

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034104.D
 Acq On : 30 Aug 2019 17:27
 Operator : JC/SP
 Sample : VU0831MBSD01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:59 AM

Quant Time: Aug 31 04:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	451770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	730292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	682365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	354913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	281683	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	4.86	113	237660	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	7.55	98	925865	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	10.29	95	345423	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85679	18.857	ug/l	100
3) Chloromethane	1.32	50	104776	15.839	ug/l	98
4) Vinyl Chloride	1.40	62	110380	18.253	ug/l	96
5) Bromomethane	1.62	94	58794	16.281	ug/l	97
6) Chloroethane	1.69	64	68034	18.402	ug/l	97
7) Trichlorofluoromethane	1.88	101	132265	18.876	ug/l	100
8) Diethyl Ether	2.09	74	60046	20.032	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.27	101	84255	18.981	ug/l	99
10) Methyl Iodide	2.40	142	57943	9.202	ug/l	99
11) Tert butyl alcohol	2.81	59	119018	89.158	ug/l	99
12) 1,1-Dichloroethene	2.27	96	88748	19.623	ug/l	95
13) Acrolein	2.18	56	40690	72.459	ug/l	95
14) Allyl chloride	2.58	41	163020m	19.171	ug/l	
15) Acrylonitrile	2.92	53	295942	96.612	ug/l	100
16) Acetone	2.31	43	248796	84.233	ug/l	98
17) Carbon Disulfide	2.46	76	248417	17.355	ug/l	100
18) Methyl Acetate	2.60	43	137767	18.049	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	304533	20.551	ug/l	100
20) Methylene Chloride	2.68	84	105200	18.814	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	95599	19.477	ug/l	98
22) Diisopropyl ether	3.55	45	317934	20.404	ug/l	97
23) Vinyl Acetate	3.50	43	1334824	99.724	ug/l	100
24) 1,1-Dichloroethane	3.43	63	181449	19.724	ug/l	99
25) 2-Butanone	4.24	43	392592	95.537	ug/l	99
26) 2,2-Dichloropropane	4.20	77	139112	18.584	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	109307	19.840	ug/l	99
28) Bromochloromethane	4.52	49	85661	18.900	ug/l	99
29) Tetrahydrofuran	4.61	42	252273	99.547	ug/l	99
30) Chloroform	4.65	83	177397	19.328	ug/l	98
31) Cyclohexane	4.97	56	158793	18.370	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	148025	19.692	ug/l	98
36) 1,1-Dichloropropene	5.12	75	129745	18.783	ug/l	99
37) Ethyl Acetate	4.36	43	146129	18.891	ug/l	98
38) Carbon Tetrachloride	5.11	117	121903	18.283	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	134355	16.502	ug/l	99
40) Benzene	5.37	78	403140	19.290	ug/l	100
