

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034189.D
 Acq On : 02 Sep 2019 10:10
 Operator : JC/SP
 Sample : VU0903WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:28 PM

Quant Time: Sep 03 06:45:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	415953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	633225	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	604044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	327198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	257850	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	4.86	113	219776	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	7.55	98	833861	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	10.29	95	310038	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	79372	18.973	ug/l	100
3) Chloromethane	1.32	50	97314	15.997	ug/l	100
4) Vinyl Chloride	1.40	62	102059	18.330	ug/l	100
5) Bromomethane	1.62	94	56074	17.101	ug/l	99
6) Chloroethane	1.69	64	61534	18.078	ug/l	98
7) Trichlorofluoromethane	1.88	101	123312	19.114	ug/l	99
8) Diethyl Ether	2.09	74	52902	19.169	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80444	19.683	ug/l	99
10) Methyl Iodide	2.40	142	57409	9.902	ug/l	98
11) Tert butyl alcohol	2.81	59	108371	88.173	ug/l	99
12) 1,1-Dichloroethene	2.27	96	79688	19.137	ug/l	98
13) Acrolein	2.18	56	25757	49.816	ug/l	99
14) Allyl chloride	2.58	41	148826m	19.009	ug/l	
15) Acrylonitrile	2.92	53	277953	98.553	ug/l	100
16) Acetone	2.31	43	287419	105.689	ug/l	99
17) Carbon Disulfide	2.47	76	218583	16.585	ug/l	100
18) Methyl Acetate	2.60	43	133903	19.054	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	267975	19.641	ug/l	98
20) Methylene Chloride	2.69	84	95812	18.610	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	83735	18.528	ug/l	95
22) Diisopropyl ether	3.55	45	288345	20.099	ug/l	95
23) Vinyl Acetate	3.50	43	1191142	96.652	ug/l	99
24) 1,1-Dichloroethane	3.42	63	166181	19.620	ug/l	99
25) 2-Butanone	4.24	43	379814	100.386	ug/l	100
26) 2,2-Dichloropropane	4.20	77	134976	19.584	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	96598	19.043	ug/l	99
28) Bromochloromethane	4.52	49	83654	20.047	ug/l	98
29) Tetrahydrofuran	4.62	42	231249	99.108	ug/l	99
30) Chloroform	4.65	83	165981	19.641	ug/l	99
31) Cyclohexane	4.97	56	144670	18.177	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	133920	19.349	ug/l	98
36) 1,1-Dichloropropene	5.12	75	116565	19.462	ug/l	98
37) Ethyl Acetate	4.36	43	131322	19.579	ug/l	99
38) Carbon Tetrachloride	5.11	117	113570	19.644	ug/l	96

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Quant Time: Sep 03 06:45:50 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	132656	18.791	ug/l	96
40) Benzene	5.37	78	361259	19.935	ug/l	100
41) Methacrylonitrile	4.52	41	70070	20.370	ug/l	99
42) 1,2-Dichloroethane	5.38	62	126109	20.153	ug/l	99
43) Isopropyl Acetate	5.53	43	196951	19.301	ug/l	100
44) Trichloroethene	6.17	130	95132	19.991	ug/l	97
45) 1,2-Dichloropropane	6.41	63	100195	20.086	ug/l	98
46) Dibromomethane	6.54	93	65009	20.228	ug/l	98
47) Bromodichloromethane	6.74	83	128638	20.458	ug/l	97
48) Methyl methacrylate	6.60	41	93173	18.923	ug/l	97
49) 1,4-Dioxane	6.59	88	44793	363.073	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	688445	97.695	ug/l	100
52) Toluene	7.62	92	225150	20.169	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	134306	19.250	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	151206	19.837	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	95815	20.291	ug/l	98
56) Ethyl methacrylate	8.00	69	132362	17.542	ug/l	99
57) 1,3-Dichloropropane	8.22	76	158102	19.719	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	225285	86.240	ug/l	99
59) 2-Hexanone	8.34	43	528883	99.418	ug/l	99
60) Dibromochloromethane	8.46	129	99465	19.623	ug/l	100
61) 1,2-Dibromoethane	8.57	107	97641	19.630	ug/l	99
64) Tetrachloroethene	8.21	164	87439	21.555	ug/l	98
65) Chlorobenzene	9.10	112	245906	19.782	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	89580	19.874	ug/l	99
67) Ethyl Benzene	9.23	91	419776	19.921	ug/l	98
68) m/p-Xylenes	9.36	106	321237	40.093	ug/l	99
69) o-Xylene	9.76	106	151904	19.761	ug/l	98
70) Styrene	9.77	104	267298	20.280	ug/l	100
71) Bromoform	9.94	173	75267	19.219	ug/l #	99
73) Isopropylbenzene	10.15	105	416614	18.956	ug/l	99
74) N-amyl acetate	10.00	43	167871	18.161	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	157785	18.757	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	138107m	18.728	ug/l	
77) Bromobenzene	10.43	156	111606	18.878	ug/l	99
78) n-propylbenzene	10.57	91	490774	19.175	ug/l	100
79) 2-Chlorotoluene	10.64	91	292017	19.021	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	364221	19.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	35960m	16.420	ug/l	
82) 4-Chlorotoluene	10.75	91	346442	19.622	ug/l	99
83) tert-Butylbenzene	11.08	119	337016	18.379	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	359264	19.423	ug/l	98
85) sec-Butylbenzene	11.30	105	415115	18.888	ug/l	100
86) p-Isopropyltoluene	11.46	119	383656	19.301	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202190	19.318	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	204431	19.313	ug/l	99
89) n-Butylbenzene	11.87	91	332048	18.947	ug/l	99
90) Hexachloroethane	12.12	117	56717	16.503	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	196099	19.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31482	18.786	ug/l	96

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ClientSampleId :
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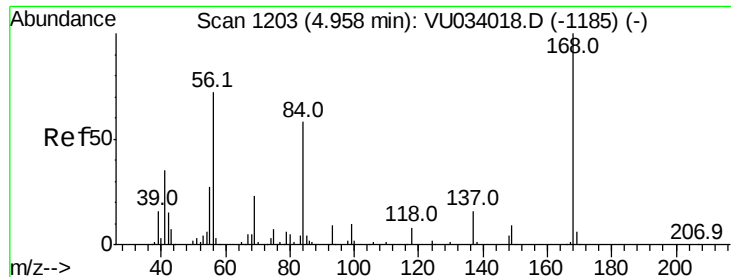
Manual Integrations
APPROVED

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9/3/2019 1:09:28 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	121842	17.818	ug/l	99
94) Hexachlorobutadiene	13.67	225	64670	16.488	ug/l	98
95) Naphthalene	13.73	128	332601	17.492	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	122110	19.012	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion:168 Resp: 415953

Ion Ratio Lower Upper

168 100

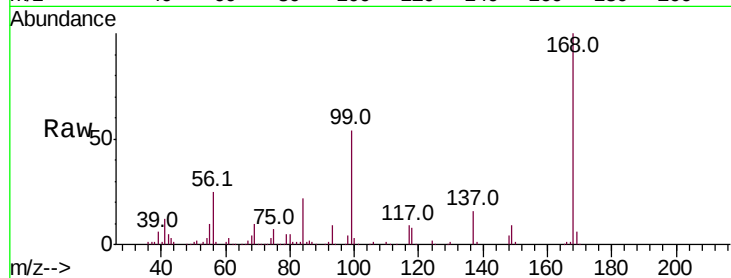
99 53.6 42.3 63.5

Manual Integrations

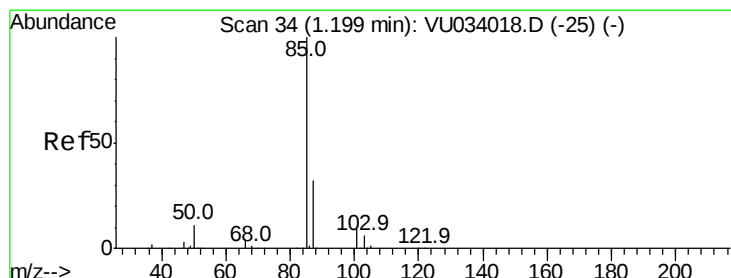
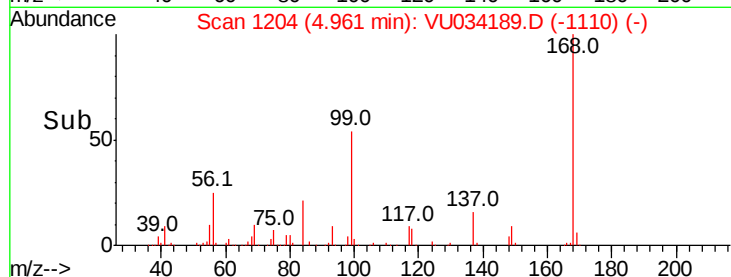
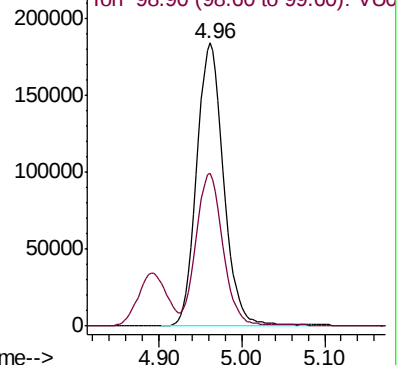
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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)



#2

Dichlorodifluoromethane

Concen: 18.973 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034189.D

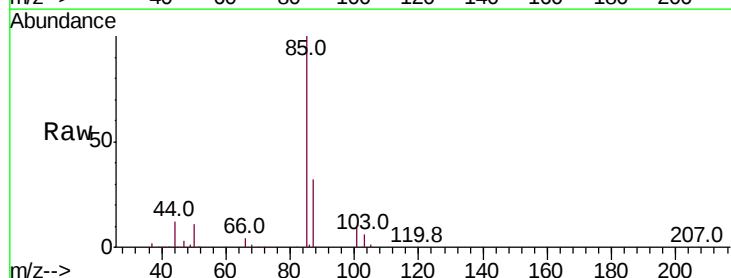
Acq: 02 Sep 2019 10:10

Tgt Ion: 85 Resp: 79372

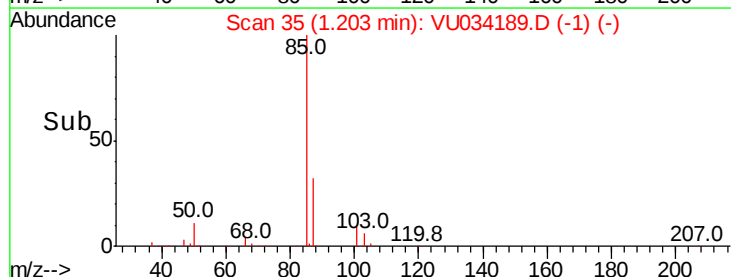
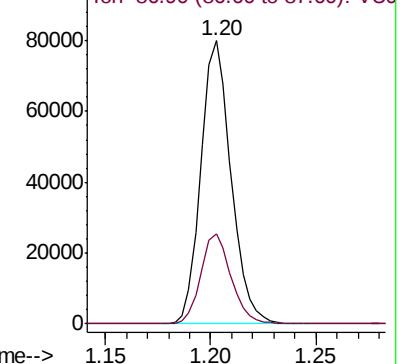
Ion Ratio Lower Upper

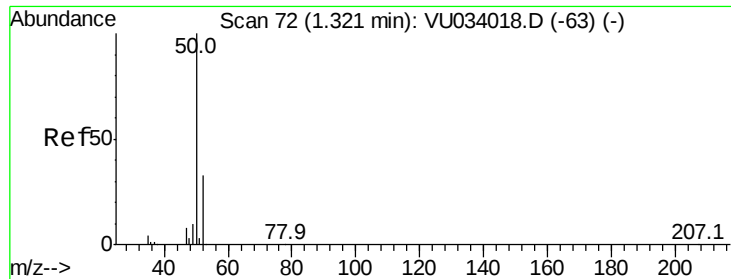
85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)





#3

Chloromethane

Concen: 15.997 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 50 Resp: 97314

Ion Ratio Lower Upper

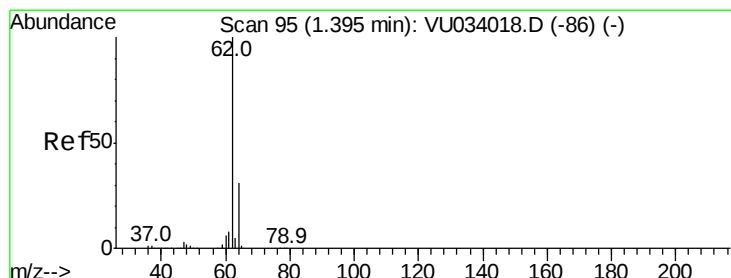
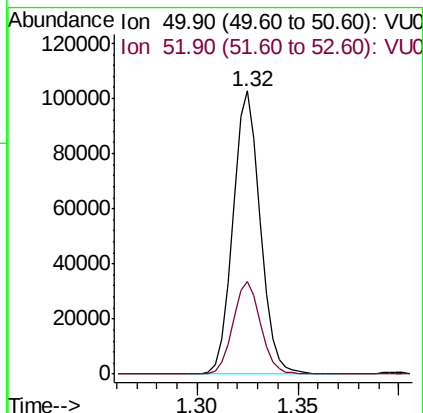
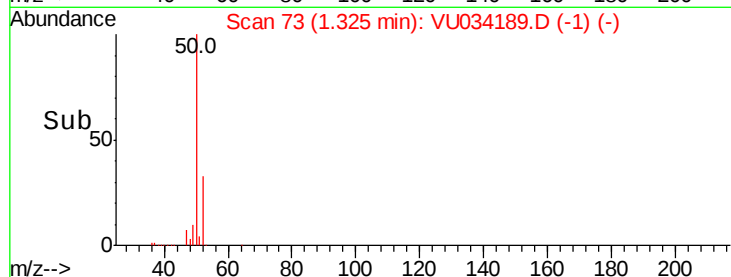
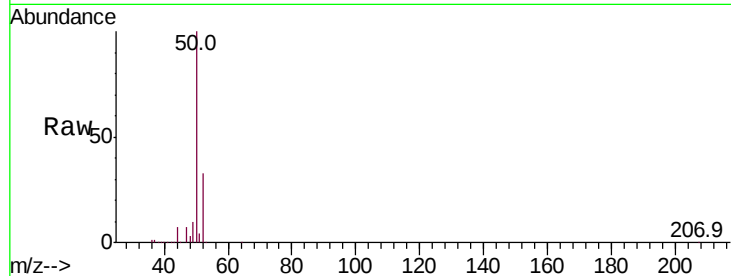
50 100

52 32.7 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.330 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034189.D

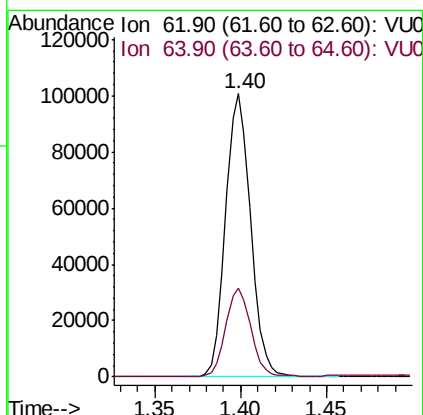
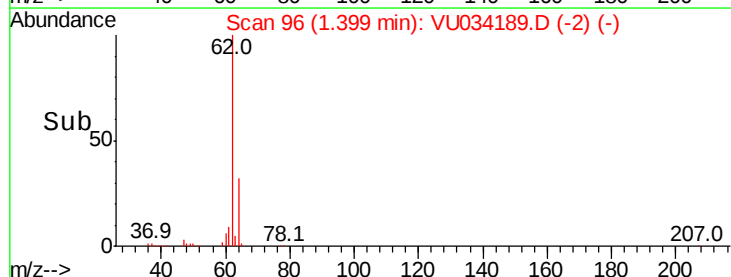
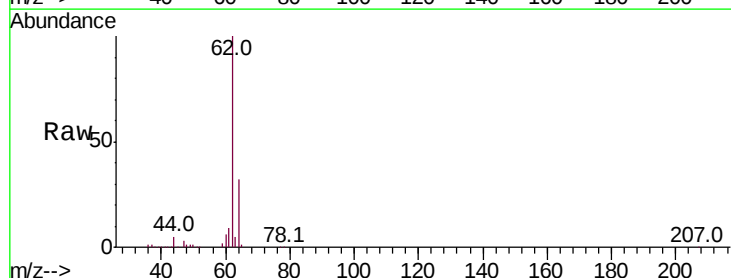
Acq: 02 Sep 2019 10:10

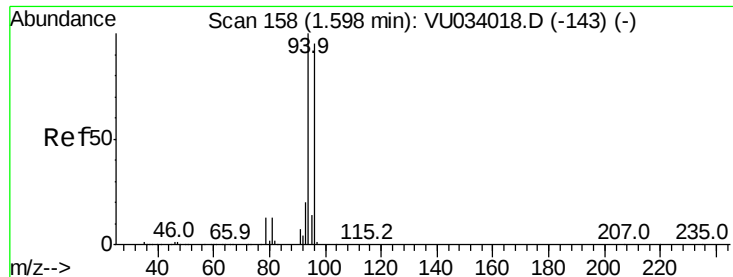
Tgt Ion: 62 Resp: 102059

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 17.101 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 94 Resp: 56074

Ion Ratio Lower Upper

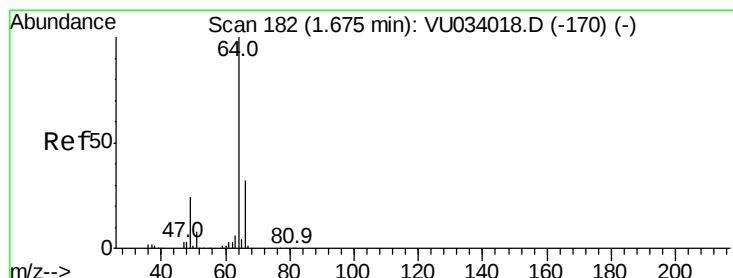
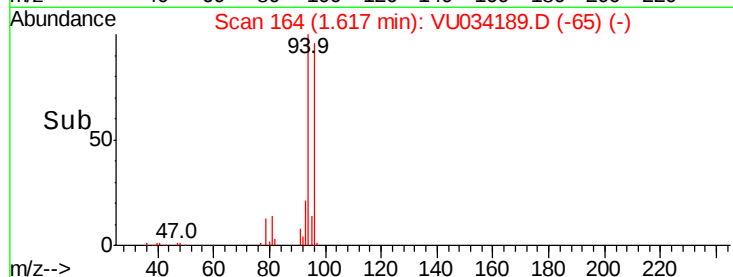
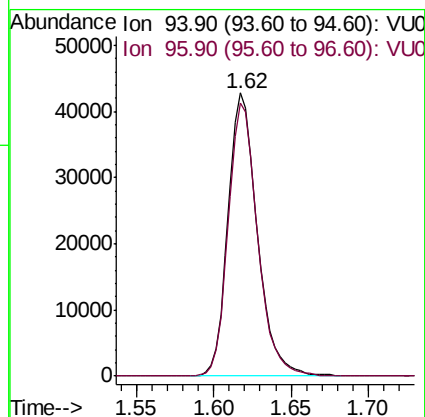
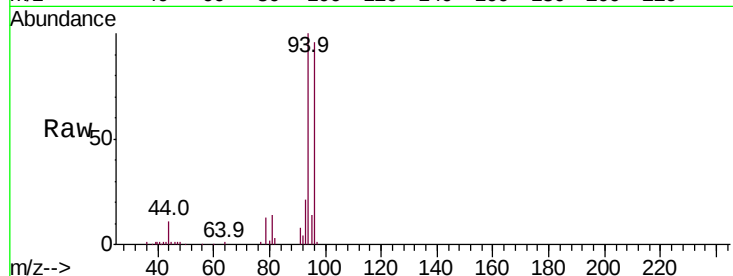
94 100

96 96.5 76.3 114.5

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 18.078 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034189.D

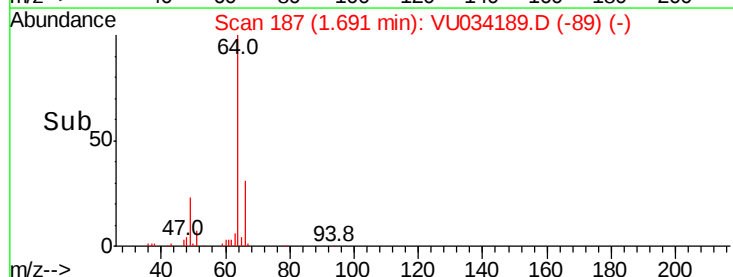
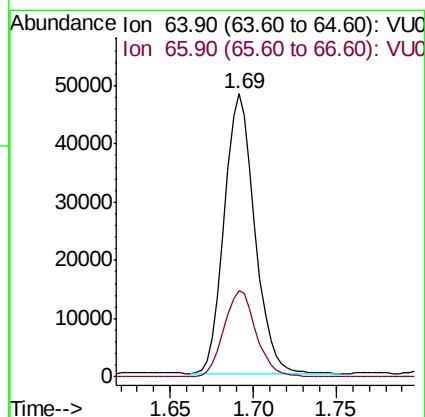
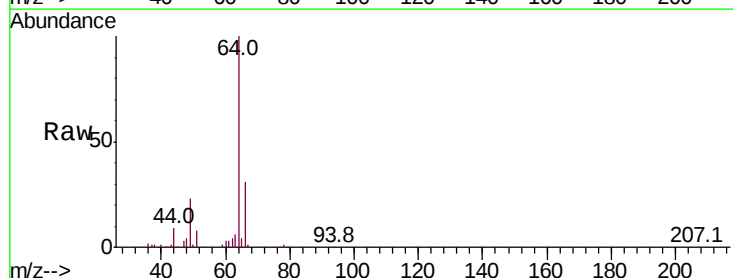
Acq: 02 Sep 2019 10:10

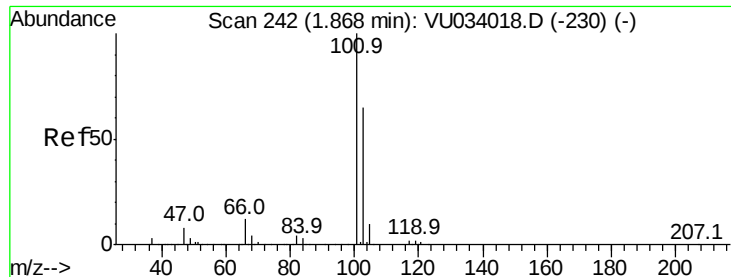
Tgt Ion: 64 Resp: 61534

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

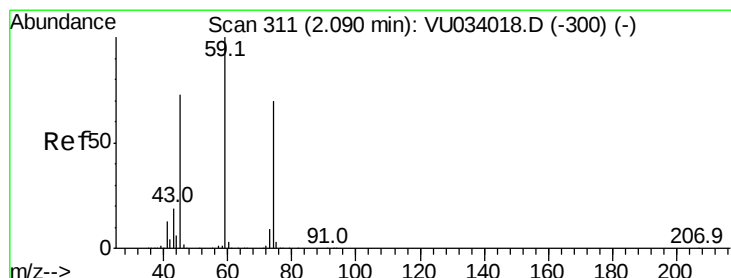
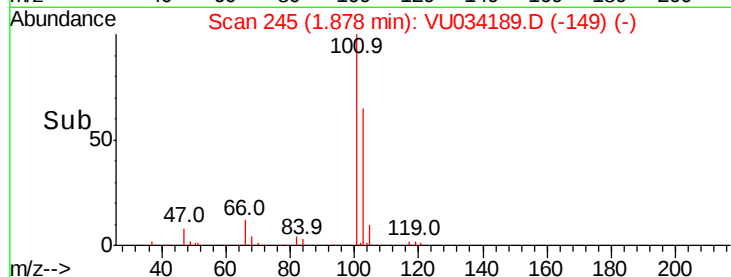
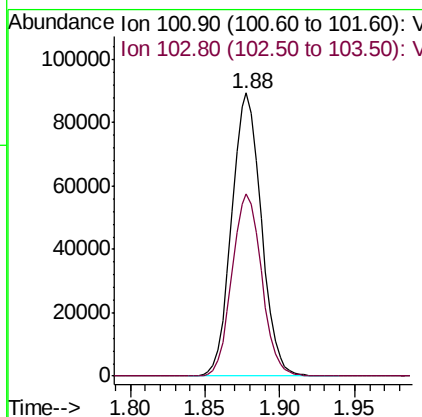
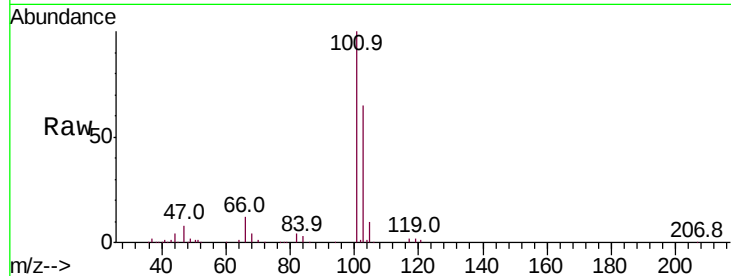
Trichlorofluoromethane
Concen: 19.114 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

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VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123312		
103	64.6	52.1	78.1	

Manual Integrations
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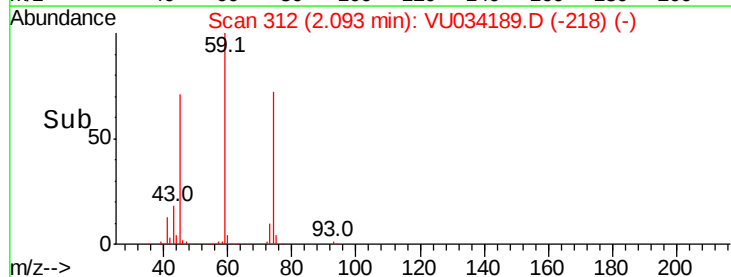
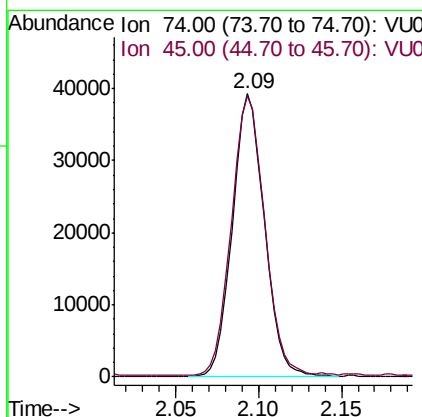
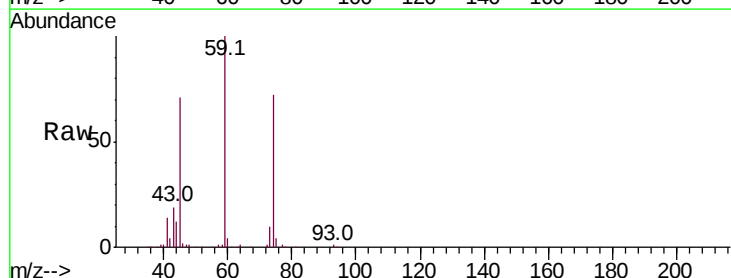
MMDadoda
9/3/2019 1:09:28 PM

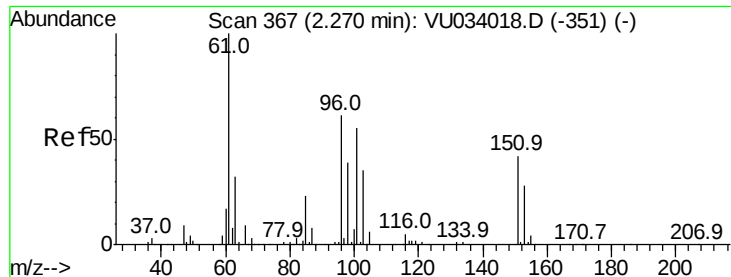


#8

Diethyl Ether
Concen: 19.169 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52902		
45	102.3	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.683 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

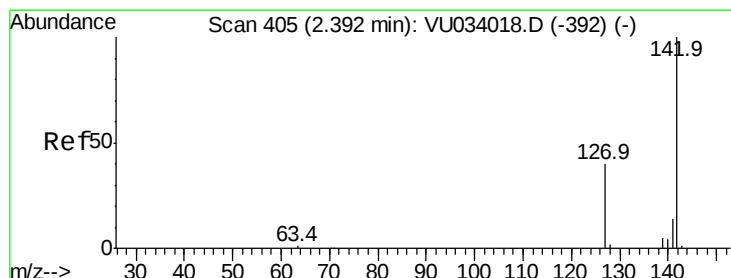
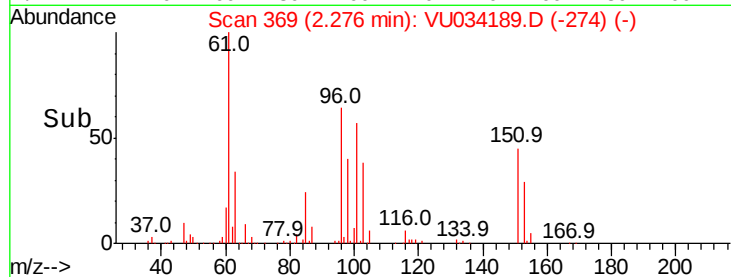
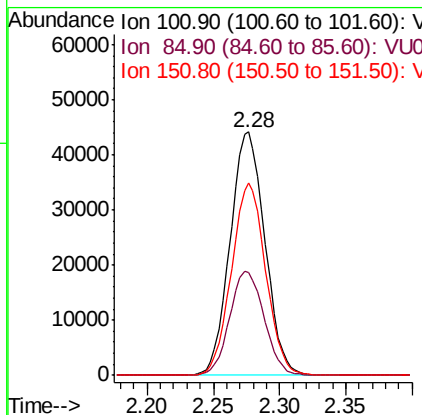
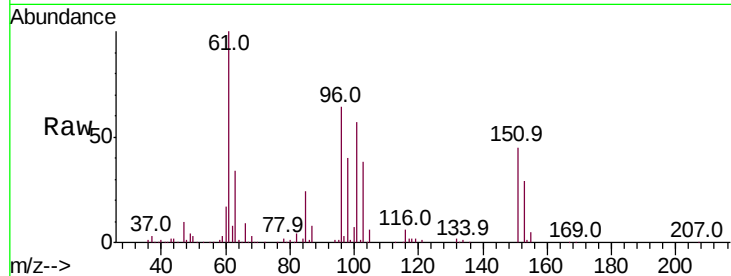
ClientSampleId :

VU0903WBS01

Tot Ion:	101	Resp:	80444
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	77.7	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 9.902 ug/l

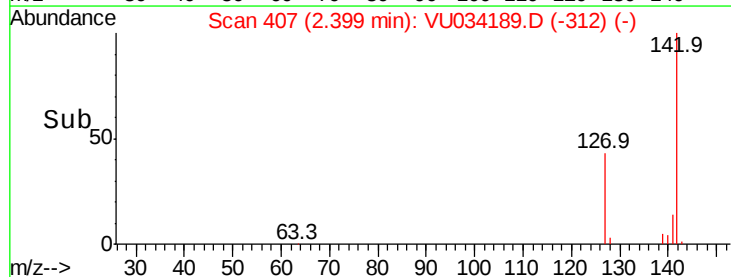
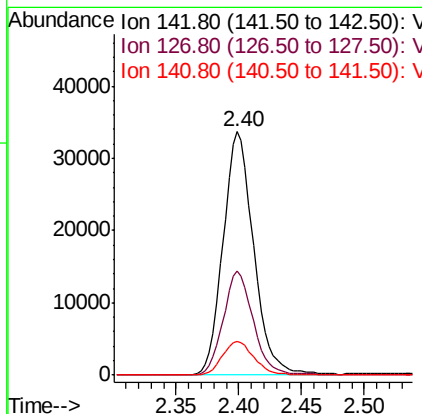
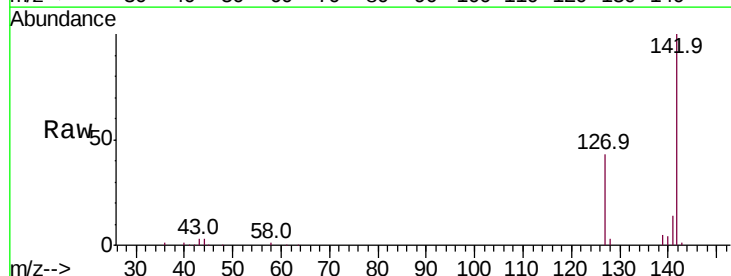
RT: 2.40 min Scan# 407

