

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034281.D
 Acq On : 05 Sep 2019 14:12
 Operator : JC/SP
 Sample : VU0906WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:52 PM

Quant Time: Sep 06 07:54:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	329221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	486185	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	474127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	311153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	242695	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	4.86	113	212498	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	7.55	98	838072	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	10.29	95	305351	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63492	18.440	ug/l	97
3) Chloromethane	1.32	50	78716	21.111	ug/l	100
4) Vinyl Chloride	1.40	62	80556	18.775	ug/l	99
5) Bromomethane	1.62	94	49337	20.114	ug/l	94
6) Chloroethane	1.69	64	51427	20.021	ug/l	95
7) Trichlorofluoromethane	1.88	101	111286	19.344	ug/l	100
8) Diethyl Ether	2.09	74	49615	19.606	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	72708	19.082	ug/l	97
10) Methyl Iodide	2.40	142	40014	14.442	ug/l	99
11) Tert butyl alcohol	2.81	59	100963	95.941	ug/l	99
12) 1,1-Dichloroethene	2.27	96	69527	19.410	ug/l	97
13) Acrolein	2.18	56	78374	88.609	ug/l	100
14) Allyl chloride	2.58	41	131911m	19.263	ug/l	
15) Acrylonitrile	2.92	53	263611	100.592	ug/l	98
16) Acetone	2.31	43	234201	90.855	ug/l	99
17) Carbon Disulfide	2.47	76	148182	18.407	ug/l	98
18) Methyl Acetate	2.60	43	115462	18.408	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	263183	20.158	ug/l	99
20) Methylene Chloride	2.69	84	87564	20.503	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	72974	19.333	ug/l	99
22) Diisopropyl ether	3.55	45	273961	20.514	ug/l	93
23) Vinyl Acetate	3.50	43	1118645	102.834	ug/l	99
24) 1,1-Dichloroethane	3.43	63	155384	19.483	ug/l	100
25) 2-Butanone	4.24	43	345218	100.326	ug/l	99
26) 2,2-Dichloropropane	4.20	77	123418	19.241	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	91899	20.046	ug/l	98
28) Bromochloromethane	4.52	49	61996	16.901	ug/l	99
29) Tetrahydrofuran	4.62	42	216313	103.309	ug/l	99
30) Chloroform	4.65	83	154962	19.116	ug/l	100
31) Cyclohexane	4.97	56	115327	19.766	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	126984	19.592	ug/l	98
36) 1,1-Dichloropropene	5.12	75	100728	19.104	ug/l	99
37) Ethyl Acetate	4.36	43	118257	18.969	ug/l	99
38) Carbon Tetrachloride	5.11	117	107465	19.088	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	108688	19.283	ug/l	98
40) Benzene	5.37	78	325916	19.156	ug/l	100
41) Methacrylonitrile	4.52	41	67003	20.178	ug/l	98
42) 1,2-Dichloroethane	5.39	62	114360	19.360	ug/l	99
43) Isopropyl Acetate	5.53	43	192016	19.744	ug/l	99
44) Trichloroethene	6.17	130	90312	19.182	ug/l	98
45) 1,2-Dichloropropane	6.41	63	95594	19.219	ug/l	98
46) Dibromomethane	6.54	93	59813	19.158	ug/l	99
47) Bromodichloromethane	6.74	83	121972	18.979	ug/l	100
48) Methyl methacrylate	6.60	41	88311	19.119	ug/l	99
49) 1,4-Dioxane	6.59	88	37376	370.563	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	659868	98.024	ug/l	100
52) Toluene	7.62	92	209493	19.629	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	126082	18.926	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	142152	19.442	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	91081	18.794	ug/l	96
56) Ethyl methacrylate	8.00	69	130801	19.748	ug/l	98
57) 1,3-Dichloropropane	8.22	76	151561	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	208458	94.738	ug/l	100
59) 2-Hexanone	8.34	43	491066	97.648	ug/l	99
60) Dibromochloromethane	8.46	129	99321	19.107	ug/l	99
61) 1,2-Dibromoethane	8.57	107	92566	19.515	ug/l	98
64) Tetrachloroethene	8.21	164	78389	19.057	ug/l	99
65) Chlorobenzene	9.10	112	239000	19.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	88660	19.313	ug/l	99
67) Ethyl Benzene	9.23	91	397115	20.191	ug/l	100
68) m/p-Xylenes	9.36	106	303963	41.042	ug/l	99
69) o-Xylene	9.76	106	149104	20.586	ug/l	99
70) Styrene	9.77	104	263785	20.773	ug/l	99
71) Bromoform	9.94	173	76358	19.193	ug/l #	99
73) Isopropylbenzene	10.15	105	409148	20.206	ug/l	99
74) N-amyl acetate	10.00	43	161806	19.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	157004	19.155	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	128801m	18.964	ug/l	
77) Bromobenzene	10.43	156	110691	19.550	ug/l	99
78) n-propylbenzene	10.57	91	468090	20.016	ug/l	100
79) 2-Chlorotoluene	10.64	91	288440	20.214	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	357331	21.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	42205m	20.897	ug/l	
82) 4-Chlorotoluene	10.75	91	330762	20.143	ug/l	99
83) tert-Butylbenzene	11.08	119	338438	19.977	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	354238	20.780	ug/l	99
85) sec-Butylbenzene	11.31	105	411605	20.579	ug/l	100
86) p-Isopropyltoluene	11.46	119	380700	20.623	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	200761	19.432	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	201353	18.685	ug/l	98
89) n-Butylbenzene	11.87	91	323266	20.151	ug/l	100
90) Hexachloroethane	12.12	117	53961	18.271	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	199615	19.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29812	19.794	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	130032	19.890	ug/l	99
94) Hexachlorobutadiene	13.67	225	65986	18.578	ug/l	99
95) Naphthalene	13.73	128	334828	18.831	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	131279	20.121	ug/l	98

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

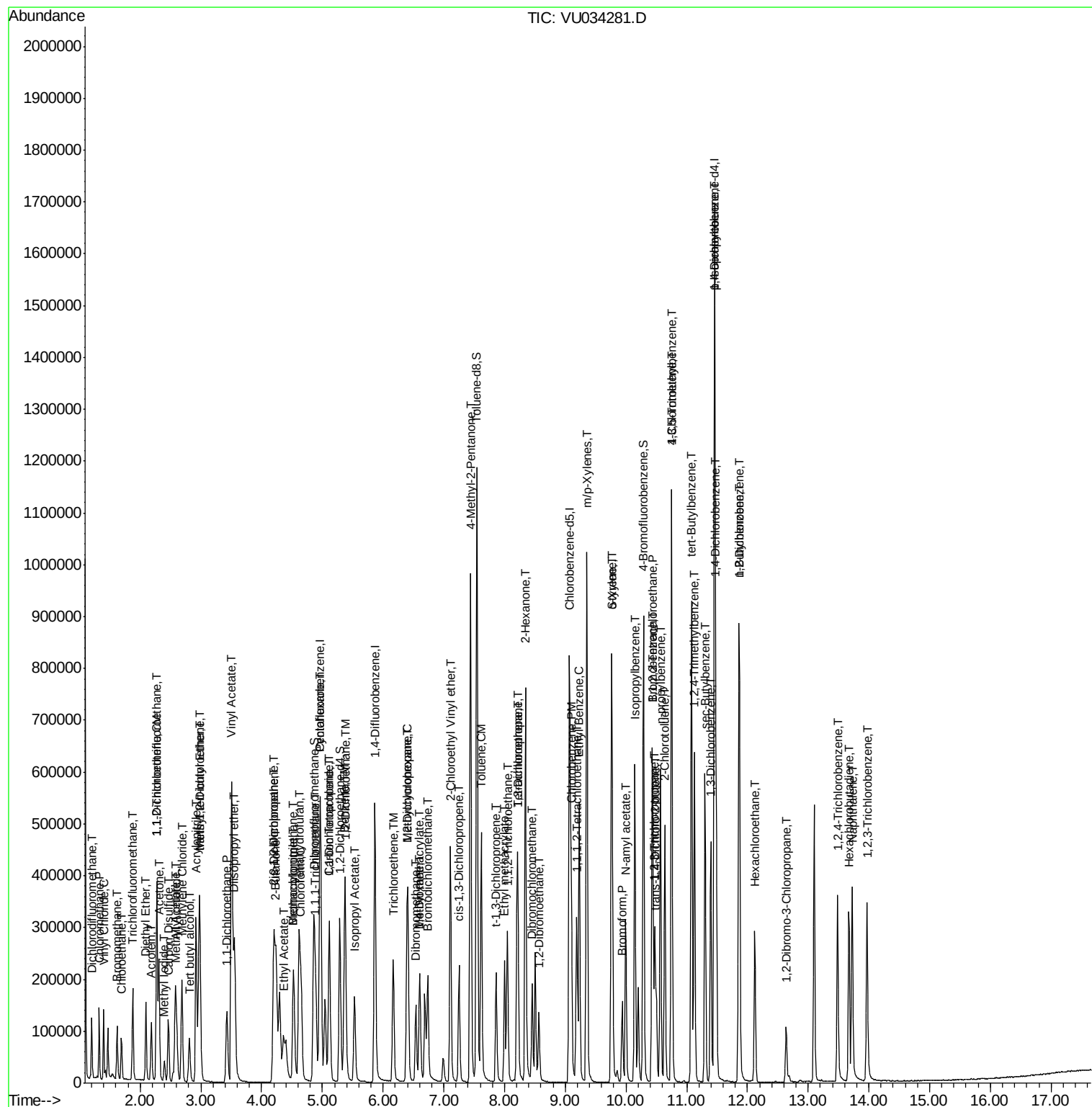
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090619\
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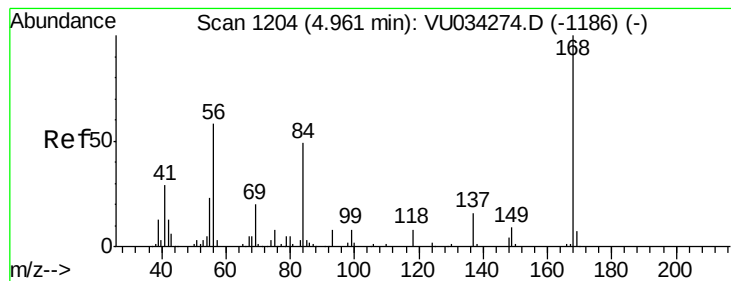
Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion:168 Resp: 329221

Ion Ratio Lower Upper

168 100

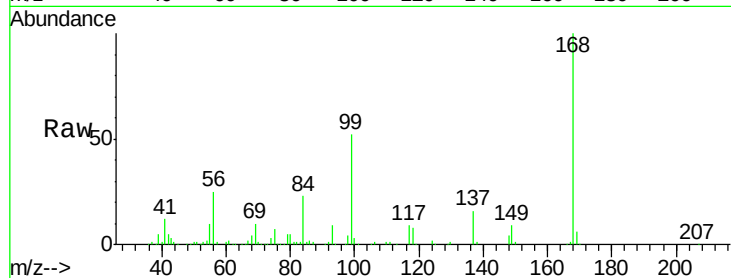
99 51.5 41.6 62.4

Manual Integrations

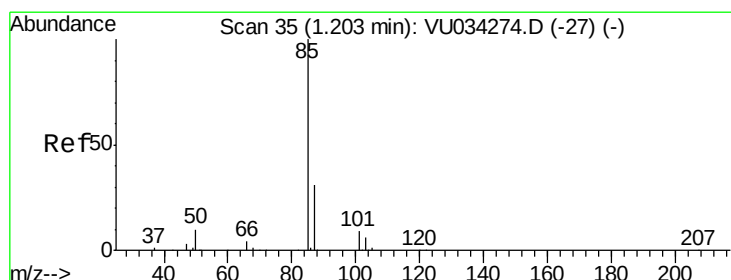
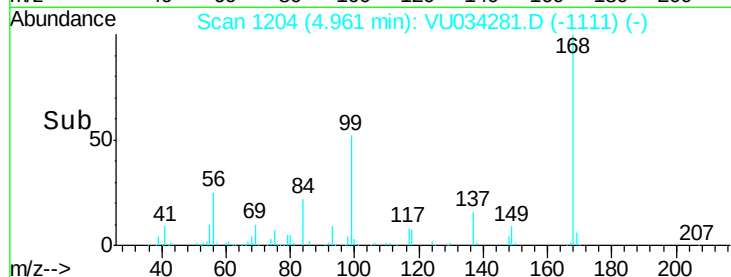
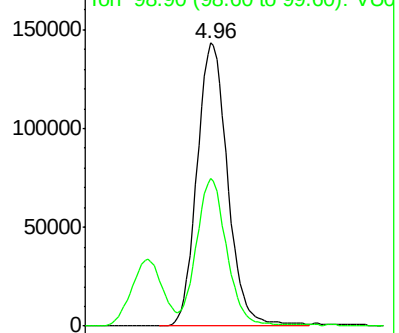
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9/6/2019 3:21:52 PM



Abundance Ion 167.90 (167.60 to 168.60): VU034281.D (-1186) (-)



#2

Dichlorodifluoromethane

Concen: 18.440 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034281.D

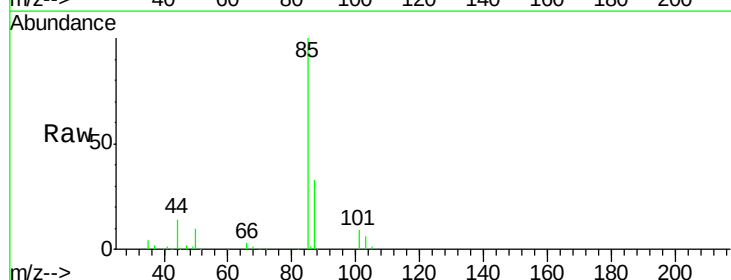
Acq: 05 Sep 2019 14:12

Tgt Ion: 85 Resp: 63492

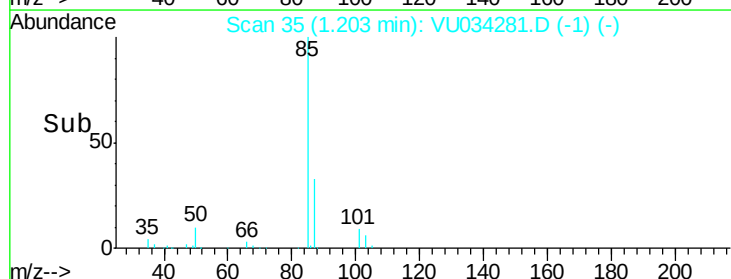
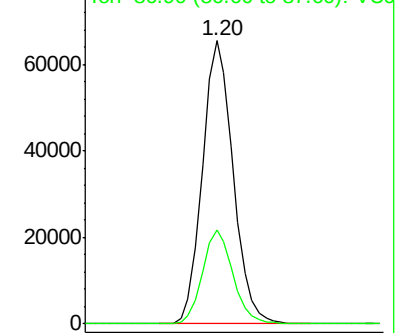
Ion Ratio Lower Upper

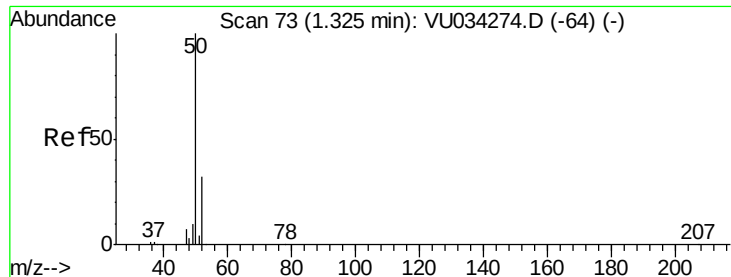
85 100

87 33.1 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034281.D (-27) (-)





#3

Chloromethane

Concen: 21.111 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 50 Resp: 78716

Ion Ratio Lower Upper

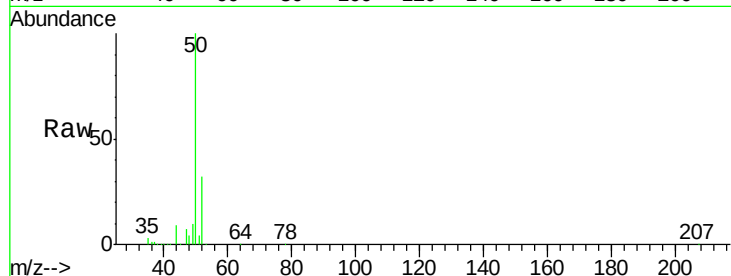
50 100

52 32.4 25.8 38.6

Manual Integrations
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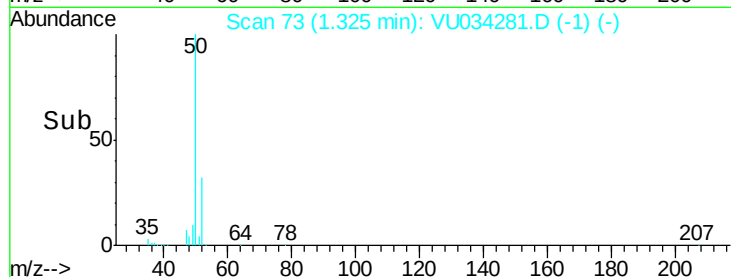


Abundance Ion 49.90 (49.60 to 50.60): VU034281.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034281.D (-1) (-)

1.32

Time-->



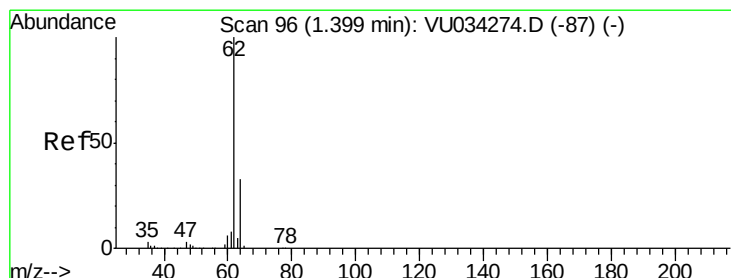
Abundance

Ion 49.90 (49.60 to 50.60): VU034281.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034281.D (-1) (-)

1.32

Time-->



#4

Vinyl Chloride

Concen: 18.775 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034281.D

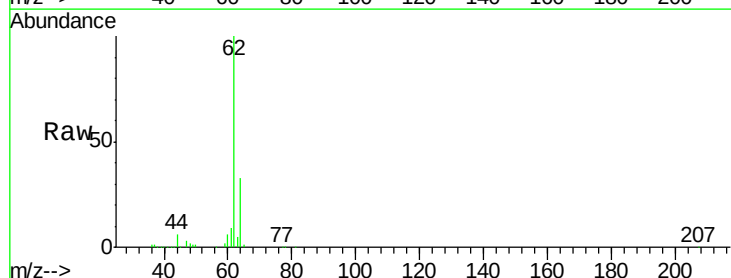
Acq: 05 Sep 2019 14:12

Tgt Ion: 62 Resp: 80556

Ion Ratio Lower Upper

62 100

64 33.4 26.2 39.4

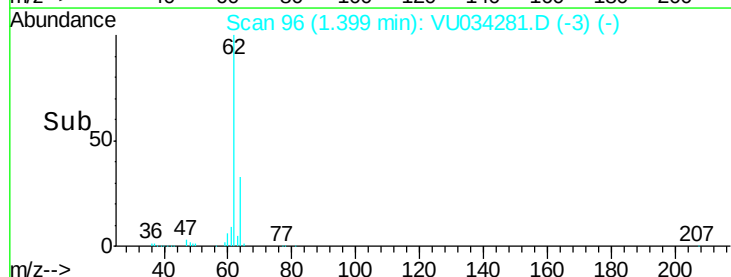


Abundance Ion 61.90 (61.60 to 62.60): VU034281.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034281.D (-3) (-)

1.40

Time-->



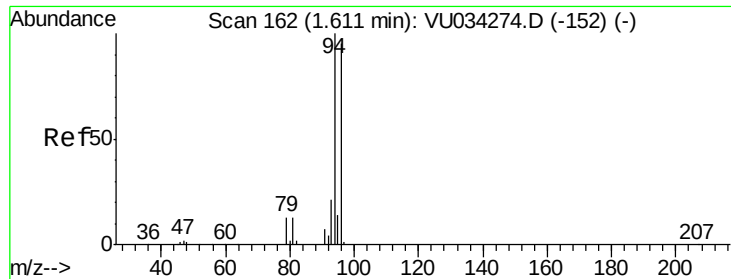
Abundance

Ion 61.90 (61.60 to 62.60): VU034281.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034281.D (-3) (-)

1.40

Time-->



#5

Bromomethane

Concen: 20.114 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 94 Resp: 49337

Ion Ratio Lower Upper

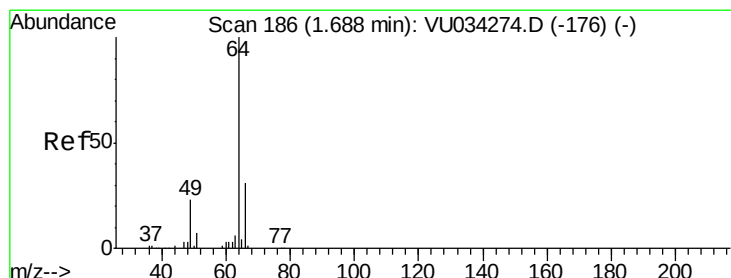
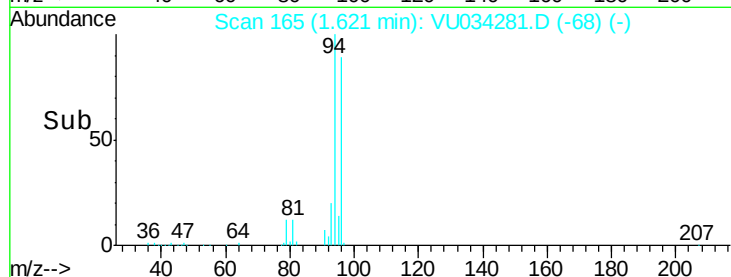
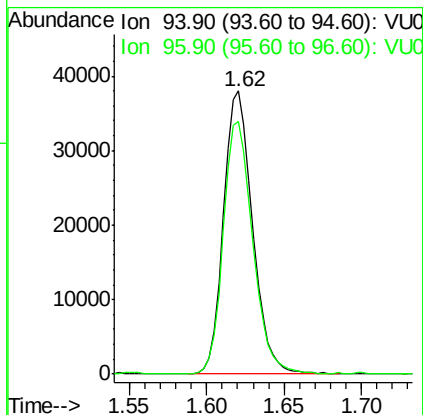
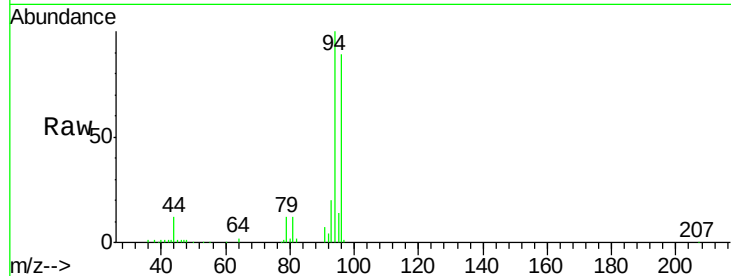
94 100

96 89.1 75.7 113.5

Manual Integrations
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#6

Chloroethane

Concen: 20.021 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034281.D

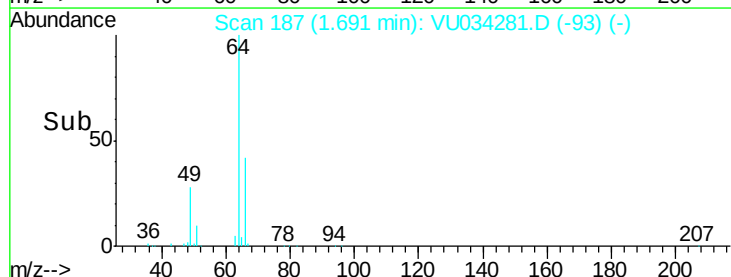
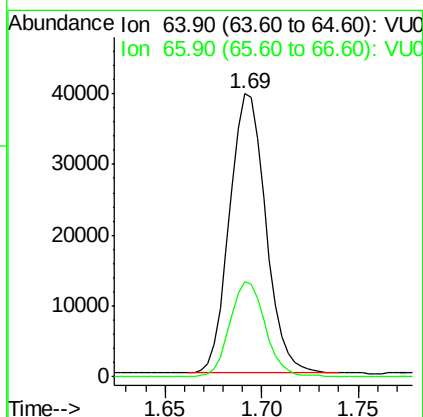
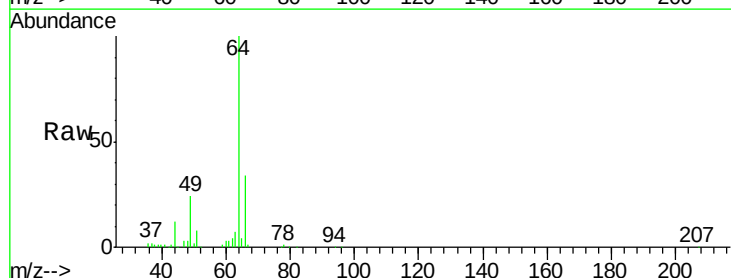
Acq: 05 Sep 2019 14:12

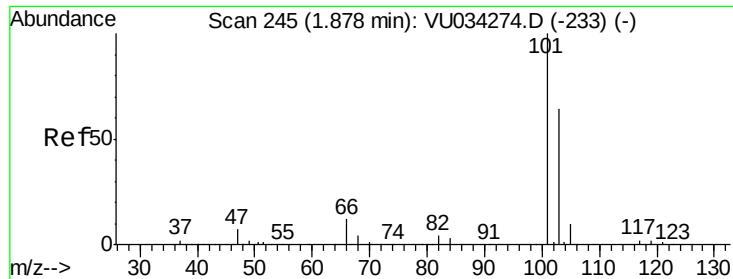
Tgt Ion: 64 Resp: 51427

Ion Ratio Lower Upper

64 100

66 34.1 25.0 37.6





#7

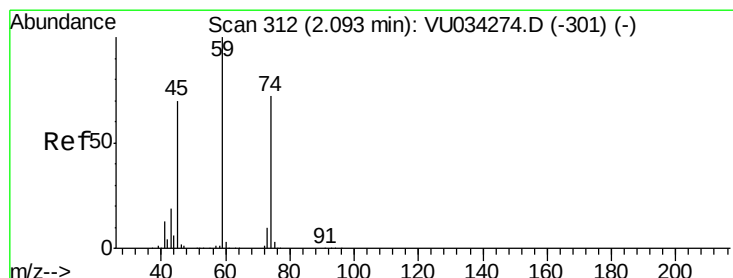
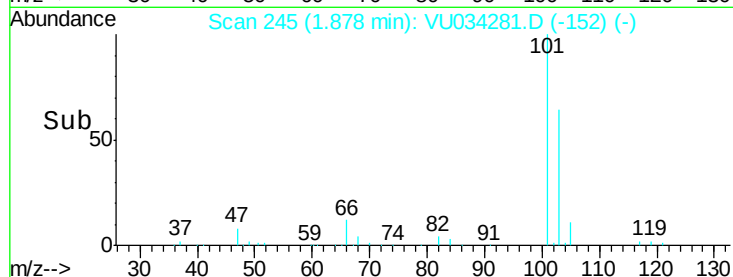
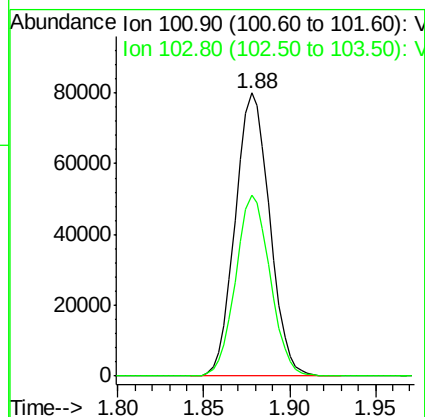
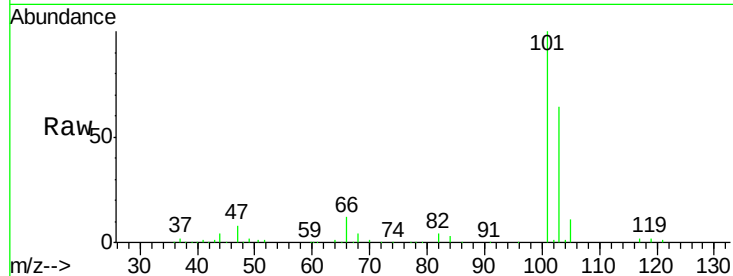
Trichlorofluoromethane
Concen: 19.344 ug/l
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion:101 Resp: 111286
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

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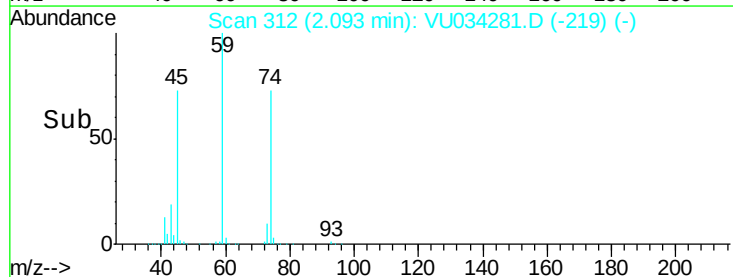
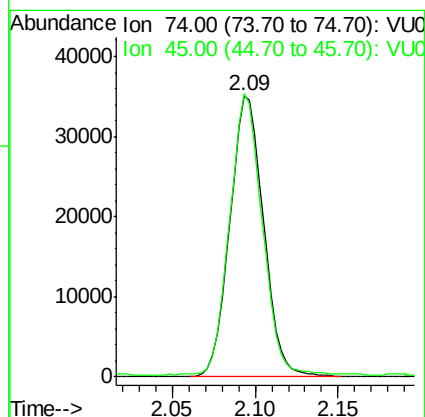
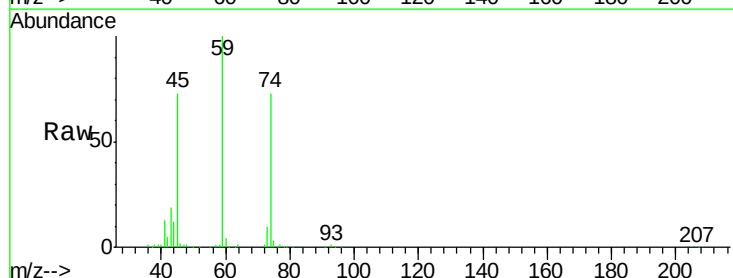
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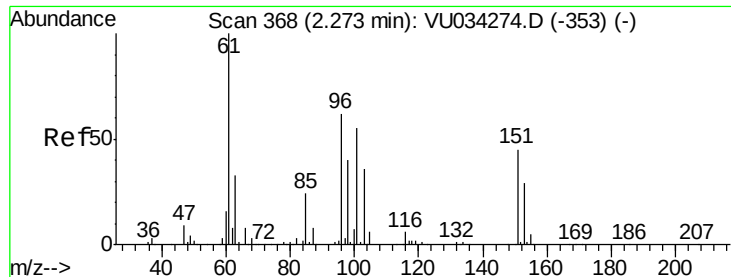


#8

Diethyl Ether
Concen: 19.606 ug/l
RT: 2.09 min Scan# 312
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion: 74 Resp: 49615
Ion Ratio Lower Upper
74 100
45 95.6 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.082 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

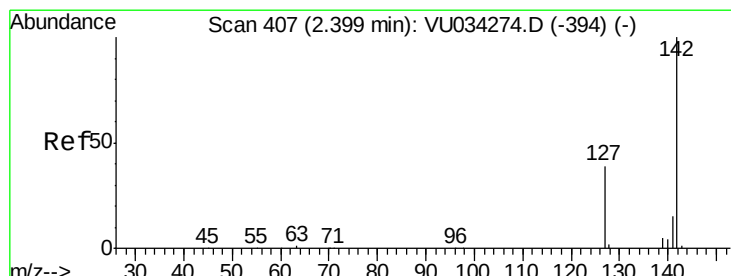
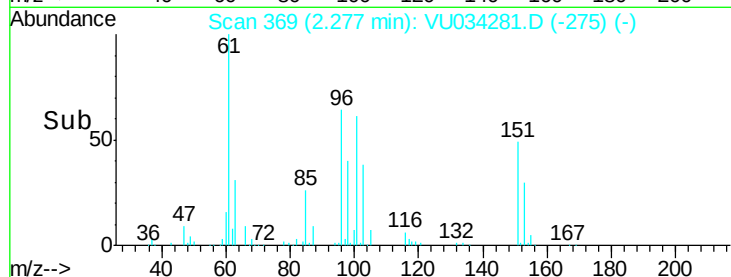
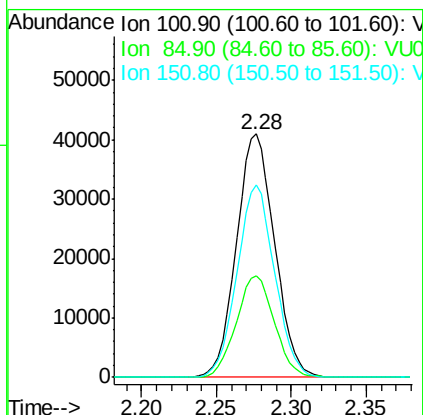
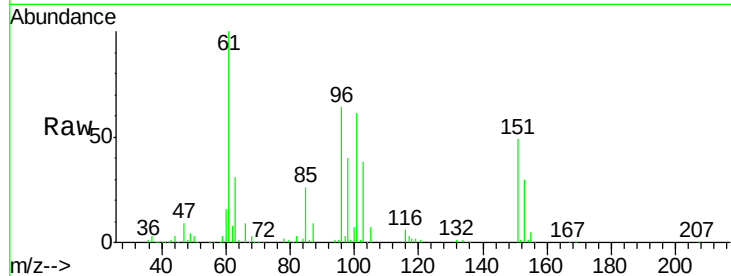
ClientSampleId :

