

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034059.D
 Acq On : 29 Aug 2019 14:07
 Operator : JC/SP
 Sample : VU0830MBS01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:55 PM

Quant Time: Aug 29 15:59:05 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	403283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	651283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	626581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	338226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	263324	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	4.86	113	222641	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.55	98	857073	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	10.29	95	316501	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85534	21.089	ug/l	99
3) Chloromethane	1.32	50	105668	18.177	ug/l	99
4) Vinyl Chloride	1.40	62	109567	20.297	ug/l	98
5) Bromomethane	1.62	94	56000	17.812	ug/l	97
6) Chloroethane	1.69	64	65346	19.801	ug/l	100
7) Trichlorofluoromethane	1.88	101	129248	20.664	ug/l	98
8) Diethyl Ether	2.09	74	55923	20.900	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80221	20.245	ug/l	99
10) Methyl Iodide	2.40	142	54869	9.761	ug/l	98
11) Tert butyl alcohol	2.81	59	103240	86.637	ug/l	99
12) 1,1-Dichloroethene	2.27	96	80929	20.046	ug/l	98
13) Acrolein	2.18	56	39751	79.298	ug/l	99
14) Allyl chloride	2.58	41	134588	17.731	ug/l	93
15) Acrylonitrile	2.92	53	277008	101.304	ug/l	100
16) Acetone	2.31	43	240182	91.094	ug/l	100
17) Carbon Disulfide	2.47	76	245740	19.232	ug/l	99
18) Methyl Acetate	2.60	43	131581	19.312	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	268402	20.290	ug/l	99
20) Methylene Chloride	2.69	84	99766	19.987	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	89051	20.324	ug/l	98
22) Diisopropyl ether	3.55	45	291500	20.957	ug/l	93
23) Vinyl Acetate	3.50	43	1212192	101.450	ug/l	99
24) 1,1-Dichloroethane	3.43	63	170961	20.818	ug/l	99
25) 2-Butanone	4.24	43	359879	98.106	ug/l	100
26) 2,2-Dichloropropane	4.20	77	129932	19.445	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	100113	20.356	ug/l	98
28) Bromochloromethane	4.52	49	83667	20.680	ug/l	100
29) Tetrahydrofuran	4.62	42	230873	102.056	ug/l	99
30) Chloroform	4.65	83	165406	20.188	ug/l	99
31) Cyclohexane	4.97	56	150423	19.494	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	136866	20.396	ug/l	99
36) 1,1-Dichloropropene	5.12	75	119958	19.473	ug/l	100
37) Ethyl Acetate	4.36	43	132429	19.197	ug/l	99
38) Carbon Tetrachloride	5.11	117	116270	19.553	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	136441	18.792	ug/l	97
40) Benzene	5.37	78	375850	20.165	ug/l	100
41) Methacrylonitrile	4.52	41	71424	20.188	ug/l	98
42) 1,2-Dichloroethane	5.38	62	130642	20.298	ug/l	98
43) Isopropyl Acetate	5.53	43	197241	18.794	ug/l	99
44) Trichloroethene	6.17	130	97139	19.847	ug/l	99
45) 1,2-Dichloropropane	6.41	63	102906	20.057	ug/l	99
46) Dibromomethane	6.54	93	65119	19.700	ug/l	99
47) Bromodichloromethane	6.74	83	125244	19.366	ug/l	99
48) Methyl methacrylate	6.60	41	94978	18.754	ug/l	100
49) 1,4-Dioxane	6.59	88	42660	336.196	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	687365	94.837	ug/l	100
52) Toluene	7.62	92	234264	20.403	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	132770	18.502	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	151406	19.313	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	95084	19.578	ug/l	99
56) Ethyl methacrylate	8.00	69	130930	16.909	ug/l	99
57) 1,3-Dichloropropane	8.22	76	161491	19.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	228612	85.087	ug/l	100
59) 2-Hexanone	8.34	43	514510	94.035	ug/l	98
60) Dibromochloromethane	8.46	129	97131	18.632	ug/l	99
61) 1,2-Dibromoethane	8.57	107	96788	18.919	ug/l	99
64) Tetrachloroethene	8.21	164	89298	21.221	ug/l	97
65) Chlorobenzene	9.10	112	253685	19.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	88138	18.850	ug/l	98
67) Ethyl Benzene	9.23	91	423044	19.354	ug/l	99
68) m/p-Xylenes	9.36	106	328324	39.504	ug/l	99
69) o-Xylene	9.76	106	153718	19.278	ug/l	98
70) Styrene	9.77	104	270833	19.810	ug/l	100
71) Bromoform	9.94	173	72778	17.915	ug/l #	98
73) Isopropylbenzene	10.15	105	420505	18.509	ug/l	99
74) N-amyl acetate	10.00	43	166822	17.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.44	83	157088	18.066	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	126411m	16.583	ug/l	
77) Bromobenzene	10.43	156	114143	18.677	ug/l	99
78) n-propylbenzene	10.57	91	498435	18.839	ug/l	99
79) 2-Chlorotoluene	10.64	91	303232	19.108	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	372729	19.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	38314m	16.924	ug/l	
82) 4-Chlorotoluene	10.76	91	350721	19.216	ug/l	99
83) tert-Butylbenzene	11.08	119	341609	18.022	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	367452	19.218	ug/l	98
85) sec-Butylbenzene	11.31	105	426164	18.758	ug/l	100
86) p-Isopropyltoluene	11.46	119	392012	19.078	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	203721	18.829	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	209144	19.114	ug/l	99
89) n-Butylbenzene	11.87	91	339137	18.720	ug/l	99
90) Hexachloroethane	12.12	117	57962	16.316	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	199119	19.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31258	18.044	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	126228	17.855	ug/l	99
94) Hexachlorobutadiene	13.67	225	74749	18.437	ug/l	98
95) Naphthalene	13.73	128	324965	16.632	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124734	18.788	ug/l	99

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

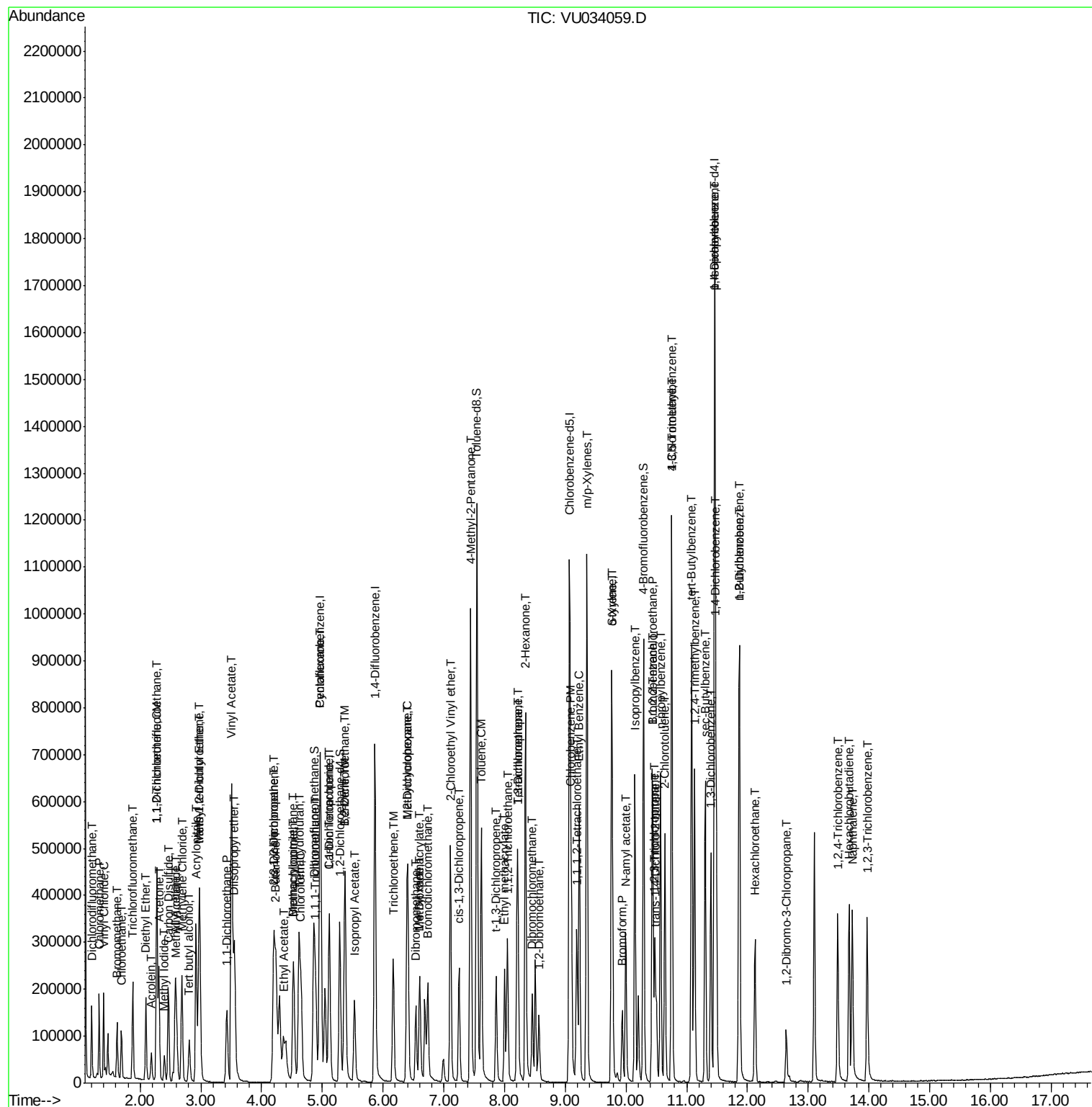
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU083019\
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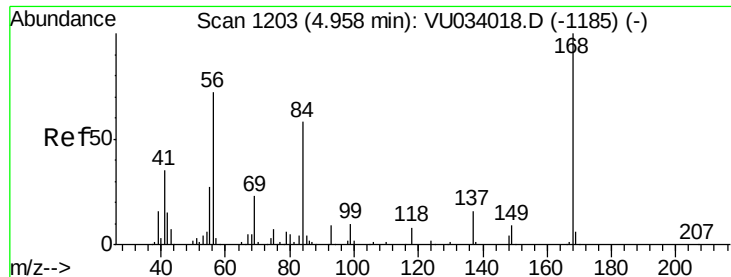
Instrument :
MSVOA_U
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034059.D

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Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion:168 Resp: 403283

Ion Ratio Lower Upper

168 100

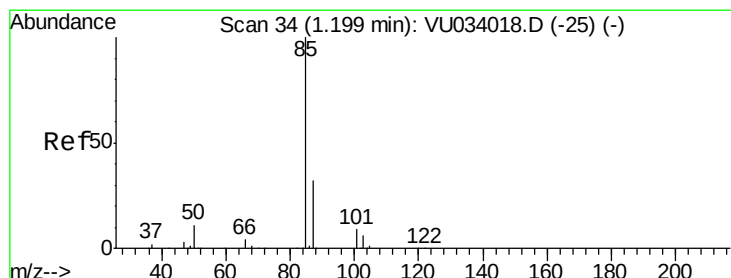
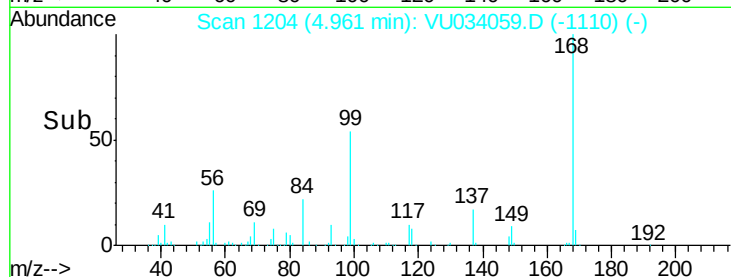
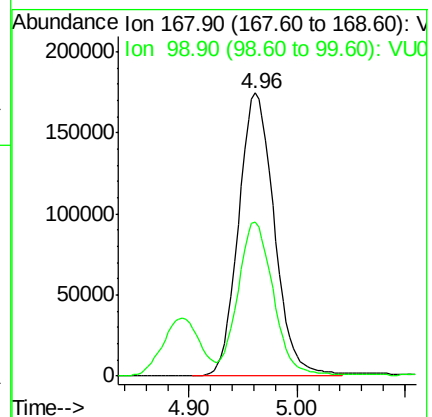
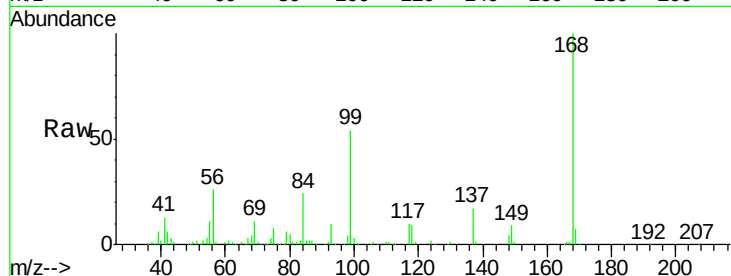
99 53.7 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.089 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034059.D

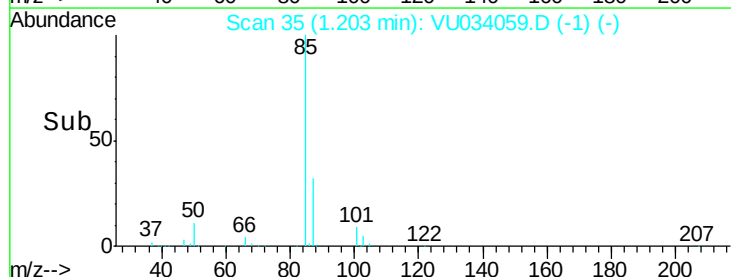
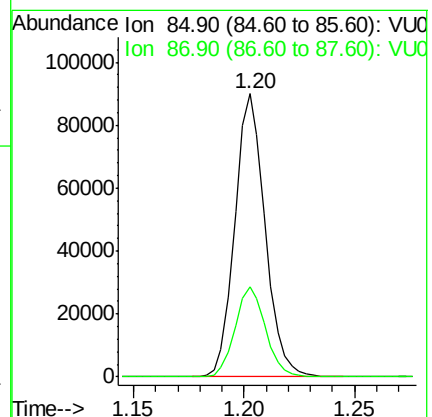
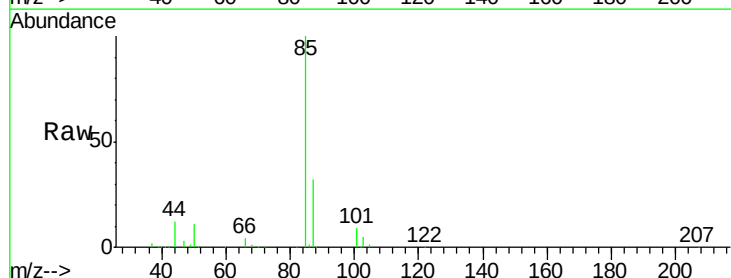
Acq: 29 Aug 2019 14:07

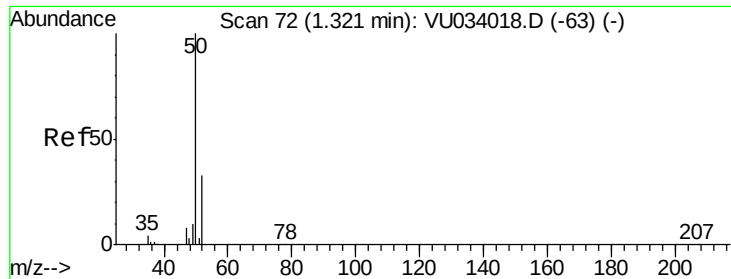
Tgt Ion: 85 Resp: 85534

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3





#3

Chloromethane

Concen: 18.177 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 50 Resp: 105668

Ion Ratio Lower Upper

50 100

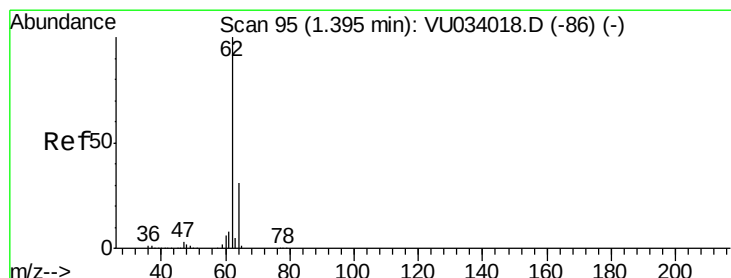
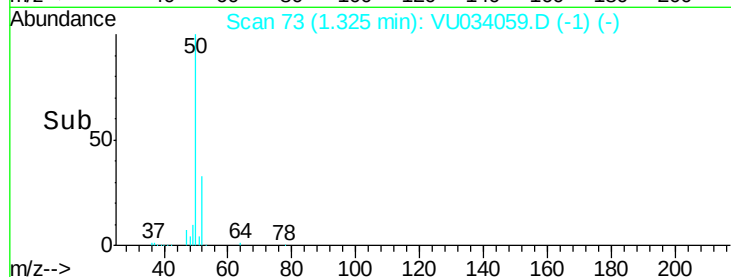
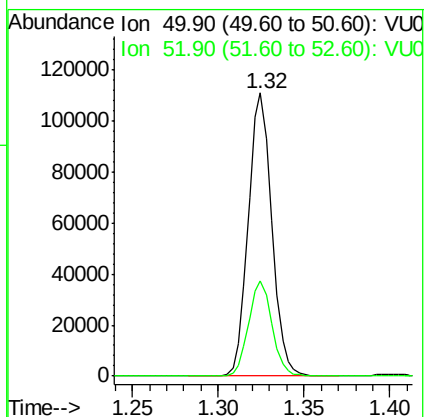
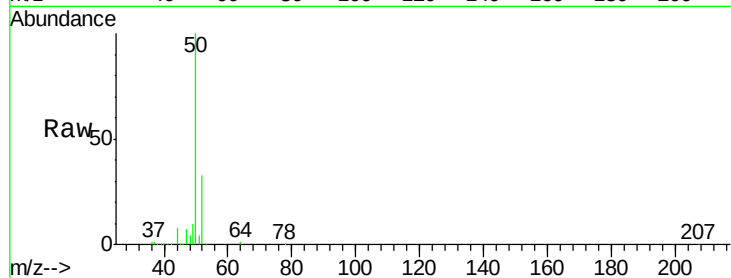
52 33.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.297 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034059.D

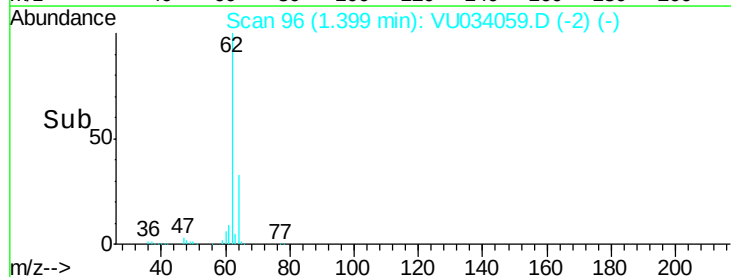
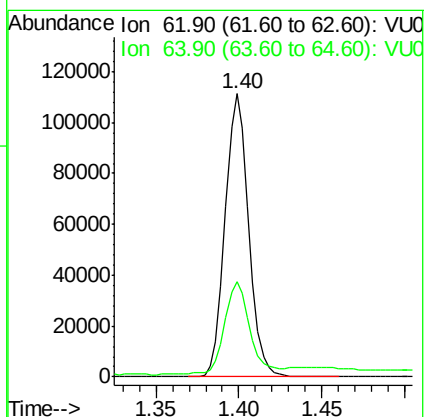
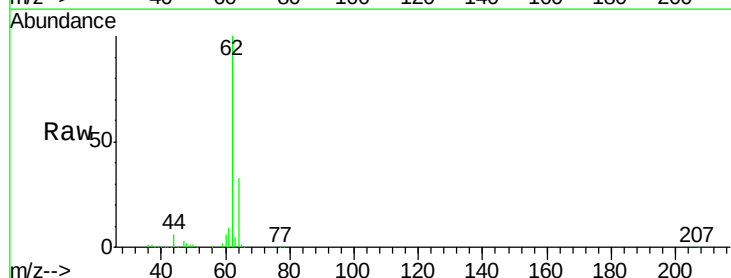
Acq: 29 Aug 2019 14:07

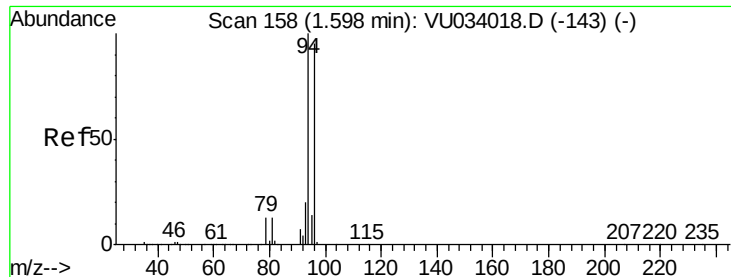
Tgt Ion: 62 Resp: 109567

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 17.812 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampled :

VU0830MBS01

Tot Ion: 94 Resp: 56000

Ion Ratio Lower Upper

94 100

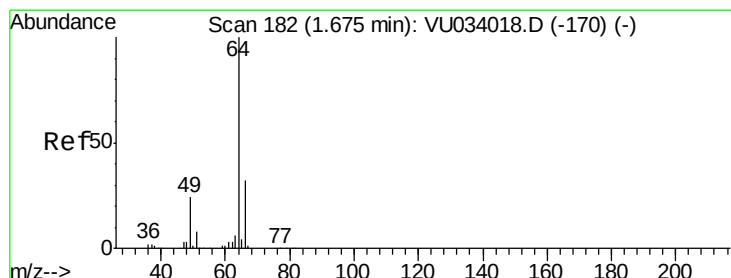
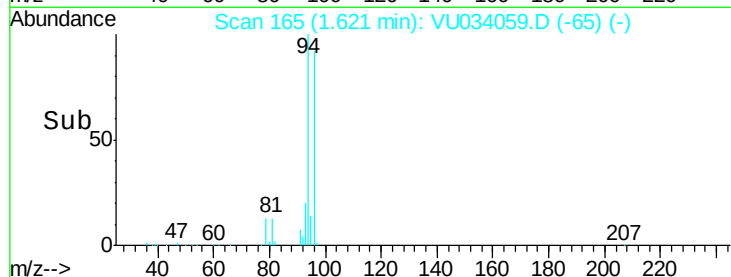
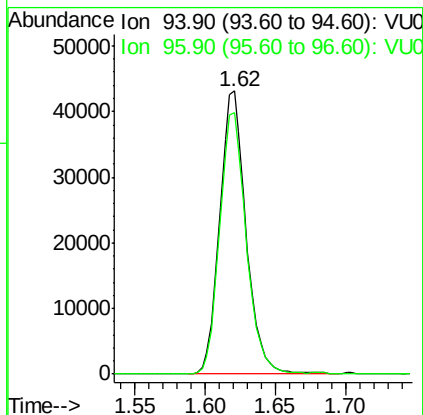
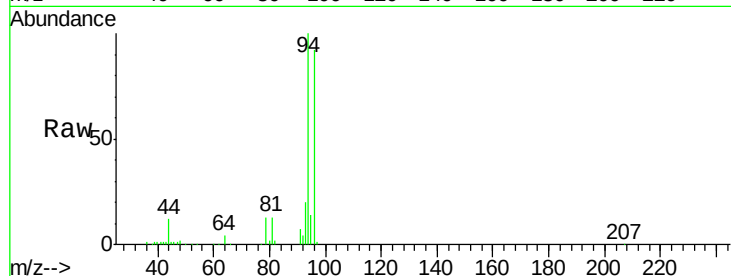
96 92.2 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 19.801 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034059.D

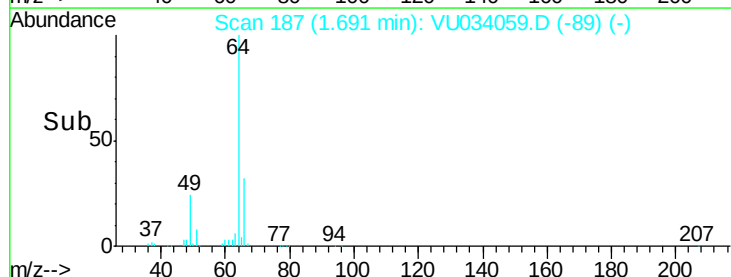
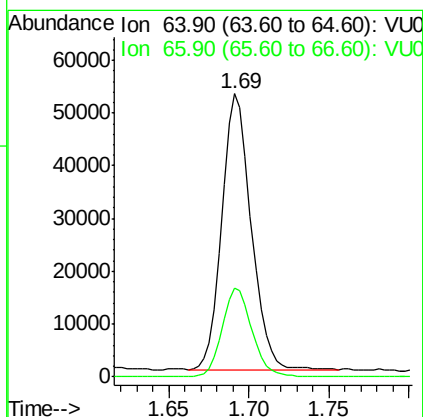
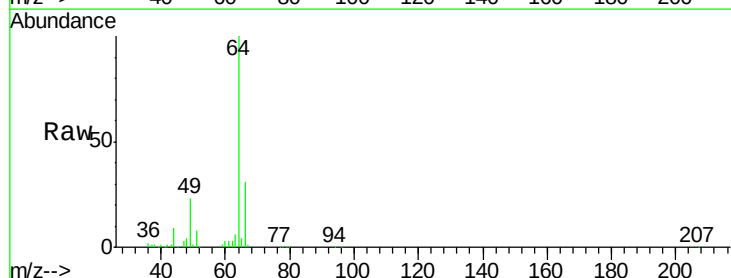
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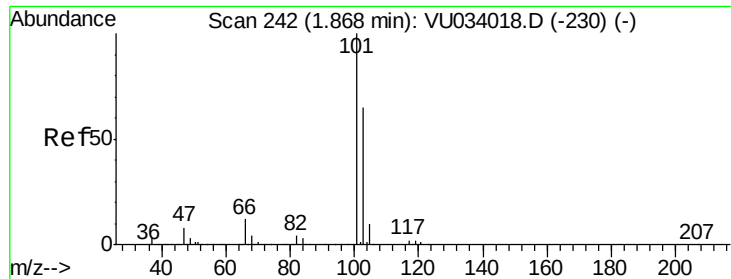
Tgt Ion: 64 Resp: 65346

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

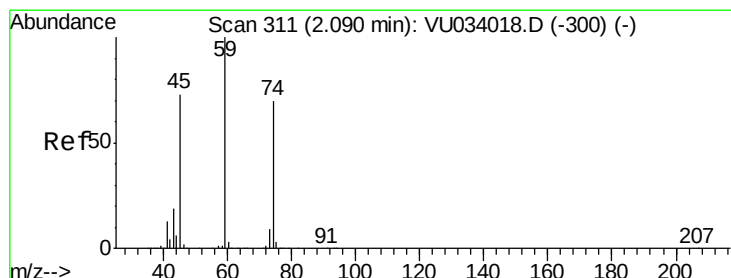
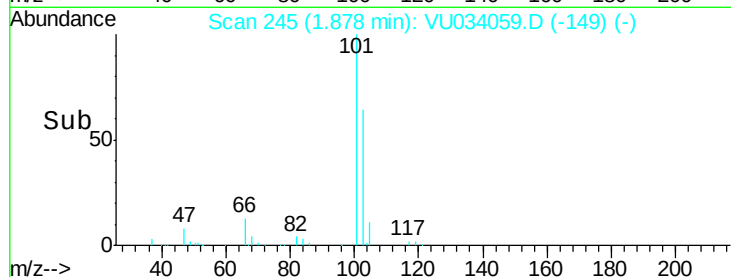
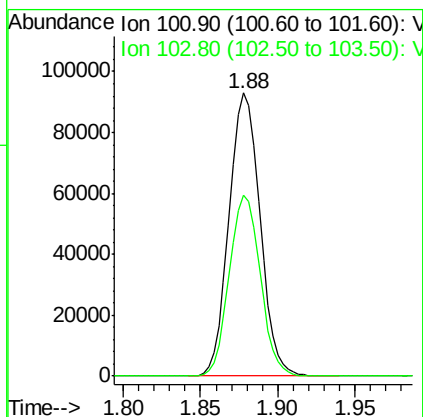
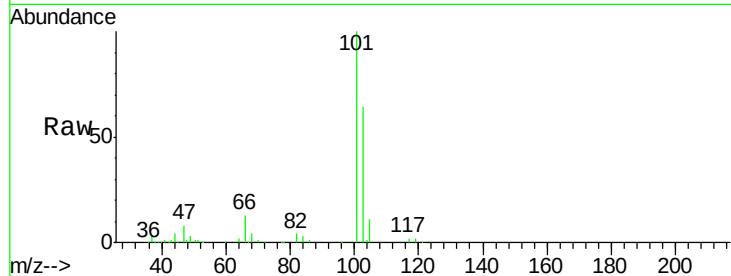
Trichlorofluoromethane
 Concen: 20.664 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	129248		
103	63.7	52.1	78.1	

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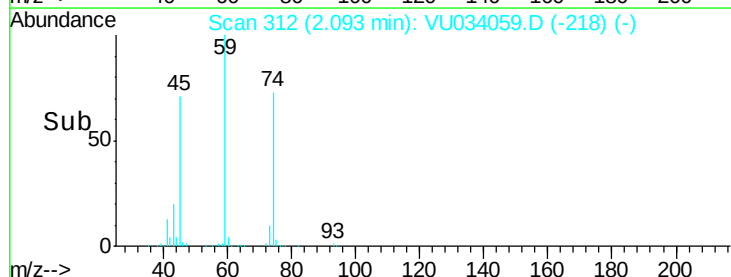
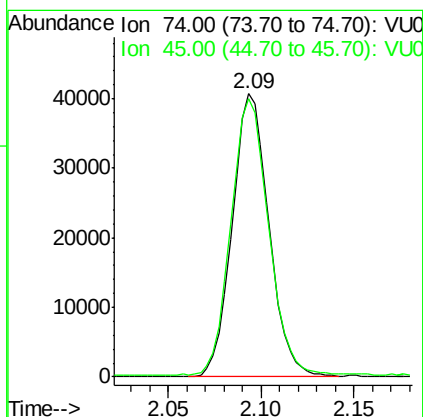
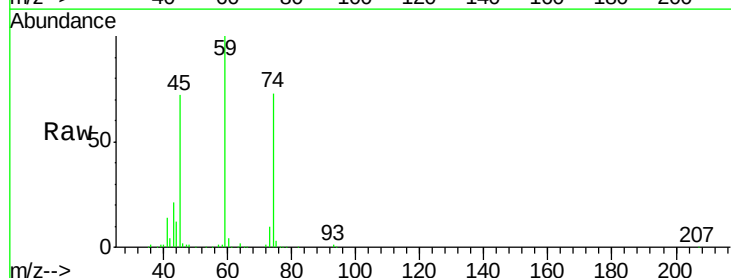
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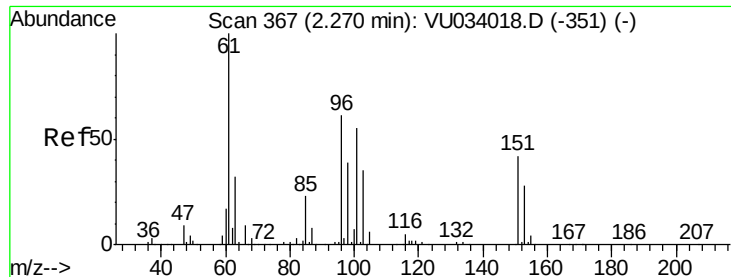


#8

Diethyl Ether
 Concen: 20.900 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55923		
45	100.1	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.245 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

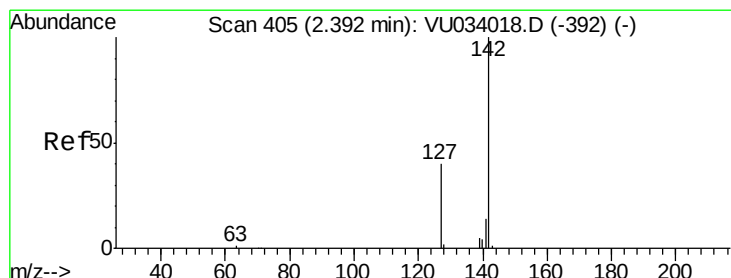
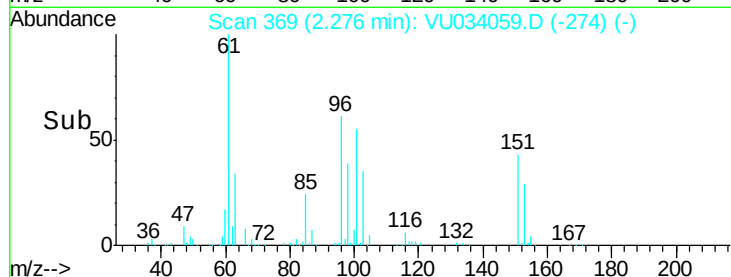
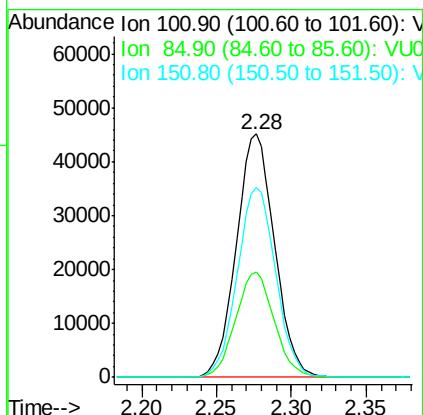
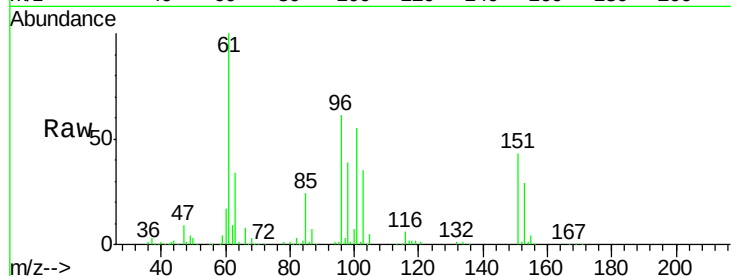
ClientSampleId :

