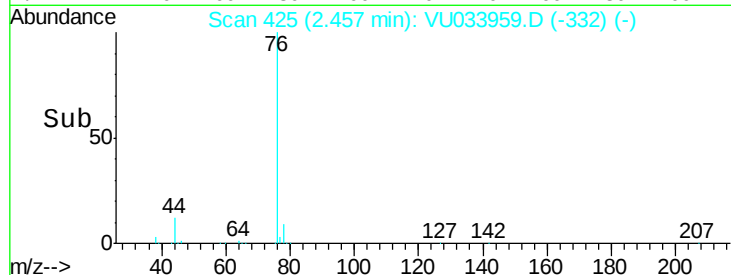
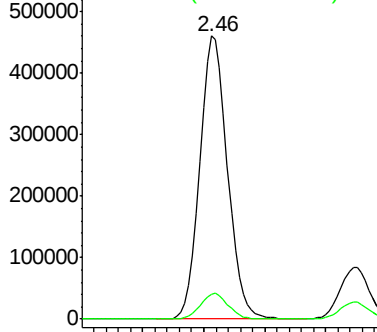
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 47.906 ug/l

RT: 2.59 min Scan# 468

Delta R.T. -0.00 min

Lab File: VU033959.D

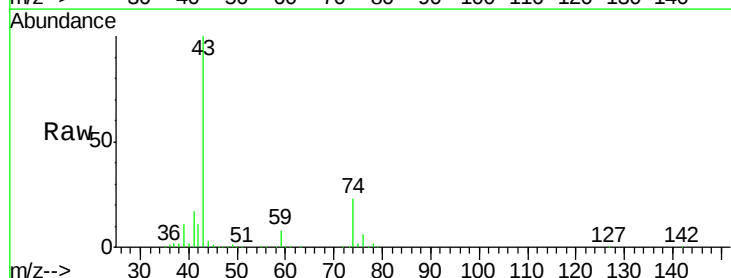
Acq: 26 Aug 2019 19:24

Tgt Ion: 43 Resp: 385167

Ion Ratio Lower Upper

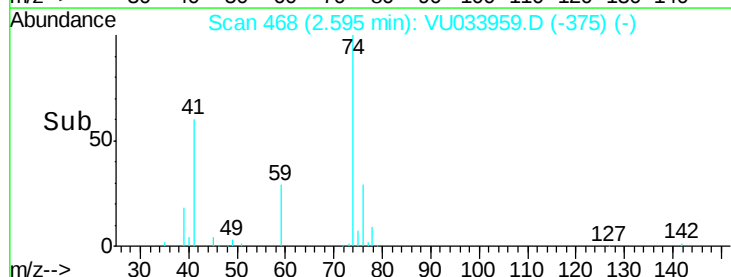
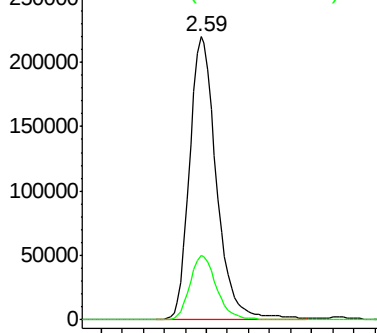
43 100

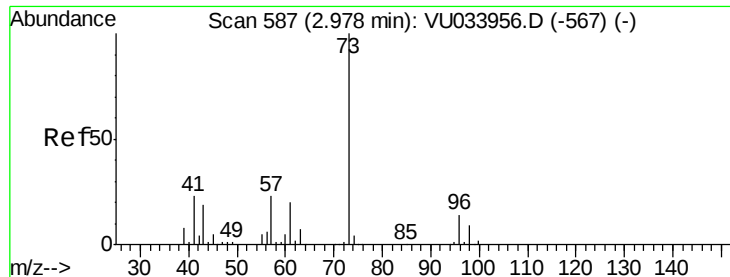
74 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

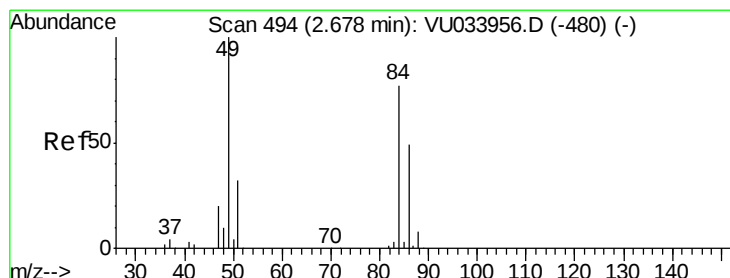
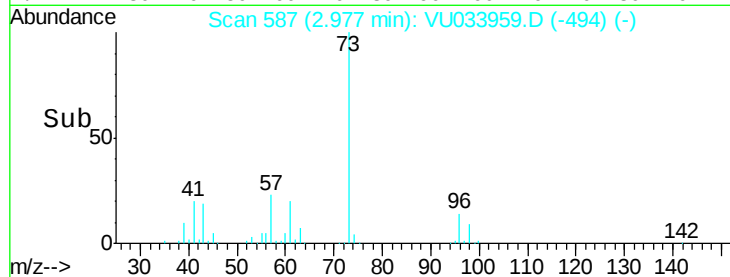
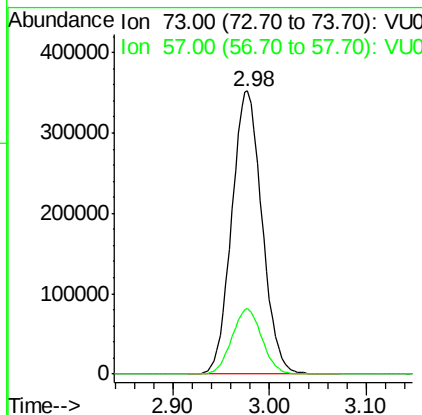
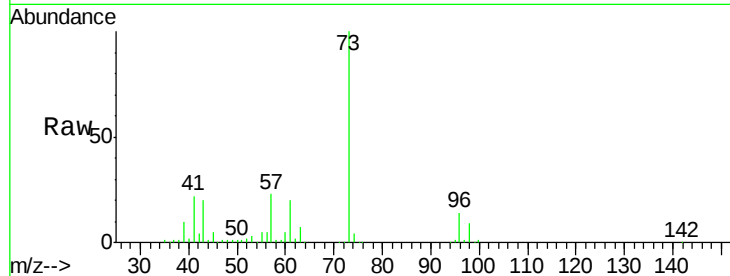
Methyl tert-butyl Ether
 Concen: 51.187 ug/l
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5

Manual Integrations
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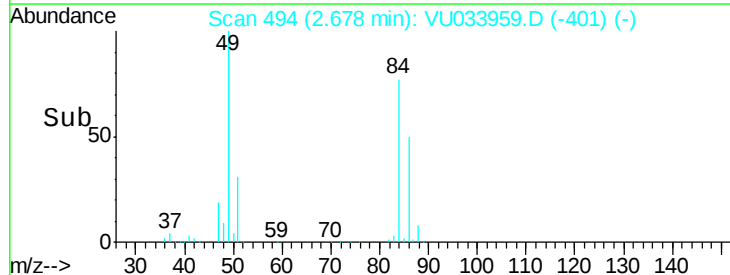
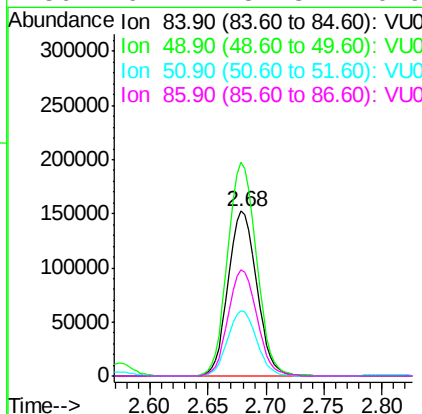
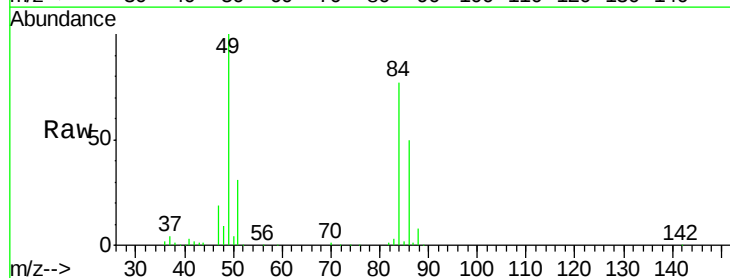
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 8/27/2019 12:17:14 PM

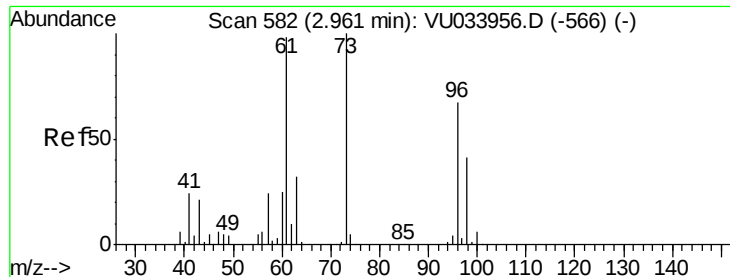


#20

Methylene Chloride
 Concen: 45.204 ug/l
 RT: 2.68 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.6	104.1	156.1
51	40.0	33.0	49.6
86	64.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.449 ug/l

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 96 Resp: 244602

Ion Ratio Lower Upper

96 100

61 147.4 117.8 176.8

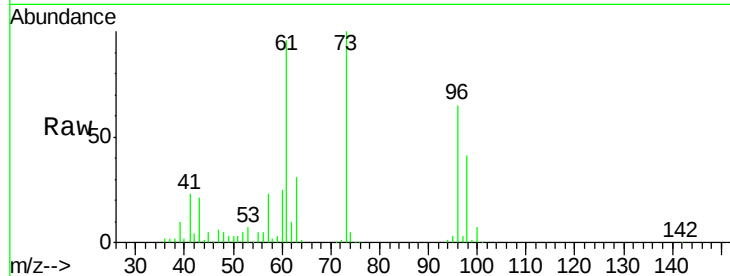
98 63.7 49.8 74.8

Manual Integrations

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Abundance

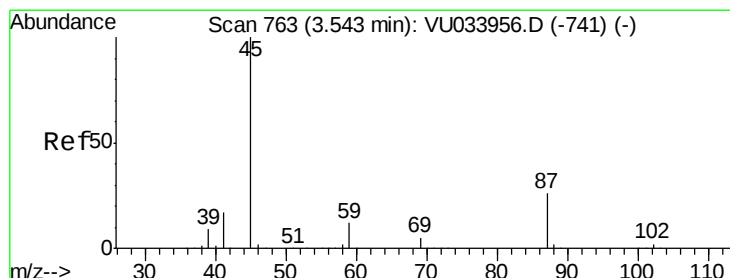
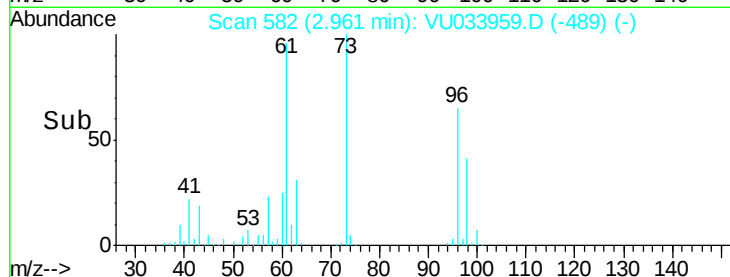
Ion 95.90 (95.60 to 96.60): VU033959.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU033959.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU033959.D (-489) (-)

2.96

Time-->



#22

Diisopropyl ether

Concen: 51.250 ug/l

RT: 3.54 min Scan# 763

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion: 45 Resp: 832236

Ion Ratio Lower Upper

45 100

43 60.7 50.6 76.0

87 26.3 21.2 31.8

59 11.8 9.6 14.4

Abundance

Ion 45.00 (44.70 to 45.70): VU033959.D (-670) (-)

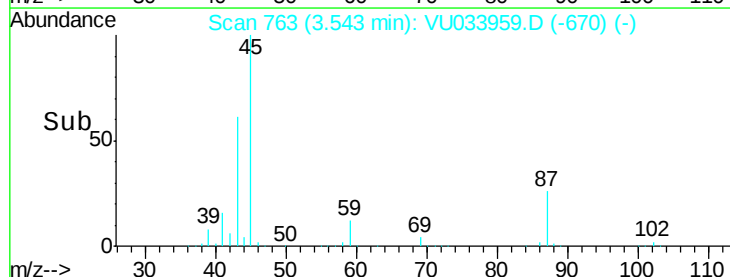
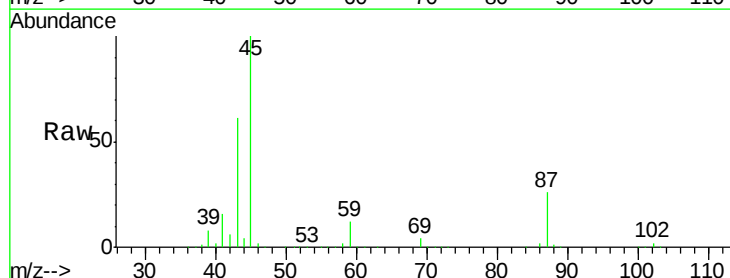
Ion 43.00 (42.70 to 43.70): VU033959.D (-670) (-)

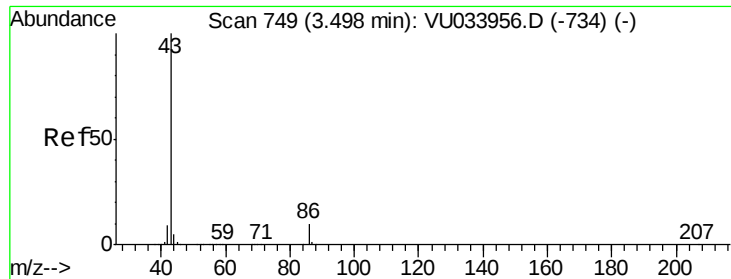
Ion 87.00 (86.70 to 87.70): VU033959.D (-670) (-)

Ion 59.00 (58.70 to 59.70): VU033959.D (-670) (-)

3.54

Time-->





#23

Vinyl Acetate

Concen: 274.670 ug/l

RT: 3.50 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 43 Resp: 3696425

Ion Ratio Lower Upper

43 100

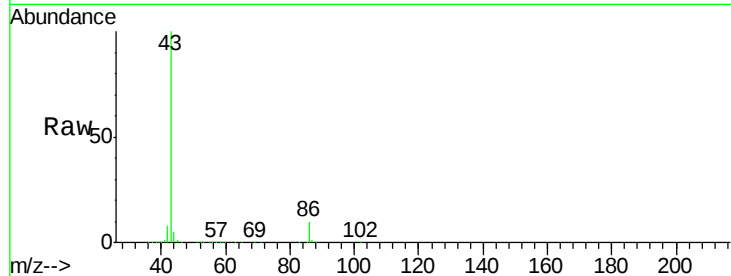
86 10.2 8.2 12.4

Manual Integrations

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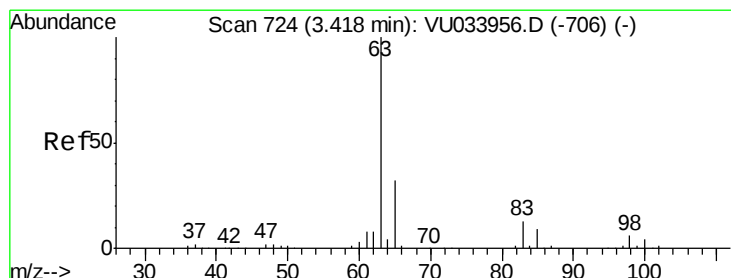
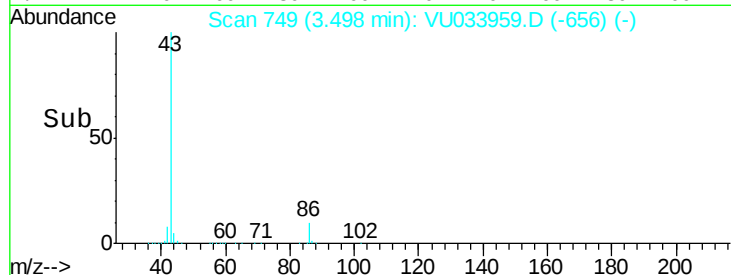
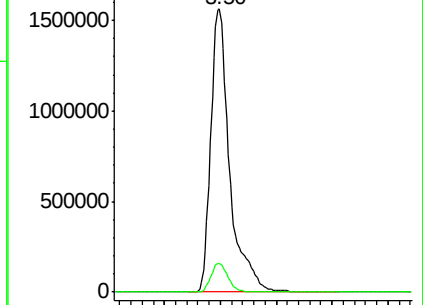
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU033959.D (-656) (-)

Ion 86.00 (85.70 to 86.70): VU033959.D (-656) (-)



#24

1,1-Dichloroethane

Concen: 47.082 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

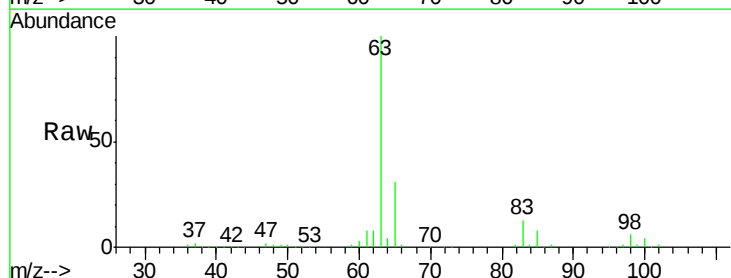
Tgt Ion: 63 Resp: 468114

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

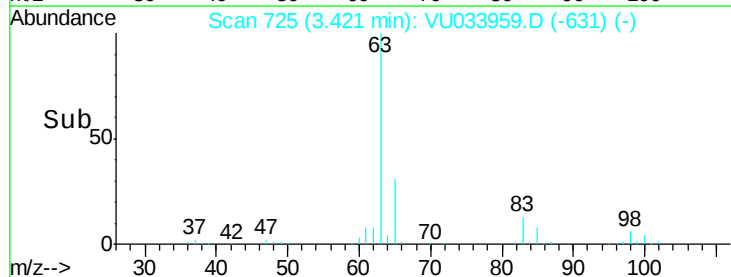
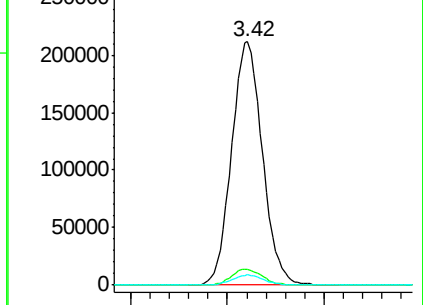
100 4.2 2.1 6.5

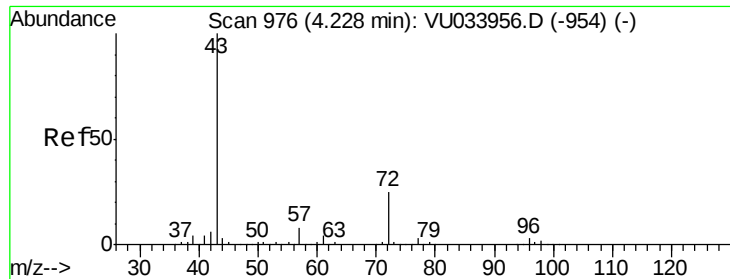


Abundance Ion 62.90 (62.60 to 63.60): VU033959.D (-631) (-)

Ion 97.90 (97.60 to 98.60): VU033959.D (-631) (-)

Ion 99.90 (99.60 to 100.60): VU033959.D (-631) (-)





#25

2-Butanone

Concen: 243.318 ug/l

RT: 4.23 min Scan# 976

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 43 Resp: 1132972

Ion Ratio Lower Upper

43 100

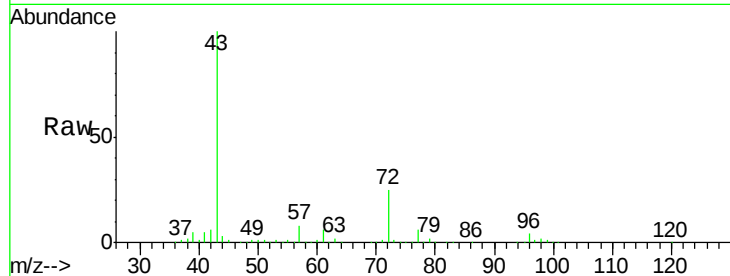
72 25.3 20.3 30.5

Manual Integrations

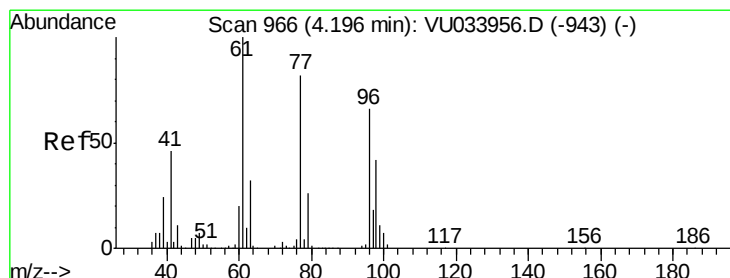
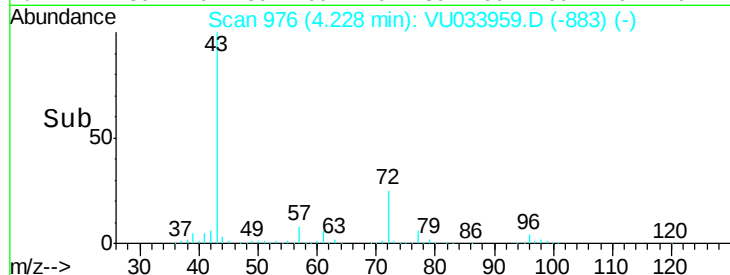
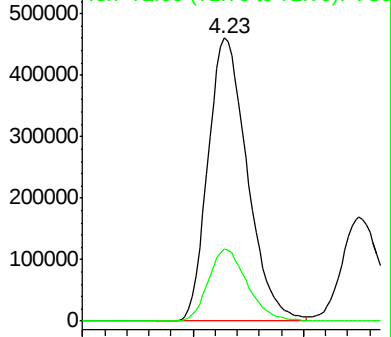
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Abundance Ion 43.00 (42.70 to 43.70): VU033959.D (-883) (-)



#26

2,2-Dichloropropane

Concen: 46.333 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033959.D

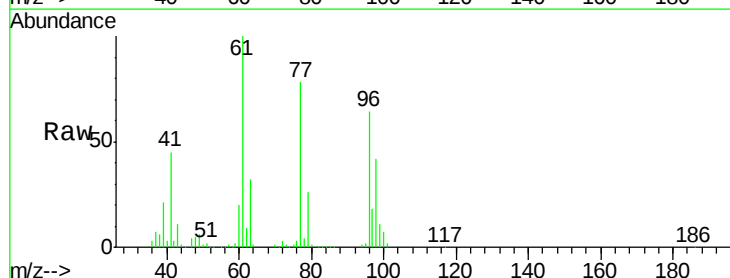
Acq: 26 Aug 2019 19:24

Tgt Ion: 77 Resp: 373531

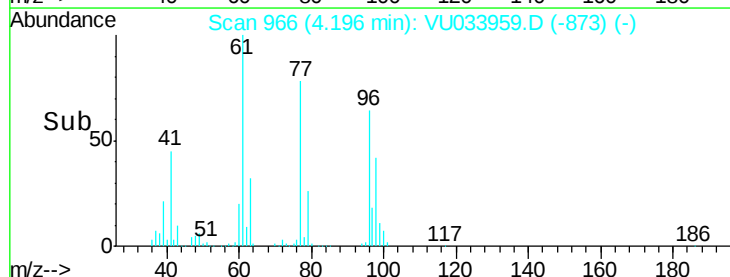
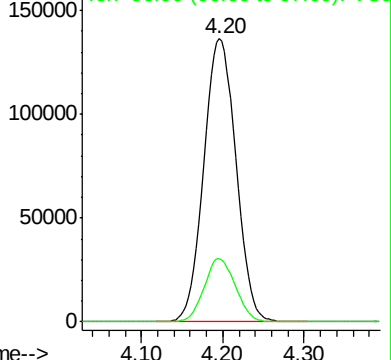
Ion Ratio Lower Upper

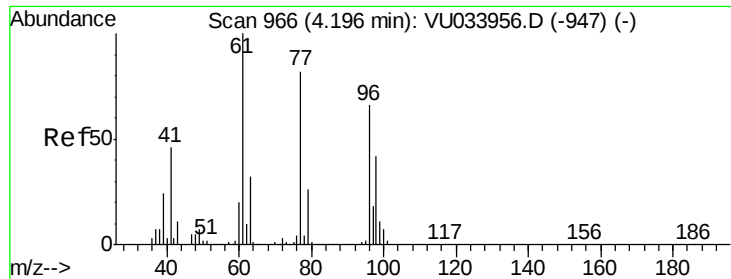
77 100

97 21.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU033959.D (-873) (-)





