

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034071.D
 Acq On : 29 Aug 2019 18:46
 Operator : JC/SP
 Sample : VU0830WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:41 PM

Quant Time: Aug 30 05:15:17 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	421698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	680763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	648938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	344058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	282439	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	4.86	113	238214	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	7.55	98	920005	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	10.29	95	336952	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	93551	22.058	ug/l	99
3) Chloromethane	1.32	50	118099	19.579	ug/l	99
4) Vinyl Chloride	1.40	62	118869	21.059	ug/l	98
5) Bromomethane	1.61	94	63136	19.719	ug/l	99
6) Chloroethane	1.69	64	72114	20.897	ug/l	99
7) Trichlorofluoromethane	1.88	101	140611	21.499	ug/l	98
8) Diethyl Ether	2.09	74	60278	21.544	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	88846	21.443	ug/l	99
10) Methyl Iodide	2.40	142	67630	11.506	ug/l	99
11) Tert butyl alcohol	2.81	59	120603	96.788	ug/l	99
12) 1,1-Dichloroethene	2.27	96	90331	21.397	ug/l	98
13) Acrolein	2.18	56	44855	85.572	ug/l	99
14) Allyl chloride	2.58	41	165968m	20.910	ug/l	
15) Acrylonitrile	2.92	53	309507	108.246	ug/l	99
16) Acetone	2.31	43	259467	94.110	ug/l	99
17) Carbon Disulfide	2.46	76	266742	19.964	ug/l	100
18) Methyl Acetate	2.60	43	149025	20.917	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	305524	22.088	ug/l	100
20) Methylene Chloride	2.68	84	110630	21.196	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	97495	21.279	ug/l	98
22) Diisopropyl ether	3.55	45	322194	22.152	ug/l	95
23) Vinyl Acetate	3.50	43	1345358	107.678	ug/l	99
24) 1,1-Dichloroethane	3.42	63	190043	22.132	ug/l	99
25) 2-Butanone	4.24	43	408368	106.463	ug/l	100
26) 2,2-Dichloropropane	4.20	77	130225	18.638	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	110423	21.472	ug/l	97
28) Bromochloromethane	4.52	49	87830	20.761	ug/l	100
29) Tetrahydrofuran	4.61	42	259480	109.692	ug/l	99
30) Chloroform	4.65	83	181150	21.144	ug/l	97
31) Cyclohexane	4.97	56	167711	20.785	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	150016	21.380	ug/l	99
36) 1,1-Dichloropropene	5.12	75	133047	20.662	ug/l	98
37) Ethyl Acetate	4.36	43	149301	20.706	ug/l	99
38) Carbon Tetrachloride	5.11	117	128357	20.651	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	150359	19.812	ug/l	98
40) Benzene	5.37	78	411574	21.126	ug/l	100
41) Methacrylonitrile	4.52	41	78386	21.197	ug/l	98
42) 1,2-Dichloroethane	5.38	62	140494	20.884	ug/l	98
43) Isopropyl Acetate	5.53	43	221409	20.183	ug/l	99
44) Trichloroethene	6.17	130	109146	21.334	ug/l	98
45) 1,2-Dichloropropane	6.41	63	112425	20.964	ug/l	99
46) Dibromomethane	6.54	93	72218	20.902	ug/l	99
47) Bromodichloromethane	6.74	83	140147	20.732	ug/l	98
48) Methyl methacrylate	6.60	41	107123	20.236	ug/l	99
49) 1,4-Dioxane	6.59	88	52903	398.865	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	765076	100.988	ug/l	99
52) Toluene	7.62	92	257240	21.434	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	145550	19.405	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	166491	20.317	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	100499	19.797	ug/l	96
56) Ethyl methacrylate	8.00	69	147307	18.126	ug/l	97
57) 1,3-Dichloropropane	8.22	76	177193	20.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	271029	96.506	ug/l	100
59) 2-Hexanone	8.34	43	577607	100.995	ug/l	98
60) Dibromochloromethane	8.46	129	108787	19.964	ug/l	100
61) 1,2-Dibromoethane	8.57	107	106983	20.006	ug/l	99
64) Tetrachloroethene	8.21	164	94606	21.708	ug/l	98
65) Chlorobenzene	9.10	112	279135	20.902	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	96204	19.867	ug/l	99
67) Ethyl Benzene	9.23	91	466703	20.616	ug/l	100
68) m/p-Xylenes	9.36	106	361595	42.008	ug/l	99
69) o-Xylene	9.76	106	172125	20.843	ug/l	99
70) Styrene	9.77	104	302418	21.358	ug/l	100
71) Bromoform	9.94	173	80646	19.168	ug/l #	99
73) Isopropylbenzene	10.15	105	460120	19.910	ug/l	99
74) N-amyl acetate	10.00	43	189060	19.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	172441	19.495	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	147991m	19.085	ug/l	
77) Bromobenzene	10.43	156	123560	19.876	ug/l	99
78) n-propylbenzene	10.57	91	546166	20.293	ug/l	99
79) 2-Chlorotoluene	10.64	91	329878	20.434	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	405745	20.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	41684m	18.101	ug/l	
82) 4-Chlorotoluene	10.76	91	379118	20.420	ug/l	100
83) tert-Butylbenzene	11.08	119	374915	19.443	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	400410	20.587	ug/l	99
85) sec-Butylbenzene	11.30	105	461838	19.984	ug/l	99
86) p-Isopropyltoluene	11.46	119	424111	20.291	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	222359	20.204	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	223639	20.093	ug/l	99
89) n-Butylbenzene	11.87	91	370990	20.132	ug/l	100
90) Hexachloroethane	12.12	117	61718	17.078	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	215499	20.441	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33262	18.875	ug/l	98

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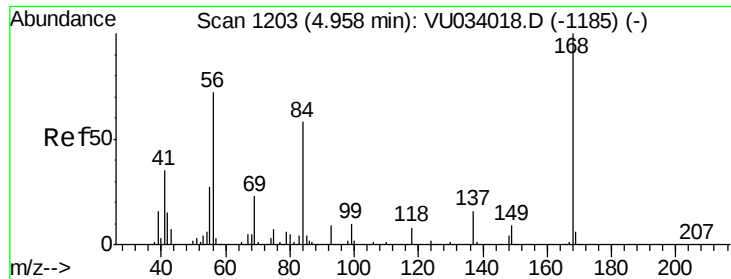
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	139433	19.293	ug/l	99
94) Hexachlorobutadiene	13.67	225	77785	18.860	ug/l	100
95) Naphthalene	13.73	128	380101	18.856	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	141197	20.907	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion:168 Resp: 421698

Ion Ratio Lower Upper

168 100

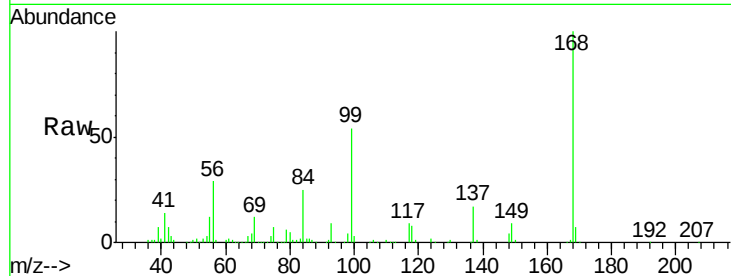
99 53.8 42.3 63.5

Manual Integrations

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8/30/2019 12:52:41 PM



Abundance Ion 167.90 (167.60 to 168.60): VU034071.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034071.D (-1110) (-)

4.96

200000

150000

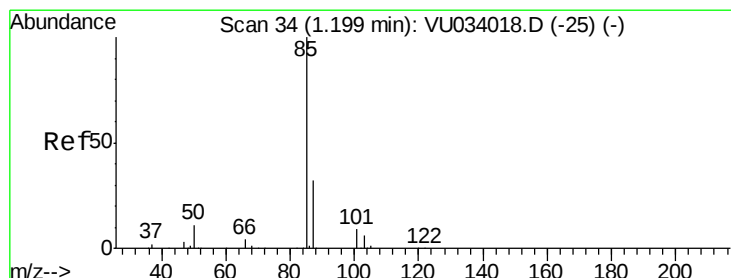
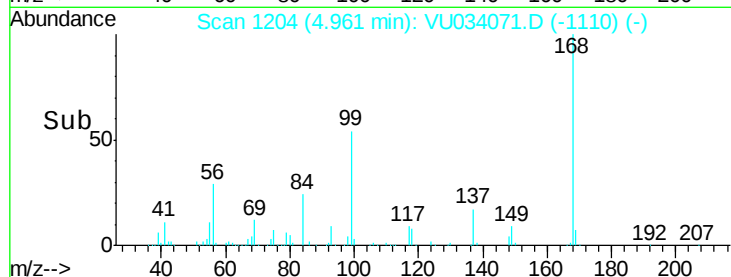
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50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.058 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034071.D

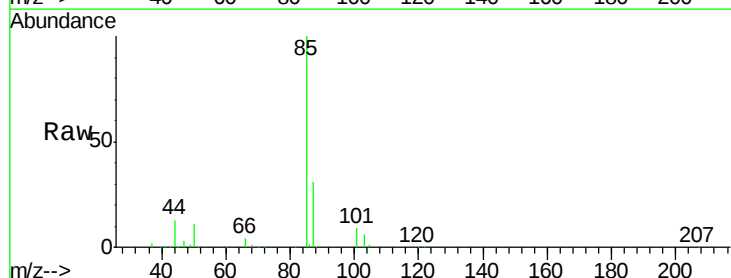
Acq: 29 Aug 2019 18:46

Tgt Ion: 85 Resp: 93551

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034071.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034071.D (-1) (-)

1.20

100000

80000

60000

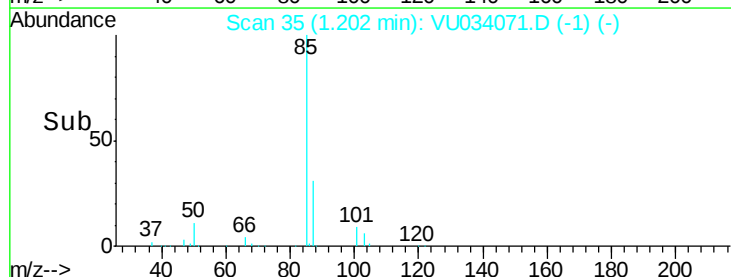
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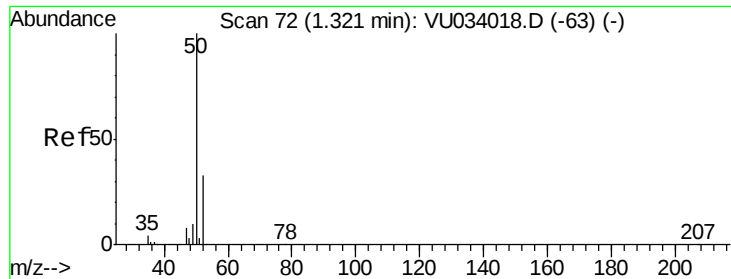
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.579 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 50 Resp: 118099

Ion Ratio Lower Upper

50 100

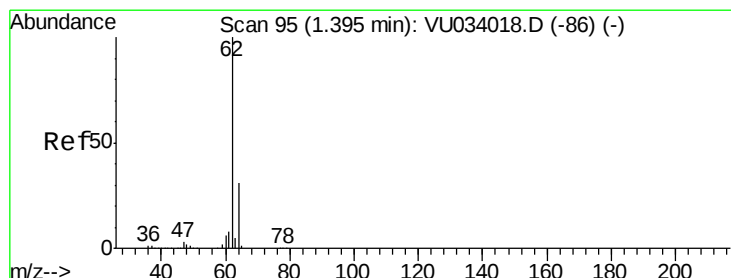
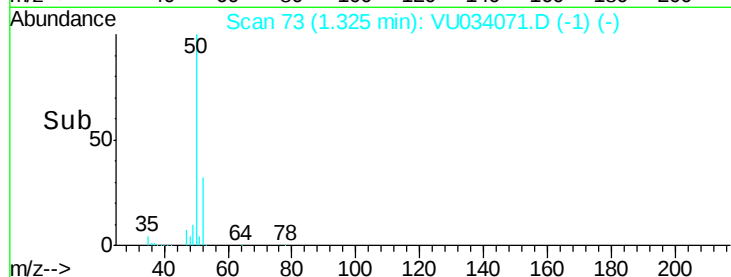
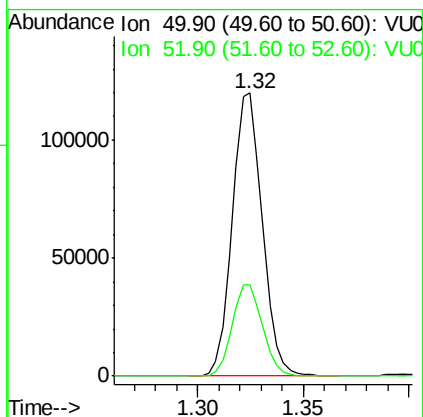
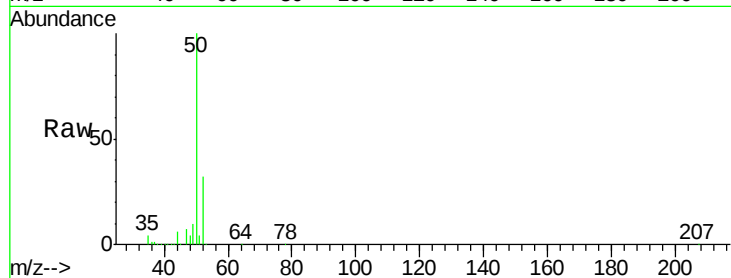
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.059 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034071.D

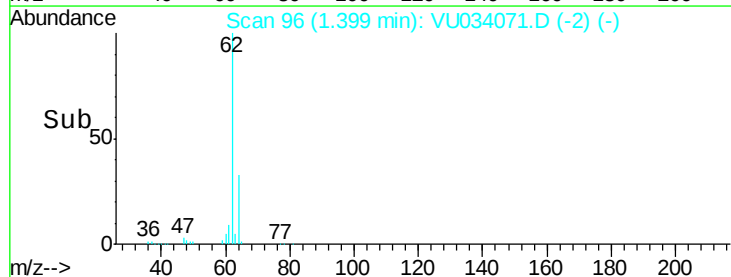
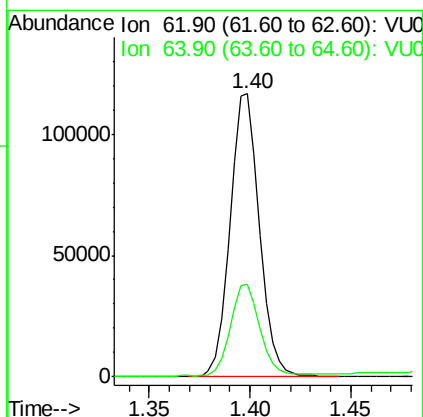
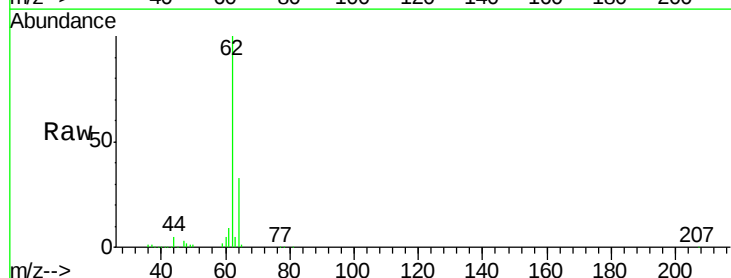
Acq: 29 Aug 2019 18:46

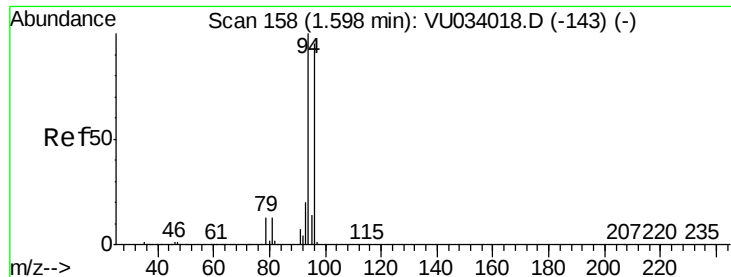
Tgt Ion: 62 Resp: 118869

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 19.719 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.02 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 94 Resp: 63136

Ion Ratio Lower Upper

94 100

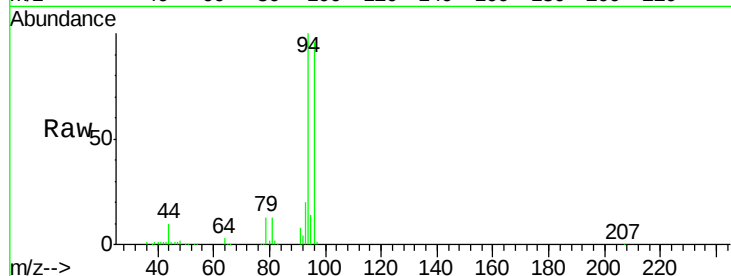
96 96.3 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034071.D (-163) (-)

Ion 95.90 (95.60 to 96.60): VU034071.D (-163) (-)

1.61

50000

40000

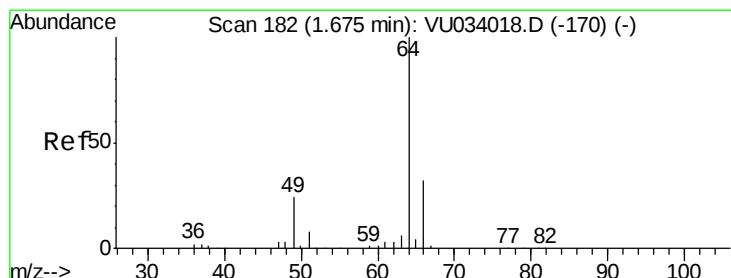
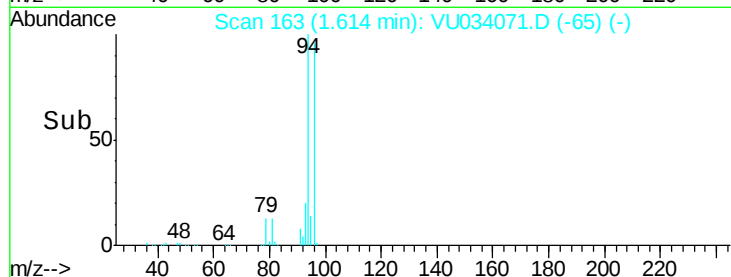
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.897 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034071.D

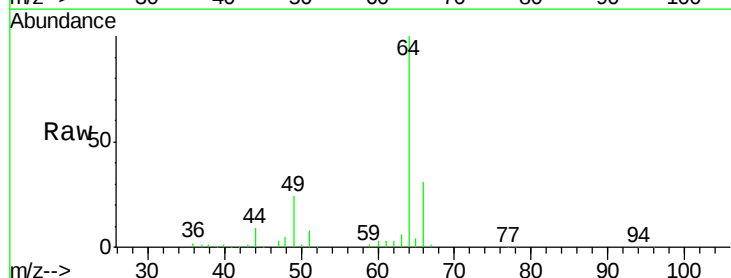
Acq: 29 Aug 2019 18:46

Tgt Ion: 64 Resp: 72114

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034071.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034071.D (-186) (-)

1.69

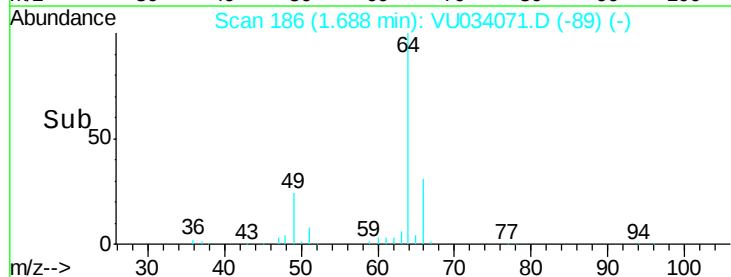
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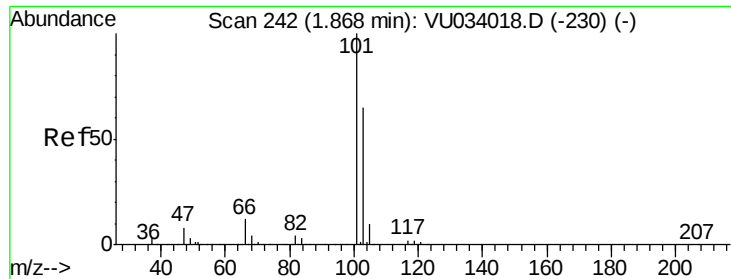
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20000

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Time-->





#7

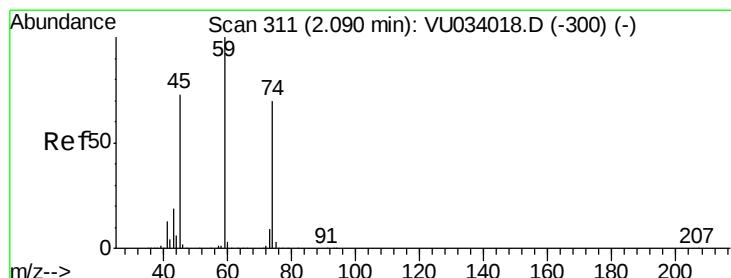
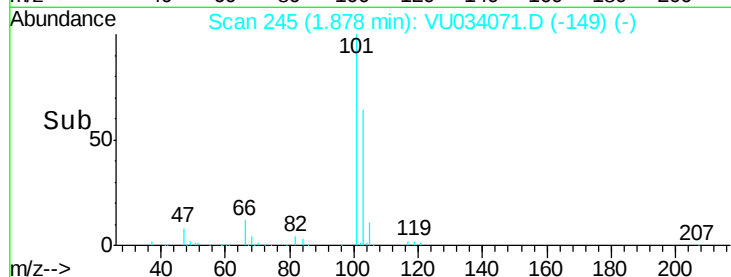
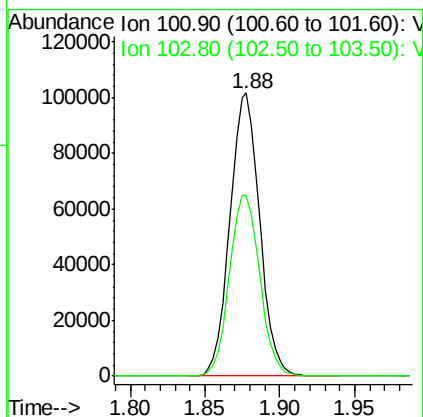
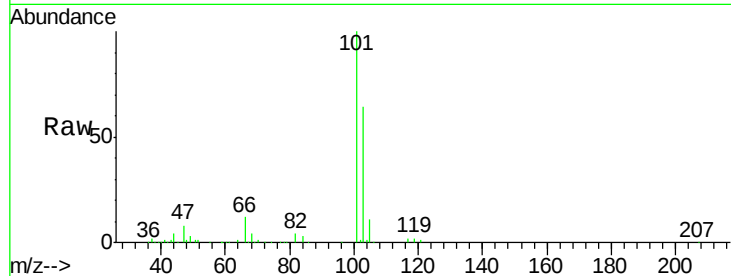
Trichlorofluoromethane
 Concen: 21.499 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

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 VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	140611		
103	63.9	52.1	78.1	

Manual Integrations
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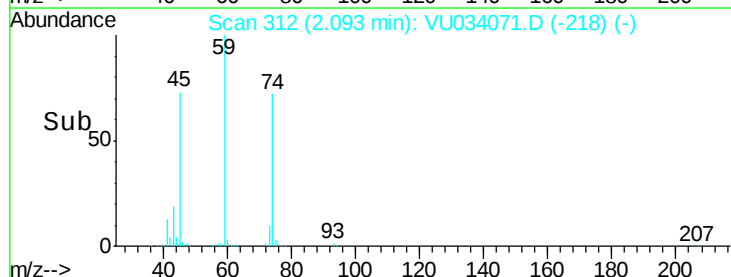
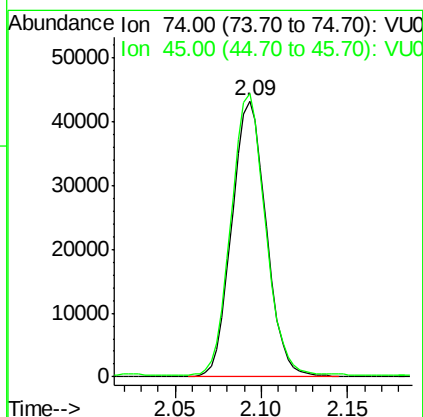
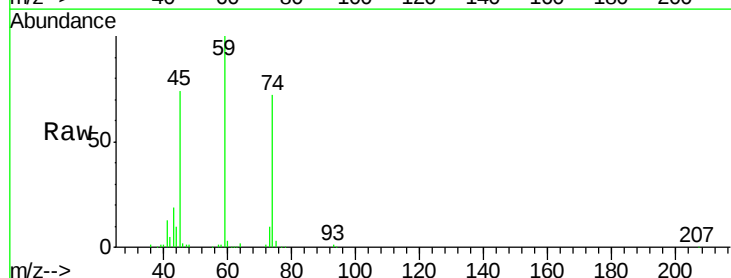
MMDadoda
 8/30/2019 12:52:41 PM

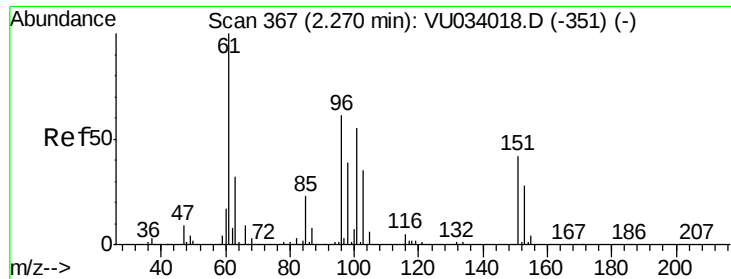


#8

Diethyl Ether
 Concen: 21.544 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60278		
45	101.9	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.443 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

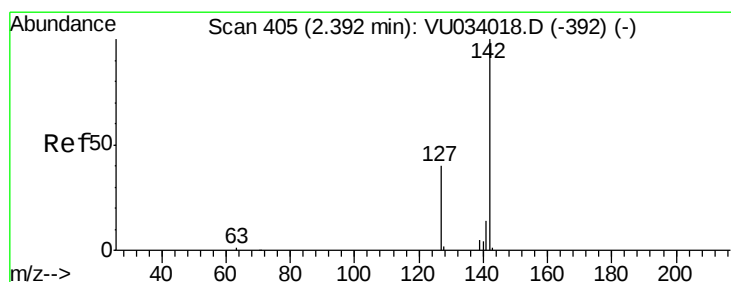
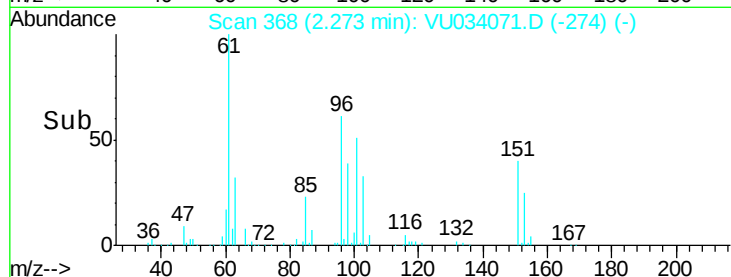
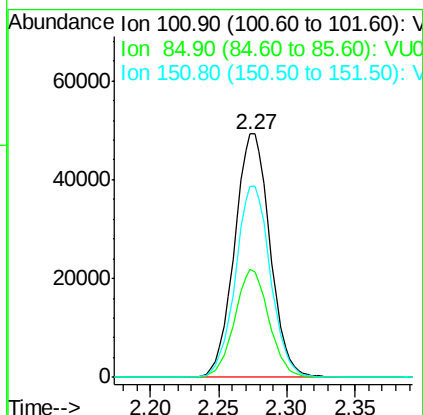
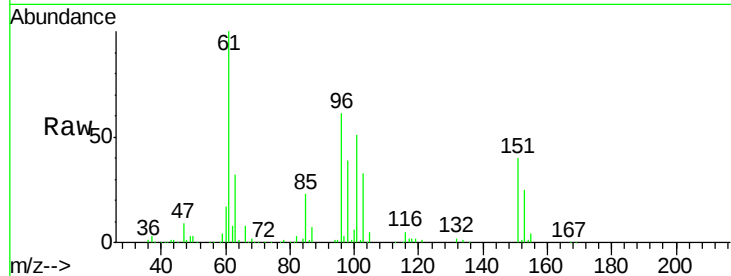
ClientSampleId :

VU0830WBSD01

Tot Ion:	101	Resp:	88846
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.2
151	77.5	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 11.506 ug/l

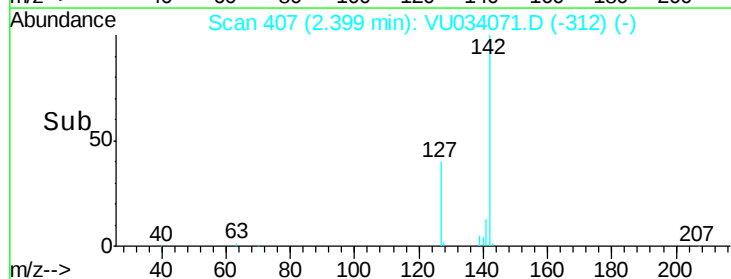
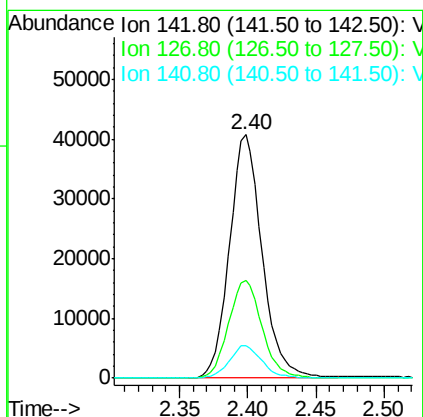
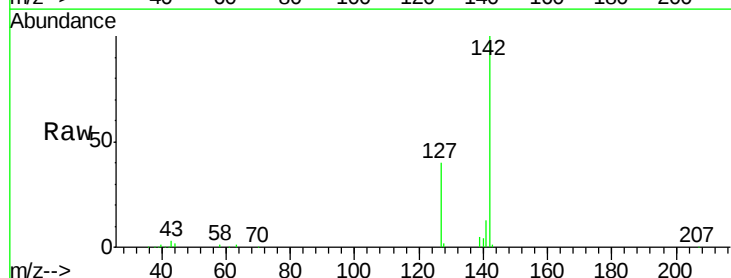
RT: 2.40 min Scan# 407

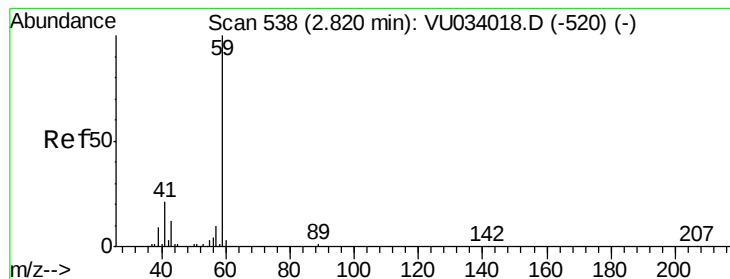
Delta R.T. 0.01 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	142	Resp:	67630
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.6	48.8
141	13.3	11.3	16.9