VU0830MBS01

Tot Ion:	101	Resp:	80221
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.2
151	78.4	61.4	92.2

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#10

Methyl Iodide

Concen: 9.761 ug/l

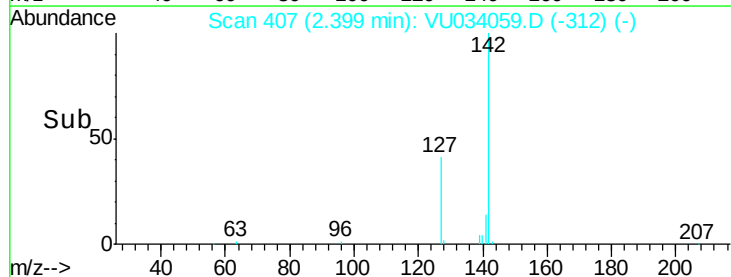
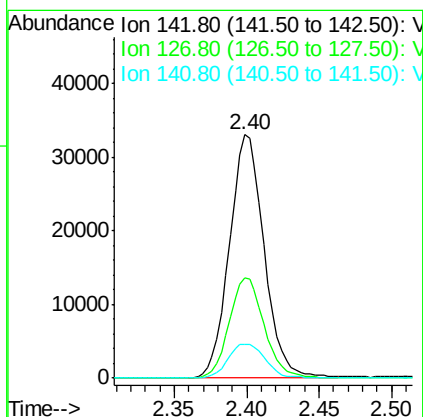
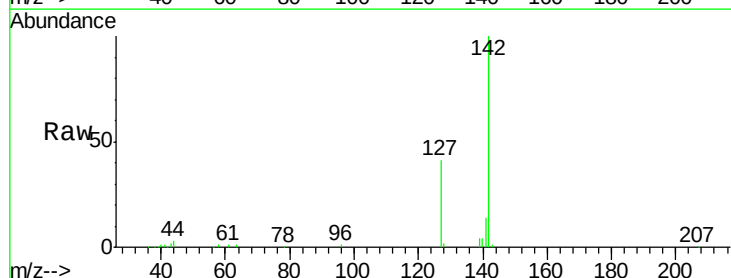
RT: 2.40 min Scan# 407

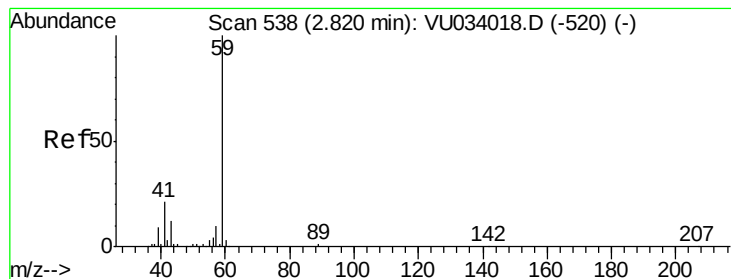
Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	142	Resp:	54869
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.6	48.8
141	15.0	11.3	16.9





#11

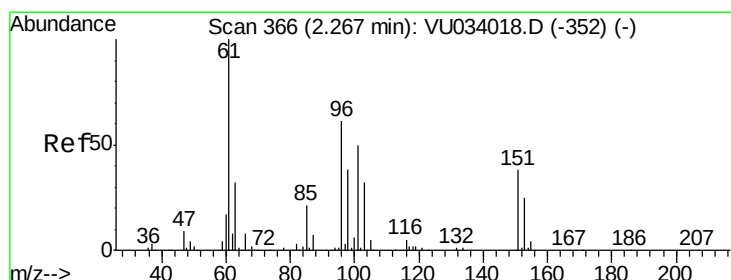
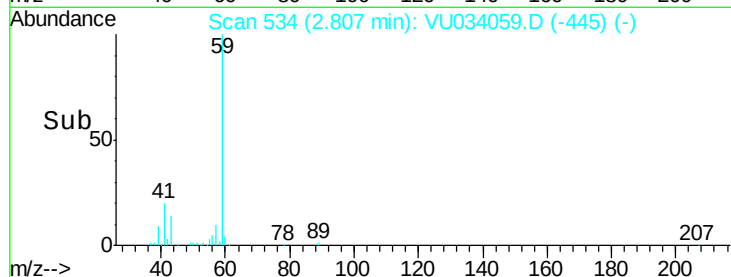
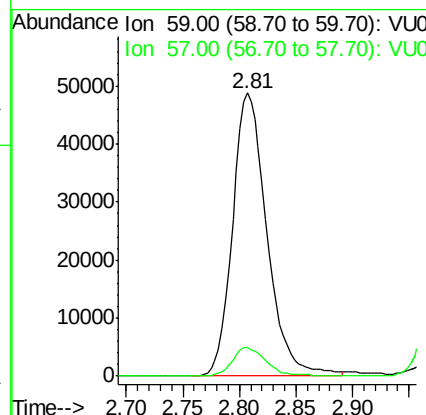
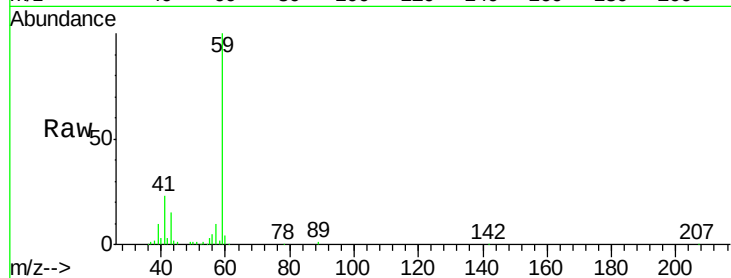
Tert butyl alcohol
 Concen: 86.637 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

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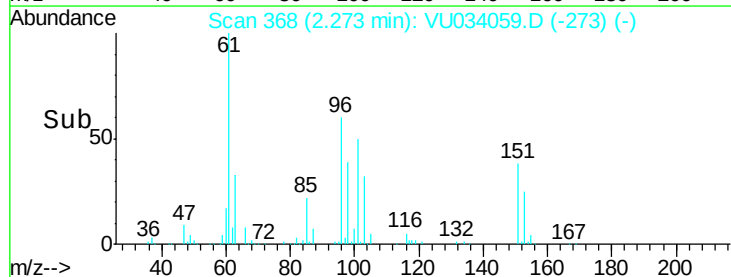
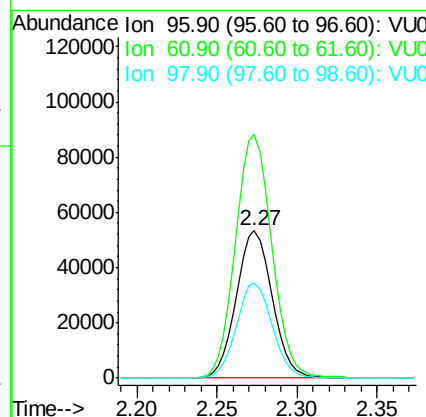
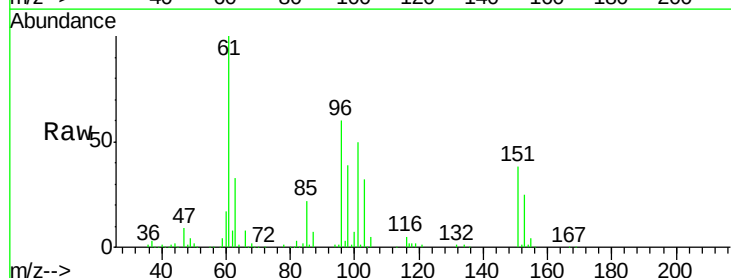
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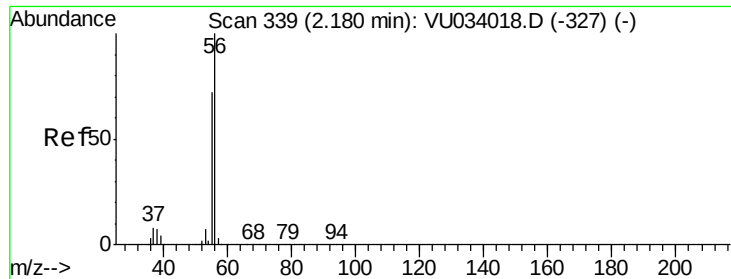


#12

1,1-Dichloroethene
 Concen: 20.046 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	131.3	196.9
98	64.9	50.3	75.5





#13

Acrolein

Concen: 79.298 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 56 Resp: 39751

Ion Ratio Lower Upper

56 100

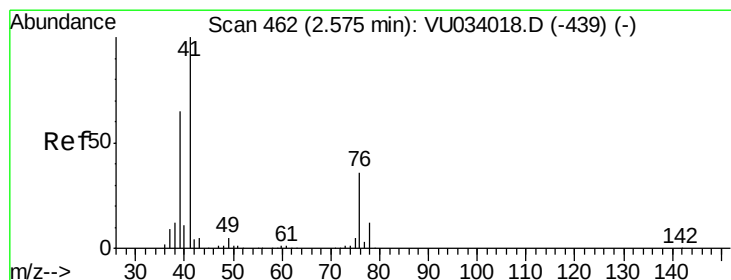
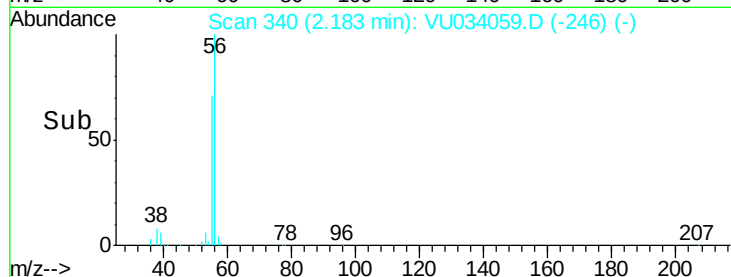
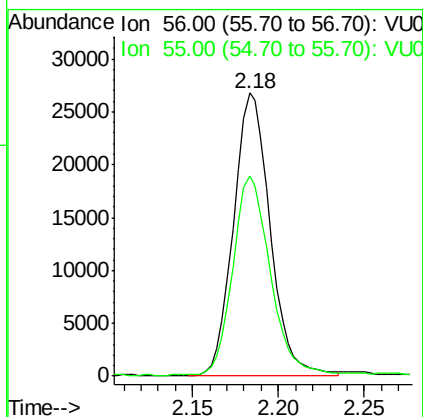
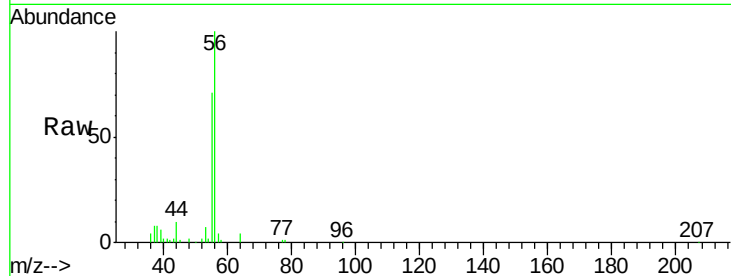
55 70.7 57.1 85.7

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#14

Allyl chloride

Concen: 17.731 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

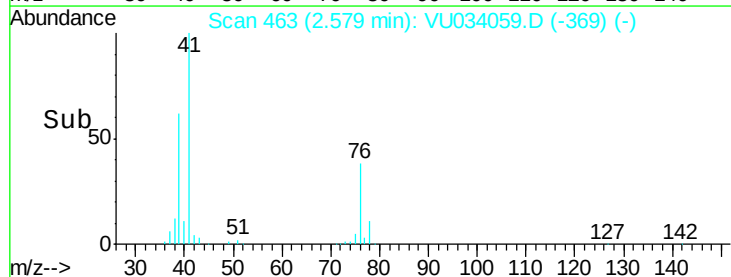
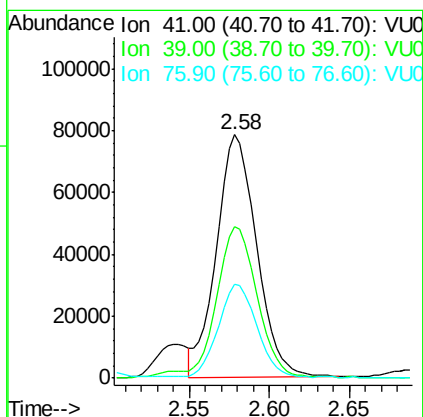
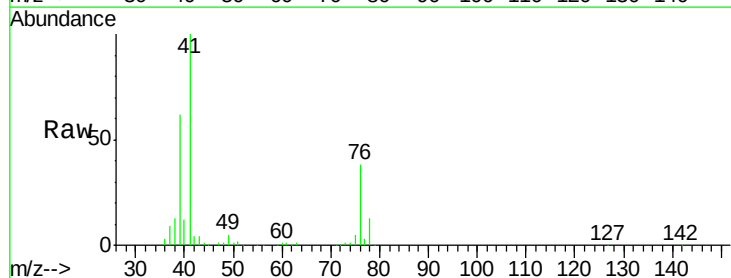
Tgt Ion: 41 Resp: 134588

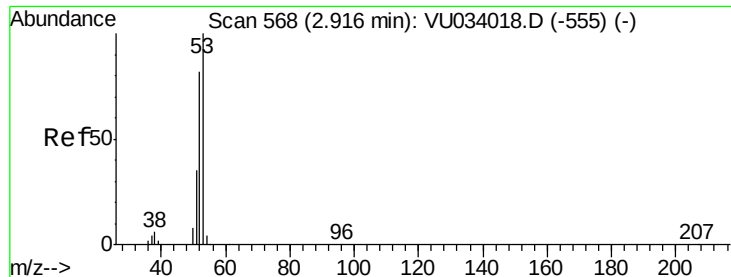
Ion Ratio Lower Upper

41 100

39 64.8 46.8 70.2

76 36.5 26.6 40.0





#15

Acrylonitrile

Concen: 101.304 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

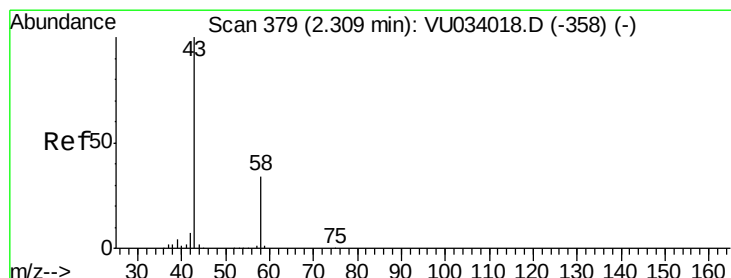
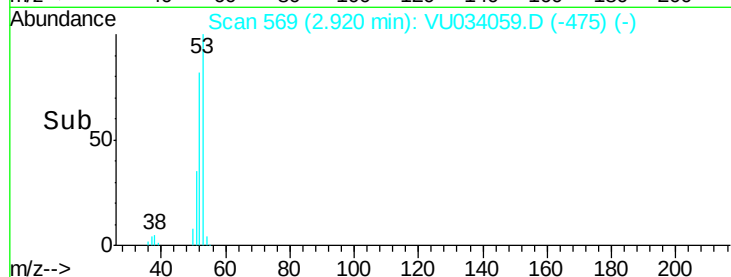
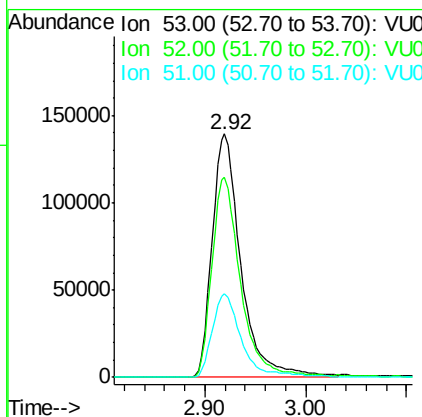
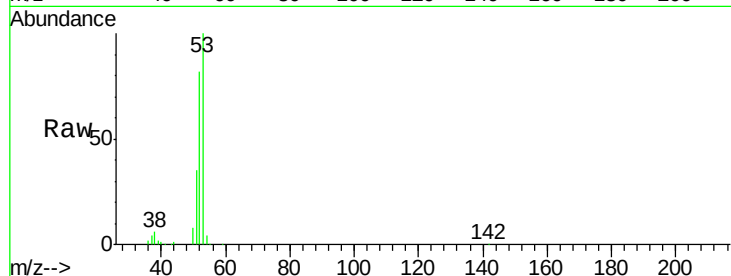
ClientSampleId :

VU0830MBS01

Tot Ion:	53	Resp:	277008
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.7	98.5
51	35.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 91.094 ug/l

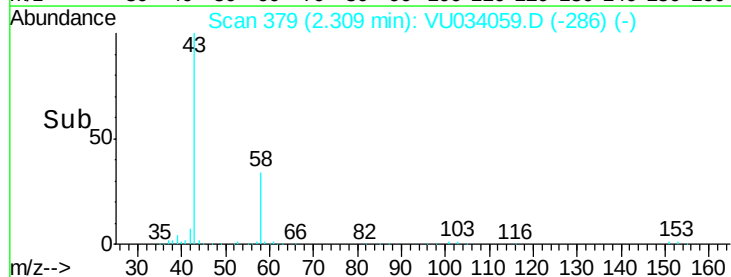
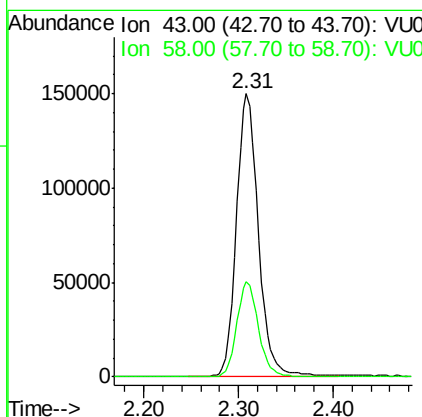
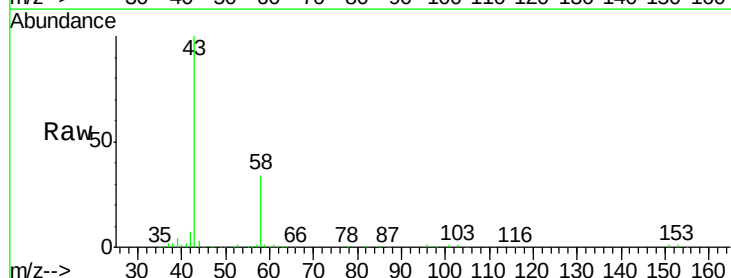
RT: 2.31 min Scan# 379

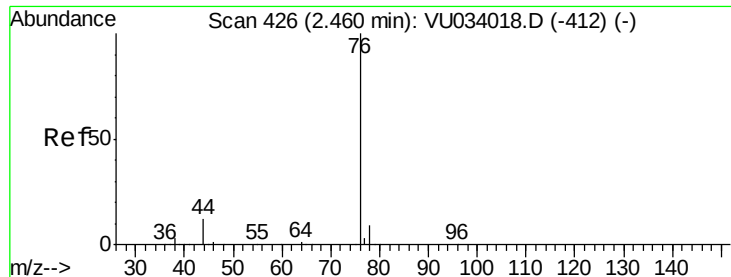
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	43	Resp:	240182
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.8	40.2





#17

Carbon Disulfide

Concen: 19.232 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 76 Resp: 245740

Ion Ratio Lower Upper

76 100

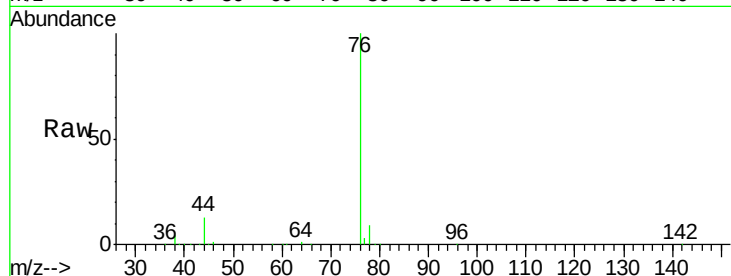
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-412) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-412) (-)

2.47

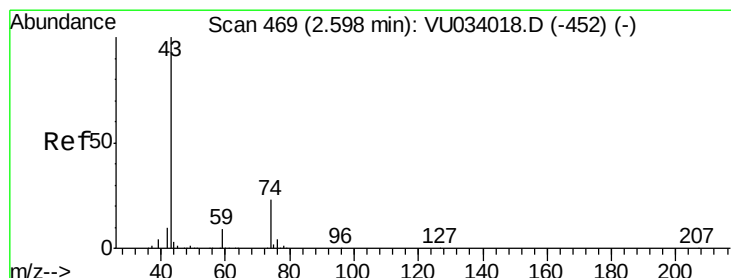
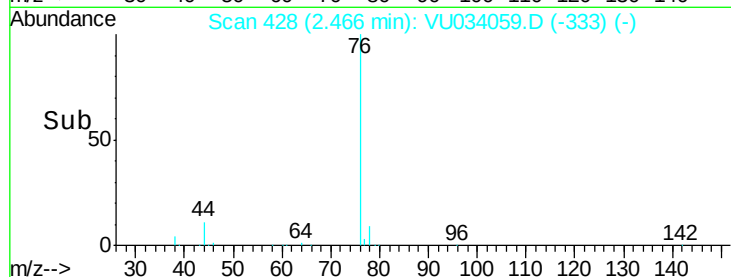
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.312 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034059.D

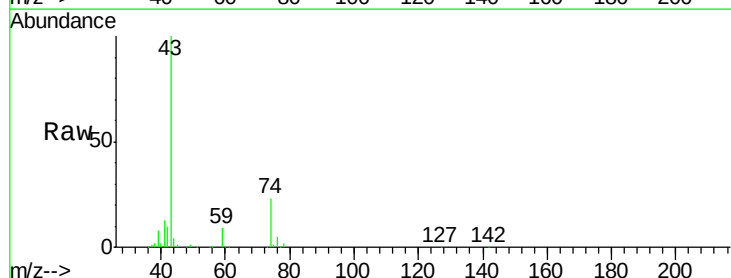
Acq: 29 Aug 2019 14:07

Tgt Ion: 43 Resp: 131581

Ion Ratio Lower Upper

43 100

74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-452) (-)

Ion 74.00 (73.70 to 74.70): VU034018.D (-452) (-)

2.60

80000

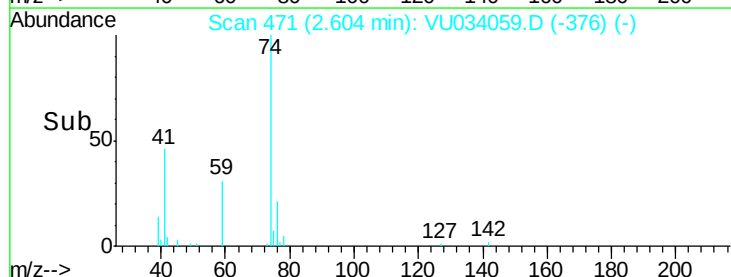
60000

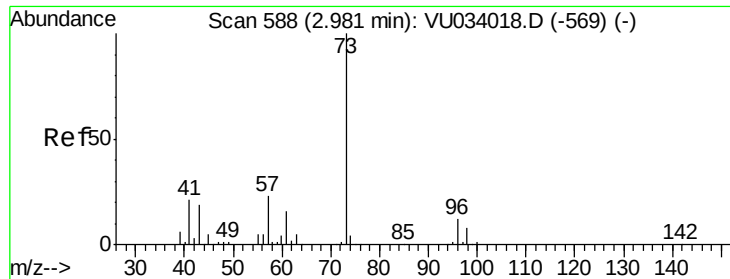
40000

20000

0

Time-->





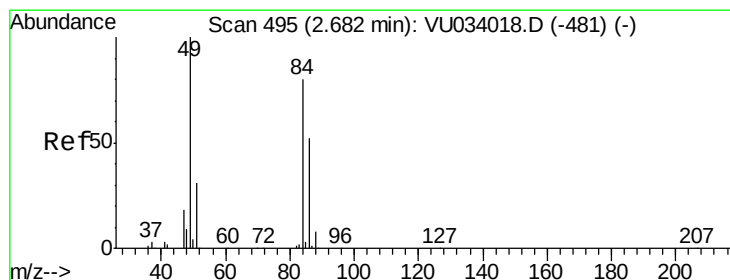
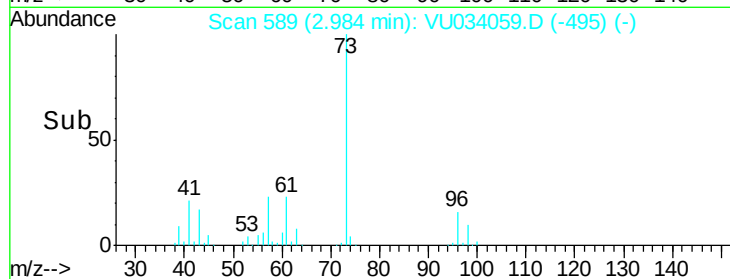
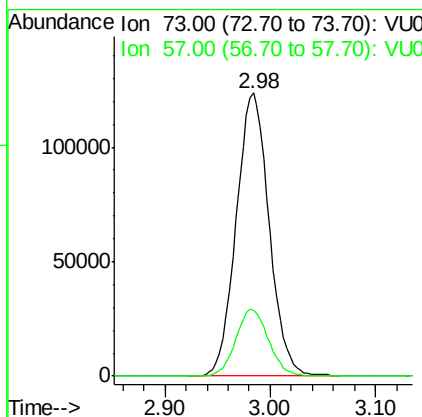
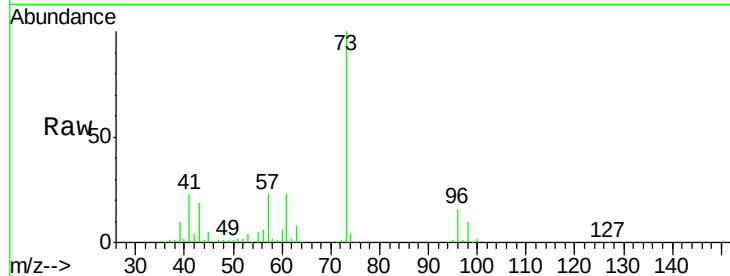
#19
Methyl tert-butyl Ether
Concen: 20.290 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampled :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.3	27.5

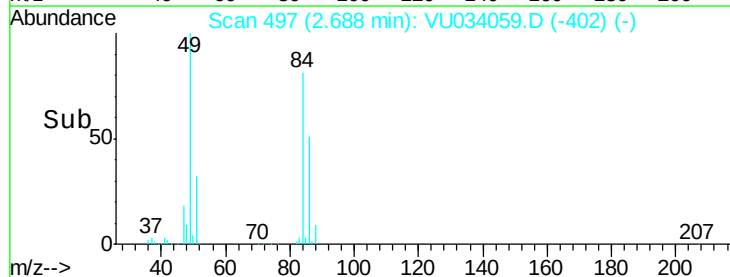
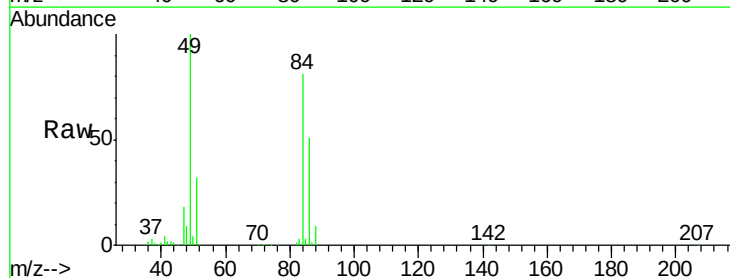
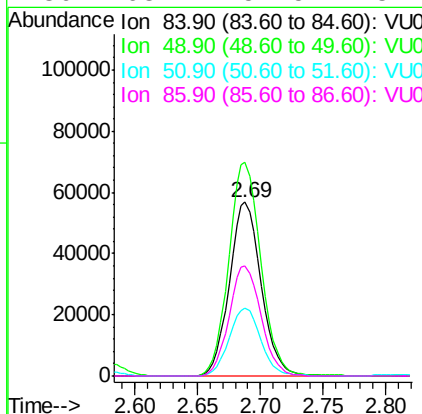
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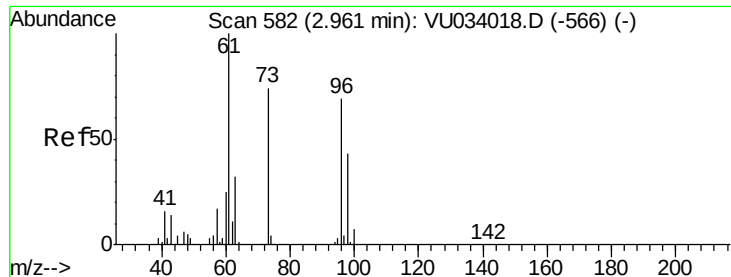
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#20
Methylene Chloride
Concen: 19.987 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	100.2	150.4
51	39.0	30.8	46.2
86	63.1	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.324 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

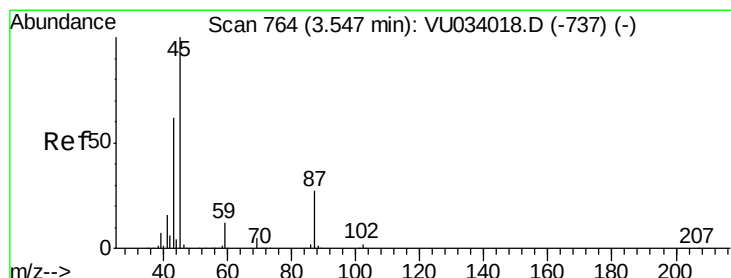
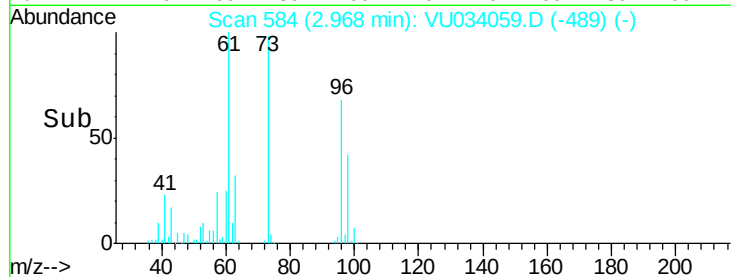
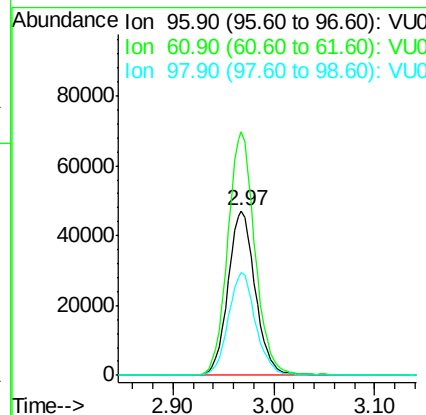
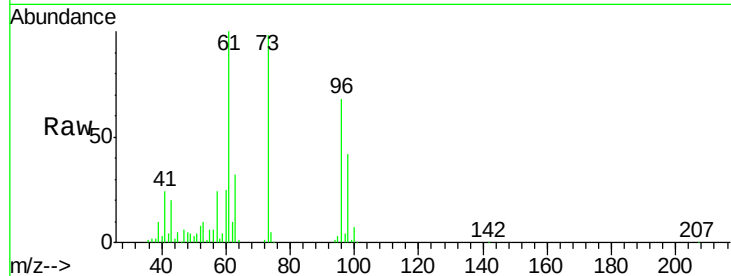
ClientSampleId :

VU0830MBS01

Tot Ion:	96	Resp:	89051
Ion	Ratio	Lower	Upper
96	100		
61	148.0	115.5	173.3
98	62.6	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.957 ug/l

