

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091019\
 Data File : VU034441.D
 Acq On : 10 Sep 2019 11:19
 Operator : JC/SP
 Sample : VU0910WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2019 1:42:34 PM

Quant Time: Sep 11 06:30:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	253612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	363607	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	358465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	239622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	195773	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	4.86	113	173356	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	7.54	98	656951	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	10.29	95	242014	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51581	19.447	ug/l	100
3) Chloromethane	1.32	50	60592	21.095	ug/l	100
4) Vinyl Chloride	1.40	62	63811	19.306	ug/l	97
5) Bromomethane	1.62	94	38826	20.648	ug/l	96
6) Chloroethane	1.69	64	42611	21.612	ug/l	99
7) Trichlorofluoromethane	1.88	101	92874	20.957	ug/l	100
8) Diethyl Ether	2.09	74	40756	20.907	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61016	20.787	ug/l	99
10) Methyl Iodide	2.40	142	36876	16.522	ug/l	96
11) Tert butyl alcohol	2.81	59	91990	113.475	ug/l	97
12) 1,1-Dichloroethene	2.27	96	56163	20.354	ug/l	94
13) Acrolein	2.18	56	45511	66.795	ug/l	100
14) Allyl chloride	2.58	41	102844m	19.496	ug/l	
15) Acrylonitrile	2.92	53	210950	104.495	ug/l	98
16) Acetone	2.31	43	184567	92.946	ug/l	100
17) Carbon Disulfide	2.47	76	108808	17.545	ug/l	100
18) Methyl Acetate	2.60	43	98316	20.347	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	214002	21.278	ug/l	99
20) Methylene Chloride	2.69	84	73989	22.529	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	59029	20.300	ug/l	98
22) Diisopropyl ether	3.55	45	223588	21.734	ug/l	94
23) Vinyl Acetate	3.50	43	888160	105.988	ug/l	99
24) 1,1-Dichloroethane	3.43	63	129744	21.118	ug/l	99
25) 2-Butanone	4.24	43	274093	103.404	ug/l	99
26) 2,2-Dichloropropane	4.21	77	101888	20.620	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	74092	20.980	ug/l	99
28) Bromochloromethane	4.52	49	60951	21.569	ug/l	97
29) Tetrahydrofuran	4.61	42	168972	104.758	ug/l	99
30) Chloroform	4.65	83	133254	21.338	ug/l	97
31) Cyclohexane	4.97	56	88498	19.690	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	106882	21.407	ug/l	98
36) 1,1-Dichloropropene	5.12	75	79512	20.164	ug/l	99
37) Ethyl Acetate	4.36	43	99687	21.381	ug/l	98
38) Carbon Tetrachloride	5.11	117	91444	21.718	ug/l	99

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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	83081	19.709	ug/l	98
40) Benzene	5.37	78	271351	21.325	ug/l	100
41) Methacrylonitrile	4.52	41	54162	21.809	ug/l	99
42) 1,2-Dichloroethane	5.38	62	96180	21.771	ug/l	100
43) Isopropyl Acetate	5.53	43	151064	20.770	ug/l	99
44) Trichloroethene	6.17	130	73421	20.852	ug/l	99
45) 1,2-Dichloropropane	6.41	63	80636	21.677	ug/l	97
46) Dibromomethane	6.54	93	50723	21.723	ug/l	99
47) Bromodichloromethane	6.74	83	104888	21.823	ug/l	99
48) Methyl methacrylate	6.60	41	70031	20.273	ug/l	98
49) 1,4-Dioxane	6.59	88	30234	400.806	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	535898	106.446	ug/l	100
52) Toluene	7.62	92	171863	21.531	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	104179	20.910	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	118210	21.617	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	76901	21.217	ug/l	95
56) Ethyl methacrylate	8.00	69	103949	20.792	ug/l	99
57) 1,3-Dichloropropane	8.22	76	126596	21.450	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	166880	100.239	ug/l	98
59) 2-Hexanone	8.34	43	398404	105.930	ug/l	98
60) Dibromochloromethane	8.46	129	86711	22.305	ug/l	99
61) 1,2-Dibromoethane	8.57	107	76733	21.630	ug/l	99
64) Tetrachloroethene	8.21	164	65701	21.127	ug/l	96
65) Chlorobenzene	9.10	112	196860	21.646	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	75802	21.840	ug/l	98
67) Ethyl Benzene	9.23	91	314676	21.162	ug/l	99
68) m/p-Xylenes	9.35	106	247237	44.154	ug/l	99
69) o-Xylene	9.76	106	117929	21.536	ug/l	97
70) Styrene	9.77	104	210154	21.889	ug/l	99
71) Bromoform	9.94	173	66271	22.032	ug/l #	100
73) Isopropylbenzene	10.14	105	330508	21.195	ug/l	100
74) N-amyl acetate	9.99	43	129832	20.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	134966	21.382	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	111644m	21.345	ug/l	
77) Bromobenzene	10.43	156	93681	21.485	ug/l	97
78) n-propylbenzene	10.57	91	379974	21.098	ug/l	99
79) 2-Chlorotoluene	10.64	91	233895	21.285	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	288069	22.088	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	31188m	20.052	ug/l	
82) 4-Chlorotoluene	10.75	91	267317	21.139	ug/l	99
83) tert-Butylbenzene	11.08	119	278945	21.380	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	289162	22.026	ug/l	100
85) sec-Butylbenzene	11.30	105	333081	21.625	ug/l	100
86) p-Isopropyltoluene	11.45	119	306272	21.543	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	166913	20.978	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	169723	20.451	ug/l	98
89) n-Butylbenzene	11.87	91	256336	20.748	ug/l	98
90) Hexachloroethane	12.12	117	47931	21.073	ug/l	100
91) 1,2-Dichlorobenzene	11.85	146	164038	20.978	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24921	21.485	ug/l	99

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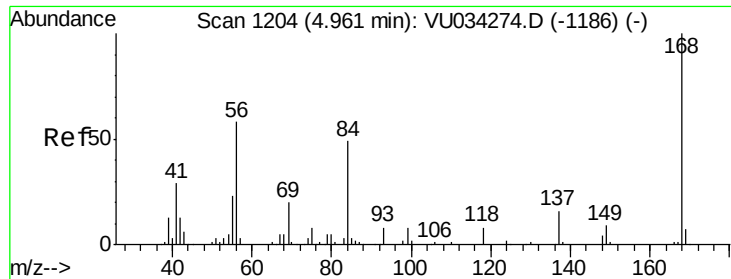
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	102140	20.219	ug/l	99
94) Hexachlorobutadiene	13.67	225	52749	19.285	ug/l	99
95) Naphthalene	13.72	128	259683	18.937	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	102987	20.448	ug/l	97

(#) = 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: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion:168 Resp: 253612

Ion Ratio Lower Upper

168 100

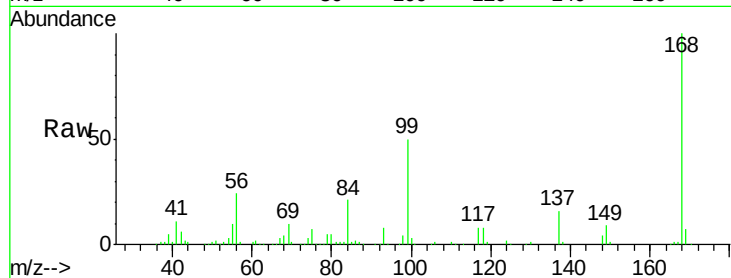
99 49.8 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

60000

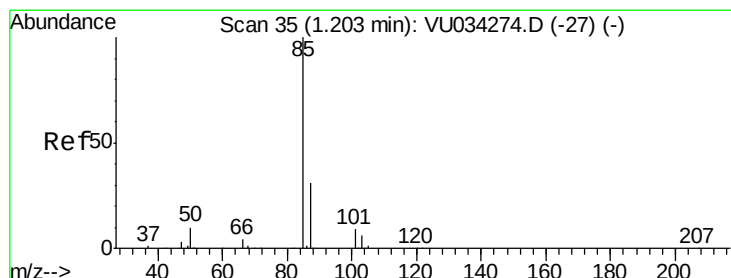
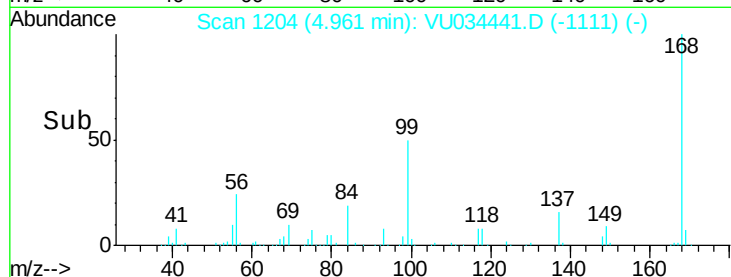
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.447 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034441.D

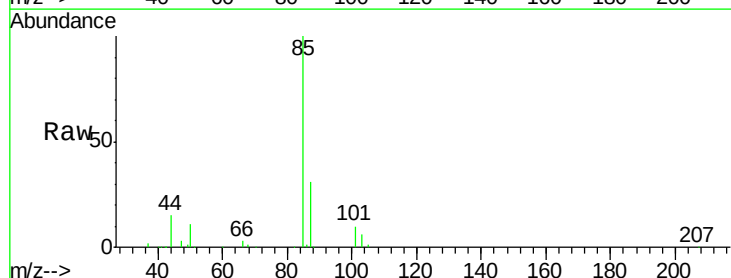
Acq: 10 Sep 2019 11:19

Tgt Ion: 85 Resp: 51581

Ion Ratio Lower Upper

85 100

87 31.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

50000

40000

30000

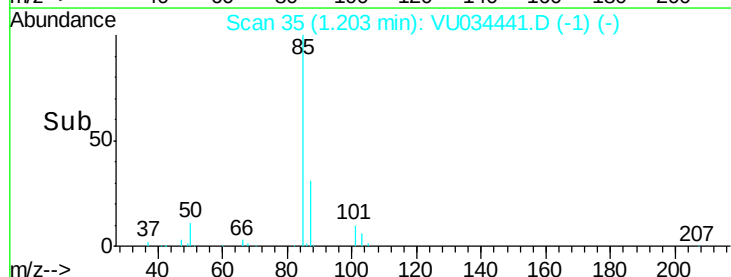
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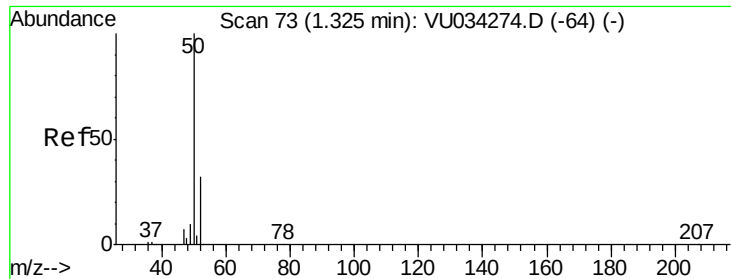
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.095 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion: 50 Resp: 60592

Ion Ratio Lower Upper

50 100

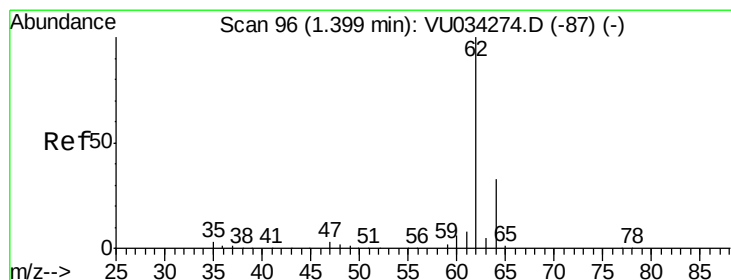
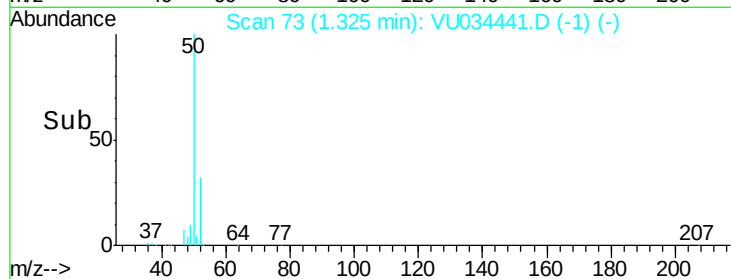
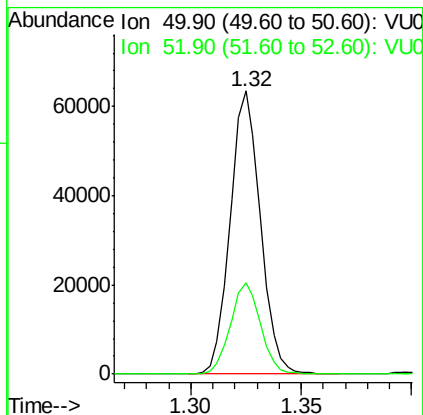
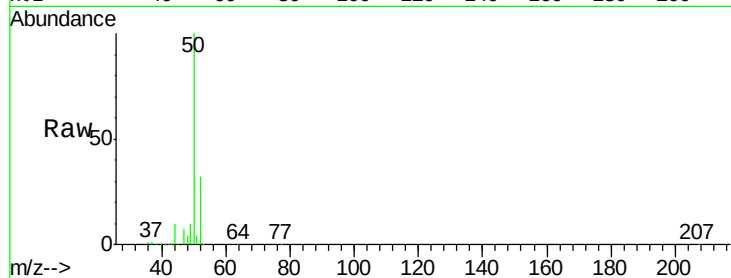
52 32.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.306 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034441.D

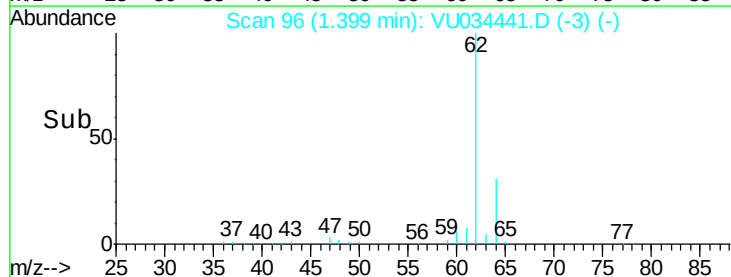
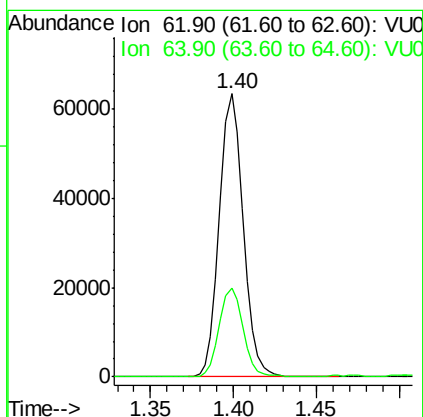
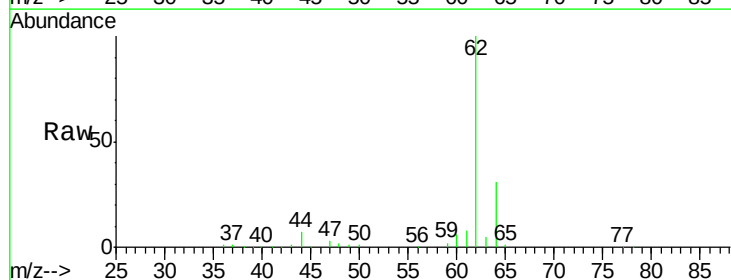
Acq: 10 Sep 2019 11:19

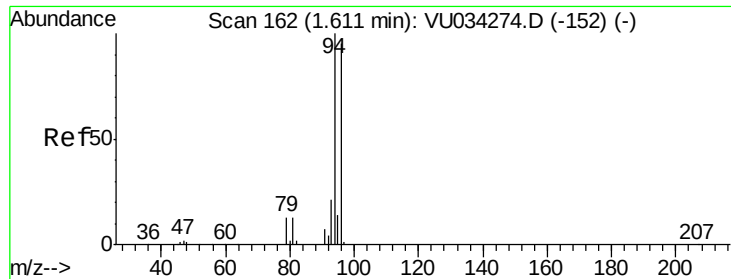
Tgt Ion: 62 Resp: 63811

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.4





#5

Bromomethane

Concen: 20.648 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion: 94 Resp: 38826

Ion Ratio Lower Upper

94 100

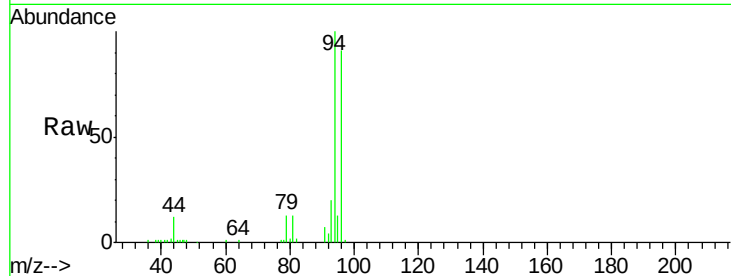
96 91.2 75.7 113.5

Manual Integrations

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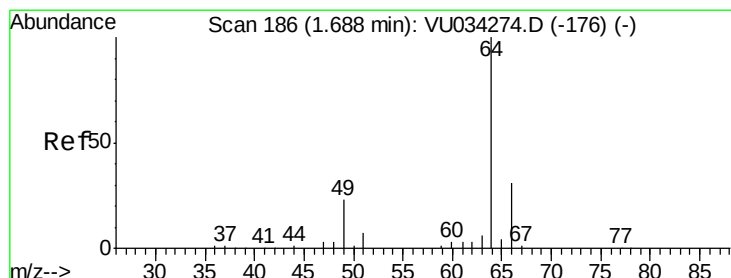
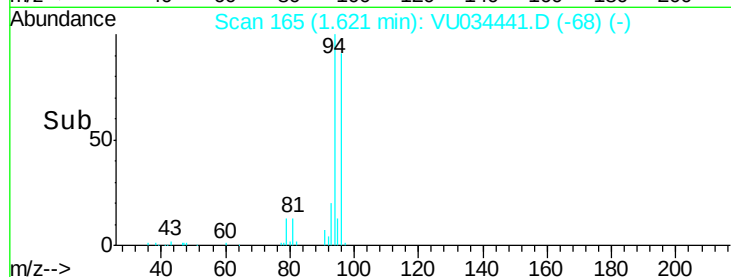
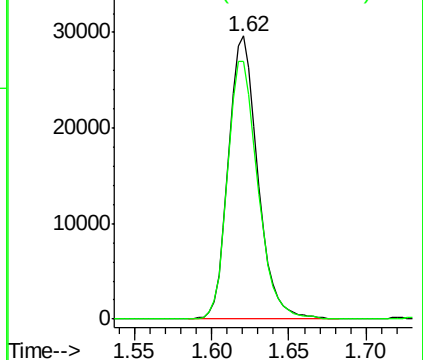
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.612 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034441.D

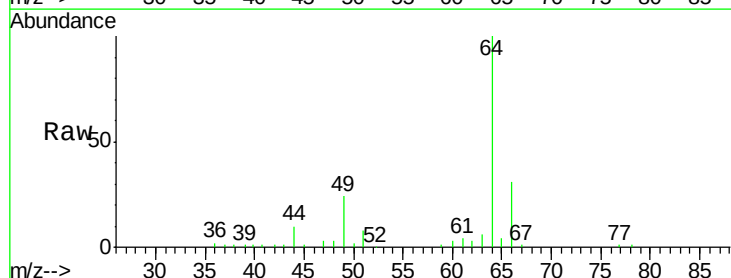
Acq: 10 Sep 2019 11:19

Tgt Ion: 64 Resp: 42611

Ion Ratio Lower Upper

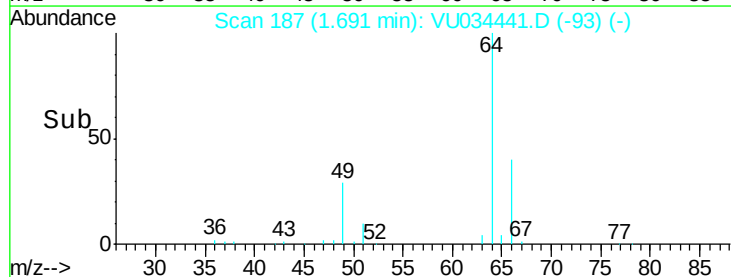
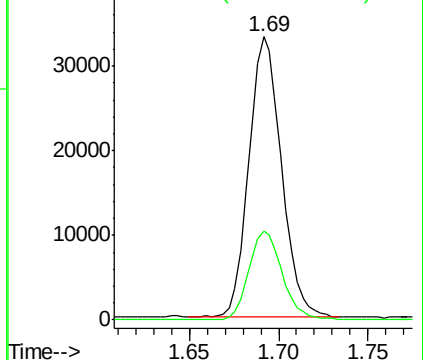
64 100

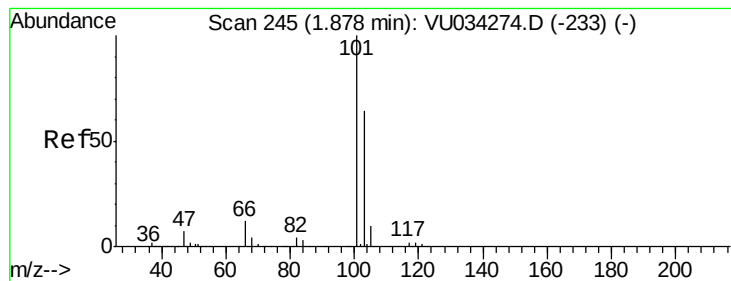
66 31.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





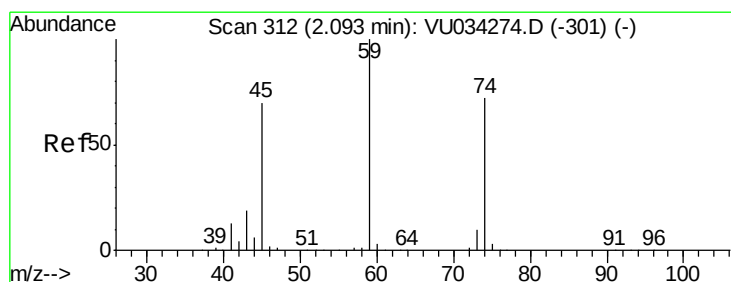
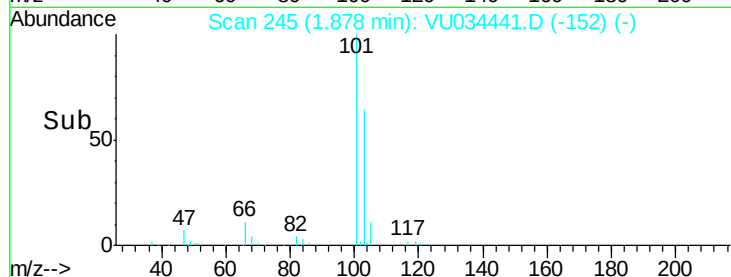
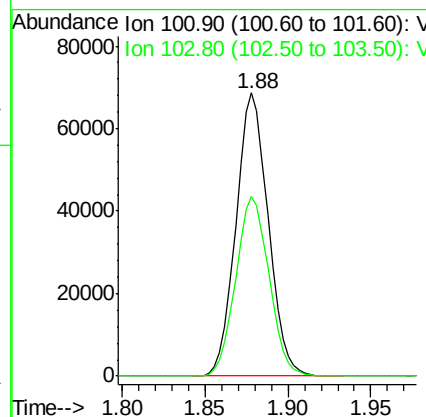
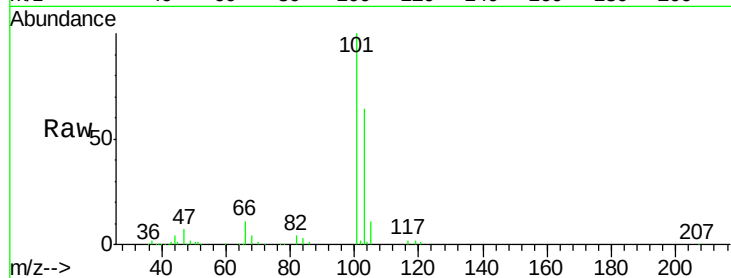
#7
 Trichlorofluoromethane
 Concen: 20.957 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.6

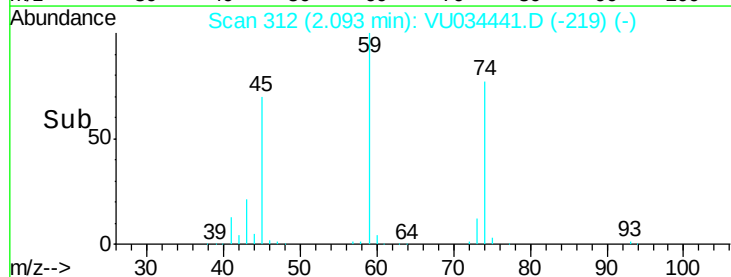
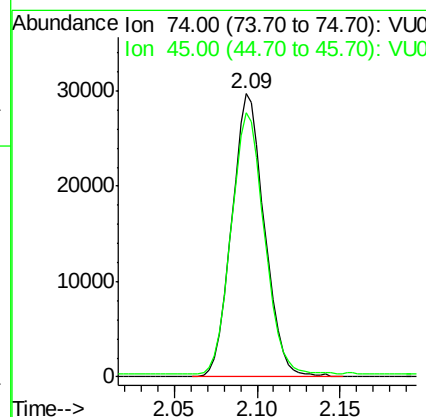
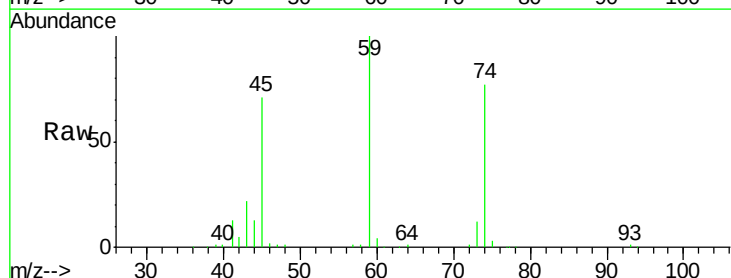
Manual Integrations
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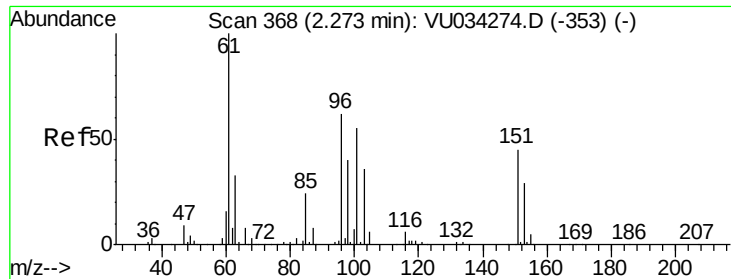
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 9/11/2019 1:42:34 PM



#8
 Diethyl Ether
 Concen: 20.907 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.787 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

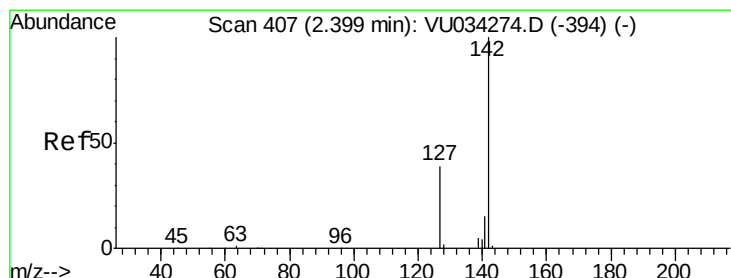
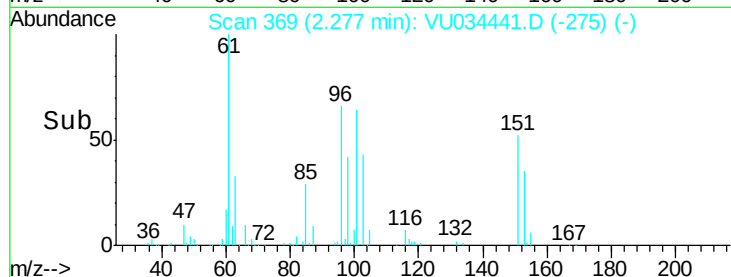
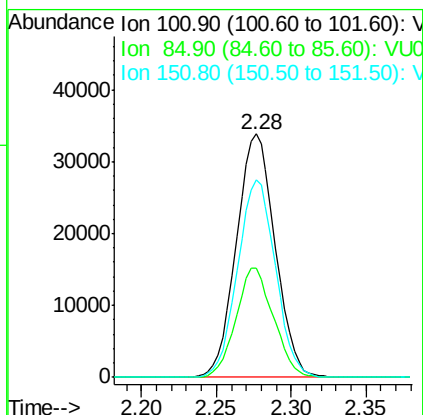
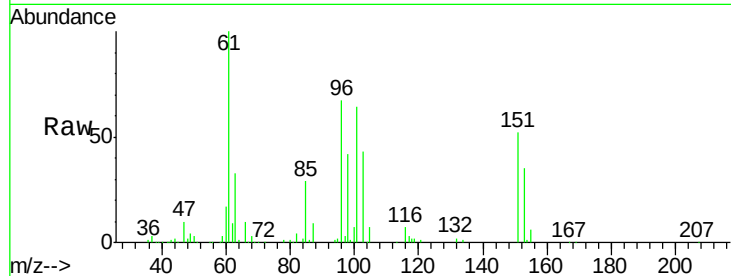
ClientSampleId :

VU0910WBS01

Tot Ion:	101	Resp:	61016
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.4	51.6
151	79.4	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.522 ug/l

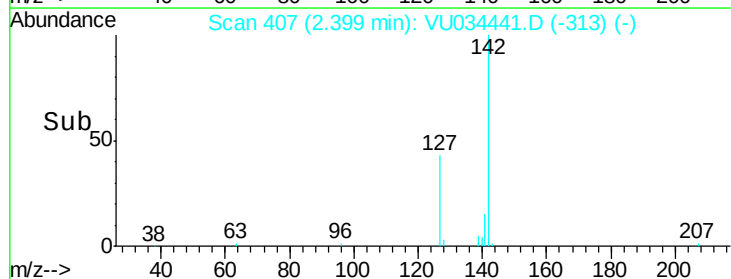
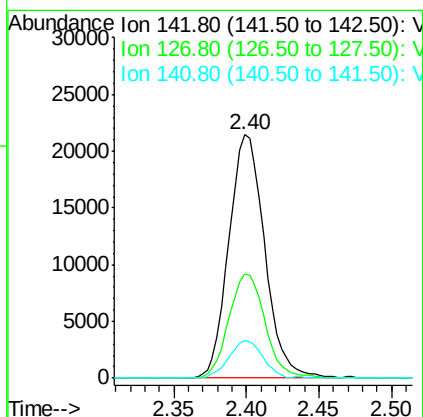
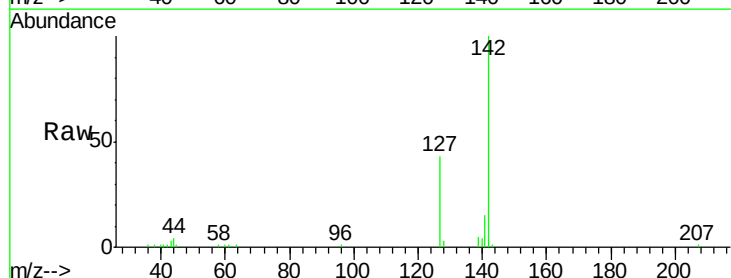
RT: 2.40 min Scan# 407

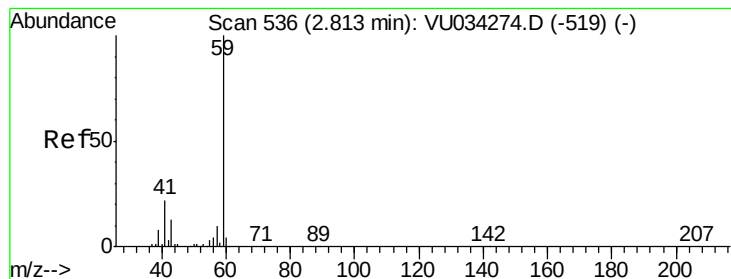
Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion:	142	Resp:	36876
Ion Ratio	Lower	Upper	
142	100		
127	43.1	32.1	48.1
141	14.4	11.5	17.3