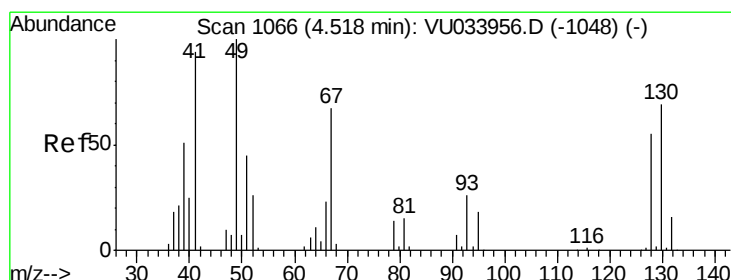
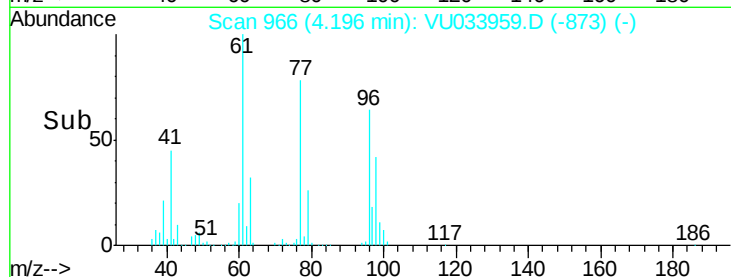
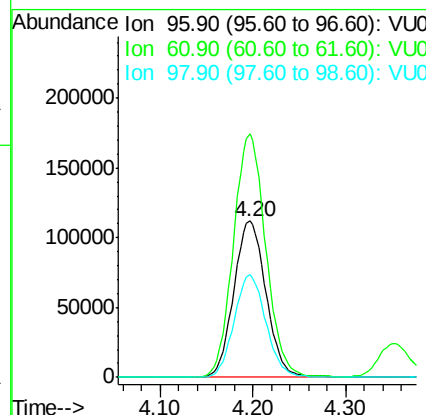
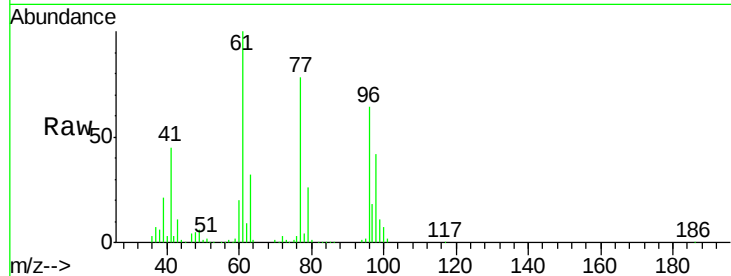
#27
 cis-1,2-Dichloroethene
 Concen: 48.879 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	Ratio	Resp	Lower	Upper
96	100	270228		
61	156.2	0.0	312.2	
98	64.7	0.0	129.4	

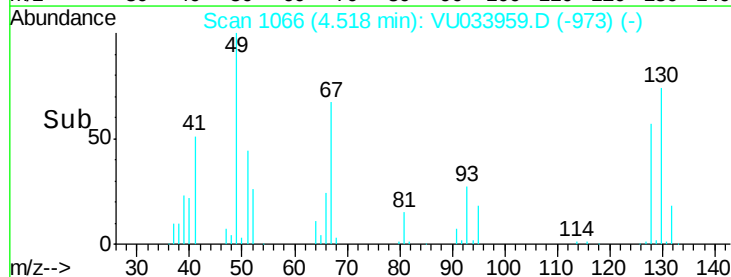
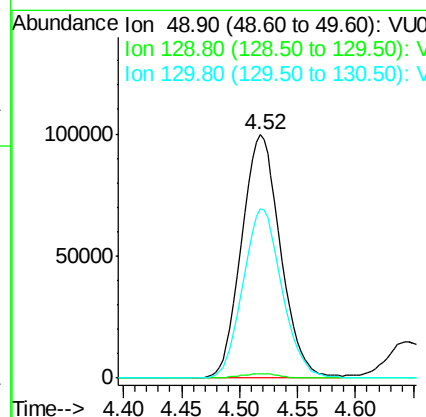
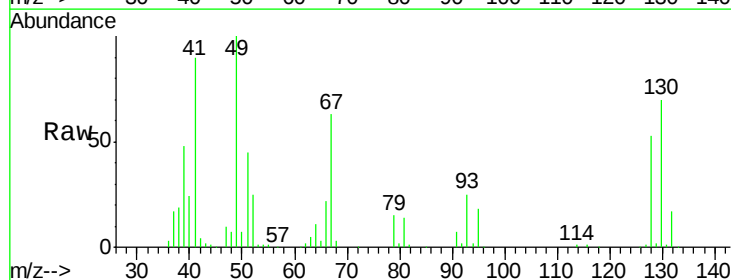
Manual Integrations
 APPROVED

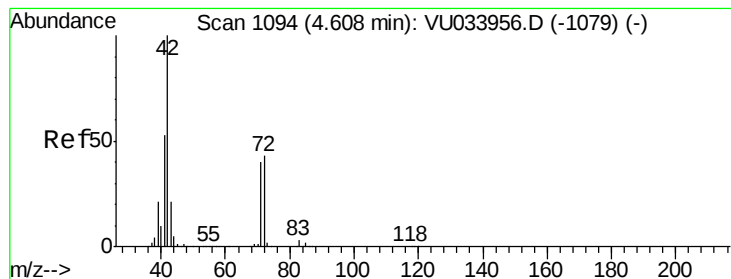
MMDadoda
 8/27/2019 12:17:14 PM



#28
 Bromochloromethane
 Concen: 48.002 ug/l
 RT: 4.52 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	232481		
129	1.8	0.0	3.6	
130	69.7	56.2	84.4	





#29

Tetrahydrofuran

Concen: 255.708 ug/l

RT: 4.61 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

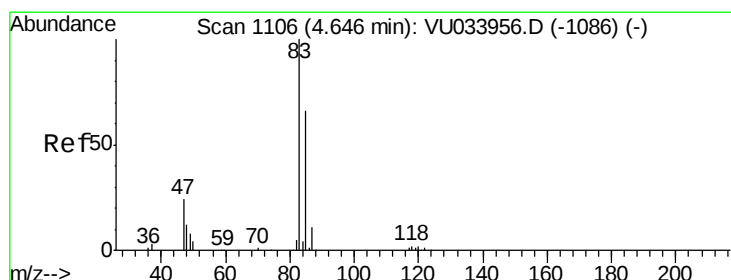
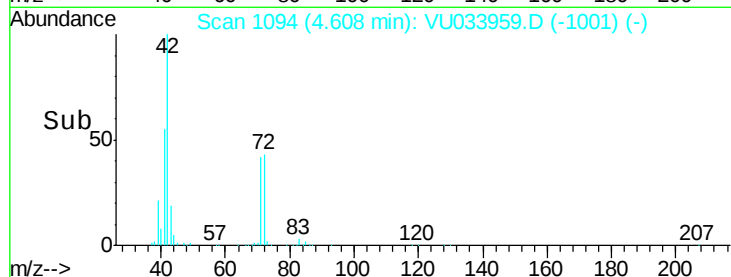
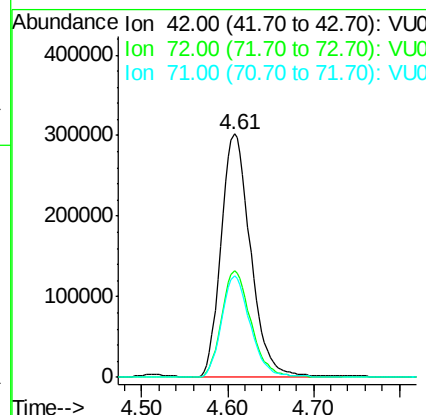
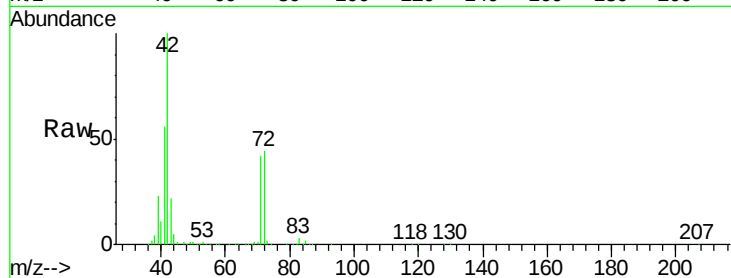
ClientSampleId :

ICVVU082719

Tot Ion:	42	Resp:	720195
Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.6	52.0
71	41.1	32.1	48.1

Manual Integrations
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#30

Chloroform

Concen: 45.024 ug/l

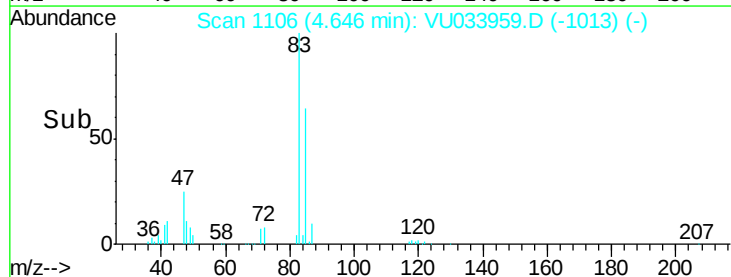
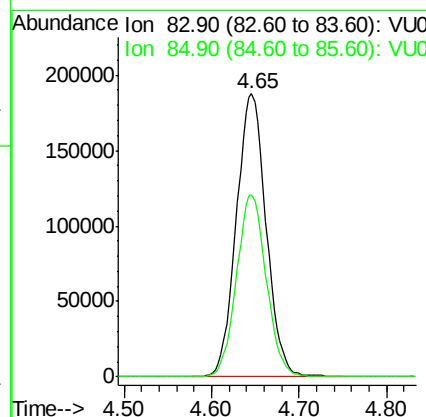
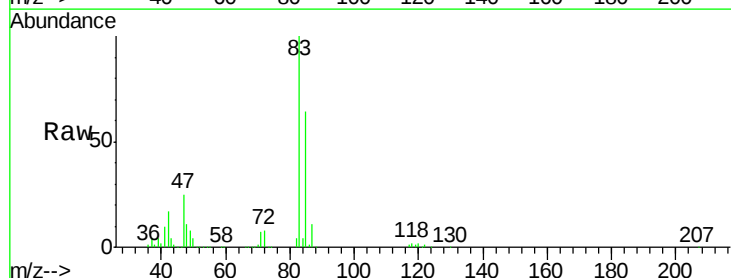
RT: 4.65 min Scan# 1106

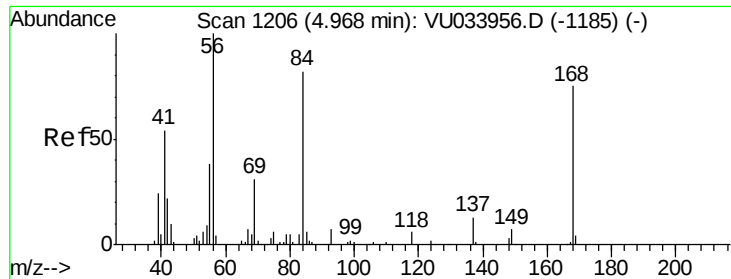
Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion:	83	Resp:	444173
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





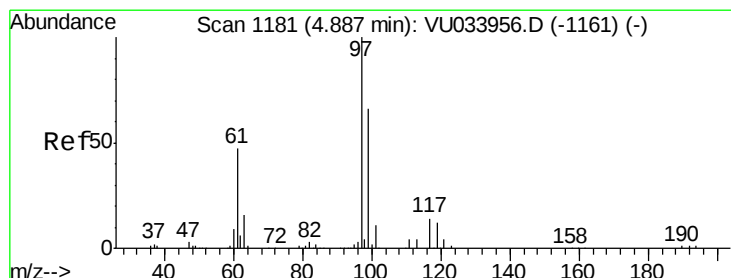
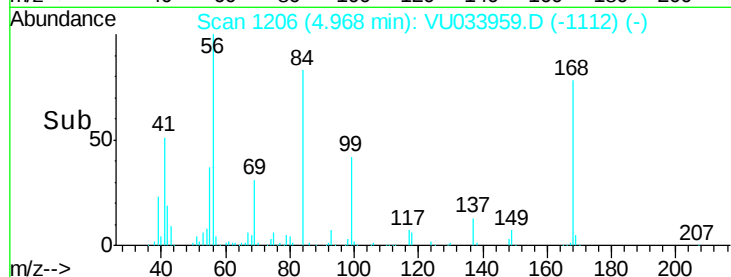
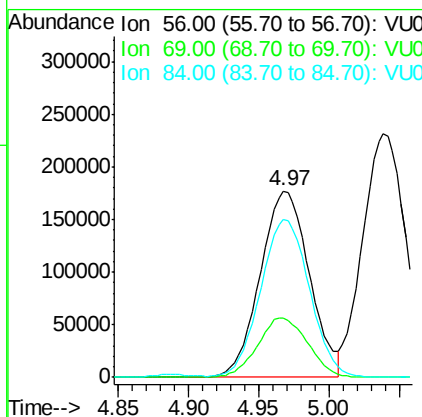
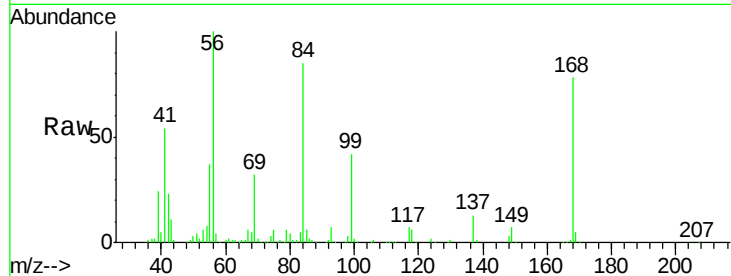
#31
Cyclohexane
Concen: 48.861 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.6	37.0
84	83.8	65.4	98.0

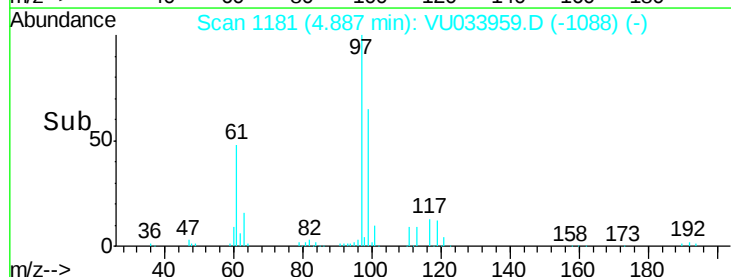
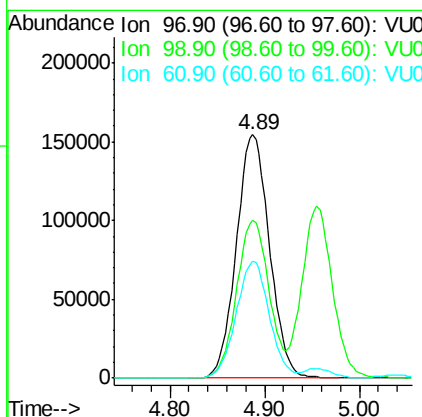
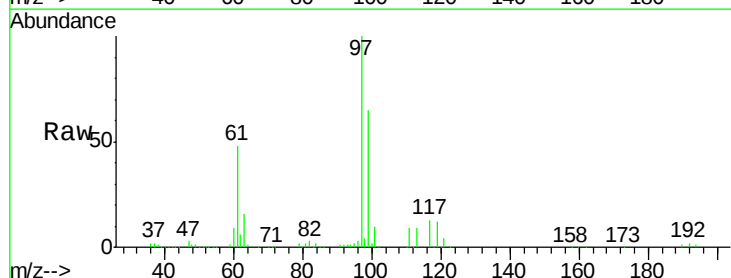
Manual Integrations
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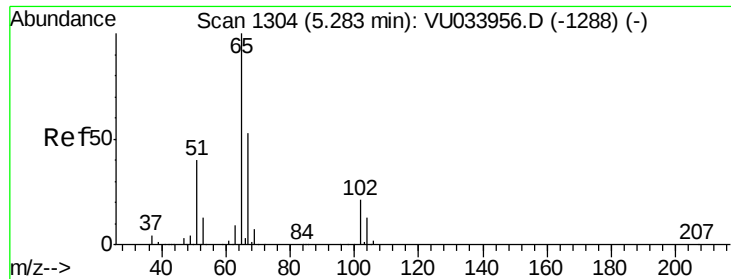
MMDadoda
8/27/2019 12:17:14 PM



#32
1,1,1-Trichloroethane
Concen: 46.700 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	48.0	38.4	57.6





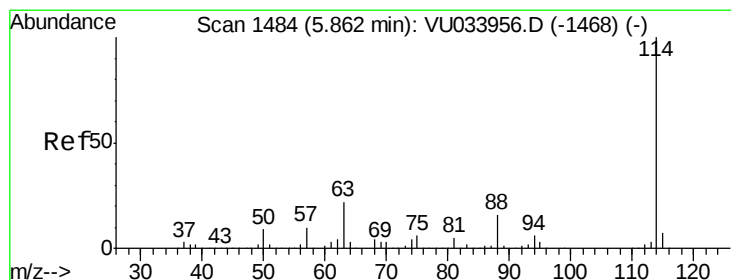
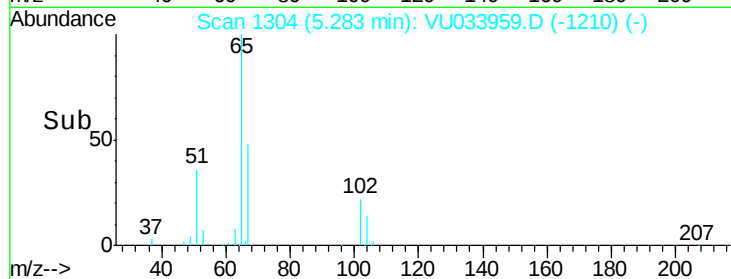
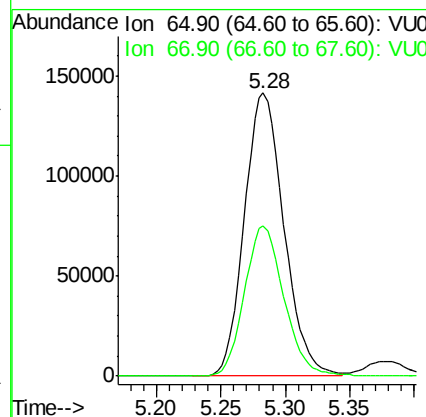
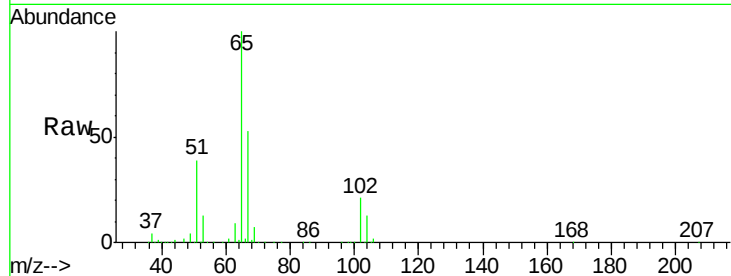
#33
 1,2-Dichloroethane-d4
 Concen: 49.928 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	Ratio	Resp	Lower	Upper
65	100	302222		
67	53.1	0.0	107.2	

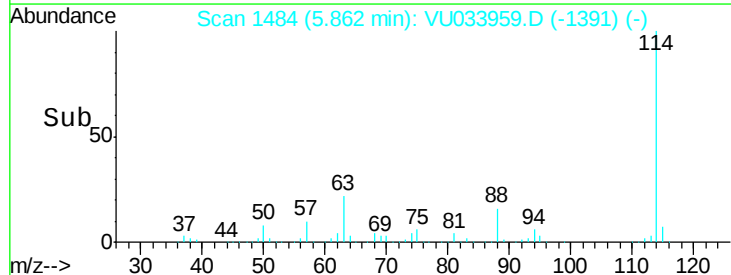
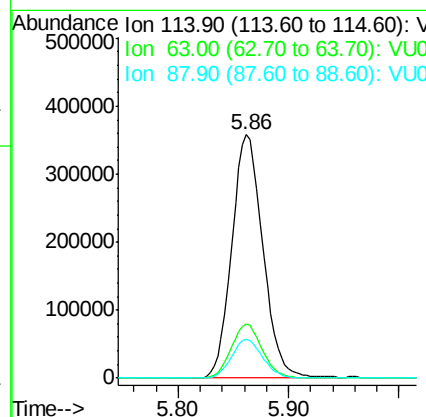
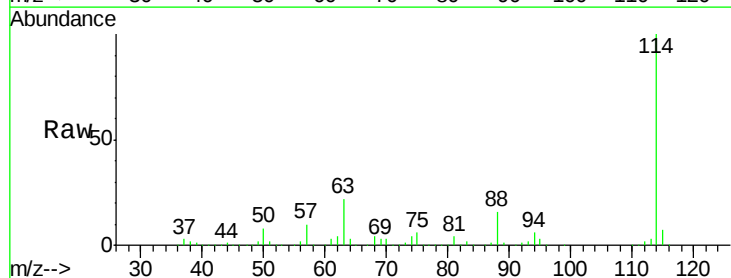
Manual Integrations
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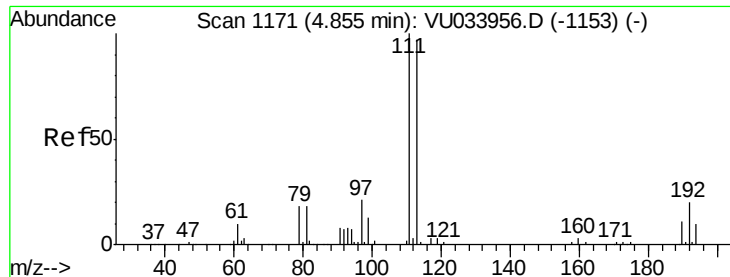
MMDadoda
 8/27/2019 12:17:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	701246		
63	22.3	0.0	44.2	
88	15.8	0.0	32.0	





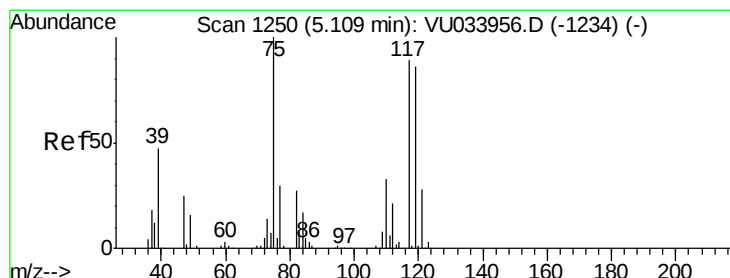
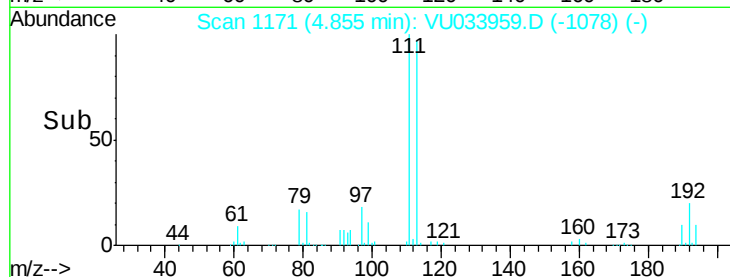
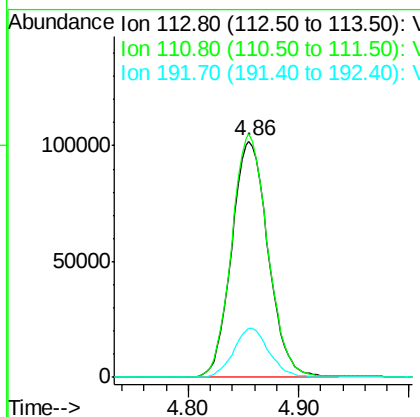
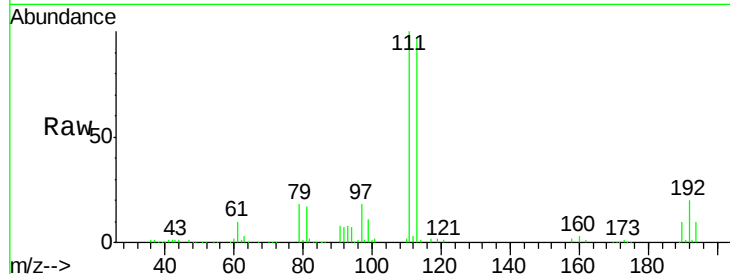
#35
 Dibromofluoromethane
 Concen: 47.989 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU082719

Tot Ion	Ratio	Resp	Lower	Upper
113	100	234082		
111	102.0	82.0	123.0	
192	20.2	16.2	24.4	

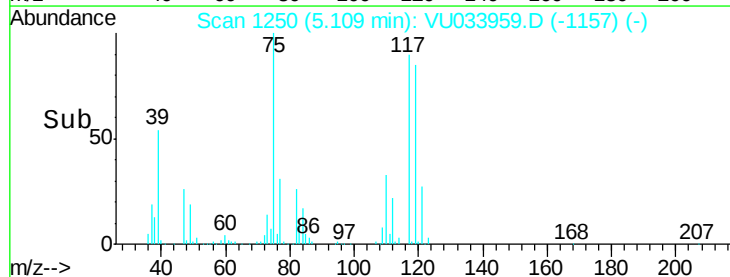
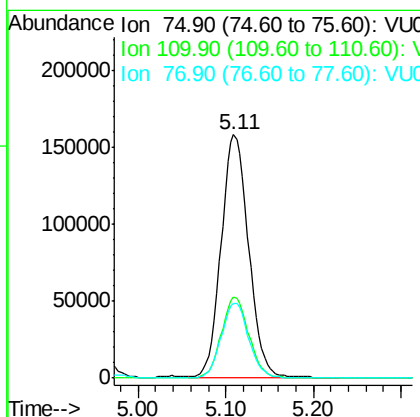
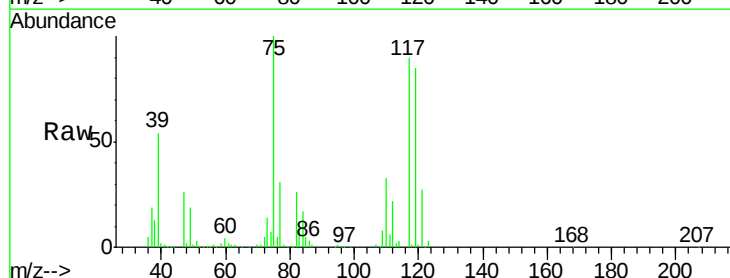
Manual Integrations
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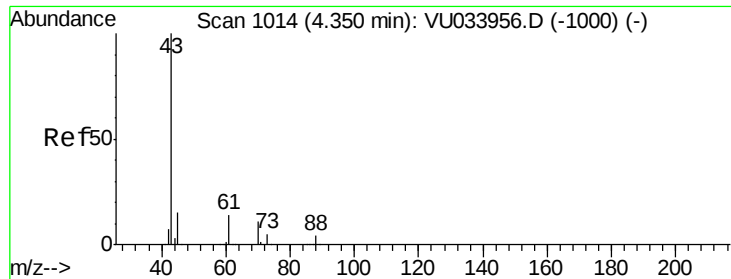
MMDadoda
 8/27/2019 12:17:14 PM



#36
 1,1-Dichloropropene
 Concen: 47.693 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	345315		
110	33.1	16.8	50.4	
77	30.7	24.7	37.1	