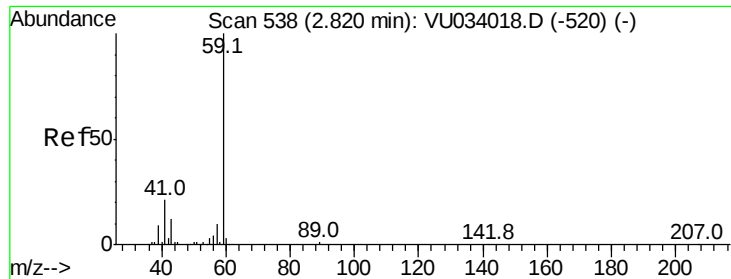
Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion:	142	Resp:	57409
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.6	48.8
141	14.1	11.3	16.9





#11

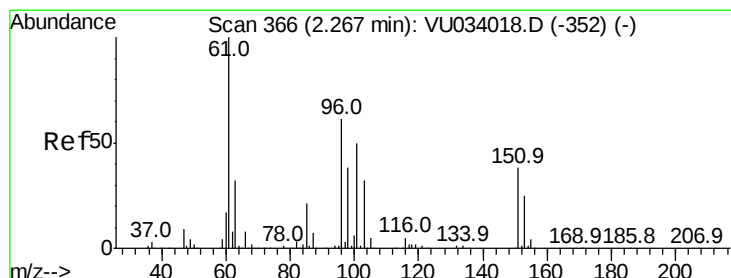
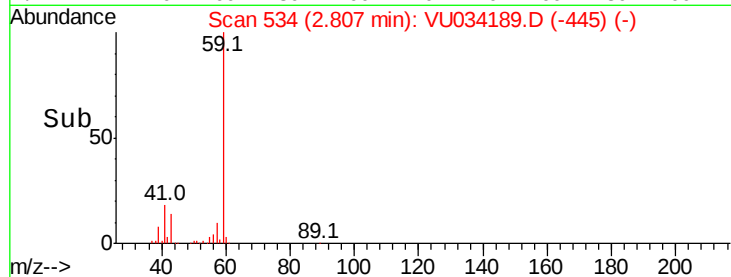
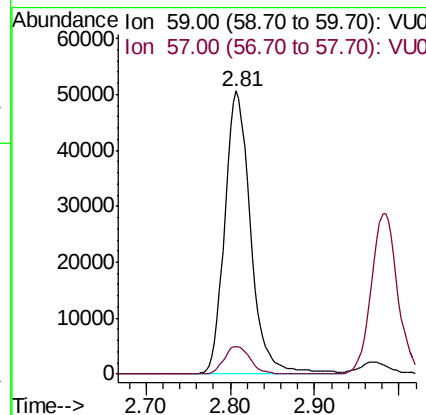
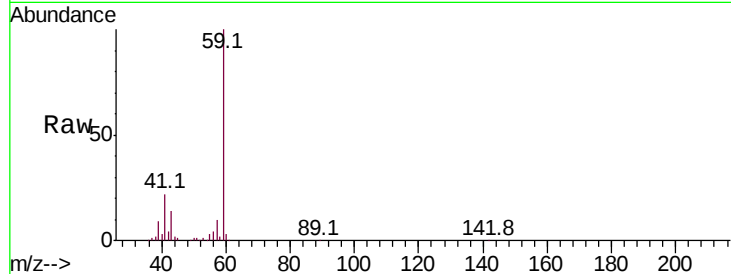
Tert butyl alcohol
Concen: 88.173 ug/l
RT: 2.81 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	59	Resp	108371
Ion Ratio	100	Lower	Upper
59	100		
57	9.8	8.0	12.0

Manual Integrations
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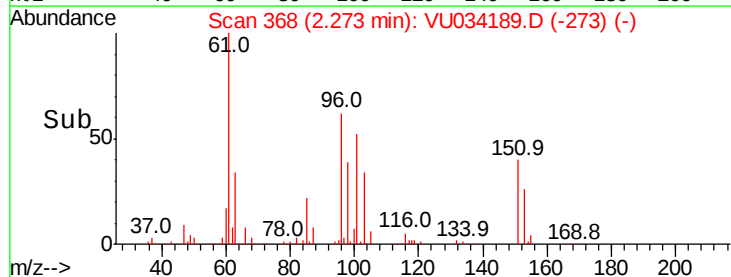
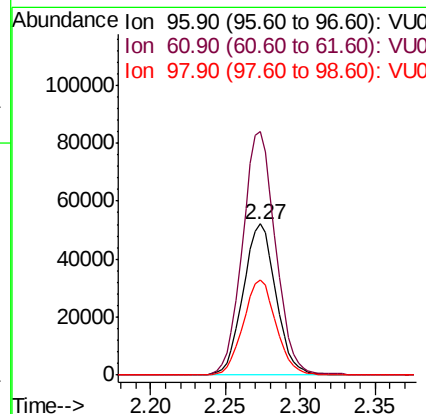
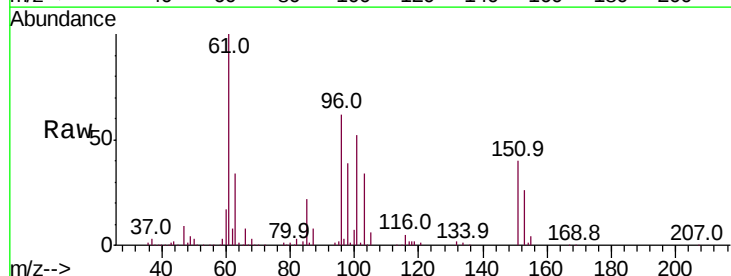
MMDadoda
9/3/2019 1:09:28 PM

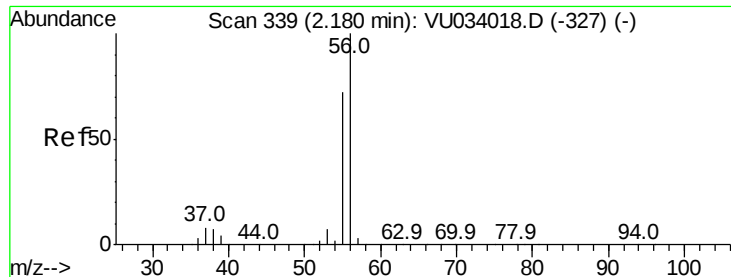


#12

1,1-Dichloroethene
Concen: 19.137 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	96	Resp	79688
Ion Ratio	100	Lower	Upper
96	100		
61	161.0	131.3	196.9
98	63.2	50.3	75.5





#13

Acrolein

Concen: 49.816 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 56 Resp: 25757

Ion Ratio Lower Upper

56 100

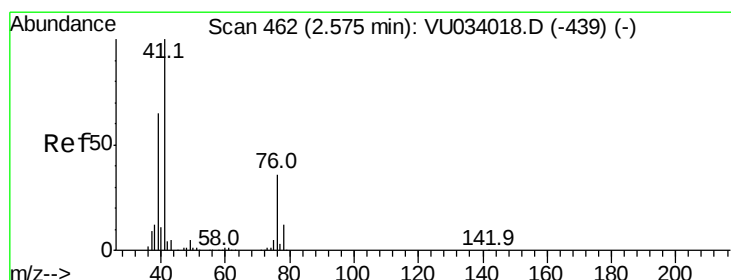
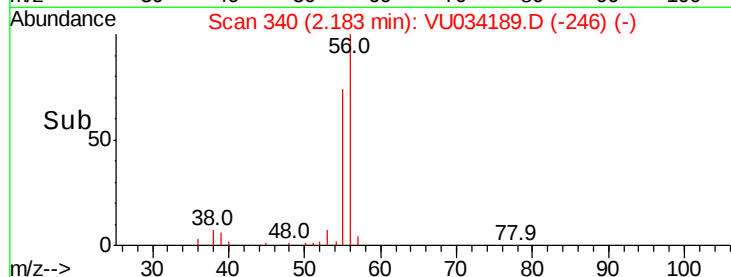
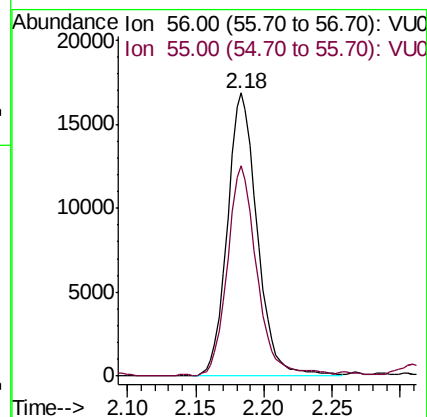
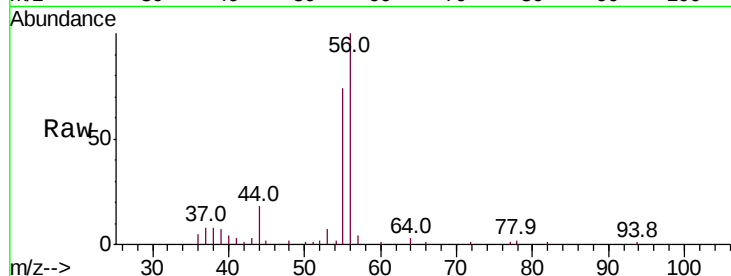
55 72.5 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.009 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

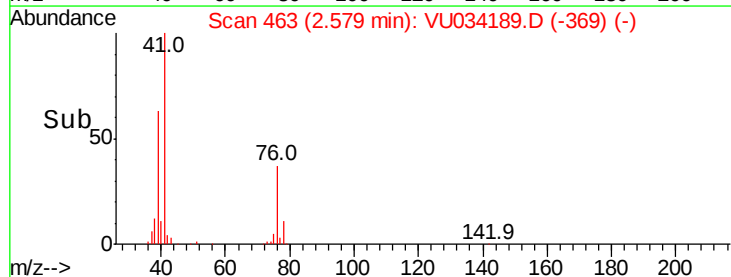
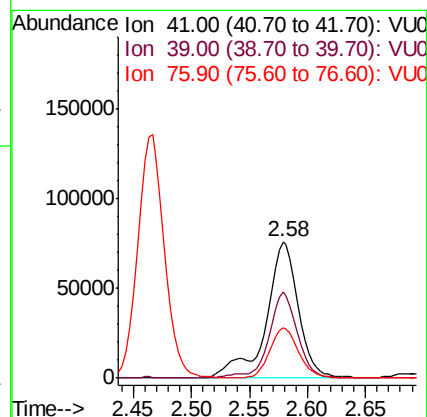
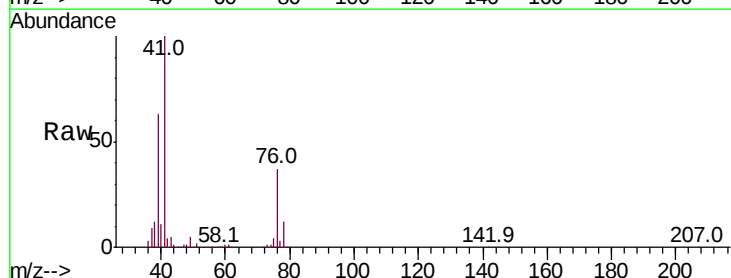
Tgt Ion: 41 Resp: 148826

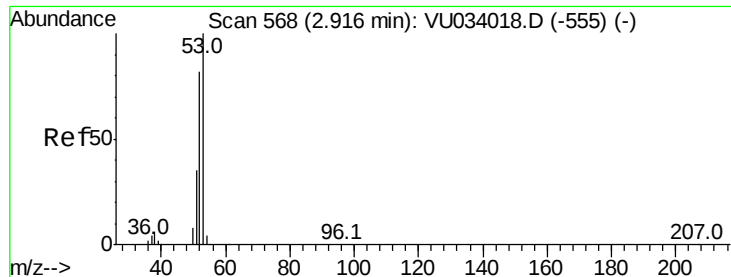
Ion Ratio Lower Upper

41 100

39 55.0 46.8 70.2

76 33.1 26.6 40.0





#15

Acrylonitrile

Concen: 98.553 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

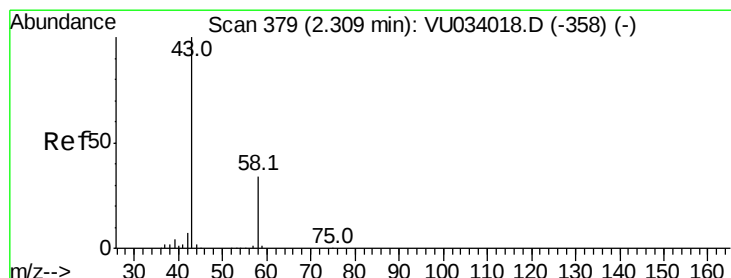
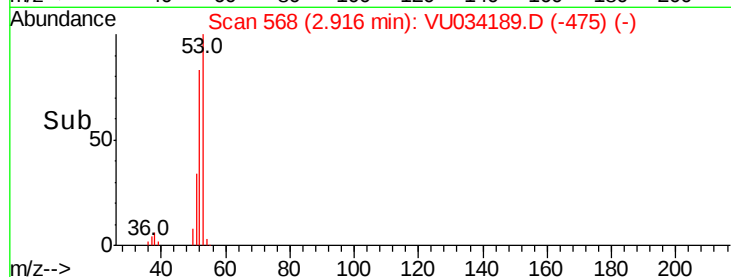
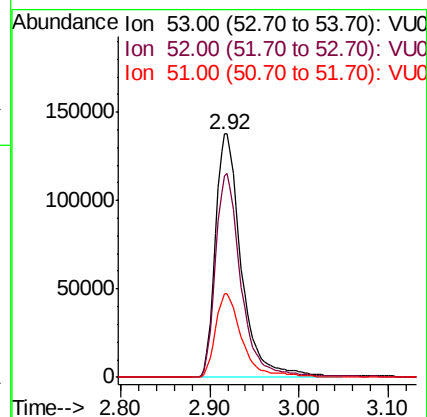
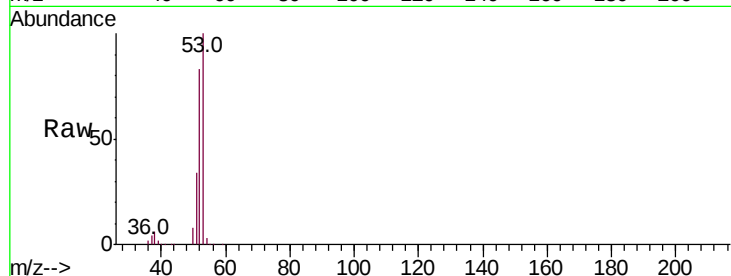
ClientSampleId :

VU0903WBS01

Tot Ion	53	Resp	277953
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	35.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 105.689 ug/l

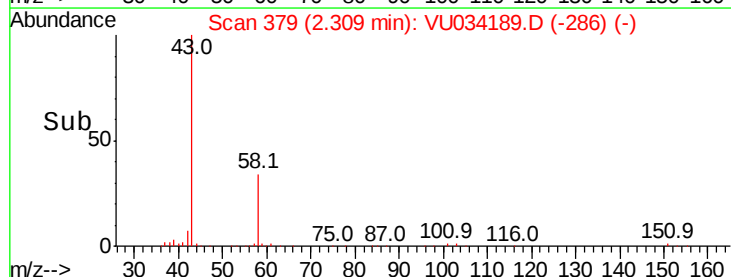
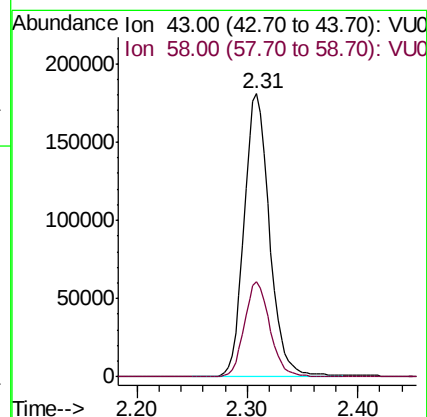
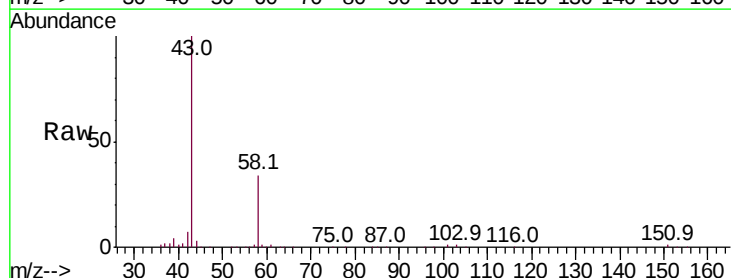
RT: 2.31 min Scan# 379

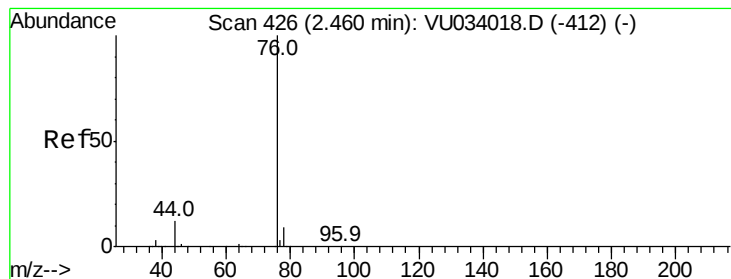
Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion	43	Resp	287419
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.8	40.2





#17

Carbon Disulfide

Concen: 16.585 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 76 Resp: 218583

Ion Ratio Lower Upper

76 100

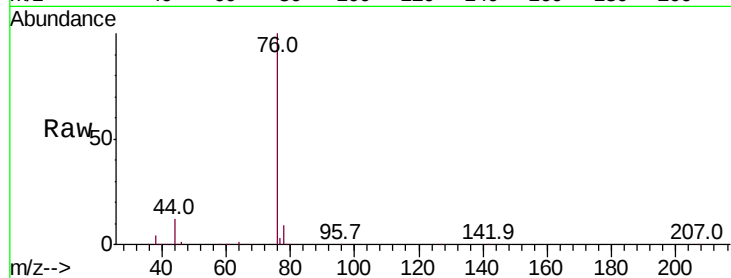
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU034189.D (-412) (-)

Ion 77.90 (77.60 to 78.60): VU034189.D (-412) (-)

2.47

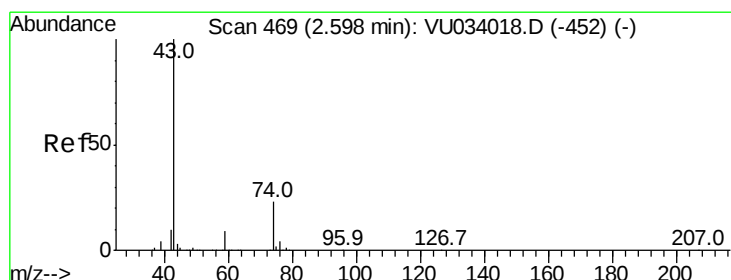
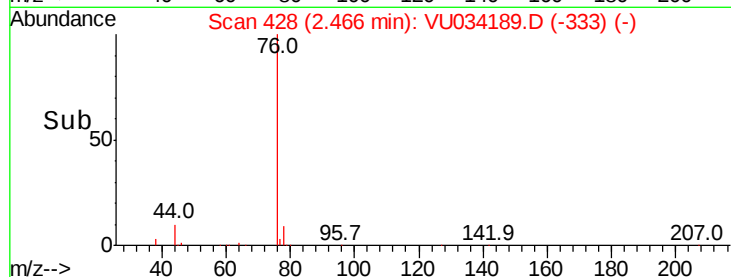
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.054 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034189.D

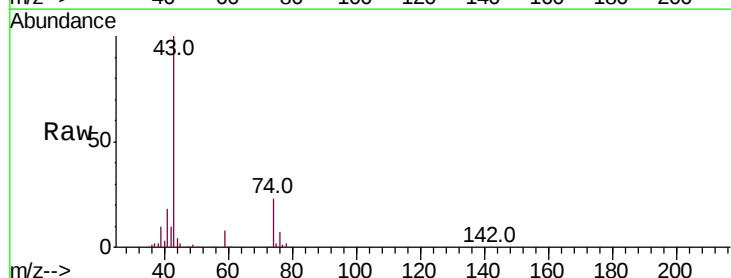
Acq: 02 Sep 2019 10:10

Tgt Ion: 43 Resp: 133903

Ion Ratio Lower Upper

43 100

74 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034189.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034189.D (-376) (-)

2.60

80000

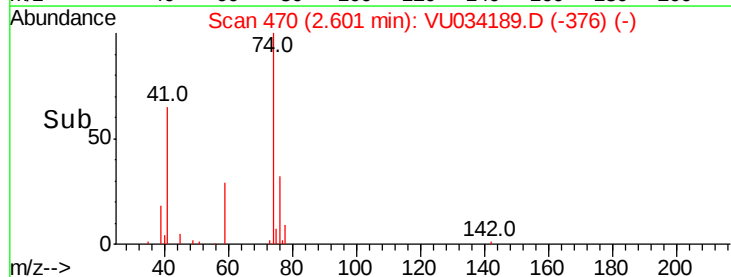
60000

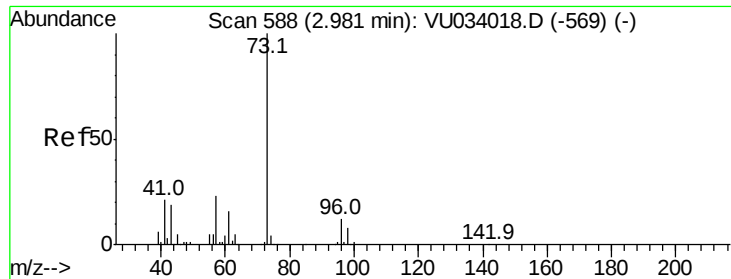
40000

20000

0

Time-->





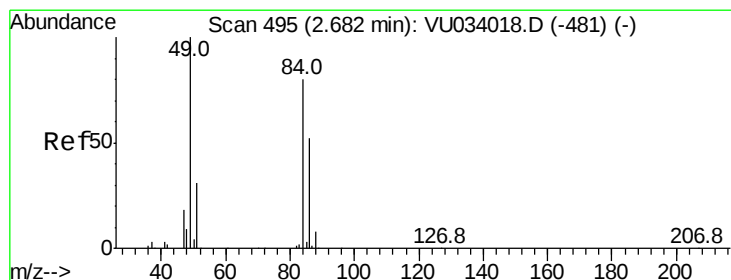
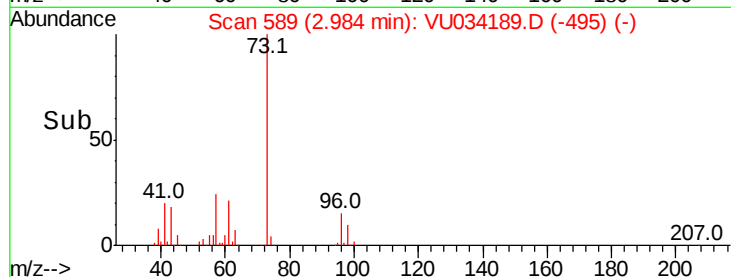
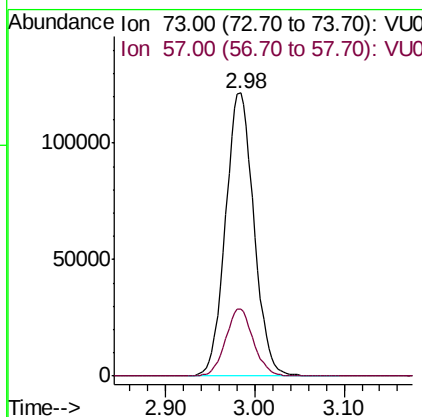
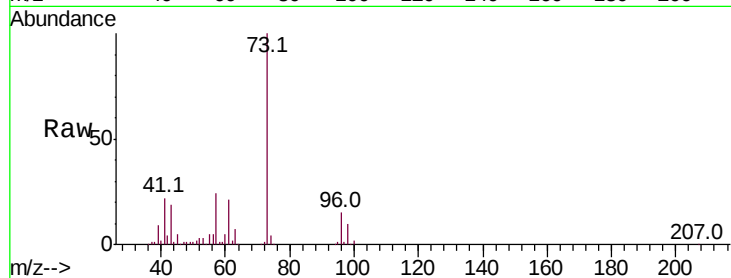
#19
Methvl tert-butvl Ether
Concen: 19.641 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion: 73 Resp: 267975
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5

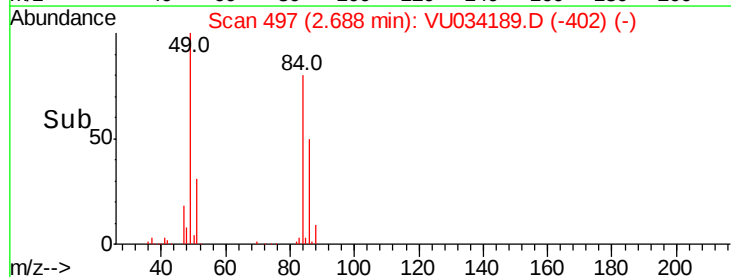
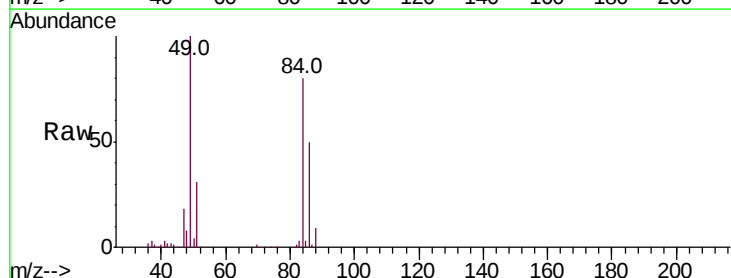
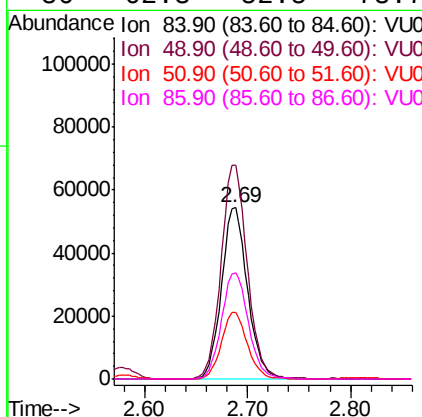
Manual Integrations
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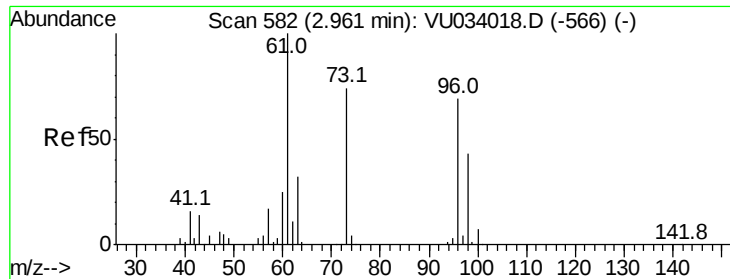
MMDadoda
9/3/2019 1:09:28 PM



#20
Methylene Chloride
Concen: 18.610 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 84 Resp: 95812
Ion Ratio Lower Upper
84 100
49 124.6 100.2 150.4
51 38.8 30.8 46.2
86 62.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.528 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 96 Resp: 83735

Ion Ratio Lower Upper

96 100

61 150.8 115.5 173.3

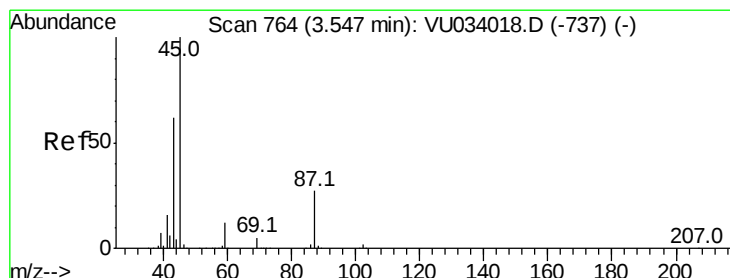
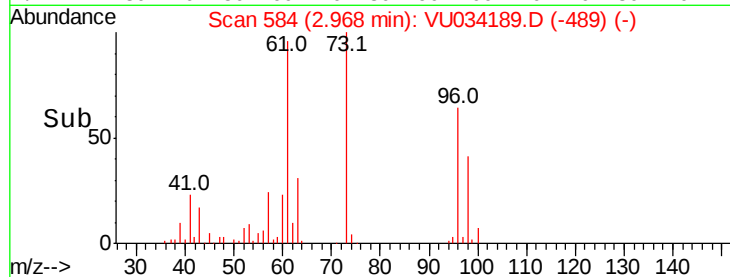
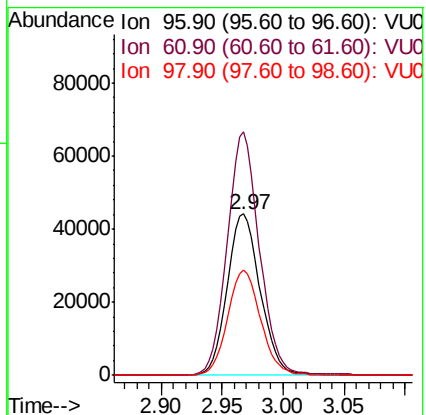
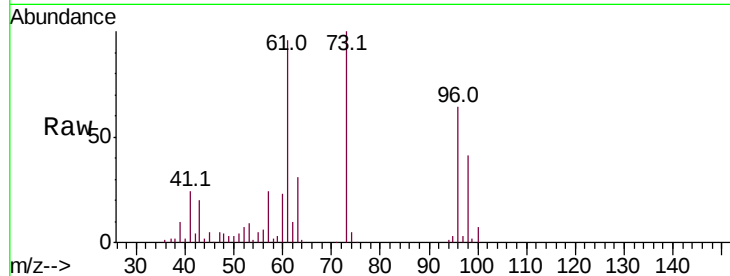
98 65.1 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.099 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion: 45 Resp: 288345

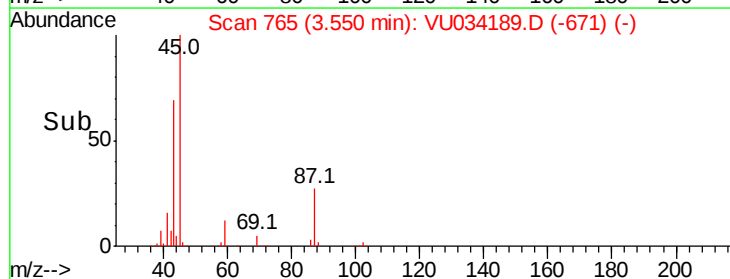
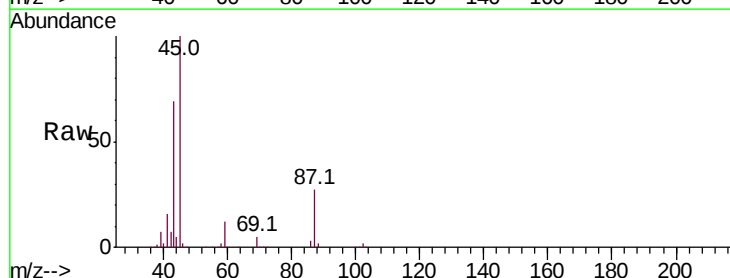
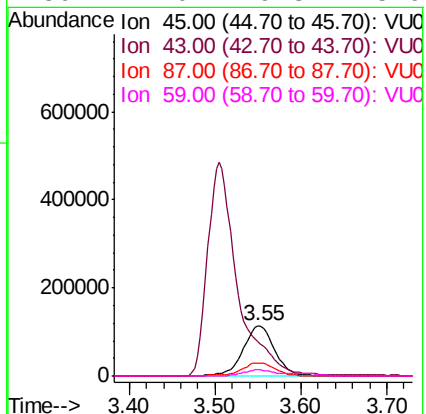
Ion Ratio Lower Upper