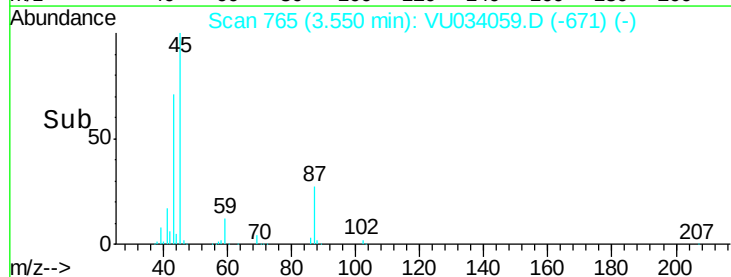
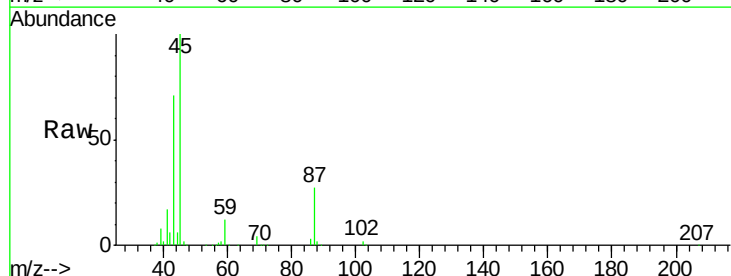
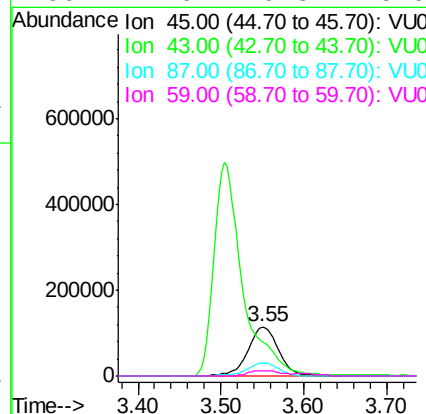
RT: 3.55 min Scan# 765

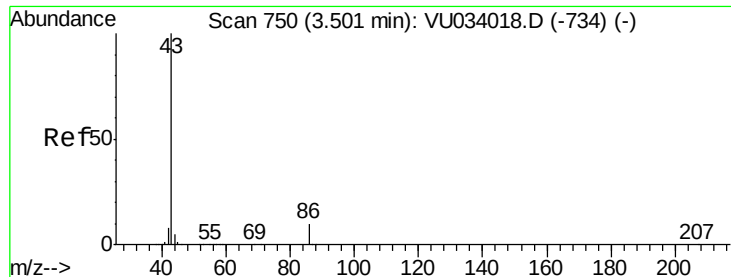
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	45	Resp:	291500
Ion	Ratio	Lower	Upper
45	100		
43	70.6	49.7	74.5
87	26.9	21.8	32.8
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 101.450 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 43 Resp: 1212192

Ion Ratio Lower Upper

43 100

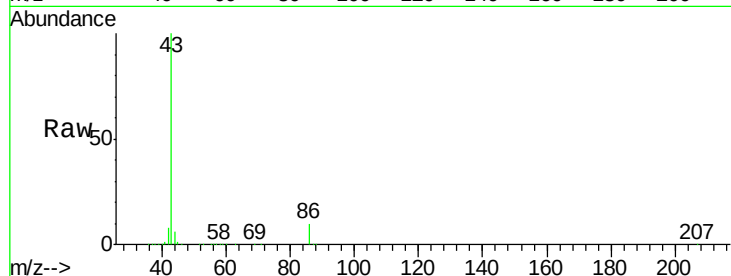
86 10.0 8.3 12.5

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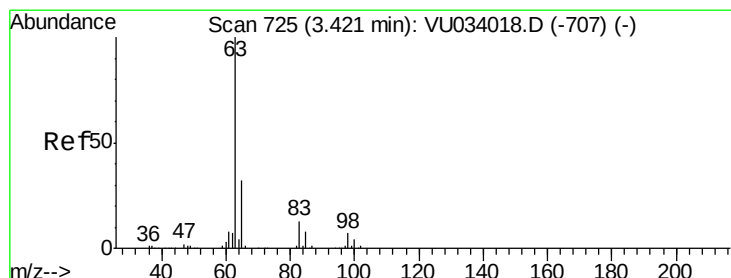
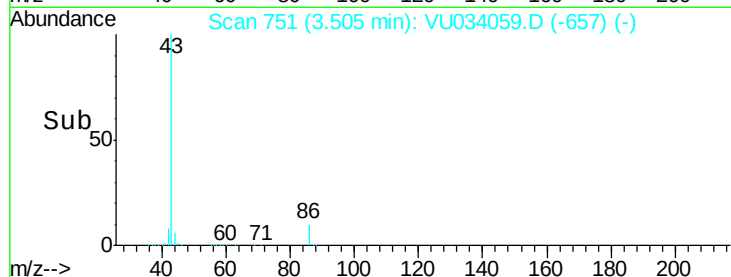
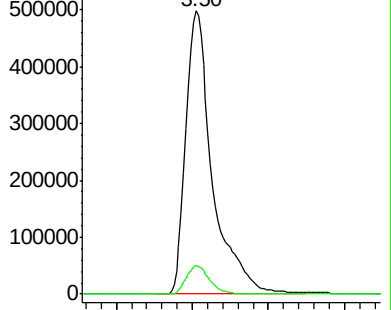
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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

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



#24

1,1-Dichloroethane

Concen: 20.818 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

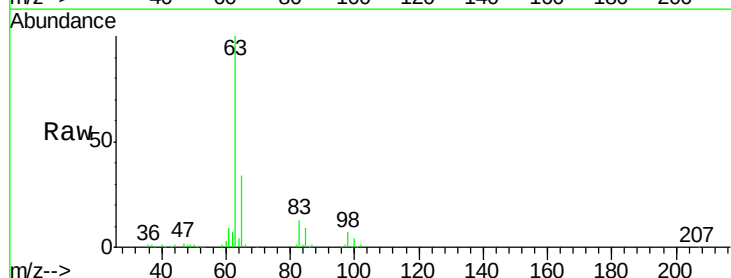
Tgt Ion: 63 Resp: 170961

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

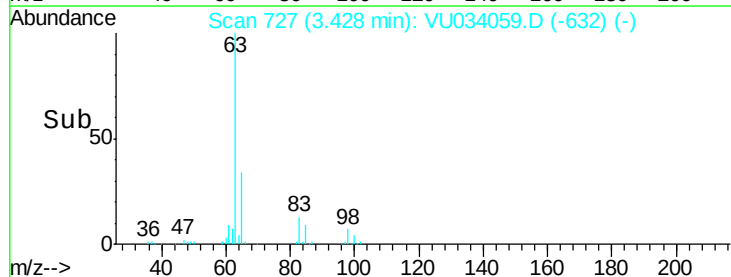
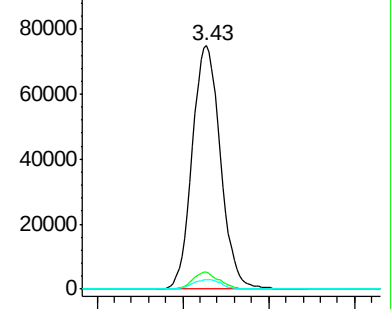
100 3.9 2.0 6.0

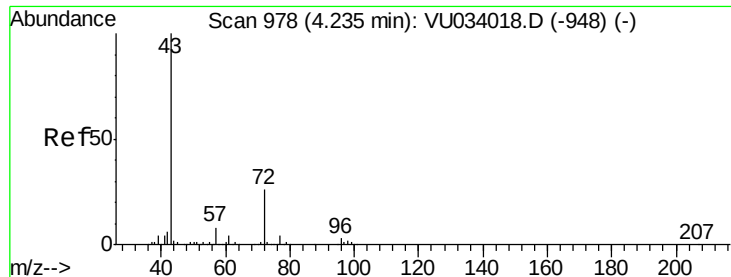


Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

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

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





#25

2-Butanone

Concen: 98.106 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 43 Resp: 359879

Ion Ratio Lower Upper

43 100

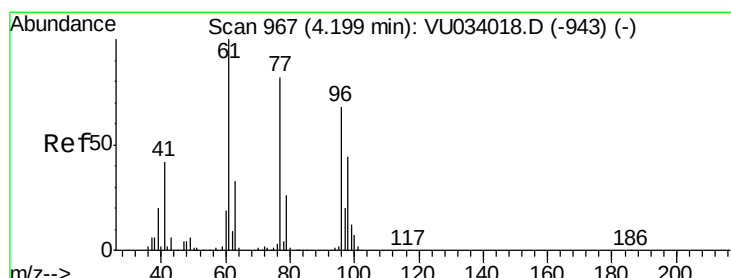
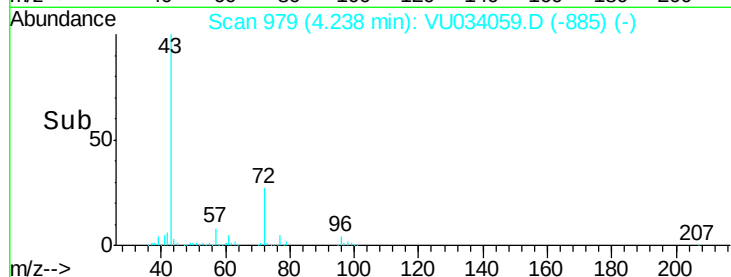
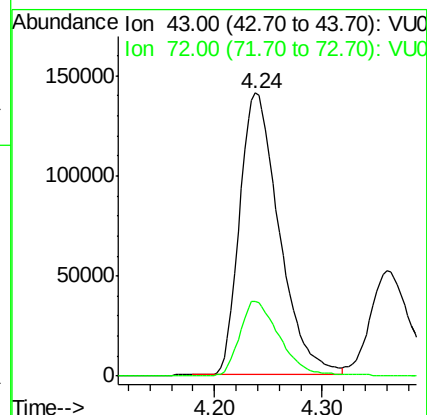
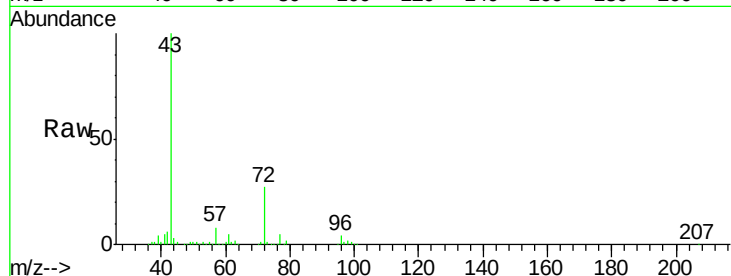
72 26.7 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.445 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034059.D

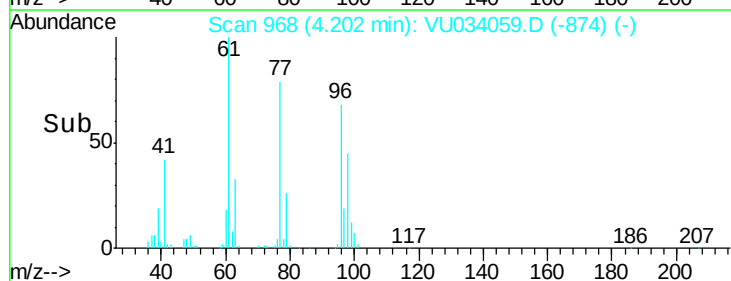
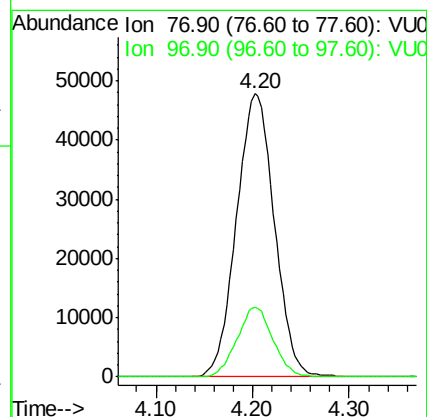
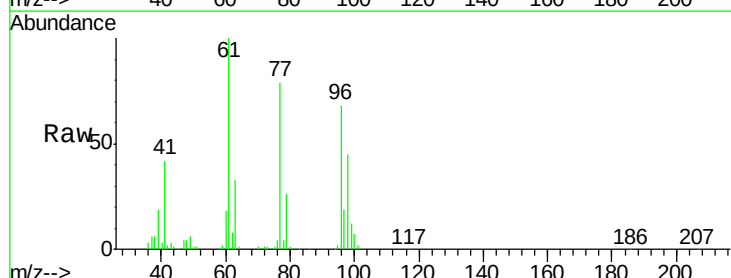
Acq: 29 Aug 2019 14:07

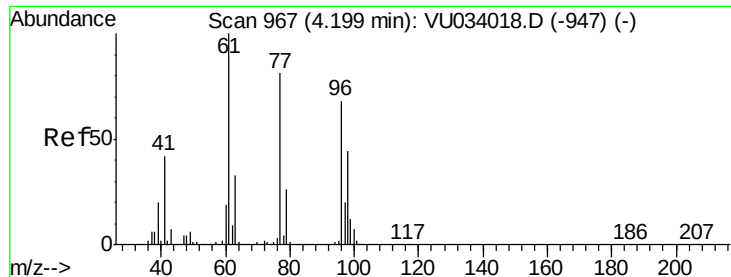
Tgt Ion: 77 Resp: 129932

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

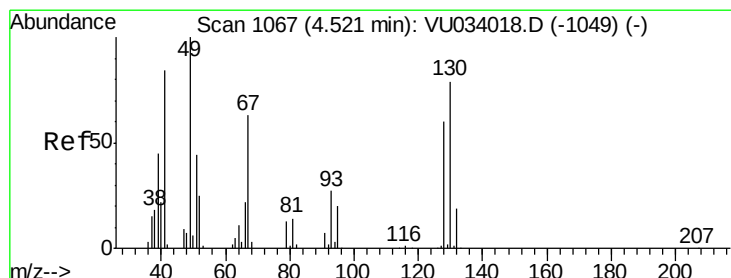
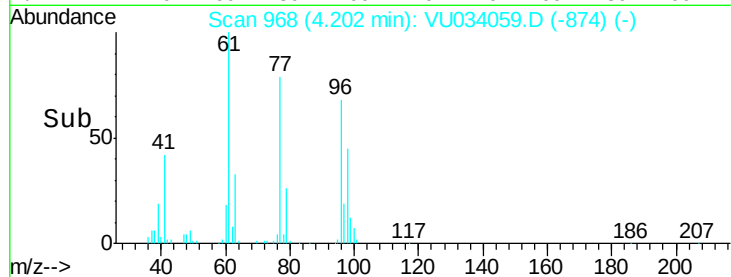
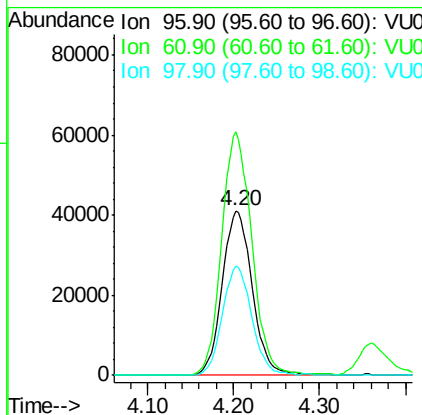
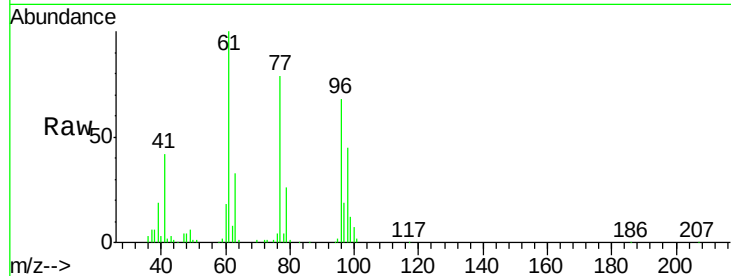
cis-1,2-Dichloroethene
 Concen: 20.356 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.0	0.0	303.0	
98	64.7	0.0	129.2	

Manual Integrations
 APPROVED

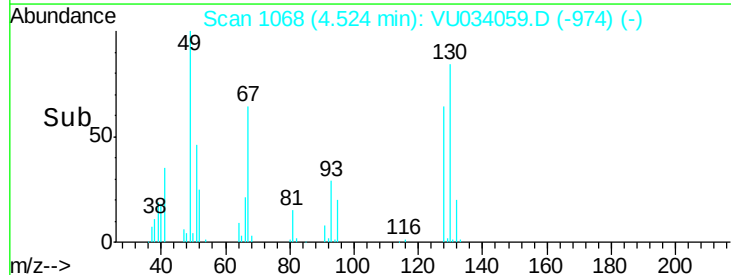
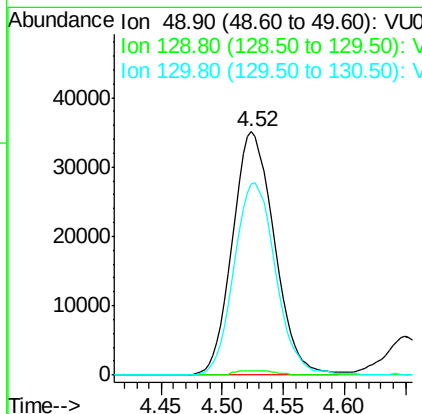
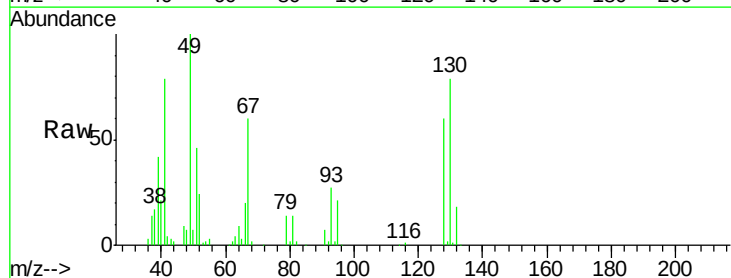
MMDadoda
 8/30/2019 12:52:55 PM

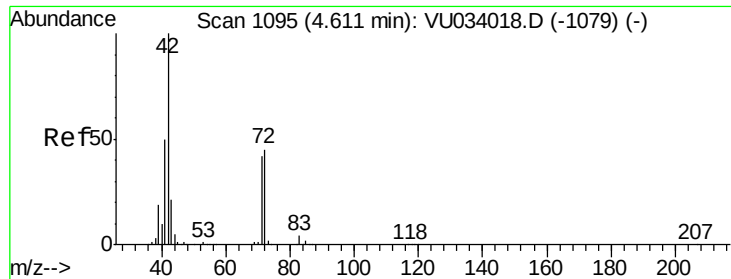


#28

Bromochloromethane
 Concen: 20.680 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	78.5	62.8	94.2	





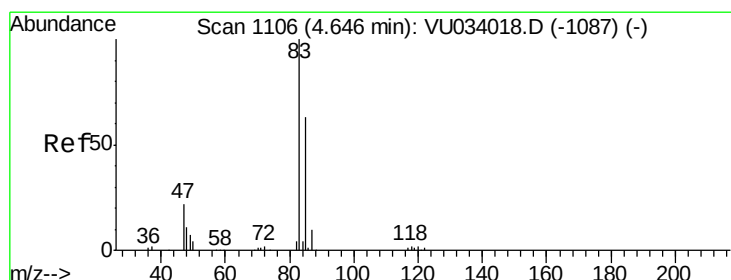
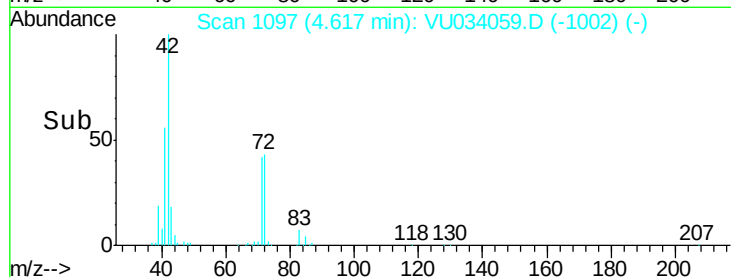
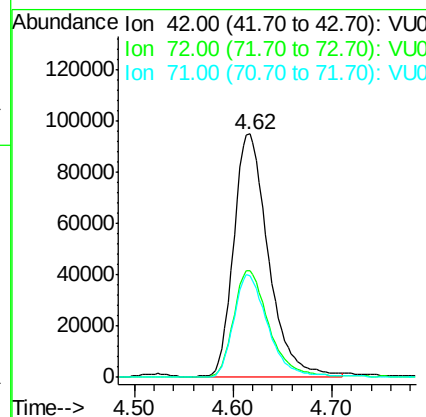
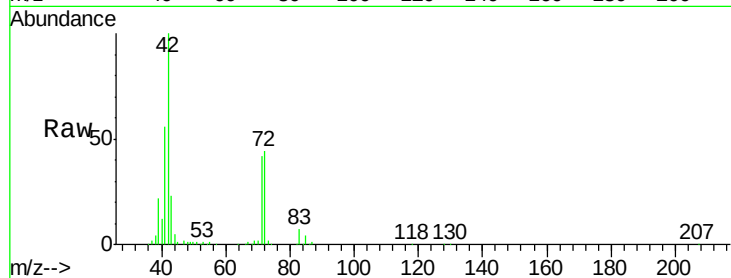
#29
Tetrahydrofuran
Concen: 102.056 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.8	53.6
71	42.2	34.0	51.0

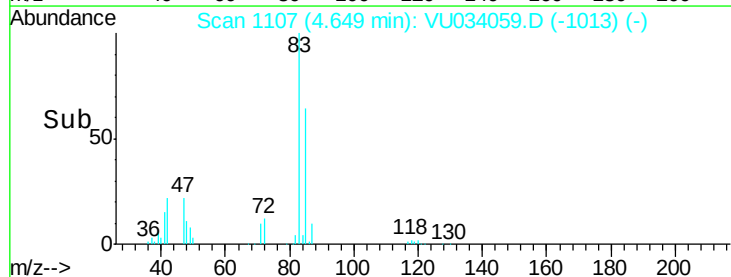
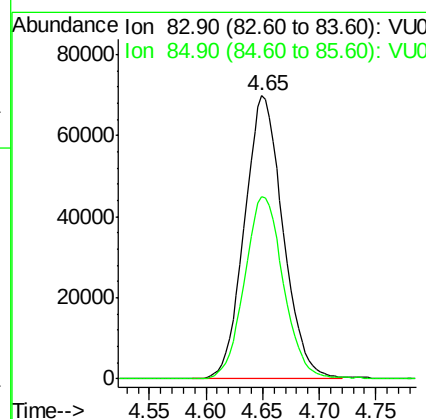
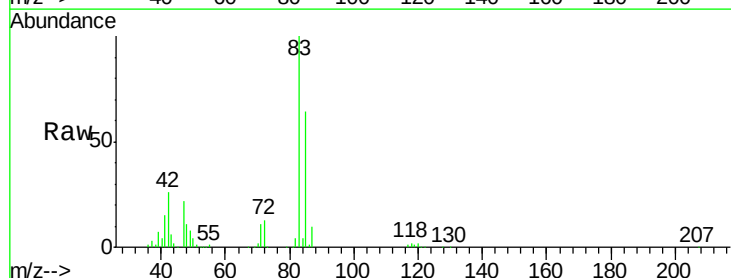
Manual Integrations
APPROVED

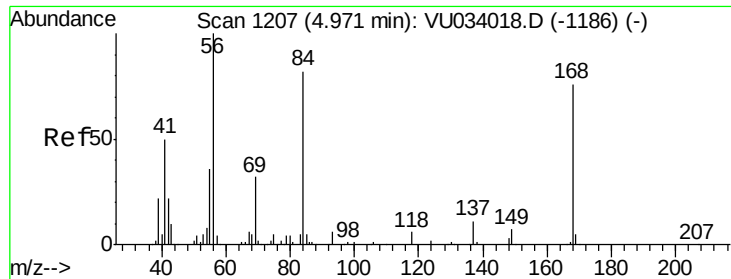
MMDadoda
8/30/2019 12:52:55 PM



#30
Chloroform
Concen: 20.188 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.7	76.1





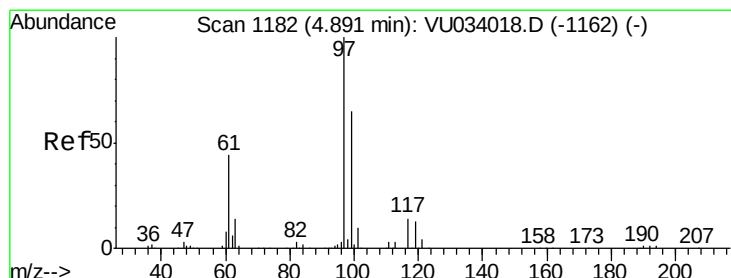
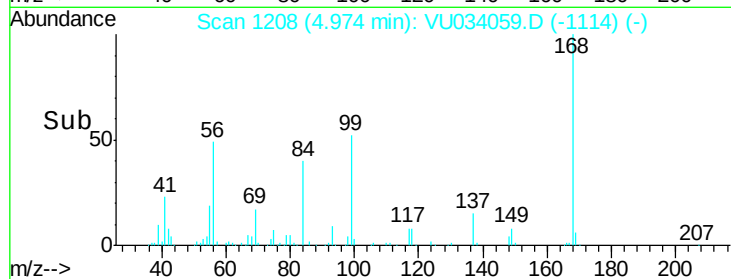
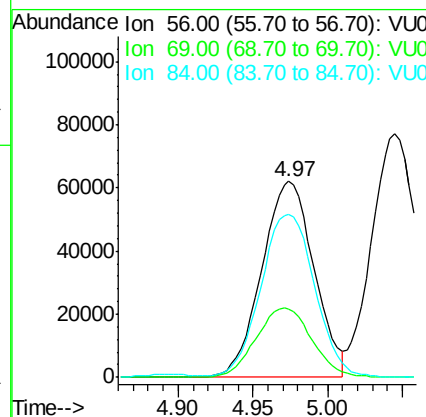
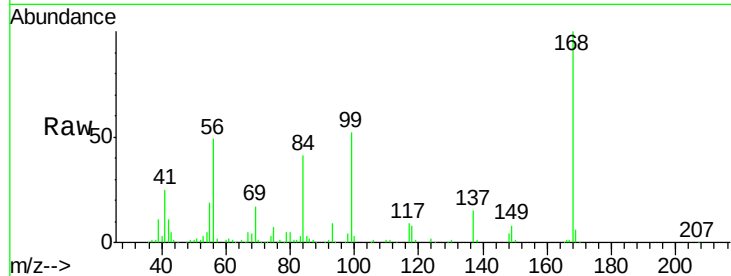
#31
Cyclohexane
Concen: 19.494 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.4	38.0
84	82.3	65.8	98.8

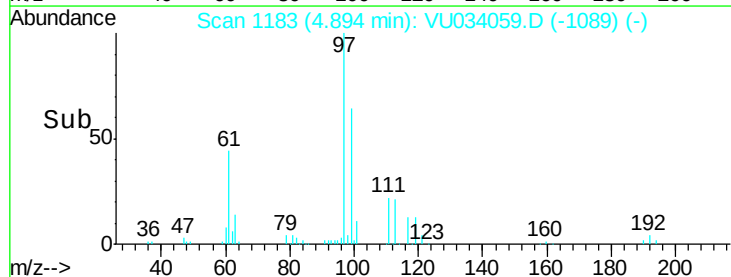
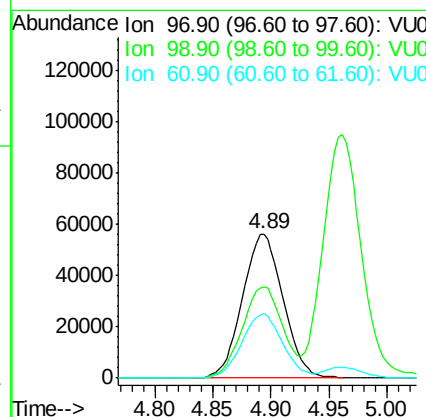
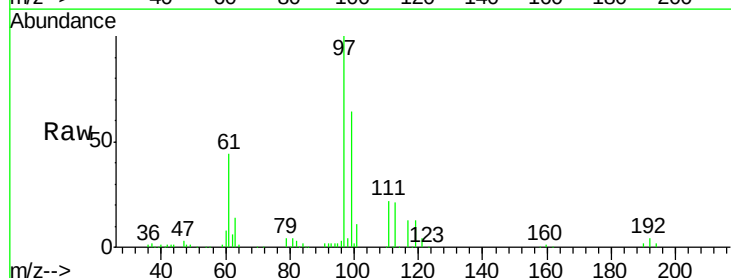
Manual Integrations
APPROVED

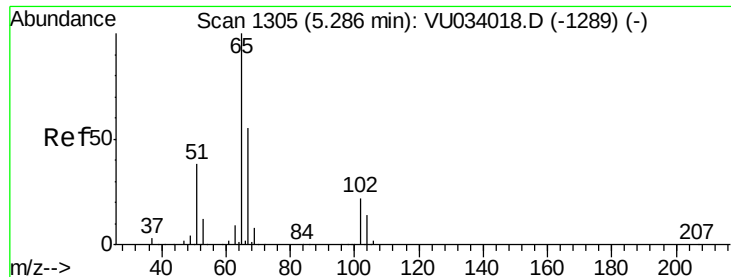
MMDadoda
8/30/2019 12:52:55 PM



#32
1,1,1-Trichloroethane
Concen: 20.396 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	44.7	35.3	52.9





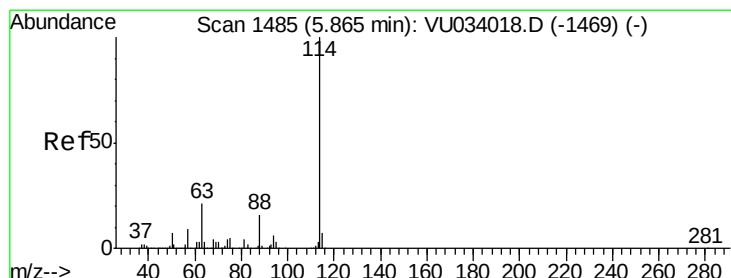
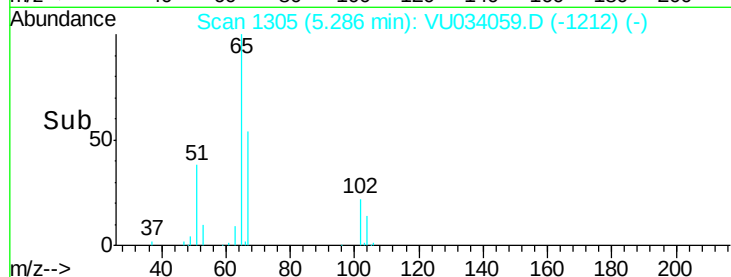
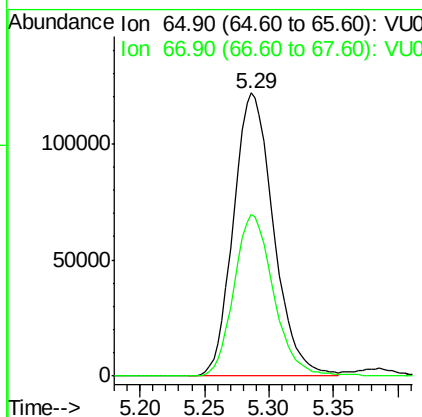
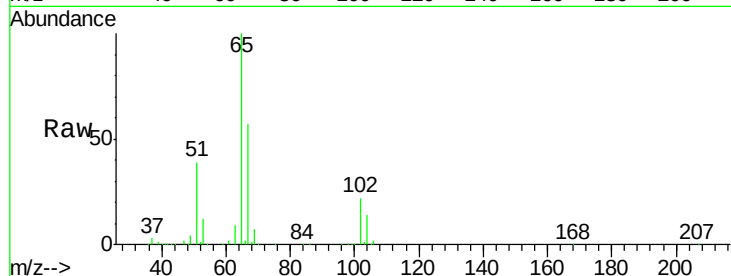
#33
 1,2-Dichloroethane-d4
 Concen: 50.958 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampled :
 VU0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263324		
67	56.3	0.0	110.6	