#11

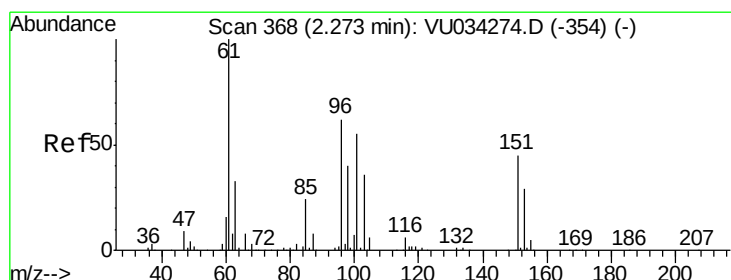
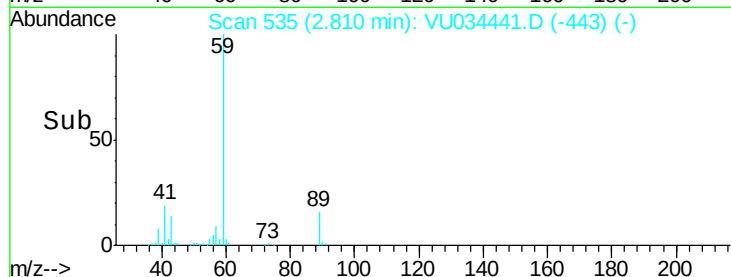
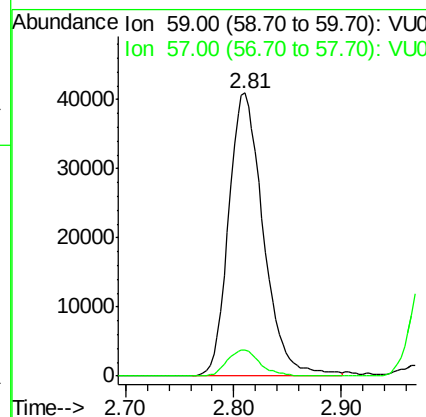
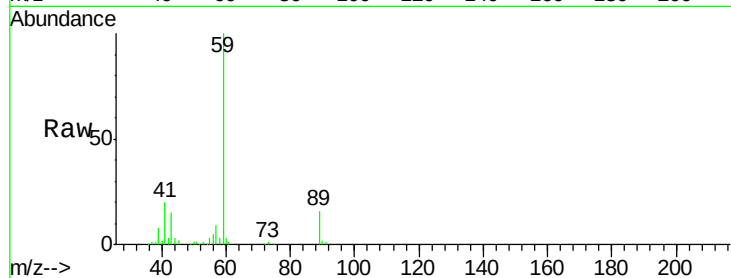
Tert butyl alcohol
 Concen: 113.475 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.9	11.9

Manual Integrations
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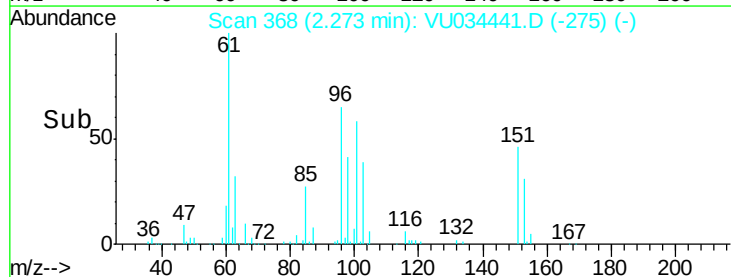
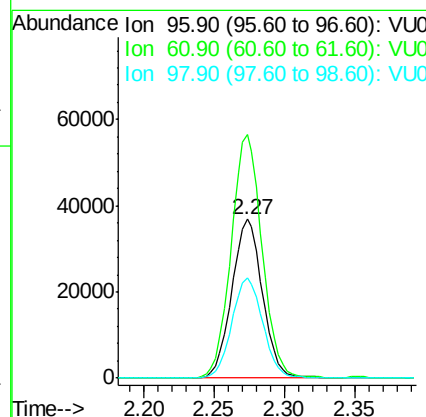
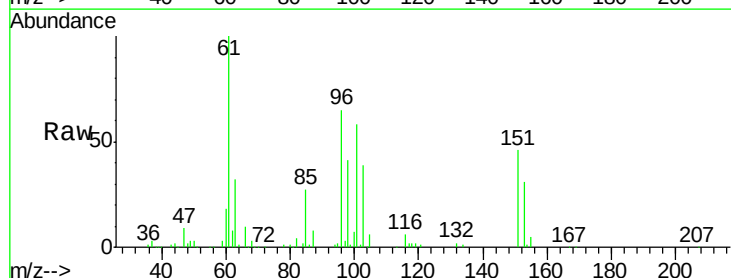
MMDadoda
 9/11/2019 1:42:34 PM

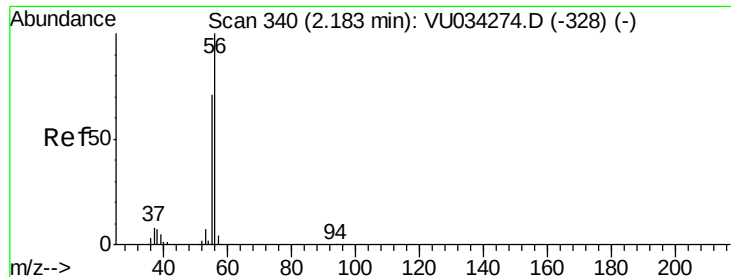


#12

1,1-Dichloroethene
 Concen: 20.354 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	130.0	195.0
98	62.8	52.2	78.4





#13

Acrolein

Concen: 66.795 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion: 56 Resp: 45511

Ion Ratio Lower Upper

56 100

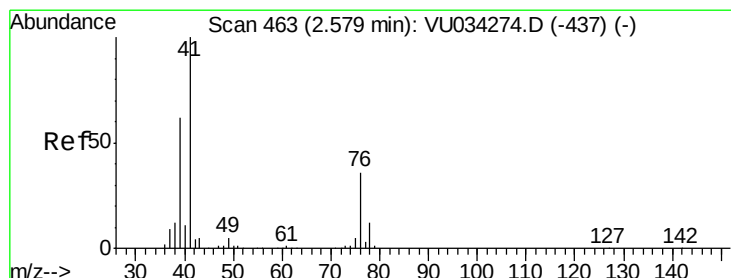
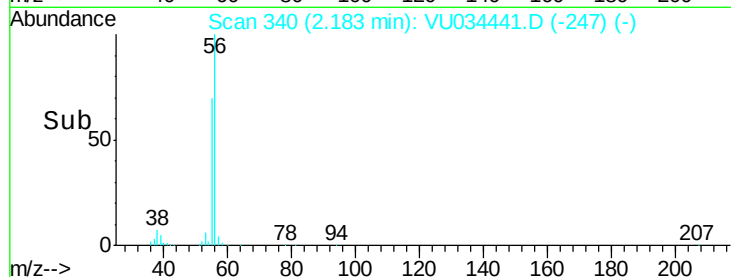
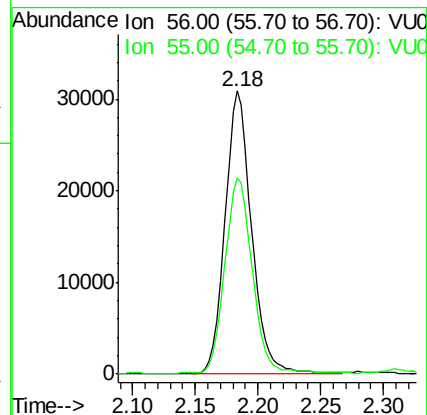
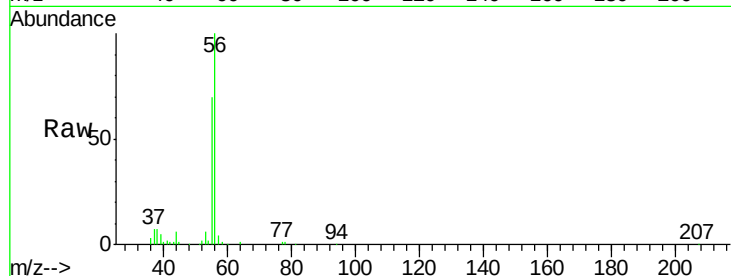
55 72.0 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.496 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

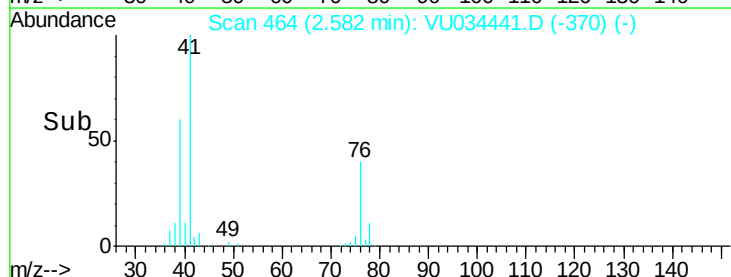
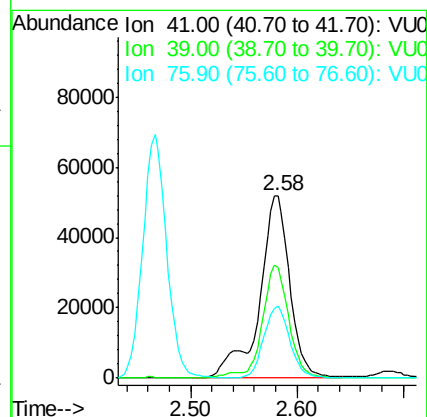
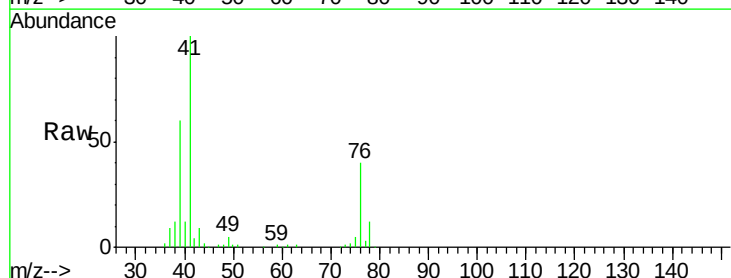
Tgt Ion: 41 Resp: 102844

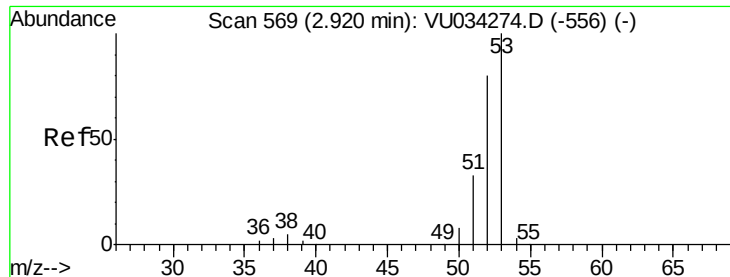
Ion Ratio Lower Upper

41 100

39 52.2 43.5 65.3

76 33.6 27.0 40.6





#15

Acrylonitrile

Concen: 104.495 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

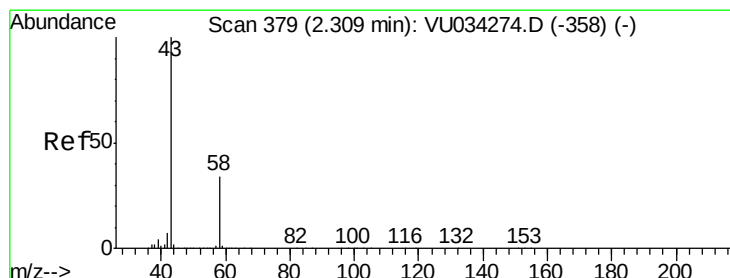
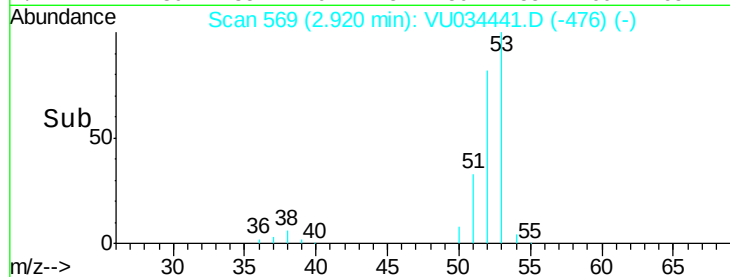
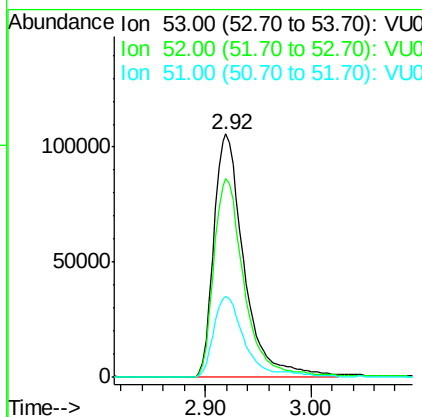
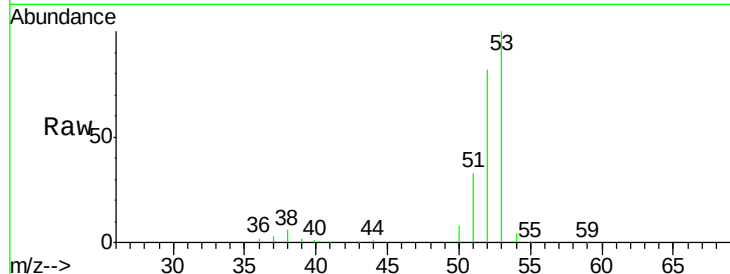
ClientSampled :

VU0910WBS01

Tot Ion:	53	Resp:	210950
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.1	96.1
51	34.9	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 92.946 ug/l

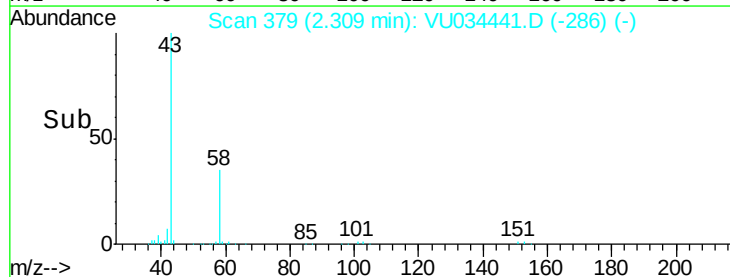
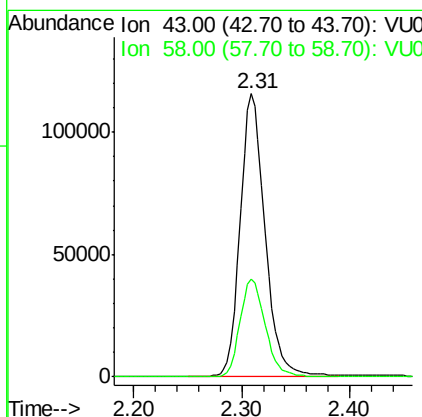
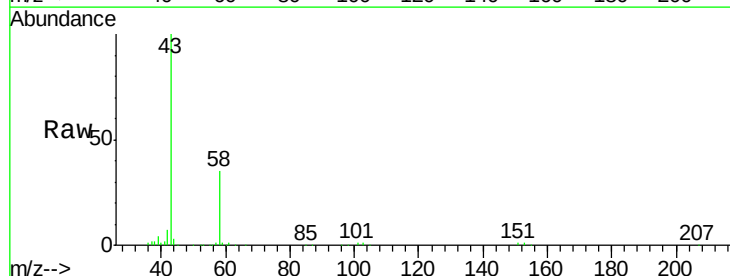
RT: 2.31 min Scan# 379

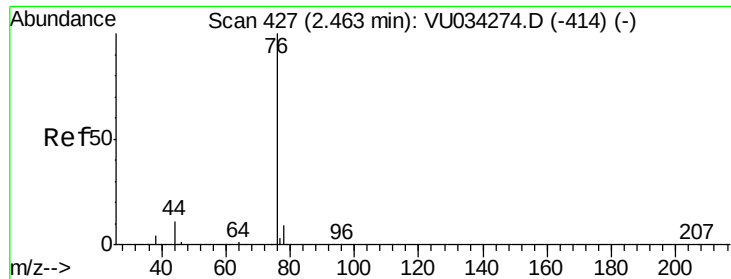
Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion:	43	Resp:	184567
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.6	41.4





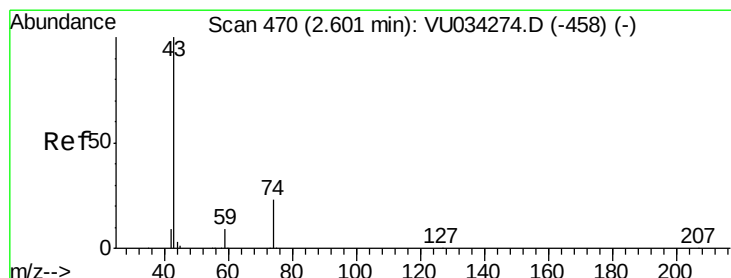
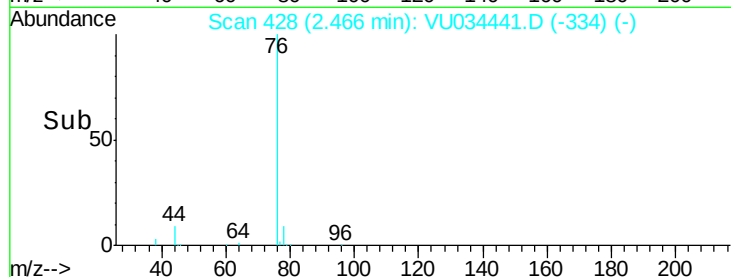
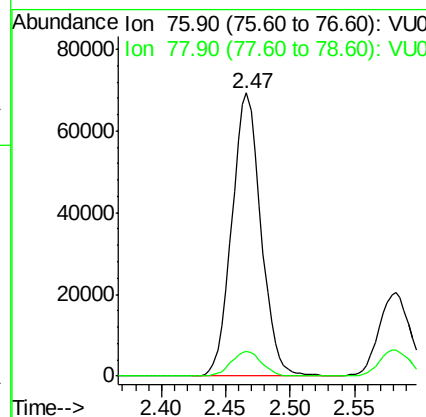
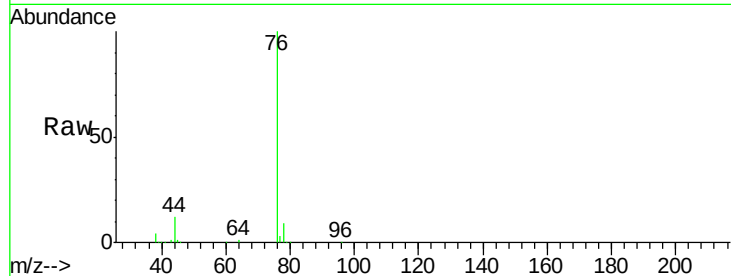
#17
Carbon Disulfide
Concen: 17.545 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

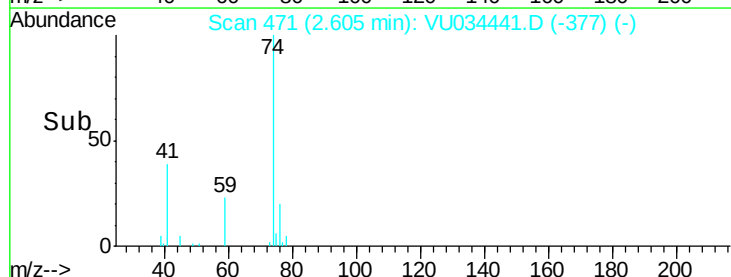
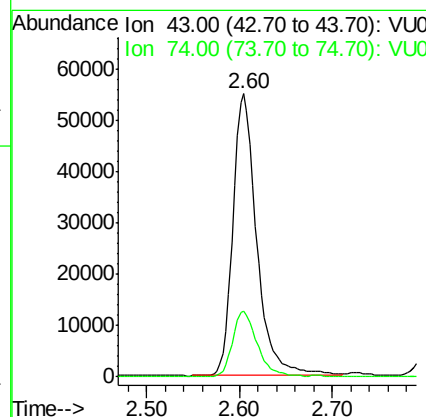
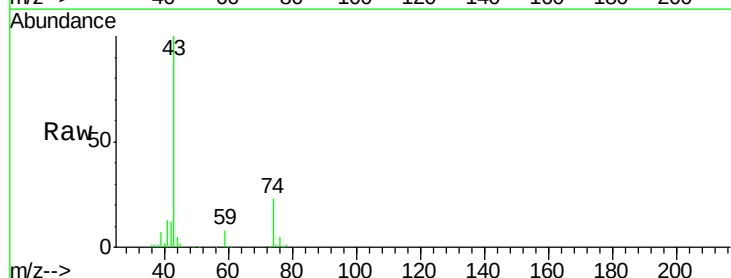
Manual Integrations
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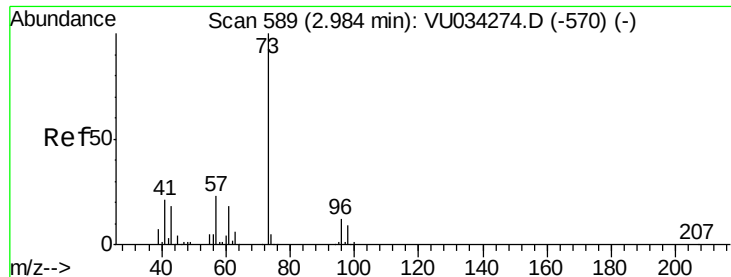
MMDadoda
9/11/2019 1:42:34 PM



#18
Methyl Acetate
Concen: 20.347 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.9	28.3





#19

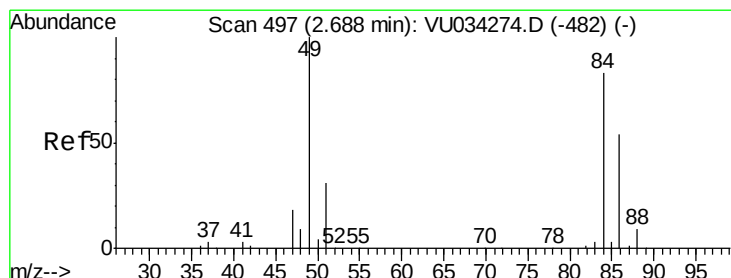
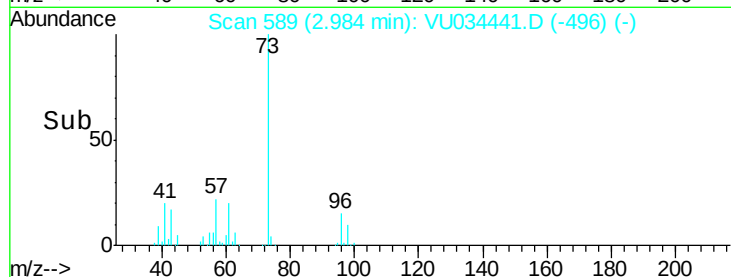
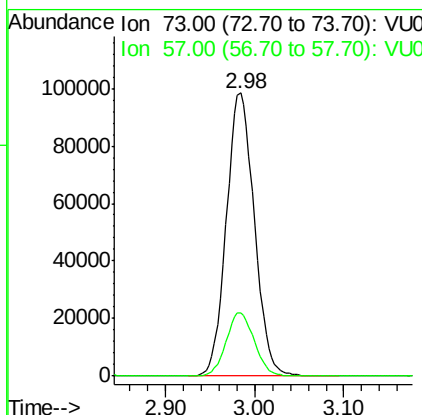
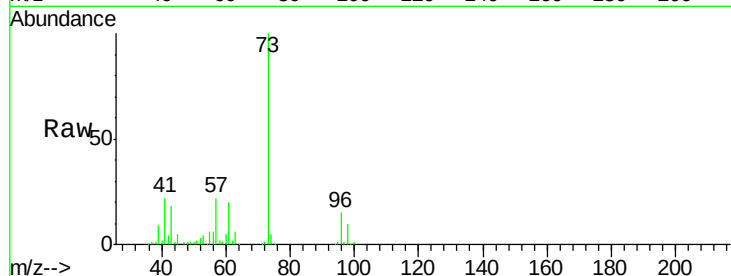
Methyl tert-butyl Ether
 Concen: 21.278 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion: 73 Resp: 214002
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.2 27.4

Manual Integrations
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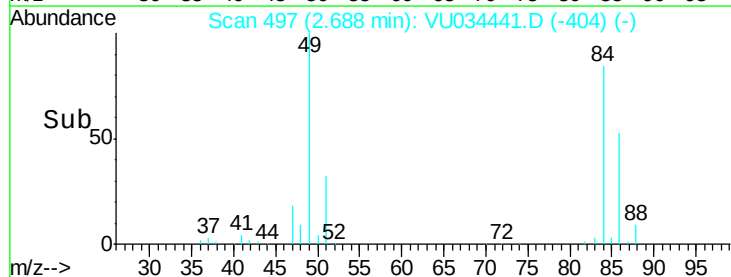
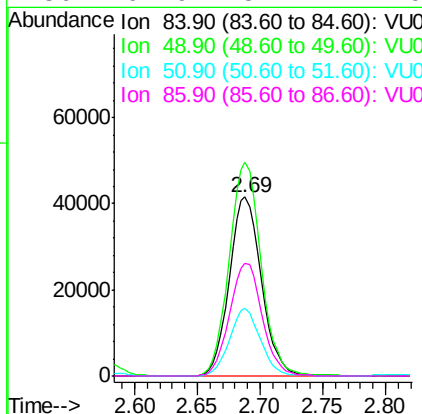
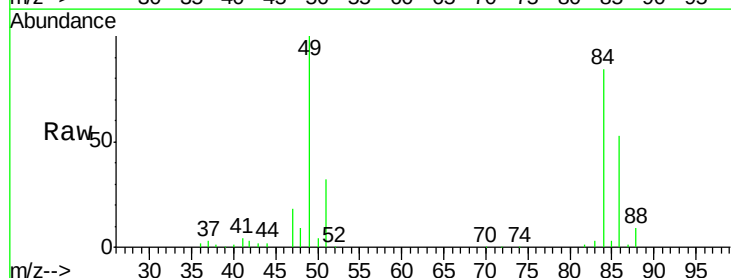
MMDadoda
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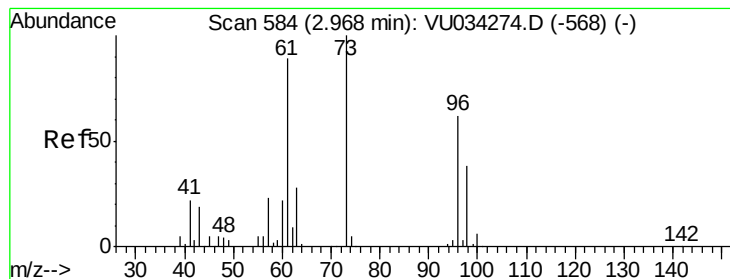


#20

Methylene Chloride
 Concen: 22.529 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion: 84 Resp: 73989
 Ion Ratio Lower Upper
 84 100
 49 119.3 96.0 144.0
 51 37.6 30.0 45.0
 86 62.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.300 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion: 96 Resp: 59029

Ion Ratio Lower Upper

96 100

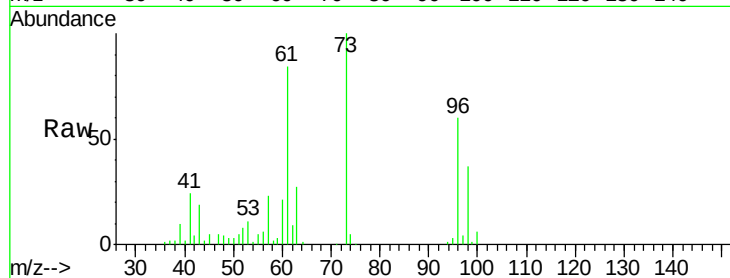
61 139.9 114.8 172.2

98 61.8 49.8 74.8

Manual Integrations
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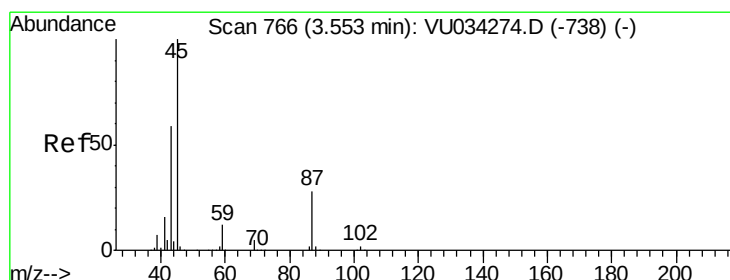
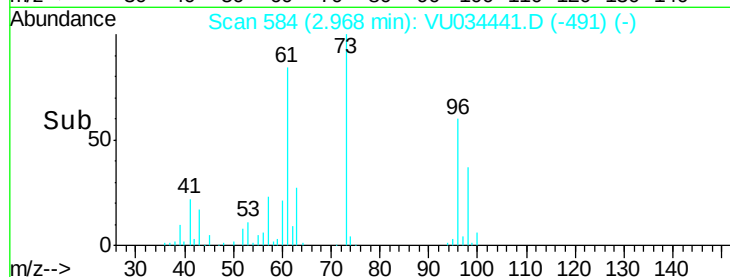
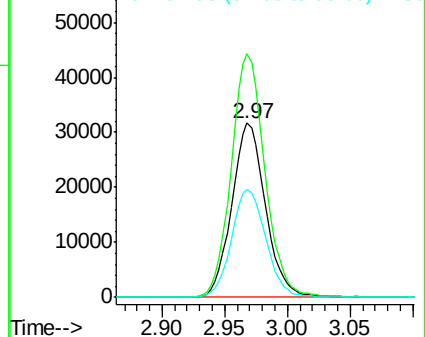


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.734 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion: 45 Resp: 223588

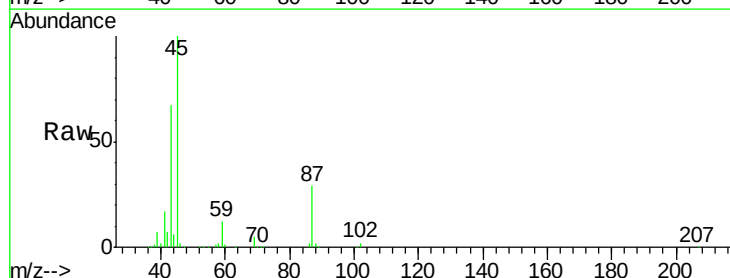
Ion Ratio Lower Upper

45 100

43 66.1 47.5 71.3

87 29.0 22.2 33.4

59 12.1 9.4 14.2



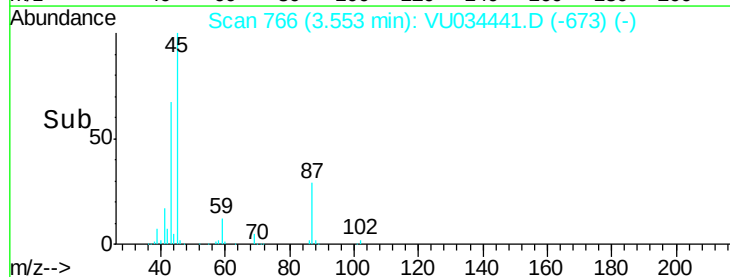
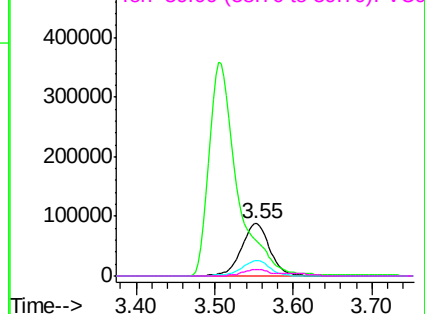
Abundance

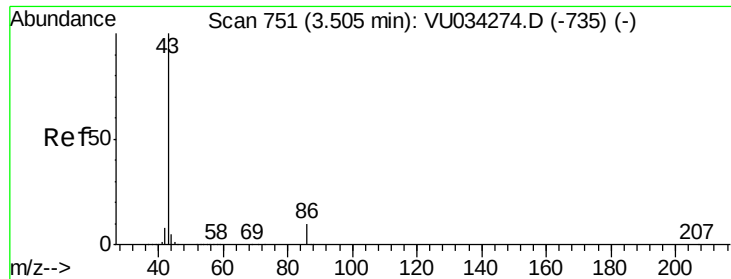
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