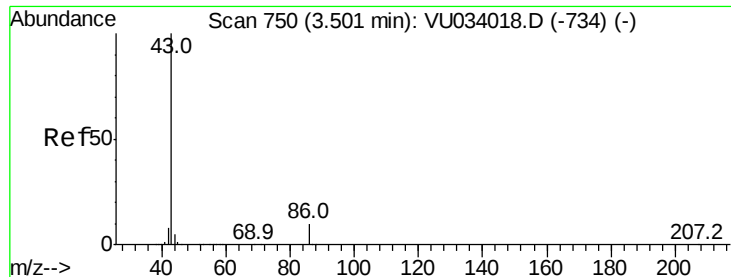
45 100

43 67.8 49.7 74.5

87 27.0 21.8 32.8

59 12.0 9.3 13.9





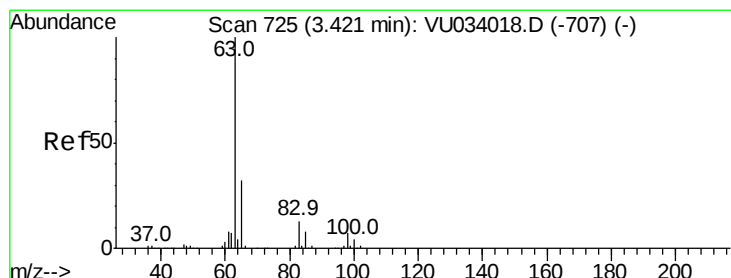
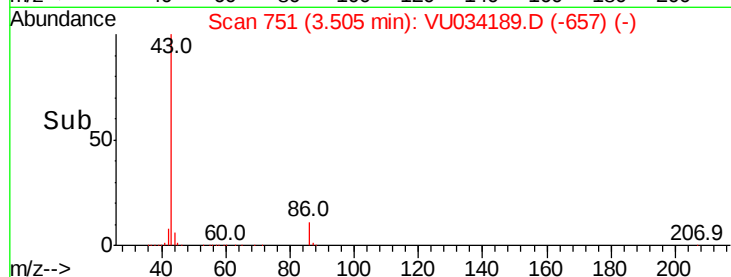
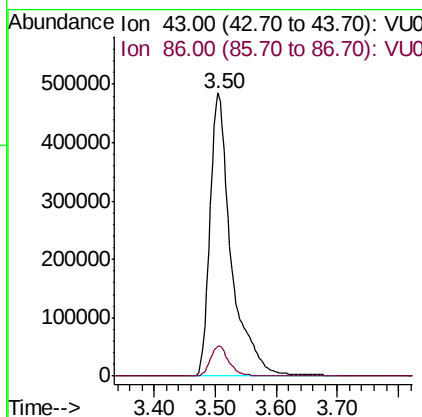
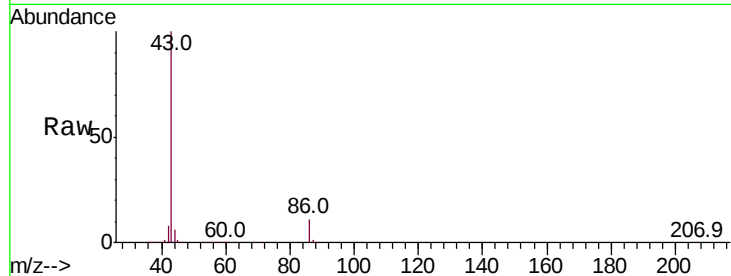
#23
 Vinyl Acetate
 Concen: 96.652 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion: 43 Resp: 1191142
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.3 12.5

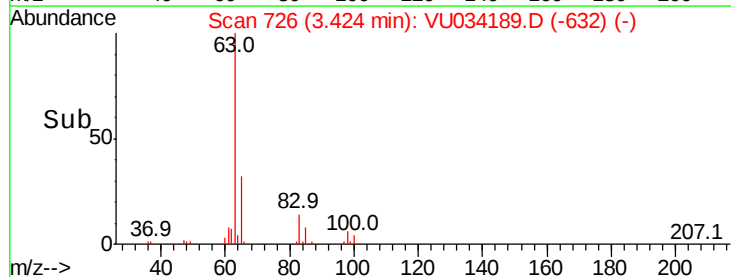
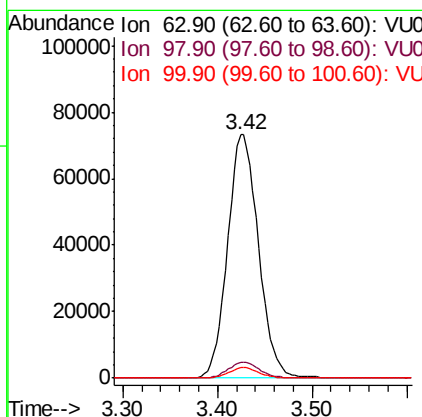
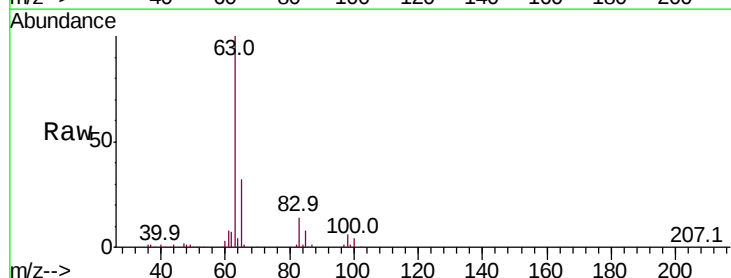
Manual Integrations
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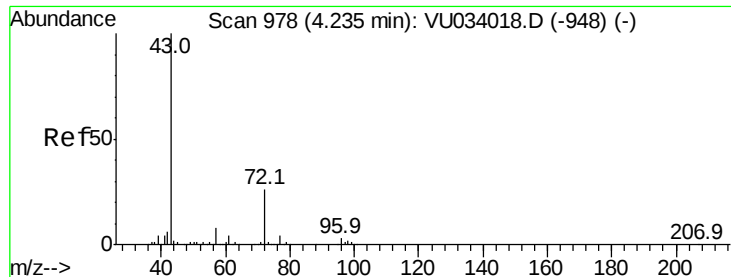
MMDadoda
 9/3/2019 1:09:28 PM



#24
 1,1-Dichloroethane
 Concen: 19.620 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion: 63 Resp: 166181
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 100.386 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 43 Resp: 379814

Ion Ratio Lower Upper

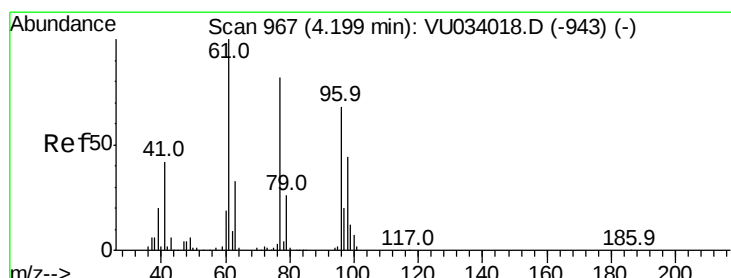
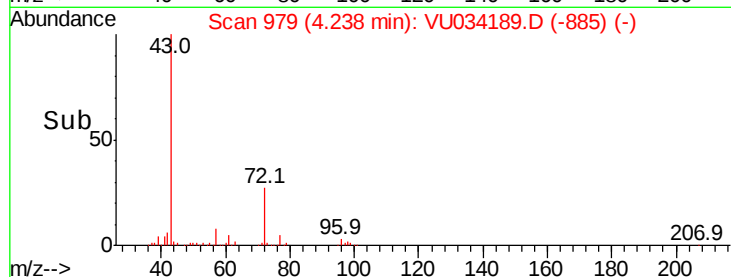
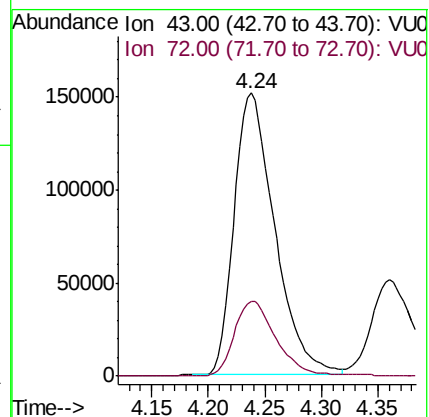
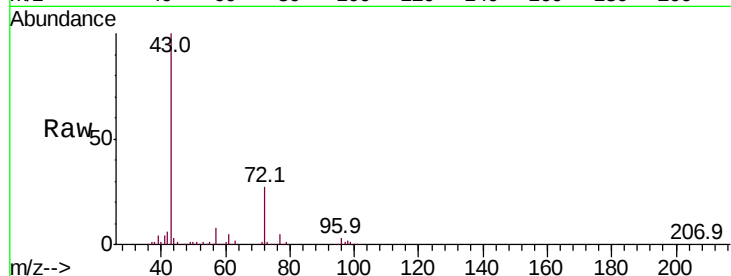
43 100

72 26.5 21.2 31.8

Manual Integrations
APPROVED

MMDadoda

9/3/2019 1:09:28 PM



#26

2,2-Dichloropropane

Concen: 19.584 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034189.D

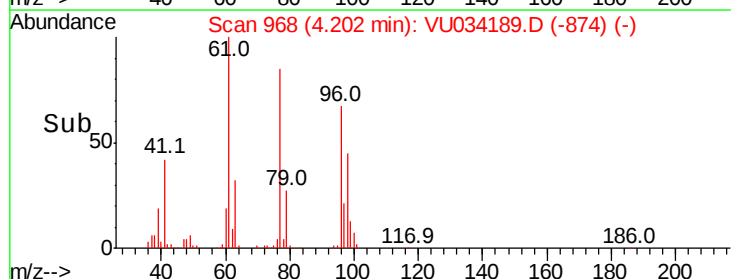
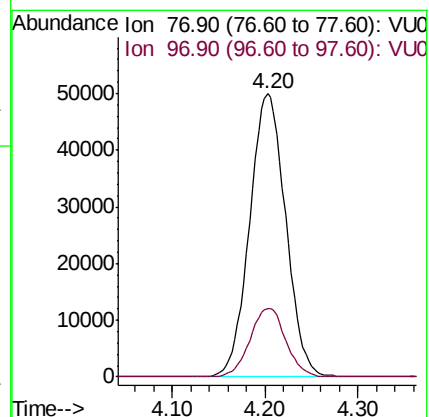
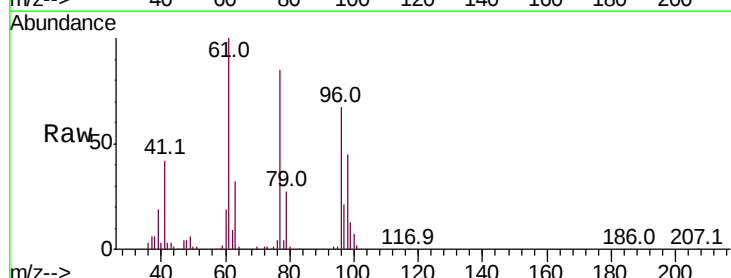
Acq: 02 Sep 2019 10:10

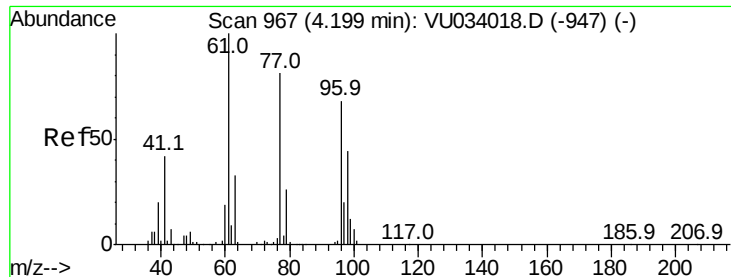
Tgt Ion: 77 Resp: 134976

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7





#27

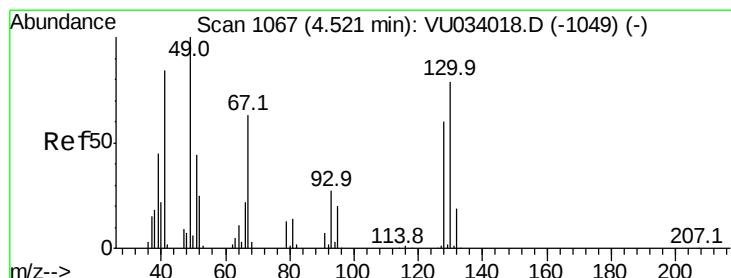
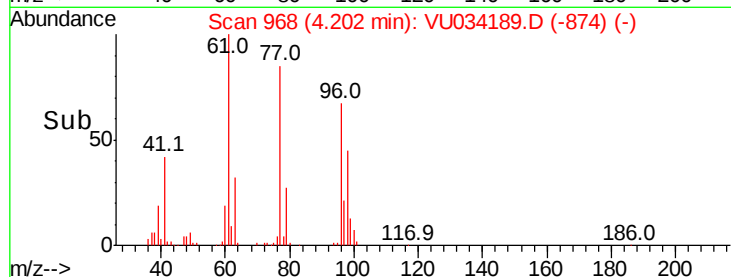
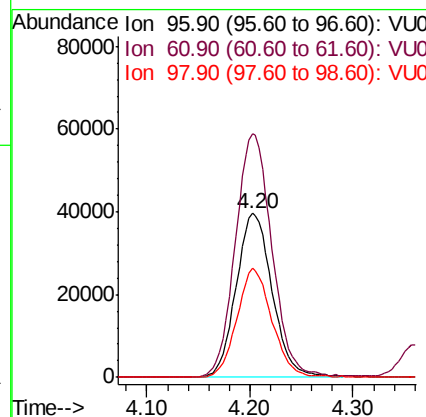
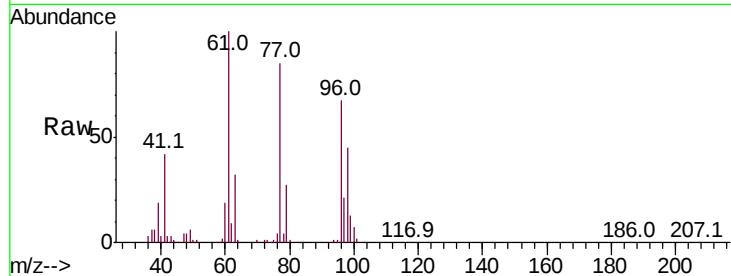
cis-1,2-Dichloroethene
 Concen: 19.043 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.2	0.0	303.0	
98	64.3	0.0	129.2	

Manual Integrations
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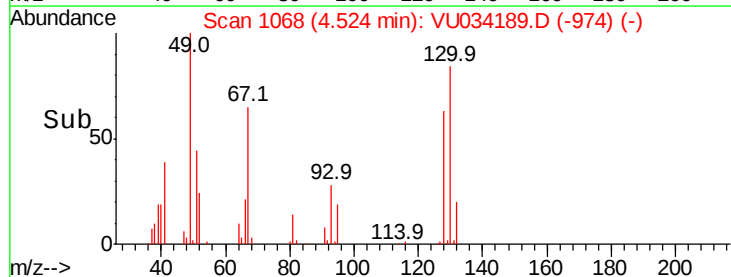
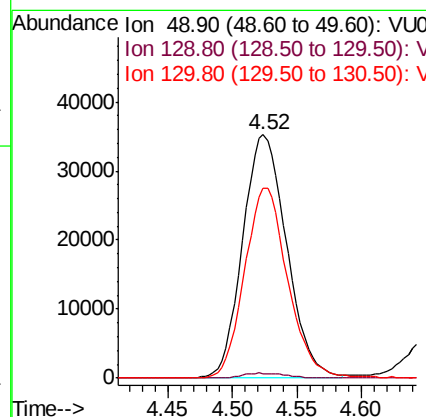
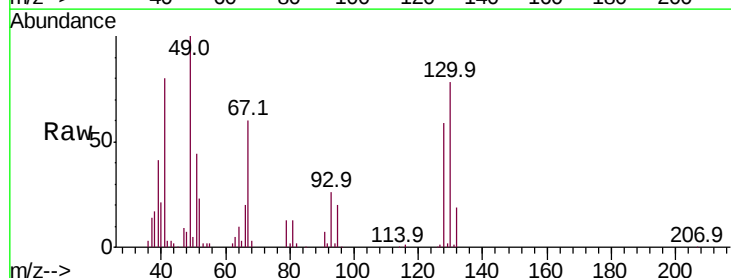
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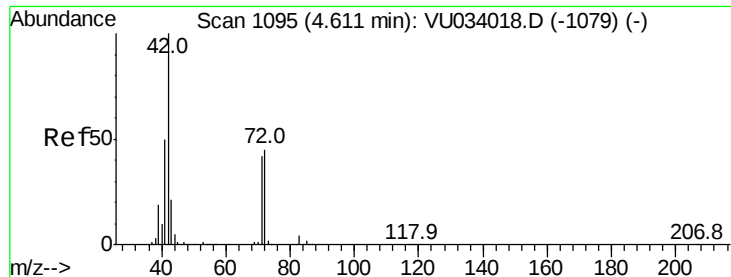


#28

Bromochloromethane
 Concen: 20.047 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.6	
130	77.0	62.8	94.2	





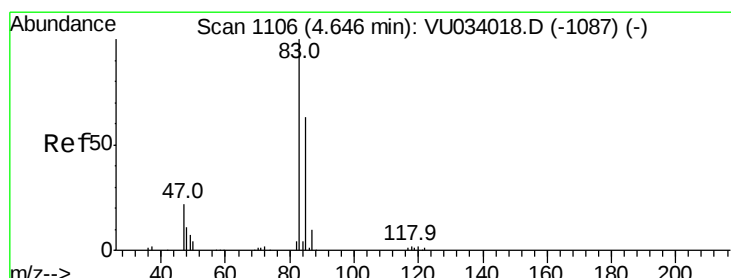
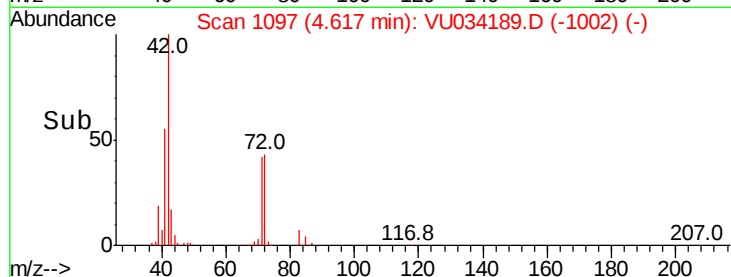
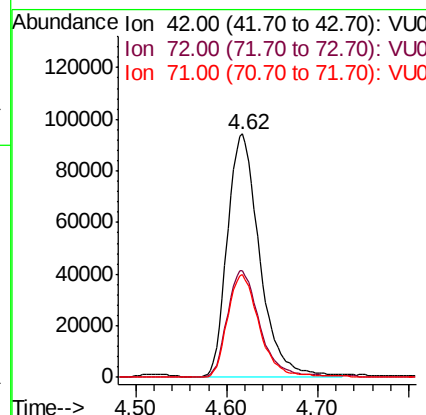
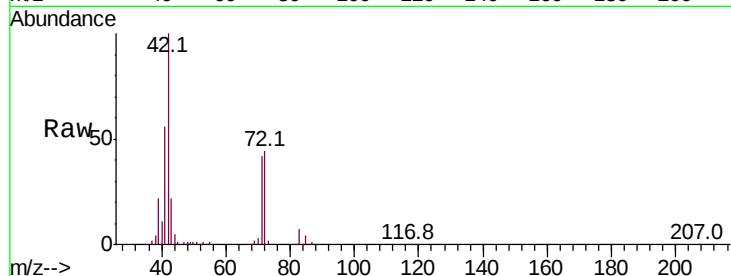
#29
Tetrahydrofuran
Concen: 99.108 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.8	53.6
71	41.7	34.0	51.0

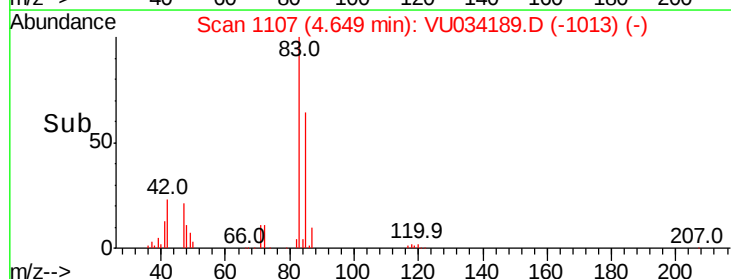
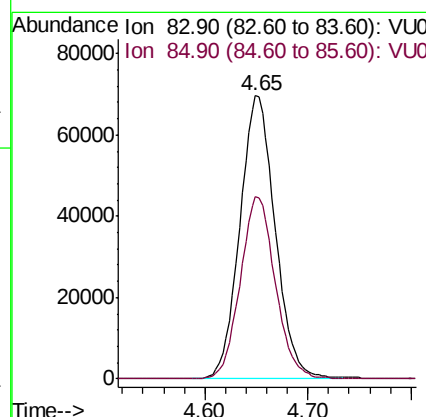
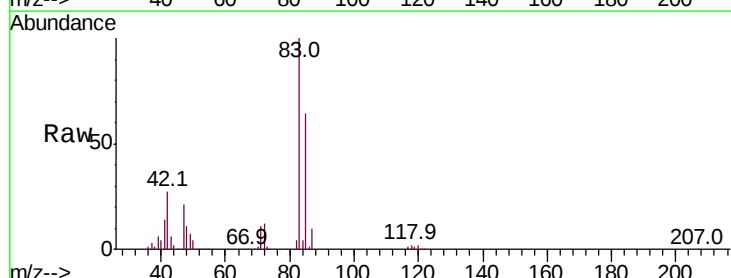
Manual Integrations
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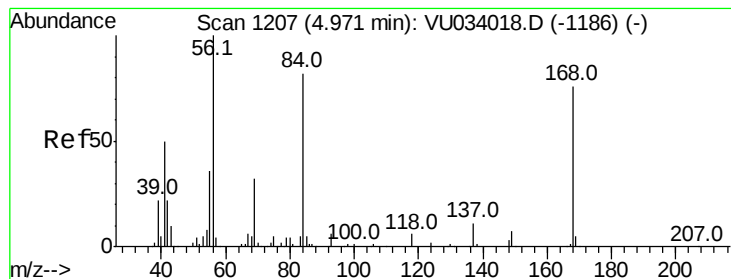
MMDadoda
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#30
Chloroform
Concen: 19.641 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1





#31

Cyclohexane

Concen: 18.177 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 56 Resp: 144670

Ion Ratio Lower Upper

56 100

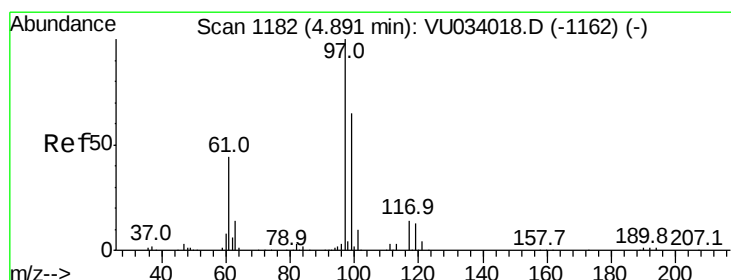
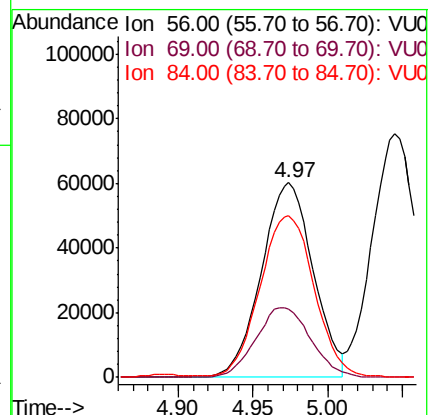
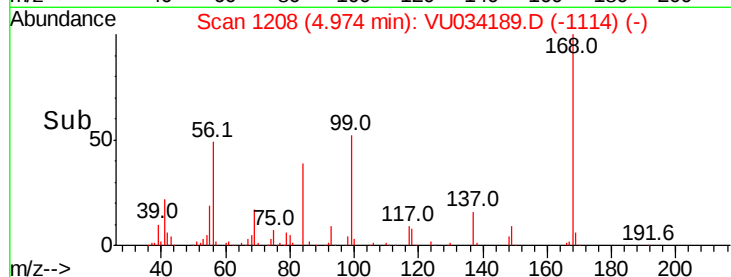
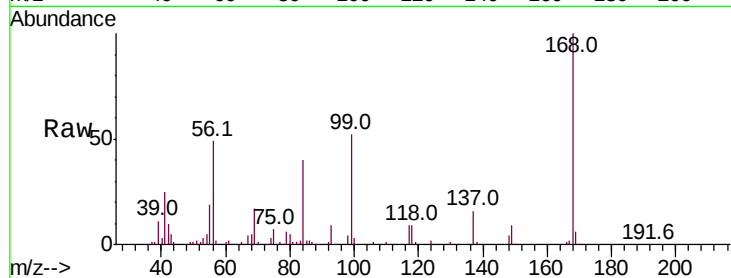
69 34.8 25.4 38.0

84 82.0 65.8 98.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.349 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

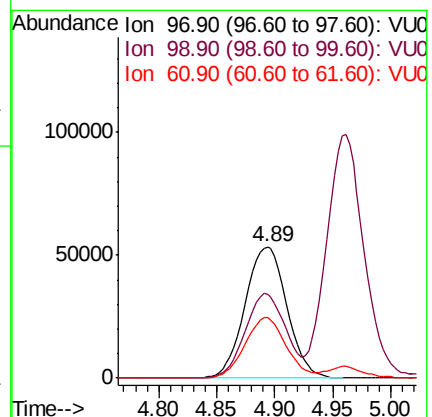
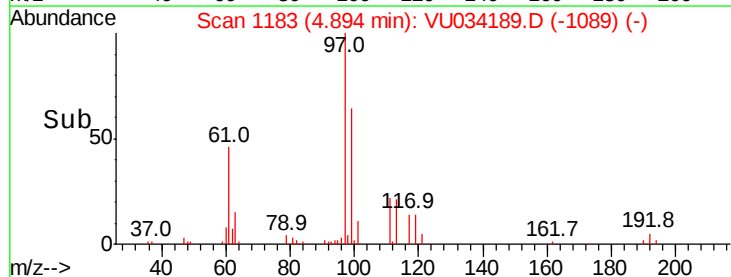
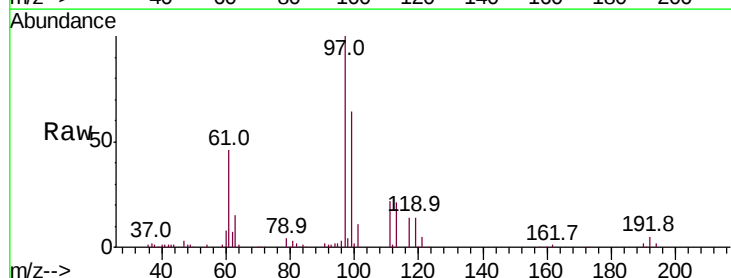
Tgt Ion: 97 Resp: 133920

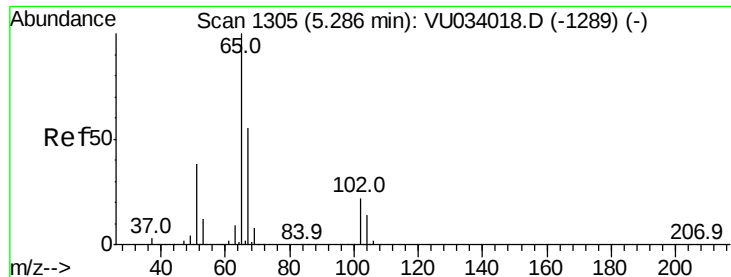
Ion Ratio Lower Upper

97 100

99 62.5 51.8 77.6

61 45.2 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 48.379 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 65 Resp: 257850

Ion Ratio Lower Upper

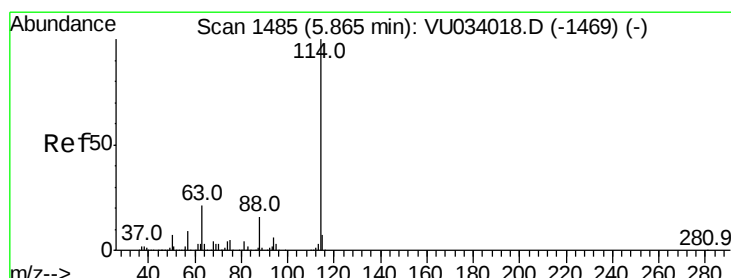
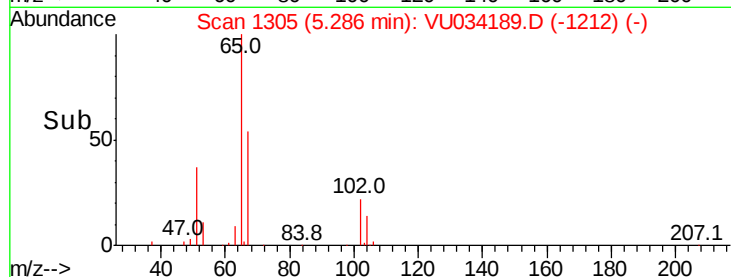
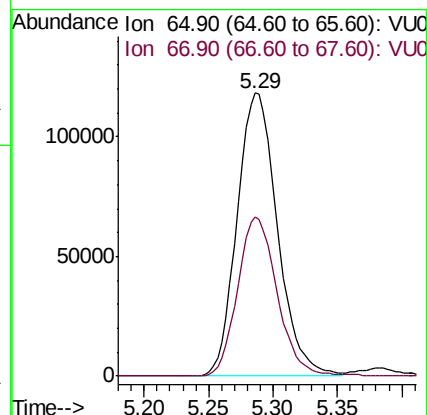
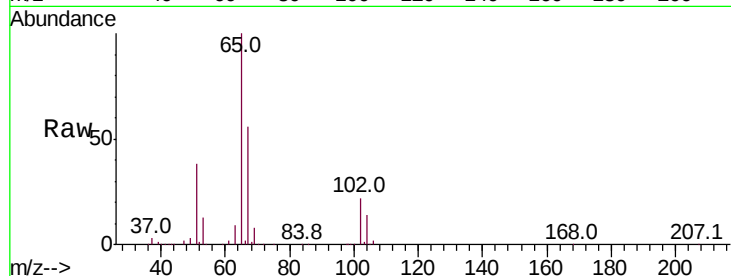
65 100

67 55.4 0.0 110.6

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

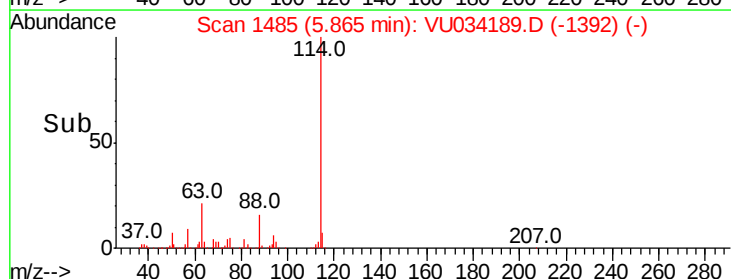
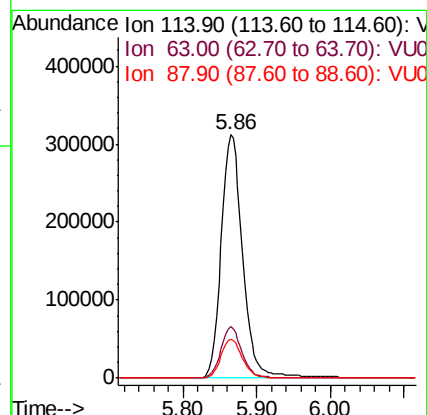
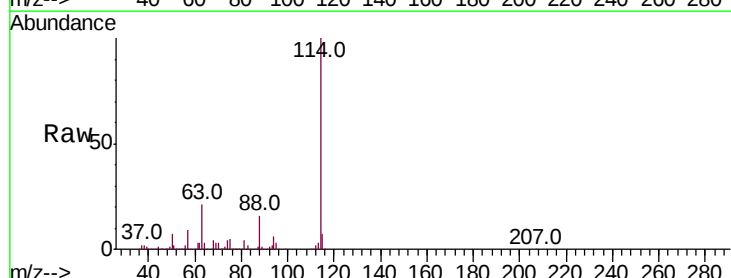
Tgt Ion: 114 Resp: 633225

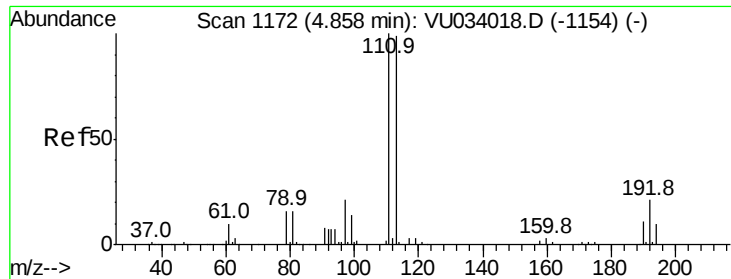
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.040 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