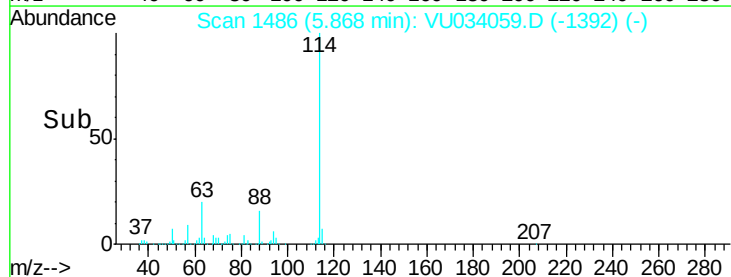
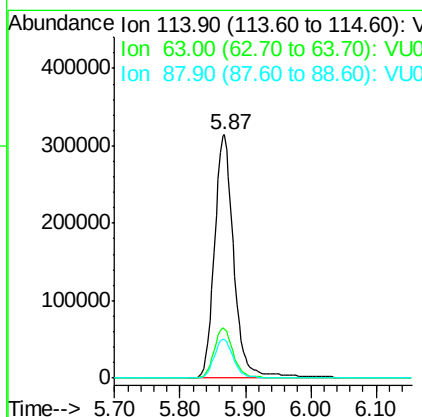
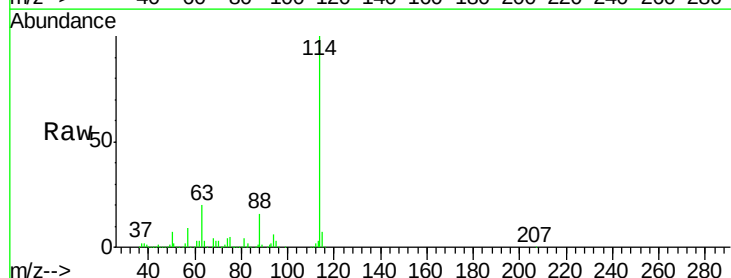
Manual Integrations
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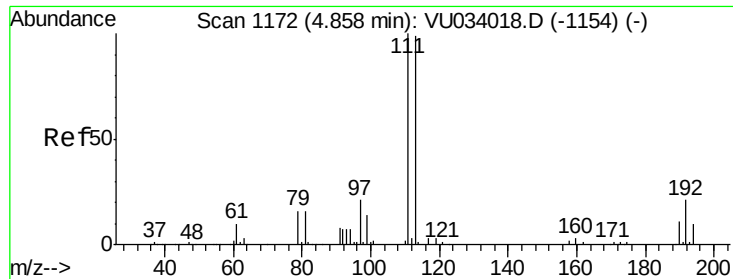
MMDadoda
 8/30/2019 12:52:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	651283		
63	20.1	0.0	42.0	
88	15.9	0.0	32.0	





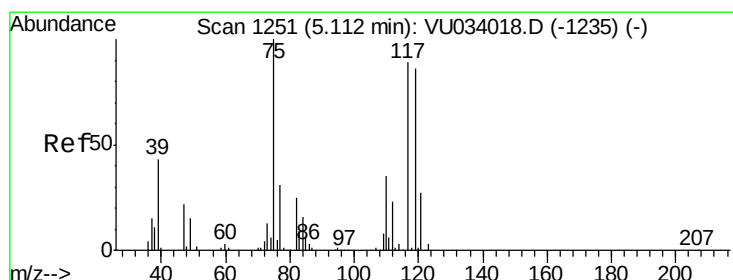
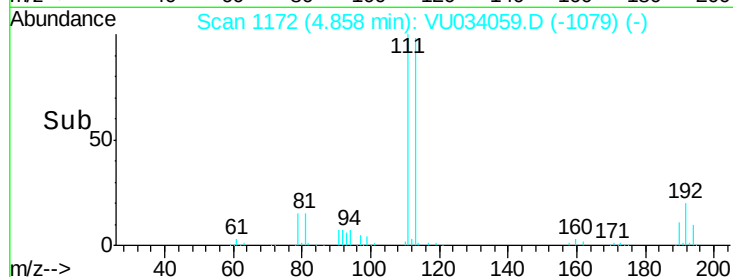
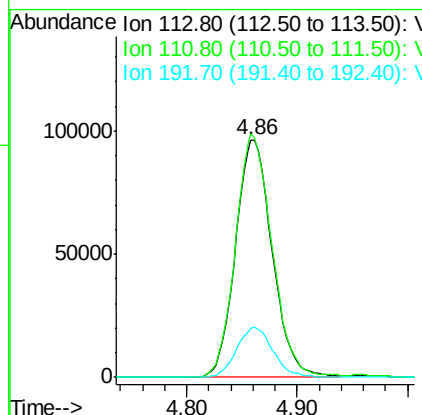
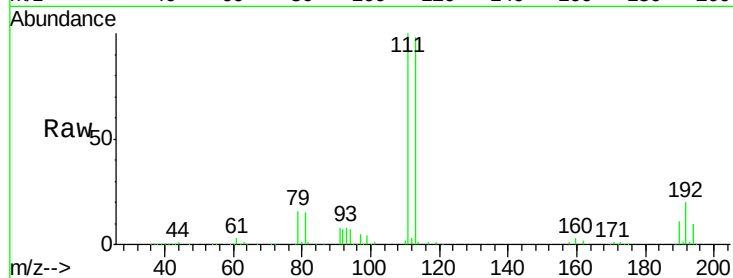
#35
 Dibromofluoromethane
 Concen: 49.287 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222641		
111	101.9	81.7	122.5	
192	21.0	17.1	25.7	

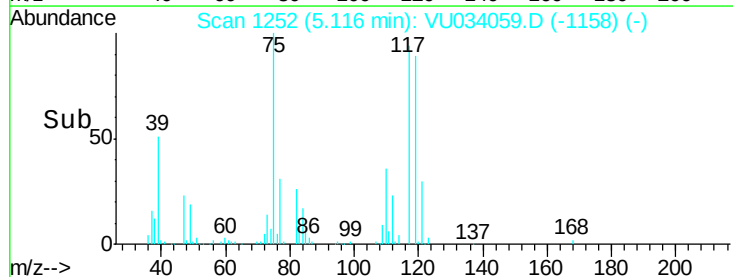
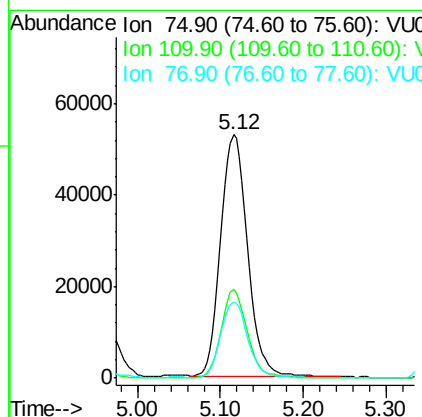
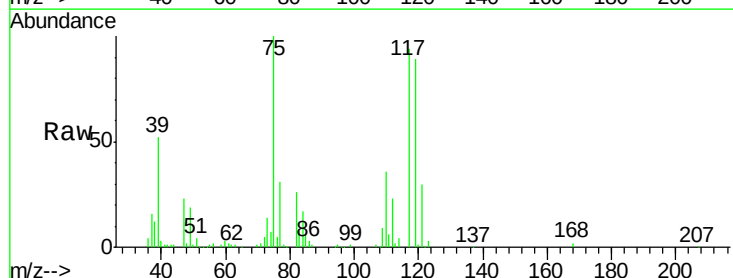
Manual Integrations
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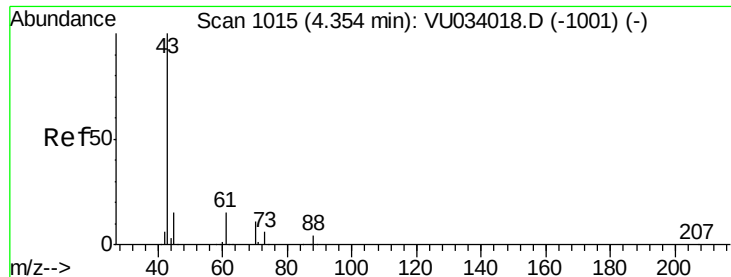
MMDadoda
 8/30/2019 12:52:55 PM



#36
 1,1-Dichloropropene
 Concen: 19.473 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119958		
110	35.5	17.8	53.5	
77	30.9	25.0	37.4	





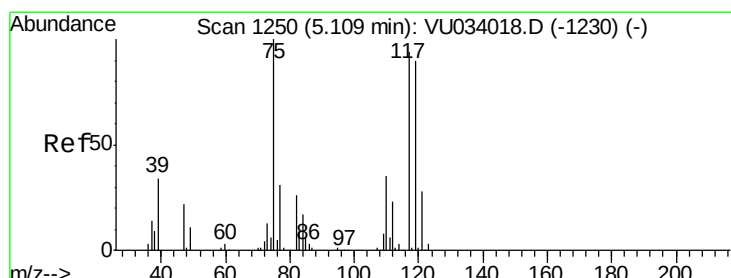
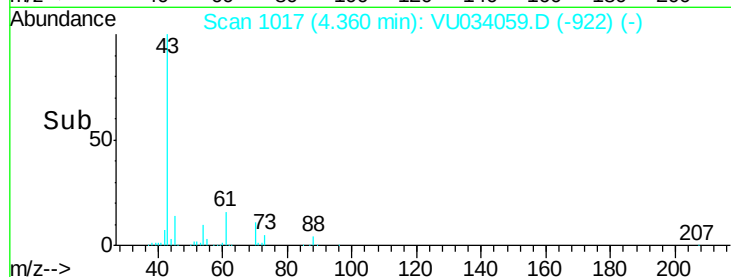
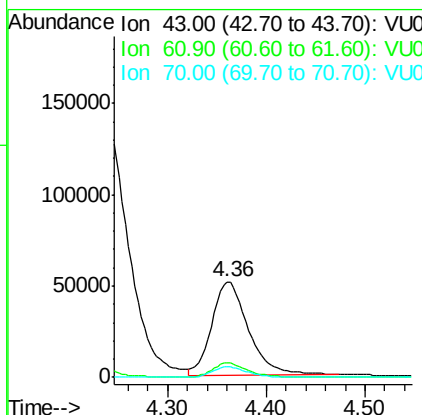
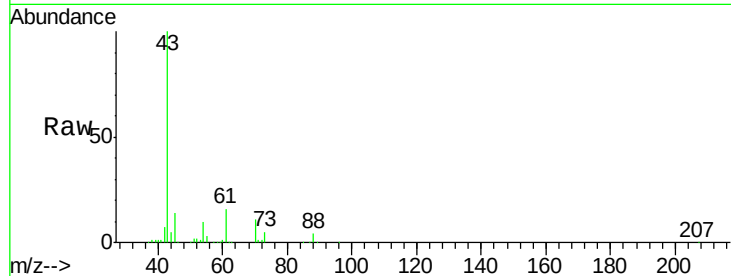
#37
Ethyl Acetate
Concen: 19.197 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	10.8	8.6	12.8

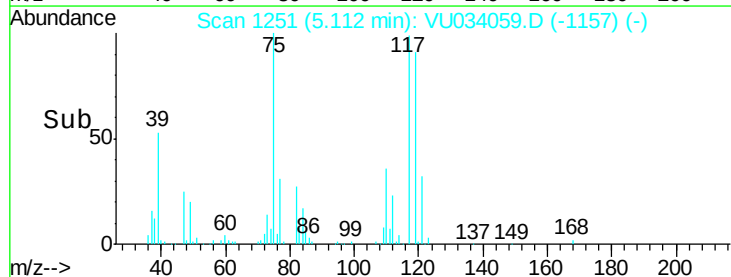
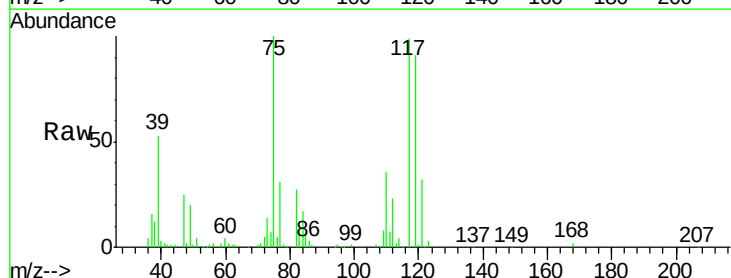
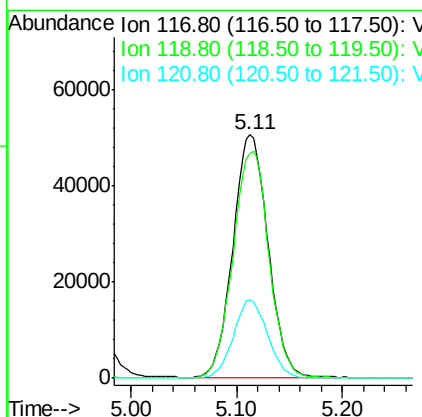
Manual Integrations
APPROVED

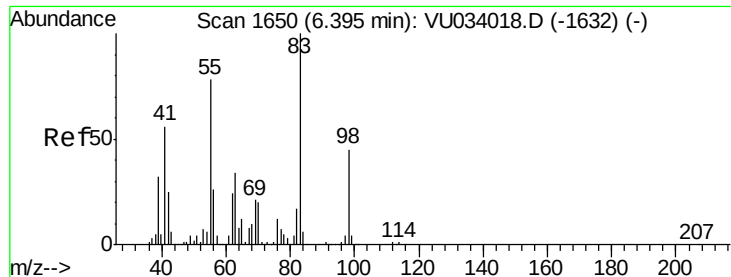
MMDadoda
8/30/2019 12:52:55 PM



#38
Carbon Tetrachloride
Concen: 19.553 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.0	115.4
121	32.6	23.9	35.9





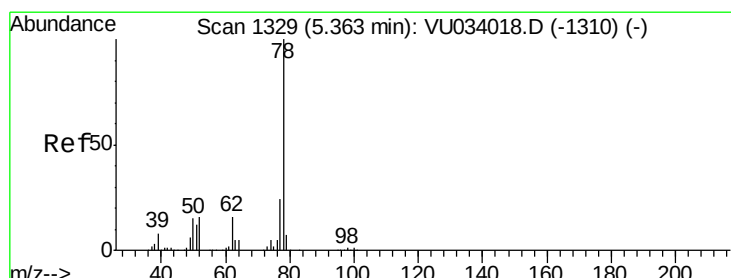
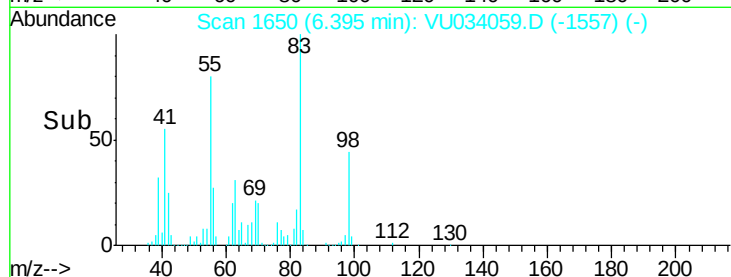
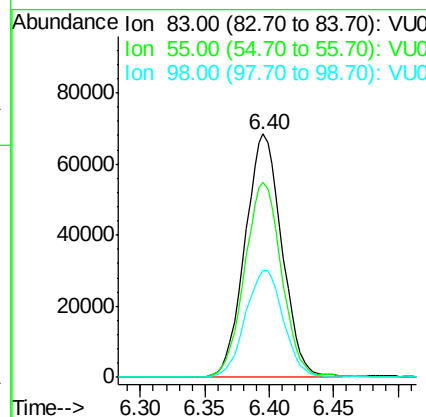
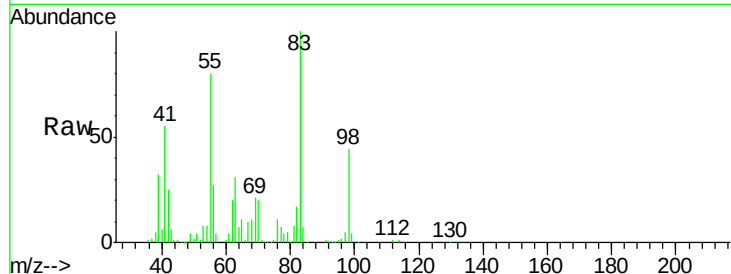
#39
Methylvlcyclohexane
Concen: 18.792 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	62.3	93.5
98	43.7	36.2	54.2

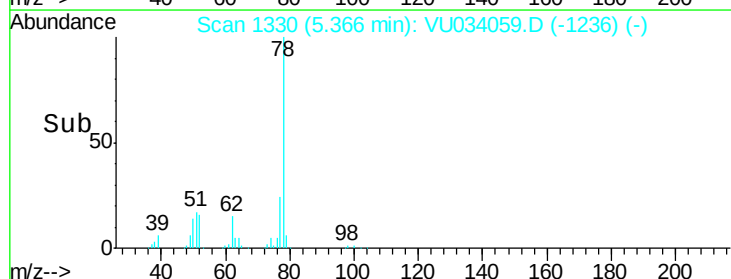
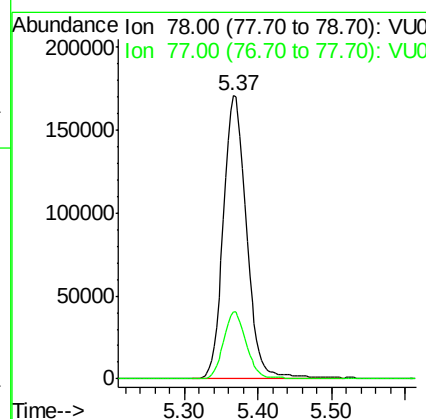
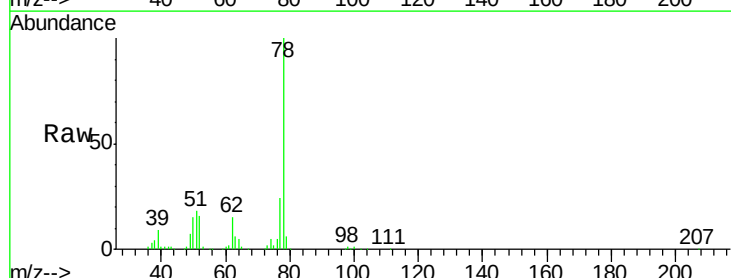
Manual Integrations
APPROVED

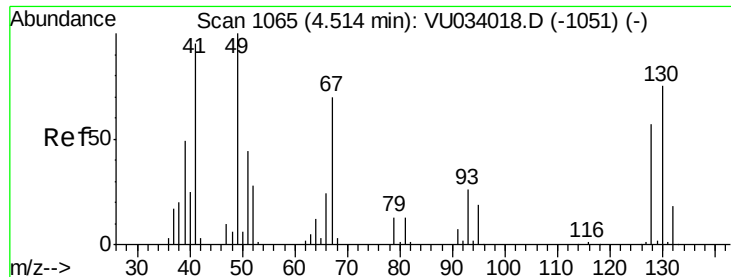
MMDadoda
8/30/2019 12:52:55 PM



#40
Benzene
Concen: 20.165 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 20.188 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 41 Resp: 71424

Ion Ratio Lower Upper

41 100

39 51.3 42.1 63.1

67 77.7 61.0 91.4

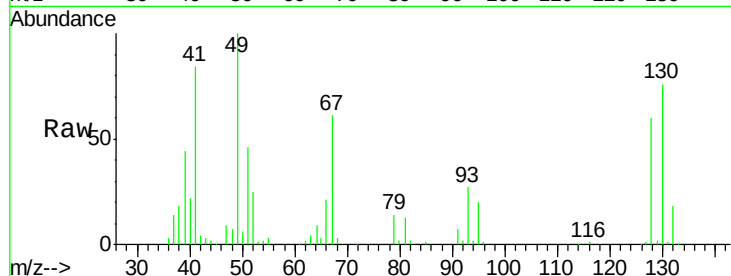
52 29.4 23.3 34.9

Manual Integrations

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MMDadoda

8/30/2019 12:52:55 PM



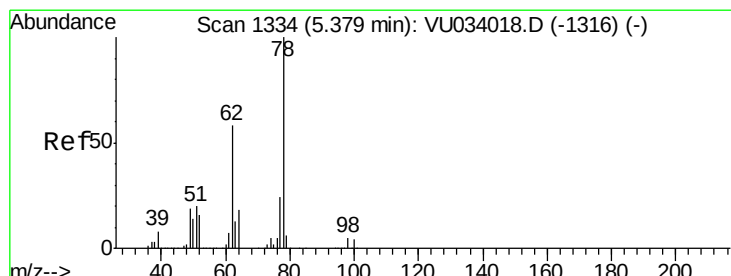
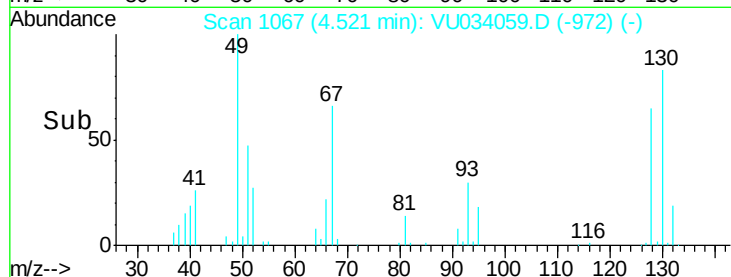
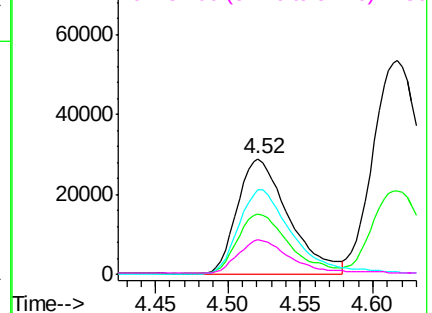
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 20.298 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU034059.D

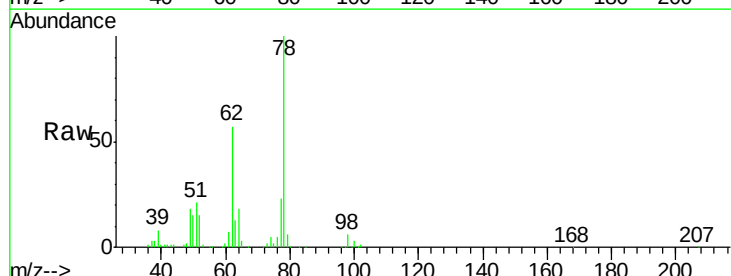
Acq: 29 Aug 2019 14:07

Tgt Ion: 62 Resp: 130642

Ion Ratio Lower Upper

62 100

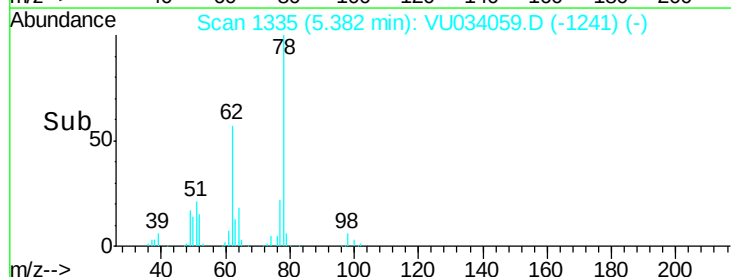
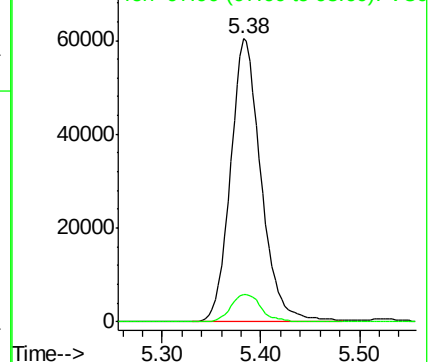
98 9.9 0.0 18.2

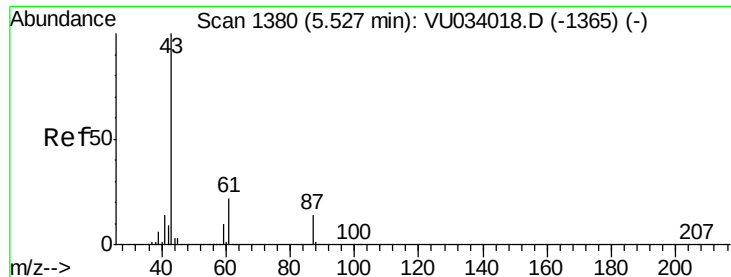


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 18.794 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

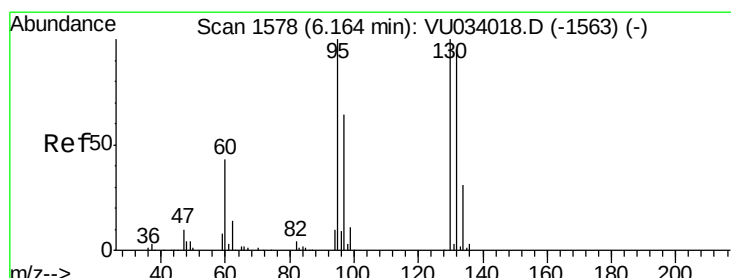
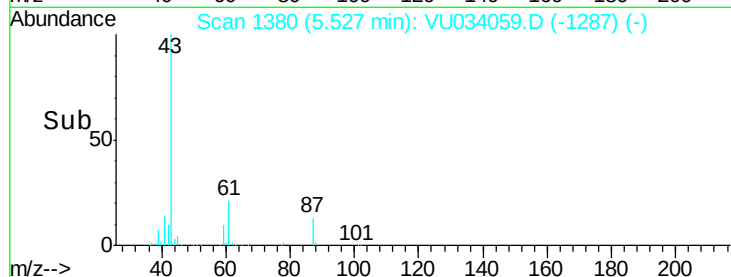
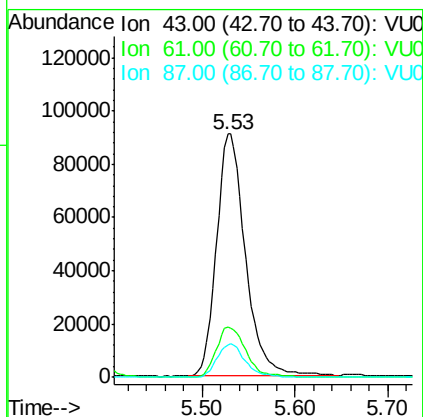
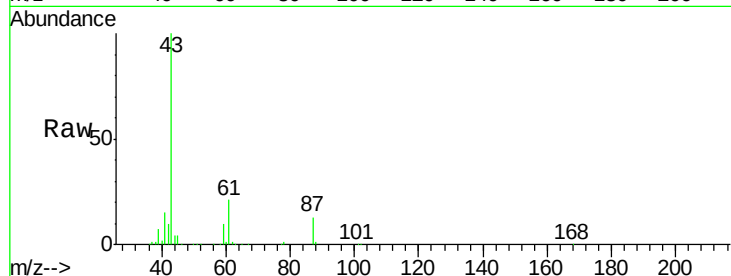
ClientSampleId :

VU0830MBS01

Tot Ion:	43	Resp:	197241
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	13.5	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.847 ug/l

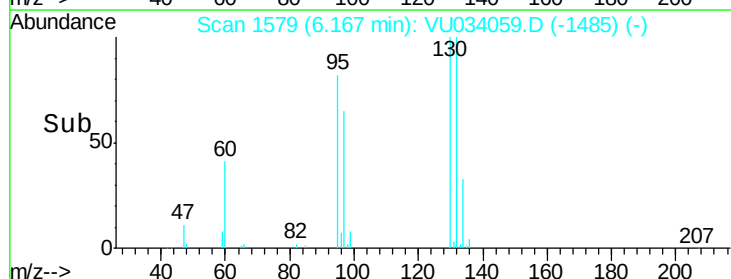
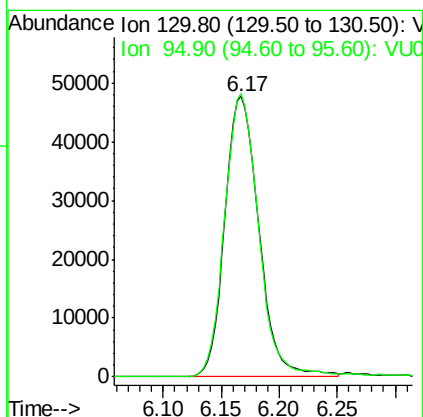
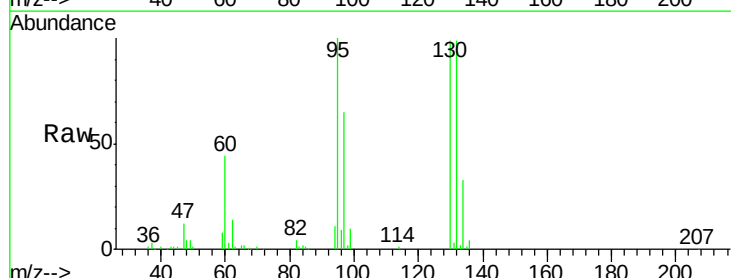
RT: 6.17 min Scan# 1579

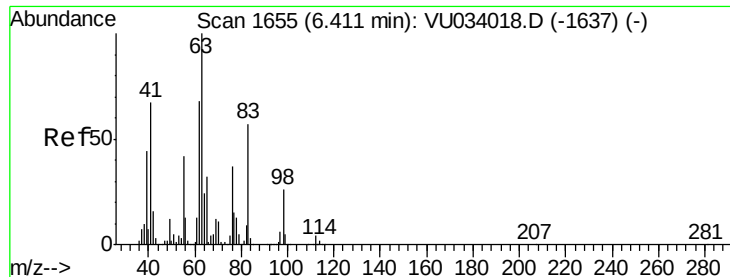
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	130	Resp:	97139
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	199.6





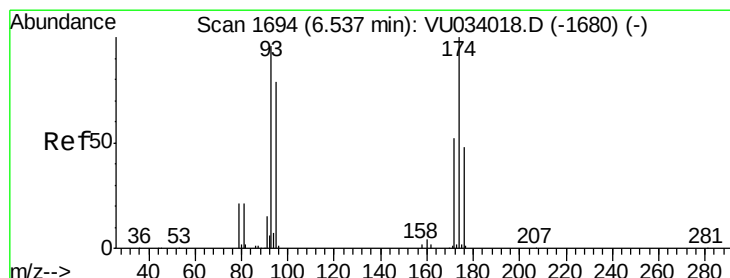
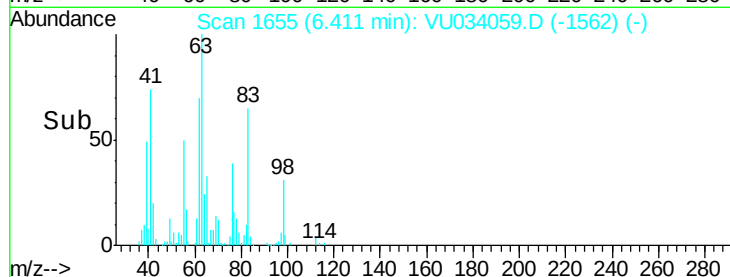
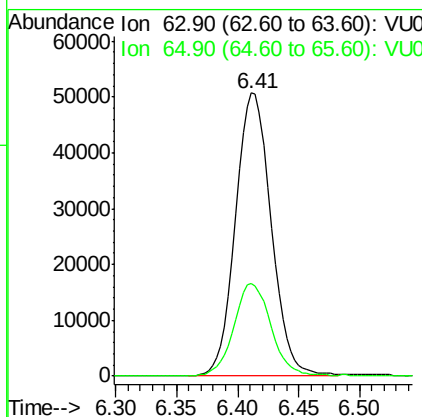
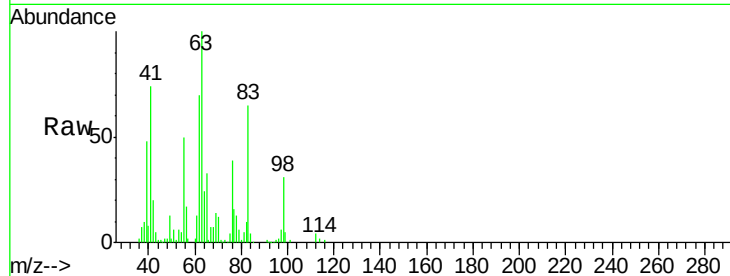
#45
 1,2-Dichloropropane
 Concen: 20.057 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	32.6	25.4	38.2	

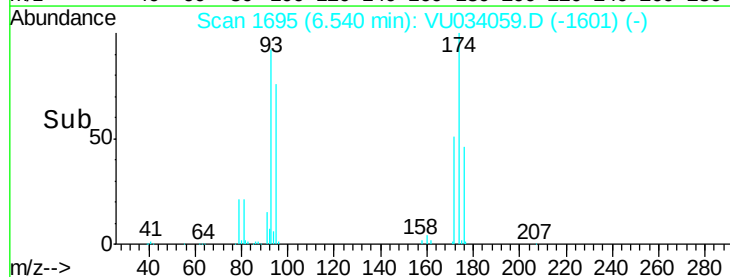
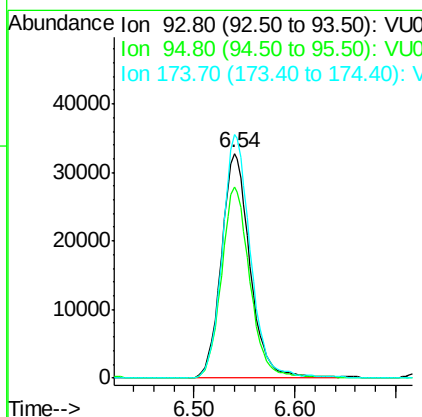
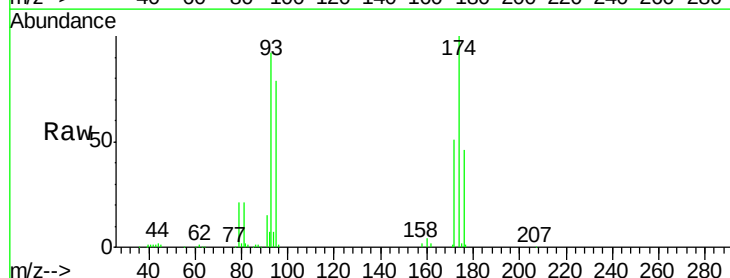
Manual Integrations
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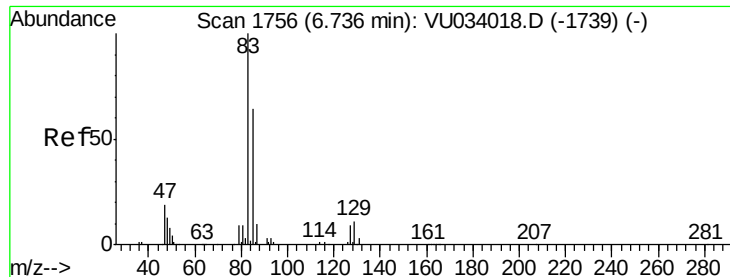
MMDadoda
 8/30/2019 12:52:55 PM



