

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034191.D
 Acq On : 02 Sep 2019 10:56
 Operator : JC/SP
 Sample : VU0903WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:33 PM

Quant Time: Sep 03 06:55:15 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	363958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	577117	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	558520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	302682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	246345	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	4.86	113	204163	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	7.55	98	763881	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	10.29	95	290212	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66712	18.225	ug/l	98
3) Chloromethane	1.32	50	88158	16.639	ug/l	99
4) Vinyl Chloride	1.40	62	87423	17.945	ug/l	99
5) Bromomethane	1.62	94	52189	18.608	ug/l	99
6) Chloroethane	1.69	64	55367	18.589	ug/l	100
7) Trichlorofluoromethane	1.88	101	107756	19.089	ug/l	99
8) Diethyl Ether	2.09	74	50033	20.719	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	69419	19.412	ug/l	98
10) Methyl Iodide	2.40	142	48829	9.626	ug/l	99
11) Tert butyl alcohol	2.81	59	103054	95.825	ug/l	100
12) 1,1-Dichloroethene	2.27	96	69084	18.960	ug/l	98
13) Acrolein	2.18	56	24896	55.030	ug/l	98
14) Allyl chloride	2.58	41	134843m	19.683	ug/l	
15) Acrylonitrile	2.92	53	265973	107.778	ug/l	99
16) Acetone	2.31	43	248499	104.431	ug/l	100
17) Carbon Disulfide	2.47	76	194085	16.830	ug/l	98
18) Methyl Acetate	2.60	43	127658	20.760	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	253167	21.206	ug/l	99
20) Methylene Chloride	2.69	84	89223	19.806	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	75813	19.172	ug/l	97
22) Diisopropyl ether	3.55	45	268815	21.414	ug/l	95
23) Vinyl Acetate	3.50	43	1128565	104.657	ug/l	100
24) 1,1-Dichloroethane	3.43	63	152197	20.536	ug/l	99
25) 2-Butanone	4.24	43	354522	107.088	ug/l	99
26) 2,2-Dichloropropane	4.20	77	117470	19.479	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	89202	20.098	ug/l	97
28) Bromochloromethane	4.52	49	77879	21.329	ug/l	100
29) Tetrahydrofuran	4.62	42	221646	108.563	ug/l	99
30) Chloroform	4.65	83	148923	20.140	ug/l	97
31) Cyclohexane	4.97	56	124285	17.847	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	119006	19.651	ug/l	99
36) 1,1-Dichloropropene	5.12	75	101653	18.622	ug/l	99
37) Ethyl Acetate	4.36	43	125286	20.495	ug/l	99
38) Carbon Tetrachloride	5.11	117	100858	19.141	ug/l	99

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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	112261	17.448	ug/l	97
40) Benzene	5.37	78	323762	19.603	ug/l	99
41) Methacrylonitrile	4.52	41	67340	21.480	ug/l	99
42) 1,2-Dichloroethane	5.38	62	117025	20.519	ug/l	99
43) Isopropyl Acetate	5.53	43	191561	20.598	ug/l	99
44) Trichloroethene	6.17	130	86030	19.836	ug/l	99
45) 1,2-Dichloropropane	6.41	63	93124	20.483	ug/l	100
46) Dibromomethane	6.54	93	61367	20.951	ug/l	98
47) Bromodichloromethane	6.74	83	116117	20.262	ug/l	98
48) Methyl methacrylate	6.60	41	88365	19.691	ug/l	96
49) 1,4-Dioxane	6.59	88	39858	354.481	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	662066	103.085	ug/l	100
52) Toluene	7.62	92	205149	20.164	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	125792	19.783	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	140117	20.170	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	88097	20.471	ug/l	98
56) Ethyl methacrylate	8.00	69	124433	18.064	ug/l	98
57) 1,3-Dichloropropane	8.22	76	148452	20.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	233977	98.275	ug/l	100
59) 2-Hexanone	8.34	43	505361	104.232	ug/l	98
60) Dibromochloromethane	8.46	129	95009	20.567	ug/l	97
61) 1,2-Dibromoethane	8.57	107	90517	19.967	ug/l	99
64) Tetrachloroethene	8.21	164	74667	19.907	ug/l	99
65) Chlorobenzene	9.10	112	225312	19.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	83076	19.933	ug/l	98
67) Ethyl Benzene	9.23	91	371273	19.056	ug/l	99
68) m/p-Xylenes	9.36	106	285709	38.566	ug/l	99
69) o-Xylene	9.76	106	137057	19.283	ug/l	98
70) Styrene	9.77	104	244795	20.087	ug/l	100
71) Bromoform	9.94	173	70698	19.524	ug/l #	99
73) Isopropylbenzene	10.15	105	369924	18.195	ug/l	100
74) N-amyl acetate	10.00	43	162146	18.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	151703	19.495	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	134235m	19.677	ug/l	
77) Bromobenzene	10.43	156	102507	18.743	ug/l	99
78) n-propylbenzene	10.57	91	436294	18.427	ug/l	99
79) 2-Chlorotoluene	10.64	91	263275	18.538	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	325154	18.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	33883m	16.724	ug/l	
82) 4-Chlorotoluene	10.75	91	301486	18.459	ug/l	99
83) tert-Butylbenzene	11.08	119	303801	17.909	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	324190	18.946	ug/l	99
85) sec-Butylbenzene	11.30	105	366125	18.008	ug/l	100
86) p-Isopropyltoluene	11.46	119	340513	18.518	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	183641	18.967	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	185071	18.900	ug/l	98
89) n-Butylbenzene	11.87	91	296010	18.259	ug/l	99
90) Hexachloroethane	12.12	117	51514	16.203	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	181029	19.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29643	19.121	ug/l	98

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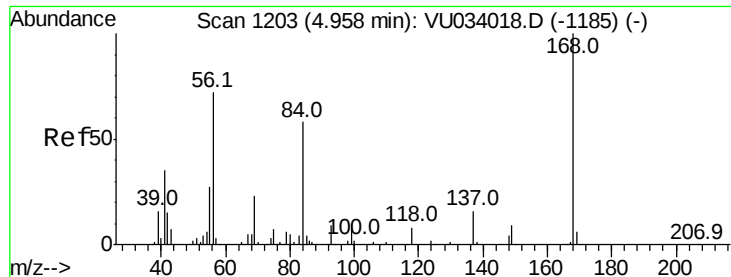
Manual Integrations
APPROVED

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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	13.49	180	112921	17.849	ug/l	99
94) Hexachlorobutadiene	13.67	225	56834	15.664	ug/l	99
95) Naphthalene	13.72	128	317625	18.000	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	113325	19.074	ug/l	98

(#) = 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: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampled :

VU0903WBSD01

Tot Ion:168 Resp: 363958

Ion Ratio Lower Upper

168 100

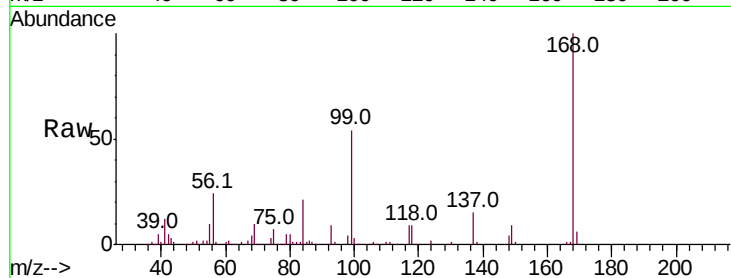
99 53.1 42.3 63.5

Manual Integrations

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

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

150000

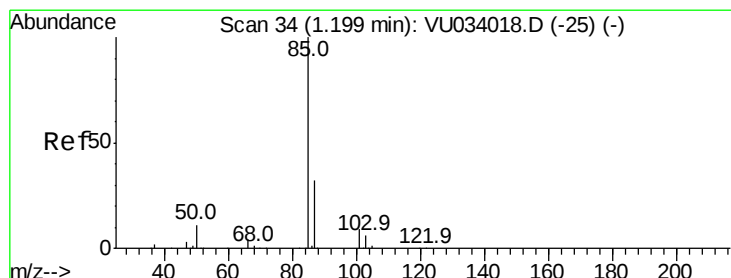
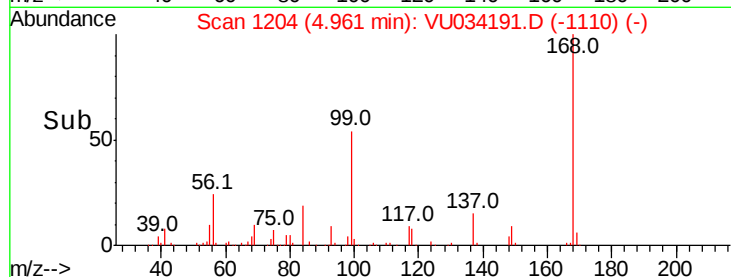
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.225 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034191.D

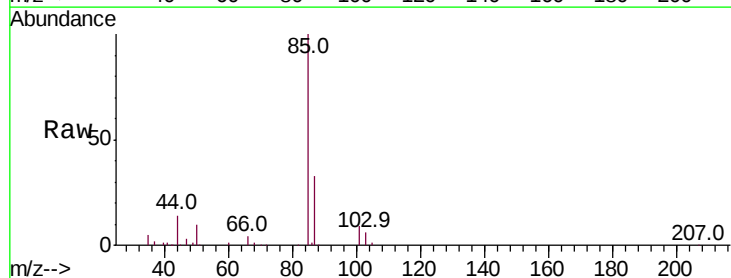
Acq: 02 Sep 2019 10:56

Tgt Ion: 85 Resp: 66712

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



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

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

60000

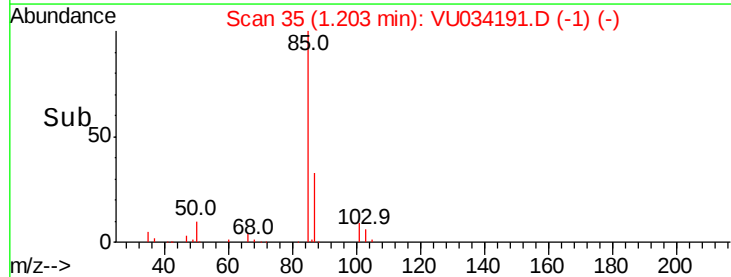
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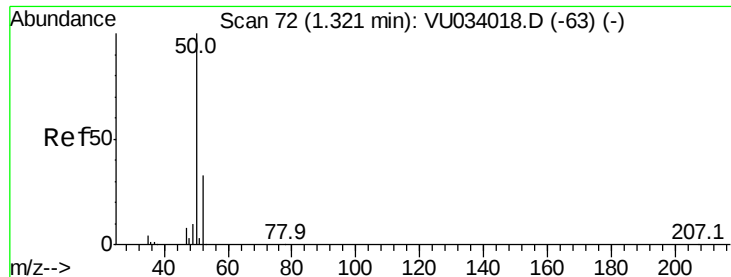
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.639 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 50 Resp: 88158

Ion Ratio Lower Upper

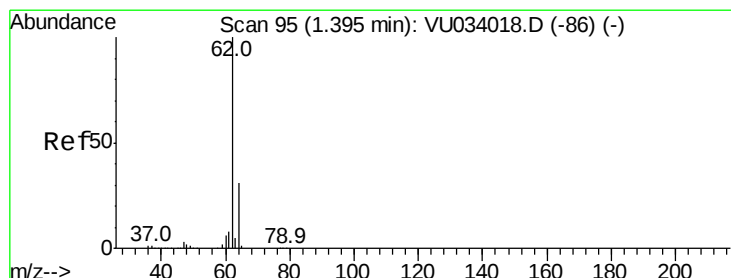
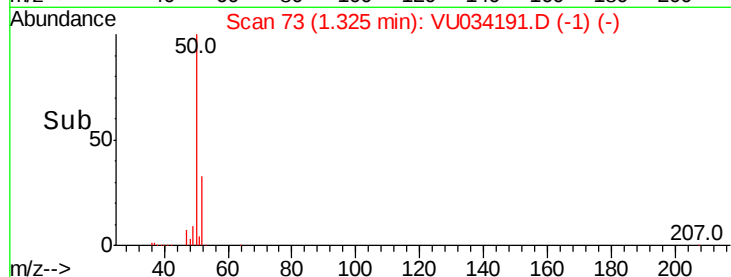
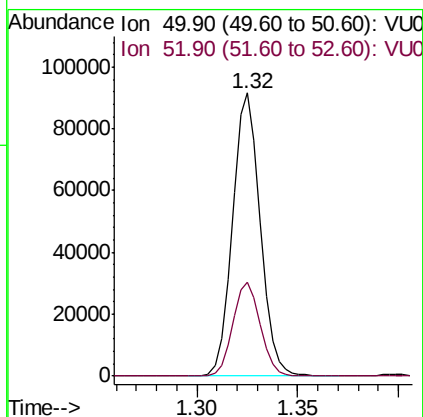
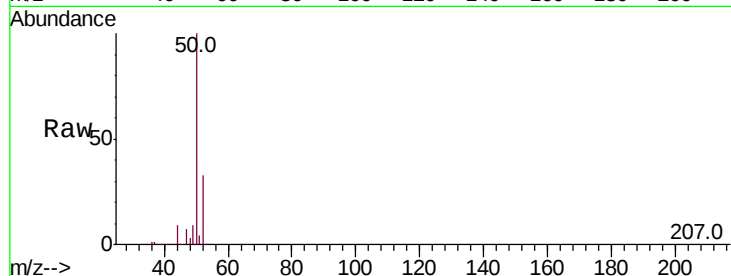
50 100

52 33.1 26.2 39.4

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9/3/2019 1:09:33 PM



#4

Vinyl Chloride

Concen: 17.945 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034191.D

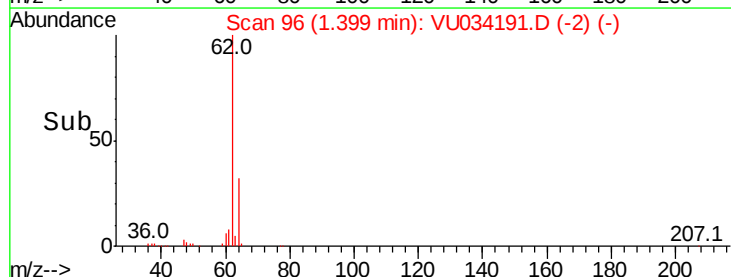
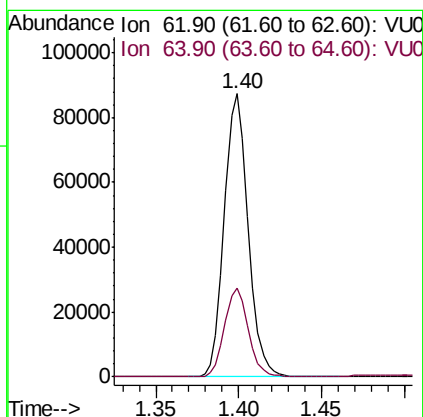
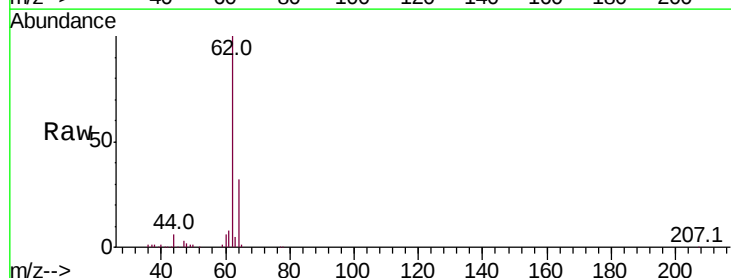
Acq: 02 Sep 2019 10:56

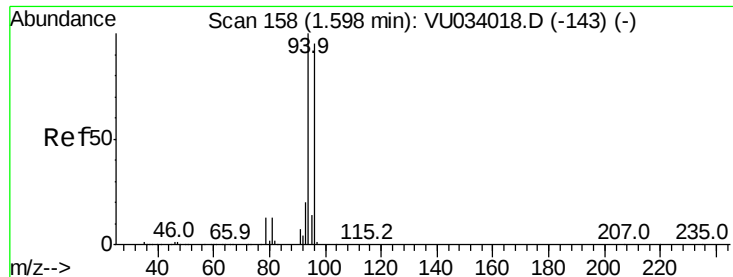
Tgt Ion: 62 Resp: 87423

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 18.608 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 94 Resp: 52189

Ion Ratio Lower Upper

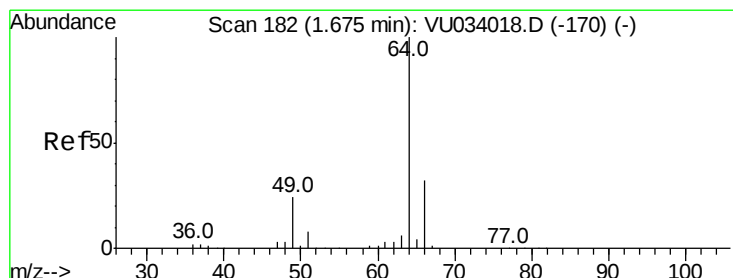
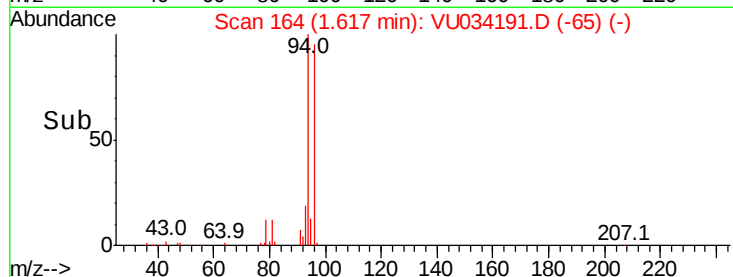
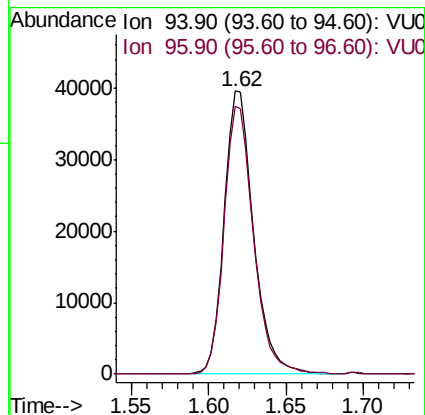
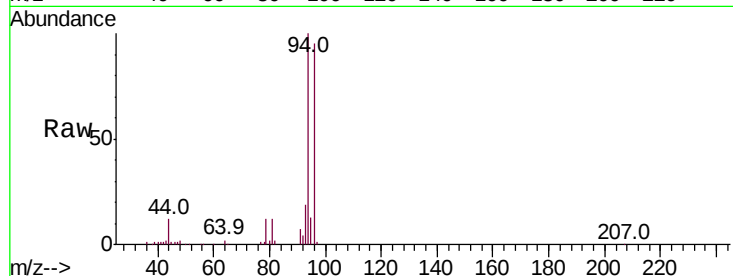
94 100

96 94.8 76.3 114.5

Manual Integrations
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#6

Chloroethane

Concen: 18.589 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034191.D

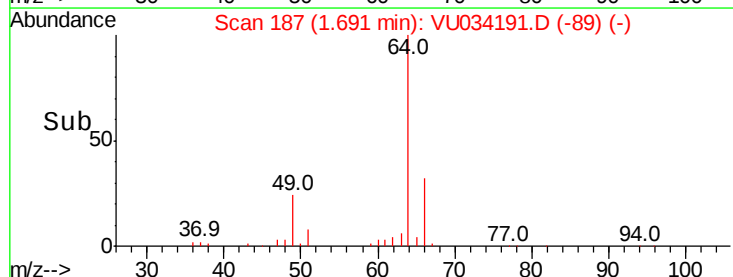
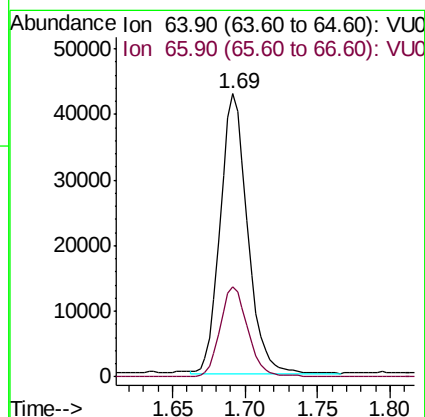
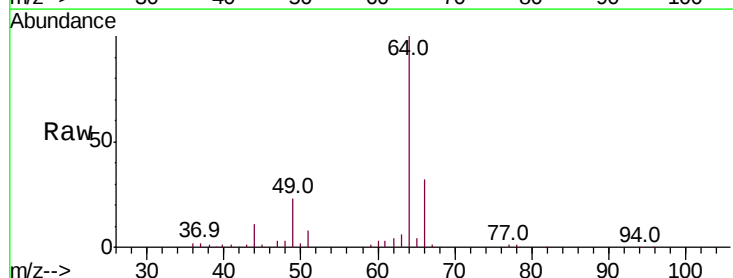
Acq: 02 Sep 2019 10:56

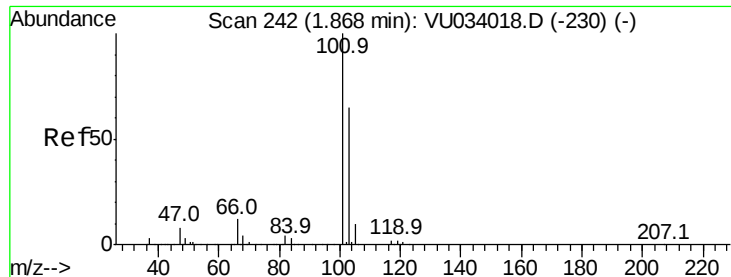
Tgt Ion: 64 Resp: 55367

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

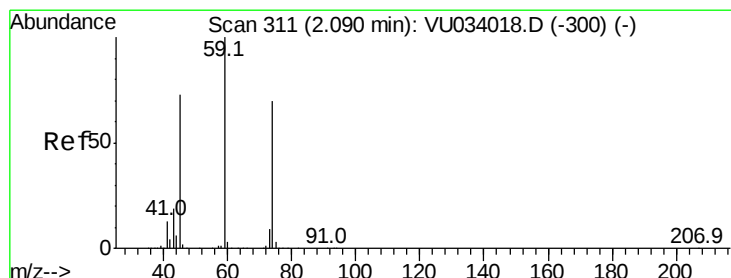
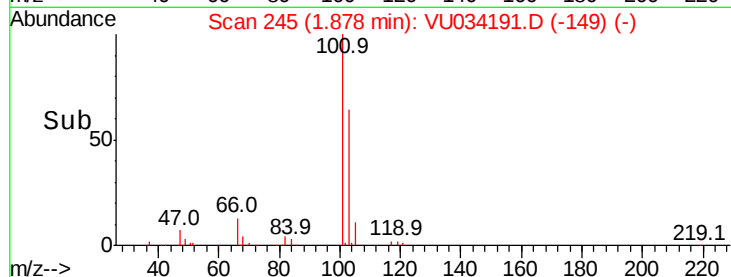
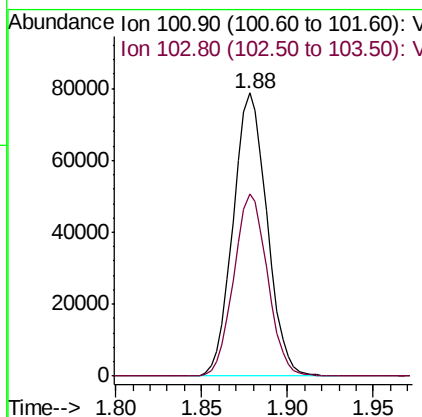
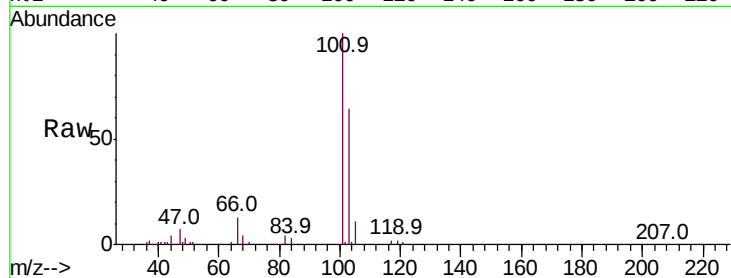
Trichlorofluoromethane
Concen: 19.089 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

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ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

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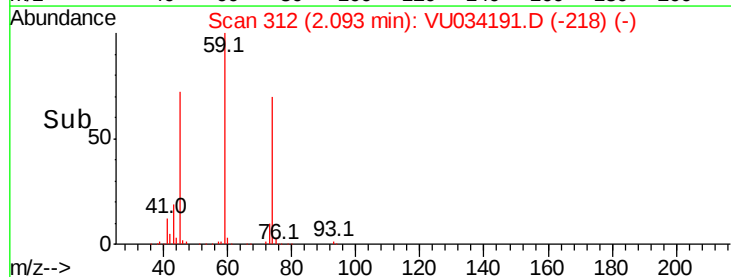
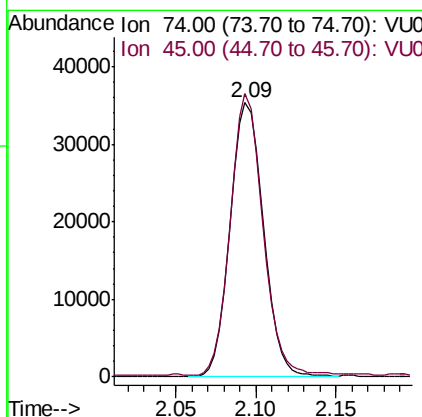
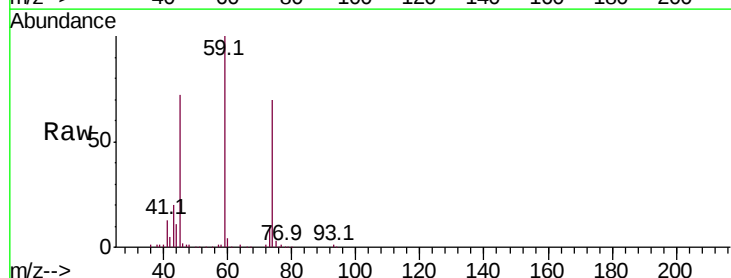
MMDadoda
9/3/2019 1:09:33 PM

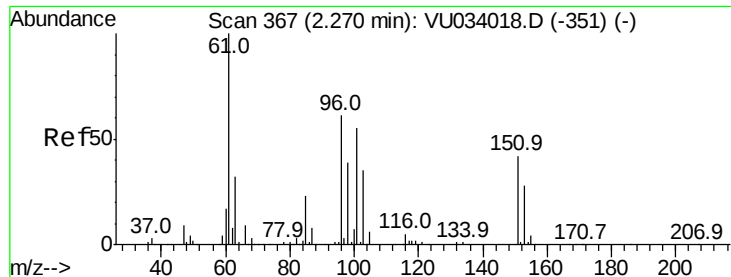


#8

Diethyl Ether
Concen: 20.719 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.412 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

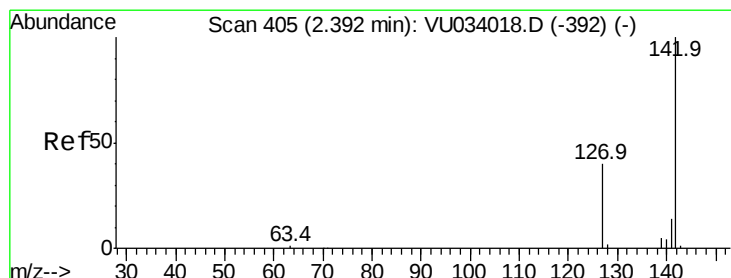
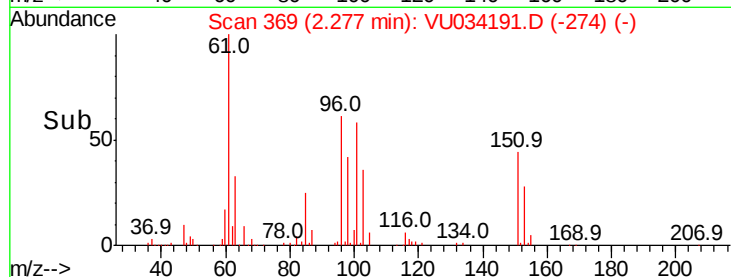
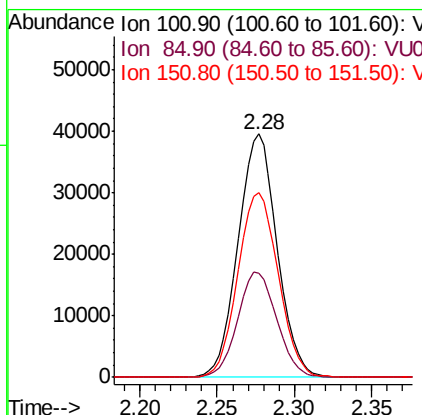
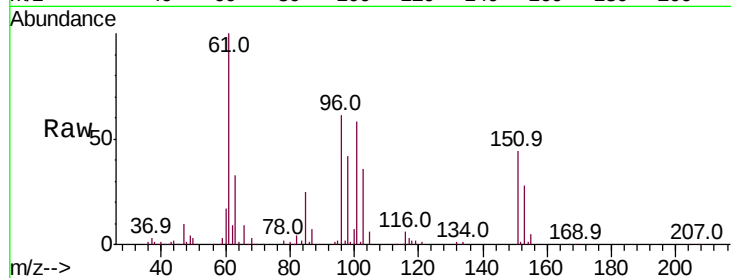
ClientSampleId :

VU0903WBSD01

Tot Ion:	101	Resp:	69419
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.2
151	78.5	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 9.626 ug/l

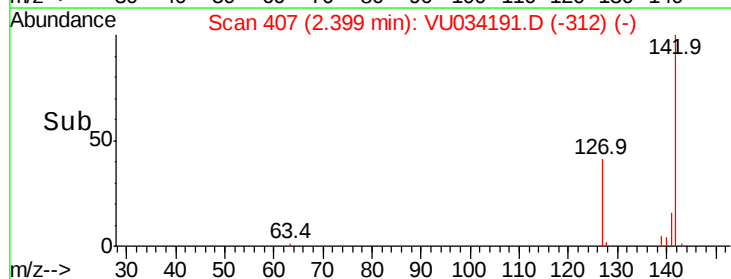
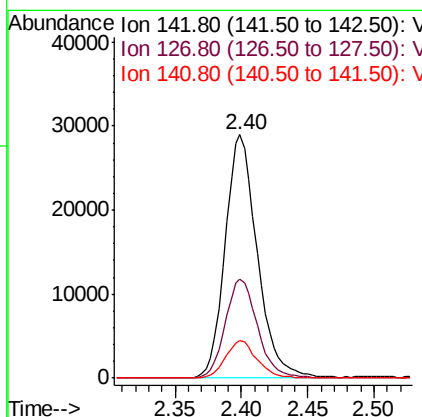
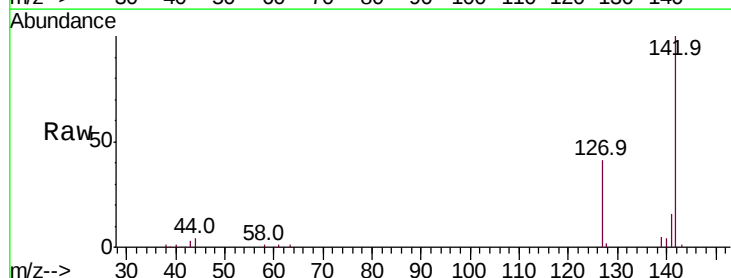
RT: 2.40 min Scan# 407

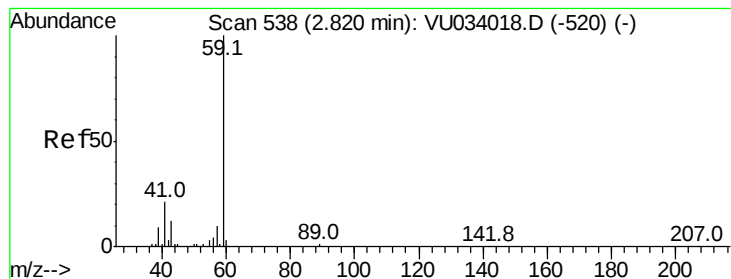
Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	142	Resp:	48829
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	48.8
141	15.1	11.3	16.9