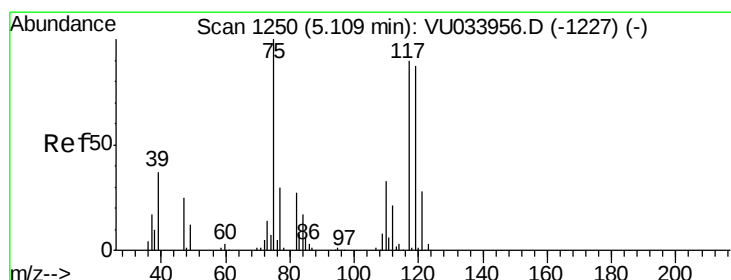
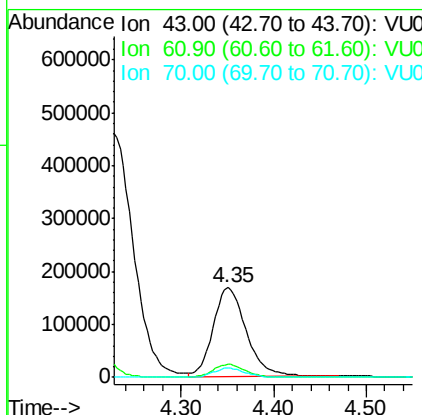
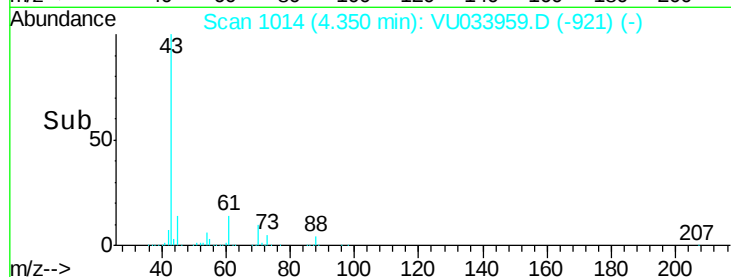
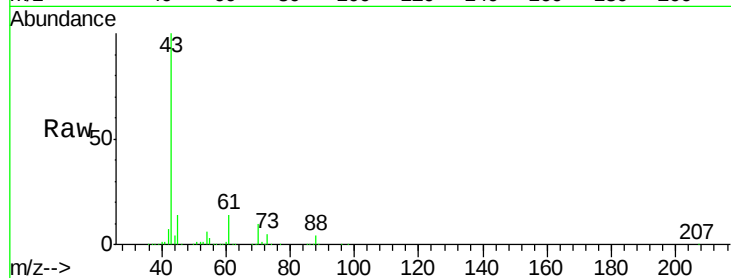
#37
Ethyl Acetate
Concen: 48.449 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	10.1	8.2	12.4

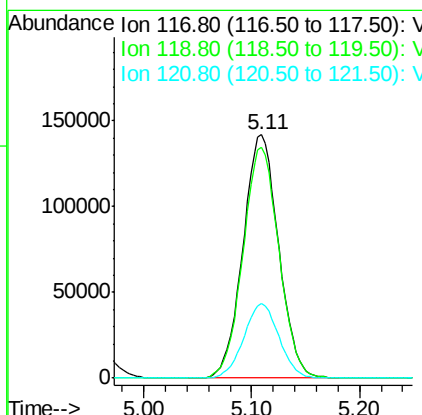
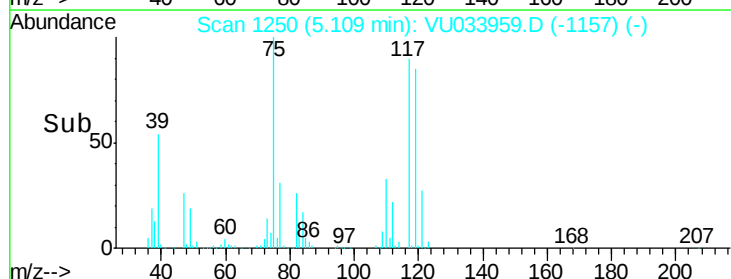
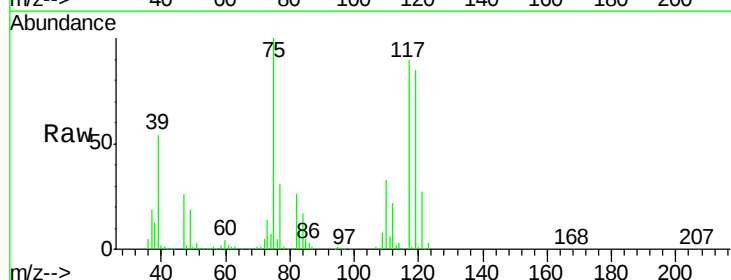
Manual Integrations
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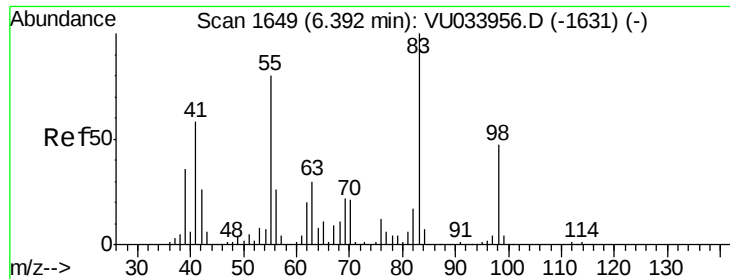
MMDadoda
8/27/2019 12:17:14 PM



#38
Carbon Tetrachloride
Concen: 45.094 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.9	115.3
121	30.7	24.9	37.3





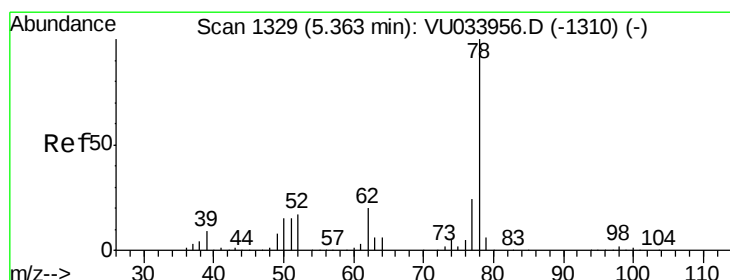
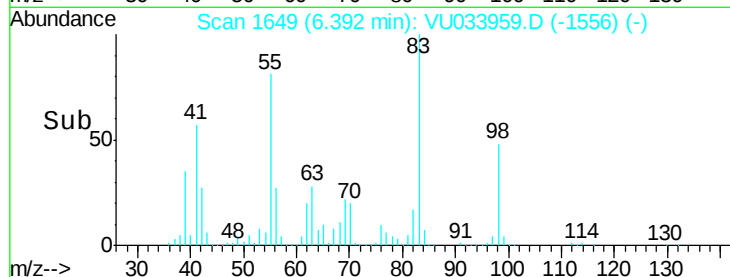
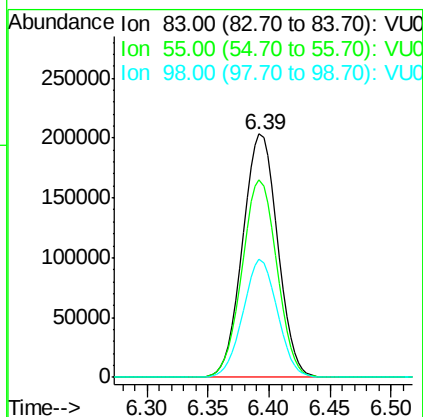
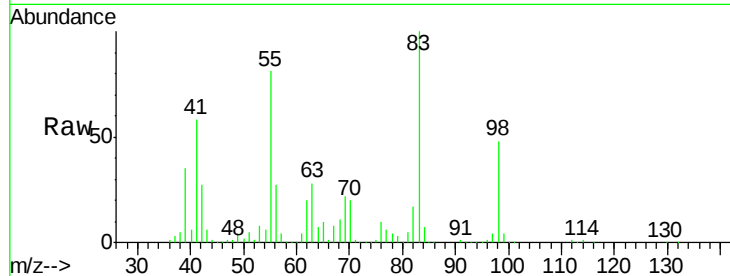
#39
Methvlcvclohexane
Concen: 50.281 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.8	95.8
98	48.4	37.7	56.5

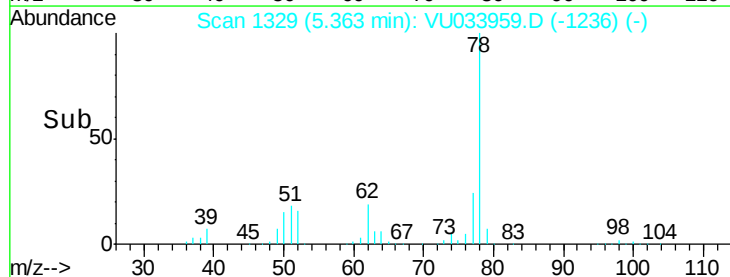
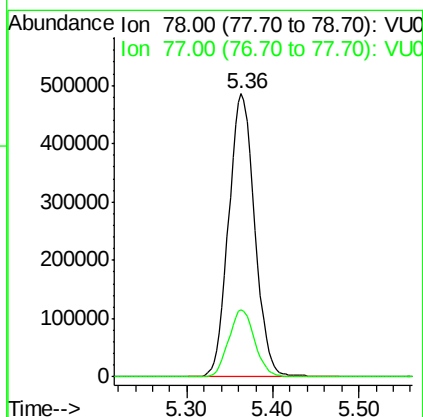
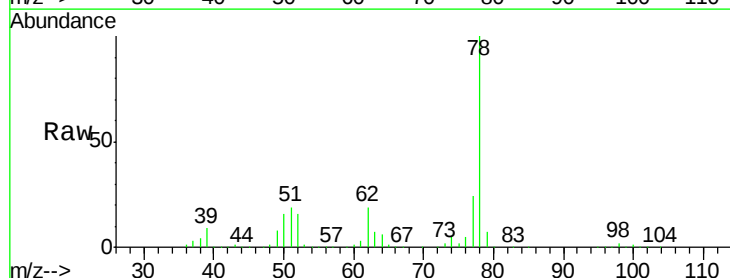
Manual Integrations
APPROVED

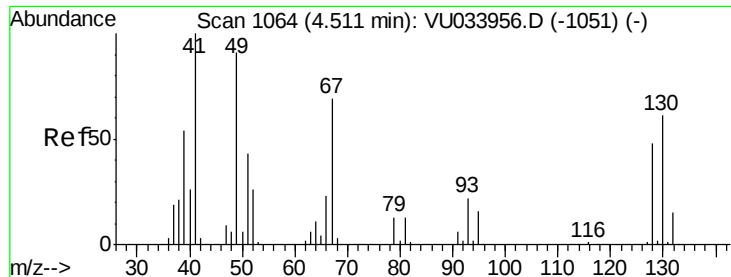
MMDadoda
8/27/2019 12:17:14 PM



#40
Benzene
Concen: 47.410 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 51.730 ug/l

RT: 4.51 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 41 Resp: 223440

Ion Ratio Lower Upper

41 100

39 52.9 43.3 64.9

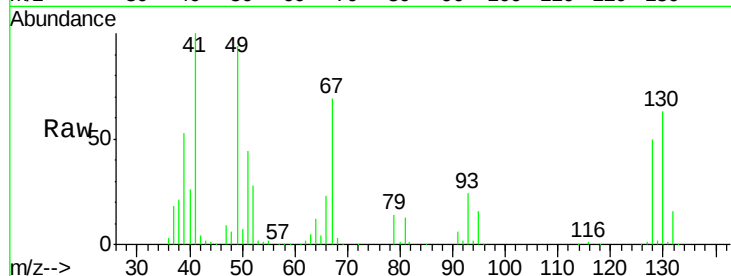
67 71.1 57.5 86.3

52 28.8 22.6 34.0

Manual Integrations
APPROVED

MMDadoda

8/27/2019 12:17:14 PM

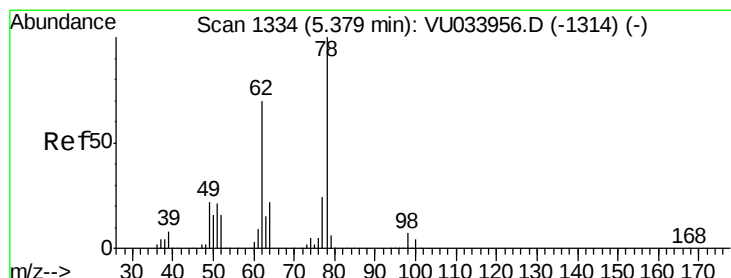
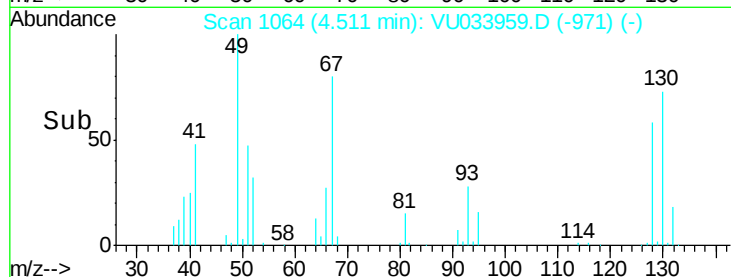
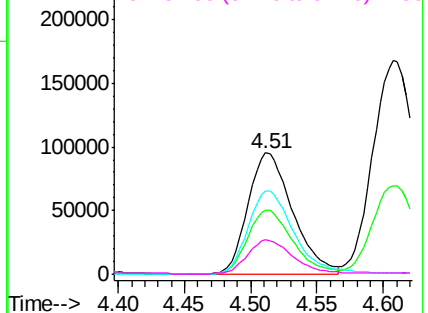


Abundance Ion 41.00 (40.70 to 41.70): VU033959.D (-1051) (-)

Ion 39.00 (38.70 to 39.70): VU033959.D (-1051) (-)

Ion 67.00 (66.70 to 67.70): VU033959.D (-1051) (-)

Ion 52.00 (51.70 to 52.70): VU033959.D (-1051) (-)



#42

1,2-Dichloroethane

Concen: 46.319 ug/l

RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU033959.D

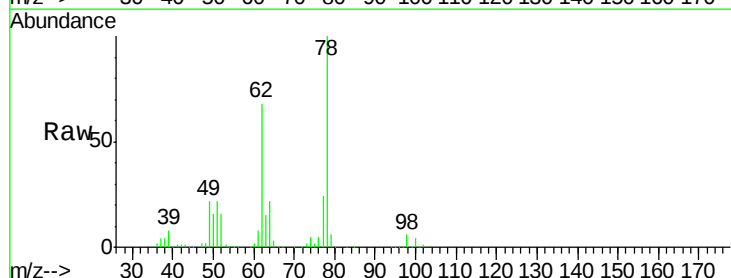
Acq: 26 Aug 2019 19:24

Tgt Ion: 62 Resp: 367995

Ion Ratio Lower Upper

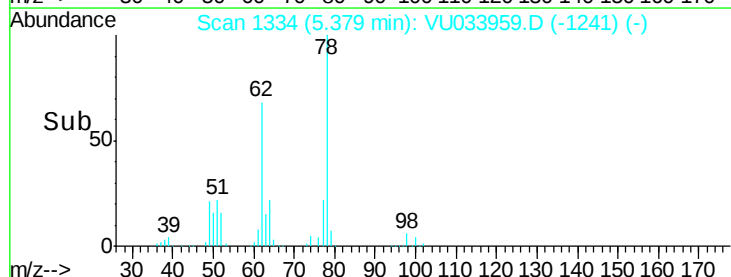
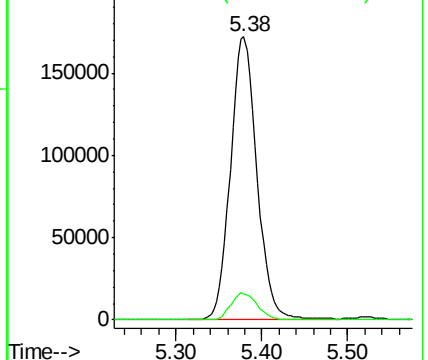
62 100

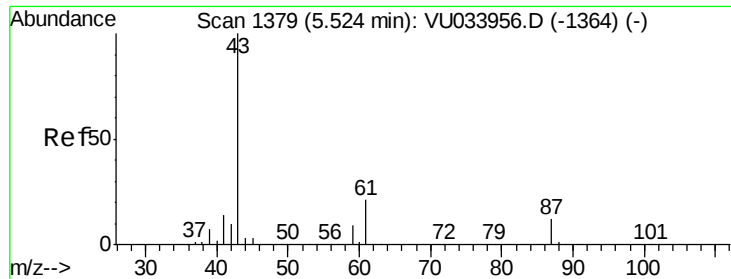
98 9.5 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VU033959.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VU033959.D (-1241) (-)





#43

Isopropyl Acetate

Concen: 50.348 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

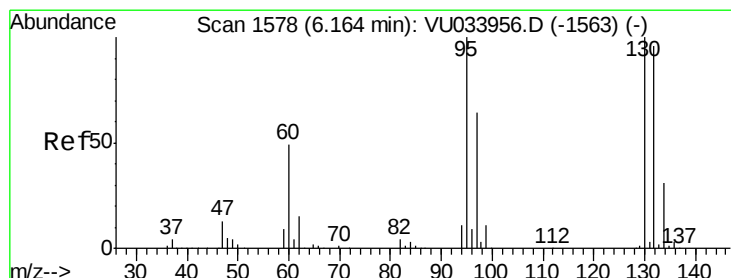
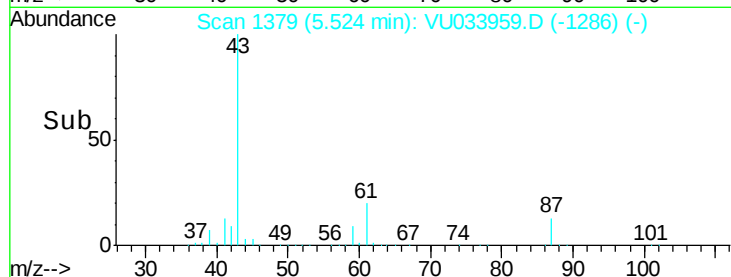
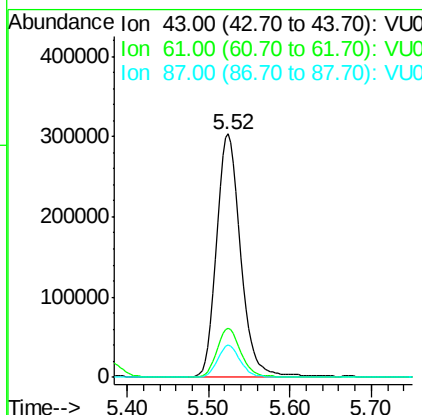
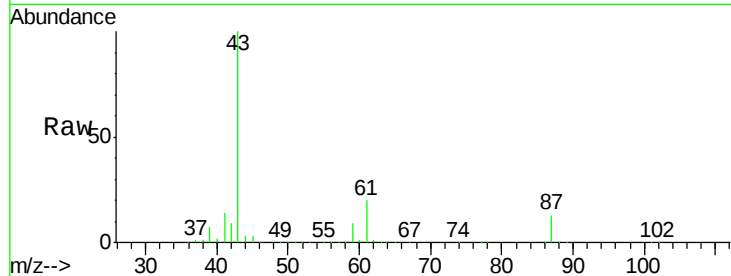
ClientSampleId :

ICVVU082719

Tot Ion:	43	Resp:	632970
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	12.7	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 45.716 ug/l

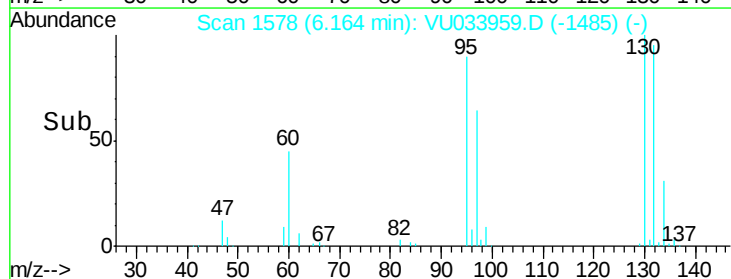
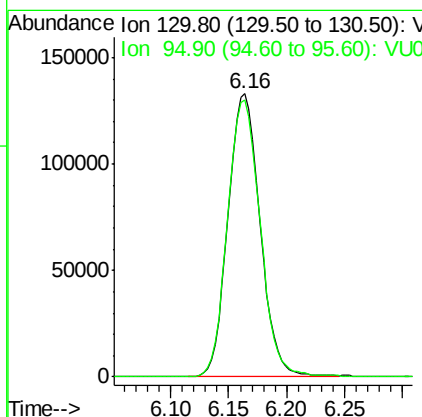
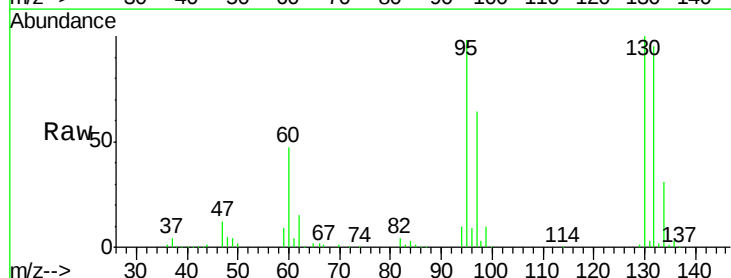
RT: 6.16 min Scan# 1578

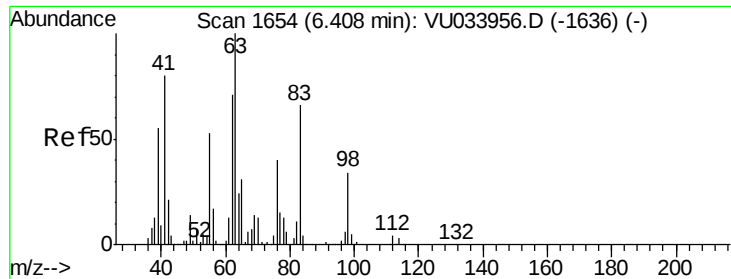
Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion:	130	Resp:	254590
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	200.4





#45

1,2-Dichloropropane

Concen: 46.733 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 63 Resp: 278385

Ion Ratio Lower Upper

63 100

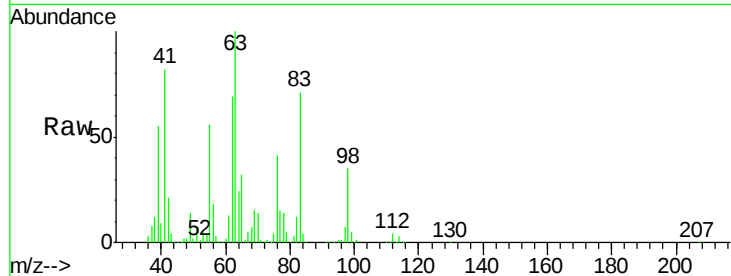
65 31.5 25.0 37.4

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Abundance Ion 62.90 (62.60 to 63.60): VU033956.D (-1636) (-)

Ion 64.90 (64.60 to 65.60): VU033959.D (-1561) (-)

6.41

150000

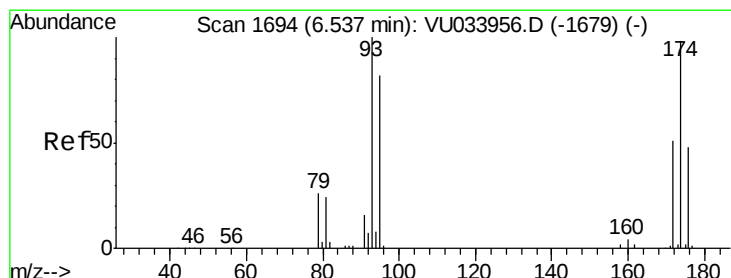
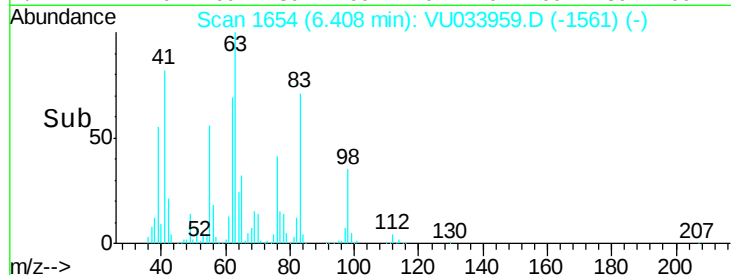
100000

50000

0

6.30 6.40 6.50

Time-->



#46

Dibromomethane

Concen: 47.303 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

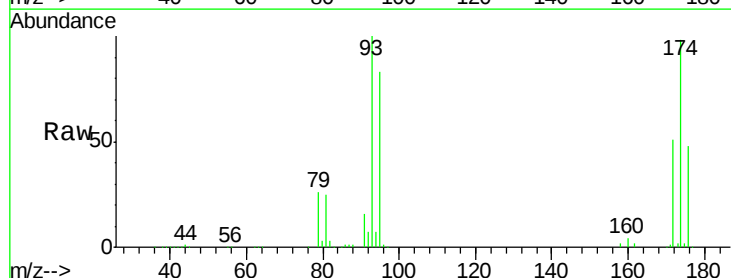
Tgt Ion: 93 Resp: 181089

Ion Ratio Lower Upper

93 100

95 82.8 67.3 100.9

174 98.1 79.7 119.5



Abundance Ion 92.80 (92.50 to 93.50): VU033956.D (-1679) (-)

Ion 94.80 (94.50 to 95.50): VU033959.D (-1601) (-)

Ion 173.70 (173.40 to 174.40): VU033959.D (-1601) (-)