#11

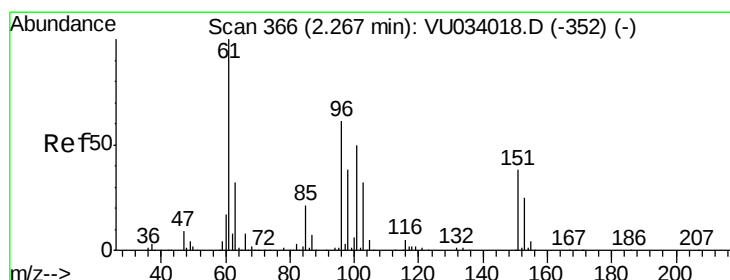
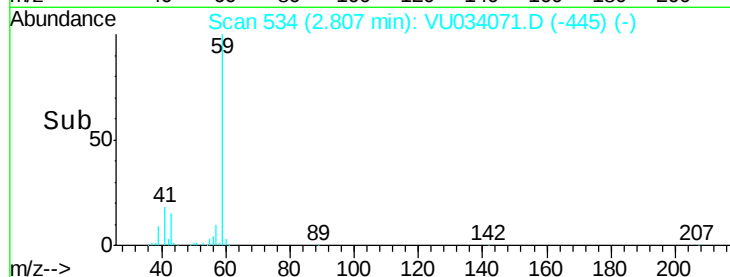
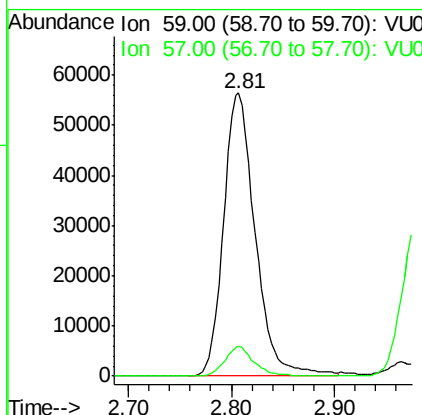
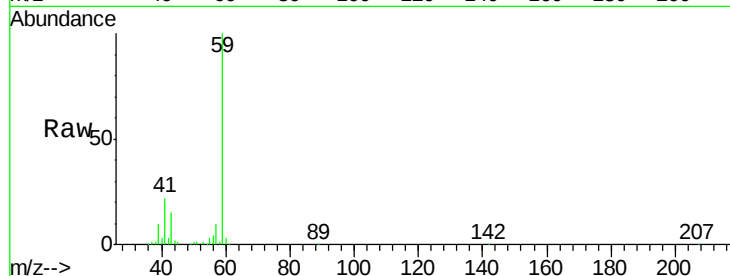
Tert butyl alcohol
 Concen: 96.788 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	120603		
57	57	9.6		8.0	12.0

Manual Integrations
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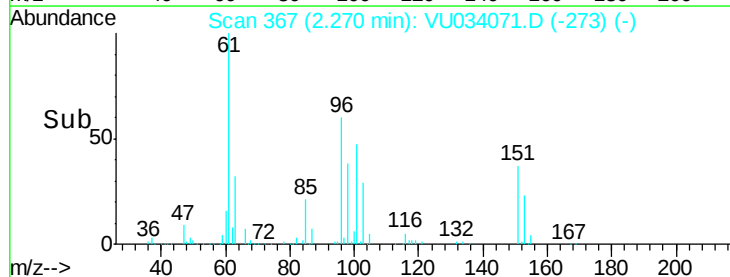
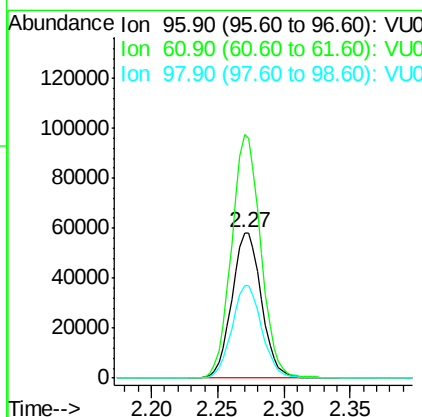
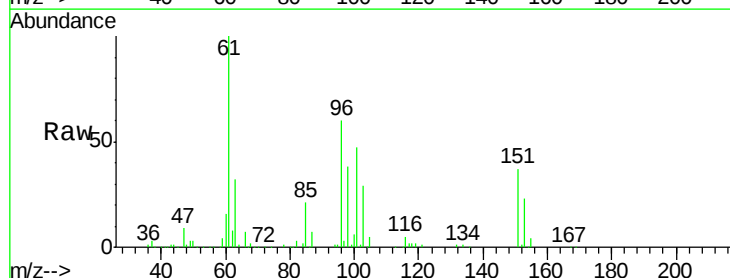
MMDadoda
 8/30/2019 12:52:41 PM

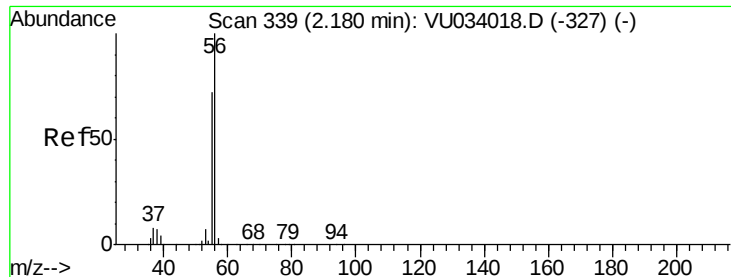


#12

1,1-Dichloroethene
 Concen: 21.397 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	90331		
61	61	167.7		131.3	196.9
98	98	63.4		50.3	75.5





#13

Acrolein

Concen: 85.572 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 56 Resp: 44855

Ion Ratio Lower Upper

56 100

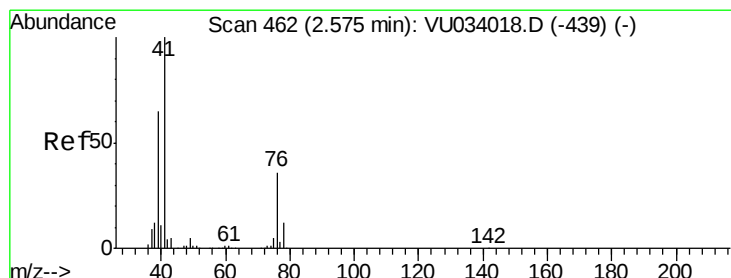
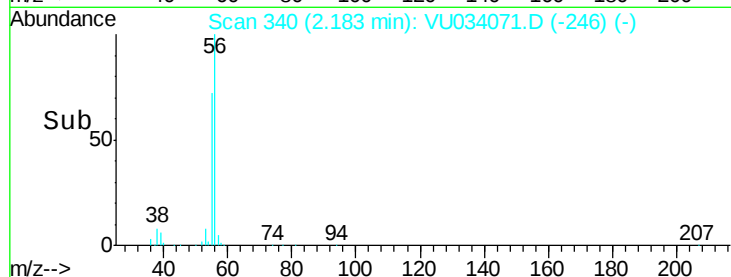
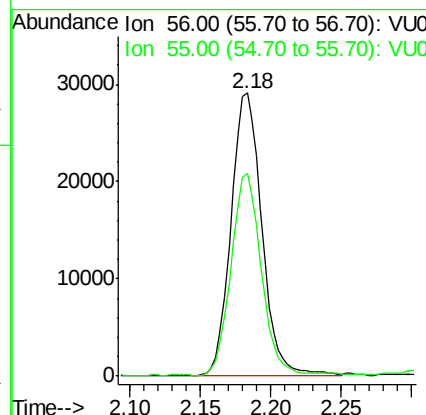
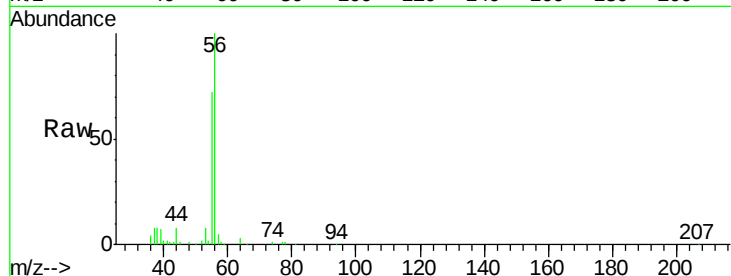
55 70.3 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 20.910 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

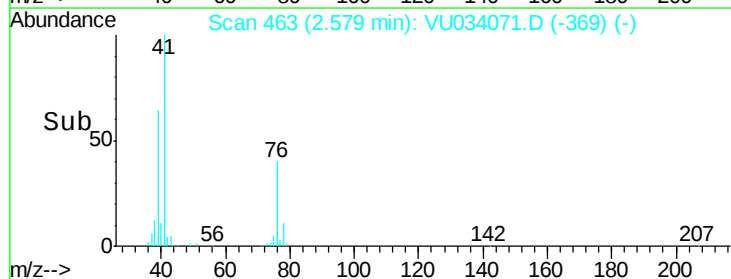
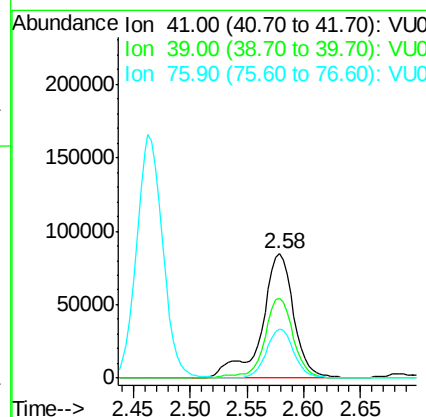
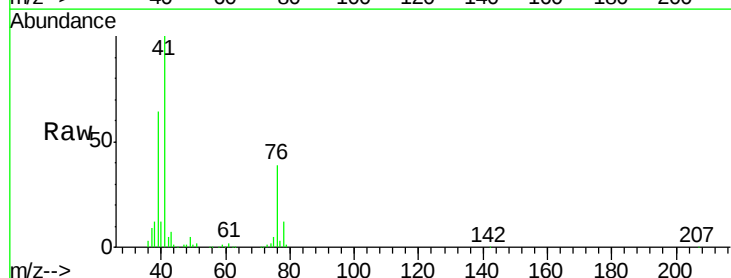
Tgt Ion: 41 Resp: 165968

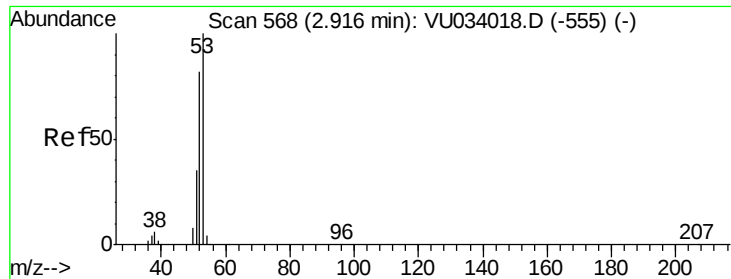
Ion Ratio Lower Upper

41 100

39 57.0 46.8 70.2

76 33.6 26.6 40.0





#15

Acrylonitrile

Concen: 108.246 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

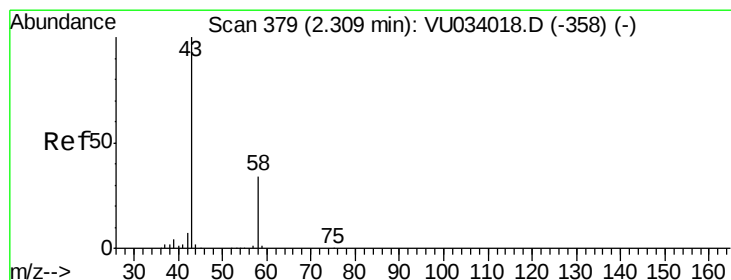
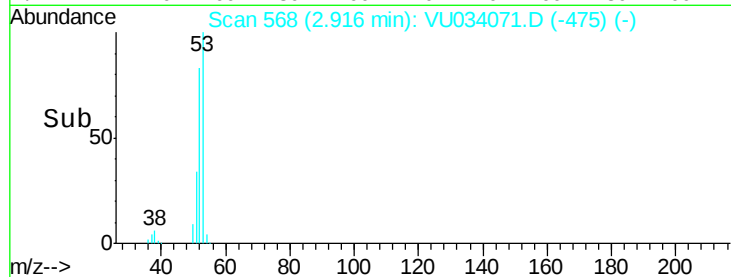
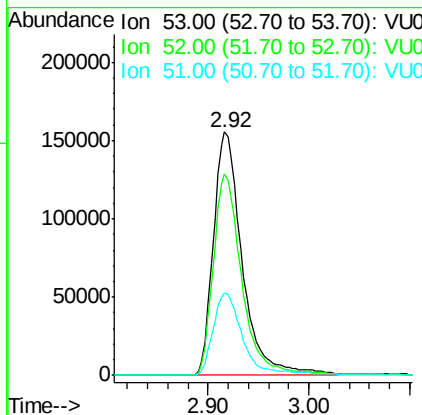
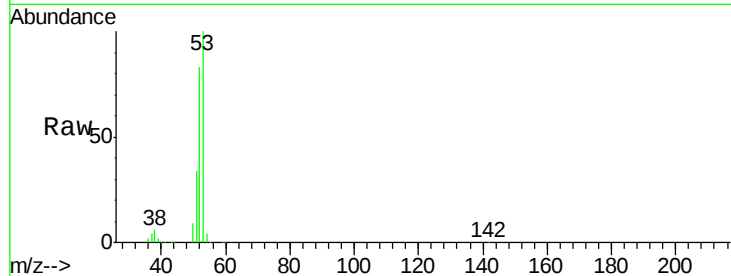
ClientSampleId :

VU0830WBSD01

Tot Ion:	53	Resp:	309507
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 94.110 ug/l

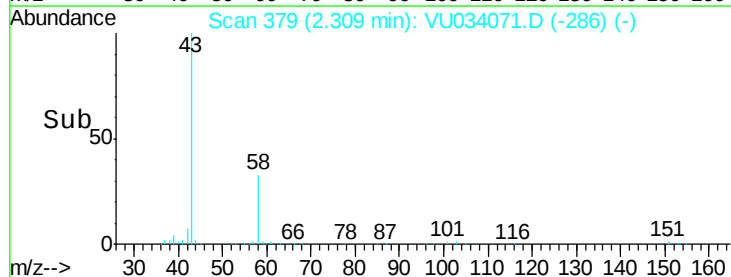
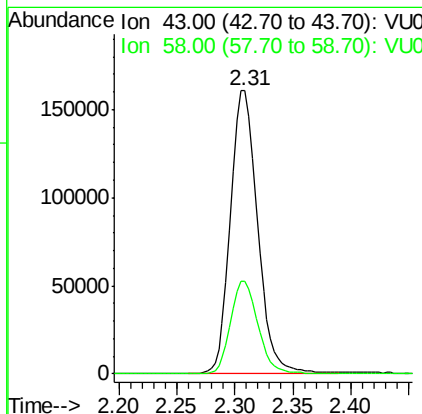
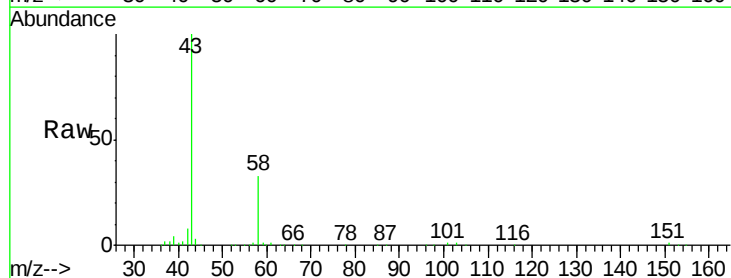
RT: 2.31 min Scan# 379

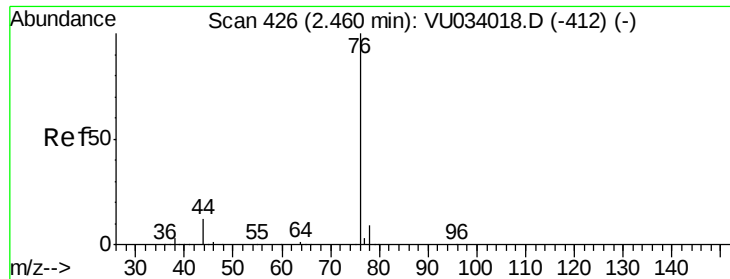
Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	43	Resp:	259467
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.8	40.2





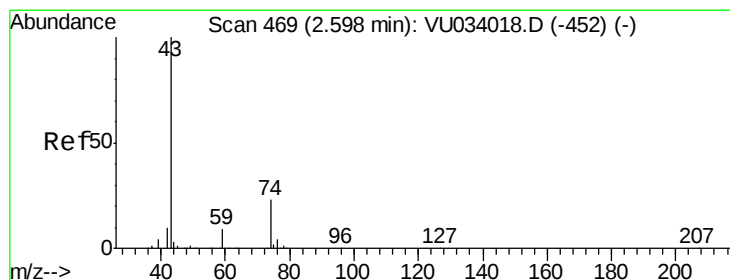
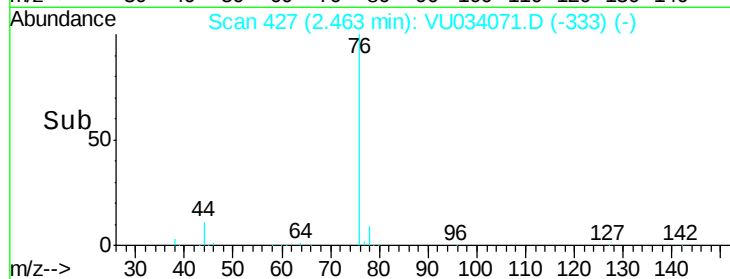
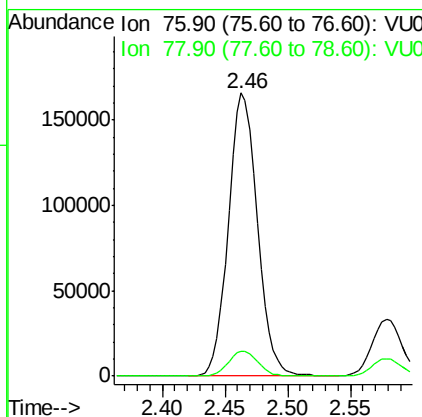
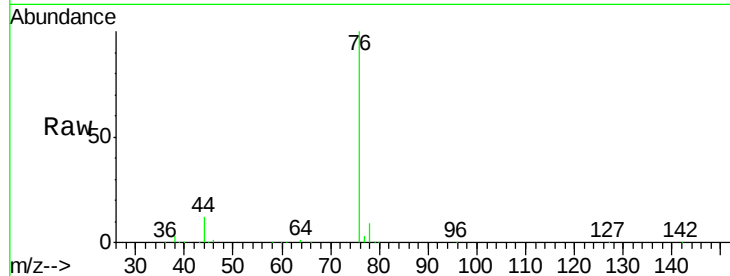
#17
Carbon Disulfide
Concen: 19.964 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

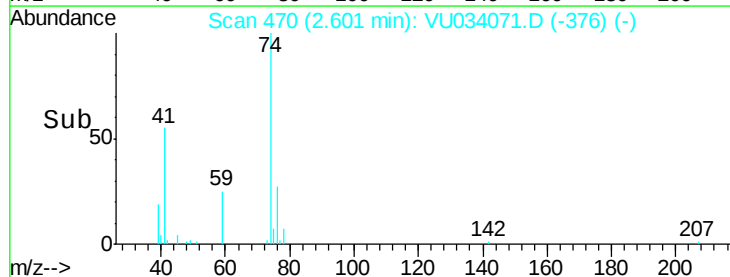
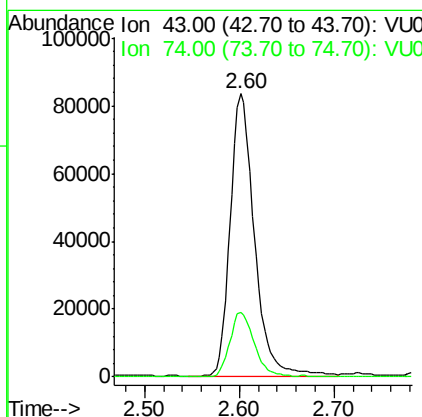
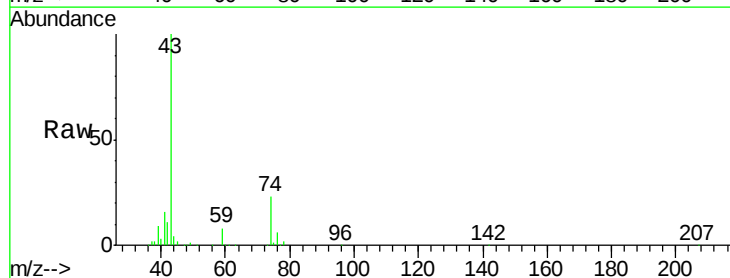
Manual Integrations
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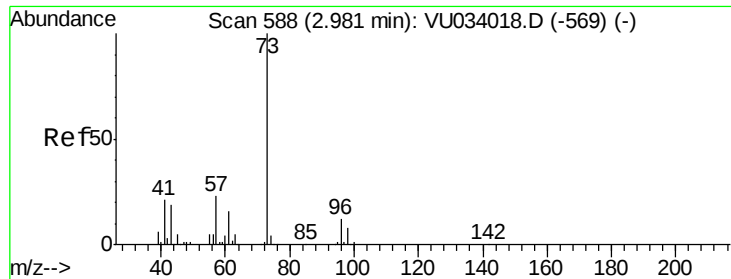
MMDadoda
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#18
Methyl Acetate
Concen: 20.917 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8





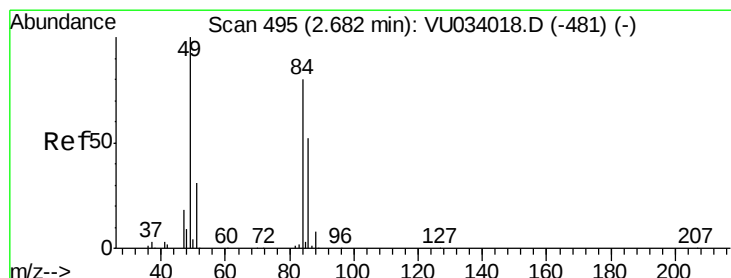
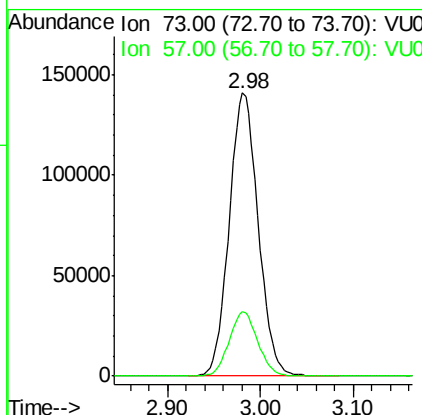
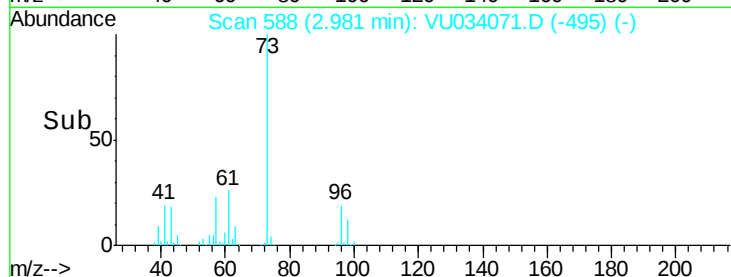
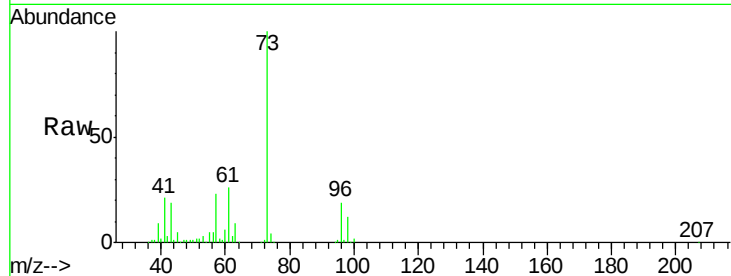
#19
Methvl tert-butvl Ether
Concen: 22.088 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion: 73 Resp: 305524
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

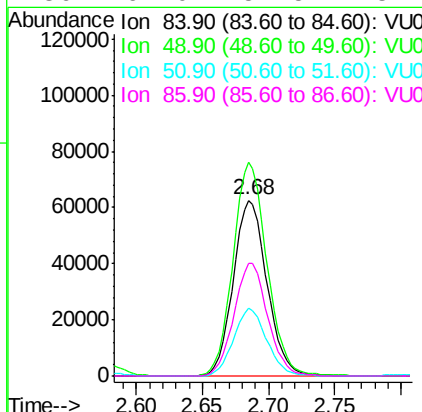
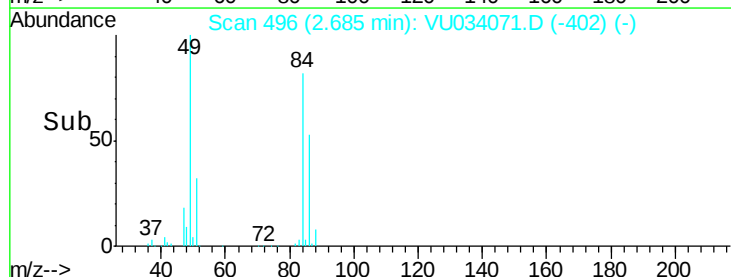
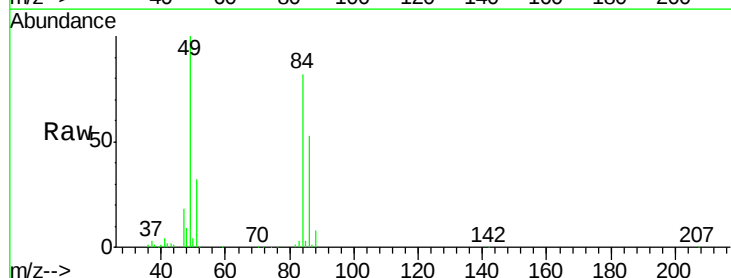
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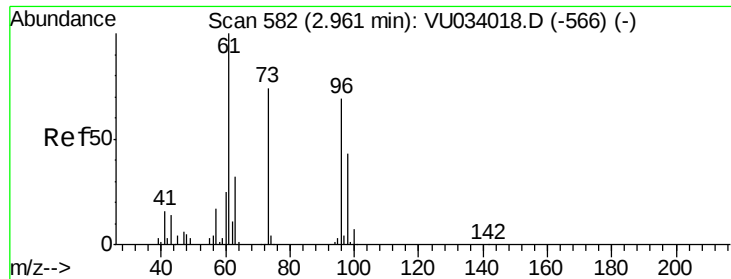
MMDadoda
8/30/2019 12:52:41 PM



#20
Methylene Chloride
Concen: 21.196 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion: 84 Resp: 110630
Ion Ratio Lower Upper
84 100
49 121.6 100.2 150.4
51 38.5 30.8 46.2
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 21.279 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

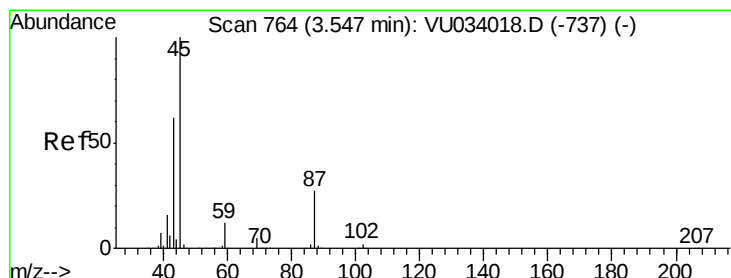
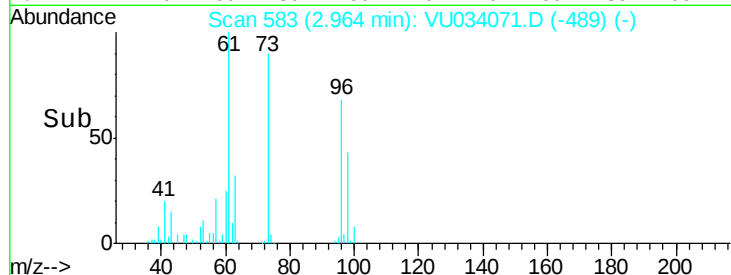
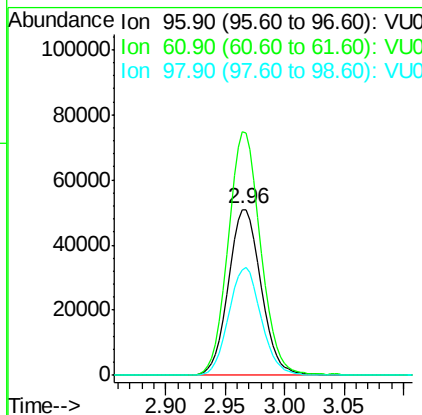
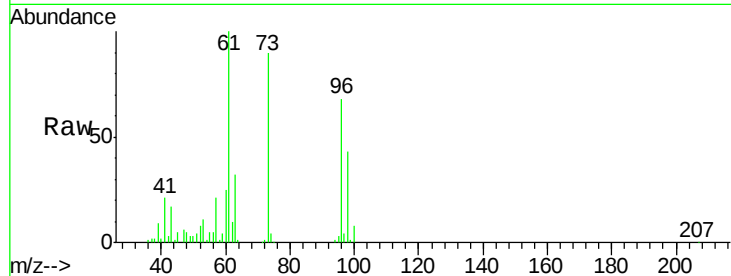
ClientSampleId :

VU0830WBSD01

Tot Ion:	96	Resp:	97495
Ion	Ratio	Lower	Upper
96	100		
61	146.8	115.5	173.3
98	63.8	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.152 ug/l

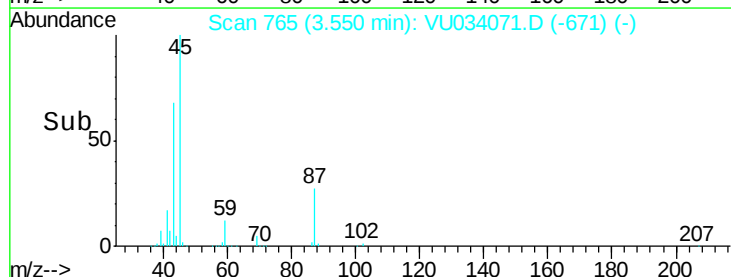
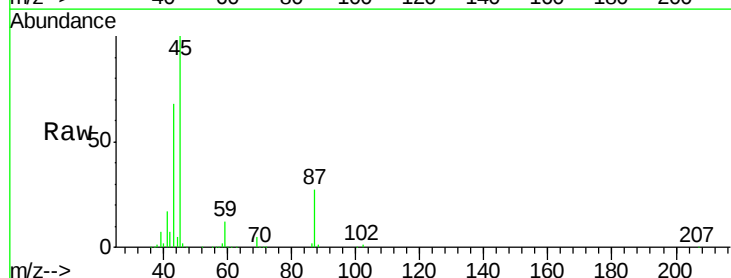
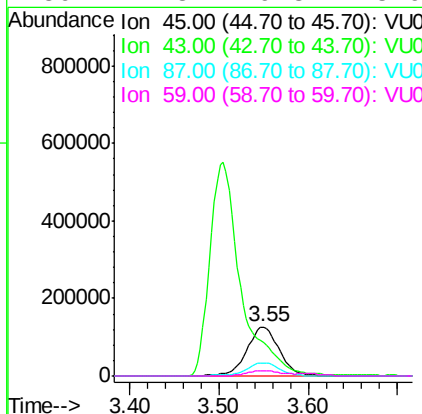
RT: 3.55 min Scan# 765

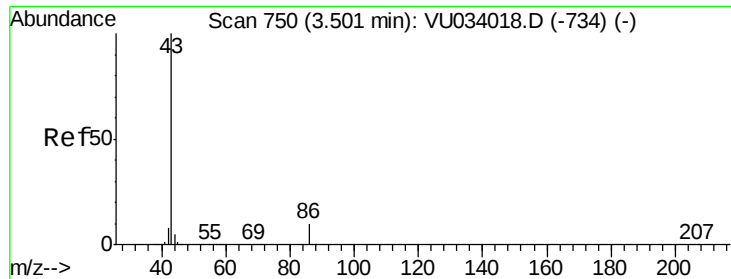
Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	45	Resp:	322194
Ion	Ratio	Lower	Upper
45	100		
43	67.9	49.7	74.5
87	27.0	21.8	32.8
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 107.678 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 43 Resp: 1345358

Ion Ratio Lower Upper

43 100

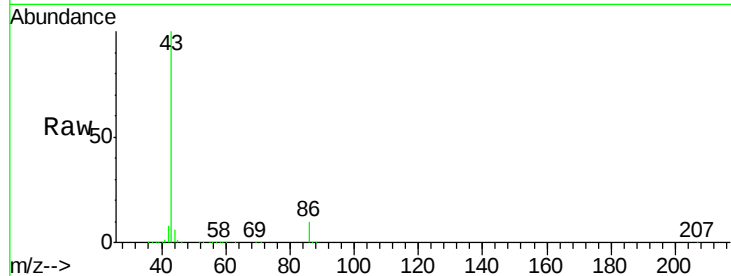
86 10.1 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034071.D (-657) (-)

Ion 86.00 (85.70 to 86.70): VU034071.D (-657) (-)