#11

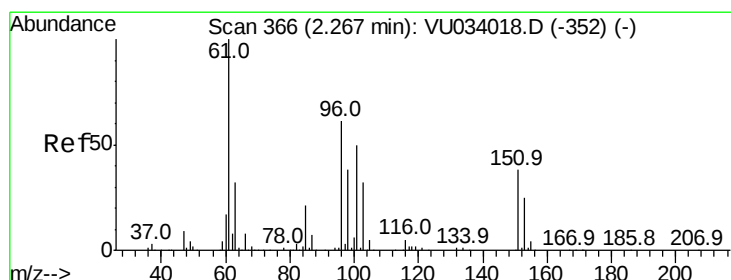
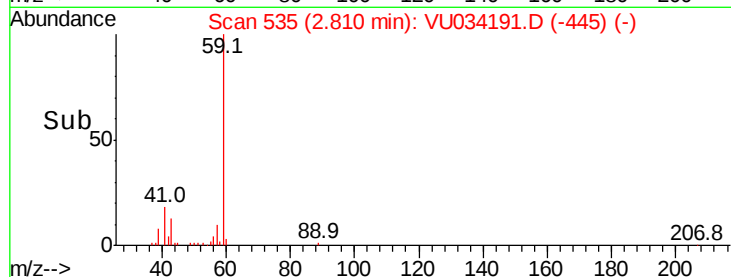
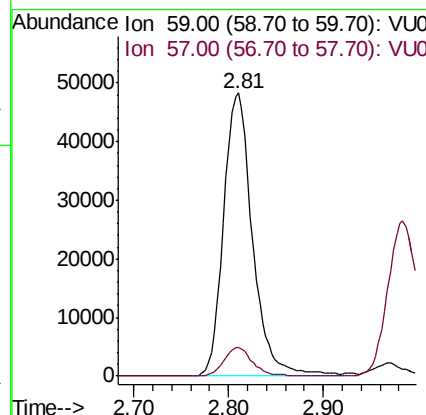
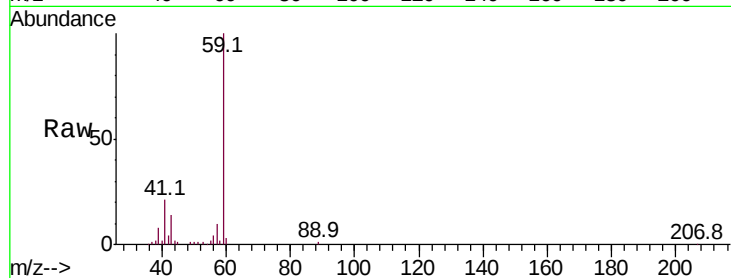
Tert butyl alcohol
 Concen: 95.825 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
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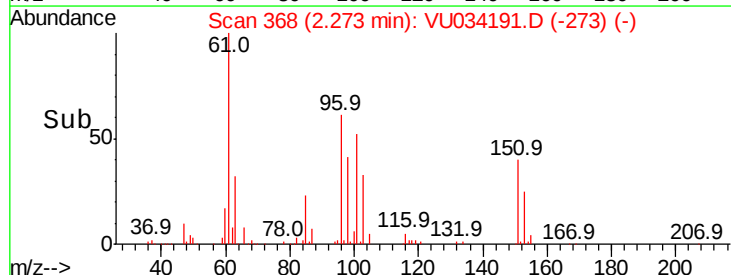
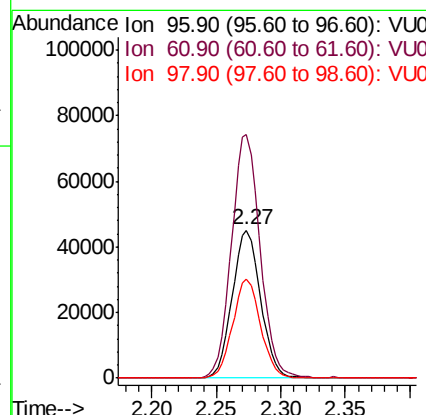
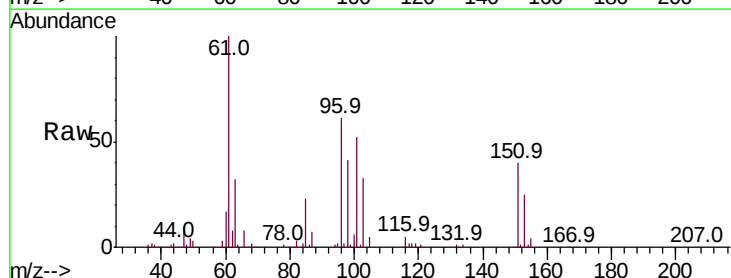
MMDadoda
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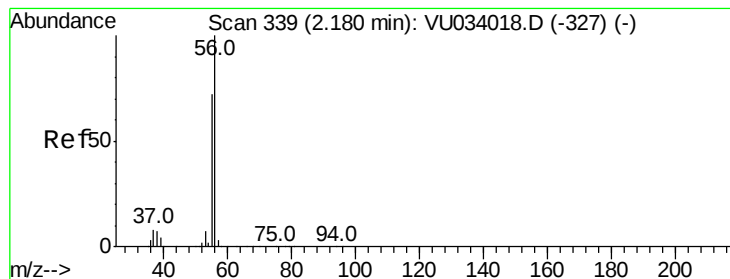


#12

1,1-Dichloroethene
 Concen: 18.960 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	131.3	196.9
98	67.3	50.3	75.5





#13

Acrolein

Concen: 55.030 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 56 Resp: 24896

Ion Ratio Lower Upper

56 100

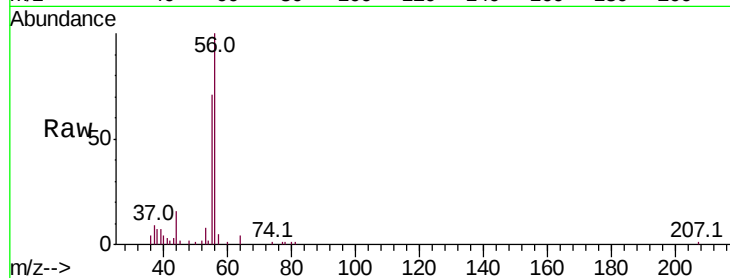
55 70.0 57.1 85.7

Manual Integrations

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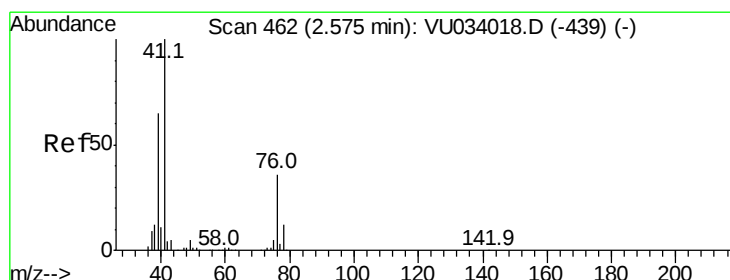
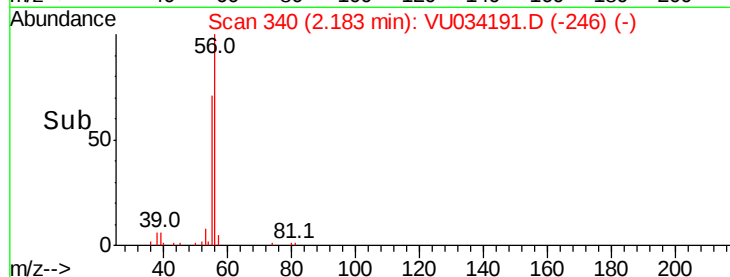
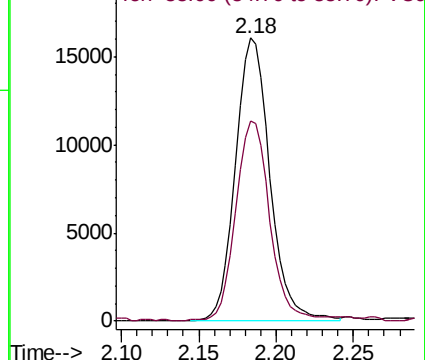
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.683 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

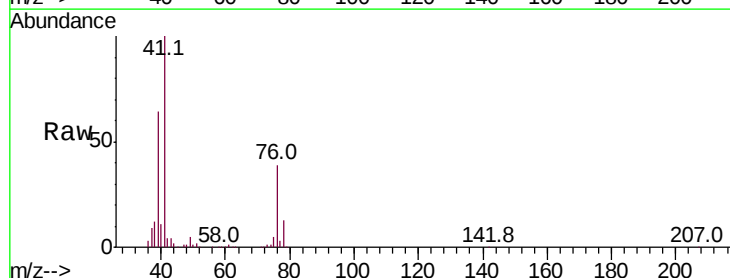
Tgt Ion: 41 Resp: 134843

Ion Ratio Lower Upper

41 100

39 53.9 46.8 70.2

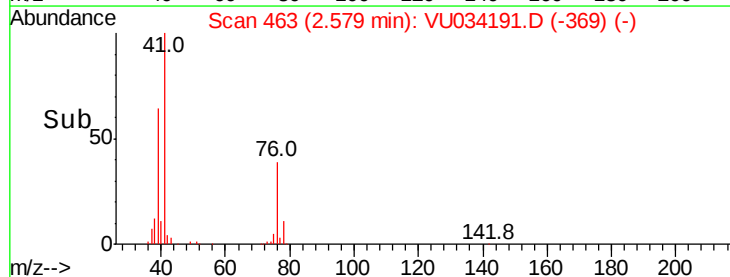
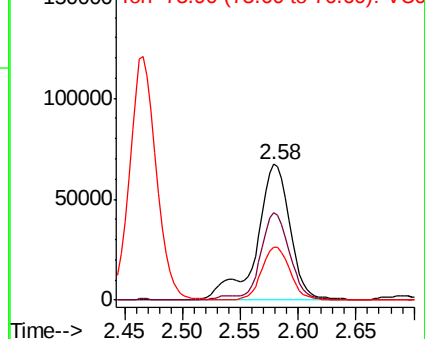
76 32.4 26.6 40.0

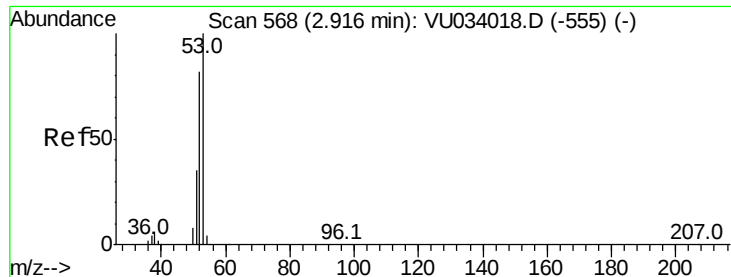


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 107.778 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

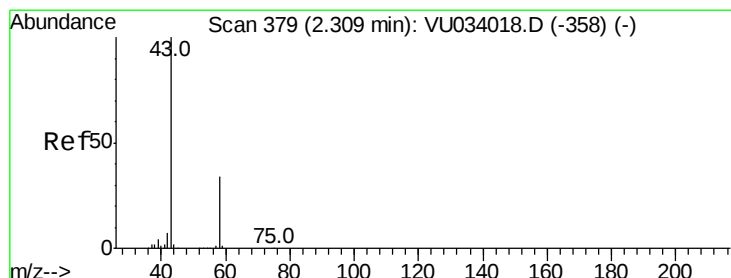
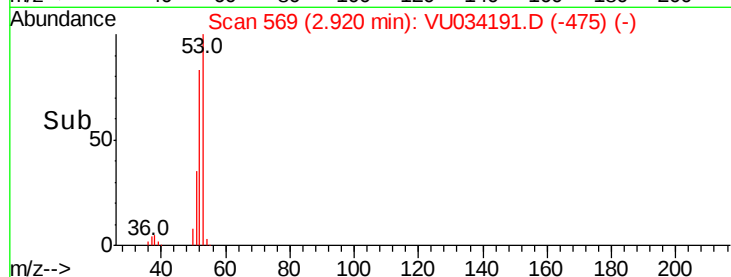
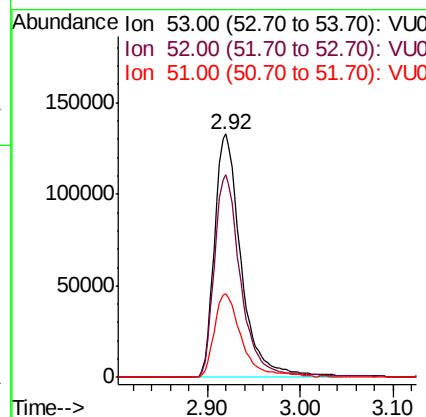
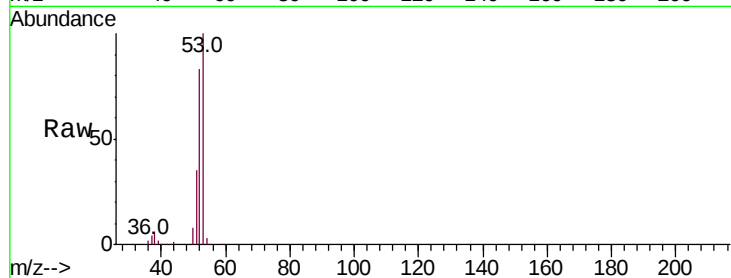
ClientSampleID :

VU0903WBSD01

Tot Ion:	53	Resp:	265973
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.7	98.5
51	35.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 104.431 ug/l

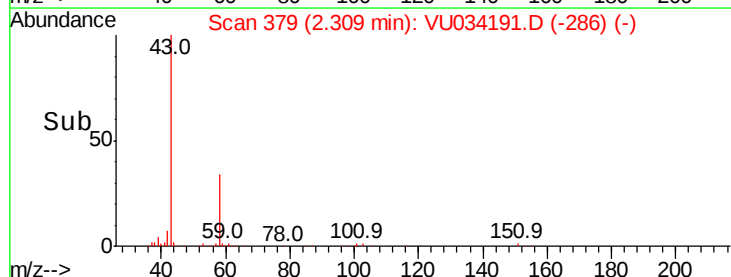
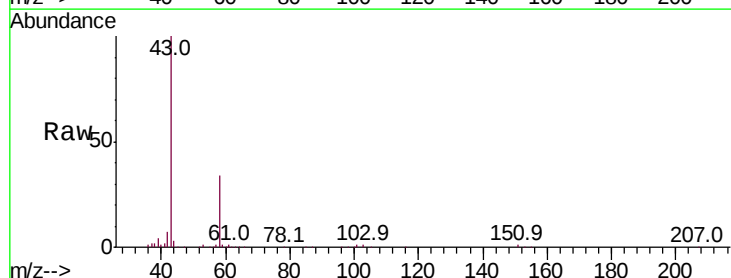
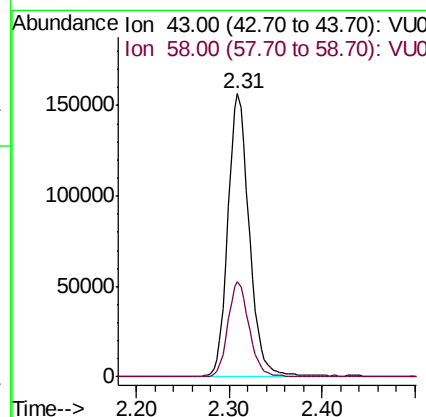
RT: 2.31 min Scan# 379

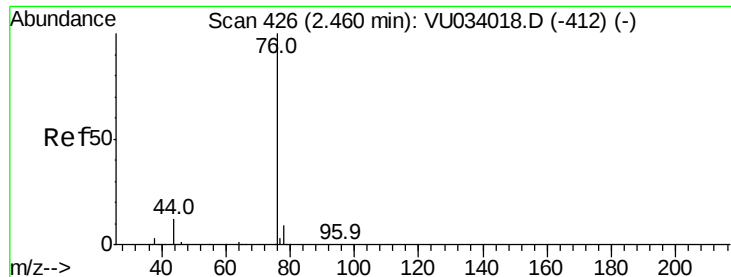
Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	43	Resp:	248499
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.8	40.2





#17

Carbon Disulfide

Concen: 16.830 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 76 Resp: 194085

Ion Ratio Lower Upper

76 100

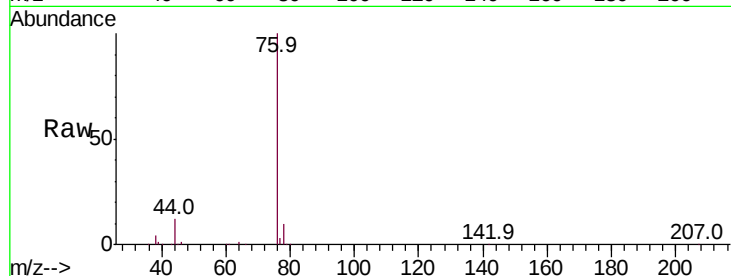
78 9.6 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU034191.D (-412) (-)

Ion 77.90 (77.60 to 78.60): VU034191.D (-412) (-)

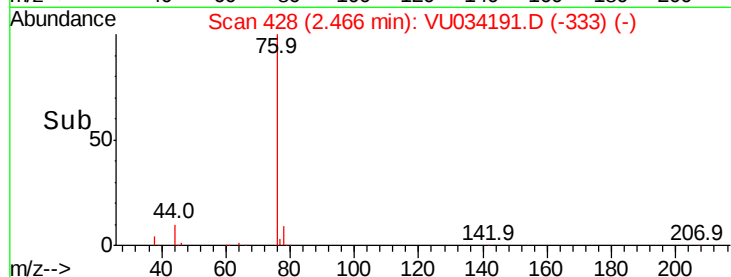
2.47

100000

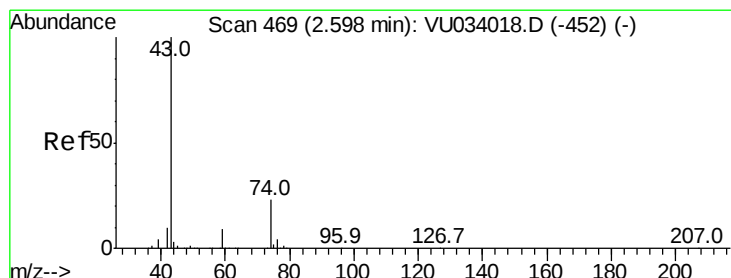
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 20.760 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034191.D

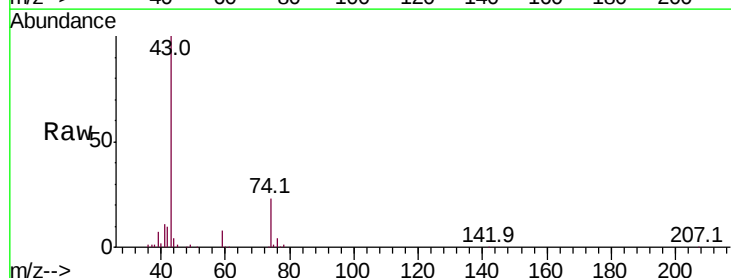
Acq: 02 Sep 2019 10:56

Tgt Ion: 43 Resp: 127658

Ion Ratio Lower Upper

43 100

74 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034191.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034191.D (-376) (-)

2.60

80000

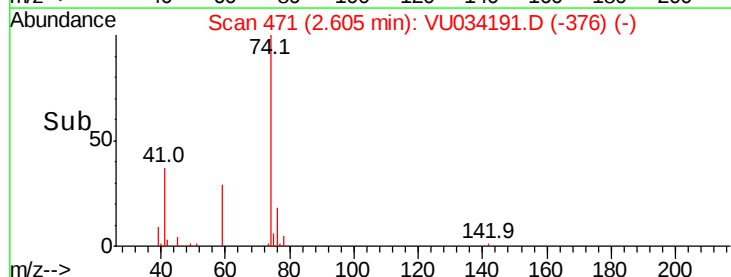
60000

40000

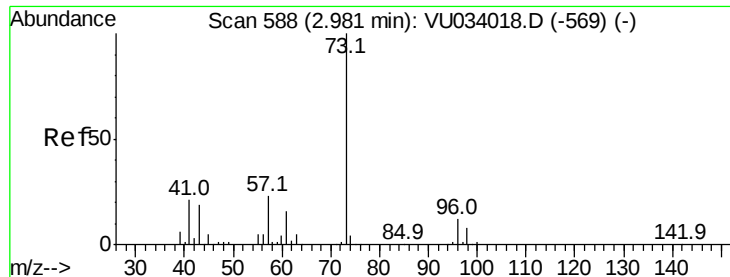
20000

0

Time-->



Time-->



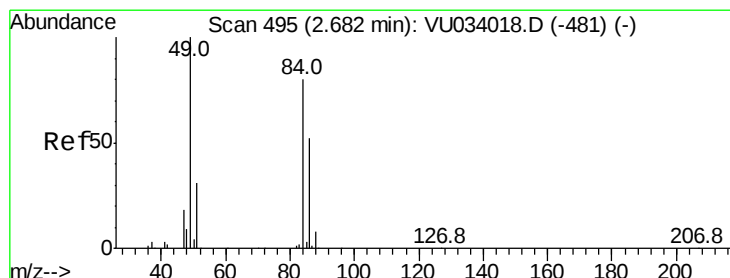
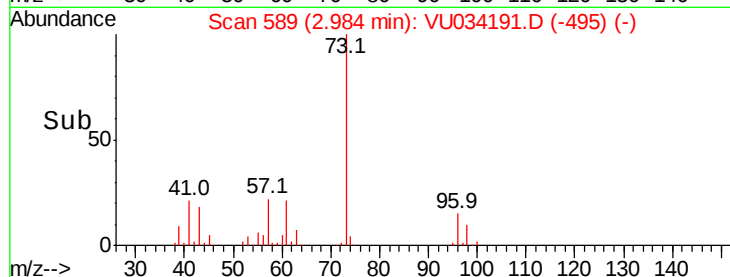
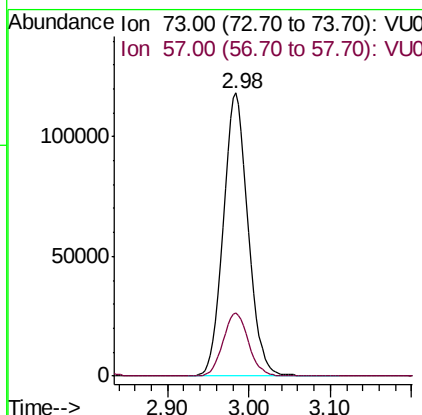
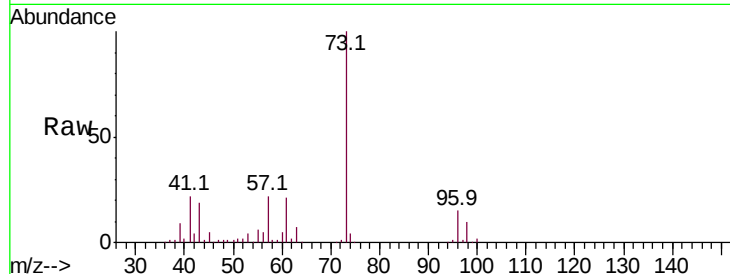
#19
Methyl tert-butyl Ether
Concen: 21.206 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion: 73 Resp: 253167
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

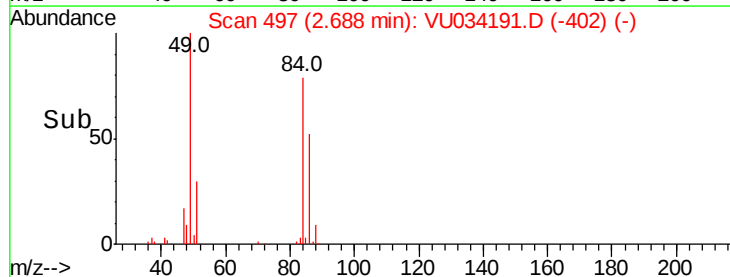
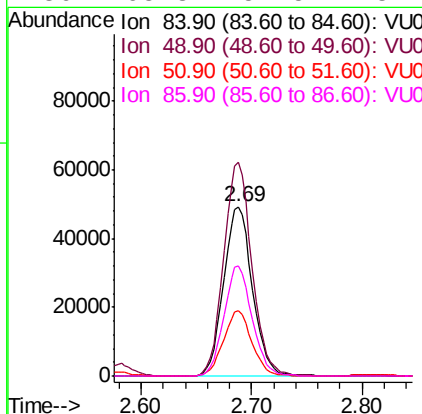
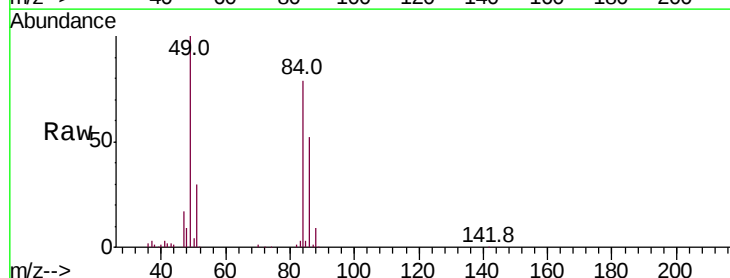
Manual Integrations
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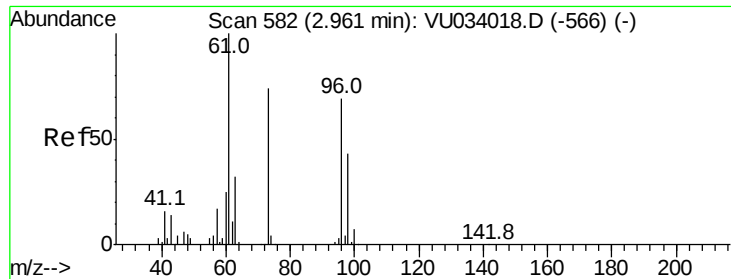
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#20
Methylene Chloride
Concen: 19.806 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion: 84 Resp: 89223
Ion Ratio Lower Upper
84 100
49 126.1 100.2 150.4
51 38.3 30.8 46.2
86 65.3 52.5 78.7





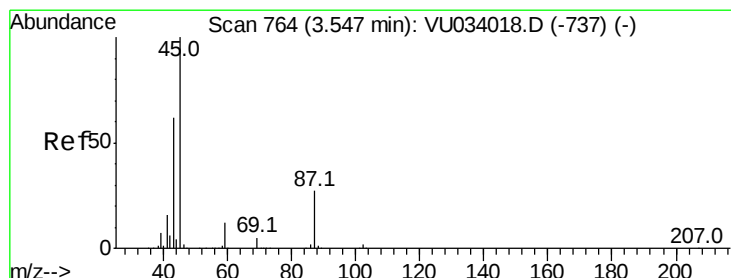
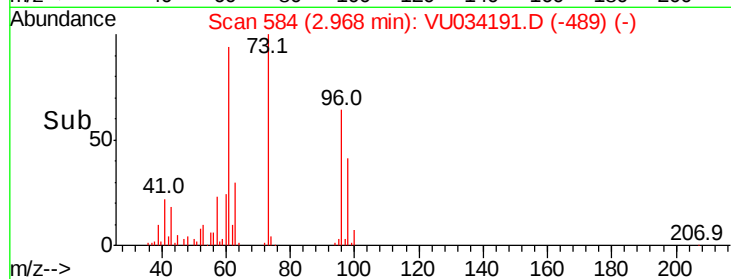
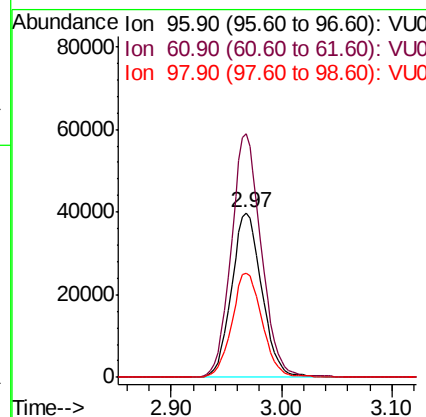
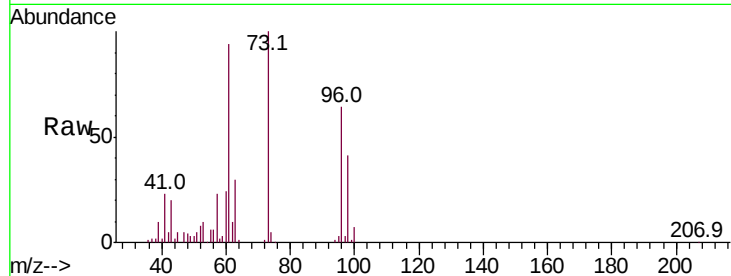
#21
trans-1,2-Dichloroethene
Concen: 19.172 ug/l
RT: 2.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	115.5	173.3
98	63.8	50.1	75.1

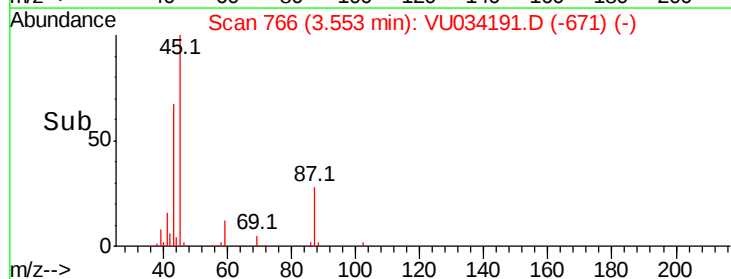
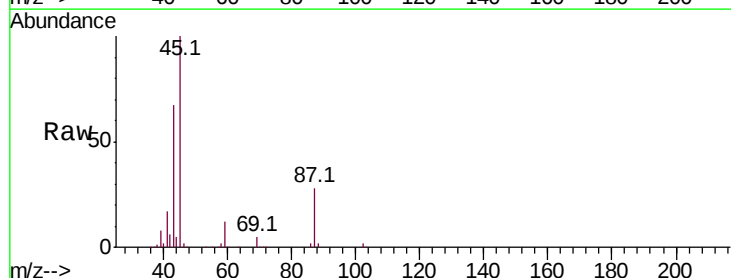
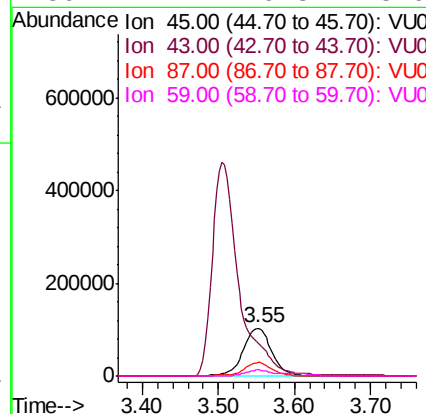
Manual Integrations
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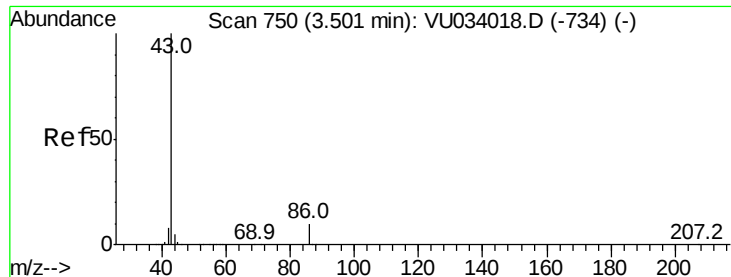
MMDadoda
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#22
Diisopropyl ether
Concen: 21.414 ug/l
RT: 3.55 min Scan# 766
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.2	49.7	74.5
87	28.1	21.8	32.8
59	12.2	9.3	13.9





#23

Vinyl Acetate

Concen: 104.657 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleID :