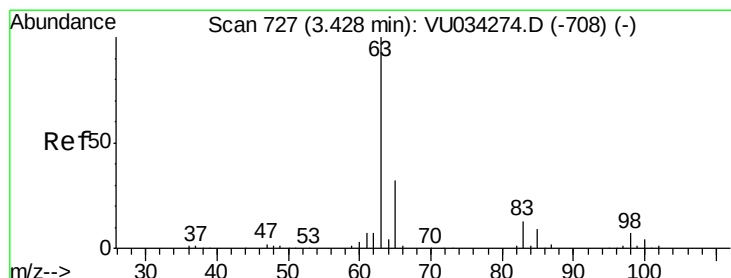
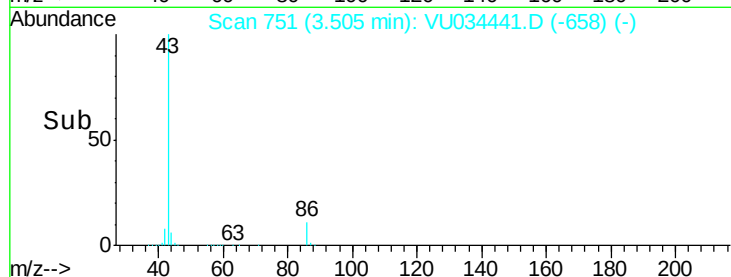
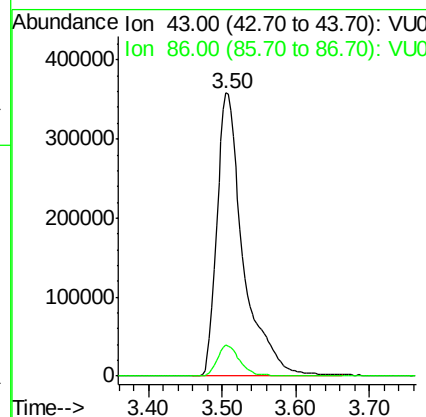
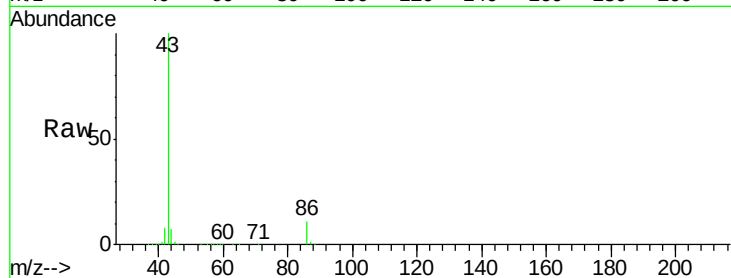
#23
 Vinyl Acetate
 Concen: 105.988 ug/l
 RT: 3.50 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion	43	Resp	888160
Ion Ratio	100	Lower	Upper
43	100		
86	10.8	8.3	12.5

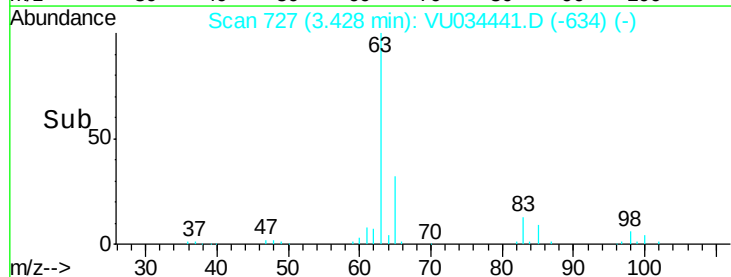
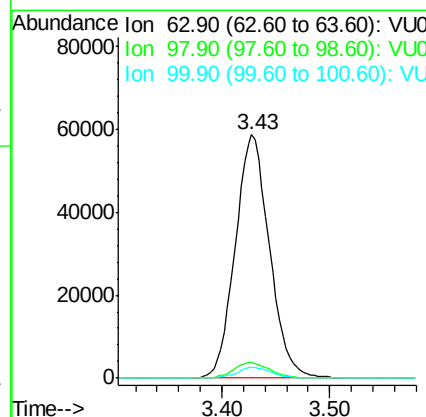
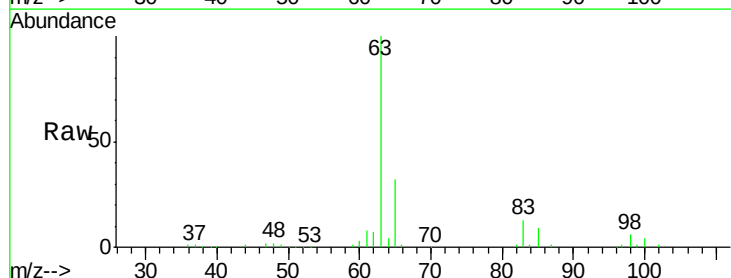
Manual Integrations
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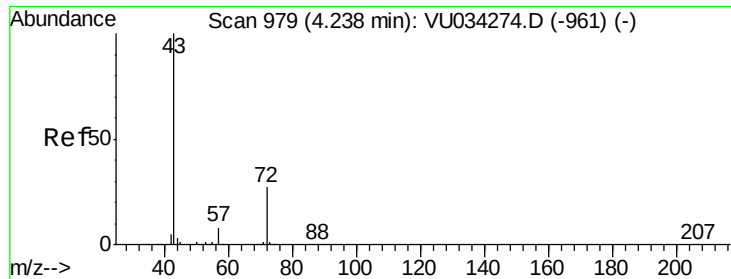
MMDadoda
 9/11/2019 1:42:34 PM



#24
 1,1-Dichloroethane
 Concen: 21.118 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	63	Resp	129744
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	3.5	10.4
100	4.3	2.1	6.5





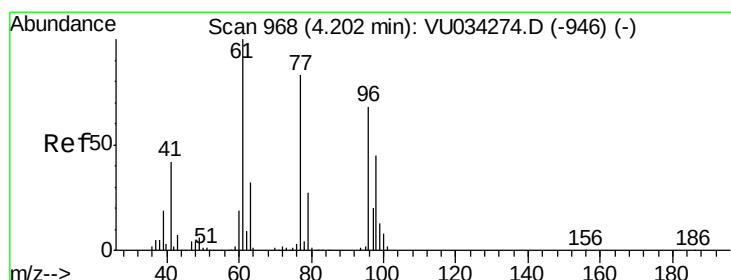
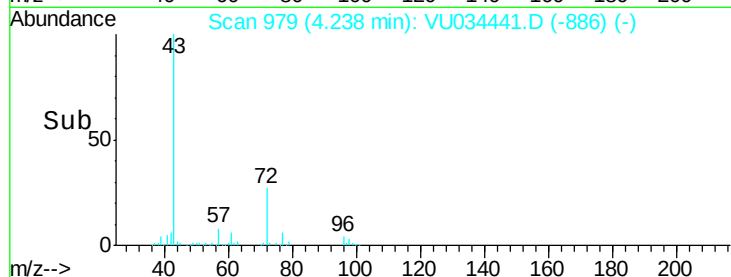
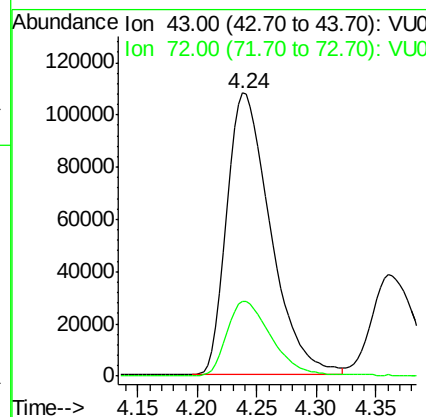
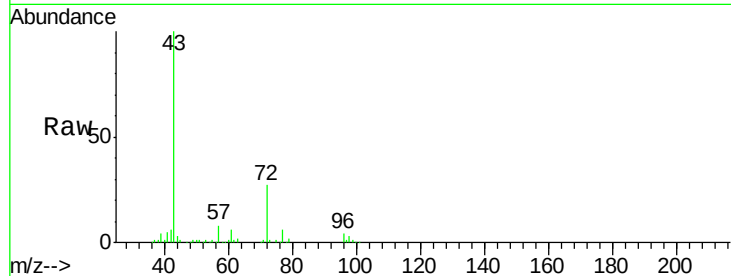
#25
2-Butanone
Concen: 103.404 ug/l
RT: 4.24 min Scan# 979
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.8	32.6

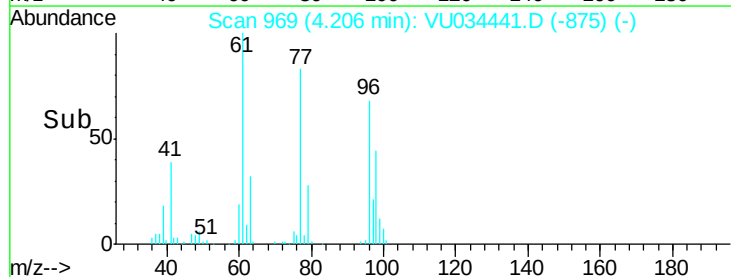
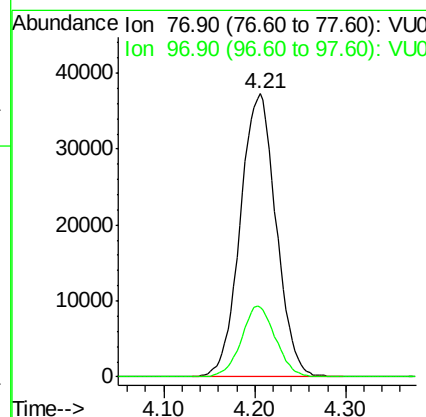
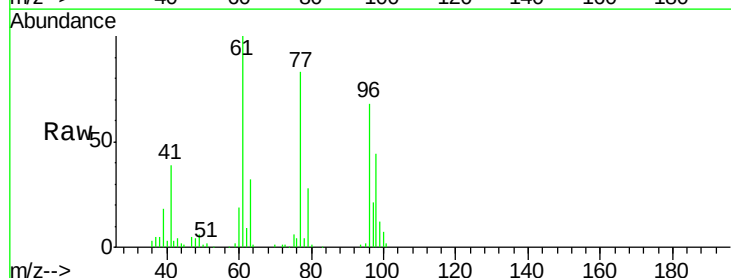
Manual Integrations
APPROVED

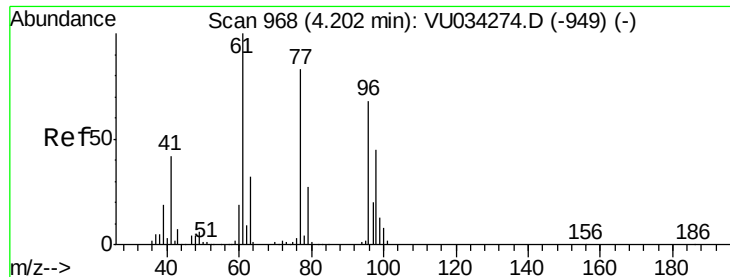
MMDadoda
9/11/2019 1:42:34 PM



#26
2,2-Dichloropropane
Concen: 20.620 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.8	11.8	35.3





#27

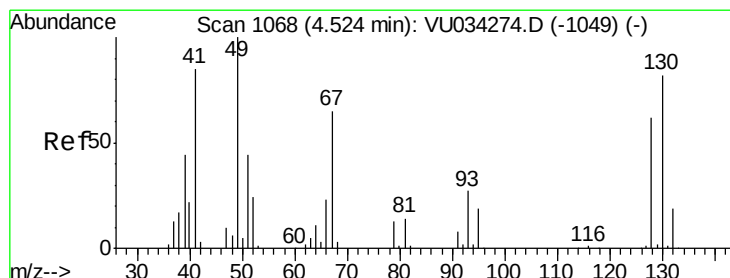
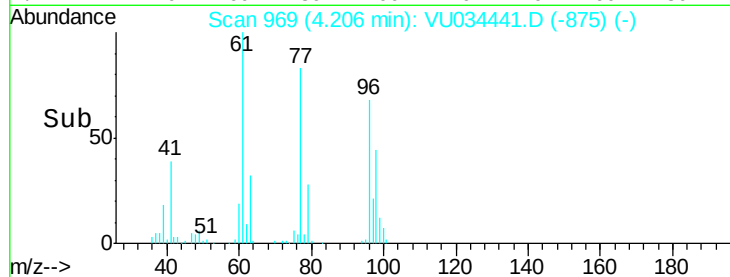
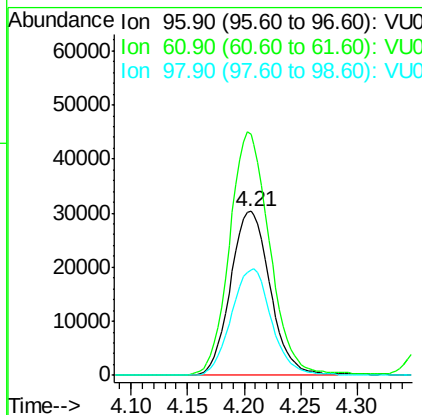
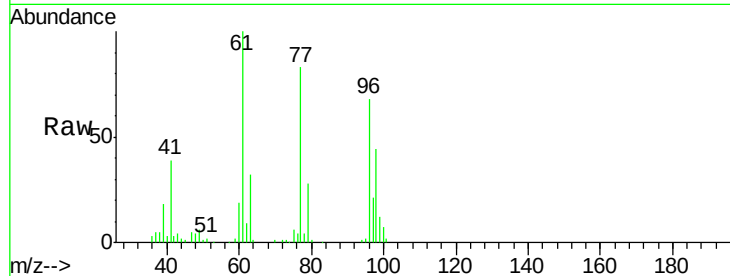
cis-1,2-Dichloroethene
 Concen: 20.980 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	297.4
98	65.7	0.0	130.0

Manual Integrations
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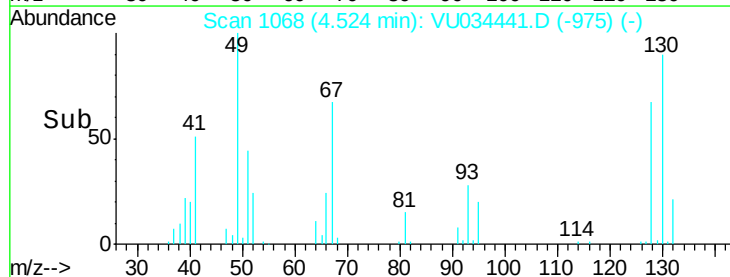
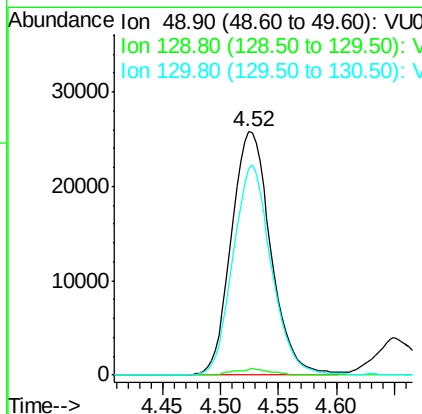
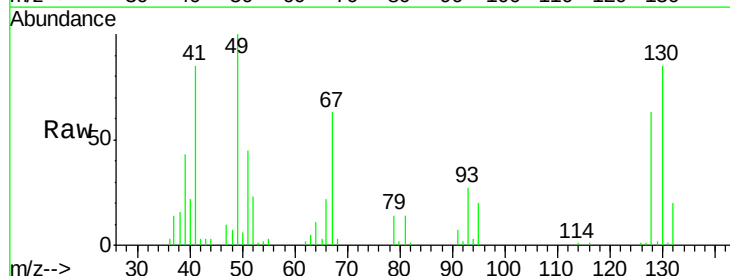
MMDadoda
 9/11/2019 1:42:34 PM

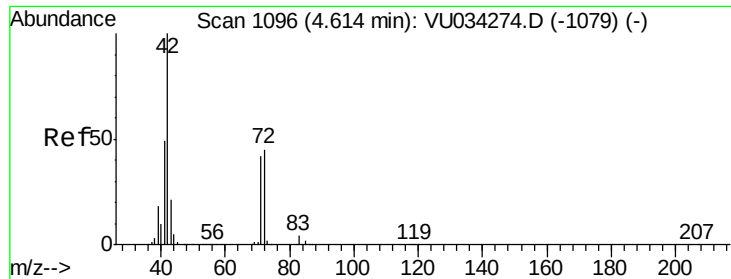


#28

Bromochloromethane
 Concen: 21.569 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	83.8	65.2	97.8





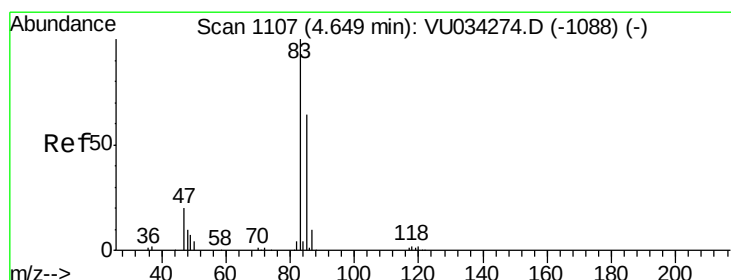
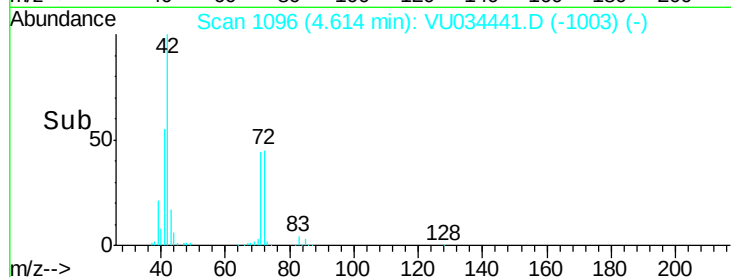
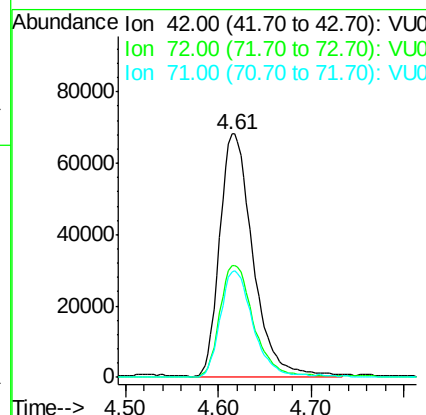
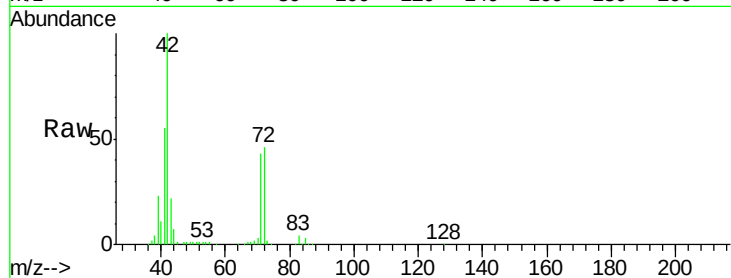
#29
Tetrahydrofuran
Concen: 104.758 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.6	54.8
71	43.2	34.3	51.5

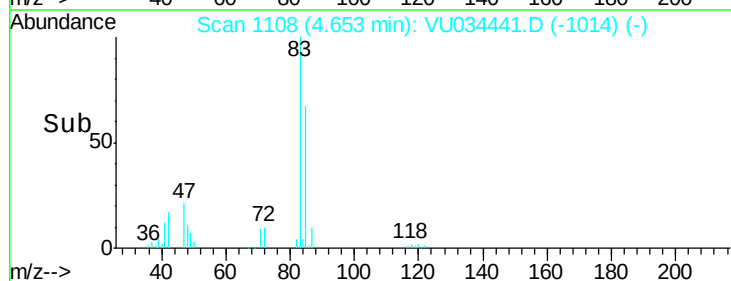
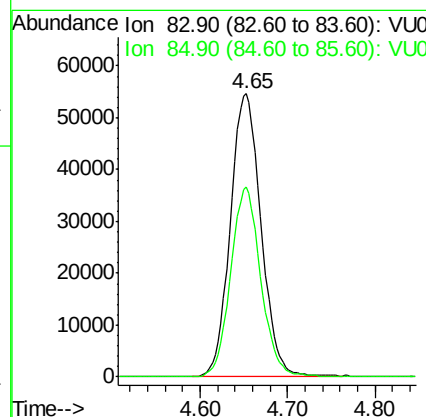
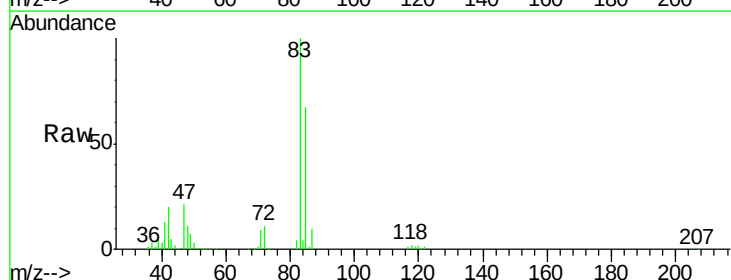
Manual Integrations
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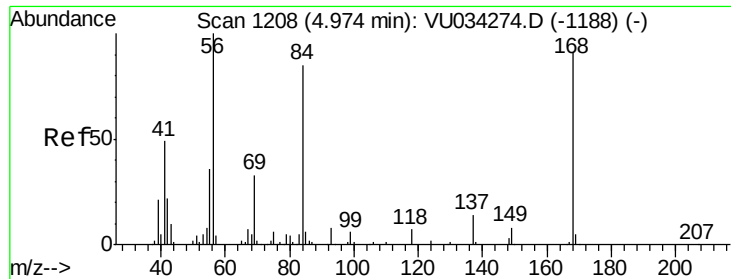
MMDadoda
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#30
Chloroform
Concen: 21.338 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.5	77.3





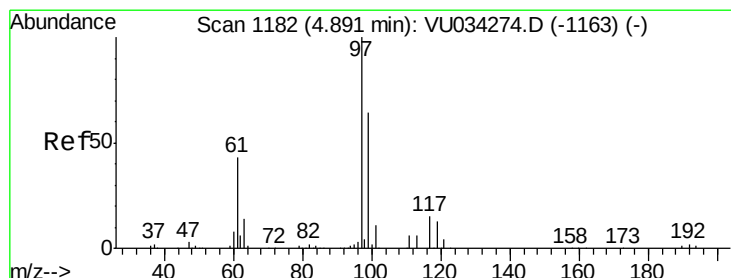
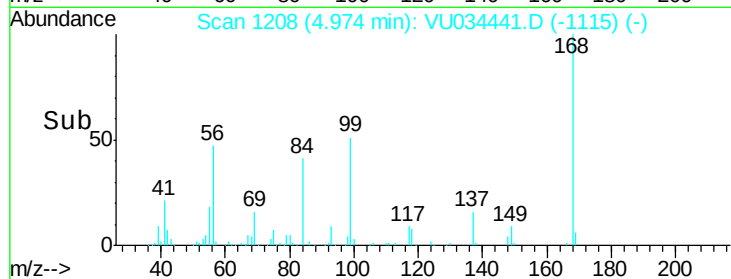
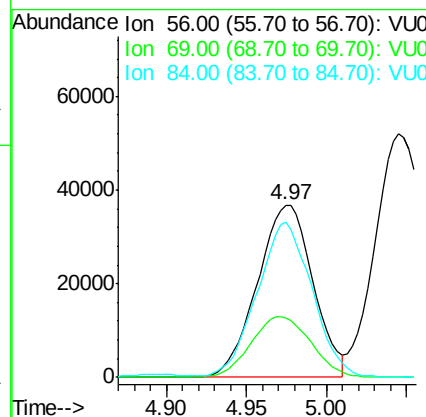
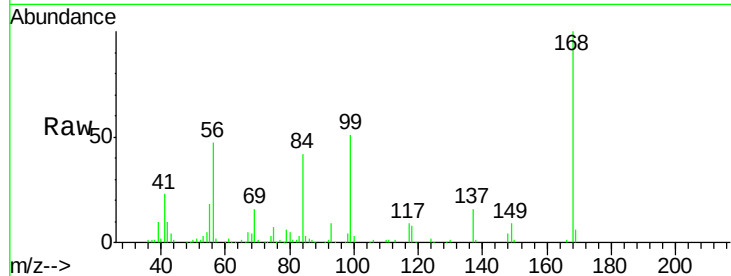
#31
Cyclohexane
Concen: 19.690 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.7	40.1
84	89.1	68.2	102.4

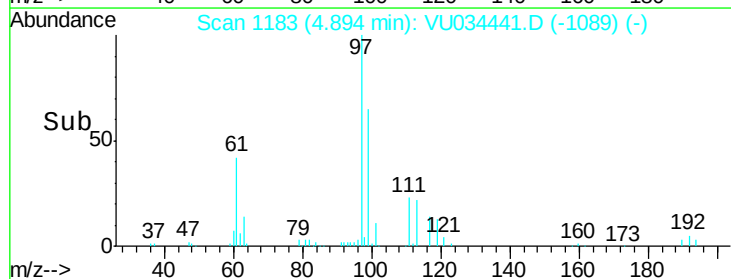
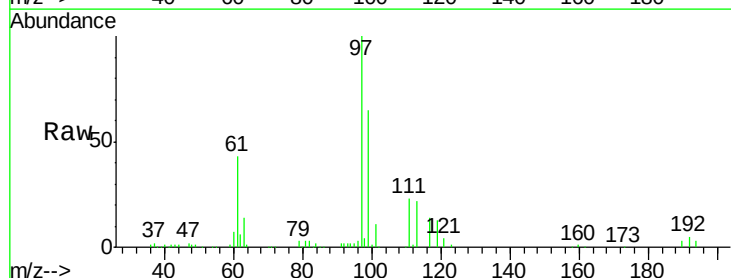
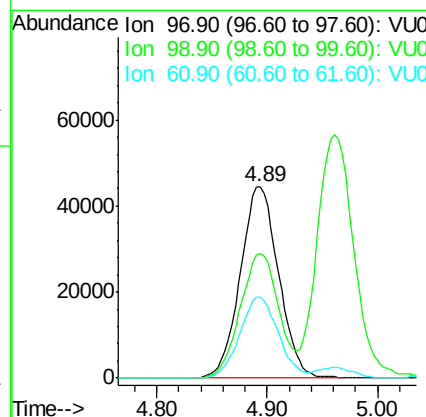
Manual Integrations
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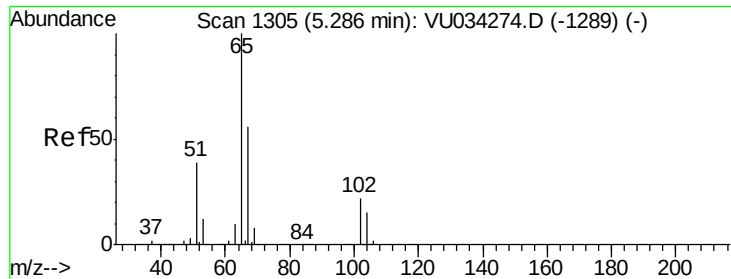
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.407 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	50.9	76.3
61	42.7	34.7	52.1





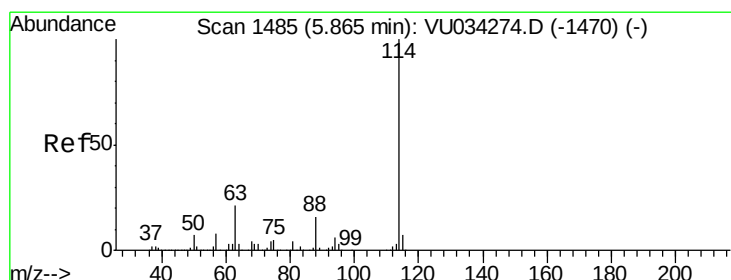
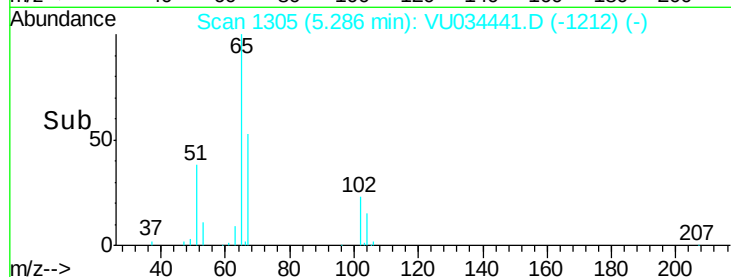
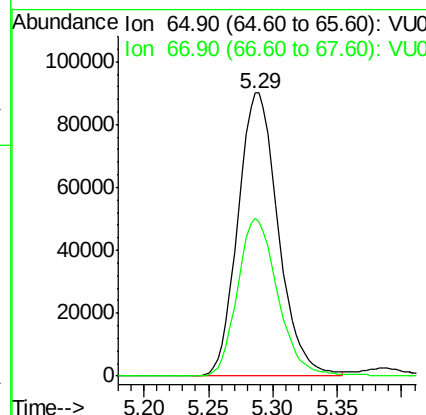
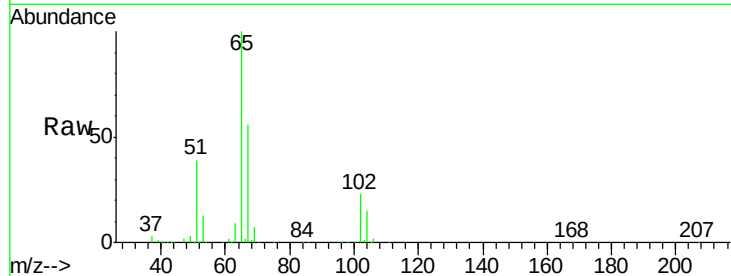
#33
 1,2-Dichloroethane-d4
 Concen: 51.019 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195773		
67	55.8	0.0	112.4	

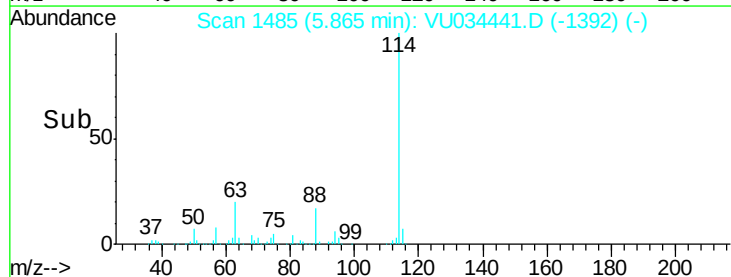
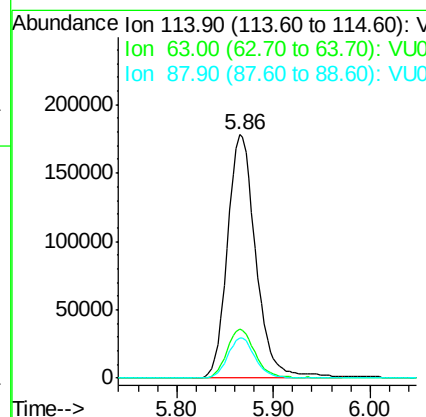
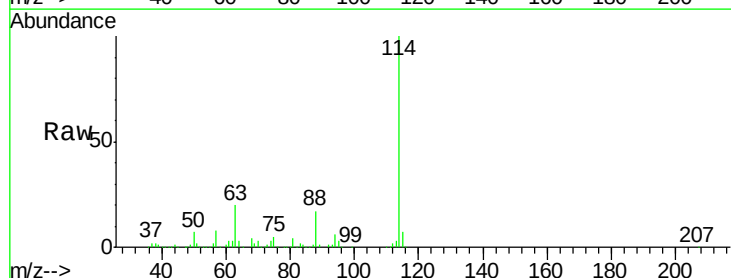
Manual Integrations
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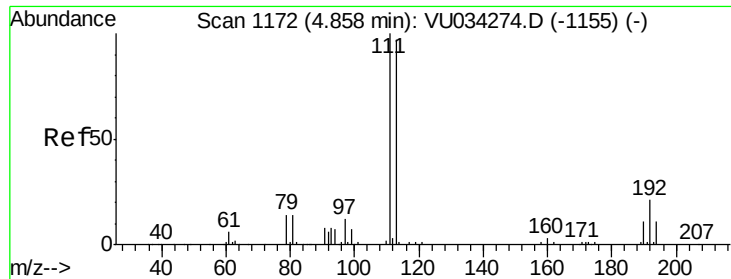
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	363607		
63	20.0	0.0	42.4	
88	16.7	0.0	32.4	