41) Methacrylonitrile	4.52	41	77062	19.425	ug/l	98
42) 1,2-Dichloroethane	5.38	62	136593	18.927	ug/l	98
43) Isopropyl Acetate	5.53	43	226658	19.260	ug/l	100
44) Trichloroethene	6.17	130	108210	19.717	ug/l	98
45) 1,2-Dichloropropane	6.41	63	108813	18.914	ug/l	99
46) Dibromomethane	6.54	93	70558	19.036	ug/l	100
47) Bromodichloromethane	6.74	83	135380	18.669	ug/l	99
48) Methyl methacrylate	6.60	41	105254	18.535	ug/l	97
49) 1,4-Dioxane	6.59	88	47326	332.617	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	757274	93.179	ug/l	100
52) Toluene	7.62	92	253403	19.683	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	150280	18.677	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	168076	19.120	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	100955	18.538	ug/l	97
56) Ethyl methacrylate	8.00	69	157026	18.017	ug/l	99
57) 1,3-Dichloropropane	8.22	76	175746	19.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	282155	93.654	ug/l	98
59) 2-Hexanone	8.34	43	568229	92.617	ug/l	99
60) Dibromochloromethane	8.46	129	105958	18.126	ug/l	99
61) 1,2-Dibromoethane	8.57	107	106278	18.526	ug/l	98
64) Tetrachloroethene	8.21	164	92962	20.286	ug/l	98
65) Chlorobenzene	9.10	112	277720	19.777	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	96221	18.897	ug/l	98
67) Ethyl Benzene	9.23	91	474983	19.954	ug/l	100
68) m/p-Xylenes	9.36	106	363352	40.144	ug/l	100
69) o-Xylene	9.76	106	174490	20.094	ug/l	100
70) Styrene	9.77	104	304552	20.455	ug/l	100
71) Bromoform	9.94	173	79942	18.070	ug/l #	99
73) Isopropylbenzene	10.15	105	461191	19.346	ug/l	100
74) N-amyl acetate	10.00	43	197262	19.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.44	83	172322	18.886	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	144299m	18.039	ug/l	
77) Bromobenzene	10.43	156	125091	19.506	ug/l	100
78) n-propylbenzene	10.57	91	525905	18.943	ug/l	99
79) 2-Chlorotoluene	10.64	91	325067	19.521	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	385897	19.099	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	43616m	18.360	ug/l	
82) 4-Chlorotoluene	10.76	91	377796	19.727	ug/l	100
83) tert-Butylbenzene	11.08	119	354305	17.813	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	390124	19.444	ug/l	99
85) sec-Butylbenzene	11.31	105	405700	17.018	ug/l	99
86) p-Isopropyltoluene	11.46	119	373411	17.319	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	219186	19.306	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	220780	19.229	ug/l	99
89) n-Butylbenzene	11.87	91	317079	16.680	ug/l	99
90) Hexachloroethane	12.12	117	53848	14.445	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	215365	19.803	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33193	18.260	ug/l	98