VU0903WBSD01

Tot Ion: 43 Resp: 1128565

Ion Ratio Lower Upper

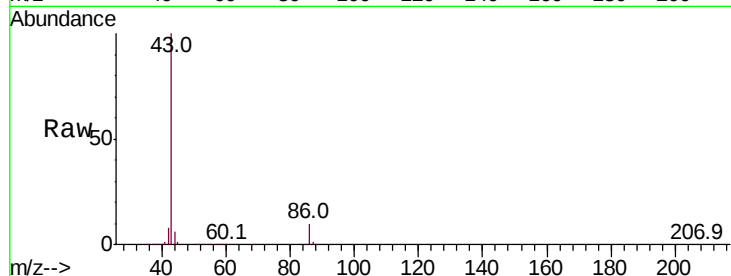
43 100

86 10.5 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

400000

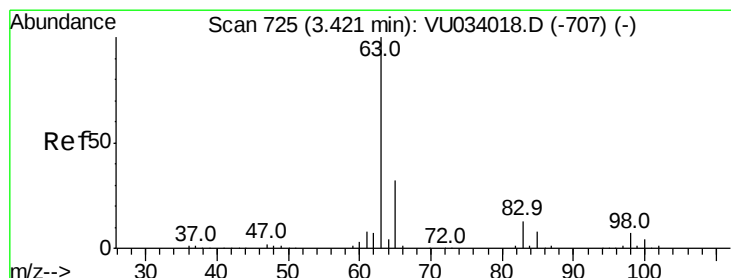
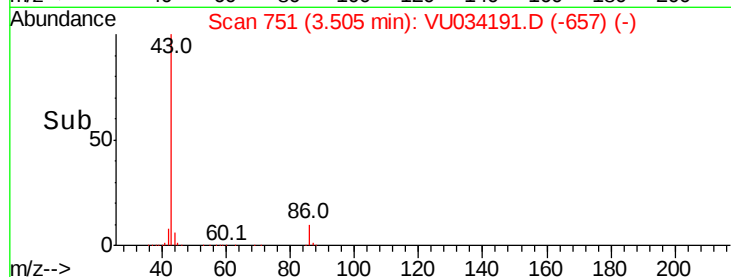
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.536 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

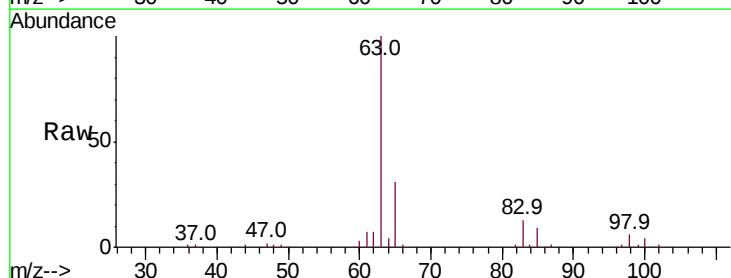
Tgt Ion: 63 Resp: 152197

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.43

80000

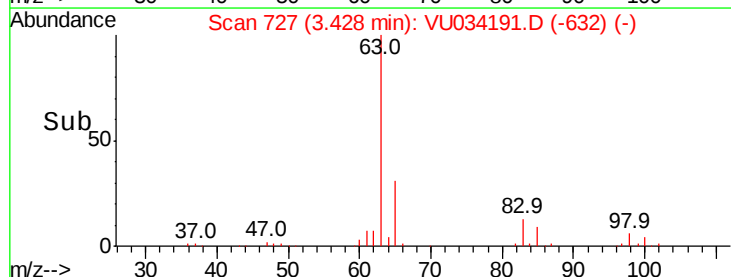
60000

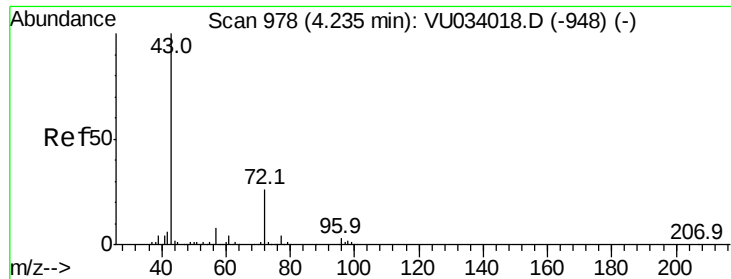
40000

20000

0

Time-->





#25

2-Butanone

Concen: 107.088 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 43 Resp: 354522

Ion Ratio Lower Upper

43 100

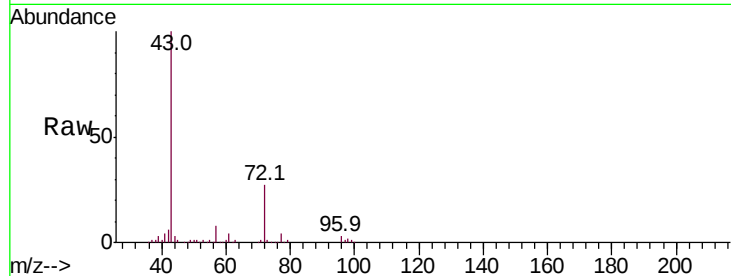
72 26.9 21.2 31.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

100000

50000

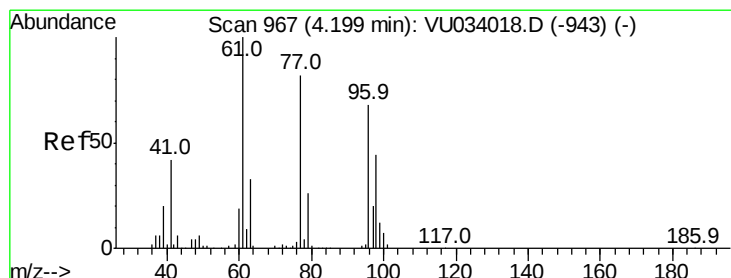
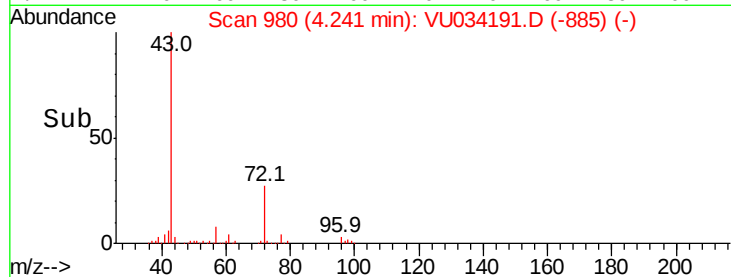
0

4.20

4.24

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 19.479 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034191.D

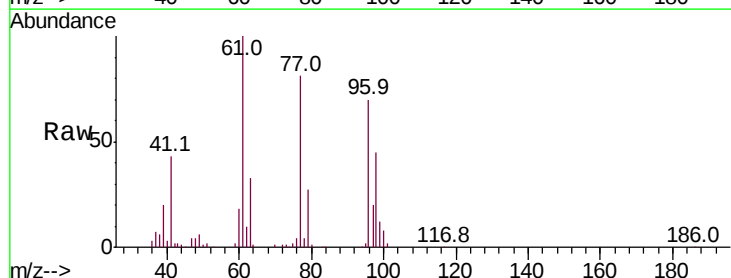
Acq: 02 Sep 2019 10:56

Tgt Ion: 77 Resp: 117470

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

50000

40000

30000

20000

10000

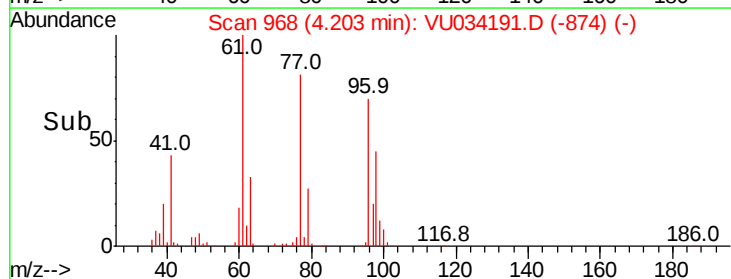
0

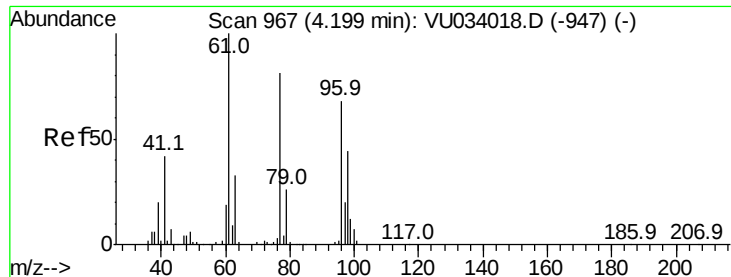
4.10

4.20

4.30

Time-->





#27

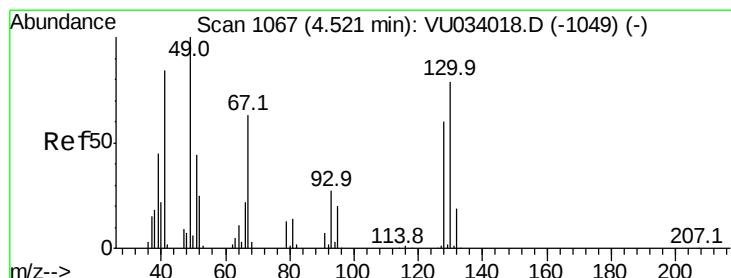
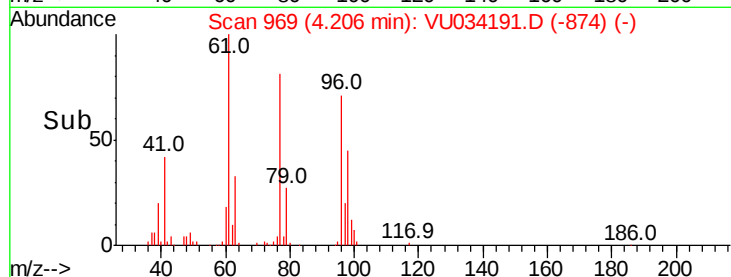
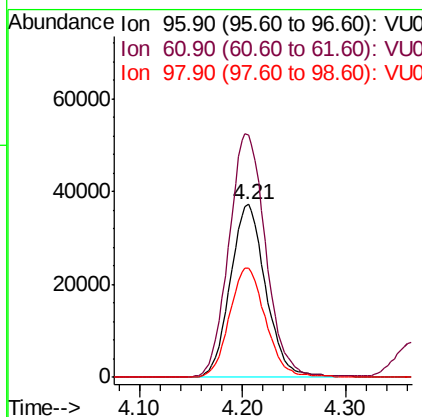
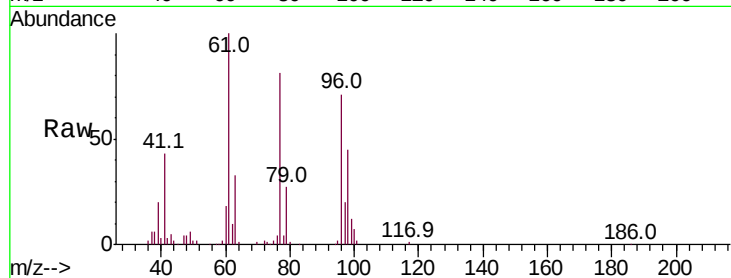
cis-1,2-Dichloroethene
 Concen: 20.098 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	303.0
98	64.9	0.0	129.2

Manual Integrations
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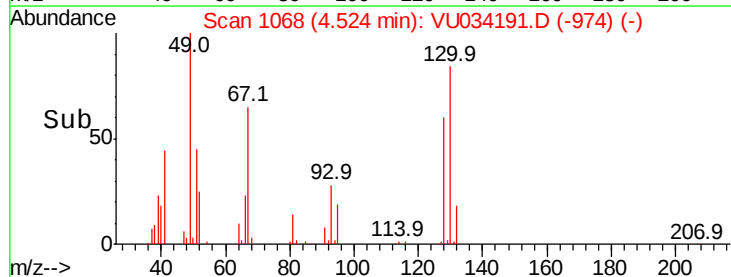
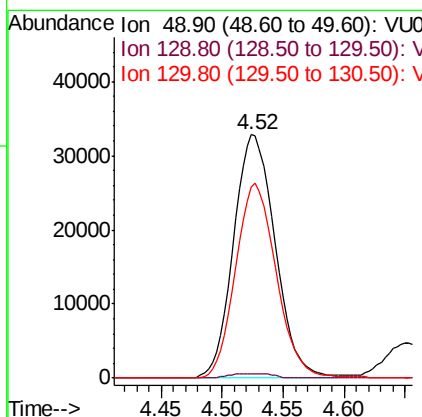
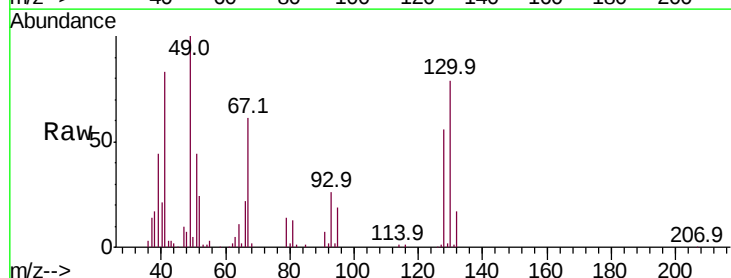
MMDadoda
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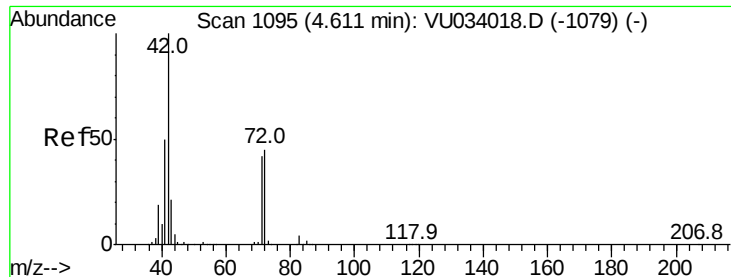


#28

Bromochloromethane
 Concen: 21.329 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	78.3	62.8	94.2





#29

Tetrahydrofuran

Concen: 108.563 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

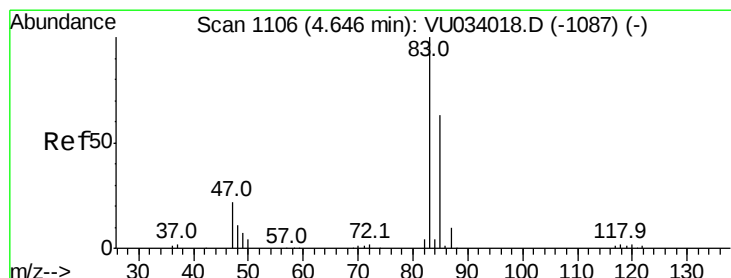
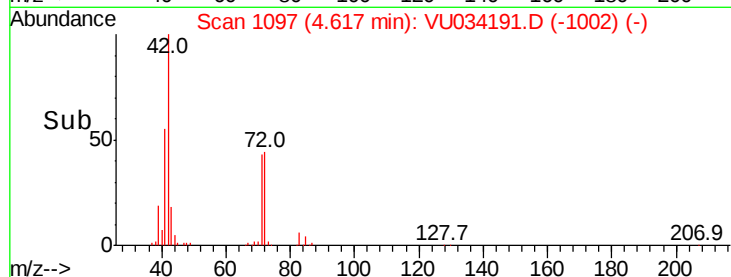
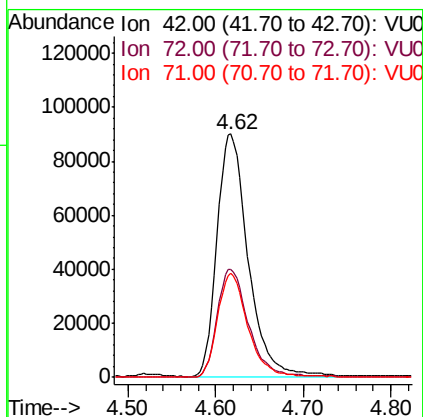
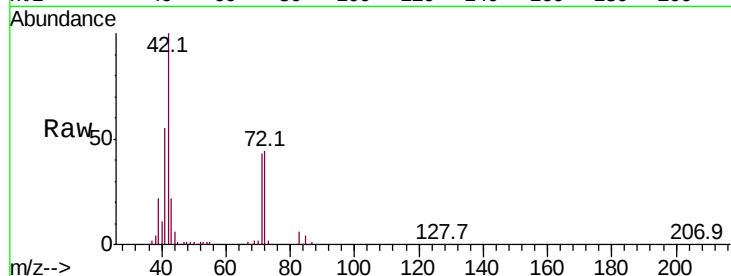
ClientSampleId :

VU0903WBSD01

Tot Ion:	42	Resp:	221646
Ion Ratio	Lower	Upper	
42	100		
72	45.5	35.8	53.6
71	42.1	34.0	51.0

Manual Integrations
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#30

Chloroform

Concen: 20.140 ug/l

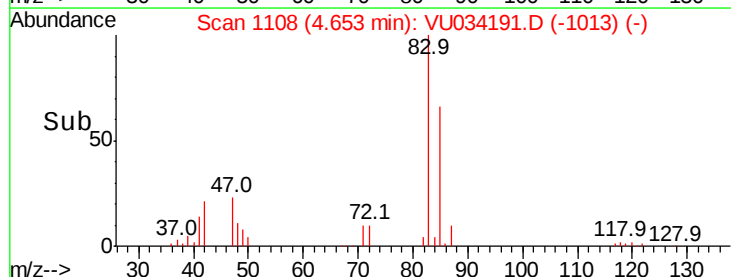
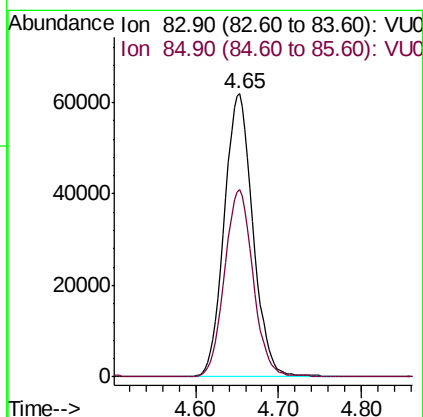
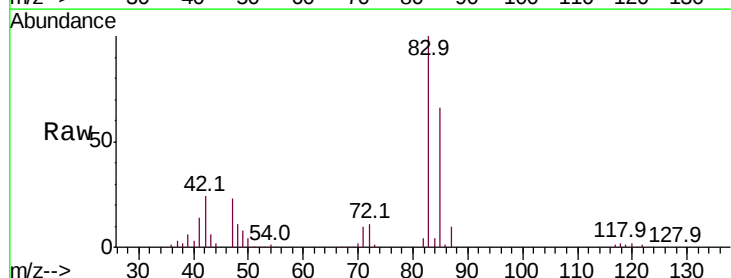
RT: 4.65 min Scan# 1108

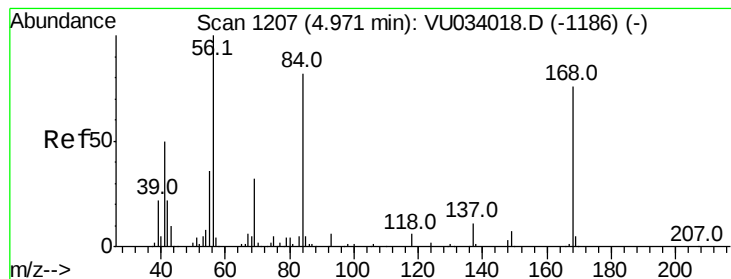
Delta R.T. 0.01 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	83	Resp:	148923
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.7	76.1





#31

Cyclohexane

Concen: 17.847 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 56 Resp: 124285

Ion Ratio Lower Upper

56 100

69 35.0 25.4 38.0

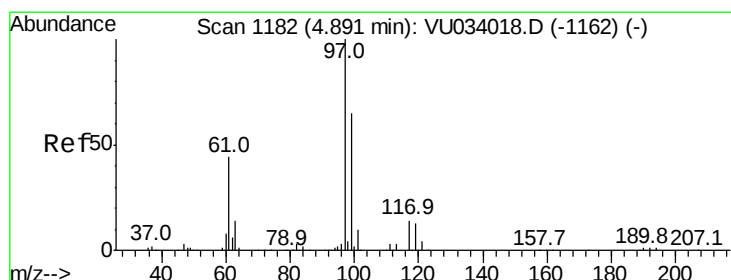
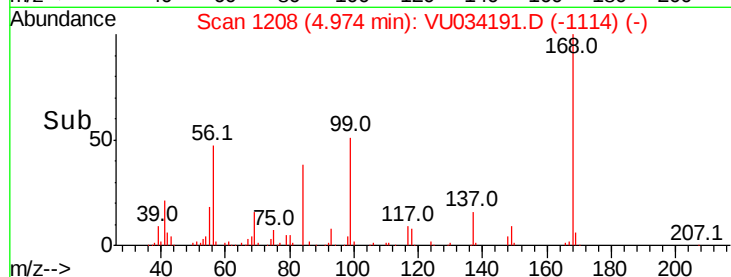
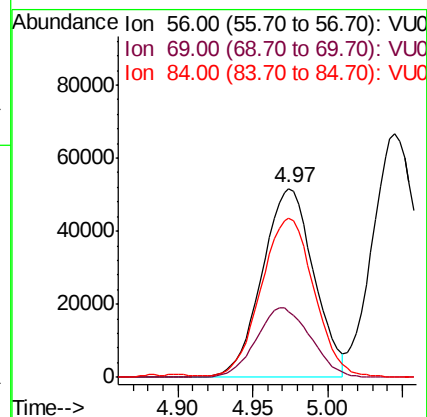
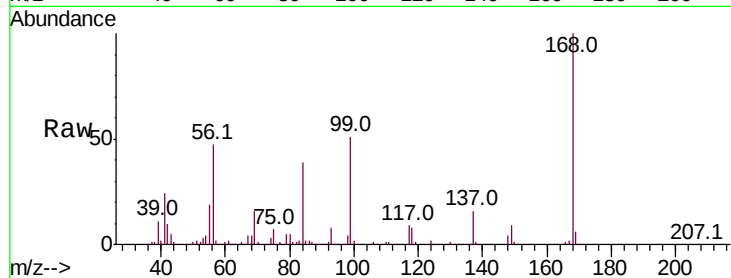
84 83.5 65.8 98.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.651 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

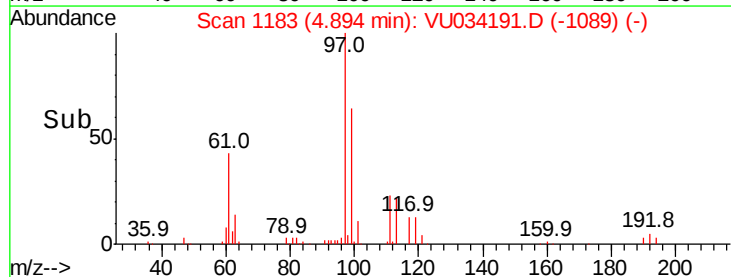
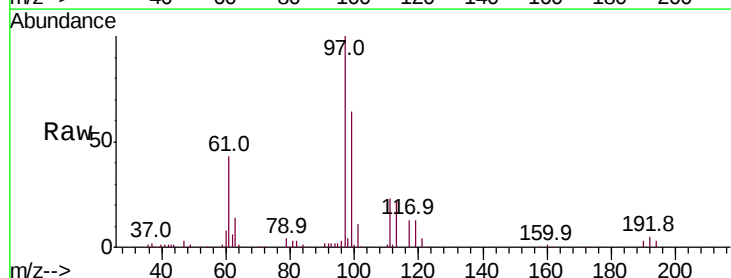
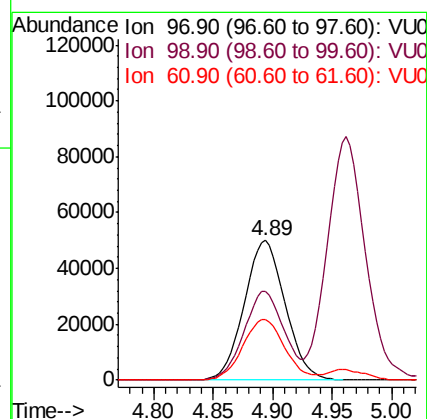
Tgt Ion: 97 Resp: 119006

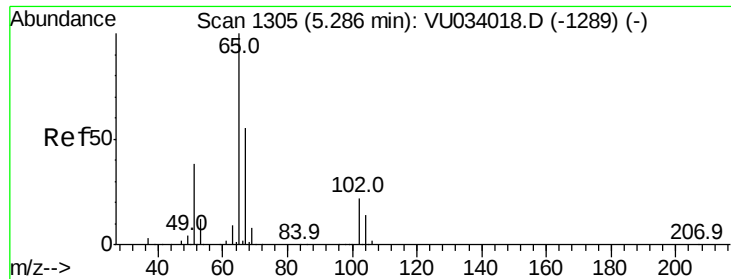
Ion Ratio Lower Upper

97 100

99 63.2 51.8 77.6

61 44.5 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 52.824 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 65 Resp: 246345

Ion Ratio Lower Upper

65 100

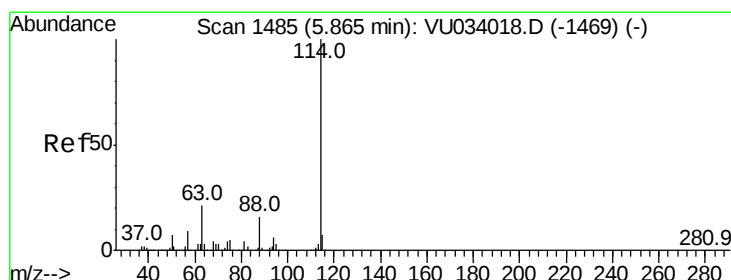
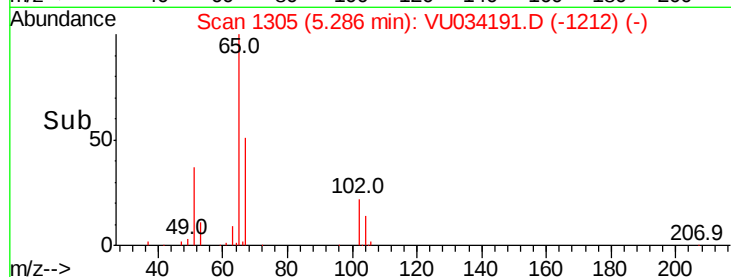
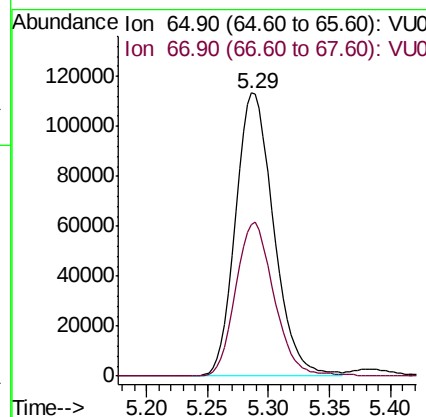
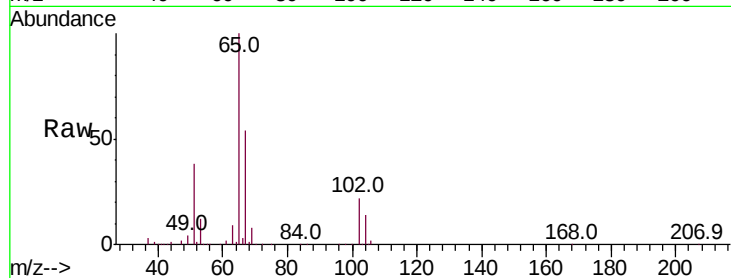
67 54.7 0.0 110.6

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: VU034191.D

Acq: 02 Sep 2019 10:56

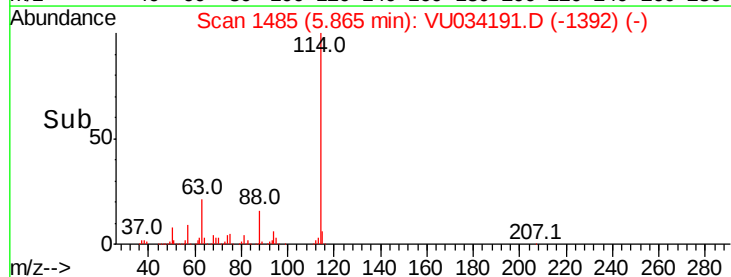
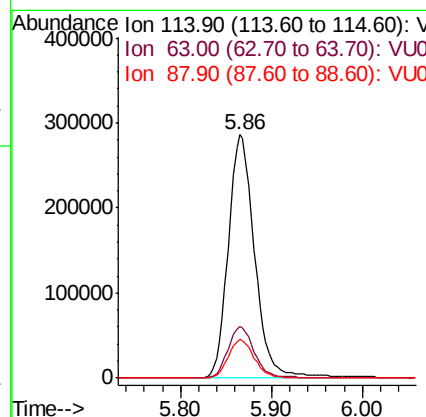
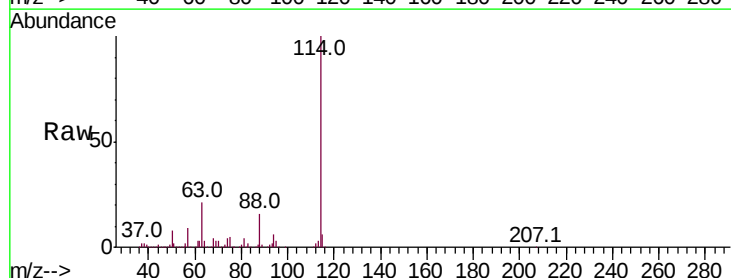
Tgt Ion: 114 Resp: 577117

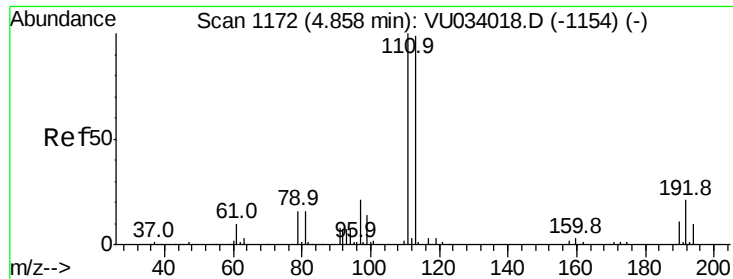
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

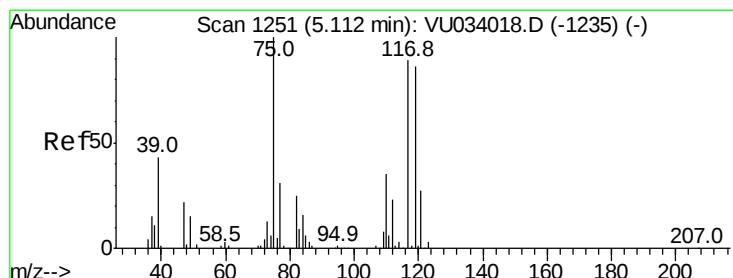
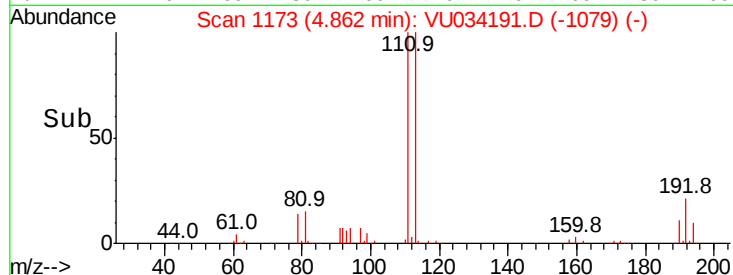
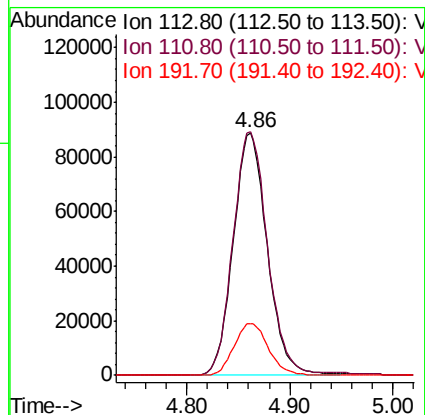
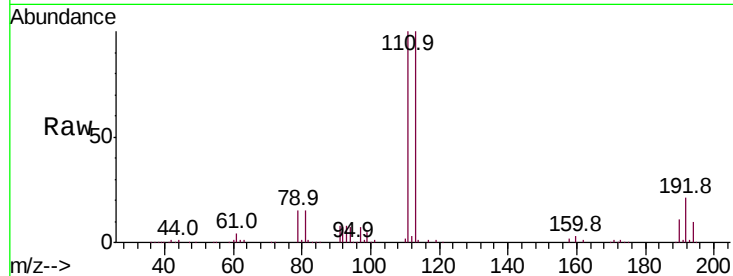
ClientSampleId :