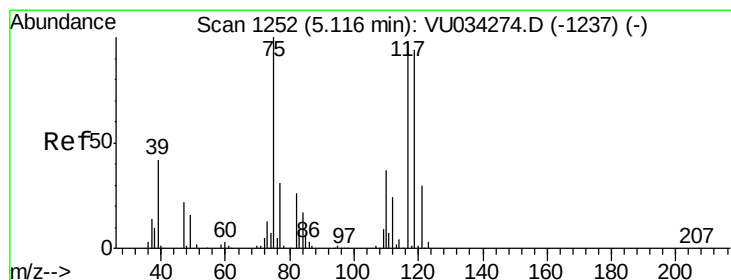
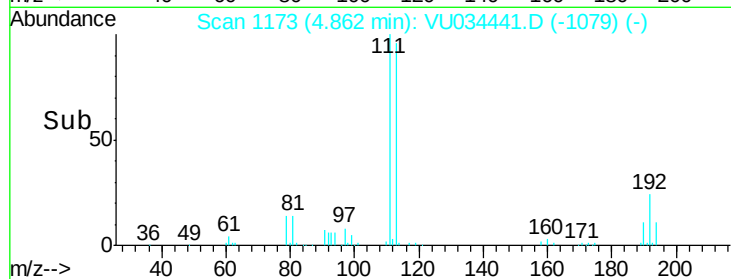
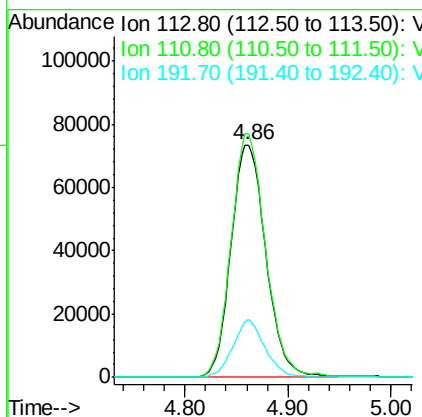
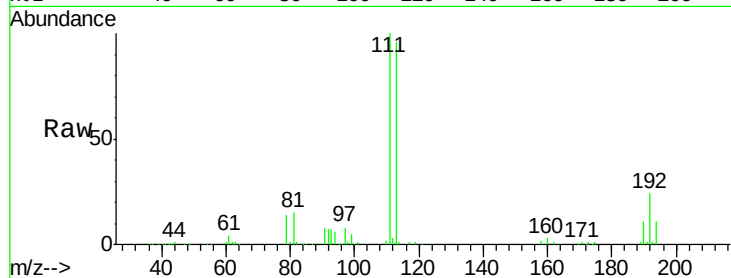
#35
 Dibromofluoromethane
 Concen: 51.238 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173356		
111	104.0	81.5	122.3	
192	22.6	17.8	26.8	

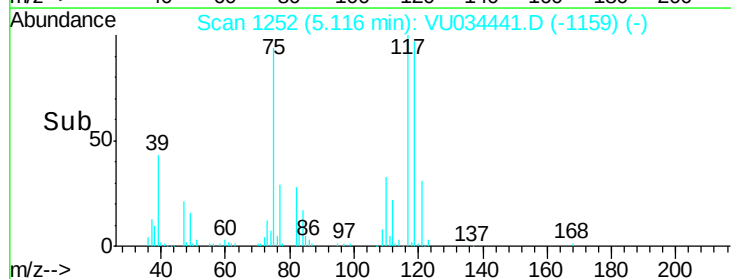
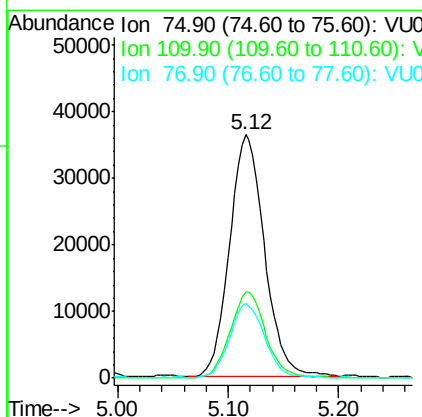
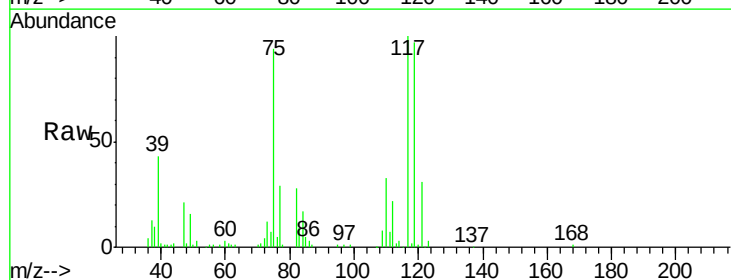
Manual Integrations
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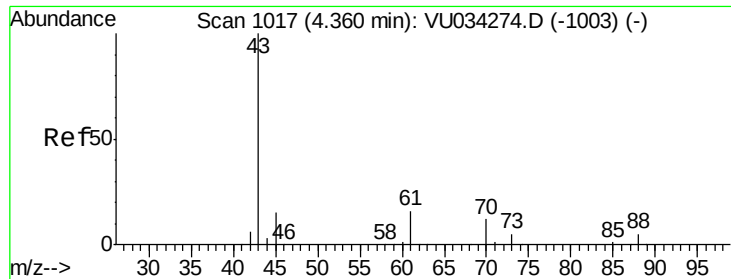
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 9/11/2019 1:42:34 PM



#36
 1,1-Dichloropropene
 Concen: 20.164 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79512		
110	36.3	18.3	54.9	
77	31.5	24.9	37.3	





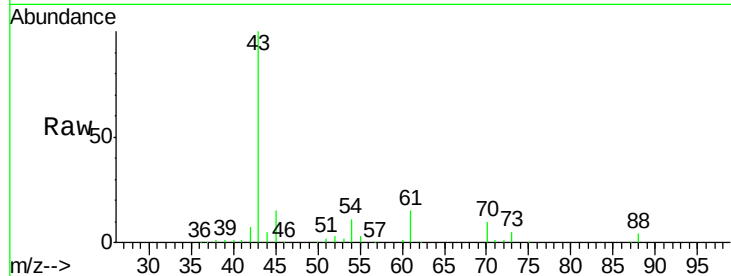
#37
Ethyl Acetate
Concen: 21.381 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampled :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.3	18.5
70	10.7	9.1	13.7

Manual Integrations
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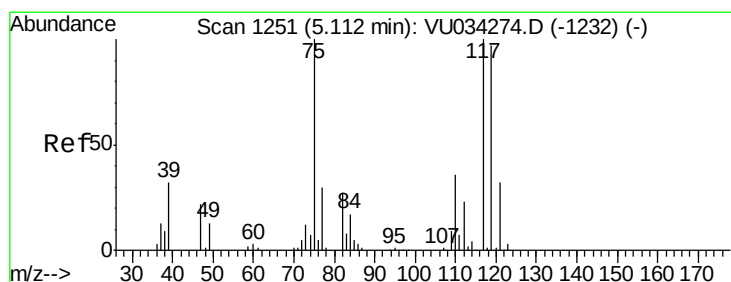
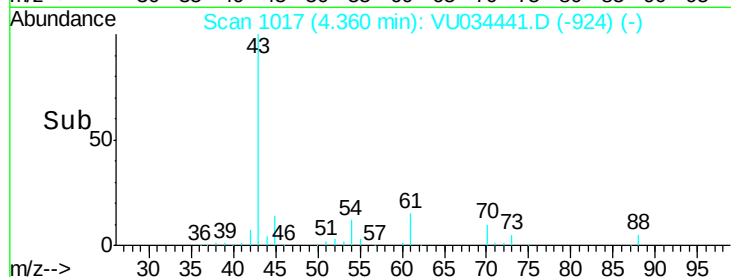
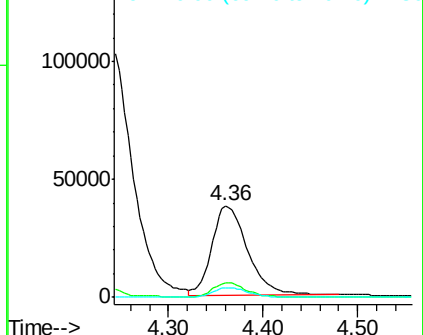
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VU034441.D (-924) (-)

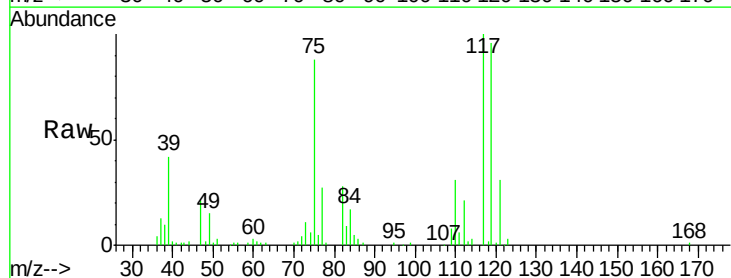
Ion 60.90 (60.60 to 61.60): VU034441.D (-924) (-)

Ion 70.00 (69.70 to 70.70): VU034441.D (-924) (-)



#38
Carbon Tetrachloride
Concen: 21.718 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

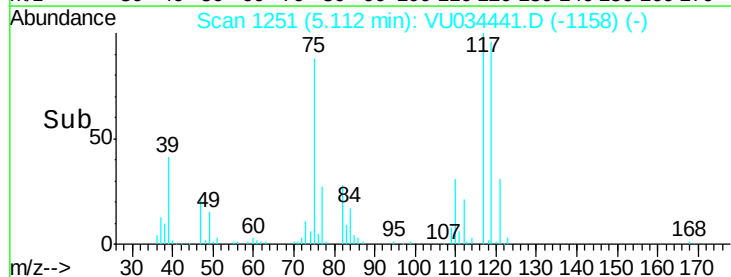
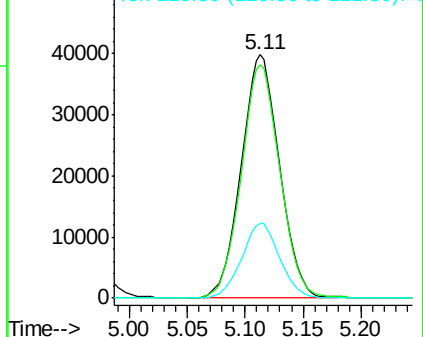
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.8	116.6
121	30.6	25.2	37.8

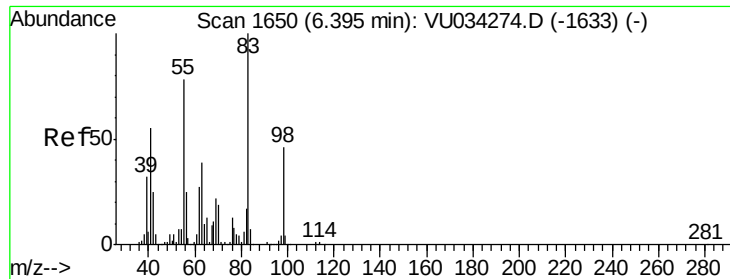


Abundance Ion 116.80 (116.50 to 117.50): VU034441.D (-1158) (-)

Ion 118.80 (118.50 to 119.50): VU034441.D (-1158) (-)

Ion 120.80 (120.50 to 121.50): VU034441.D (-1158) (-)





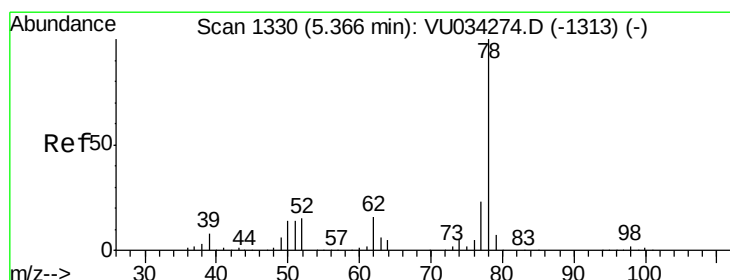
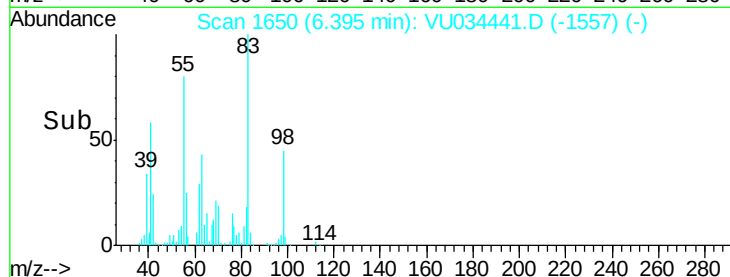
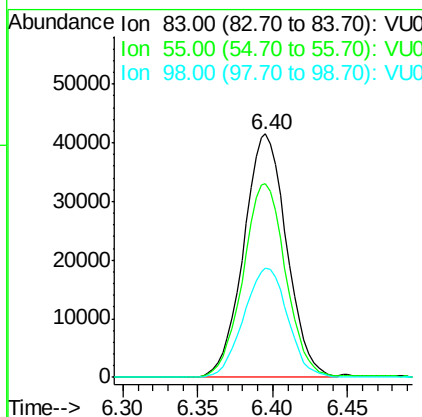
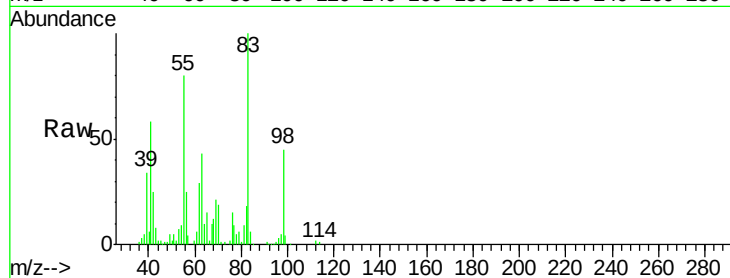
#39
Methylvlcyclohexane
Concen: 19.709 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	62.1	93.1
98	45.1	37.0	55.6

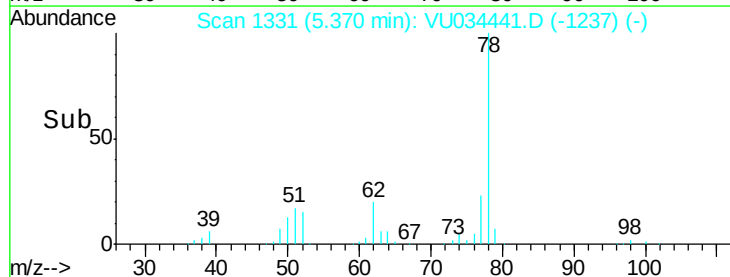
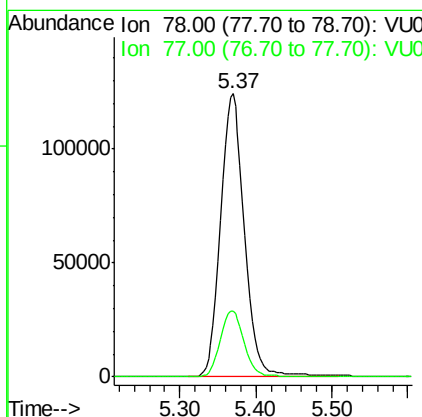
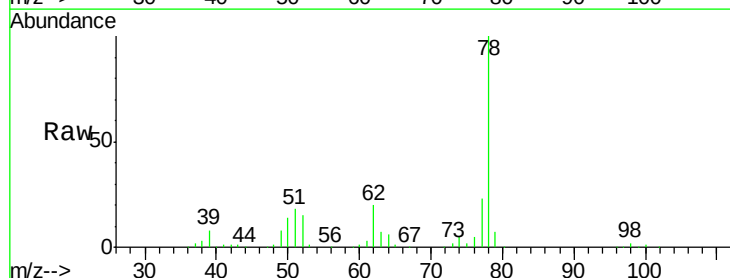
Manual Integrations
APPROVED

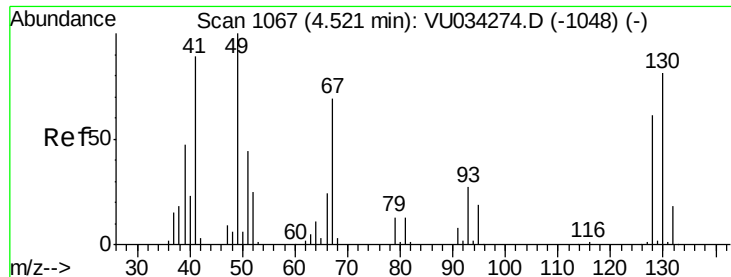
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#40
Benzene
Concen: 21.325 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





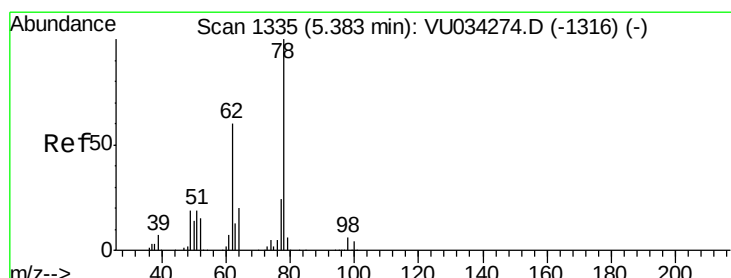
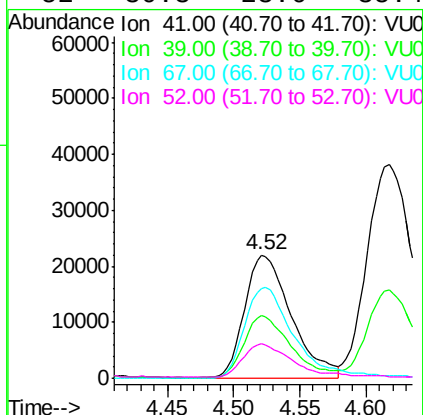
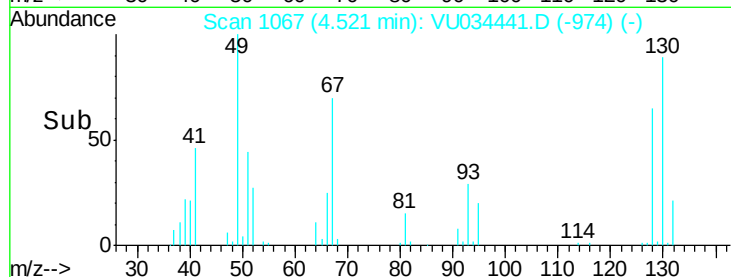
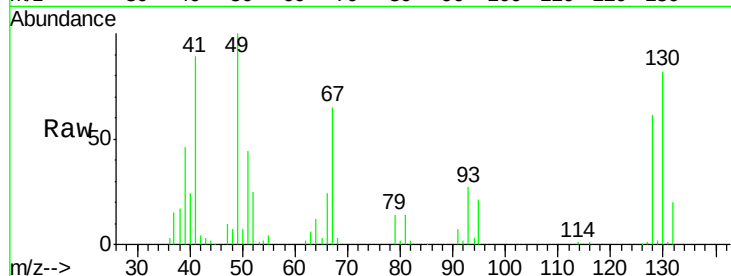
#41
Methacrylonitrile
Concen: 21.809 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.1	41.0	61.4		
67	78.8	62.4	93.6		
52	30.3	23.6	35.4		

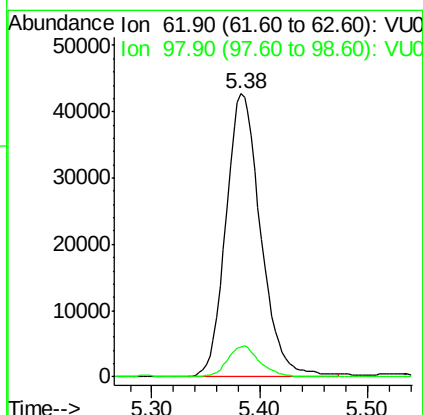
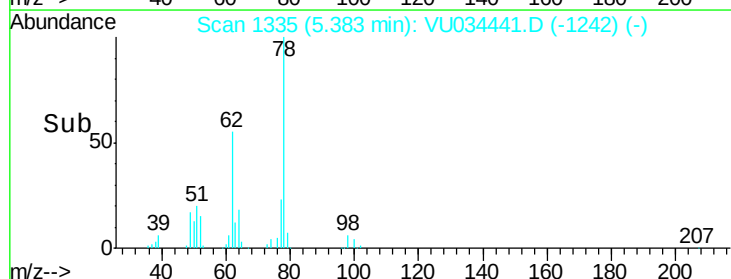
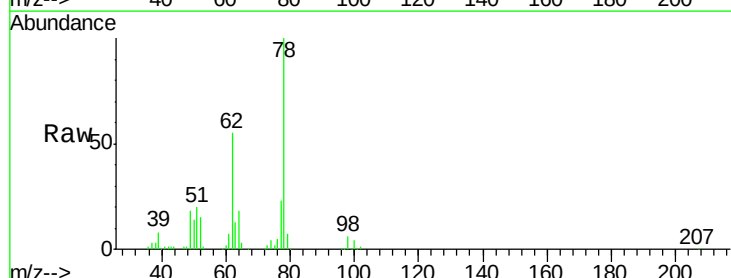
Manual Integrations
APPROVED

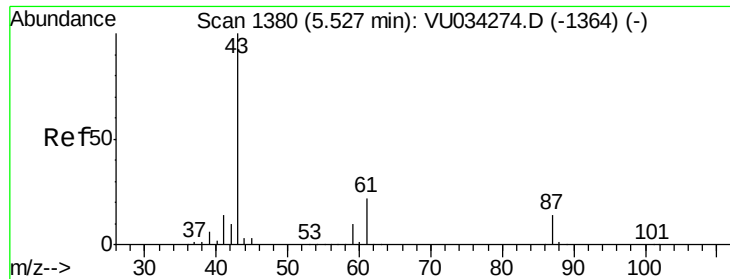
MMDadoda
9/11/2019 1:42:34 PM



#42
1,2-Dichloroethane
Concen: 21.771 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.1	0.0	20.0		





#43

Isopropyl Acetate

Concen: 20.770 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

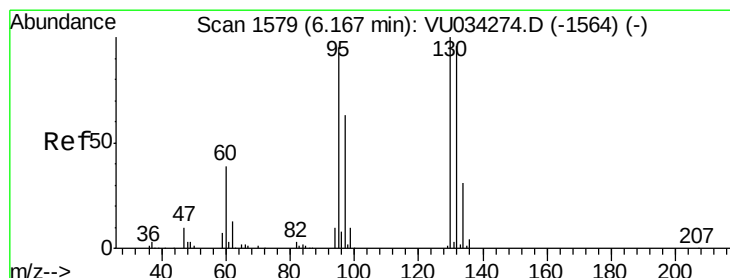
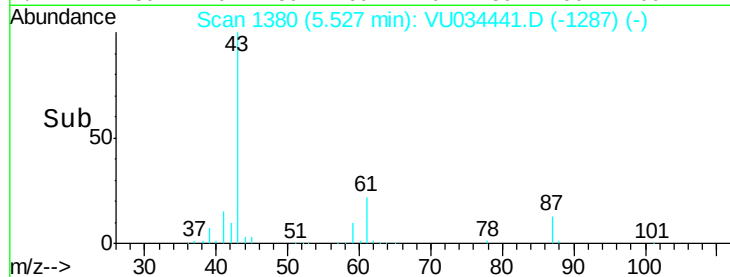
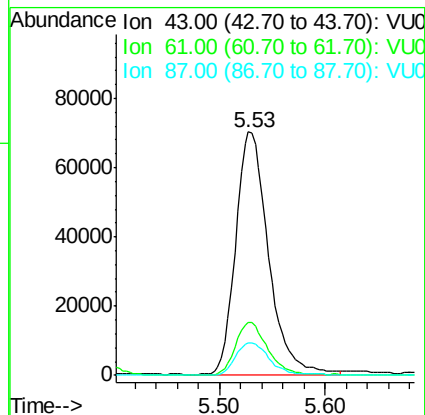
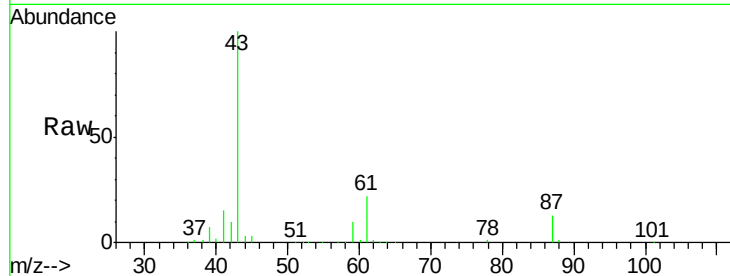
ClientSampleId :

VU0910WBS01

Tot Ion:	43	Resp:	151064
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.1	25.7
87	13.6	11.1	16.7

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#44

Trichloroethene

Concen: 20.852 ug/l

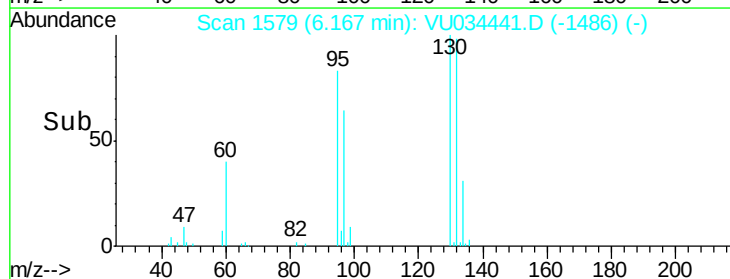
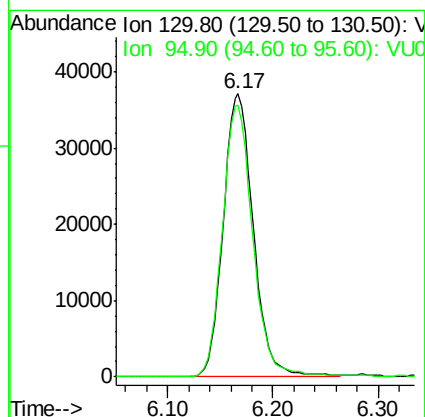
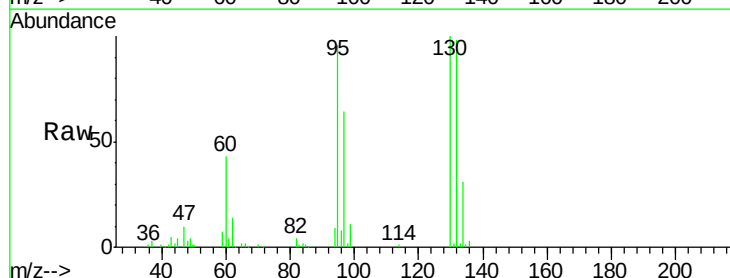
RT: 6.17 min Scan# 1579

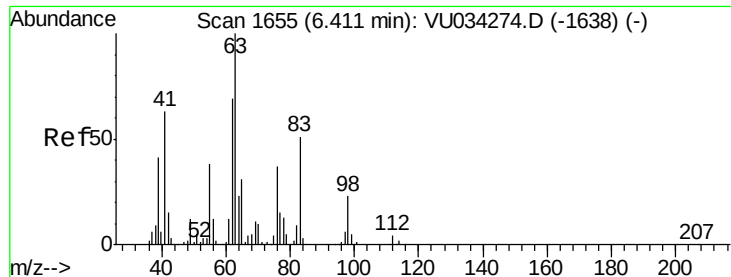
Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion:	130	Resp:	73421
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	189.2





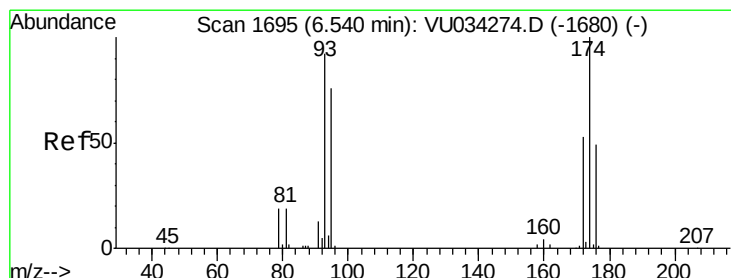
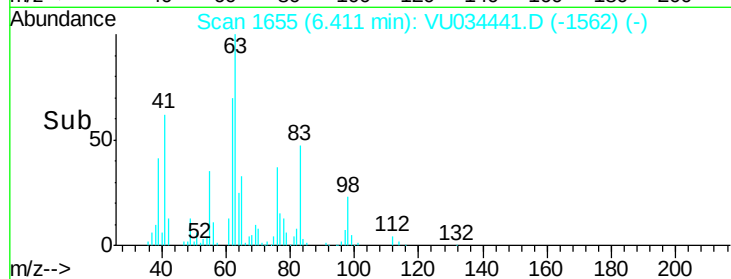
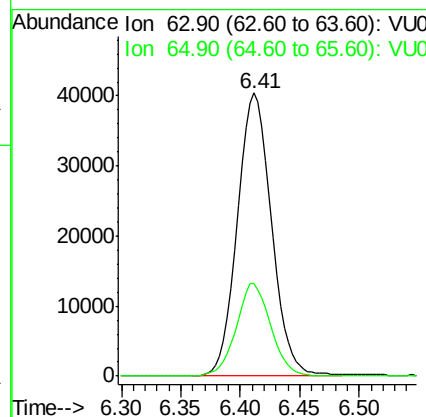
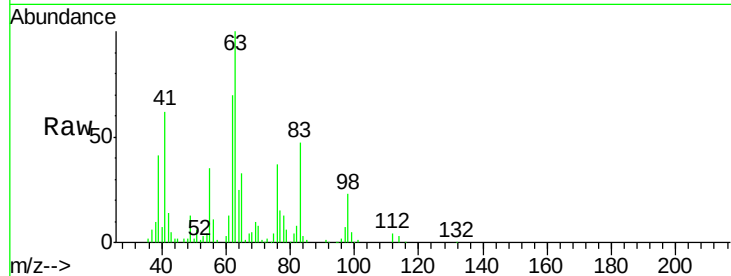
#45
 1,2-Dichloropropane
 Concen: 21.677 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion: 63 Resp: 80636
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.6 37.0

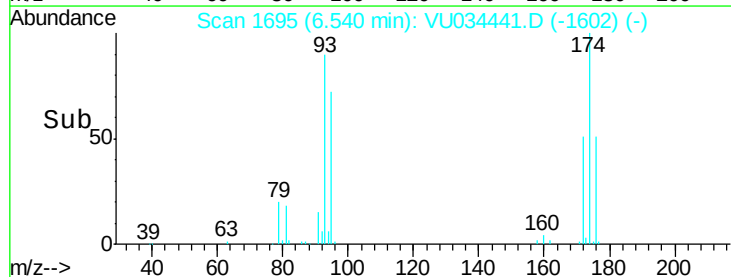
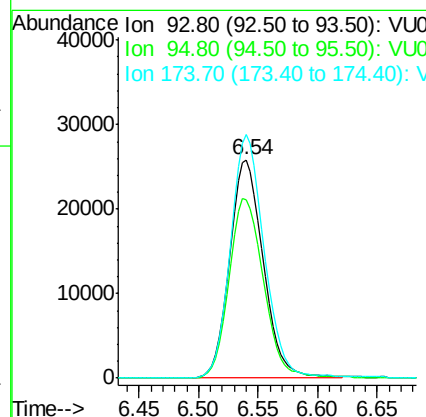
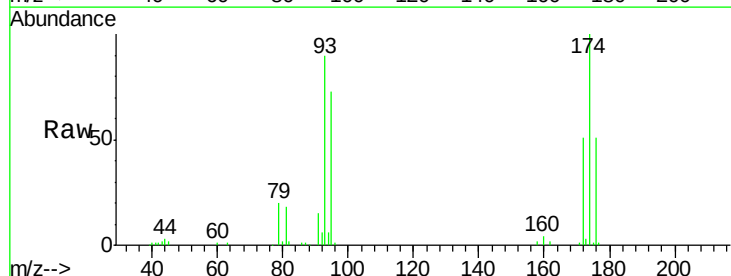
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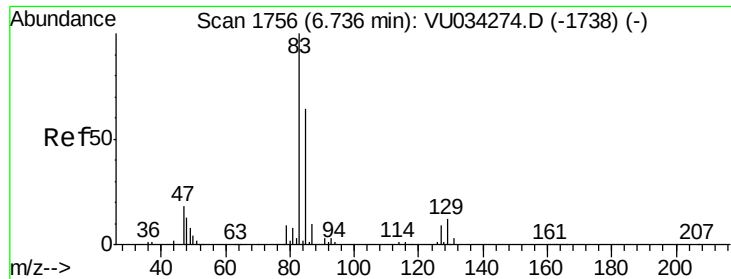
MMDadoda
 9/11/2019 1:42:34 PM



#46
 Dibromomethane
 Concen: 21.723 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion: 93 Resp: 50723
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.5 99.7
 174 111.4 87.8 131.6