#46
 Dibromomethane
 Concen: 19.700 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	84.3	66.7	100.1	
174	105.5	84.9	127.3	





#47

Bromodichloromethane

Concen: 19.366 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

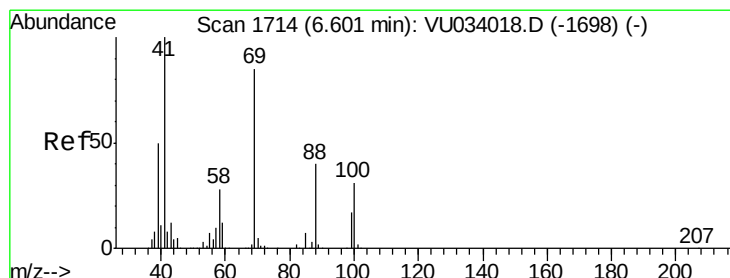
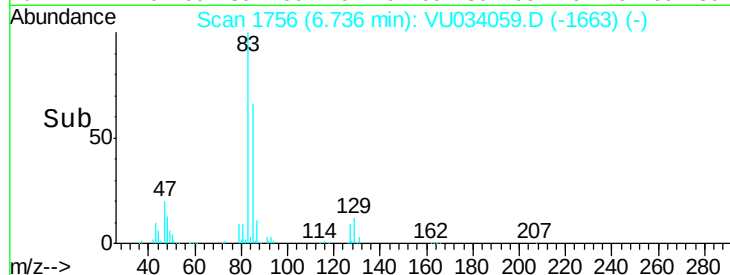
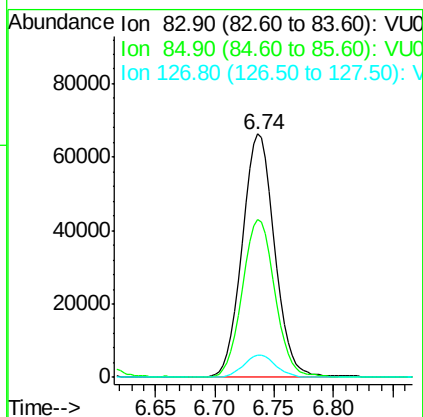
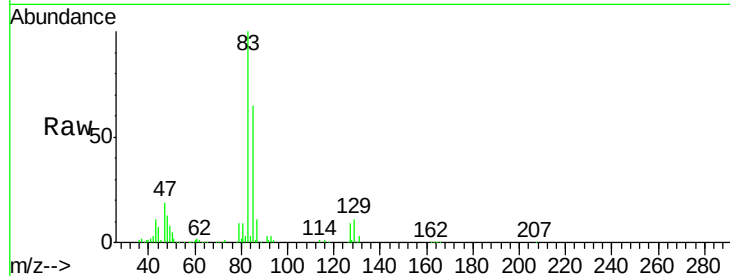
ClientSampleId :

VU0830MBS01

Tot Ion:	83	Resp:	125244
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.2	76.8
127	9.1	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.754 ug/l

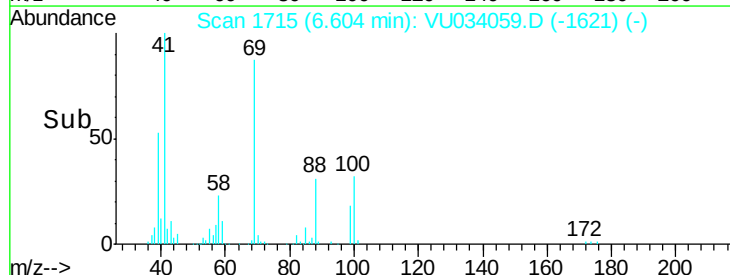
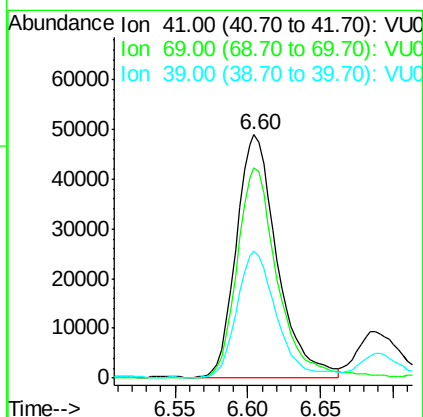
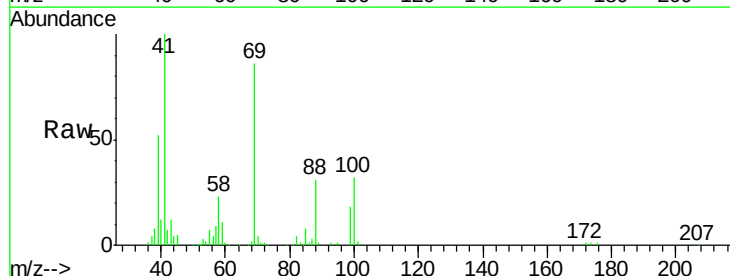
RT: 6.60 min Scan# 1715

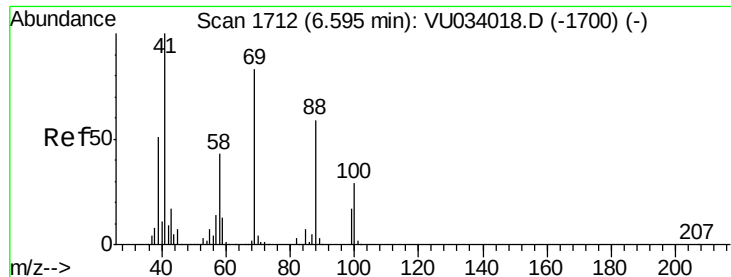
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	41	Resp:	94978
Ion	Ratio	Lower	Upper
41	100		
69	86.5	69.5	104.3
39	50.3	40.3	60.5





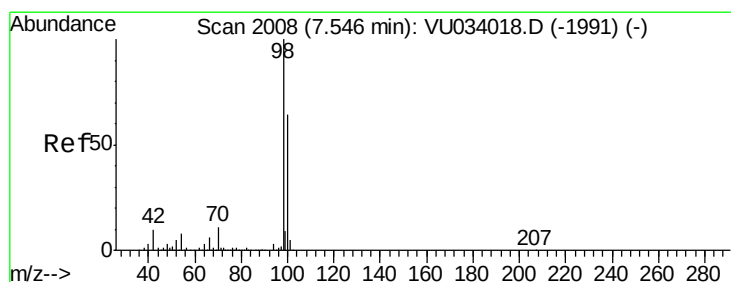
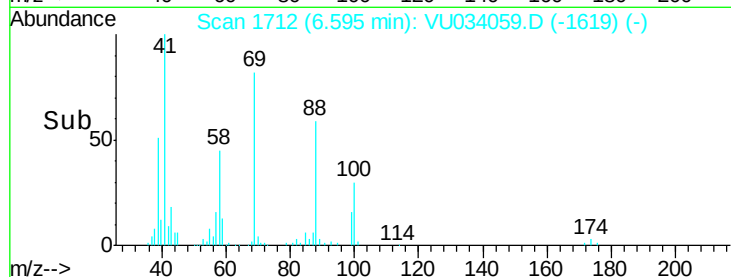
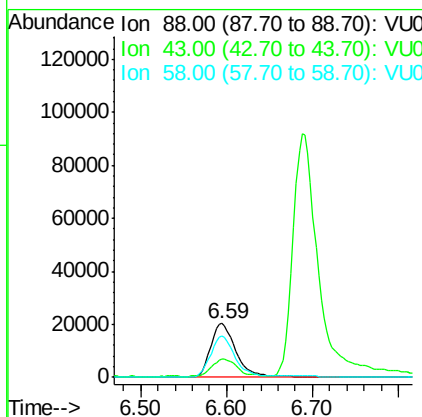
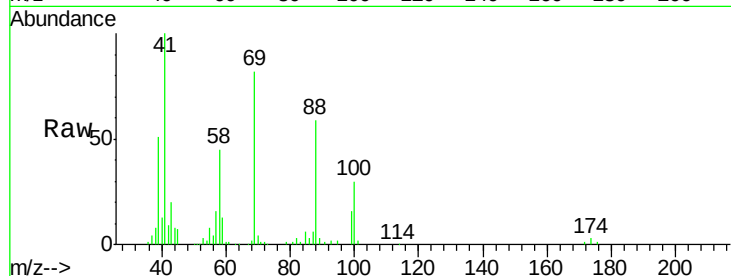
#49
1,4-Dioxane
Concen: 336.196 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.8	37.2
58	74.0	59.3	88.9

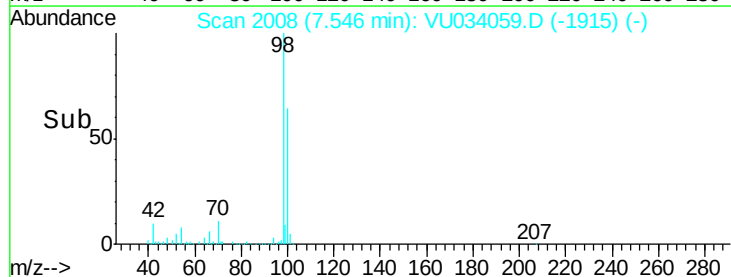
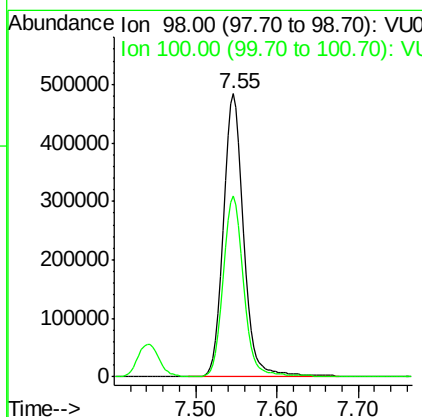
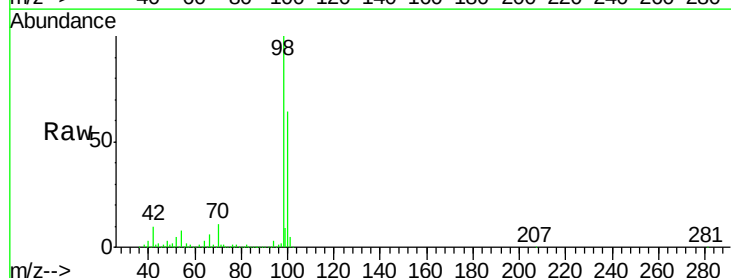
Manual Integrations
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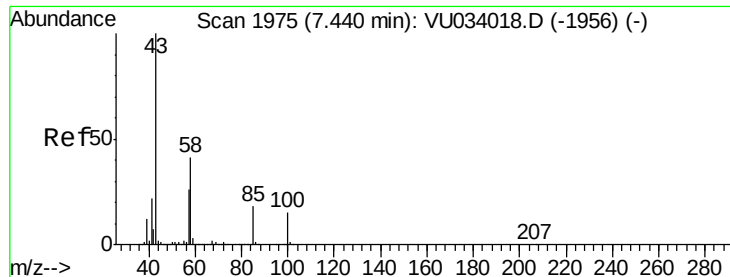
MMDadoda
8/30/2019 12:52:55 PM



#50
Toluene-d8
Concen: 50.672 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.3	75.5





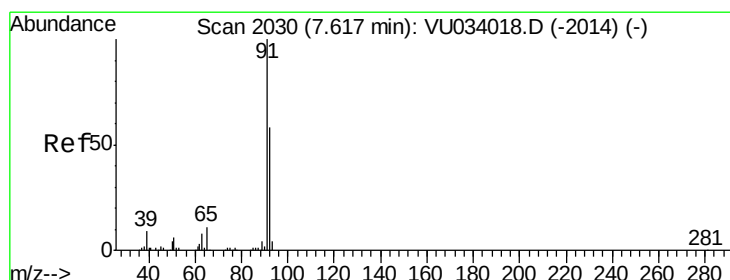
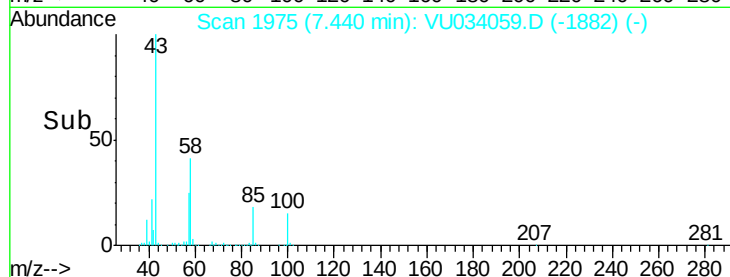
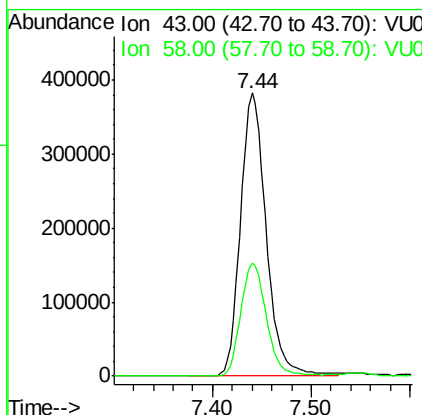
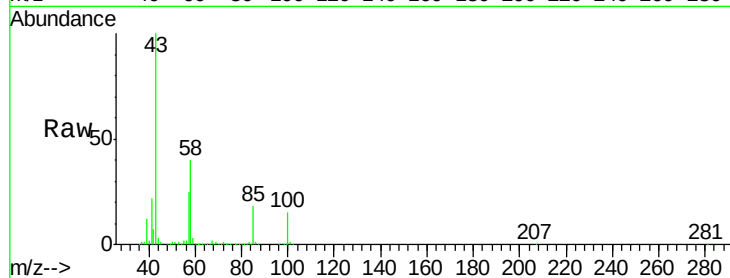
#51
4-Methyl-2-Pentanone
Concen: 94.837 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.2	48.4

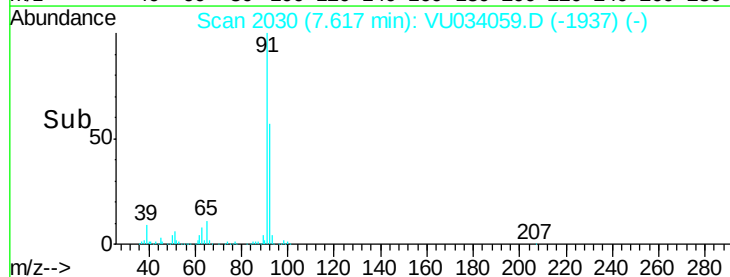
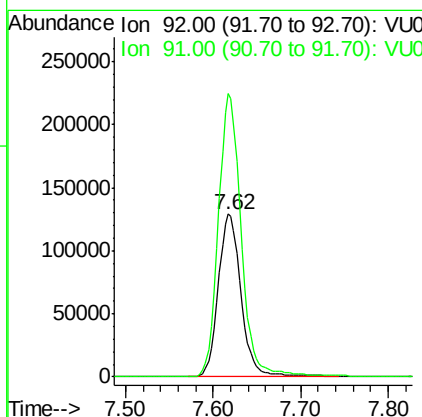
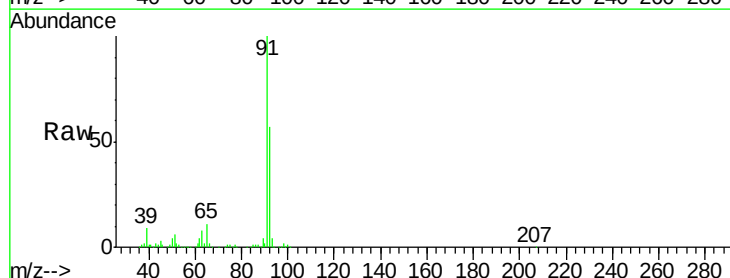
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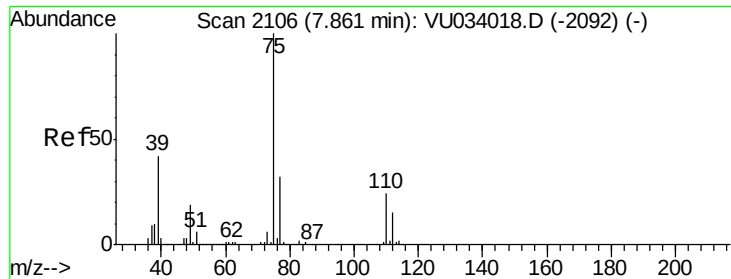
MMDadoda
8/30/2019 12:52:55 PM



#52
Toluene
Concen: 20.403 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.6	138.3	207.5





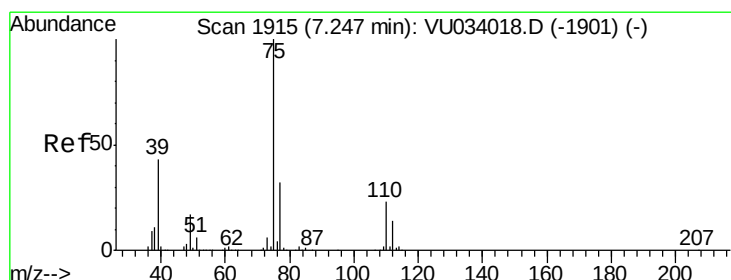
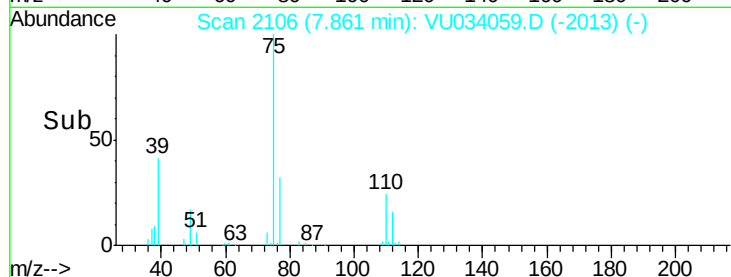
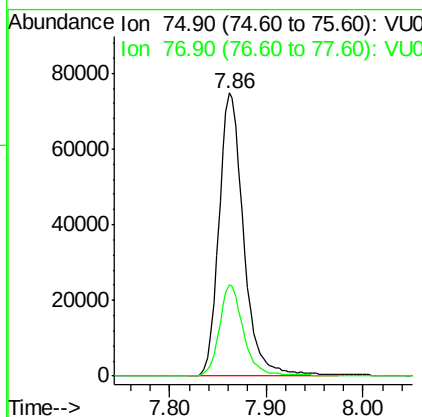
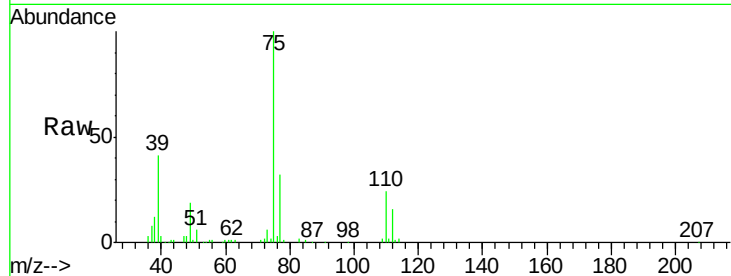
#53
t-1,3-Dichloropropene
Concen: 18.502 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion: 75 Resp: 132770
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0

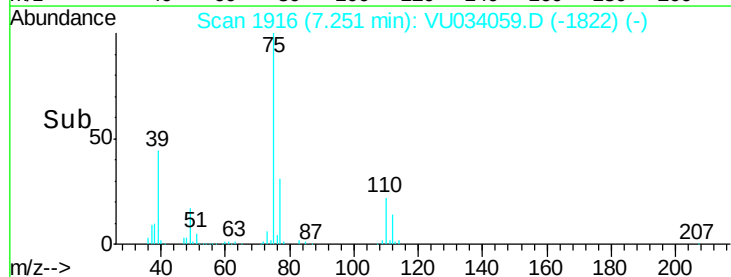
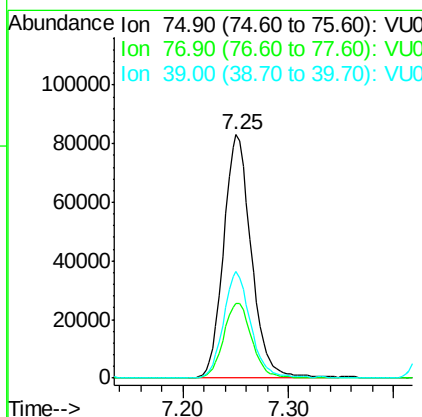
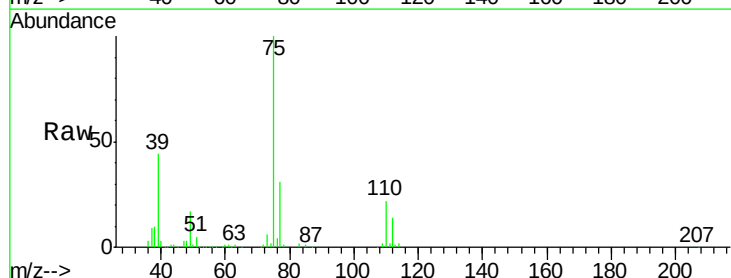
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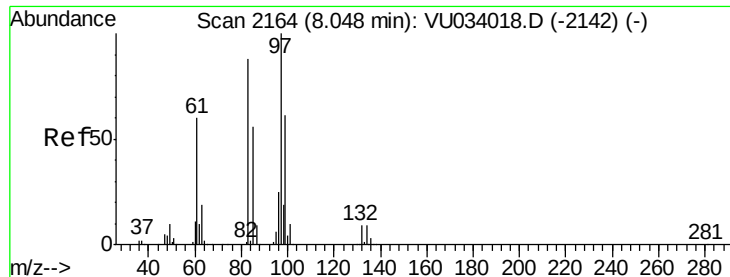
MMDadoda
8/30/2019 12:52:55 PM



#54
cis-1,3-Dichloropropene
Concen: 19.313 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion: 75 Resp: 151406
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 43.6 34.6 51.8





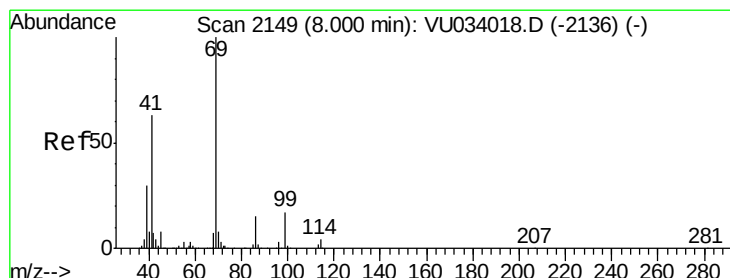
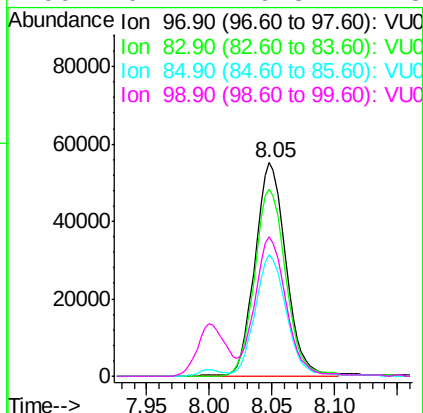
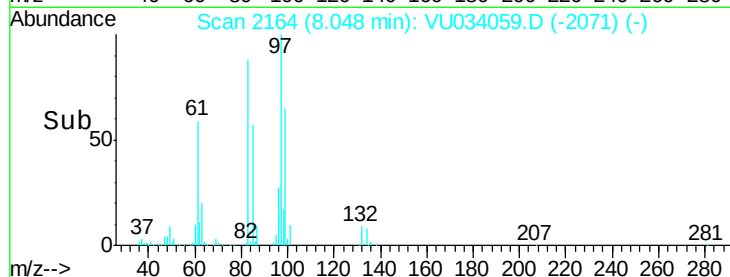
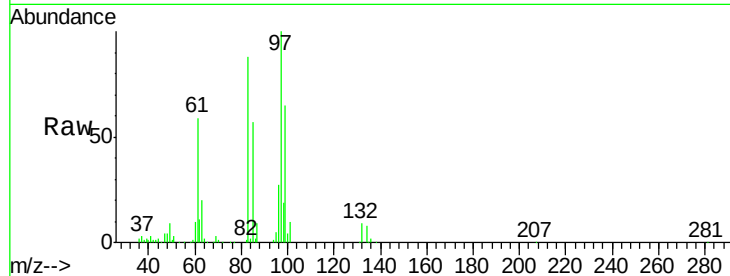
#55
 1,1,2-Trichloroethane
 Concen: 19.578 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		95084		
83	87.7	70.1	105.1		
85	56.3	45.0	67.4		
99	64.1	49.8	74.8		

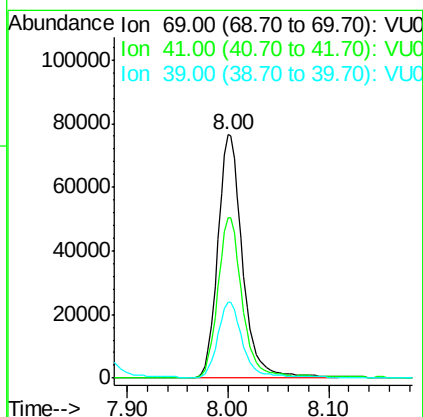
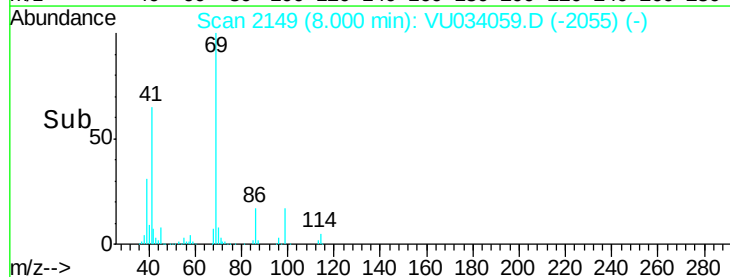
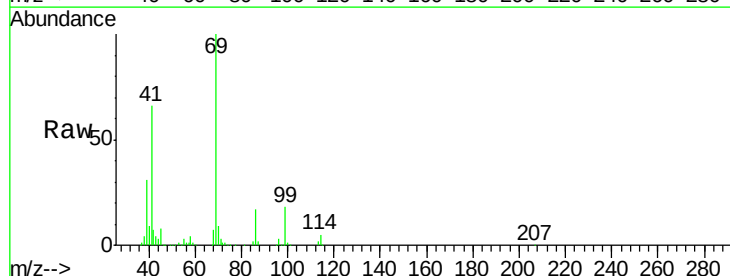
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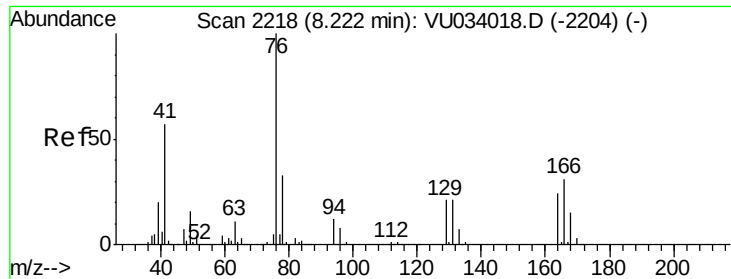
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#56
 Ethyl methacrylate
 Concen: 16.909 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		130930		
41	64.3	50.7	76.1		
39	30.7	24.2	36.2		





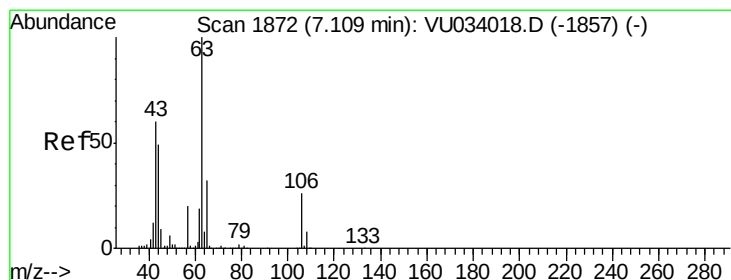
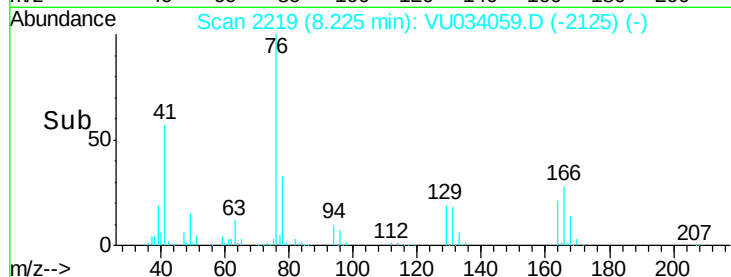
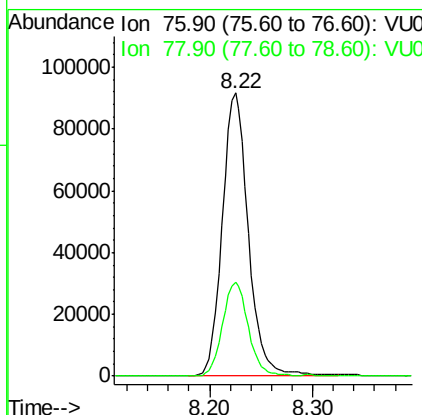
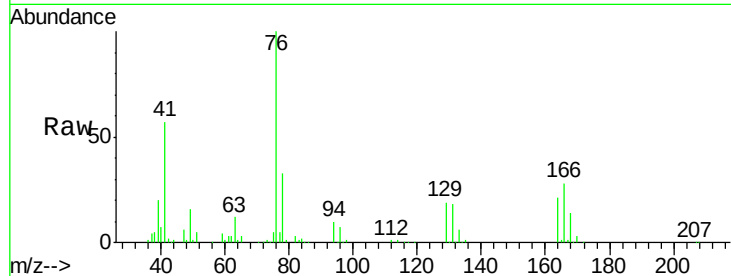
#57
 1,3-Dichloropropane
 Concen: 19.584 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion: 76 Resp: 161491
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4

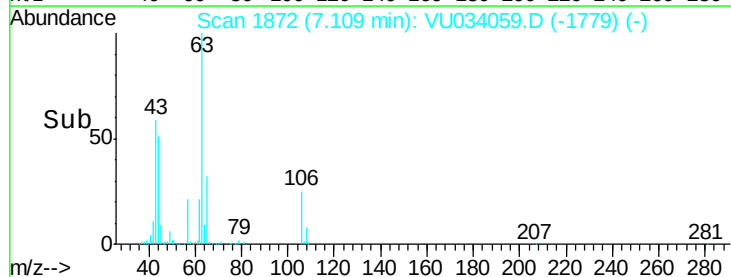
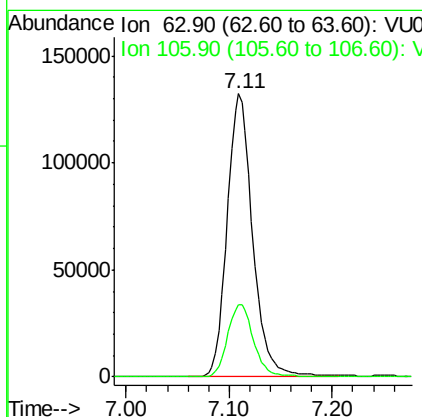
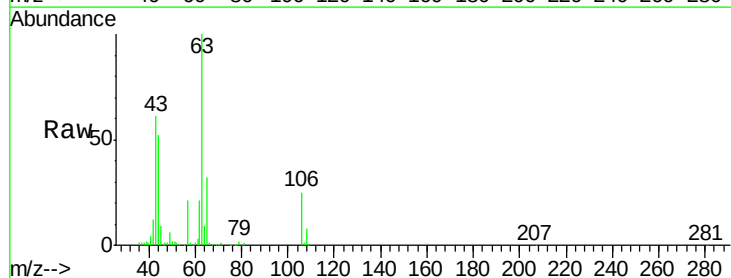
Manual Integrations
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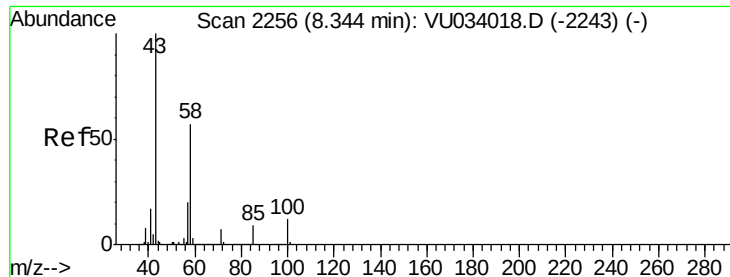
MMDadoda
 8/30/2019 12:52:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.087 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion: 63 Resp: 228612
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.7 31.1