3.50

600000

500000

400000

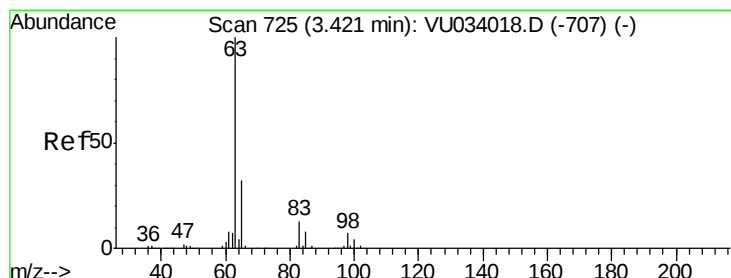
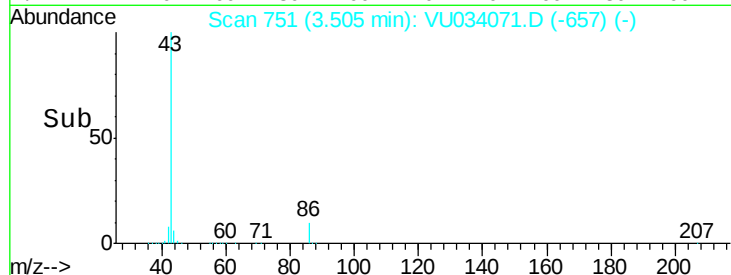
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.132 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

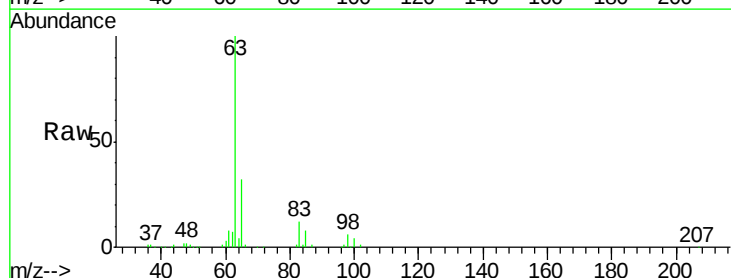
Tgt Ion: 63 Resp: 190043

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034071.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034071.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034071.D (-632) (-)

3.42

100000

80000

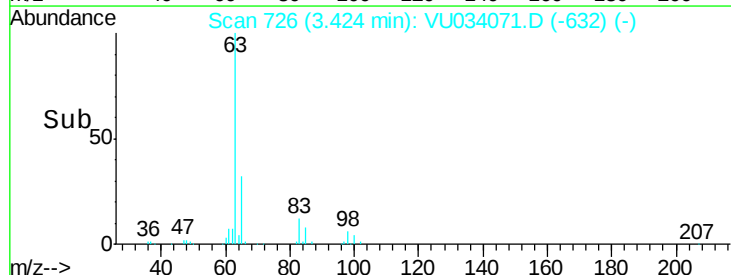
60000

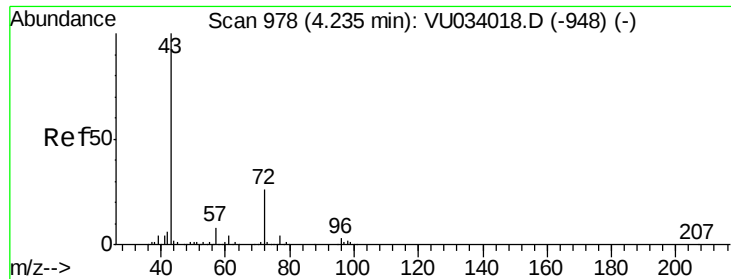
40000

20000

0

Time-->





#25

2-Butanone

Concen: 106.463 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampled :

VU0830WBSD01

Tot Ion: 43 Resp: 408368

Ion Ratio Lower Upper

43 100

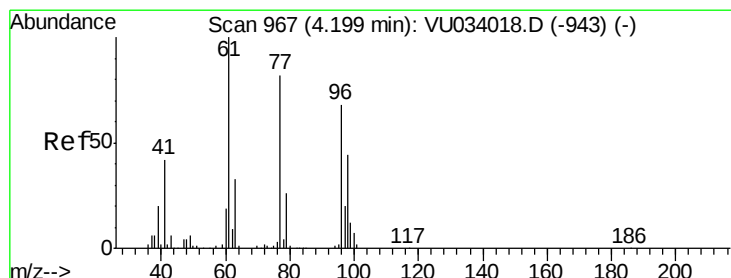
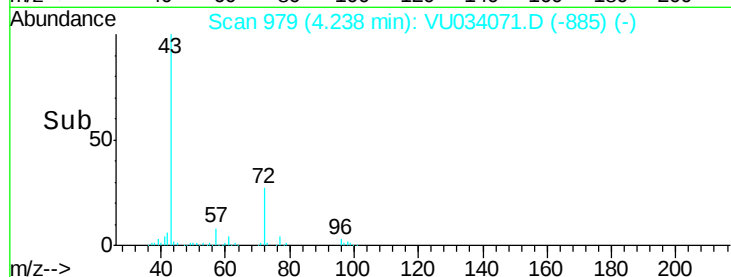
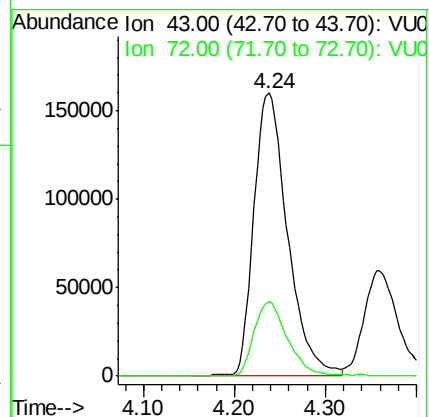
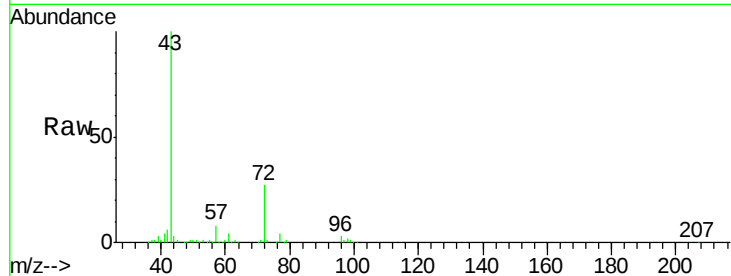
72 26.6 21.2 31.8

Manual Integrations

APPROVED

MMDadoda

8/30/2019 12:52:41 PM



#26

2,2-Dichloropropane

Concen: 18.638 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034071.D

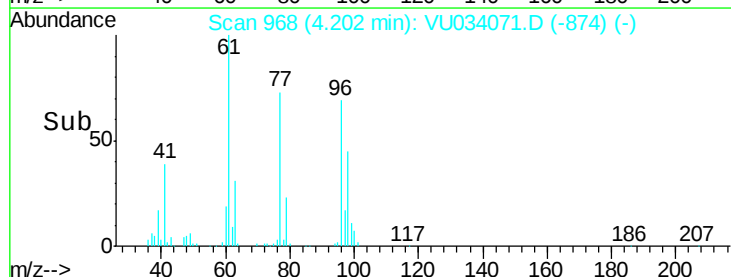
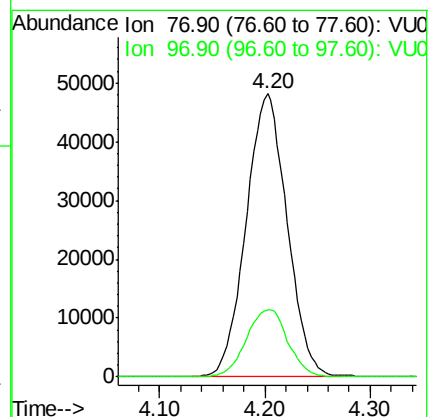
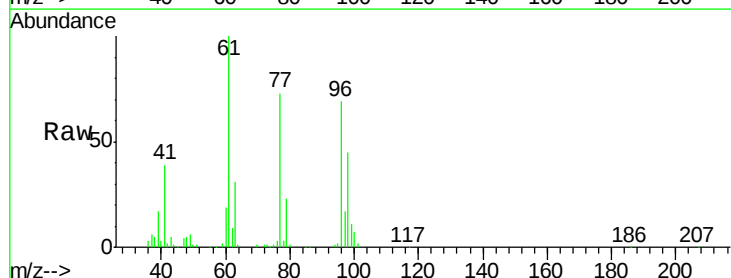
Acq: 29 Aug 2019 18:46

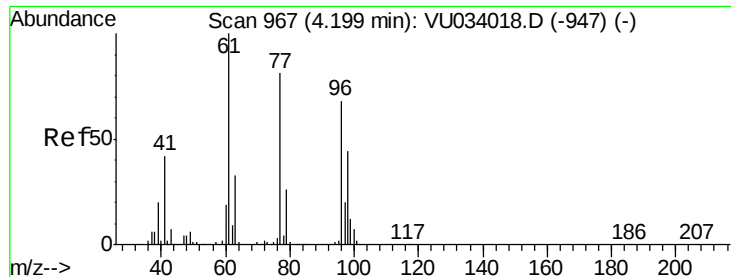
Tgt Ion: 77 Resp: 130225

Ion Ratio Lower Upper

77 100

97 24.1 11.6 34.7





#27

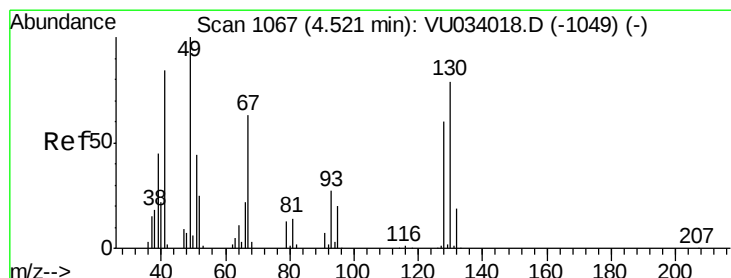
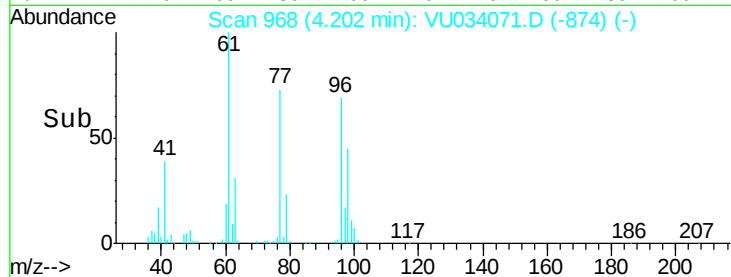
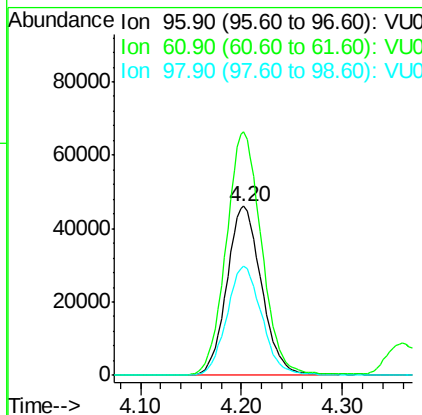
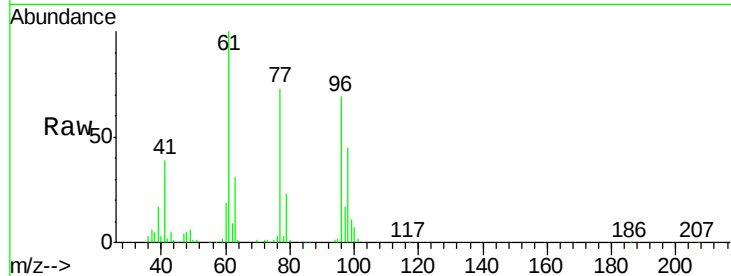
cis-1,2-Dichloroethene
Concen: 21.472 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.4	0.0	303.0	
98	65.0	0.0	129.2	

Manual Integrations
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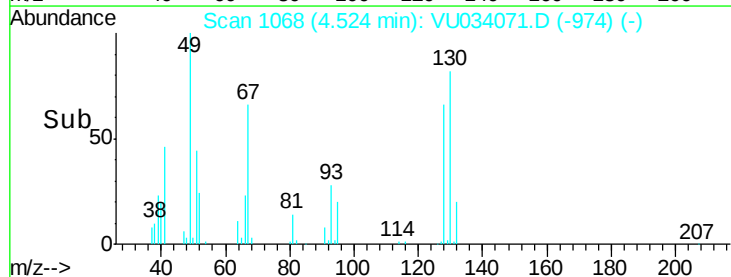
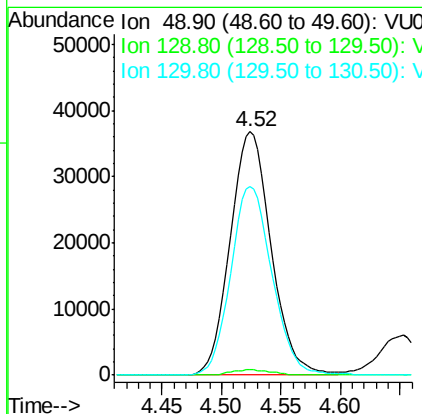
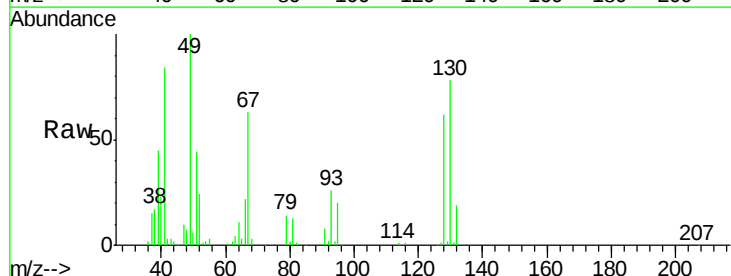
MMDadoda
8/30/2019 12:52:41 PM

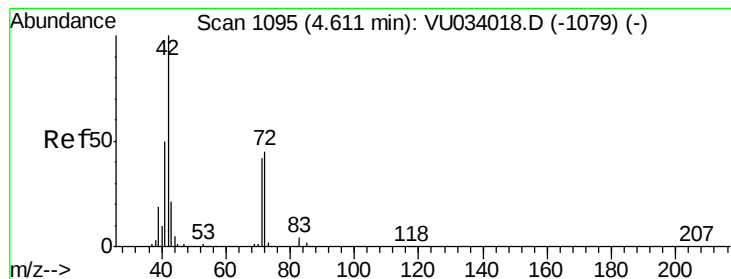


#28

Bromochloromethane
Concen: 20.761 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.6	
130	78.2	62.8	94.2	





#29

Tetrahydrofuran

Concen: 109.692 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

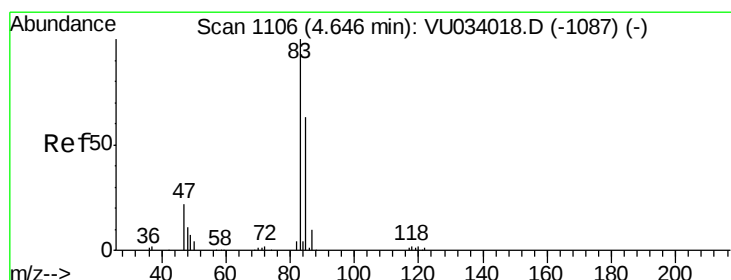
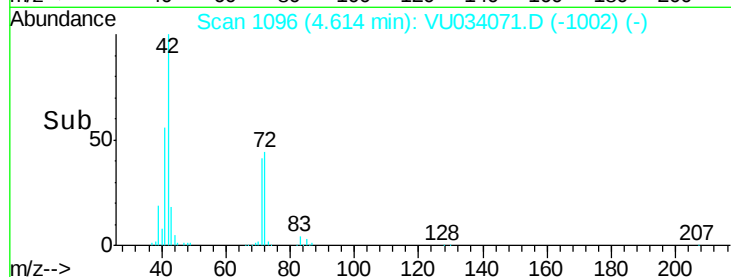
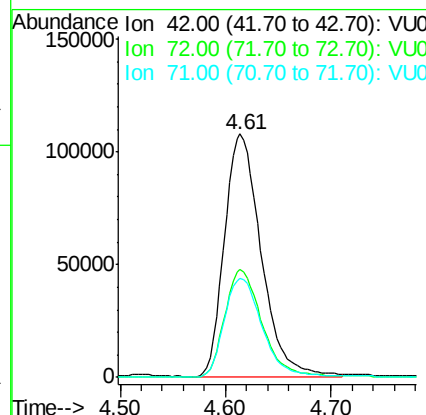
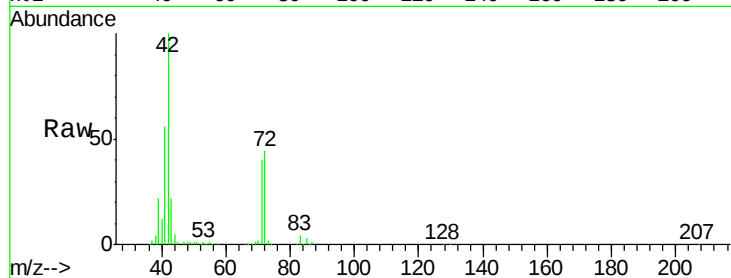
ClientSampleId :

VU0830WBSD01

Tot Ion:	42	Resp:	259480
Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.8	53.6
71	42.7	34.0	51.0

Manual Integrations
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#30

Chloroform

Concen: 21.144 ug/l

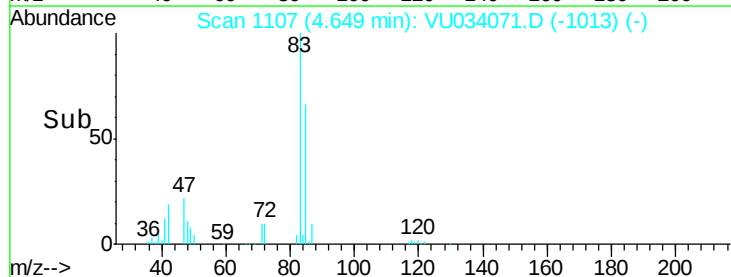
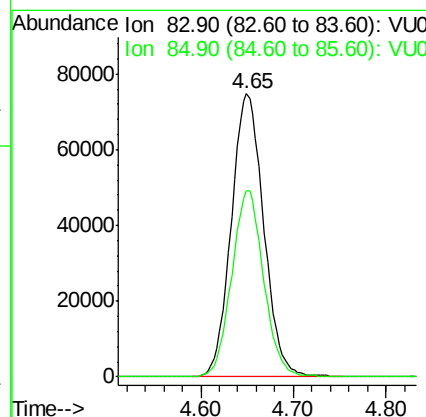
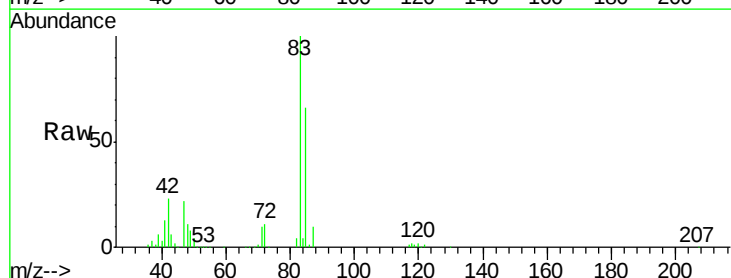
RT: 4.65 min Scan# 1107

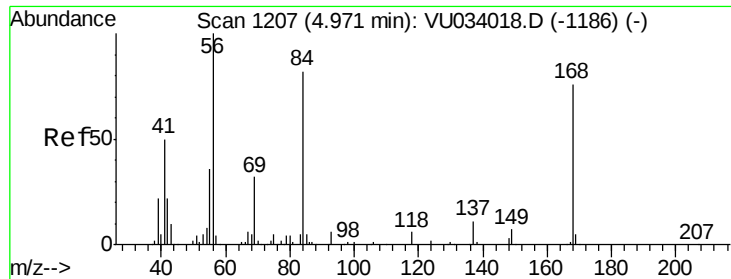
Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	83	Resp:	181150
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.7	76.1





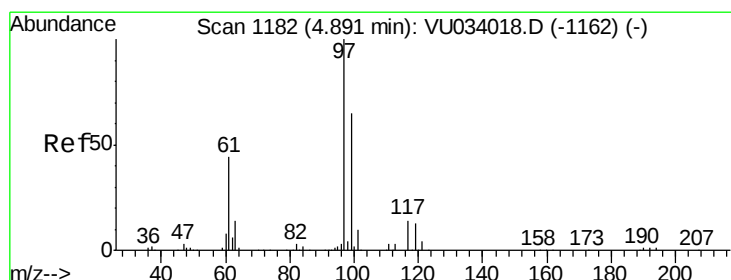
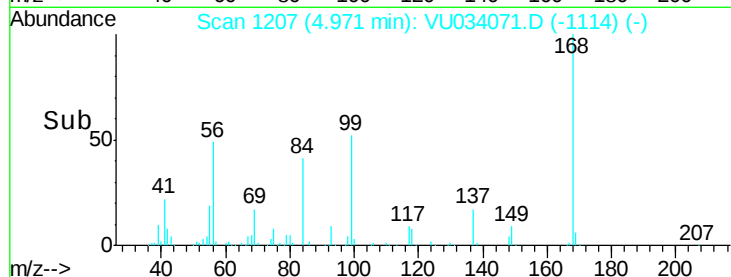
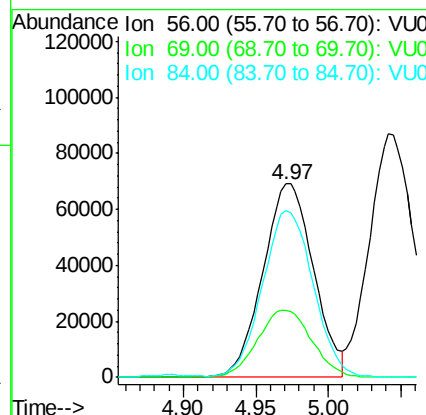
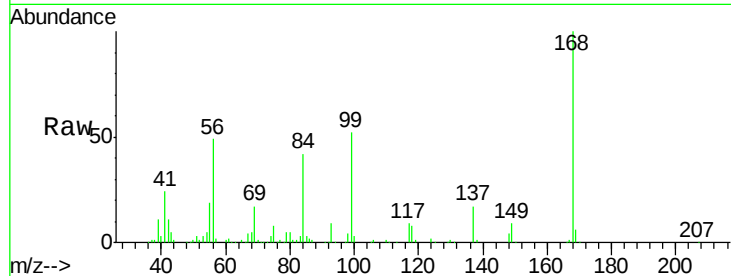
#31
Cyclohexane
Concen: 20.785 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	25.4	38.0
84	85.2	65.8	98.8

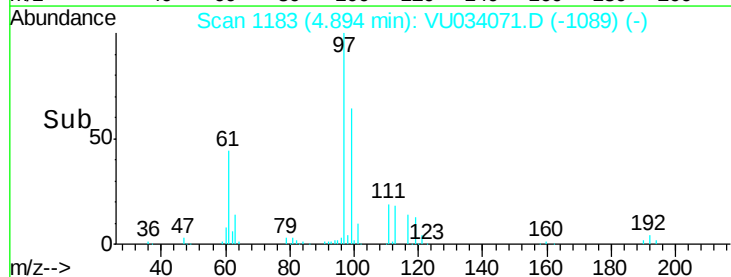
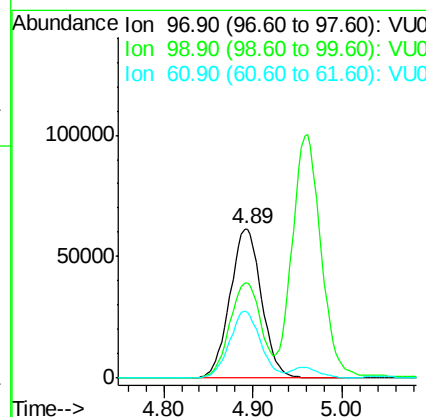
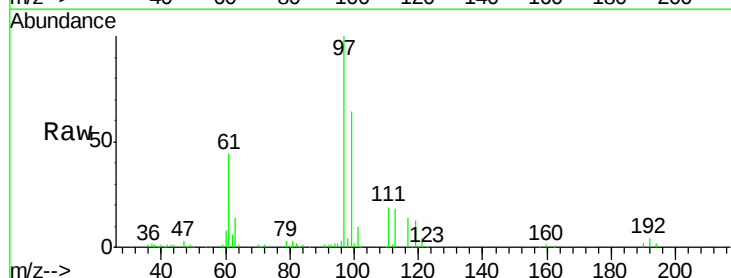
Manual Integrations
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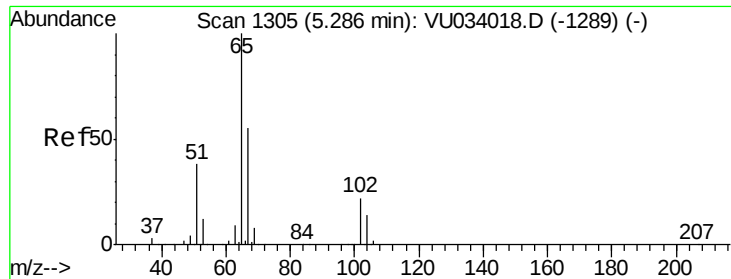
MMDadoda
8/30/2019 12:52:41 PM



#32
1,1,1-Trichloroethane
Concen: 21.380 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	43.8	35.3	52.9





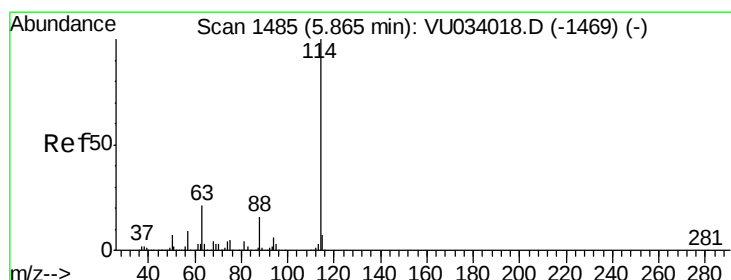
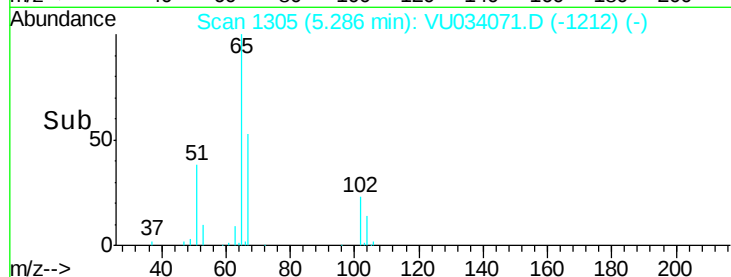
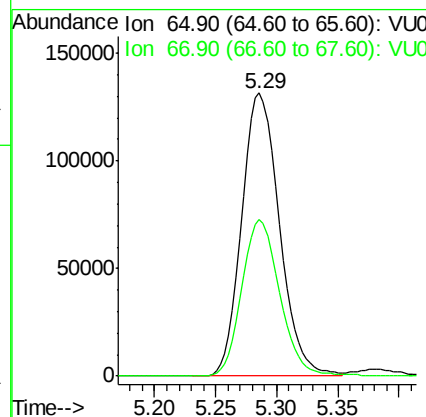
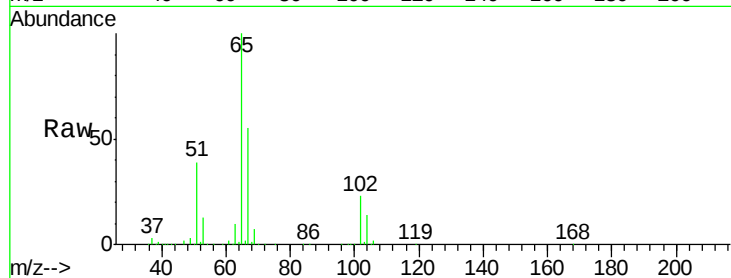
#33
 1,2-Dichloroethane-d4
 Concen: 52.271 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	282439		
67	55.5	0.0	110.6	

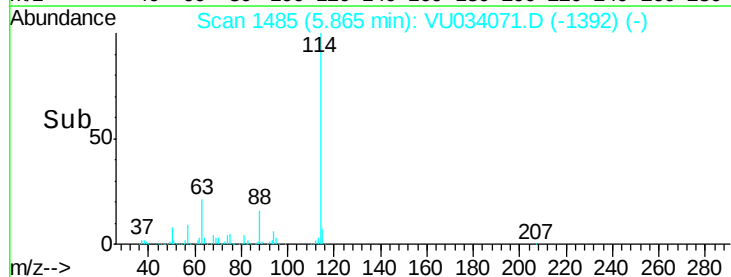
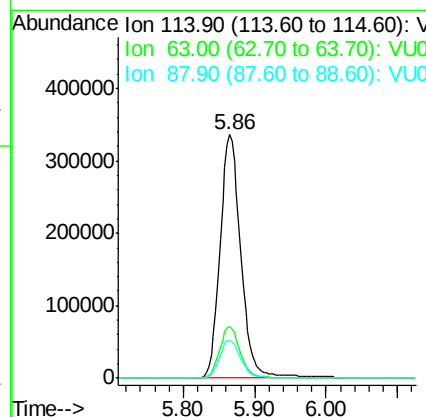
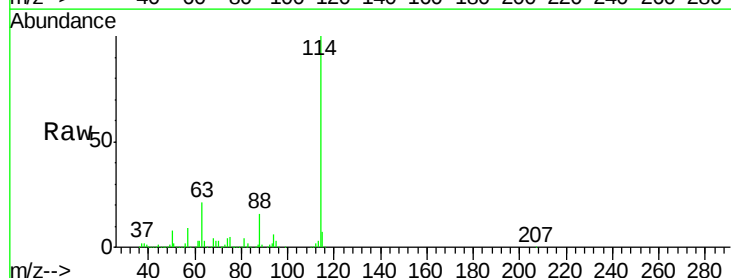
Manual Integrations
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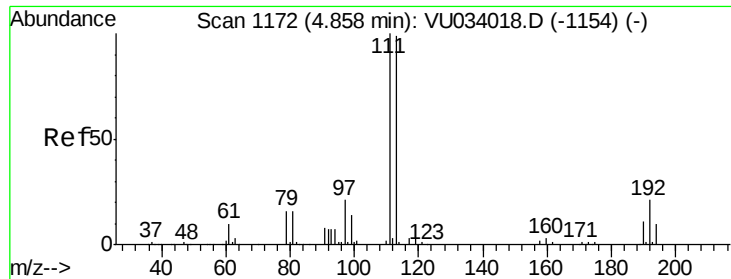
MMDadoda
 8/30/2019 12:52:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	680763		
63	21.1	0.0	42.0	
88	15.5	0.0	32.0	





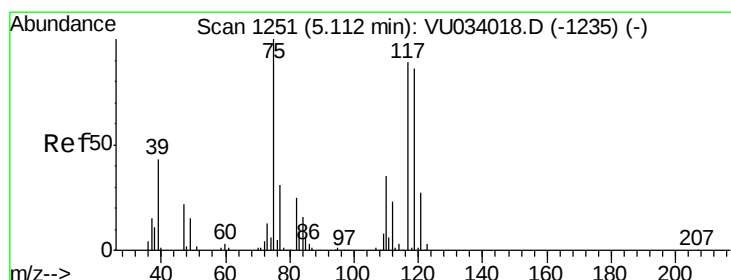
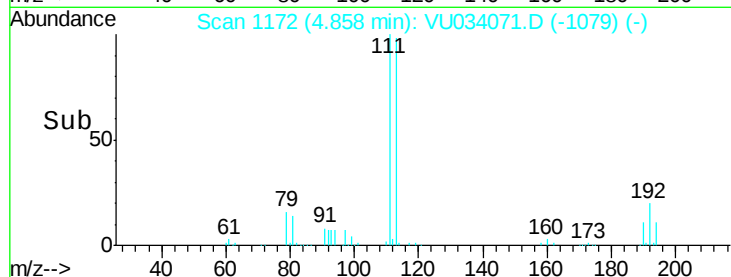
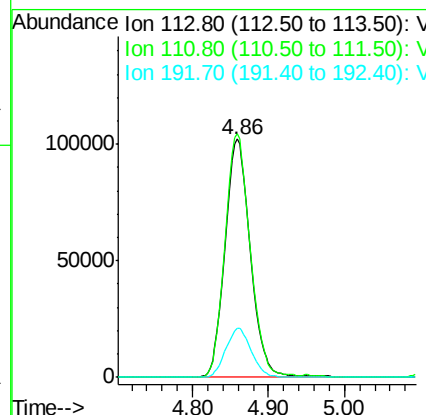
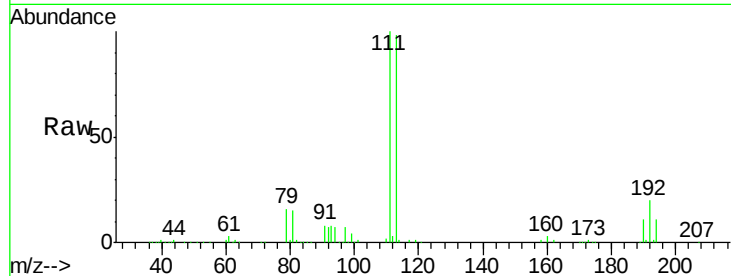
#35
 Dibromofluoromethane
 Concen: 50.451 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238214		
111	101.1	81.7	122.5	
192	20.7	17.1	25.7	