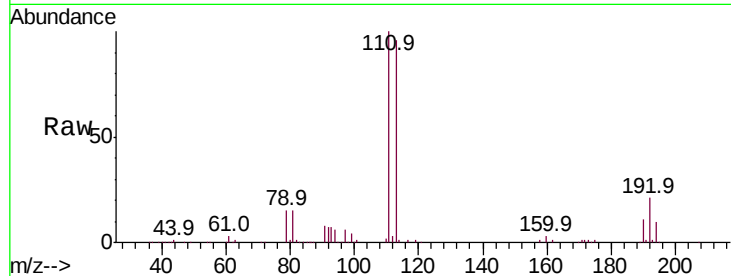
ClientSampleId :

VU0903WBS01

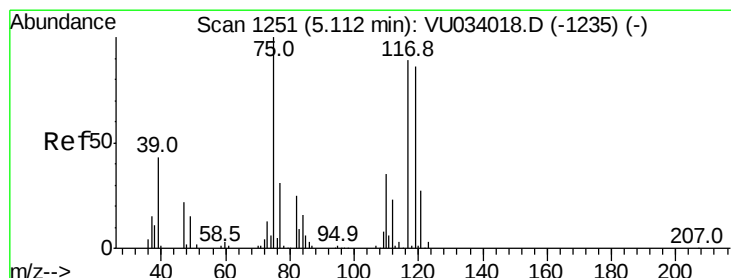
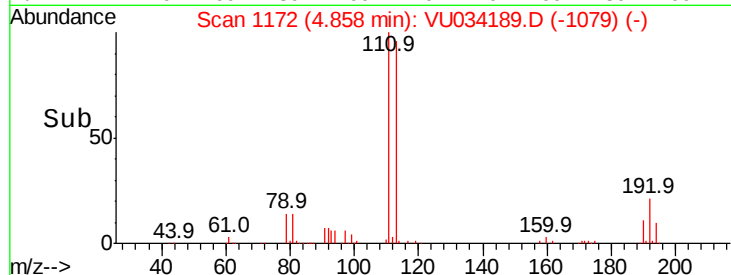
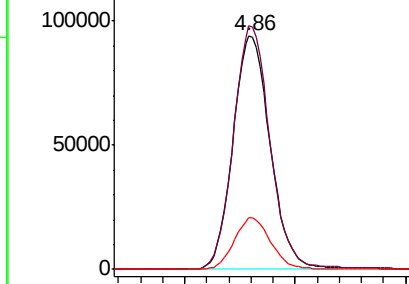
Tot Ion:	113	Resp:	219776
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.7	122.5
192	21.6	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.462 ug/l

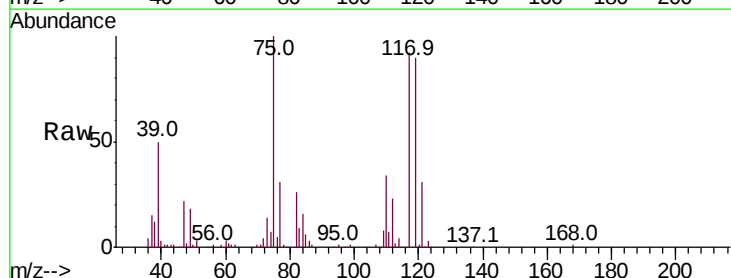
RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

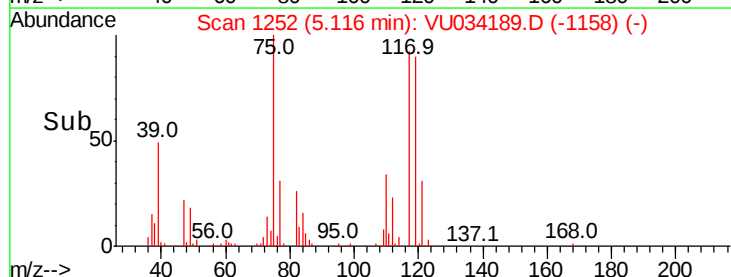
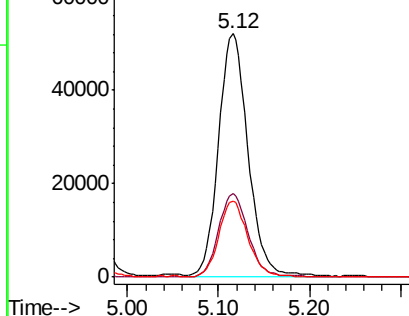
Lab File: VU034189.D

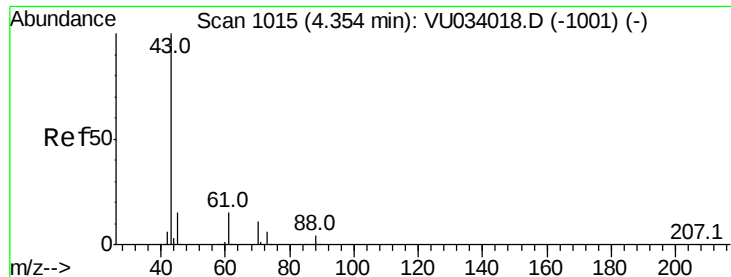
Acq: 02 Sep 2019 10:10

Tgt Ion:	75	Resp:	116565
Ion Ratio	Lower	Upper	
75	100		
110	34.8	17.8	53.5
77	30.2	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 19.579 ug/l

RT: 4.36 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

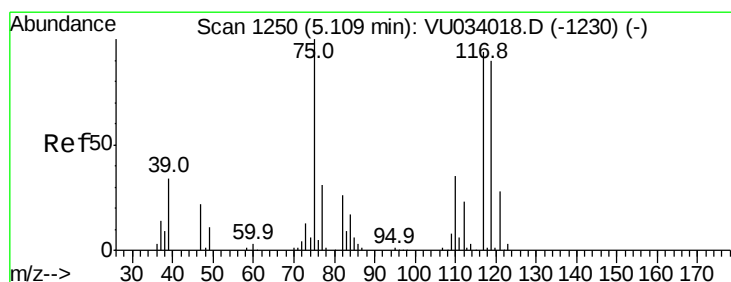
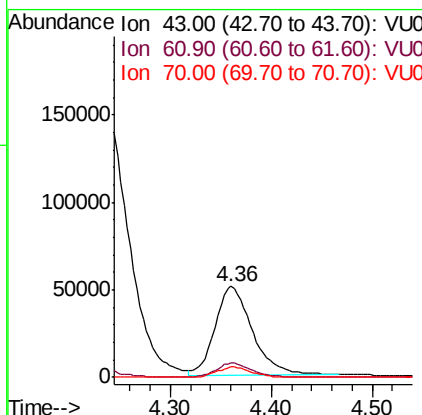
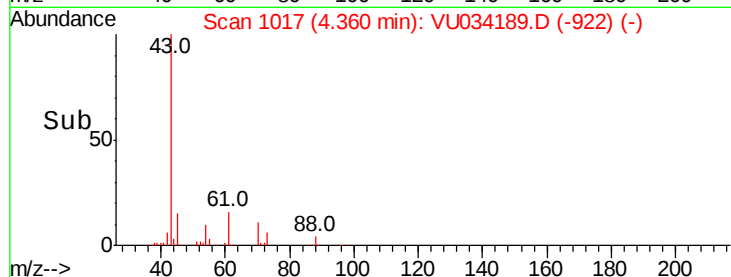
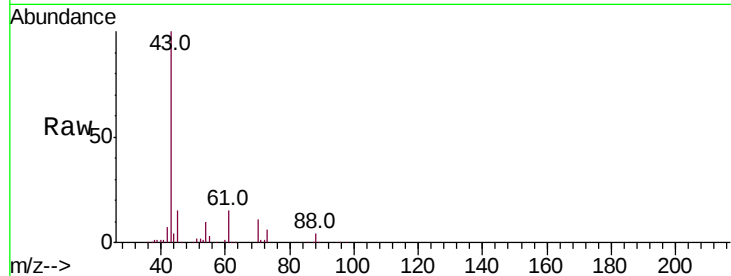
Instrument :
MSVOA_U

ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	11.1	8.6	12.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.644 ug/l

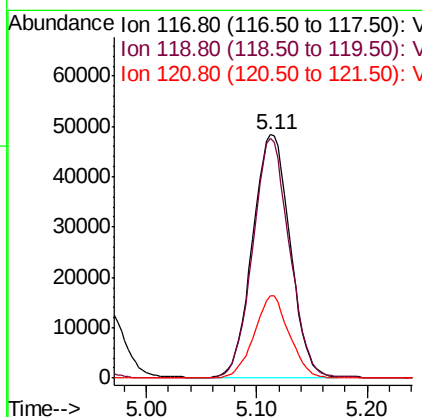
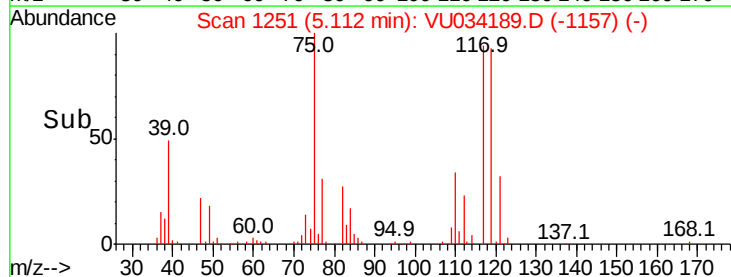
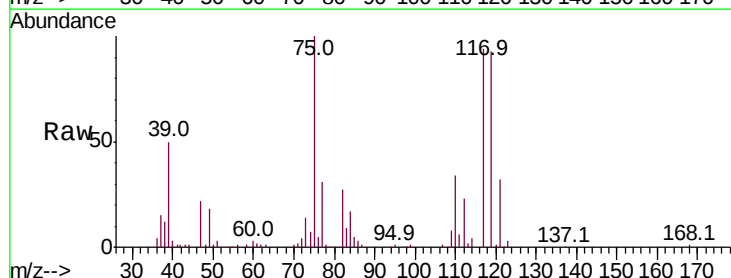
RT: 5.11 min Scan# 1251

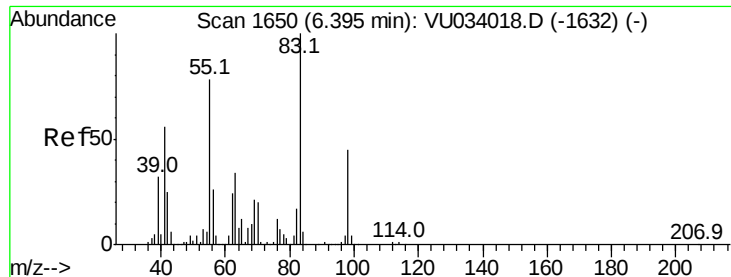
Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.0	115.4
121	33.7	23.9	35.9





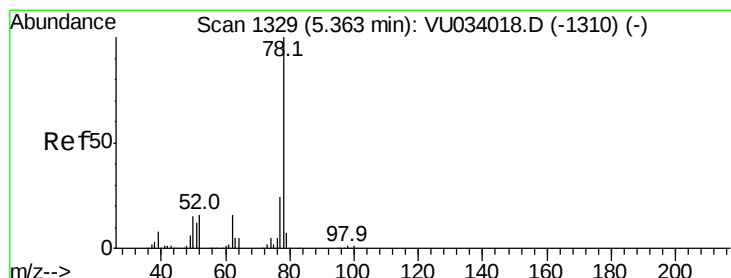
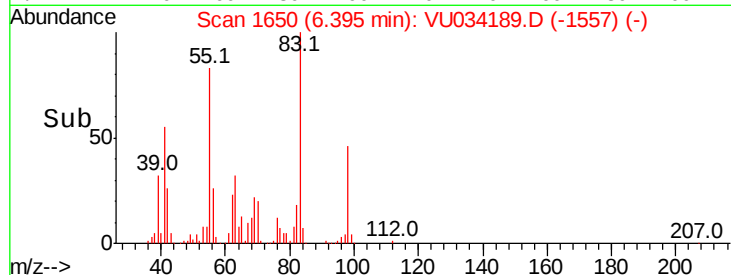
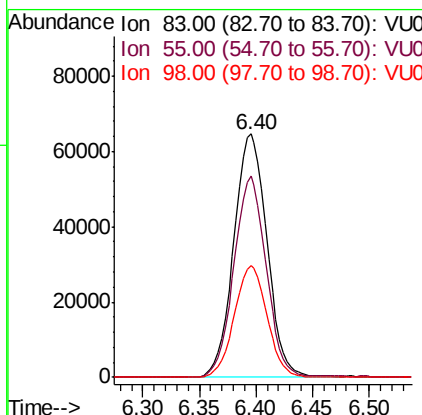
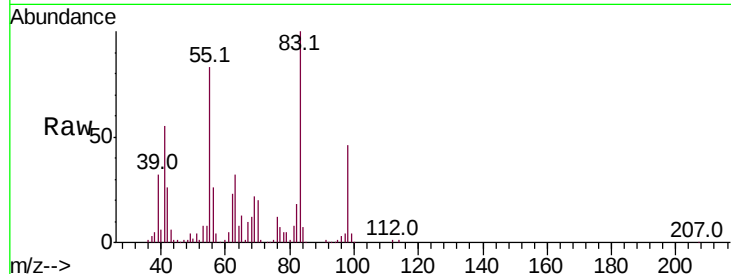
#39
Methvlcvclohexane
Concen: 18.791 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	62.3	93.5
98	46.0	36.2	54.2

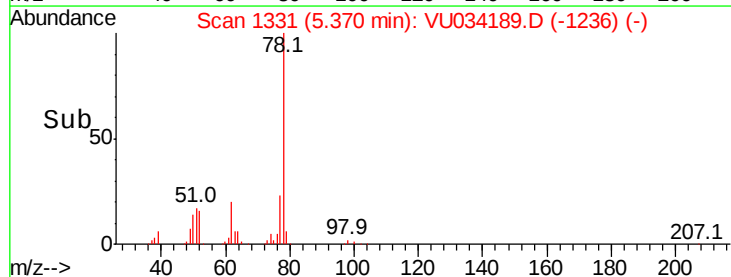
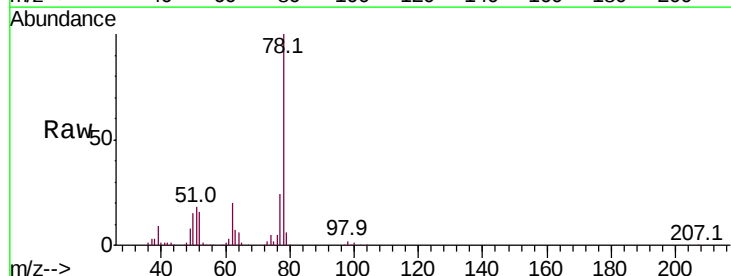
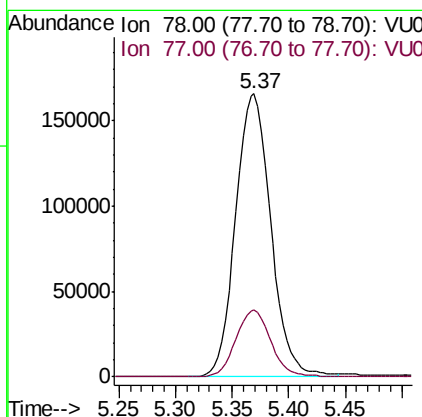
Manual Integrations
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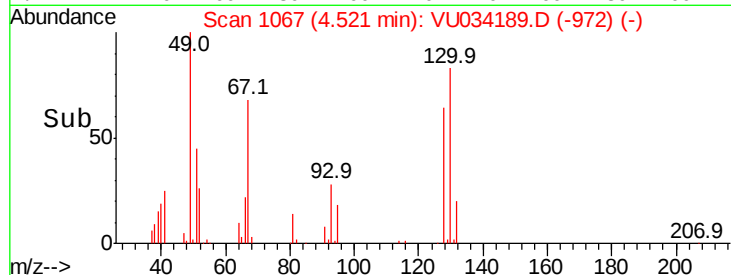
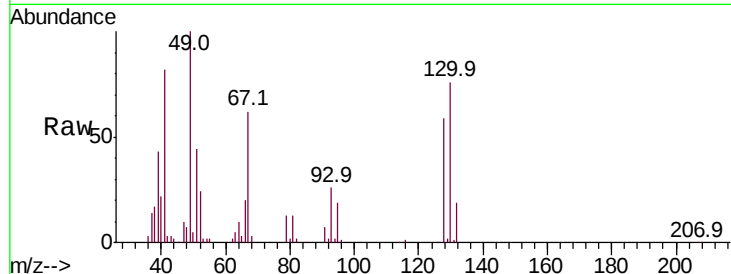
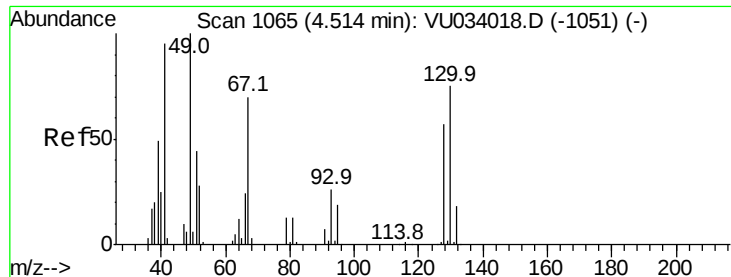
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#40
Benzene
Concen: 19.935 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

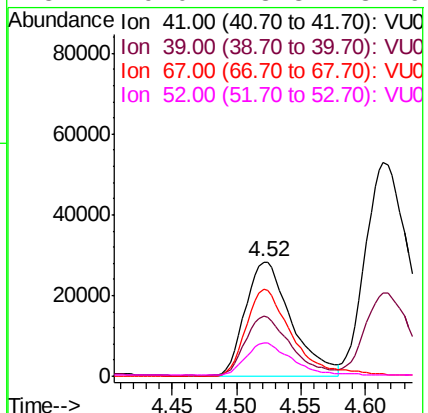
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41
Methacrylonitrile
Concen: 20.370 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

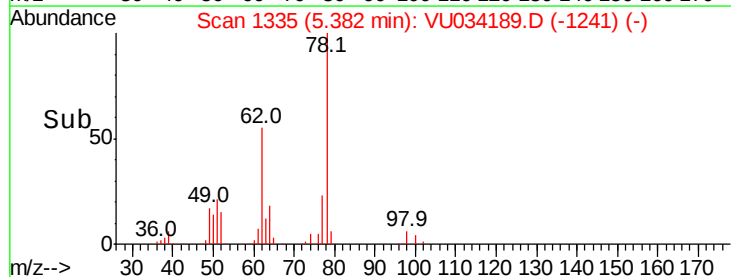
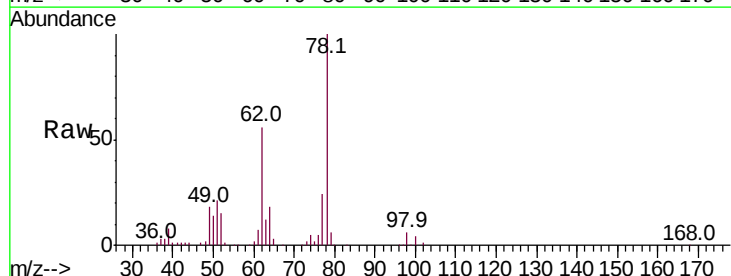
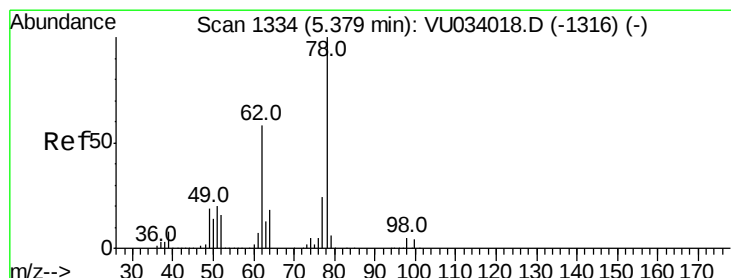
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	42.1	63.1	
67	77.3	61.0	91.4	
52	29.0	23.3	34.9	



Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

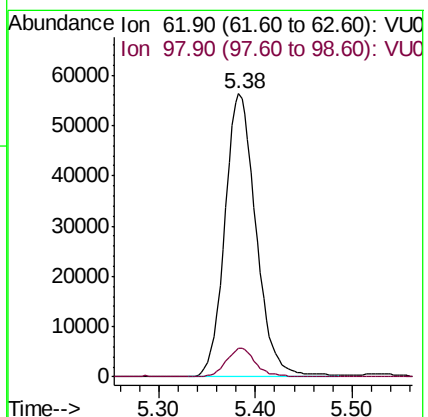
Manual Integrations
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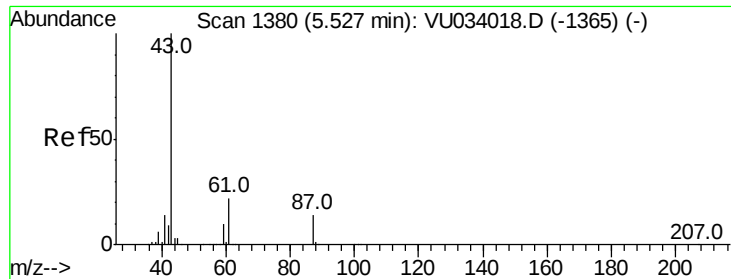
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#42
1,2-Dichloroethane
Concen: 20.153 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.2	





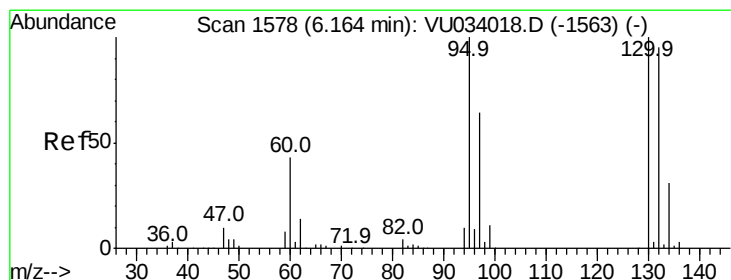
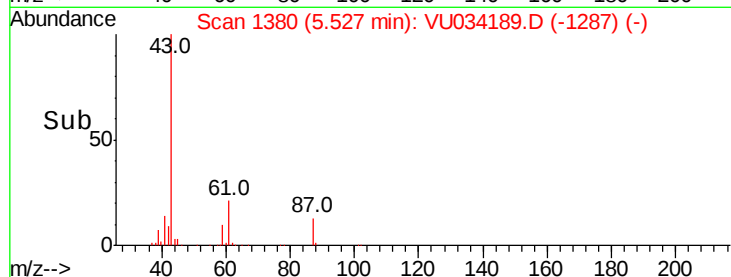
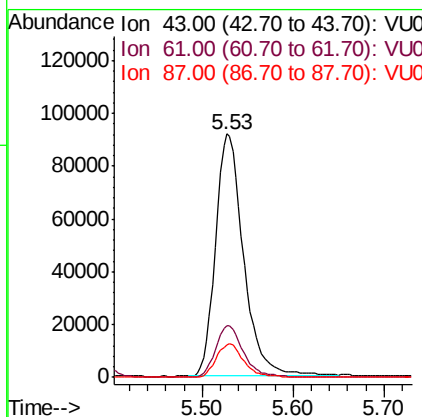
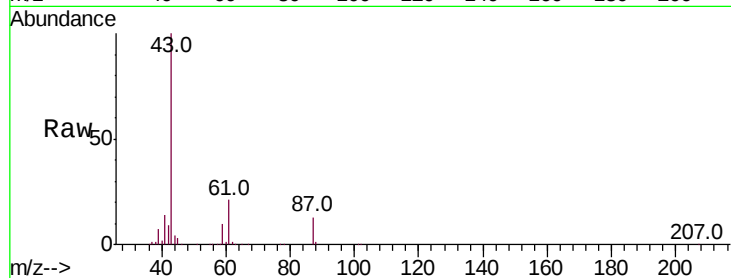
#43
Isopropyl Acetate
Concen: 19.301 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.2	25.8
87	13.6	10.8	16.2

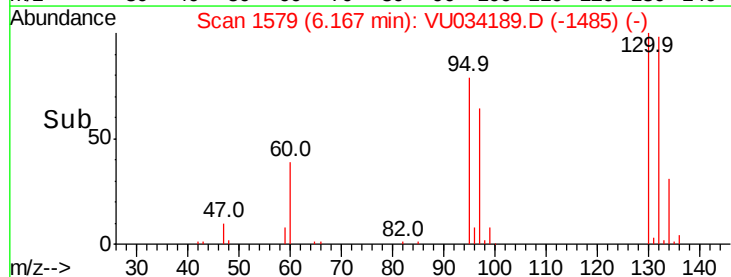
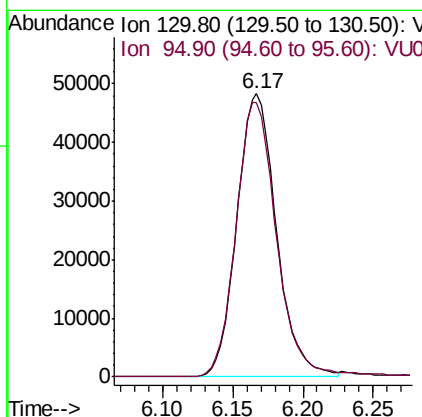
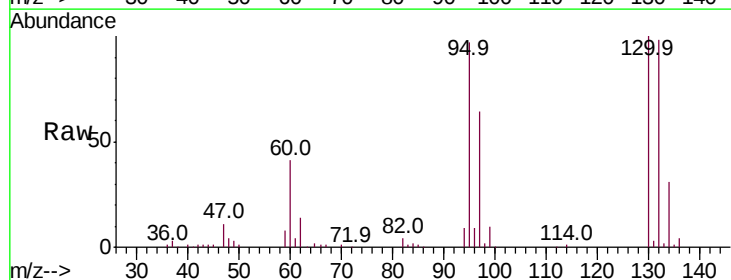
Manual Integrations
APPROVED

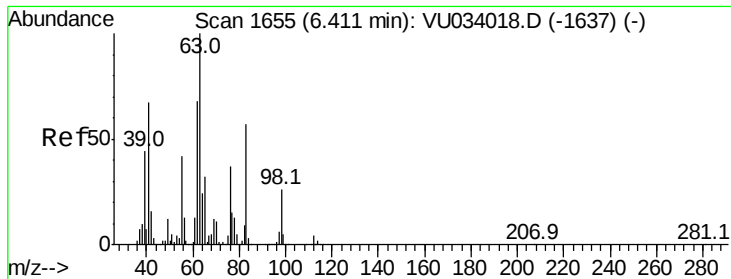
MMDadoda
9/3/2019 1:09:28 PM



#44
Trichloroethene
Concen: 19.991 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	199.6





#45

1,2-Dichloropropane

Concen: 20.086 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 63 Resp: 100195

Ion Ratio Lower Upper

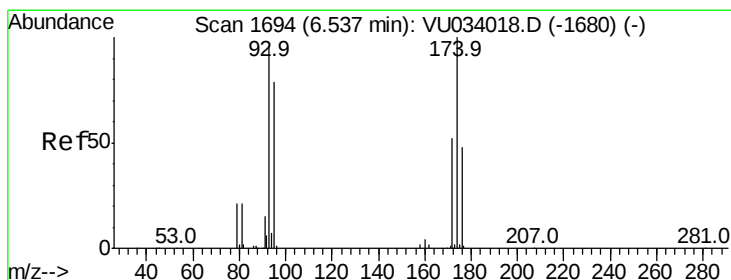
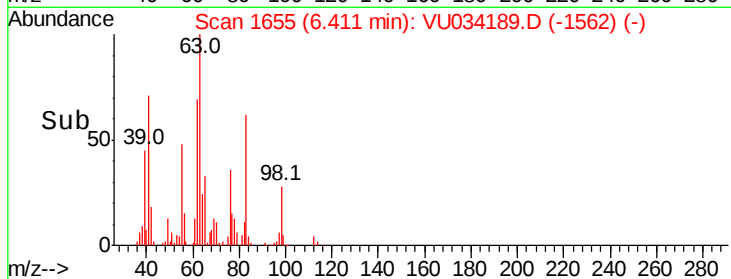
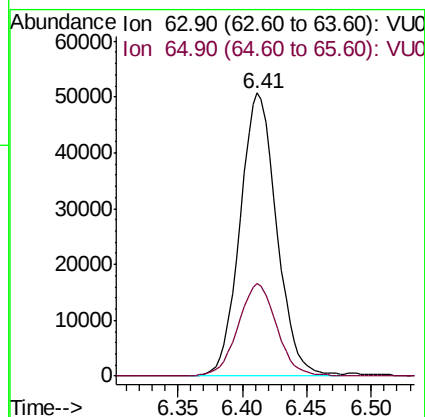
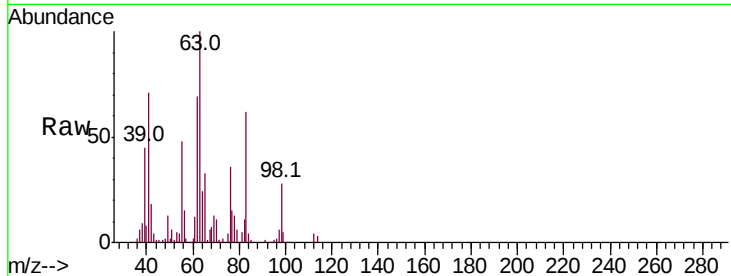
63 100

65 32.9 25.4 38.2

Manual Integrations
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#46

Dibromomethane

Concen: 20.228 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

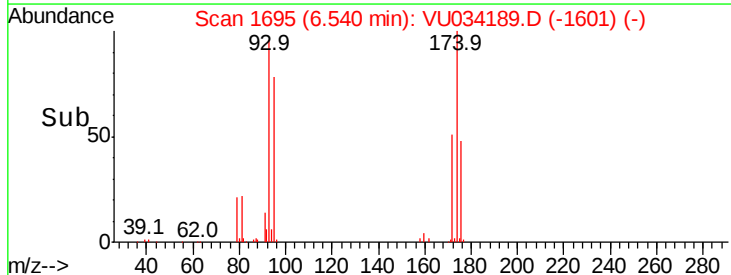
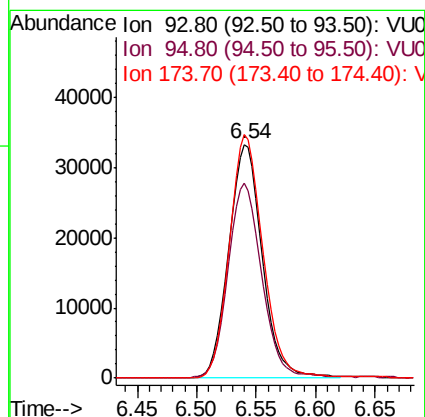
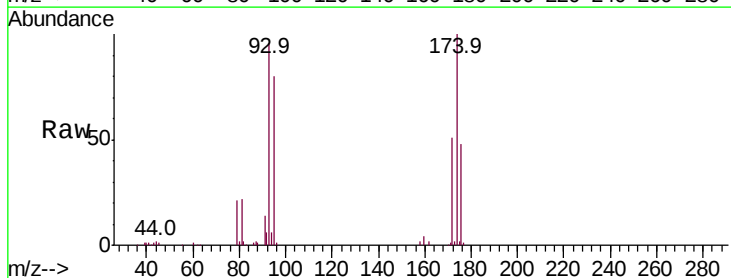
Tgt Ion: 93 Resp: 65009

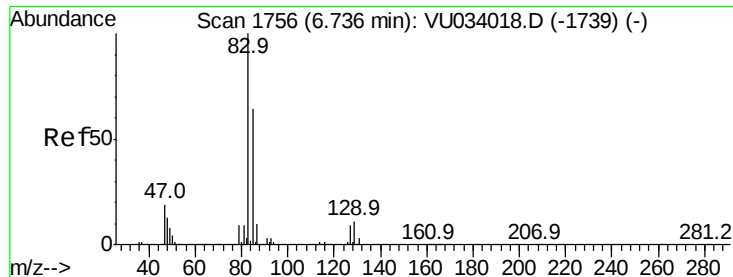
Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