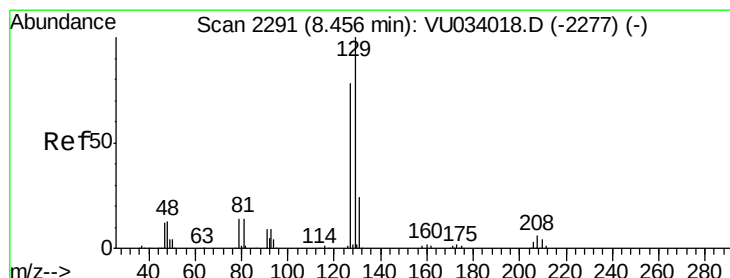
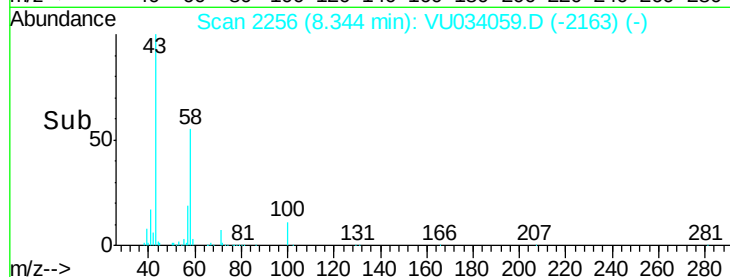
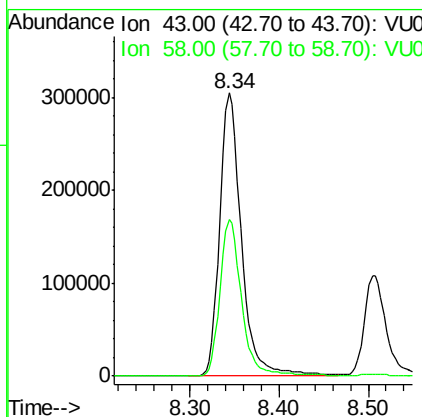
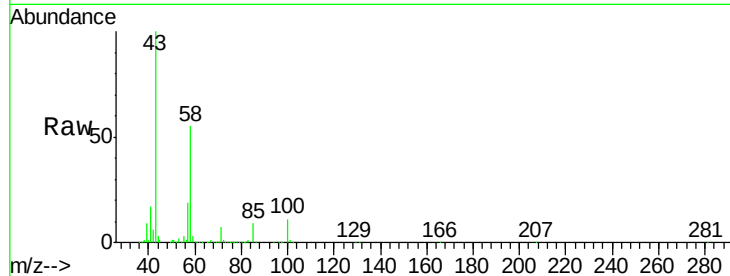
#59
2-Hexanone
Concen: 94.035 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.4	85.3

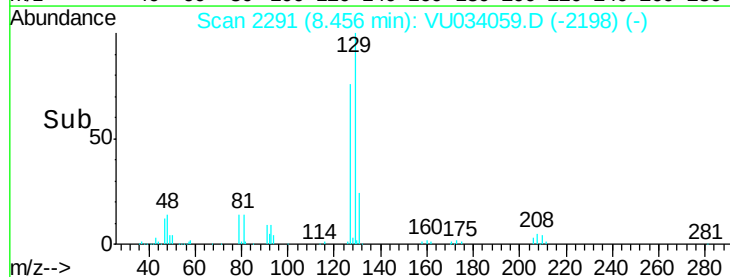
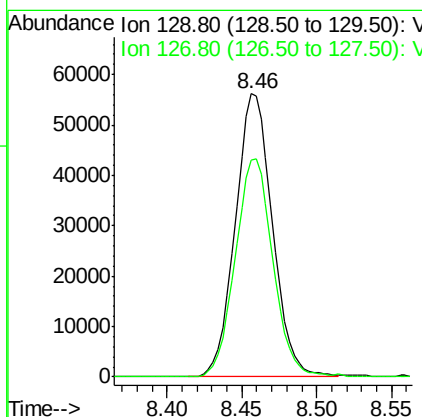
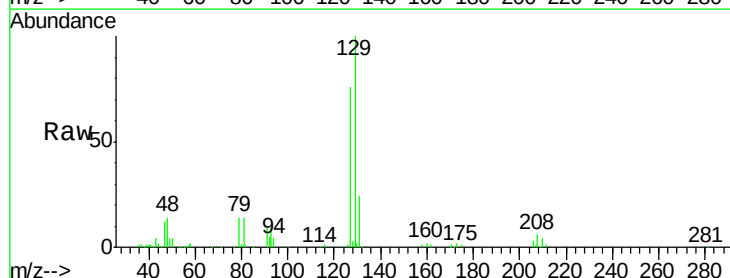
Manual Integrations
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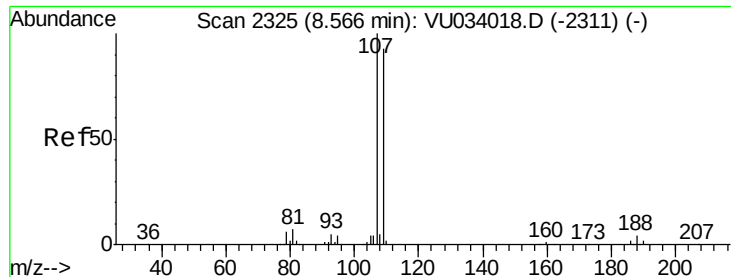
MMDadoda
8/30/2019 12:52:55 PM



#60
Dibromochloromethane
Concen: 18.632 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.919 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion:107 Resp: 96788

Ion Ratio Lower Upper

107 100

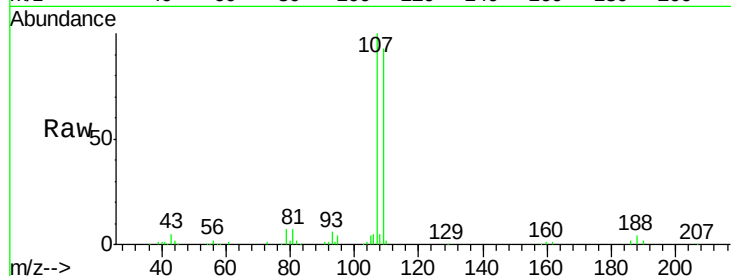
109 93.3 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

8/30/2019 12:52:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

60000

50000

40000

30000

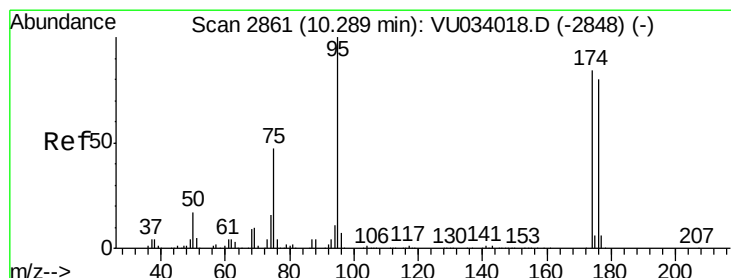
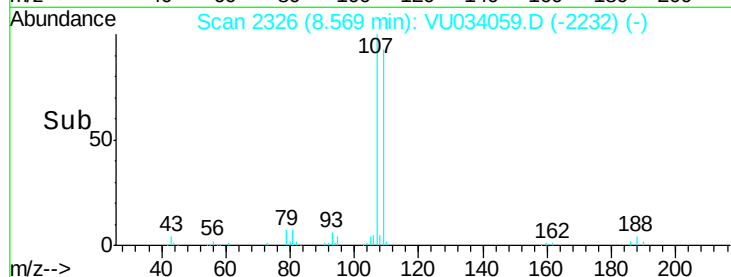
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 48.104 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

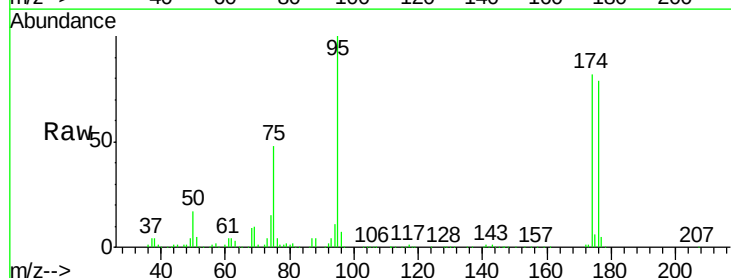
Tgt Ion: 95 Resp: 316501

Ion Ratio Lower Upper

95 100

174 83.3 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

10.29

250000

200000

150000

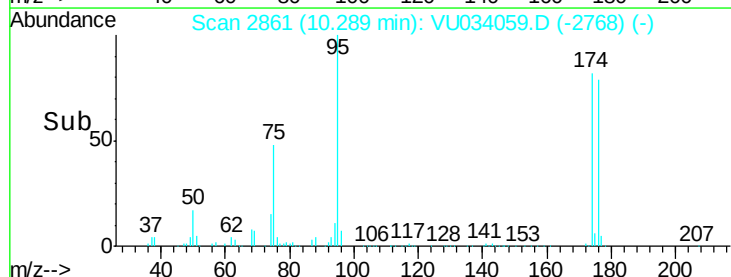
100000

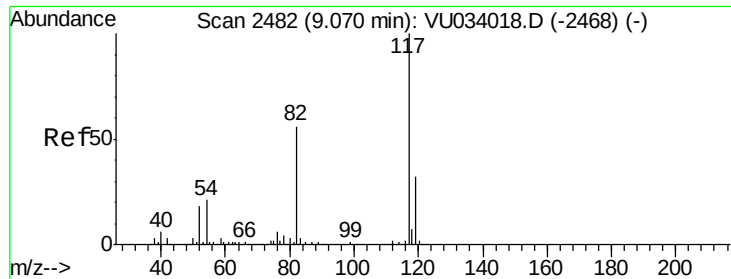
50000

0

10.20 10.30 10.40

Time-->





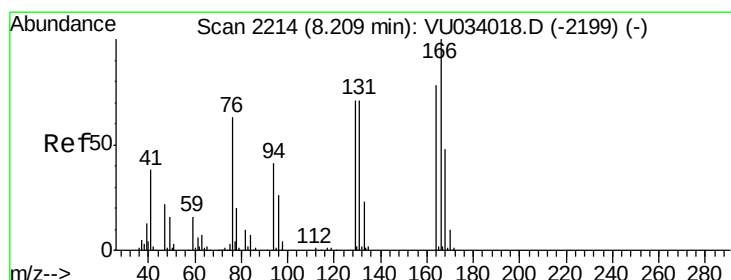
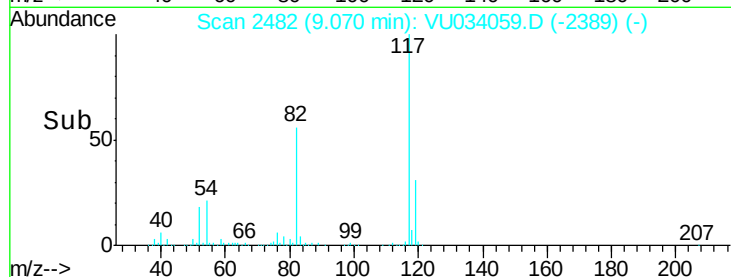
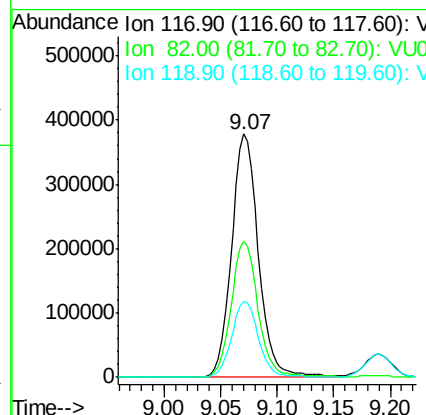
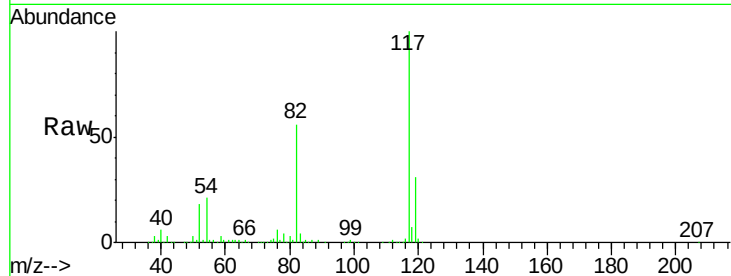
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	626581		
82	55.7		45.1	67.7
119	31.5		25.4	38.0

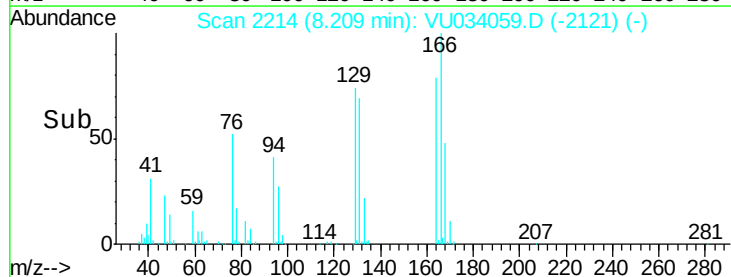
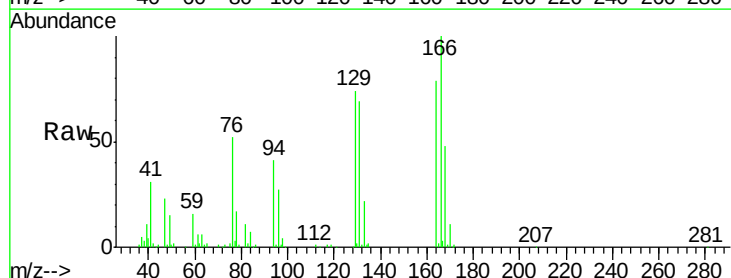
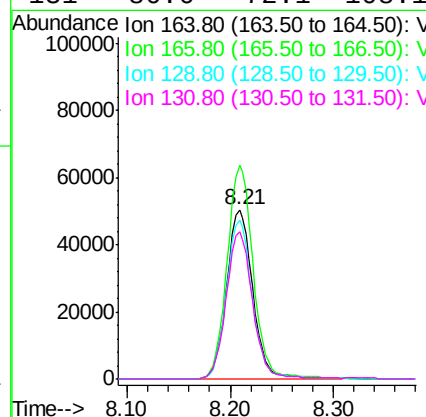
Manual Integrations
APPROVED

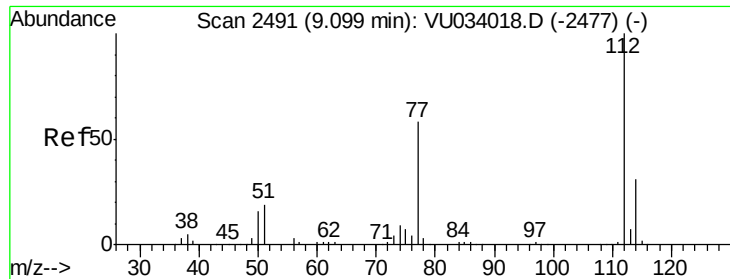
MMDadoda
8/30/2019 12:52:55 PM



#64
Tetrachloroethene
Concen: 21.221 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89298		
166	126.0		102.2	153.2
129	93.9		72.4	108.6
131	86.6		72.1	108.1





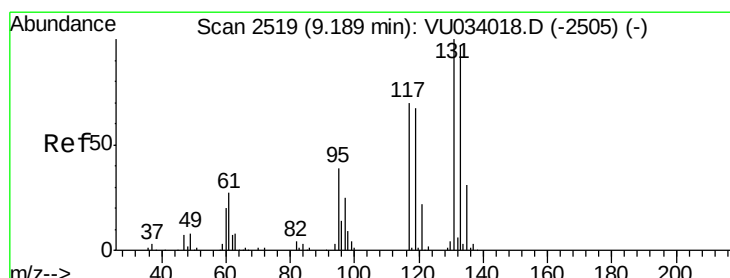
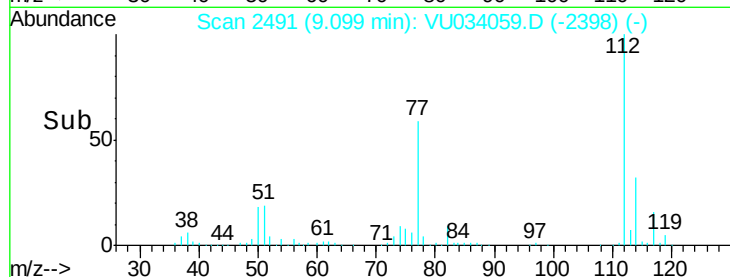
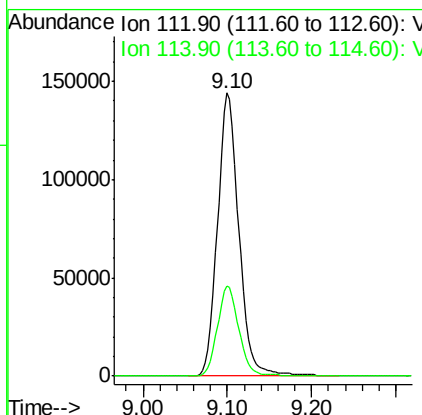
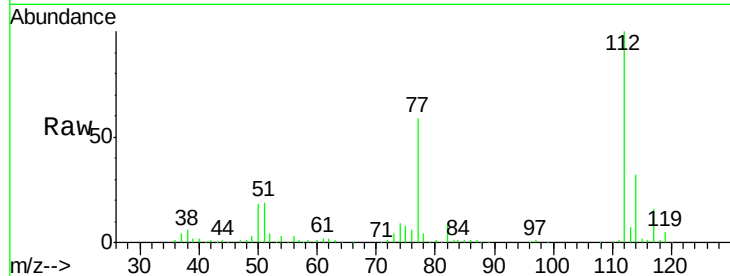
#65
Chlorobenzene
Concen: 19.674 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion:112 Resp: 253685
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4

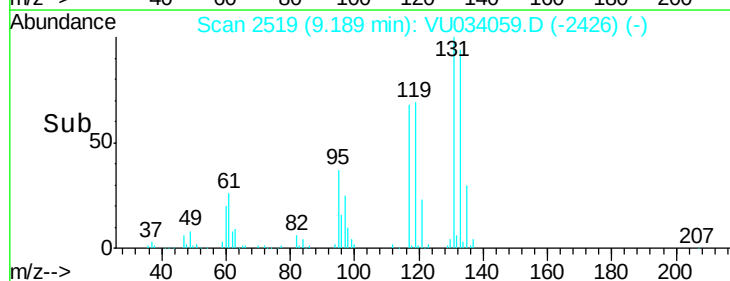
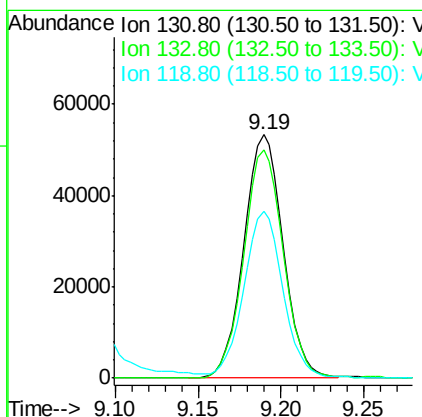
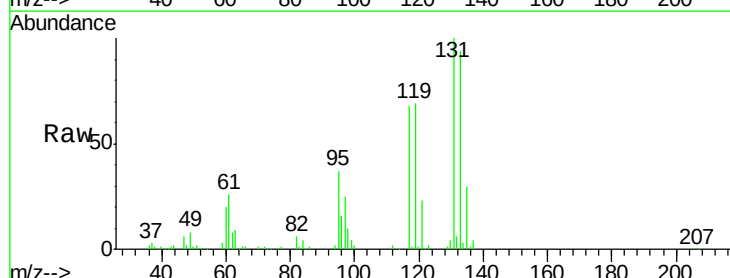
Manual Integrations
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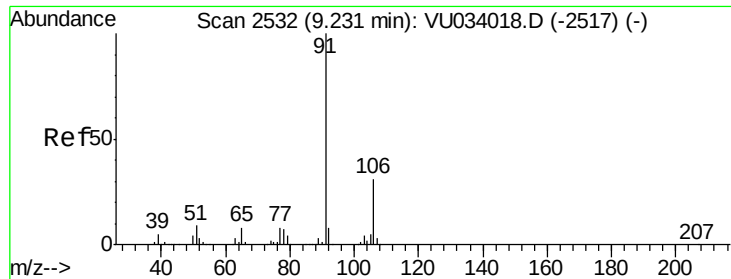
MMDadoda
8/30/2019 12:52:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.850 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion:131 Resp: 88138
Ion Ratio Lower Upper
131 100
133 94.4 48.4 145.2
119 67.8 33.6 100.6





#67

Ethyl Benzene

Concen: 19.354 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 91 Resp: 423044

Ion Ratio Lower Upper

91 100

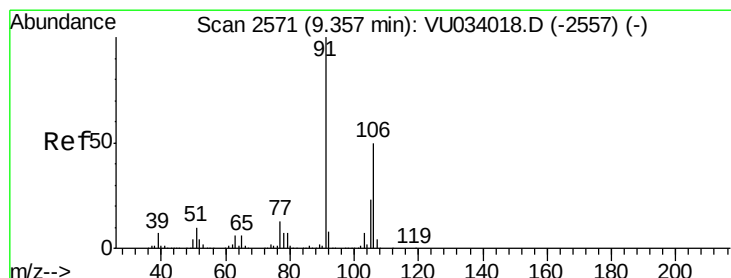
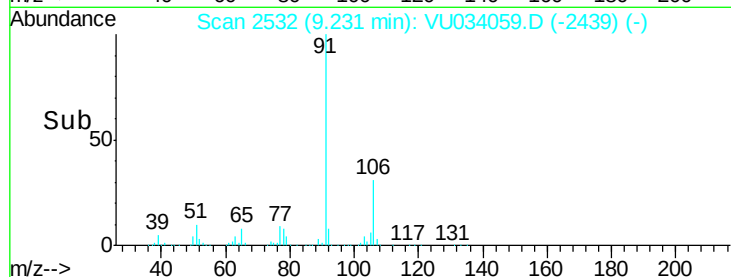
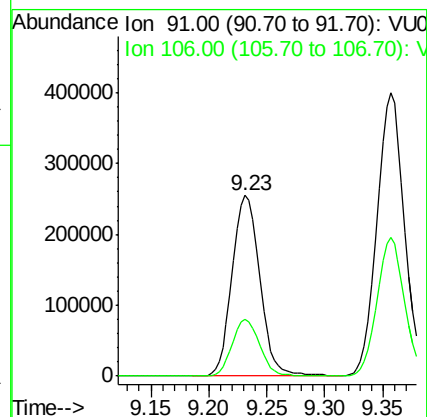
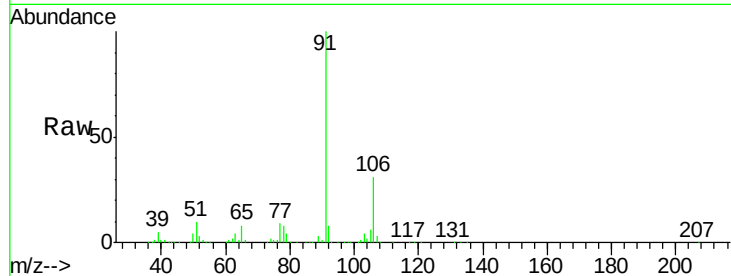
106 31.4 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 39.504 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034059.D

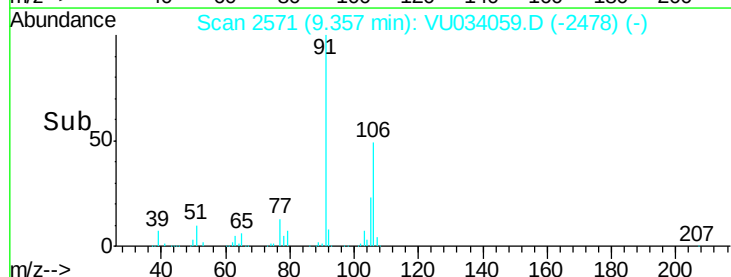
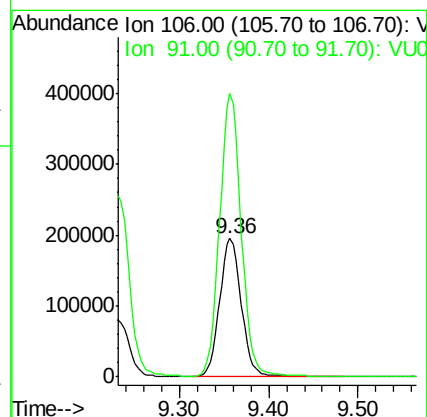
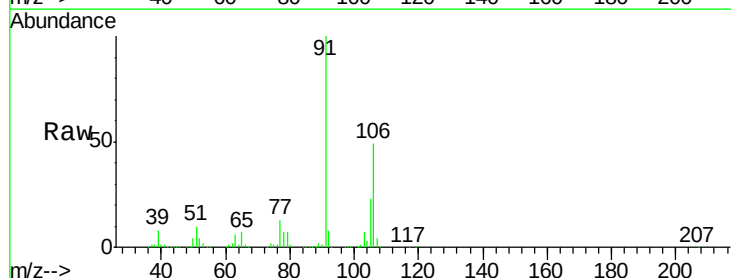
Acq: 29 Aug 2019 14:07

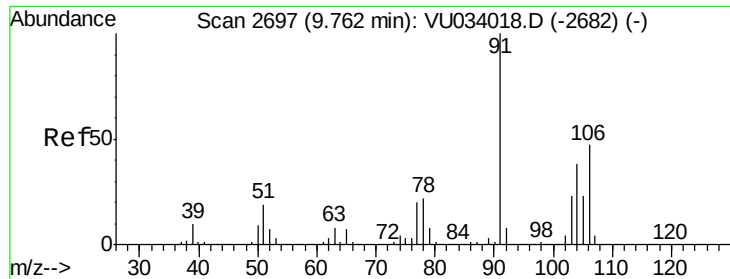
Tgt Ion: 106 Resp: 328324

Ion Ratio Lower Upper

106 100

91 203.9 161.6 242.4





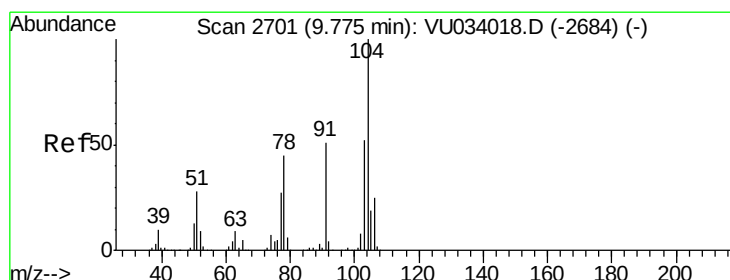
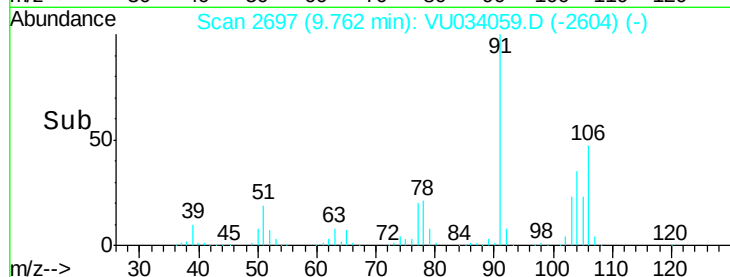
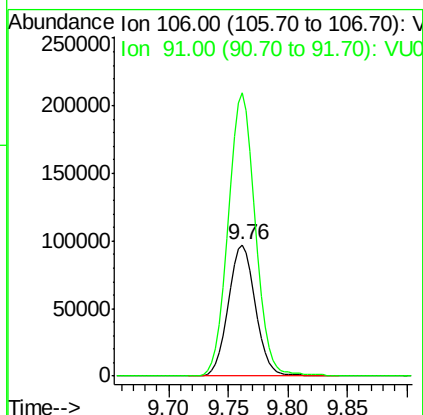
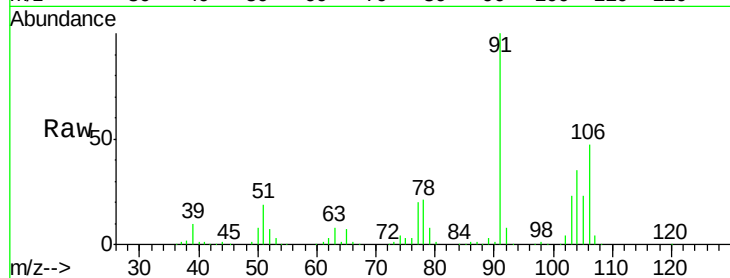
#69
o-Xylene
Concen: 19.278 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.6	106.0	318.0

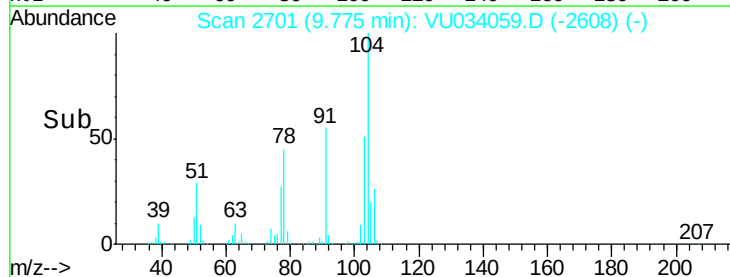
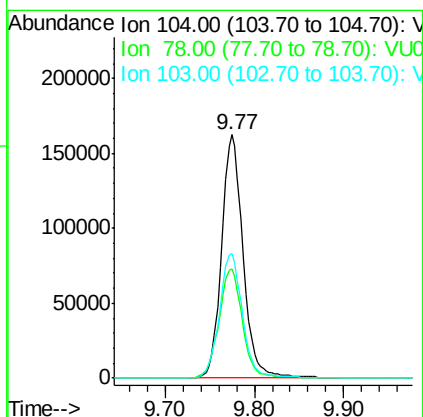
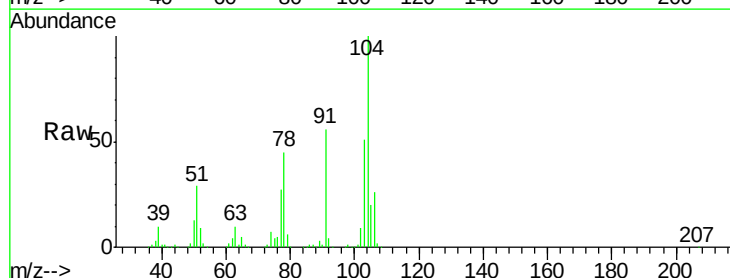
Manual Integrations
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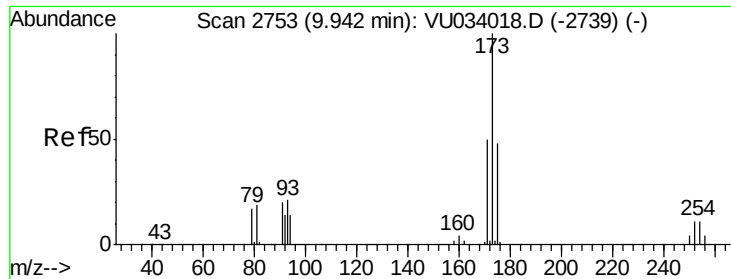
MMDadoda
8/30/2019 12:52:55 PM



#70
Styrene
Concen: 19.810 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.0	58.4
103	54.9	44.0	66.0





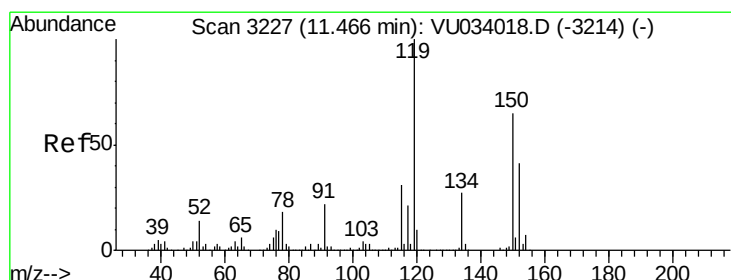
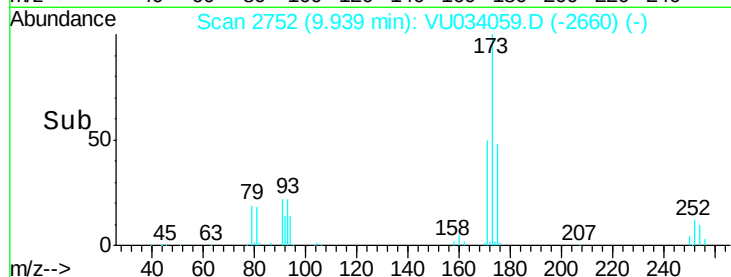
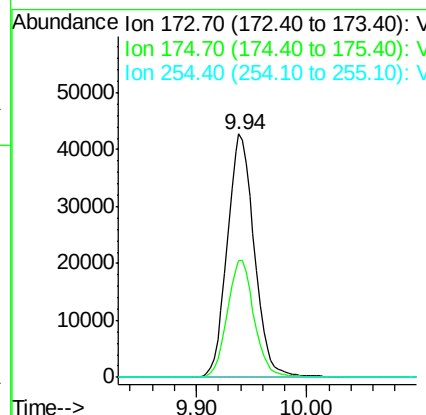
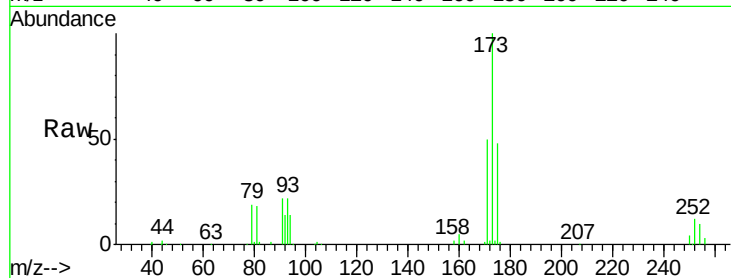
#71
Bromoform
Concen: 17.915 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.6	24.6	73.6	
254	0.0	0.0	0.0	