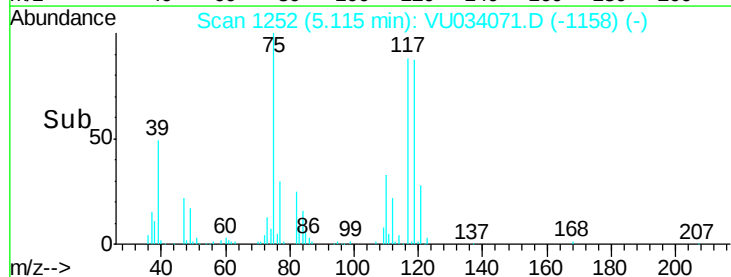
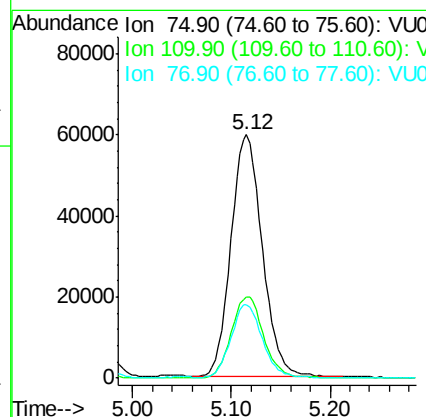
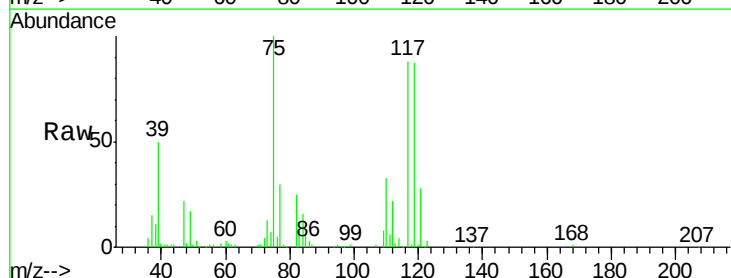
Manual Integrations
 APPROVED

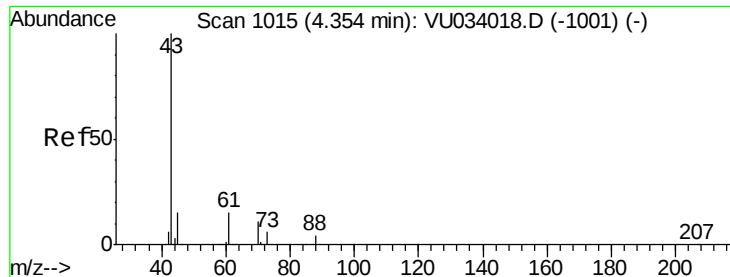
MMDadoda
 8/30/2019 12:52:41 PM



#36
 1,1-Dichloropropene
 Concen: 20.662 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133047		
110	34.7	17.8	53.5	
77	29.8	25.0	37.4	





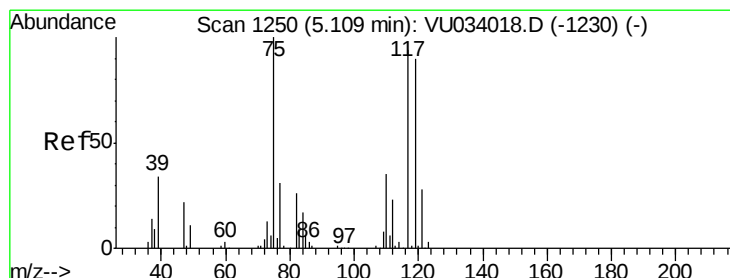
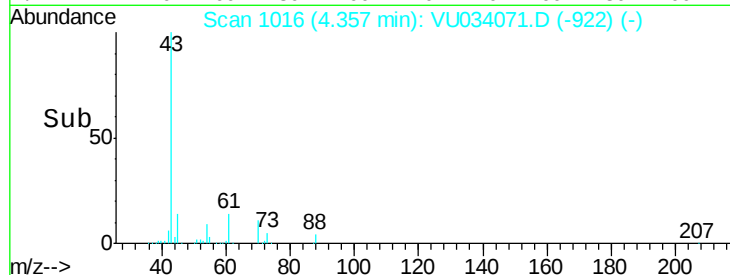
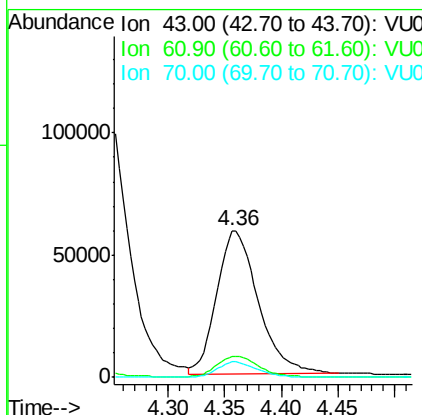
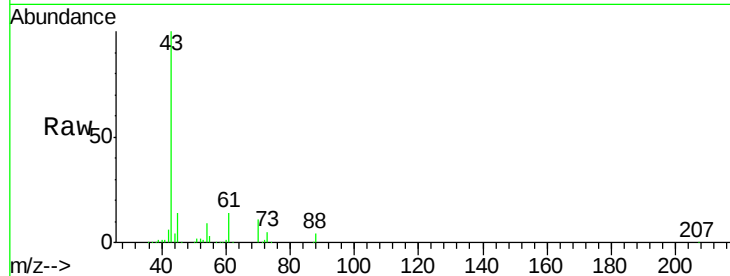
#37
Ethyl Acetate
Concen: 20.706 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampled :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.7	8.6	12.8

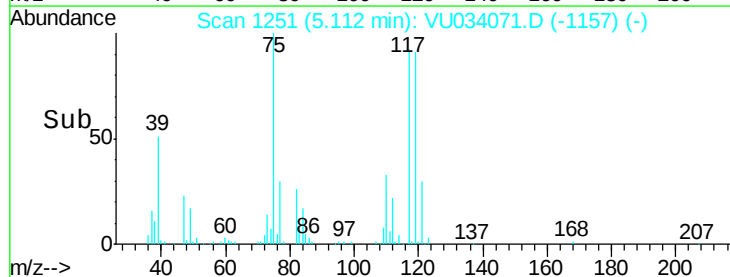
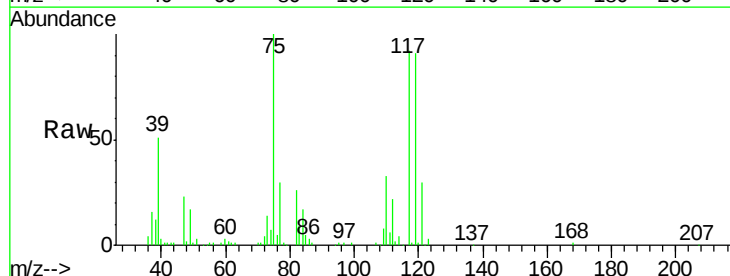
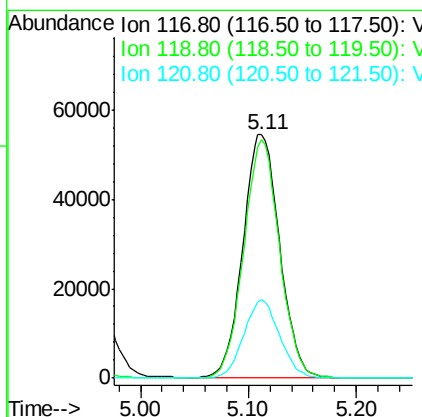
Manual Integrations
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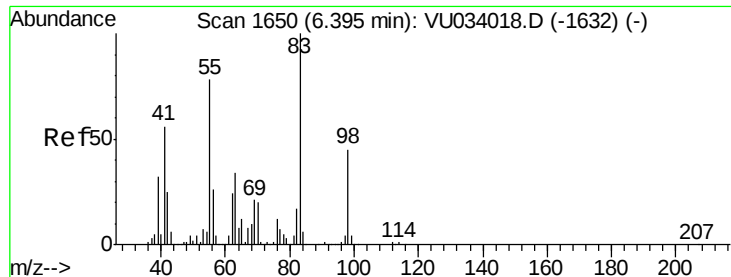
MMDadoda
8/30/2019 12:52:41 PM



#38
Carbon Tetrachloride
Concen: 20.651 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.0	115.4
121	32.2	23.9	35.9





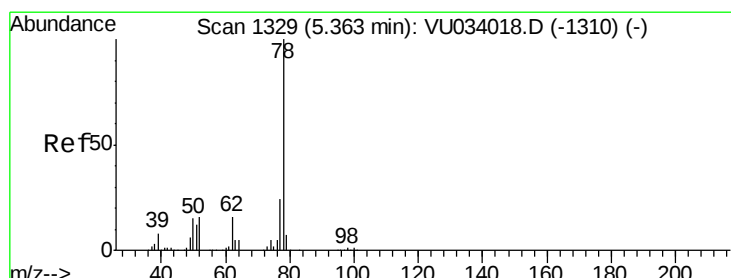
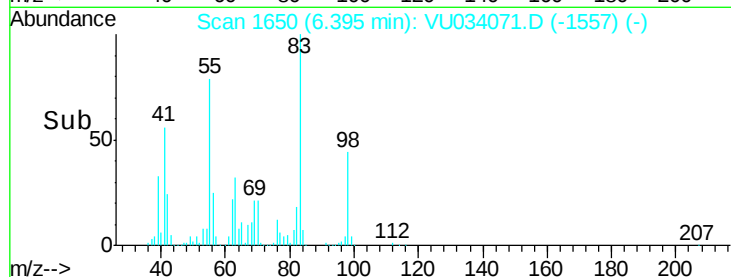
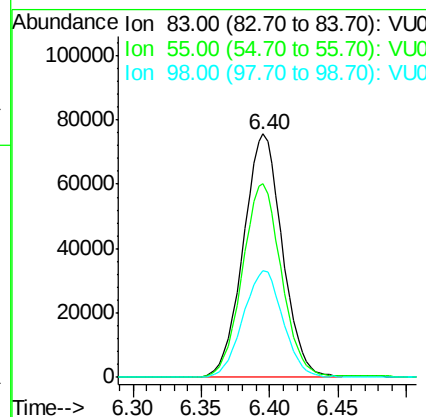
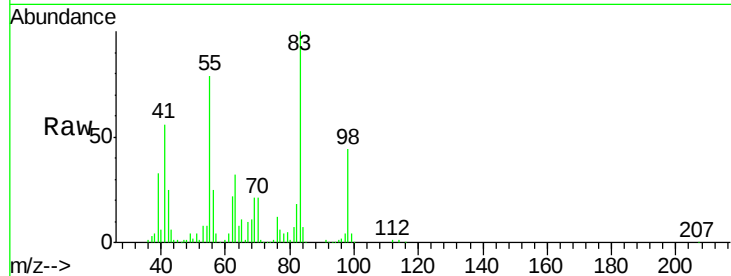
#39
Methvlcvclohexane
Concen: 19.812 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.3	93.5
98	43.6	36.2	54.2

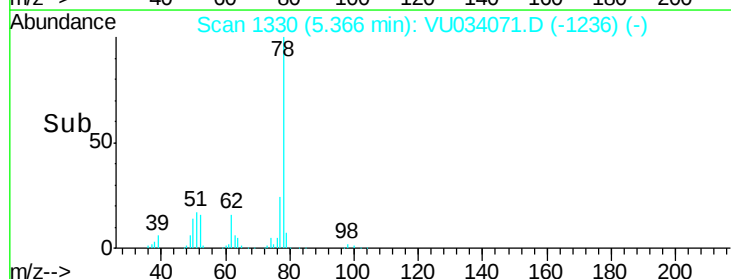
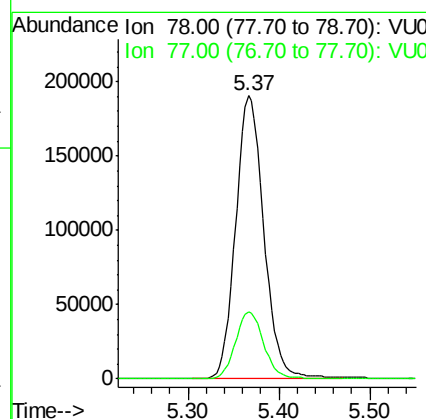
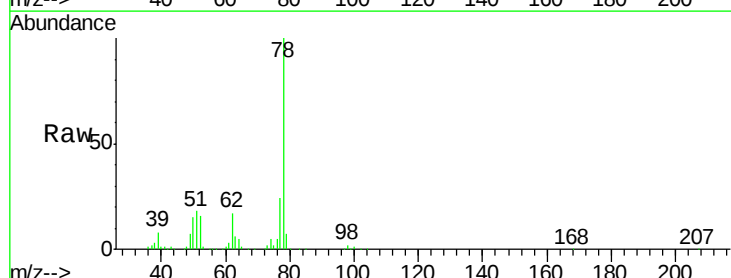
Manual Integrations
APPROVED

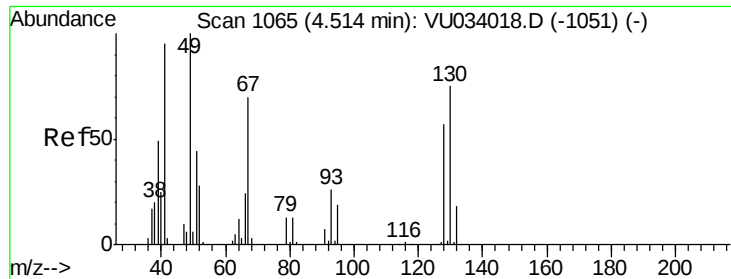
MMDadoda
8/30/2019 12:52:41 PM



#40
Benzene
Concen: 21.126 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





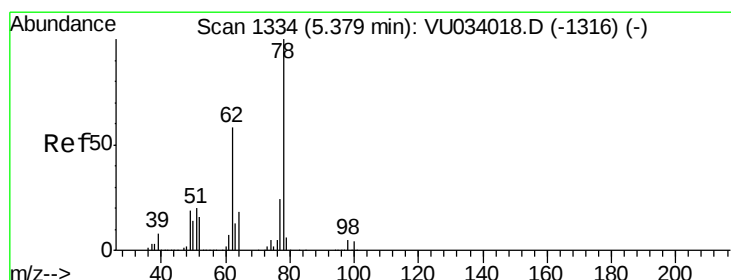
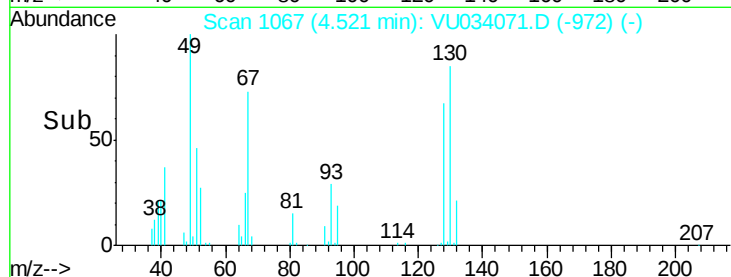
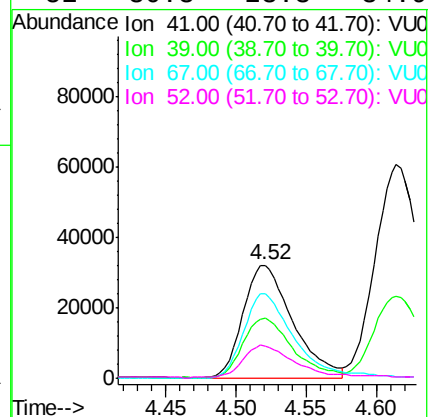
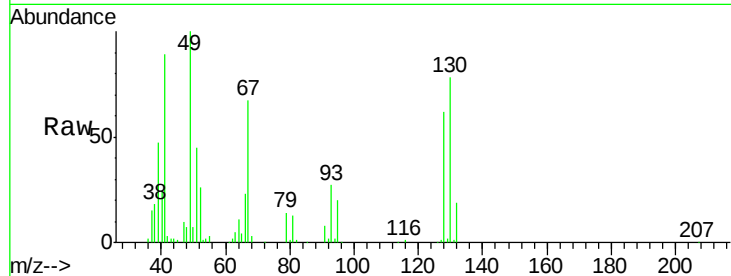
#41
Methacrylonitrile
Concen: 21.197 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	41	Resp	78386
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.1	63.1
67	78.3	61.0	91.4
52	30.3	23.3	34.9

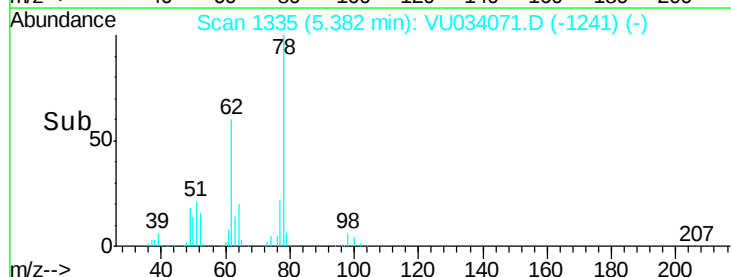
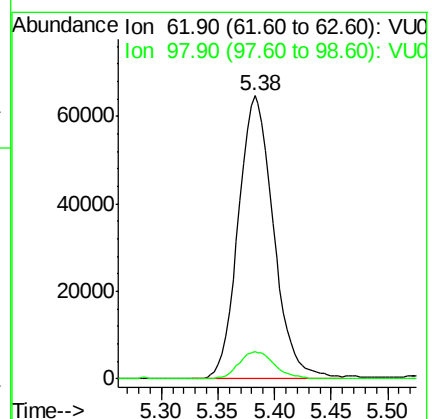
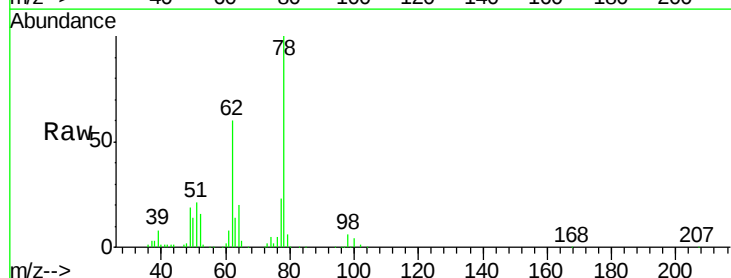
Manual Integrations
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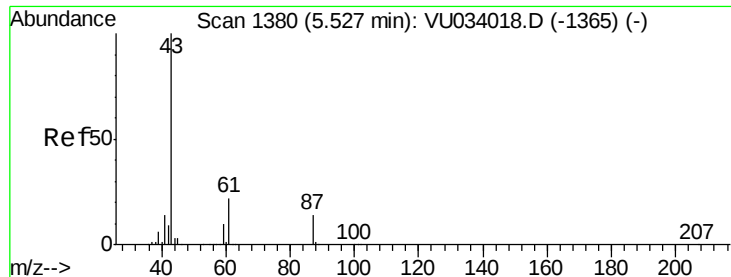
MMDadoda
8/30/2019 12:52:41 PM



#42
1,2-Dichloroethane
Concen: 20.884 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	62	Resp	140494
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.2





#43

Isopropyl Acetate

Concen: 20.183 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

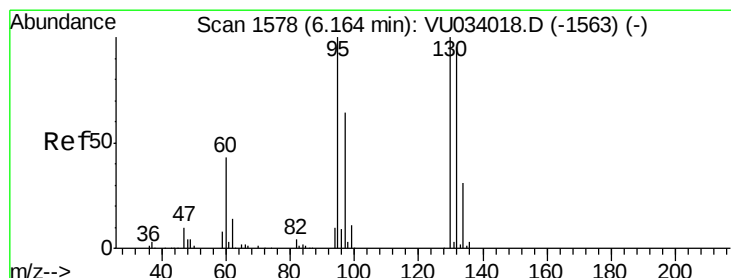
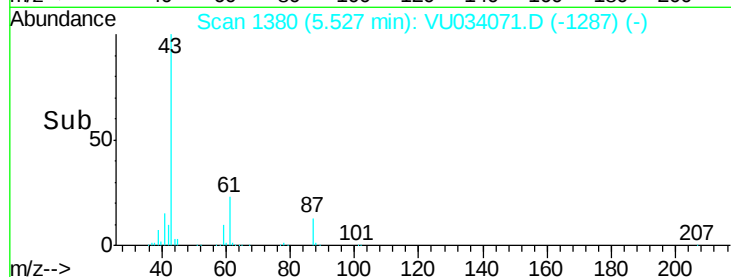
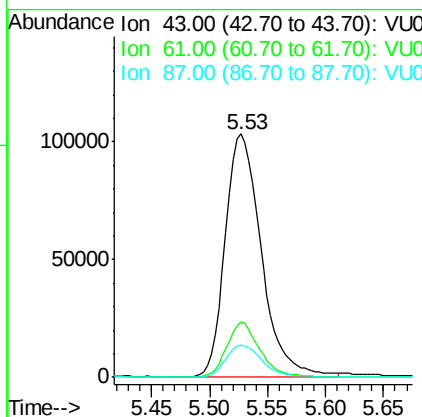
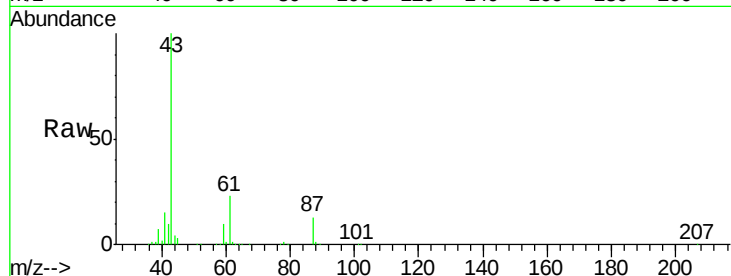
ClientSampleId :

VU0830WBSD01

Tot Ion:	43	Resp:	221409
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.2	25.8
87	13.8	10.8	16.2

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#44

Trichloroethene

Concen: 21.334 ug/l

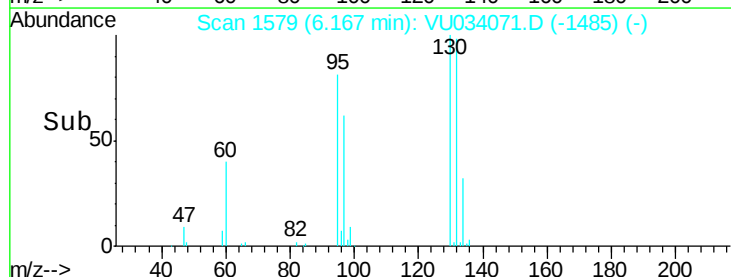
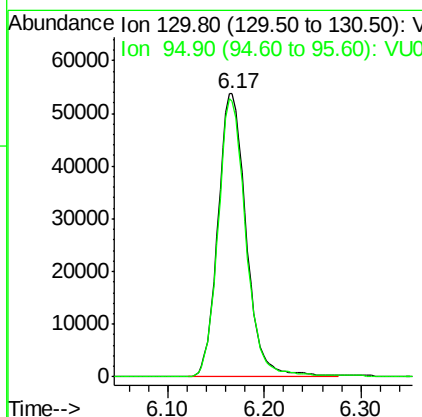
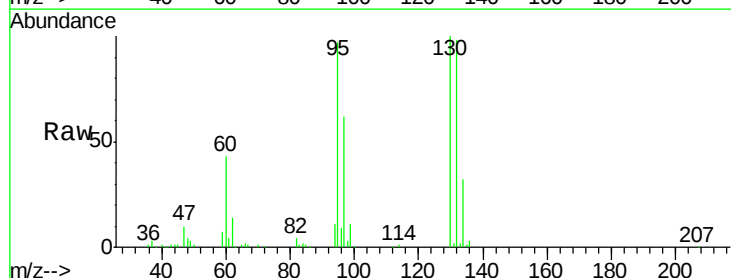
RT: 6.17 min Scan# 1579

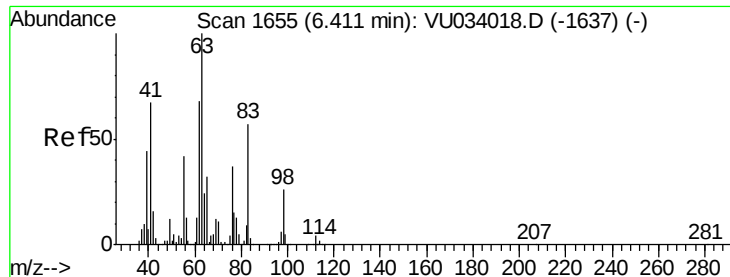
Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	130	Resp:	109146
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	199.6





#45

1,2-Dichloropropane

Concen: 20.964 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 63 Resp: 112425

Ion Ratio Lower Upper

63 100

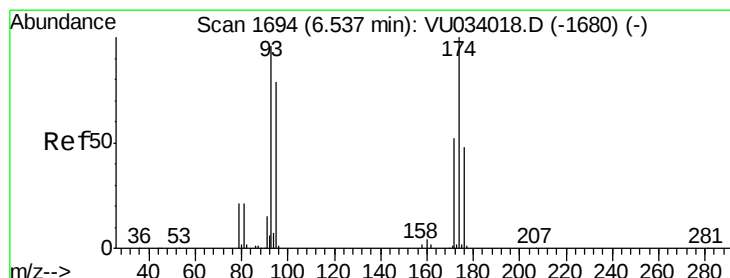
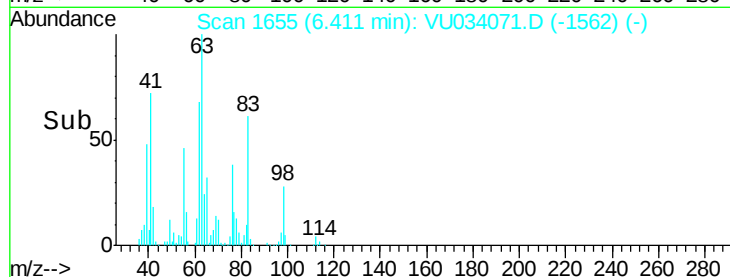
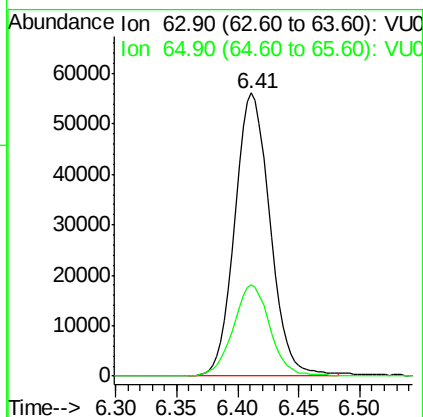
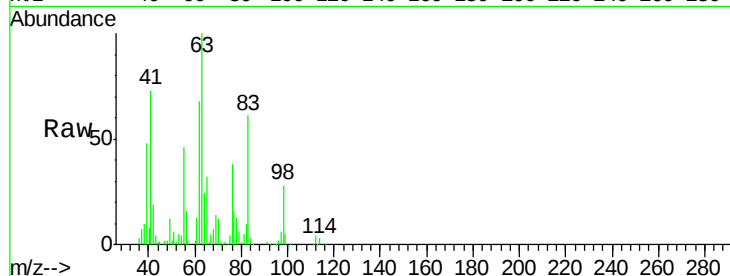
65 32.1 25.4 38.2

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#46

Dibromomethane

Concen: 20.902 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

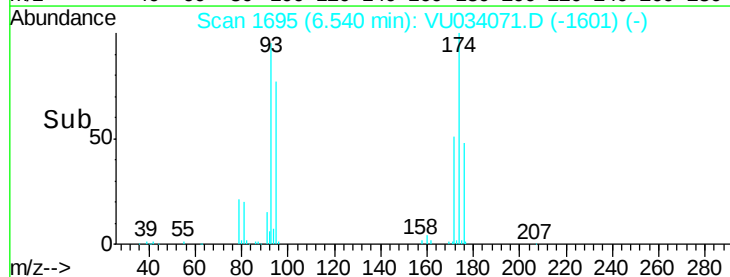
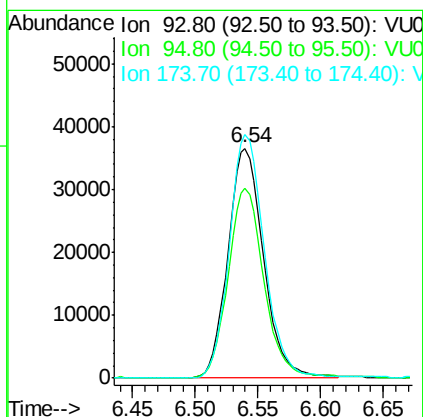
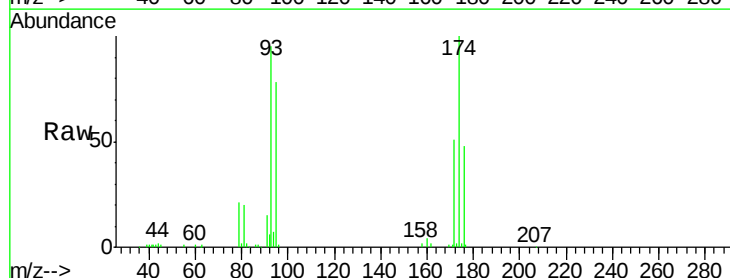
Tgt Ion: 93 Resp: 72218

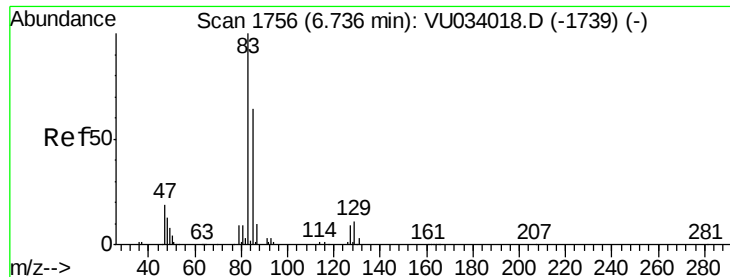
Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

174 104.0 84.9 127.3





#47

Bromodichloromethane

Concen: 20.732 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

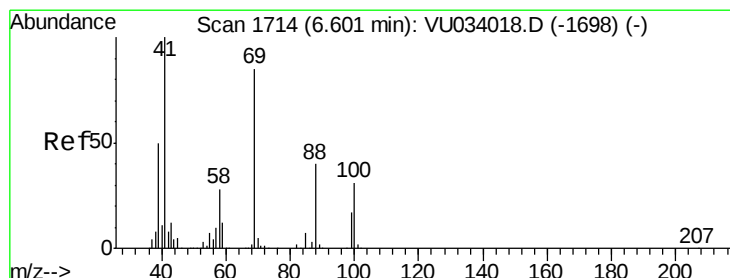
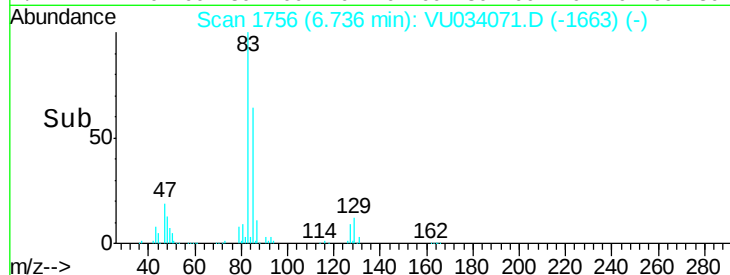
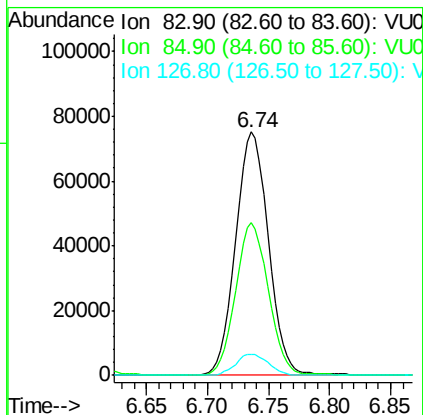
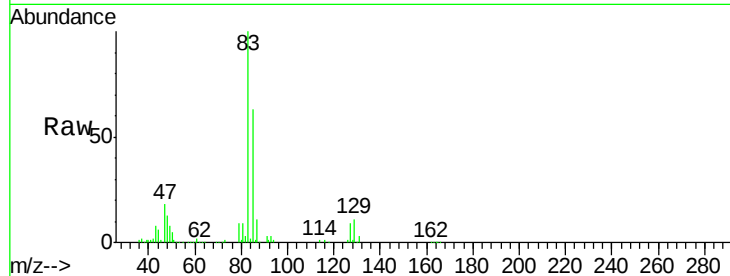
ClientSampleId :