174 104.0 84.9 127.3





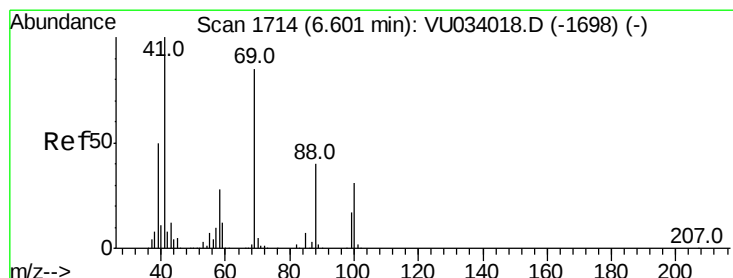
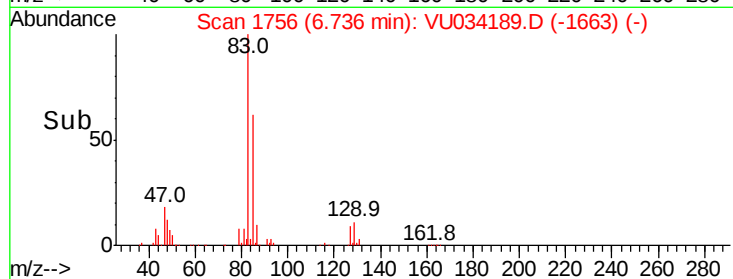
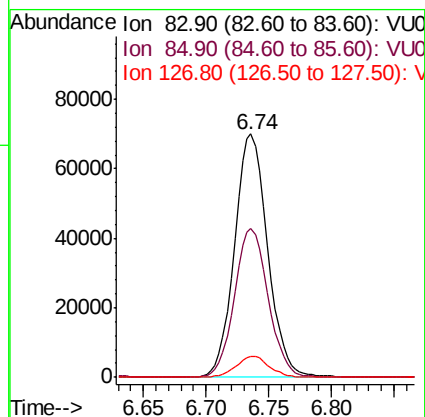
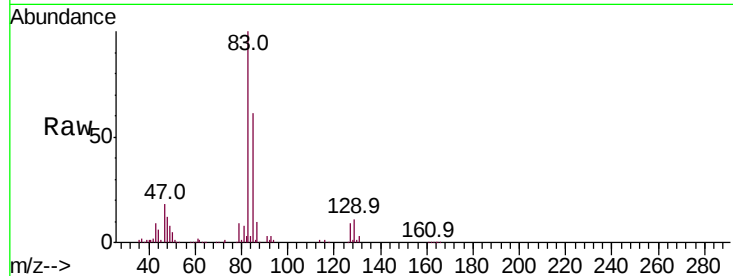
#47
Bromodichloromethane
Concen: 20.458 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	128638		
85	61.2	51.2	76.8	
127	8.7	7.0	10.6	

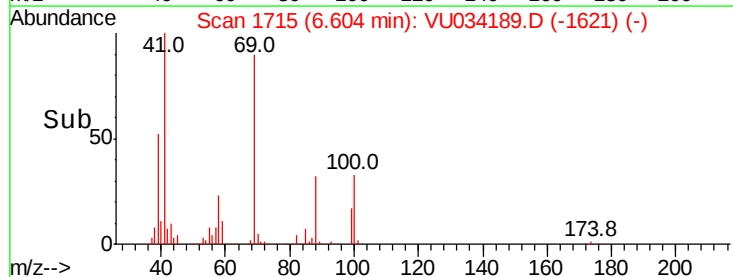
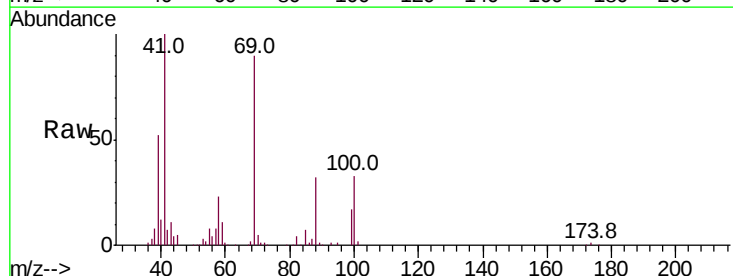
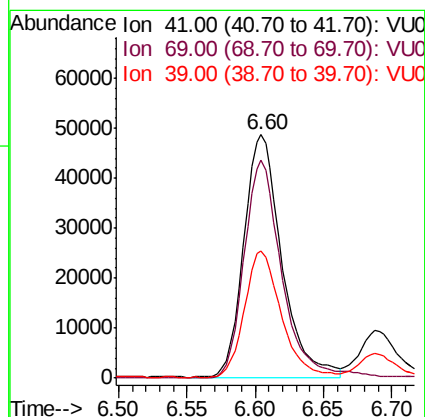
Manual Integrations
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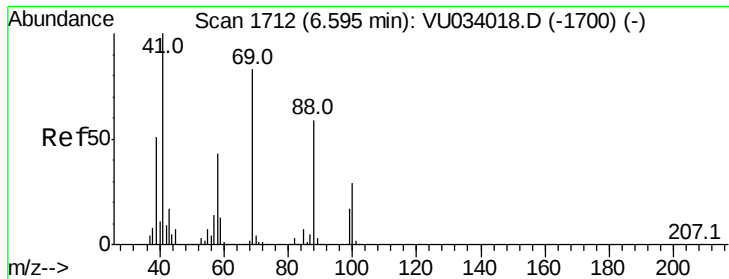
MMDadoda
9/3/2019 1:09:28 PM



#48
Methyl methacrylate
Concen: 18.923 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	93173		
69	90.8	69.5	104.3	
39	50.7	40.3	60.5	





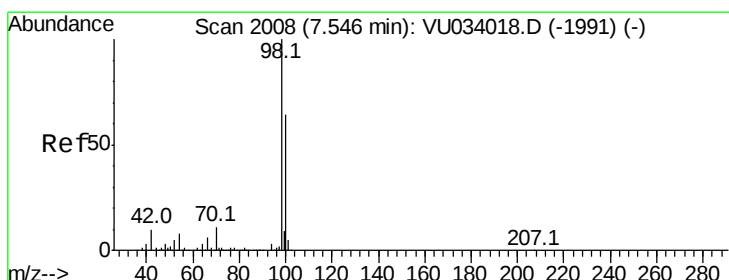
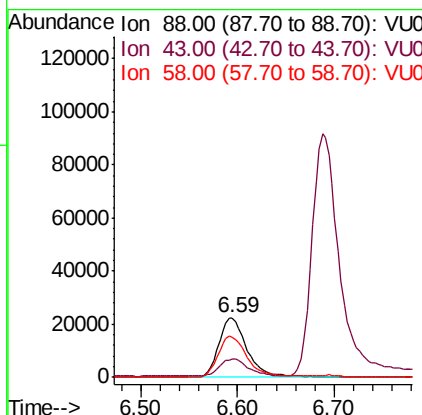
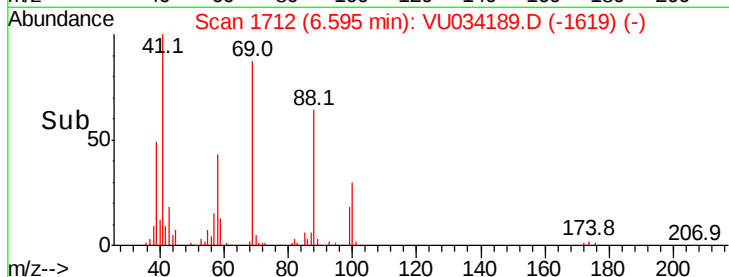
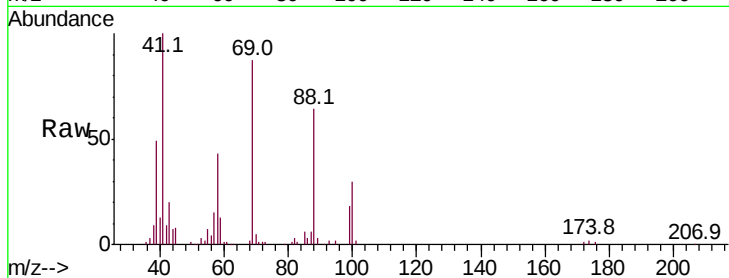
#49
1,4-Dioxane
Concen: 363.073 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	88	Resp	44793
Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.8	37.2
58	72.8	59.3	88.9

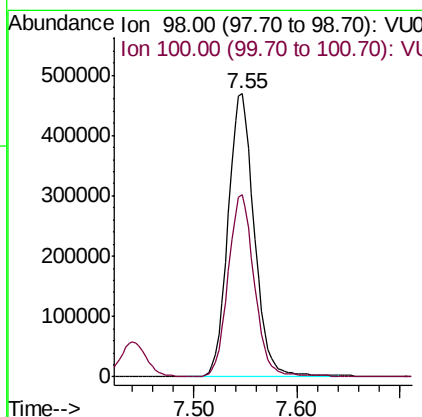
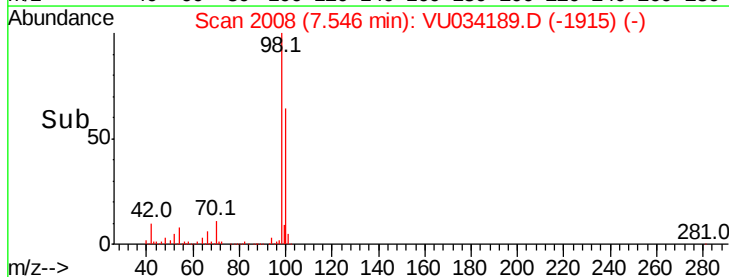
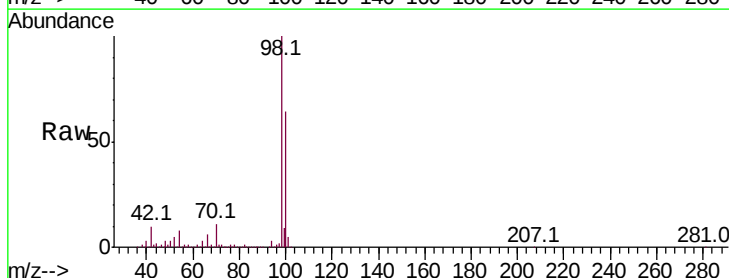
Manual Integrations
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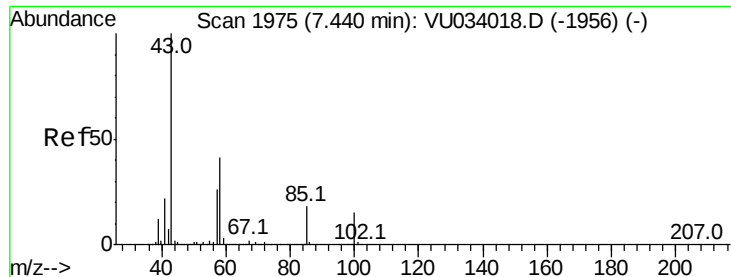
MMDadoda
9/3/2019 1:09:28 PM



#50
Toluene-d8
Concen: 50.705 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	98	Resp	833861
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 97.695 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 43 Resp: 688445

Ion Ratio Lower Upper

43 100

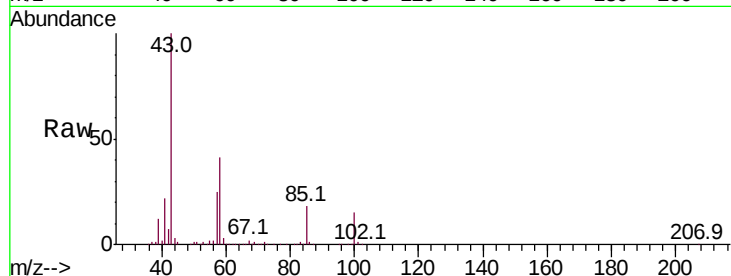
58 40.2 32.2 48.4

Manual Integrations

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MMDadoda

9/3/2019 1:09:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)

7.44

400000

300000

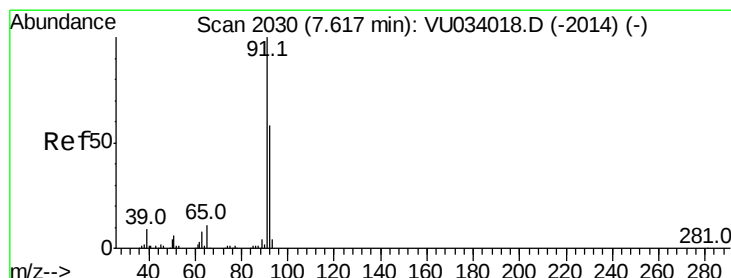
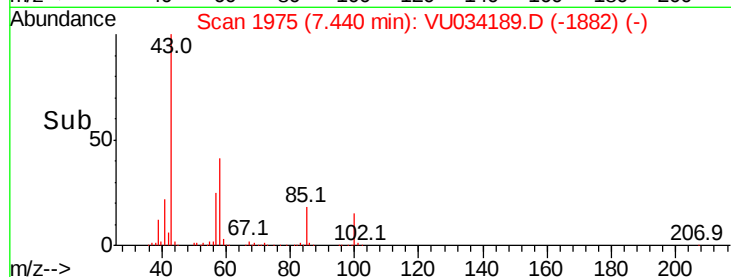
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 20.169 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034189.D

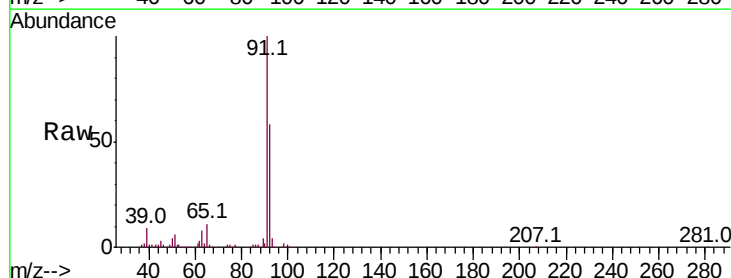
Acq: 02 Sep 2019 10:10

Tgt Ion: 92 Resp: 225150

Ion Ratio Lower Upper

92 100

91 173.8 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2014) (-)

250000

200000

150000

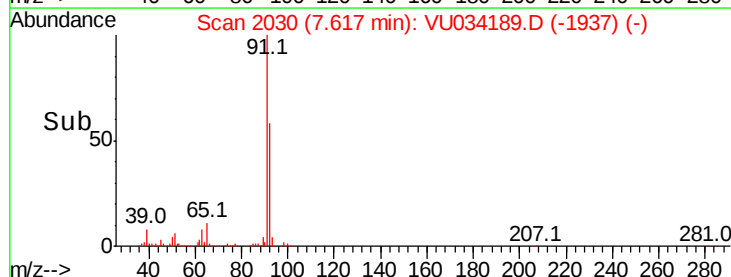
100000

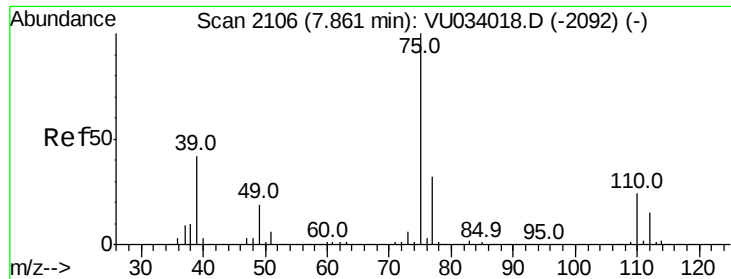
50000

0

7.60 7.70

Time-->





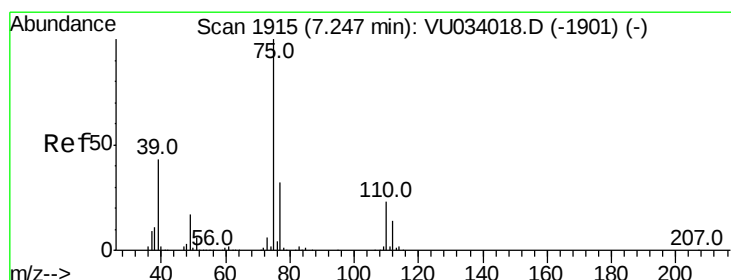
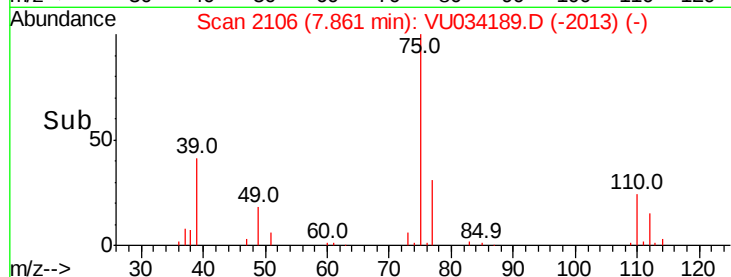
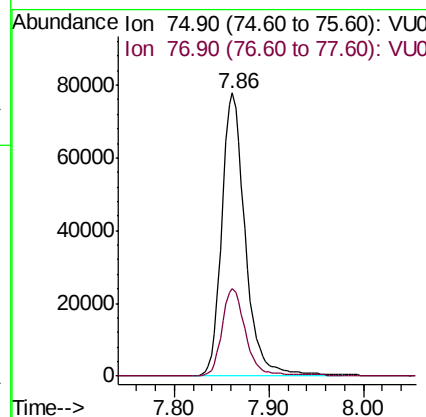
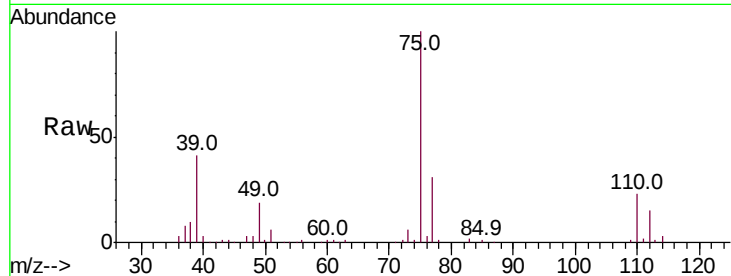
#53
 t-1,3-Dichloropropene
 Concen: 19.250 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	75	Resp	134306
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.4	38.0

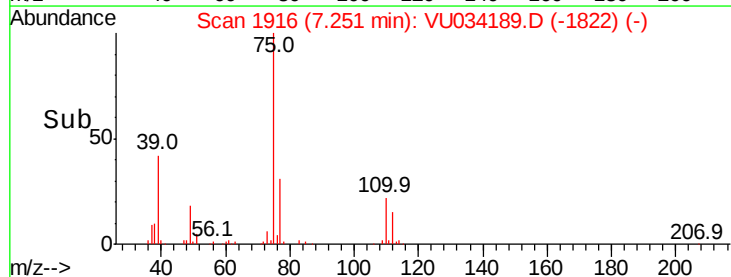
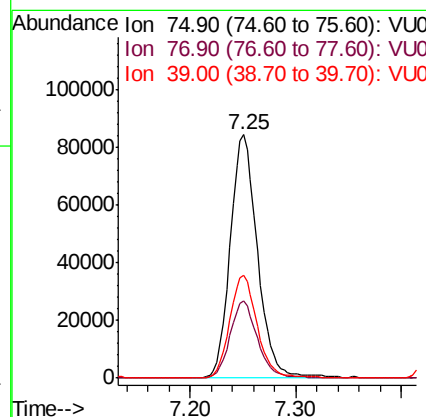
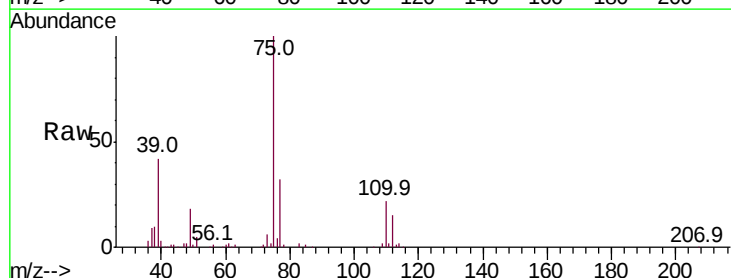
Manual Integrations
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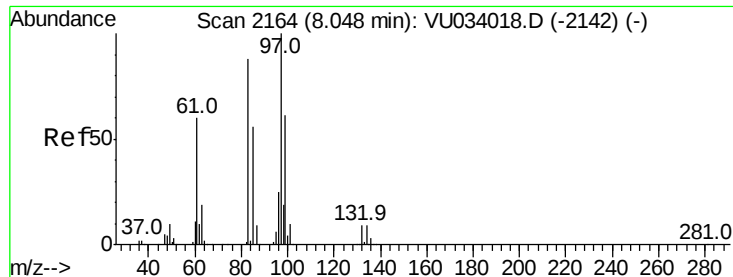
MMDadoda
 9/3/2019 1:09:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.837 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	75	Resp	151206
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.2	37.8
39	42.2	34.6	51.8





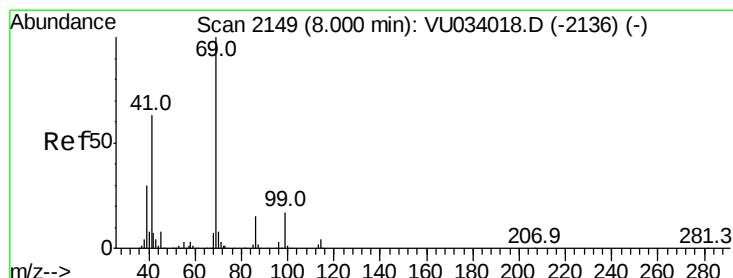
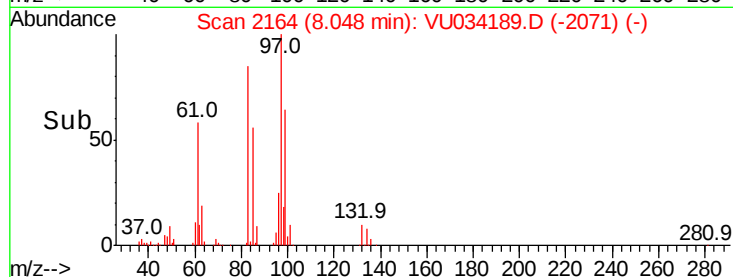
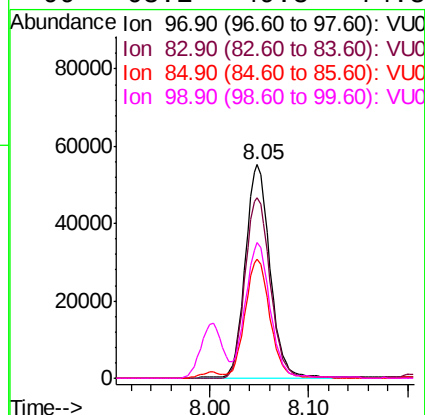
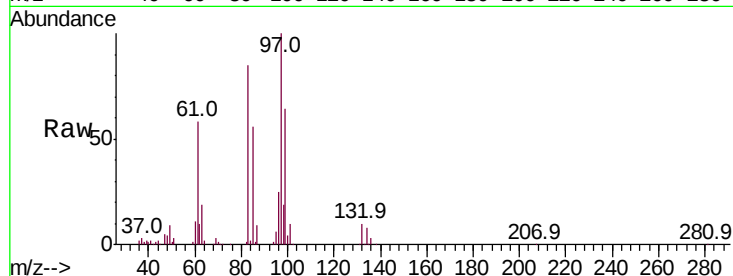
#55
 1,1,2-Trichloroethane
 Concen: 20.291 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.1	105.1
85	55.4	45.0	67.4
99	63.1	49.8	74.8

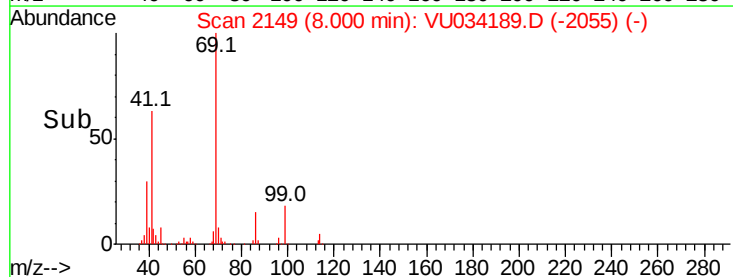
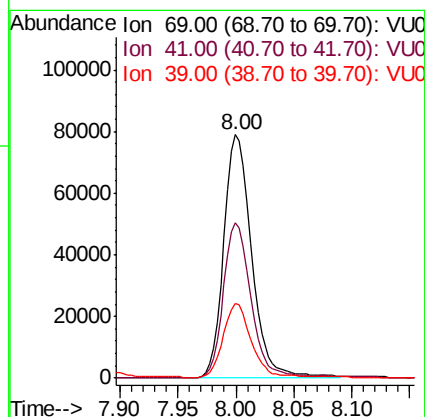
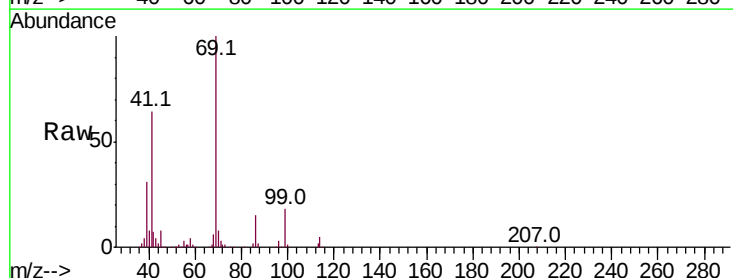
Manual Integrations
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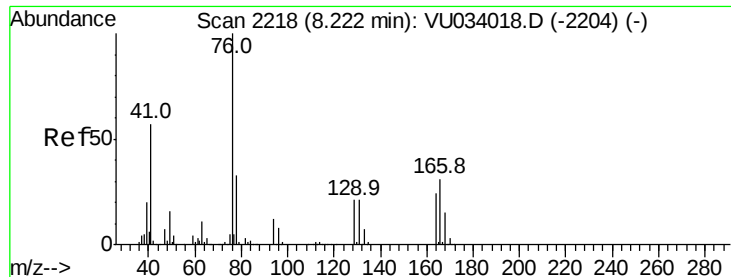
MMDadoda
 9/3/2019 1:09:28 PM



#56
 Ethyl methacrylate
 Concen: 17.542 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	50.7	76.1
39	30.7	24.2	36.2





#57

1,3-Dichloropropane

Concen: 19.719 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 76 Resp: 158102

Ion Ratio Lower Upper

76 100

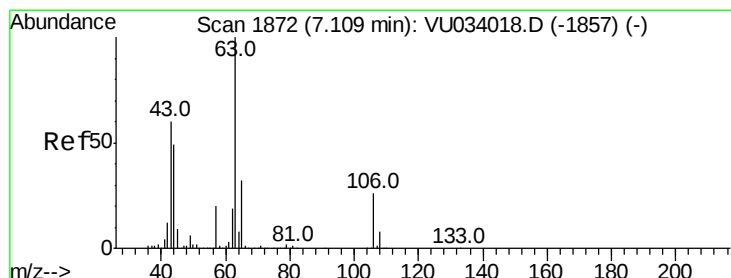
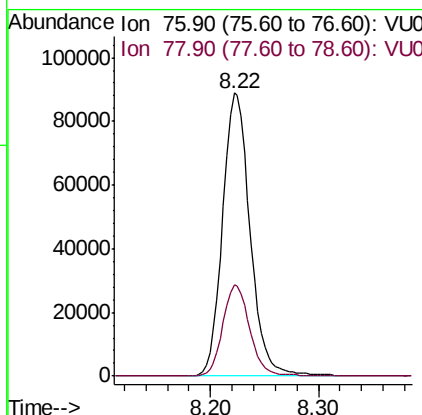
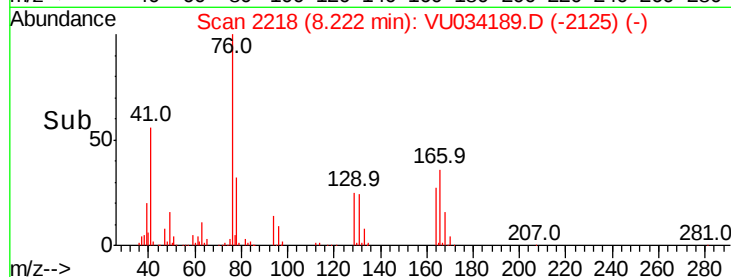
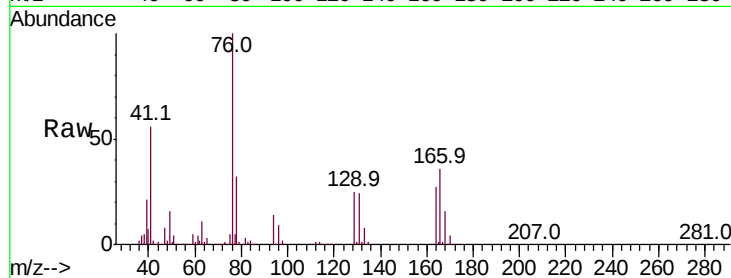
78 31.2 26.2 39.4

Manual Integrations

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MMDadoda

9/3/2019 1:09:28 PM



#58

2-Chloroethyl Vinyl ether

Concen: 86.240 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034189.D

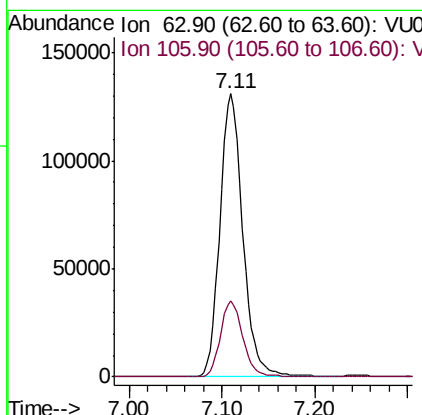
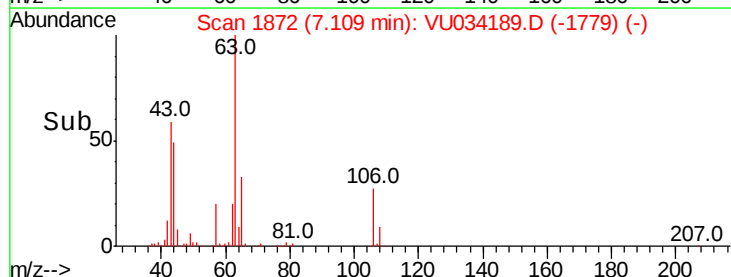
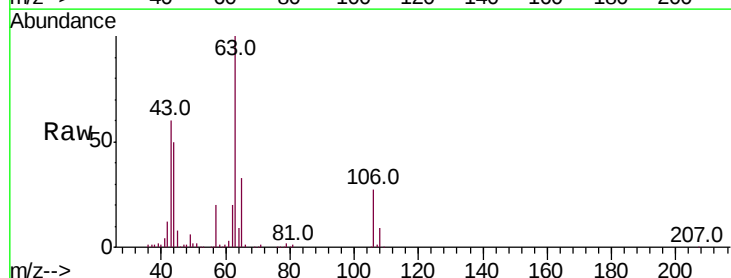
Acq: 02 Sep 2019 10:10