VU0903WBSD01

Tot Ion:	113	Resp:	204163
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.7	122.5
192	21.6	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.622 ug/l

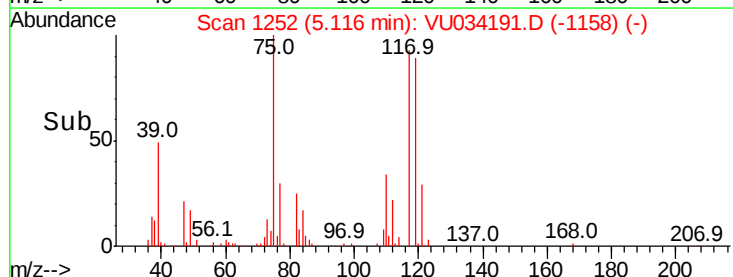
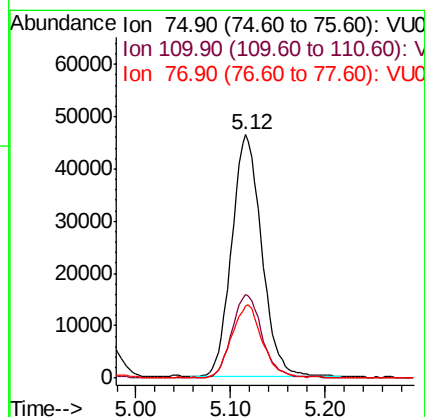
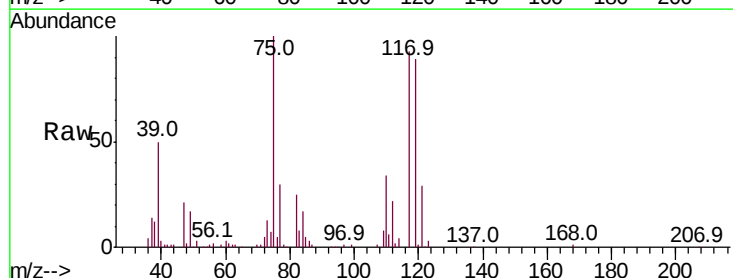
RT: 5.12 min Scan# 1252

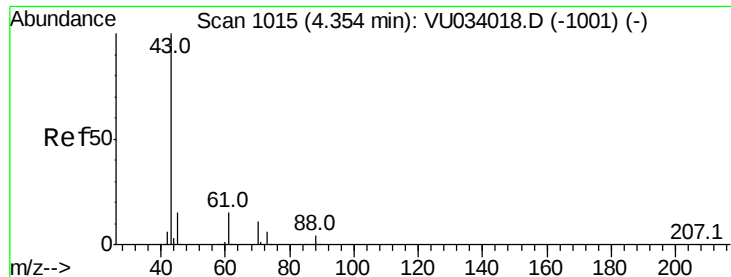
Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	75	Resp:	101653
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.8	53.5
77	31.2	25.0	37.4





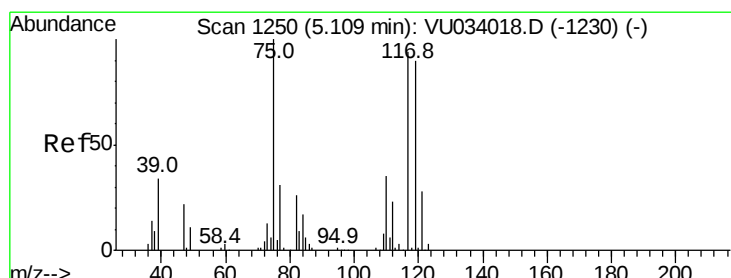
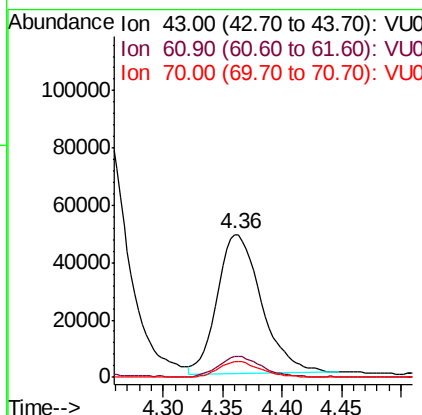
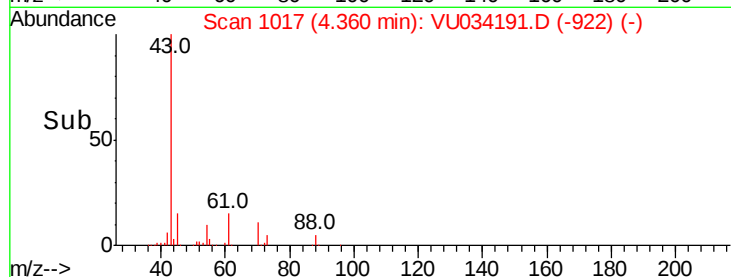
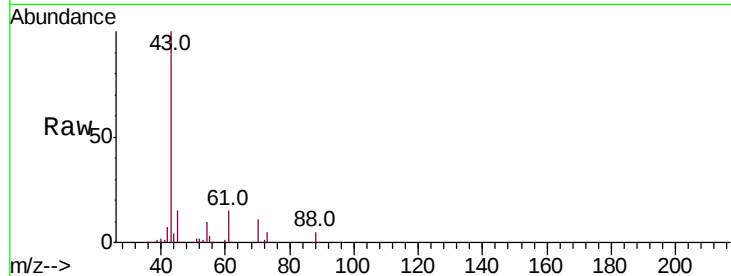
#37
Ethyl Acetate
Concen: 20.495 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	10.9	8.6	12.8

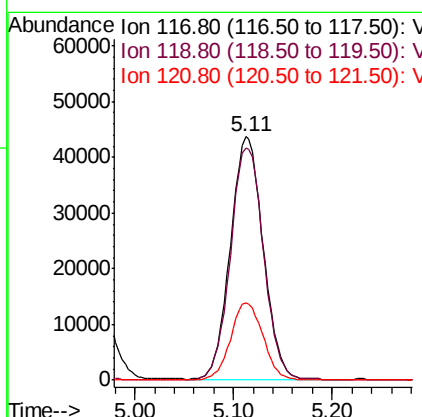
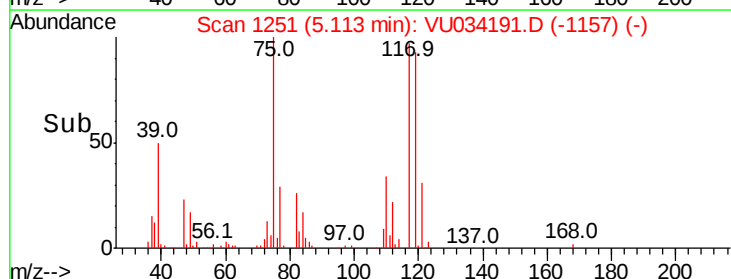
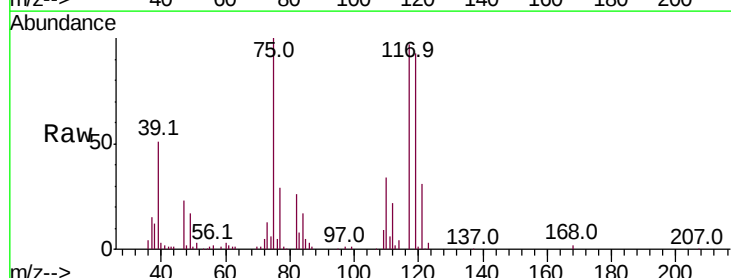
Manual Integrations
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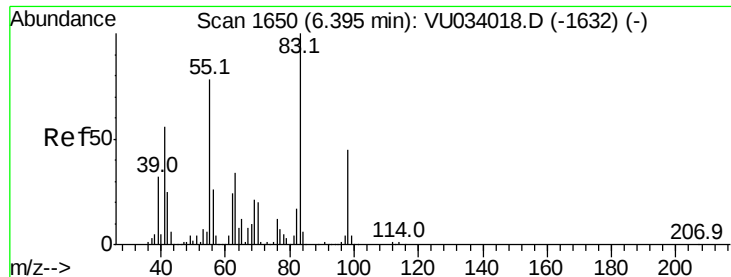
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.141 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.4
121	31.7	23.9	35.9





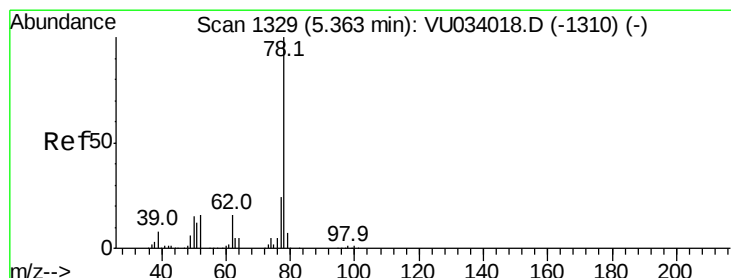
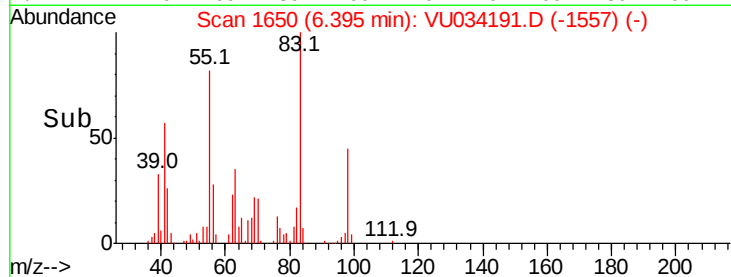
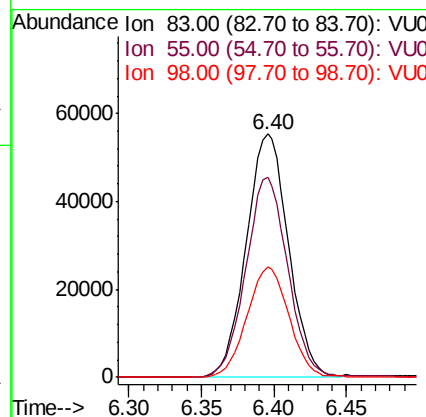
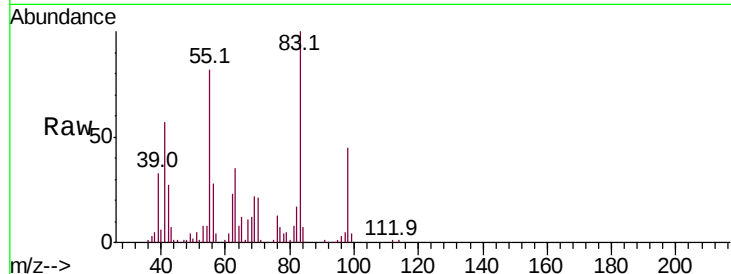
#39
Methvlcvclohexane
Concen: 17.448 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	112261		
55	82.2	62.3	93.5	
98	45.3	36.2	54.2	

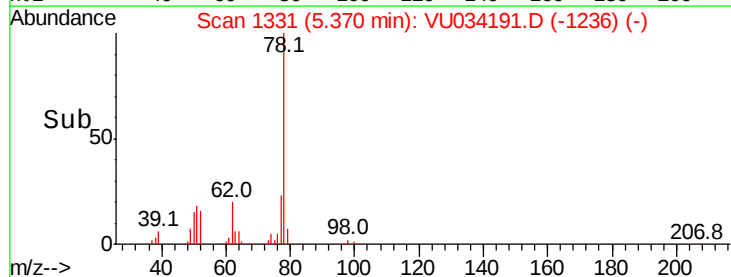
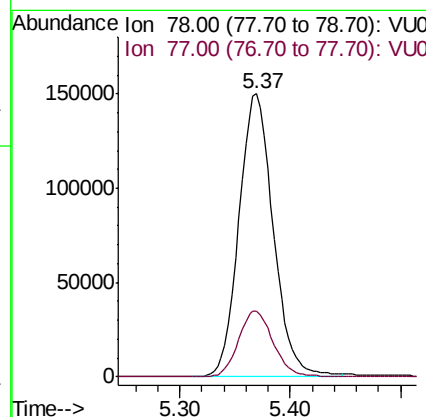
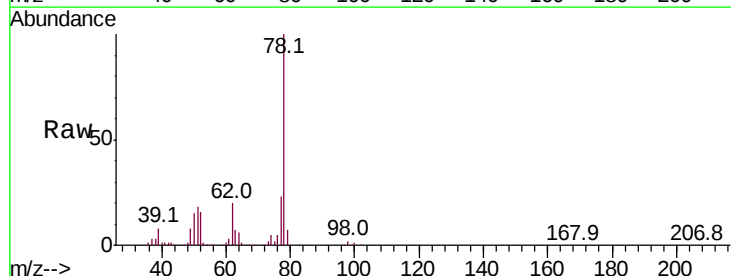
Manual Integrations
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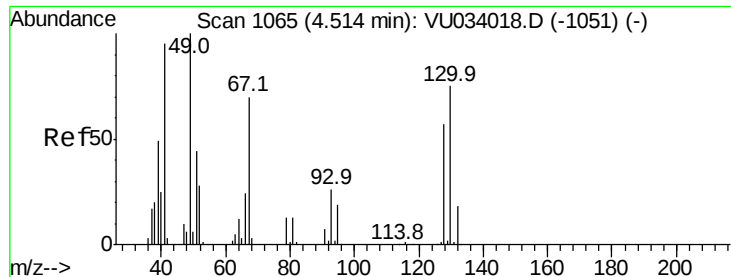
MMDadoda
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#40
Benzene
Concen: 19.603 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	323762		
77	23.3	19.0	28.6	





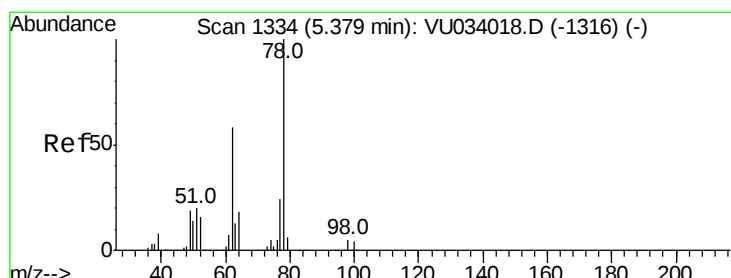
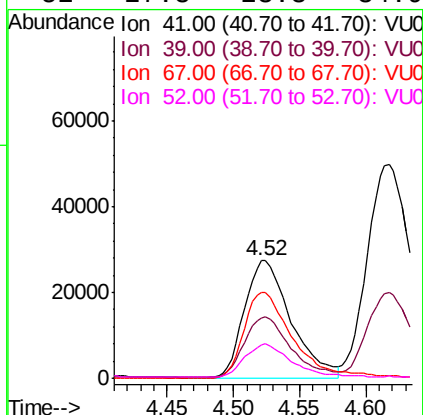
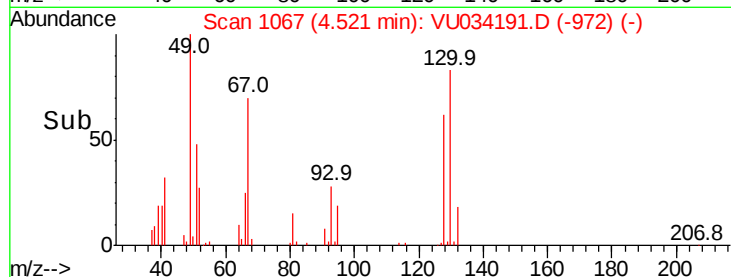
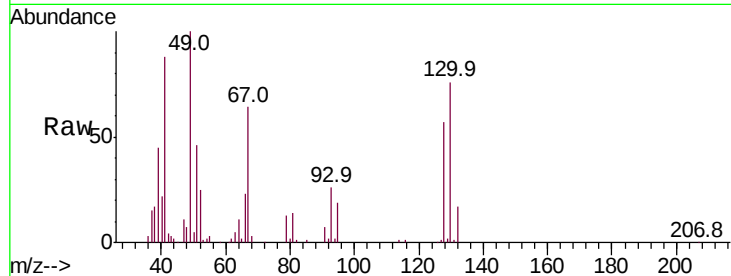
#41
Methacrylonitrile
Concen: 21.480 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion:	41	Resp:	67340
Ion	Ratio	Lower	Upper
41	100		
39	51.3	42.1	63.1
67	75.9	61.0	91.4
52	27.8	23.3	34.9

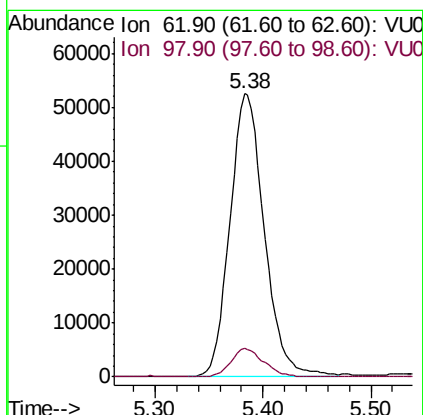
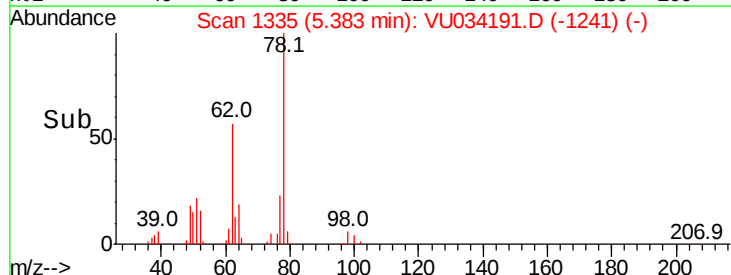
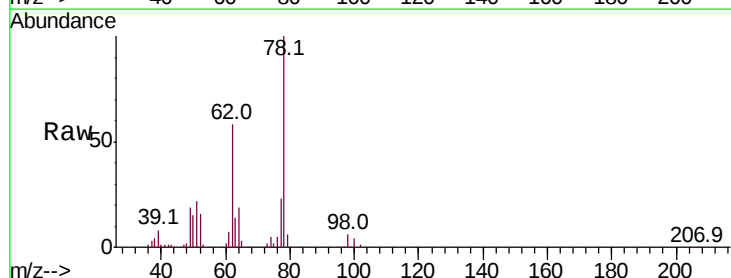
Manual Integrations
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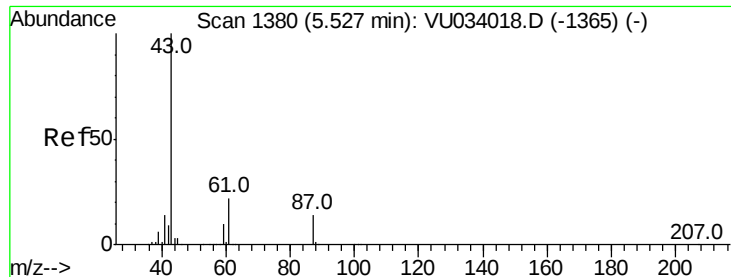
MMDadoda
9/3/2019 1:09:33 PM



#42
1,2-Dichloroethane
Concen: 20.519 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion:	62	Resp:	117025
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2





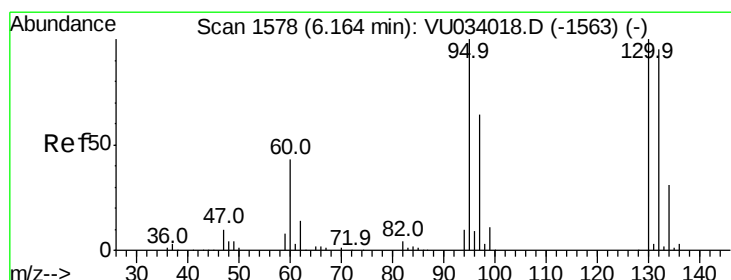
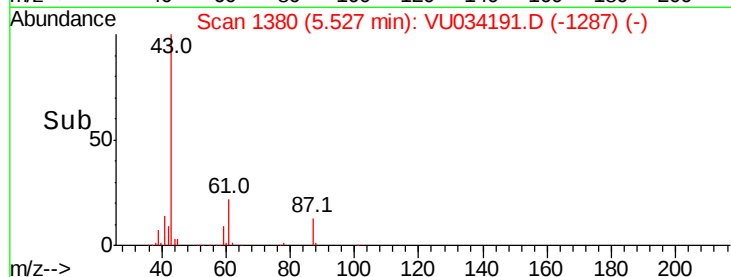
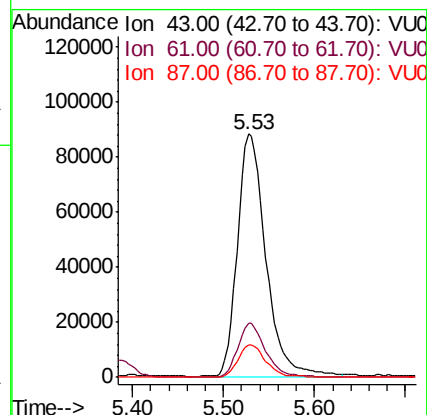
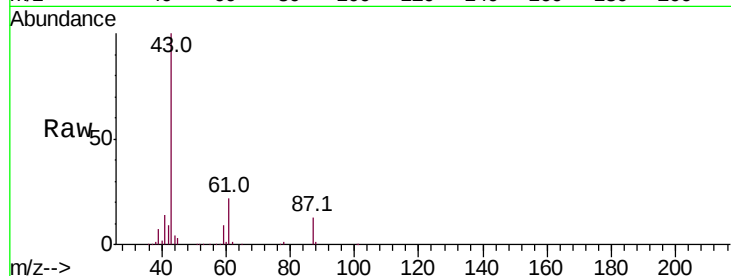
#43
Isopropyl Acetate
Concen: 20.598 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.2	25.8
87	13.0	10.8	16.2

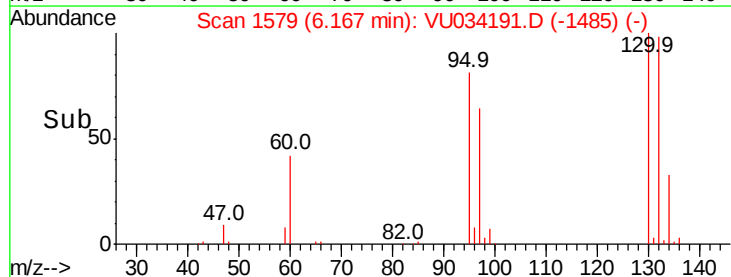
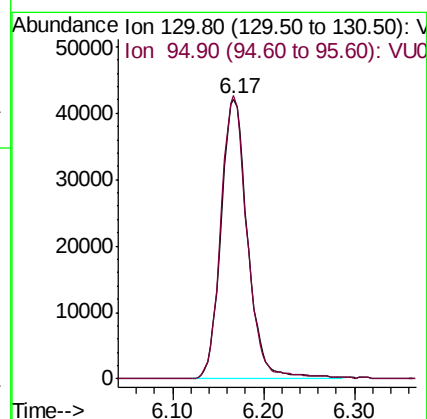
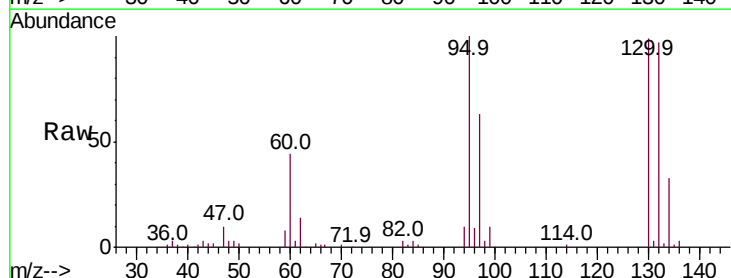
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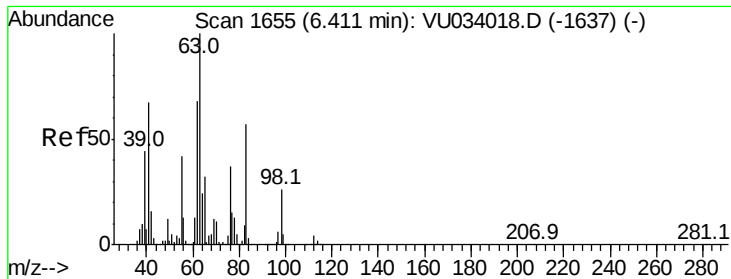
MMDadoda
9/3/2019 1:09:33 PM



#44
Trichloroethene
Concen: 19.836 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	199.6





#45

1,2-Dichloropropane

Concen: 20.483 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 63 Resp: 93124

Ion Ratio Lower Upper

63 100

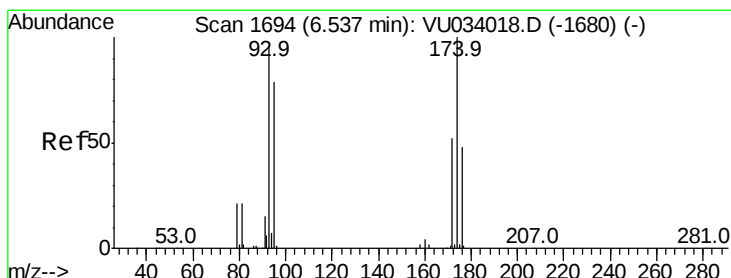
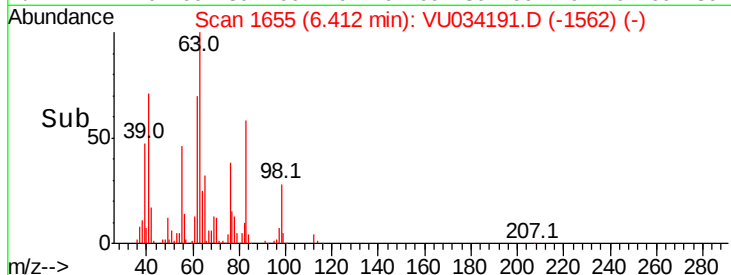
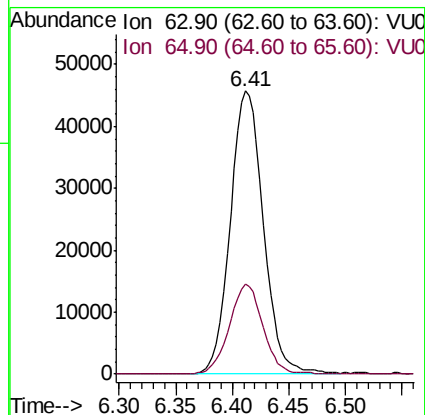
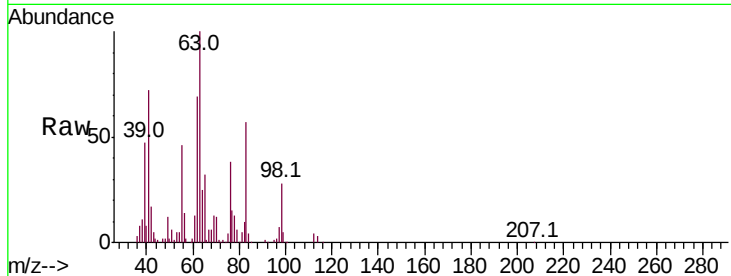
65 31.6 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 20.951 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

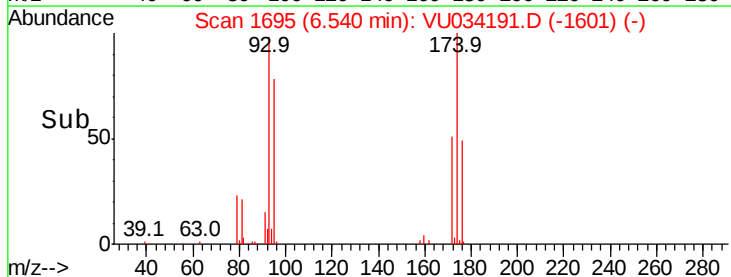
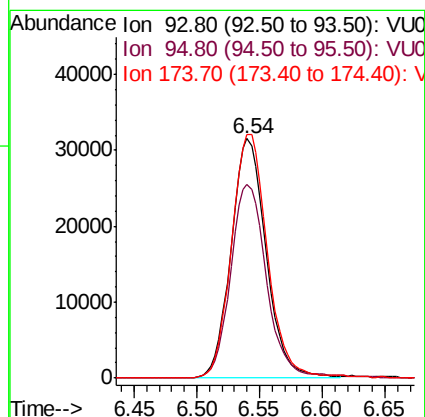
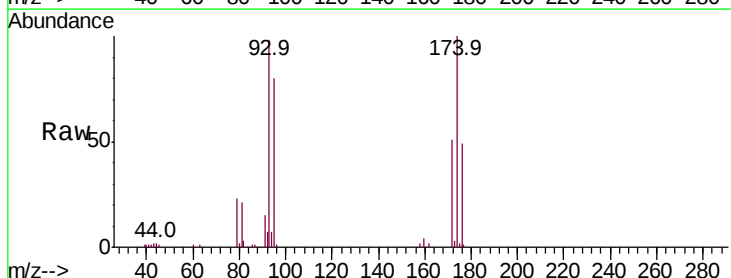
Tgt Ion: 93 Resp: 61367

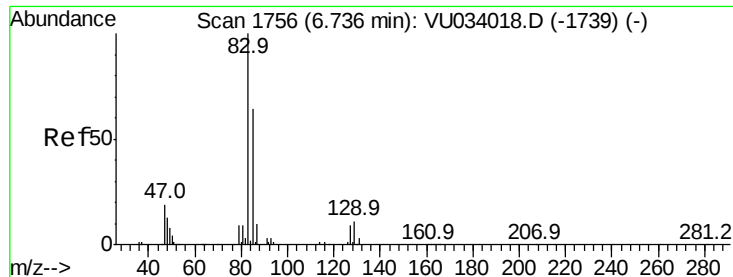
Ion Ratio Lower Upper

93 100

95 83.1 66.7 100.1

174 103.3 84.9 127.3





#47

Bromodichloromethane

Concen: 20.262 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

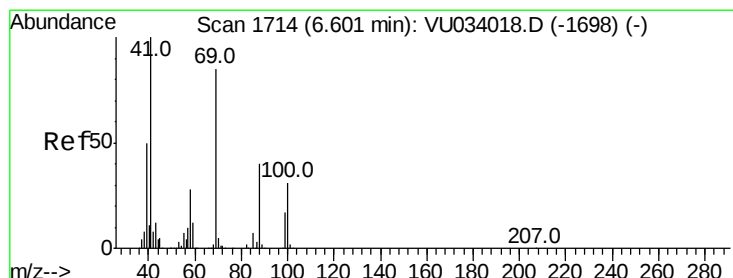
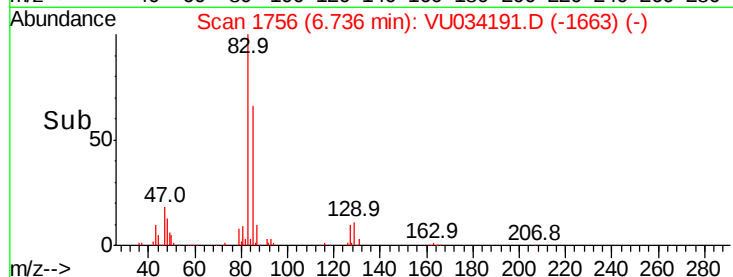
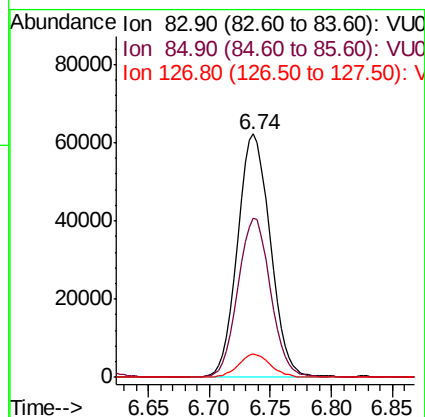
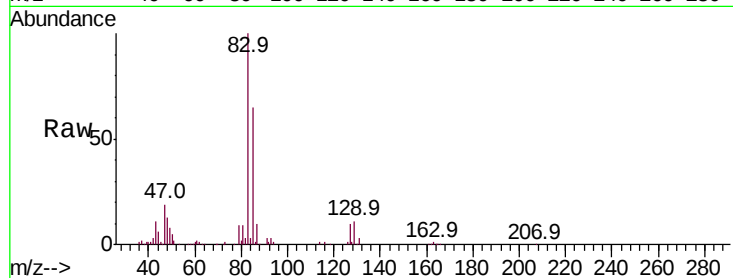
ClientSampleId :