VU0830WBSD01

Tot Ion:	83	Resp:	140147
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.2	76.8
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.236 ug/l

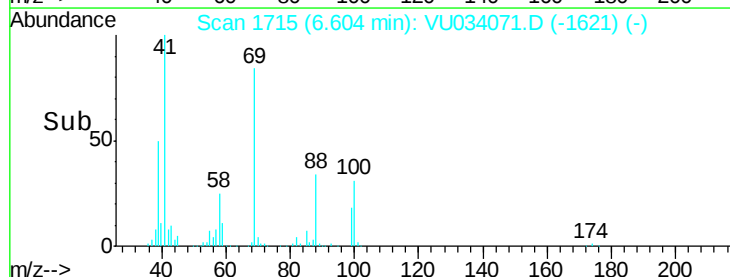
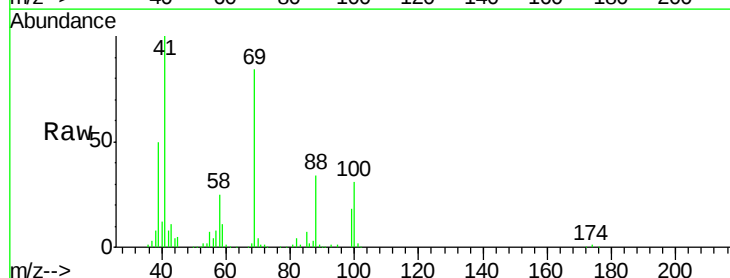
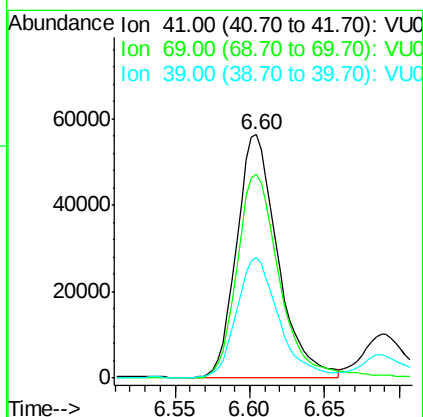
RT: 6.60 min Scan# 1715

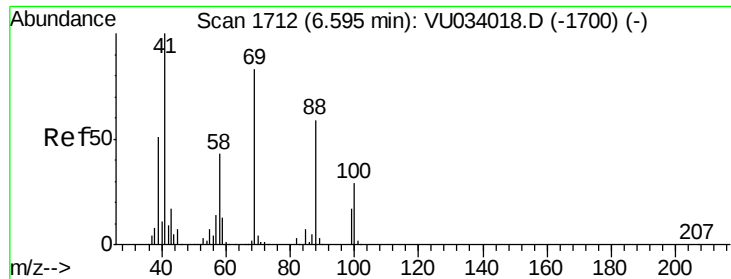
Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	41	Resp:	107123
Ion Ratio	Lower	Upper	
41	100		
69	87.9	69.5	104.3
39	50.7	40.3	60.5





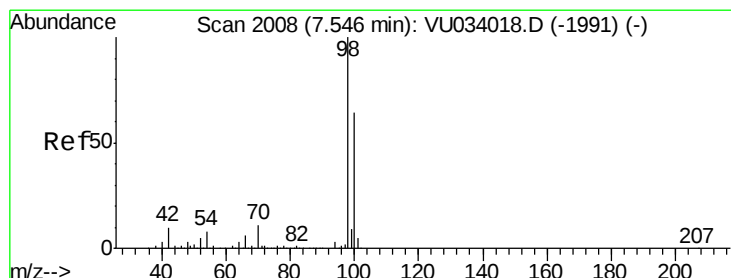
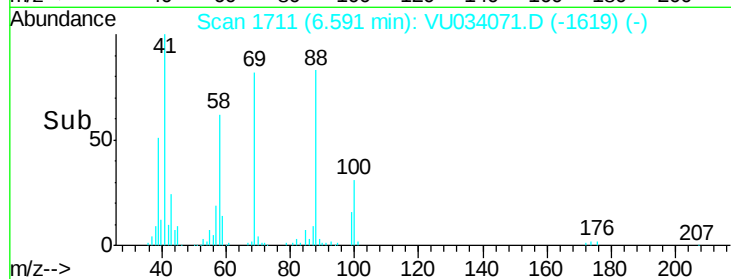
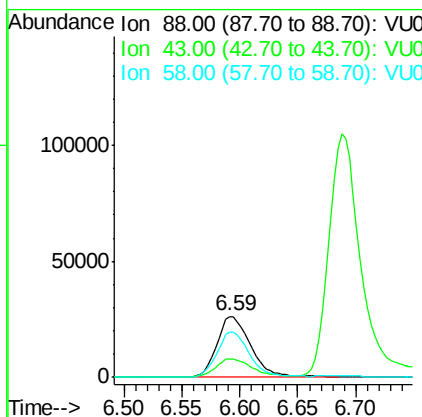
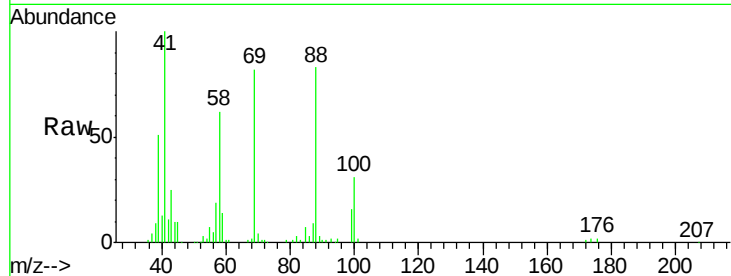
#49
1,4-Dioxane
Concen: 398.865 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.8	37.2
58	73.8	59.3	88.9

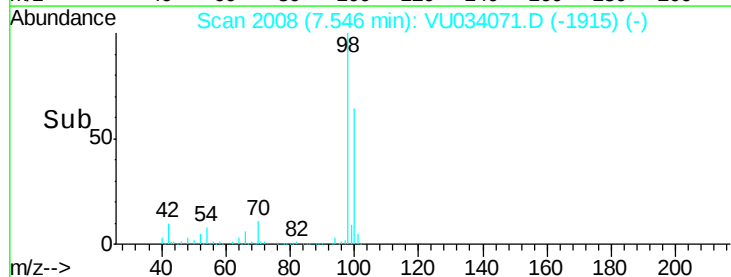
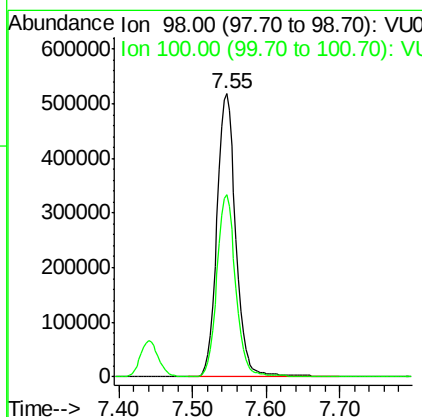
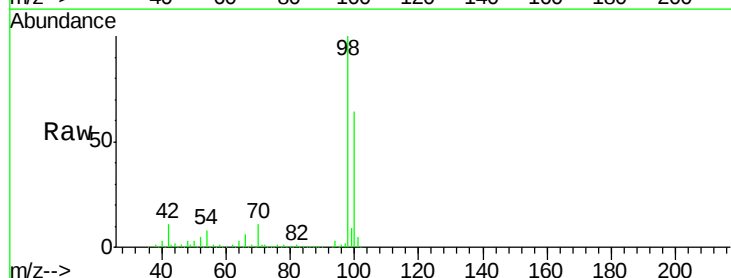
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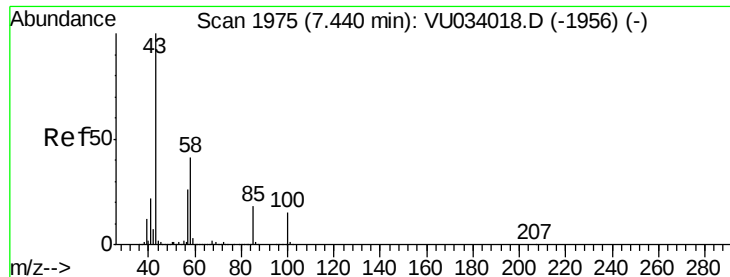
MMDadoda
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#50
Toluene-d8
Concen: 52.037 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 100.988 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleID :

VU0830WBSD01

Tot Ion: 43 Resp: 765076

Ion Ratio Lower Upper

43 100

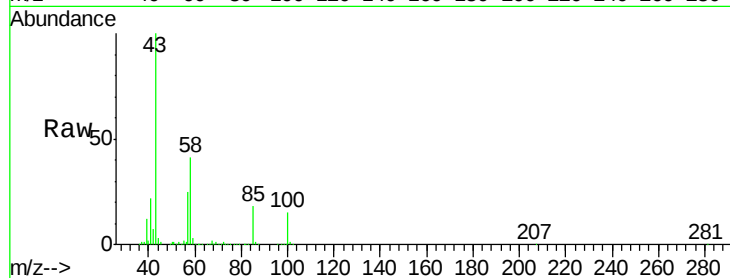
58 40.6 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034071.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU034071.D (-1882) (-)

7.44

400000

300000

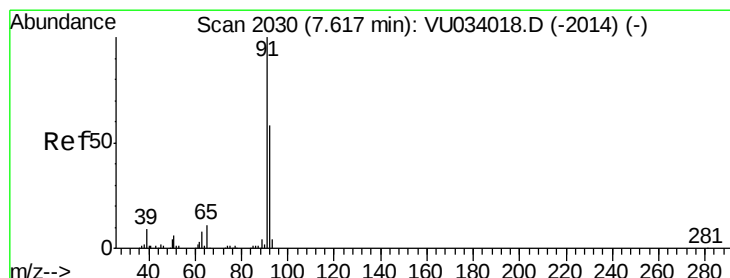
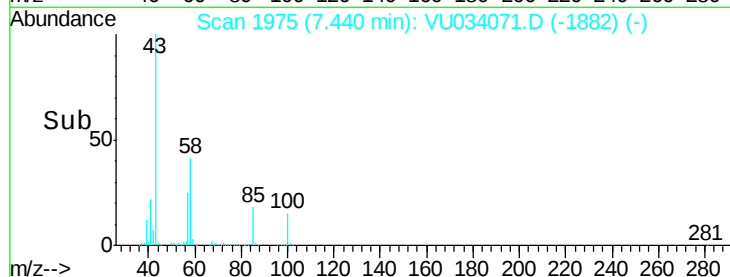
200000

100000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 21.434 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034071.D

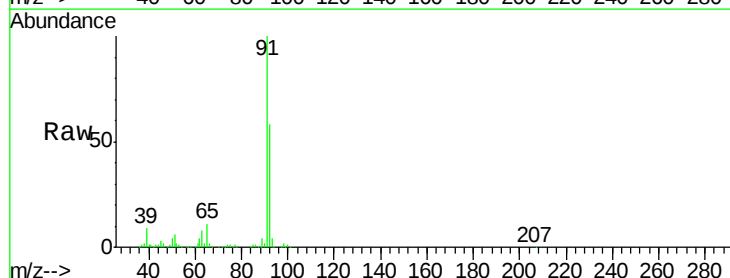
Acq: 29 Aug 2019 18:46

Tgt Ion: 92 Resp: 257240

Ion Ratio Lower Upper

92 100

91 172.4 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034071.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034071.D (-1937) (-)

7.62

250000

200000

150000

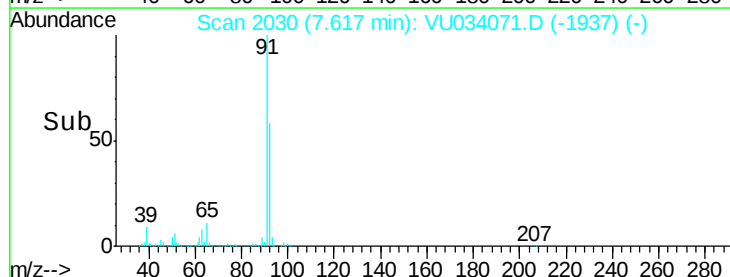
100000

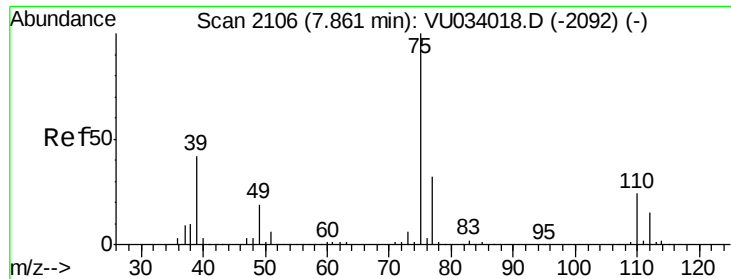
50000

0

7.50 7.60 7.70

Time-->





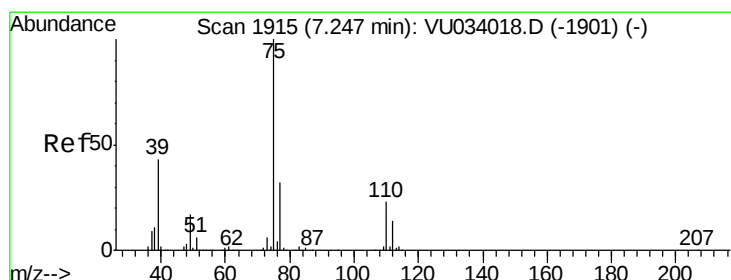
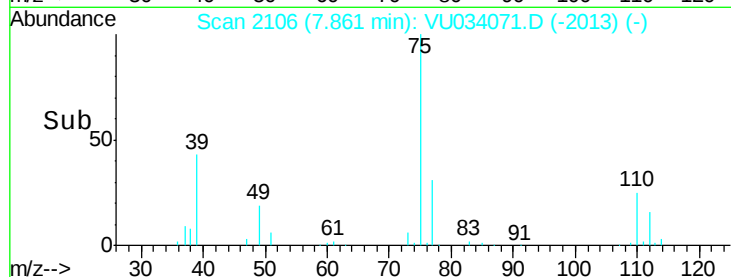
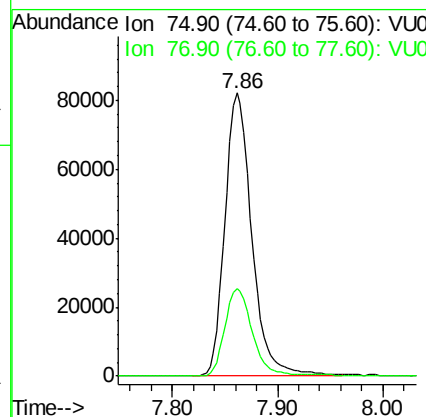
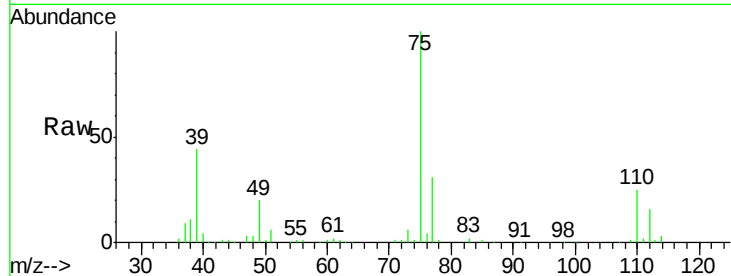
#53
 t-1,3-Dichloropropene
 Concen: 19.405 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Tot Ion: 75 Resp: 145550
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.0

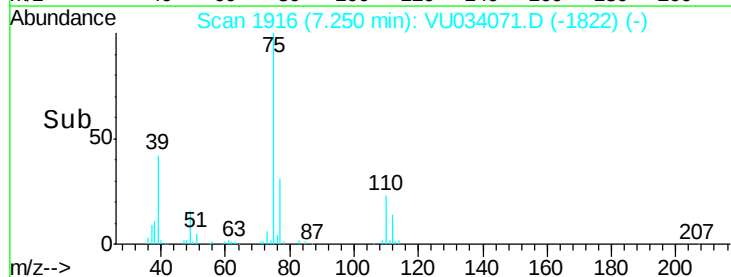
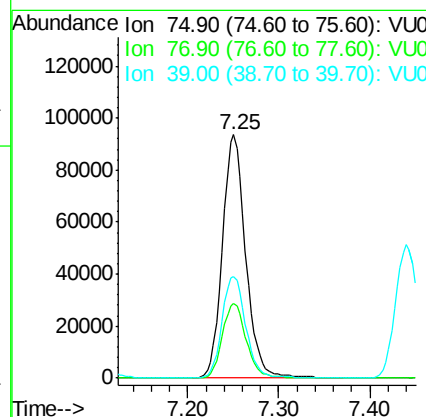
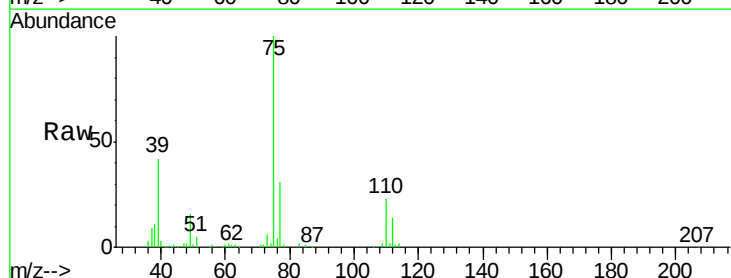
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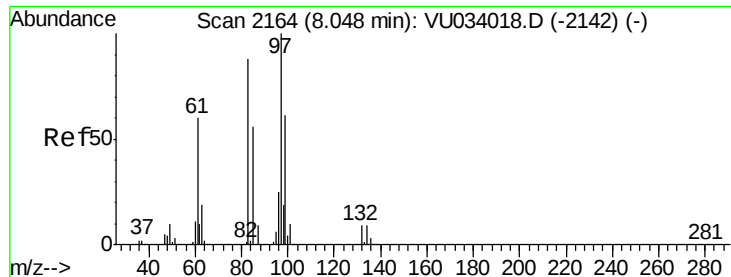
MMDadoda
 8/30/2019 12:52:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.317 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion: 75 Resp: 166491
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 41.9 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 19.797 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

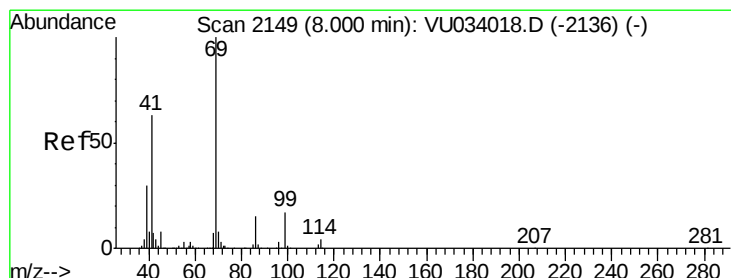
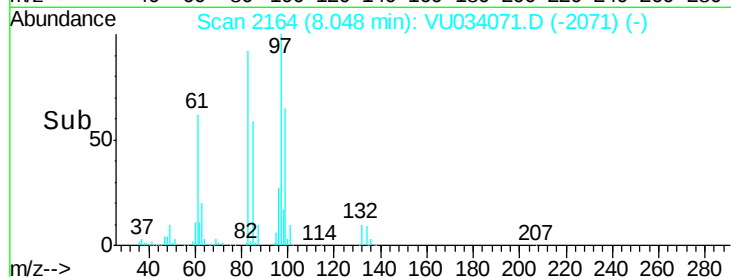
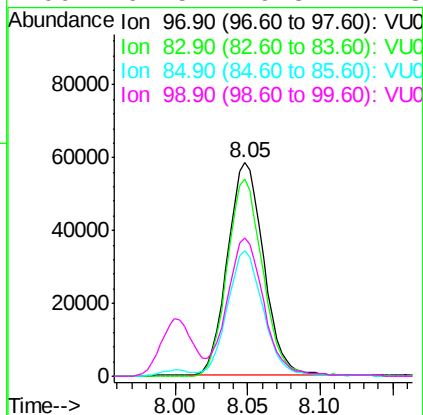
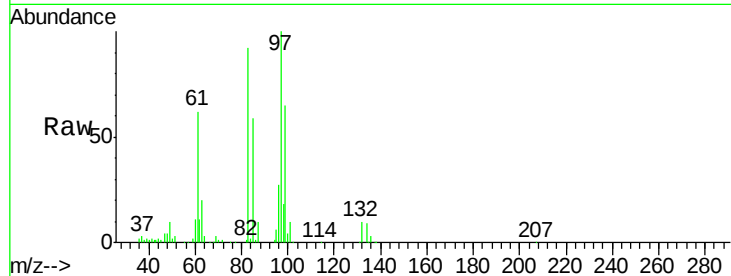
ClientSampleId :

VU0830WBSD01

Tot Ion:	97	Resp:	100499
Ion	Ratio	Lower	Upper
97	100		
83	92.7	70.1	105.1
85	58.7	45.0	67.4
99	64.5	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.126 ug/l

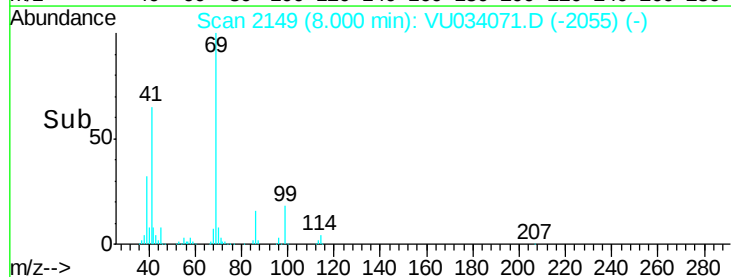
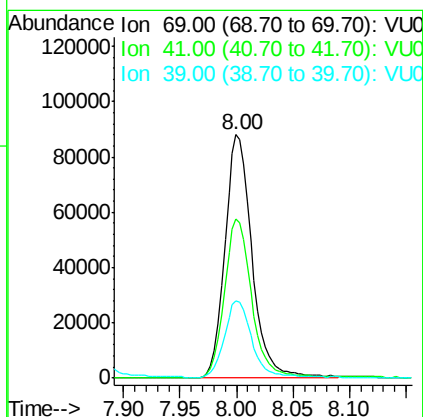
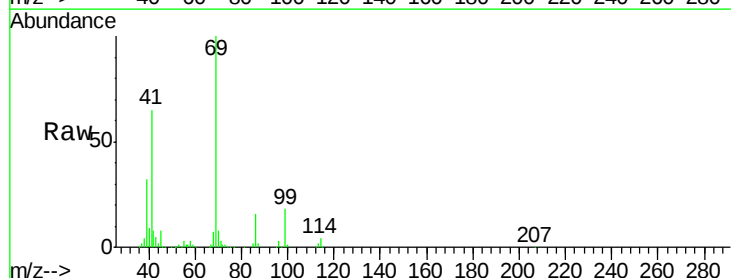
RT: 8.00 min Scan# 2149

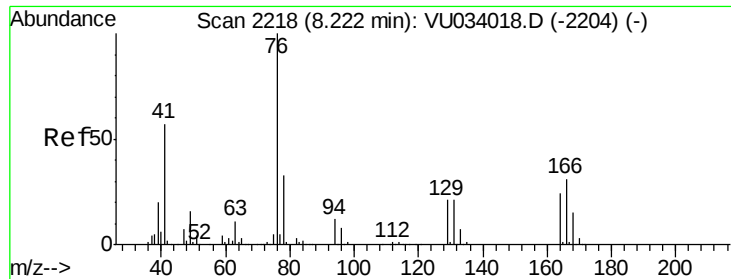
Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	69	Resp:	147307
Ion	Ratio	Lower	Upper
69	100		
41	65.9	50.7	76.1
39	31.2	24.2	36.2





#57

1,3-Dichloropropane

Concen: 20.557 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 76 Resp: 177193

Ion Ratio Lower Upper

76 100

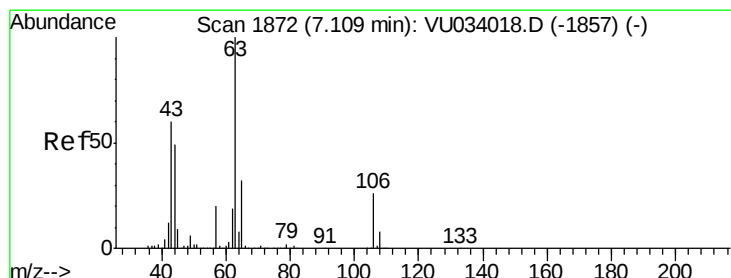
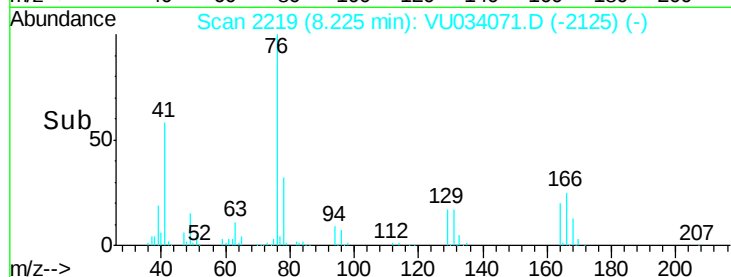
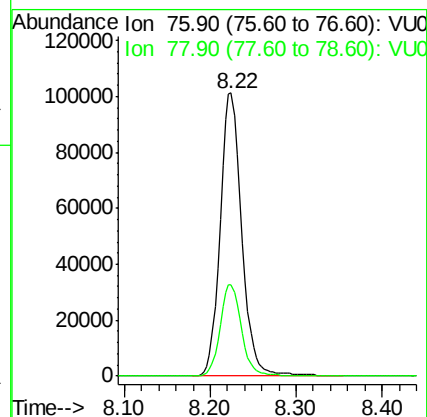
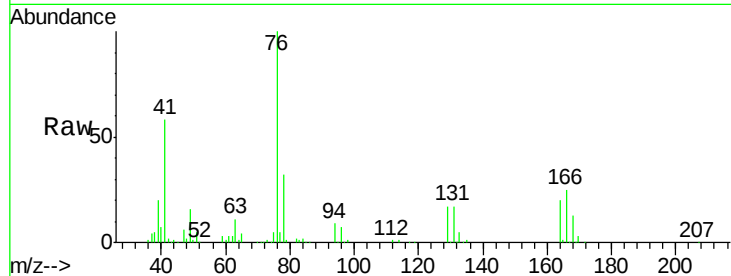
78 32.1 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.506 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VU034071.D

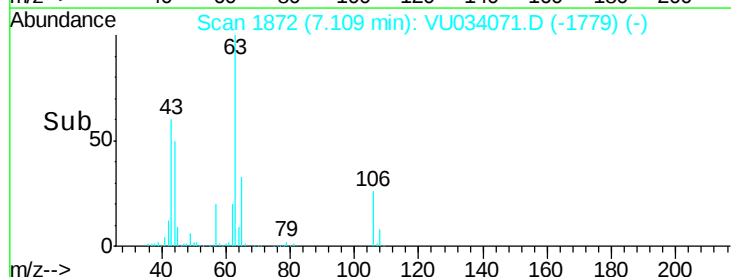
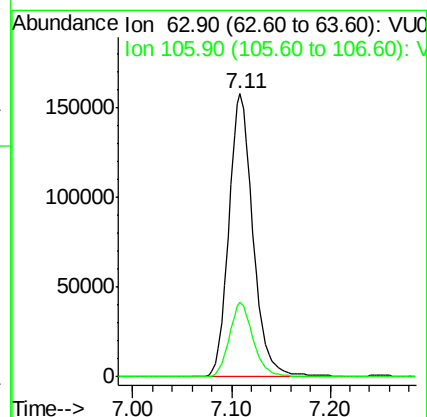
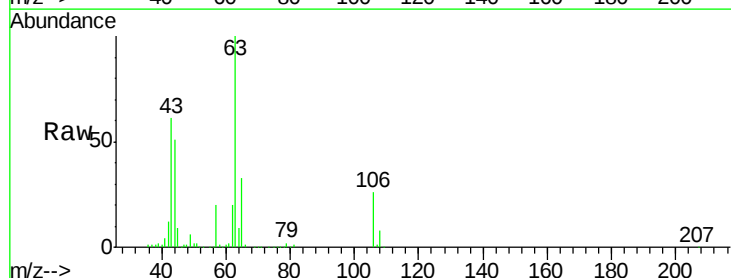
Acq: 29 Aug 2019 18:46

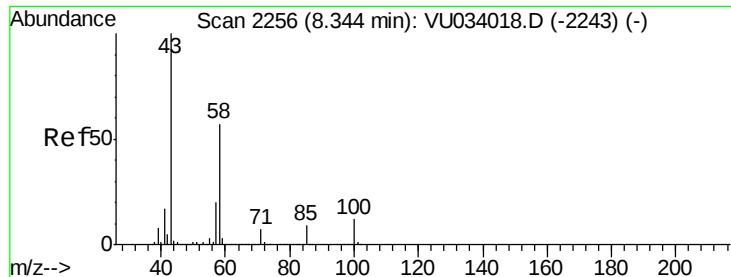
Tgt Ion: 63 Resp: 271029

Ion Ratio Lower Upper

63 100

106 26.0 20.7 31.1





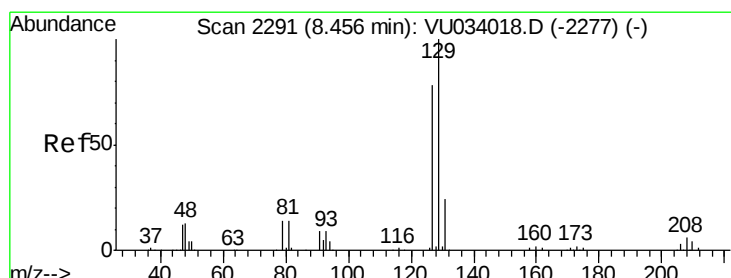
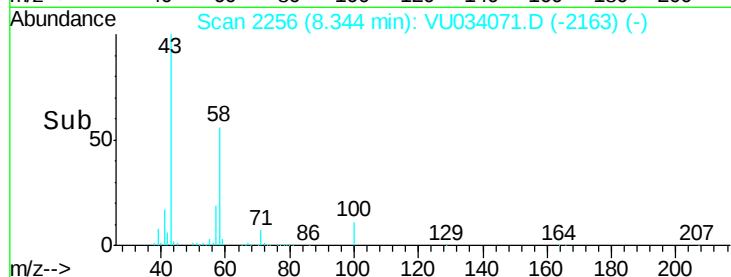
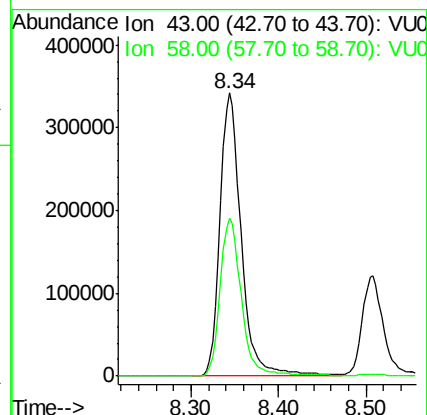
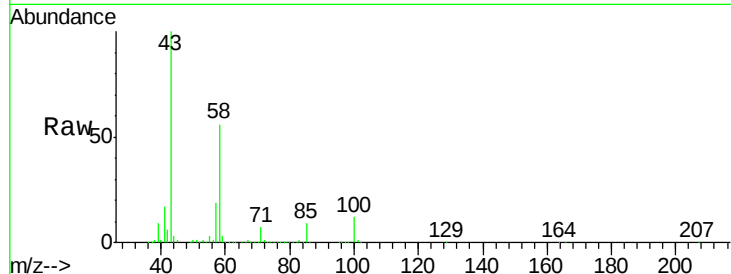
#59
2-Hexanone
Concen: 100.995 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.4	85.3