VU0906WBS01

Tot Ion:	101	Resp:	72708
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.4	51.6
151	78.0	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 14.442 ug/l

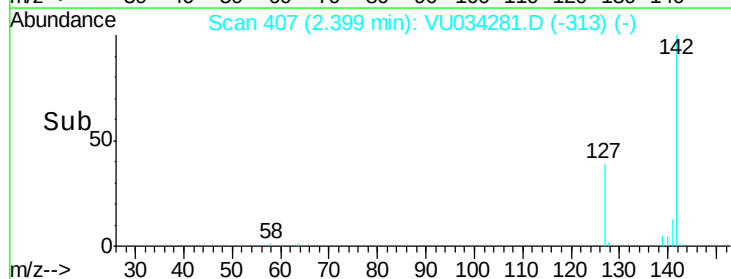
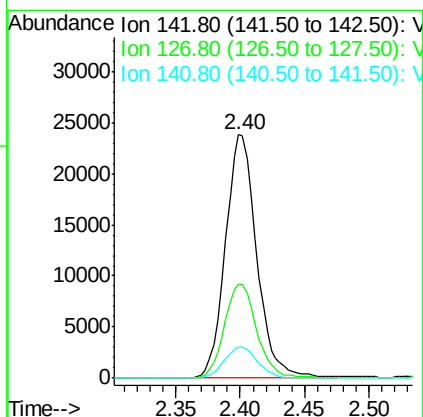
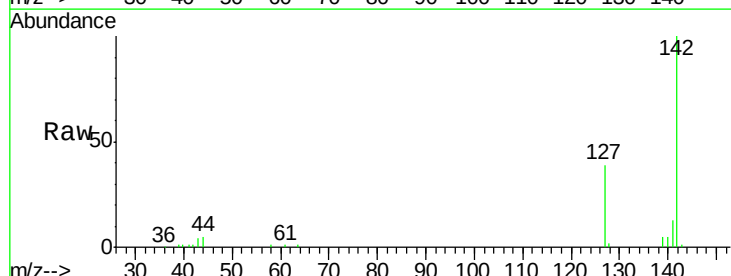
RT: 2.40 min Scan# 407

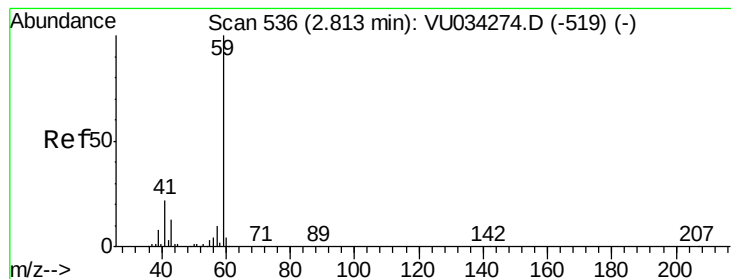
Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion:	142	Resp:	40014
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.1	48.1
141	13.3	11.5	17.3





#11

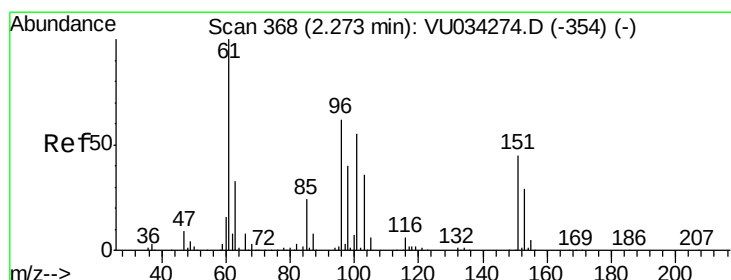
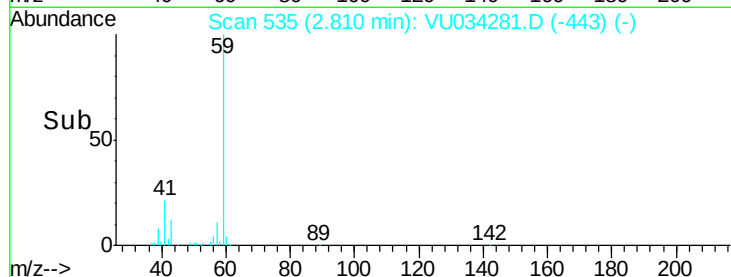
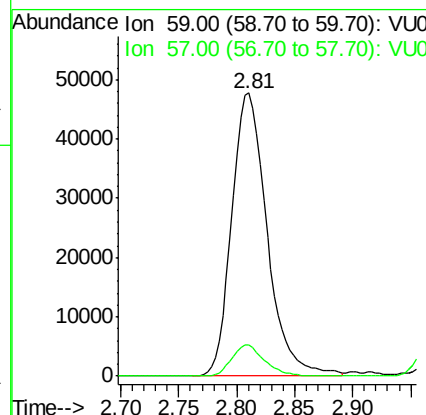
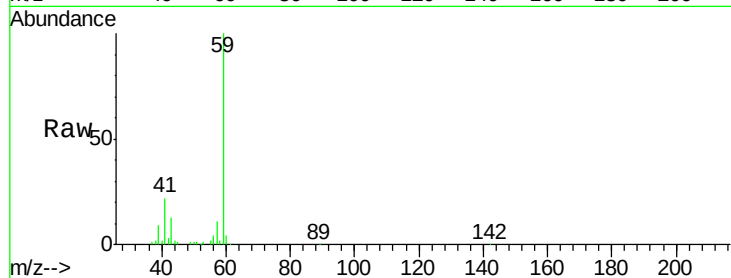
Tert butyl alcohol
 Concen: 95.941 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

Manual Integrations
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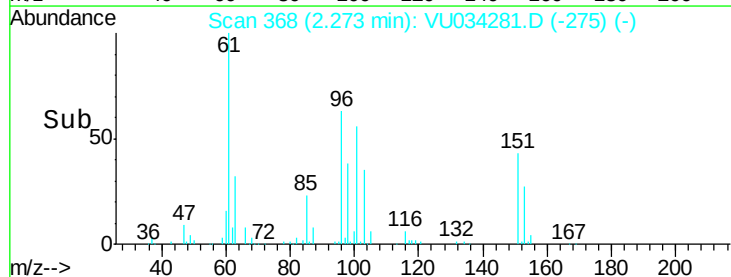
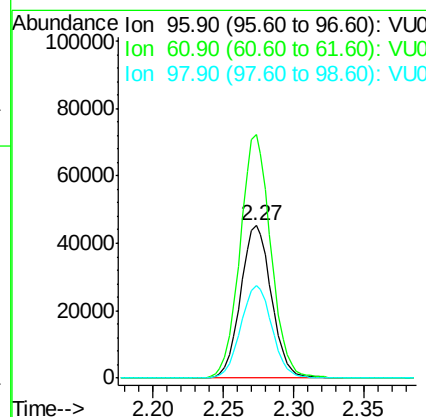
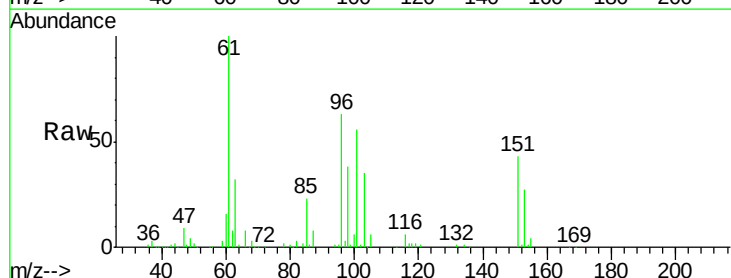
MMDadoda
 9/6/2019 3:21:52 PM

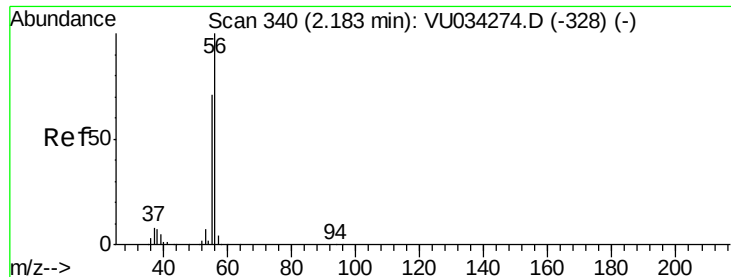


#12

1,1-Dichloroethene
 Concen: 19.410 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	130.0	195.0
98	60.9	52.2	78.4





#13

Acrolein

Concen: 88.609 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 56 Resp: 78374

Ion Ratio Lower Upper

56 100

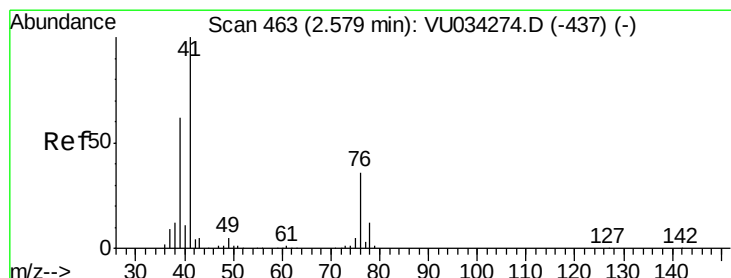
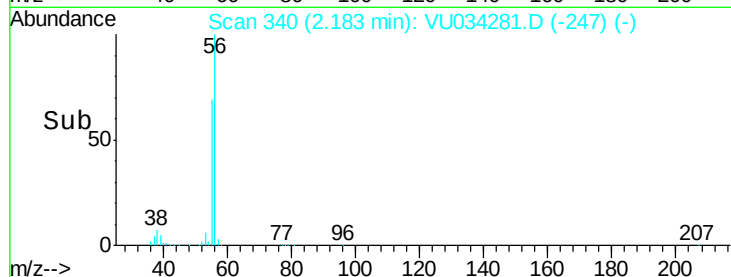
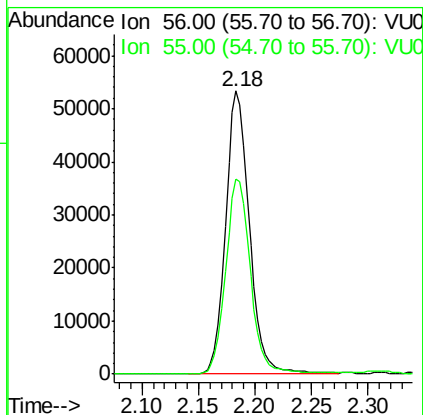
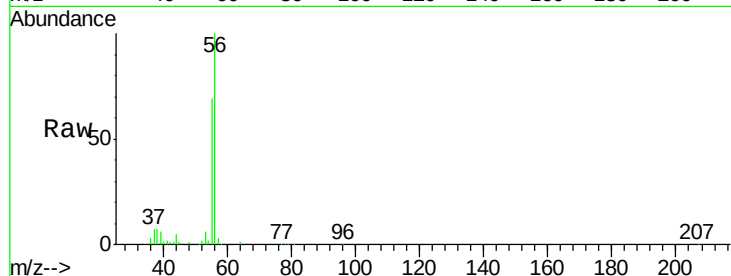
55 71.8 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.263 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

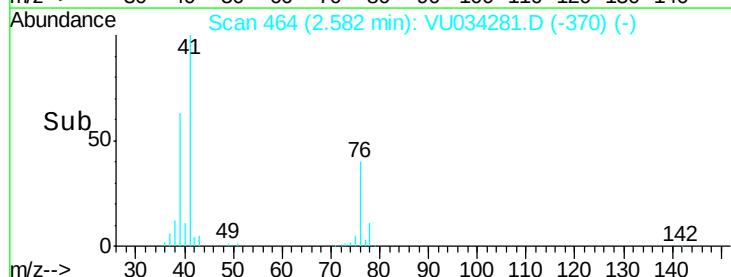
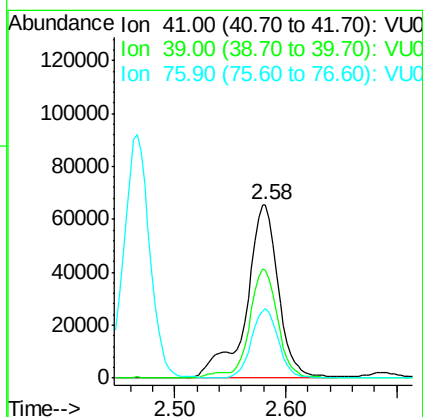
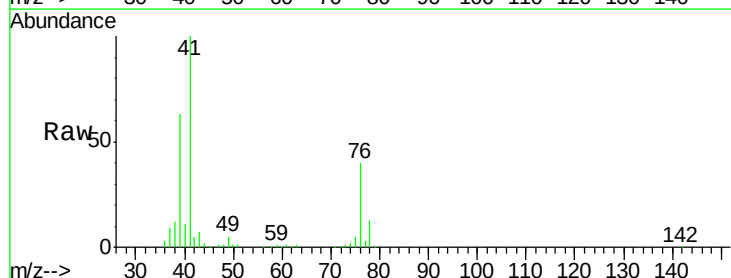
Tgt Ion: 41 Resp: 131911

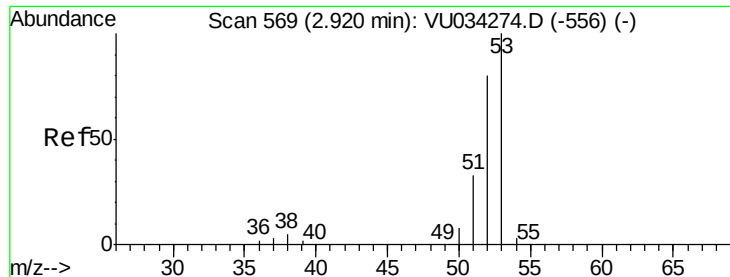
Ion Ratio Lower Upper

41 100

39 53.4 43.5 65.3

76 33.0 27.0 40.6





#15

Acrylonitrile

Concen: 100.592 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

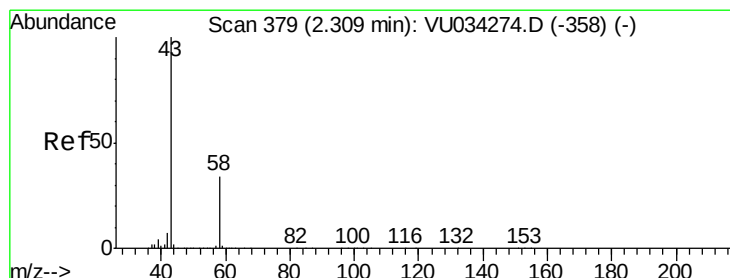
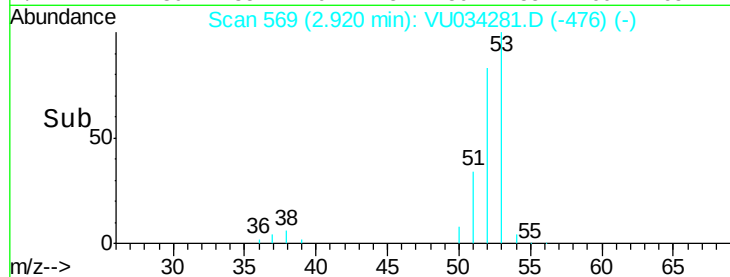
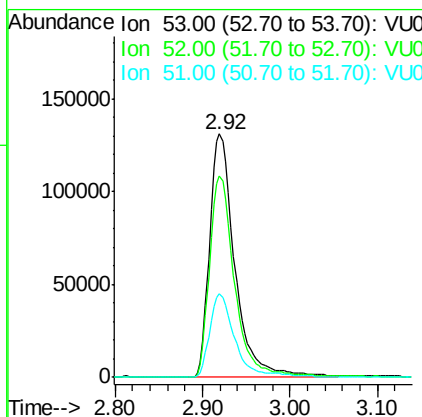
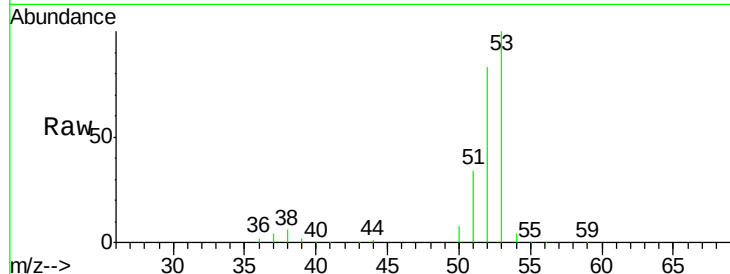
ClientSampleId :

VU0906WBS01

Tot Ion:	53	Resp:	263611
Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.1	96.1
51	34.7	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 90.855 ug/l

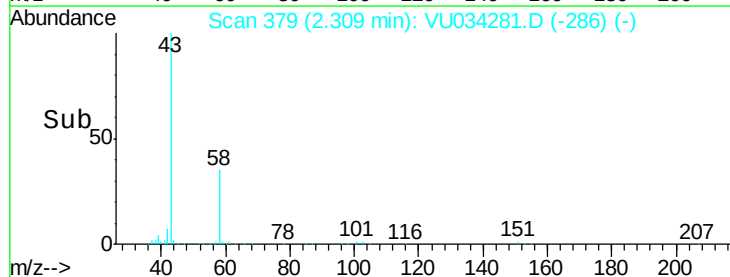
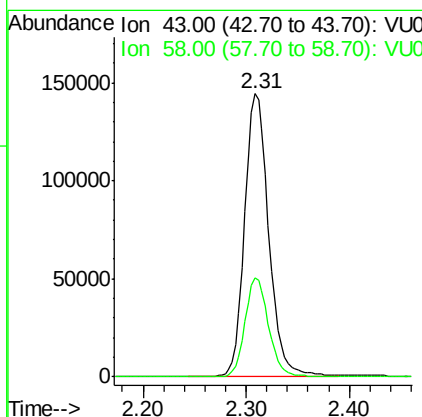
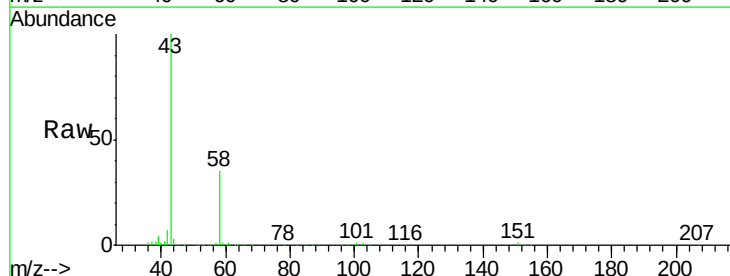
RT: 2.31 min Scan# 379

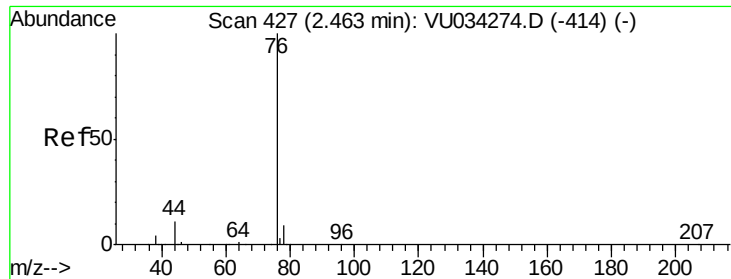
Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion:	43	Resp:	234201
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.6	41.4





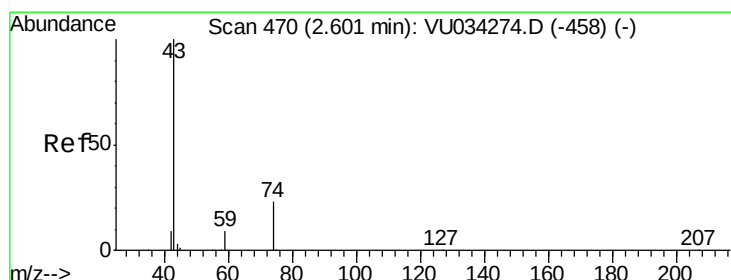
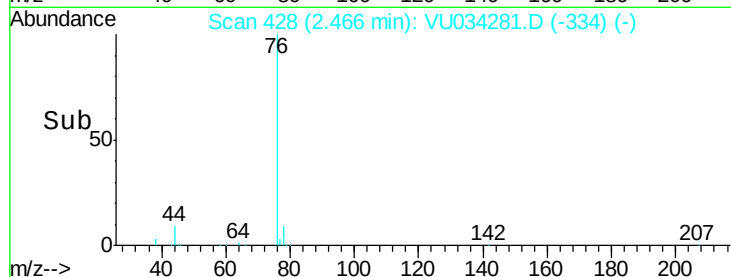
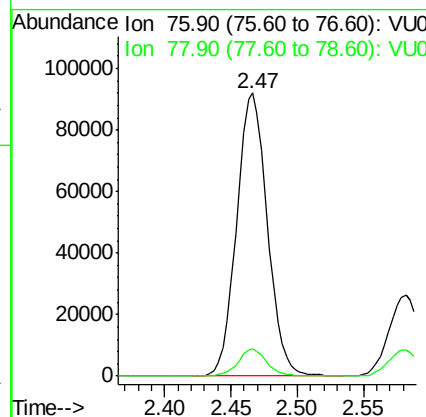
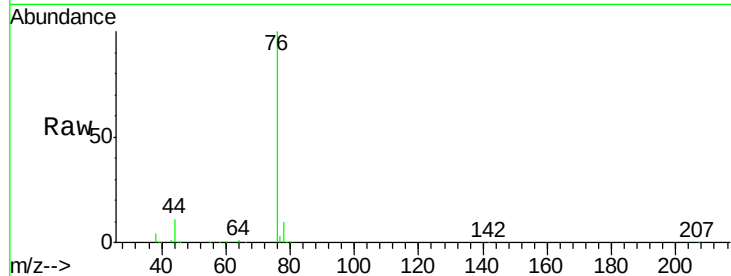
#17
Carbon Disulfide
Concen: 18.407 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

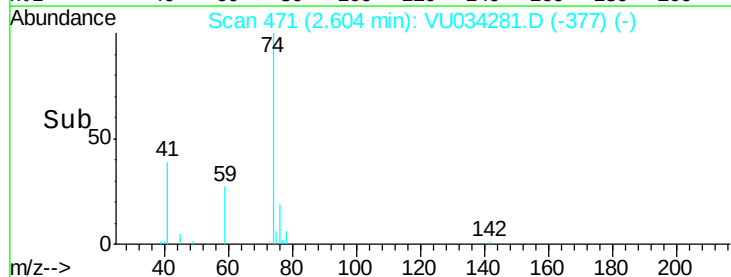
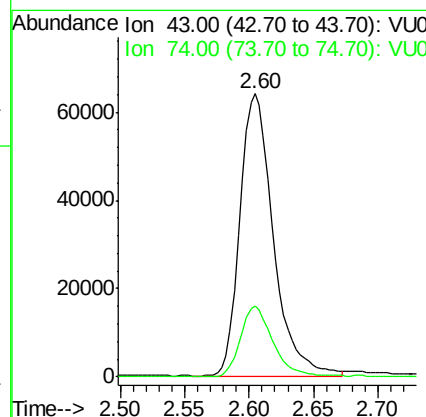
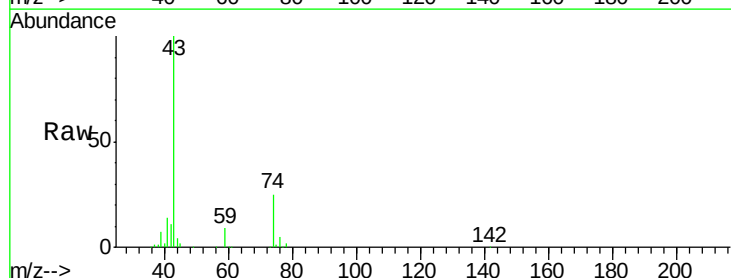
Manual Integrations
APPROVED

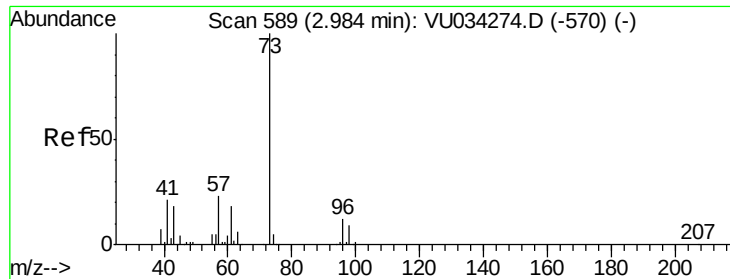
MMDadoda
9/6/2019 3:21:52 PM



#18
Methyl Acetate
Concen: 18.408 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





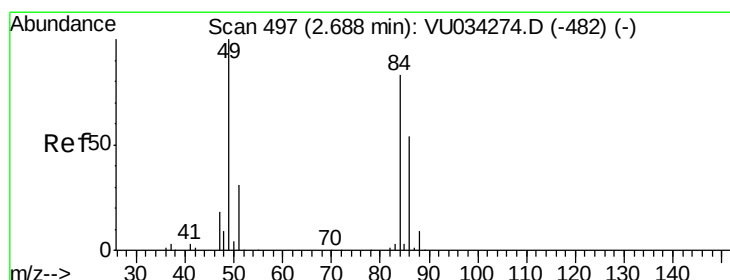
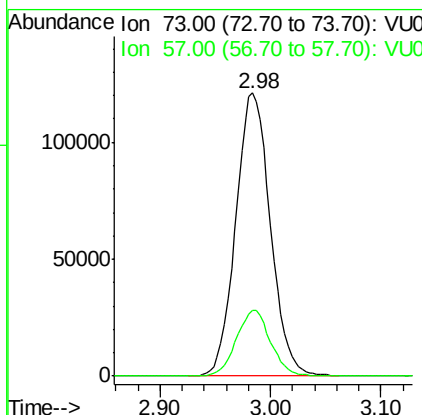
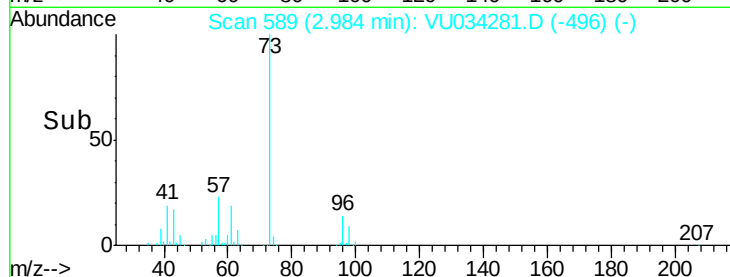
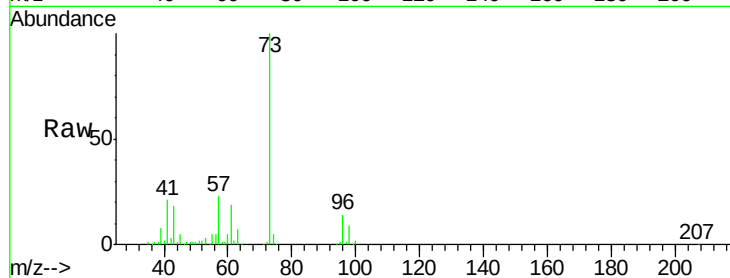
#19
Methyl tert-butyl Ether
Concen: 20.158 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.2	27.4

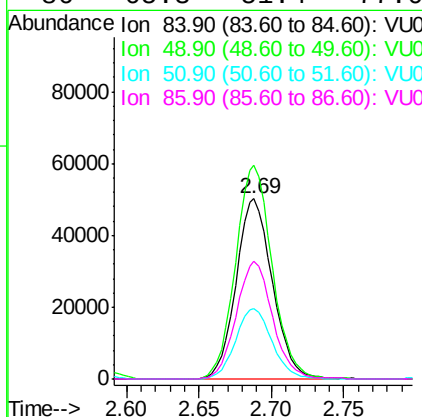
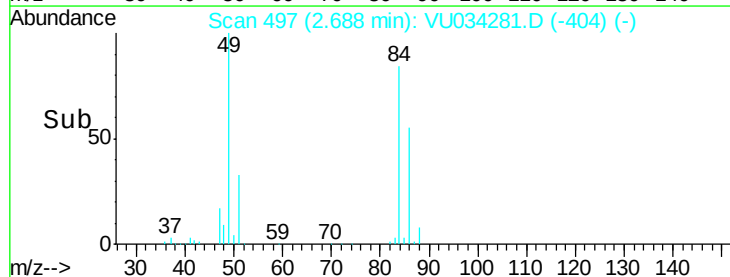
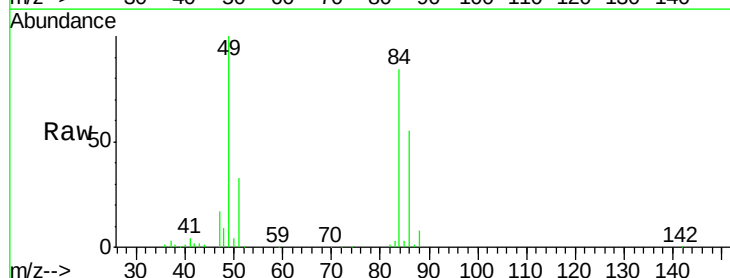
Manual Integrations
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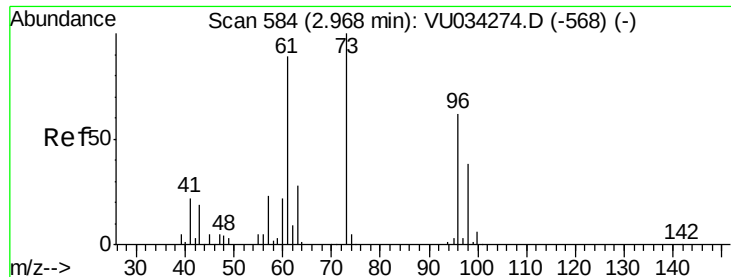
MMDadoda
9/6/2019 3:21:52 PM



#20
Methylene Chloride
Concen: 20.503 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	96.0	144.0
51	39.2	30.0	45.0
86	65.3	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 19.333 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 96 Resp: 72974

Ion Ratio Lower Upper

96 100

61 144.0 114.8 172.2

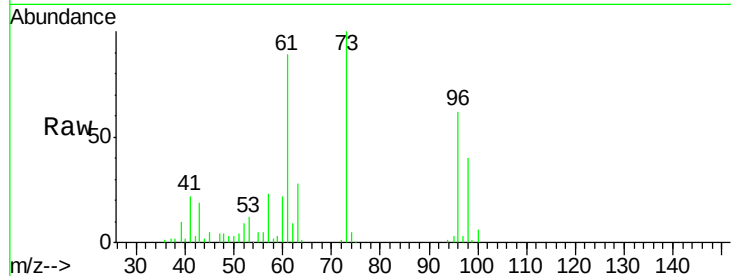
98 64.5 49.8 74.8

Manual Integrations

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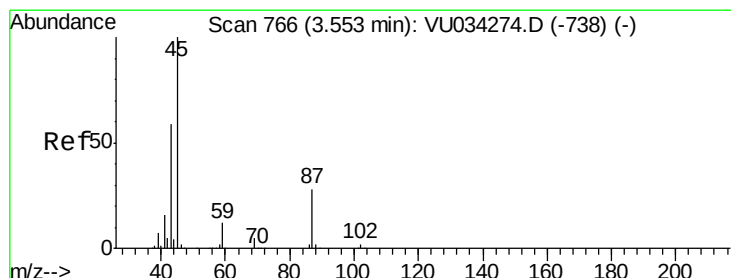
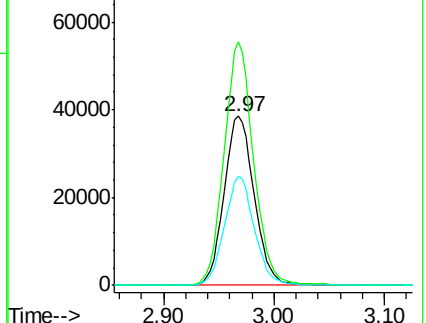
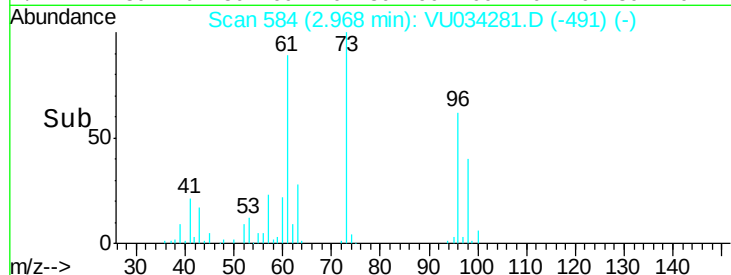
9/6/2019 3:21:52 PM