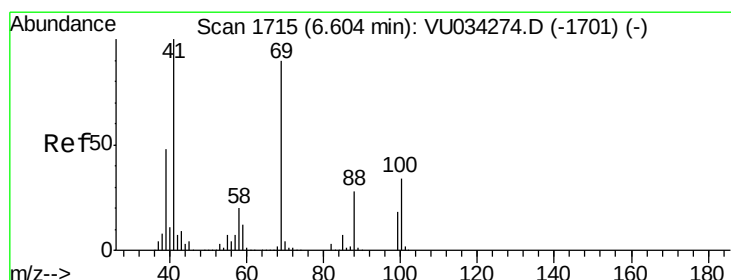
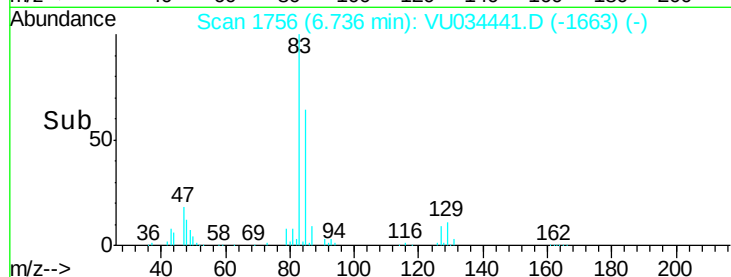
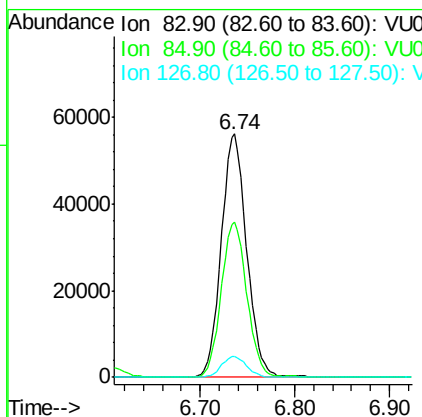
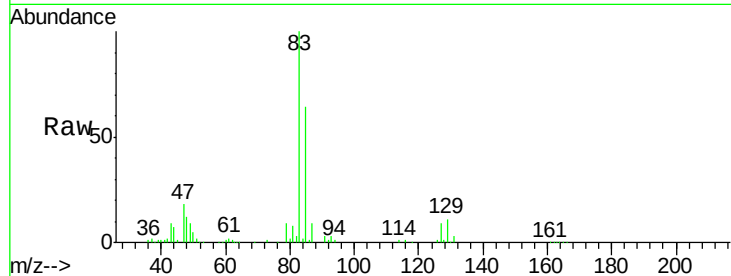
#47
Bromodichloromethane
Concen: 21.823 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	104888		
85	63.6		51.1	76.7
127	8.5		7.2	10.8

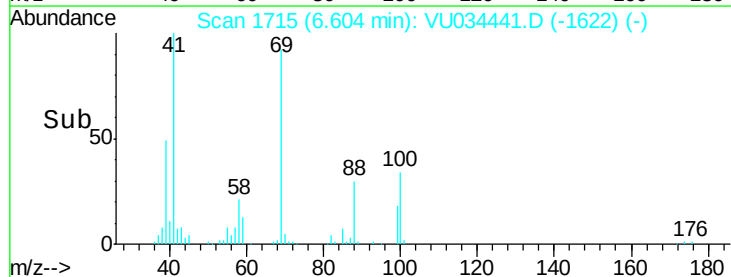
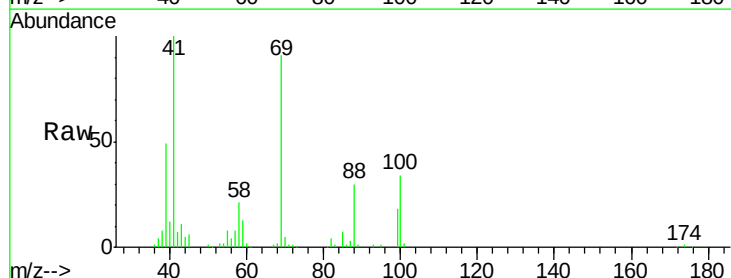
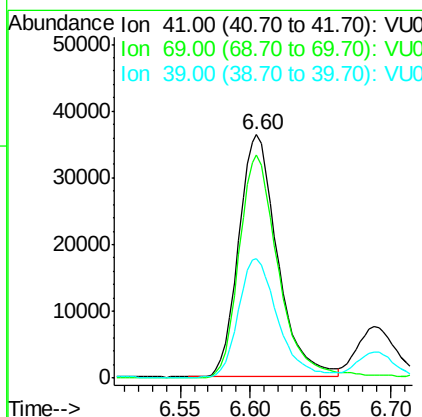
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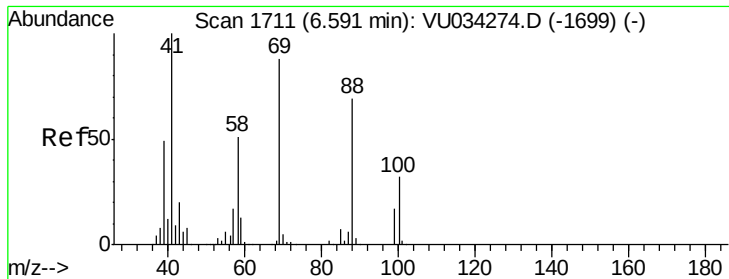
MMDadoda
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#48
Methyl methacrylate
Concen: 20.273 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	70031		
69	93.1		72.8	109.2
39	49.2		38.6	58.0





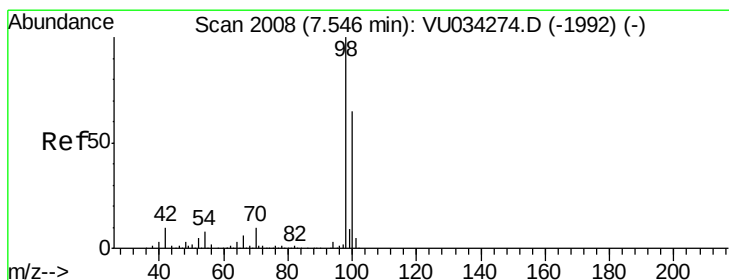
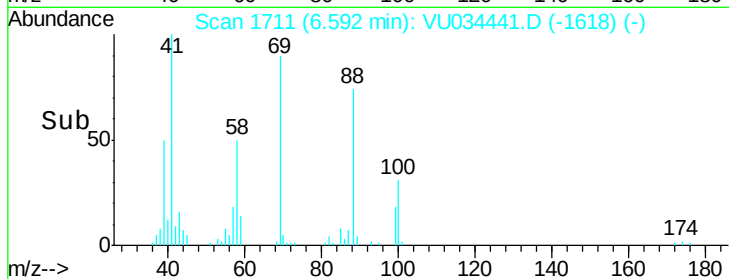
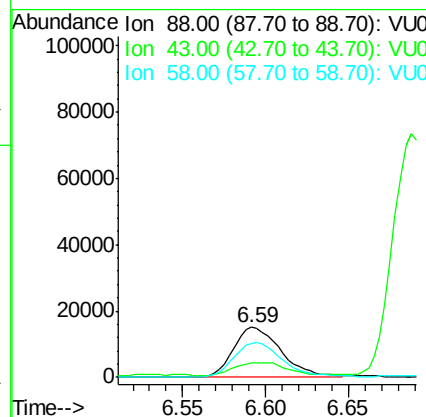
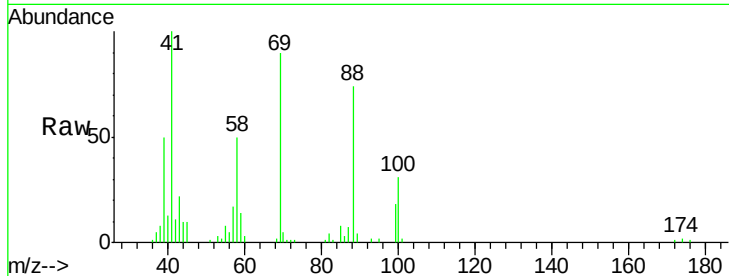
#49
1,4-Dioxane
Concen: 400.806 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.8	35.6
58	71.8	58.4	87.6

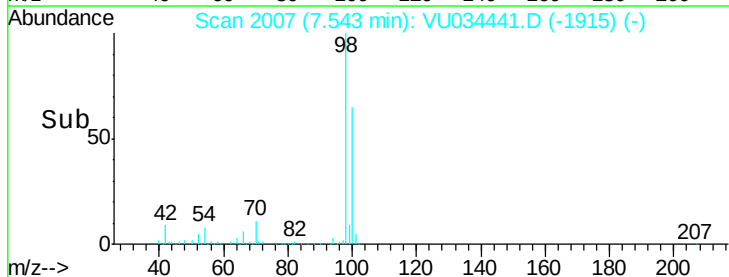
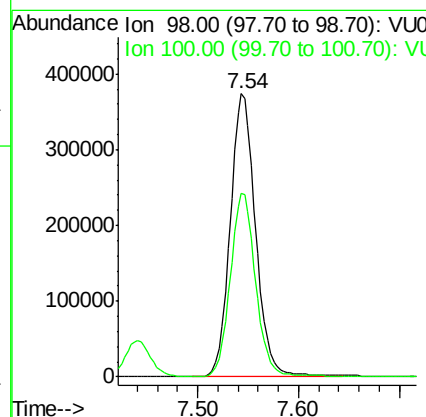
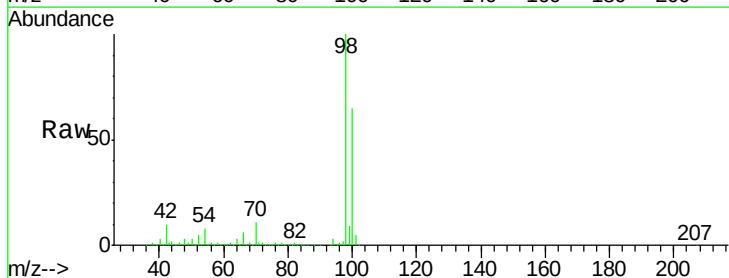
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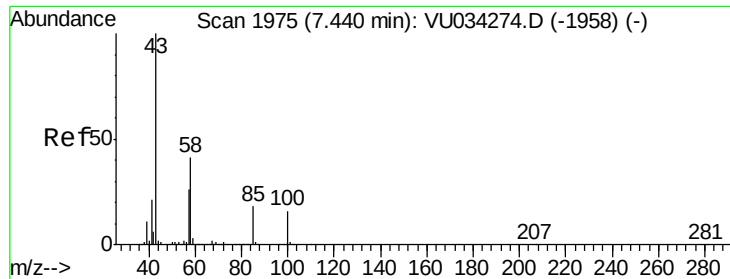
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#50
Toluene-d8
Concen: 51.682 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





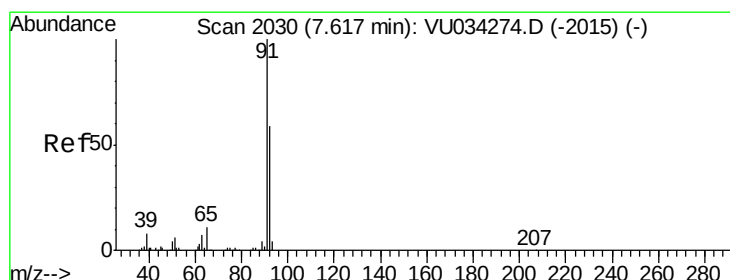
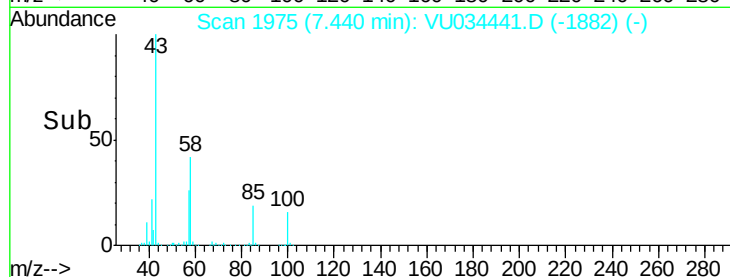
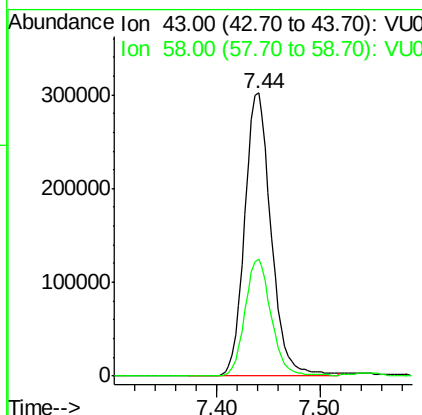
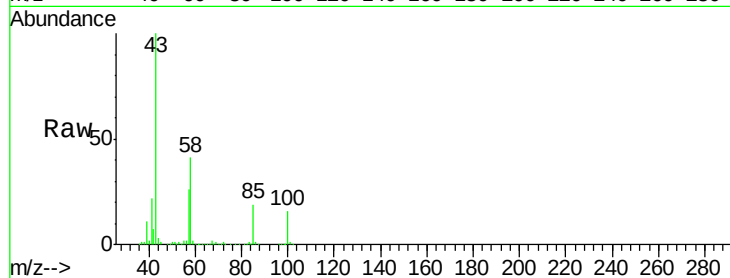
#51
4-Methyl-2-Pentanone
Concen: 106.446 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	33.0	49.4

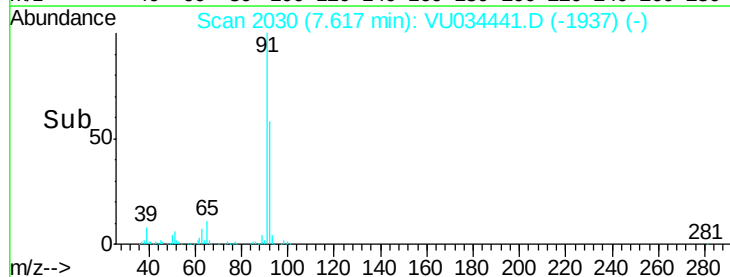
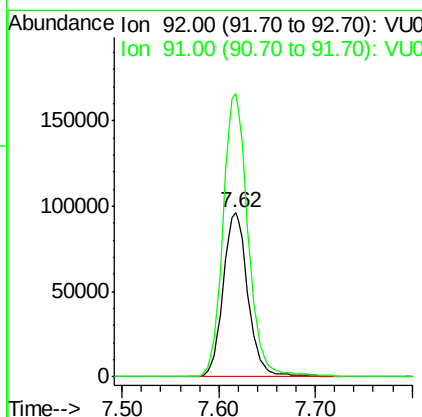
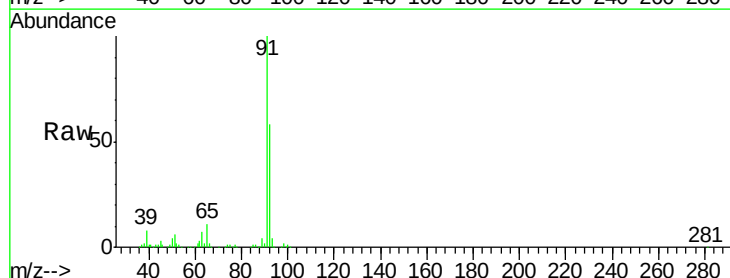
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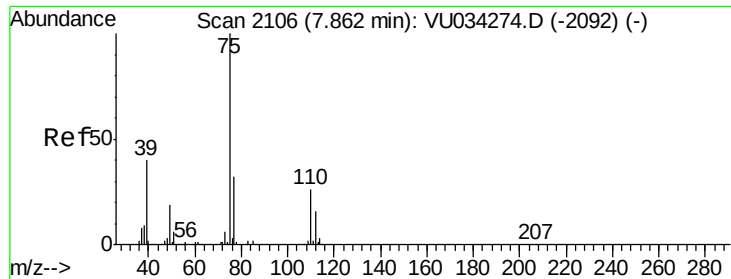
MMDadoda
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#52
Toluene
Concen: 21.531 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 20.910 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion: 75 Resp: 104179

Ion Ratio Lower Upper

75 100

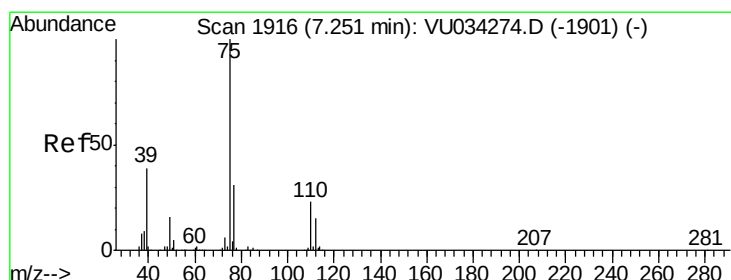
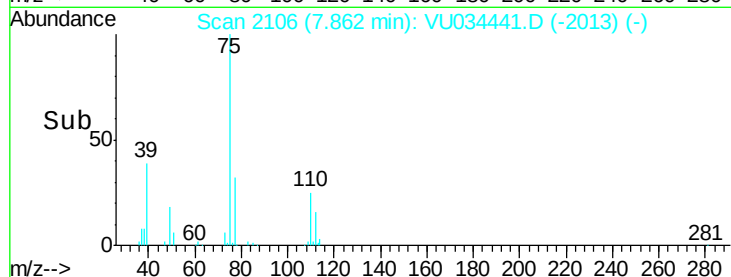
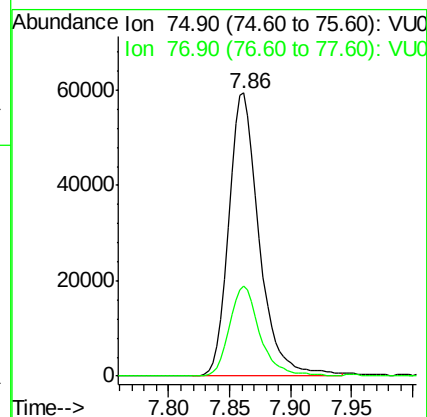
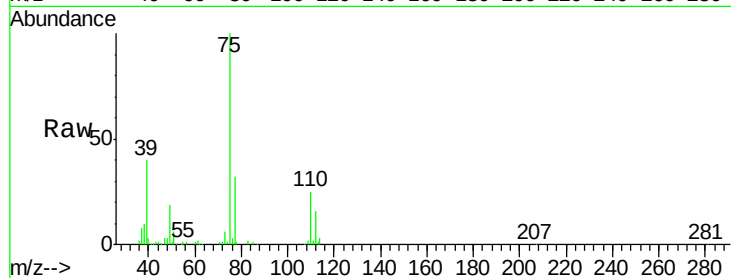
77 32.0 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.617 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

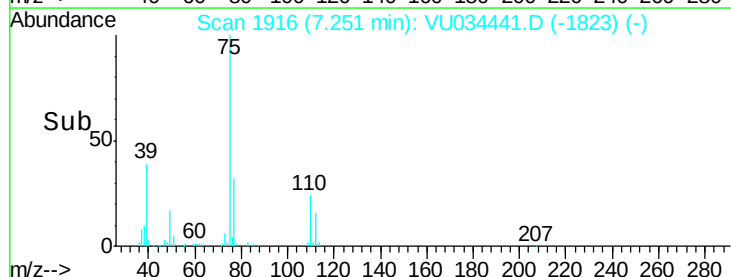
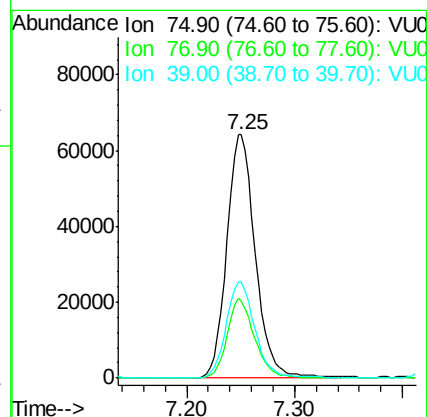
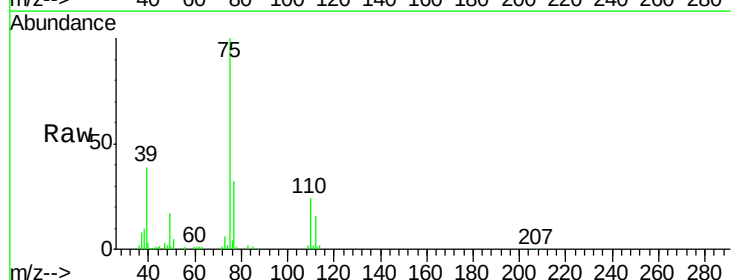
Tgt Ion: 75 Resp: 118210

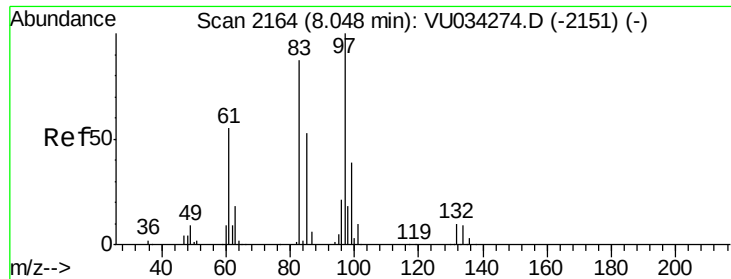
Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

39 39.1 31.2 46.8





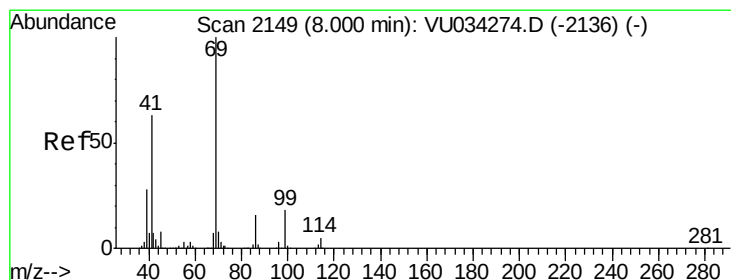
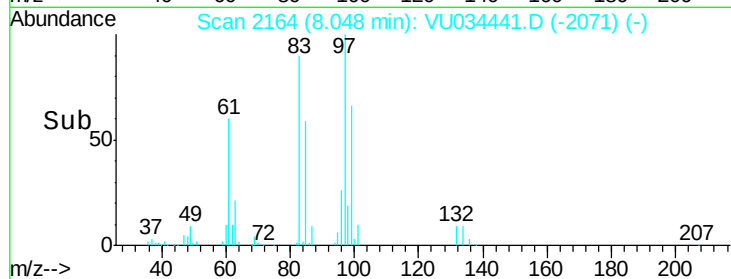
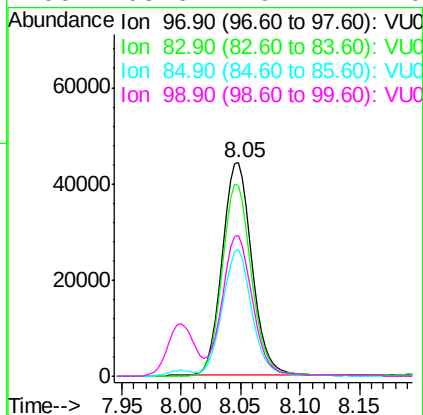
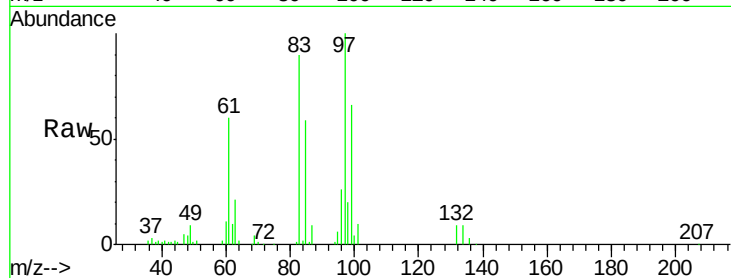
#55
 1,1,2-Trichloroethane
 Concen: 21.217 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion:	97	Resp:	76901
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.0	103.6
85	59.3	44.2	66.2
99	65.6	49.4	74.0

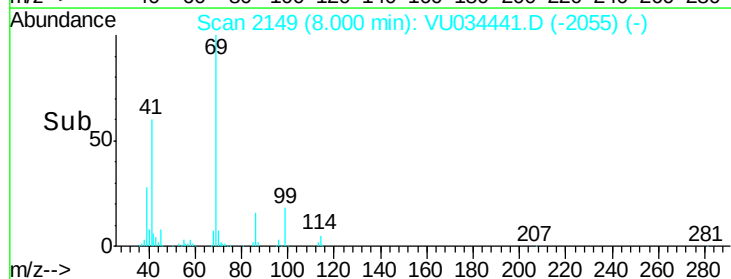
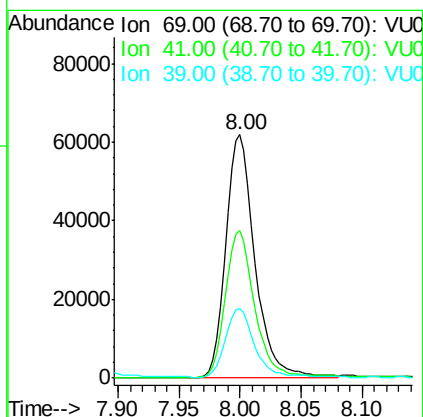
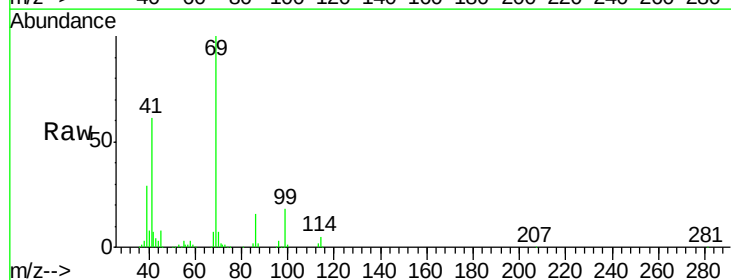
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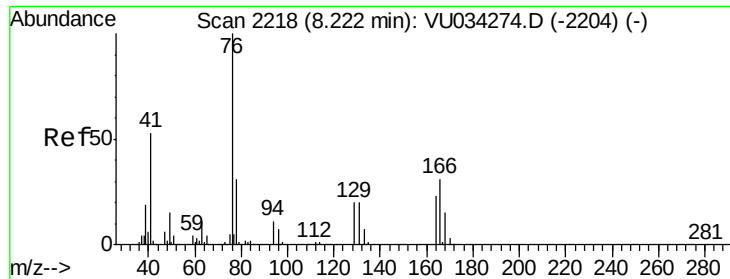
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#56
 Ethyl methacrylate
 Concen: 20.792 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion:	69	Resp:	103949
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.5	74.3
39	27.9	22.5	33.7





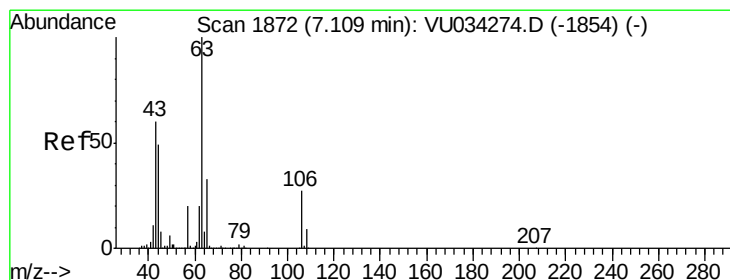
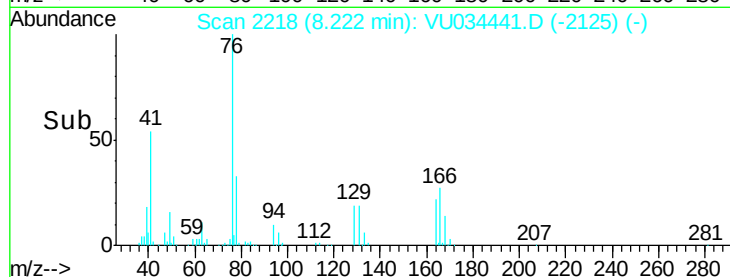
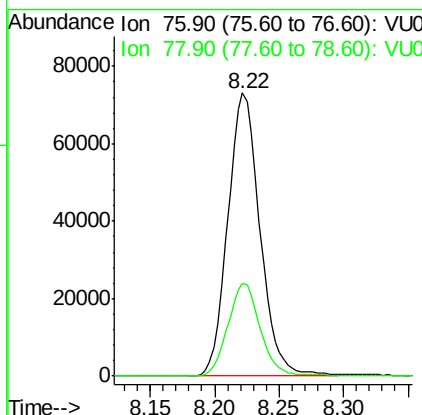
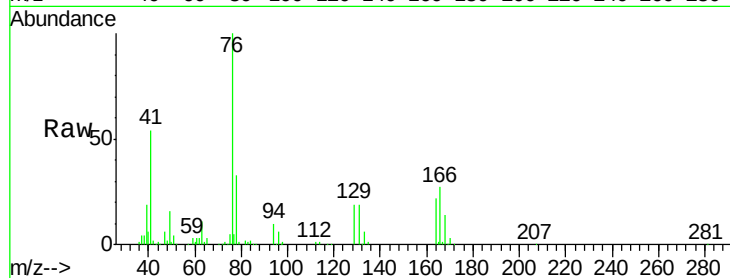
#57
 1,3-Dichloropropane
 Concen: 21.450 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion: 76 Resp: 126596
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.4 38.2

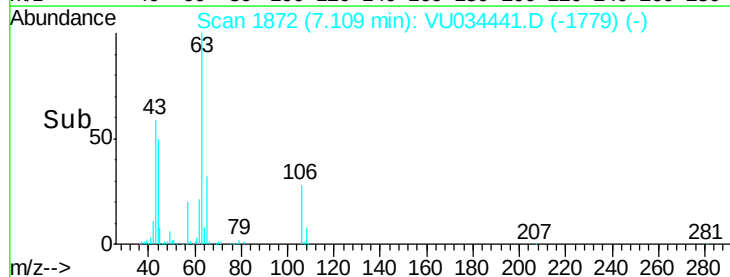
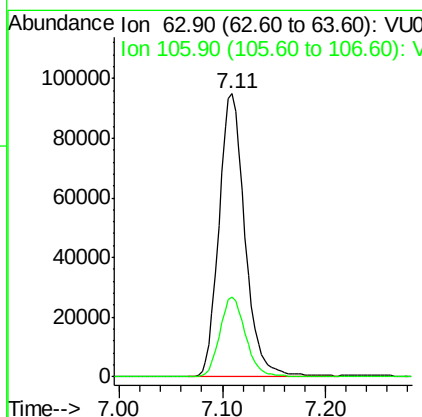
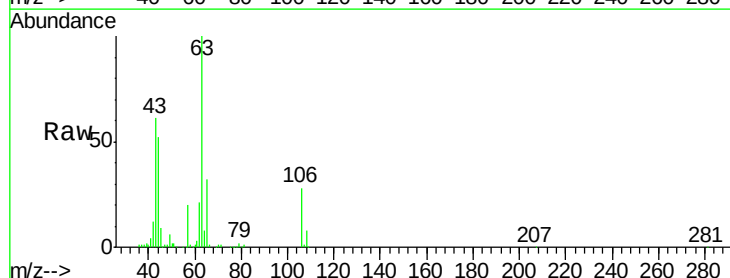
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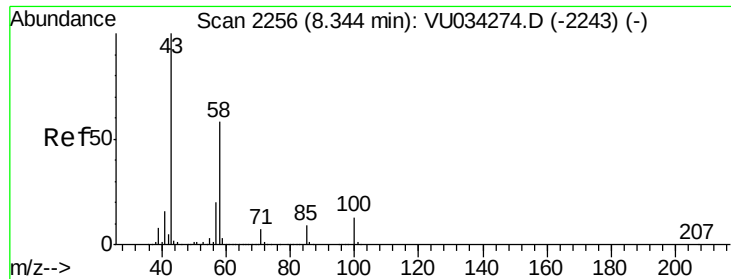
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 9/11/2019 1:42:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.239 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion: 63 Resp: 166880
 Ion Ratio Lower Upper
 63 100
 106 28.0 21.6 32.4





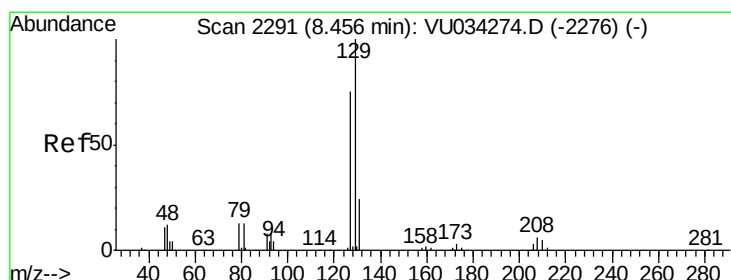
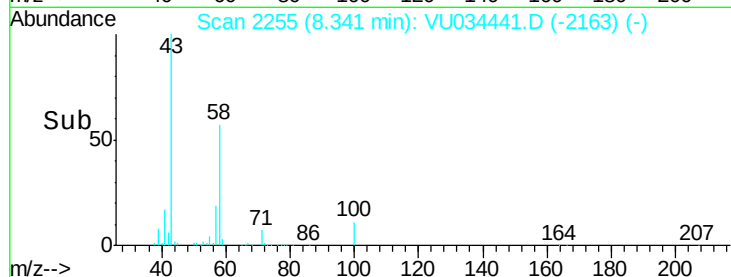
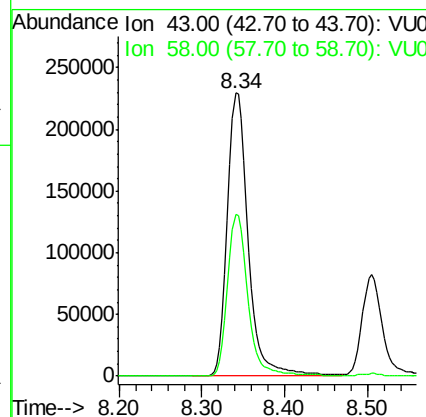
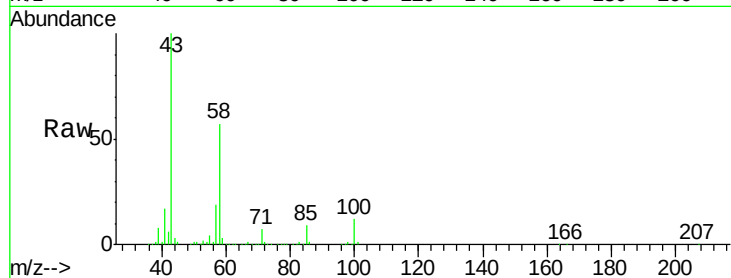
#59
2-Hexanone
Concen: 105.930 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	43	Resp	398404
Ion Ratio	43	100	
Lower	58	56.5	28.8
Upper			86.5