6.54

120000

100000

80000

60000

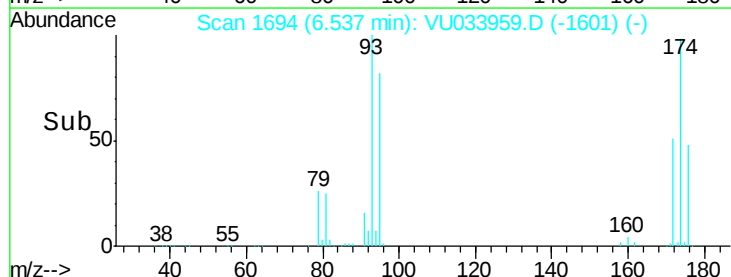
40000

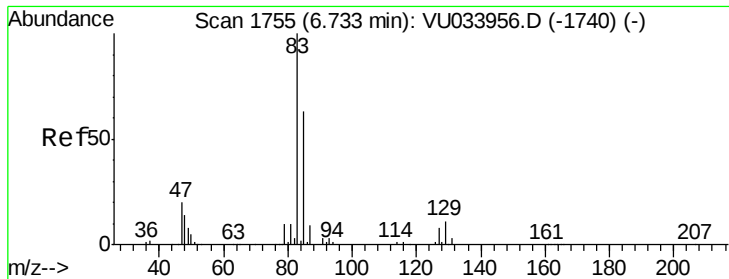
20000

0

6.50 6.60 6.70

Time-->





#47

Bromodichloromethane

Concen: 46.258 ug/l

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

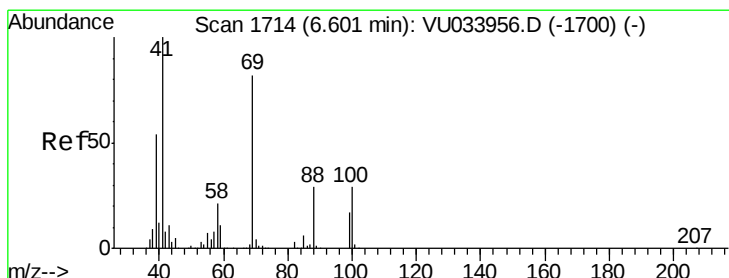
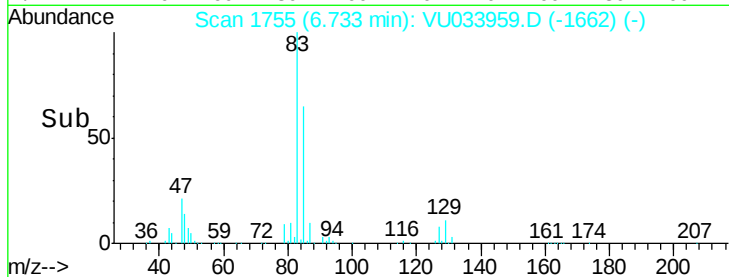
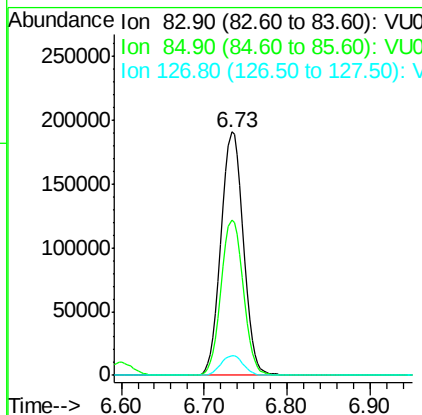
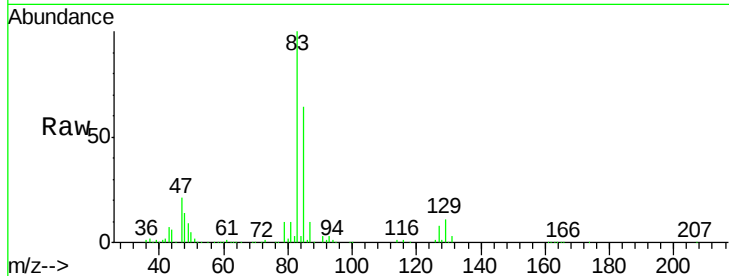
ClientSampleId :

ICVVU082719

Tot Ion:	83	Resp:	358100
Ion Ratio	Lower	Upper	
83	100		
85	64.0	50.5	75.7
127	8.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 46.611 ug/l

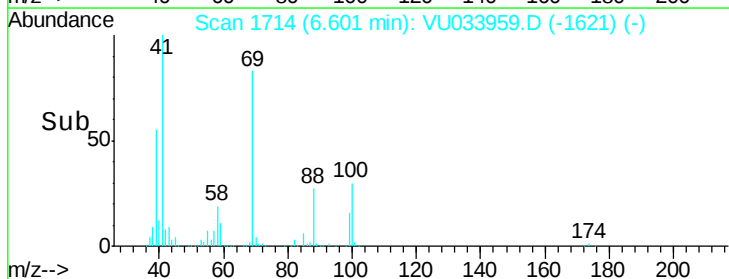
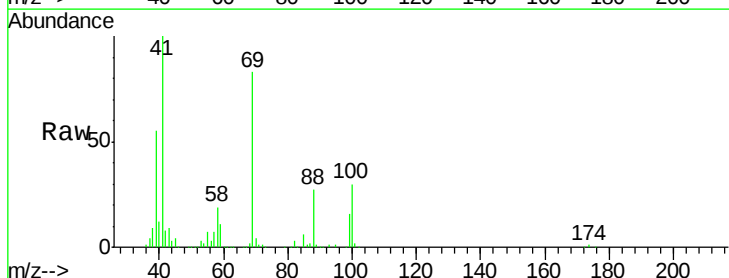
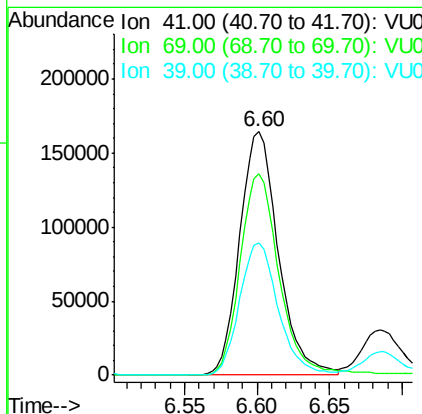
RT: 6.60 min Scan# 1714

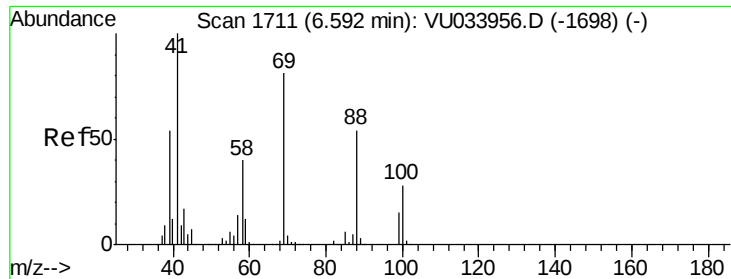
Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion:	41	Resp:	304404
Ion Ratio	Lower	Upper	
41	100		
69	84.3	66.9	100.3
39	53.9	43.3	64.9





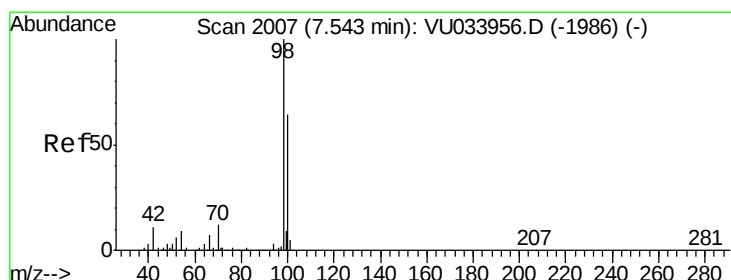
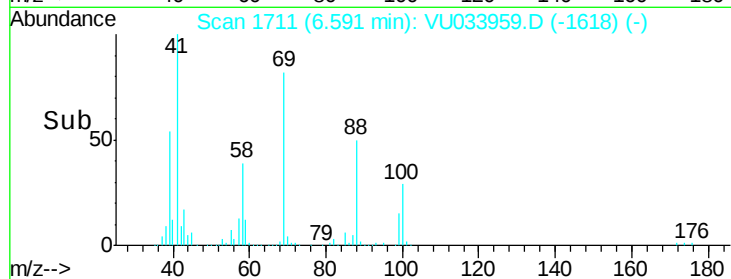
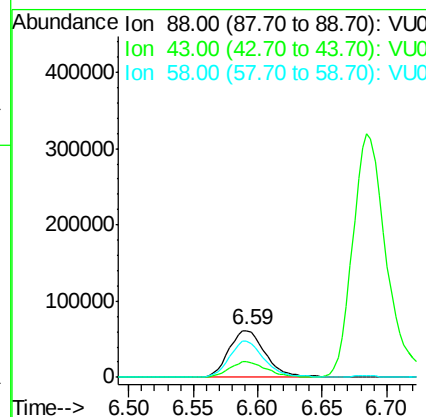
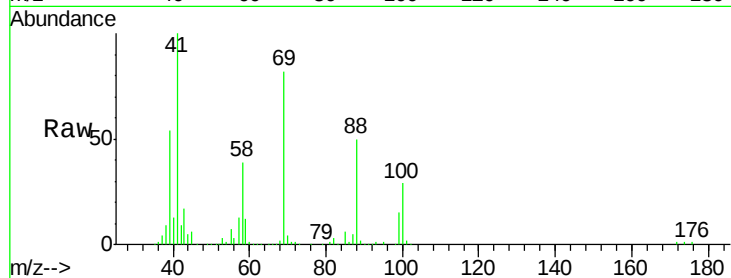
#49
1,4-Dioxane
Concen: 931.264 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.8	27.2	40.8	
58	75.8	59.3	88.9	

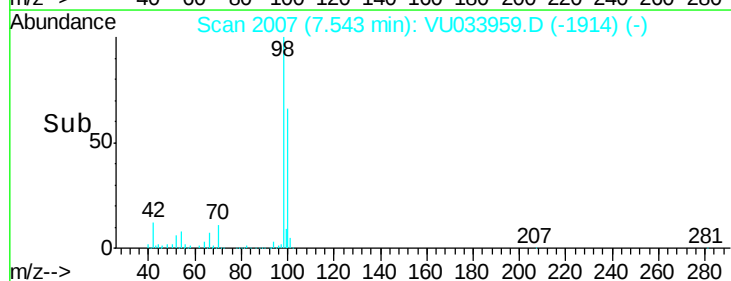
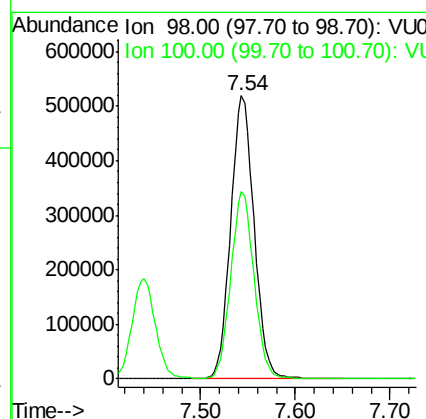
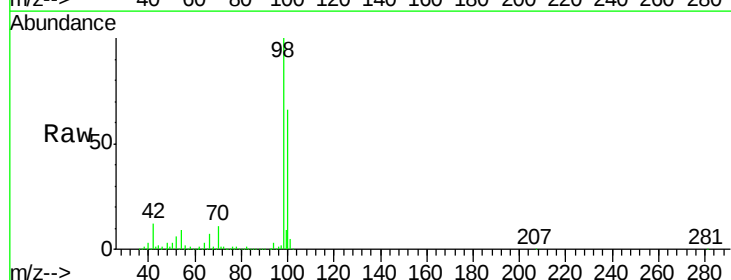
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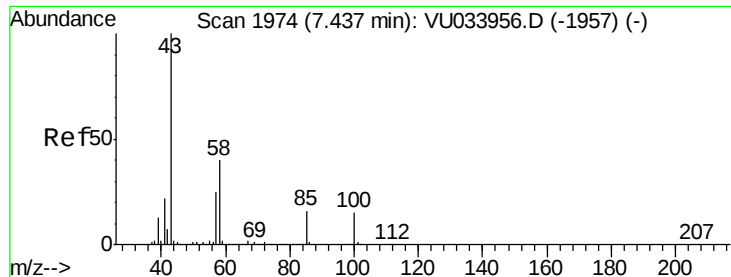
MMDadoda
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#50
Toluene-d8
Concen: 49.688 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.1	51.8	77.6	





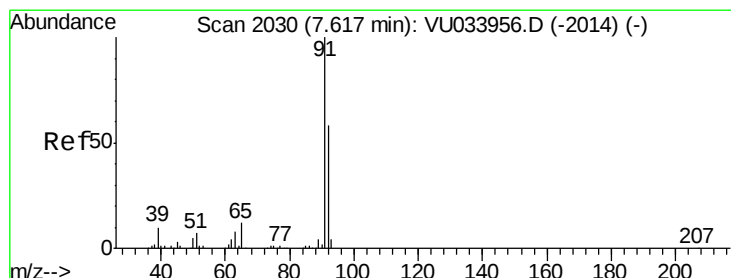
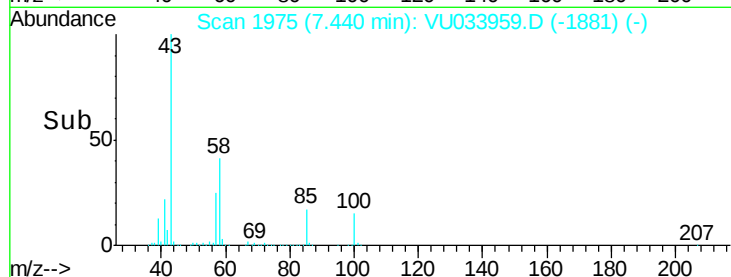
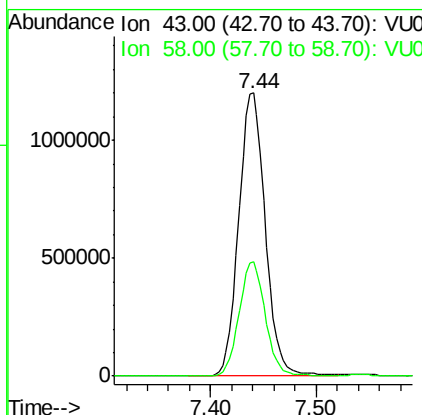
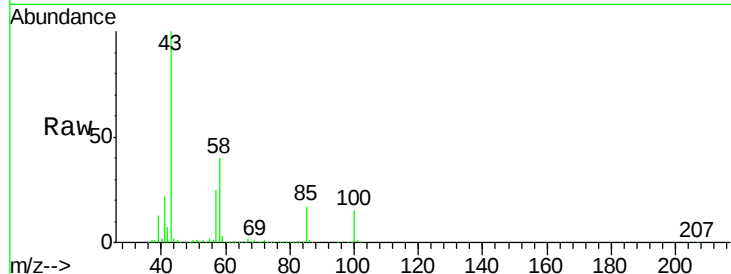
#51
 4-Methyl-2-Pentanone
 Concen: 245.649 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU082719

Tot Ion: 43 Resp: 2096602
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.6 47.4

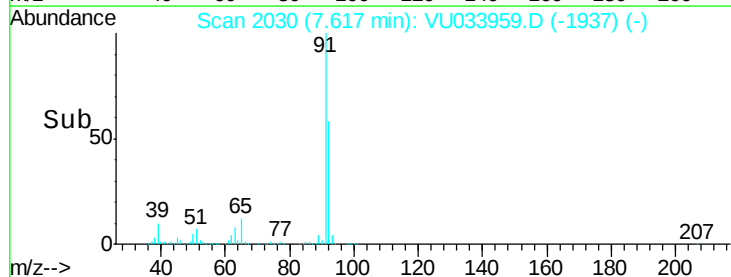
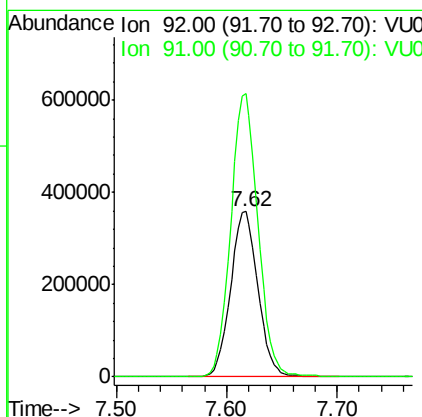
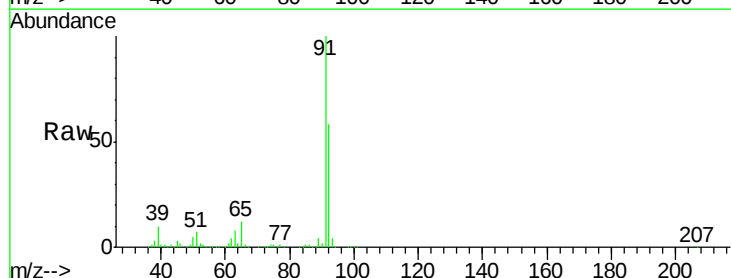
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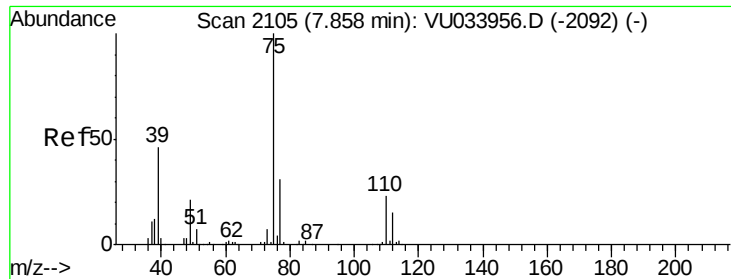
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#52
 Toluene
 Concen: 49.318 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 92 Resp: 616260
 Ion Ratio Lower Upper
 92 100
 91 170.7 137.5 206.3





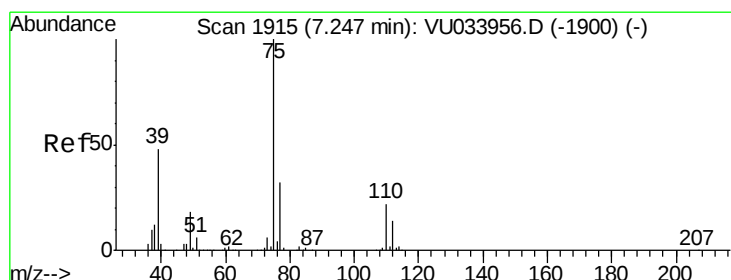
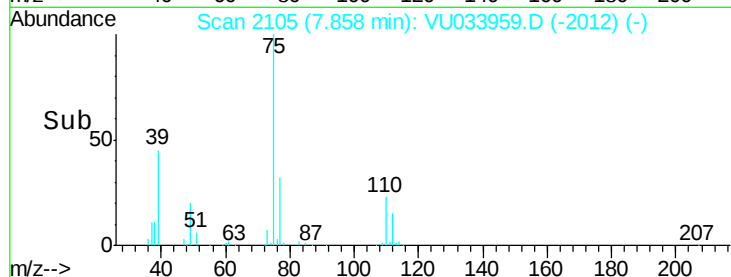
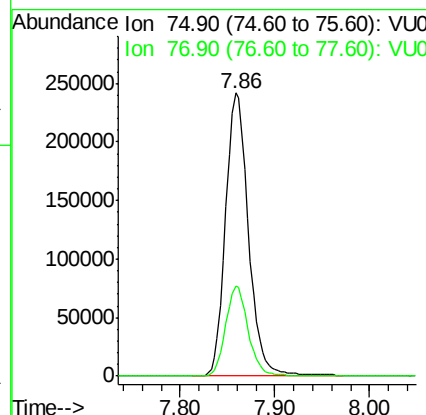
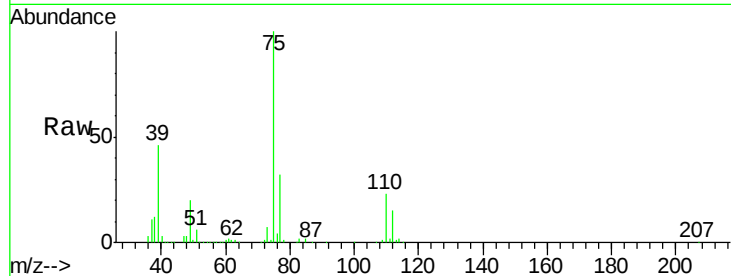
#53
t-1,3-Dichloropropene
Concen: 50.763 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampled :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

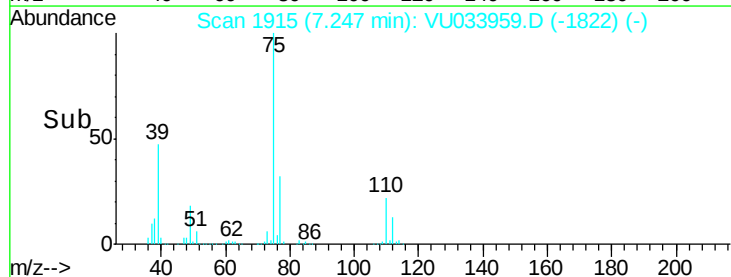
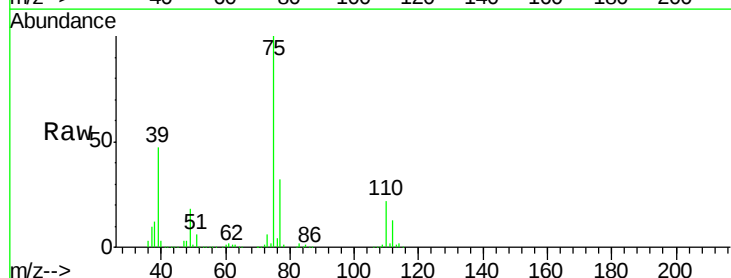
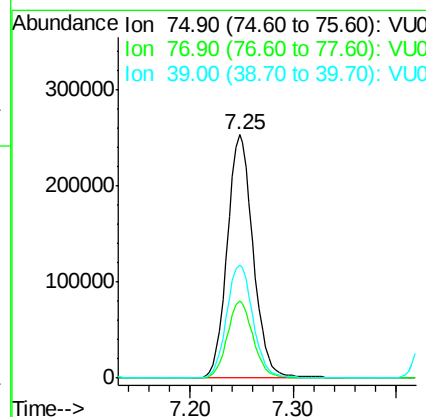
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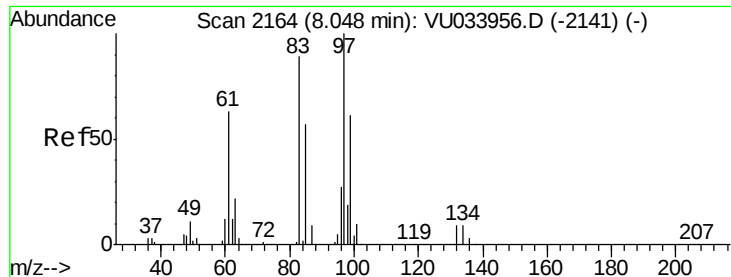
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#54
cis-1,3-Dichloropropene
Concen: 49.679 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	46.6	38.3	57.5





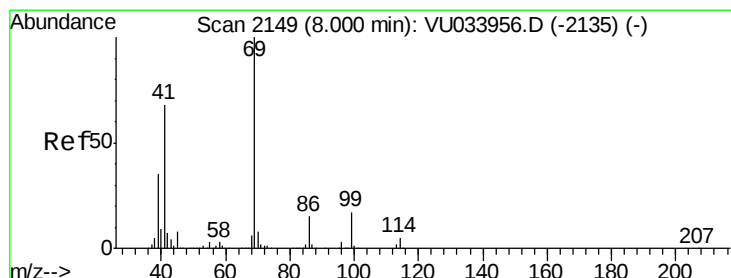
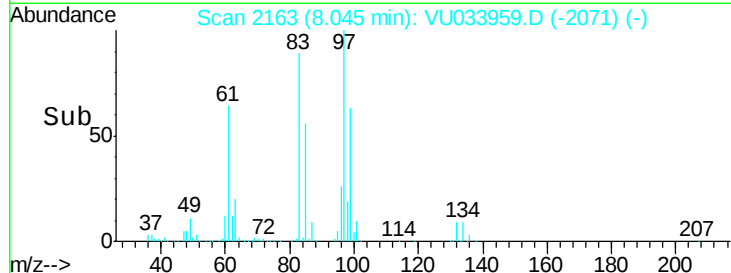
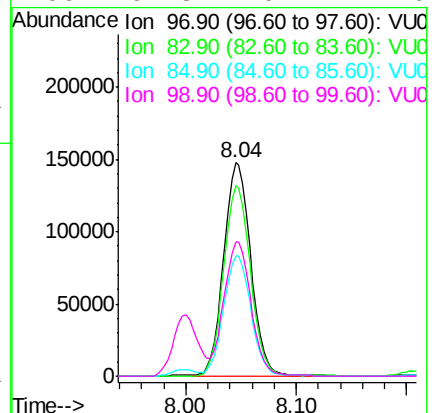
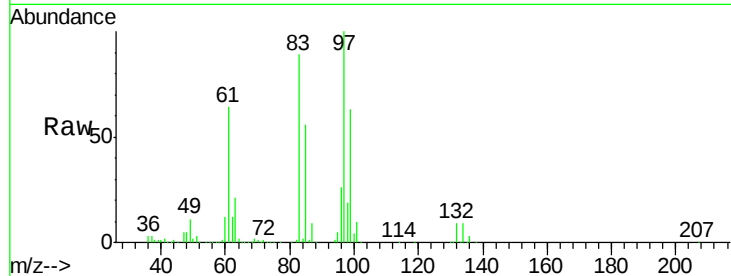
#55
 1,1,2-Trichloroethane
 Concen: 45.394 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	97	Resp	250175
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.0	106.4
85	56.3	45.5	68.3
99	62.8	49.4	74.0