Abundance Ion 95.90 (95.60 to 96.60): VU034281.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034281.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034281.D (-491) (-)



#22

Diisopropyl ether

Concen: 20.514 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion: 45 Resp: 273961

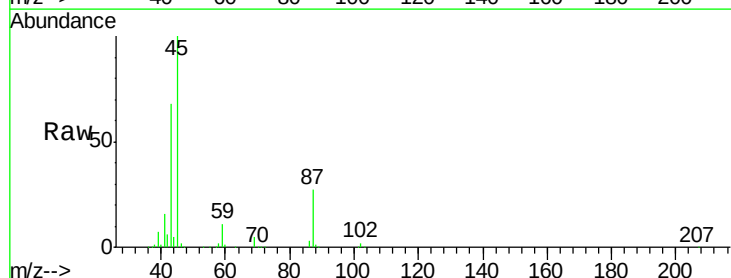
Ion Ratio Lower Upper

45 100

43 67.2 47.5 71.3

87 27.1 22.2 33.4

59 11.5 9.4 14.2

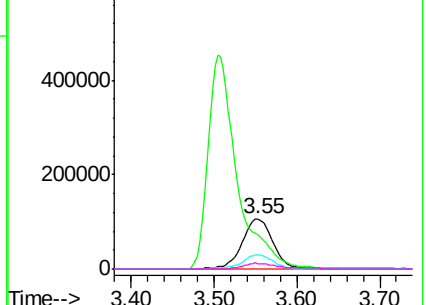
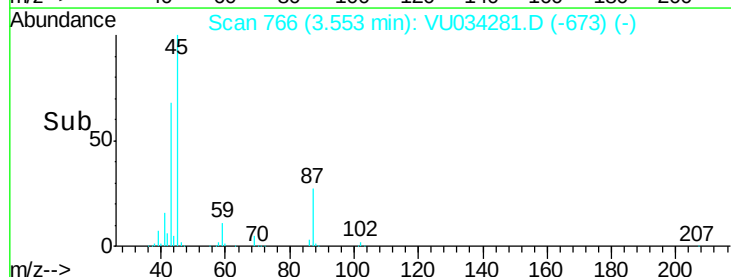


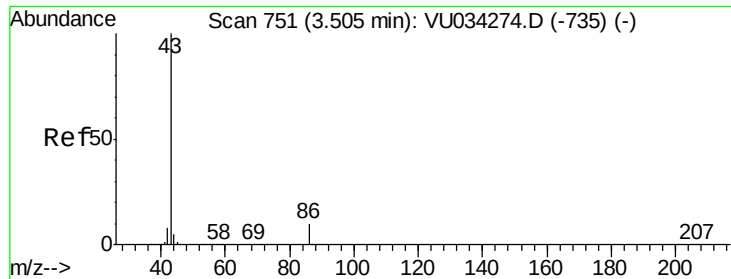
Abundance Ion 45.00 (44.70 to 45.70): VU034281.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034281.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034281.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034281.D (-673) (-)





#23

Vinyl Acetate

Concen: 102.834 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 43 Resp: 1118645

Ion Ratio Lower Upper

43 100

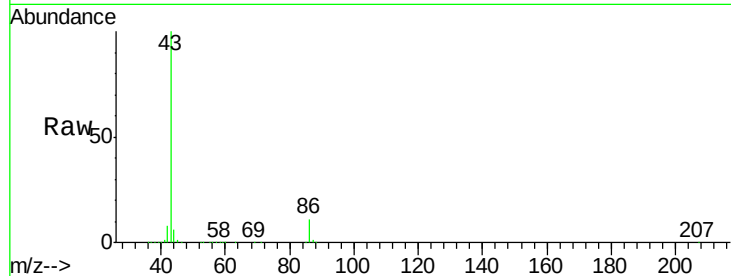
86 10.7 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.50

400000

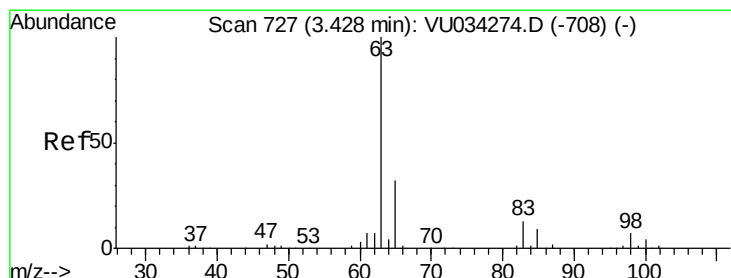
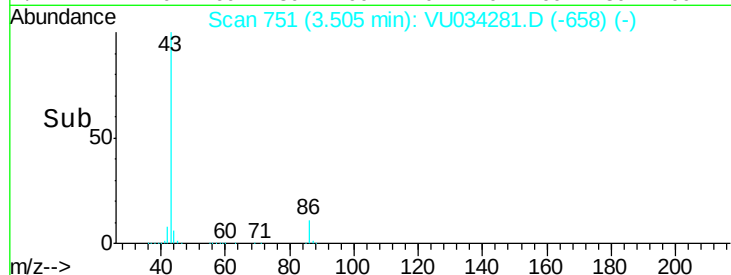
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.483 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

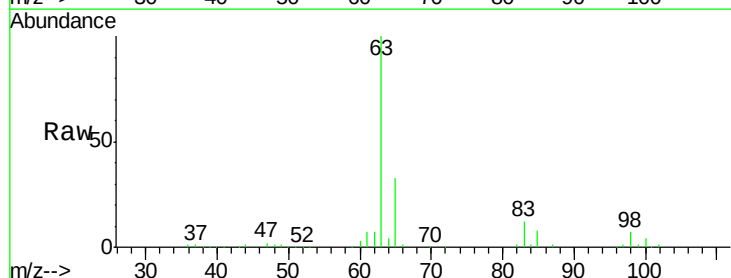
Tgt Ion: 63 Resp: 155384

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.43

80000

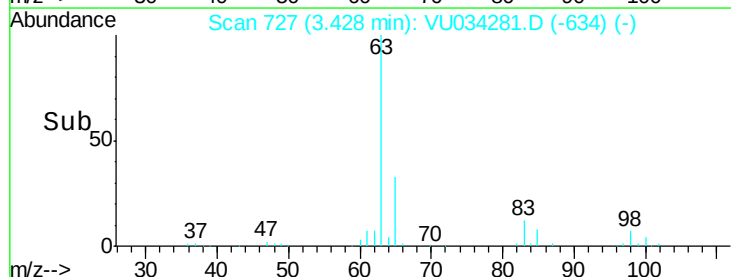
60000

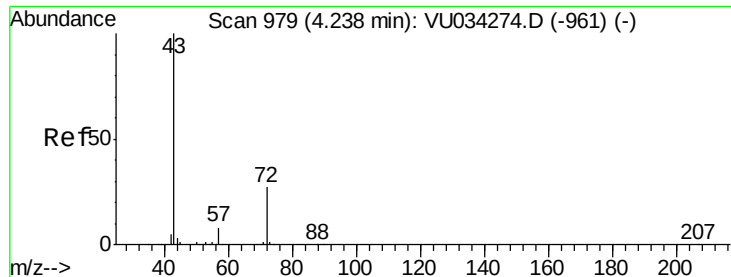
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.326 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 43 Resp: 345218

Ion Ratio Lower Upper

43 100

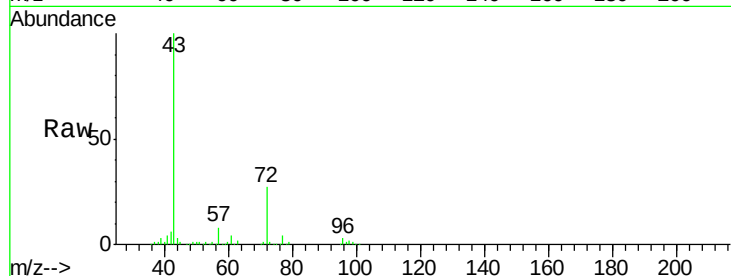
72 26.8 21.8 32.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.24

150000

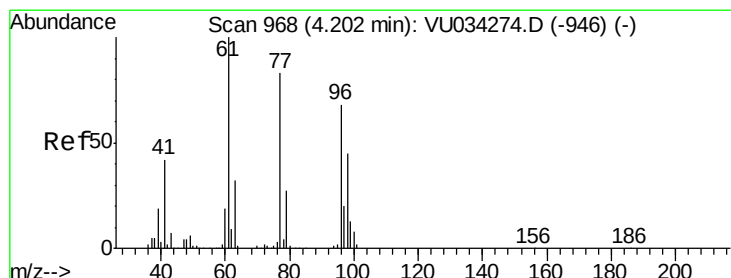
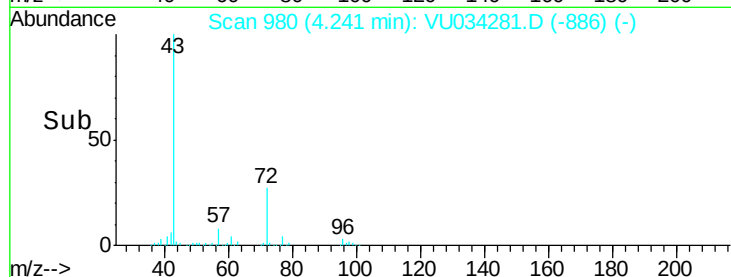
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 19.241 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034281.D

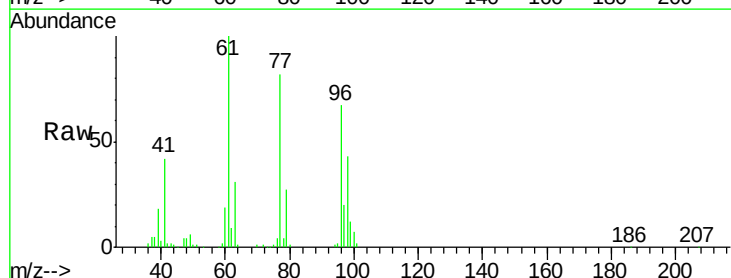
Acq: 05 Sep 2019 14:12

Tgt Ion: 77 Resp: 123418

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.20

50000

40000

30000

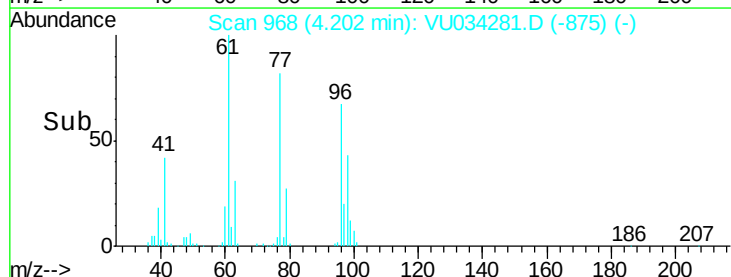
20000

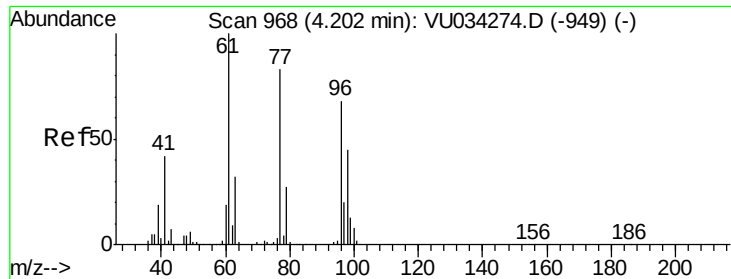
10000

0

4.10 4.20 4.30

Time-->





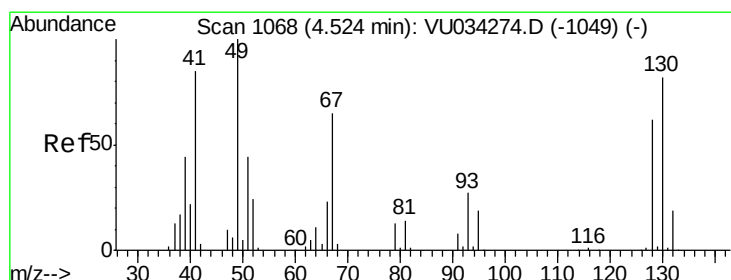
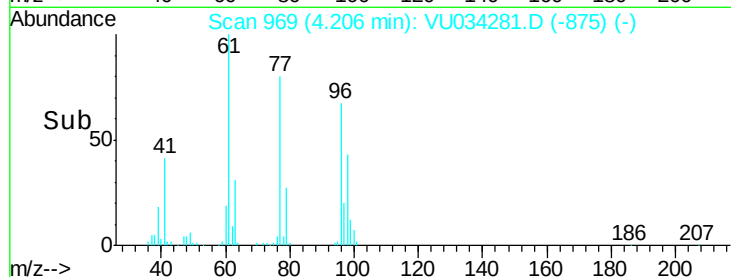
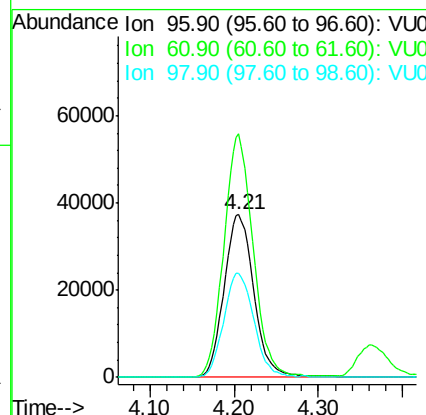
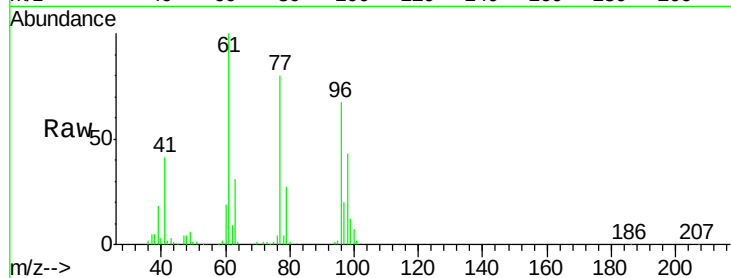
#27
 cis-1,2-Dichloroethene
 Concen: 20.046 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.2	0.0	297.4	
98	64.3	0.0	130.0	

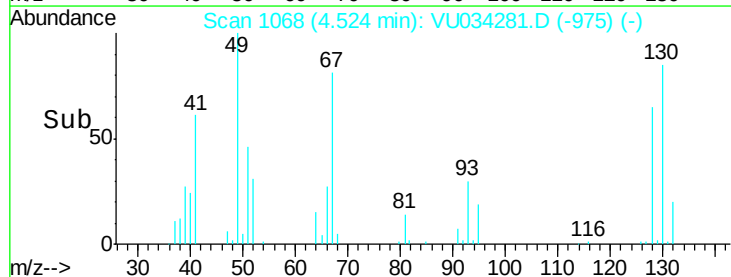
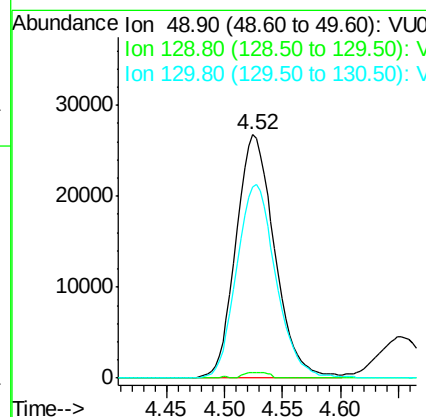
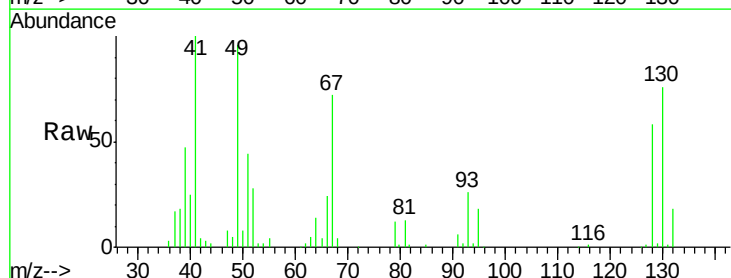
Manual Integrations
 APPROVED

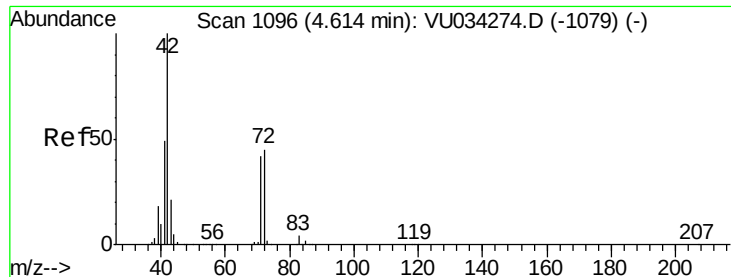
MMDadoda
 9/6/2019 3:21:52 PM



#28
 Bromochloromethane
 Concen: 16.901 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.8	
130	80.9	65.2	97.8	





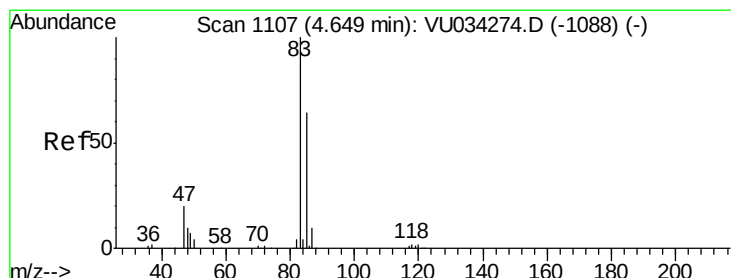
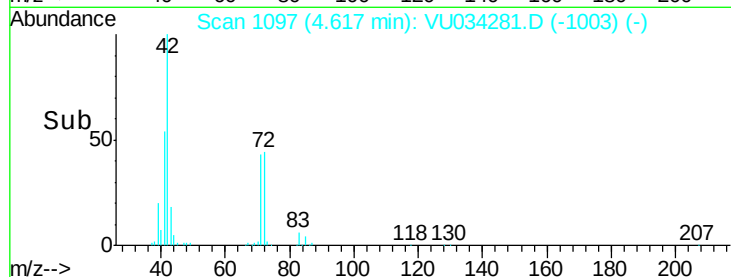
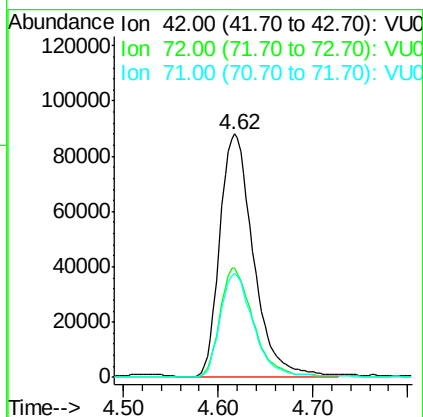
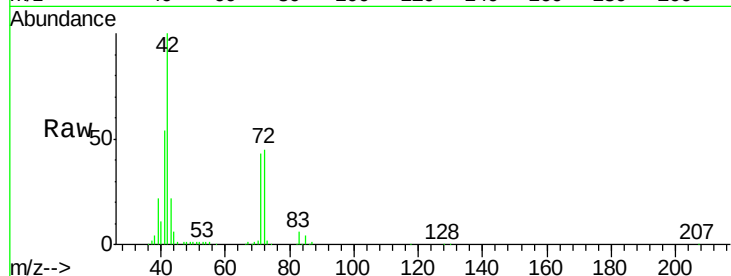
#29
Tetrahydrofuran
Concen: 103.309 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.6	54.8
71	42.8	34.3	51.5

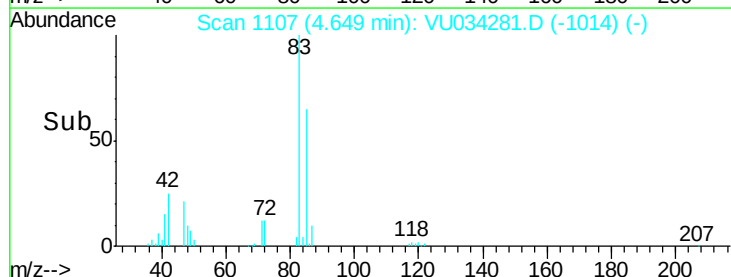
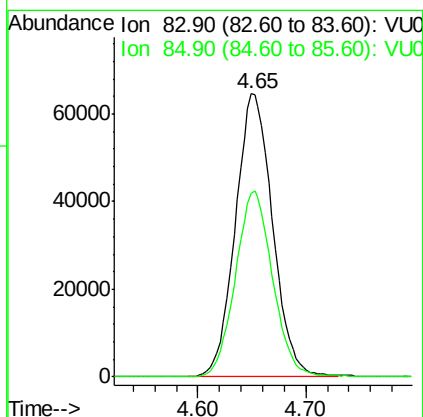
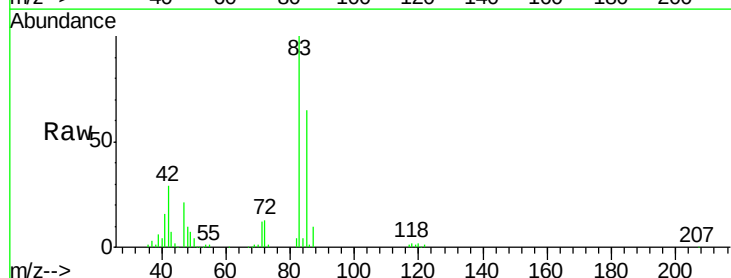
Manual Integrations
APPROVED

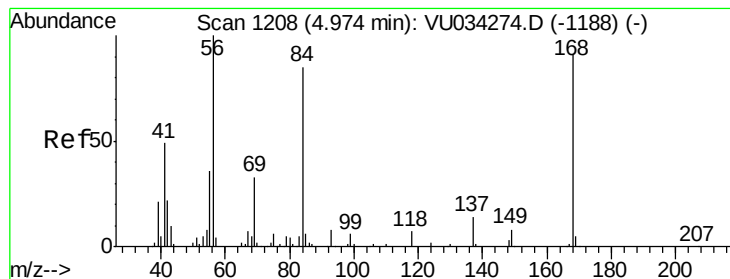
MMDadoda
9/6/2019 3:21:52 PM



#30
Chloroform
Concen: 19.116 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 19.766 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 56 Resp: 115327

Ion Ratio Lower Upper

56 100

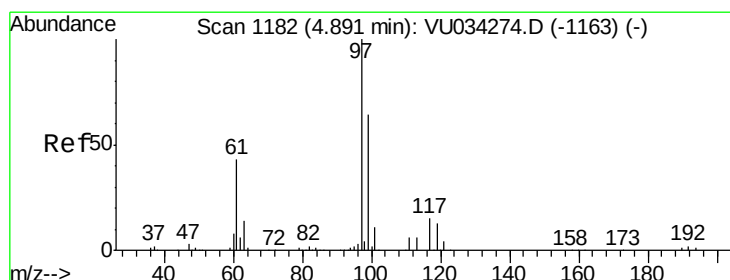
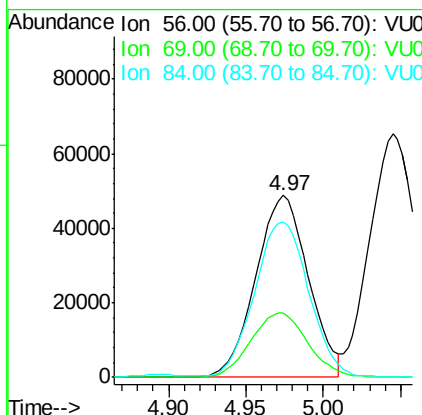
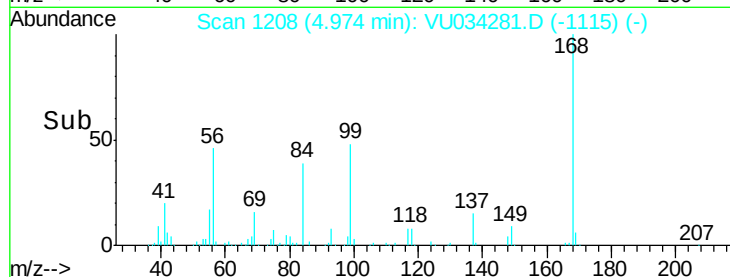
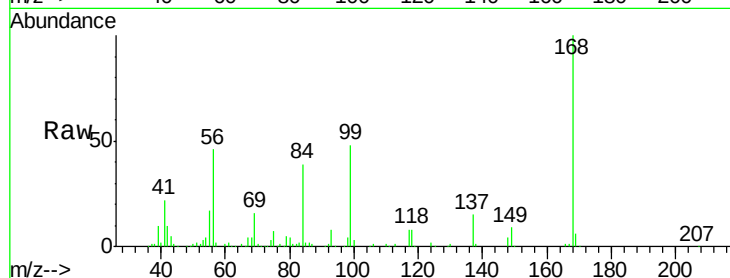
69 35.2 26.7 40.1

84 84.9 68.2 102.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.592 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

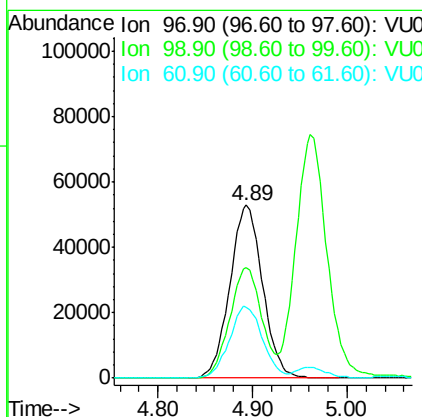
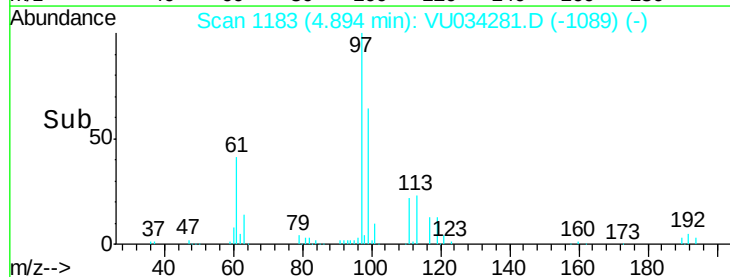
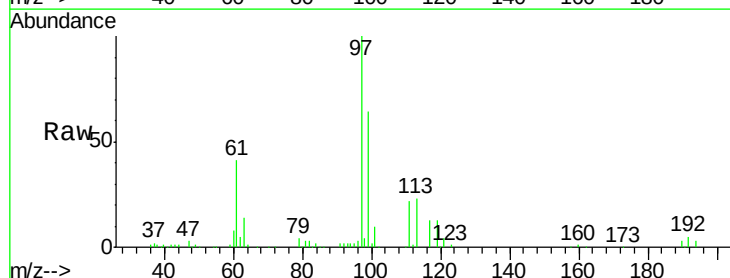
Tgt Ion: 97 Resp: 126984

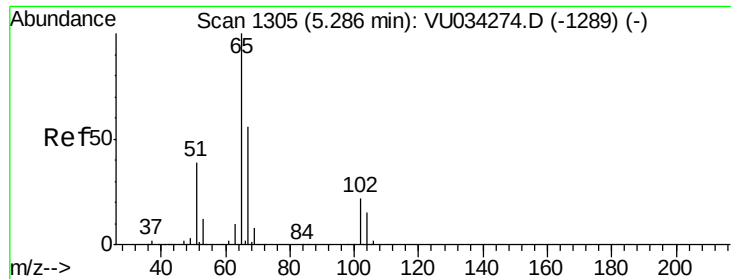
Ion Ratio Lower Upper

97 100

99 62.7 50.9 76.3

61 42.1 34.7 52.1





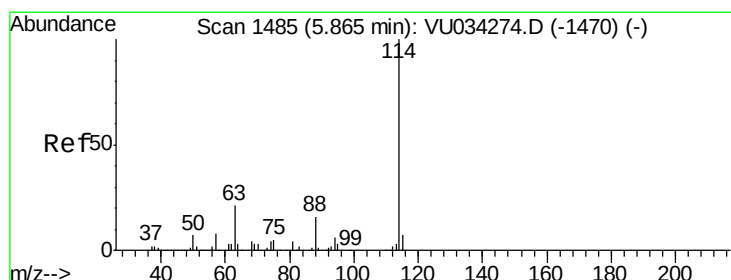
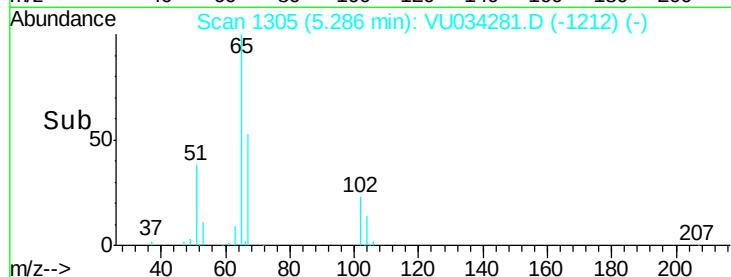
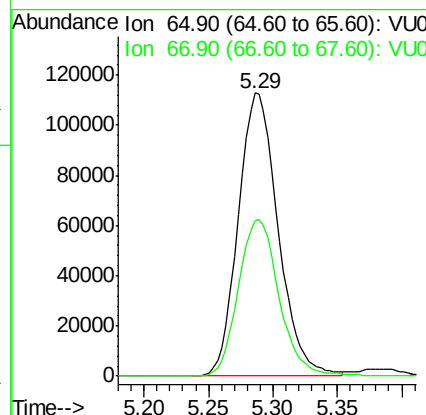
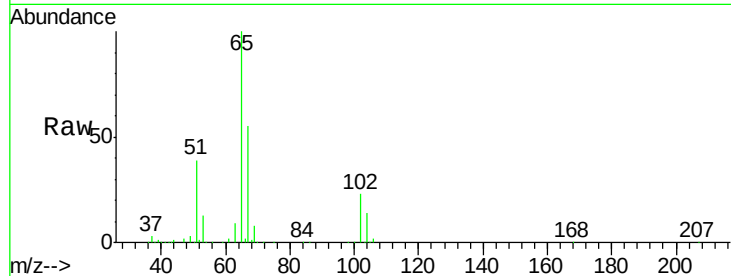
#33
 1,2-Dichloroethane-d4
 Concen: 48.722 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	242695		
67	56.3	0.0	112.4	

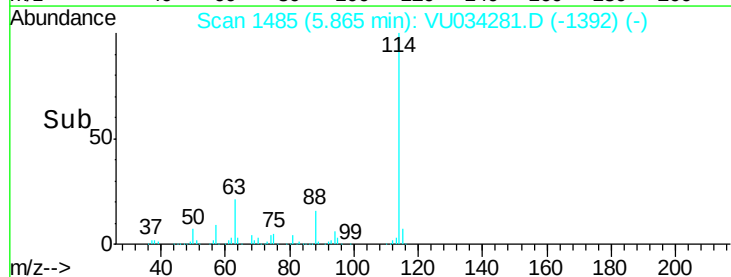
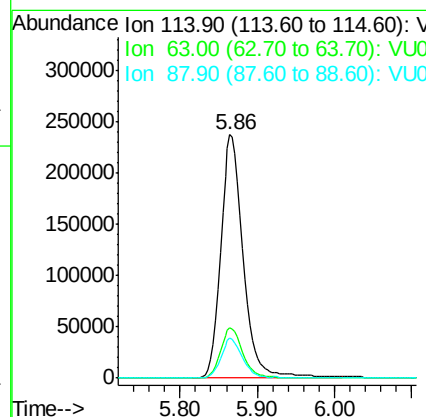
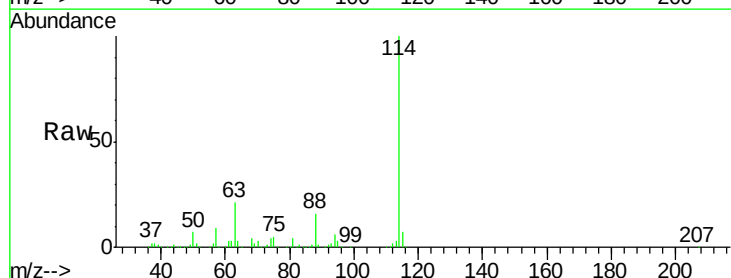
Manual Integrations
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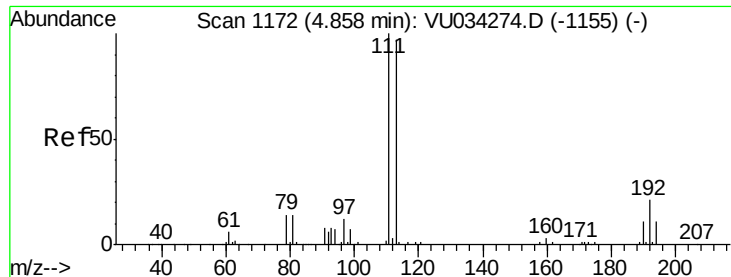
MMDadoda
 9/6/2019 3:21:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486185		
63	20.5	0.0	42.4	
88	16.2	0.0	32.4	