VU0903WBSD01

Tot Ion	83	Resp	116117
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.2	76.8
127	9.6	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.691 ug/l

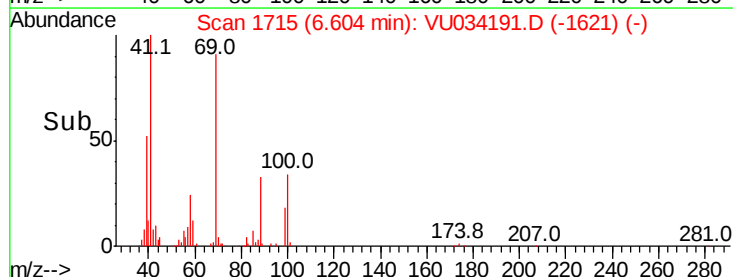
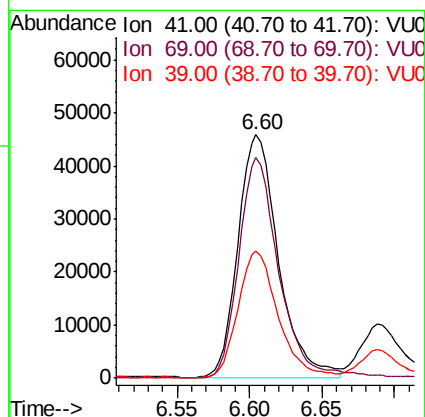
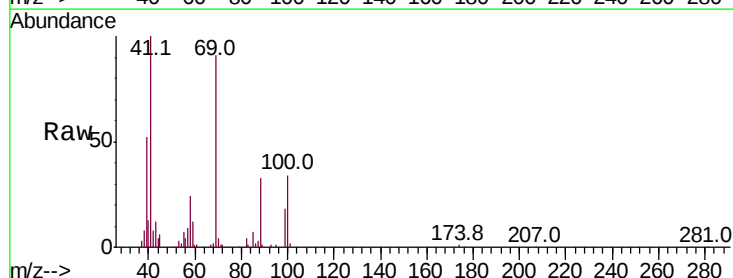
RT: 6.60 min Scan# 1715

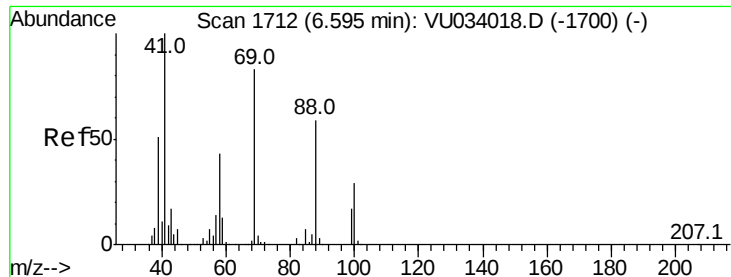
Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion	41	Resp	88365
Ion Ratio	Lower	Upper	
41	100		
69	91.0	69.5	104.3
39	51.7	40.3	60.5





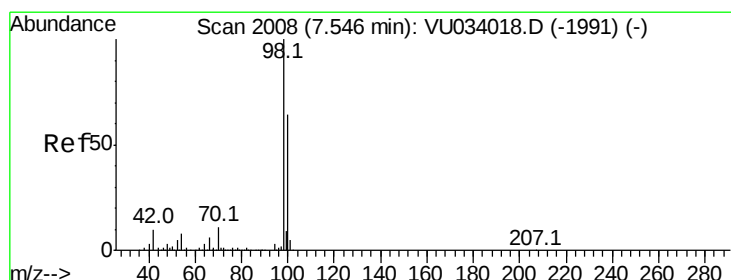
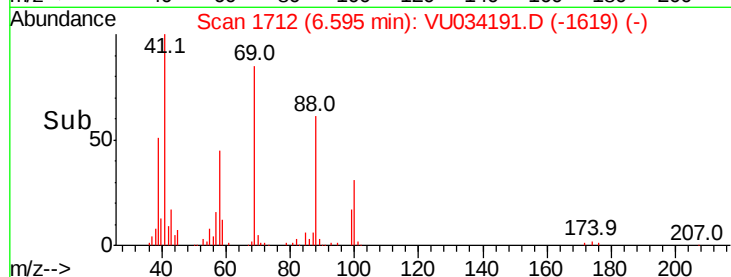
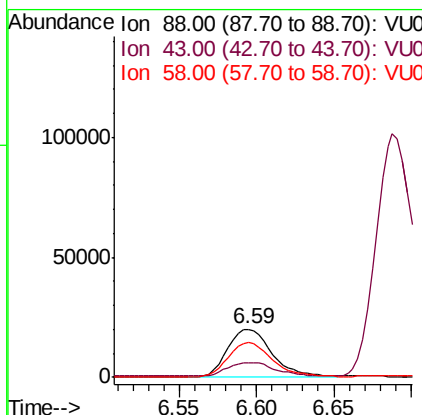
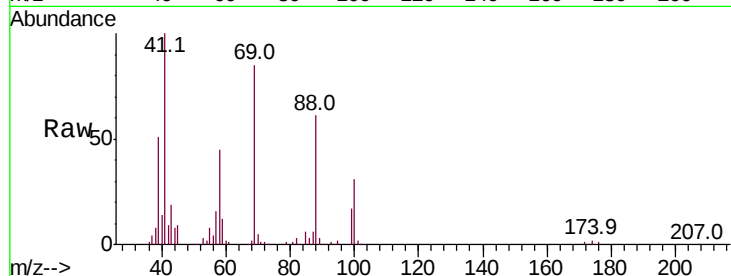
#49
1,4-Dioxane
Concen: 354.481 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.5	24.8	37.2	
58	74.4	59.3	88.9	

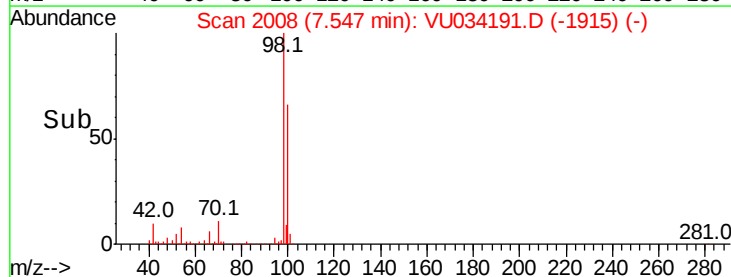
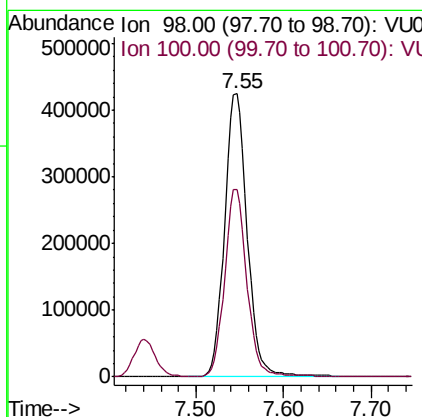
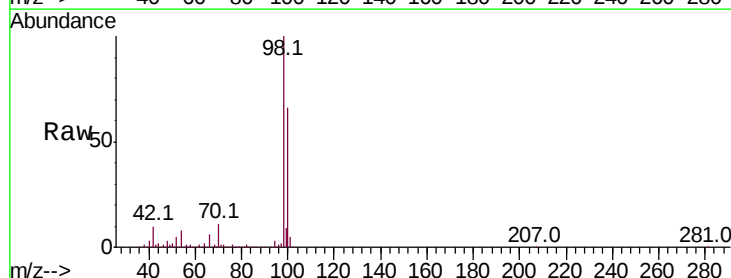
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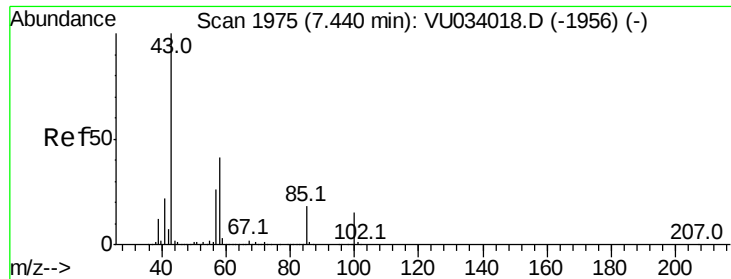
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#50
Toluene-d8
Concen: 50.966 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.3	50.3	75.5	





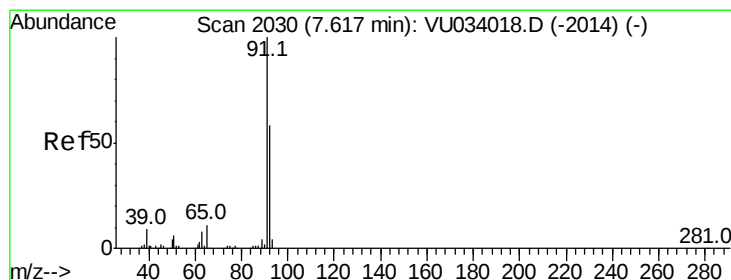
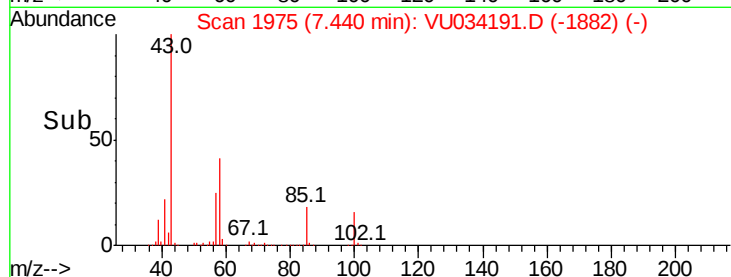
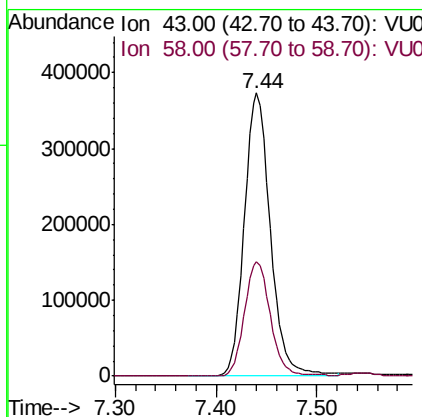
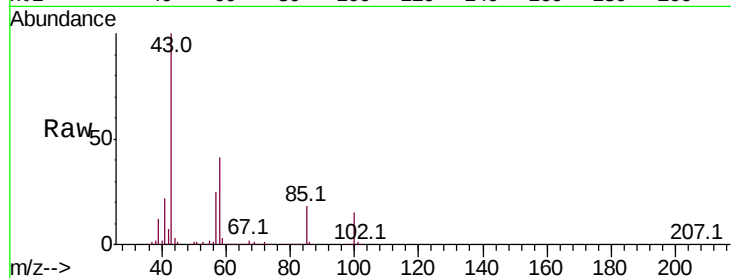
#51
4-Methyl-2-Pentanone
Concen: 103.085 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	43	58	Ratio	100	40.5	Resp	662066	Lower	32.2	Upper	48.4
Ion	43	58	Ratio	100	40.5	Resp	662066	Lower	32.2	Upper	48.4

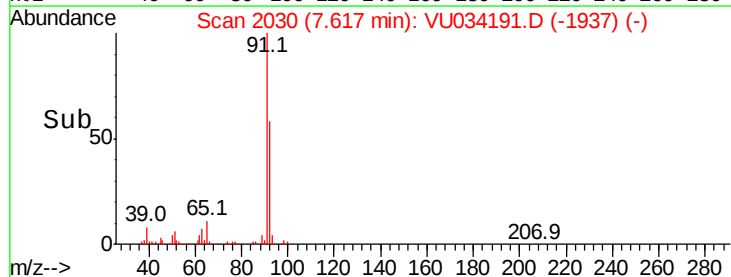
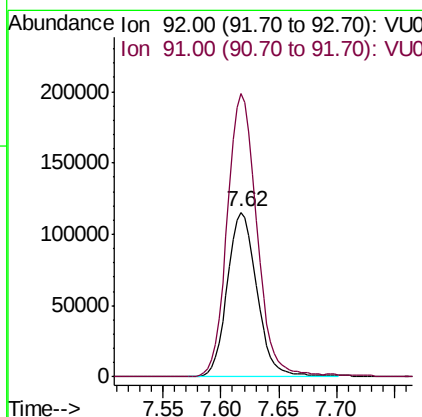
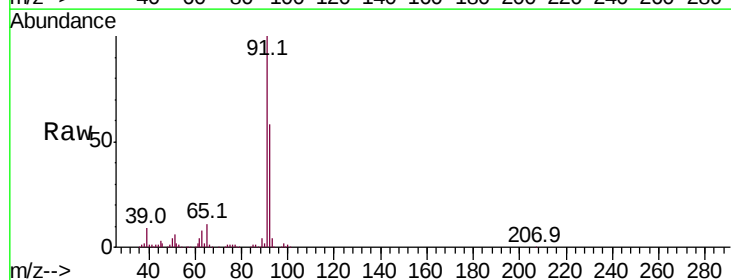
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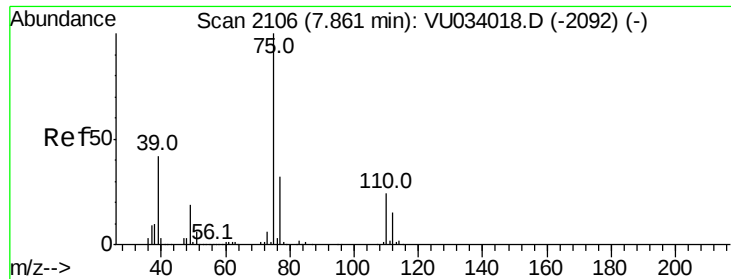
MMDadoda
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#52
Toluene
Concen: 20.164 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	92	91	Ratio	100	171.4	Resp	205149	Lower	138.3	Upper	207.5
Ion	92	91	Ratio	100	171.4	Resp	205149	Lower	138.3	Upper	207.5





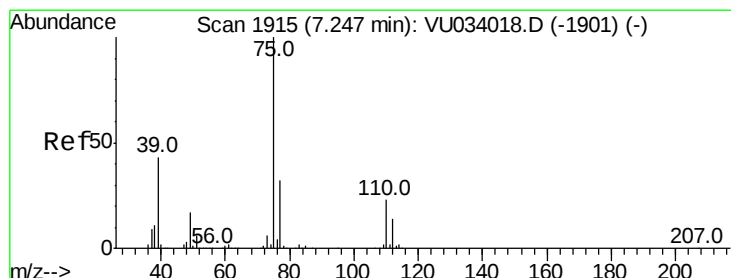
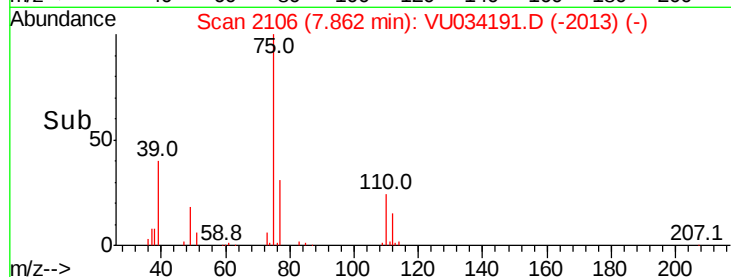
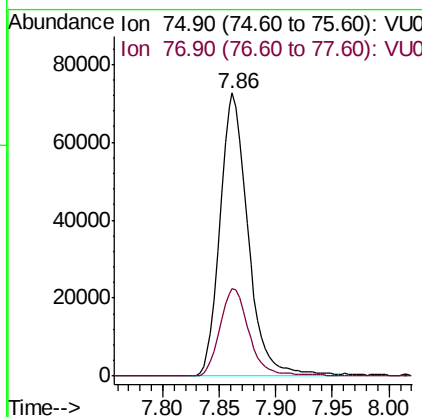
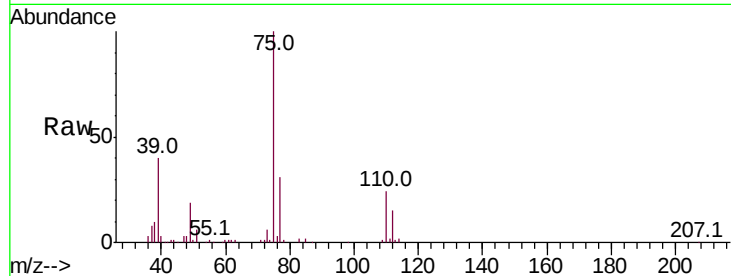
#53
t-1,3-Dichloropropene
Concen: 19.783 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

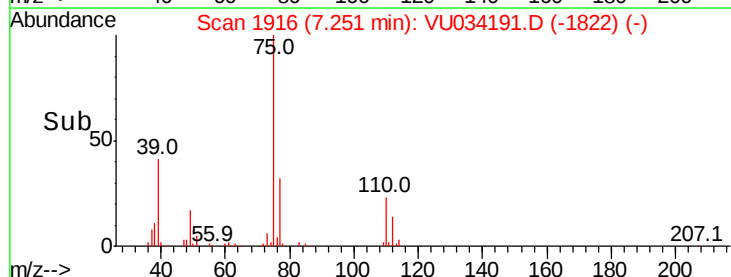
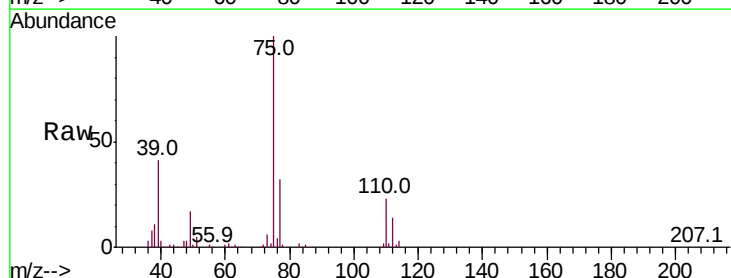
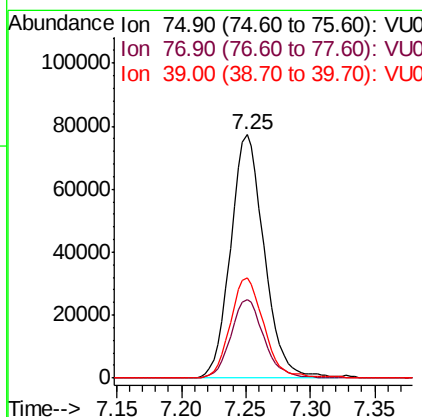
Manual Integrations
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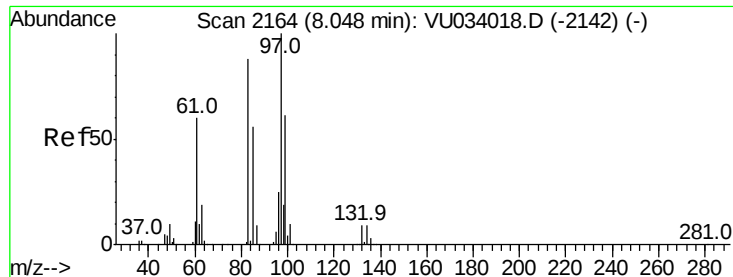
MMDadoda
9/3/2019 1:09:33 PM



#54
cis-1,3-Dichloropropene
Concen: 20.170 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.2	37.8
39	40.9	34.6	51.8





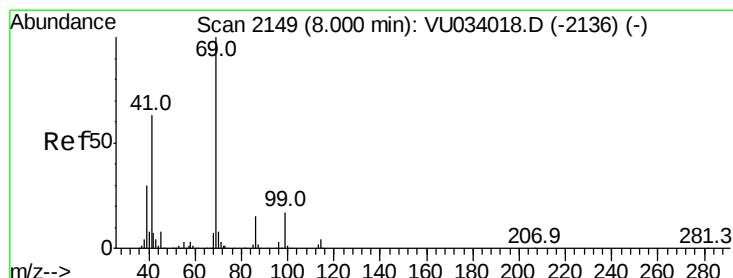
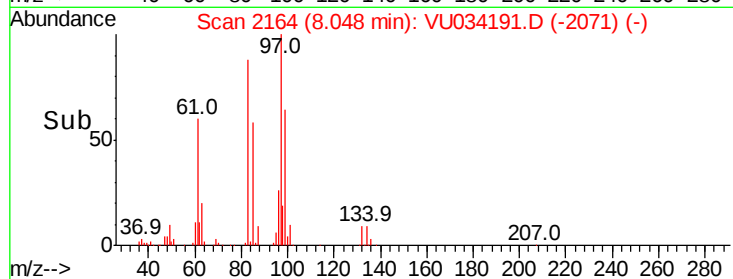
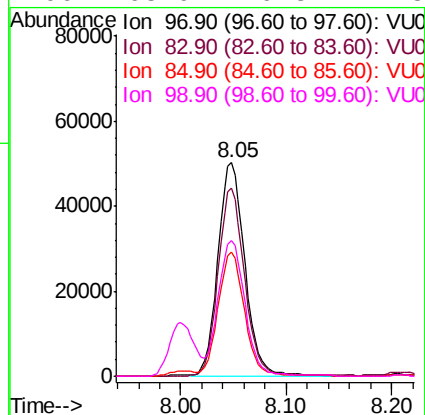
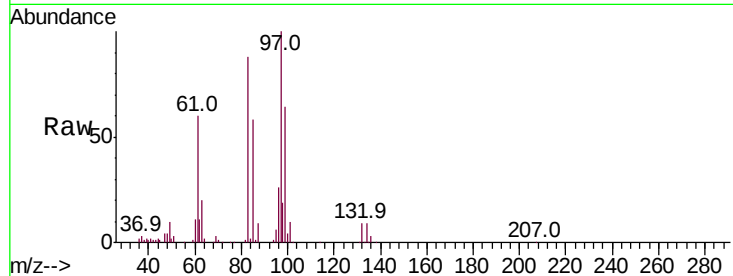
#55
1,1,2-Trichloroethane
Concen: 20.471 ug/l
RT: 8.05 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	88097		
83	88.0		70.1	105.1
85	58.2		45.0	67.4
99	63.9		49.8	74.8

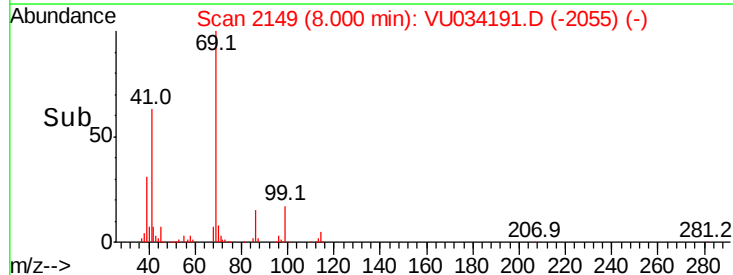
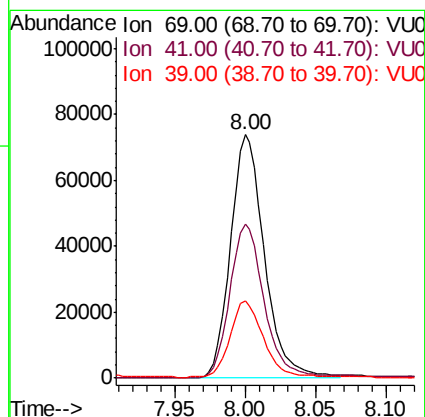
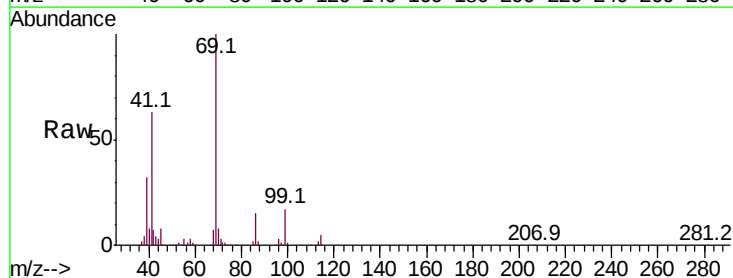
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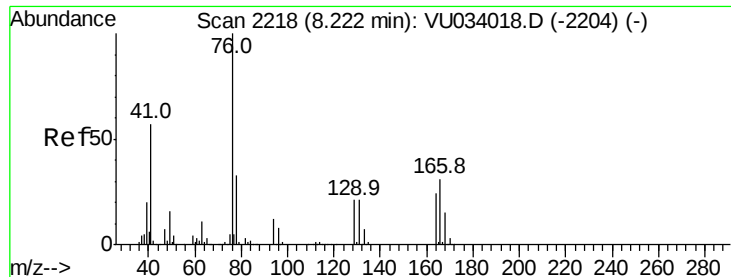
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9/3/2019 1:09:33 PM



#56
Ethyl methacrylate
Concen: 18.064 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	124433		
41	64.4		50.7	76.1
39	31.5		24.2	36.2





#57

1,3-Dichloropropane

Concen: 20.316 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 76 Resp: 148452

Ion Ratio Lower Upper

76 100

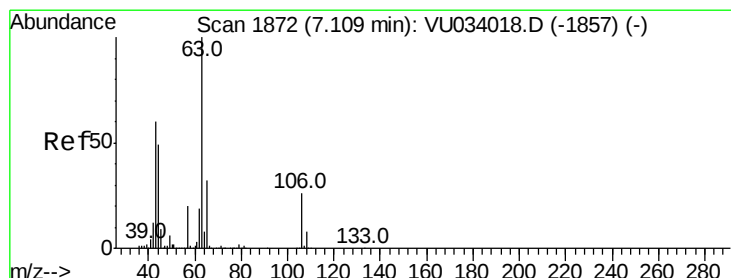
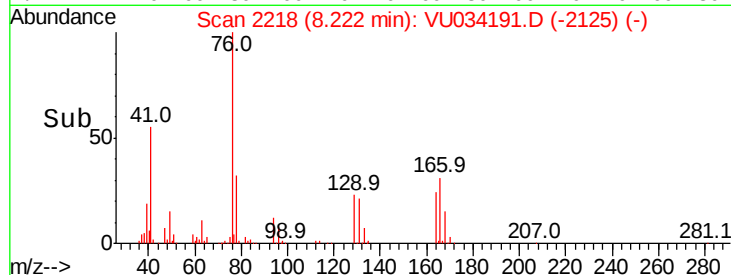
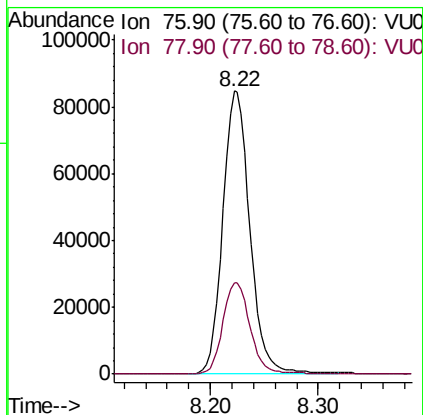
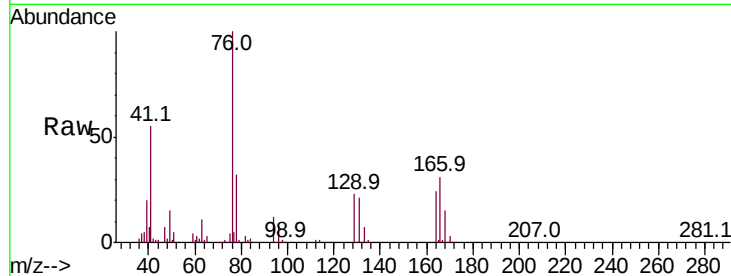
78 32.5 26.2 39.4

Manual Integrations

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9/3/2019 1:09:33 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.275 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034191.D

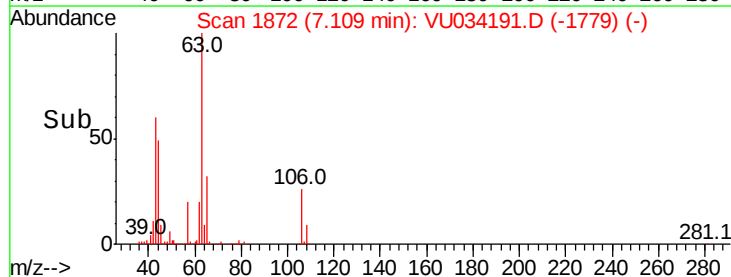
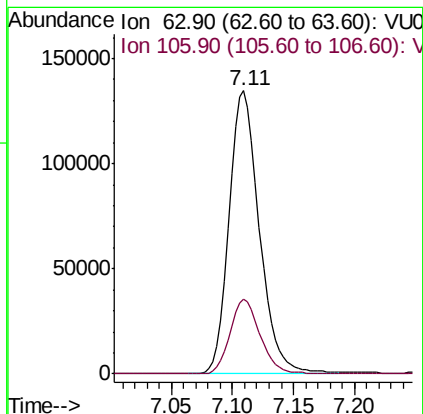
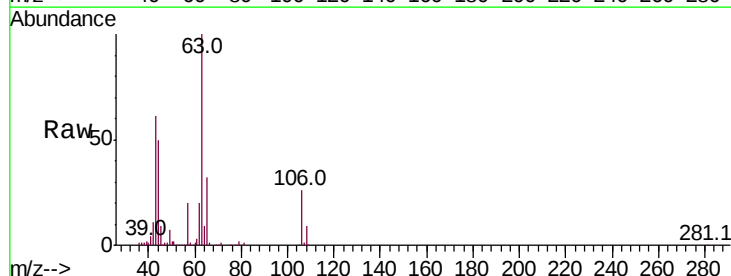
Acq: 02 Sep 2019 10:56

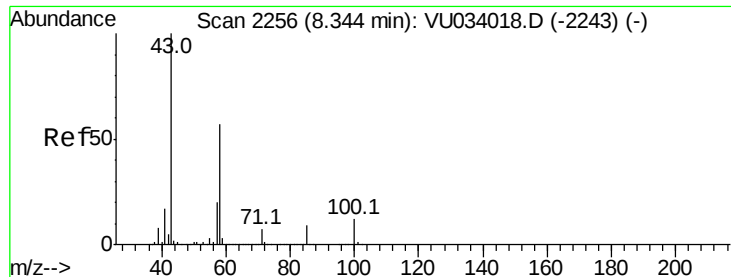
Tgt Ion: 63 Resp: 233977

Ion Ratio Lower Upper

63 100

106 26.1 20.7 31.1





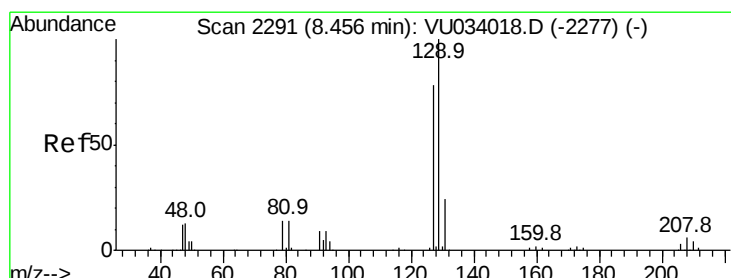
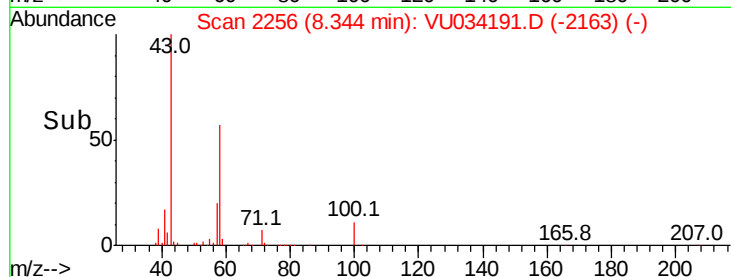
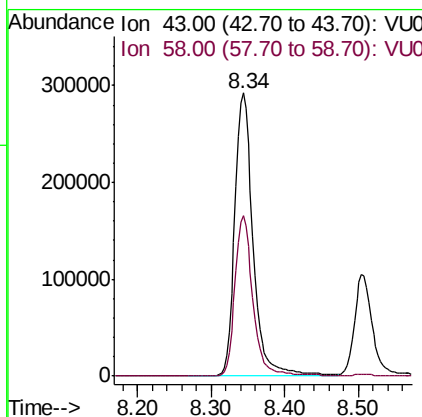
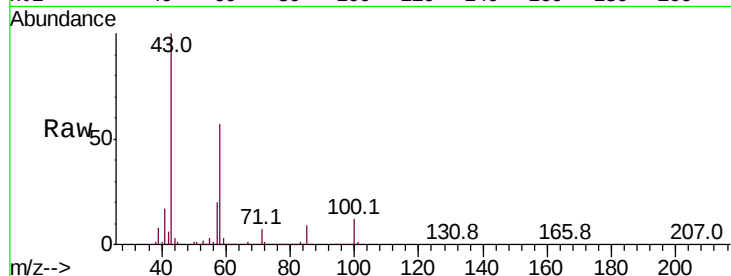
#59
2-Hexanone
Concen: 104.232 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.4	85.3