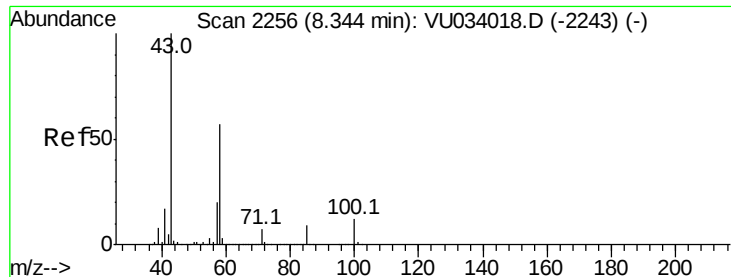
Tgt Ion: 63 Resp: 225285

Ion Ratio Lower Upper

63 100

106 26.3 20.7 31.1





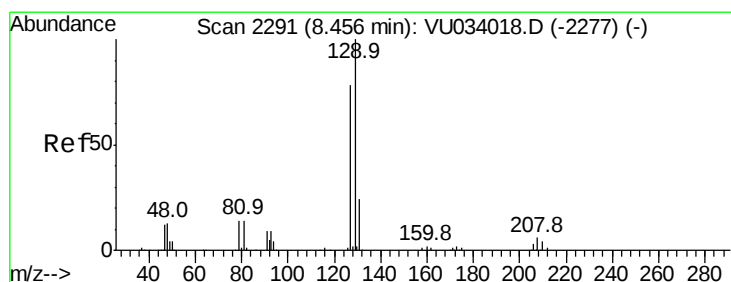
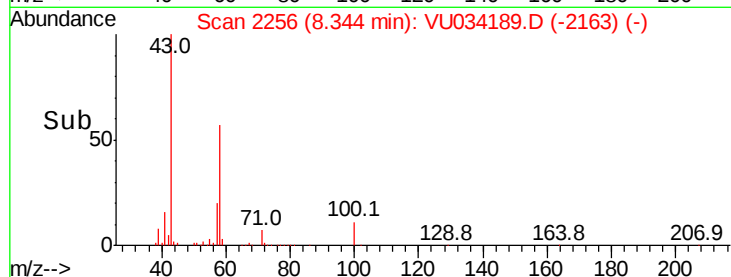
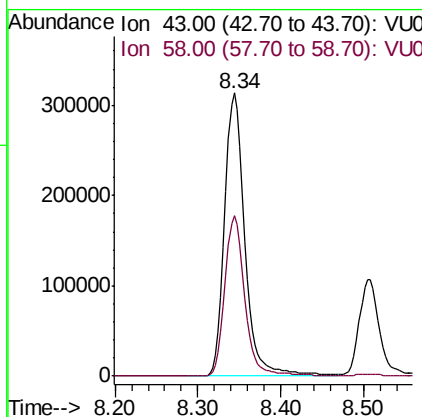
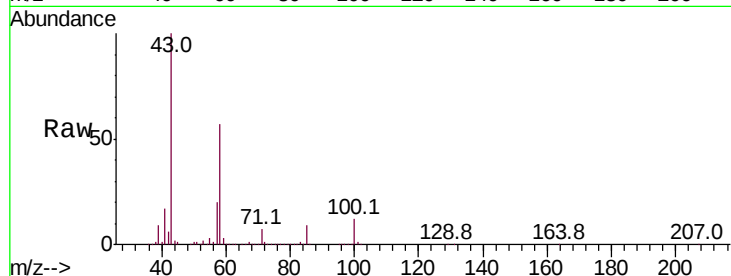
#59
2-Hexanone
Concen: 99.418 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion: 43 Resp: 528883
Ion Ratio Lower Upper
43 100
58 56.3 28.4 85.3

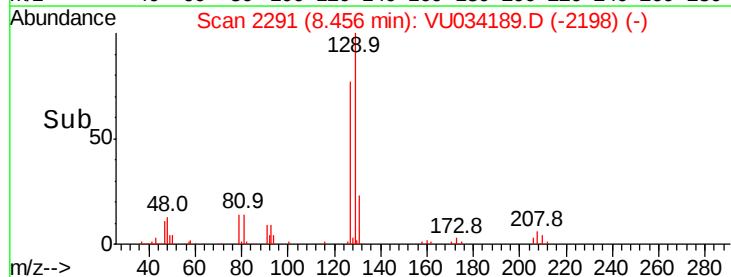
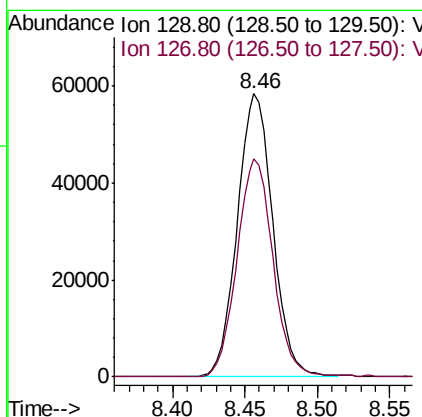
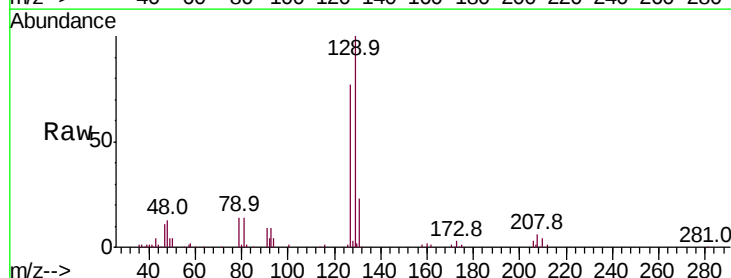
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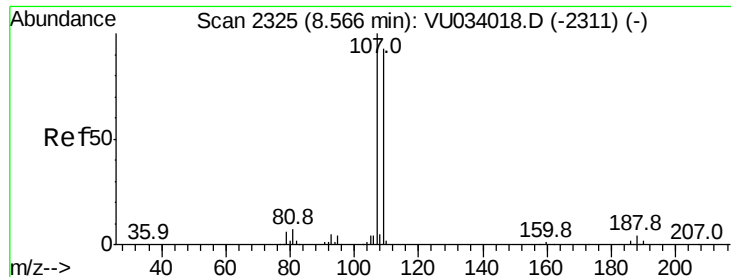
MMDadoda
9/3/2019 1:09:28 PM



#60
Dibromochloromethane
Concen: 19.623 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 129 Resp: 99465
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.630 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion:107 Resp: 97641

Ion Ratio Lower Upper

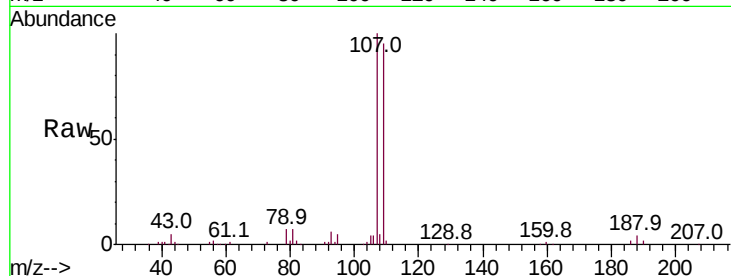
107 100

109 93.3 75.2 112.8

Manual Integrations
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9/3/2019 1:09:28 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

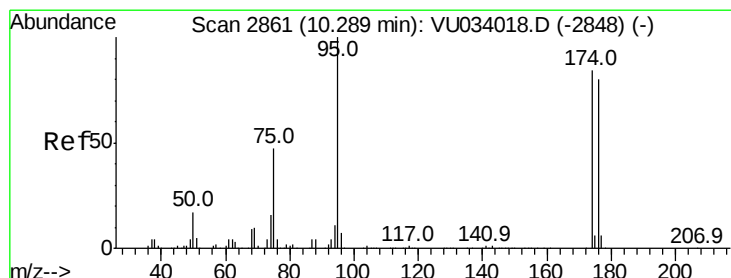
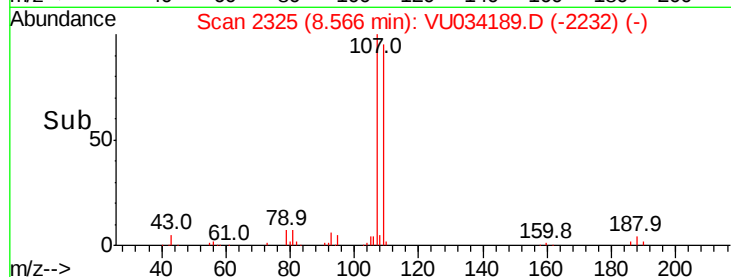
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.466 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

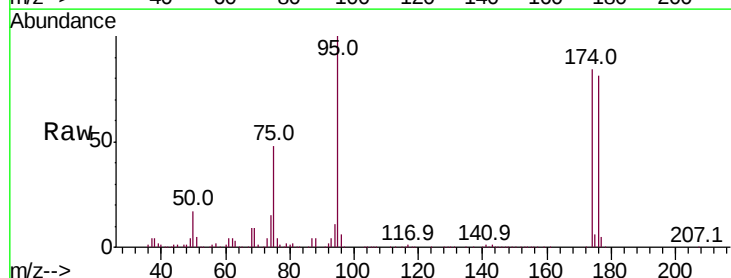
Tgt Ion: 95 Resp: 310038

Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.8

176 81.0 0.0 161.8



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

250000

200000

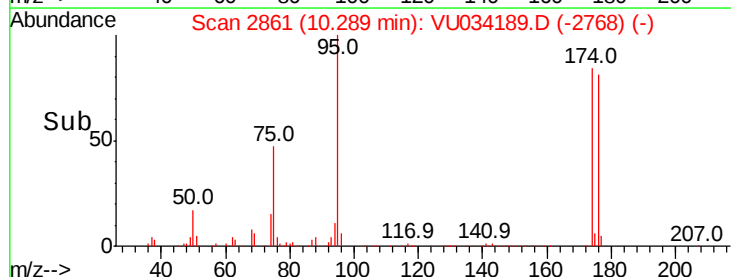
150000

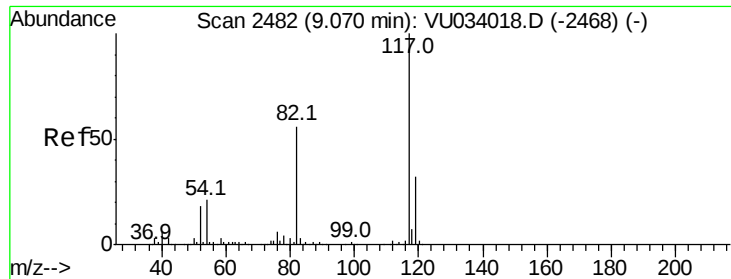
100000

50000

0

Time-->





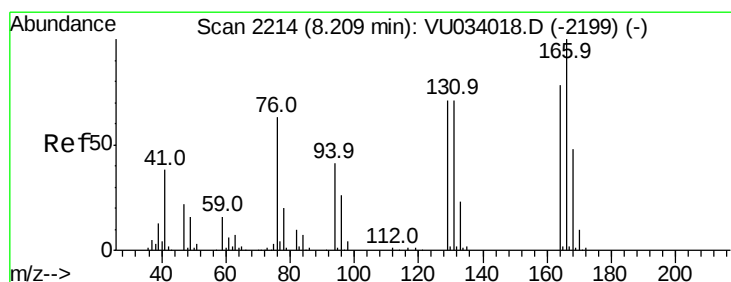
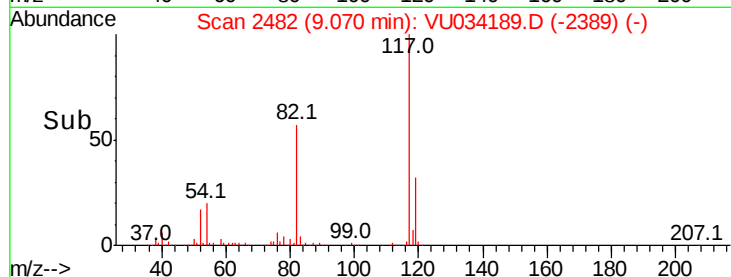
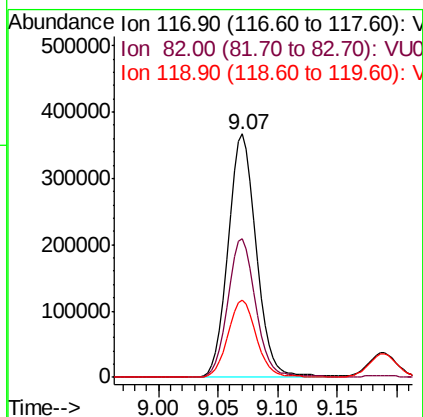
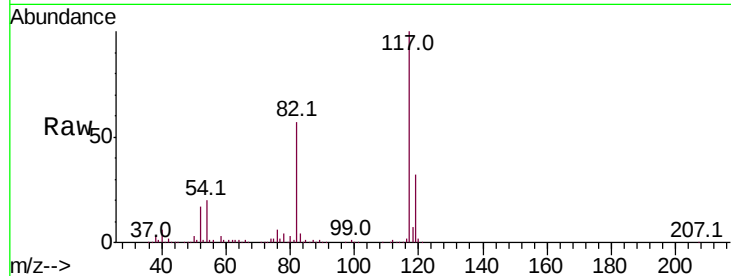
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	604044		
82	56.9		45.1	67.7
119	31.7		25.4	38.0

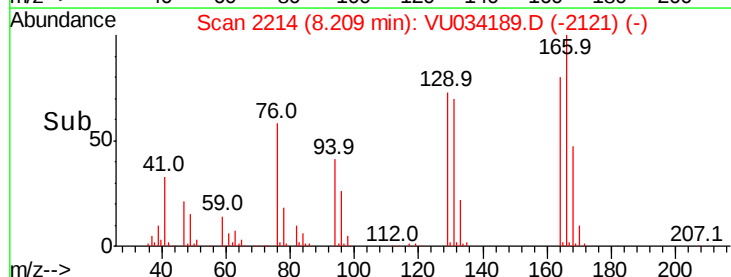
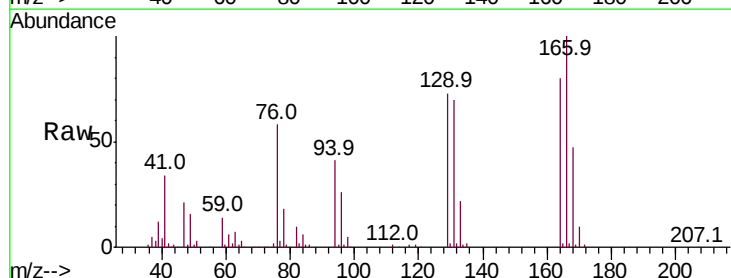
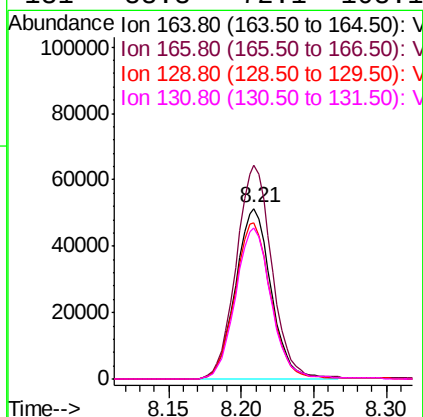
Manual Integrations
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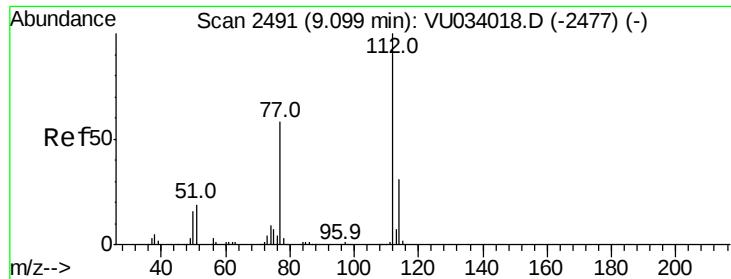
MMDadoda
9/3/2019 1:09:28 PM



#64
Tetrachloroethene
Concen: 21.555 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87439		
166	125.4		102.2	153.2
129	91.6		72.4	108.6
131	88.3		72.1	108.1





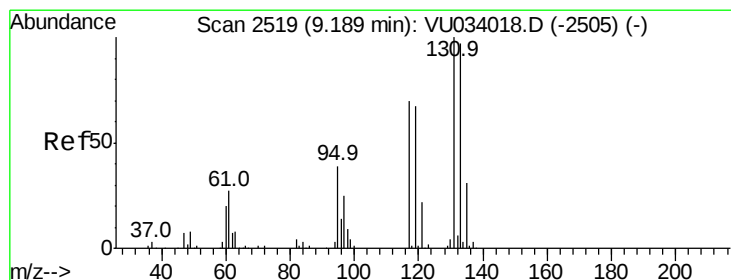
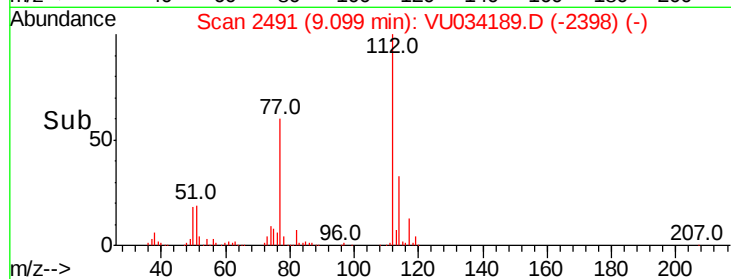
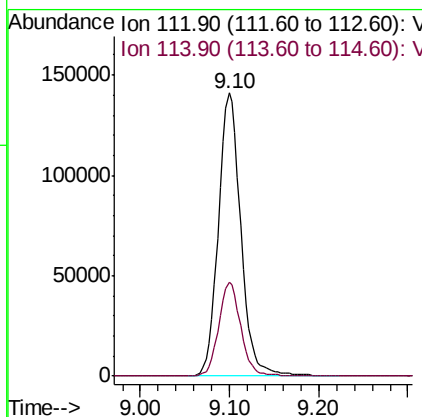
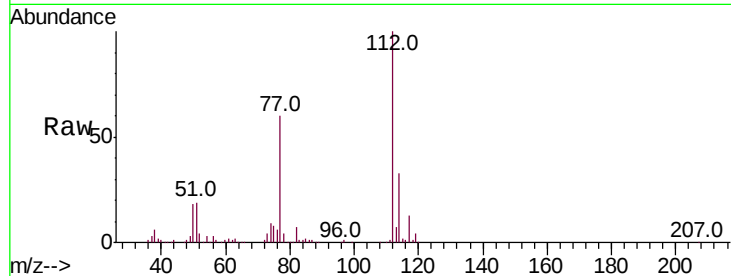
#65
Chlorobenzene
Concen: 19.782 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion:112 Resp: 245906
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.4

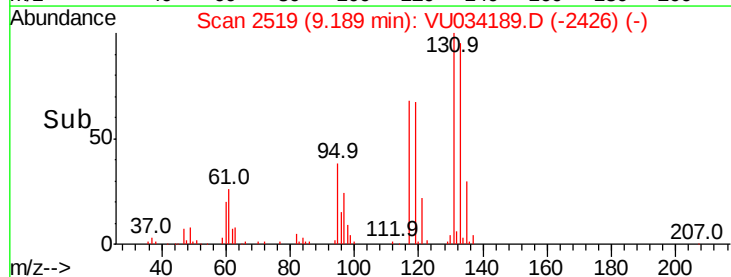
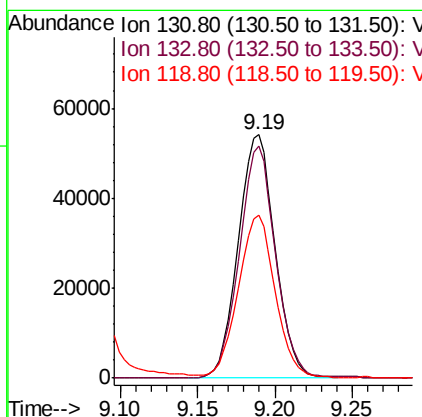
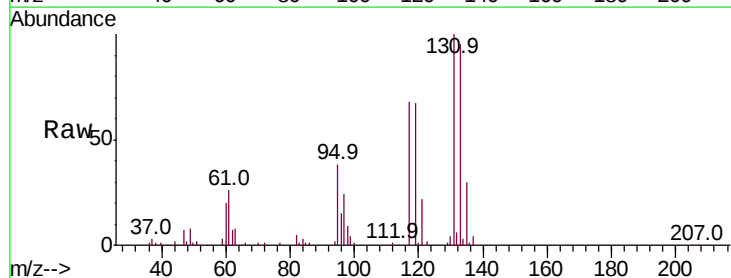
Manual Integrations
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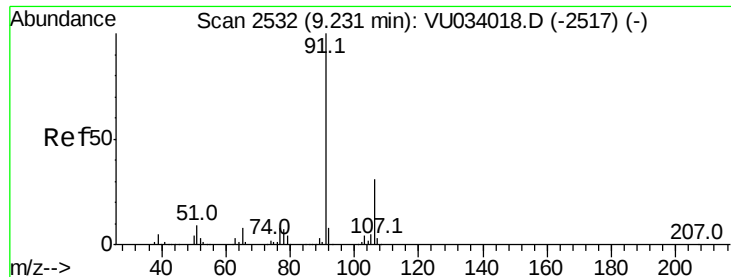
MMDadoda
9/3/2019 1:09:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.874 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion:131 Resp: 89580
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 66.8 33.6 100.6





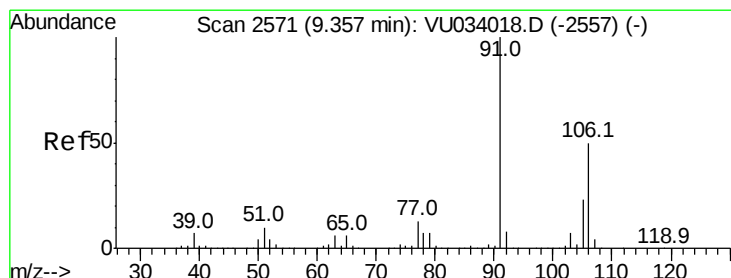
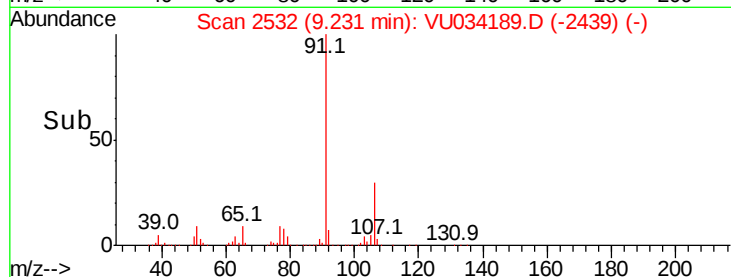
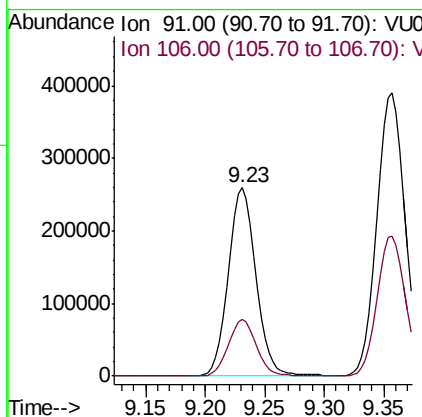
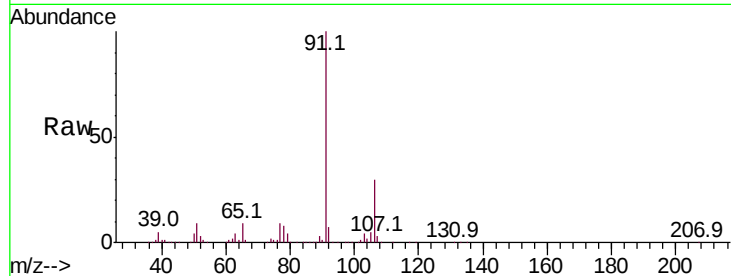
#67
Ethyl Benzene
Concen: 19.921 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion: 91 Resp: 419776
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3

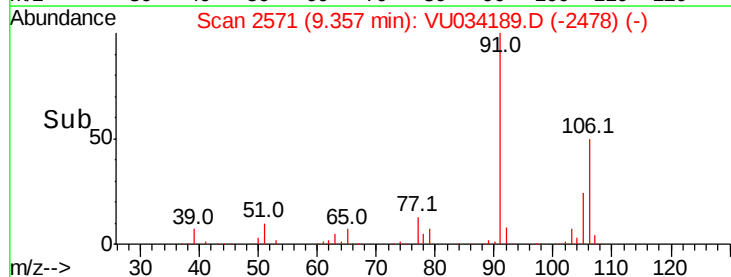
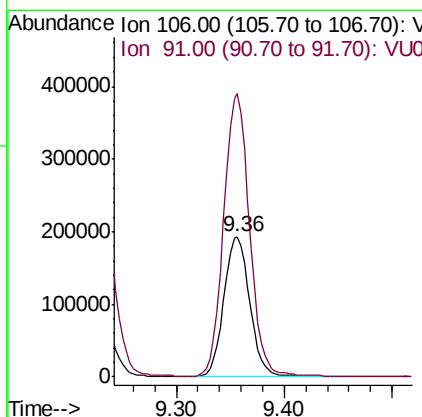
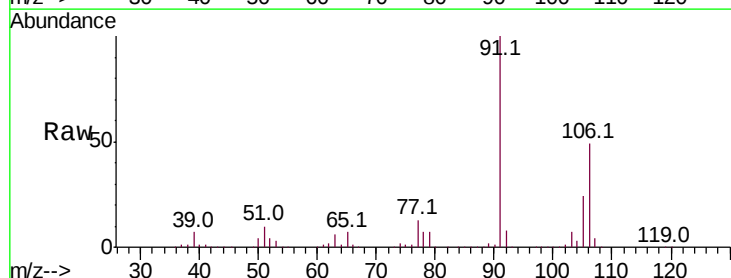
Manual Integrations
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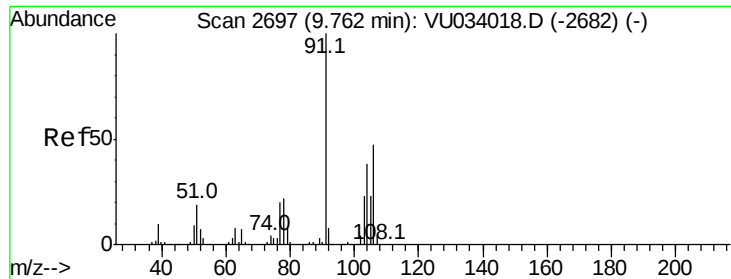
MMDadoda
9/3/2019 1:09:28 PM



#68
m/p-Xylenes
Concen: 40.093 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion: 106 Resp: 321237
Ion Ratio Lower Upper
106 100
91 203.5 161.6 242.4





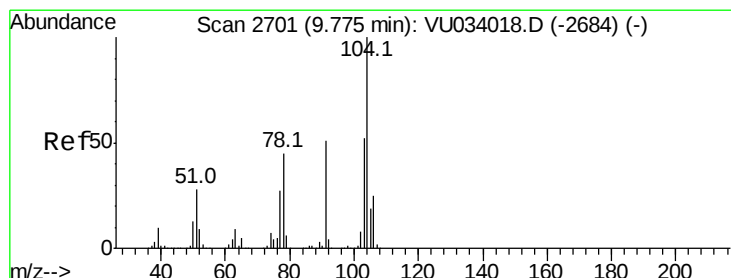
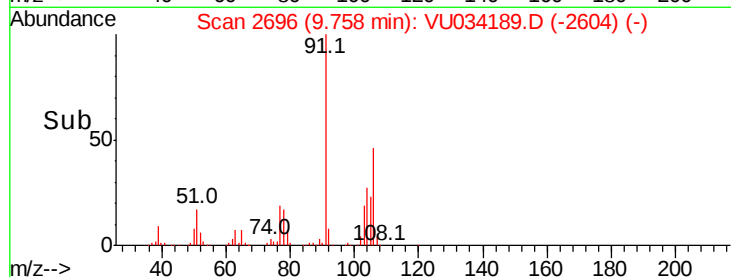
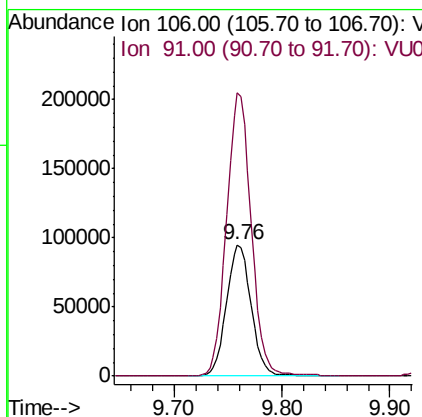
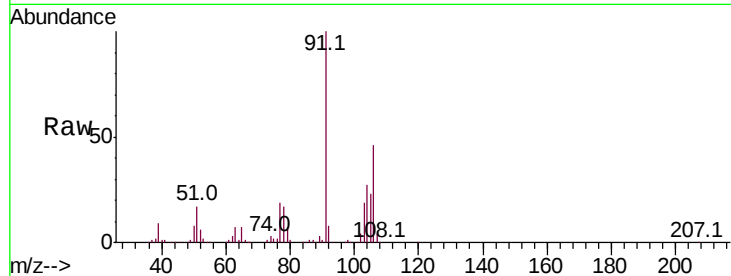
#69
o-Xylene
Concen: 19.761 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	151904		
91	215.7	106.0	318.0	

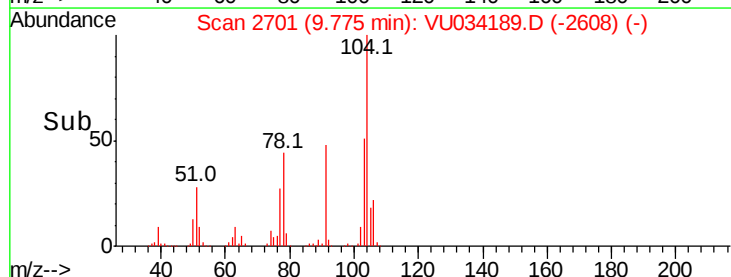
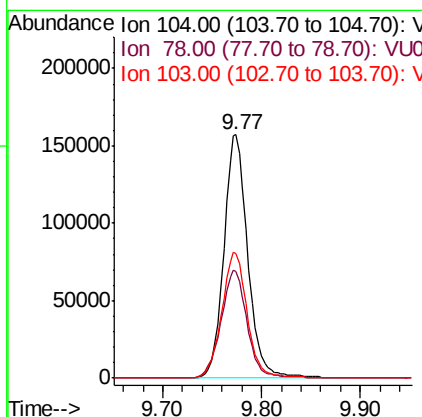
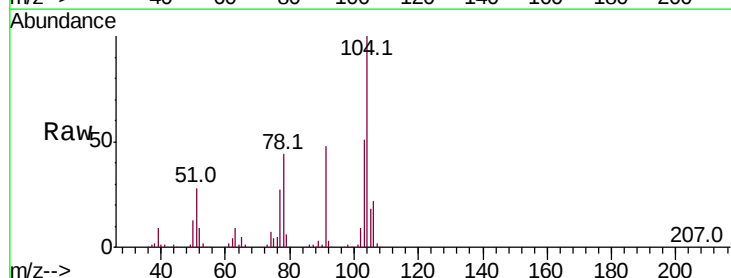
Manual Integrations
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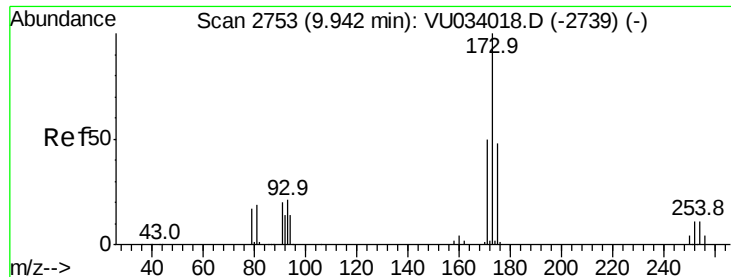
MMDadoda
9/3/2019 1:09:28 PM



#70
Styrene
Concen: 20.280 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	267298		
78	48.4	39.0	58.4	
103	55.0	44.0	66.0	





#71

Bromoform

Concen: 19.219 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion:173 Resp: 75267

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.6

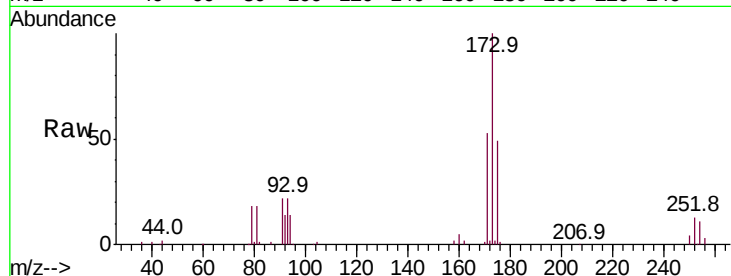
254 0.0 0.0 0.0

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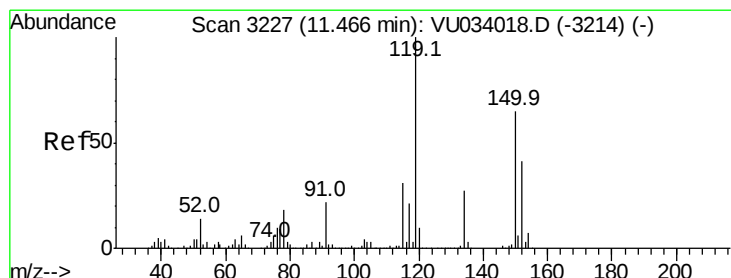
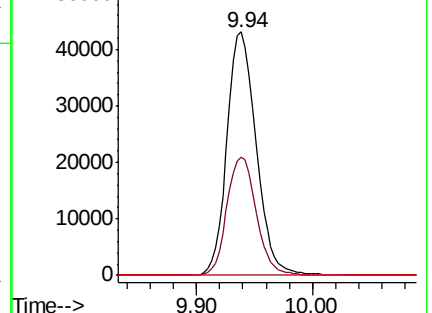
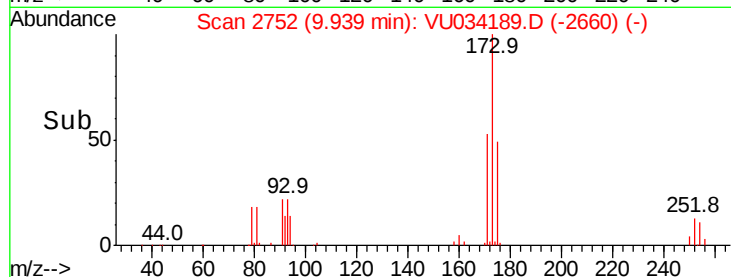
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU034189.D