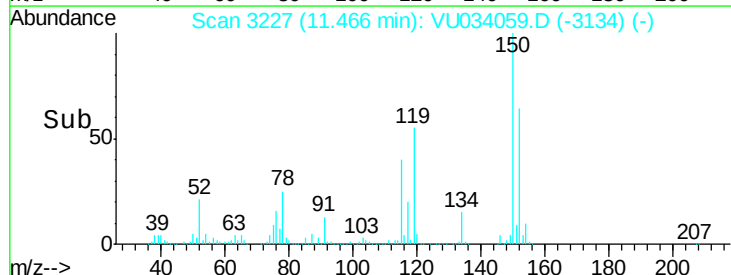
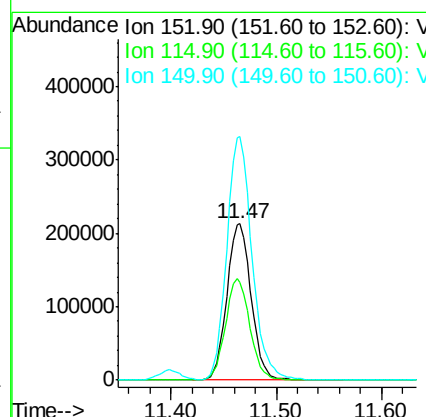
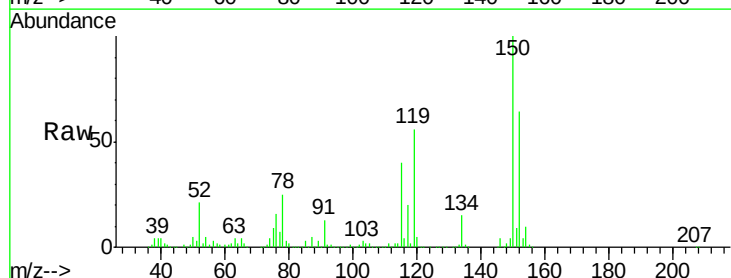
Manual Integrations
APPROVED

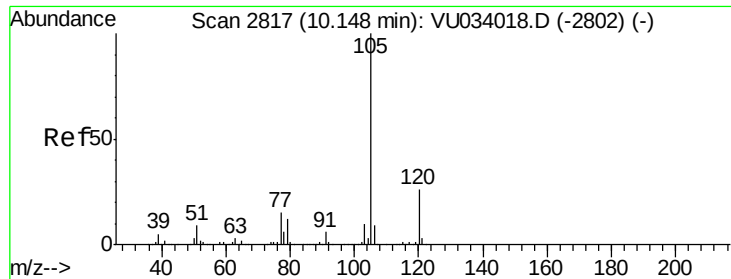
MMDadoda
8/30/2019 12:52:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	65.5	41.1	123.3	
150	161.6	0.0	348.8	





#73

Isopropylbenzene

Concen: 18.509 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 105 Resp: 420505

Ion Ratio Lower Upper

105 100

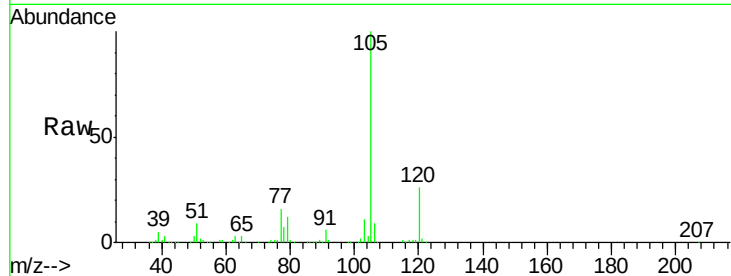
120 26.2 13.3 39.8

Manual Integrations

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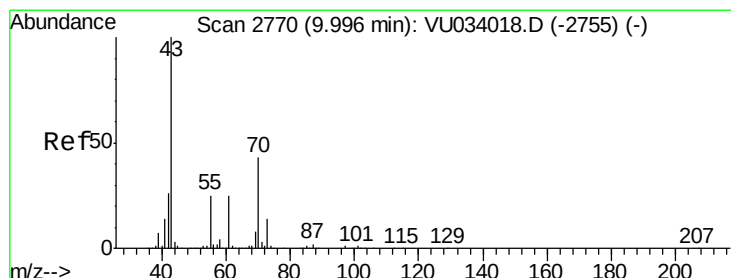
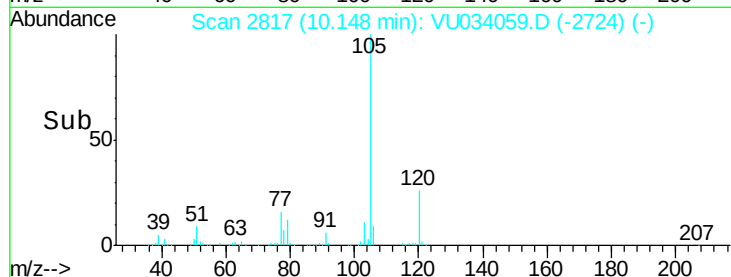
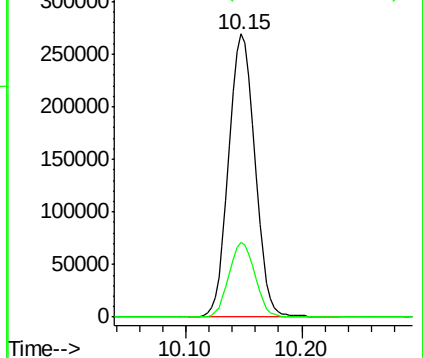
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.459 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion: 43 Resp: 166822

Ion Ratio Lower Upper

43 100

70 44.7 35.2 52.8

55 27.2 20.5 30.7

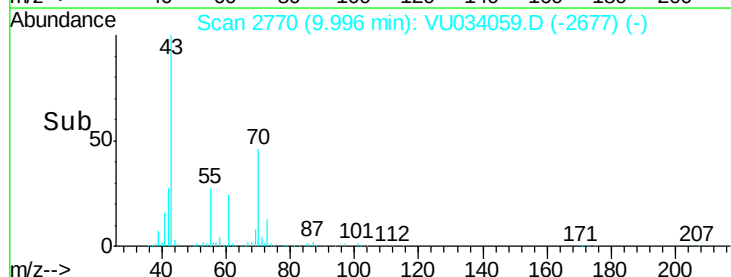
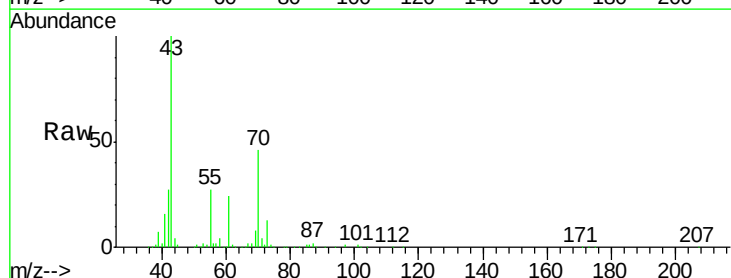
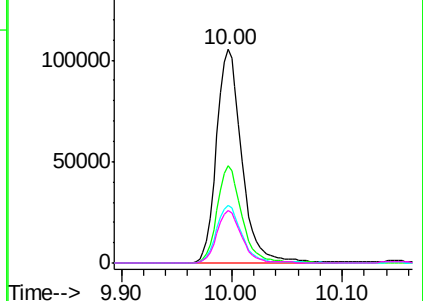
61 24.5 20.0 30.0

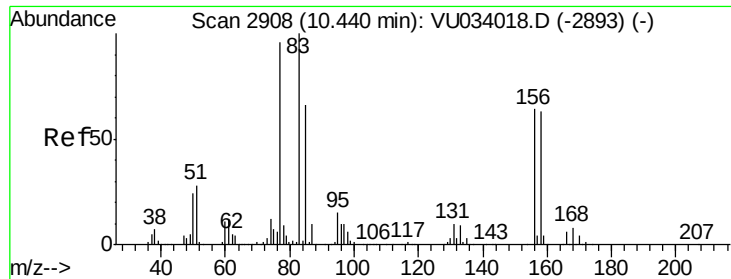
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.066 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 83 Resp: 157088

Ion Ratio Lower Upper

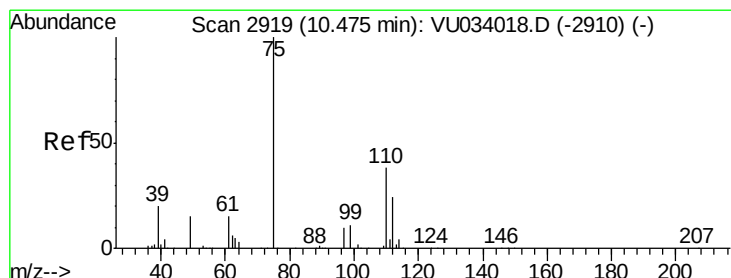
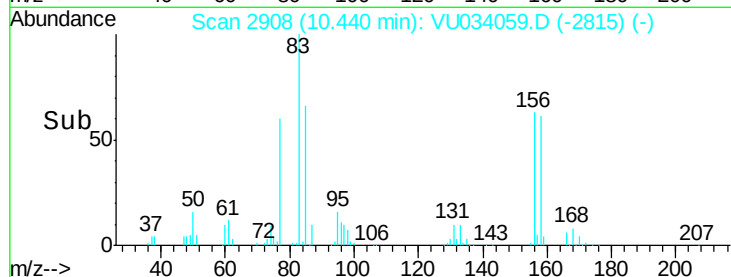
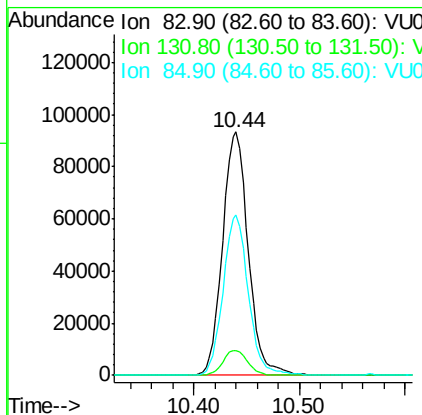
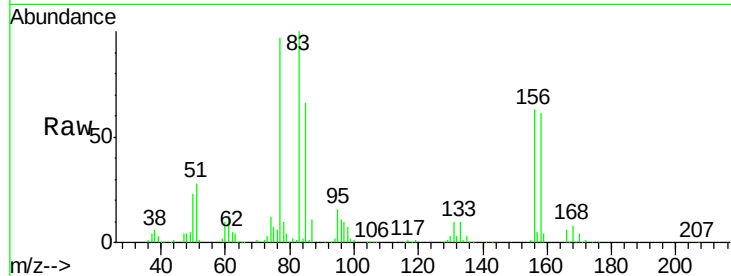
83 100

131 9.9 5.0 14.9

85 64.8 32.2 96.6

Manual Integrations
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8/30/2019 12:52:55 PM



#76

1,2,3-Trichloropropane

Concen: 16.583 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034059.D

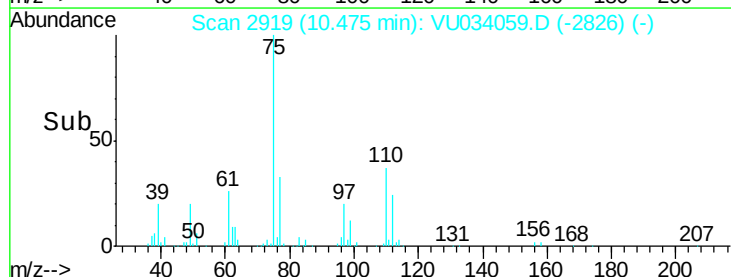
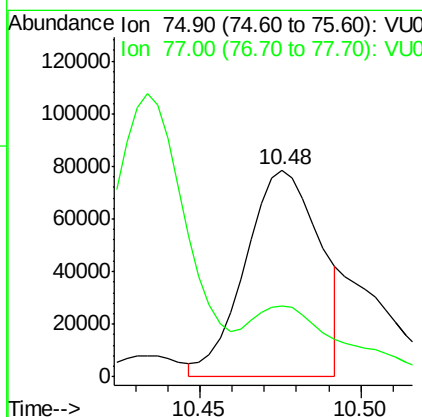
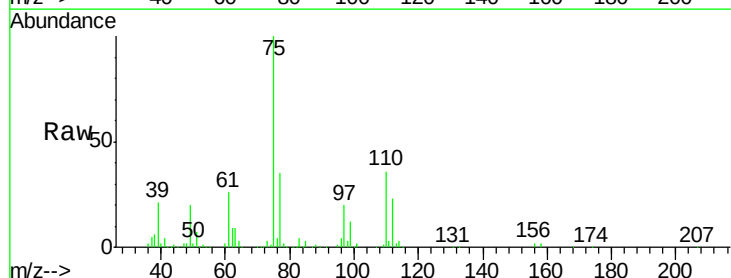
Acq: 29 Aug 2019 14:07

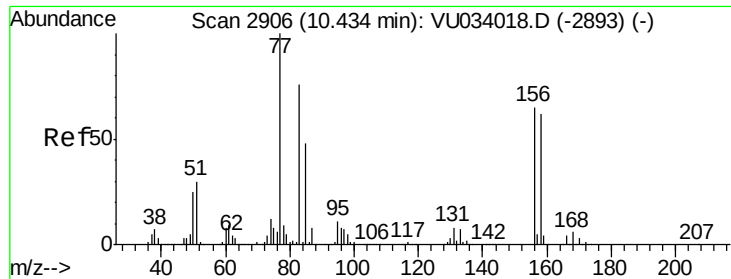
Tgt Ion: 75 Resp: 126411

Ion Ratio Lower Upper

75 100

77 42.8 20.1 60.2





#77

Bromobenzene

Concen: 18.677 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

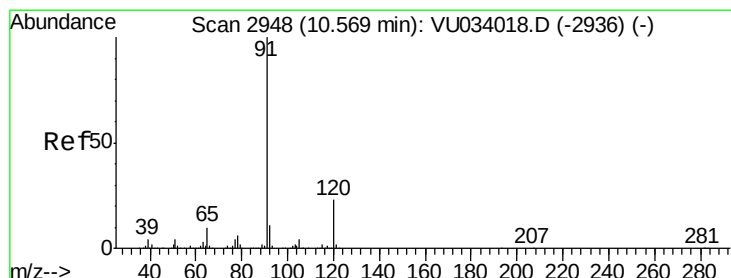
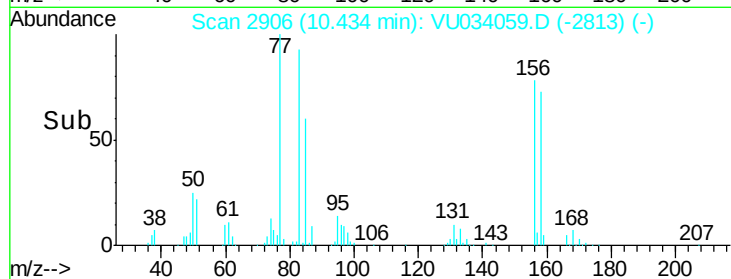
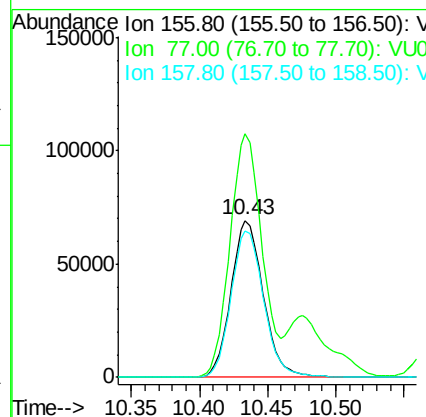
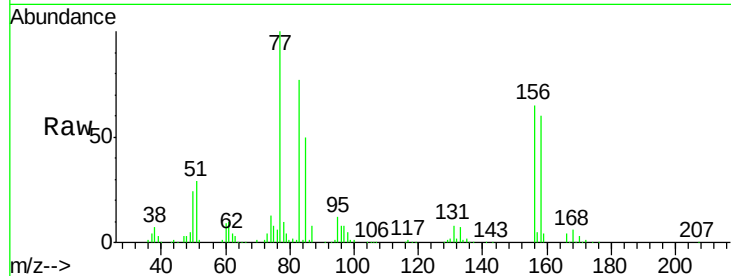
ClientSampleId :

VU0830MBS01

Tot Ion:	156	Resp:	114143
Ion Ratio	Lower	Upper	
156	100		
77	154.2	76.8	230.5
158	94.7	48.4	145.0

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#78

n-propylbenzene

Concen: 18.839 ug/l

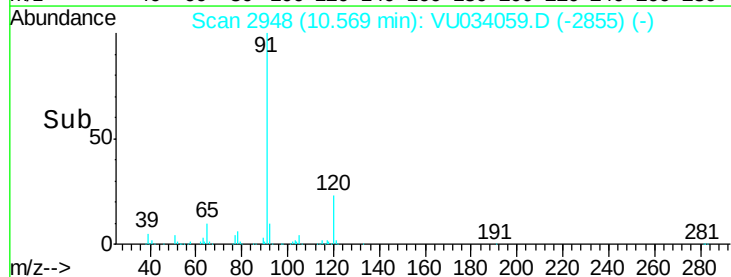
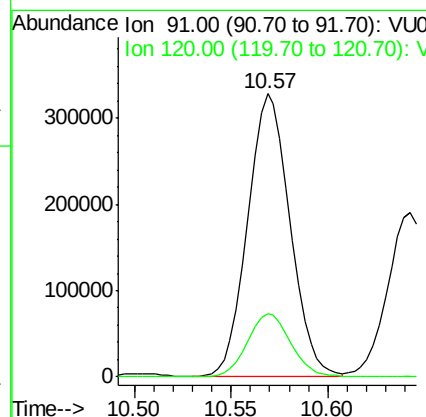
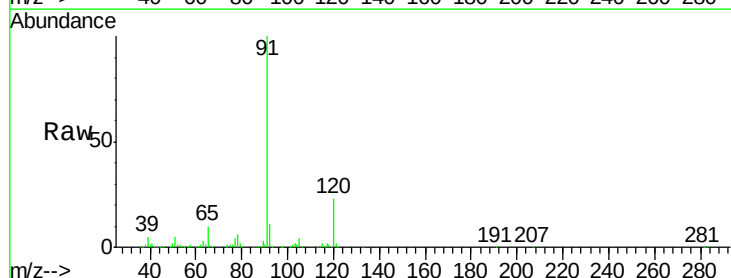
RT: 10.57 min Scan# 2948

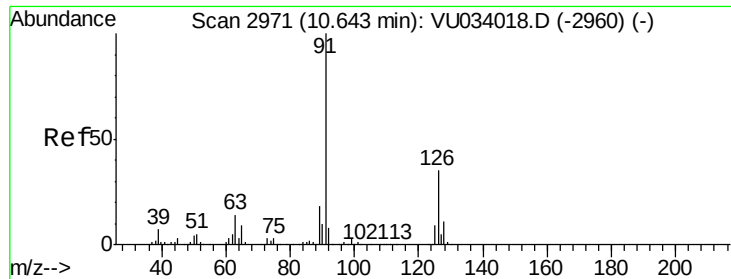
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	91	Resp:	498435
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.108 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion: 91 Resp: 303232

Ion Ratio Lower Upper

91 100

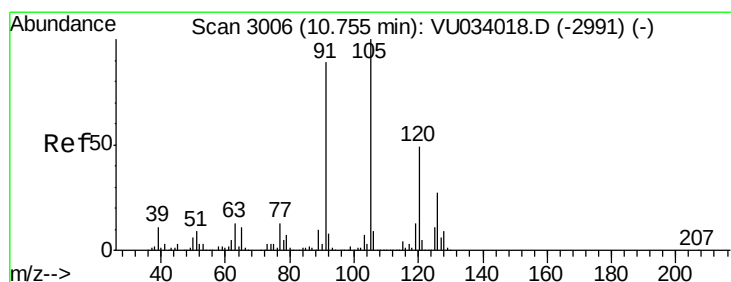
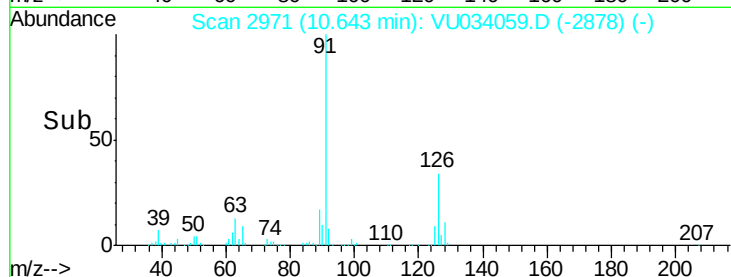
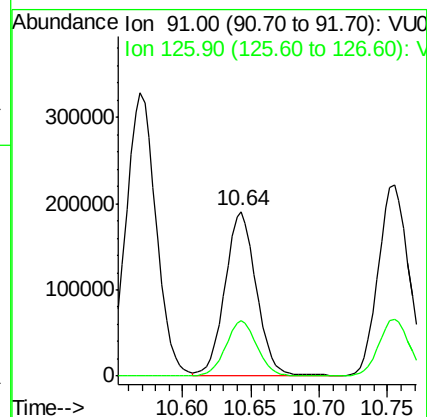
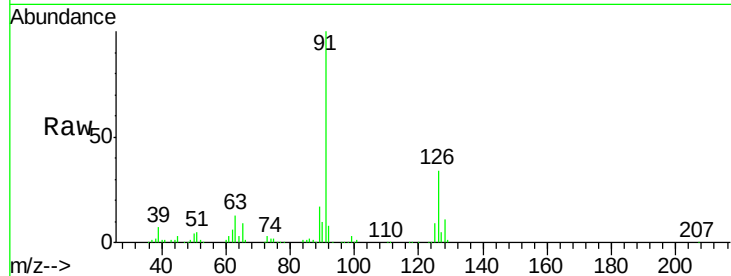
126 33.8 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.357 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034059.D

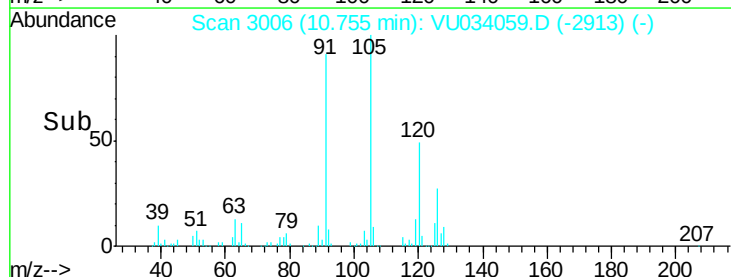
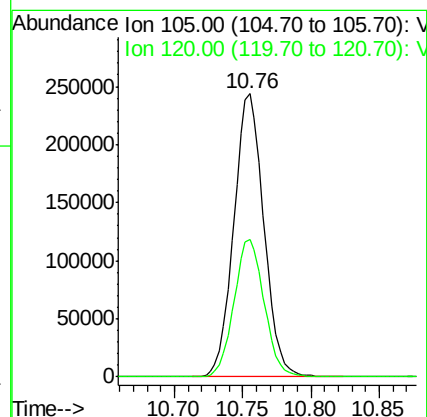
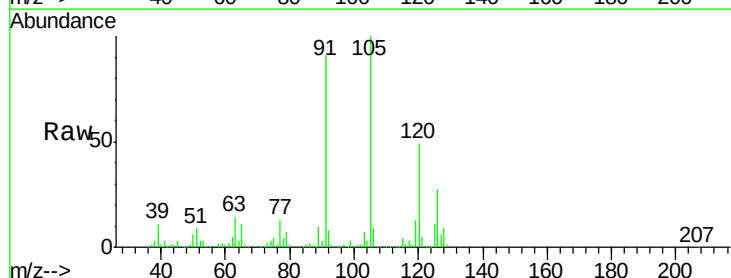
Acq: 29 Aug 2019 14:07

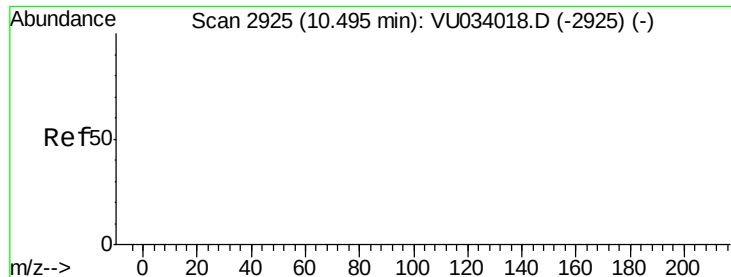
Tgt Ion: 105 Resp: 372729

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.924 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

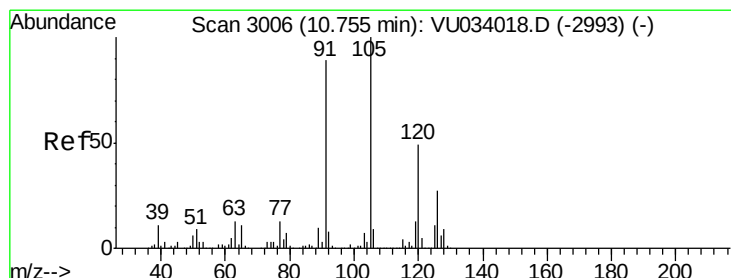
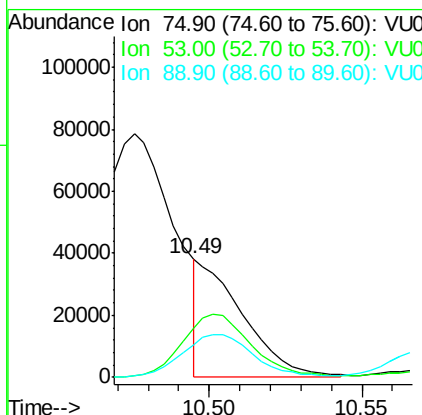
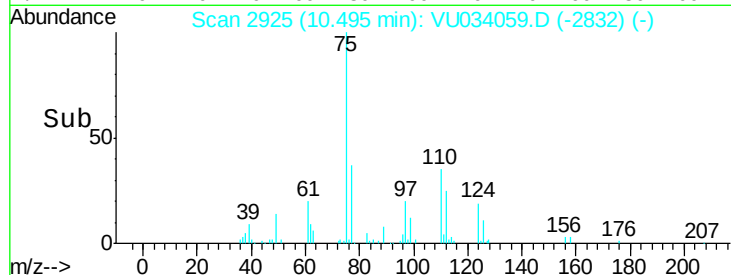
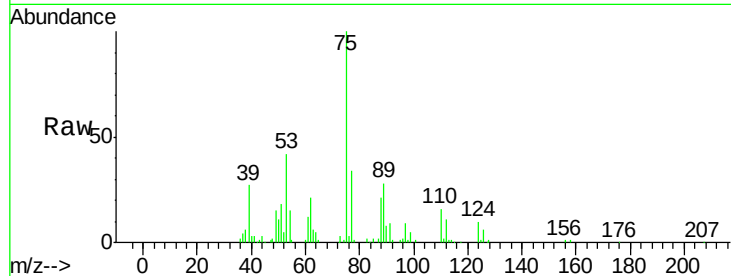
Instrument :
MSVOA_U

ClientSampleId :
VU0830MBS01

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

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#82

4-Chlorotoluene

Concen: 19.216 ug/l

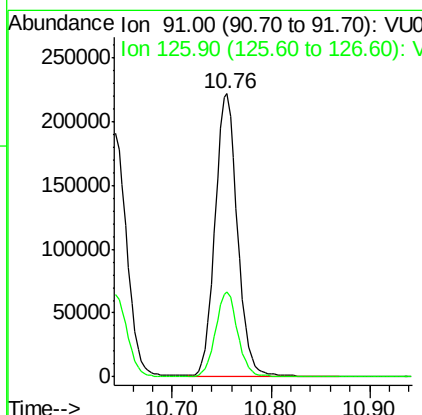
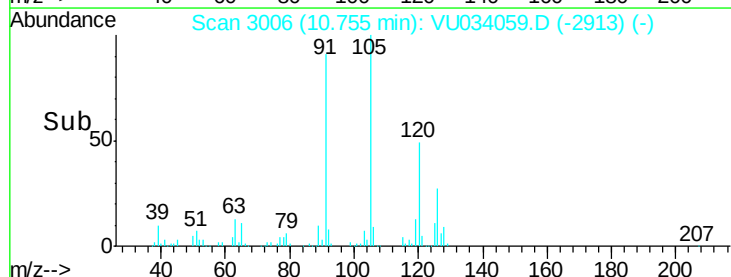
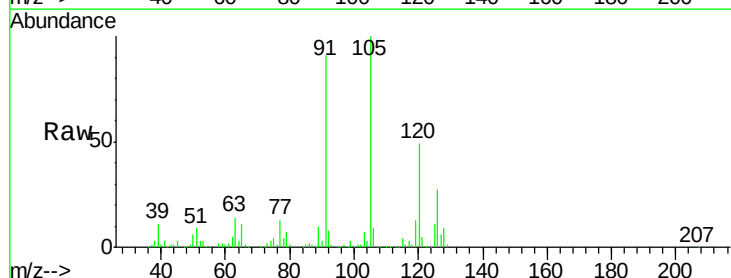
RT: 10.76 min Scan# 3006

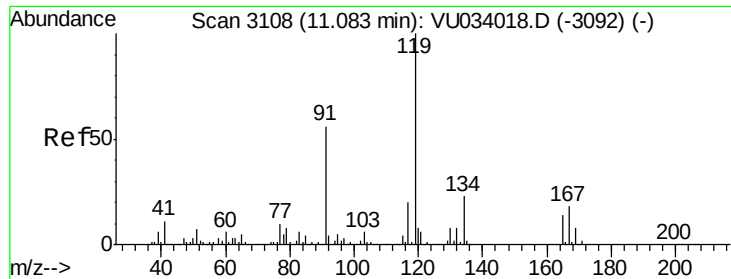
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.0	45.1





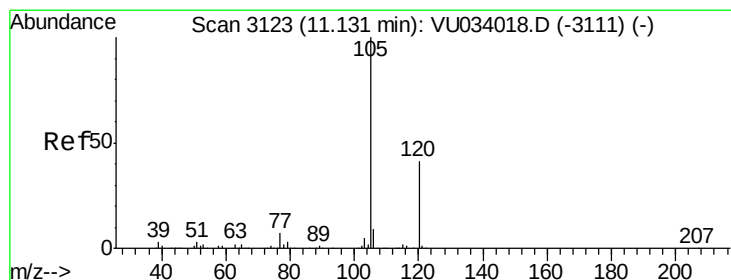
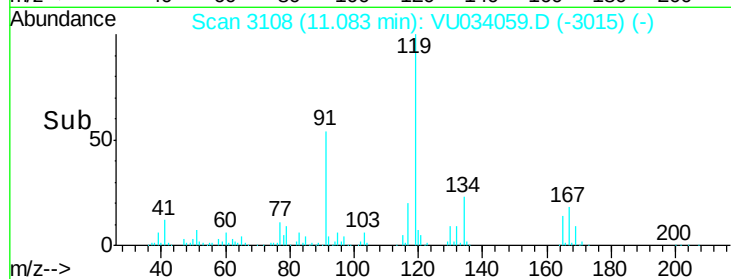
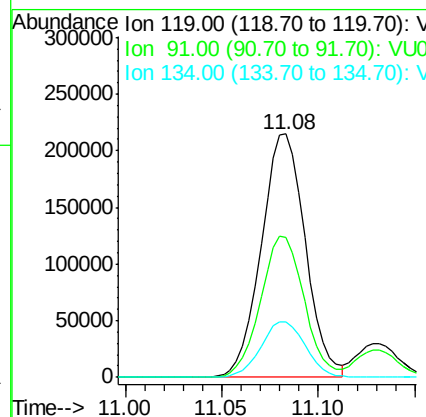
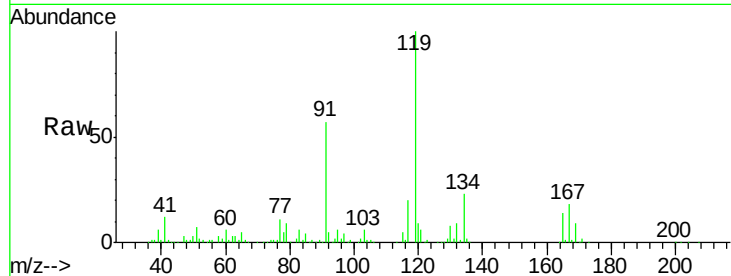
#83
 tert-Butylbenzene
 Concen: 18.022 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	27.9	83.6
134	23.3	11.4	34.2