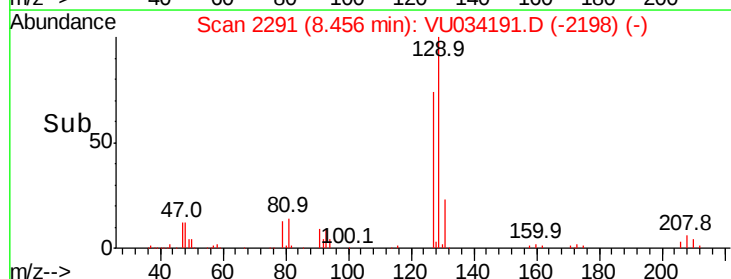
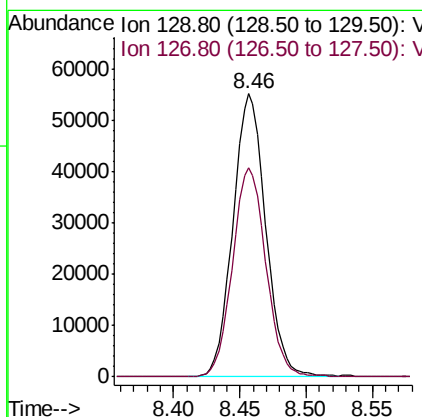
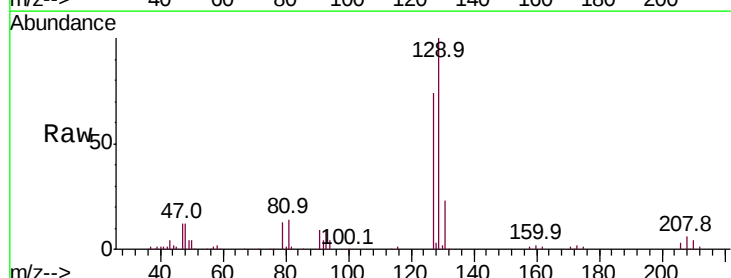
Manual Integrations
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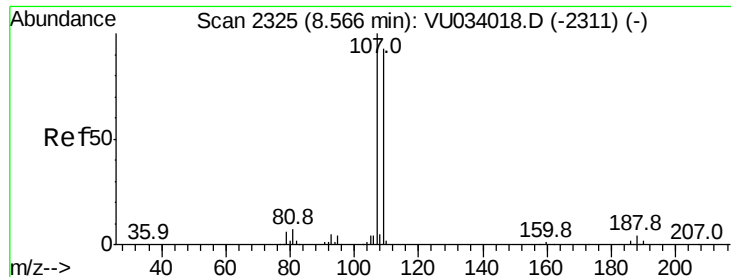
MMDadoda
9/3/2019 1:09:33 PM



#60
Dibromochloromethane
Concen: 20.567 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	39.0	116.9





#61

1,2-Dibromoethane

Concen: 19.967 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion:107 Resp: 90517

Ion Ratio Lower Upper

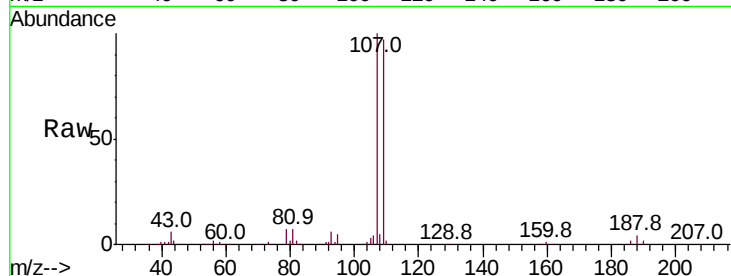
107 100

109 94.5 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

50000

40000

30000

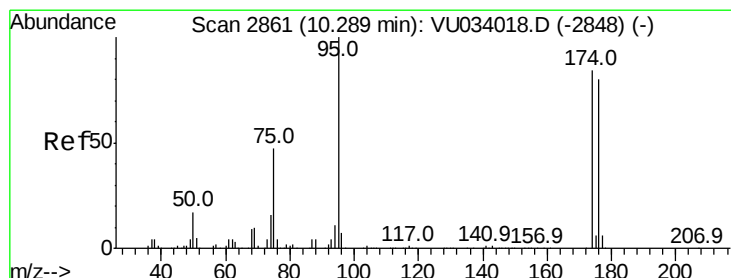
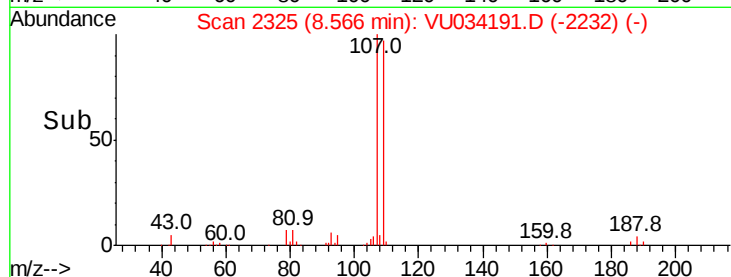
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 49.777 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

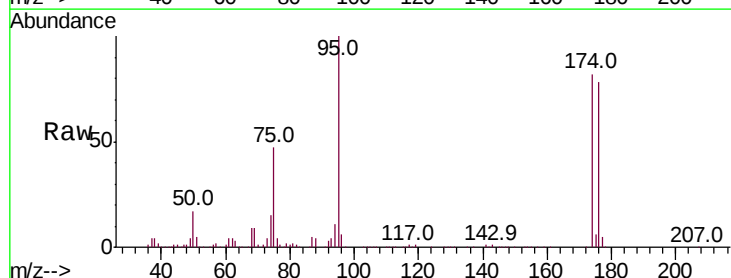
Tgt Ion: 95 Resp: 290212

Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.8

176 80.3 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

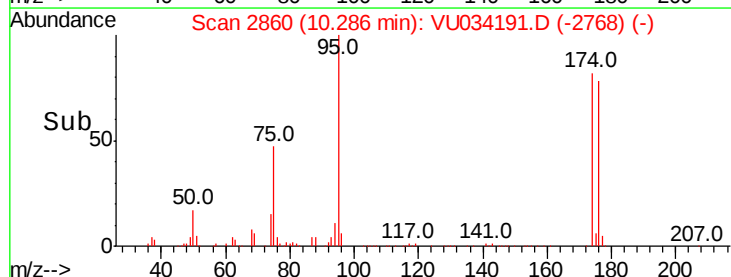
100000

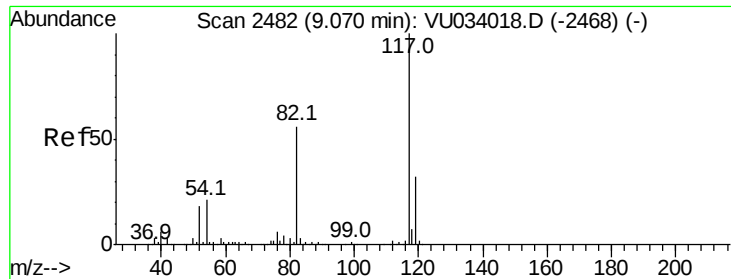
50000

0

10.20 10.30 10.40

Time-->





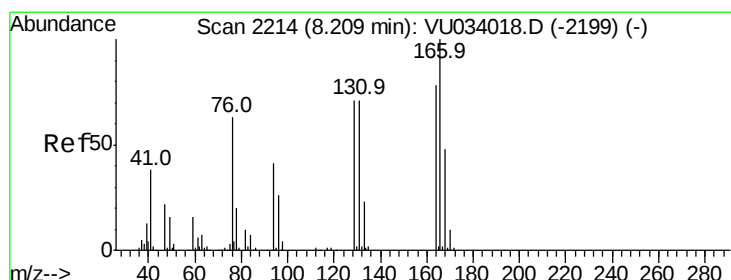
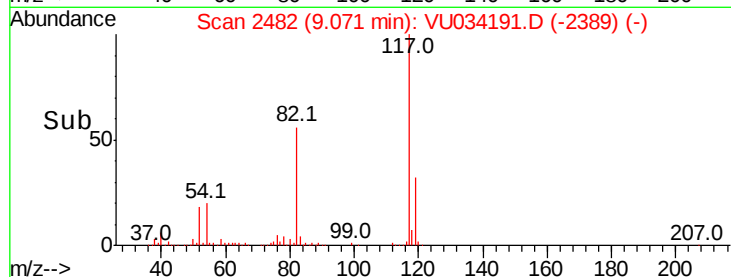
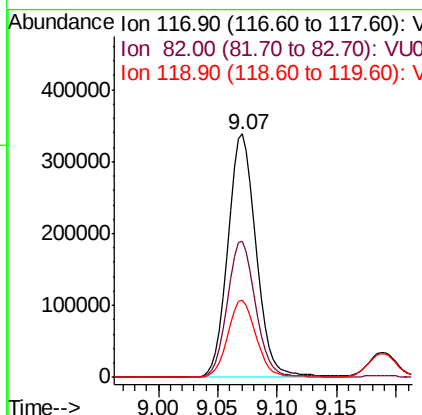
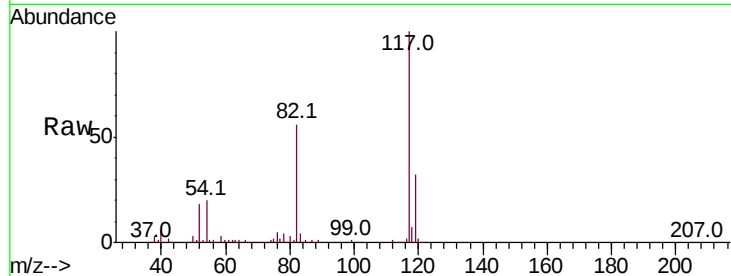
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	56.0	45.1	67.7	
119	31.6	25.4	38.0	

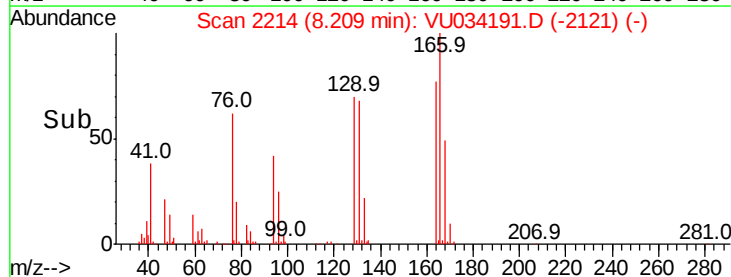
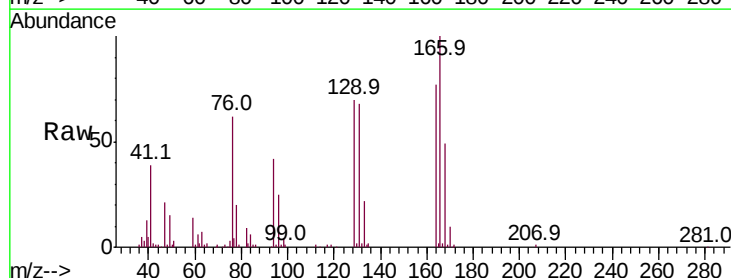
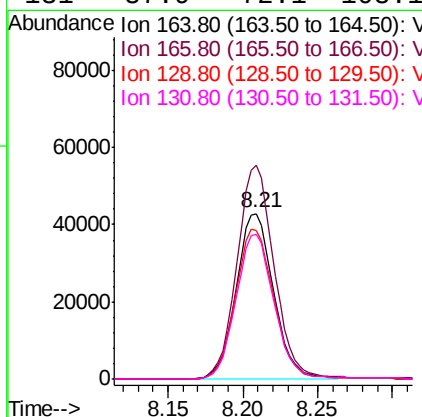
Manual Integrations
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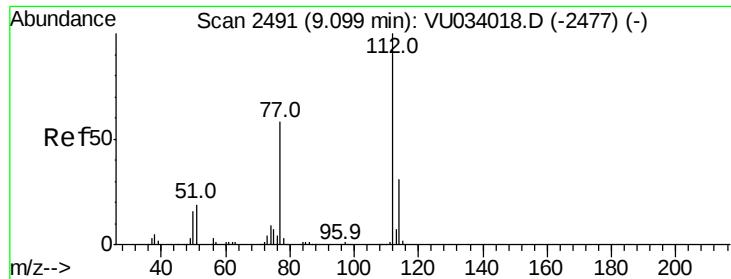
MMDadoda
9/3/2019 1:09:33 PM



#64
Tetrachloroethene
Concen: 19.907 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.4	102.2	153.2	
129	90.0	72.4	108.6	
131	87.9	72.1	108.1	





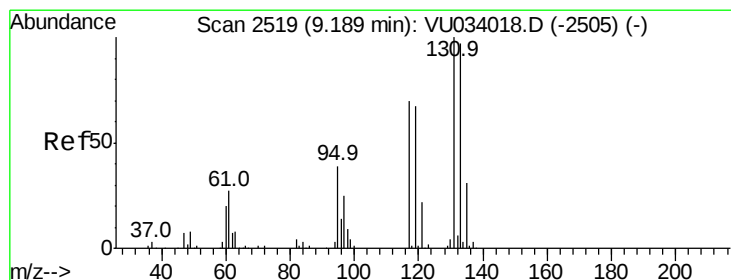
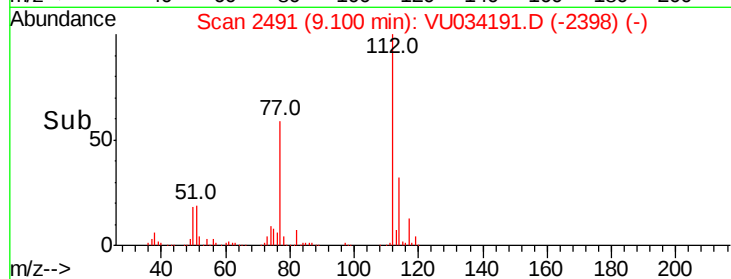
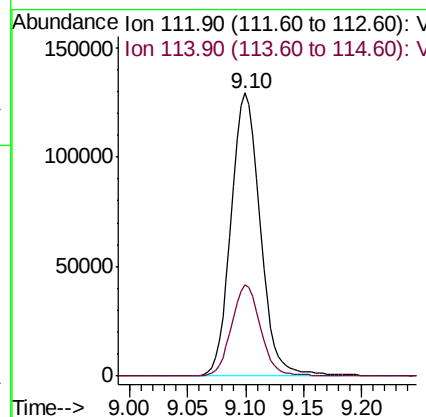
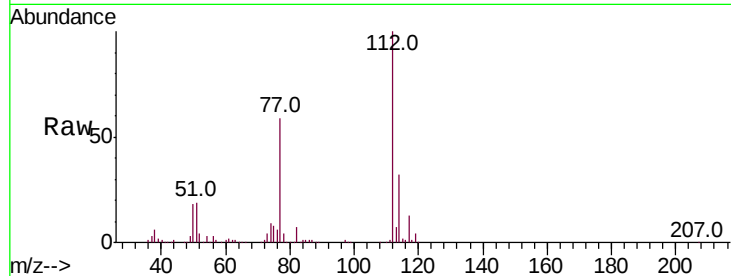
#65
Chlorobenzene
Concen: 19.603 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	225312		
114	32.2	25.0	37.4	

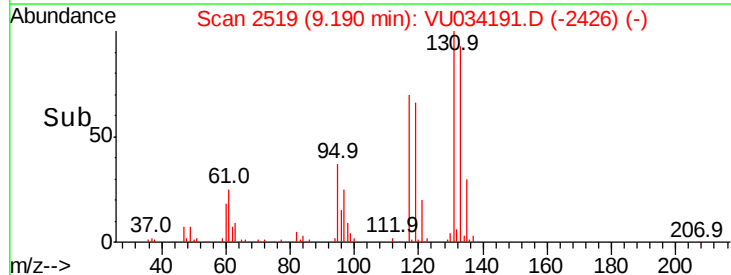
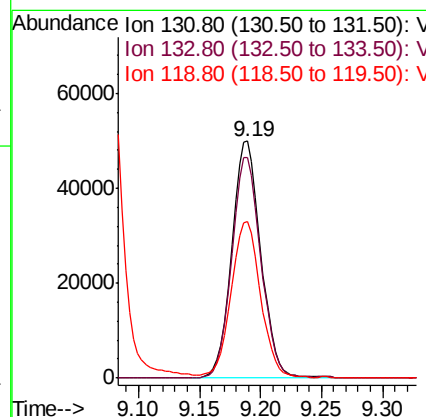
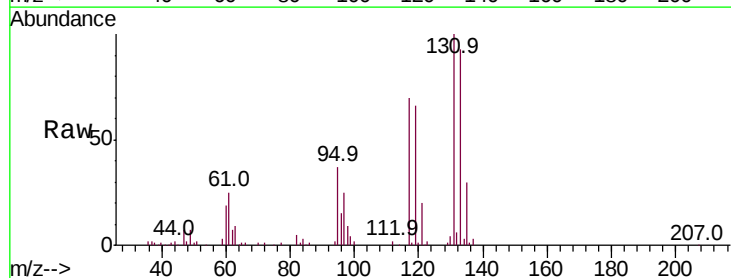
Manual Integrations
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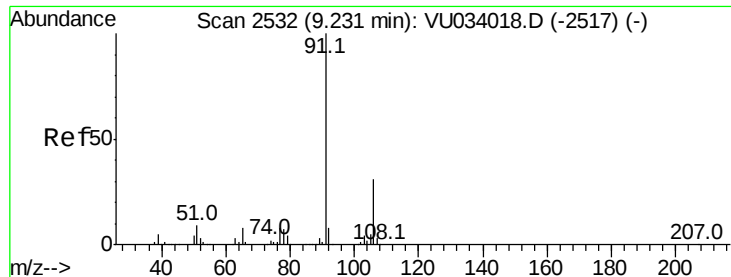
MMDadoda
9/3/2019 1:09:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.933 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	83076		
133	93.6	48.4	145.2	
119	66.8	33.6	100.6	





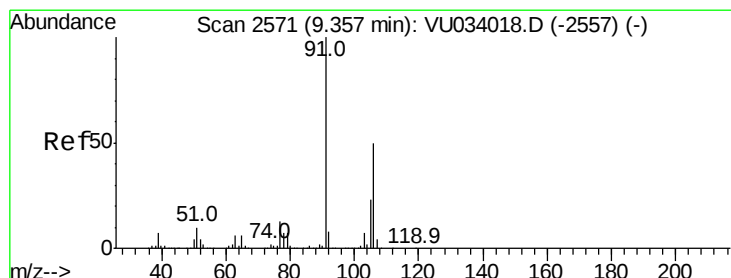
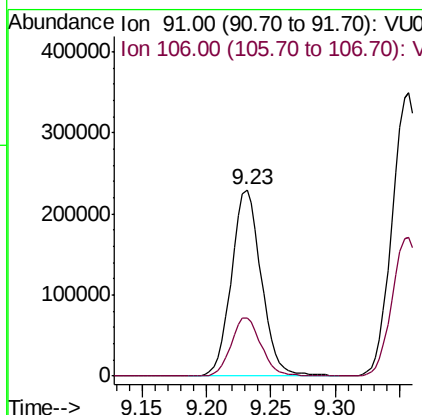
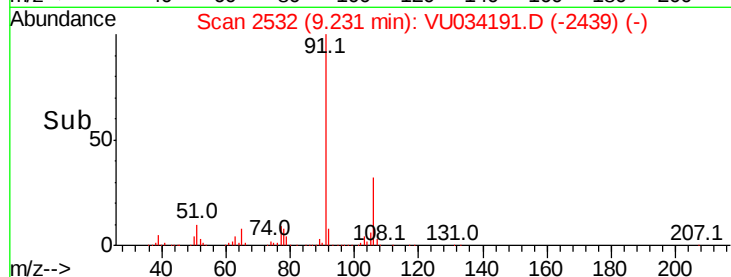
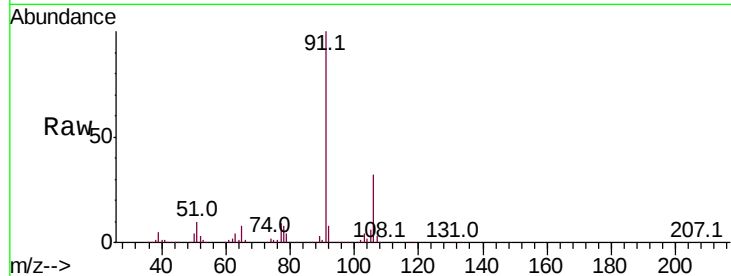
#67
Ethyl Benzene
Concen: 19.056 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion: 91 Resp: 371273
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3

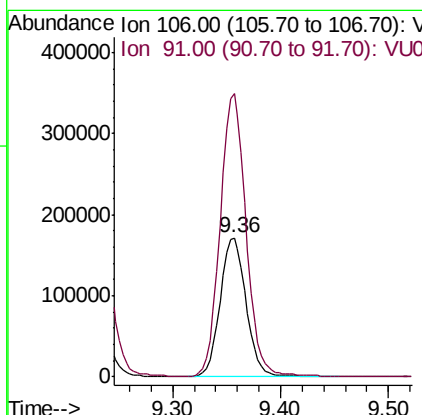
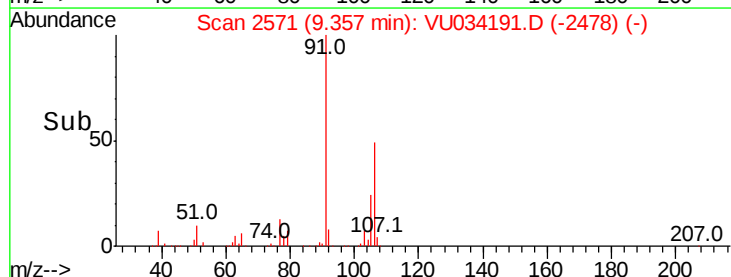
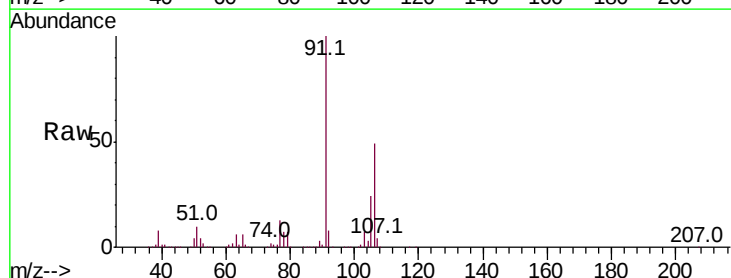
Manual Integrations
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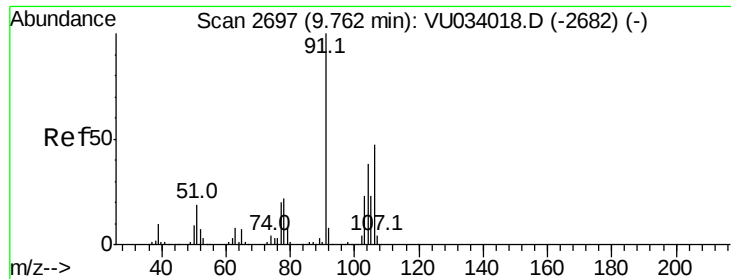
MMDadoda
9/3/2019 1:09:33 PM



#68
m/p-Xylenes
Concen: 38.566 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion: 106 Resp: 285709
Ion Ratio Lower Upper
106 100
91 203.8 161.6 242.4





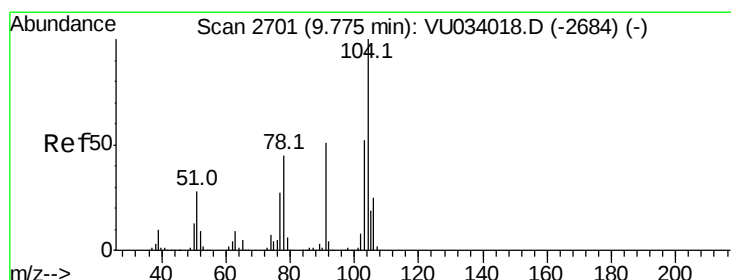
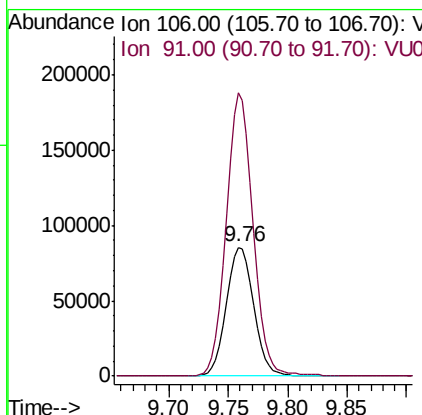
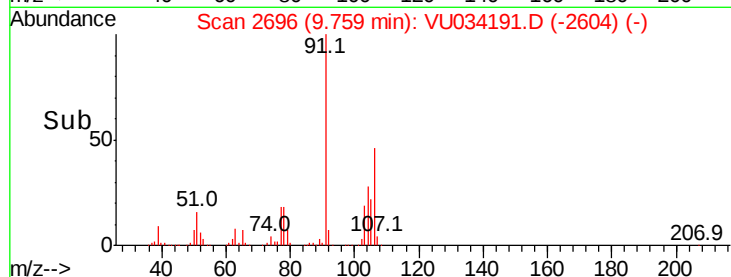
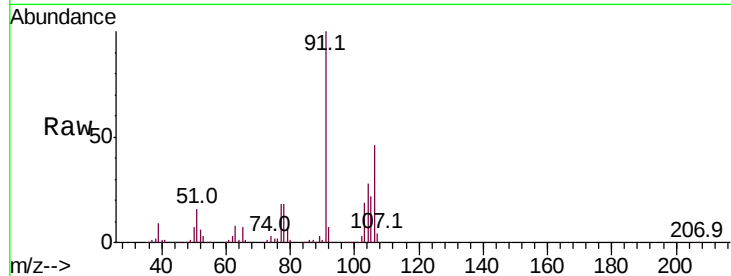
#69
o-Xylene
Concen: 19.283 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.8	106.0	318.0

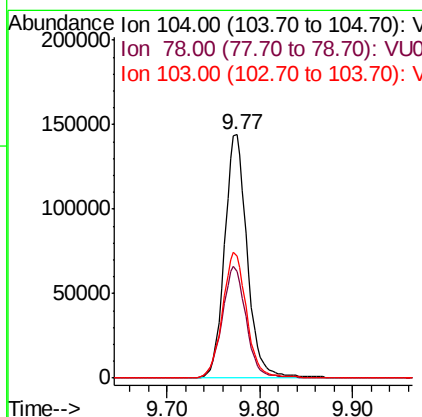
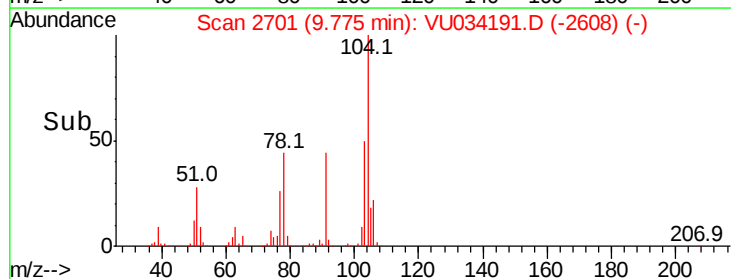
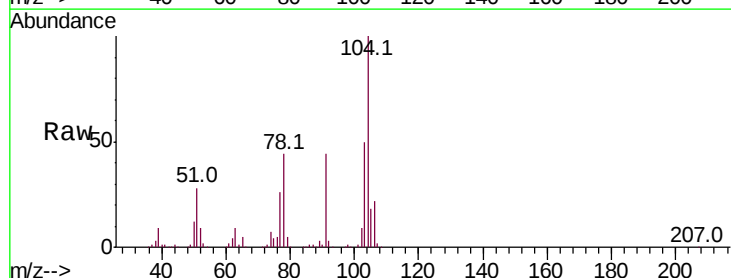
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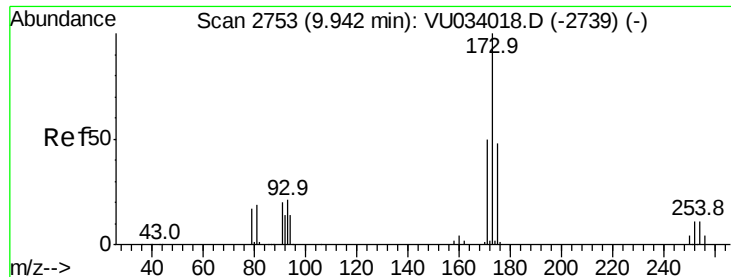
MMDadoda
9/3/2019 1:09:33 PM



#70
Styrene
Concen: 20.087 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.0	58.4
103	55.1	44.0	66.0





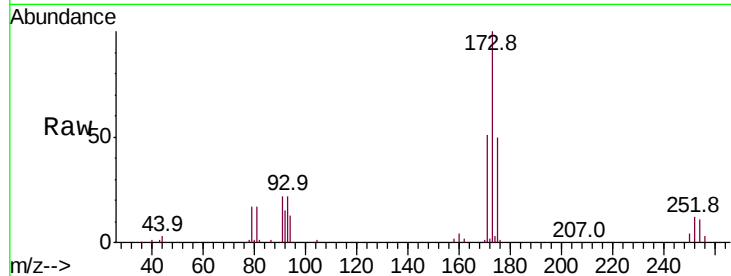
#71
Bromoform
Concen: 19.524 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

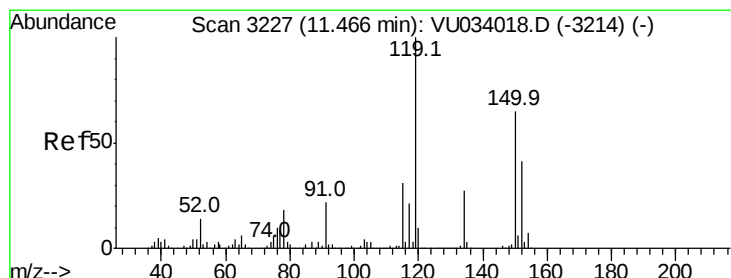
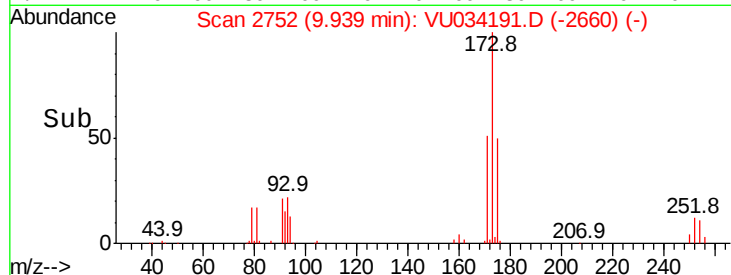
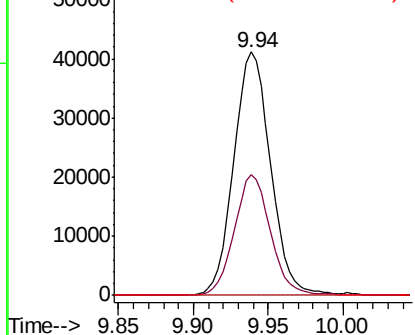
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.0	0.0	0.0