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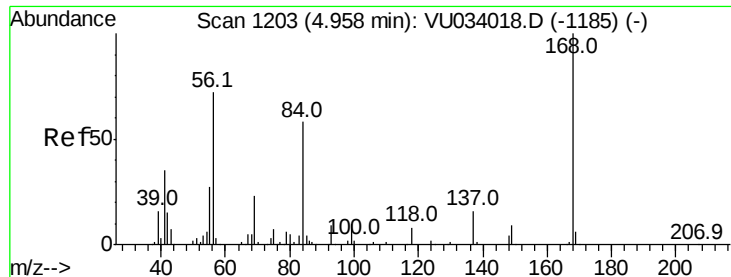
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	136248	18.335	ug/l	98
94) Hexachlorobutadiene	13.67	225	51287	12.055	ug/l	100
95) Naphthalene	13.73	128	455456	21.613	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	138605	19.895	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: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion:168 Resp: 451770

Ion Ratio Lower Upper

168 100

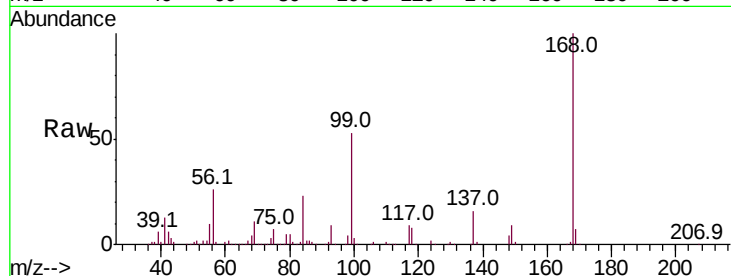
99 53.0 42.3 63.5

Manual Integrations

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

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

4.96

200000

150000

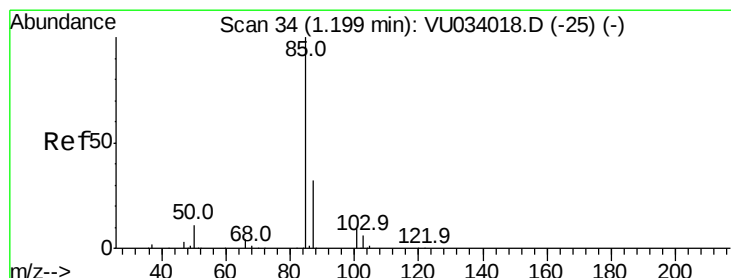
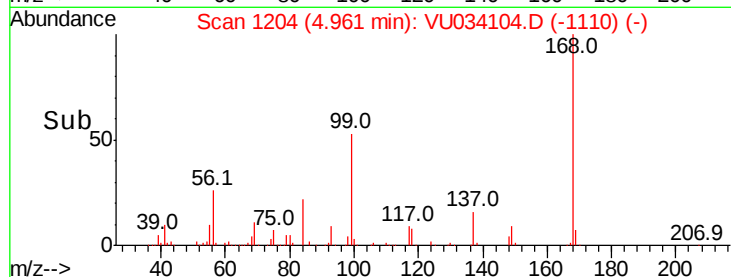
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50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.857 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034104.D

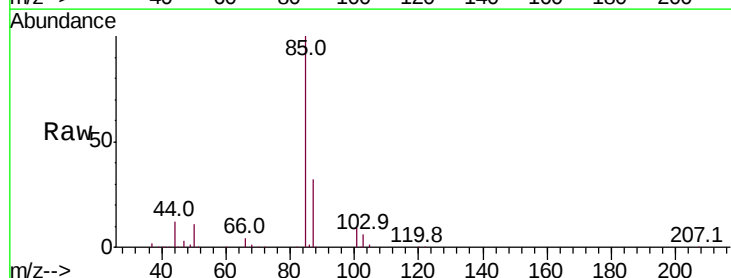
Acq: 30 Aug 2019 17:27

Tgt Ion: 85 Resp: 85679

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



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

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

1.20

100000

80000

60000

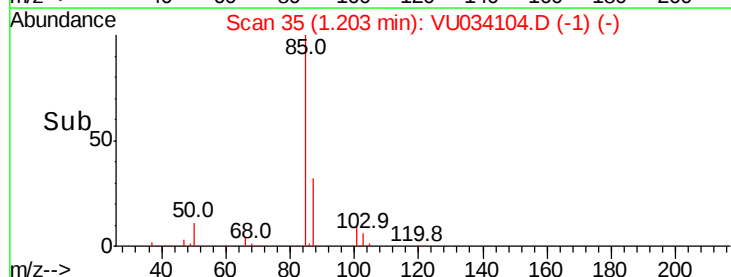
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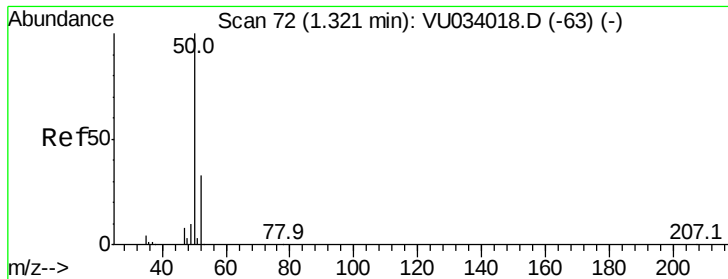
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.839 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 50 Resp: 104776