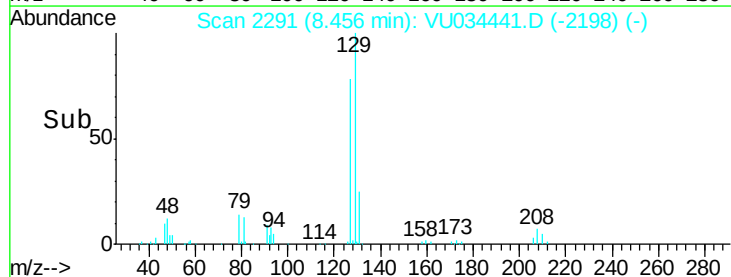
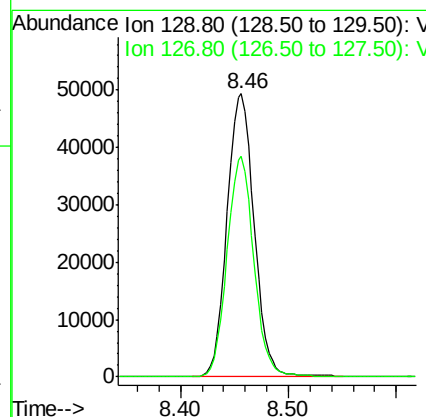
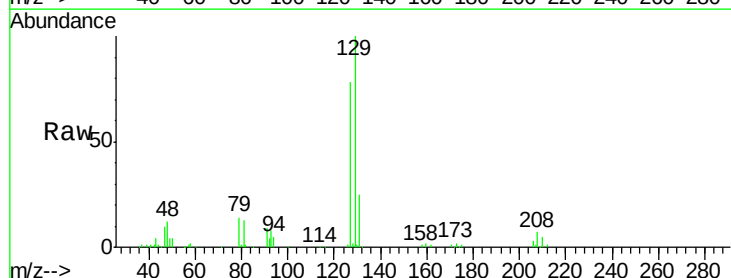
Manual Integrations
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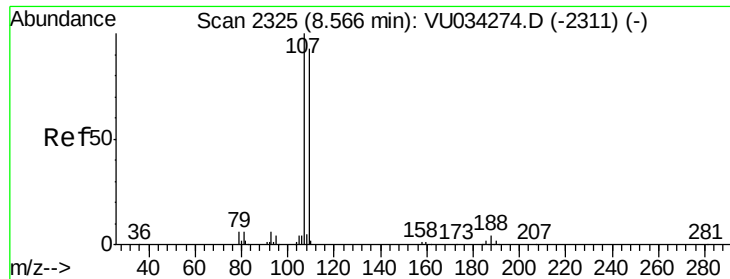
MMDadoda
9/11/2019 1:42:34 PM



#60
Dibromochloromethane
Concen: 22.305 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	129	Resp	86711
Ion Ratio	129	100	
Lower	127	76.7	37.9
Upper			113.7





#61

1,2-Dibromoethane

Concen: 21.630 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion:107 Resp: 76733

Ion Ratio Lower Upper

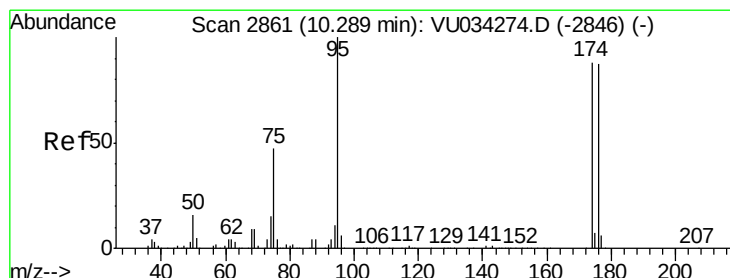
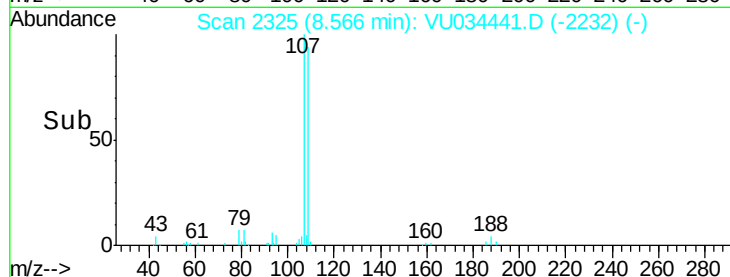
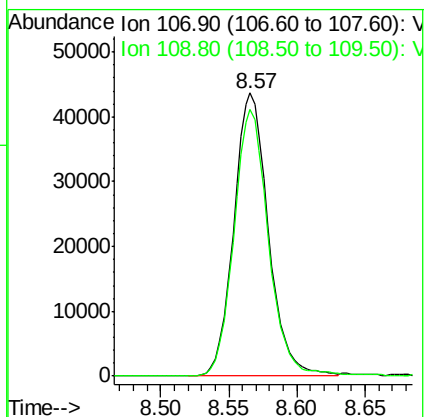
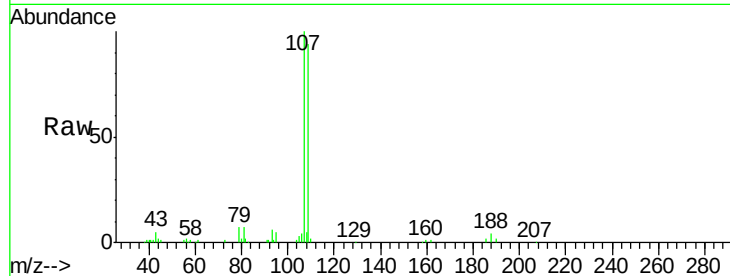
107 100

109 94.7 75.0 112.6

Manual Integrations
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9/11/2019 1:42:34 PM



#62

4-Bromofluorobenzene

Concen: 49.312 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

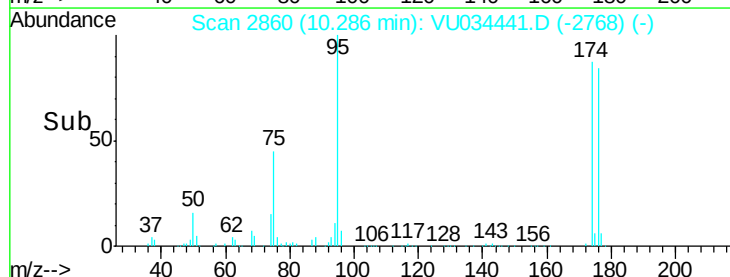
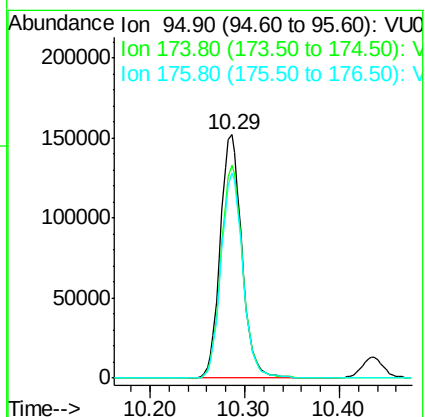
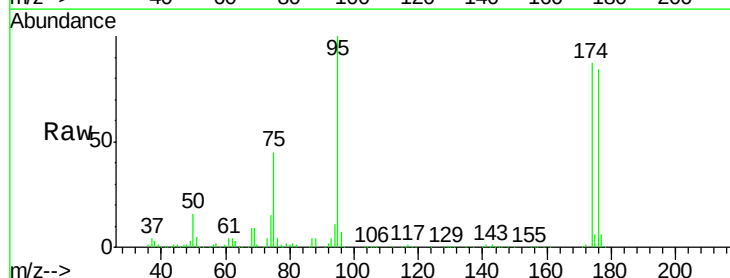
Tgt Ion: 95 Resp: 242014

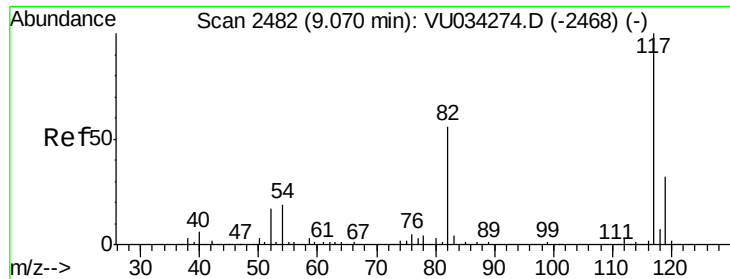
Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.2

176 84.7 0.0 168.0





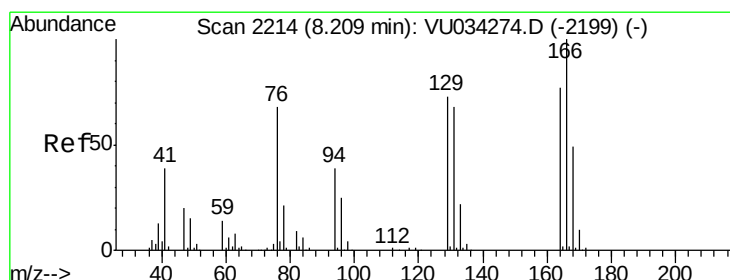
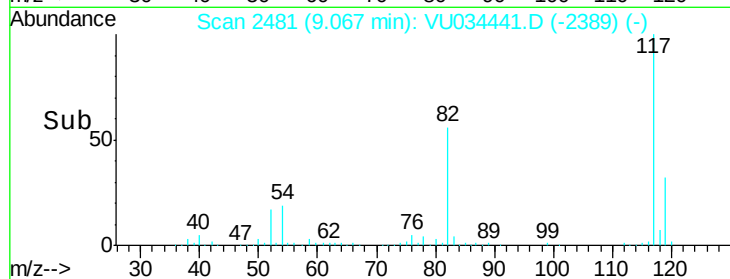
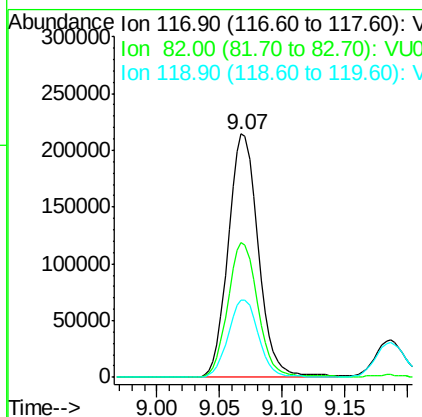
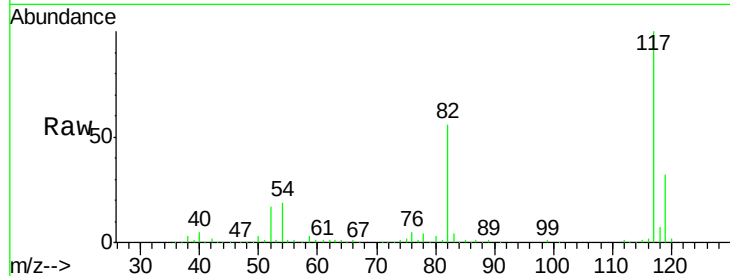
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	67.0
119	31.8	25.9	38.9

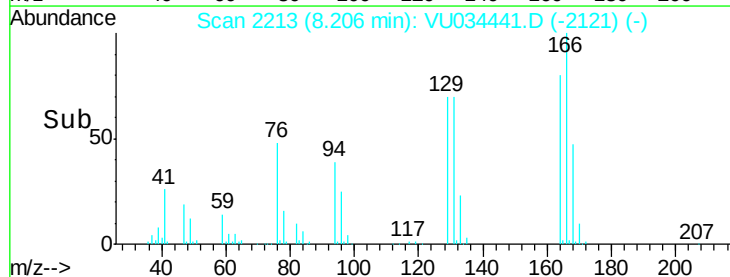
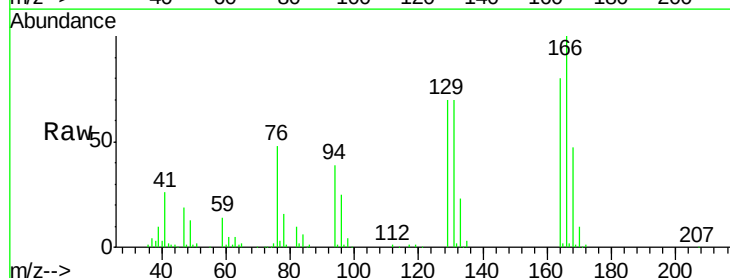
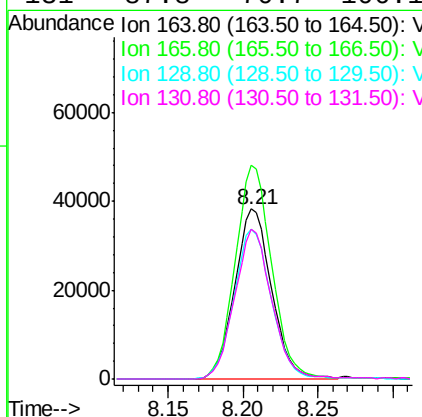
Manual Integrations
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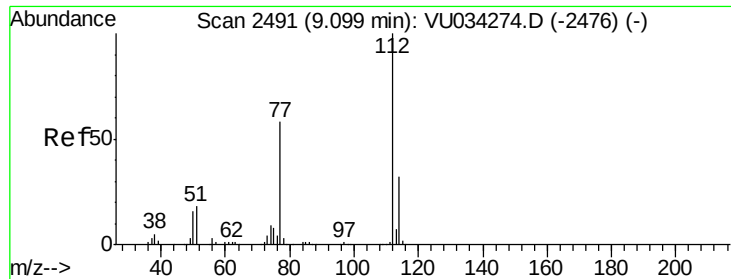
MMDadoda
9/11/2019 1:42:34 PM



#64
Tetrachloroethene
Concen: 21.127 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	103.7	155.5
129	88.3	75.8	113.8
131	87.8	70.7	106.1





#65

Chlorobenzene

Concen: 21.646 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion:112 Resp: 196860

Ion Ratio Lower Upper

112 100

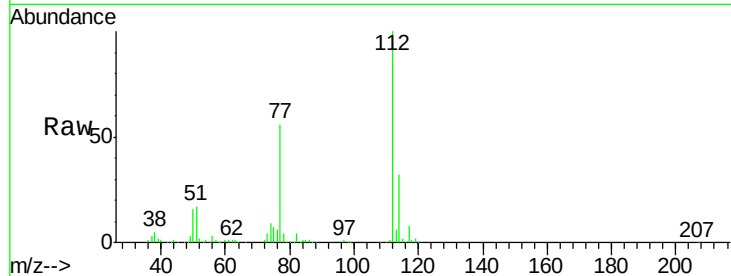
114 31.7 25.9 38.9

Manual Integrations

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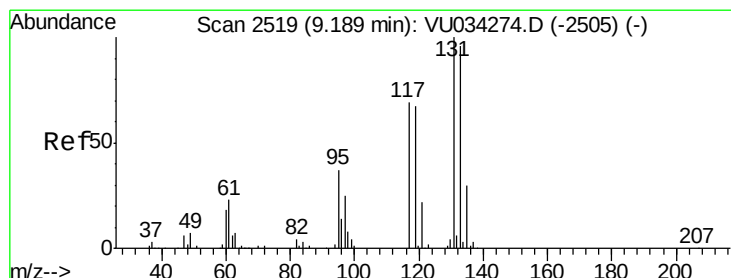
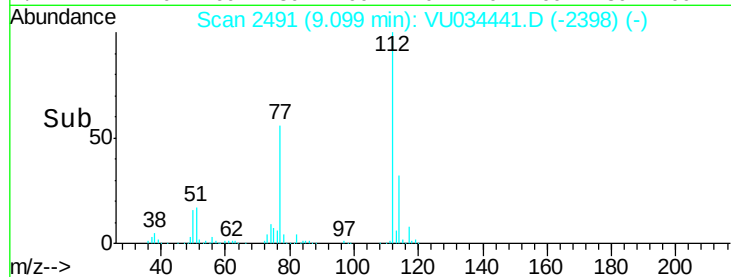
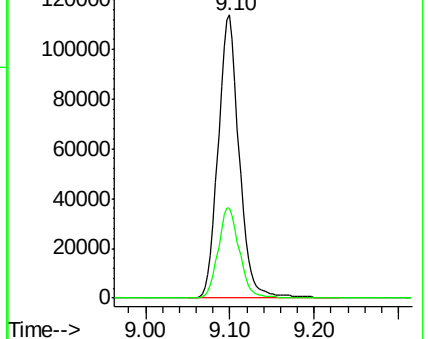
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.840 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

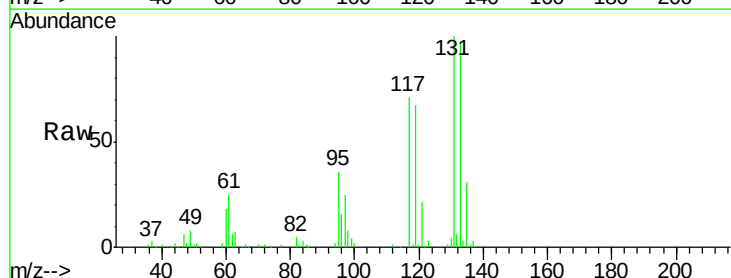
Tgt Ion:131 Resp: 75802

Ion Ratio Lower Upper

131 100

133 97.2 47.9 143.7

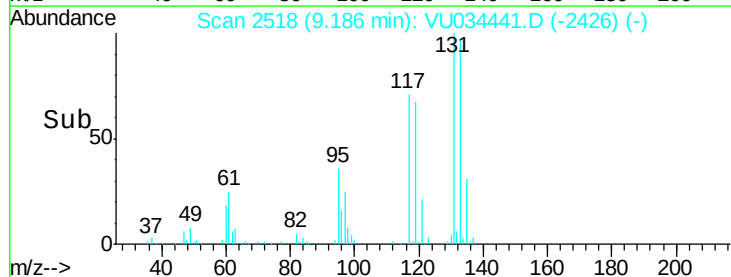
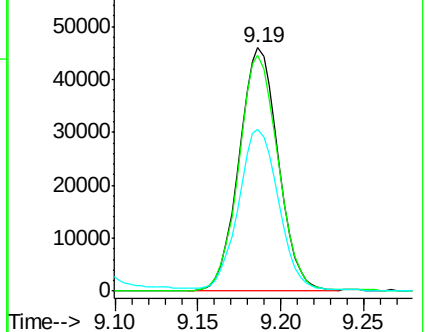
119 68.2 33.1 99.5

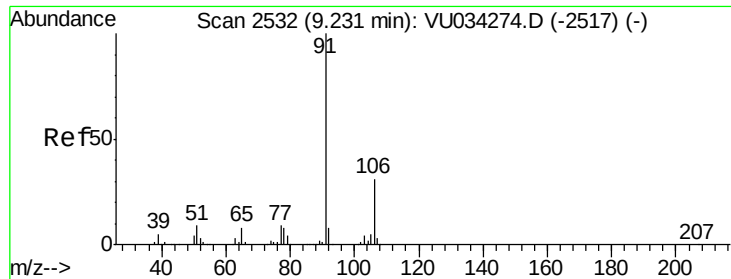


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.162 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion: 91 Resp: 314676

Ion Ratio Lower Upper

91 100

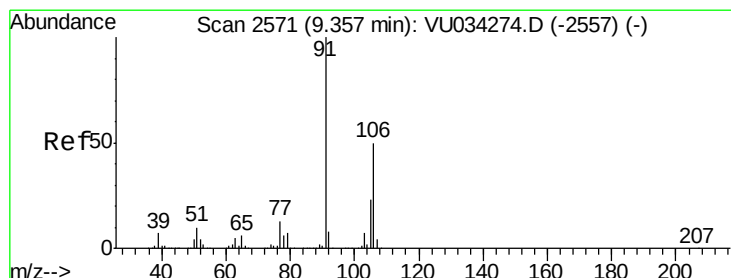
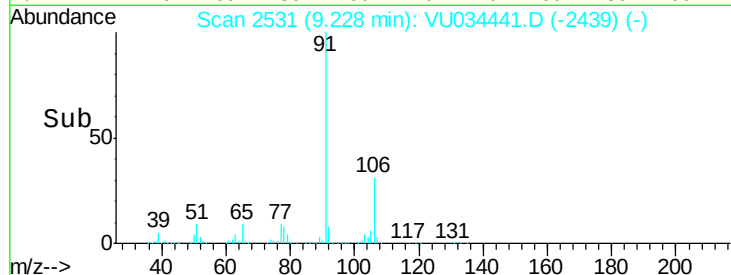
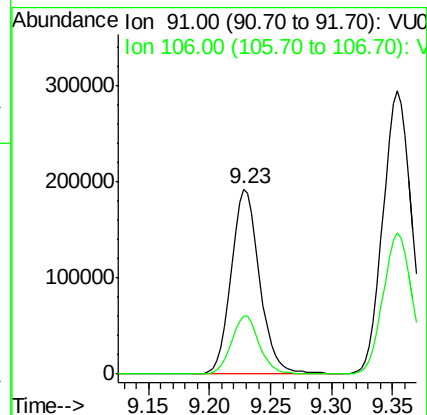
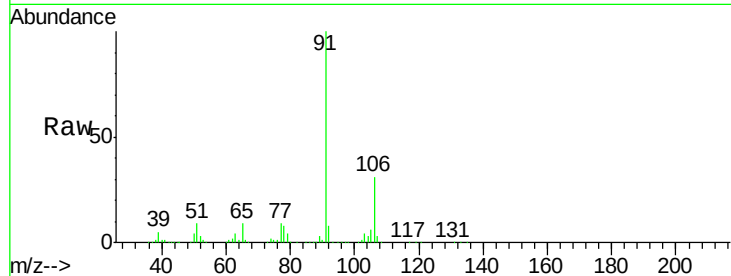
106 31.5 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.154 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034441.D

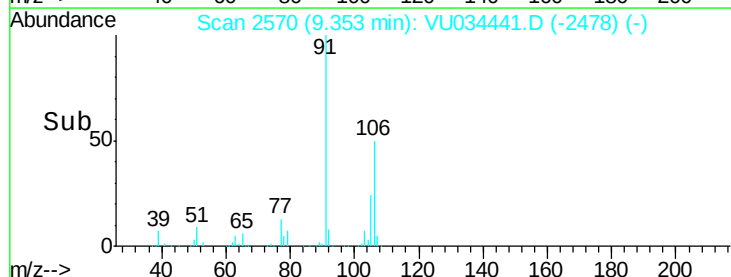
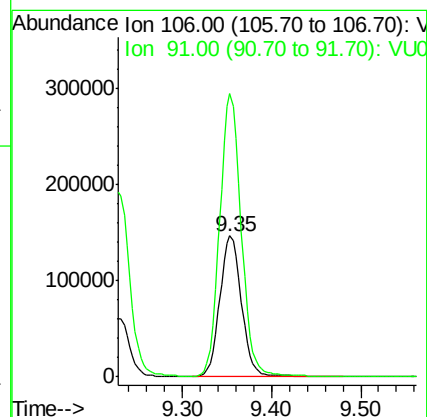
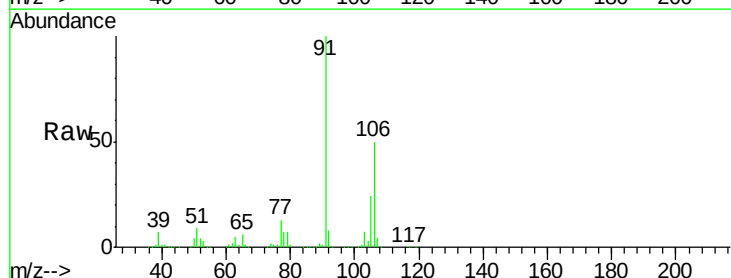
Acq: 10 Sep 2019 11:19

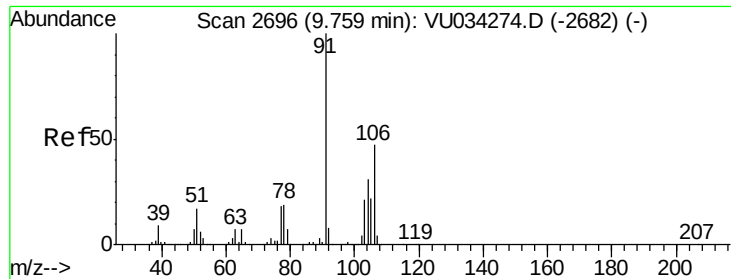
Tgt Ion: 106 Resp: 247237

Ion Ratio Lower Upper

106 100

91 198.8 160.1 240.1





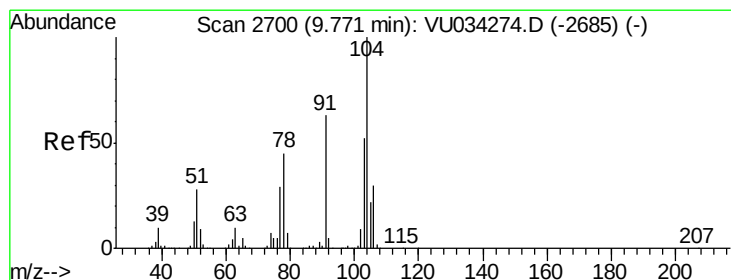
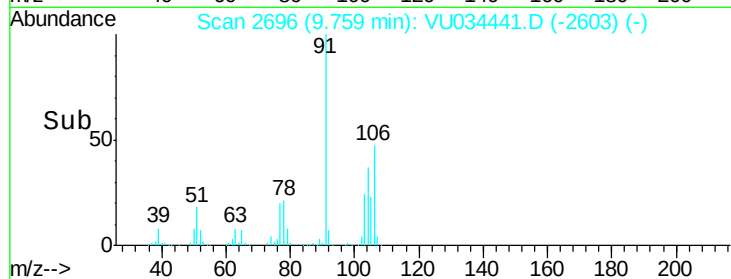
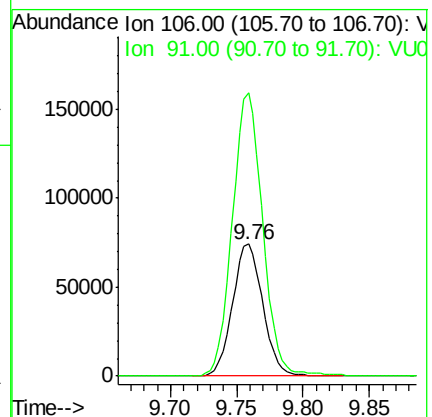
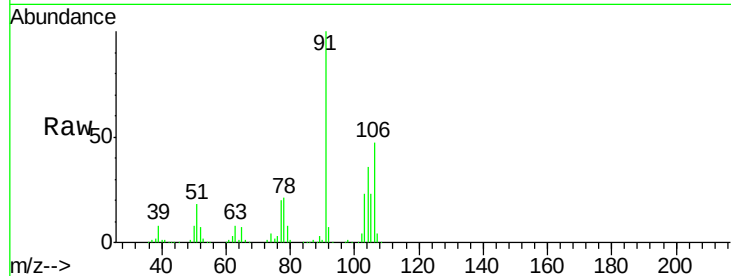
#69
o-Xylene
Concen: 21.536 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.8	105.1	315.3

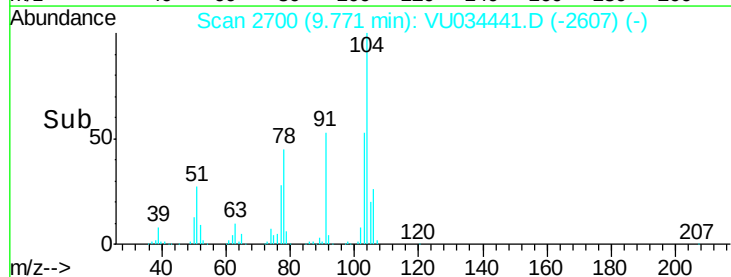
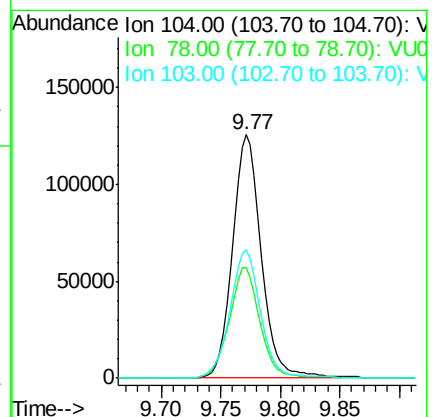
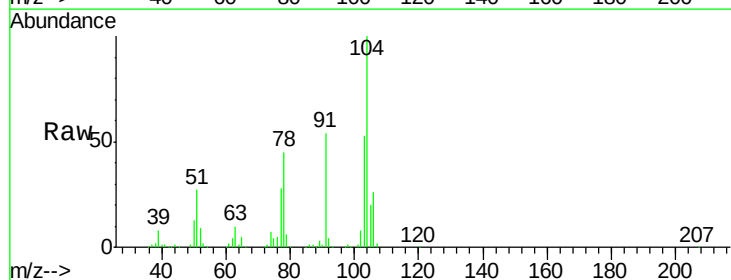
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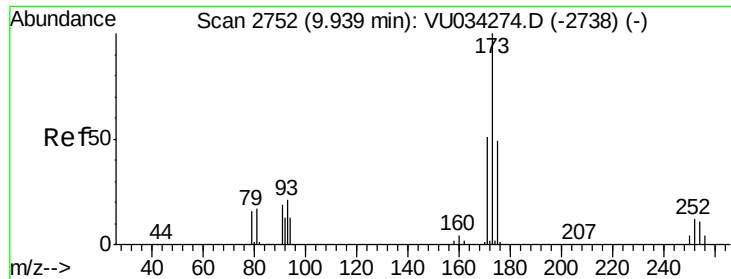
MMDadoda
9/11/2019 1:42:34 PM



#70
Styrene
Concen: 21.889 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.6	57.8
103	56.3	44.2	66.4





#71

Bromoform

Concen: 22.032 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion:173 Resp: 66271

Ion Ratio Lower Upper

173 100

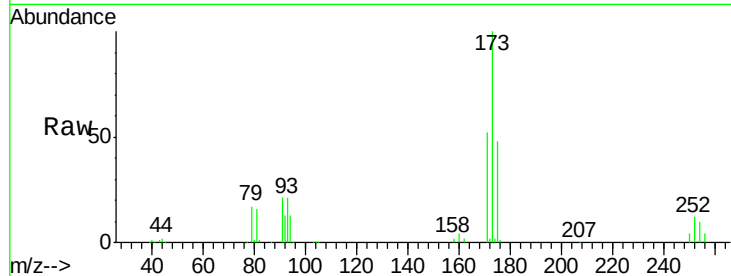
175 48.6 24.4 73.2

254 0.0 0.0 0.0#

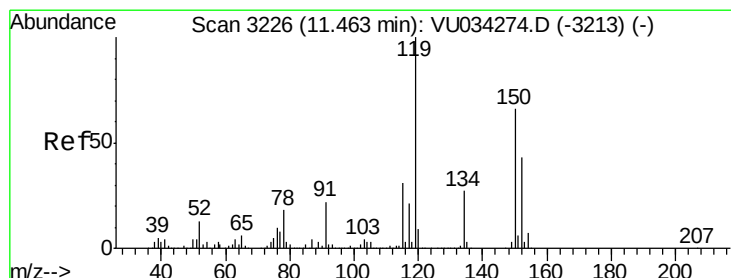
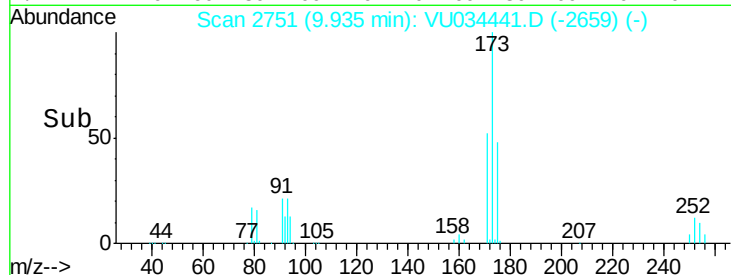
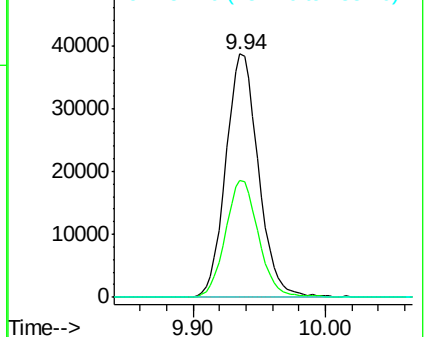
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