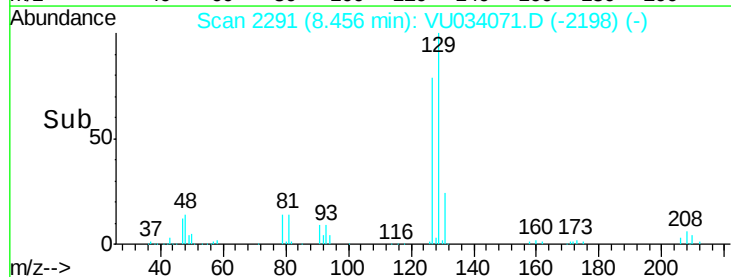
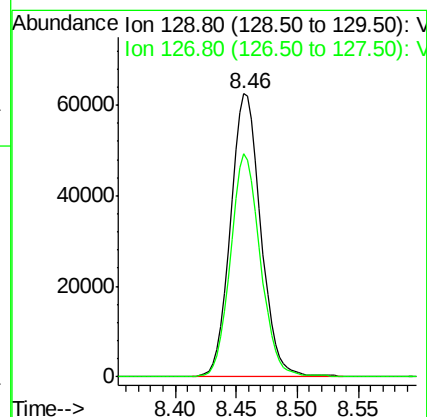
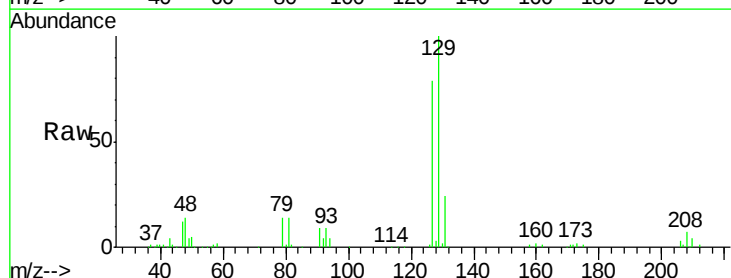
Manual Integrations
APPROVED

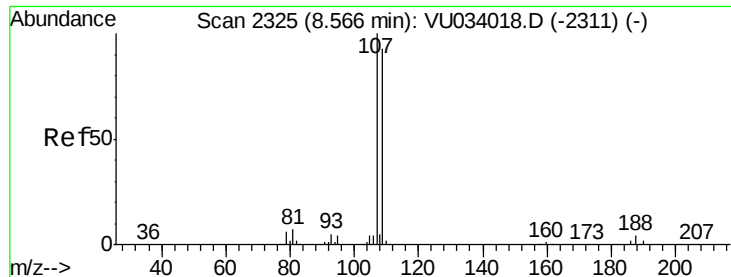
MMDadoda
8/30/2019 12:52:41 PM



#60
Dibromochloromethane
Concen: 19.964 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.0	116.9





#61

1,2-Dibromoethane

Concen: 20.006 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 107 Resp: 106983

Ion Ratio Lower Upper

107 100

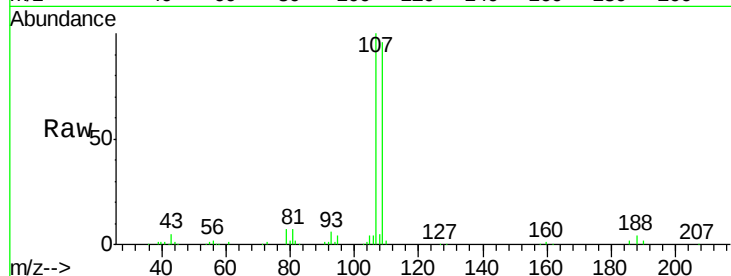
109 95.2 75.2 112.8

Manual Integrations

APPROVED

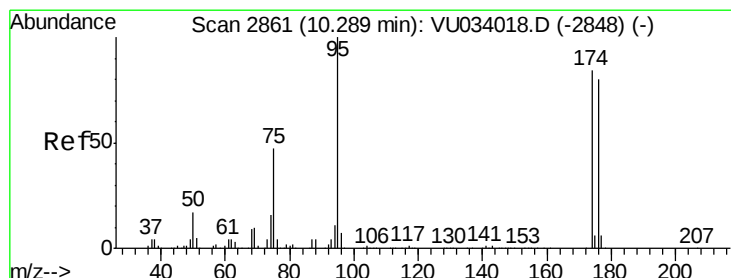
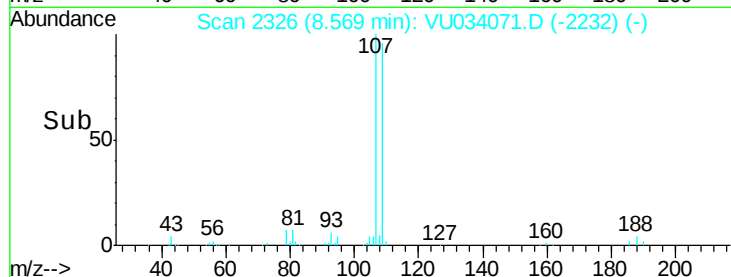
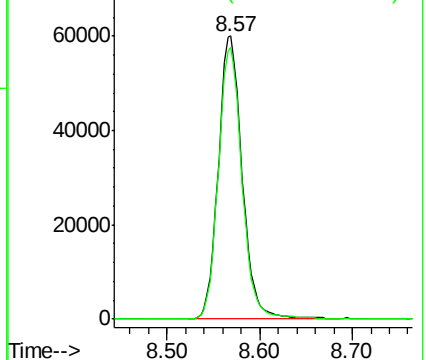
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.995 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

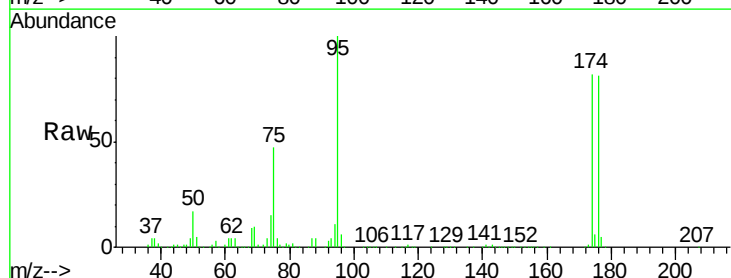
Tgt Ion: 95 Resp: 336952

Ion Ratio Lower Upper

95 100

174 83.0 0.0 168.8

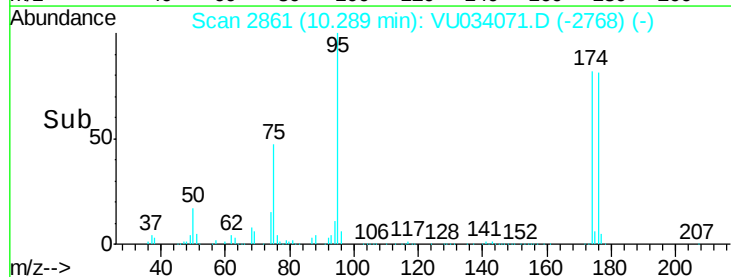
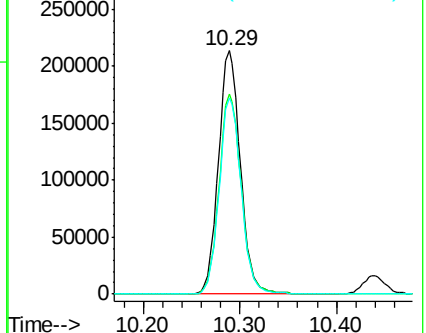
176 80.9 0.0 161.8

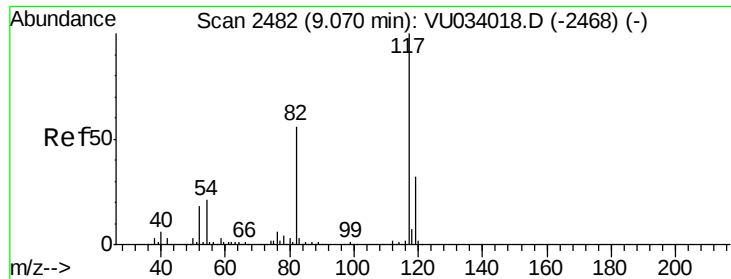


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





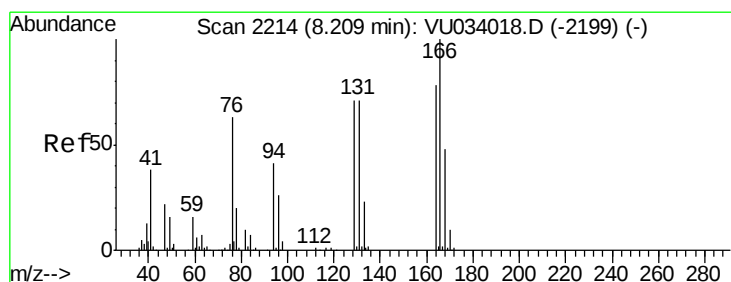
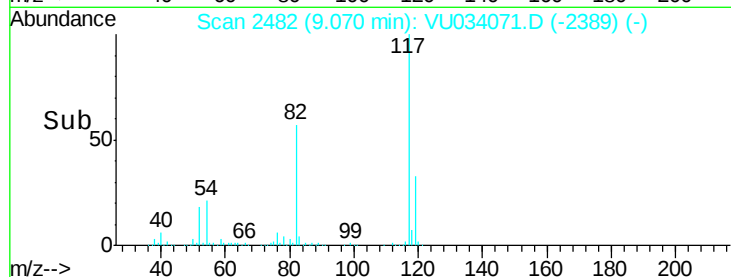
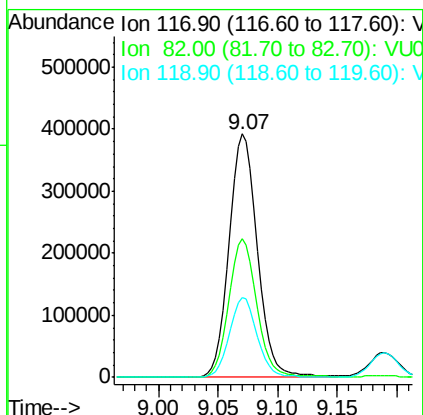
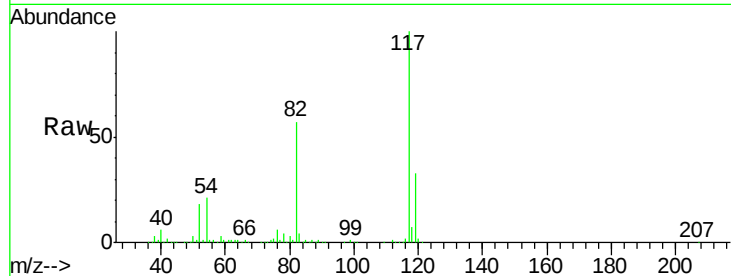
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	648938		
82	56.8		45.1	67.7
119	33.0		25.4	38.0

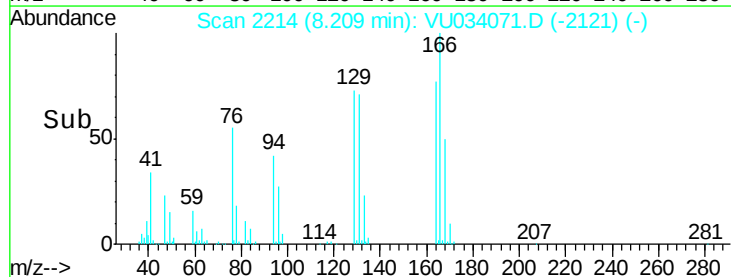
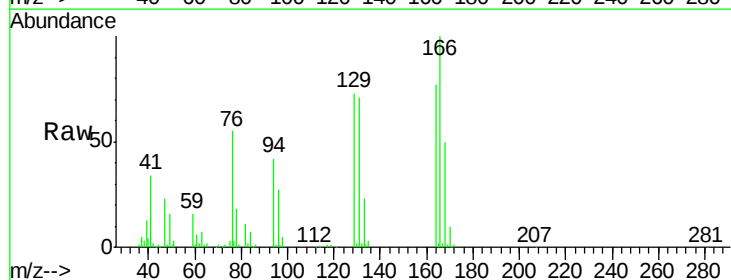
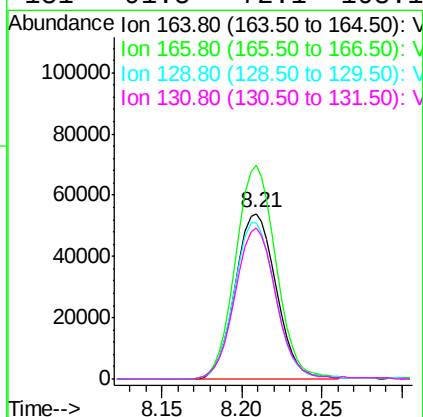
Manual Integrations
APPROVED

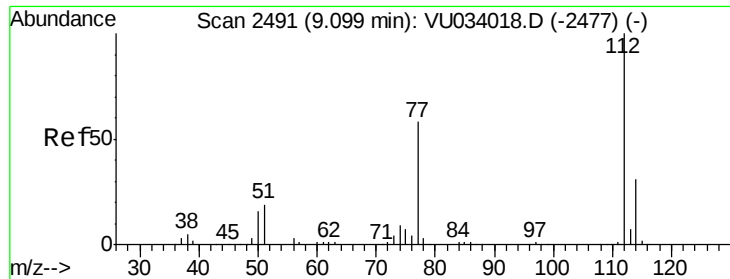
MMDadoda
8/30/2019 12:52:41 PM



#64
Tetrachloroethene
Concen: 21.708 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94606		
166	129.1		102.2	153.2
129	94.4		72.4	108.6
131	91.5		72.1	108.1





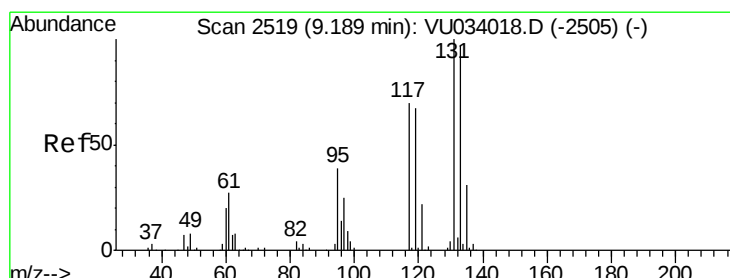
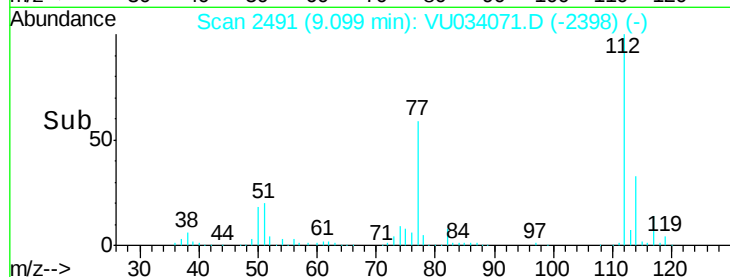
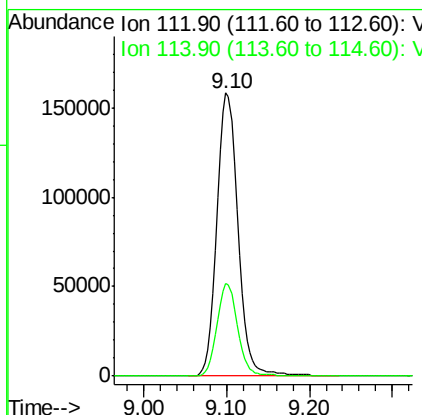
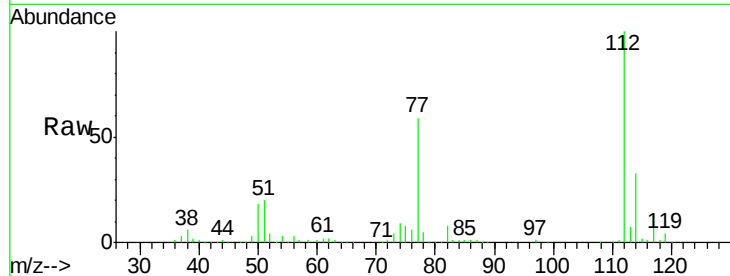
#65
Chlorobenzene
Concen: 20.902 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion:112 Resp: 279135
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.4

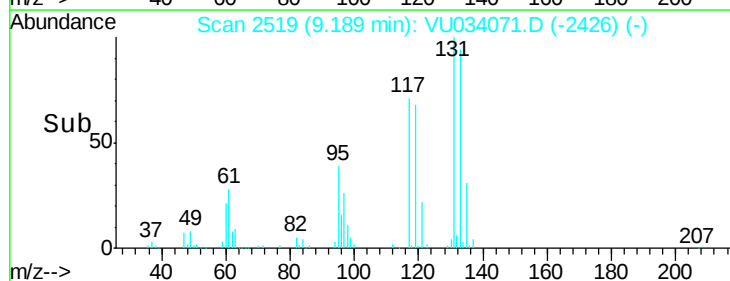
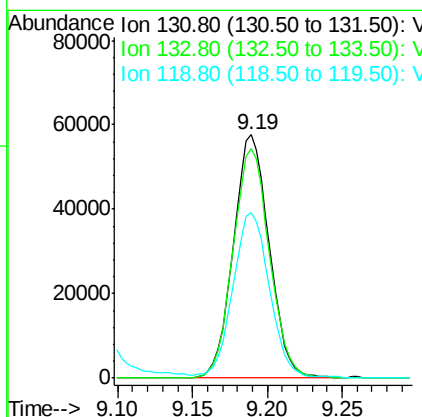
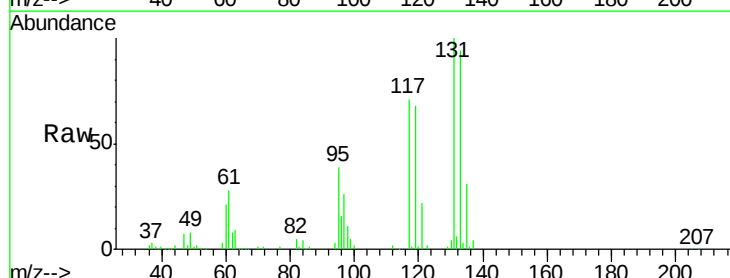
Manual Integrations
APPROVED

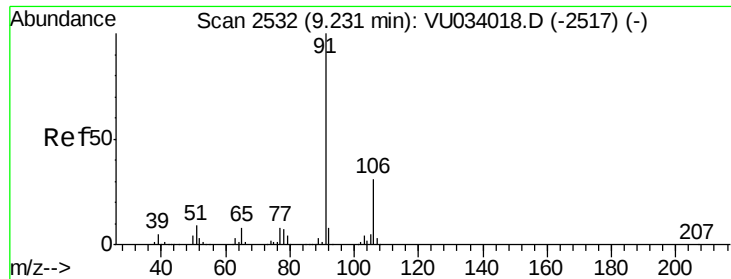
MMDadoda
8/30/2019 12:52:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.867 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion:131 Resp: 96204
Ion Ratio Lower Upper
131 100
133 96.0 48.4 145.2
119 68.6 33.6 100.6





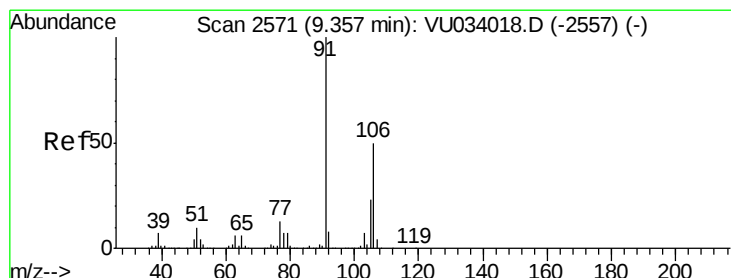
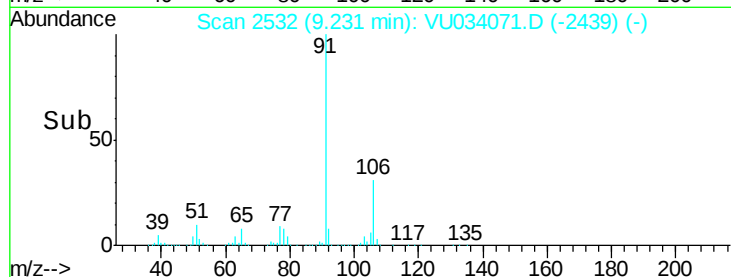
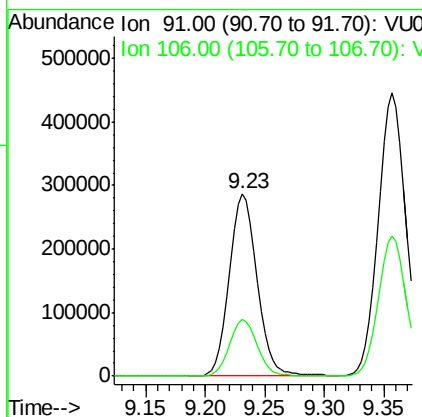
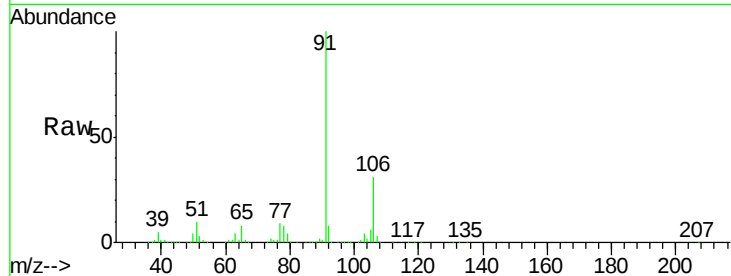
#67
Ethyl Benzene
Concen: 20.616 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion: 91 Resp: 466703
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

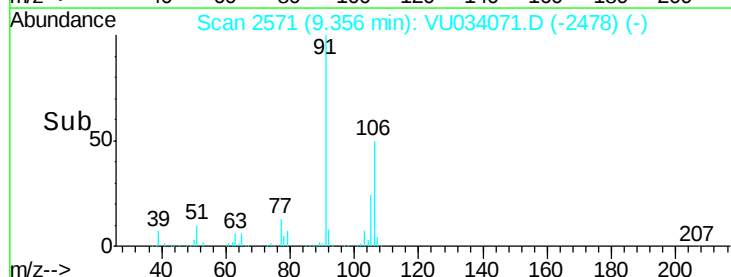
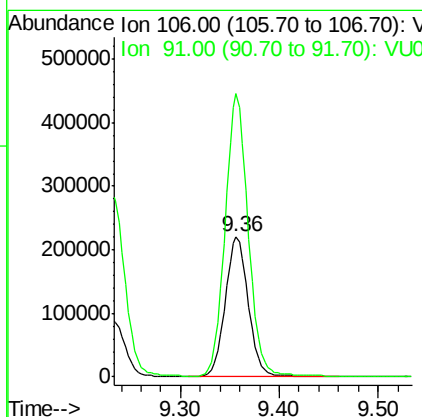
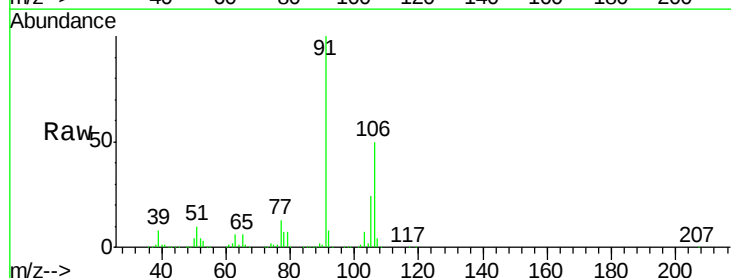
Manual Integrations
APPROVED

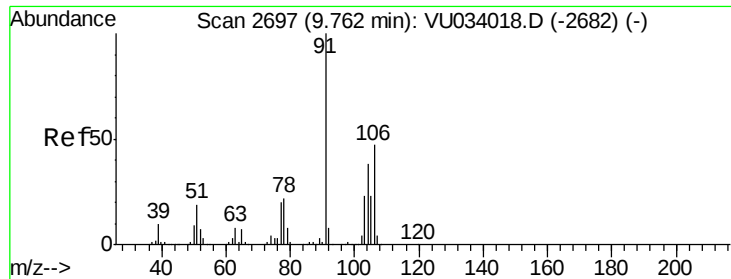
MMDadoda
8/30/2019 12:52:41 PM



#68
m/p-Xylenes
Concen: 42.008 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion: 106 Resp: 361595
Ion Ratio Lower Upper
106 100
91 200.1 161.6 242.4





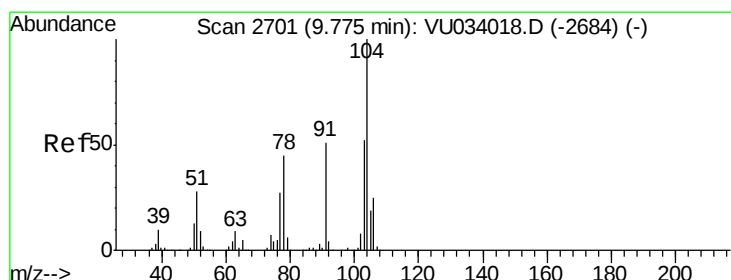
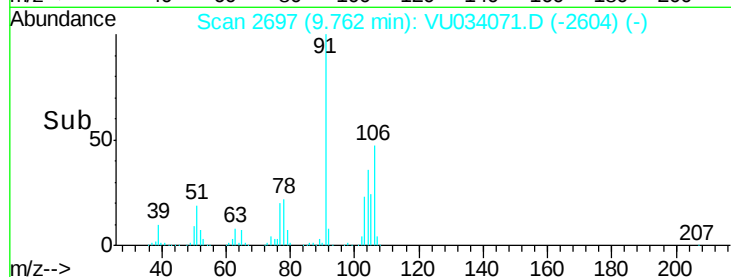
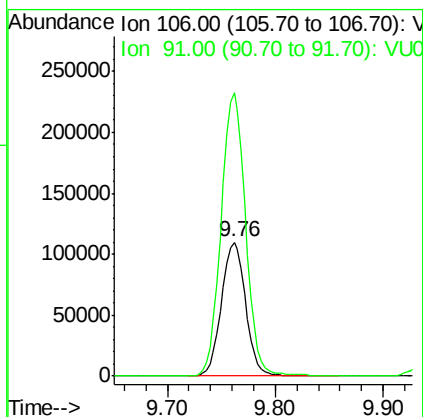
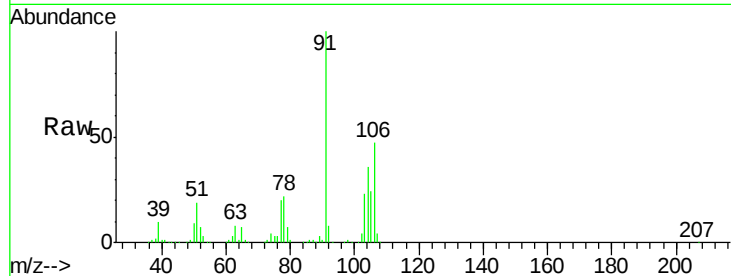
#69
o-Xylene
Concen: 20.843 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleID :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	106.0	318.0

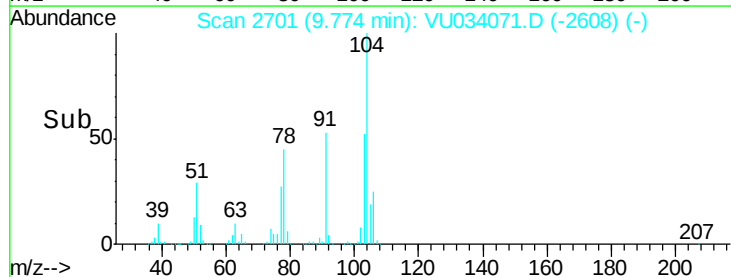
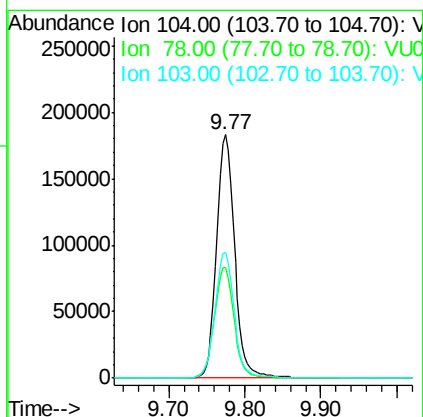
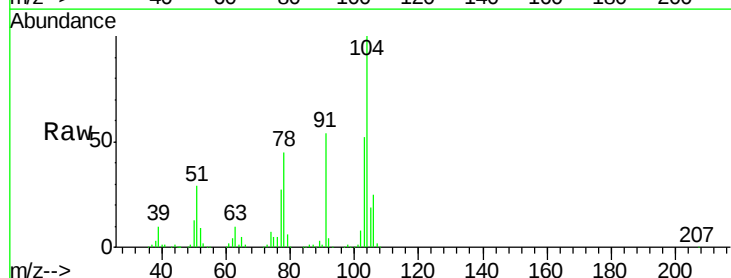
Manual Integrations
APPROVED

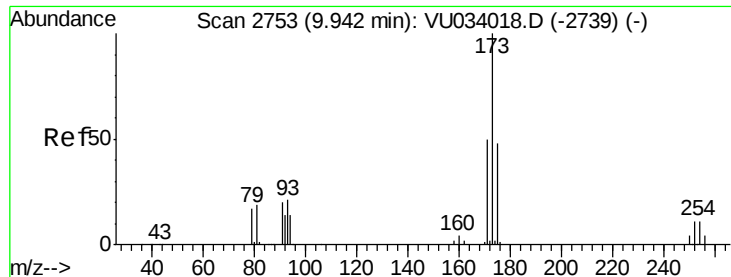
MMDadoda
8/30/2019 12:52:41 PM



#70
Styrene
Concen: 21.358 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.0	58.4
103	54.8	44.0	66.0





#71

Bromoform

Concen: 19.168 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion:173 Resp: 80646

Ion Ratio Lower Upper

173 100

175 48.3 24.6 73.6

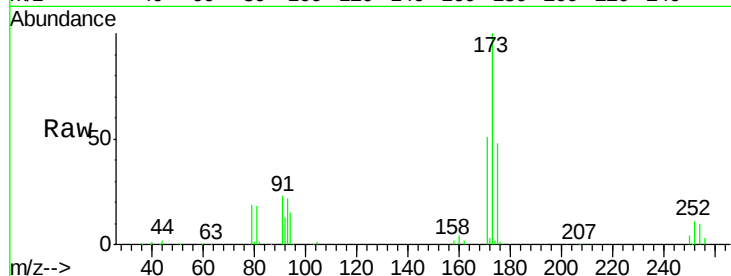
254 0.0 0.0 0.0#

Manual Integrations

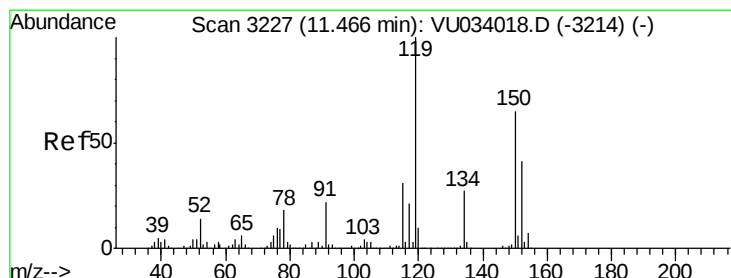
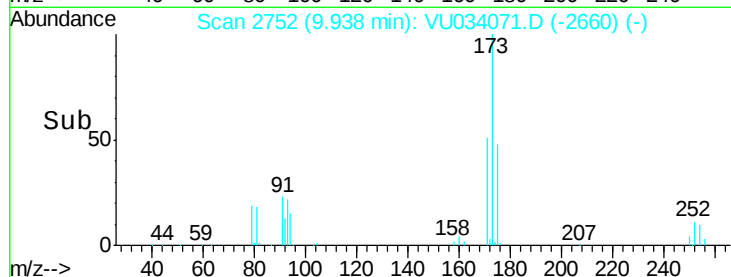
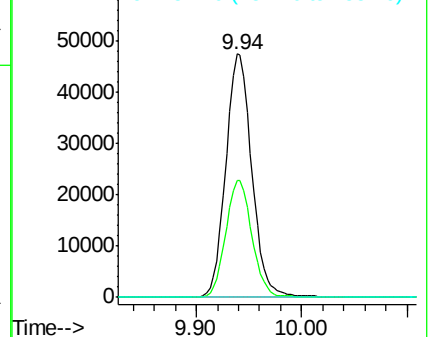
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