Ion Ratio Lower Upper

50 100

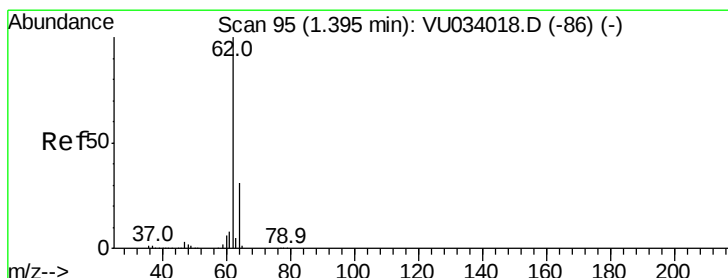
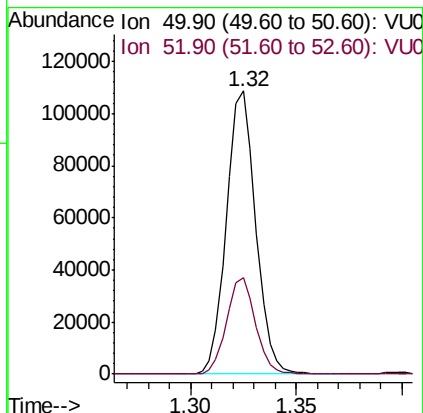
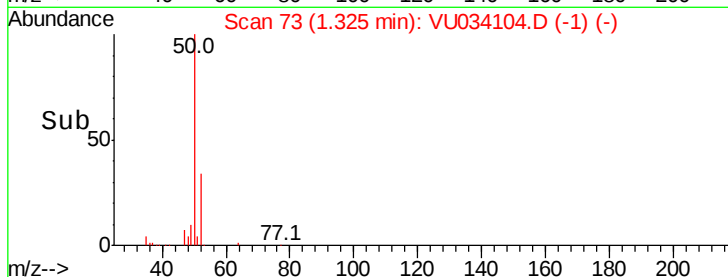
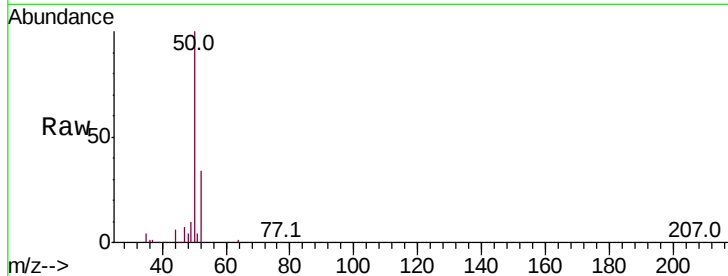
52 34.0 26.2 39.4

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#4

Vinyl Chloride

Concen: 18.253 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034104.D

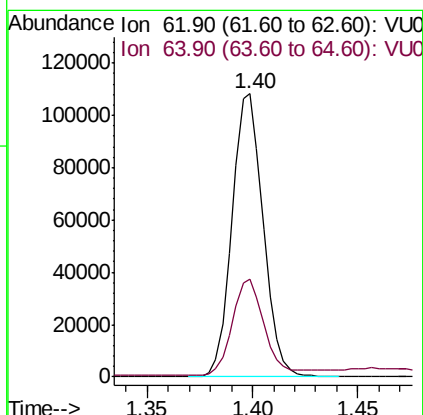
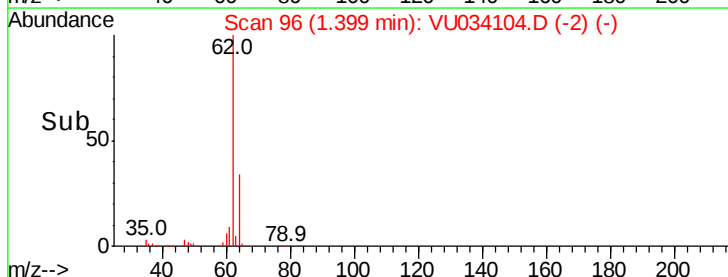
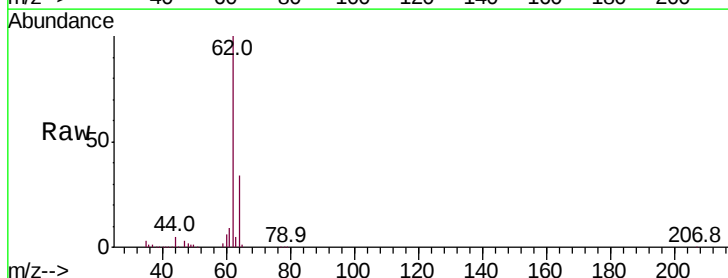
Acq: 30 Aug 2019 17:27