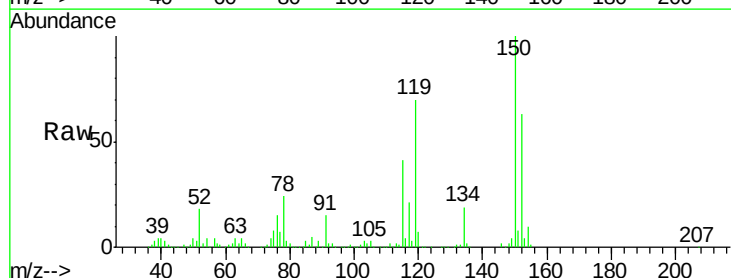
Tgt Ion:152 Resp: 239622

Ion Ratio Lower Upper

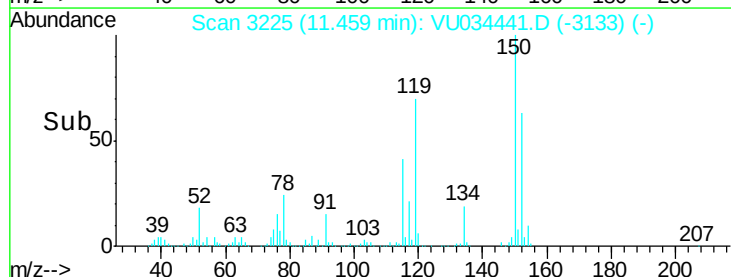
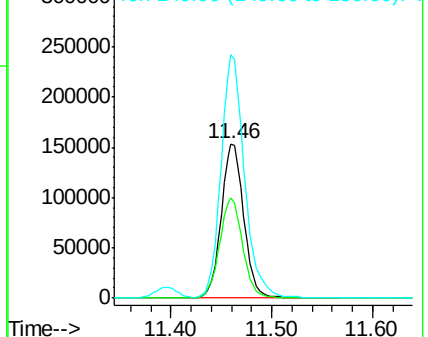
152 100

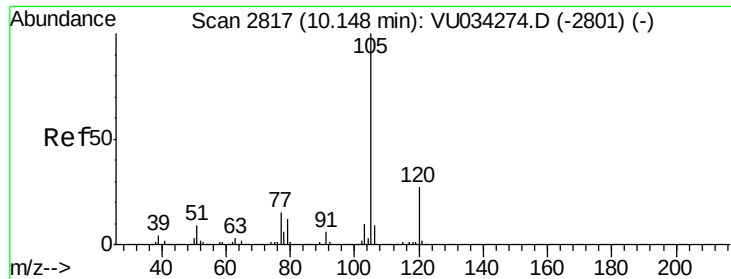
115 66.1 39.1 117.3

150 163.5 0.0 345.4



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





#73

Isopropylbenzene

Concen: 21.195 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion:105 Resp: 330508

Ion Ratio Lower Upper

105 100

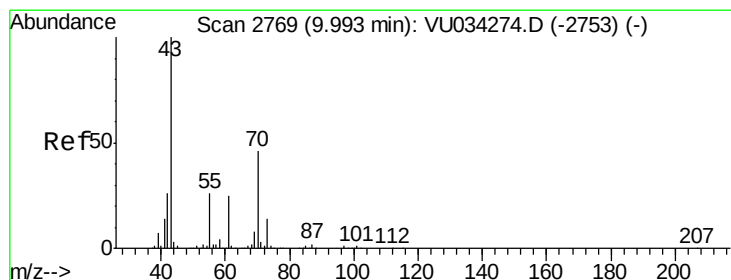
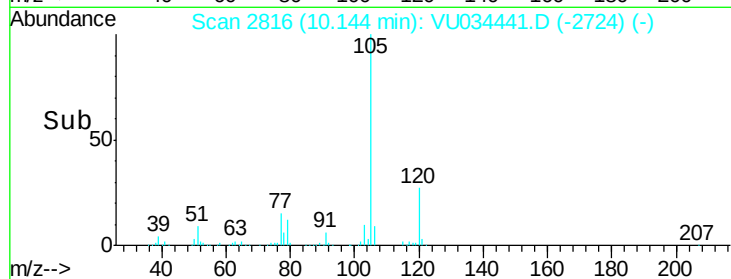
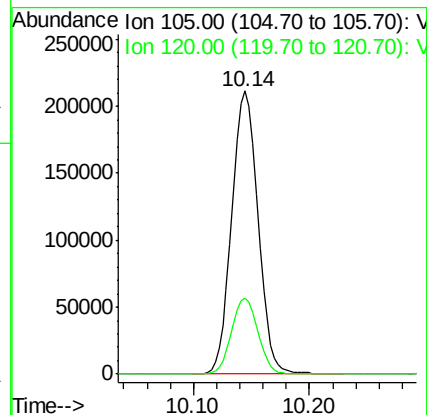
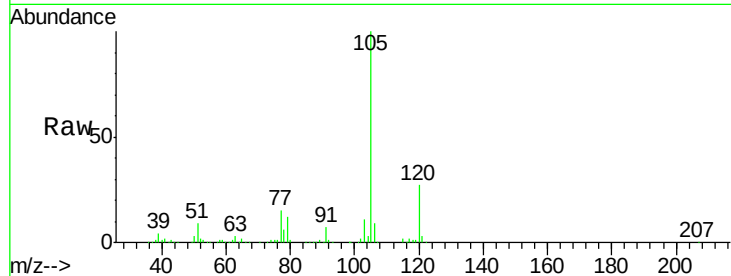
120 26.9 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.684 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion: 43 Resp: 129832

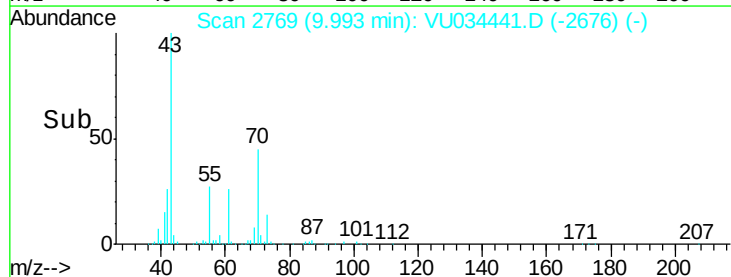
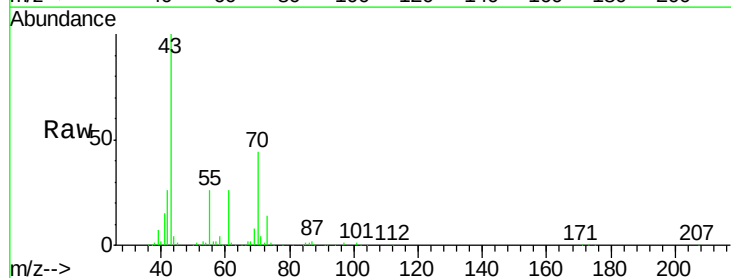
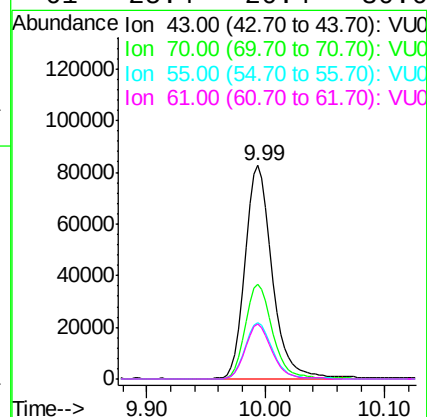
Ion Ratio Lower Upper

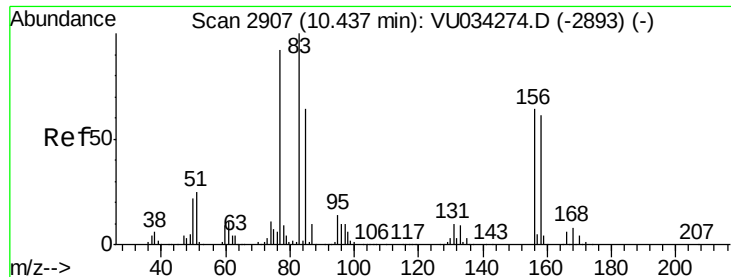
43 100

70 45.1 36.4 54.6

55 27.4 21.2 31.8

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.382 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

VU0910WBS01

Tot Ion: 83 Resp: 134966

Ion Ratio Lower Upper

83 100

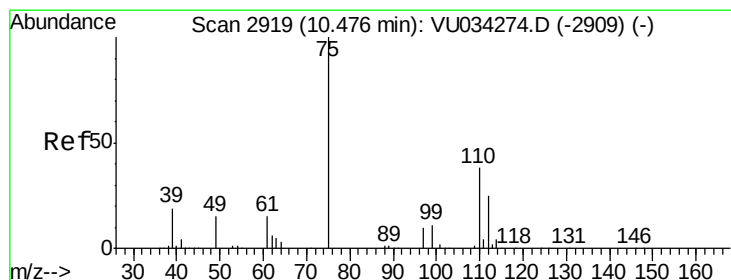
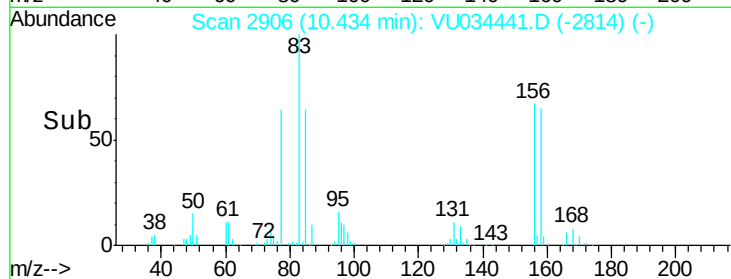
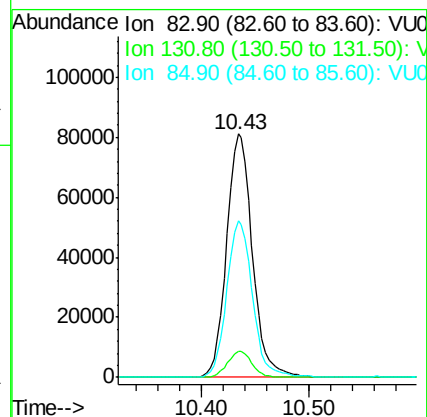
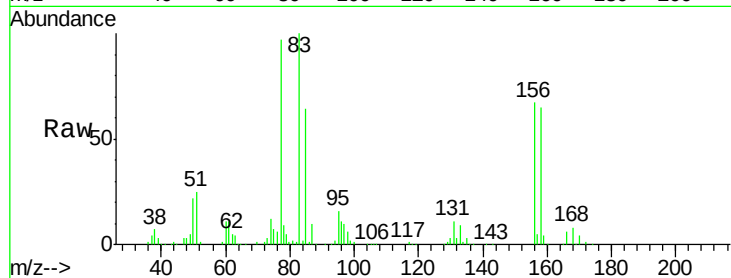
131 10.1 5.1 15.2

85 64.4 32.0 96.2

Manual Integrations
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9/11/2019 1:42:34 PM



#76

1,2,3-Trichloropropane

Concen: 21.345 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034441.D

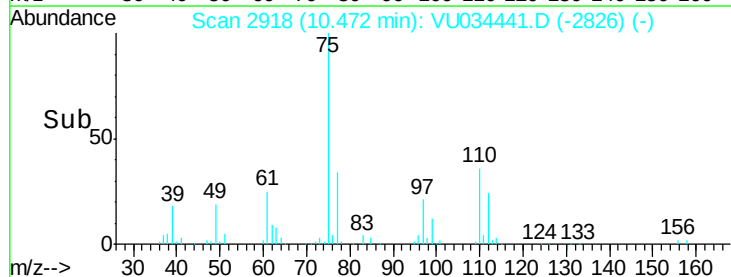
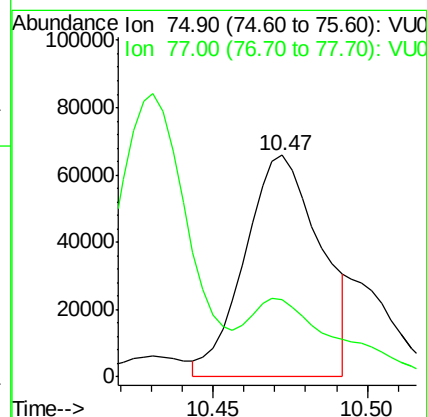
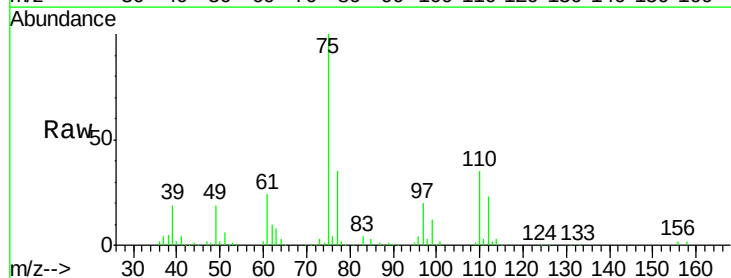
Acq: 10 Sep 2019 11:19

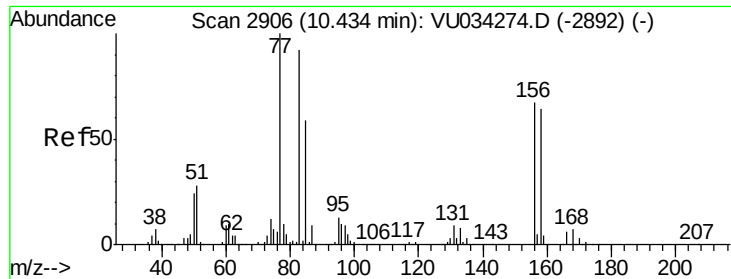
Tgt Ion: 75 Resp: 111644

Ion Ratio Lower Upper

75 100

77 42.7 20.8 62.2





#77

Bromobenzene

Concen: 21.485 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

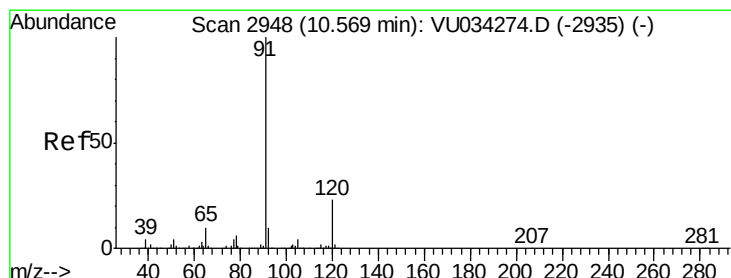
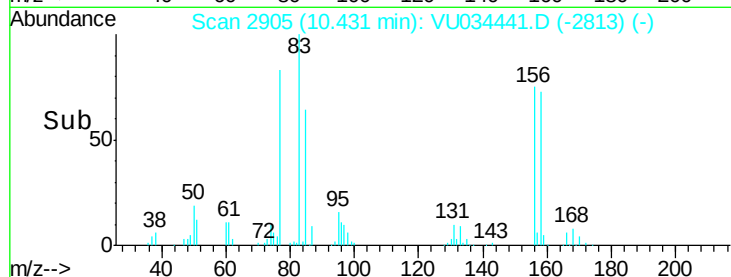
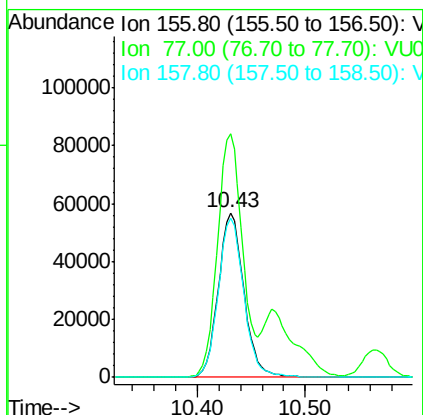
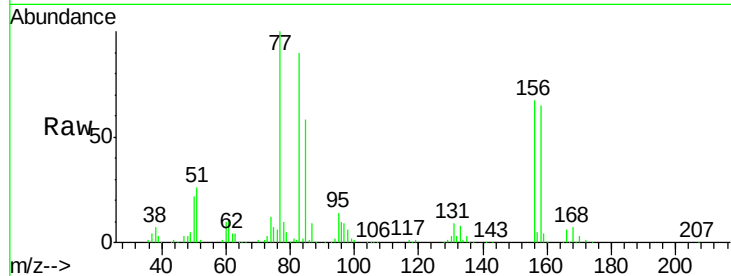
ClientSampleId :

VU0910WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.9	75.6	226.9	
158	96.8	48.2	144.6	

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#78

n-propylbenzene

Concen: 21.098 ug/l

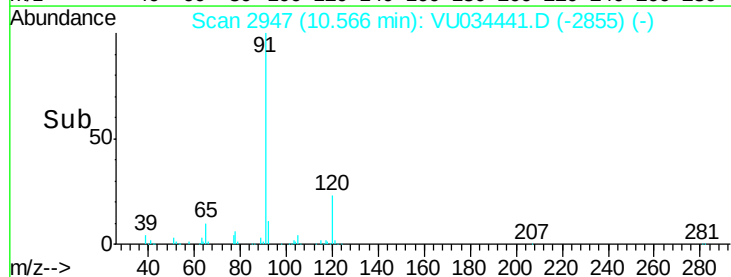
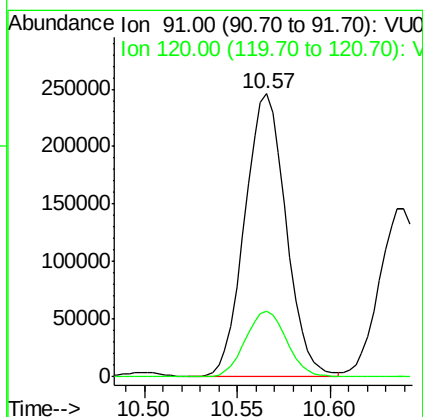
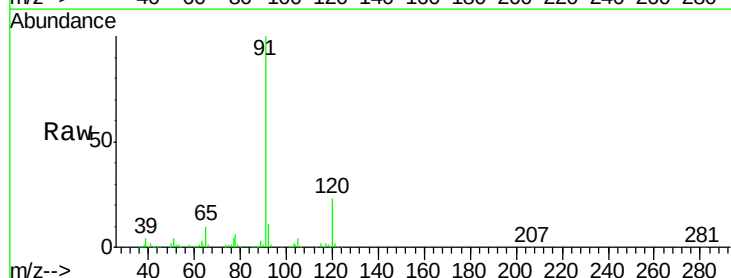
RT: 10.57 min Scan# 2947

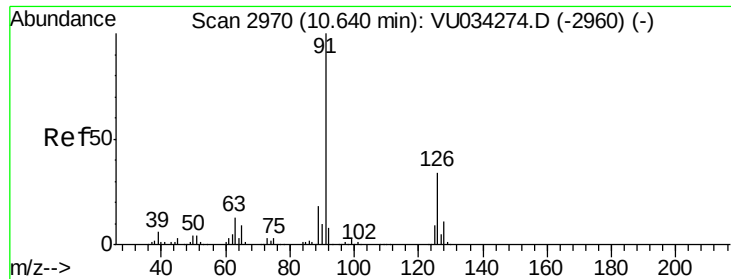
Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.7	35.0	





#79

2-Chlorotoluene

Concen: 21.285 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

VU0910WBS01

Tot Ion: 91 Resp: 233895

Ion Ratio Lower Upper

91 100

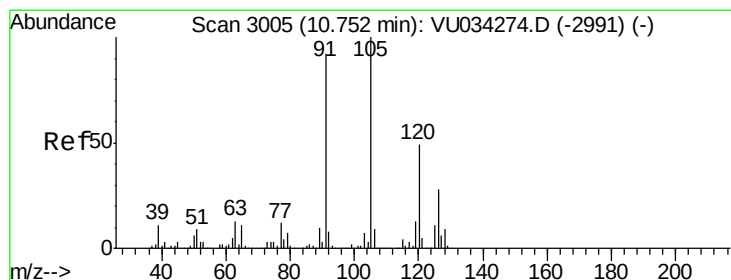
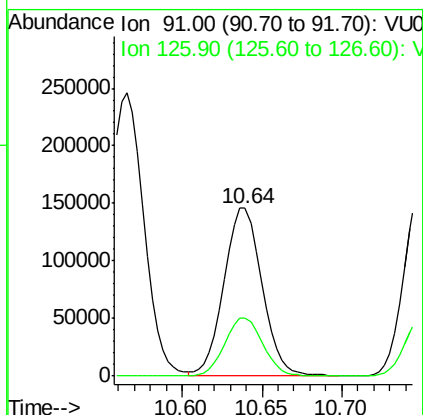
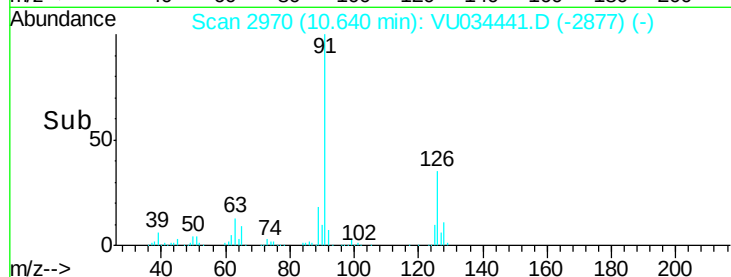
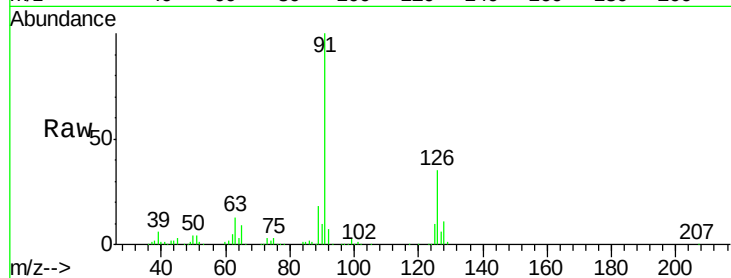
126 35.3 17.3 51.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.088 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034441.D

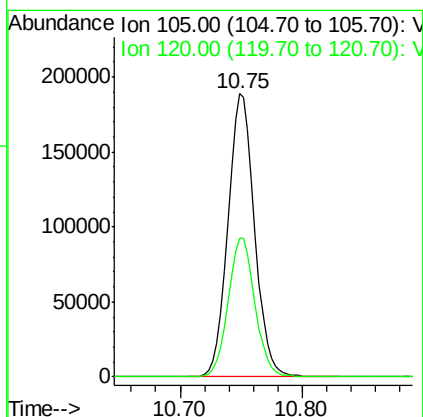
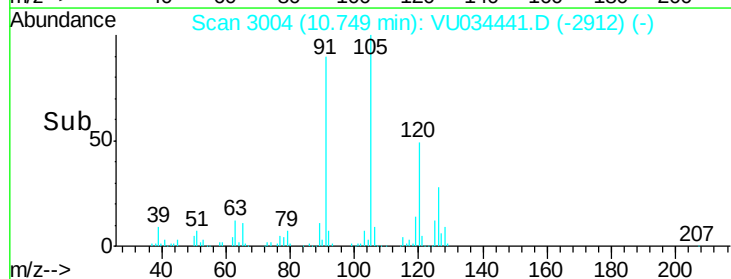
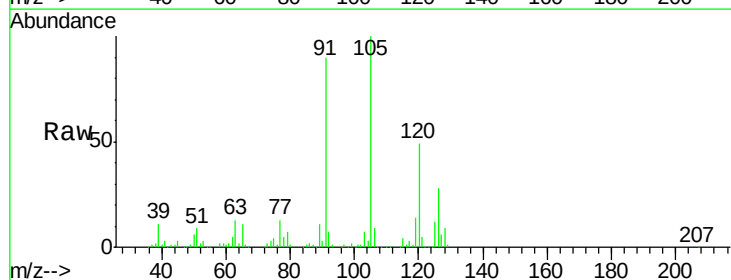
Acq: 10 Sep 2019 11:19

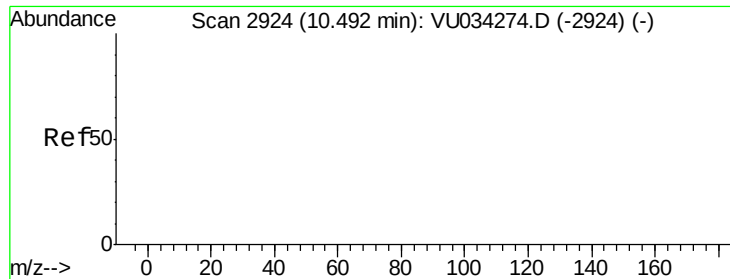
Tgt Ion: 105 Resp: 288069

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.052 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034441.D

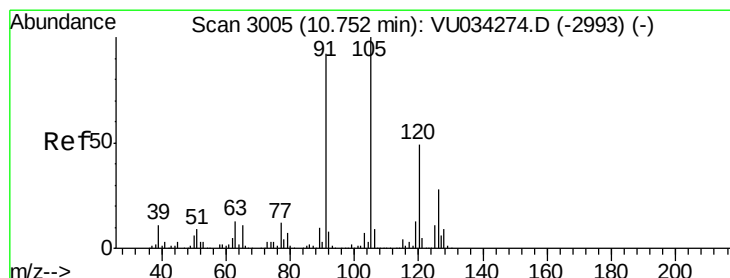
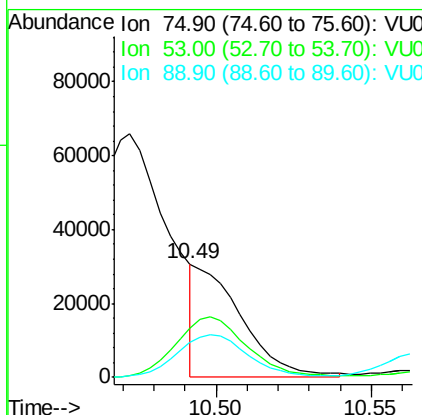
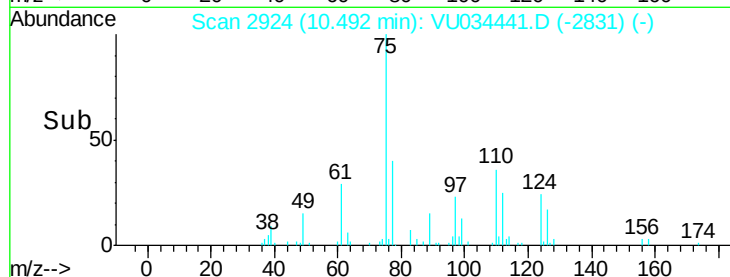
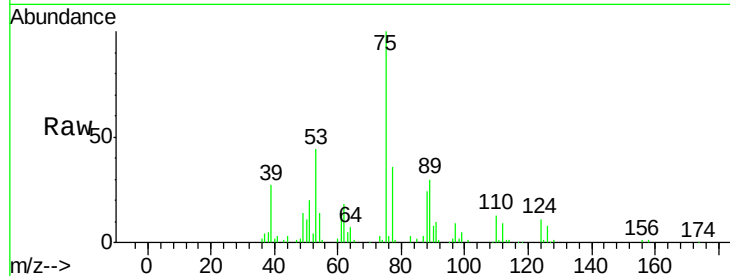
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

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

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#82

4-Chlorotoluene

Concen: 21.139 ug/l

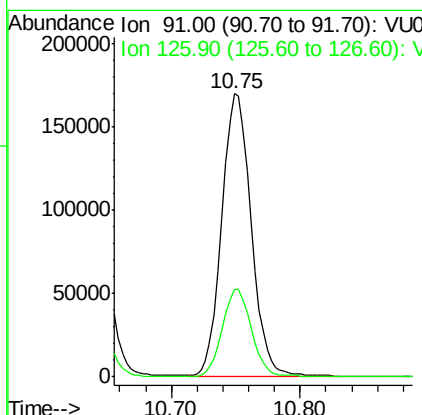
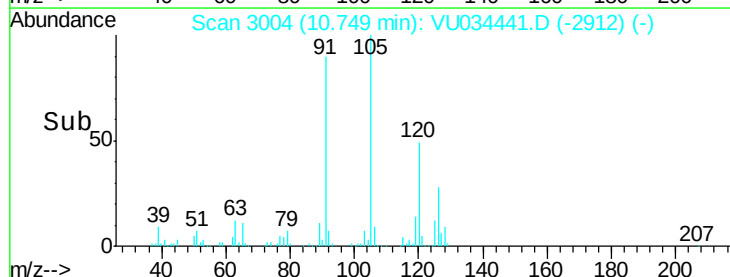
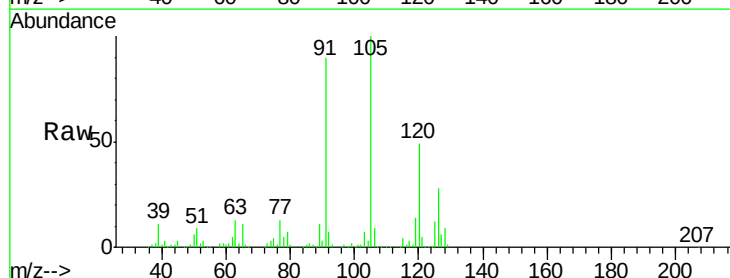
RT: 10.75 min Scan# 3004

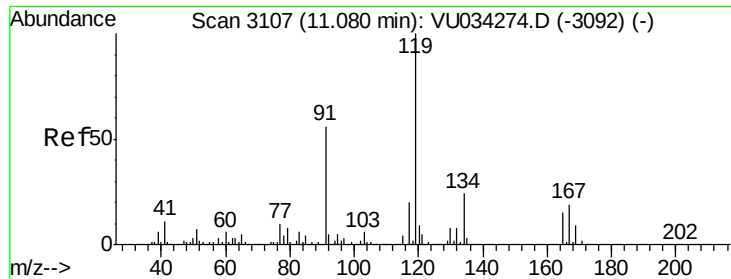
Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.8





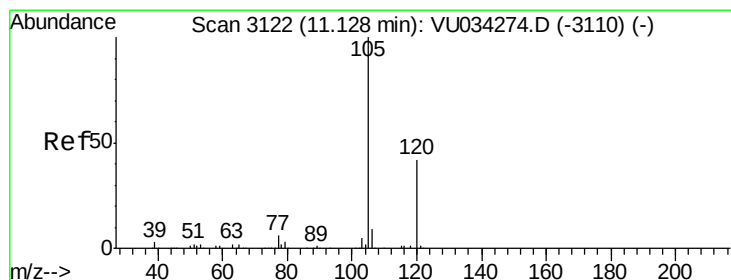
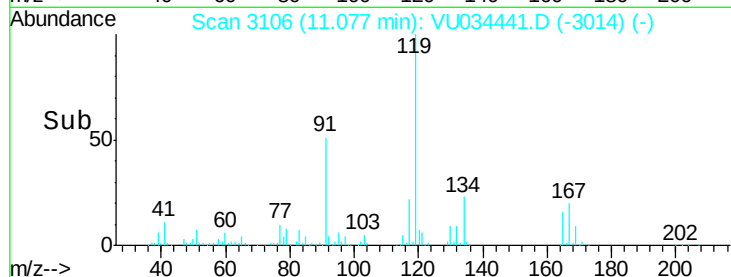
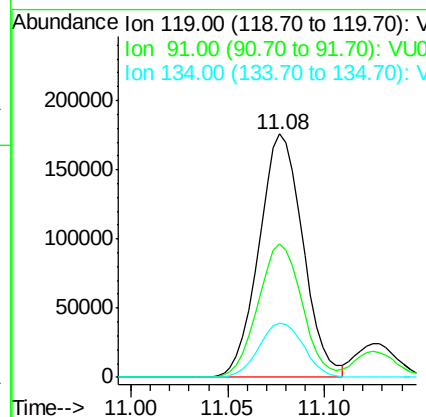
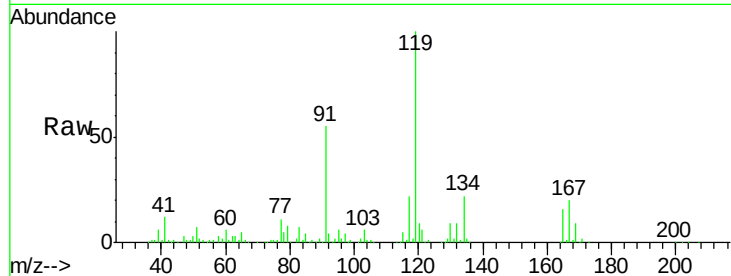
#83
 tert-Butylbenzene
 Concen: 21.380 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278945		
91	54.6		27.8	83.4
134	22.8		11.7	35.0