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9/3/2019 1:09:33 PM

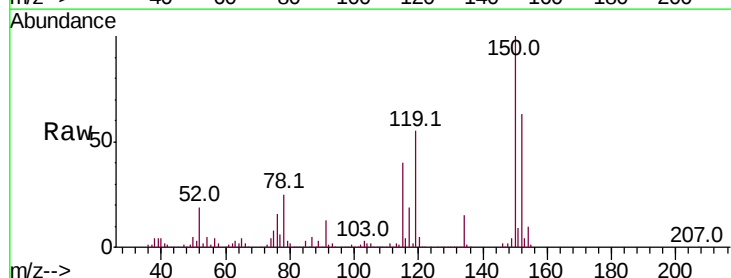


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

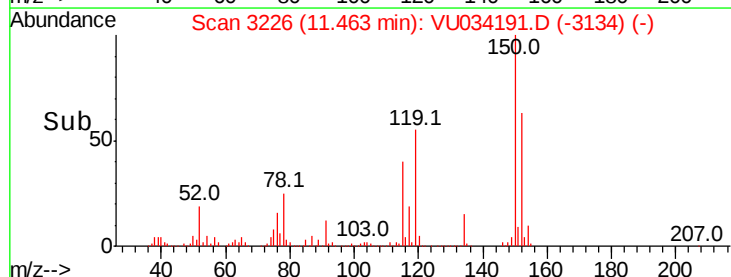
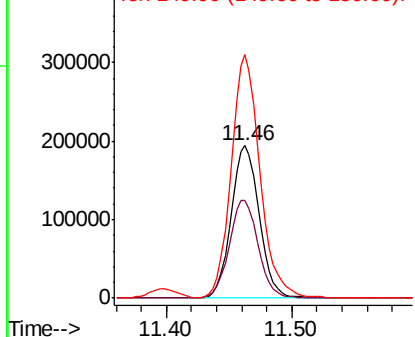


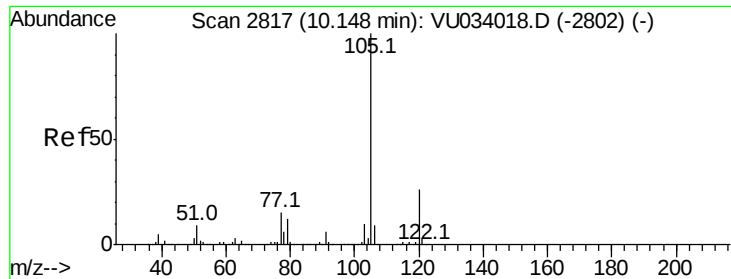
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.3	41.1	123.3
150	163.0	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: 18.195 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion:105 Resp: 369924

Ion Ratio Lower Upper

105 100

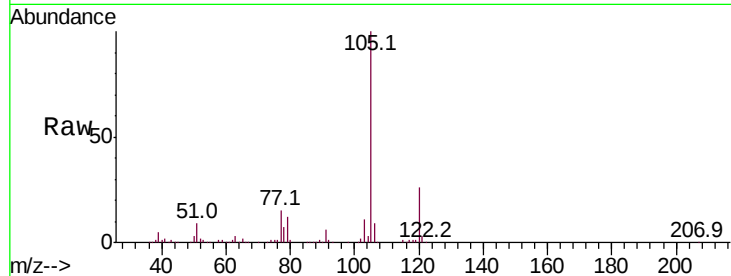
120 26.7 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

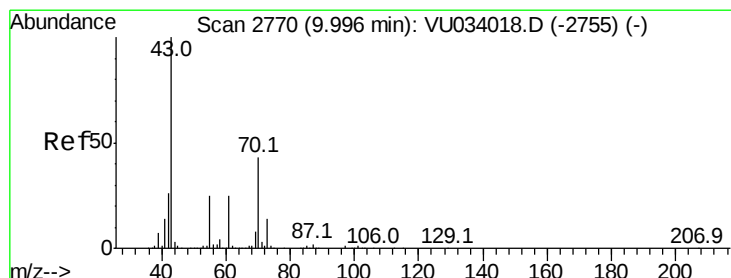
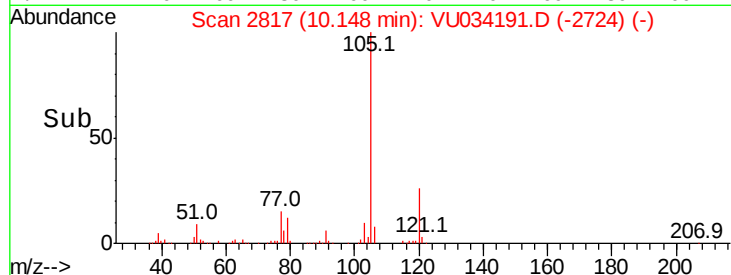
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 18.962 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion: 43 Resp: 162146

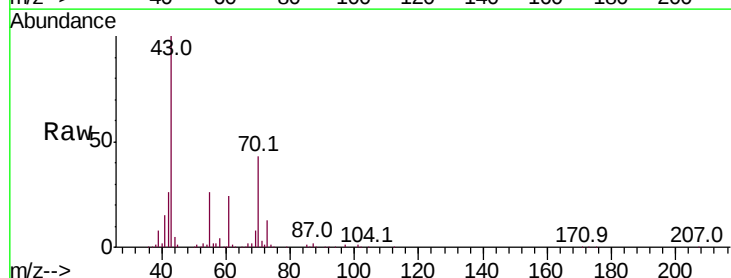
Ion Ratio Lower Upper

43 100

70 43.6 35.2 52.8

55 26.1 20.5 30.7

61 24.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

150000

100000

50000

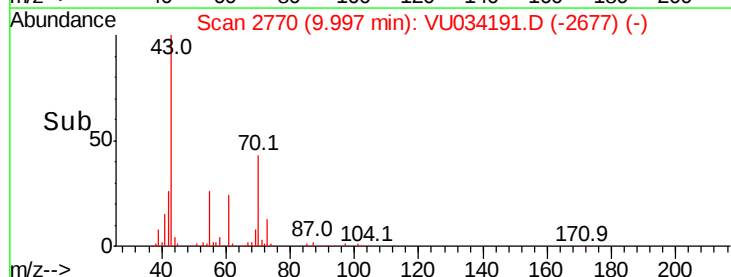
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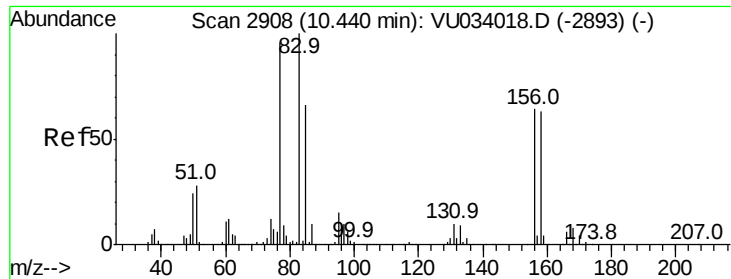
9.90

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 83 Resp: 151703

Ion Ratio Lower Upper

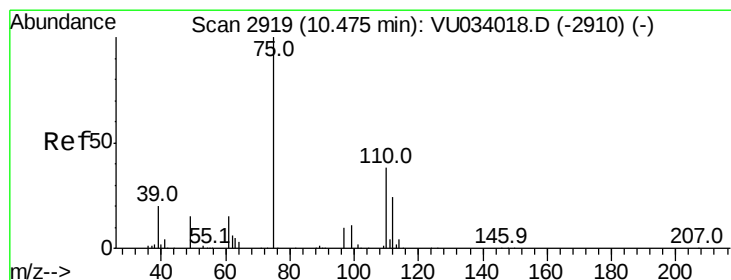
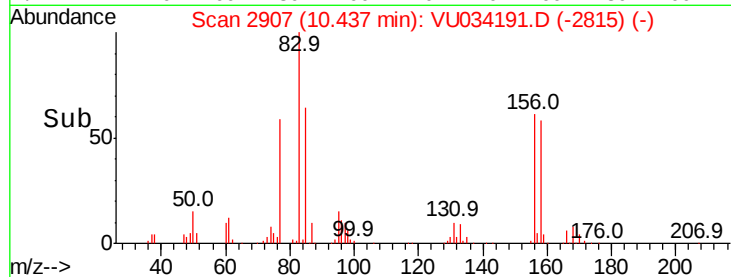
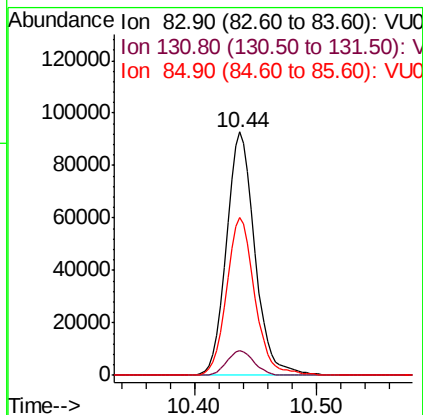
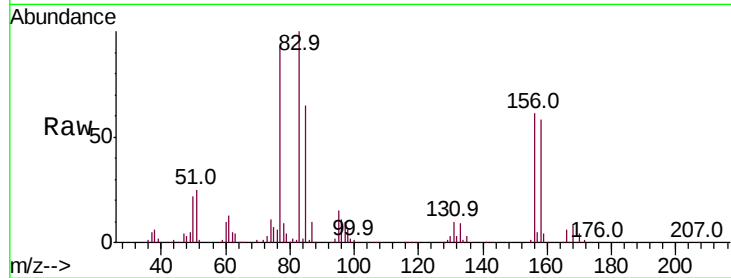
83 100

131 9.8 5.0 14.9

85 64.4 32.2 96.6

Manual Integrations
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9/3/2019 1:09:33 PM



#76

1,2,3-Trichloropropane

Concen: 19.677 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034191.D

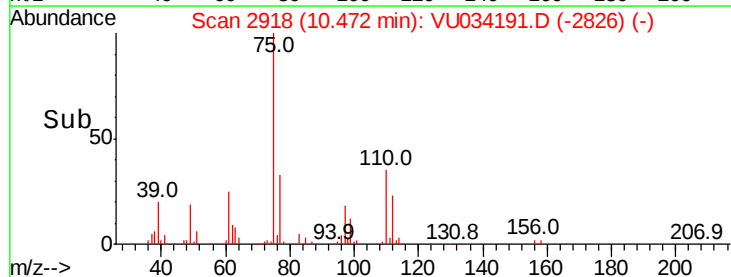
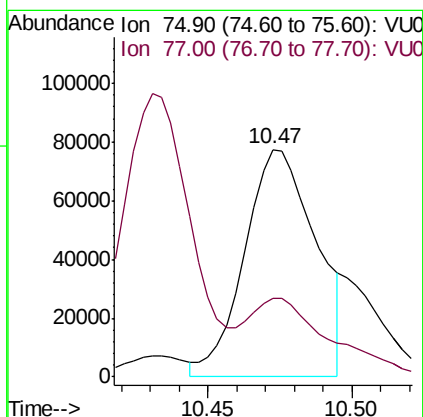
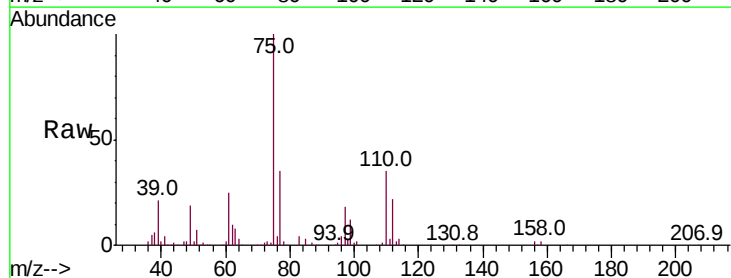
Acq: 02 Sep 2019 10:56

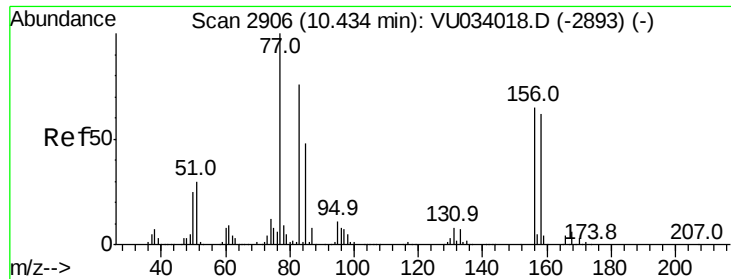
Tgt Ion: 75 Resp: 134235

Ion Ratio Lower Upper

75 100

77 39.6 20.1 60.2





#77

Bromobenzene

Concen: 18.743 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

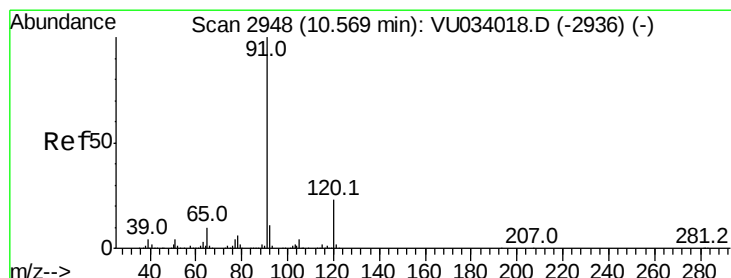
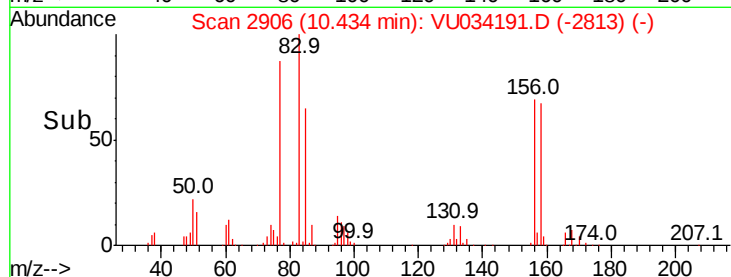
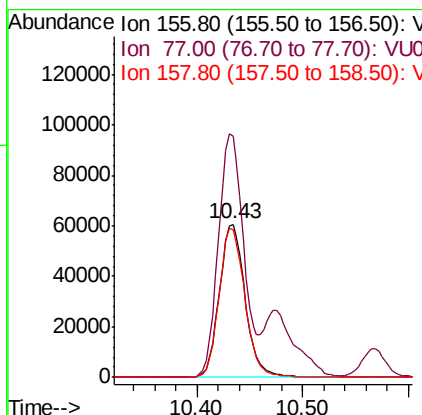
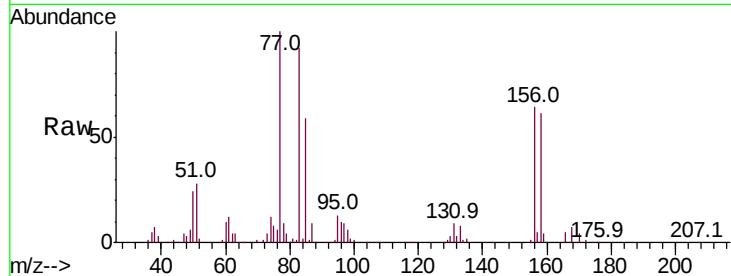
ClientSampleId :

VU0903WBSD01

Tot Ion:	156	Resp:	102507
Ion Ratio	Lower	Upper	
156	100		
77	154.7	76.8	230.5
158	97.3	48.4	145.0

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#78

n-propylbenzene

Concen: 18.427 ug/l

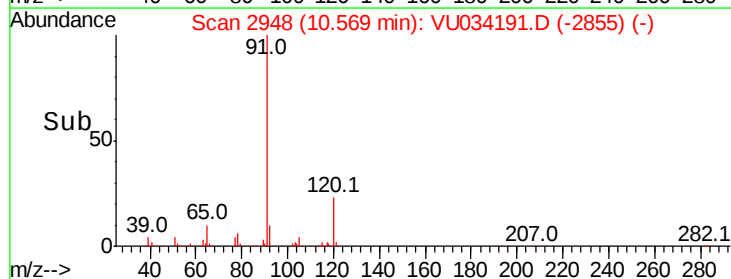
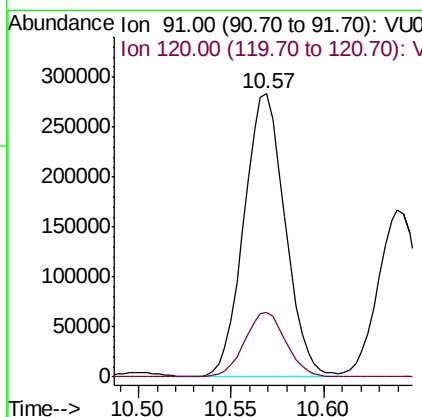
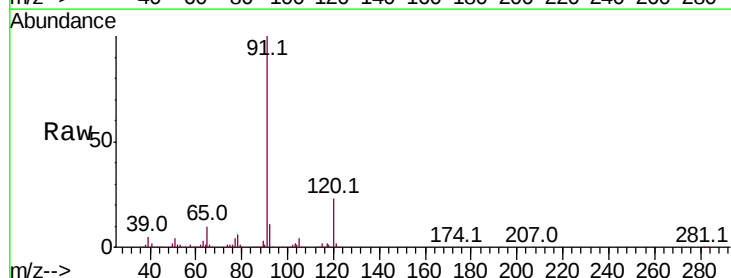
RT: 10.57 min Scan# 2948

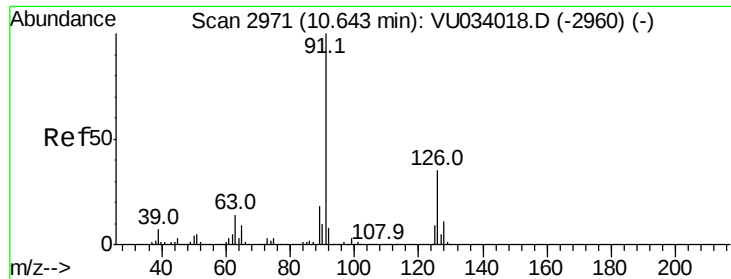
Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	91	Resp:	436294
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.0





#79

2-Chlorotoluene

Concen: 18.538 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0903WBSD01

Tot Ion: 91 Resp: 263275

Ion Ratio Lower Upper

91 100

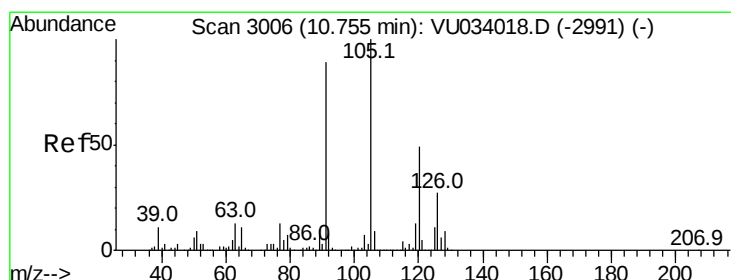
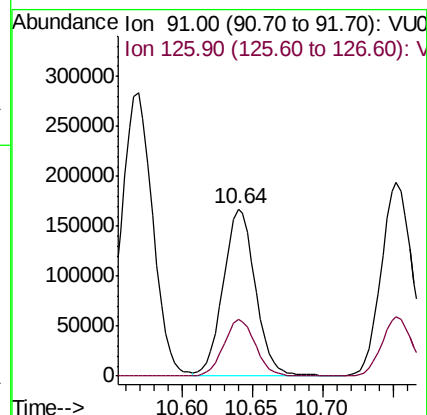
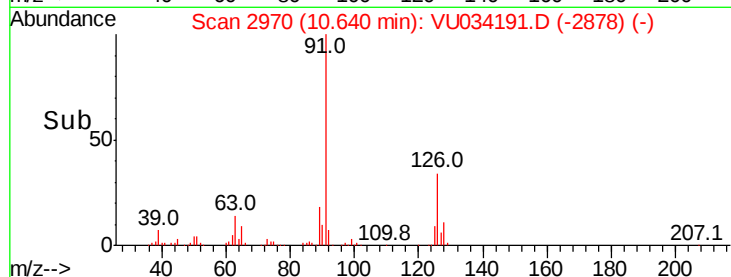
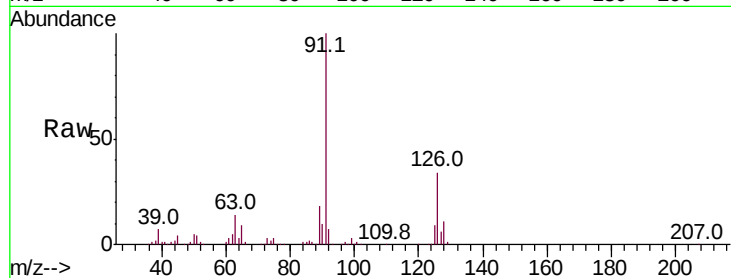
126 33.8 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 18.869 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034191.D

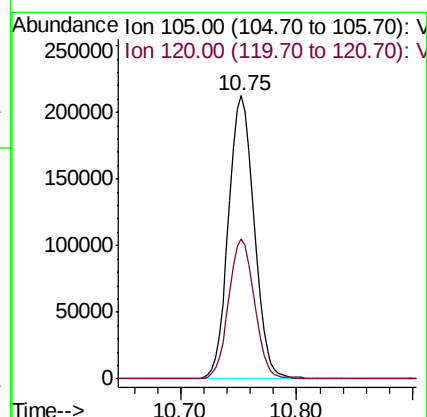
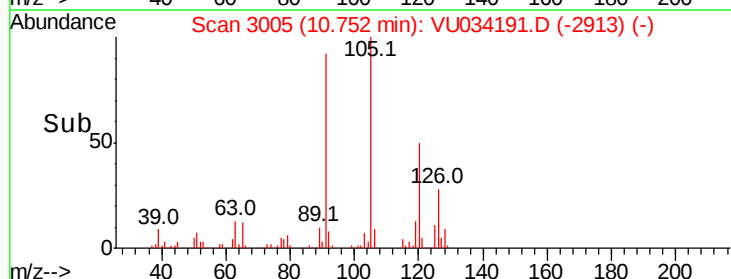
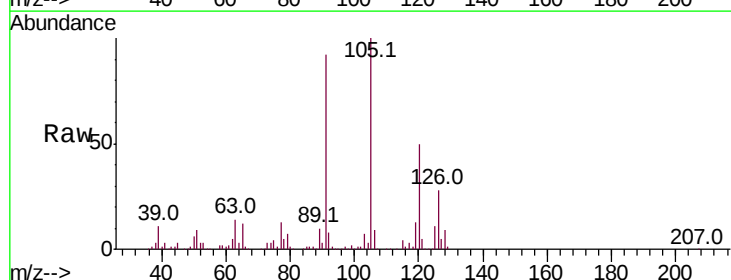
Acq: 02 Sep 2019 10:56

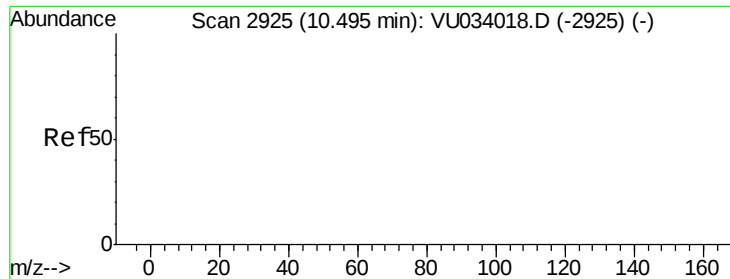
Tgt Ion: 105 Resp: 325154

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6





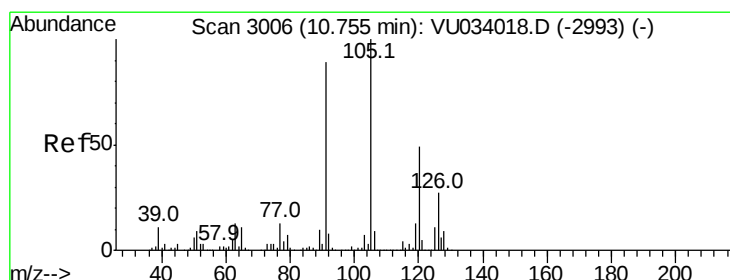
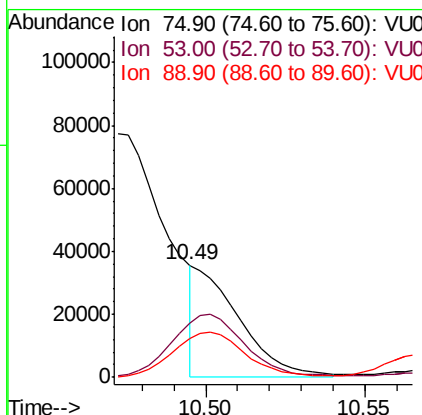
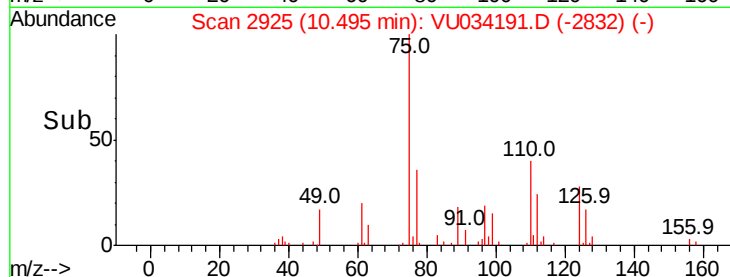
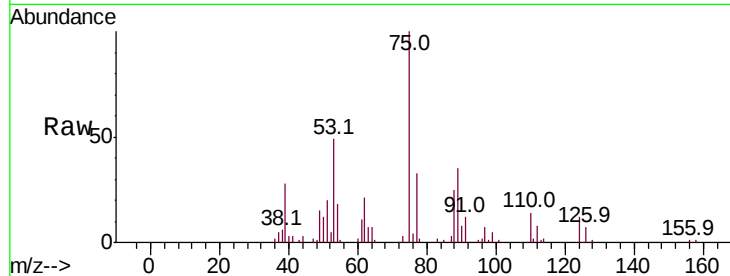
#81
trans-1,4-Dichloro-2-butene
Concen: 16.724 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

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

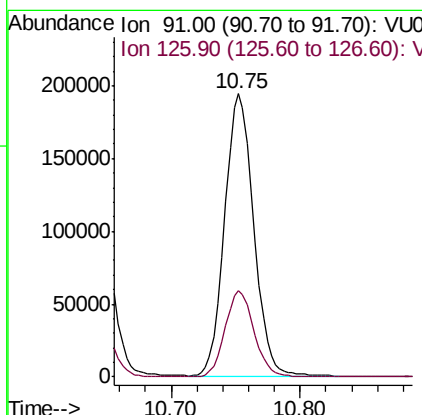
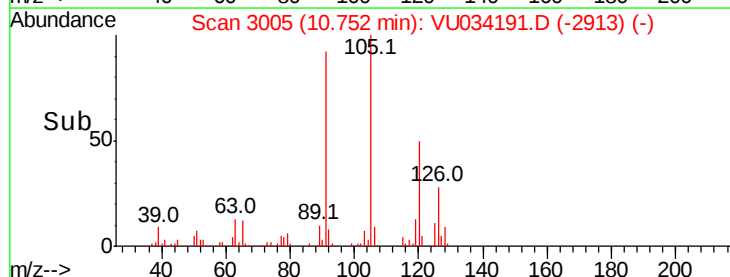
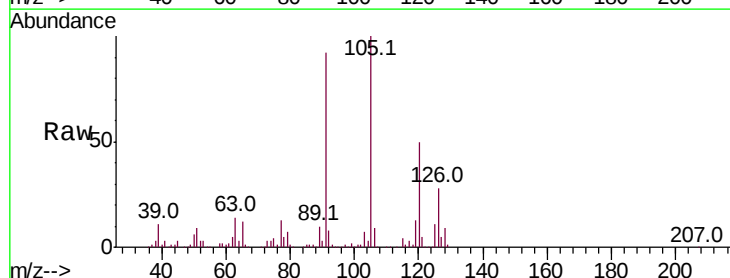
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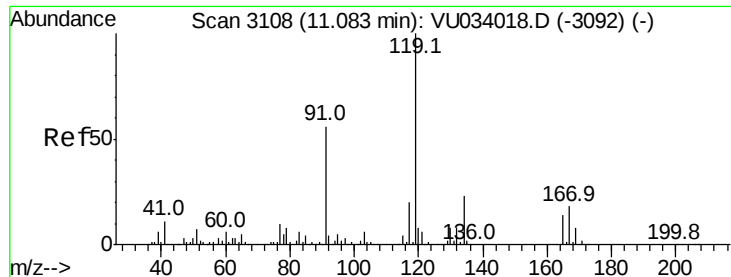
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#82
4-Chlorotoluene
Concen: 18.459 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.0	45.1





#83

tert-Butylbenzene

Concen: 17.909 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

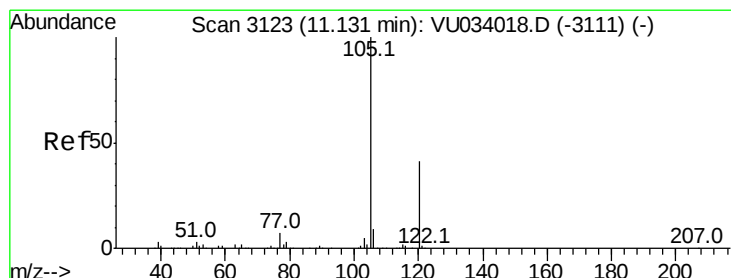
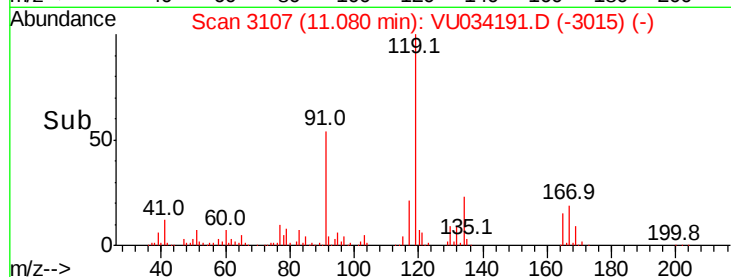
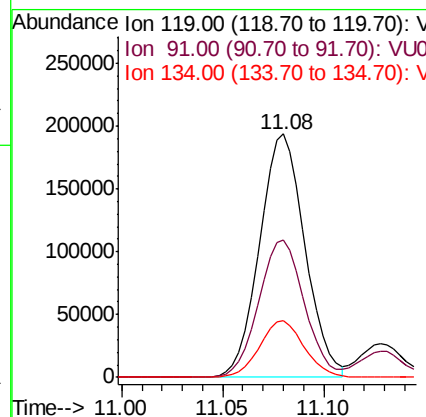
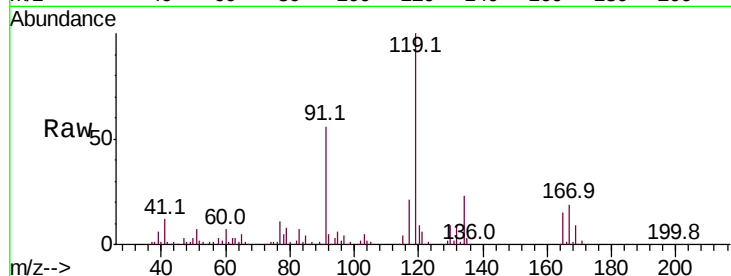
ClientSampleId :

VU0903WBSD01

Tot Ion:	119	Resp:	303801
Ion Ratio	Lower	Upper	
119	100		
91	56.7	27.9	83.6
134	22.9	11.4	34.2