Acq: 02 Sep 2019 10:10

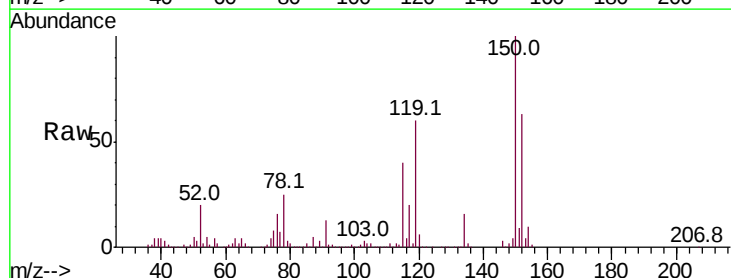
Tgt Ion:152 Resp: 327198

Ion Ratio Lower Upper

152 100

115 65.7 41.1 123.3

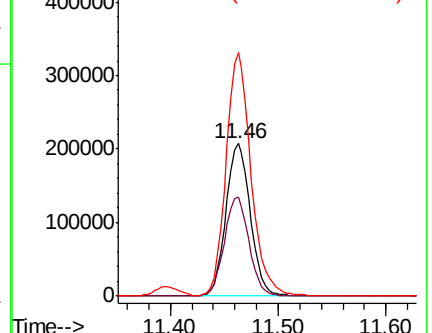
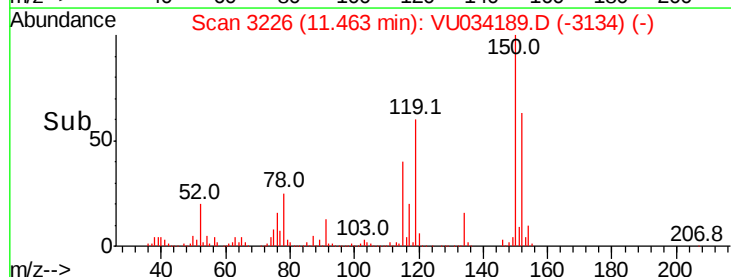
150 162.1 0.0 348.8

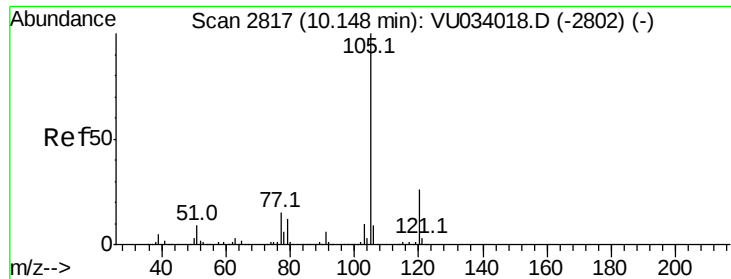


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.956 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion:105 Resp: 416614

Ion Ratio Lower Upper

105 100

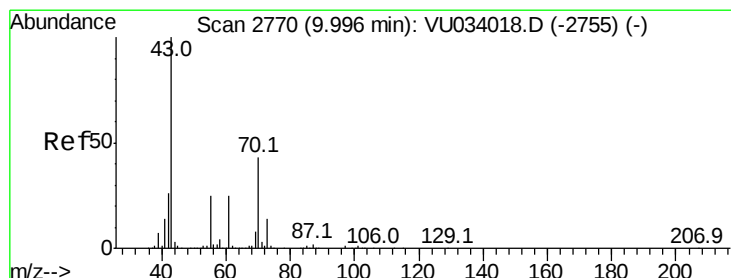
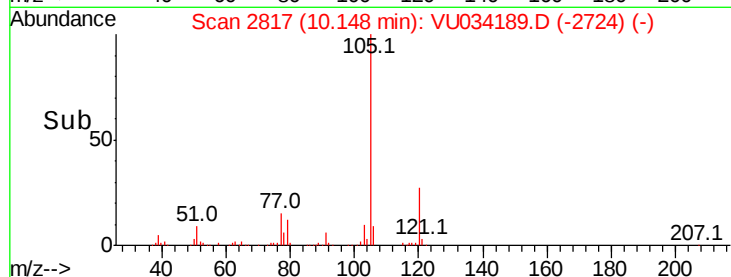
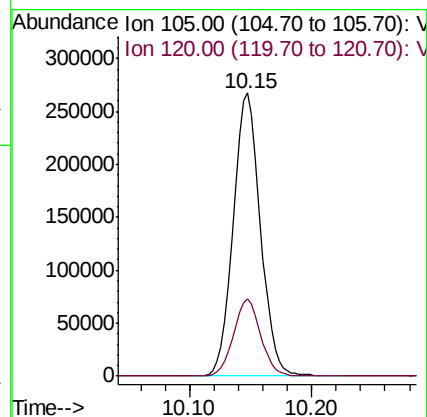
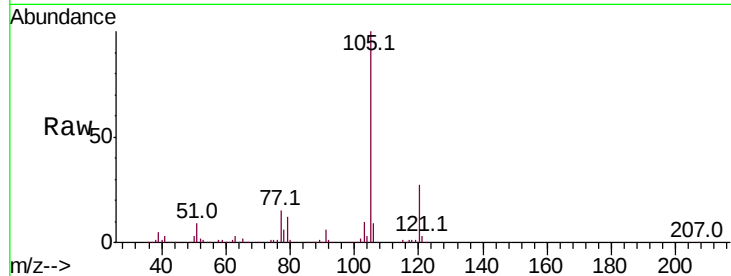
120 27.1 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.161 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion: 43 Resp: 167871

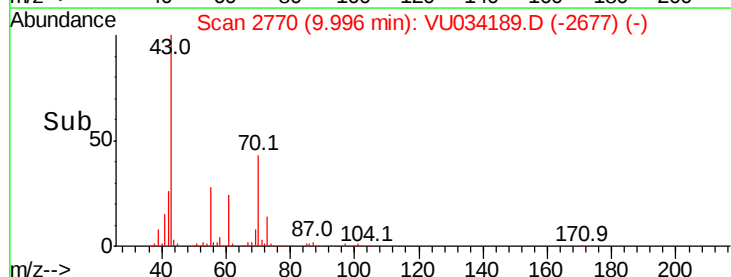
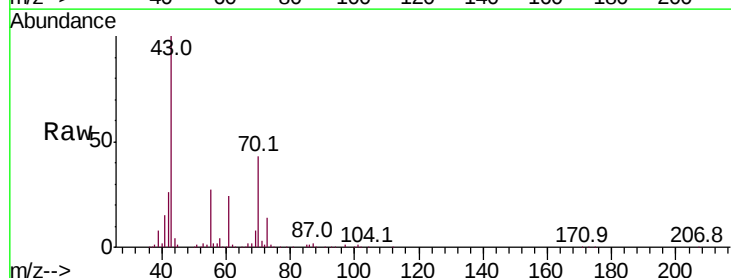
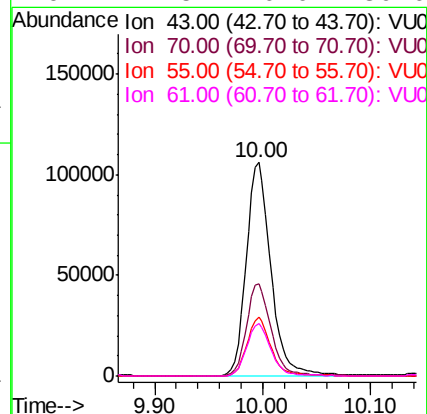
Ion Ratio Lower Upper

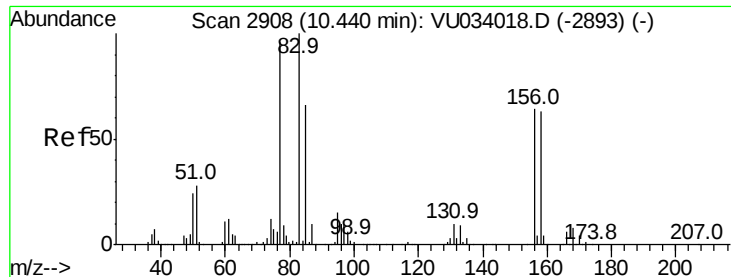
43 100

70 43.7 35.2 52.8

55 27.0 20.5 30.7

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.757 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

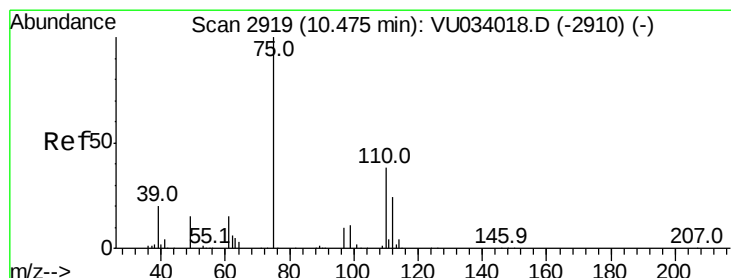
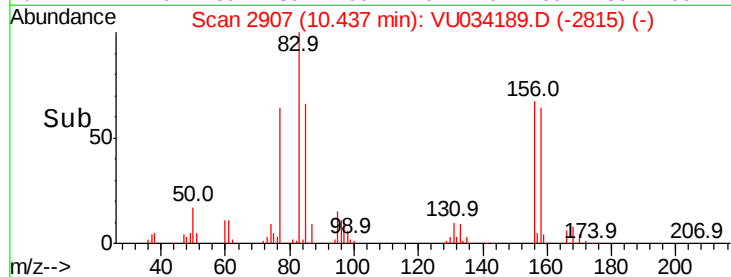
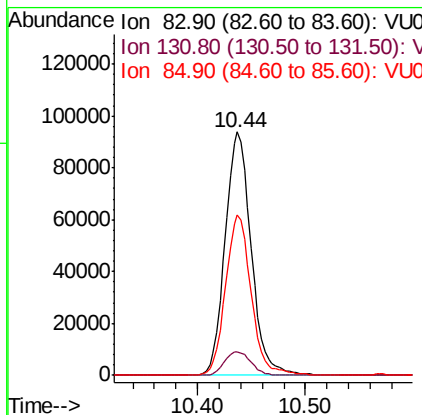
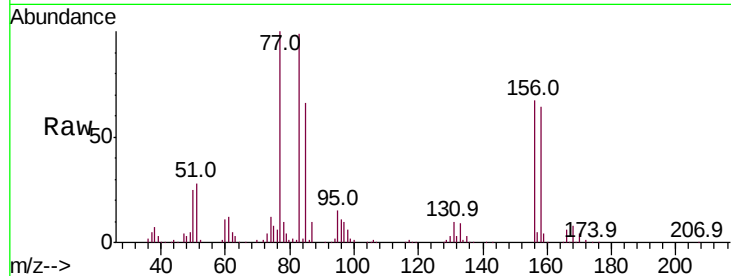
ClientSampleId :

VU0903WBS01

Tot Ion	83	Resp	157785
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.728 ug/l m

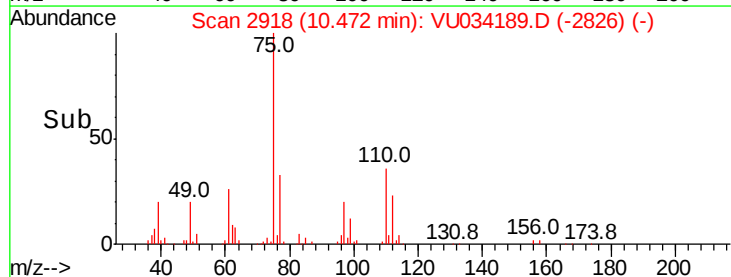
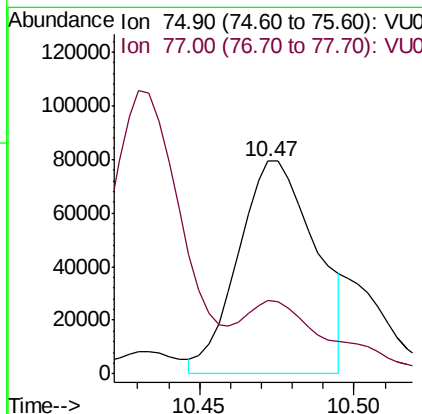
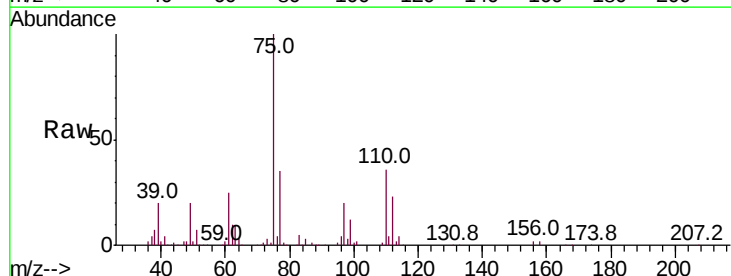
RT: 10.47 min Scan# 2918

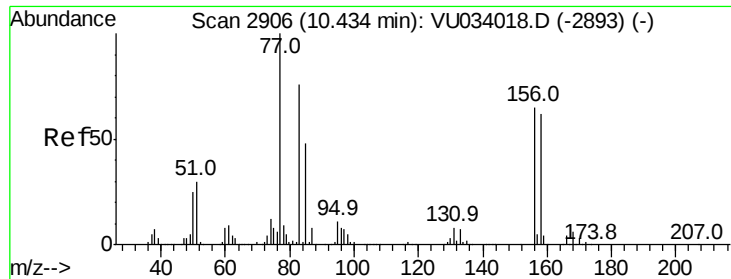
Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion	75	Resp	138107
Ion Ratio	Lower	Upper	
75	100		
77	39.9	20.1	60.2





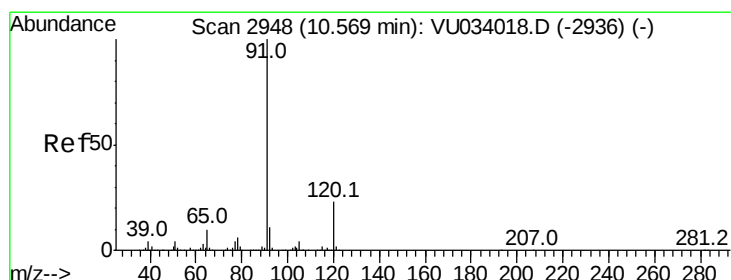
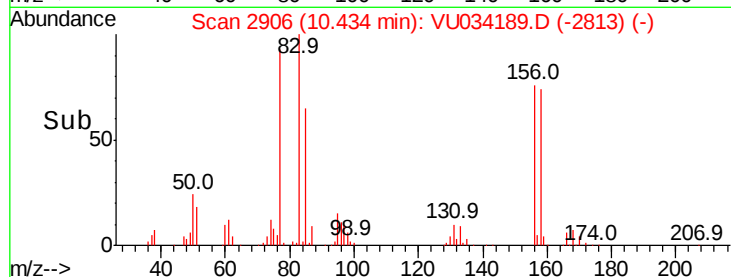
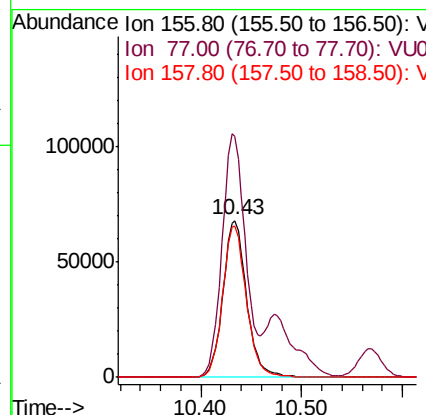
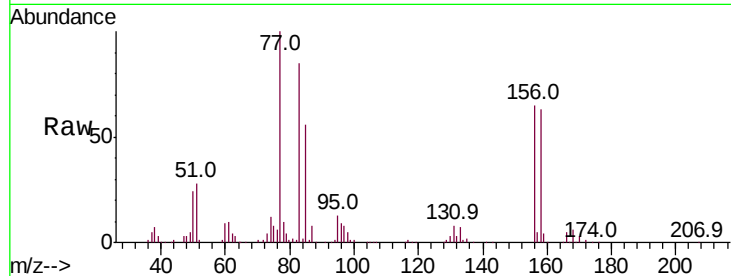
#77
Bromobenzene
Concen: 18.878 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.0	76.8	230.5
158	96.9	48.4	145.0

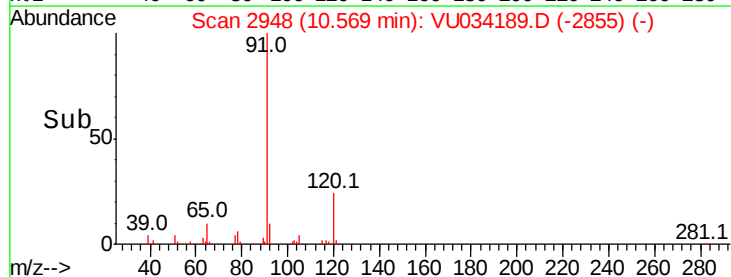
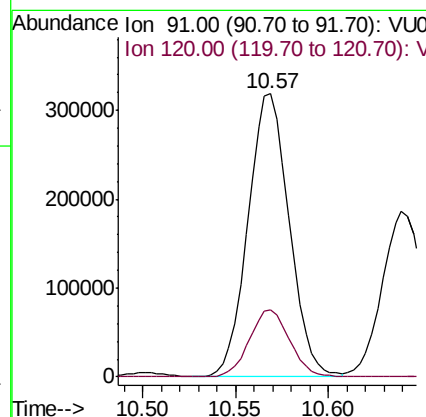
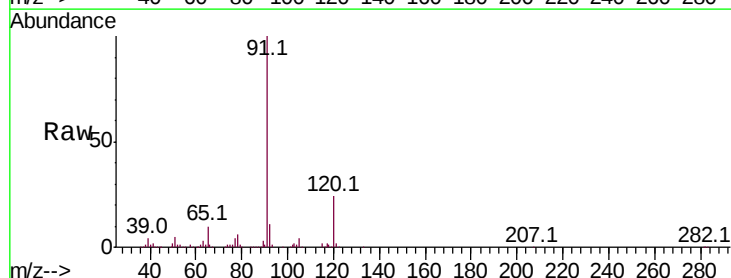
Manual Integrations
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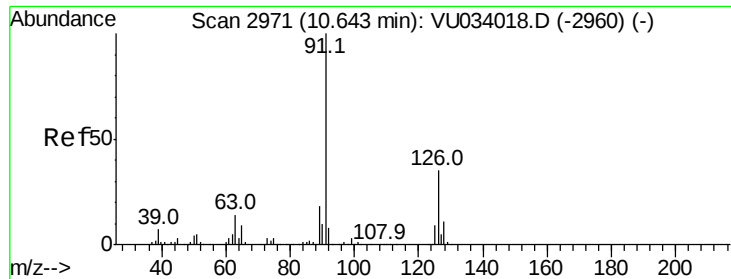
MMDadoda
9/3/2019 1:09:28 PM



#78
n-propylbenzene
Concen: 19.175 ug/l
RT: 10.57 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.021 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBS01

Tot Ion: 91 Resp: 292017

Ion Ratio Lower Upper

91 100

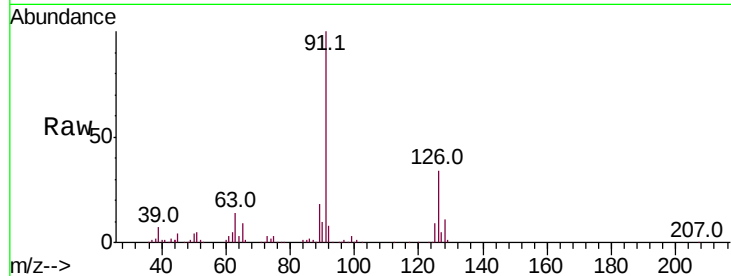
126 34.2 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034189.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034189.D (-2960) (-)

300000

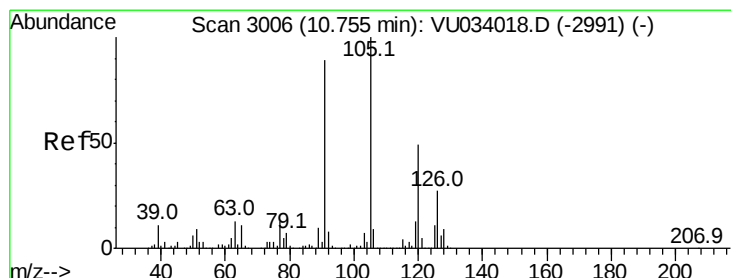
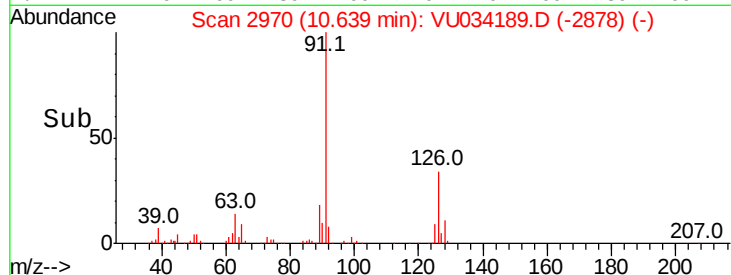
200000

100000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.553 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034189.D

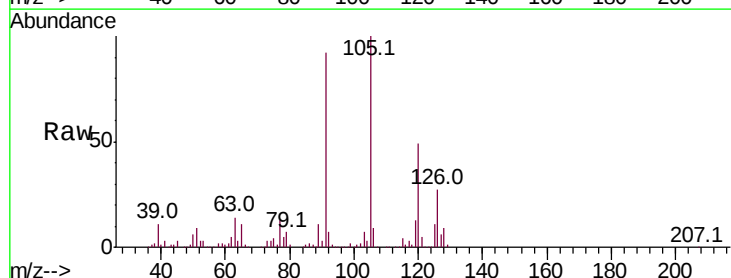
Acq: 02 Sep 2019 10:10

Tgt Ion:105 Resp: 364221

Ion Ratio Lower Upper

105 100

120 49.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034189.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034189.D (-2991) (-)

250000

200000

150000

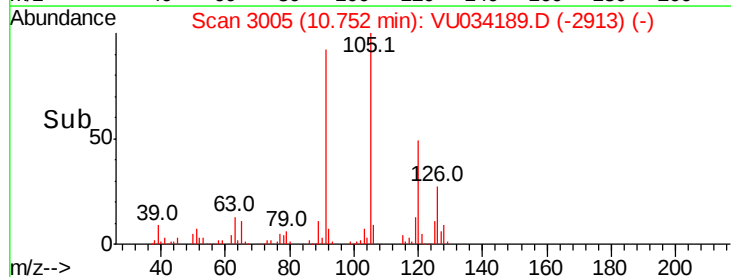
100000

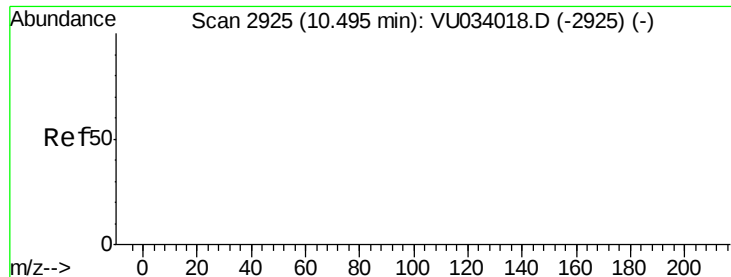
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.420 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034189.D

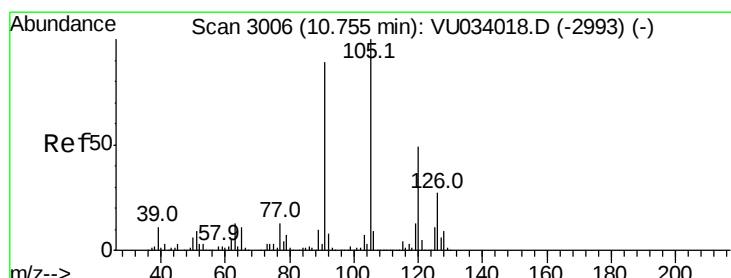
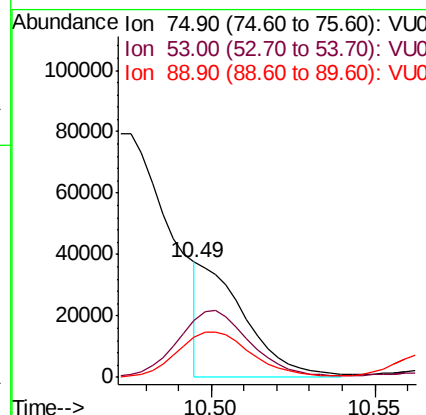
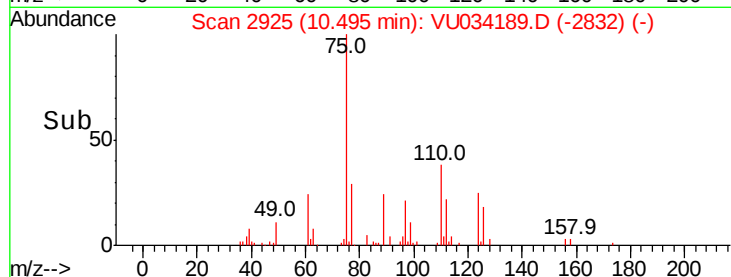
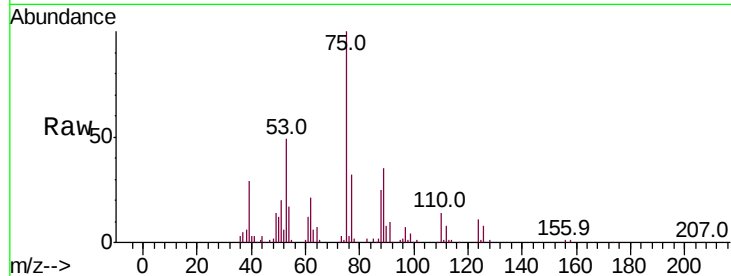
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

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

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#82

4-Chlorotoluene

Concen: 19.622 ug/l

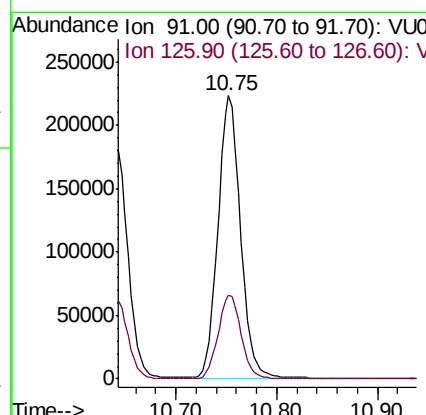
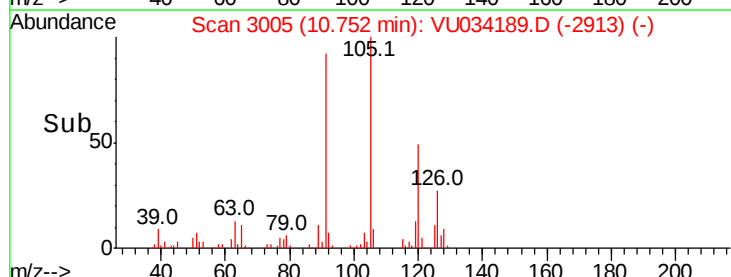
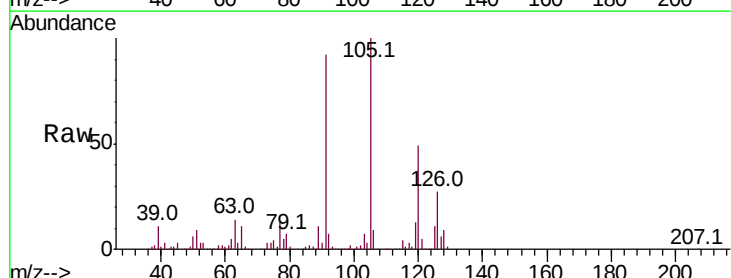
RT: 10.75 min Scan# 3005

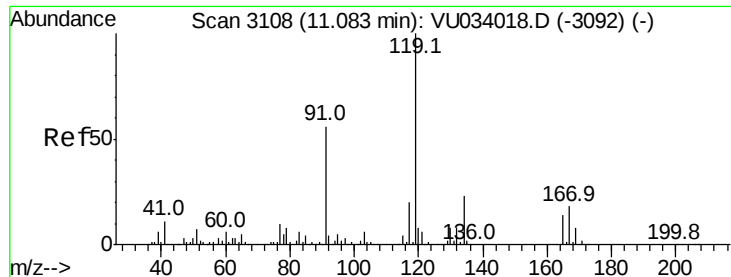
Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.0	45.1





#83

tert-Butylbenzene

Concen: 18.379 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU034189.D

Acq: 02 Sep 2019 10:10

Instrument :

MSVOA_U

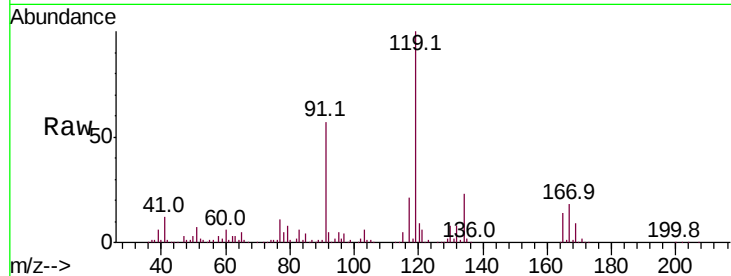
ClientSampleId :

VU0903WBS01

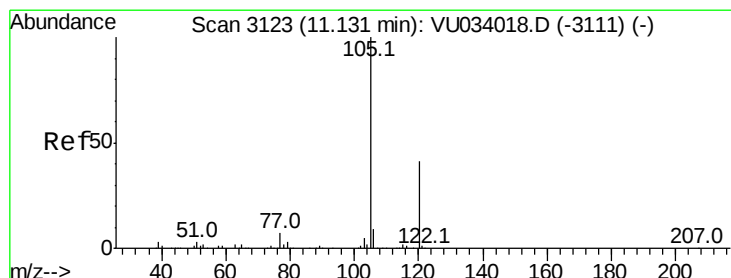
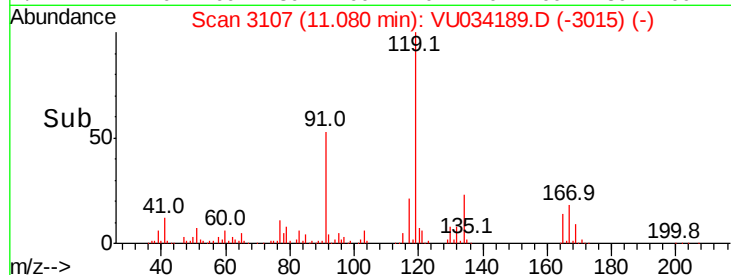
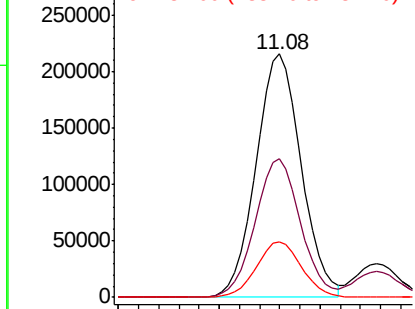
Tot Ion:	119	Resp:	337016
Ion Ratio	Lower	Upper	
119	100		
91	56.8	27.9	83.6
134	22.9	11.4	34.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.423 ug/l