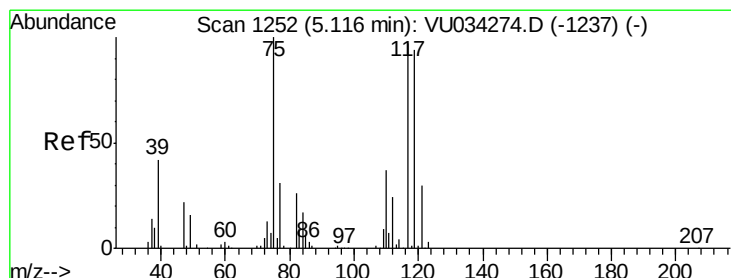
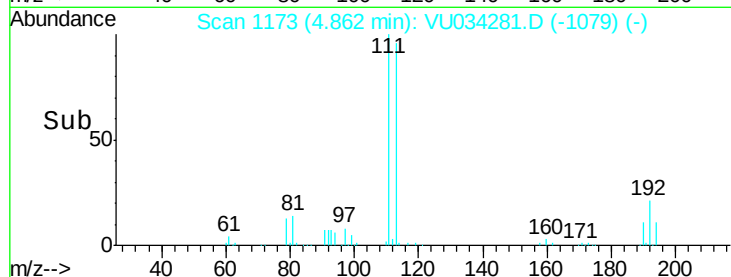
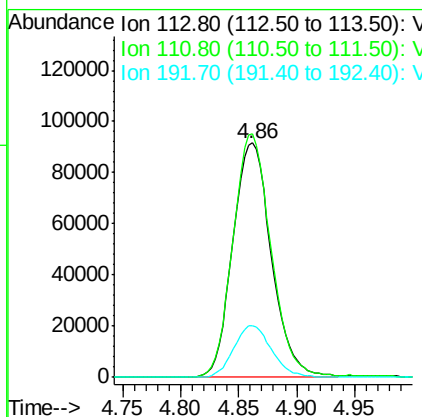
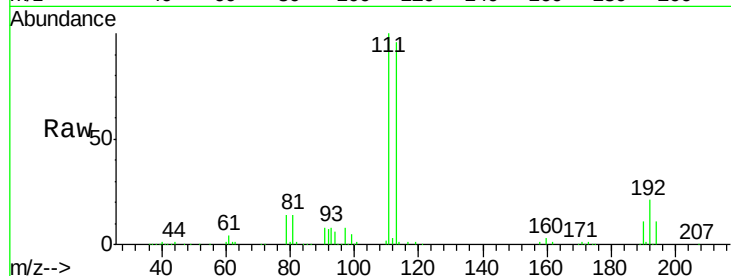
#35
 Dibromofluoromethane
 Concen: 46.972 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212498		
111	102.2	81.5	122.3	
192	21.8	17.8	26.8	

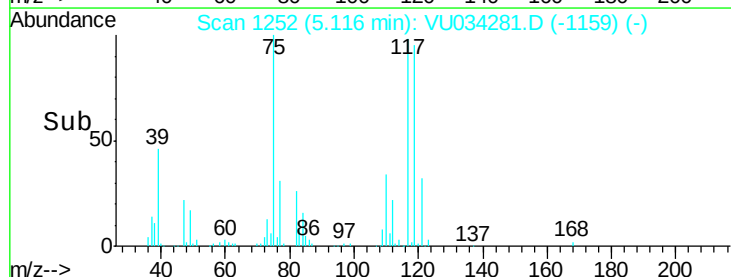
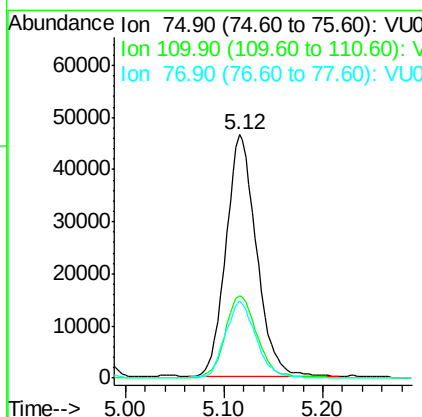
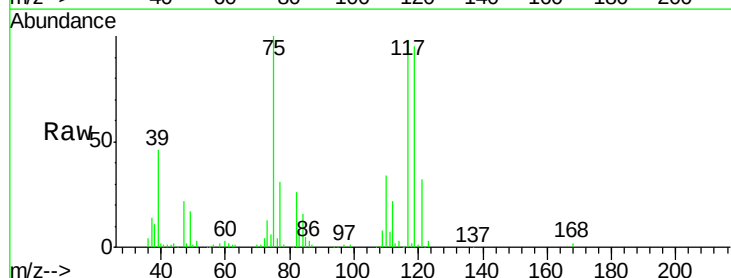
Manual Integrations
 APPROVED

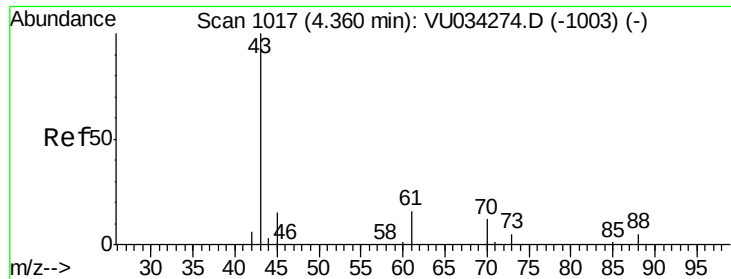
MMDadoda
 9/6/2019 3:21:52 PM



#36
 1,1-Dichloropropene
 Concen: 19.104 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100728		
110	35.8	18.3	54.9	
77	31.1	24.9	37.3	





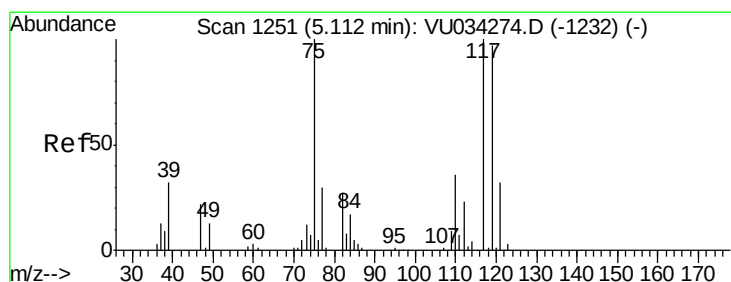
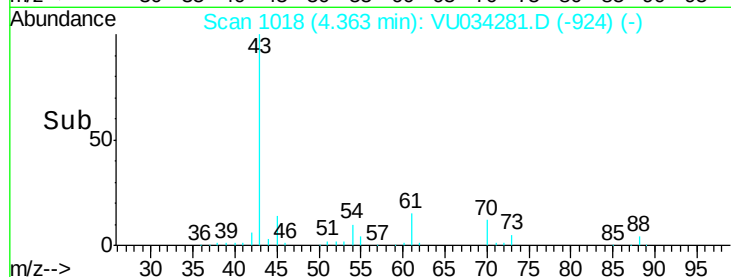
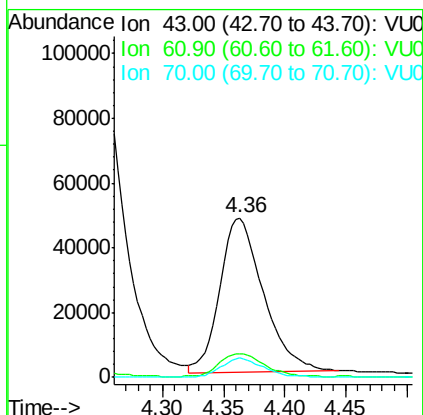
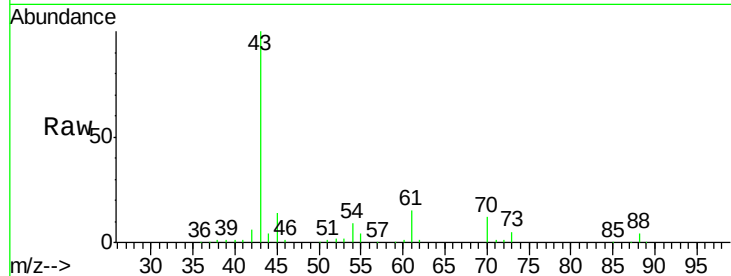
#37
Ethyl Acetate
Concen: 18.969 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.3	18.5
70	12.2	9.1	13.7

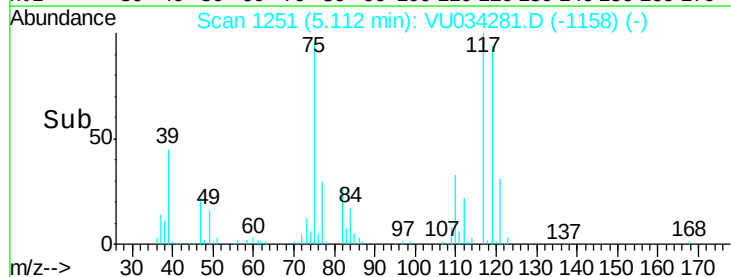
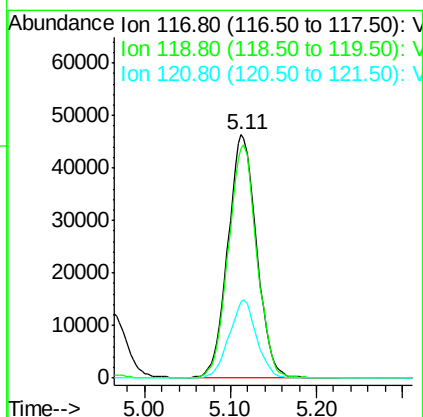
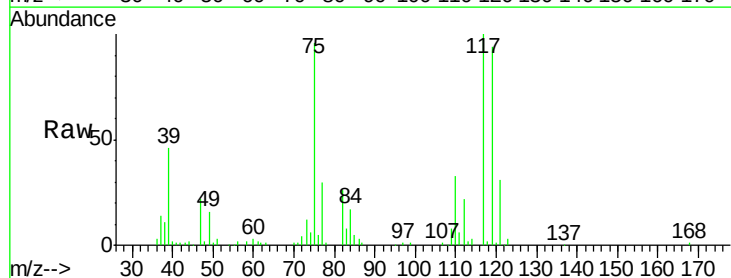
Manual Integrations
APPROVED

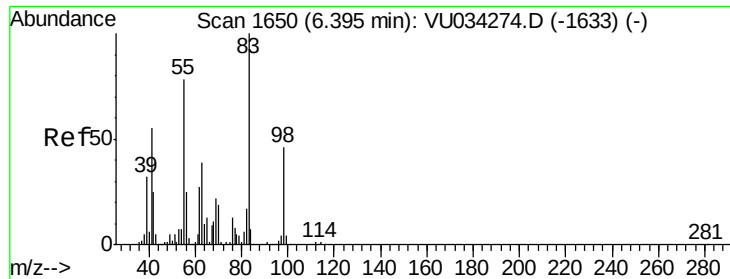
MMDadoda
9/6/2019 3:21:52 PM



#38
Carbon Tetrachloride
Concen: 19.088 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.8	116.6
121	31.4	25.2	37.8





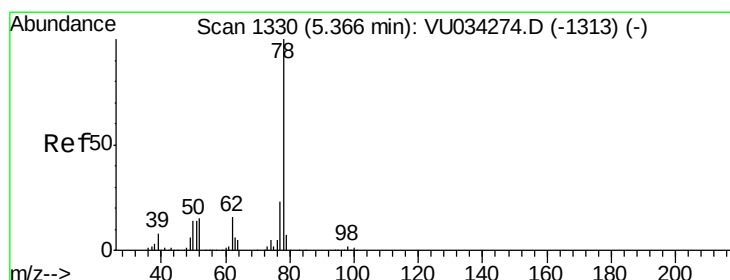
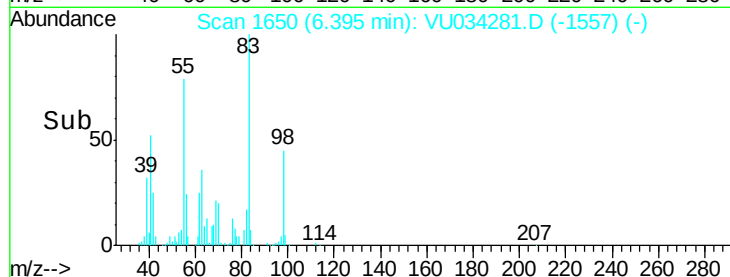
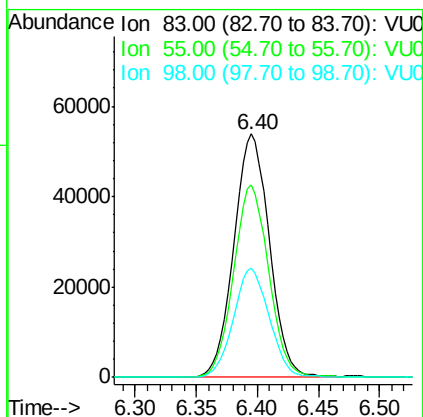
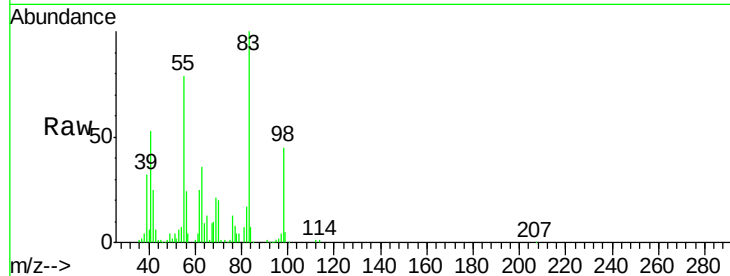
#39
Methylvlcyclohexane
Concen: 19.283 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.1	93.1
98	44.6	37.0	55.6

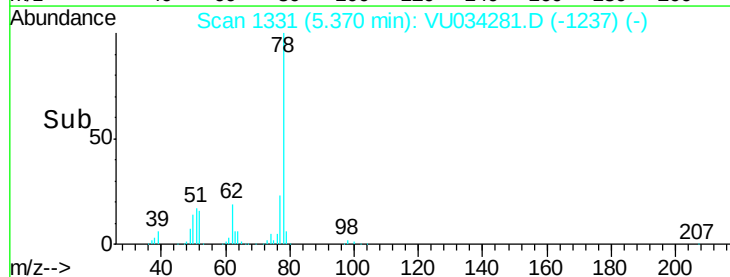
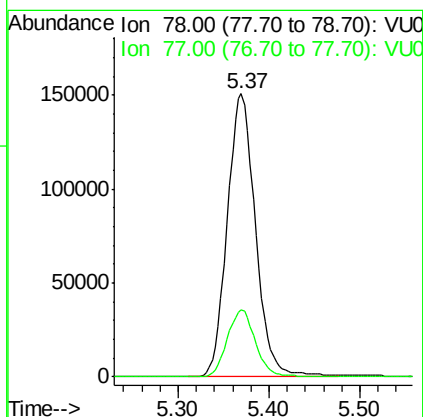
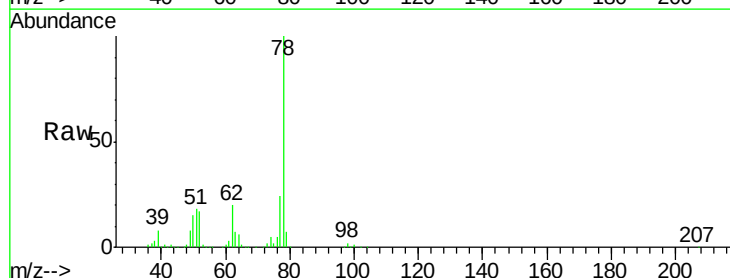
Manual Integrations
APPROVED

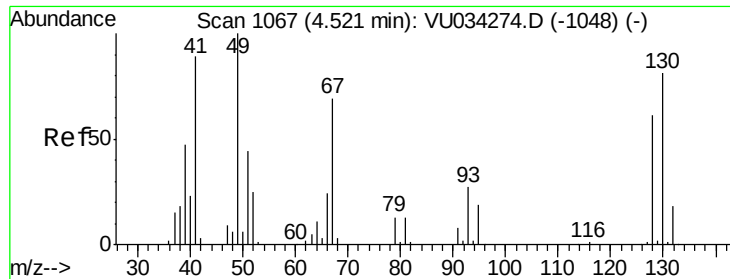
MMDadoda
9/6/2019 3:21:52 PM



#40
Benzene
Concen: 19.156 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





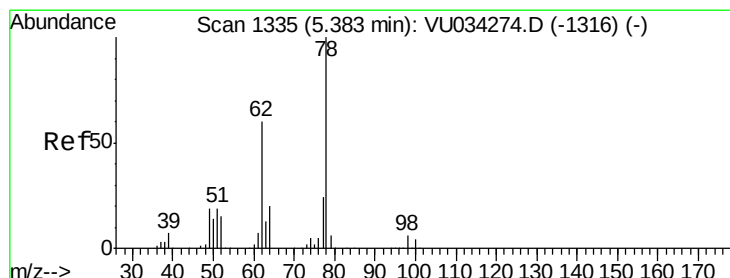
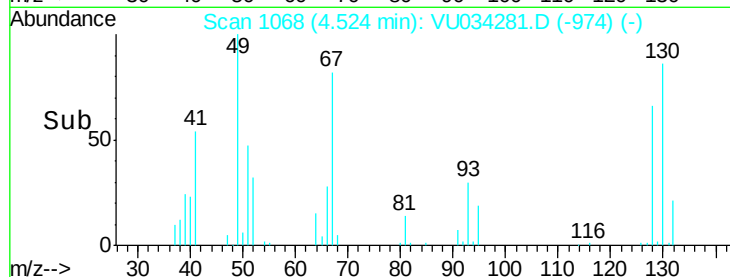
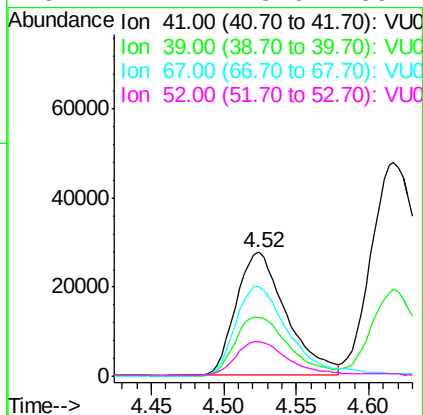
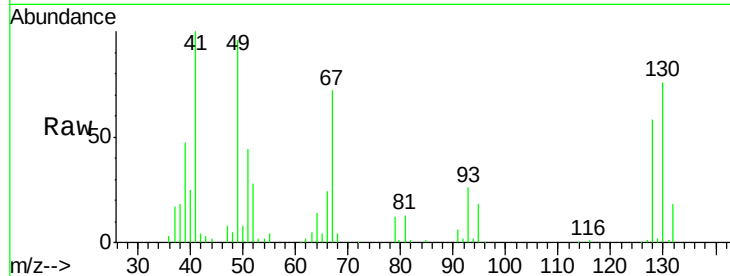
#41
Methacrylonitrile
Concen: 20.178 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.6	41.0	61.4	
67	79.1	62.4	93.6	
52	27.2	23.6	35.4	

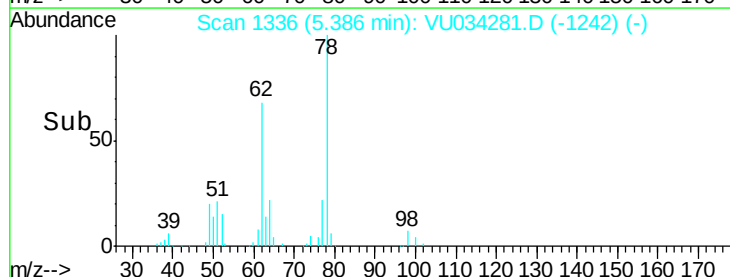
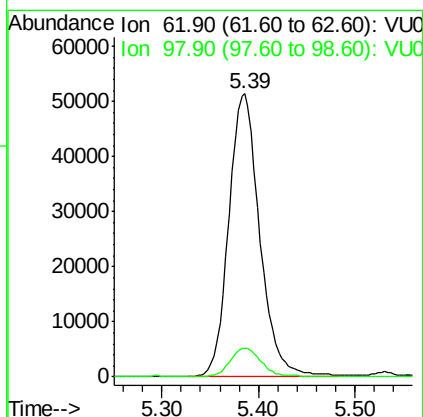
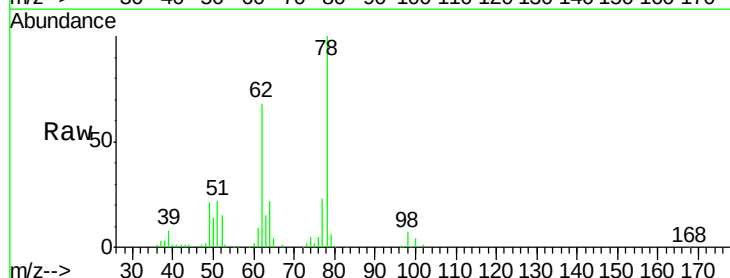
Manual Integrations
APPROVED

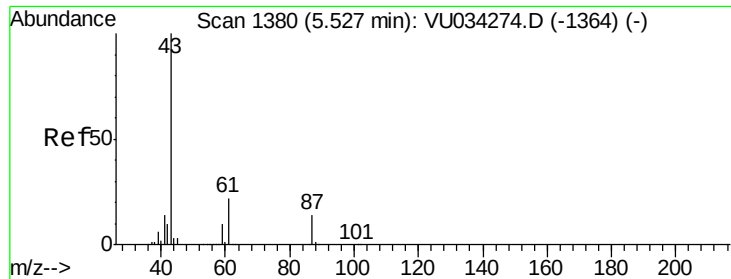
MMDadoda
9/6/2019 3:21:52 PM



#42
1,2-Dichloroethane
Concen: 19.360 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.0	





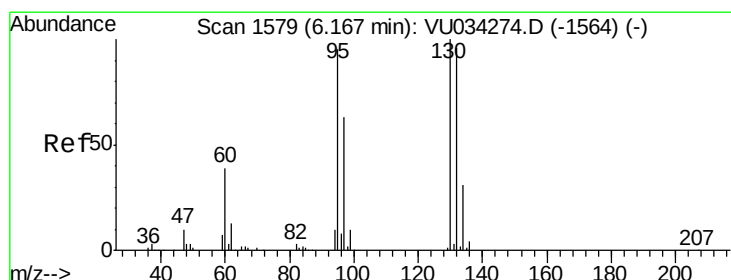
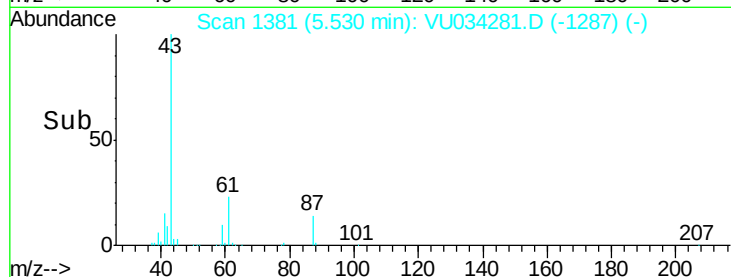
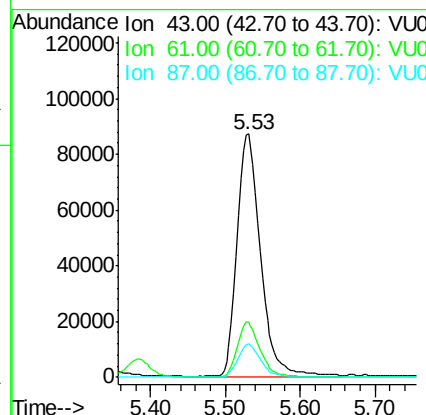
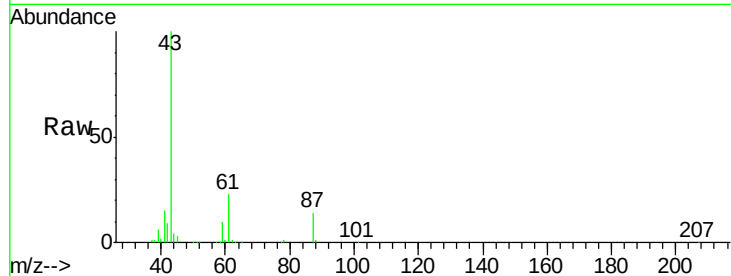
#43
Isopropyl Acetate
Concen: 19.744 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	192016		
61	21.9		17.1	25.7
87	13.4		11.1	16.7

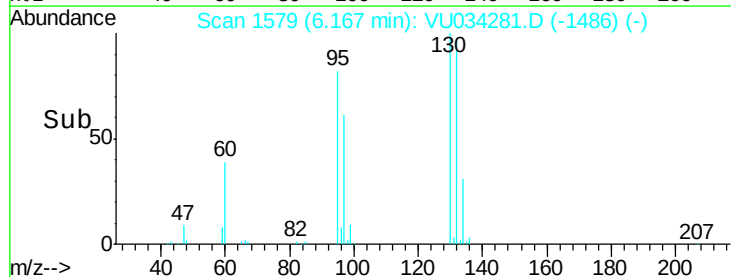
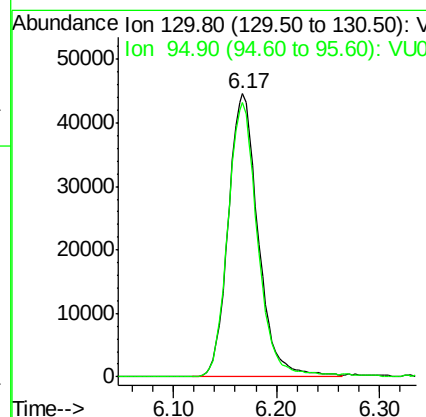
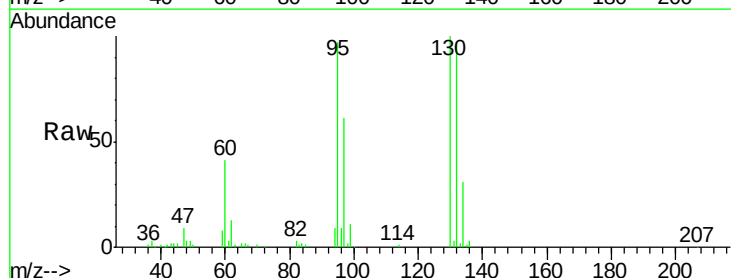
Manual Integrations
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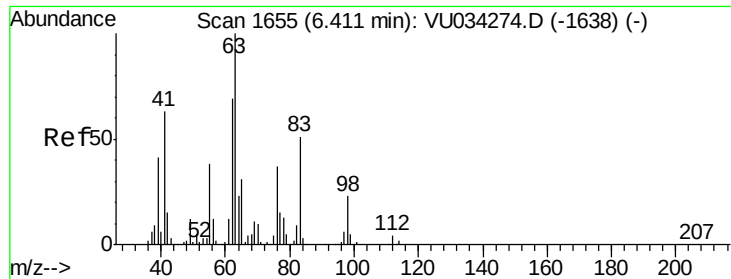
MMDadoda
9/6/2019 3:21:52 PM



#44
Trichloroethene
Concen: 19.182 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	90312		
95	96.8		0.0	189.2





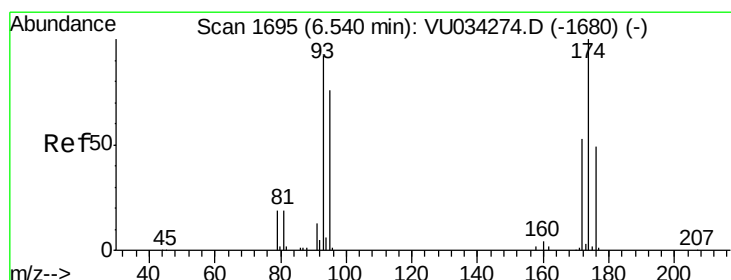
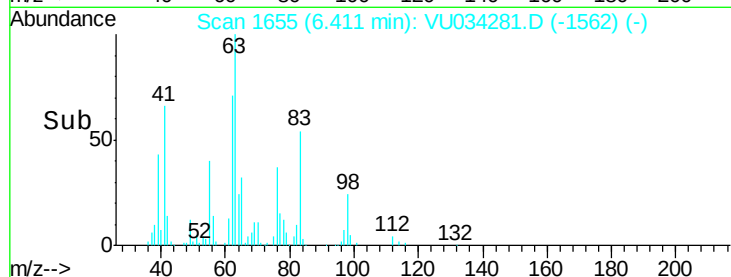
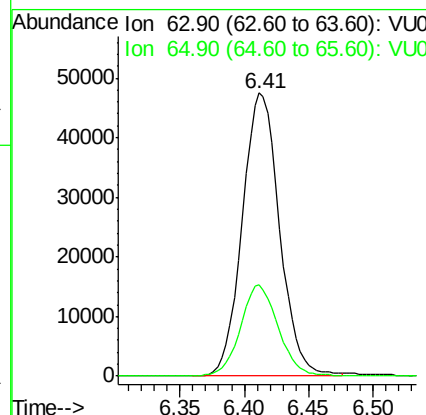
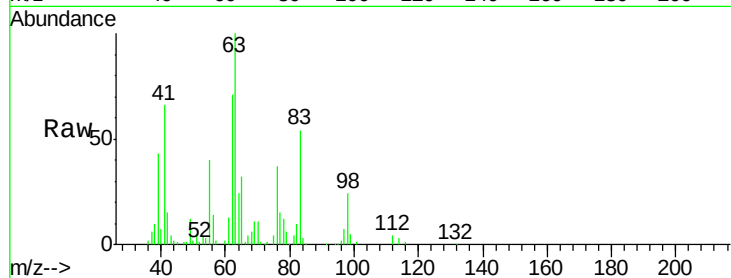
#45
 1,2-Dichloropropane
 Concen: 19.219 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion: 63 Resp: 95594
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 37.0

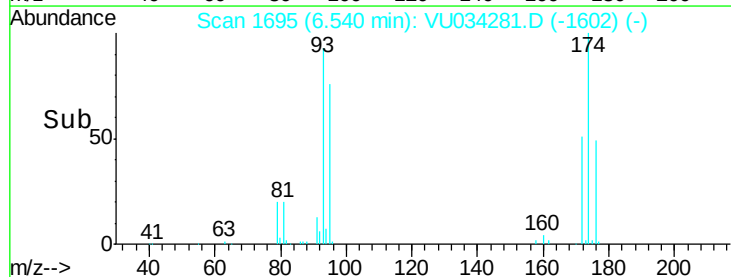
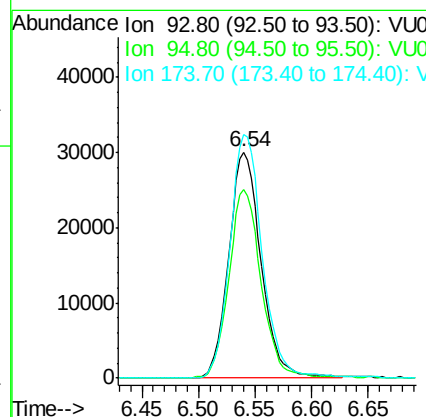
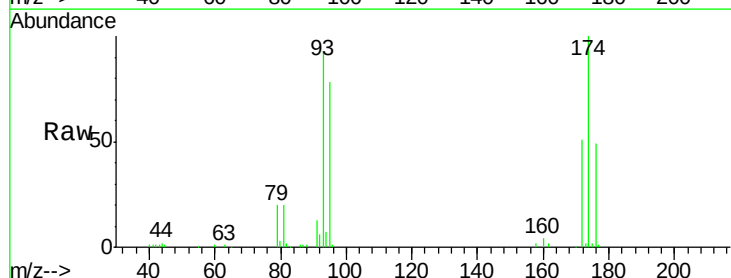
Manual Integrations
 APPROVED