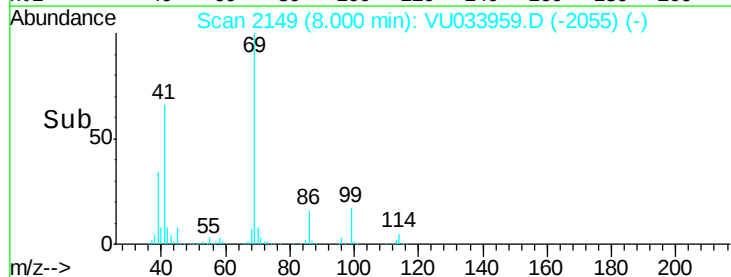
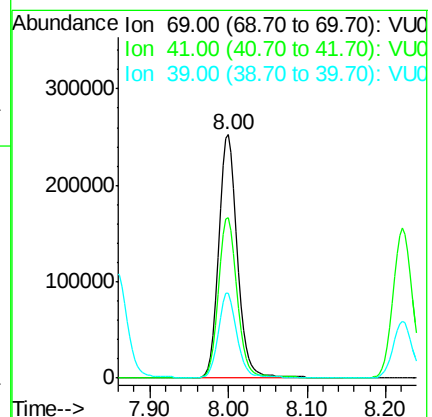
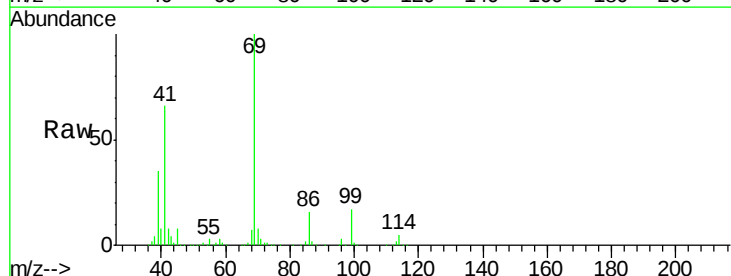
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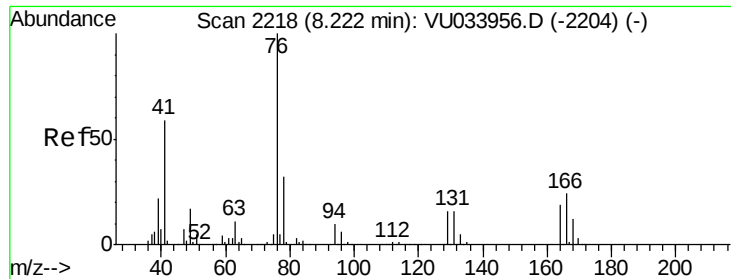
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#56
 Ethyl methacrylate
 Concen: 46.565 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	69	Resp	412799
Ion	Ratio	Lower	Upper
69	100		
41	66.0	54.1	81.1
39	33.6	28.1	42.1





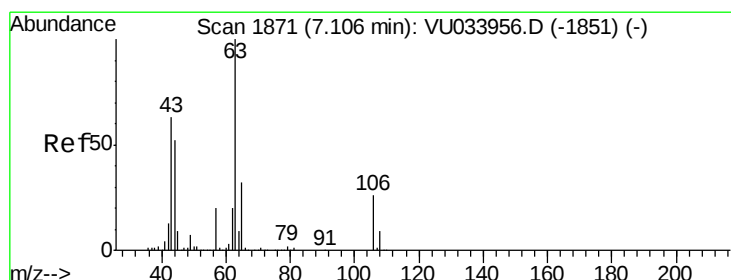
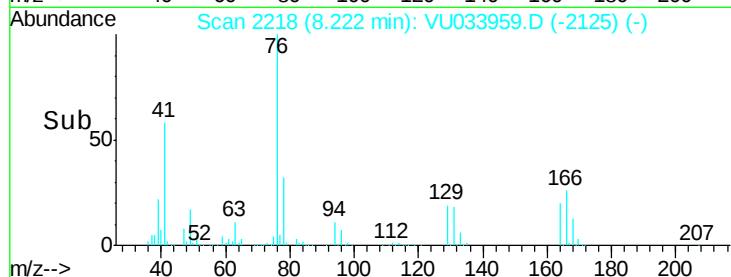
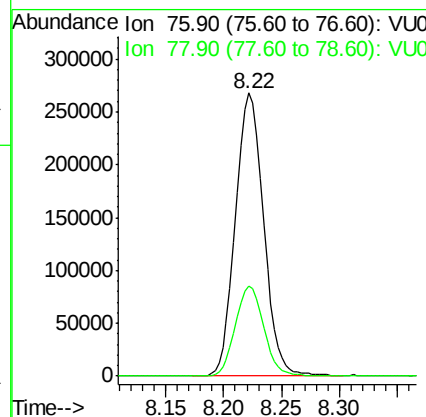
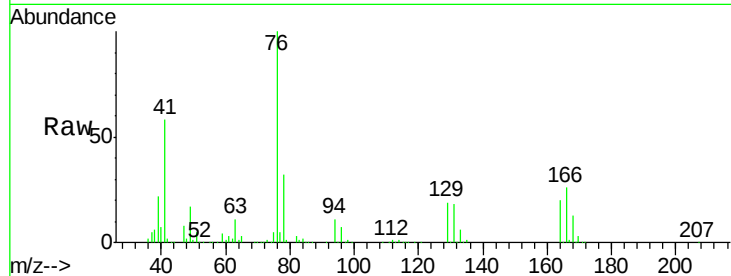
#57
 1,3-Dichloropropane
 Concen: 47.167 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion: 76 Resp: 451461
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.2

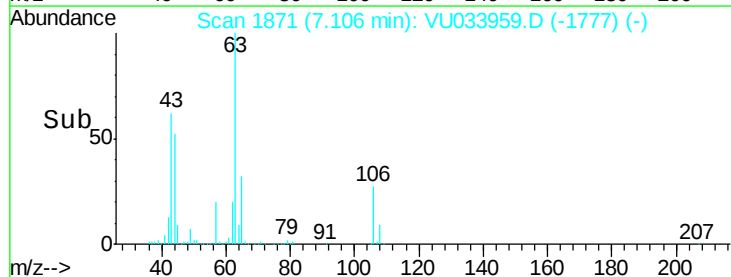
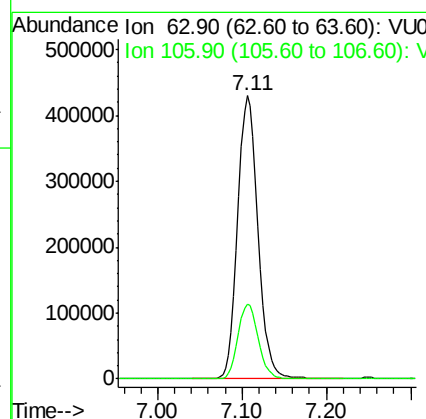
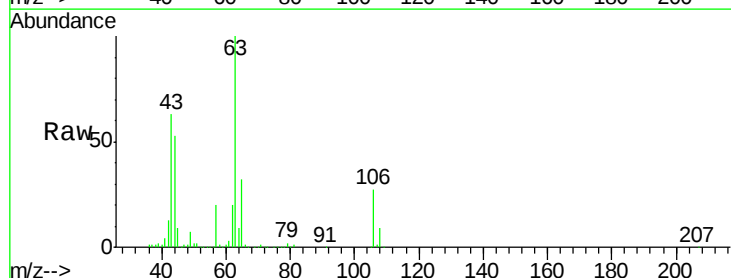
Manual Integrations
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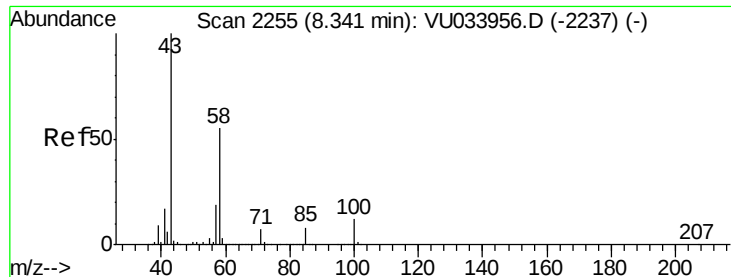
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 214.641 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion: 63 Resp: 722712
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.8 31.2





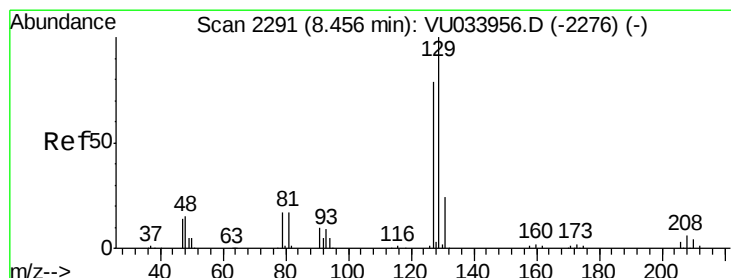
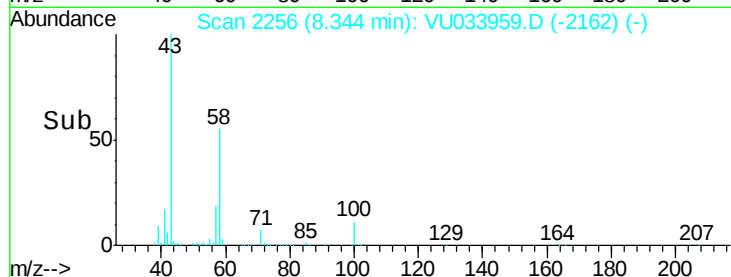
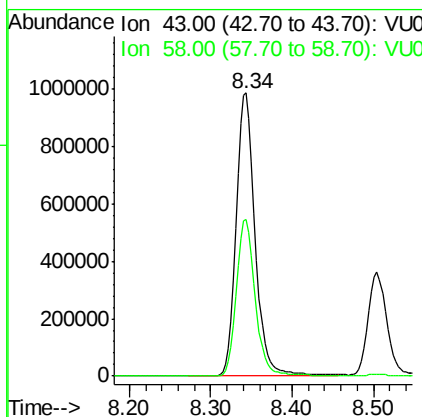
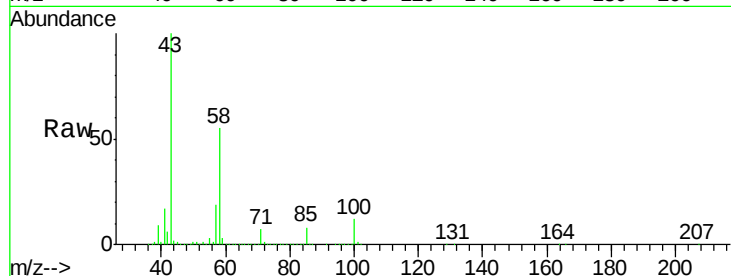
#59
2-Hexanone
Concen: 247.266 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion: 43 Resp: 1609073
Ion Ratio Lower Upper
43 100
58 55.5 27.3 81.9

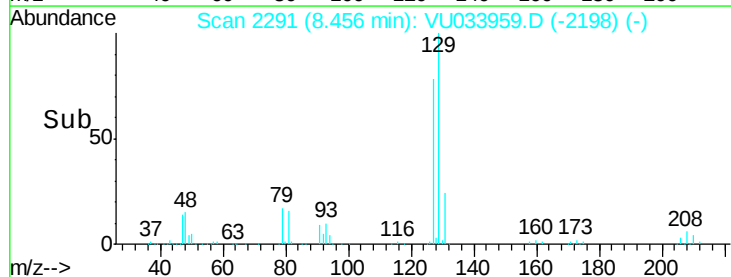
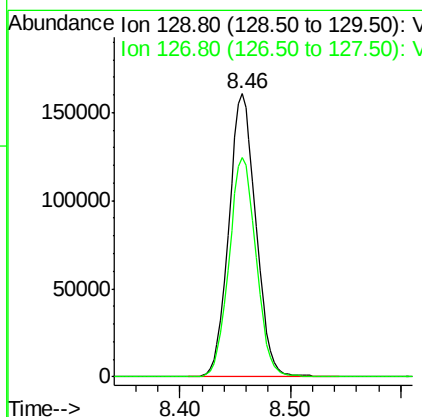
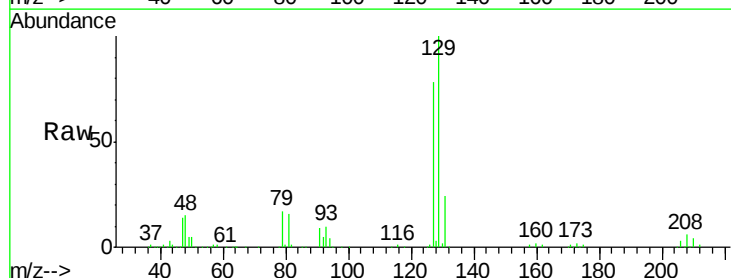
Manual Integrations
APPROVED

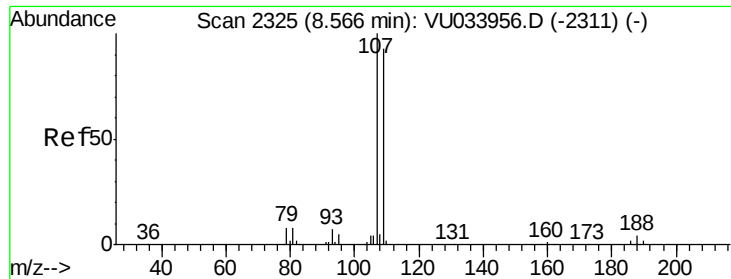
MMDadoda
8/27/2019 12:17:14 PM



#60
Dibromochloromethane
Concen: 47.630 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion: 129 Resp: 273275
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





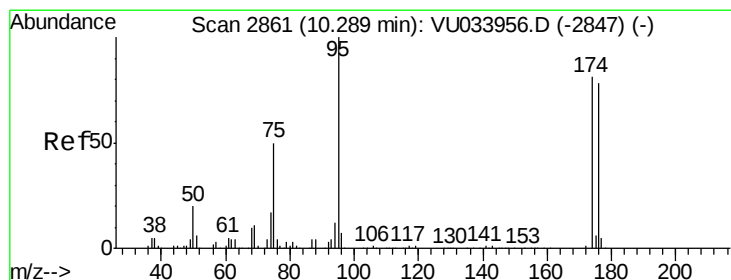
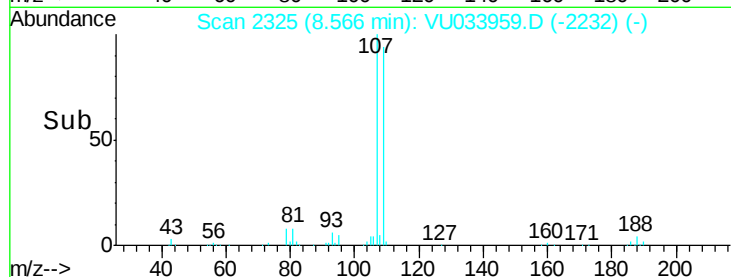
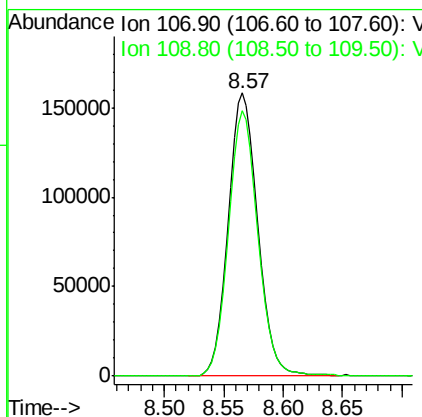
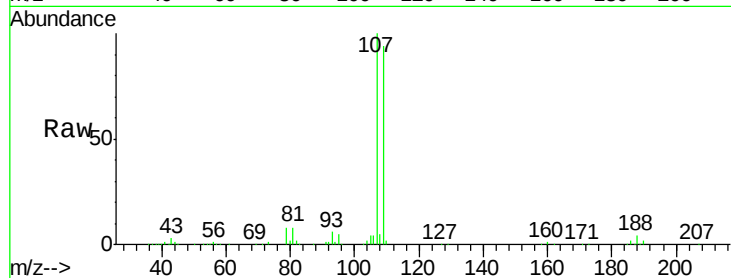
#61
 1,2-Dibromoethane
 Concen: 47.562 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	Ratio	Resp	Lower	Upper
107	100	271761		
109	94.1	74.7	112.1	

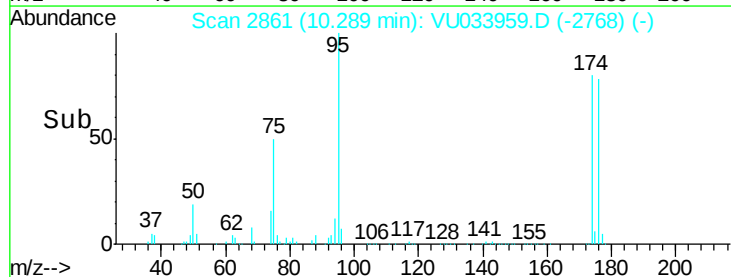
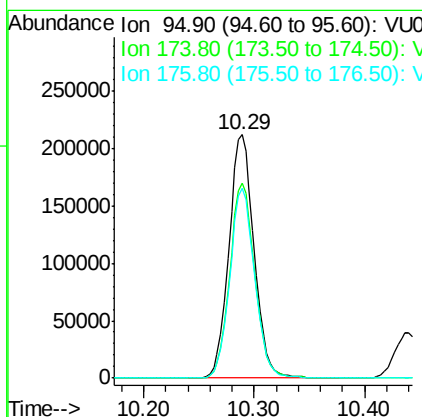
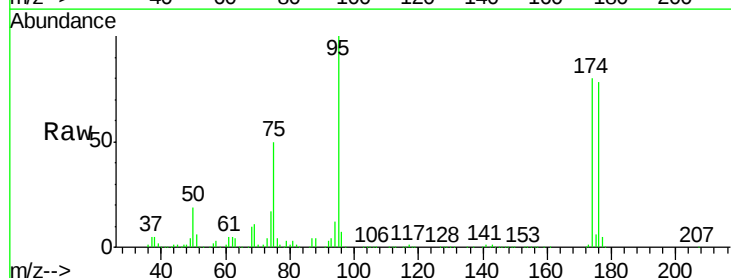
Manual Integrations
 APPROVED

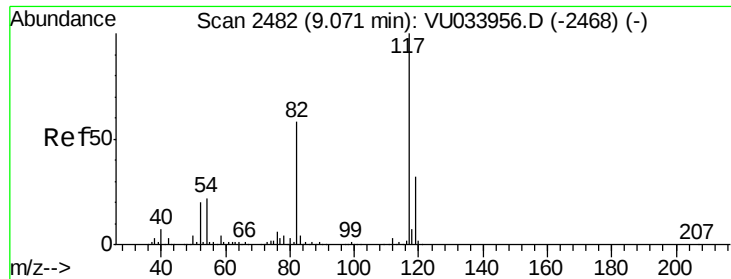
MMDadoda
 8/27/2019 12:17:14 PM



#62
 4-Bromofluorobenzene
 Concen: 48.191 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	335191		
174	80.1	0.0	160.4	
176	77.4	0.0	154.2	





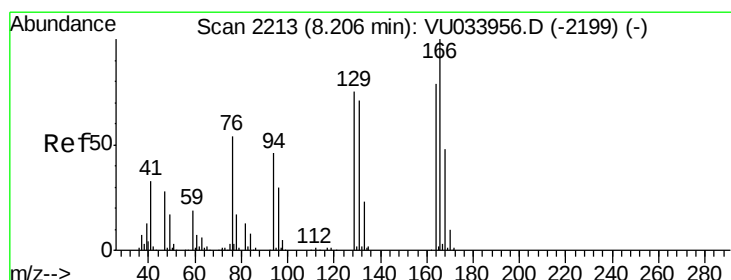
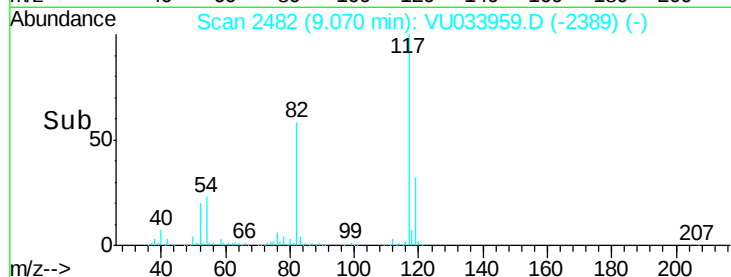
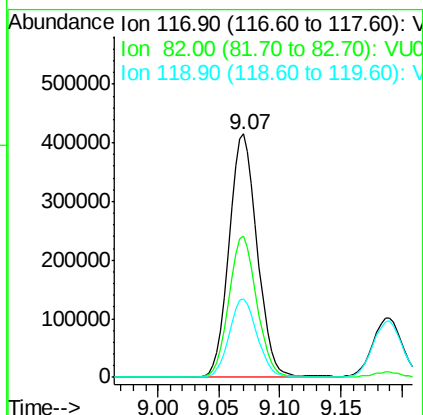
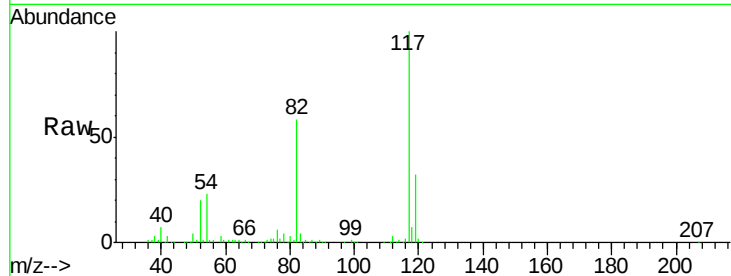
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Resp	Lower	Upper
117	100	671158		
82	57.8	46.4	69.6	
119	32.4	25.3	37.9	

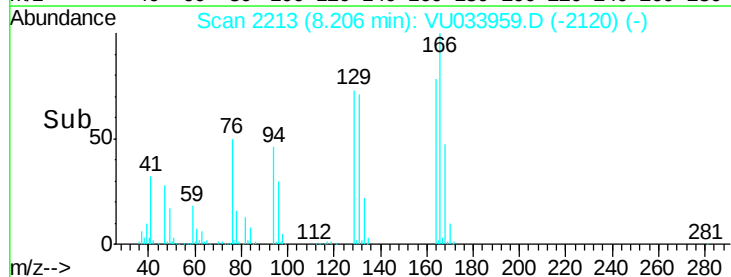
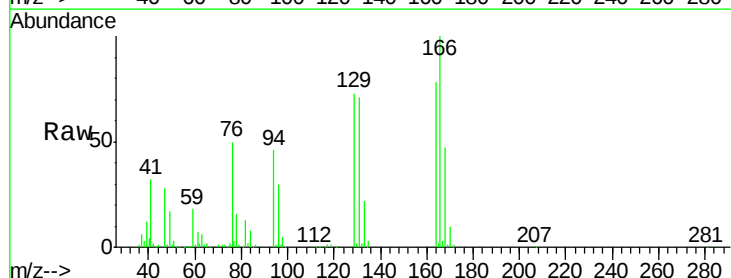
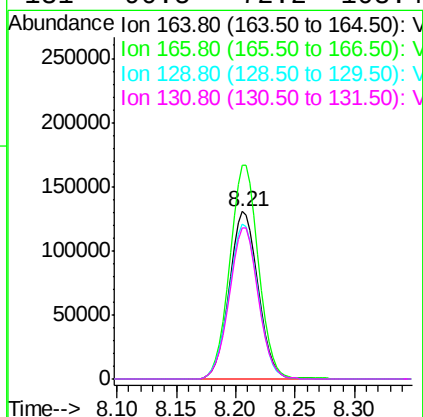
Manual Integrations
APPROVED

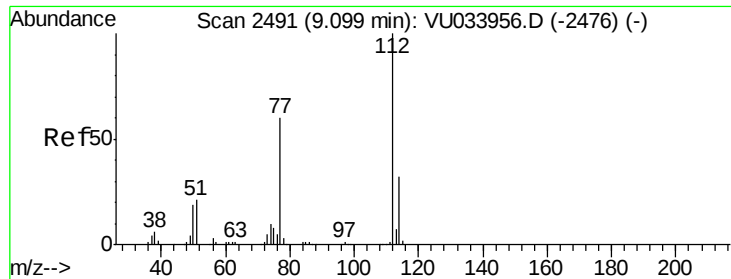
MMDadoda
8/27/2019 12:17:14 PM



#64
Tetrachloroethene
Concen: 45.529 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	219095		
166	127.6	101.4	152.2	
129	92.8	76.6	114.8	
131	90.5	72.2	108.4	





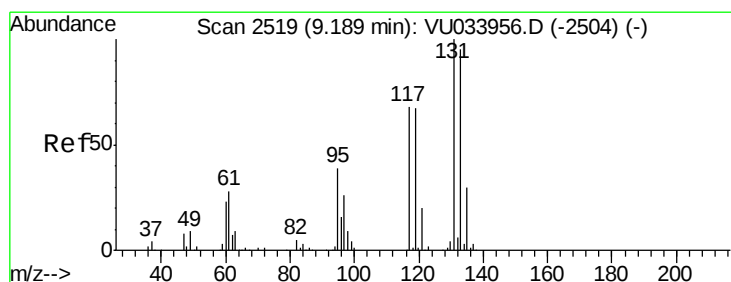
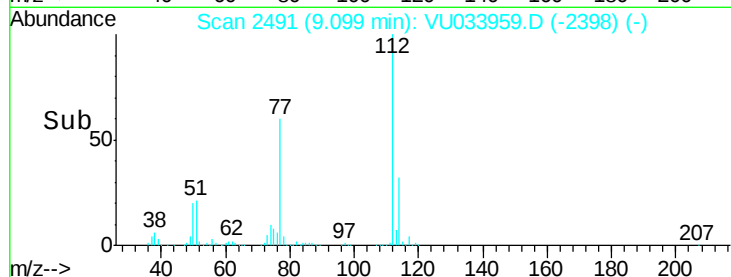
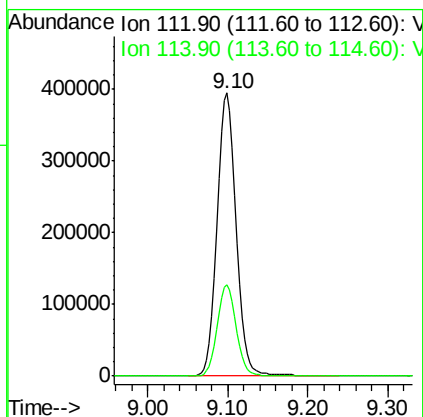
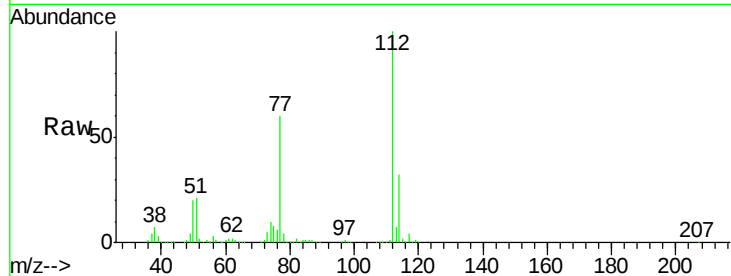
#65
Chlorobenzene
Concen: 47.597 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