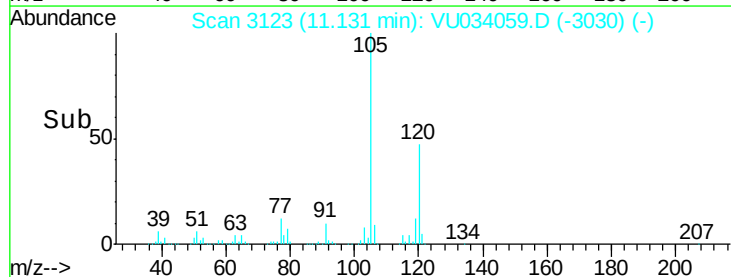
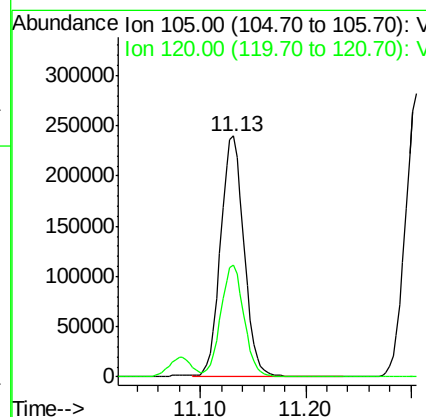
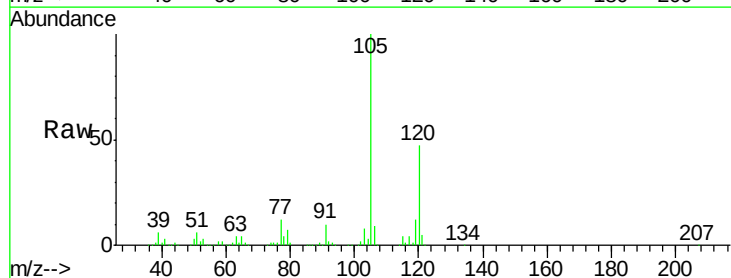
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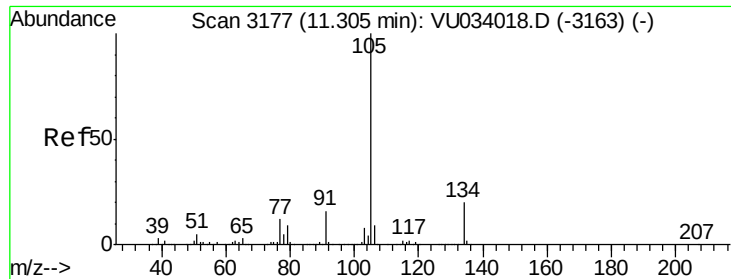
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.218 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 18.758 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

VU0830MBS01

Tot Ion:105 Resp: 426164

Ion Ratio Lower Upper

105 100

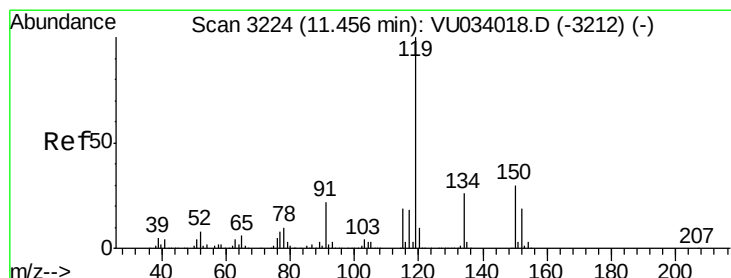
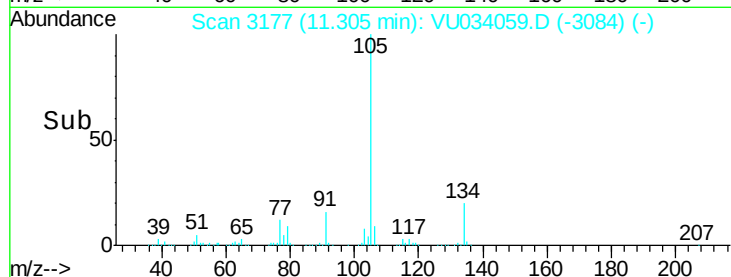
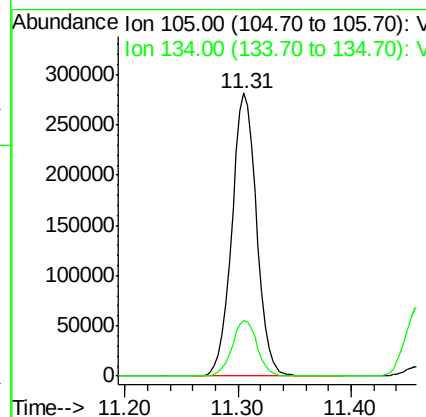
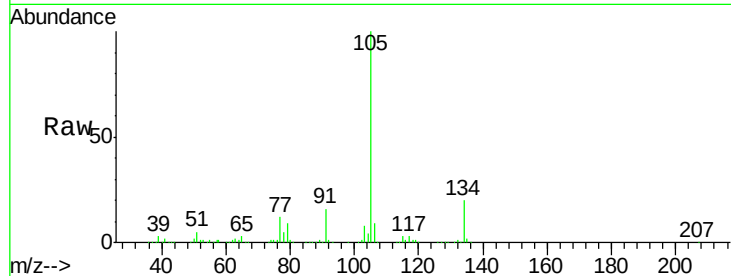
134 20.0 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 19.078 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

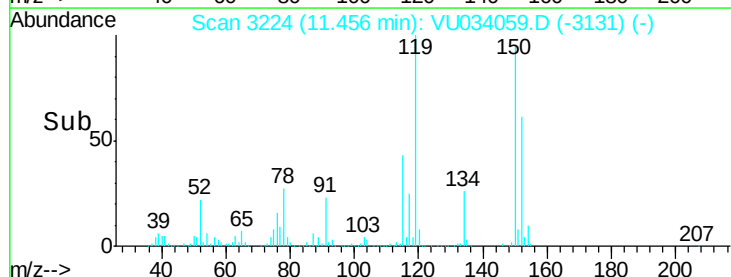
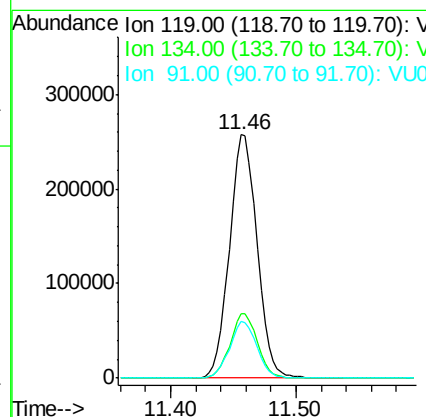
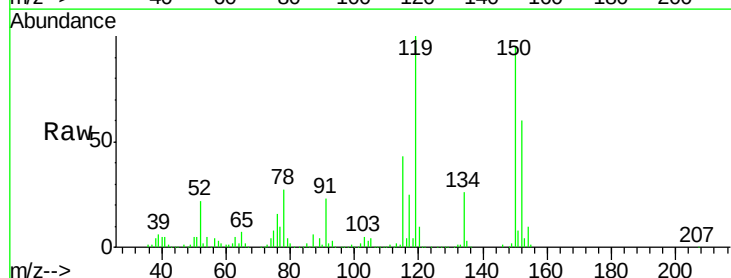
Tgt Ion:119 Resp: 392012

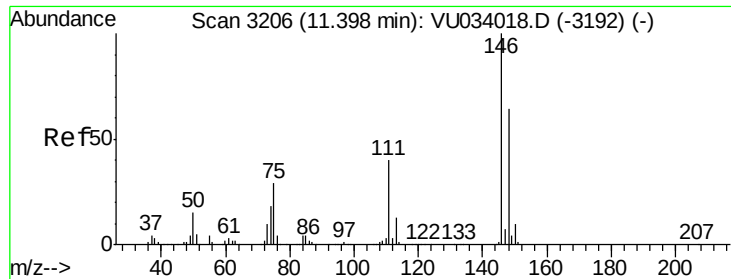
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 22.9 11.2 33.6





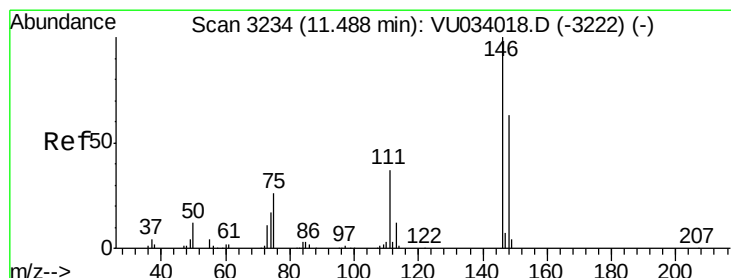
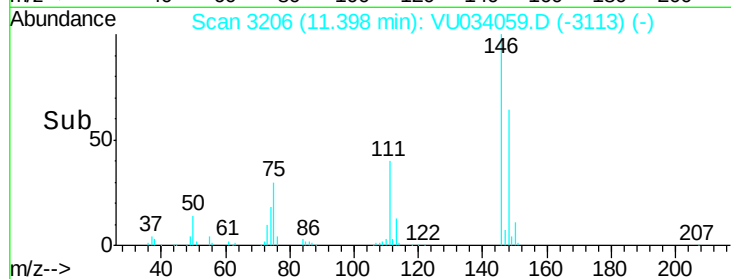
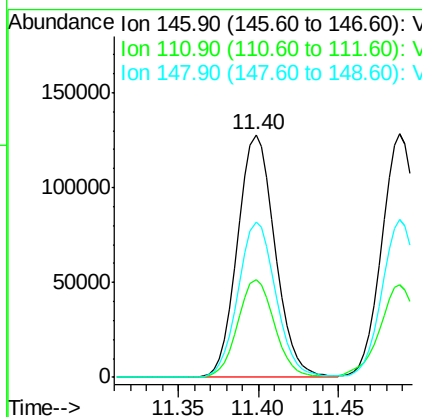
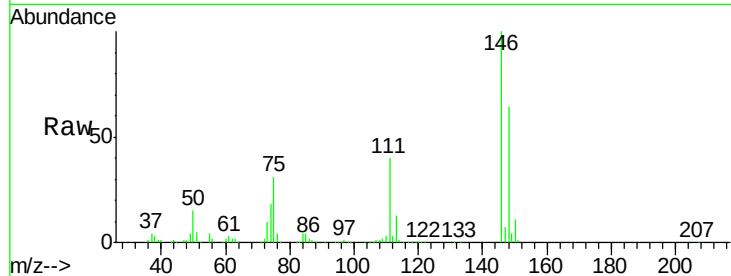
#87
 1,3-Dichlorobenzene
 Concen: 18.829 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	64.3	31.9	95.5

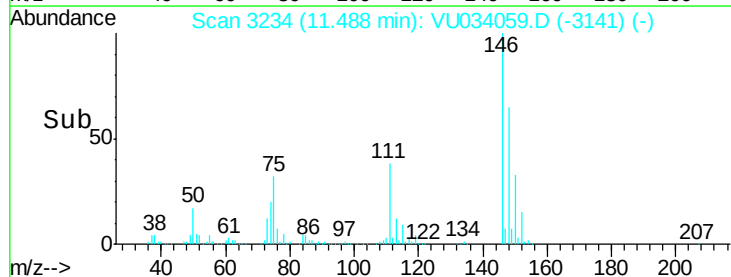
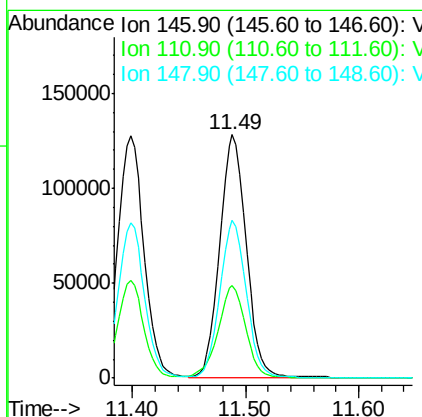
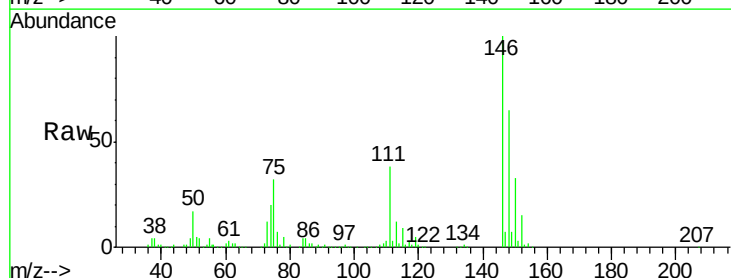
Manual Integrations
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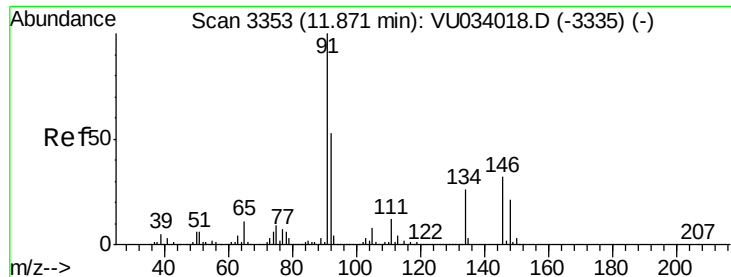
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#88
 1,4-Dichlorobenzene
 Concen: 19.114 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.2	57.6
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 18.720 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Instrument :

MSVOA_U

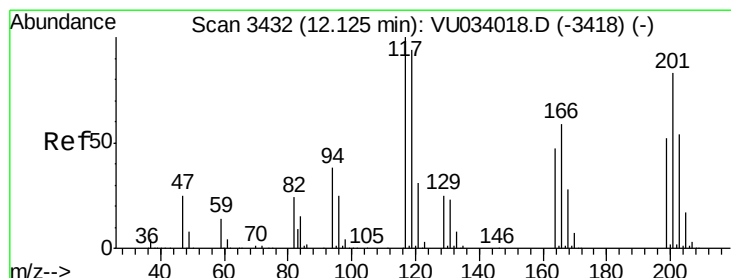
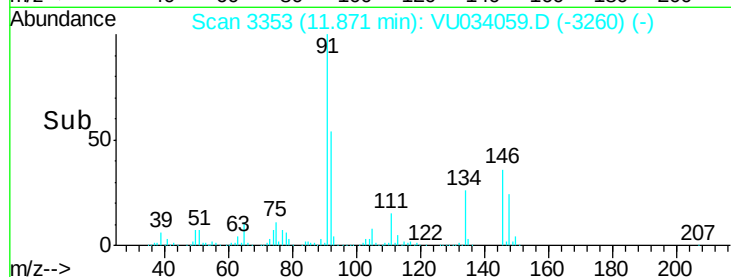
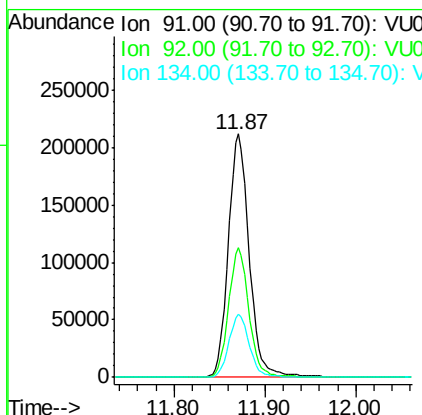
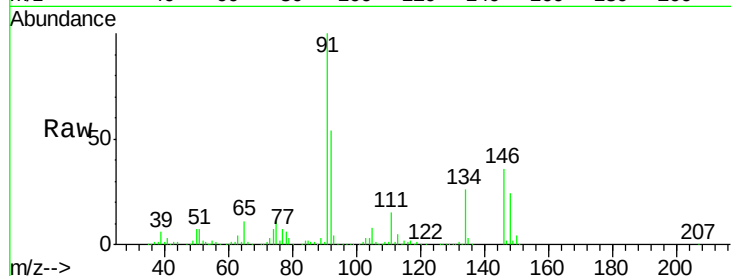
ClientSampleId :

VU0830MBS01

Tot Ion:	91	Resp:	339137
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	25.4	12.9	38.7

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#90

Hexachloroethane

Concen: 16.316 ug/l

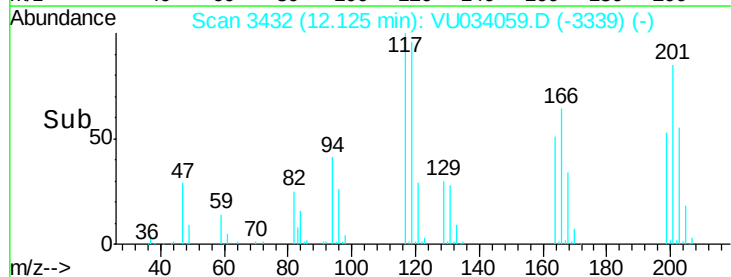
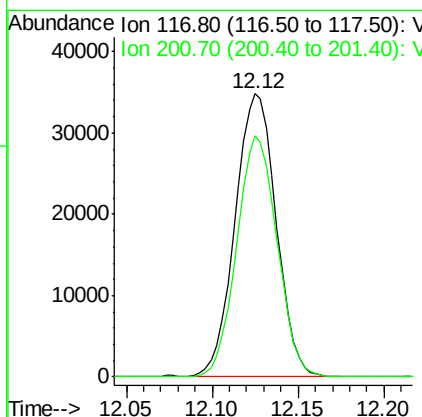
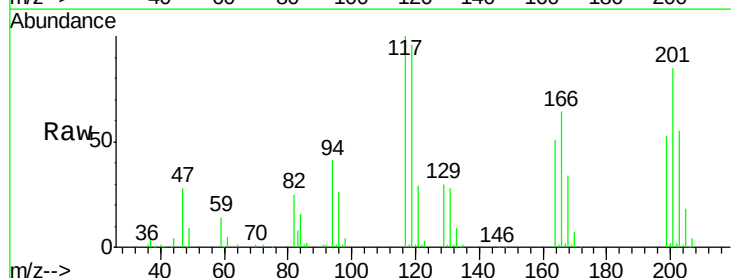
RT: 12.12 min Scan# 3432

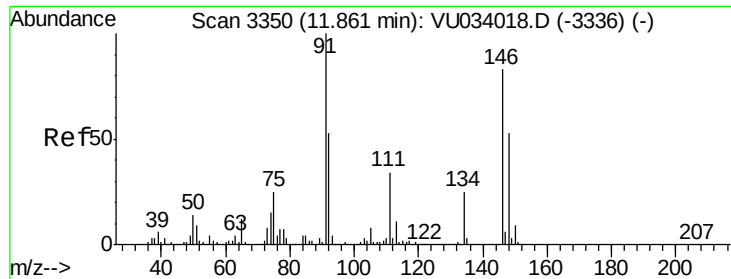
Delta R.T. 0.00 min

Lab File: VU034059.D

Acq: 29 Aug 2019 14:07

Tgt Ion:	117	Resp:	57962
Ion	Ratio	Lower	Upper
117	100		
201	83.6	42.5	127.6





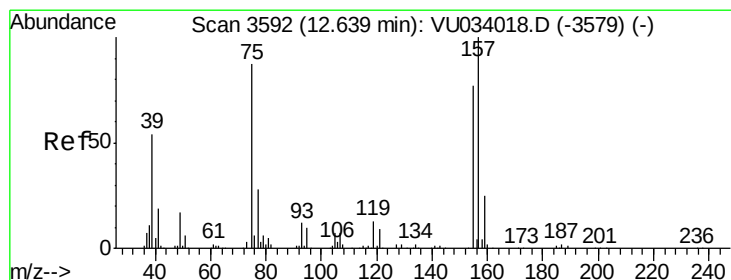
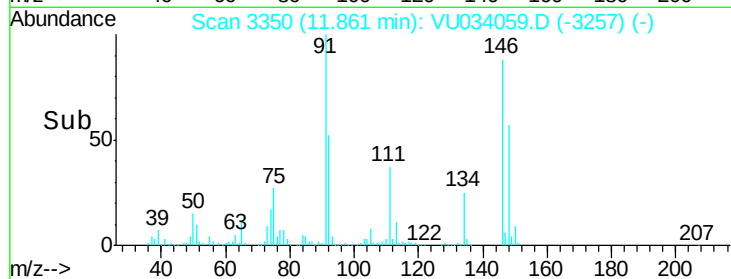
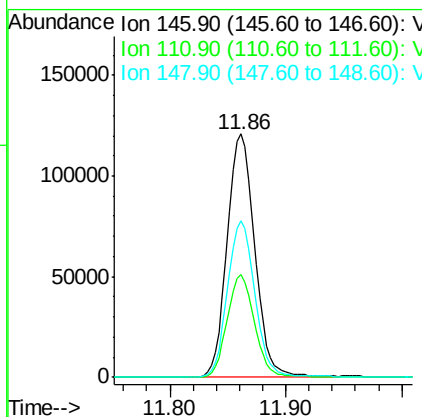
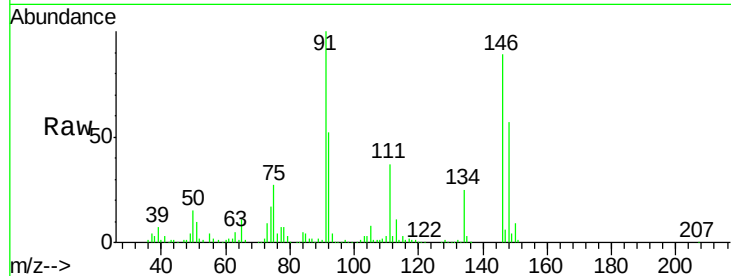
#91
 1,2-Dichlorobenzene
 Concen: 19.213 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199119		
111	41.3	20.4	61.2	
148	64.0	32.3	96.8	

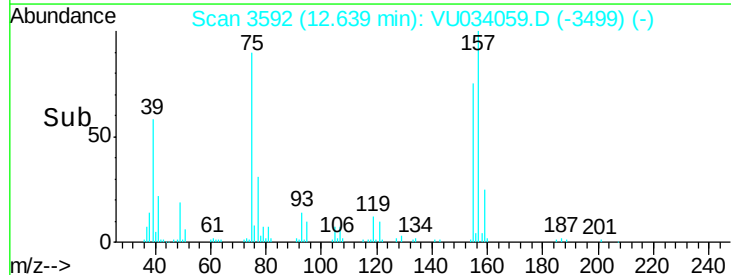
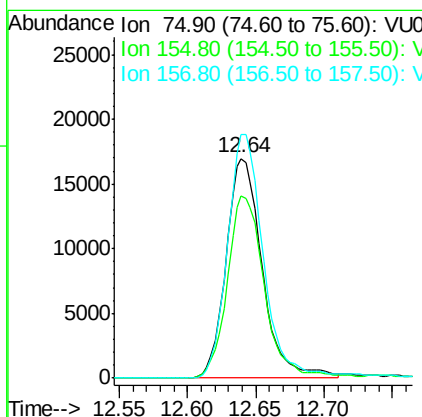
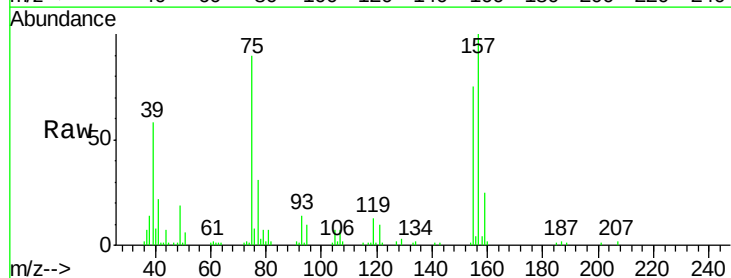
Manual Integrations
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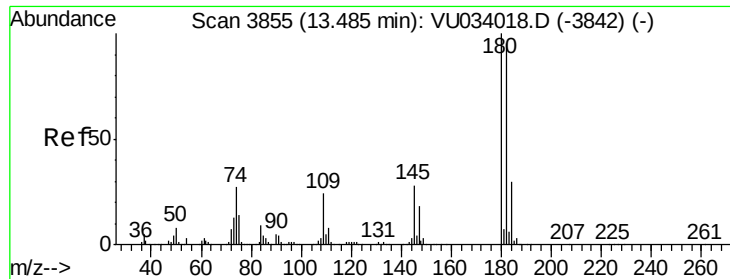
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.044 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31258		
155	85.1	43.5	130.7	
157	109.1	56.9	170.6	





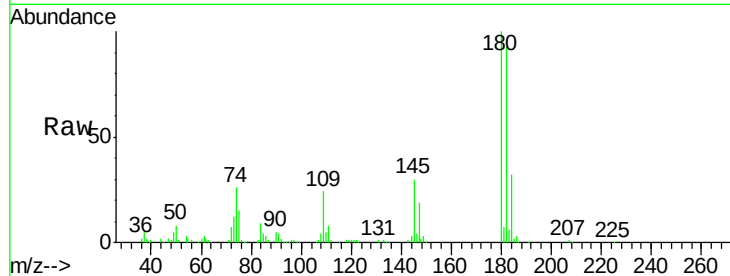
#93
 1,2,4-Trichlorobenzene
 Concen: 17.855 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830MBS01

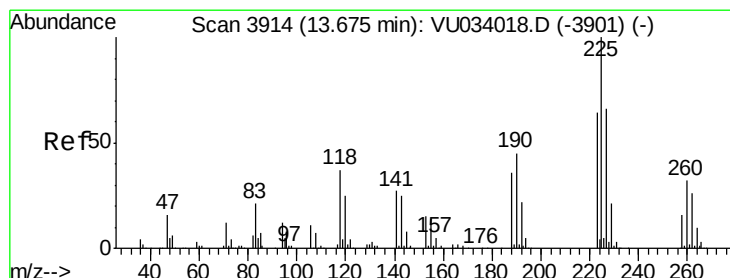
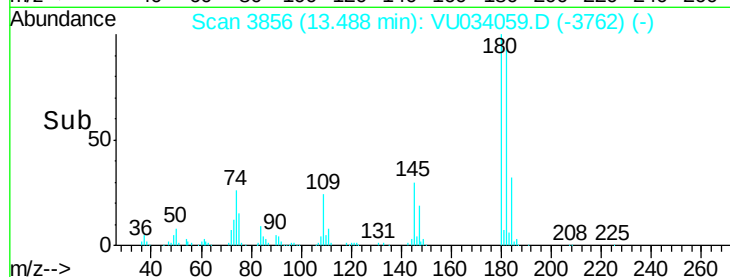
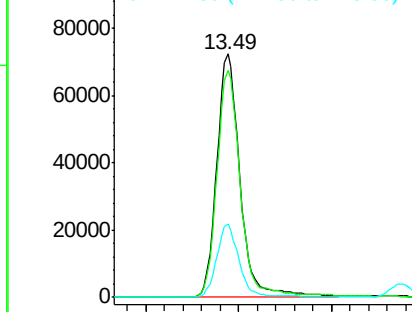
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126228		
182	93.5	47.4	142.2	
145	28.2	14.1	42.3	

Manual Integrations
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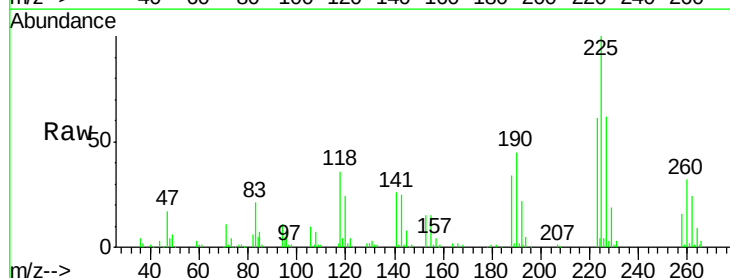


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

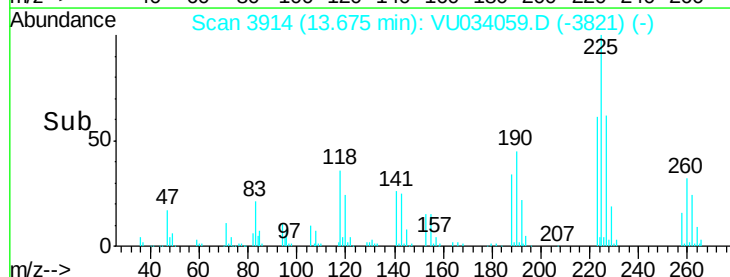
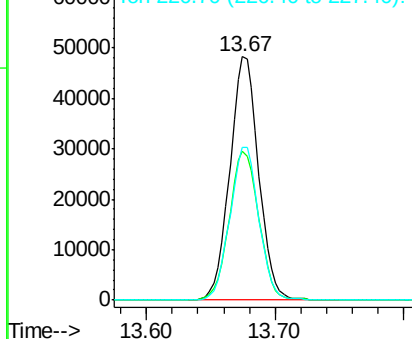


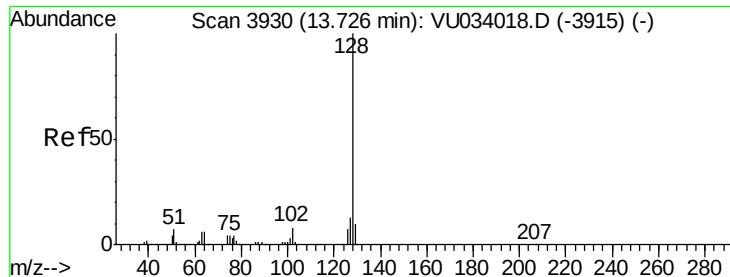
#94
 Hexachlorobutadiene
 Concen: 18.437 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034059.D
 Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74749		
223	62.8	31.8	95.3	
227	62.9	32.6	97.8	



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





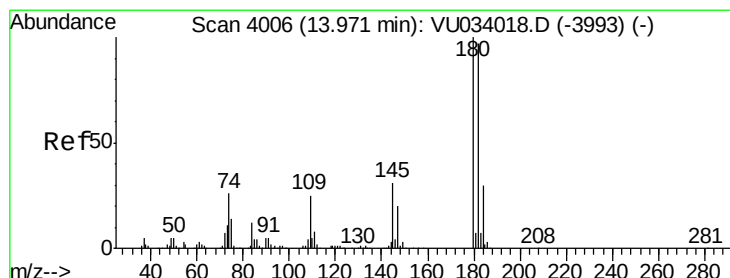
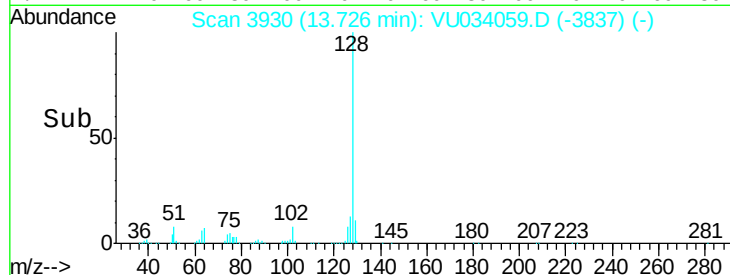
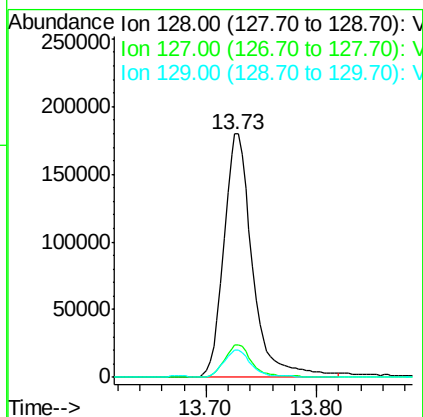
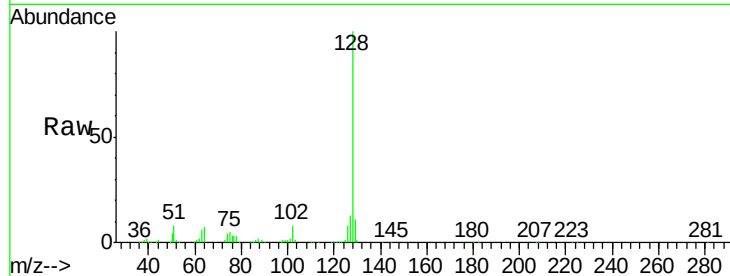
#95
Naphthalene
Concen: 16.632 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Instrument :
MSVOA_U
ClientSampleId :
VU0830MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.8	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.788 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU034059.D
Acq: 29 Aug 2019 14:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.2	144.6
145	30.8	15.5	46.5