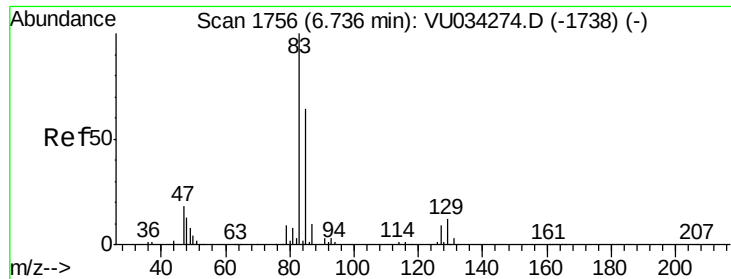
MMDadoda
 9/6/2019 3:21:52 PM



#46
 Dibromomethane
 Concen: 19.158 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion: 93 Resp: 59813
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 108.8 87.8 131.6





#47

Bromodichloromethane

Concen: 18.979 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

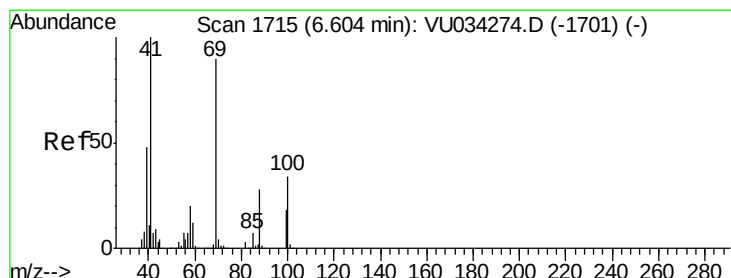
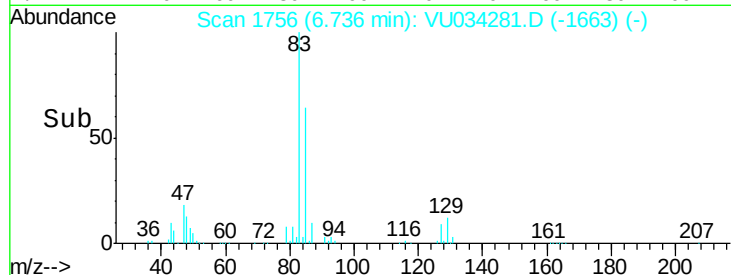
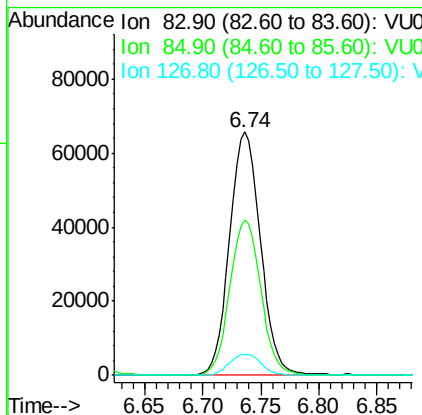
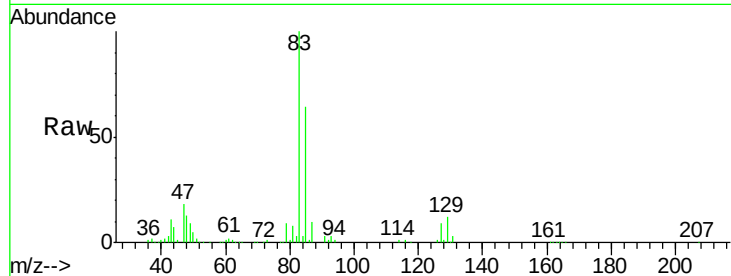
ClientSampleId :

VU0906WBS01

Tot Ion:	83	Resp:	121972
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.119 ug/l

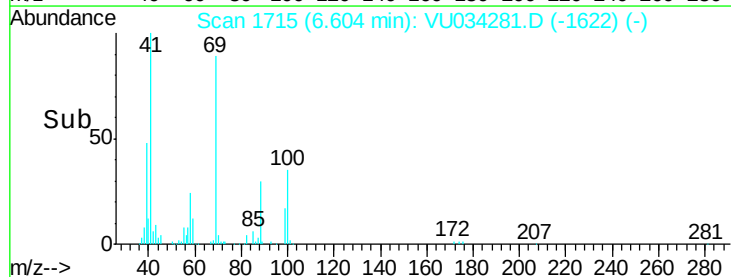
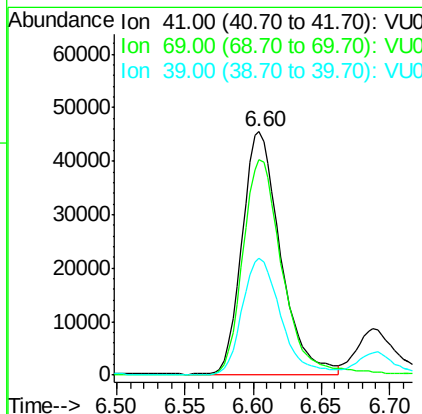
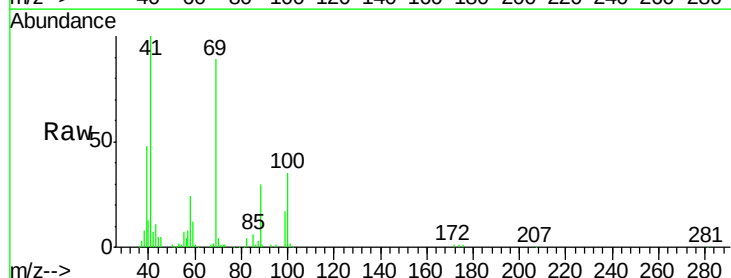
RT: 6.60 min Scan# 1715

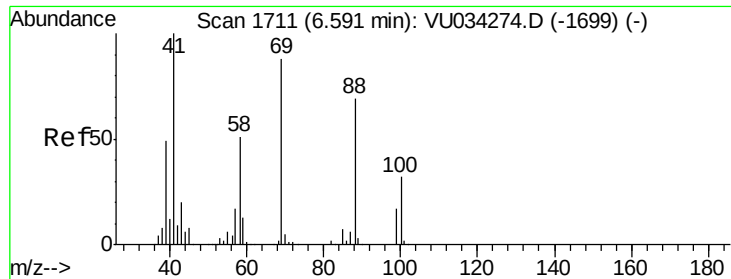
Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion:	41	Resp:	88311
Ion	Ratio	Lower	Upper
41	100		
69	92.0	72.8	109.2
39	47.9	38.6	58.0





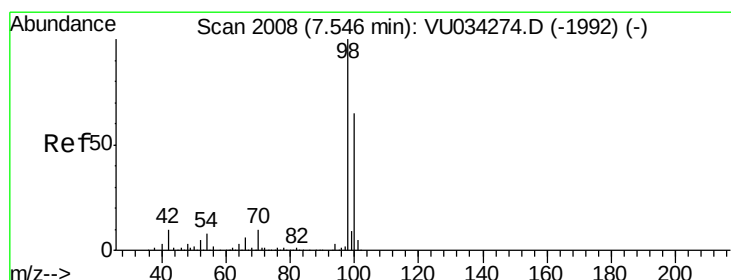
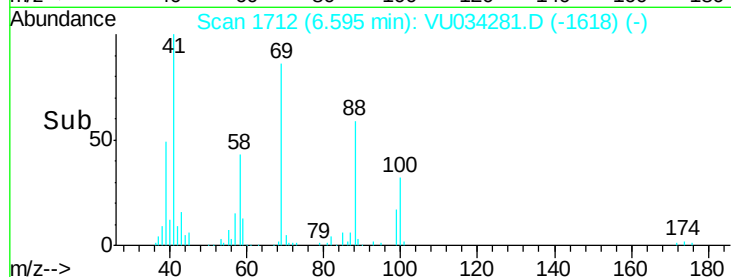
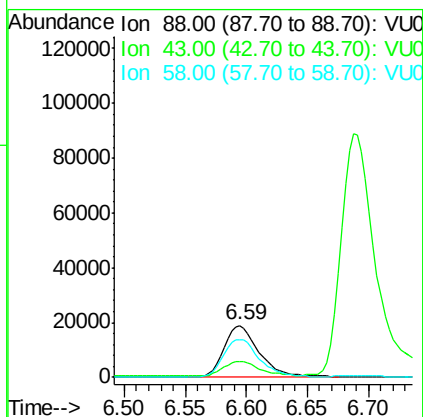
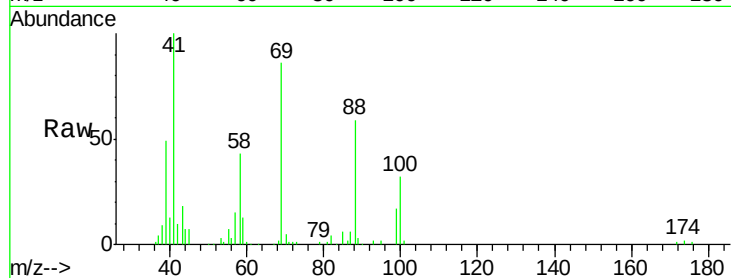
#49
1,4-Dioxane
Concen: 370.563 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.7	23.8	35.6	
58	77.3	58.4	87.6	

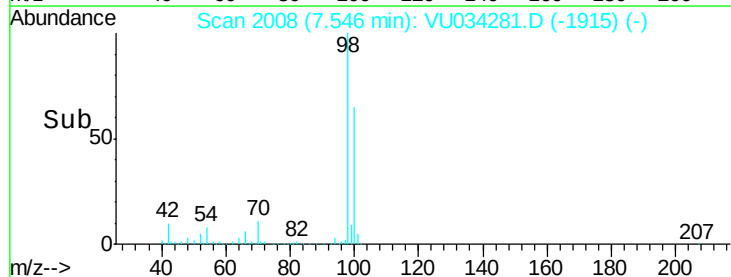
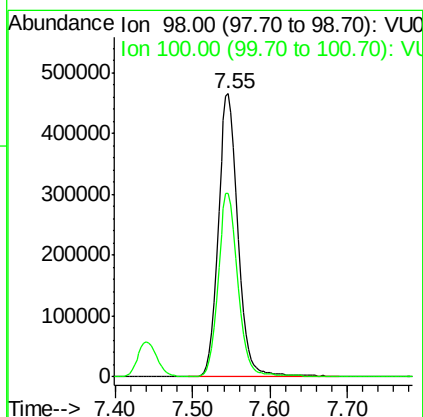
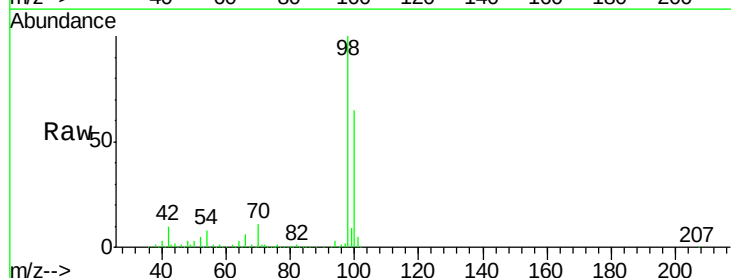
Manual Integrations
APPROVED

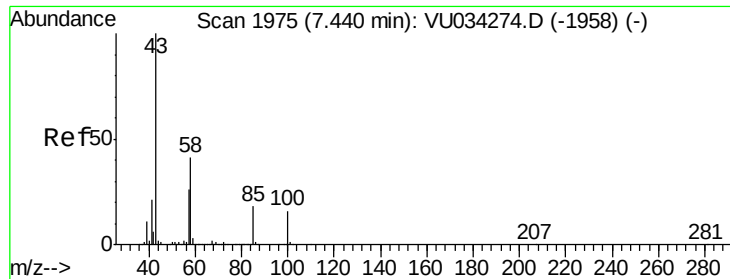
MMDadoda
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#50
Toluene-d8
Concen: 49.308 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.3	51.7	77.5	





#51

4-Methyl-2-Pentanone

Concen: 98.024 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 43 Resp: 659868

Ion Ratio Lower Upper

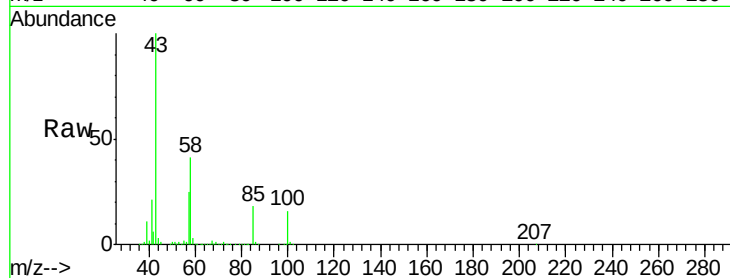
43 100

58 41.2 33.0 49.4

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Abundance Ion 43.00 (42.70 to 43.70): VU034281.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034281.D (-1882) (-)

7.44

400000

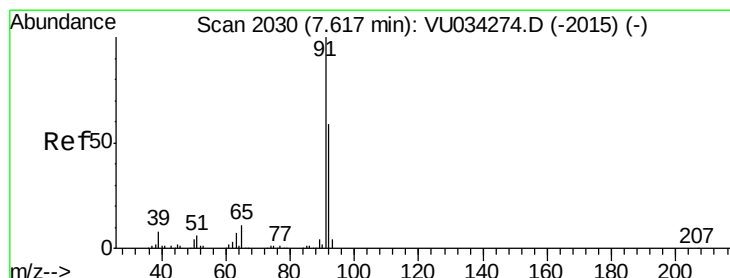
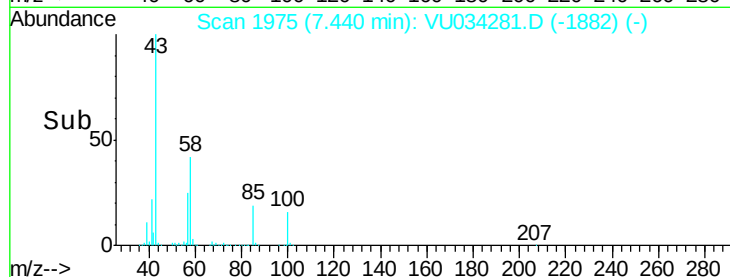
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.629 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034281.D

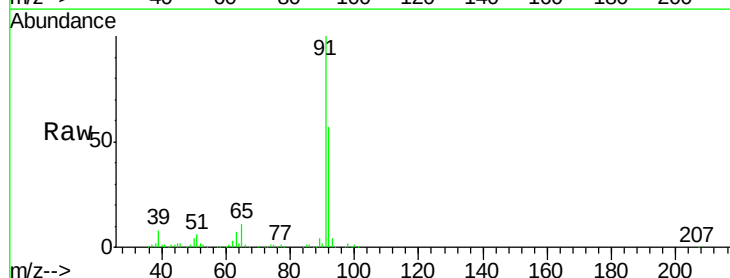
Acq: 05 Sep 2019 14:12

Tgt Ion: 92 Resp: 209493

Ion Ratio Lower Upper

92 100

91 174.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034281.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034281.D (-1937) (-)

7.62

200000

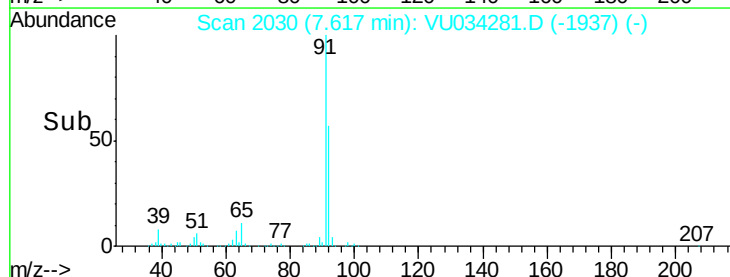
150000

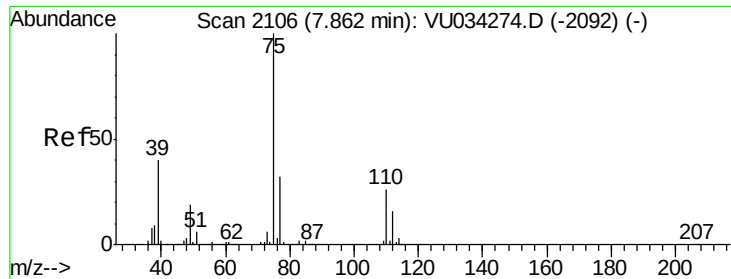
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.926 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 75 Resp: 126082

Ion Ratio Lower Upper

75 100

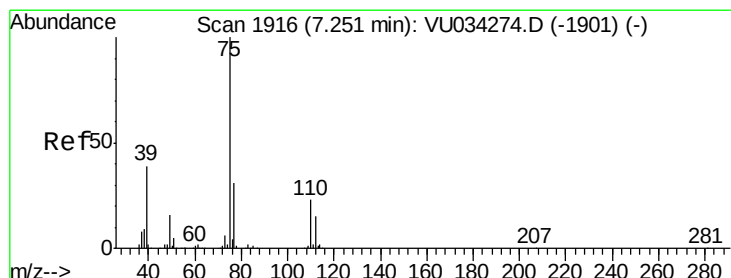
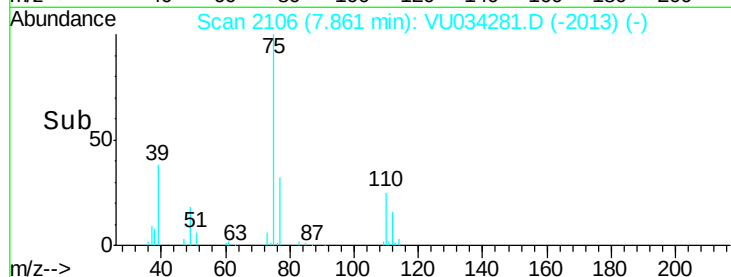
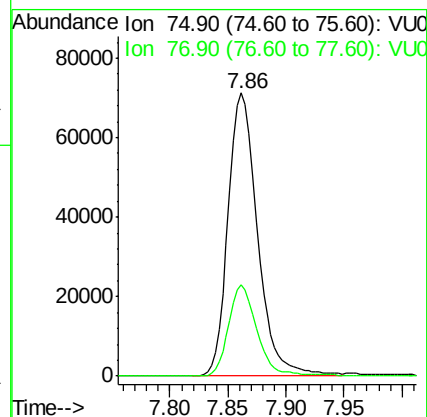
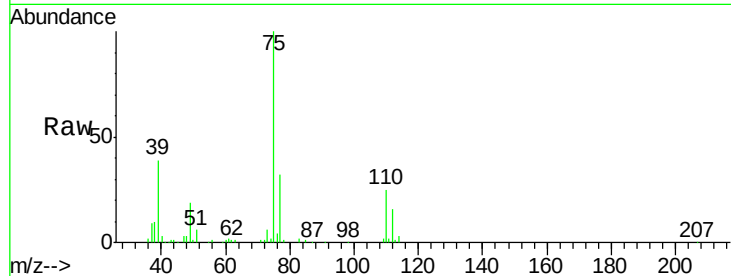
77 32.3 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 19.442 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

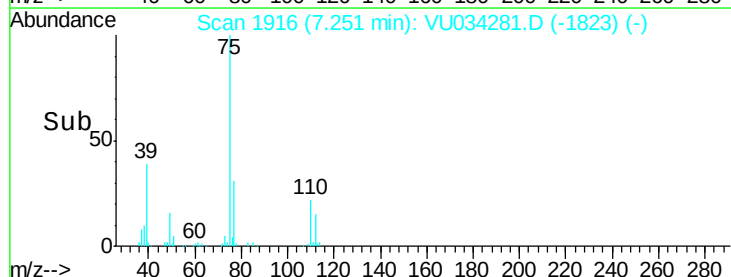
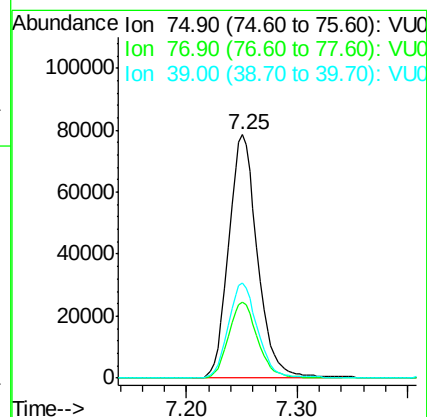
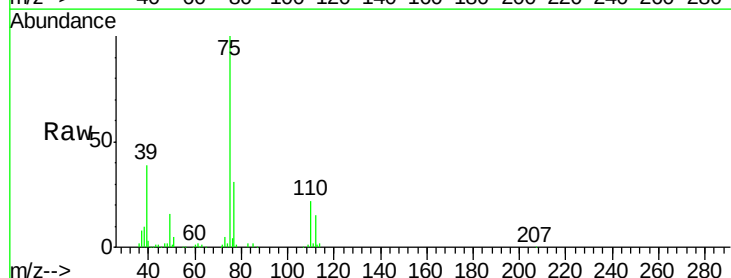
Tgt Ion: 75 Resp: 142152

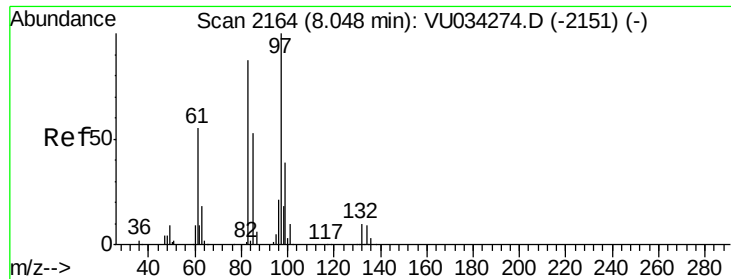
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 38.7 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 18.794 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

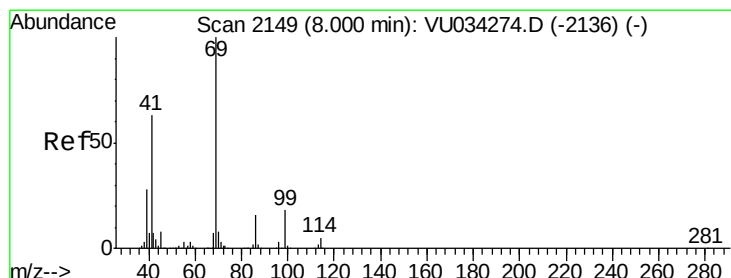
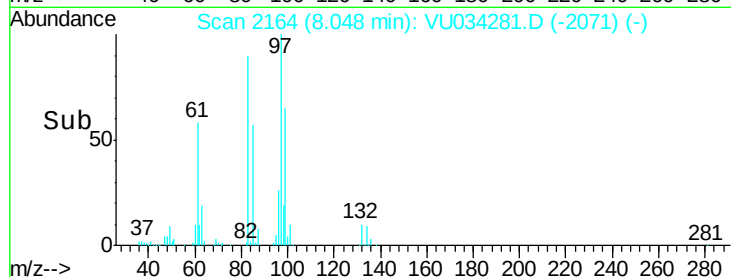
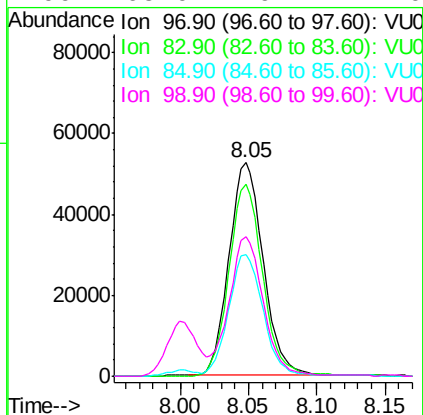
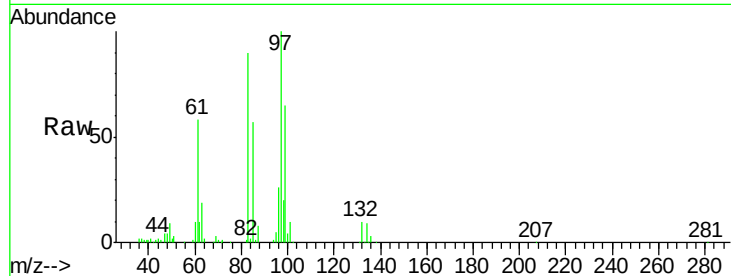
ClientSampleId :

VU0906WBS01

Tot Ion:	97	Resp:	91081
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.0	103.6
85	57.0	44.2	66.2
99	65.0	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.748 ug/l

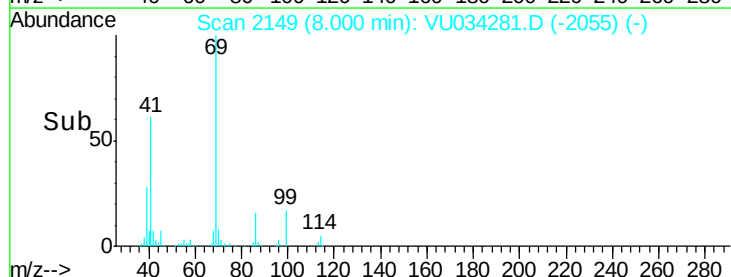
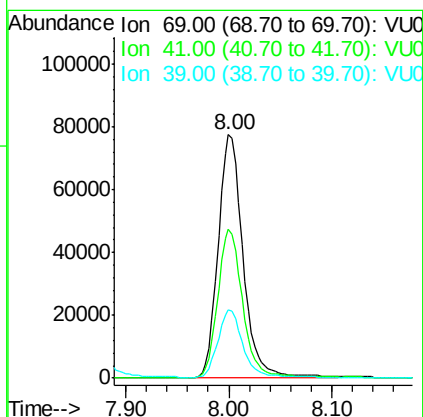
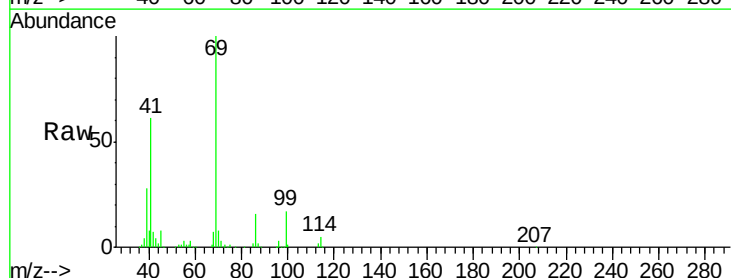
RT: 8.00 min Scan# 2149

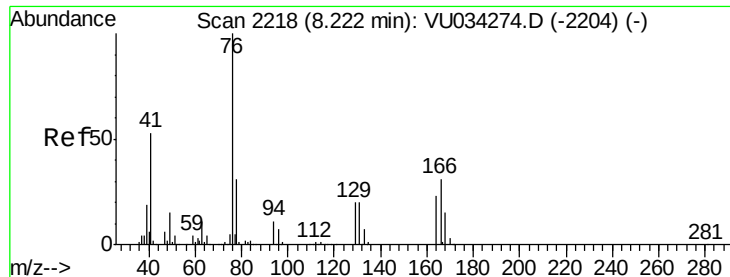
Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion:	69	Resp:	130801
Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.5	74.3
39	27.0	22.5	33.7





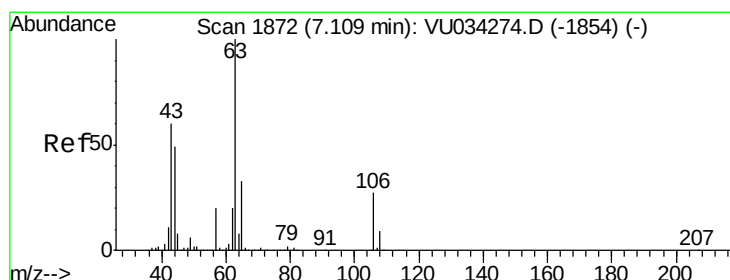
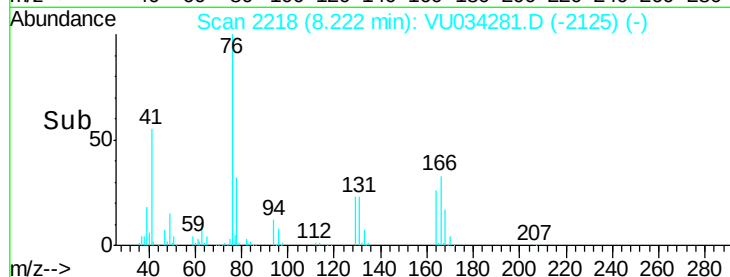
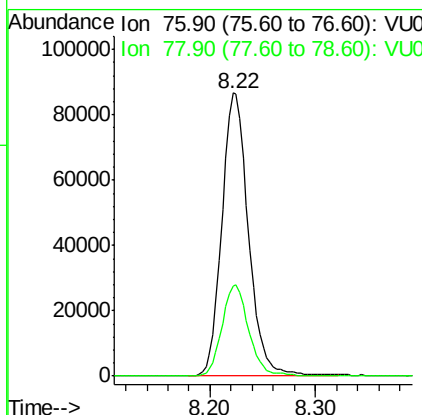
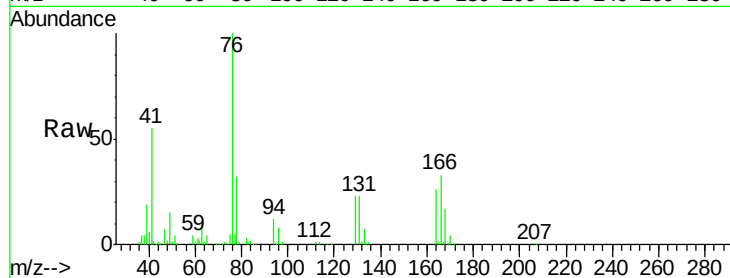
#57
 1,3-Dichloropropane
 Concen: 19.206 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampled :
 VU0906WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.2

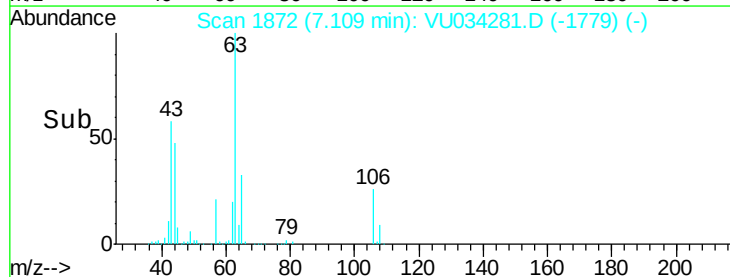
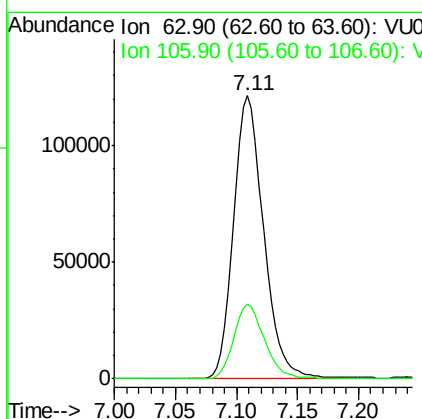
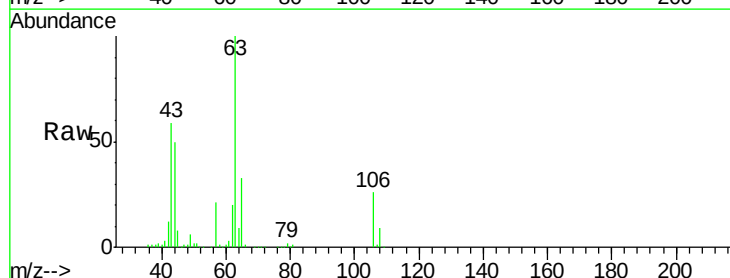
Manual Integrations
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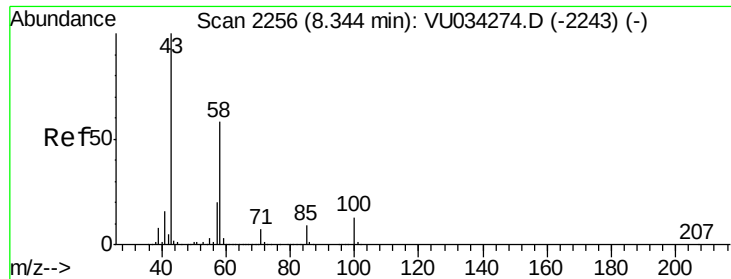
MMDadoda
 9/6/2019 3:21:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.738 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