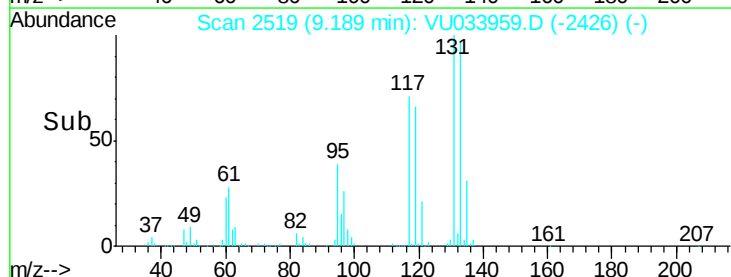
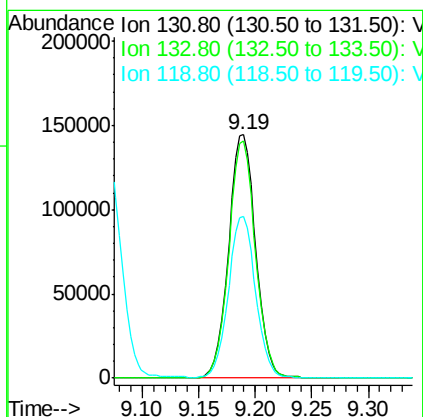
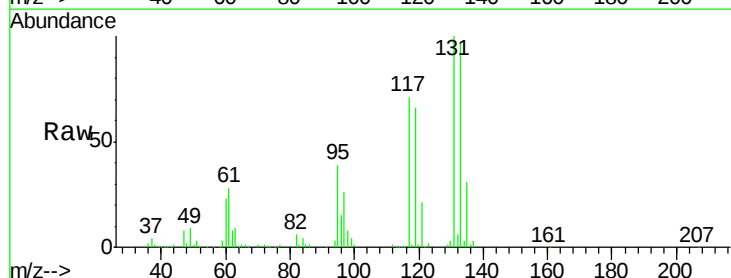
Manual Integrations
APPROVED

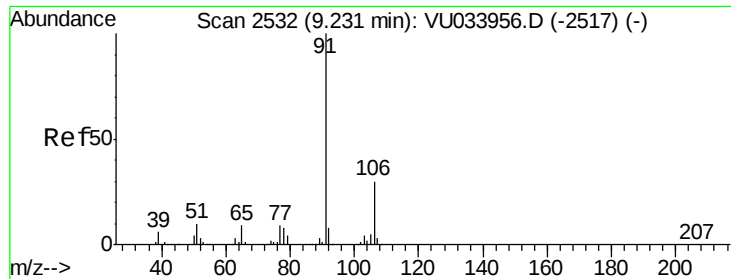
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.022 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	66.0	33.3	99.8





#67

Ethyl Benzene

Concen: 51.613 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 91 Resp: 1173750

Ion Ratio Lower Upper

91 100

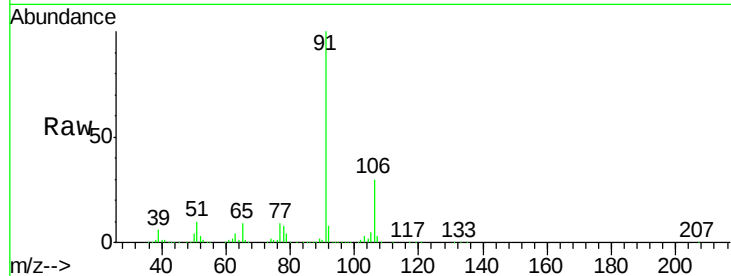
106 30.4 24.3 36.5

Manual Integrations

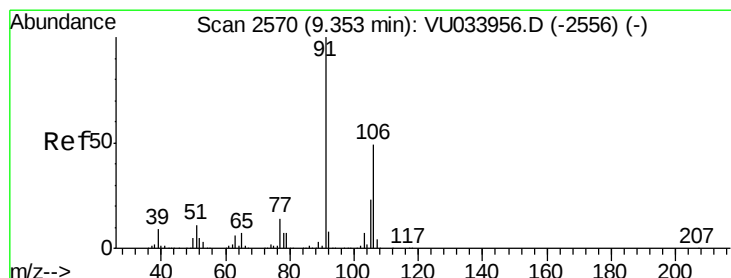
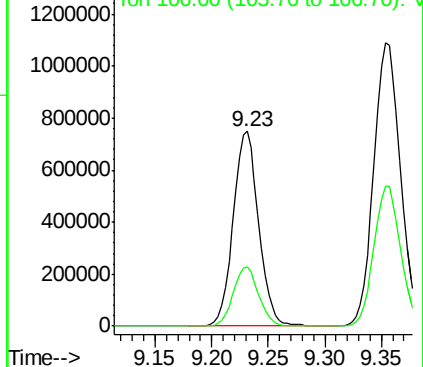
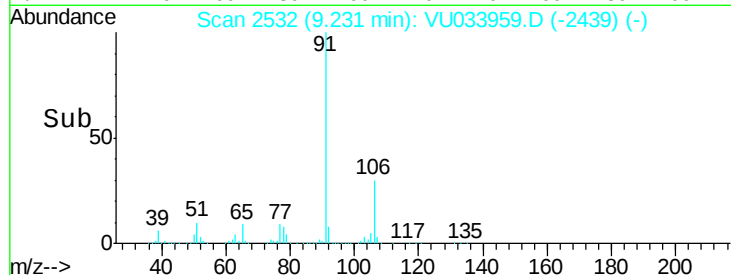
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VU033959.D (-2439) (-)



#68

m/p-Xylenes

Concen: 106.278 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU033959.D

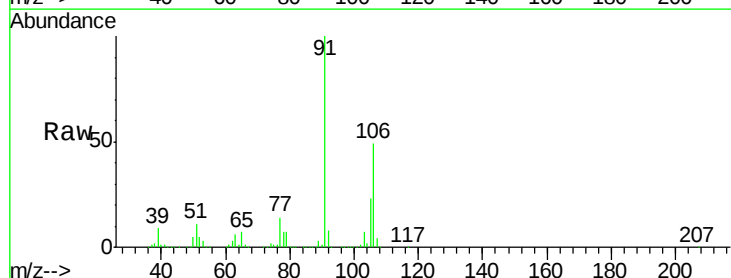
Acq: 26 Aug 2019 19:24

Tgt Ion: 106 Resp: 890033

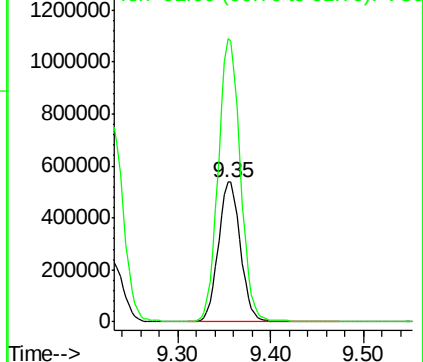
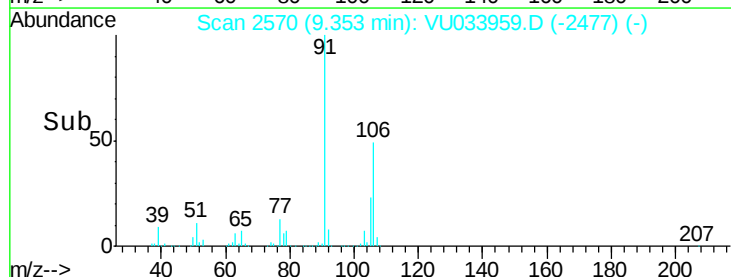
Ion Ratio Lower Upper

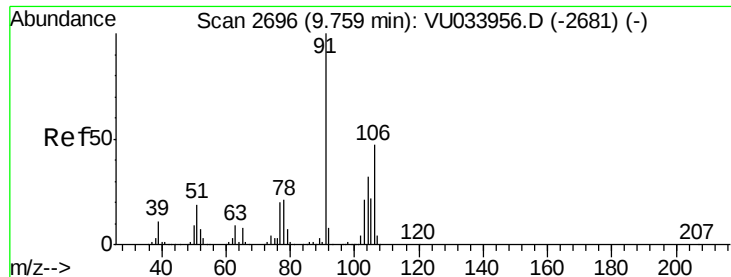
106 100

91 202.7 163.8 245.6



Abundance Ion 106.00 (105.70 to 106.70): VU033959.D (-2477) (-)





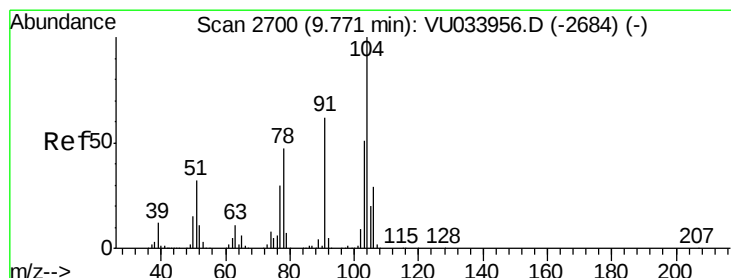
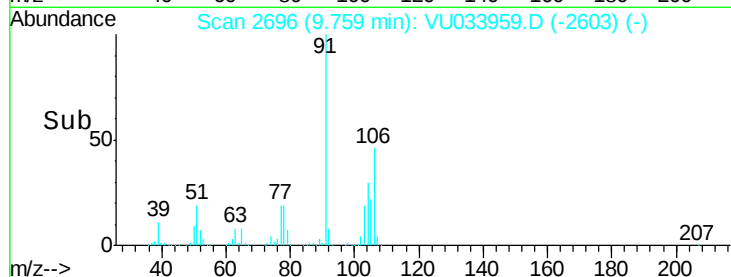
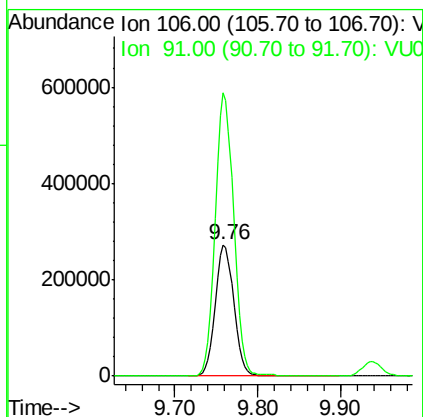
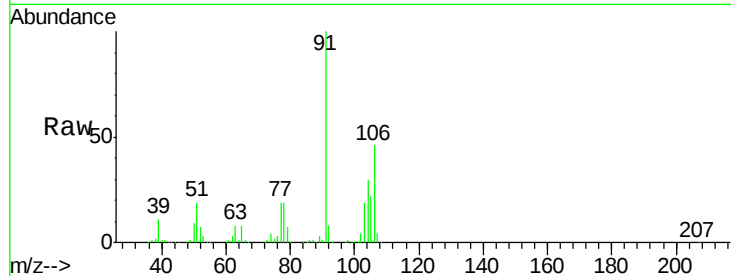
#69
o-Xylene
Concen: 52.829 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	106.9	320.7

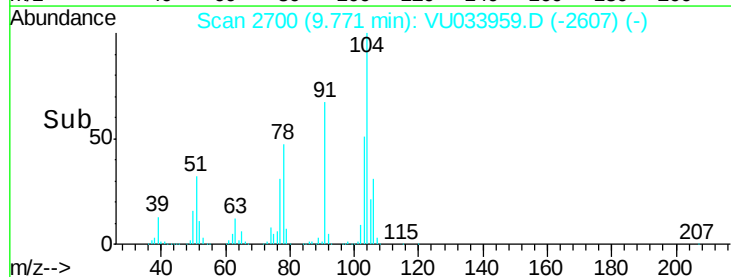
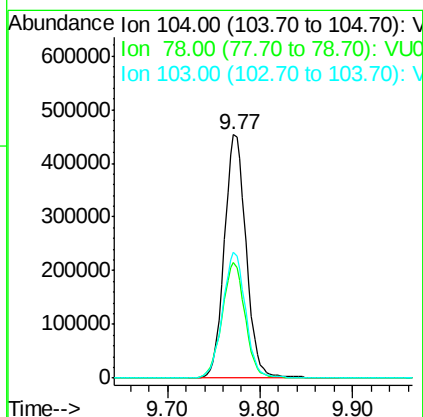
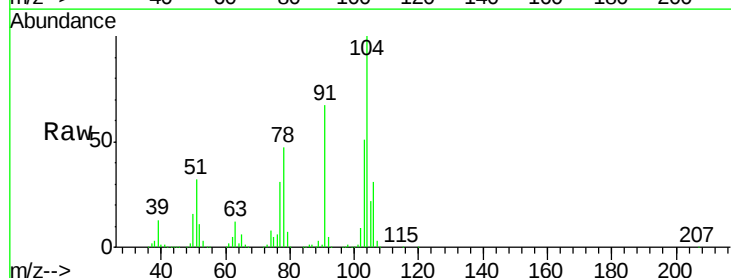
Manual Integrations
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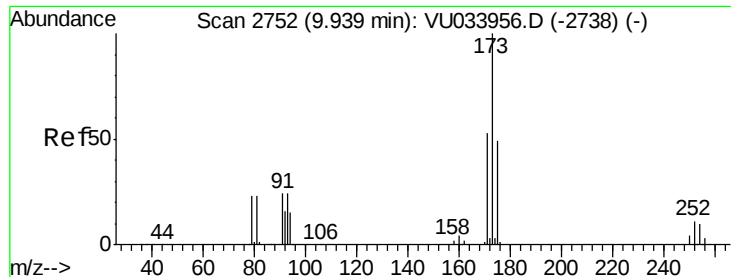
MMDadoda
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#70
Styrene
Concen: 53.394 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.4	60.6
103	54.5	43.8	65.6





#71

Bromoform

Concen: 48.047 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

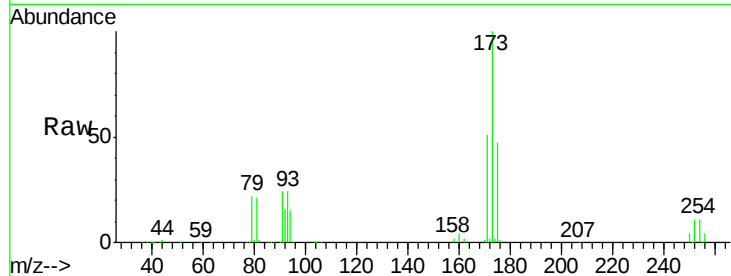
ClientSampleId :

ICVVU082719

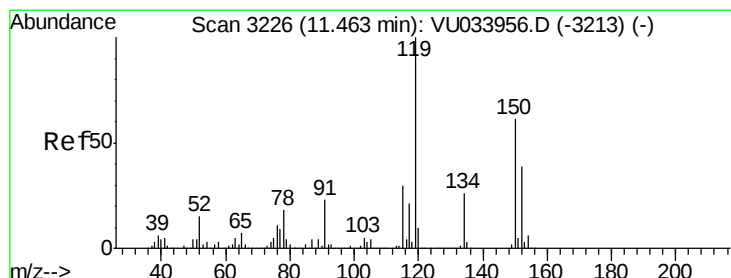
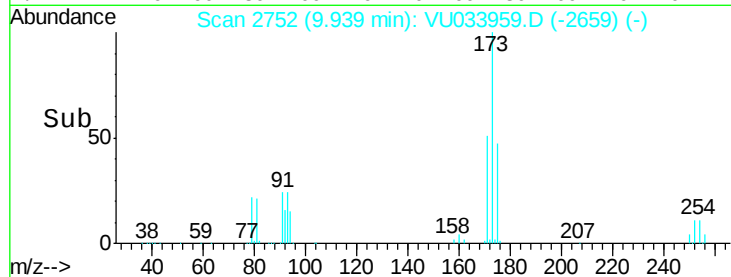
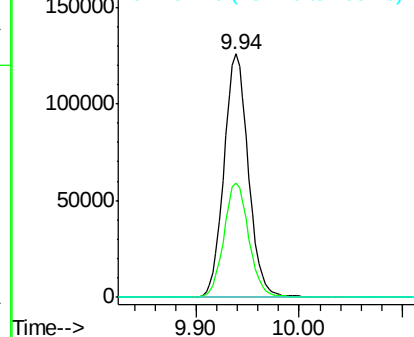
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.3
254	0.2	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

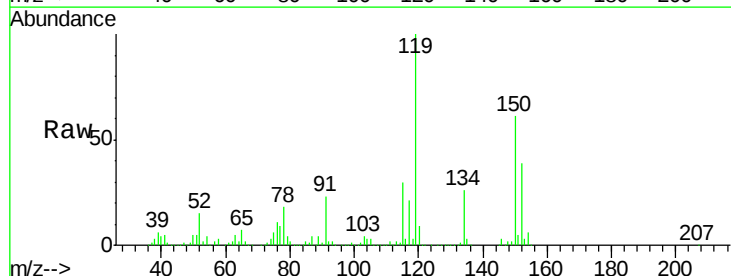
RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

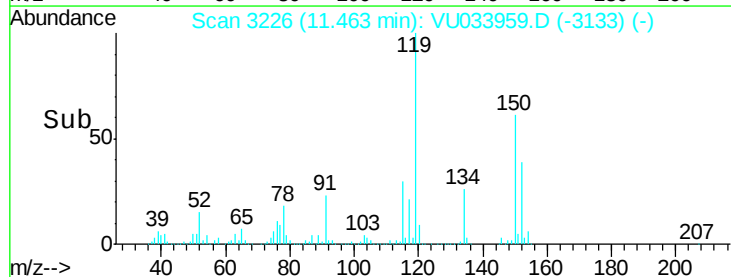
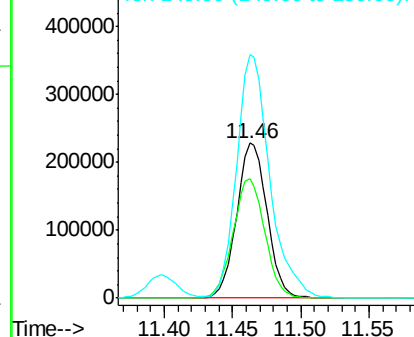
Lab File: VU033959.D

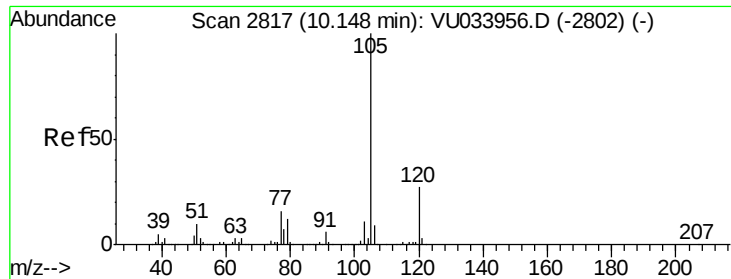
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.1	40.3	120.9
150	171.2	0.0	346.0



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





#73

Isopropylbenzene

Concen: 52.658 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion:105 Resp: 1149648

Ion Ratio Lower Upper

105 100

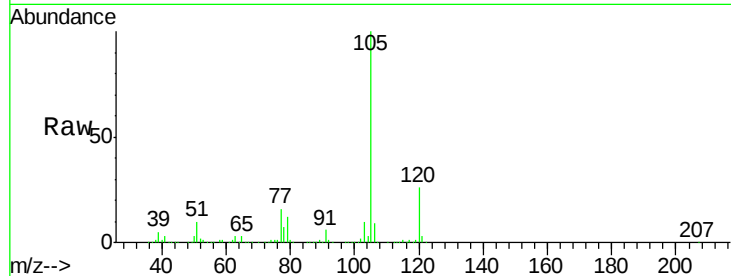
120 26.3 13.3 39.9

Manual Integrations

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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.15

800000

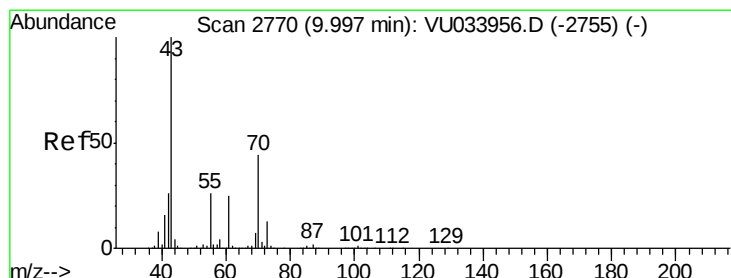
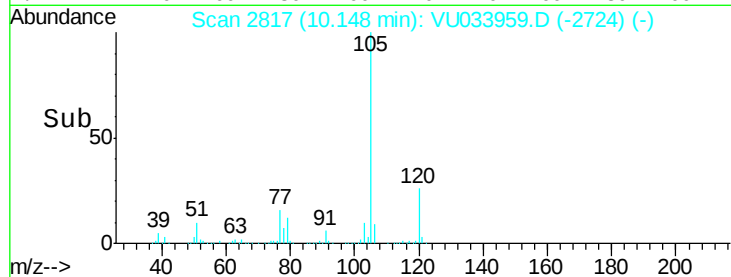
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 47.352 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion: 43 Resp: 543565

Ion Ratio Lower Upper

43 100

70 42.7 34.5 51.7

55 24.7 20.9 31.3

61 24.6 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

500000

400000

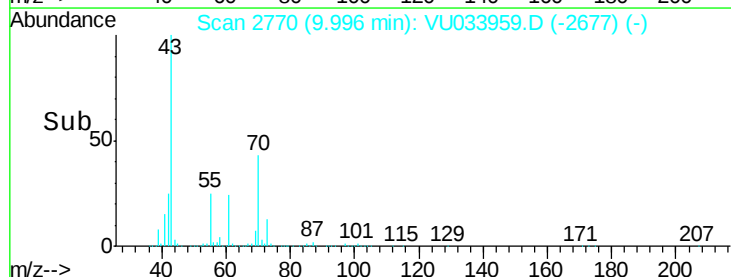
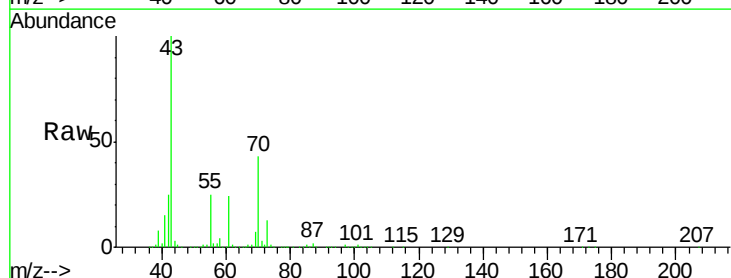
300000

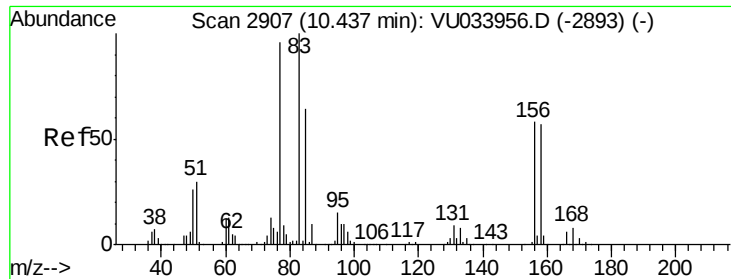
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.527 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

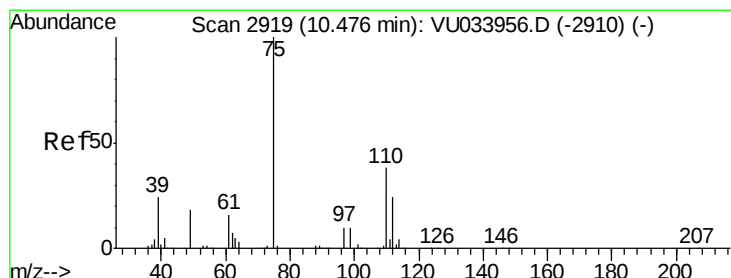
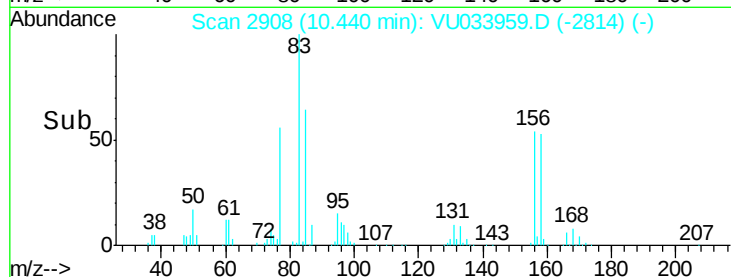
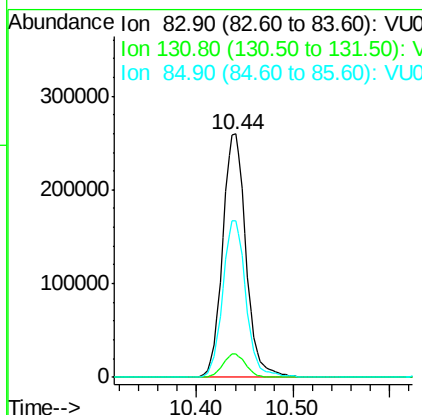
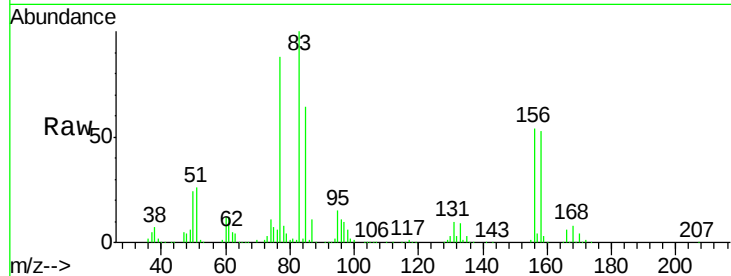
ClientSampleId :

ICVVU082719

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	64.3	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 44.982 ug/l m