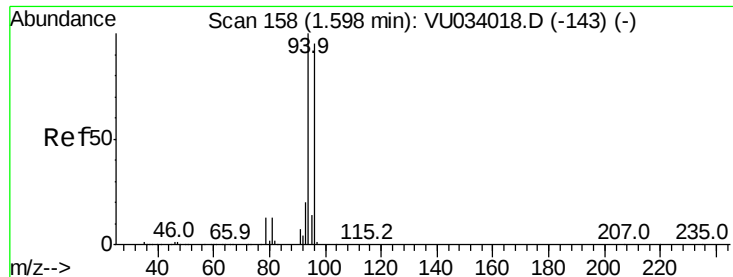
Tgt Ion: 62 Resp: 110380

Ion Ratio Lower Upper

62 100

64 33.7 25.0 37.6





#5

Bromomethane

Concen: 16.281 ug/l

RT: 1.62 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 94 Resp: 58794

Ion Ratio Lower Upper

94 100

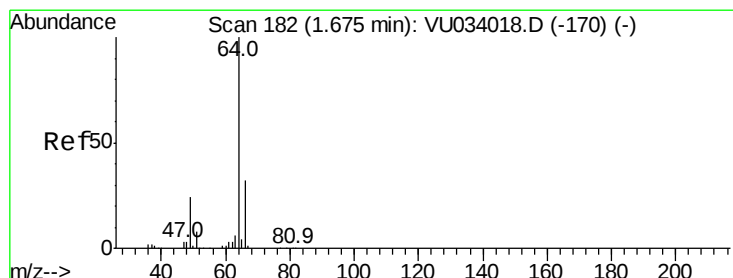
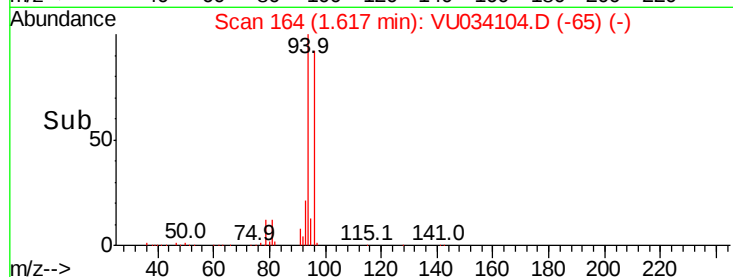
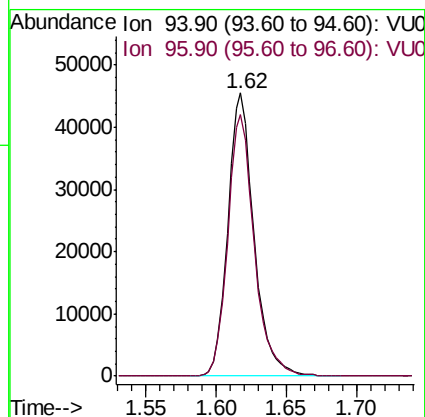
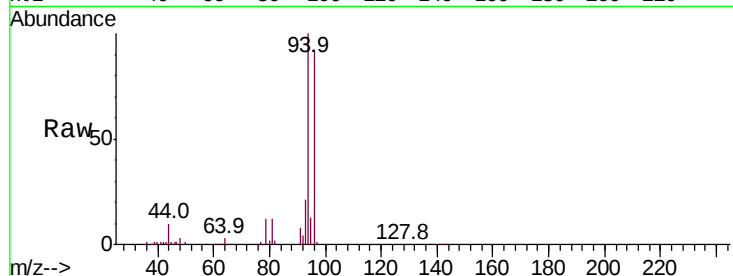
96 92.4 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 18.402 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.02 min