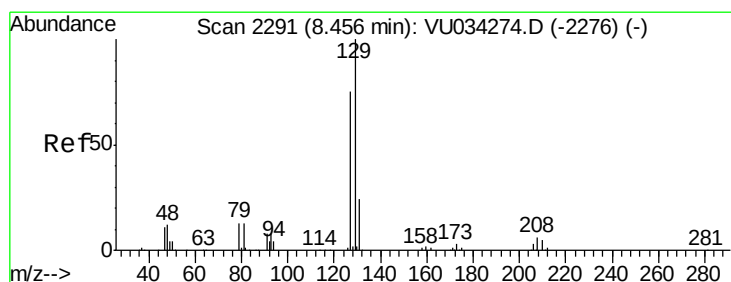
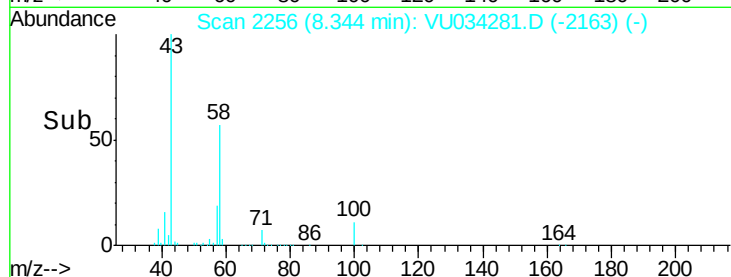
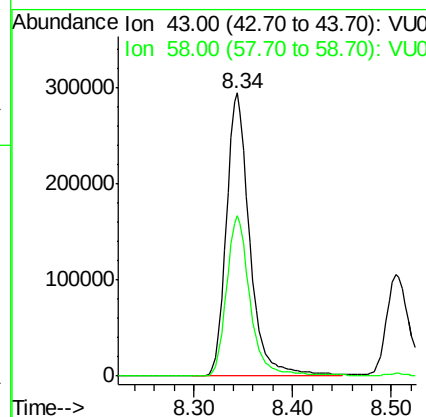
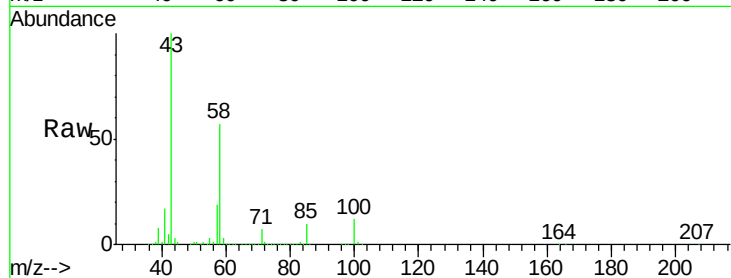
#59
2-Hexanone
Concen: 97.648 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.8	86.5

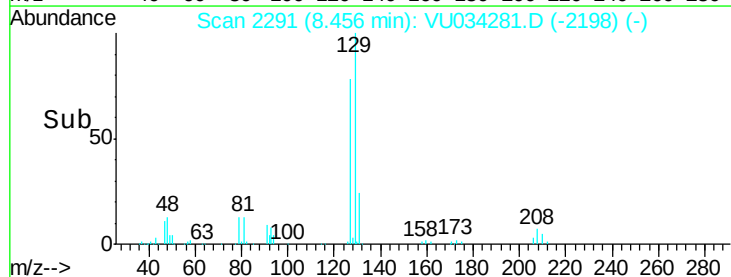
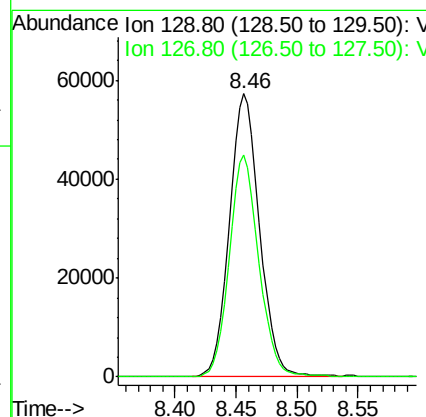
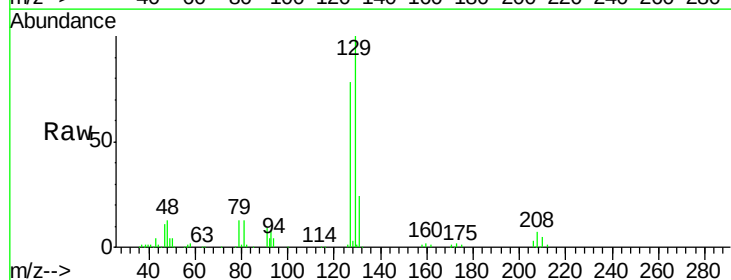
Manual Integrations
APPROVED

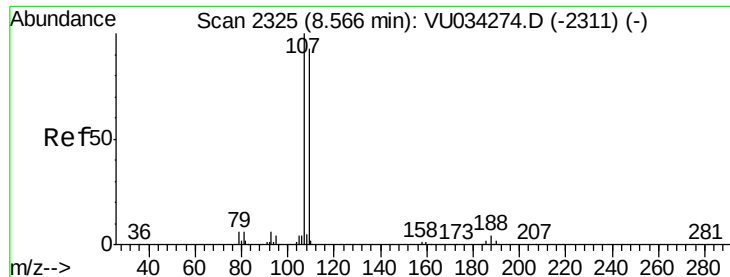
MMDadoda
9/6/2019 3:21:52 PM



#60
Dibromochloromethane
Concen: 19.107 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.9	113.7





#61

1,2-Dibromoethane

Concen: 19.515 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion:107 Resp: 92566

Ion Ratio Lower Upper

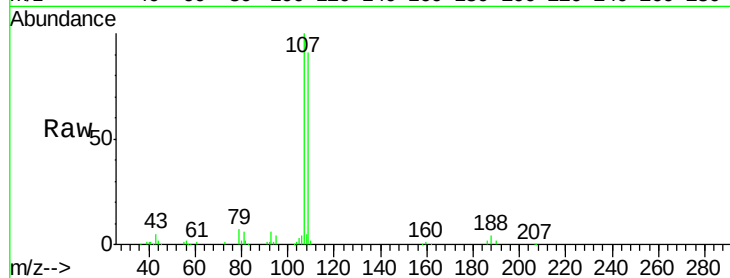
107 100

109 91.7 75.0 112.6

Manual Integrations
APPROVED

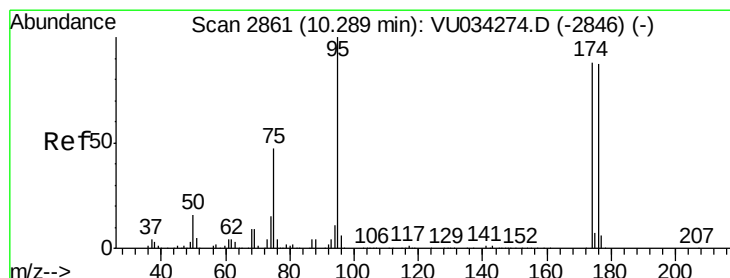
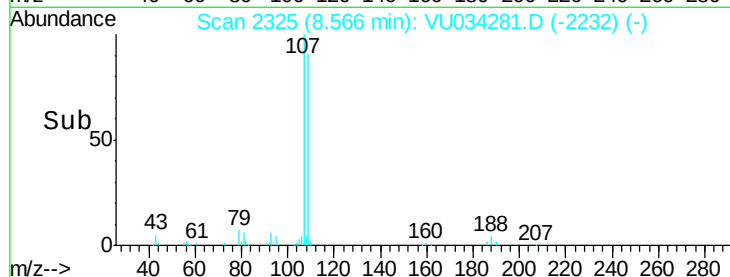
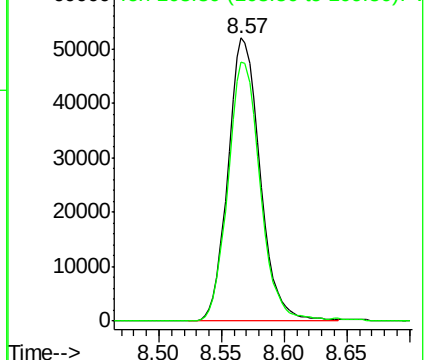
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

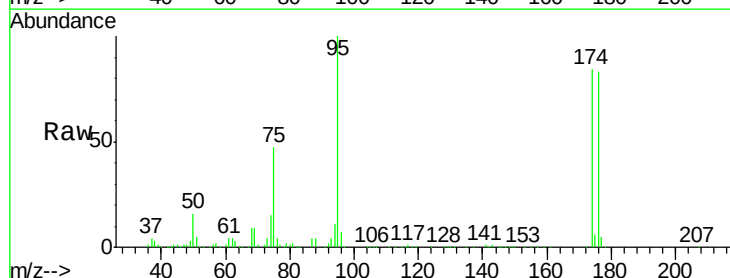
Tgt Ion: 95 Resp: 305351

Ion Ratio Lower Upper

95 100

174 86.6 0.0 175.2

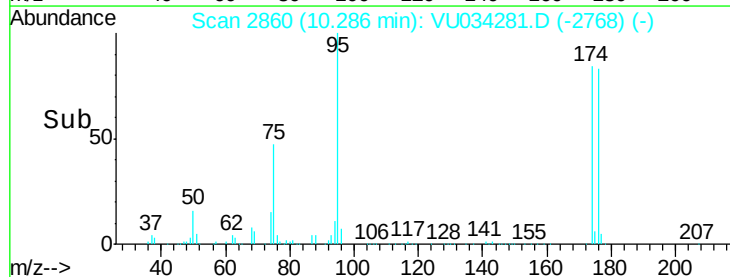
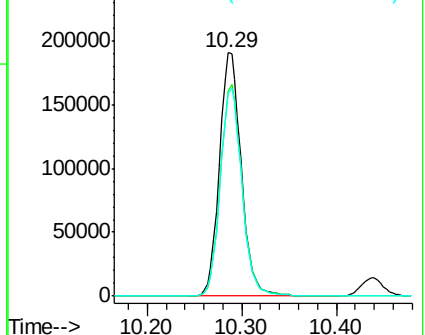
176 85.0 0.0 168.0

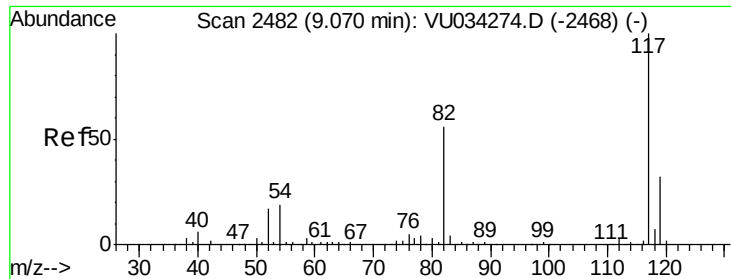


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





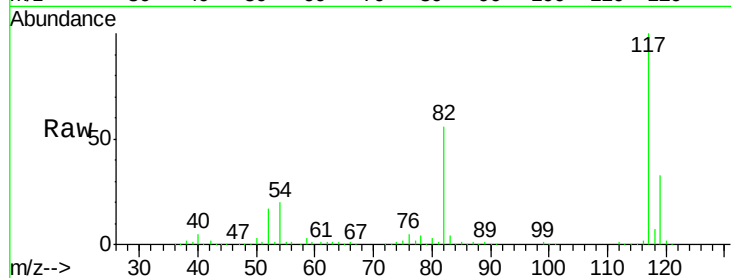
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

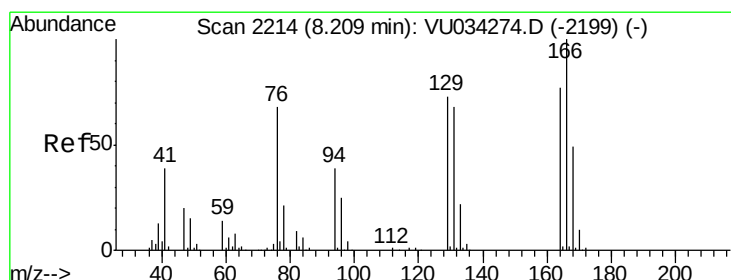
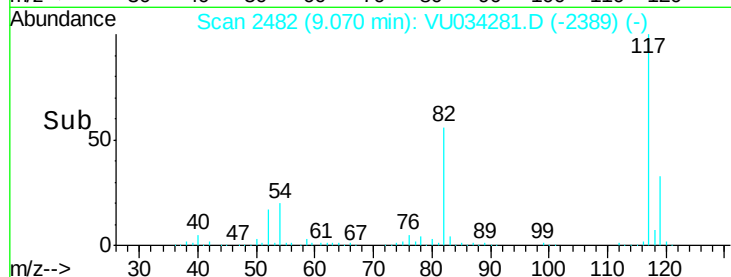
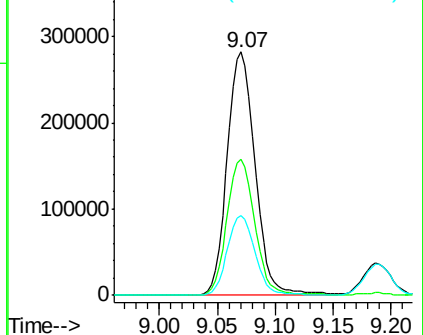
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.9	25.9	38.9

Manual Integrations
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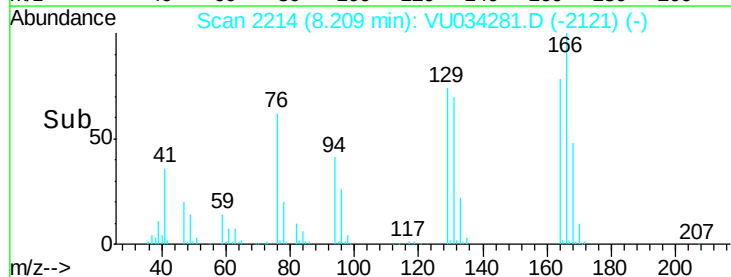
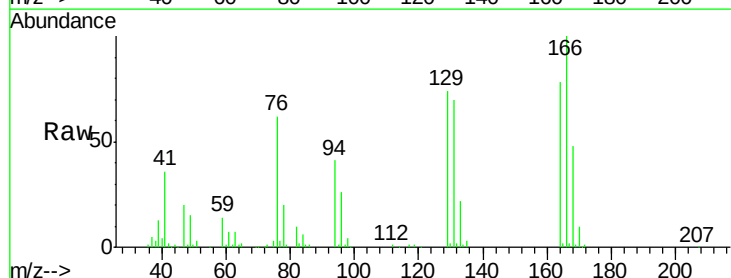
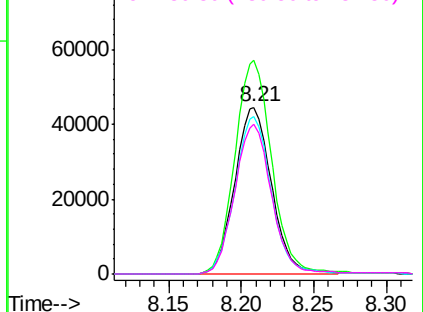
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

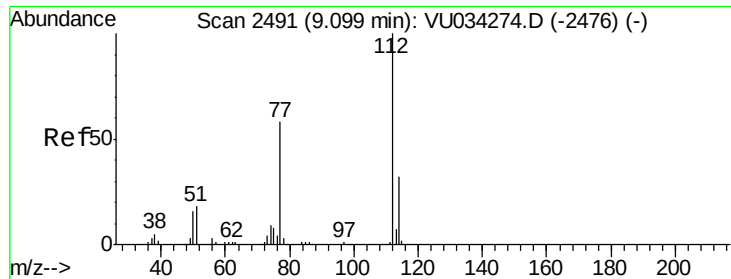


#64
Tetrachloroethene
Concen: 19.057 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.7	155.5
129	94.2	75.8	113.8
131	89.5	70.7	106.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





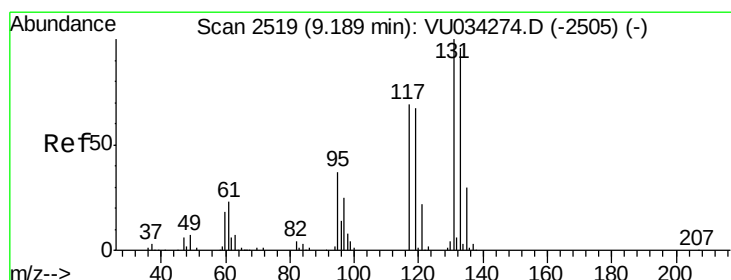
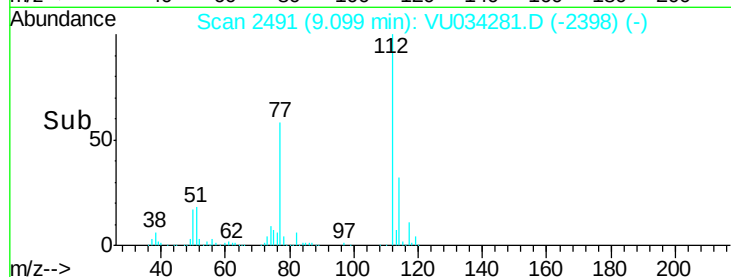
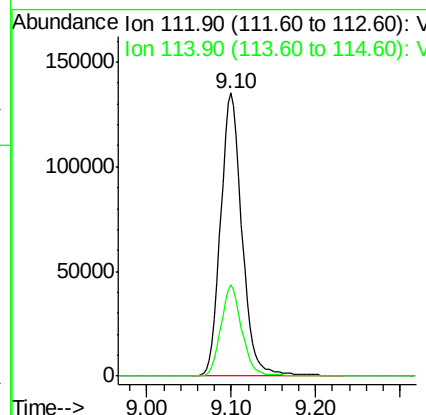
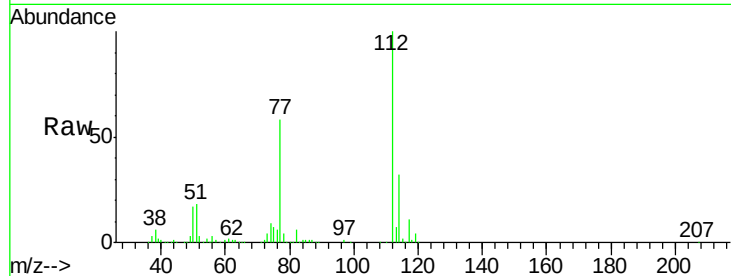
#65
Chlorobenzene
Concen: 19.869 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	239000		
114	32.1	25.9	38.9	

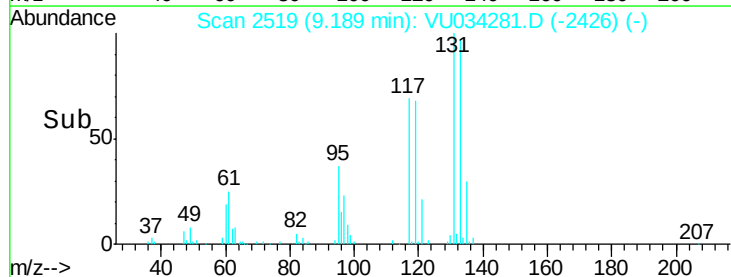
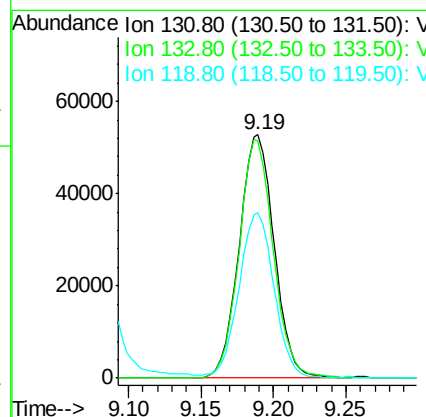
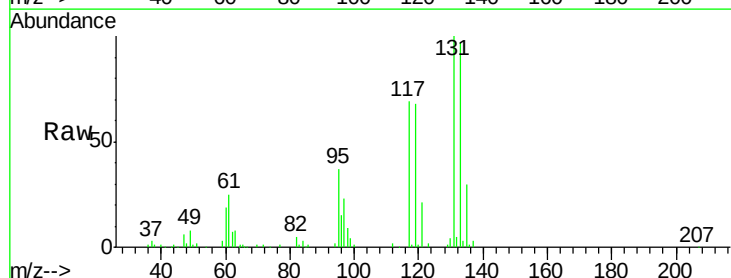
Manual Integrations
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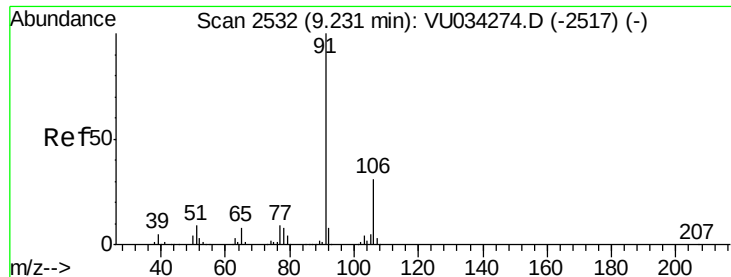
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.313 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	88660		
133	96.1	47.9	143.7	
119	67.5	33.1	99.5	





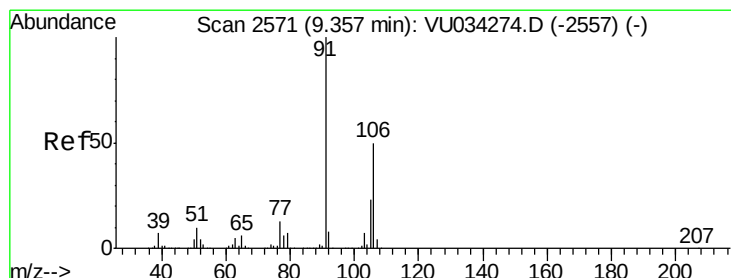
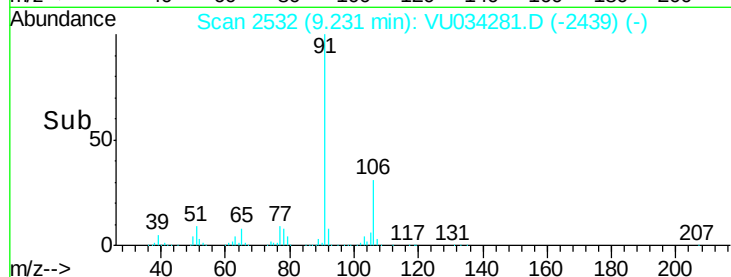
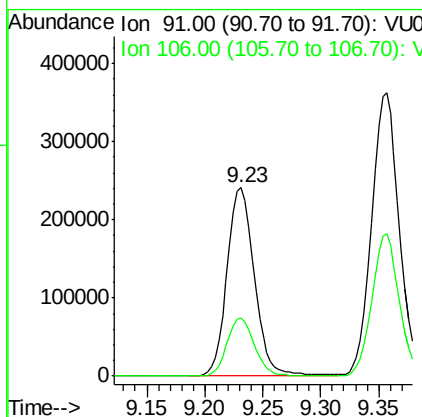
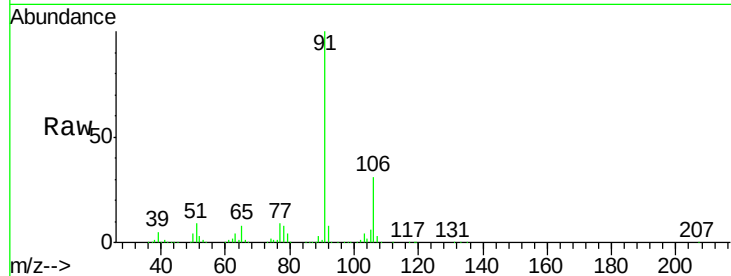
#67
Ethyl Benzene
Concen: 20.191 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	397115		
106	31.0	24.8	37.2	

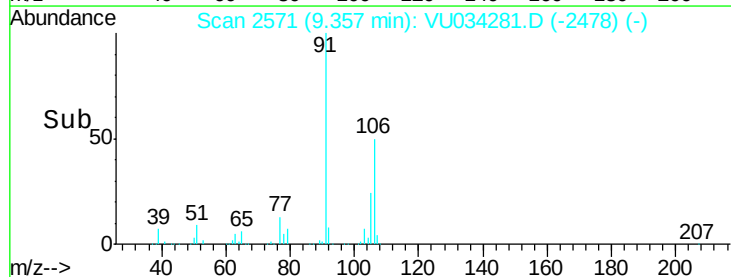
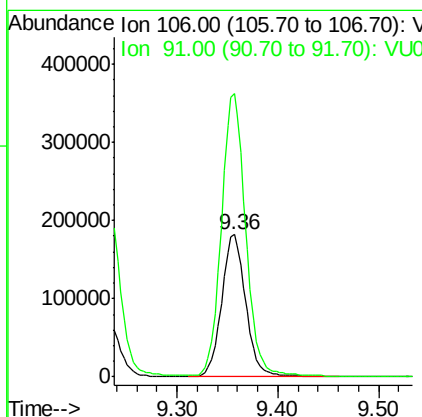
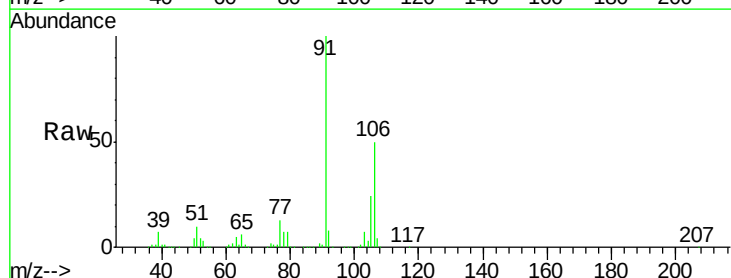
Manual Integrations
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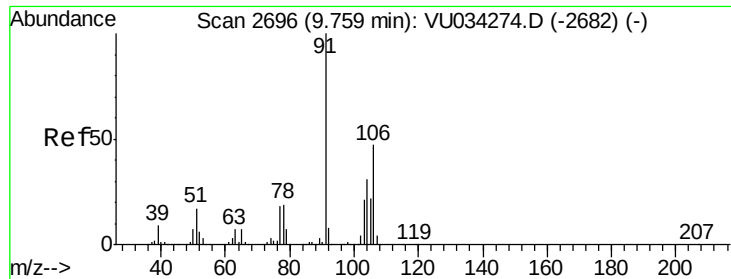
MMDadoda
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#68
m/p-Xylenes
Concen: 41.042 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	303963		
91	201.5	160.1	240.1	





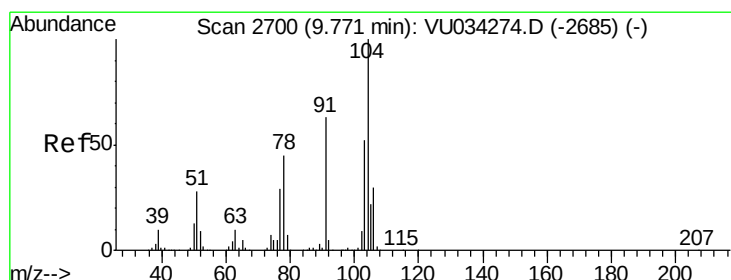
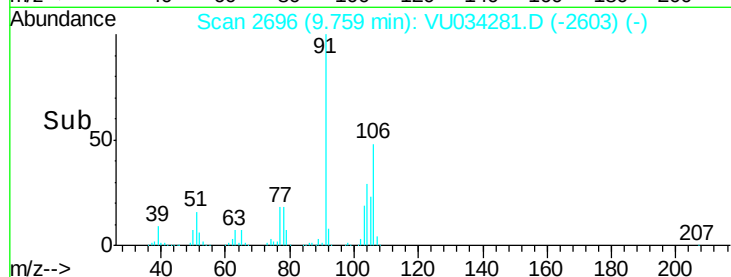
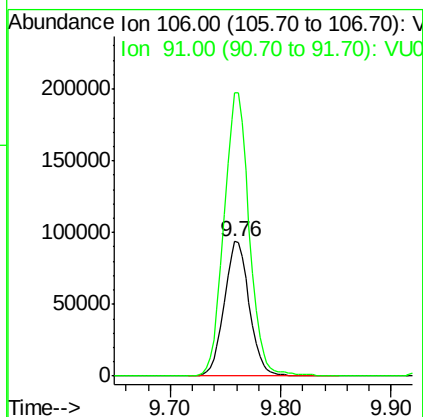
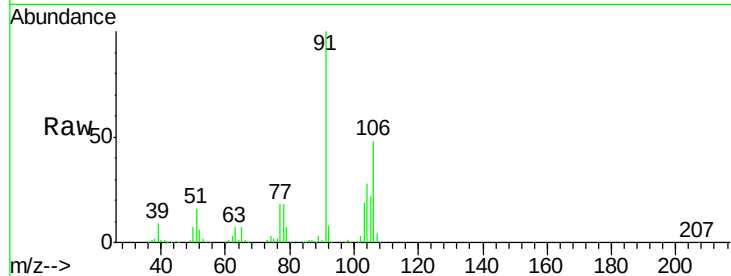
#69
o-Xylene
Concen: 20.586 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	105.1	315.3

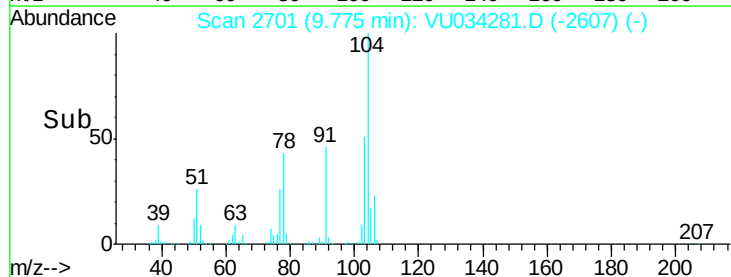
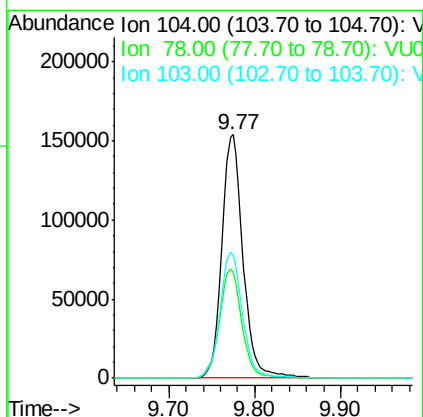
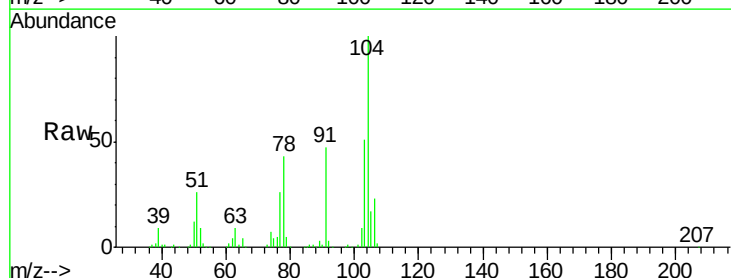
Manual Integrations
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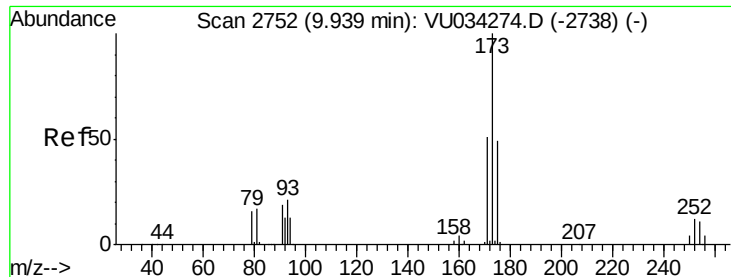
MMDadoda
9/6/2019 3:21:52 PM



#70
Styrene
Concen: 20.773 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.6	57.8
103	54.9	44.2	66.4





#71

Bromoform

Concen: 19.193 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion:173 Resp: 76358