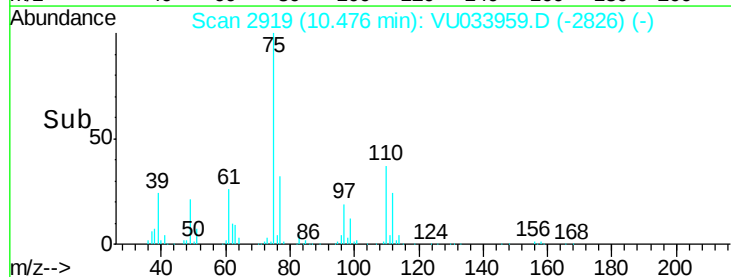
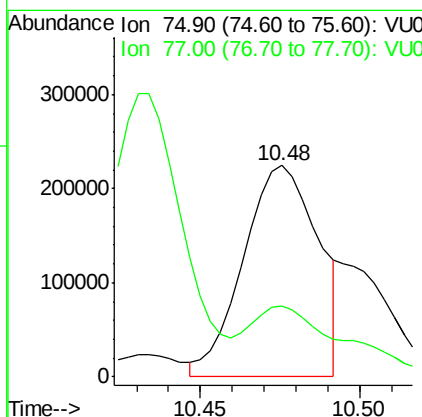
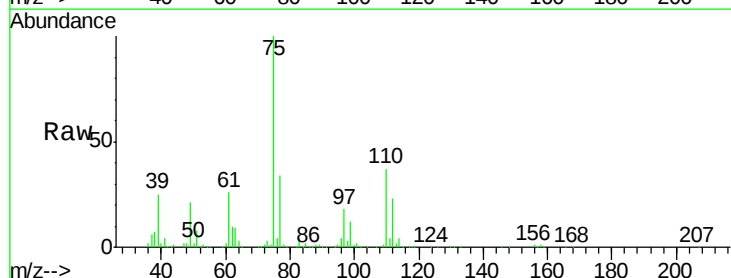
RT: 10.48 min Scan# 2919

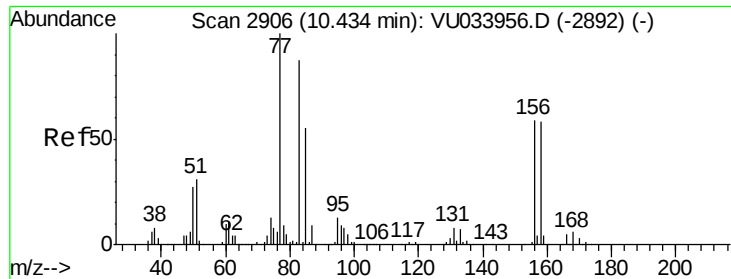
Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.1	20.1	60.3





#77

Bromobenzene

Concen: 49.281 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

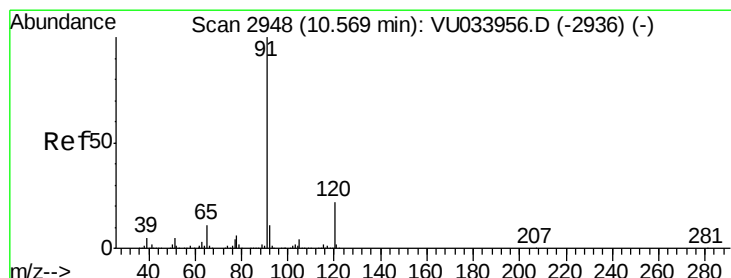
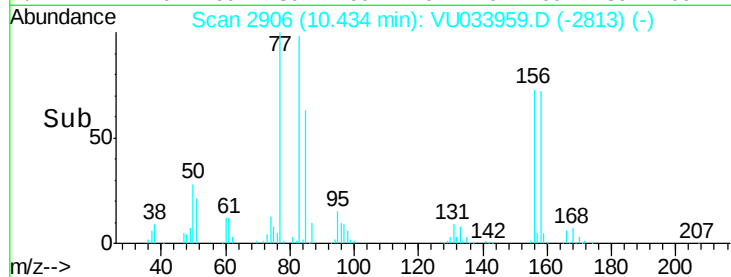
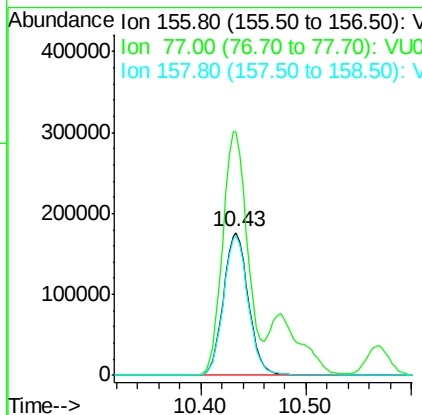
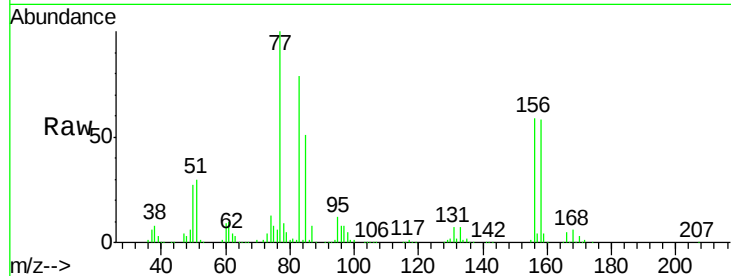
ClientSampleId :

ICVVU082719

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.5	85.3	255.8
158	97.0	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 52.230 ug/l

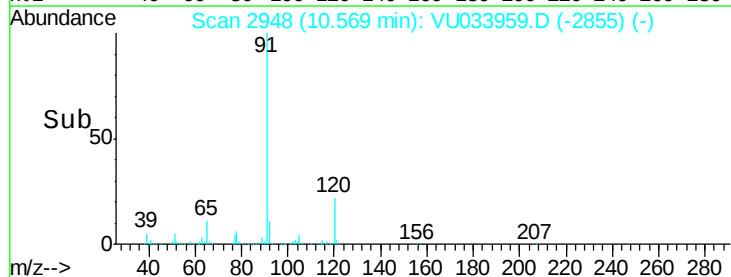
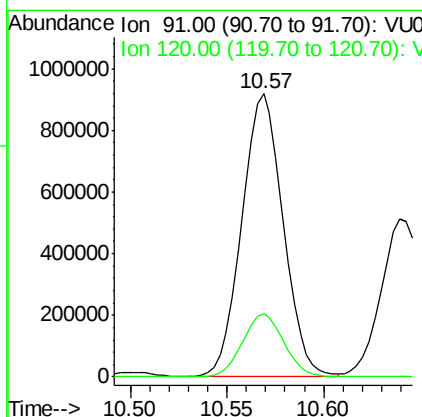
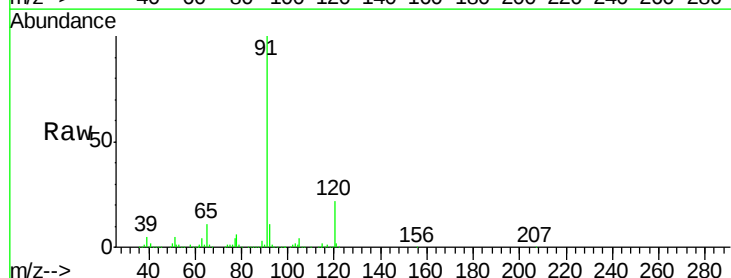
RT: 10.57 min Scan# 2948

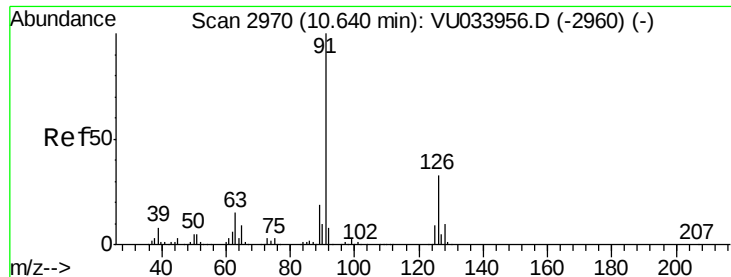
Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.6





#79

2-Chlorotoluene

Concen: 51.510 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion: 91 Resp: 805175

Ion Ratio Lower Upper

91 100

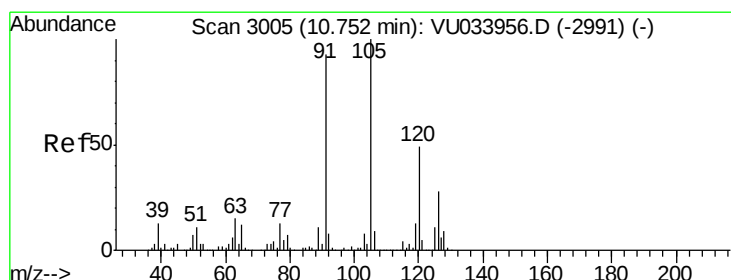
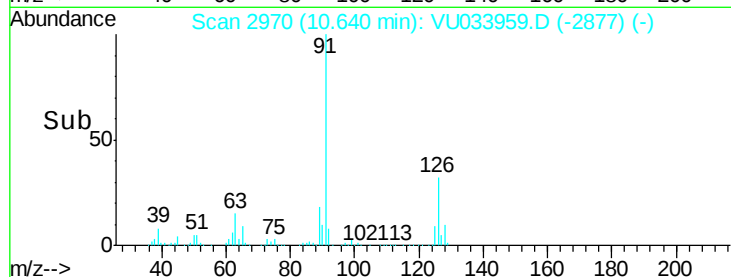
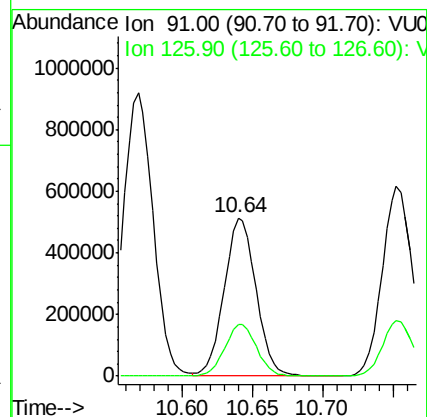
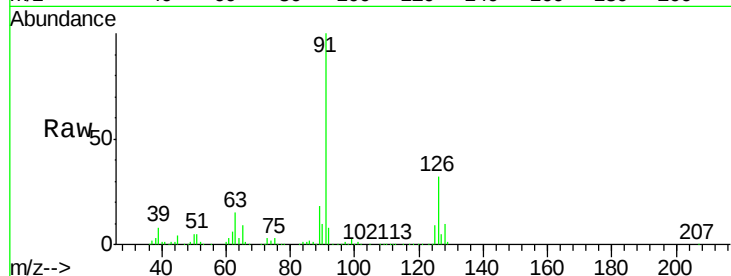
126 32.9 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.480 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU033959.D

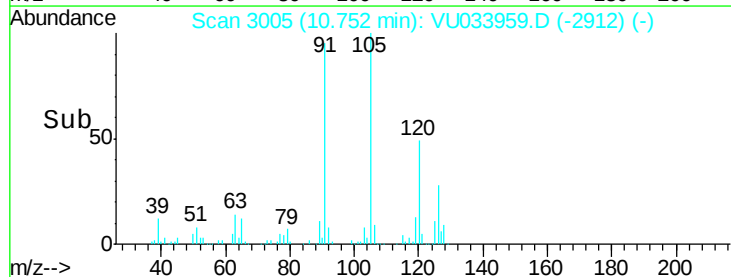
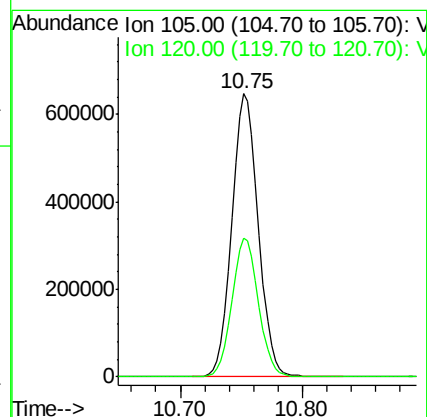
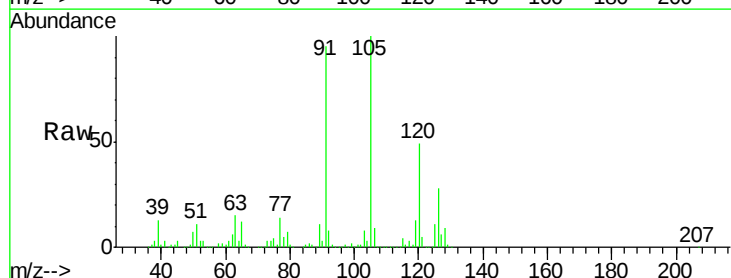
Acq: 26 Aug 2019 19:24

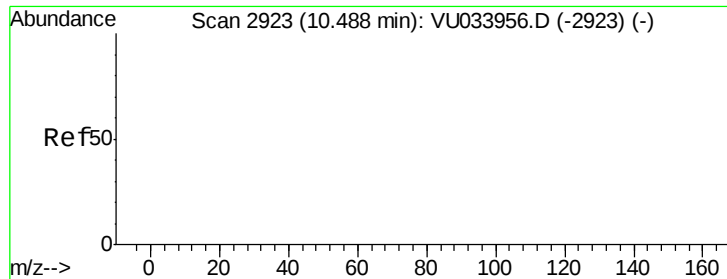
Tgt Ion: 105 Resp: 979185

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8





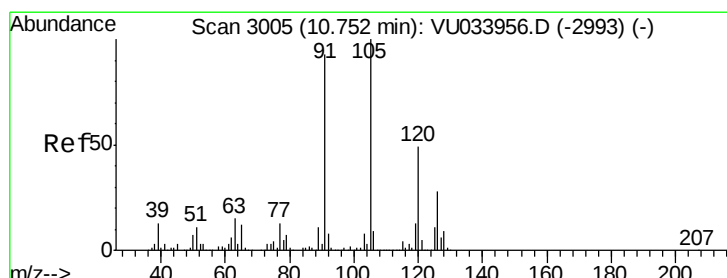
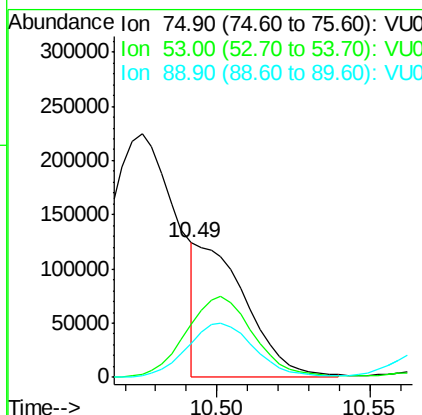
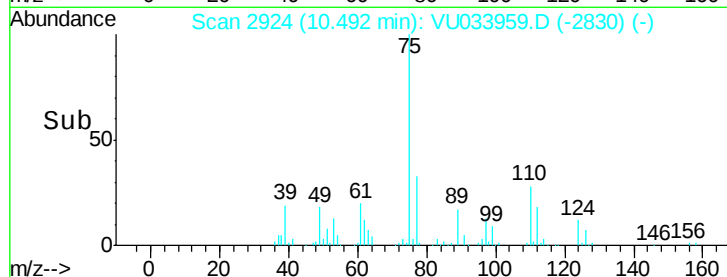
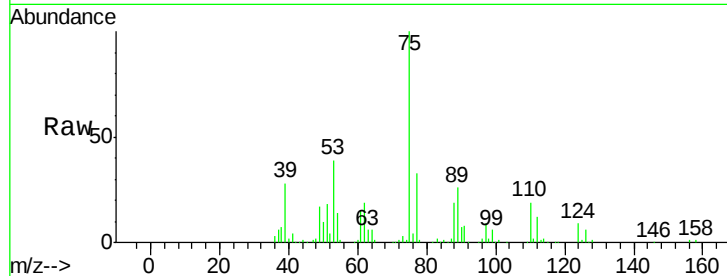
#81
trans-1,4-Dichloro-2-butene
Concen: 45.186 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

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

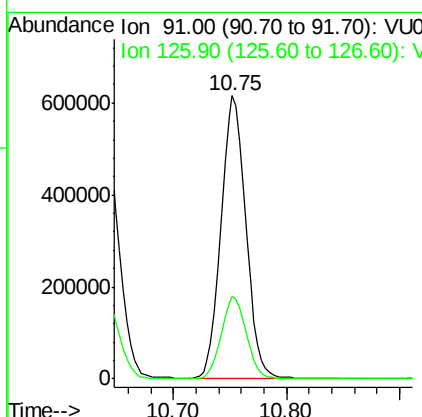
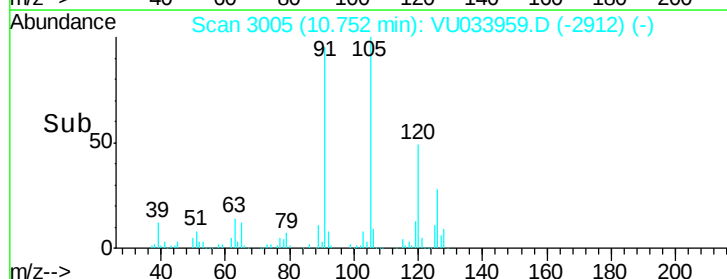
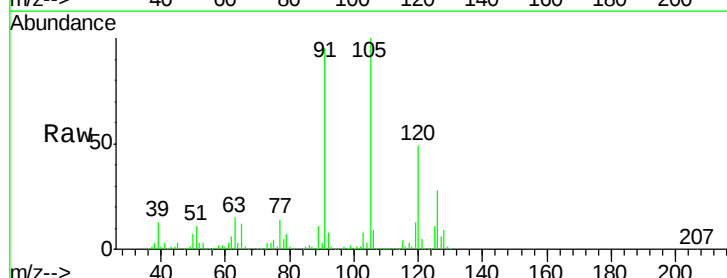
Manual Integrations
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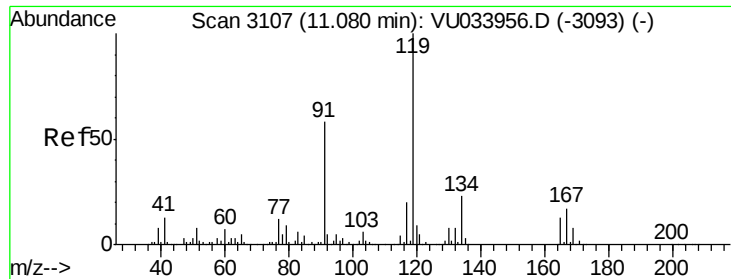
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.172 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.8	44.3





#83

tert-Butylbenzene

Concen: 52.911 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

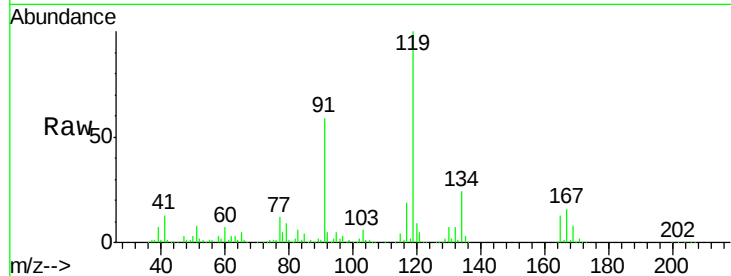
ClientSampleId :

ICVVU082719

Tot Ion:	119	Resp:	923659
Ion Ratio	Lower	Upper	
119	100		
91	58.1	28.6	85.8
134	23.5	11.7	35.0

Manual Integrations
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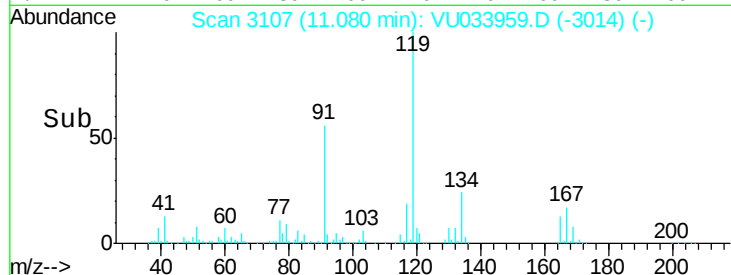


Abundance Ion 119.00 (118.70 to 119.70): V

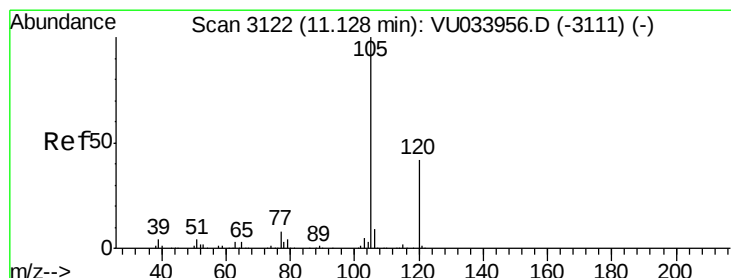
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 53.627 ug/l

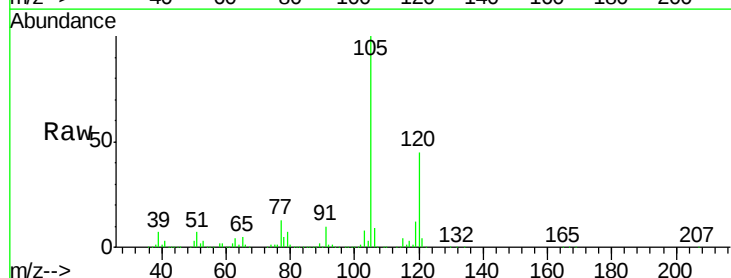
RT: 11.13 min Scan# 3122

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

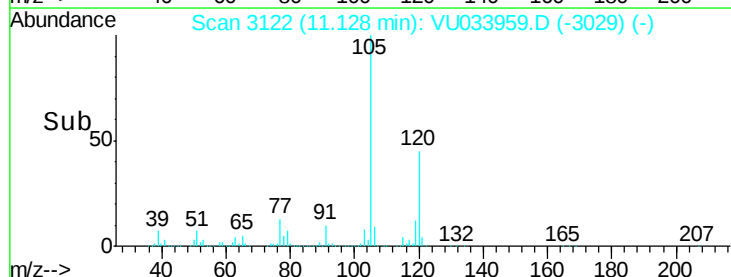
Tgt Ion:	105	Resp:	974765
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.0	69.0



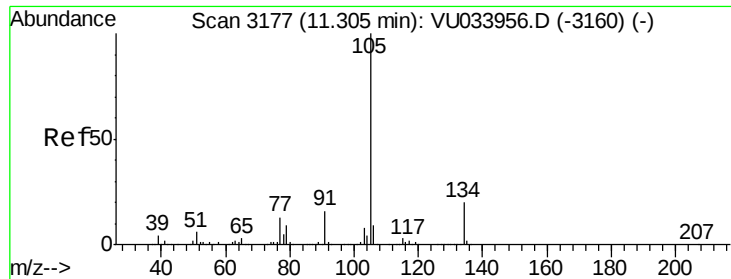
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#85

sec-Butylbenzene

Concen: 52.610 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion:105 Resp: 1152113

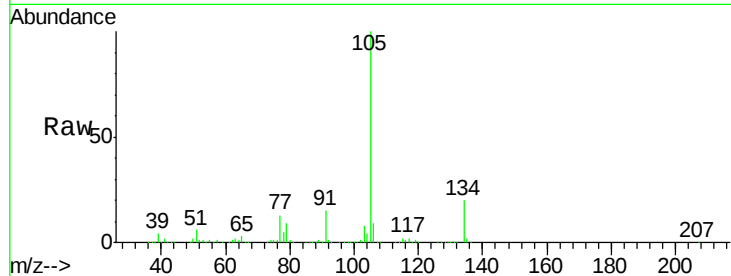
Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1

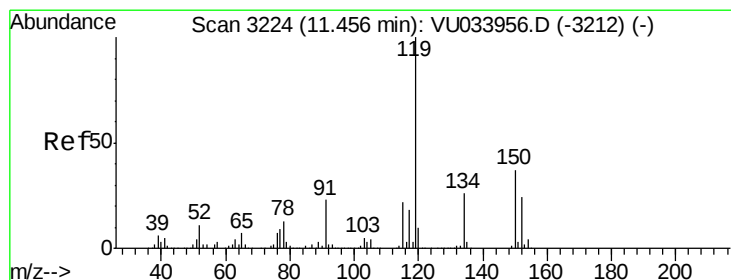
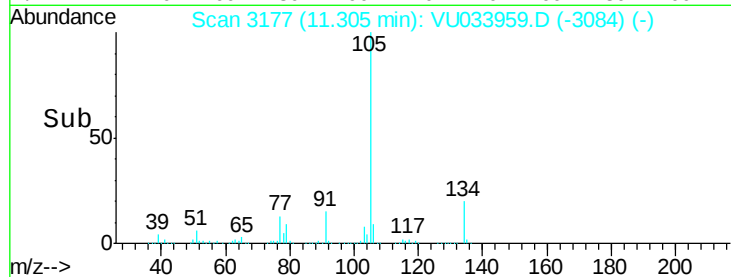
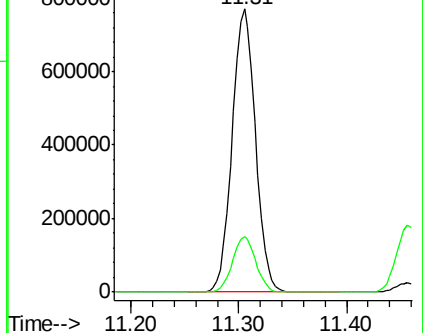
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.034 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. -0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

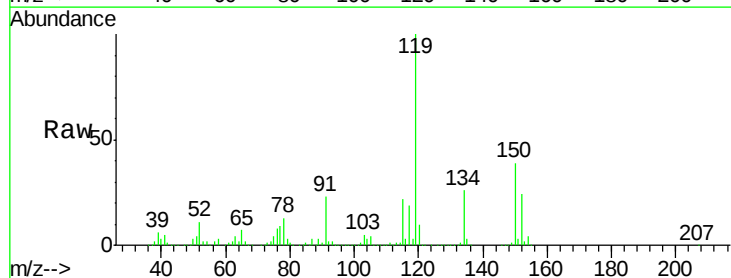
Tgt Ion:119 Resp: 1052970

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

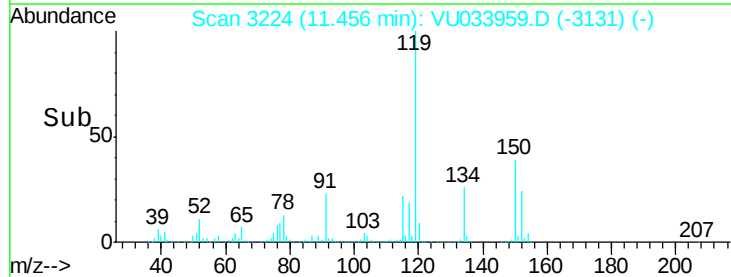
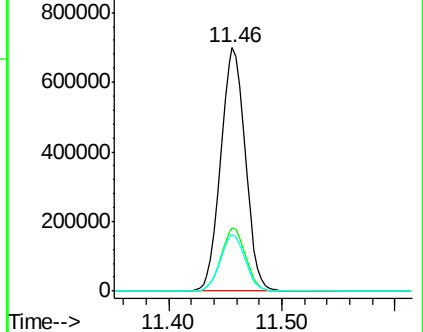
91 23.3 11.6 34.7