Lab File: VU034104.D

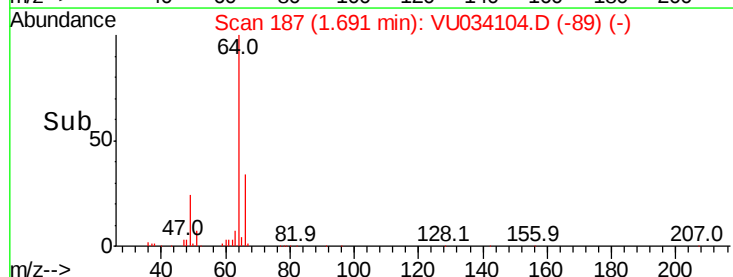
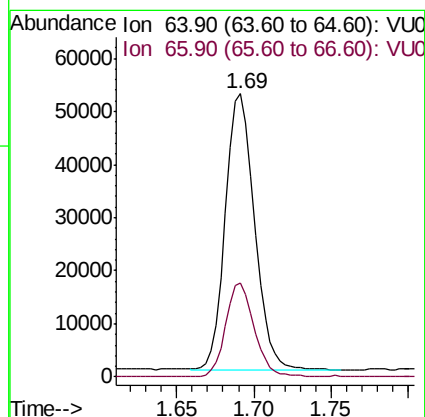
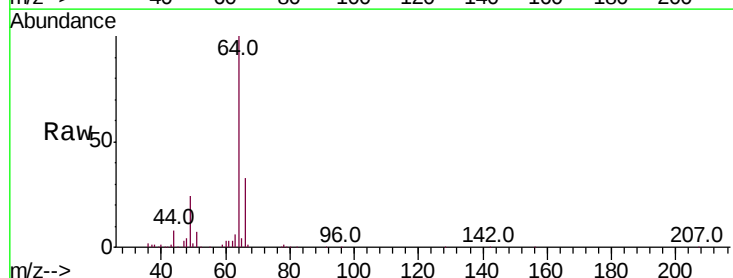
Acq: 30 Aug 2019 17:27

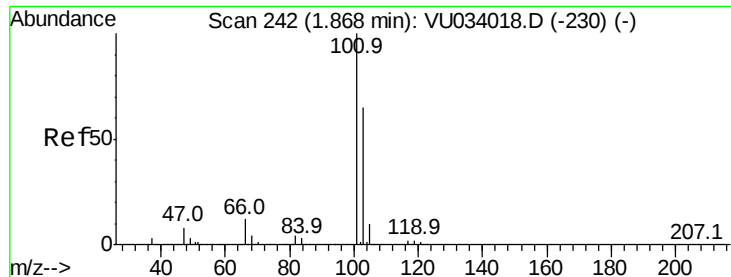
Tgt Ion: 64 Resp: 68034

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3





#7

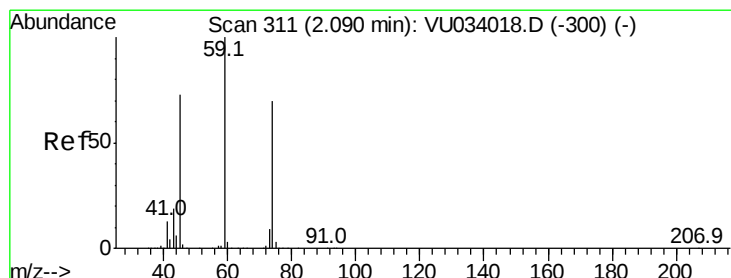
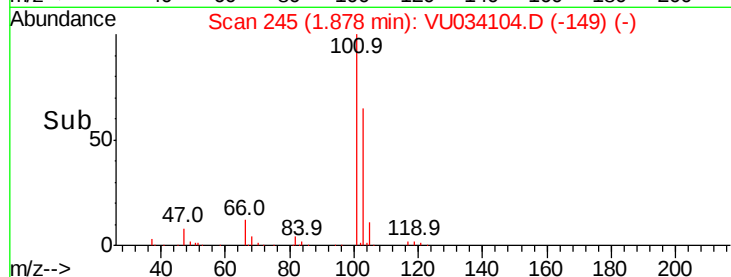
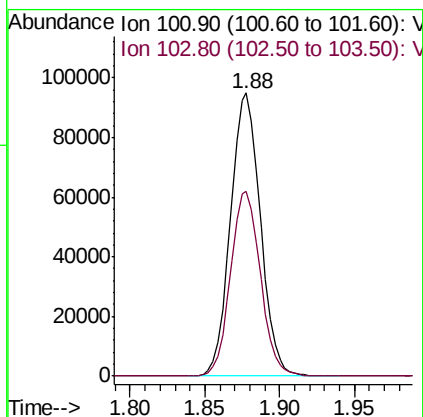
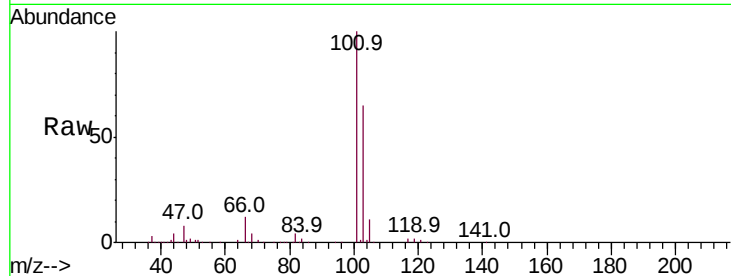
Trichlorofluoromethane
 Concen: 18.876 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