Ion Ratio Lower Upper

173 100

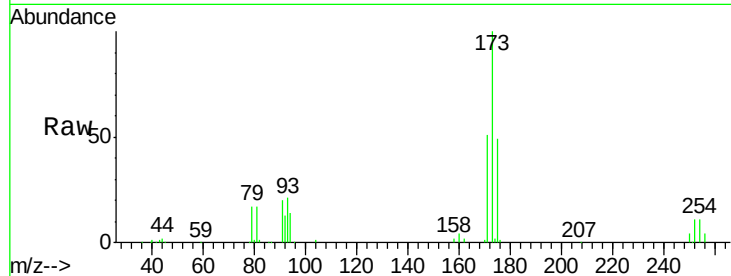
175 48.1 24.4 73.2

254 0.0 0.0 0.0

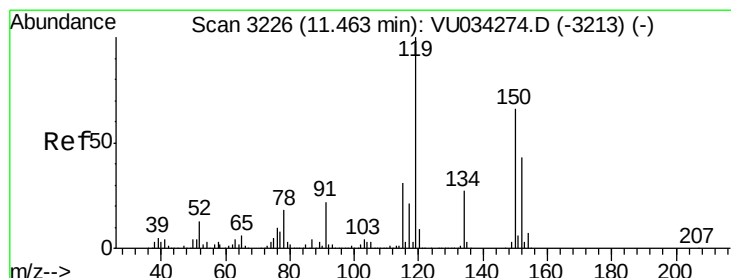
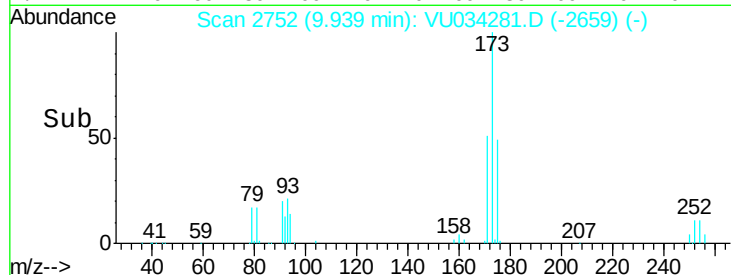
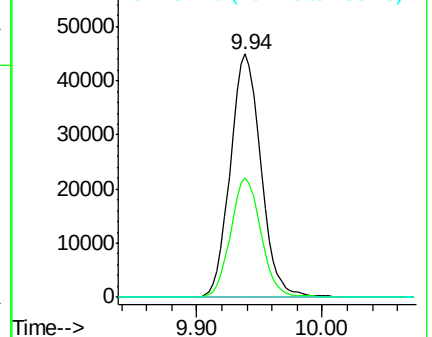
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

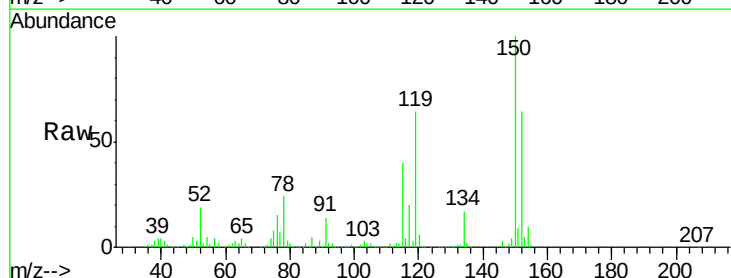
Tgt Ion:152 Resp: 311153

Ion Ratio Lower Upper

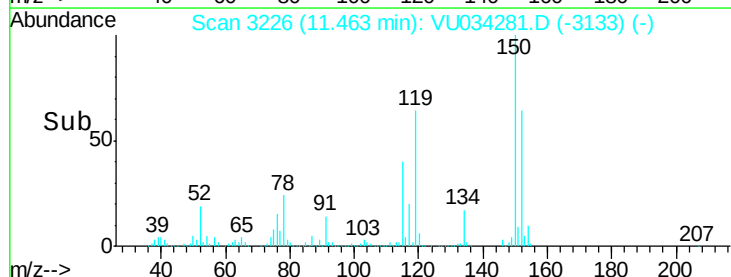
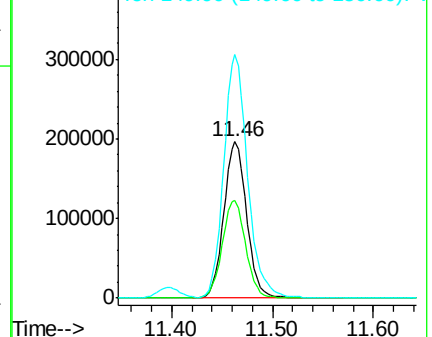
152 100

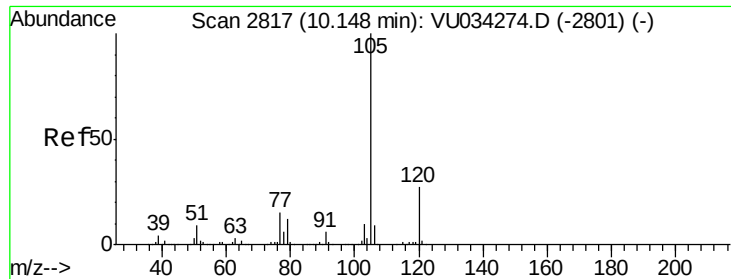
115 64.4 39.1 117.3

150 161.6 0.0 345.4



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





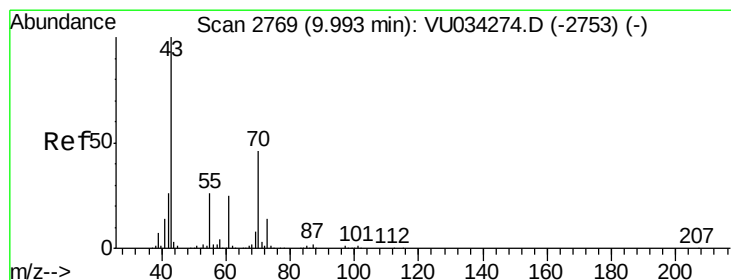
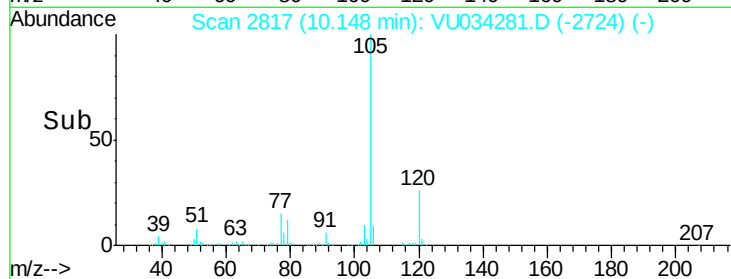
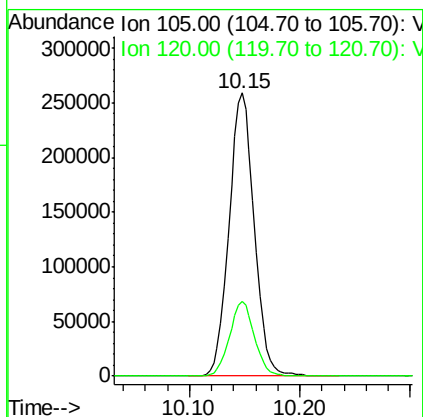
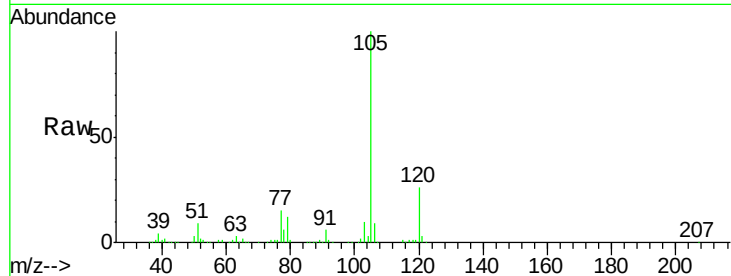
#73
Isopropylbenzene
Concen: 20.206 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.4	40.2

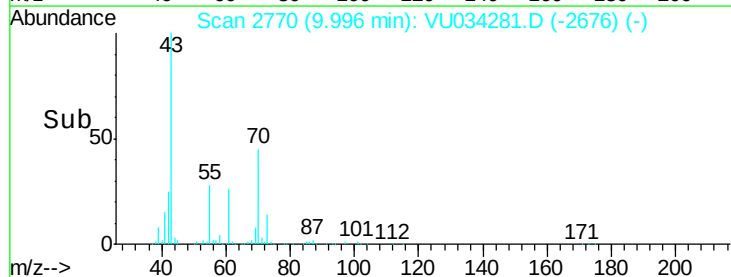
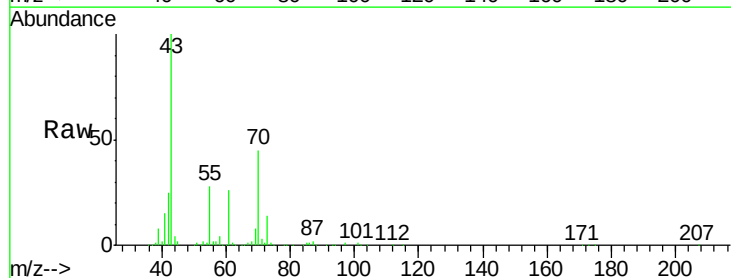
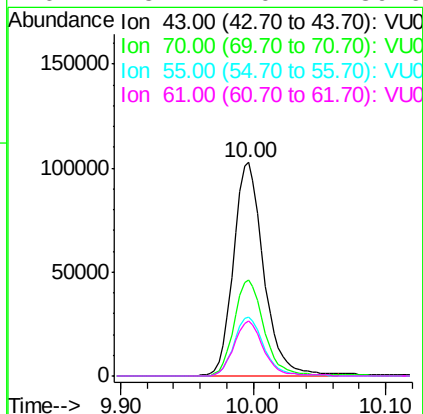
Manual Integrations
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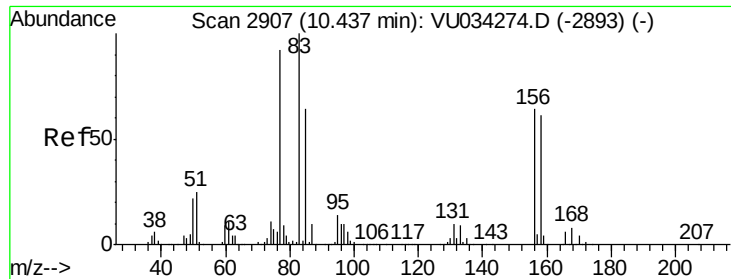
MMDadoda
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#74
N-ethyl acetate
Concen: 19.851 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.2	36.4	54.6
55	27.7	21.2	31.8
61	25.7	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.155 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

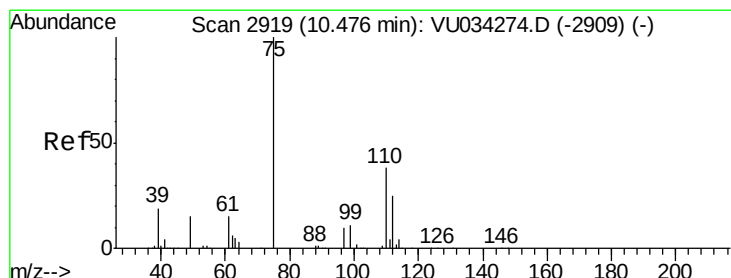
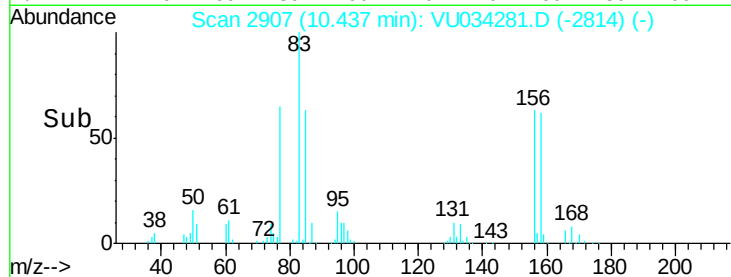
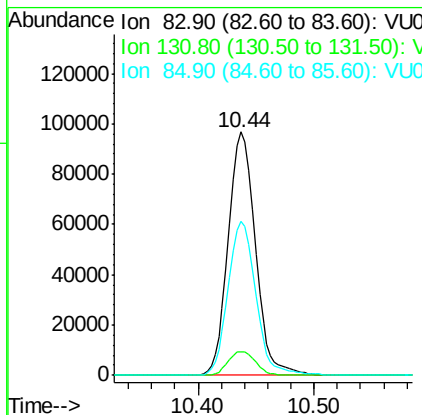
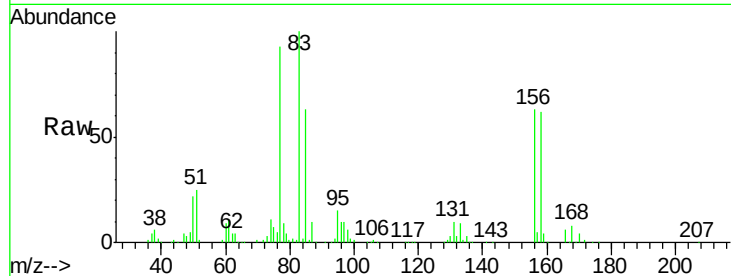
ClientSampleId :

VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157004		
131	9.9	5.1	15.2	
85	64.7	32.0	96.2	

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.964 ug/l m

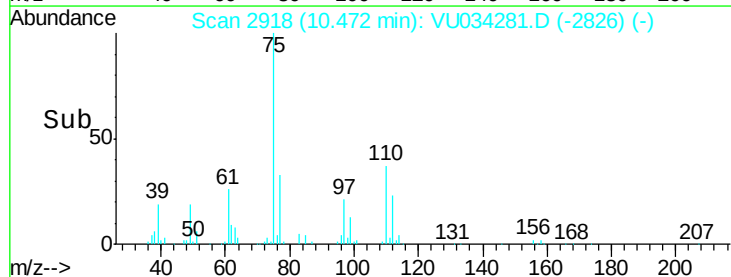
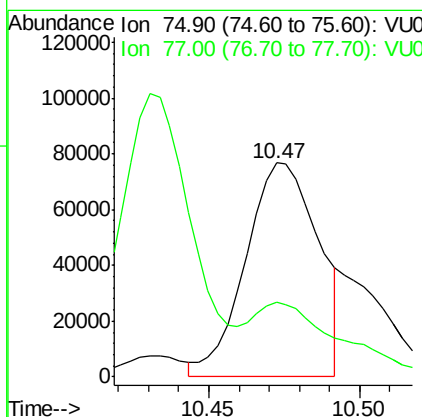
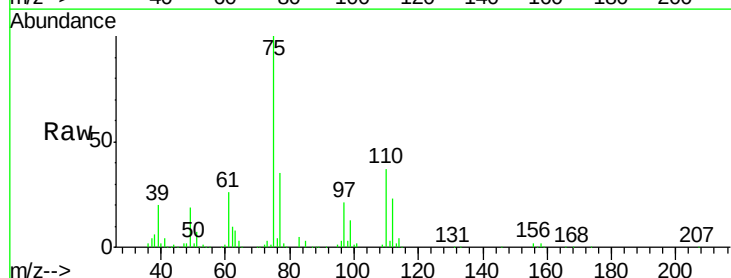
RT: 10.47 min Scan# 2918

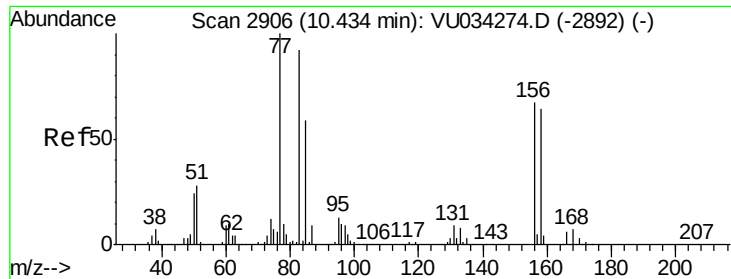
Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128801		
77	43.2	20.8	62.2	





#77

Bromobenzene

Concen: 19.550 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

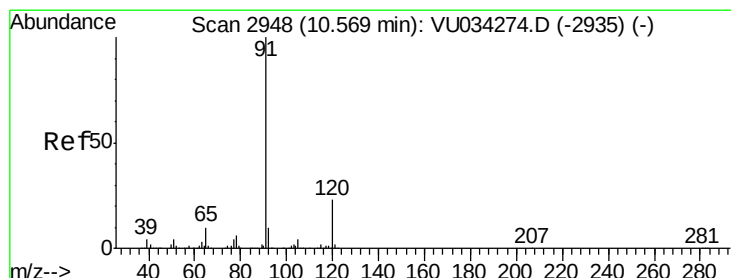
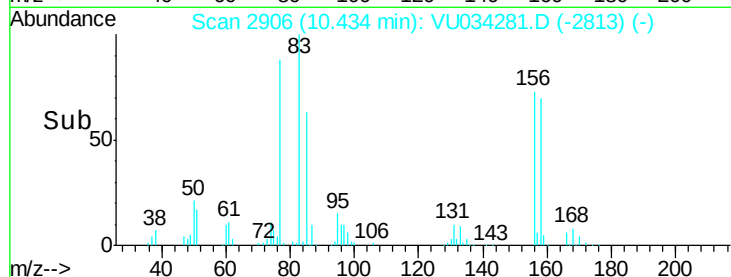
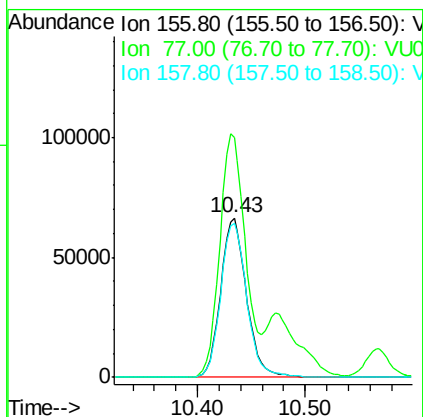
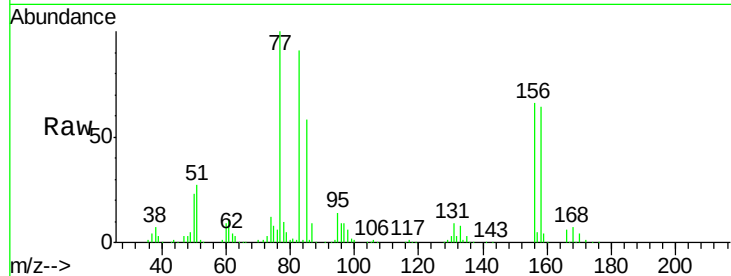
ClientSampleId :

VU0906WBS01

Tot Ion:	156	Resp:	110691
Ion Ratio	Lower	Upper	
156	100		
77	152.3	75.6	226.9
158	97.6	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.016 ug/l

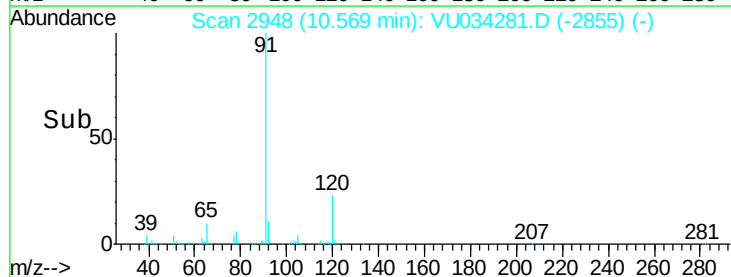
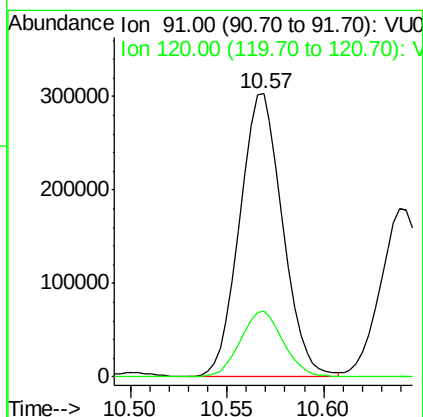
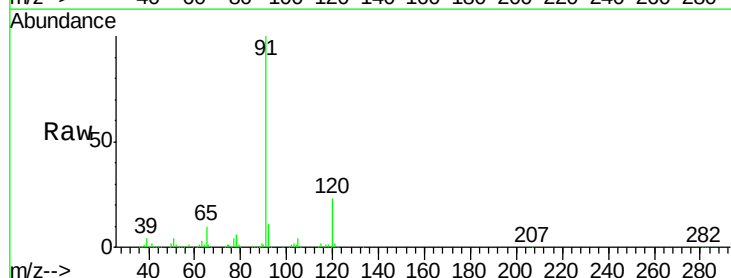
RT: 10.57 min Scan# 2948

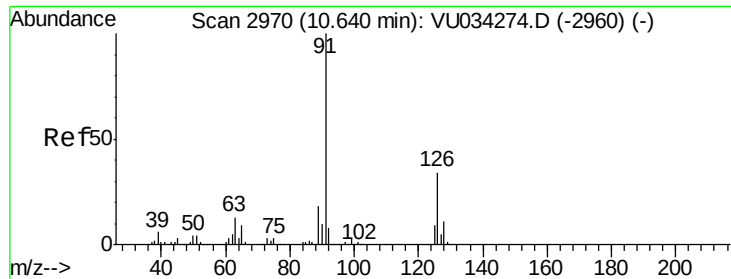
Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Tgt Ion:	91	Resp:	468090
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.214 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion: 91 Resp: 288440

Ion Ratio Lower Upper

91 100

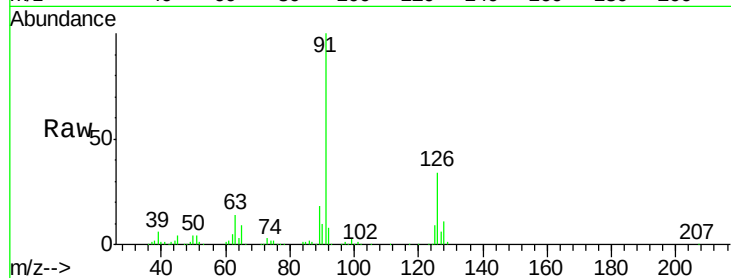
126 34.6 17.3 51.9

Manual Integrations

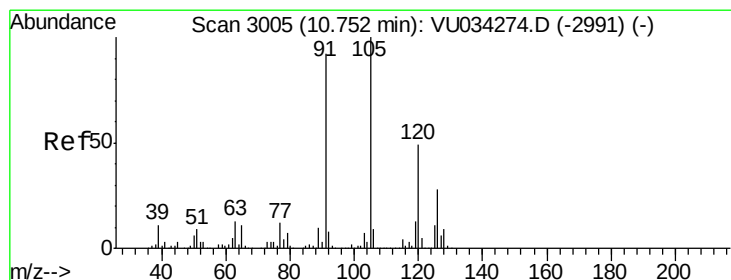
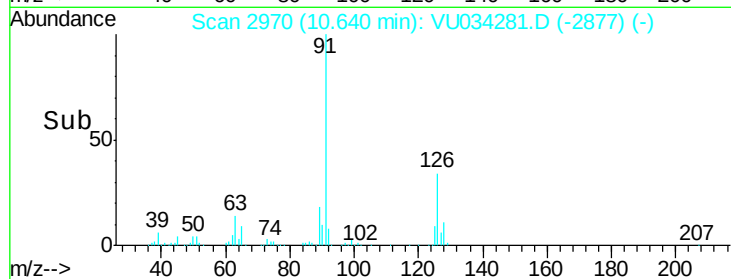
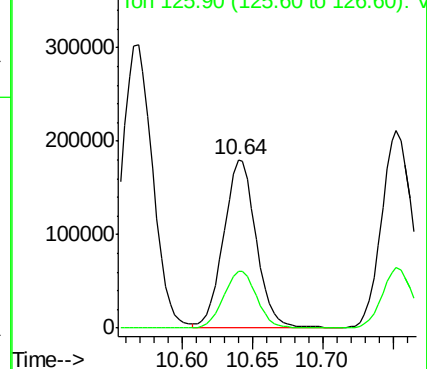
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Abundance Ion 91.00 (90.70 to 91.70): VU034281.D (-2877) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.100 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034281.D

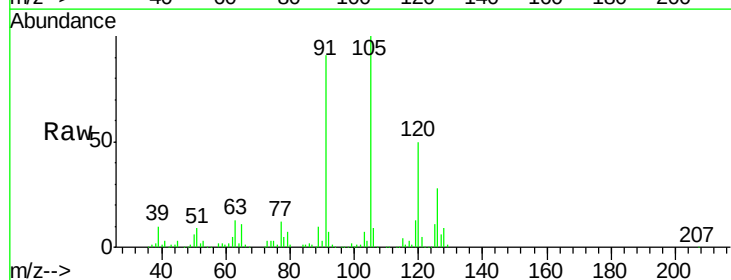
Acq: 05 Sep 2019 14:12

Tgt Ion: 105 Resp: 357331

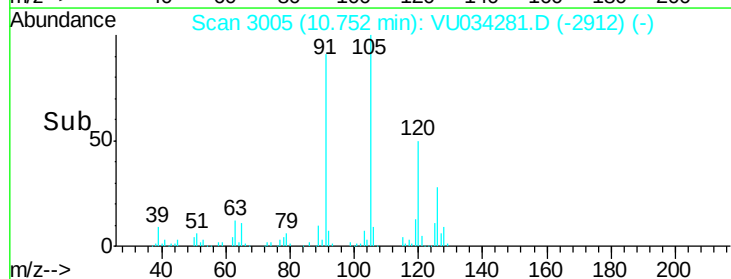
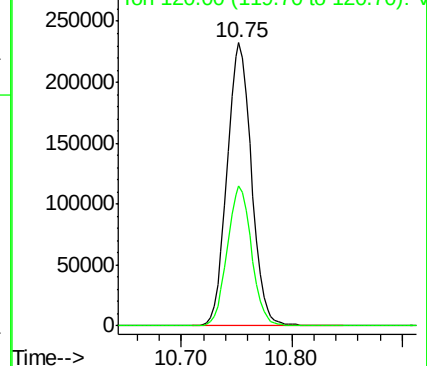
Ion Ratio Lower Upper

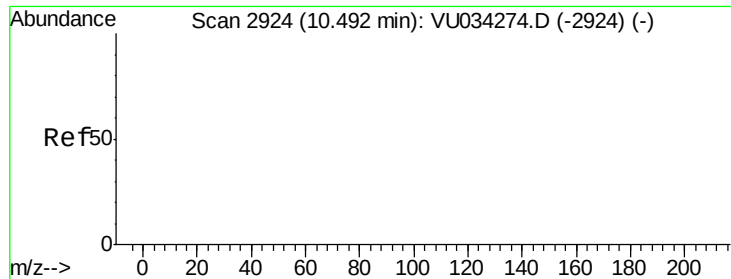
105 100

120 49.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034281.D (-2912) (-)





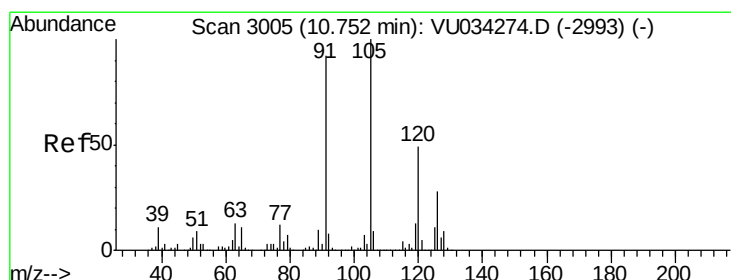
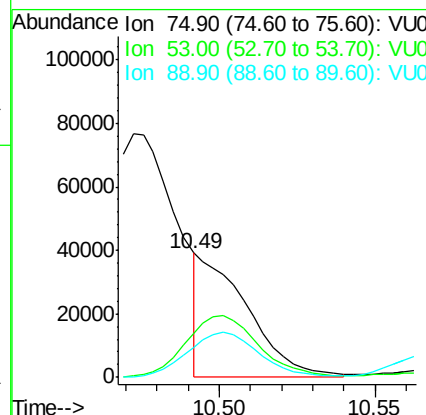
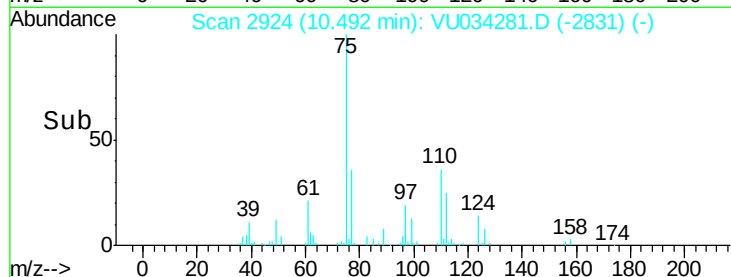
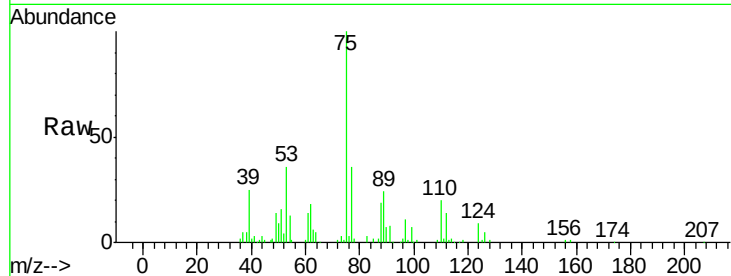
#81
trans-1,4-Dichloro-2-butene
Concen: 20.897 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampled :
VU0906WBS01

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

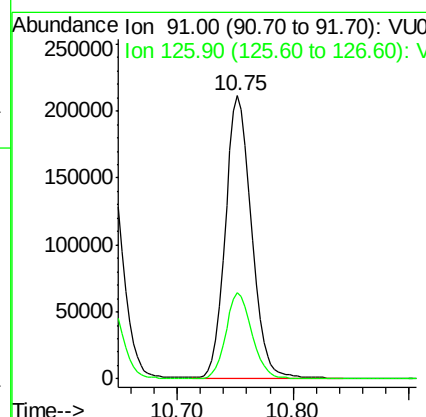
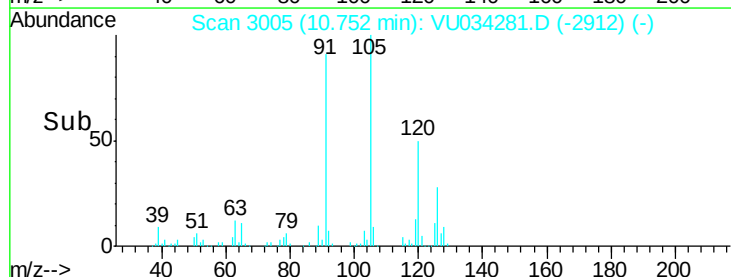
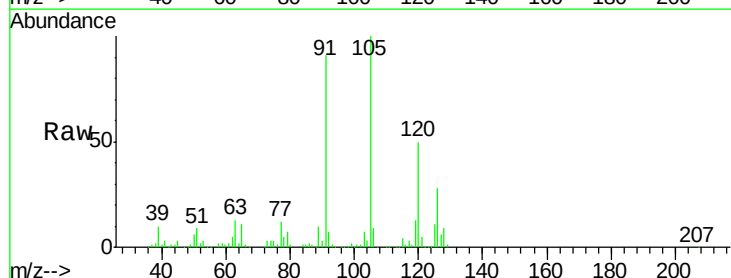
Manual Integrations
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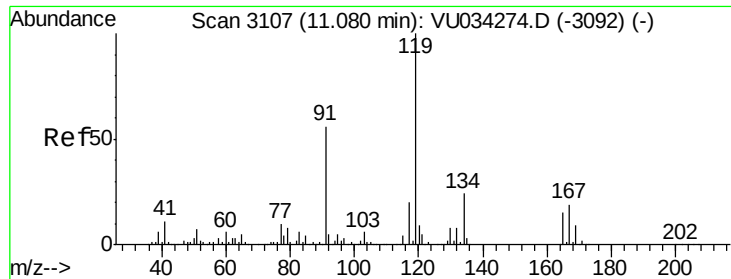
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.143 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8





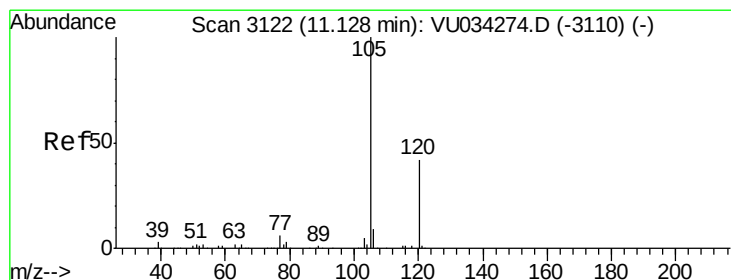
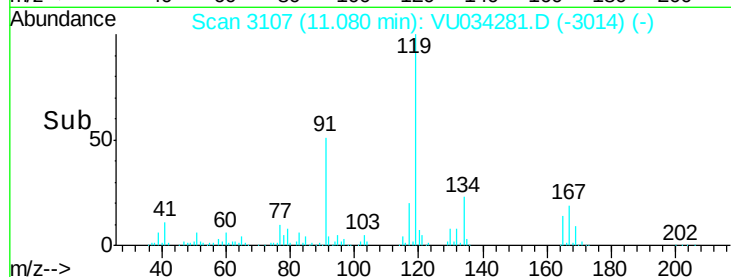
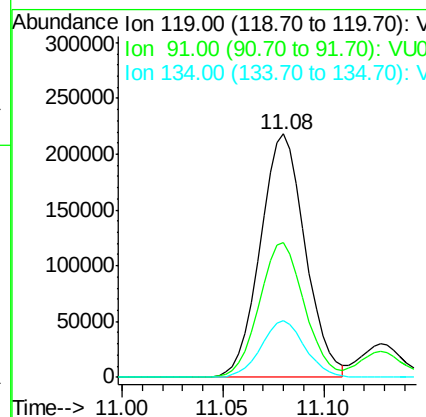
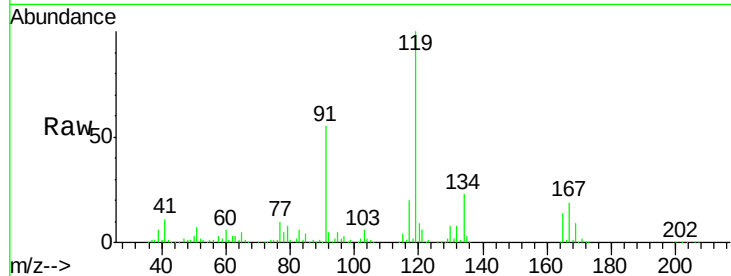
#83
 tert-Butylbenzene
 Concen: 19.977 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	338438		
91	55.7	27.8	83.4	
134	22.9	11.7	35.0	