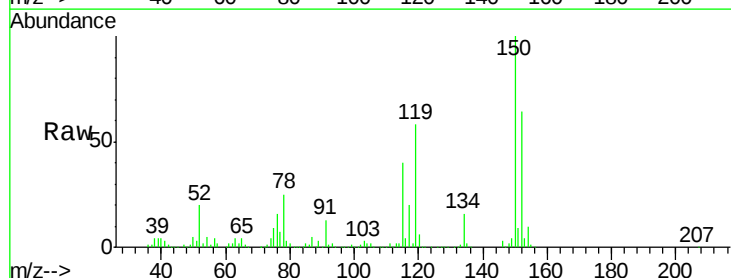
Tgt Ion:152 Resp: 344058

Ion Ratio Lower Upper

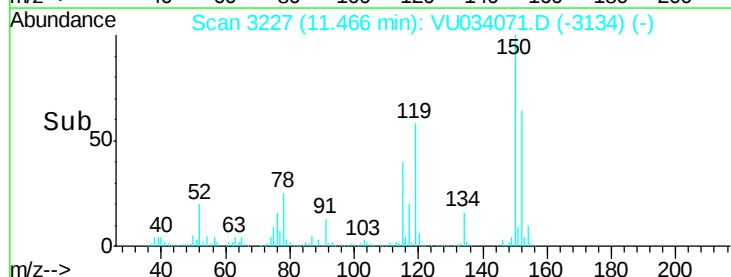
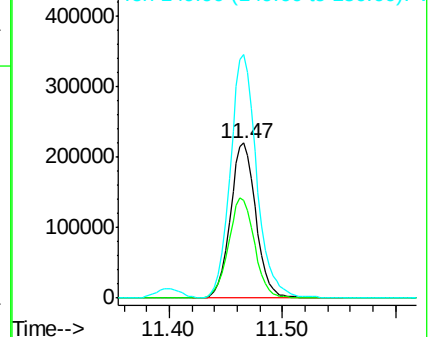
152 100

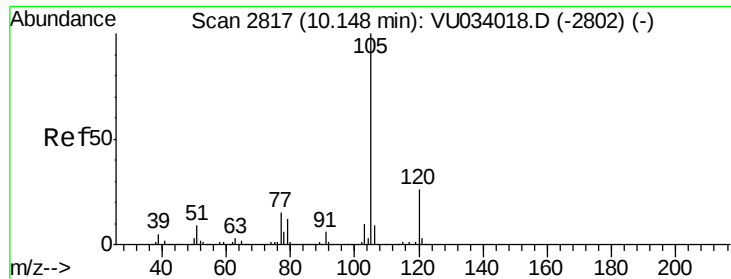
115 66.0 41.1 123.3

150 162.3 0.0 348.8



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





#73

Isopropylbenzene

Concen: 19.910 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 105 Resp: 460120

Ion Ratio Lower Upper

105 100

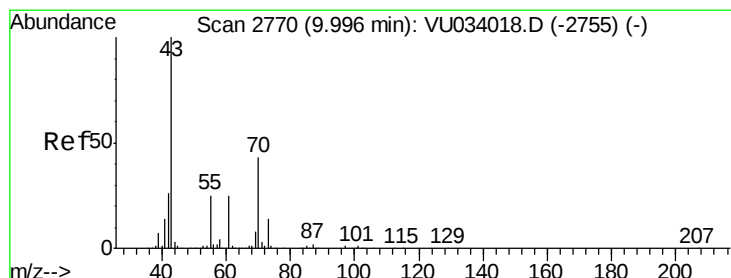
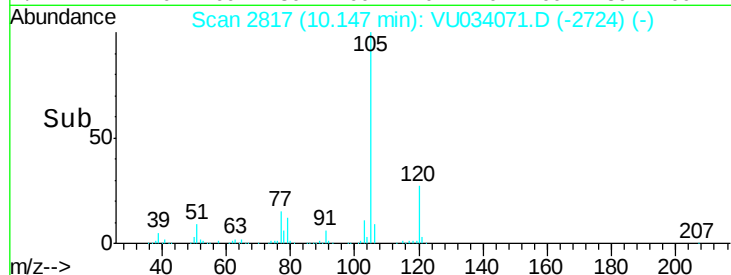
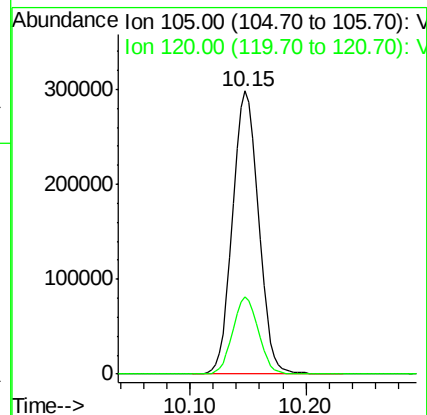
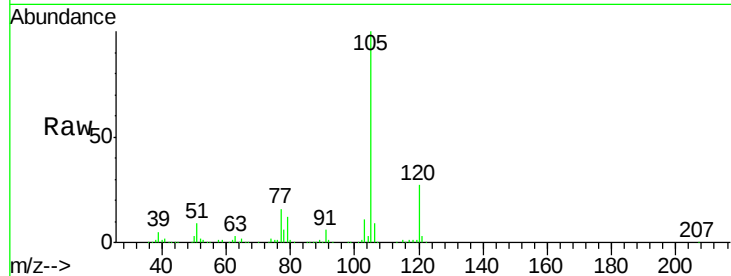
120 26.9 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.451 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion: 43 Resp: 189060

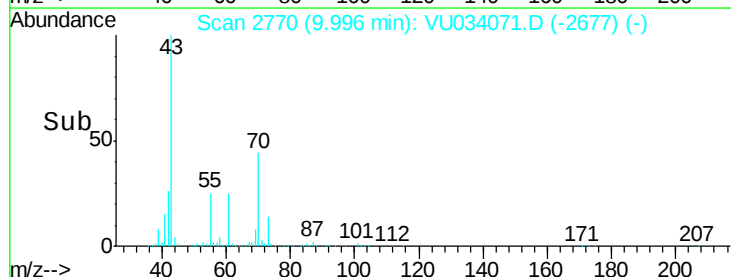
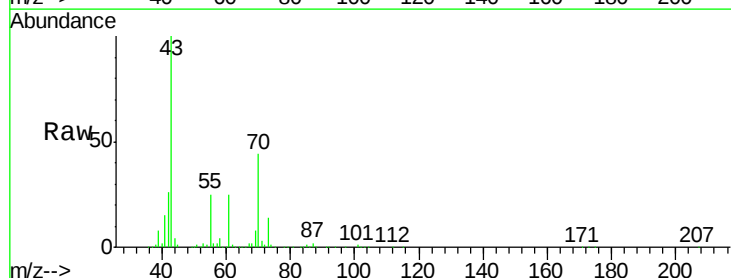
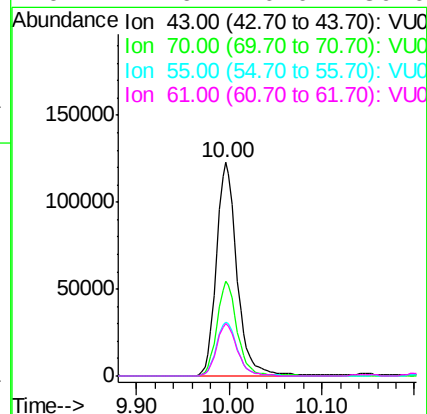
Ion Ratio Lower Upper

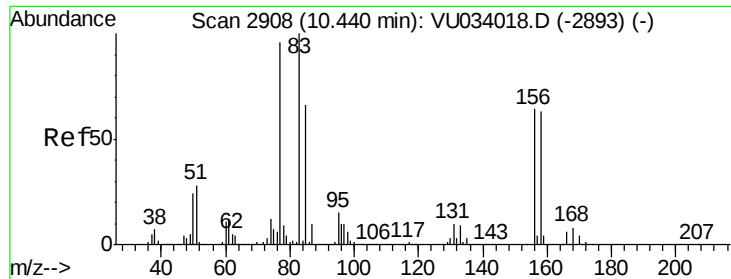
43 100

70 43.8 35.2 52.8

55 26.1 20.5 30.7

61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.495 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

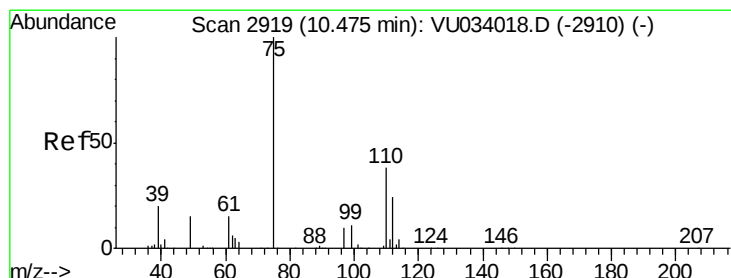
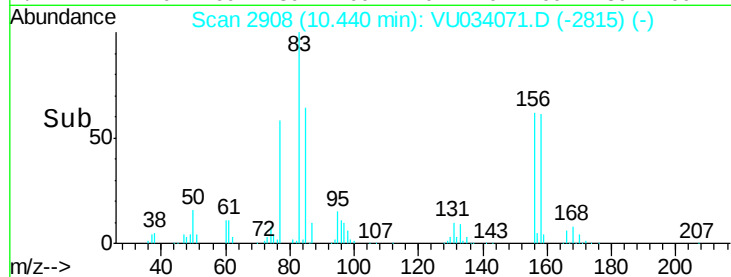
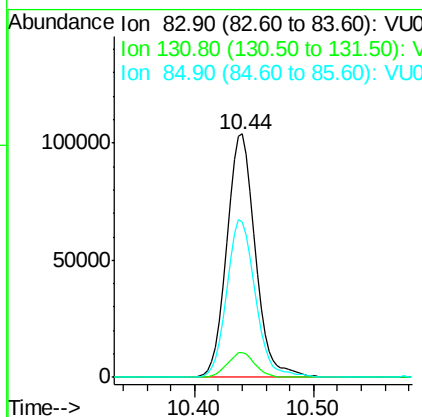
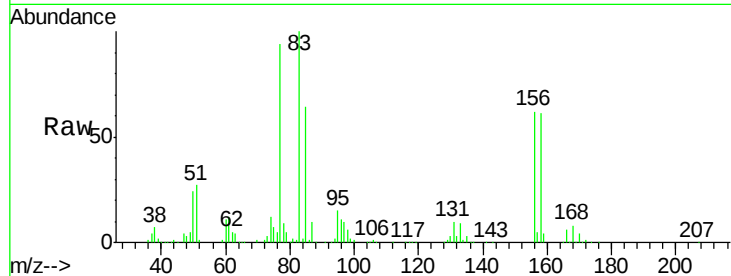
ClientSampleId :

VU0830WBSD01

Tot Ion:	83	Resp:	172441
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	65.2	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 19.085 ug/l m

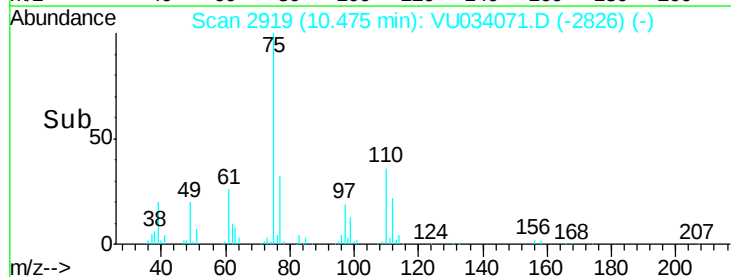
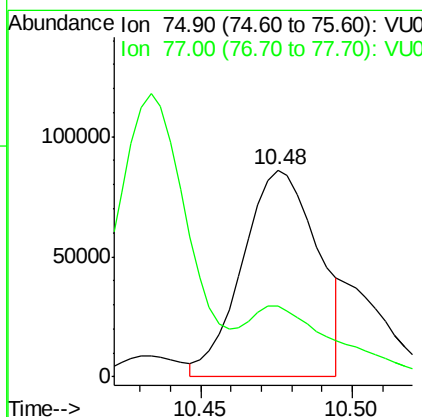
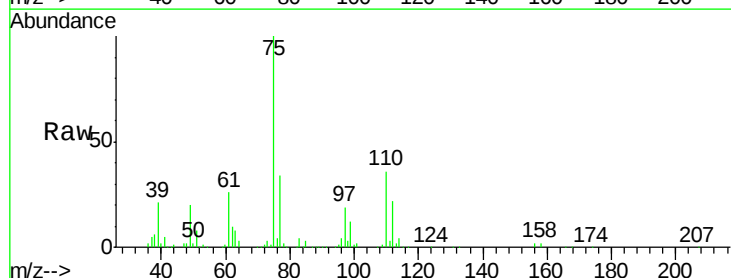
RT: 10.48 min Scan# 2919

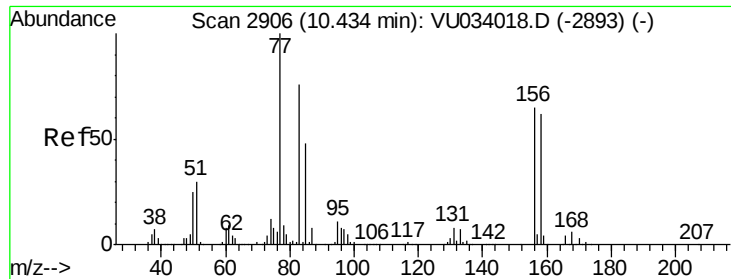
Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	75	Resp:	147991
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.1	60.2





#77

Bromobenzene

Concen: 19.876 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

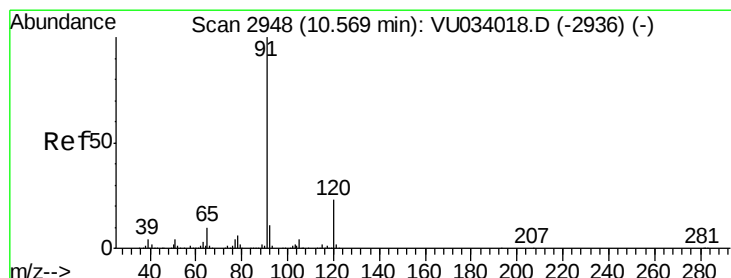
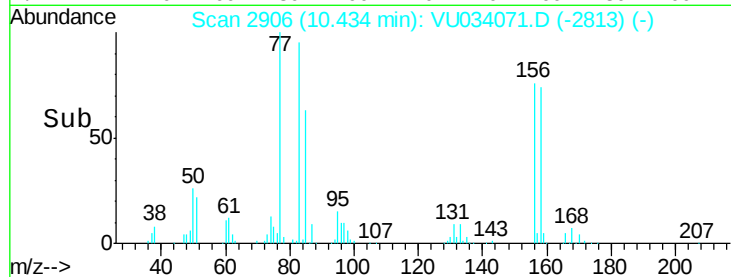
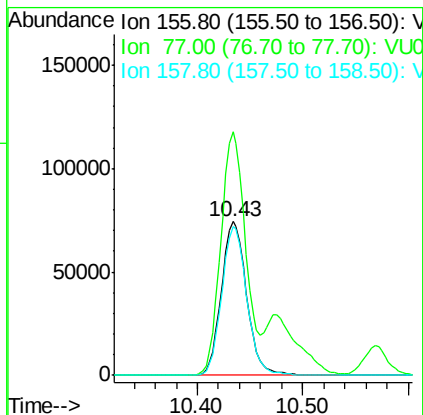
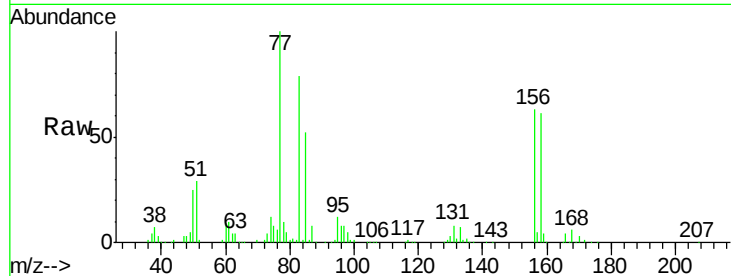
ClientSampleId :

VU0830WBSD01

Tot Ion:	156	Resp:	123560
Ion Ratio	Lower	Upper	
156	100		
77	155.1	76.8	230.5
158	96.0	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.293 ug/l

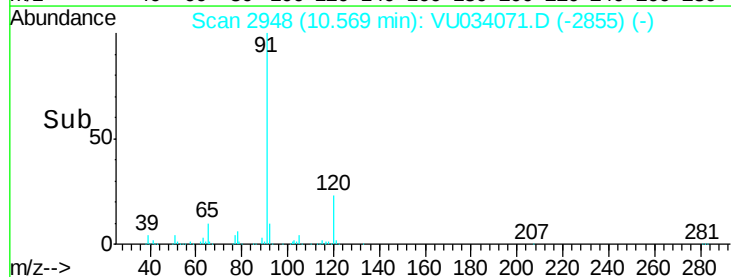
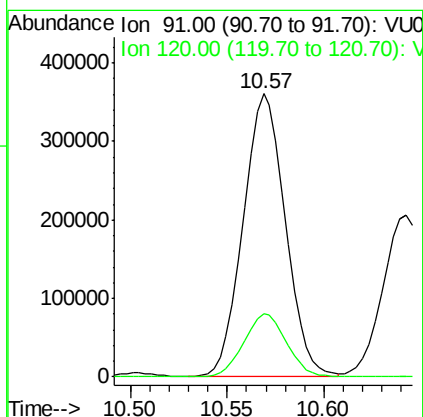
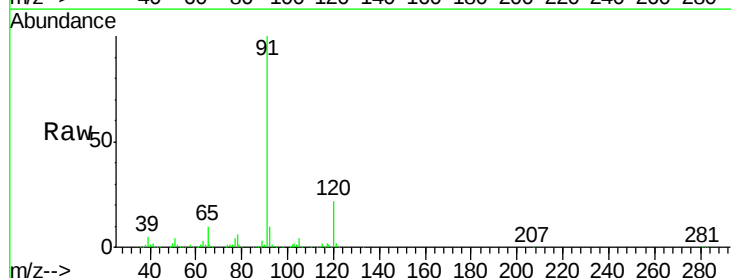
RT: 10.57 min Scan# 2948

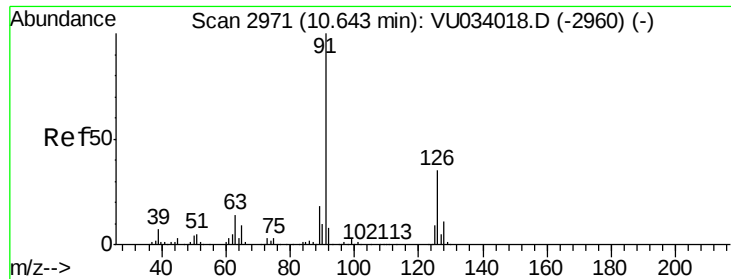
Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Tgt Ion:	91	Resp:	546166
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.434 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034071.D

Acq: 29 Aug 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VU0830WBSD01

Tot Ion: 91 Resp: 329878

Ion Ratio Lower Upper

91 100

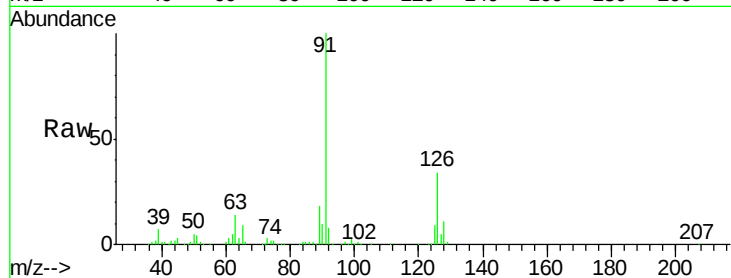
126 33.8 17.1 51.2

Manual Integrations

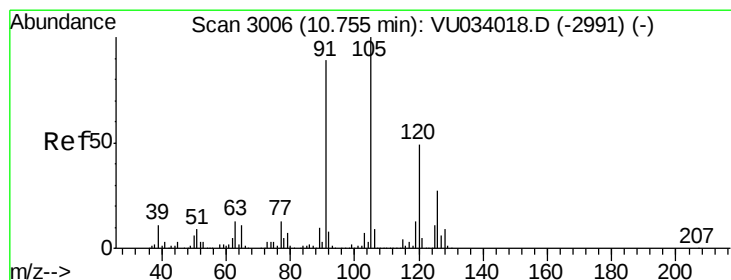
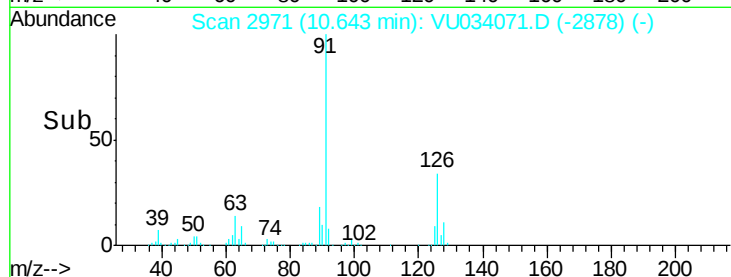
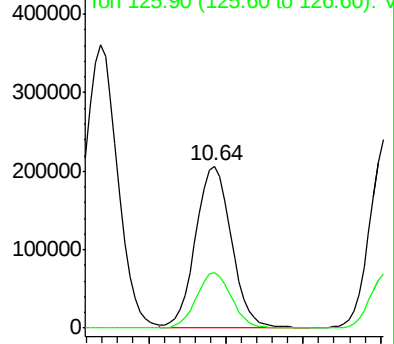
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Abundance Ion 91.00 (90.70 to 91.70): VU034071.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.715 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034071.D

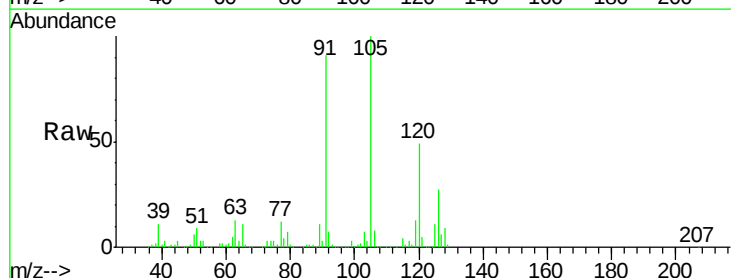
Acq: 29 Aug 2019 18:46

Tgt Ion: 105 Resp: 405745

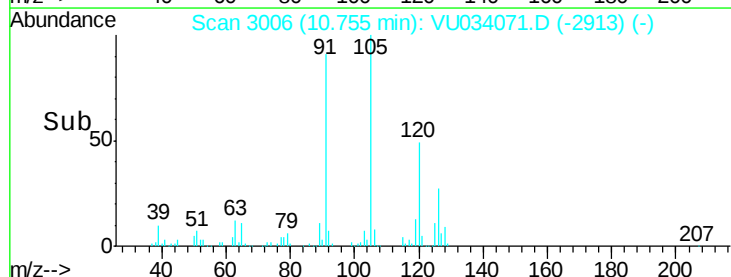
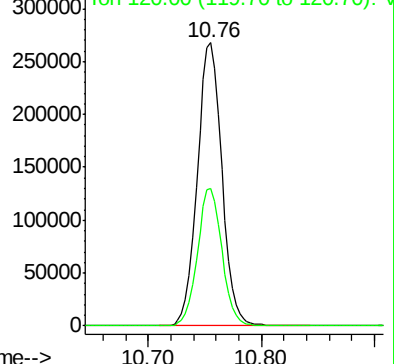
Ion Ratio Lower Upper

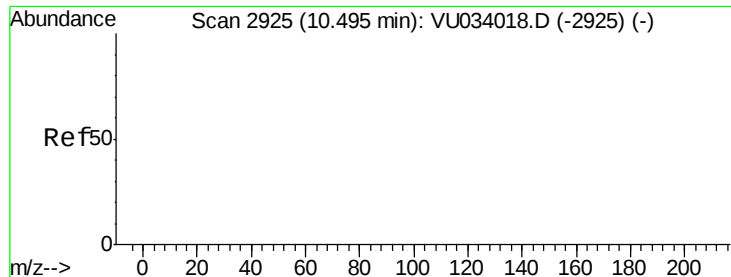
105 100

120 48.4 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034071.D (-2991) (-)





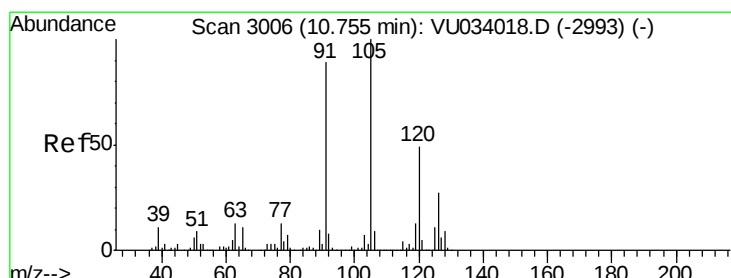
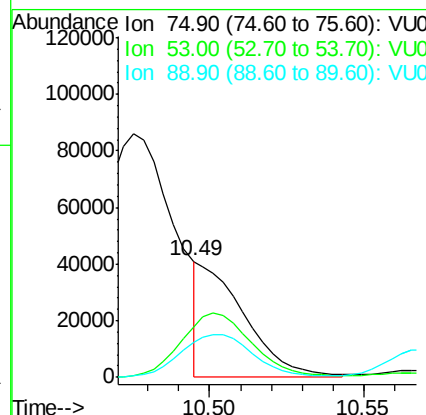
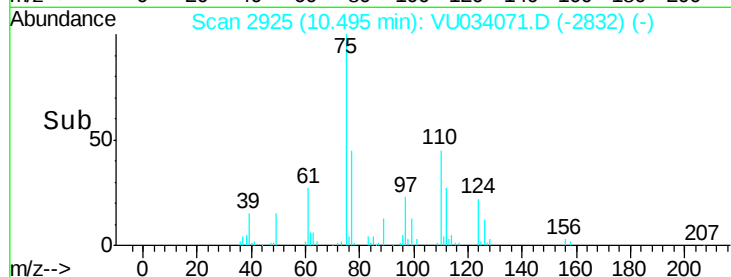
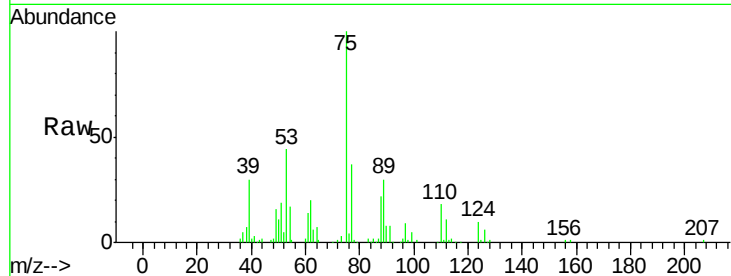
#81
trans-1,4-Dichloro-2-butene
Concen: 18.101 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

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

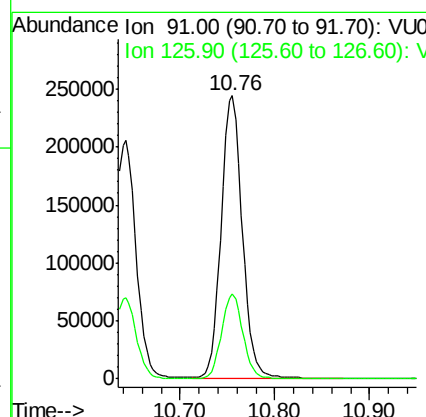
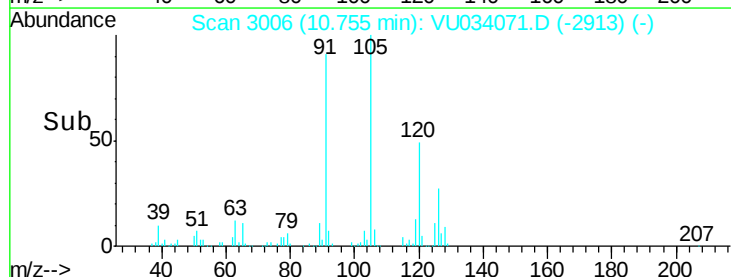
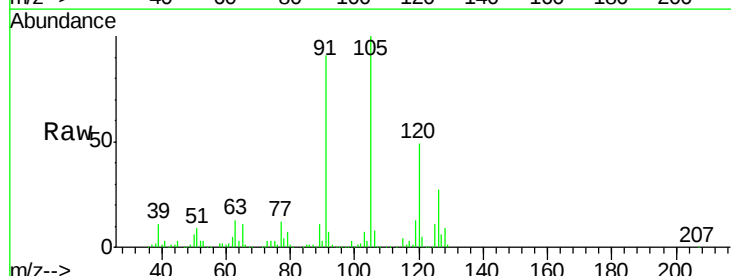
Manual Integrations
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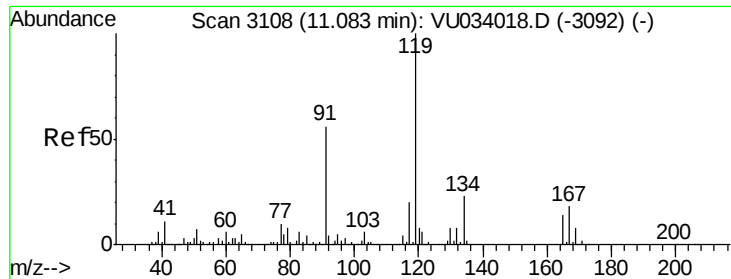
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#82
4-Chlorotoluene
Concen: 20.420 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.0	45.1





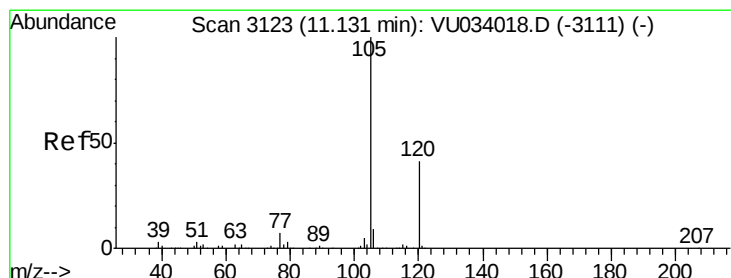
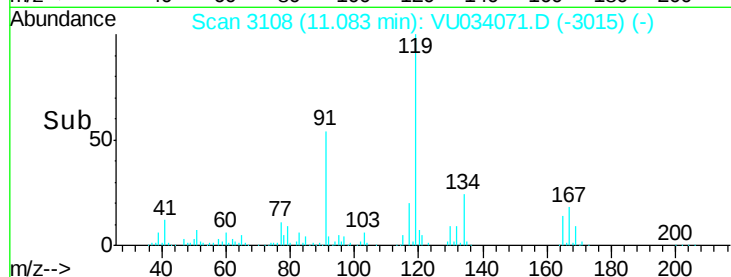
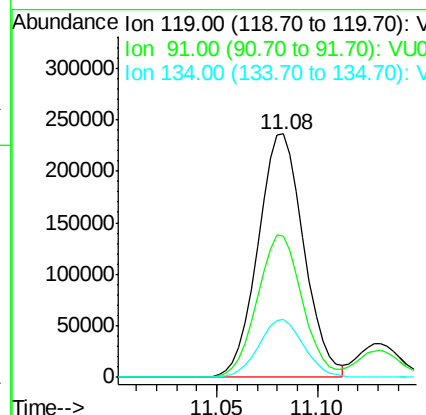
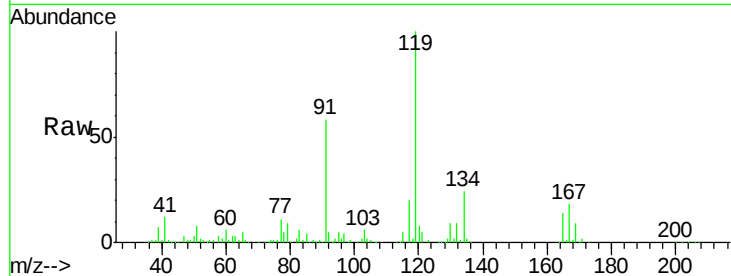
#83
tert-Butylbenzene
Concen: 19.443 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	374915		
91	57.3	27.9	83.6	
134	23.3	11.4	34.2	