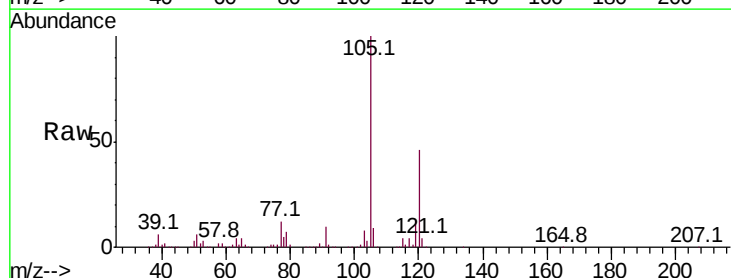
RT: 11.13 min Scan# 3122

Delta R.T. -0.00 min

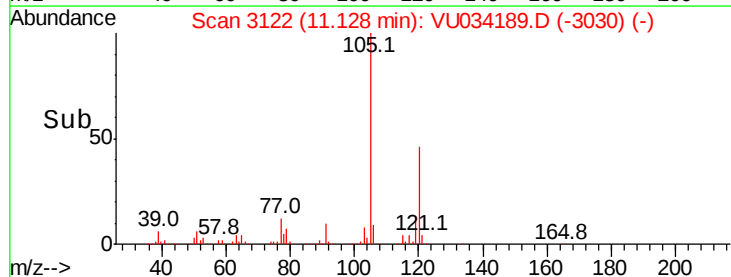
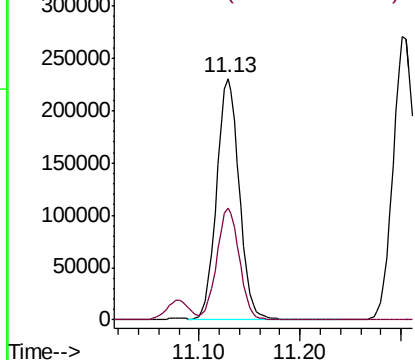
Lab File: VU034189.D

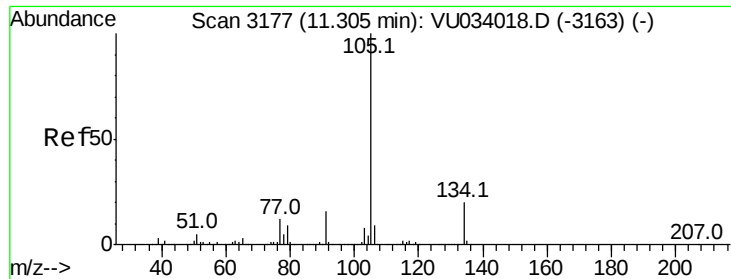
Acq: 02 Sep 2019 10:10

Tgt Ion:	105	Resp:	359264
Ion Ratio	Lower	Upper	
105	100		
120	46.4	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





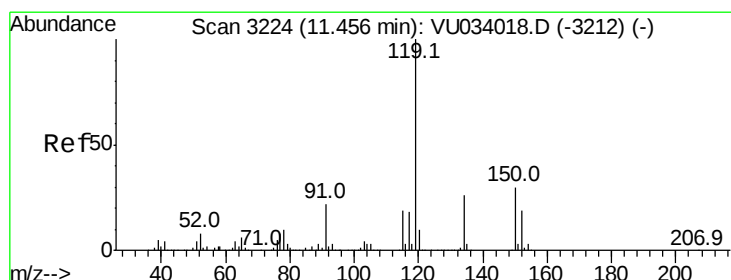
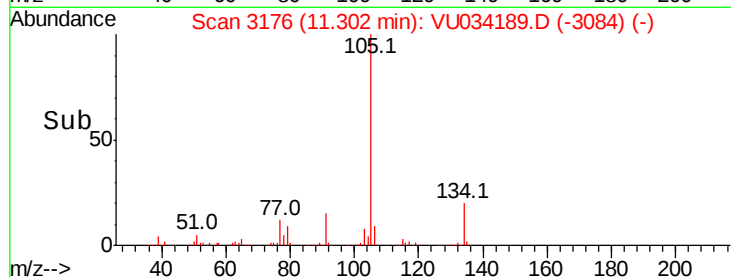
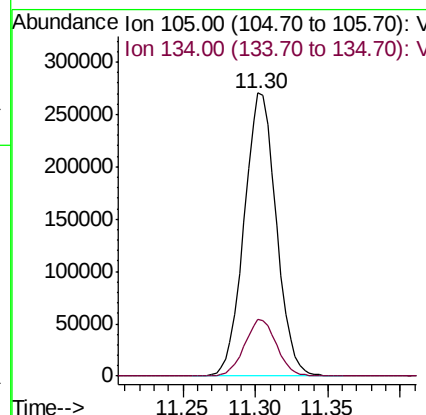
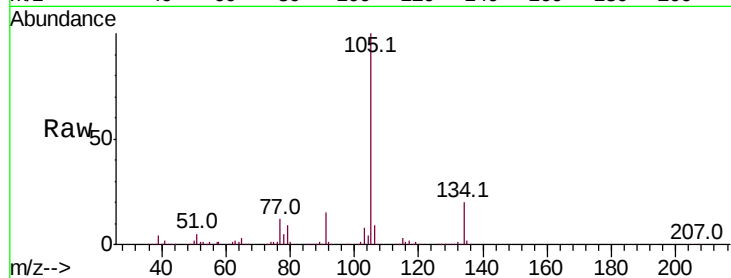
#85
 sec-Butylbenzene
 Concen: 18.888 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	415115		
134	20.0	10.0	30.0	

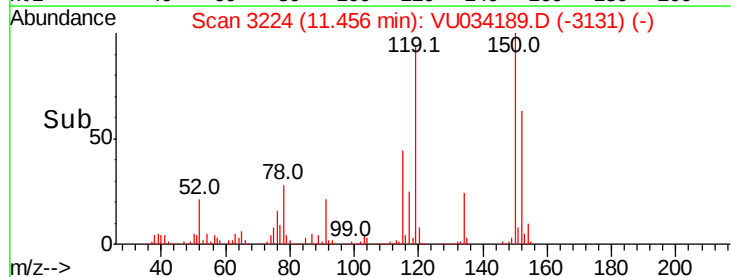
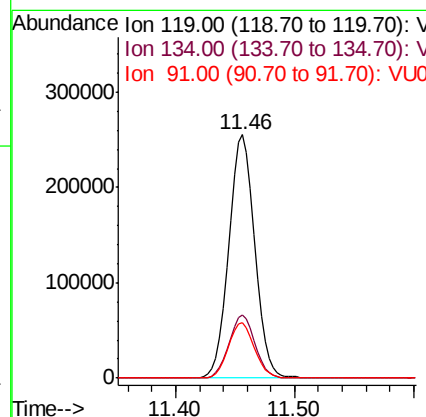
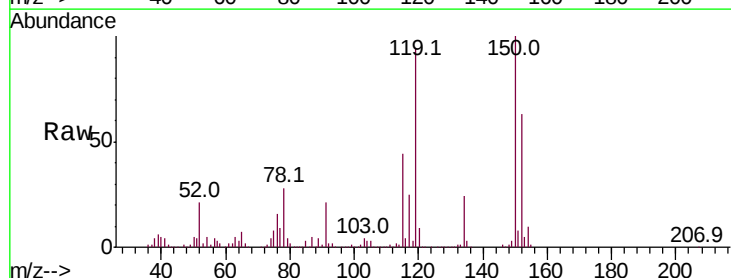
Manual Integrations
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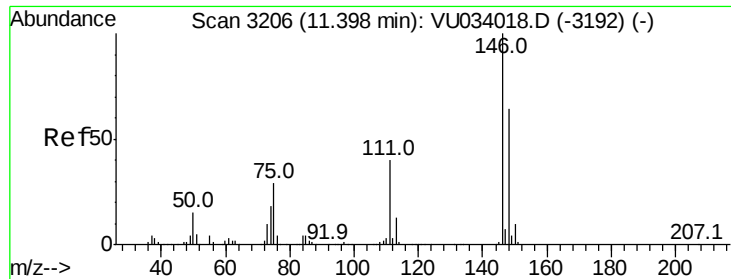
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#86
 p-Isopropyltoluene
 Concen: 19.301 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	383656		
134	26.3	13.1	39.1	
91	23.0	11.2	33.6	





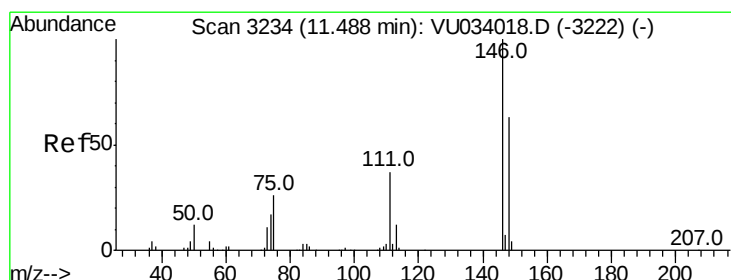
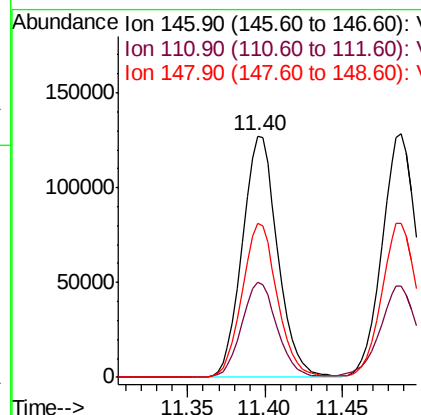
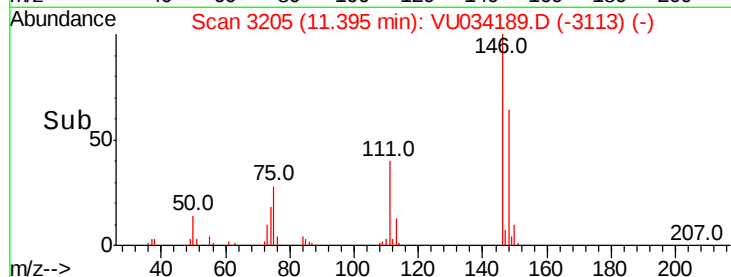
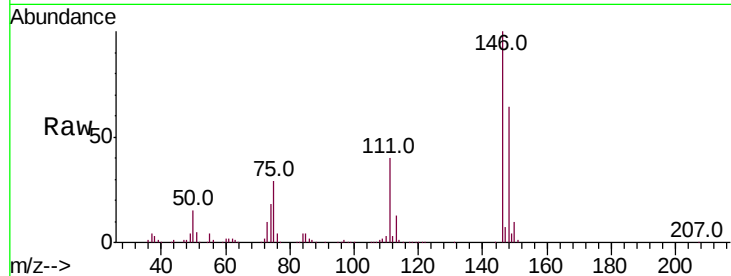
#87
 1,3-Dichlorobenzene
 Concen: 19.318 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202190		
111	39.3	19.9	59.6	
148	63.6	31.9	95.5	

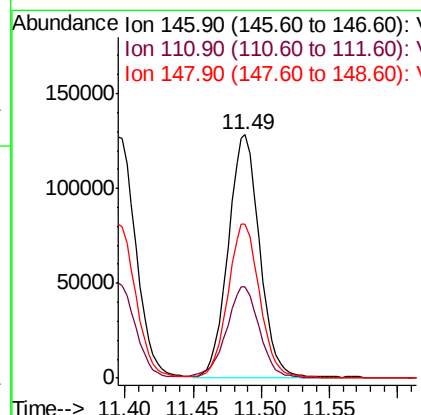
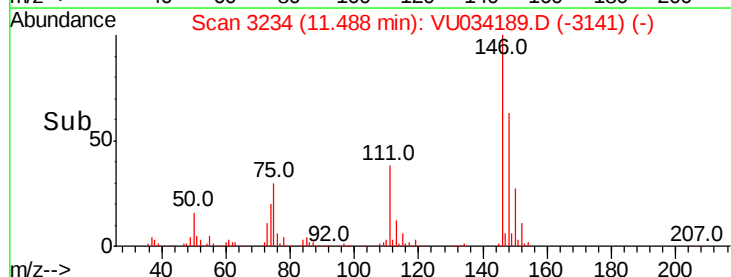
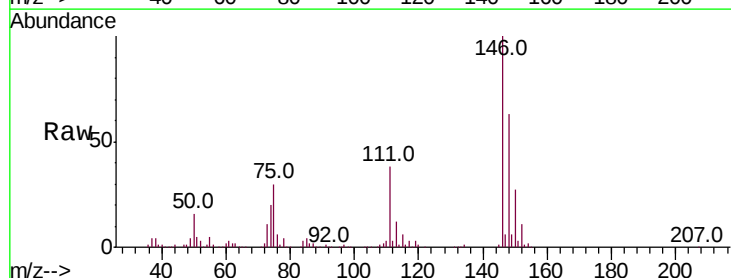
Manual Integrations
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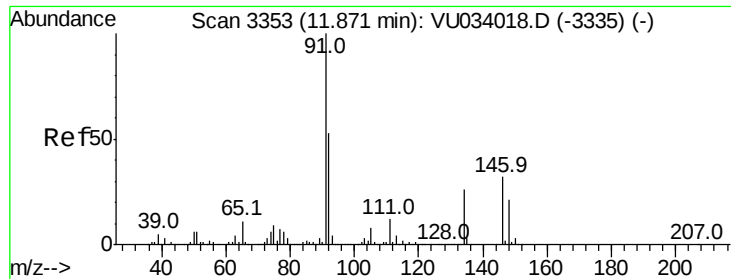
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#88
 1,4-Dichlorobenzene
 Concen: 19.313 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204431		
111	39.7	19.2	57.6	
148	64.3	31.9	95.9	





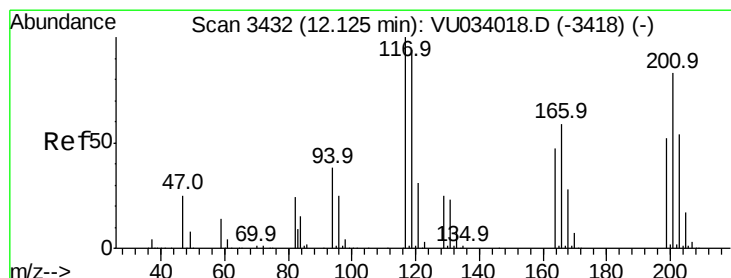
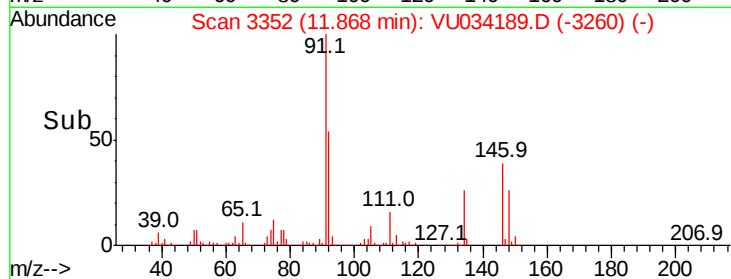
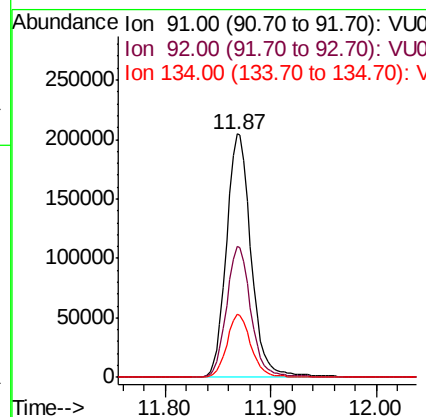
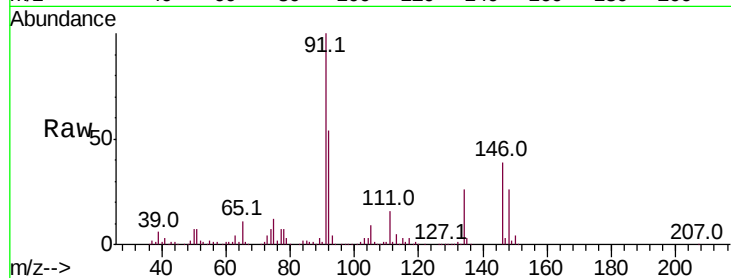
#89
n-Butylbenzene
Concen: 18.947 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampled :
VU0903WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.9
134	25.5	12.9	38.7

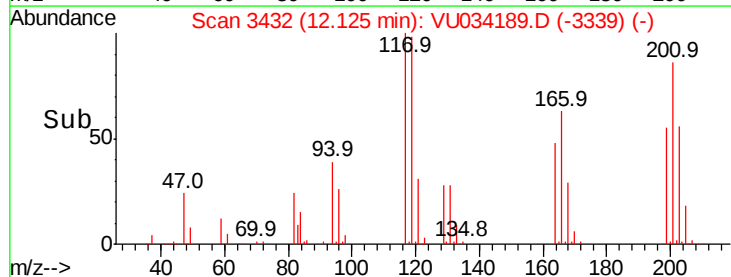
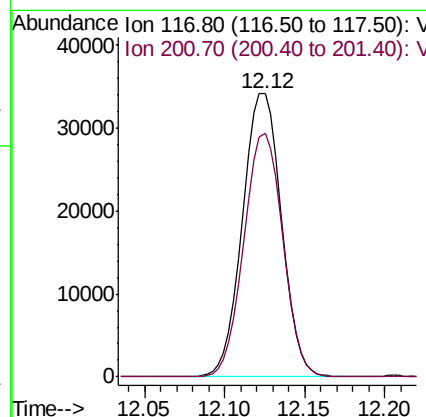
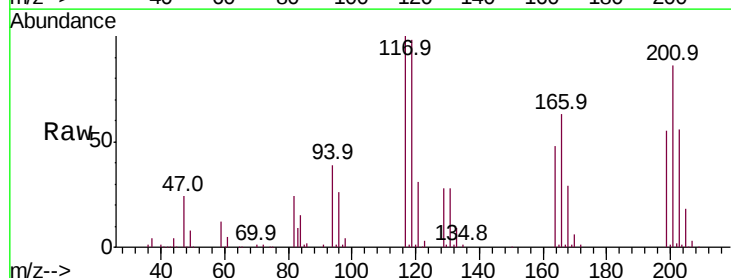
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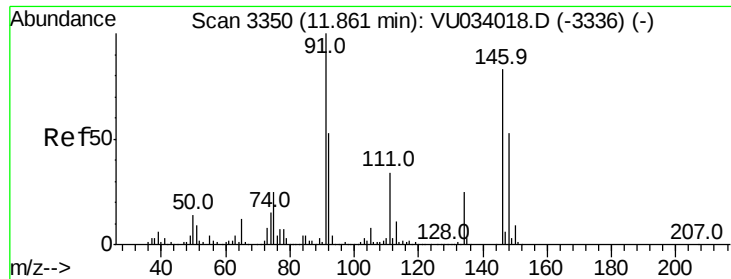
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#90
Hexachloroethane
Concen: 16.503 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	42.5	127.6





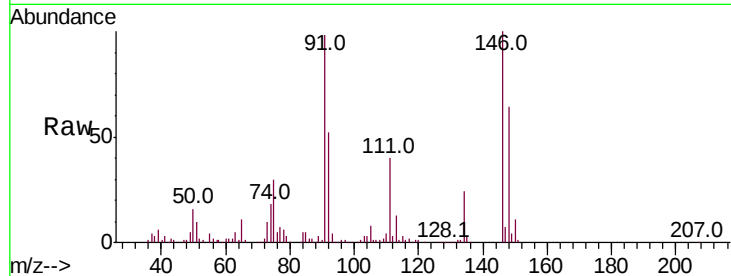
#91
 1,2-Dichlorobenzene
 Concen: 19.559 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196099		
111	40.5	20.4	61.2	
148	63.6	32.3	96.8	

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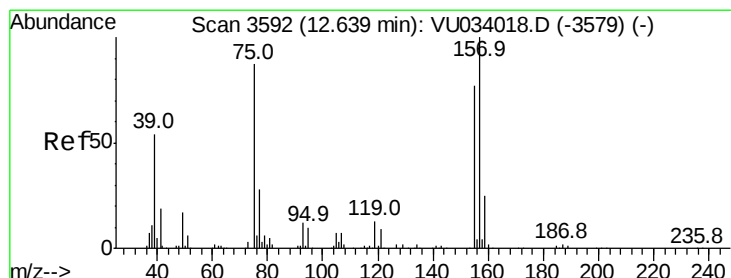
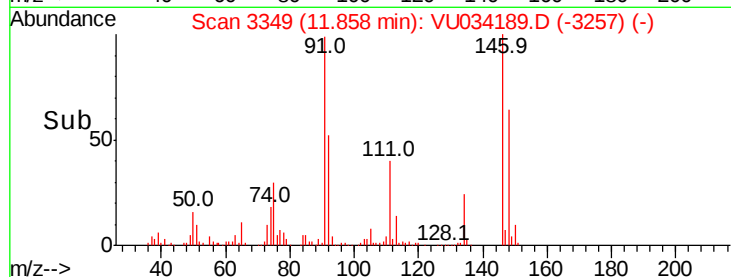
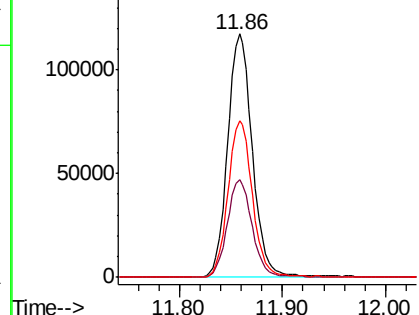


Abundance

Ion 145.90 (145.60 to 146.60): V

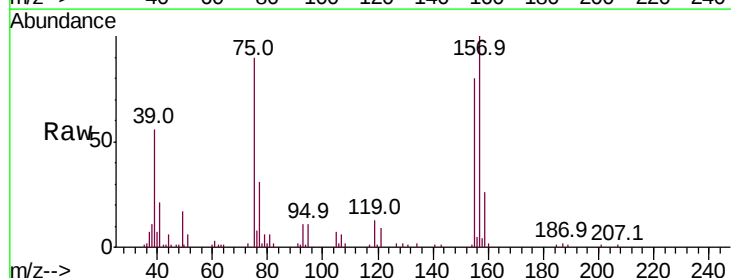
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.786 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31482		
155	84.3	43.5	130.7	
157	109.2	56.9	170.6	

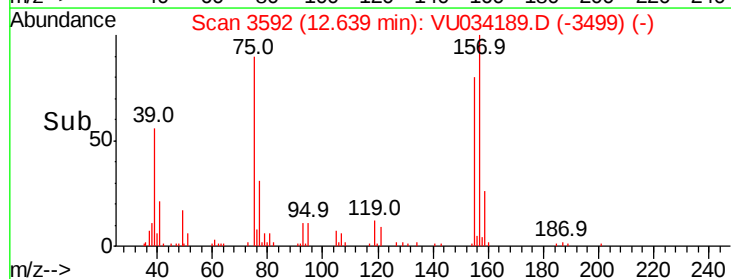
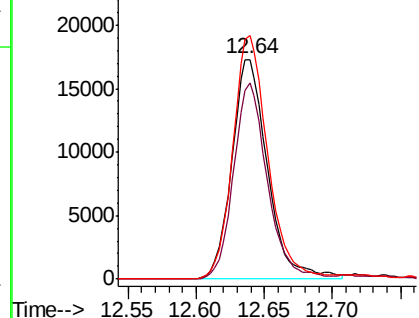


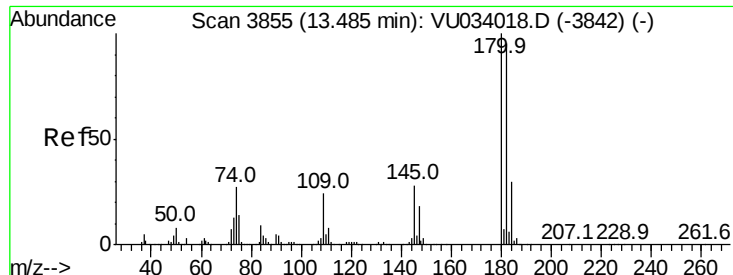
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





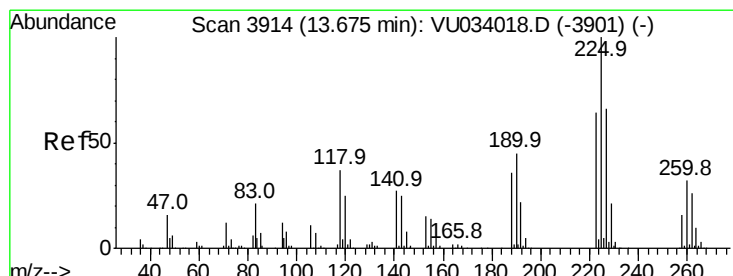
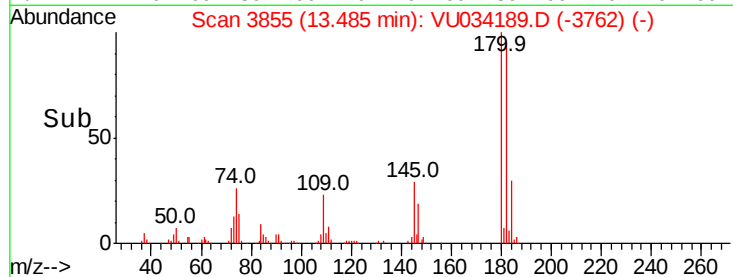
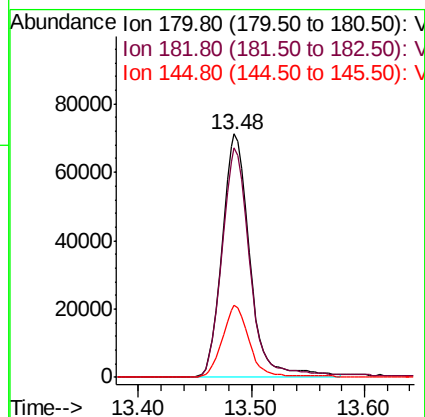
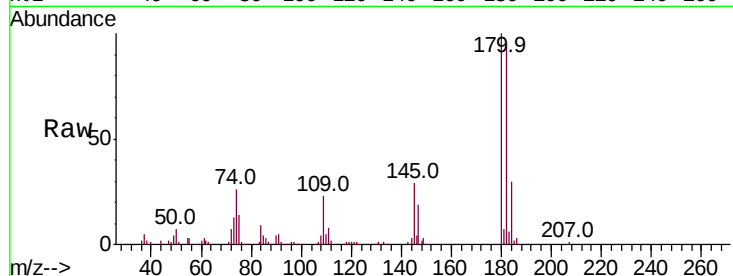
#93
 1,2,4-Trichlorobenzene
 Concen: 17.818 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.4	142.2	
145	28.8	14.1	42.3	

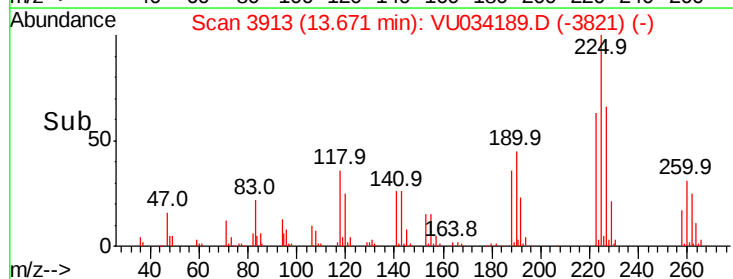
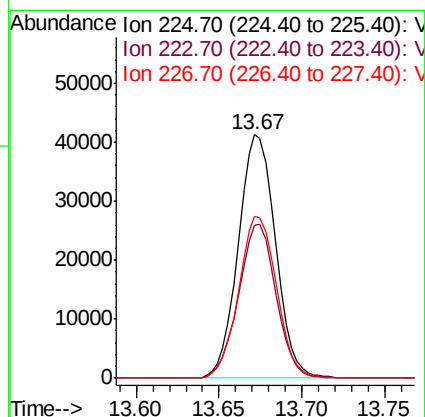
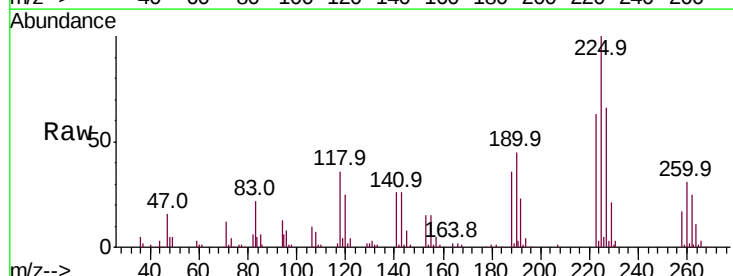
Manual Integrations
 APPROVED

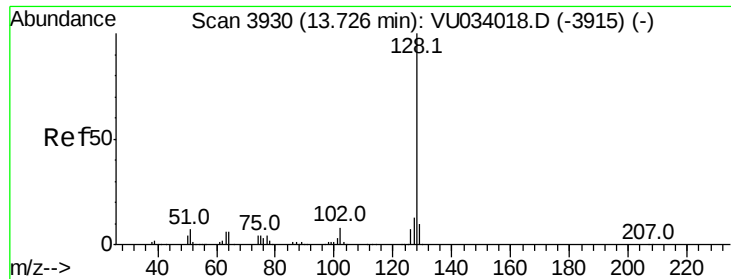
MMDadoda
 9/3/2019 1:09:28 PM



#94
 Hexachlorobutadiene
 Concen: 16.488 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034189.D
 Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.8	95.3	
227	67.6	32.6	97.8	





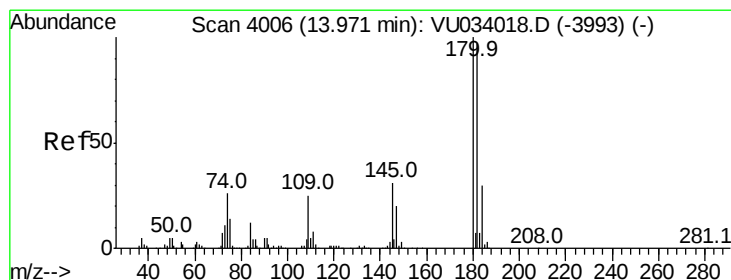
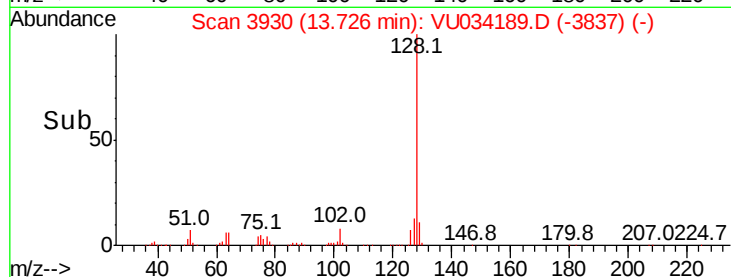
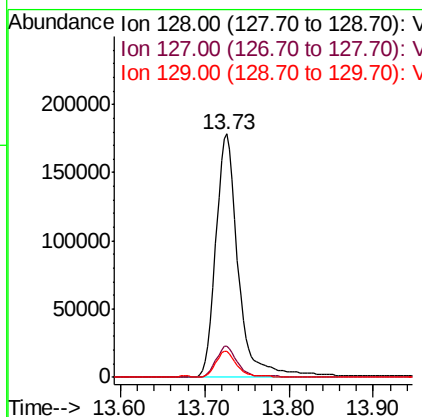
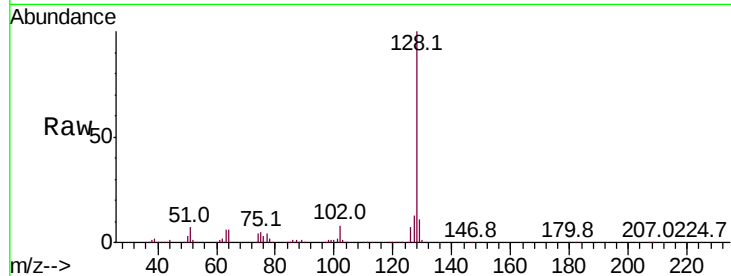
#95
Naphthalene
Concen: 17.492 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	332601		
127	12.6		10.2	15.4
129	9.9		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.012 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. -0.00 min
Lab File: VU034189.D
Acq: 02 Sep 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	122110		
182	97.0		48.2	144.6
145	30.4		15.5	46.5