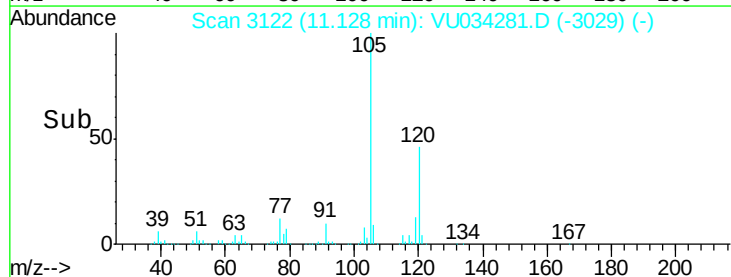
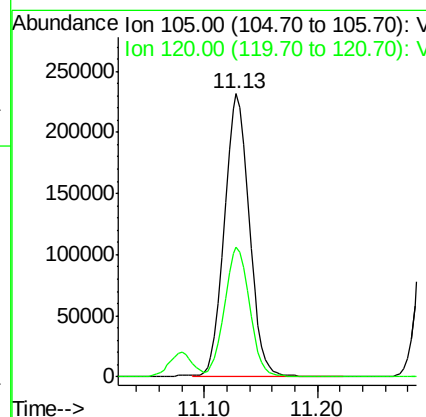
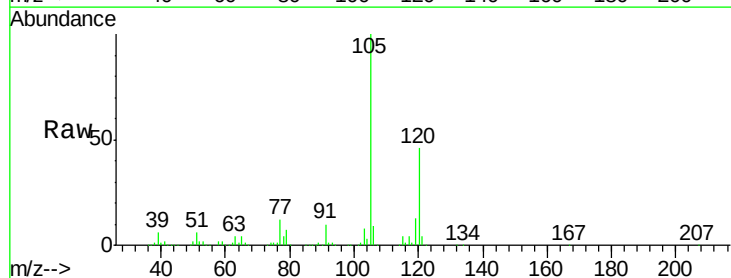
Manual Integrations
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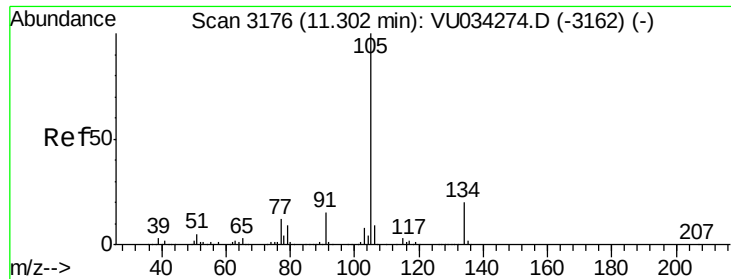
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.780 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	354238		
120	46.3	22.9	68.8	





#85

sec-Butylbenzene

Concen: 20.579 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

Instrument :

MSVOA_U

ClientSampleId :

VU0906WBS01

Tot Ion:105 Resp: 411605

Ion Ratio Lower Upper

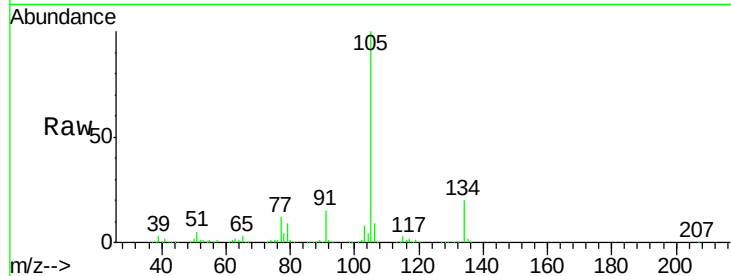
105 100

134 20.2 10.1 30.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

250000

200000

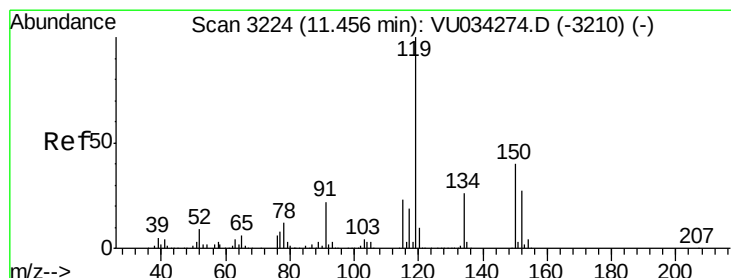
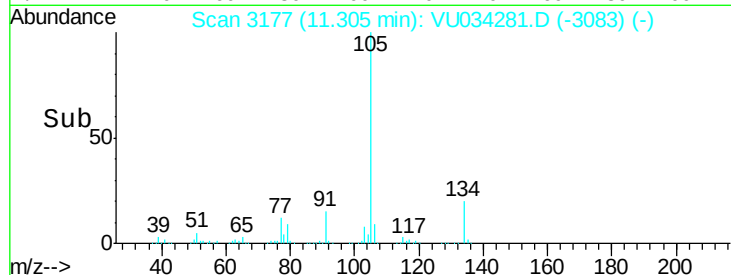
150000

100000

50000

0

Time--> 11.20 11.30 11.40



#86

p-Isopropyltoluene

Concen: 20.623 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034281.D

Acq: 05 Sep 2019 14:12

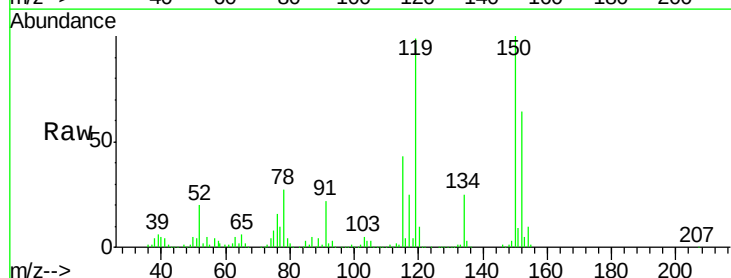
Tgt Ion:119 Resp: 380700

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.7 11.2 33.6



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

11.46

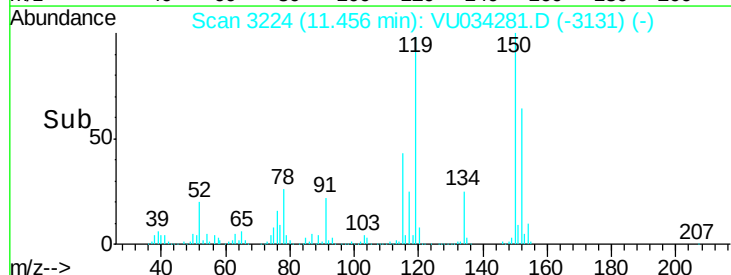
300000

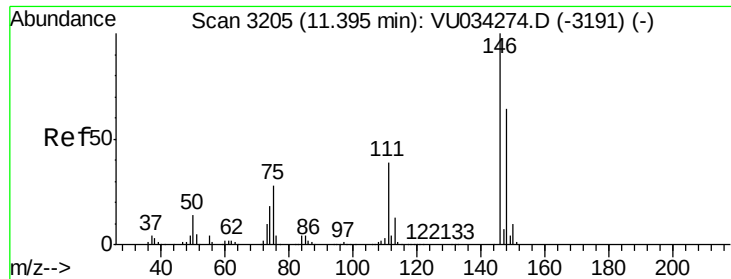
200000

100000

0

Time--> 11.40 11.45 11.50 11.55





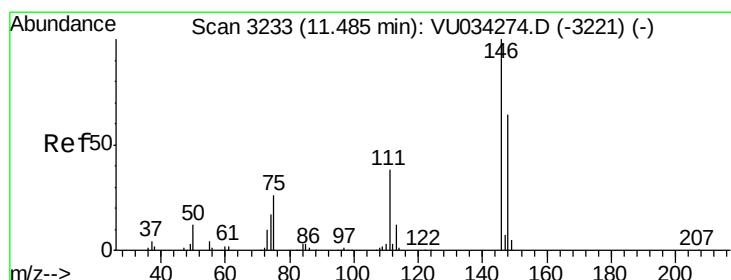
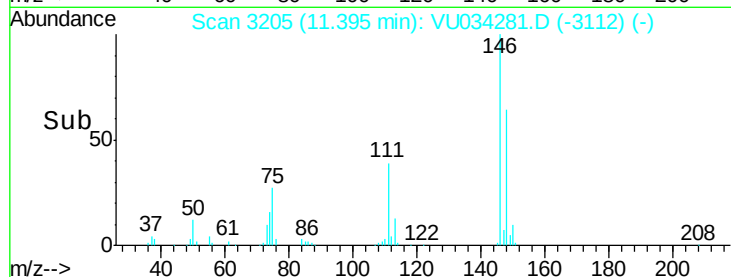
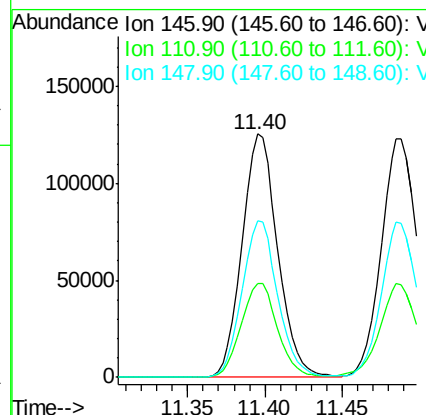
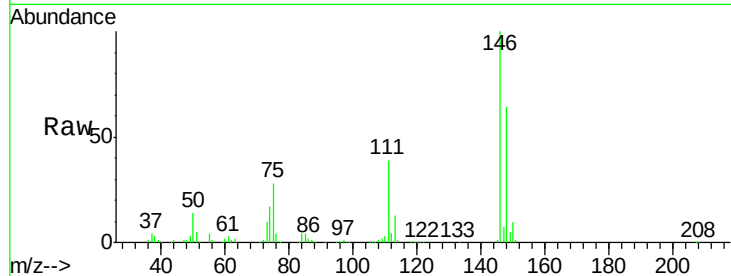
#87
 1,3-Dichlorobenzene
 Concen: 19.432 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.6	32.1	96.3

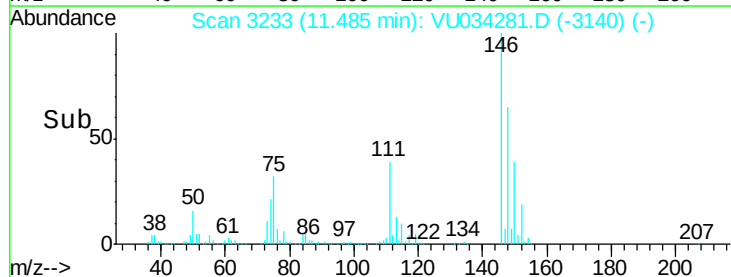
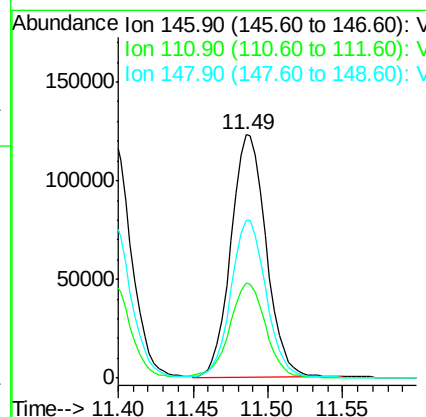
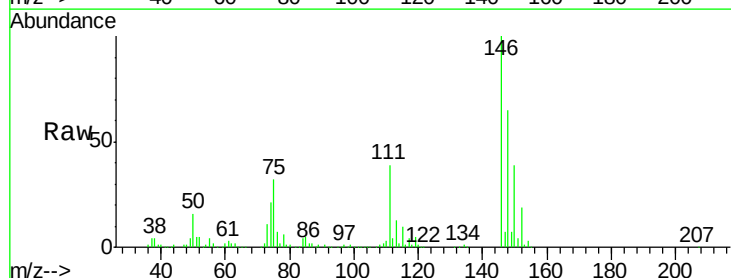
Manual Integrations
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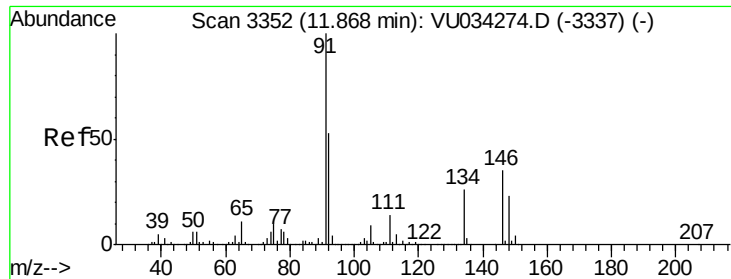
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 9/6/2019 3:21:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.685 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.3
148	64.8	32.0	96.0





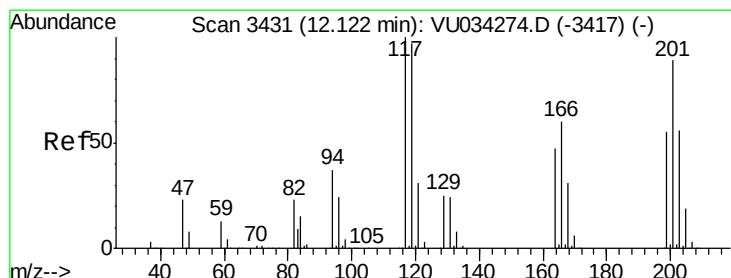
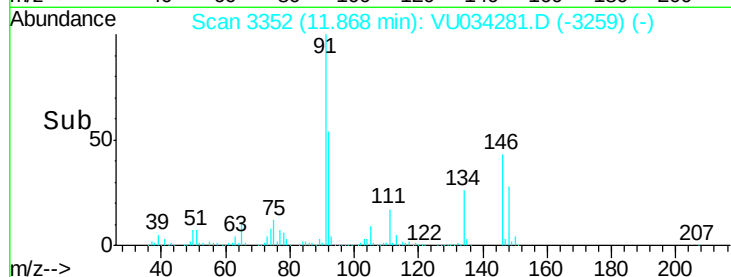
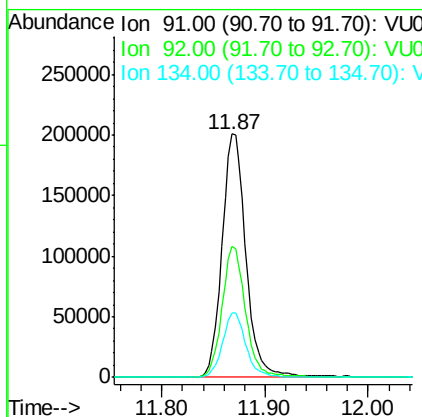
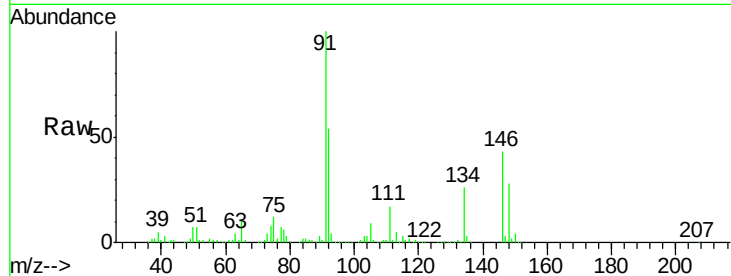
#89
n-Butylbenzene
Concen: 20.151 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	26.1	13.2	39.6

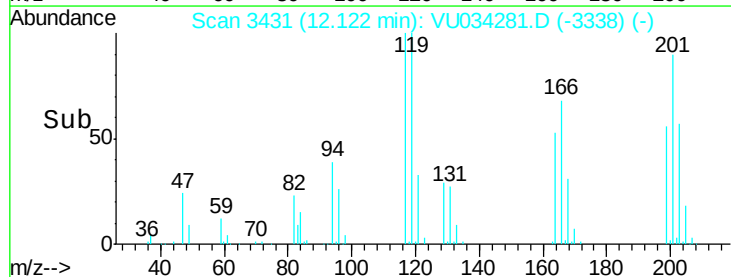
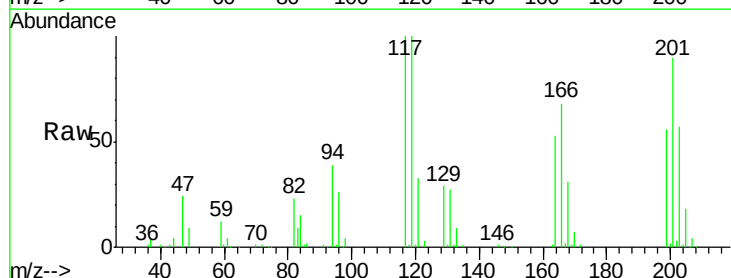
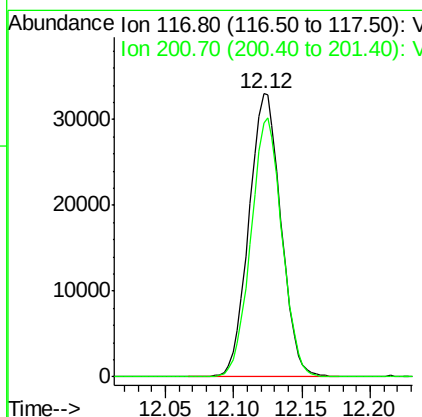
Manual Integrations
APPROVED

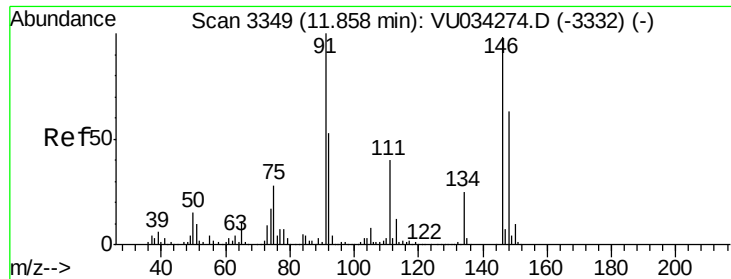
MMDadoda
9/6/2019 3:21:52 PM



#90
Hexachloroethane
Concen: 18.271 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	44.1	132.4





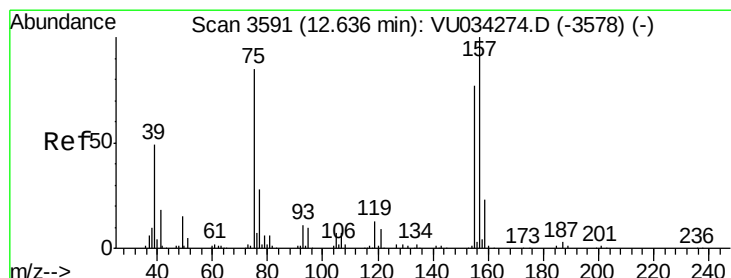
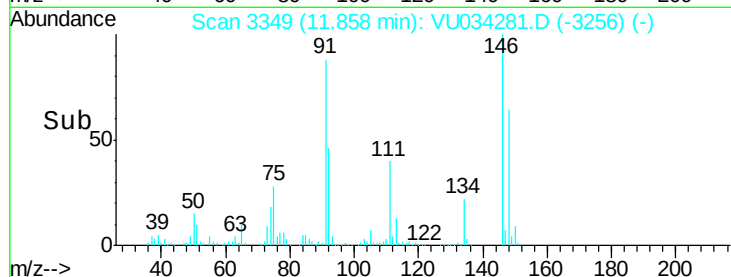
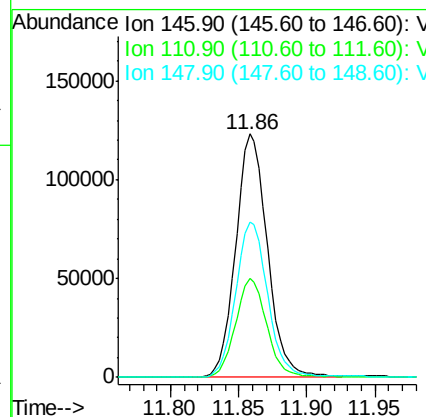
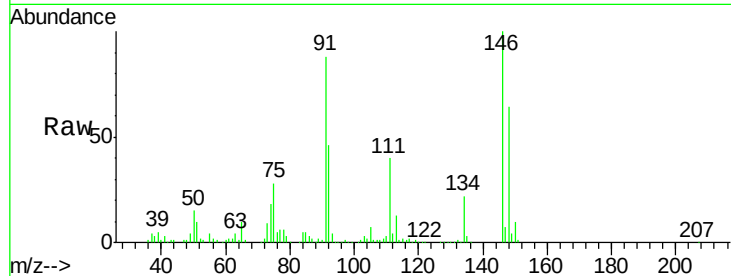
#91
1,2-Dichlorobenzene
Concen: 19.659 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199615		
111	40.0		20.0	60.0
148	64.0		31.6	94.8

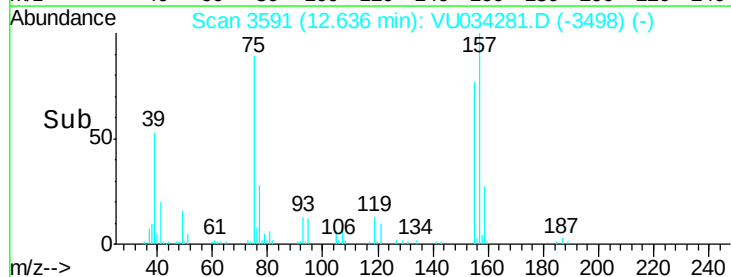
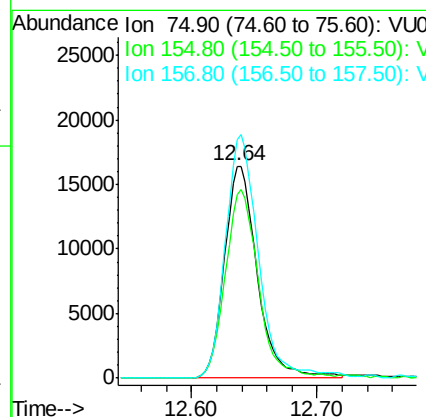
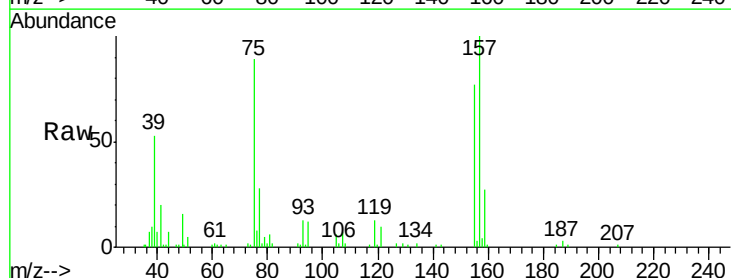
Manual Integrations
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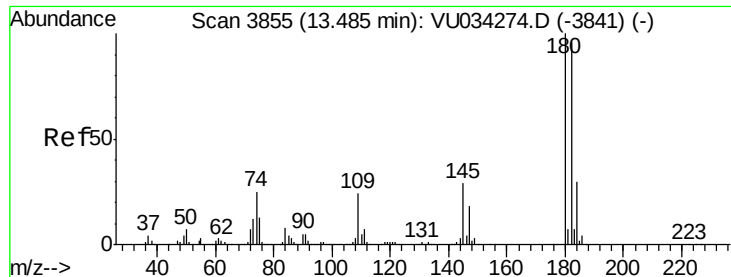
MMDadoda
9/6/2019 3:21:52 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.794 ug/l
RT: 12.64 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29812		
155	89.5		44.6	134.0
157	114.8		58.2	174.6





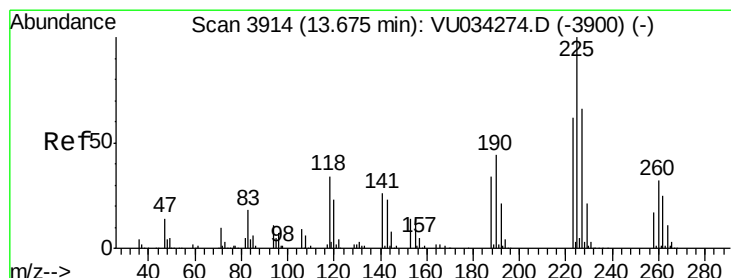
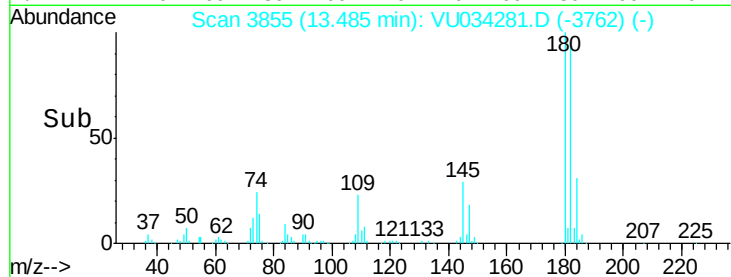
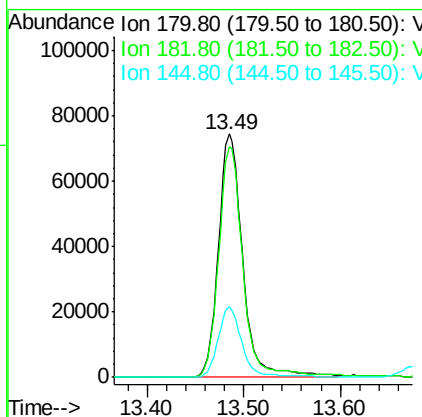
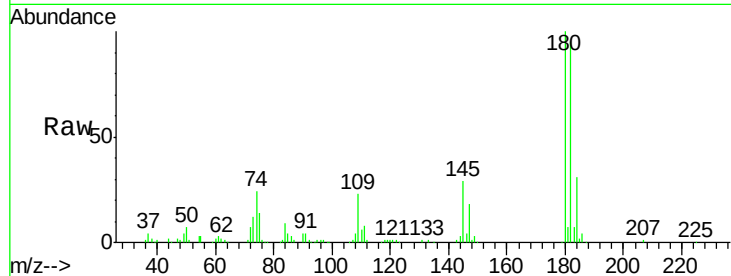
#93
 1,2,4-Trichlorobenzene
 Concen: 19.890 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Tot Ion:	180	Resp:	130032
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.8
145	27.9	14.4	43.0

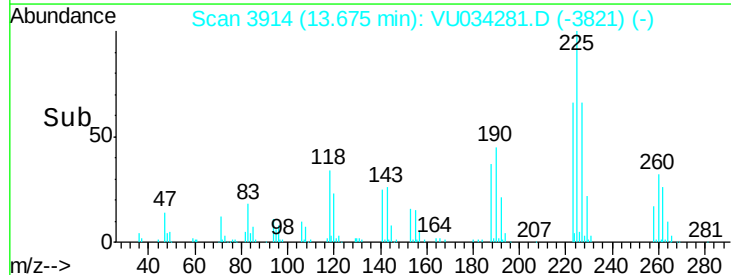
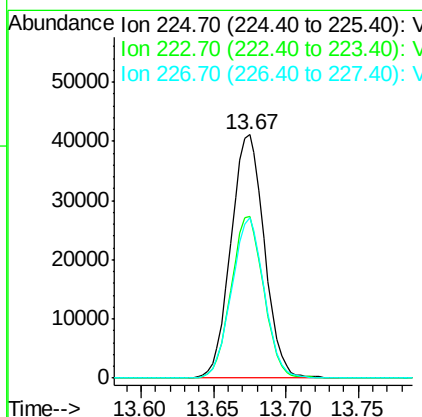
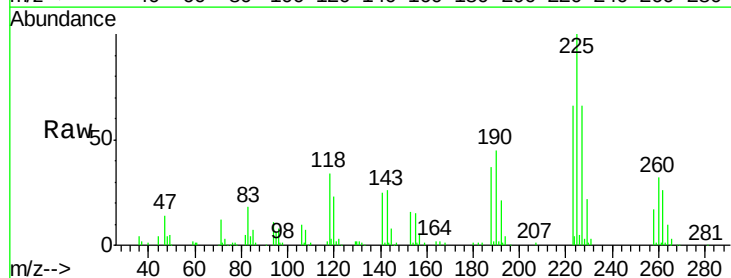
Manual Integrations
 APPROVED

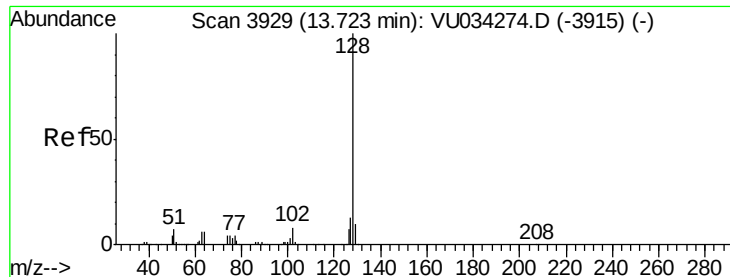
MMDadoda
 9/6/2019 3:21:52 PM



#94
 Hexachlorobutadiene
 Concen: 18.578 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034281.D
 Acq: 05 Sep 2019 14:12

Tgt Ion:	225	Resp:	65986
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.6	94.7
227	63.8	32.3	96.8





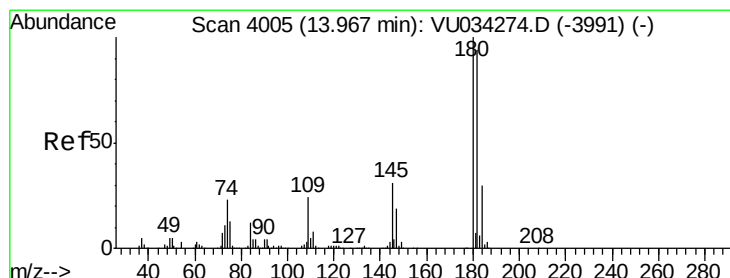
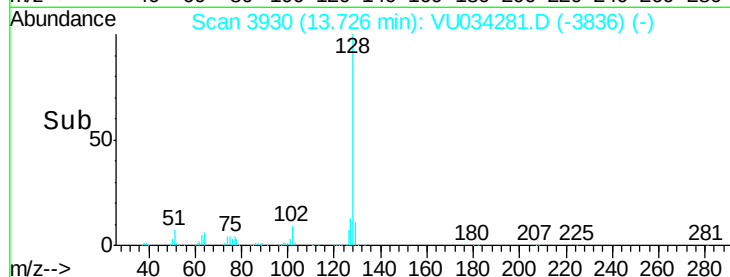
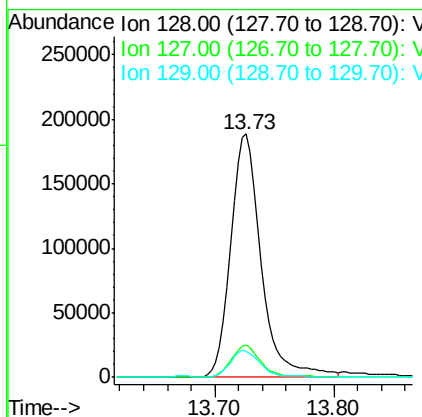
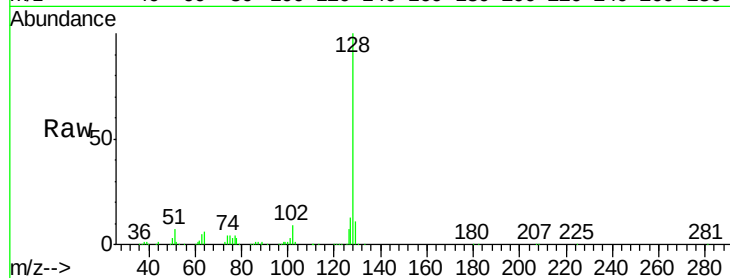
#95
Naphthalene
Concen: 18.831 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Instrument :
MSVOA_U
ClientSampleId :
VU0906WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:21:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.121 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034281.D
Acq: 05 Sep 2019 14:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.4	145.0
145	29.6	15.4	46.4