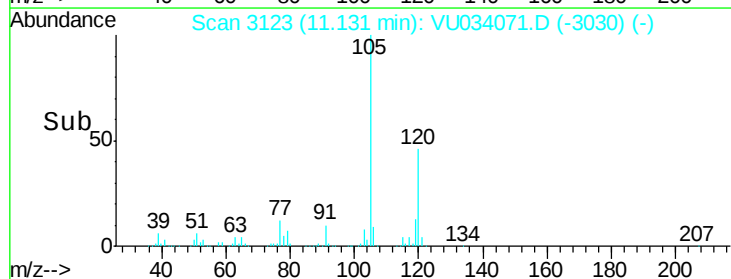
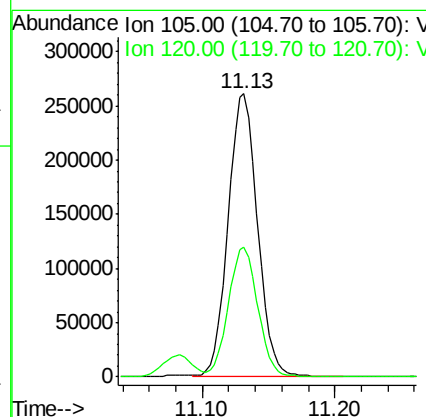
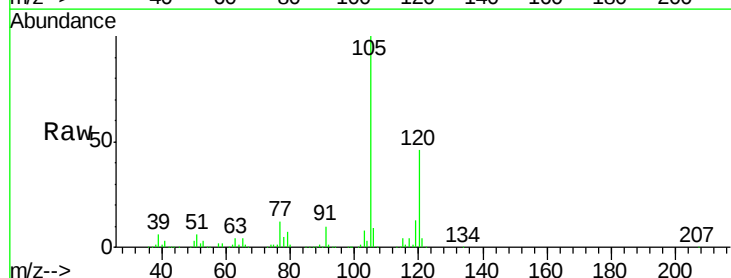
Manual Integrations
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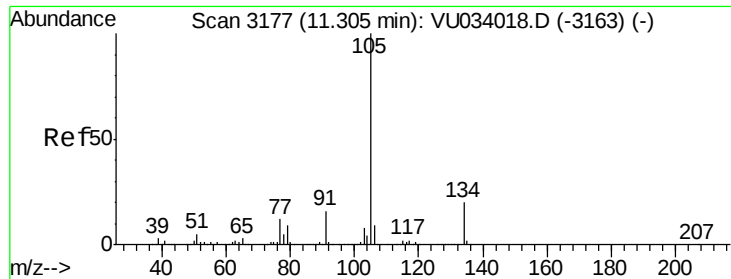
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#84
1,2,4-Trimethylbenzene
Concen: 20.587 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	400410		
120	46.1	22.6	67.8	





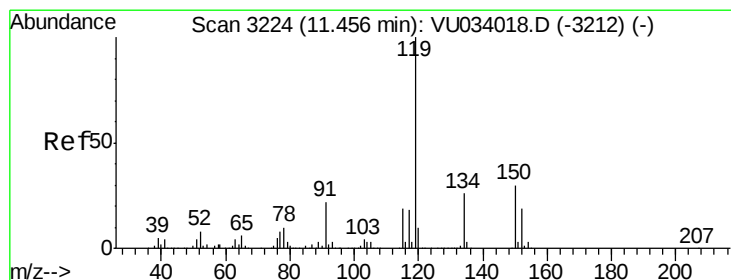
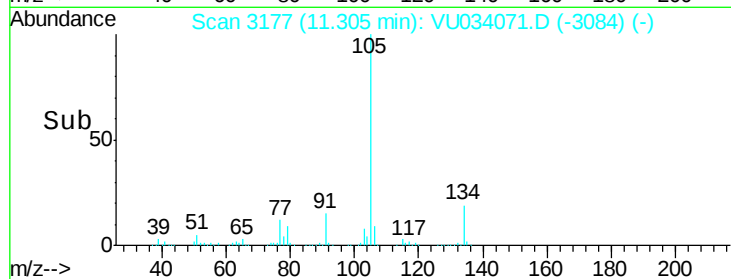
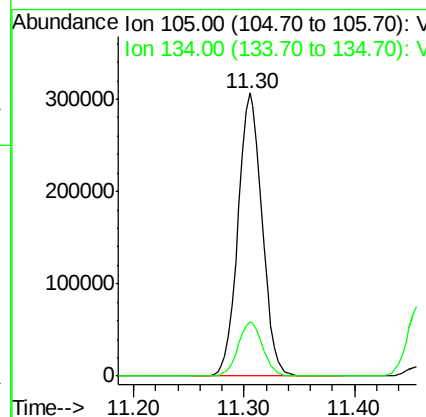
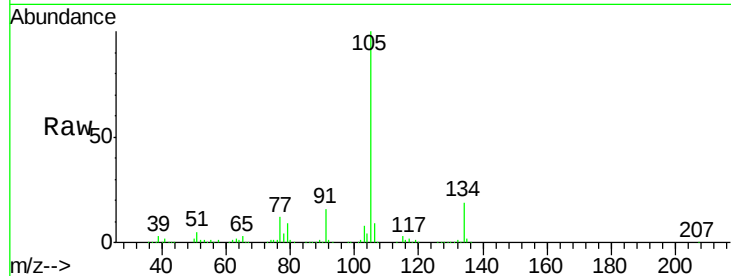
#85
 sec-Butylbenzene
 Concen: 19.984 ug/l
 RT: 11.30 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampled :
 VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	461838		
134	19.6	10.0	30.0	

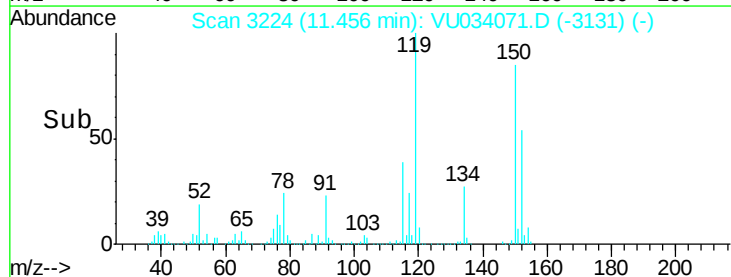
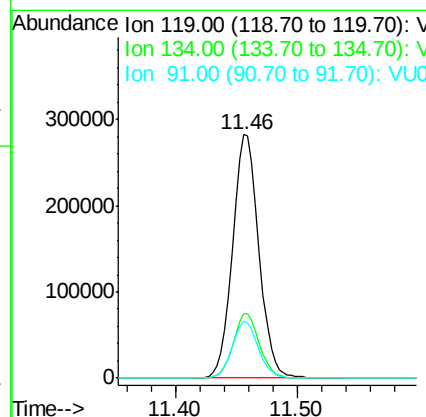
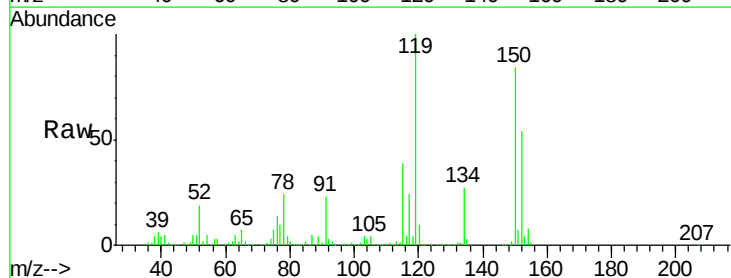
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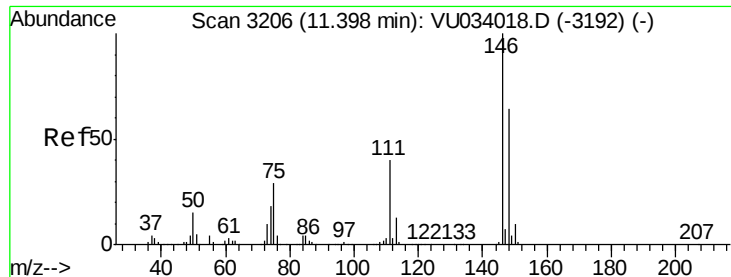
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#86
 p-Isopropyltoluene
 Concen: 20.291 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	424111		
134	26.5	13.1	39.1	
91	23.1	11.2	33.6	





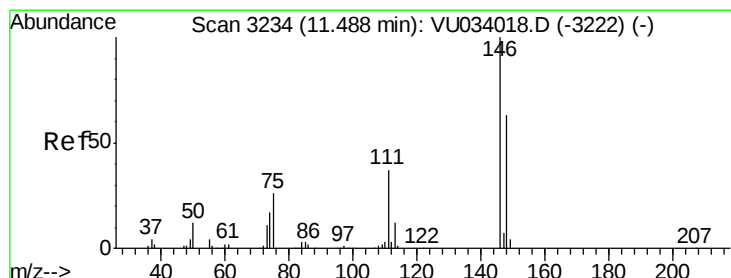
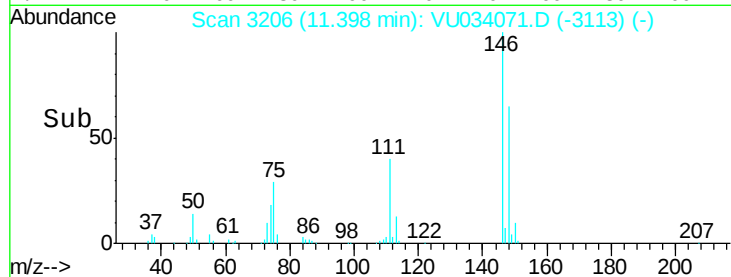
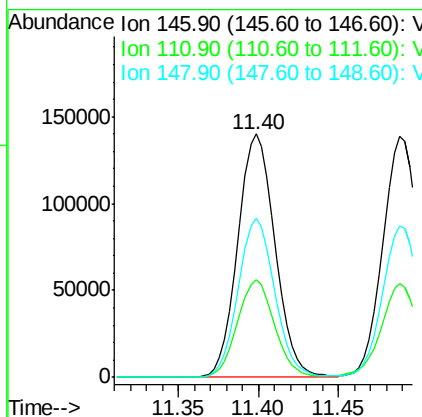
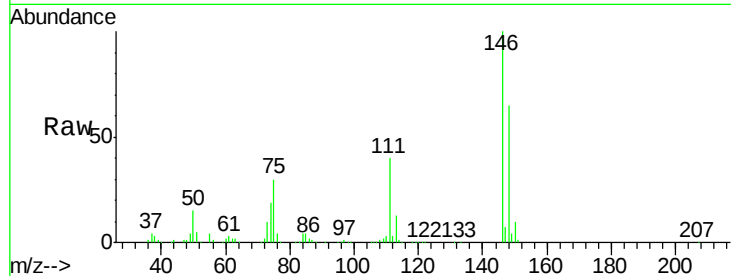
#87
 1,3-Dichlorobenzene
 Concen: 20.204 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampled :
 VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.6
148	64.1	31.9	95.5

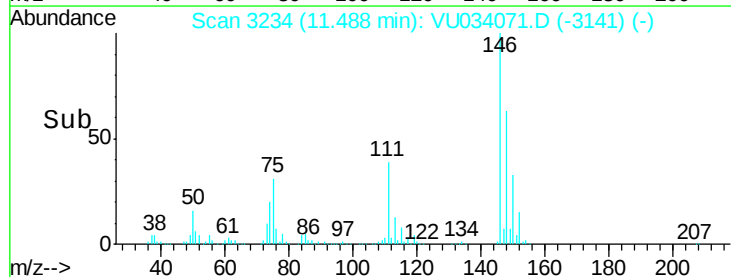
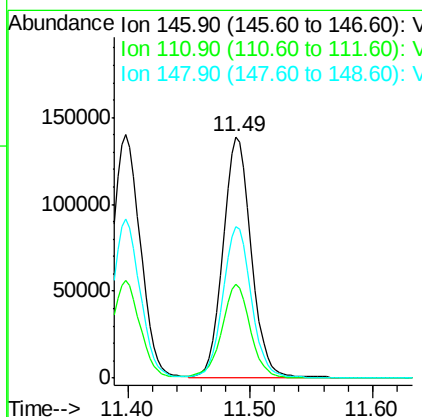
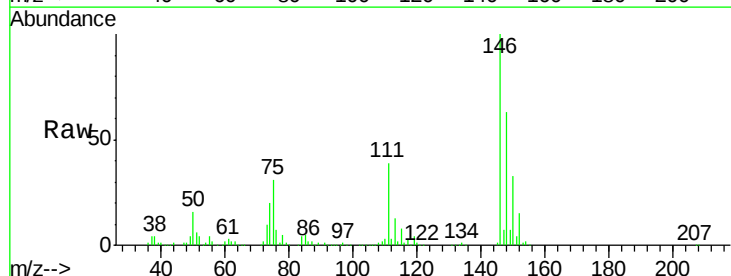
Manual Integrations
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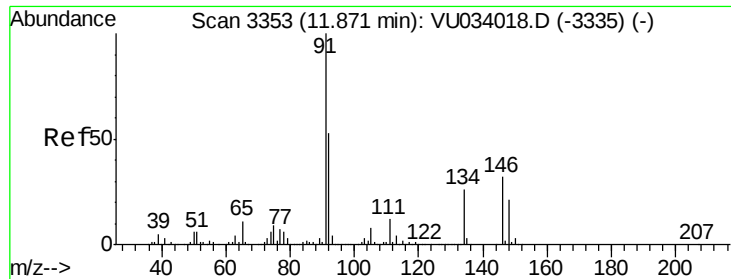
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#88
 1,4-Dichlorobenzene
 Concen: 20.093 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.2	57.6
148	64.0	31.9	95.9





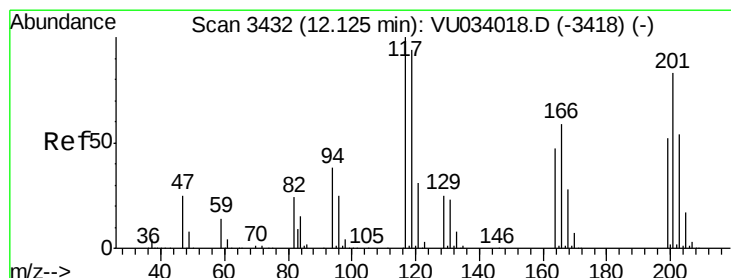
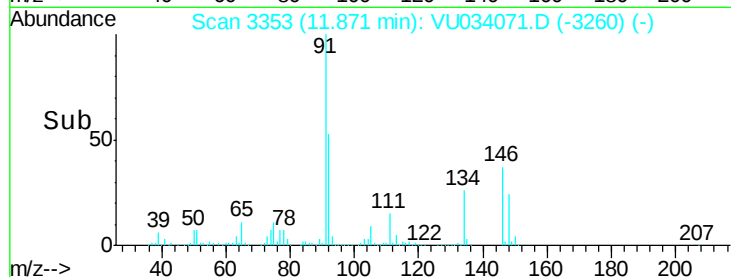
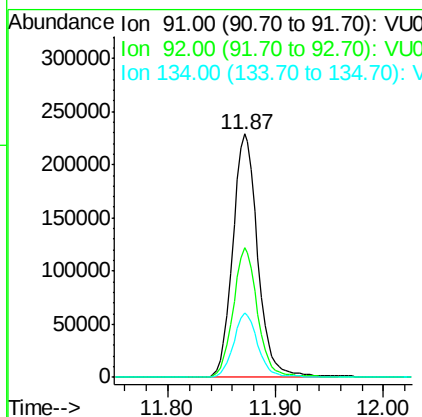
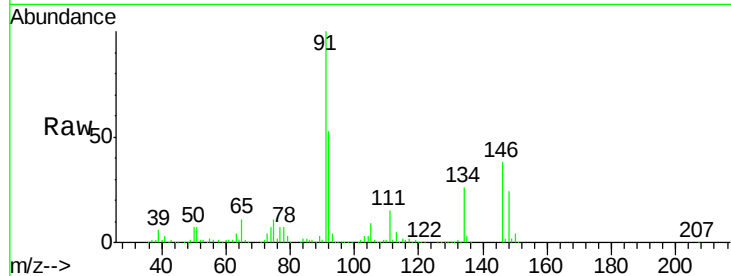
#89
n-Butylbenzene
Concen: 20.132 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	25.7	12.9	38.7

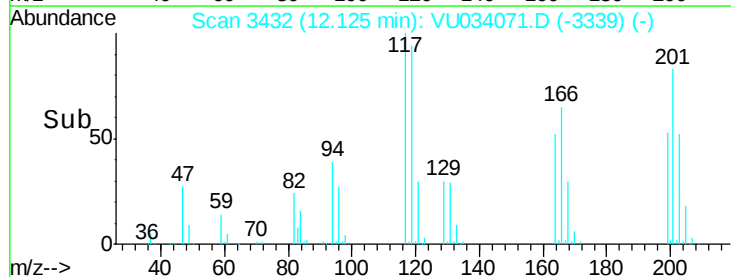
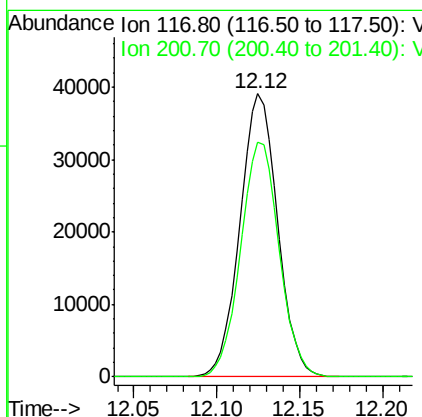
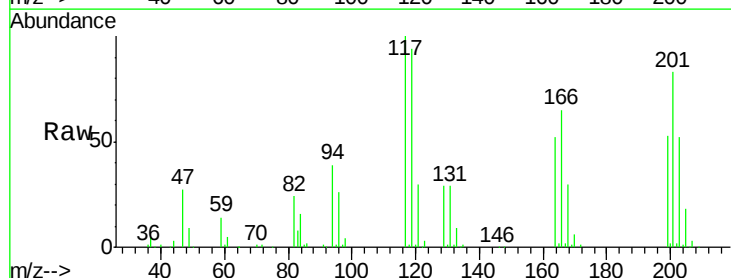
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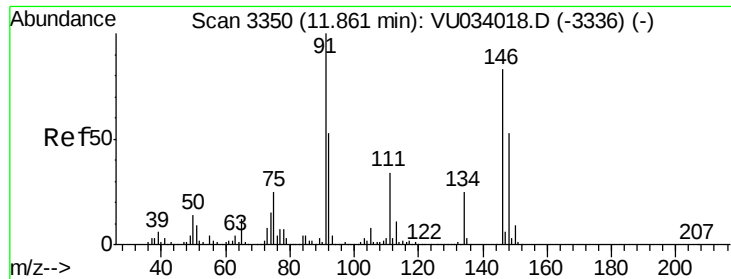
MMDadoda
8/30/2019 12:52:41 PM



#90
Hexachloroethane
Concen: 17.078 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.5	127.6





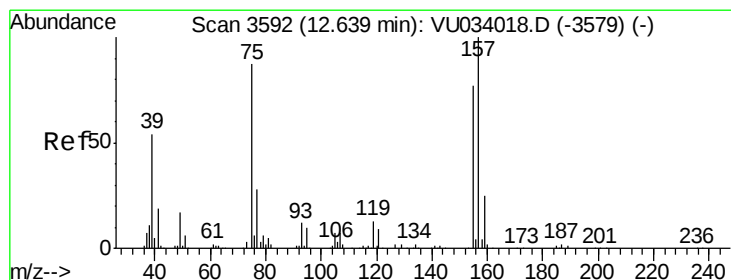
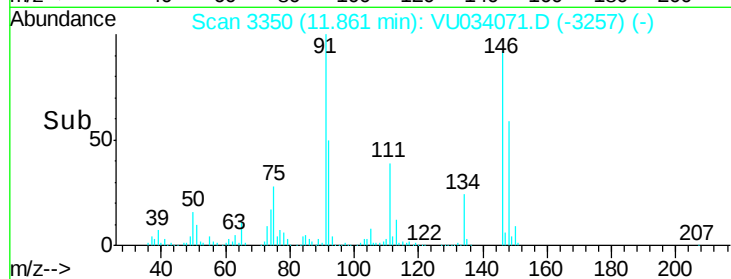
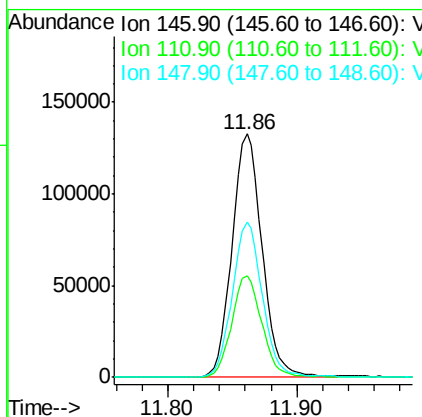
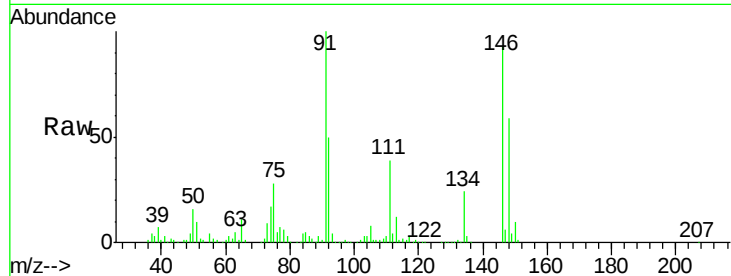
#91
 1,2-Dichlorobenzene
 Concen: 20.441 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	215499		
111	41.9	20.4	61.2	
148	63.4	32.3	96.8	

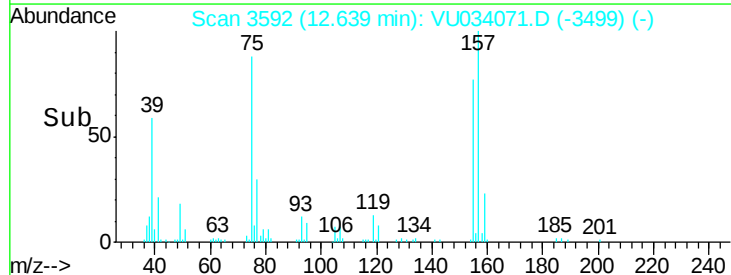
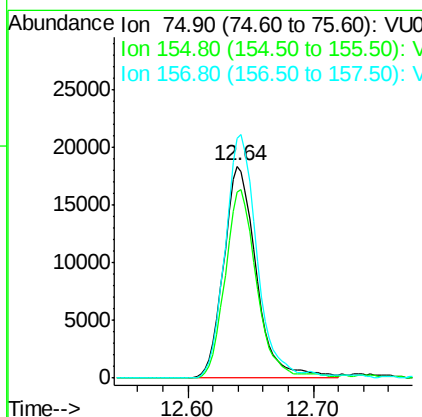
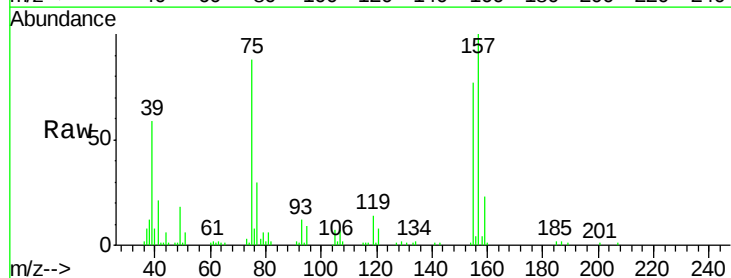
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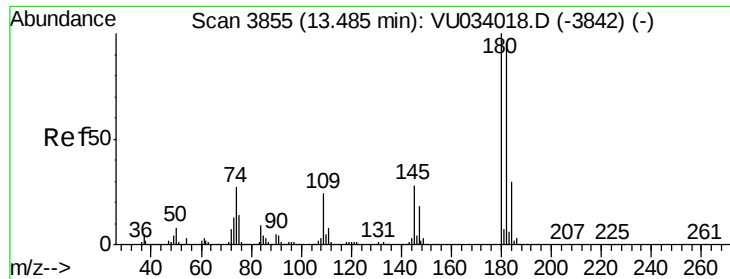
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.875 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33262		
155	84.5	43.5	130.7	
157	112.2	56.9	170.6	





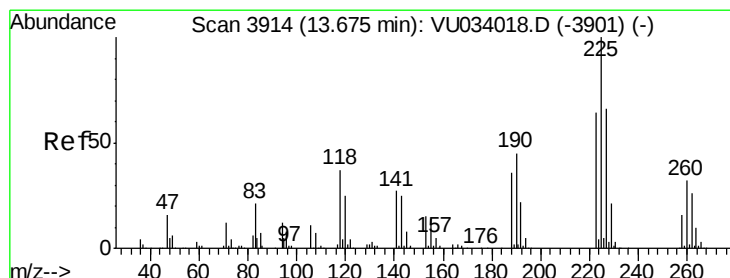
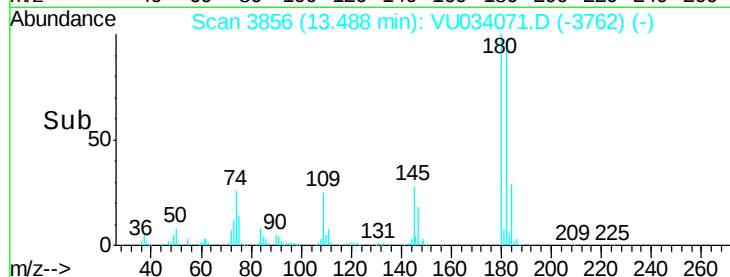
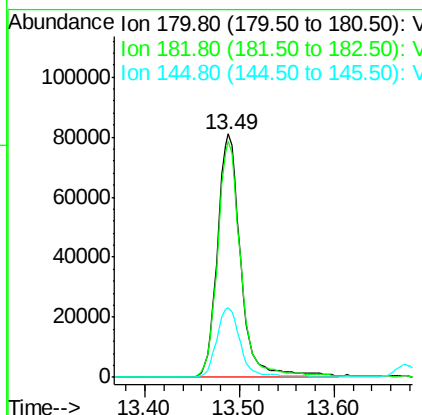
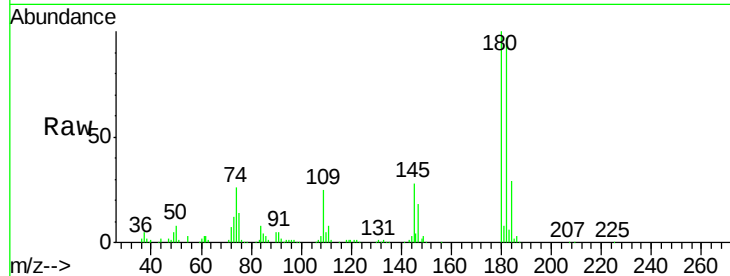
#93
 1,2,4-Trichlorobenzene
 Concen: 19.293 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139433		
182	94.2	47.4	142.2	
145	28.7	14.1	42.3	

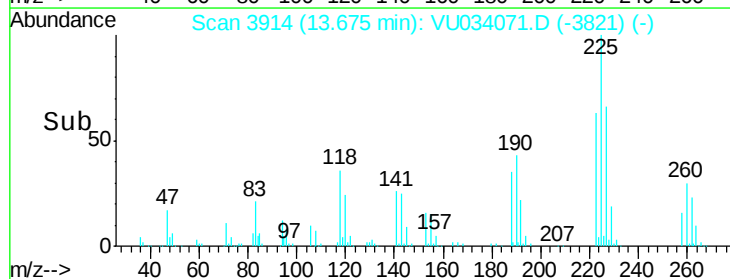
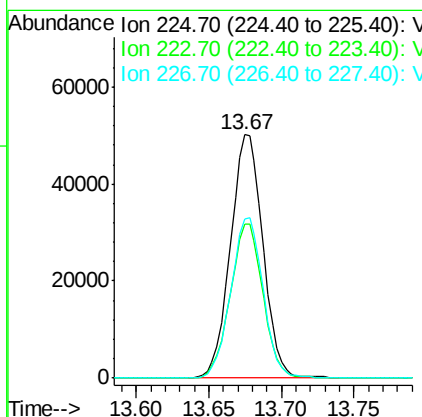
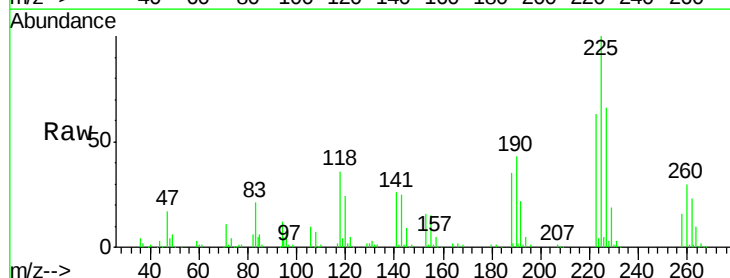
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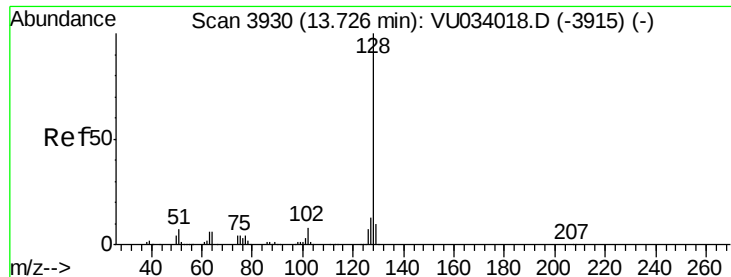
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#94
 Hexachlorobutadiene
 Concen: 18.860 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU034071.D
 Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77785		
223	63.5	31.8	95.3	
227	65.6	32.6	97.8	





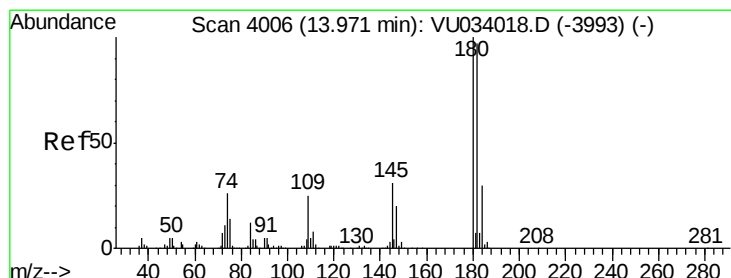
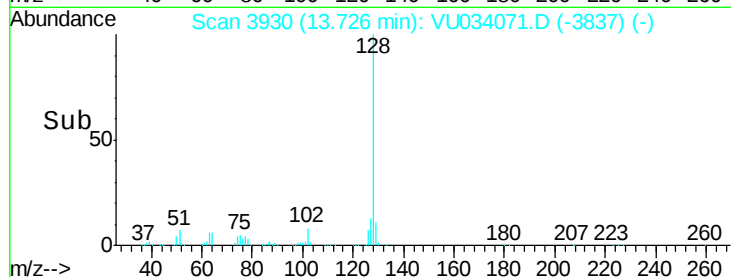
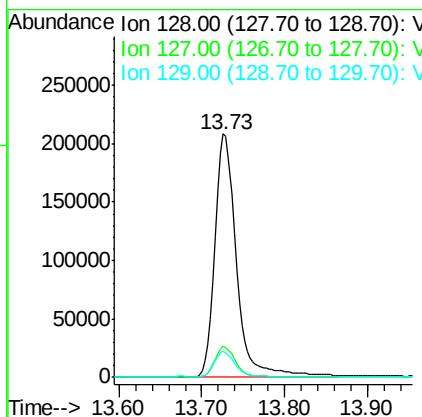
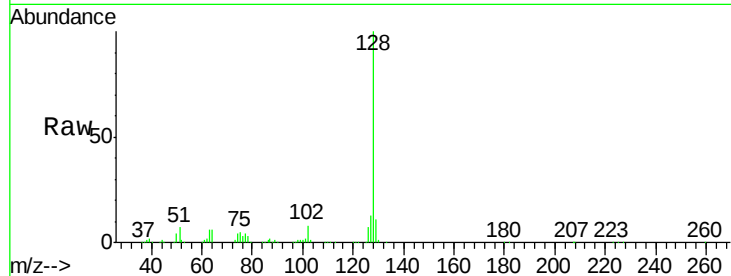
#95
Naphthalene
Concen: 18.856 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VU0830WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	380101		
127	12.5		10.2	15.4
129	10.3		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.907 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU034071.D
Acq: 29 Aug 2019 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141197		
182	95.4		48.2	144.6
145	30.4		15.5	46.5