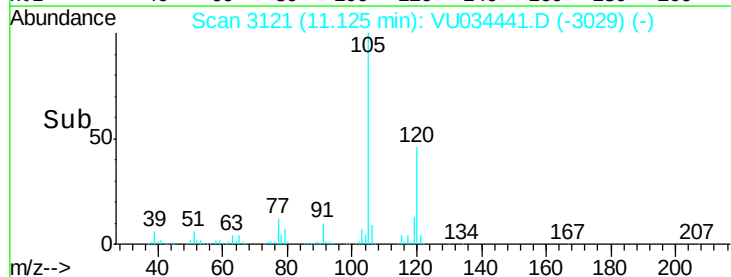
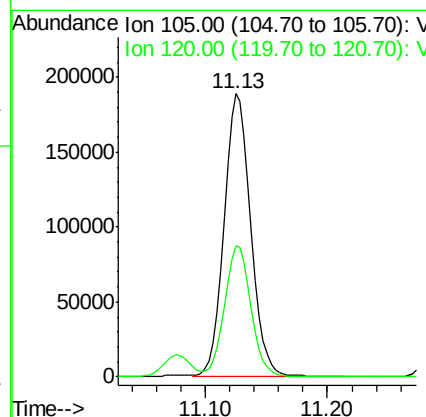
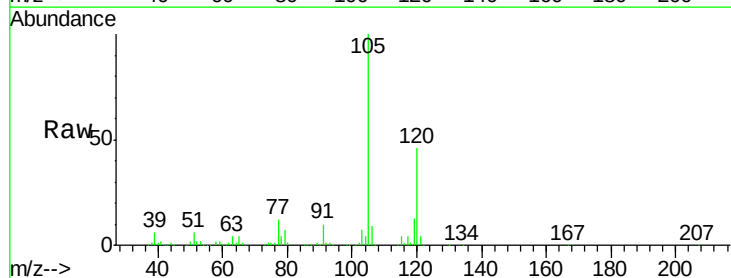
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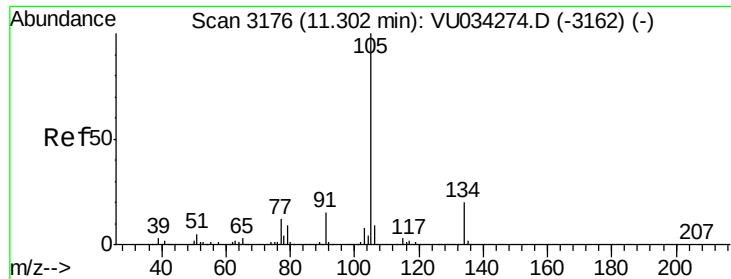
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.026 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289162		
120	46.1		22.9	68.8





#85

sec-Butylbenzene

Concen: 21.625 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VU0910WBS01

Tot Ion:105 Resp: 333081

Ion Ratio Lower Upper

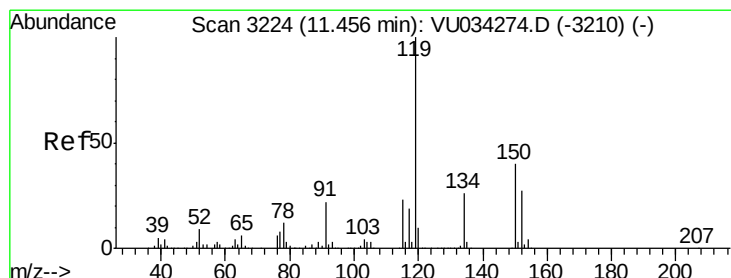
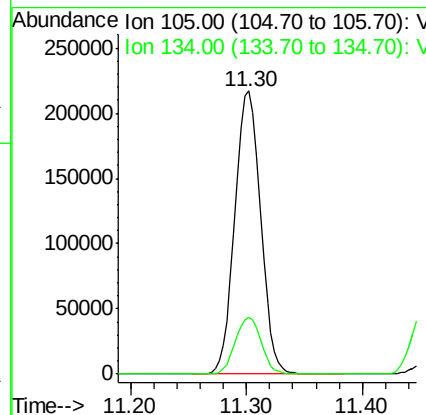
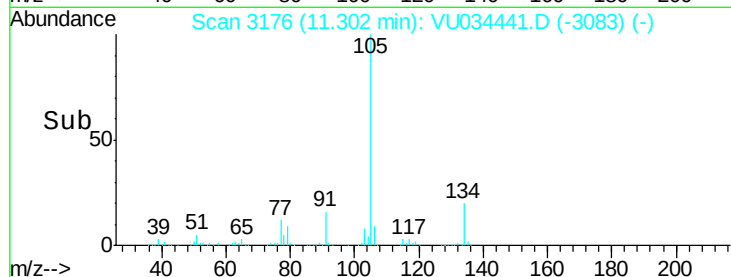
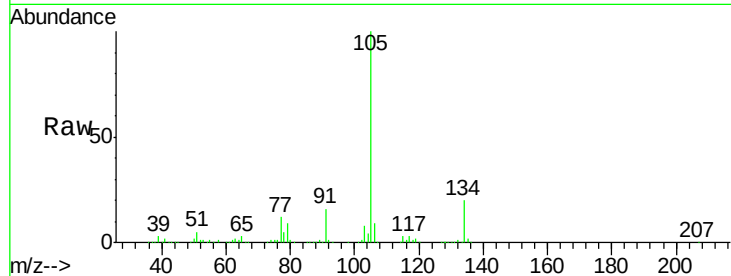
105 100

134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 21.543 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

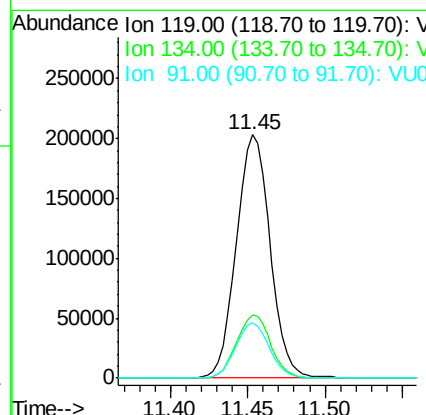
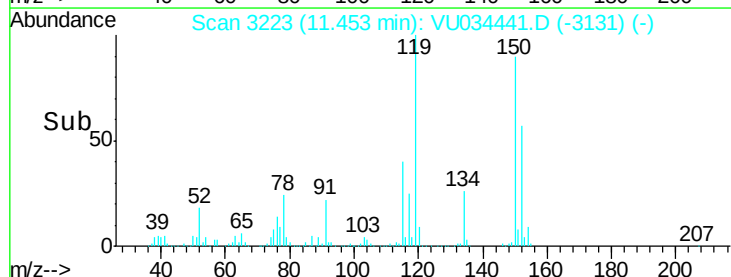
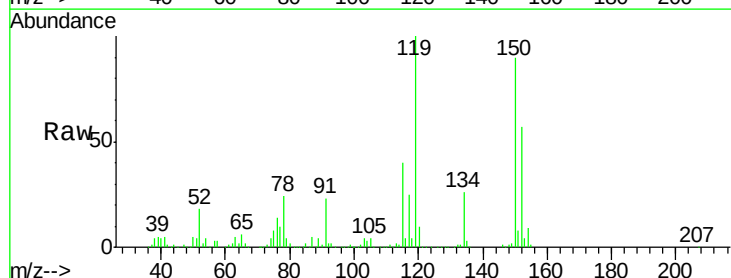
Tgt Ion:119 Resp: 306272

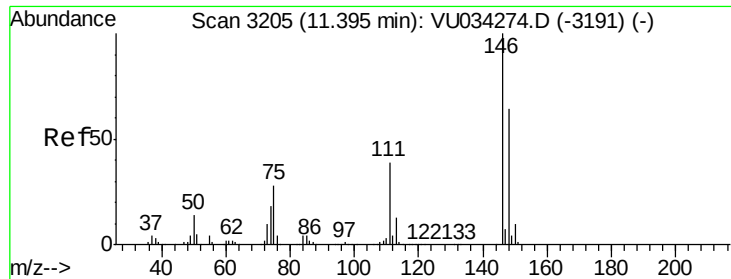
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.8 11.2 33.6





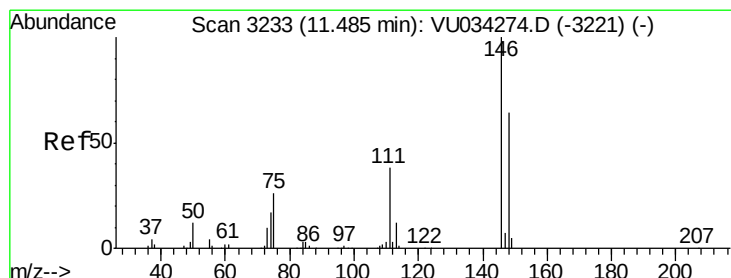
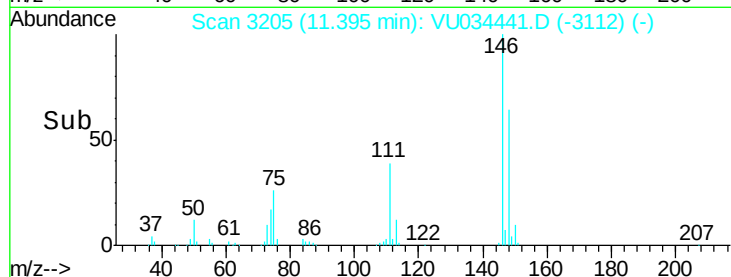
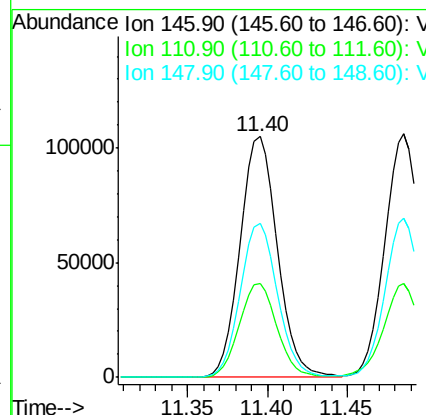
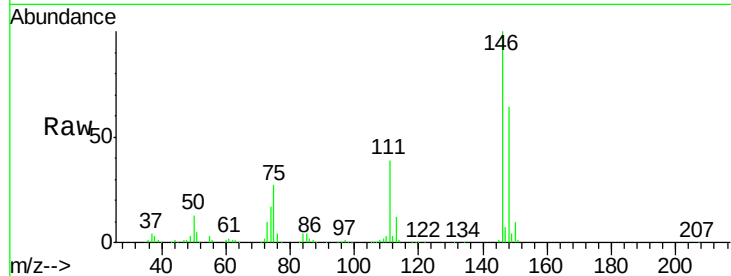
#87
 1,3-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampled :
 VU0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166913		
111	39.3	19.5	58.5	
148	64.1	32.1	96.3	

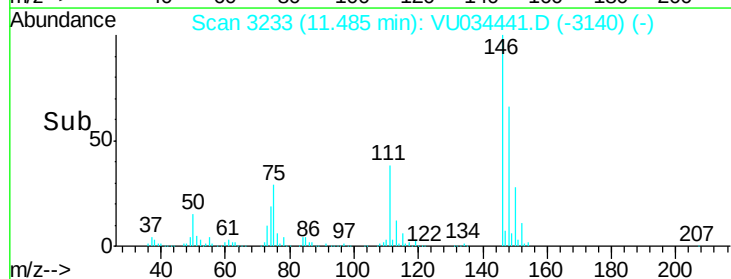
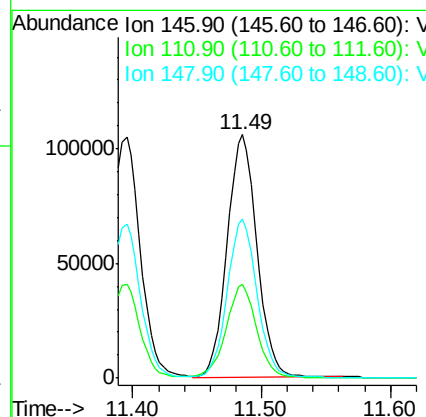
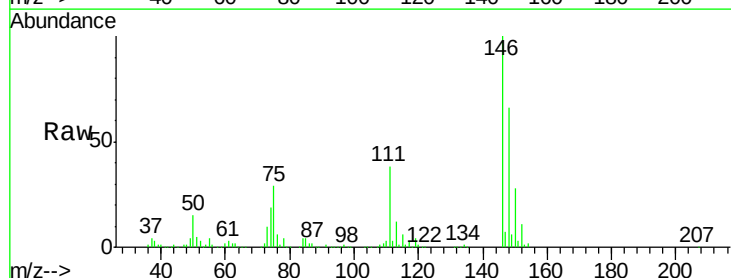
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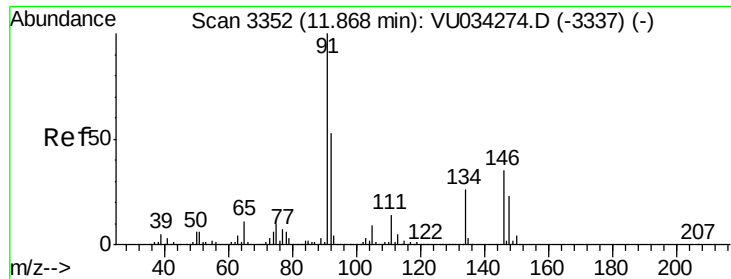
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#88
 1,4-Dichlorobenzene
 Concen: 20.451 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169723		
111	39.3	19.1	57.3	
148	65.3	32.0	96.0	





#89

n-Butylbenzene

Concen: 20.748 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Instrument :

MSVOA_U

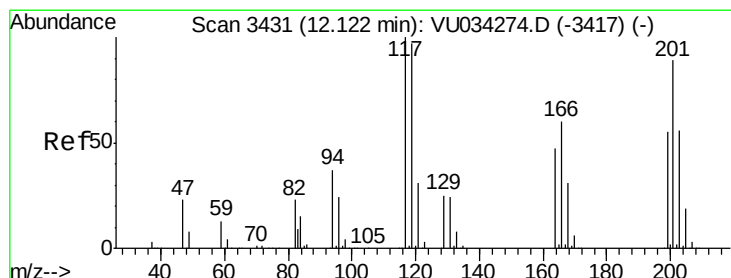
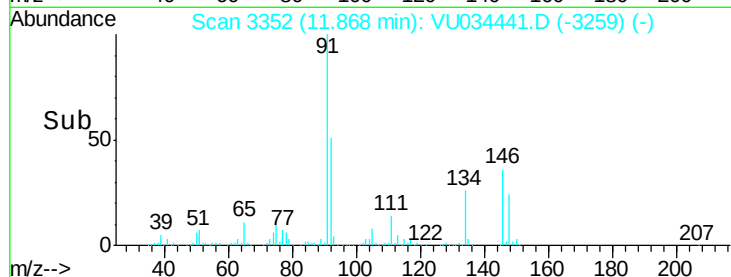
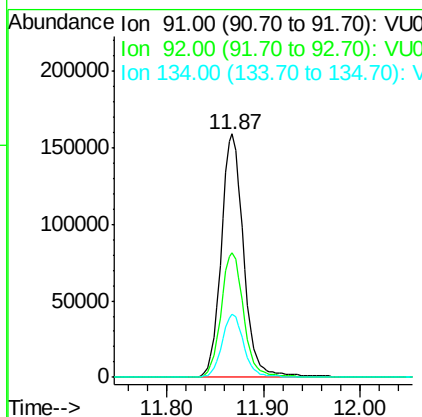
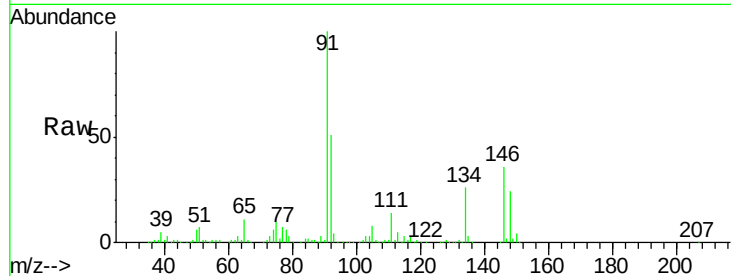
ClientSampleId :

VU0910WBS01

Tot Ion:	91	Resp:	256336
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.5	79.4
134	25.5	13.2	39.6

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#90

Hexachloroethane

Concen: 21.073 ug/l

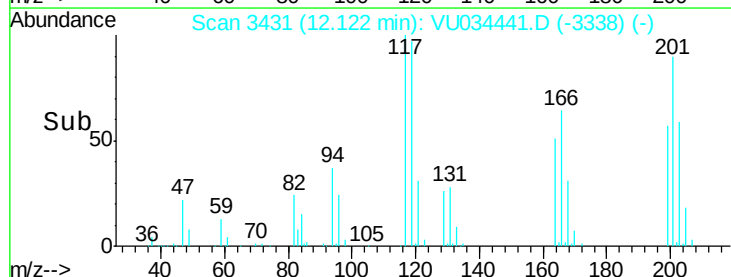
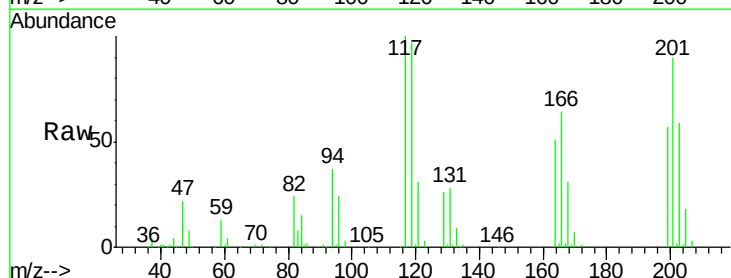
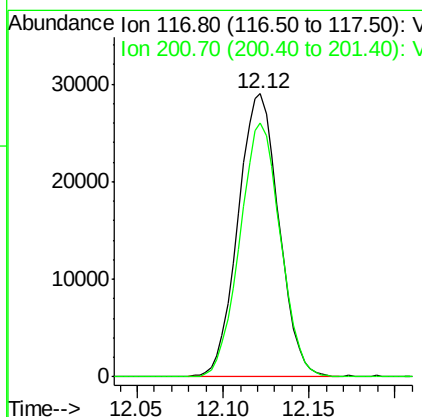
RT: 12.12 min Scan# 3431

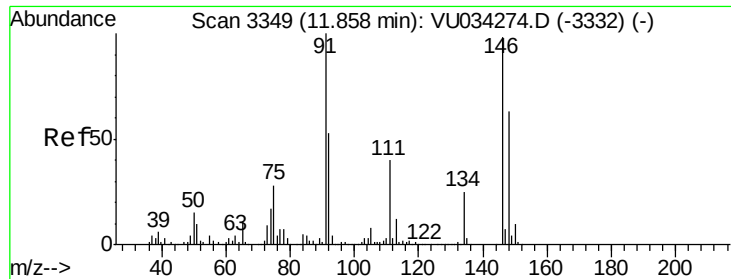
Delta R.T. 0.00 min

Lab File: VU034441.D

Acq: 10 Sep 2019 11:19

Tgt Ion:	117	Resp:	47931
Ion	Ratio	Lower	Upper
117	100		
201	88.7	44.1	132.4





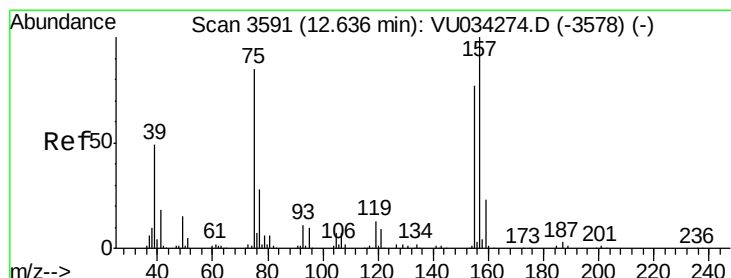
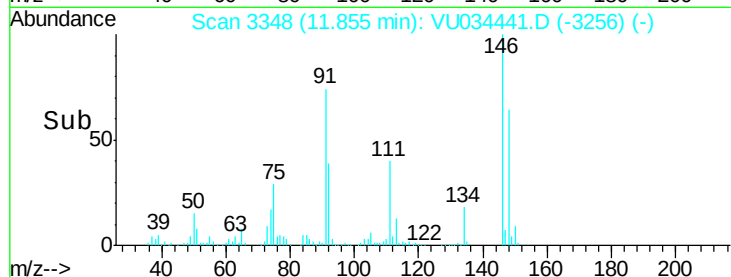
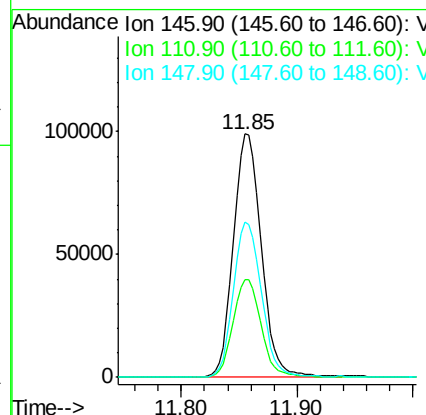
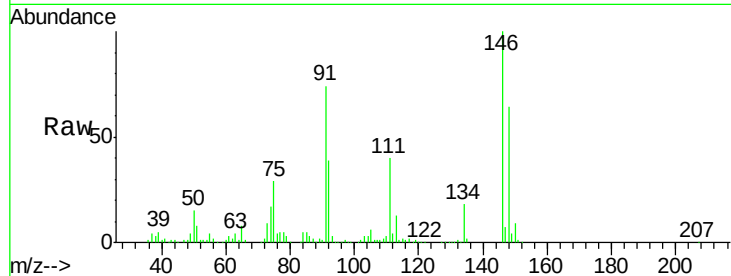
#91
 1,2-Dichlorobenzene
 Concen: 20.978 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampled :
 VU0910WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.5	31.6	94.8

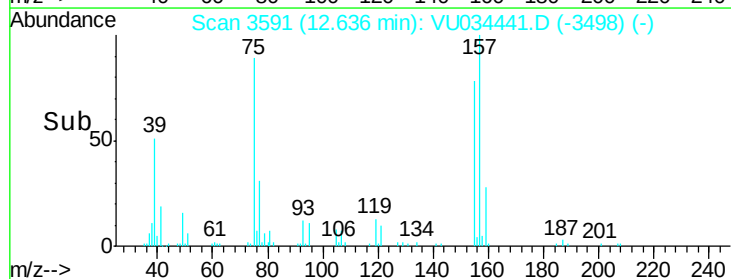
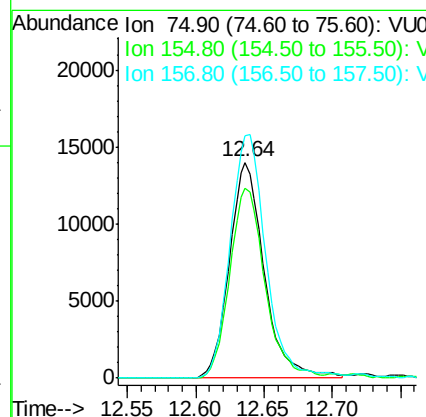
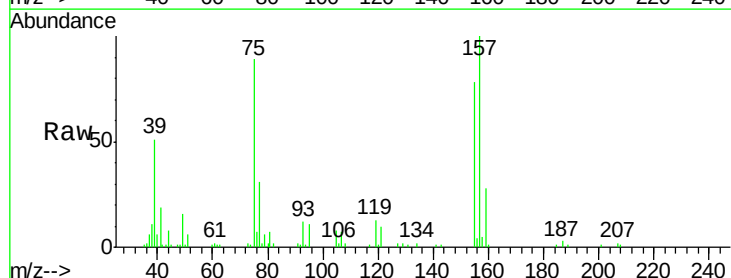
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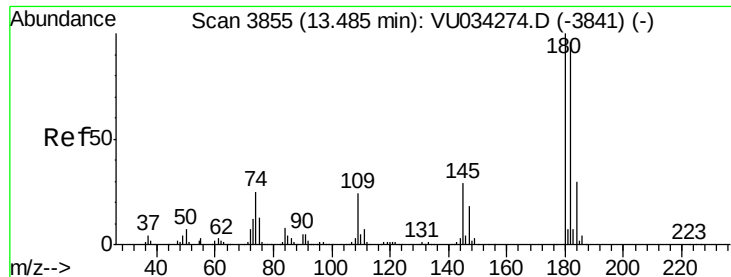
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.485 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	44.6	134.0
157	115.3	58.2	174.6





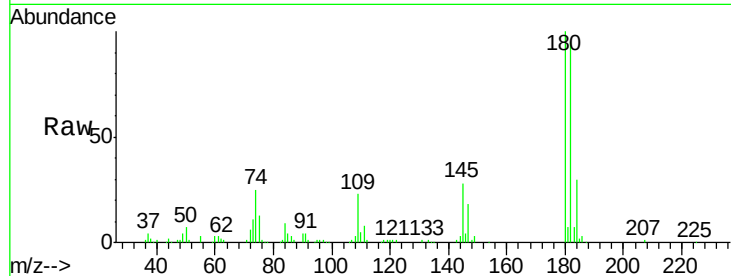
#93
 1,2,4-Trichlorobenzene
 Concen: 20.219 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0910WBS01

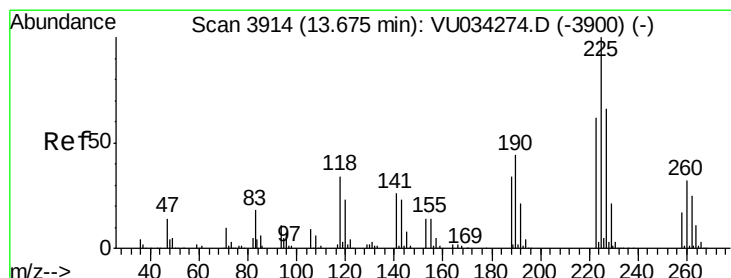
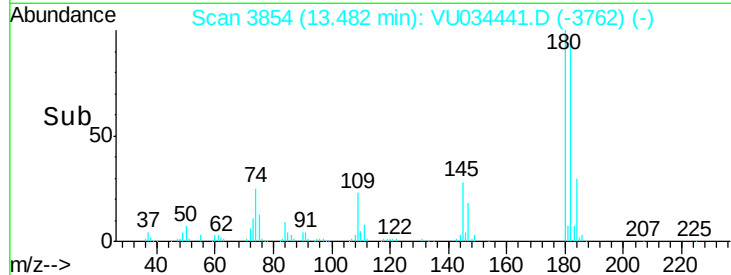
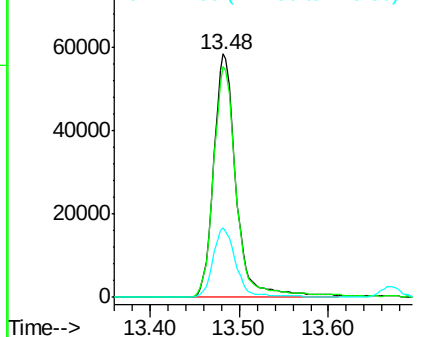
Tot Ion	Ratio	Resp	Lower	Upper
180	100	102140		
182	94.4	47.9	143.8	
145	29.1	14.4	43.0	

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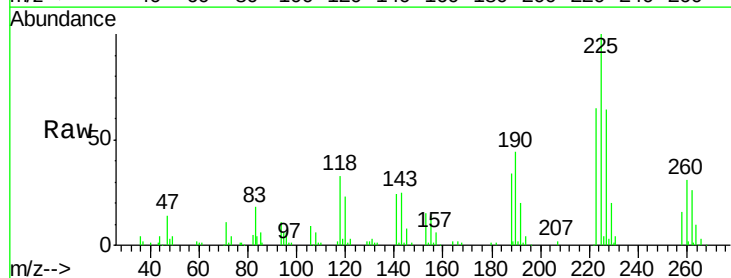


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

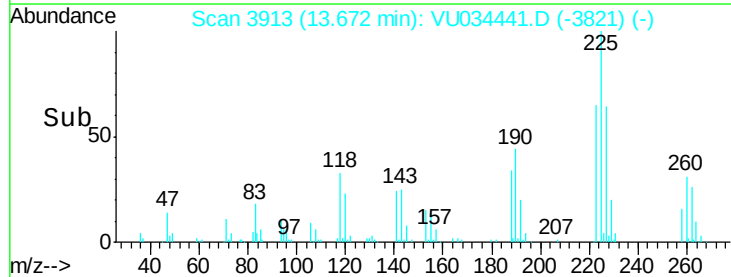
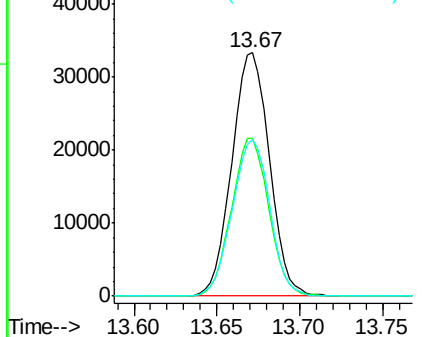


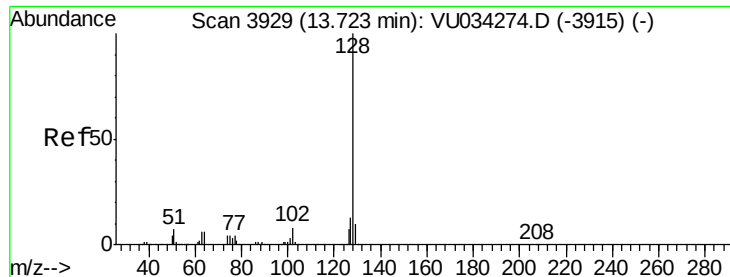
#94
 Hexachlorobutadiene
 Concen: 19.285 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034441.D
 Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52749		
223	64.3	31.6	94.7	
227	64.2	32.3	96.8	



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





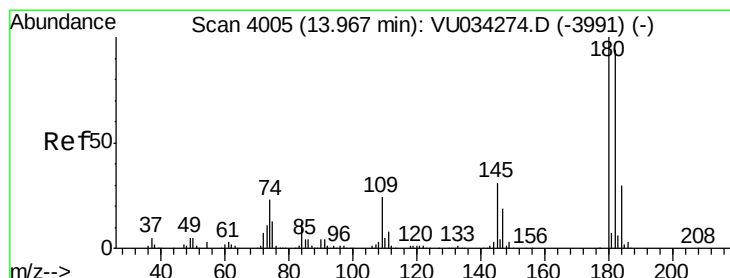
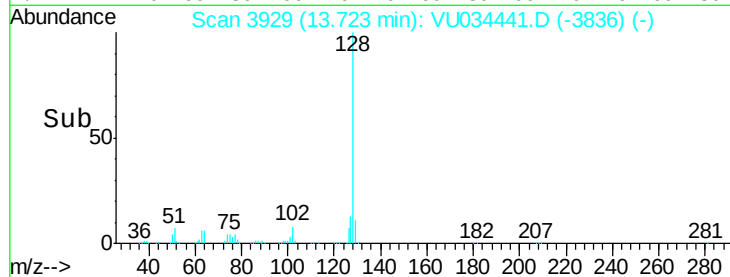
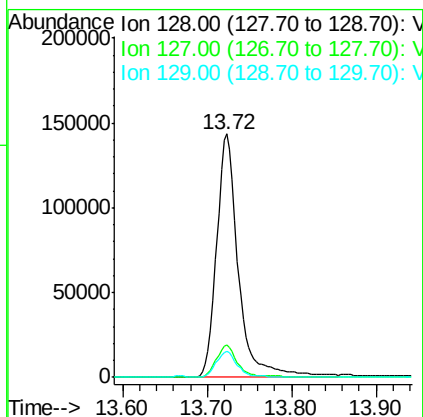
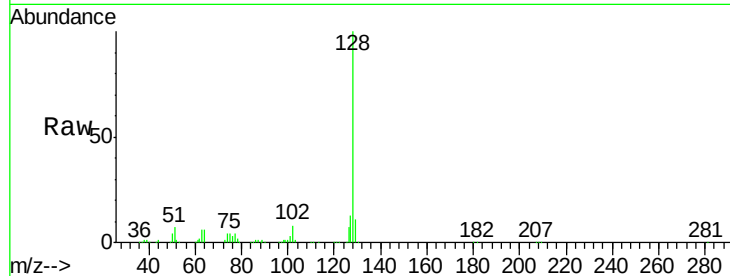
#95
Naphthalene
Concen: 18.937 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VU0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	259683		
127	13.0		10.6	15.8
129	10.3		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/11/2019 1:42:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.448 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034441.D
Acq: 10 Sep 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102987		
182	93.2		48.4	145.0
145	30.9		15.4	46.4