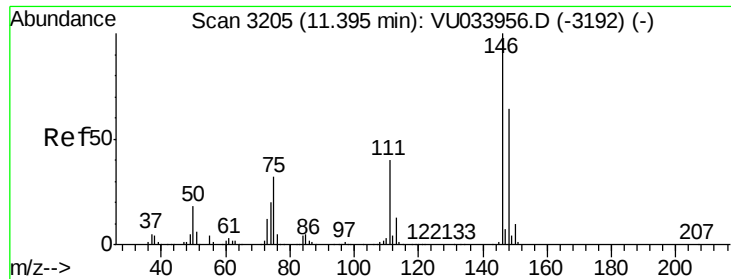


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





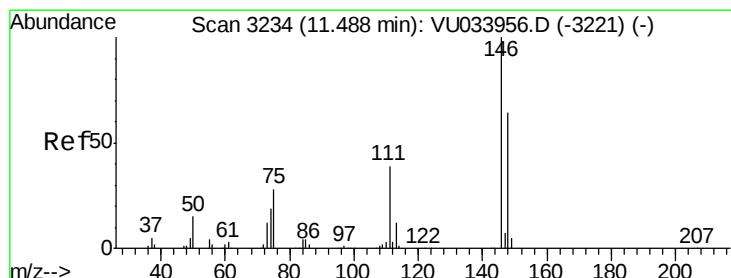
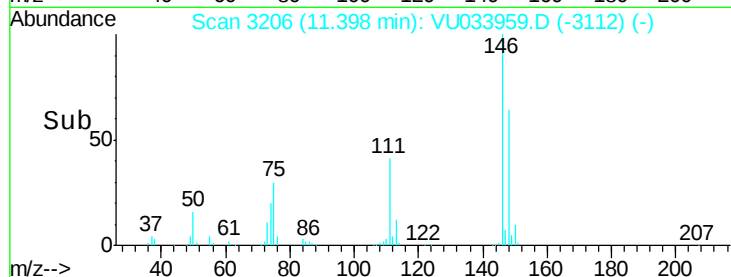
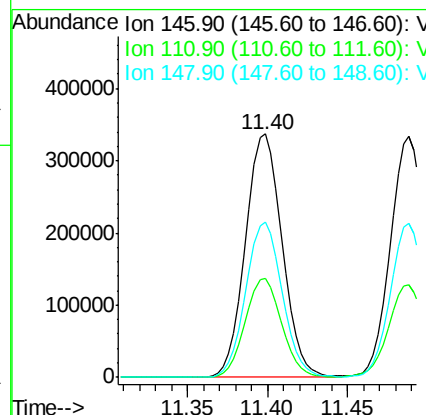
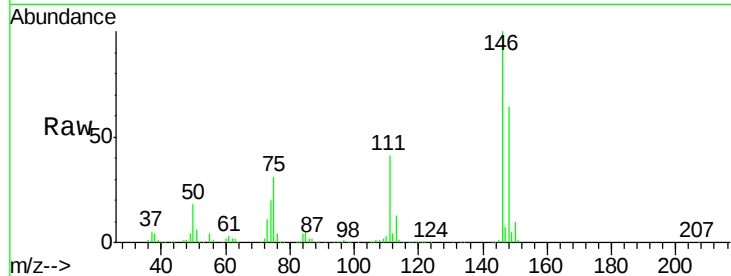
#87
 1,3-Dichlorobenzene
 Concen: 47.797 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	63.4	31.8	95.4

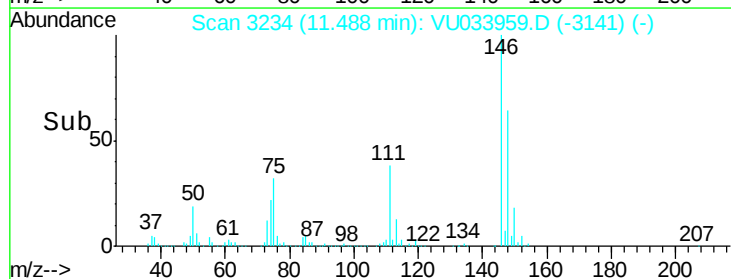
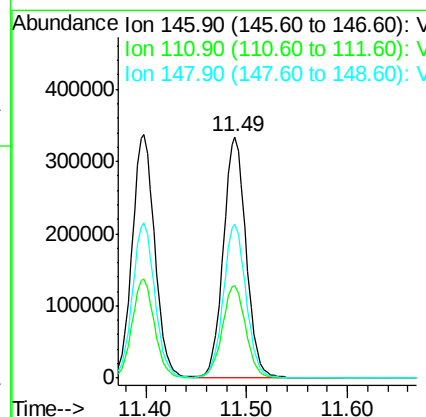
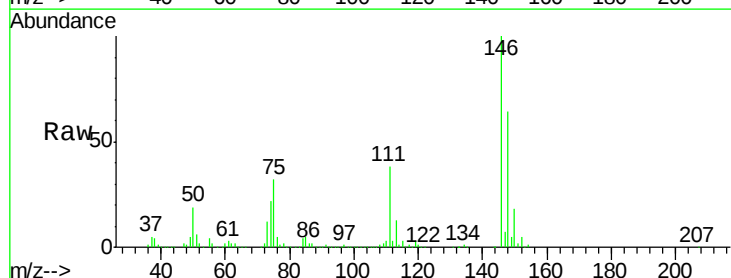
Manual Integrations
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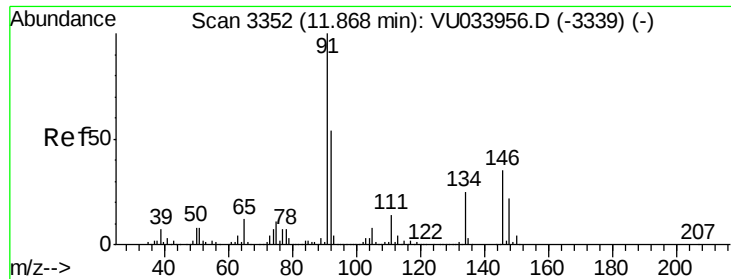
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 8/27/2019 12:17:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.206 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.1	32.2	96.6





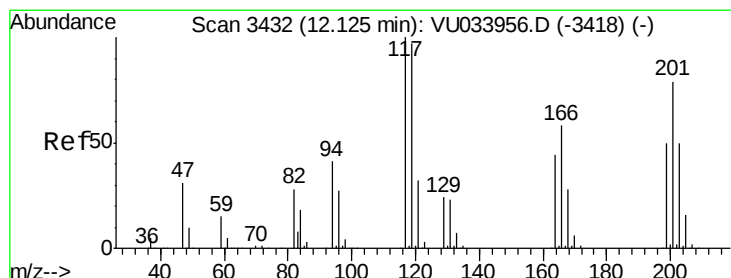
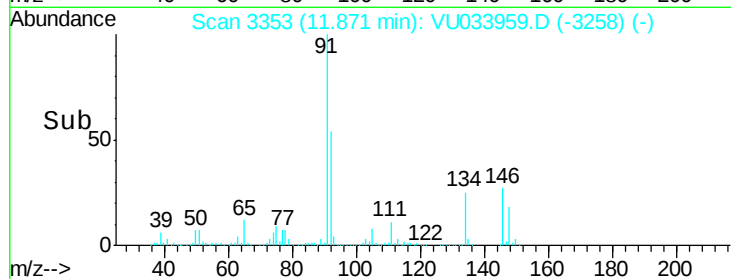
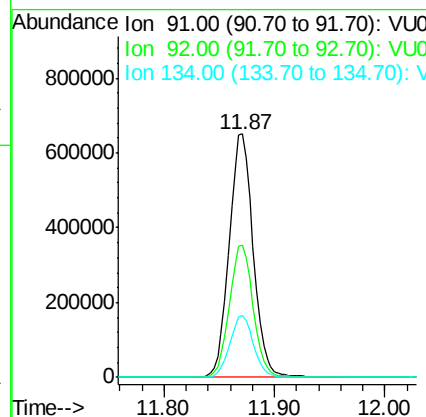
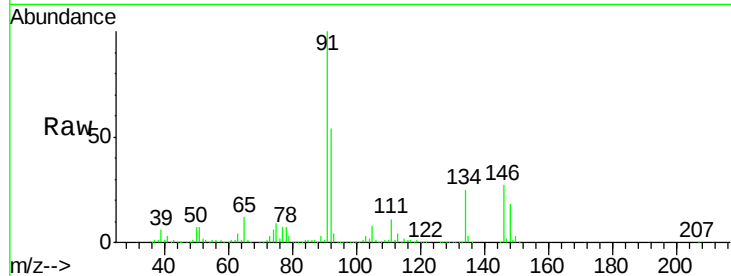
#89
n-Butylbenzene
Concen: 46.997 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082719

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.9	80.6
134	25.0	12.6	37.6

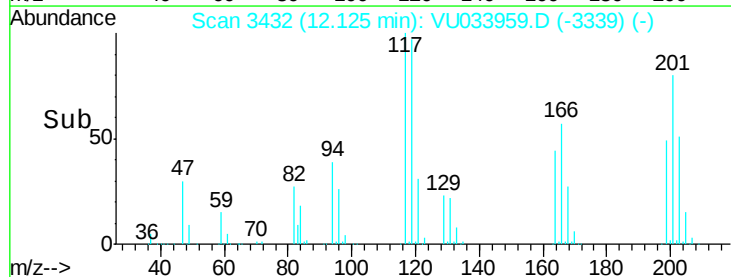
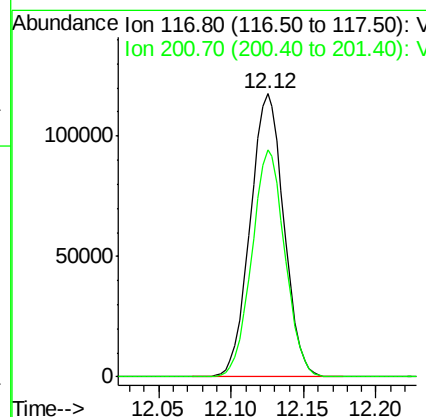
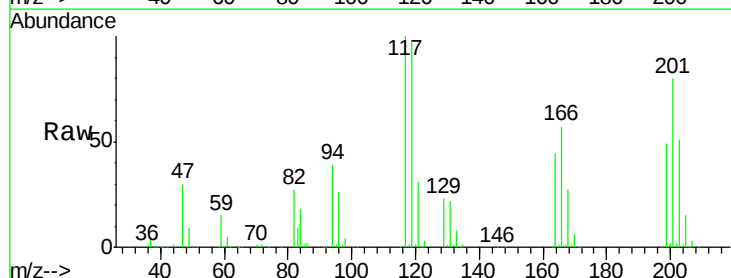
Manual Integrations
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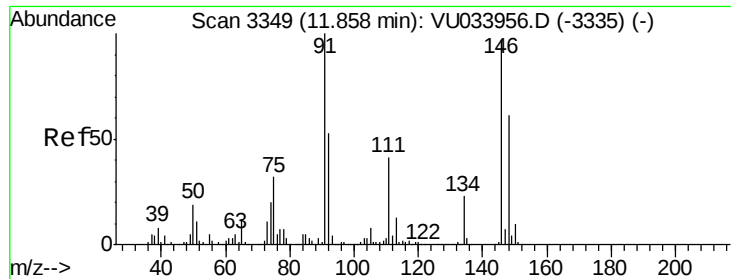
MMDadoda
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#90
Hexachloroethane
Concen: 48.836 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033959.D
Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	39.6	118.7





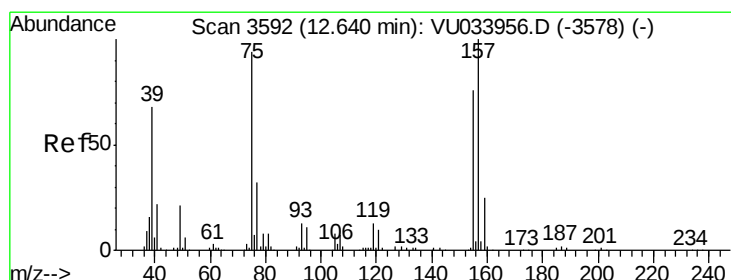
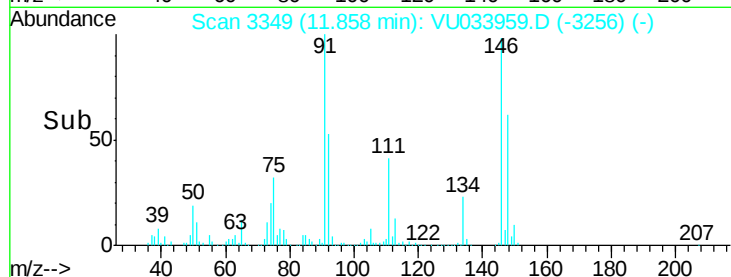
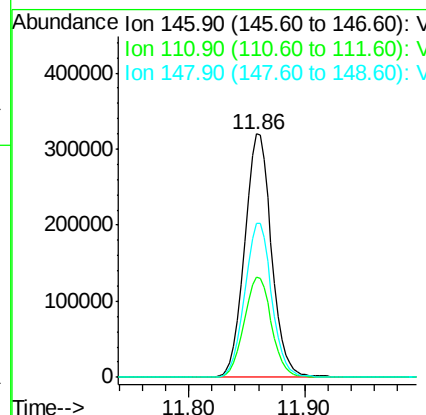
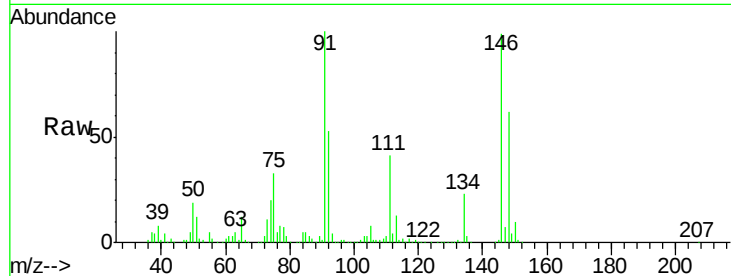
#91
 1,2-Dichlorobenzene
 Concen: 48.644 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.1
148	63.5	31.7	95.1

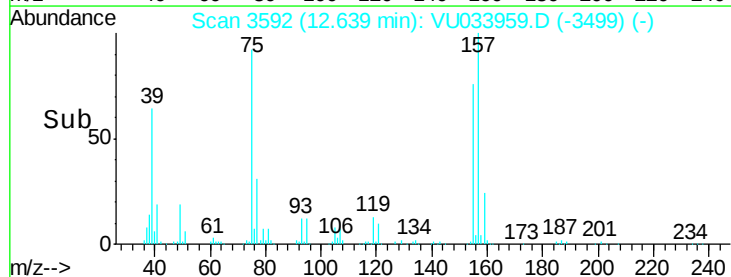
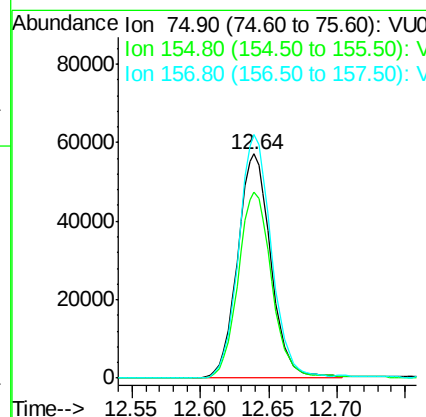
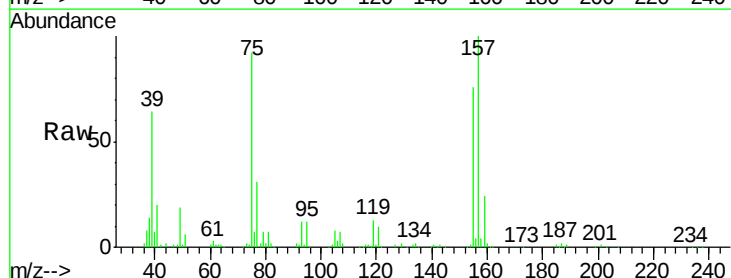
Manual Integrations
 APPROVED

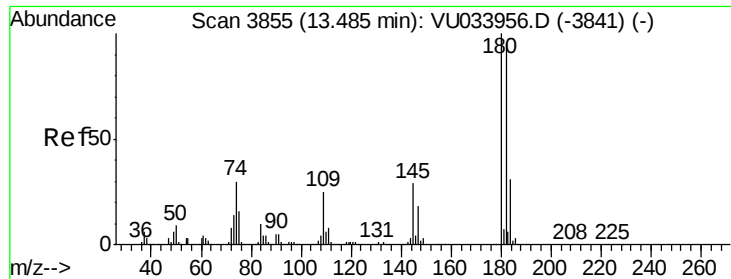
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.388 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	40.0	119.9
157	106.7	51.9	155.7





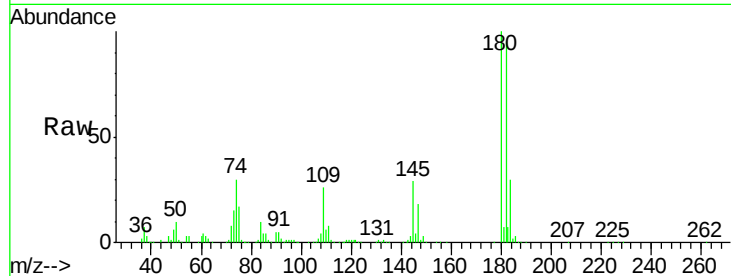
#93
 1,2,4-Trichlorobenzene
 Concen: 47.583 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

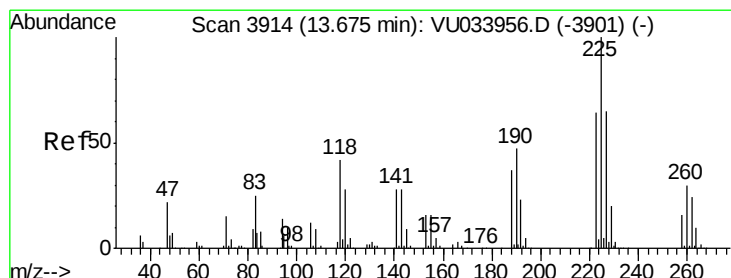
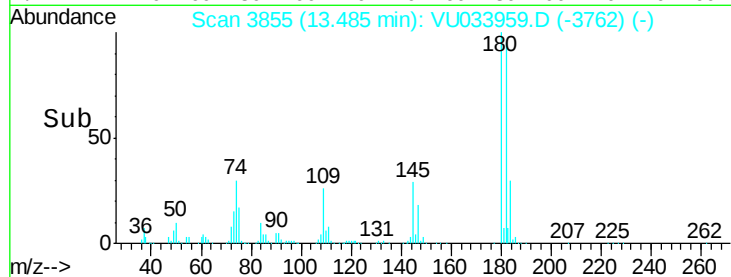
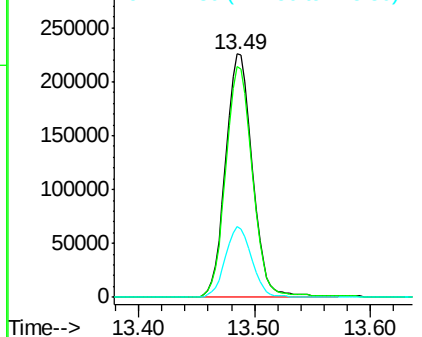
Tot Ion	Ratio	Resp	Lower	Upper
180	100	360670		
182	95.0	47.4	142.3	
145	28.8	14.2	42.8	

Manual Integrations
 APPROVED

MMDadoda
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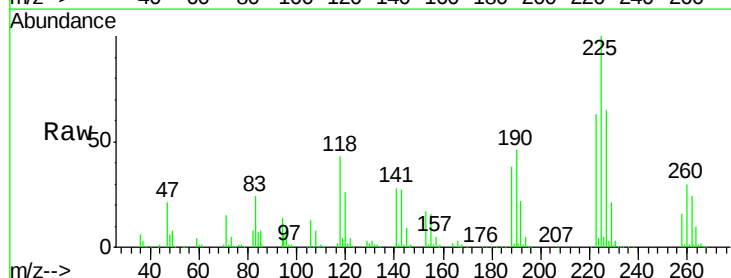


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

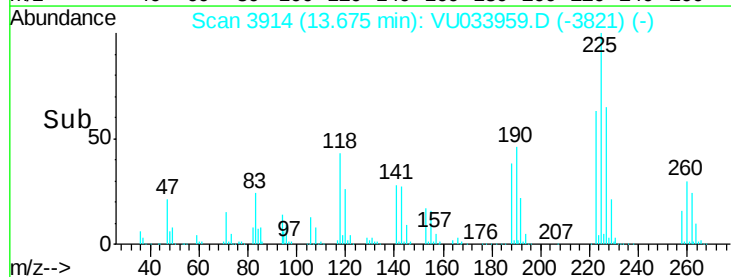
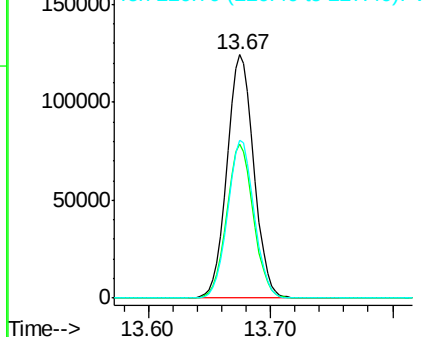


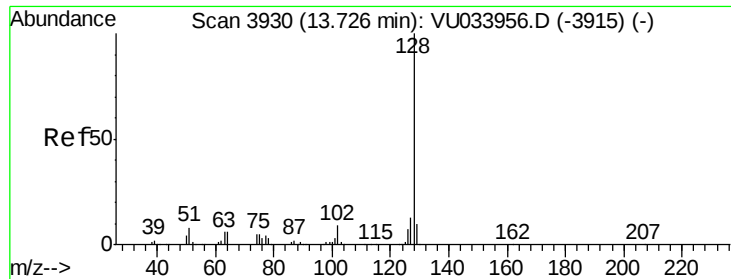
#94
 Hexachlorobutadiene
 Concen: 48.497 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033959.D
 Acq: 26 Aug 2019 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	191526		
223	62.7	31.4	94.0	
227	64.0	32.3	96.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.595 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082719

Tot Ion:128 Resp: 1083323

Ion Ratio Lower Upper

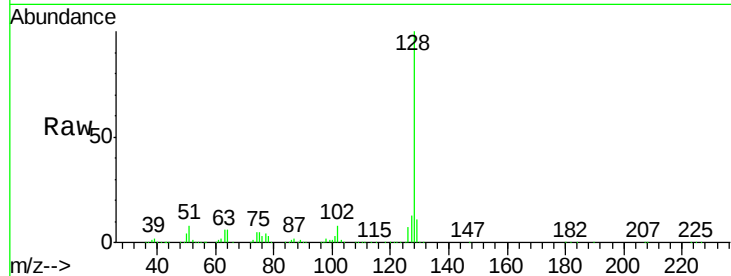
128 100

127 12.8 10.1 15.1

129 10.5 8.3 12.5

Manual Integrations
APPROVED

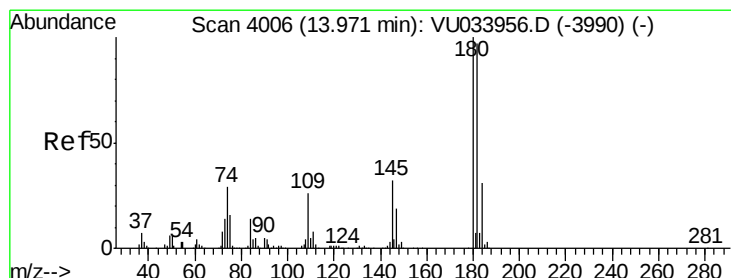
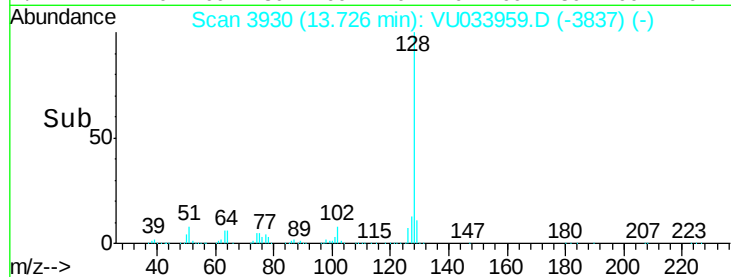
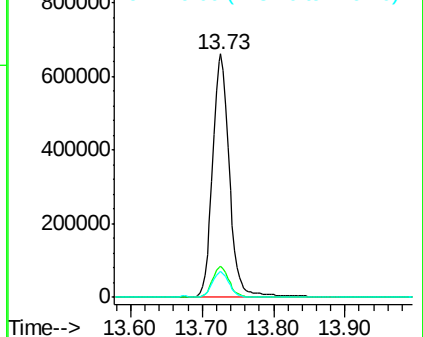
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.356 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033959.D

Acq: 26 Aug 2019 19:24

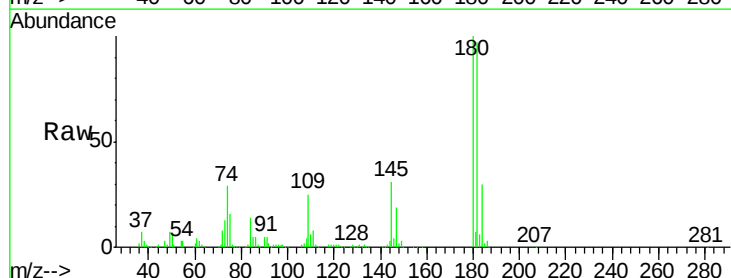
Tgt Ion:180 Resp: 359512

Ion Ratio Lower Upper

180 100

182 95.1 48.6 145.8

145 30.6 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