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#84

1,2,4-Trimethylbenzene

Concen: 18.946 ug/l

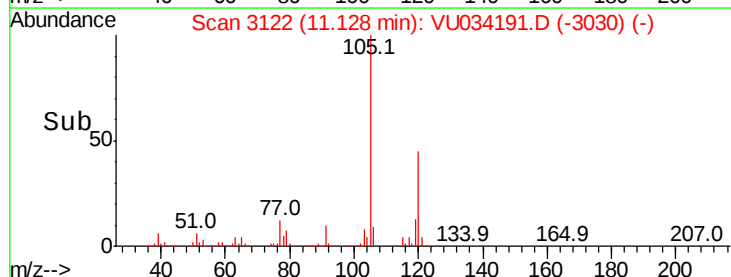
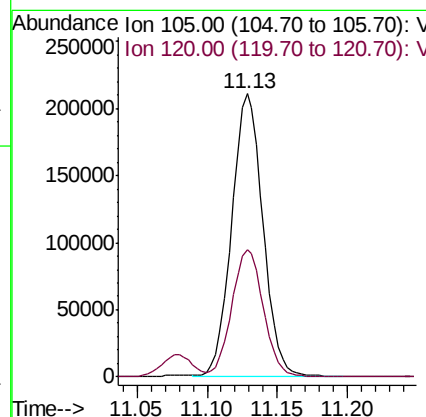
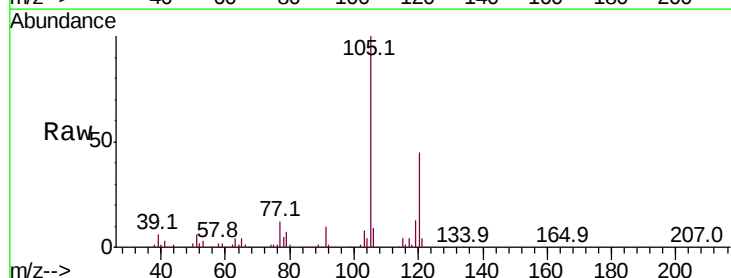
RT: 11.13 min Scan# 3122

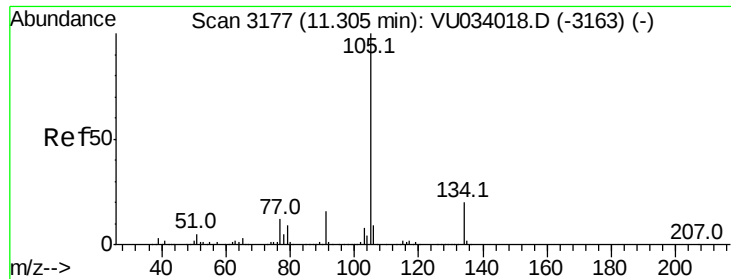
Delta R.T. -0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	105	Resp:	324190
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.6	67.8





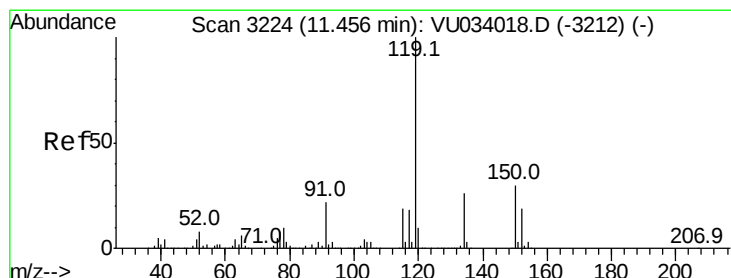
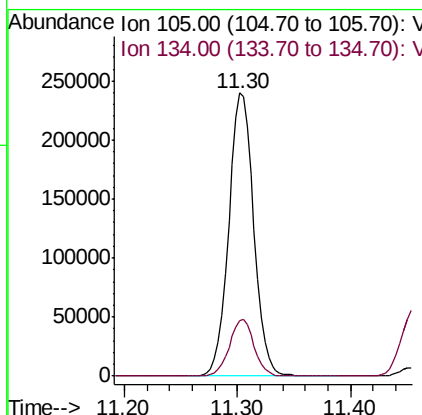
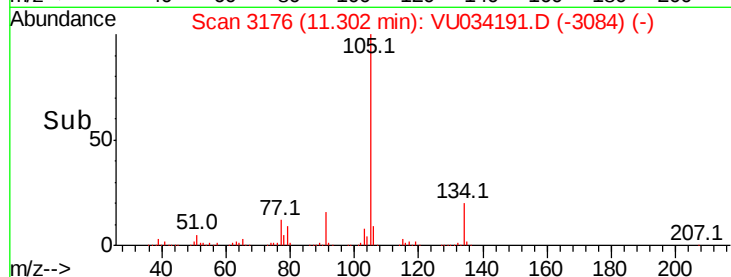
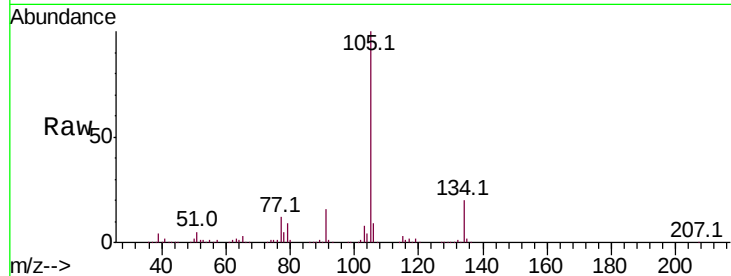
#85
 sec-Butylbenzene
 Concen: 18.008 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0903WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	366125		
134	19.9	10.0	30.0	

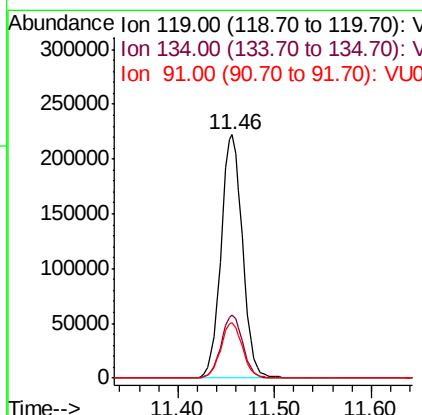
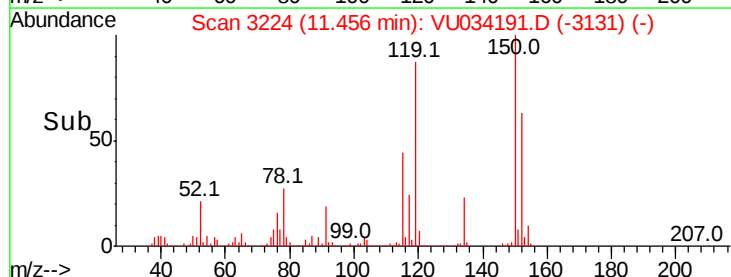
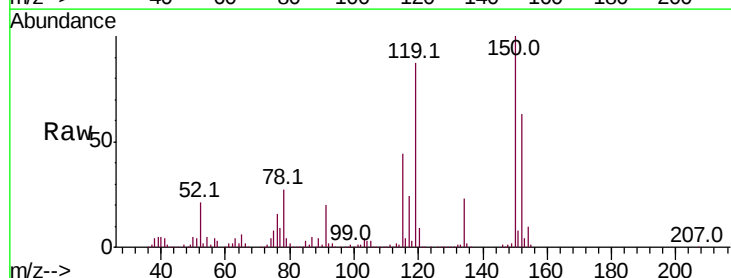
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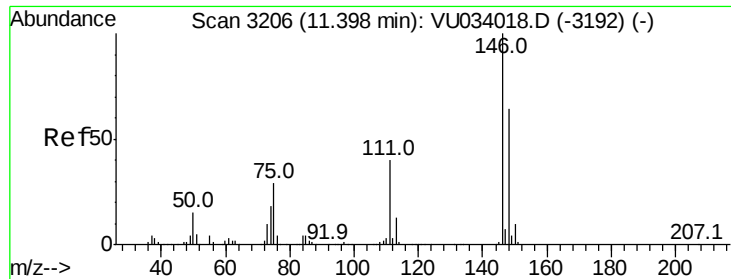
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#86
 p-Isopropyltoluene
 Concen: 18.518 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	340513		
134	26.3	13.1	39.1	
91	22.9	11.2	33.6	





#87

1,3-Dichlorobenzene

Concen: 18.967 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Instrument :

MSVOA_U

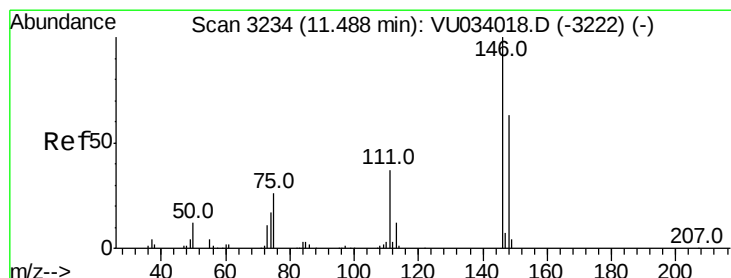
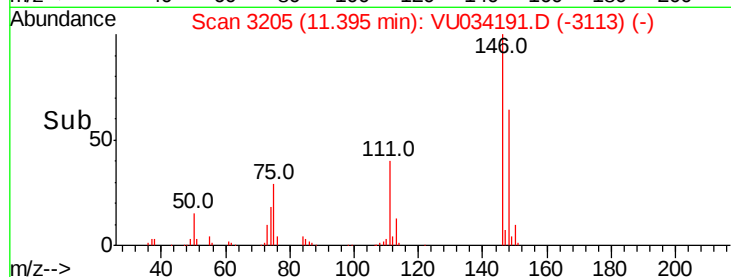
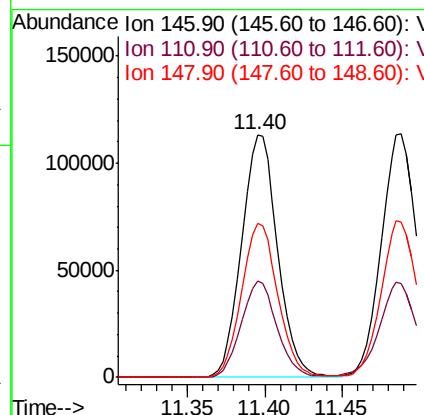
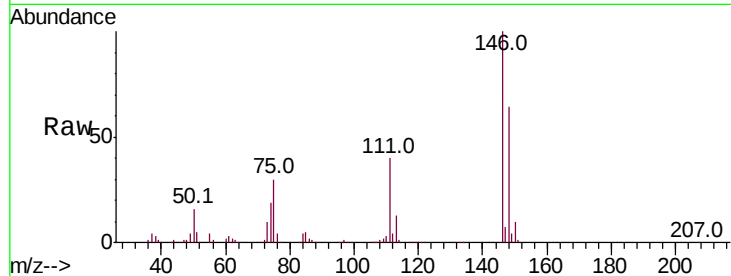
ClientSampleId :

VU0903WBSD01

Tot Ion:	146	Resp:	183641
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.9	59.6
148	63.9	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 18.900 ug/l

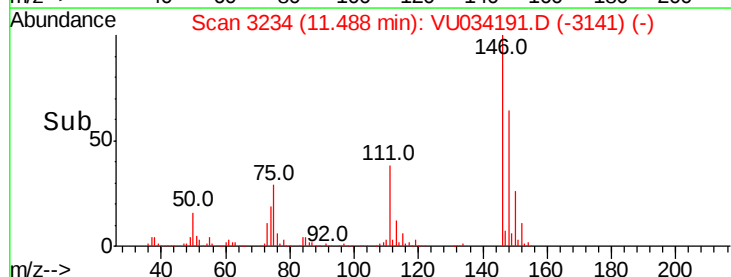
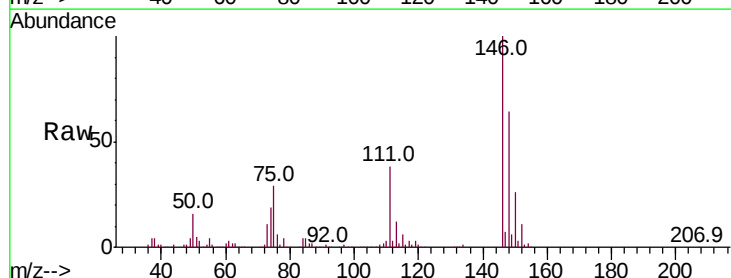
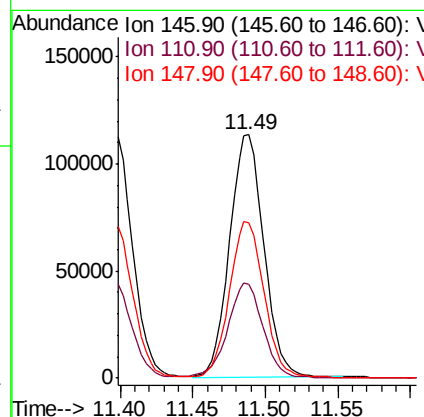
RT: 11.49 min Scan# 3234

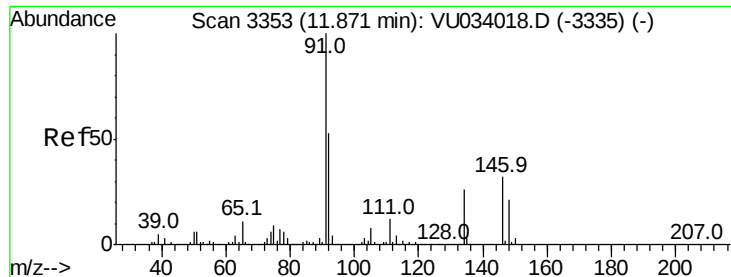
Delta R.T. 0.00 min

Lab File: VU034191.D

Acq: 02 Sep 2019 10:56

Tgt Ion:	146	Resp:	185071
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.2	57.6
148	65.3	31.9	95.9





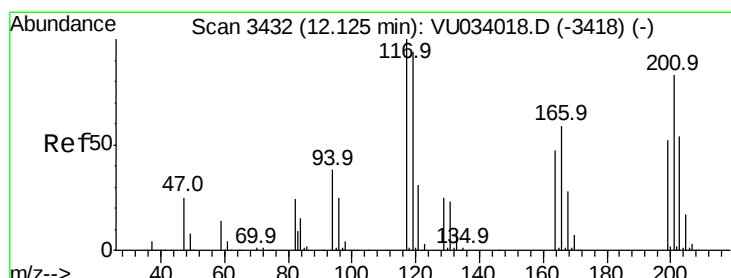
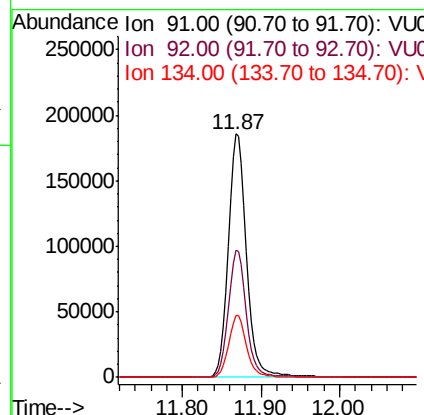
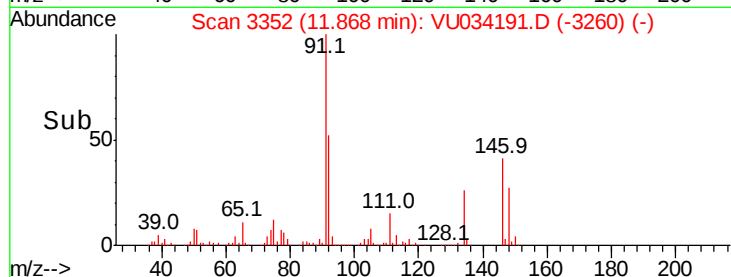
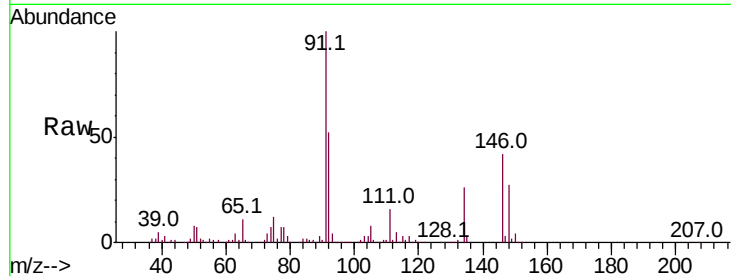
#89
n-Butylbenzene
Concen: 18.259 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.9
134	24.9	12.9	38.7

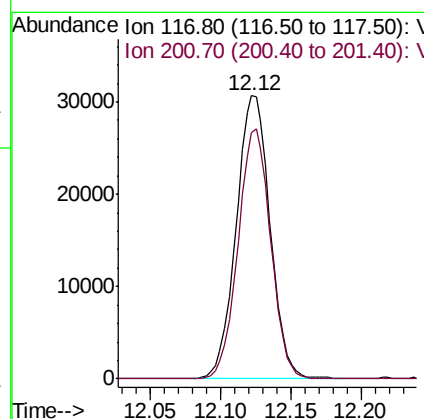
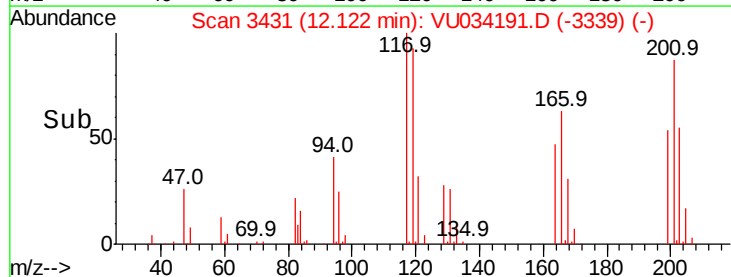
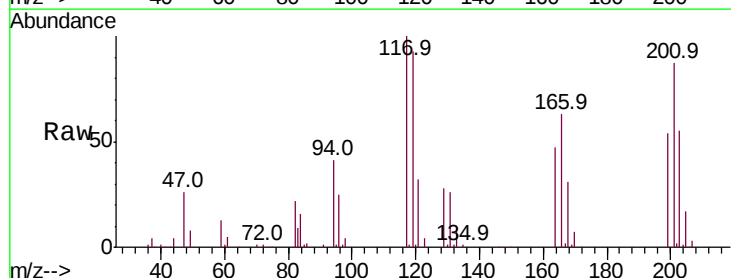
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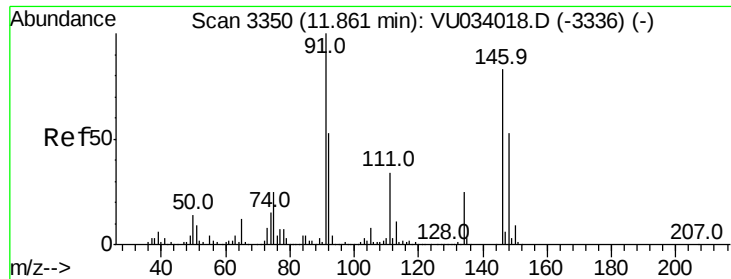
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#90
Hexachloroethane
Concen: 16.203 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





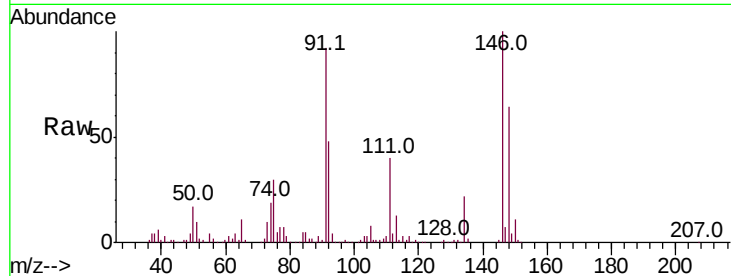
#91
 1,2-Dichlorobenzene
 Concen: 19.518 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBSD01

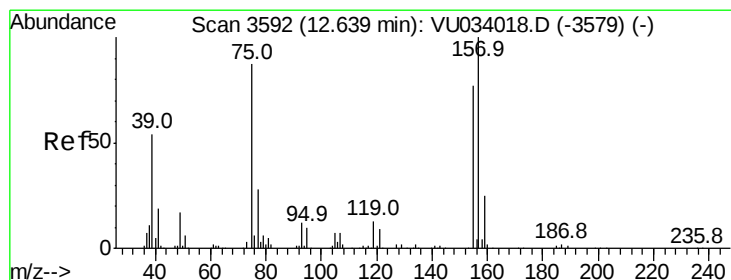
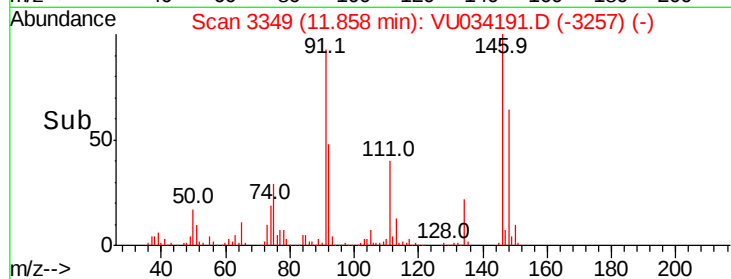
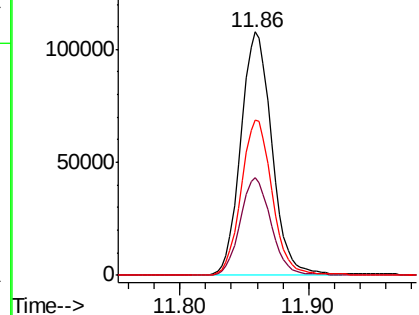
Tot Ion:	146	Resp:	181029
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.4	61.2
148	64.0	32.3	96.8

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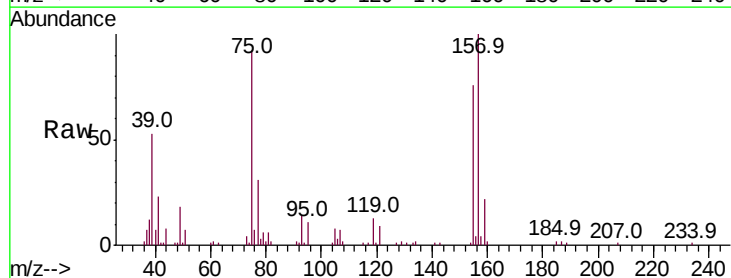


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

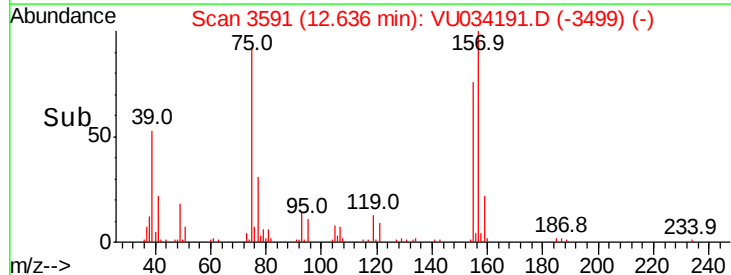
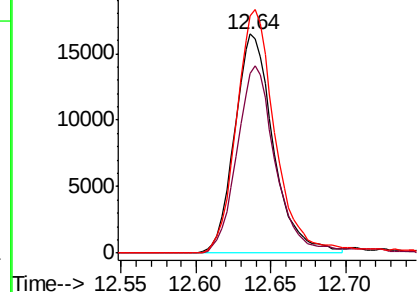


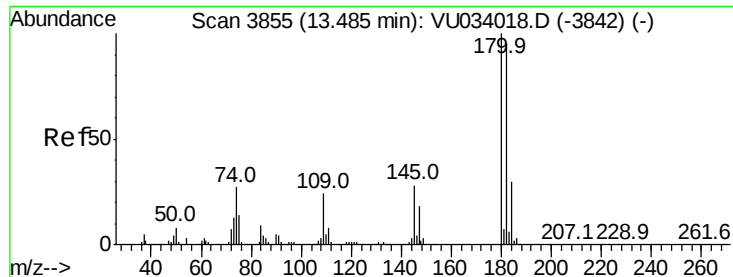
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.121 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Tgt Ion:	75	Resp:	29643
Ion Ratio	Lower	Upper	
75	100		
155	85.1	43.5	130.7
157	111.6	56.9	170.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





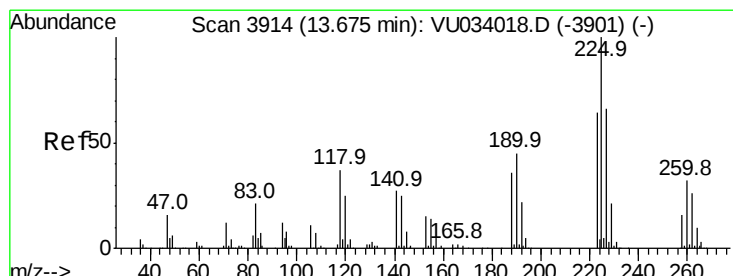
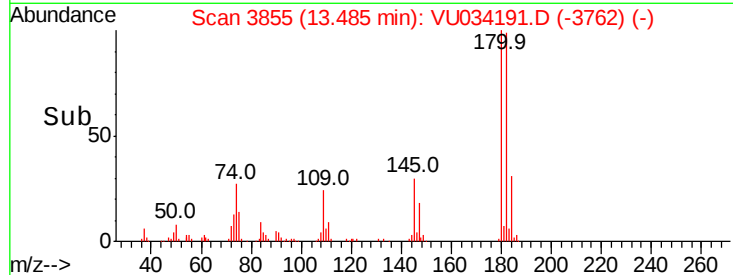
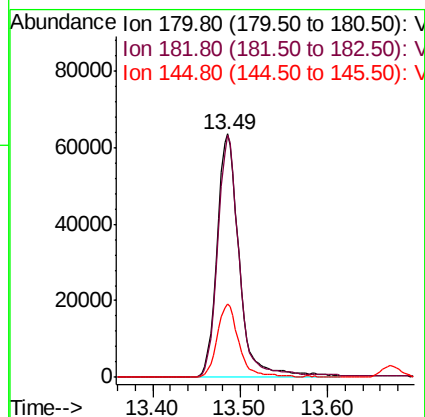
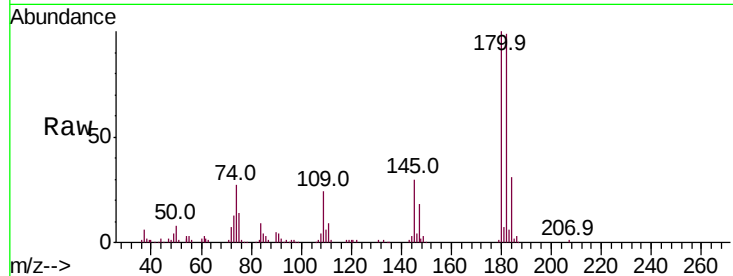
#93
 1,2,4-Trichlorobenzene
 Concen: 17.849 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBSD01

Tot Ion:	180	Resp:	112921
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.2
145	29.4	14.1	42.3

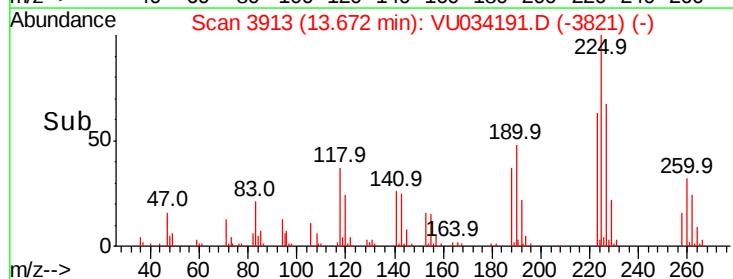
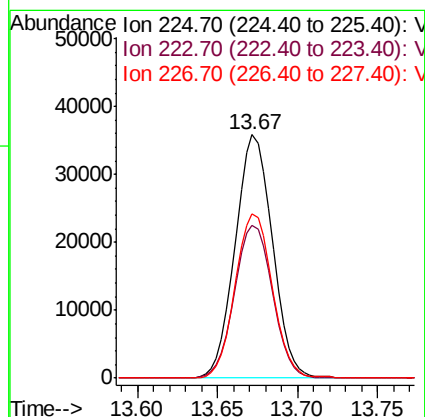
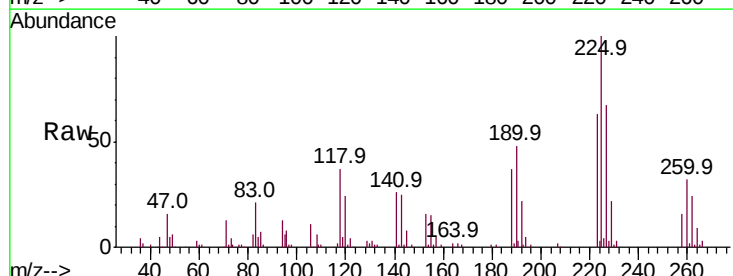
Manual Integrations
 APPROVED

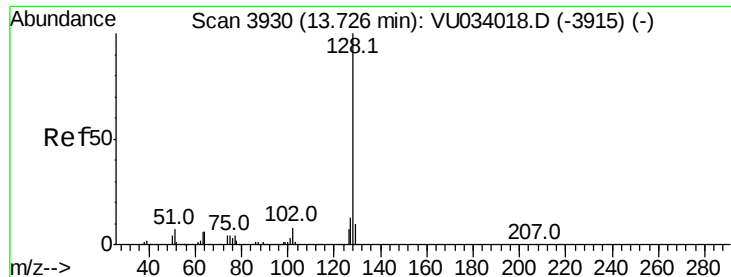
MMDadoda
 9/3/2019 1:09:33 PM



#94
 Hexachlorobutadiene
 Concen: 15.664 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034191.D
 Acq: 02 Sep 2019 10:56

Tgt Ion:	225	Resp:	56834
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.8	95.3
227	67.2	32.6	97.8





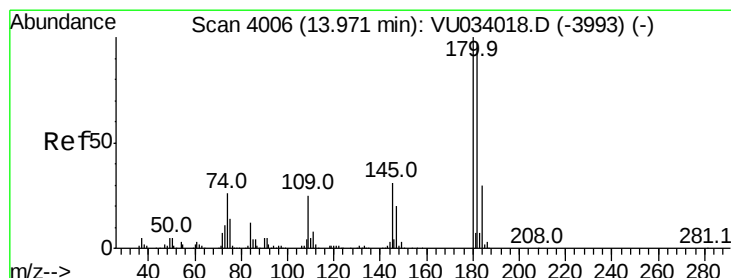
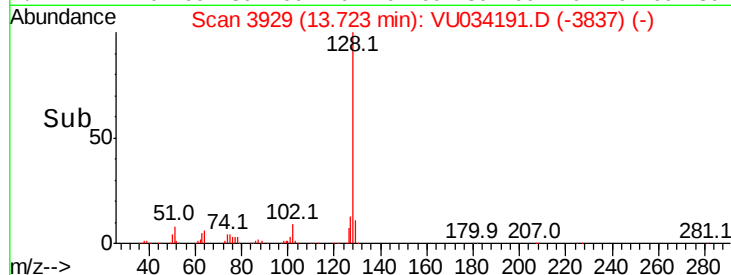
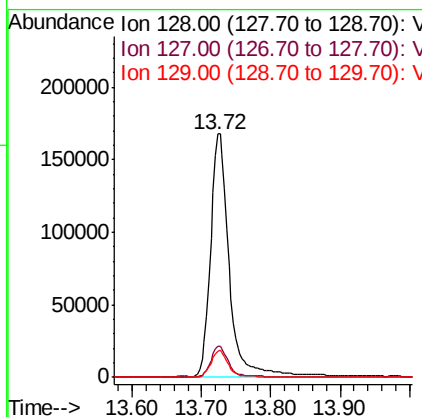
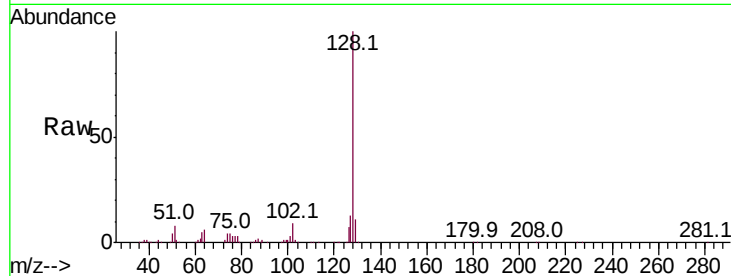
#95
Naphthalene
Concen: 18.000 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0903WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	10.4	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.074 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034191.D
Acq: 02 Sep 2019 10:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.2	144.6
145	31.5	15.5	46.5