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 VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

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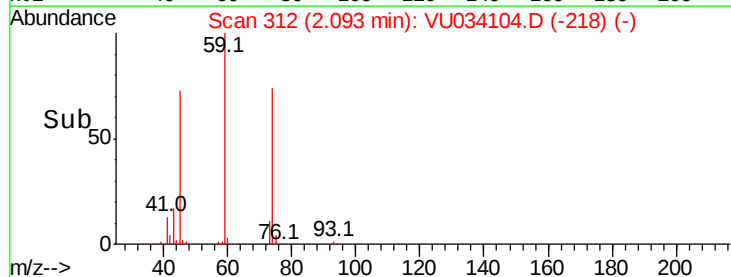
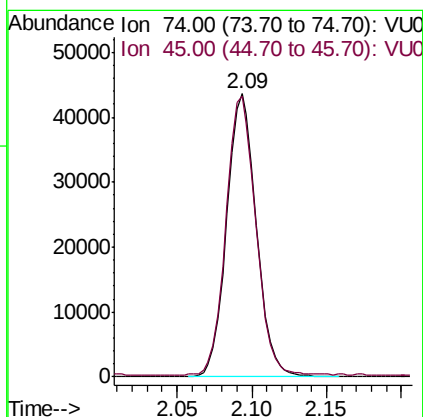
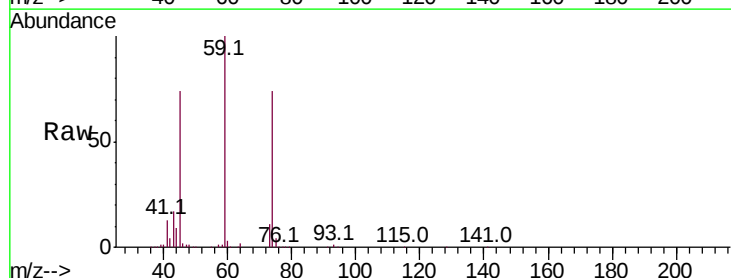
MMDadoda
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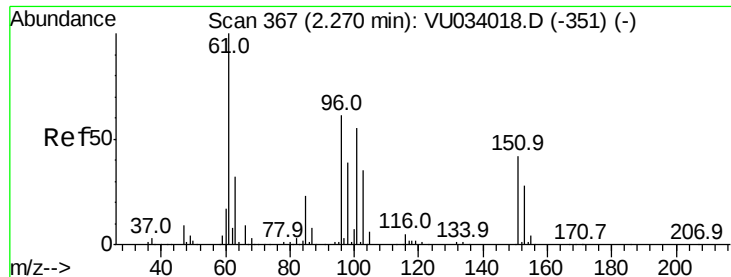


#8

Diethyl Ether
 Concen: 20.032 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.981 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

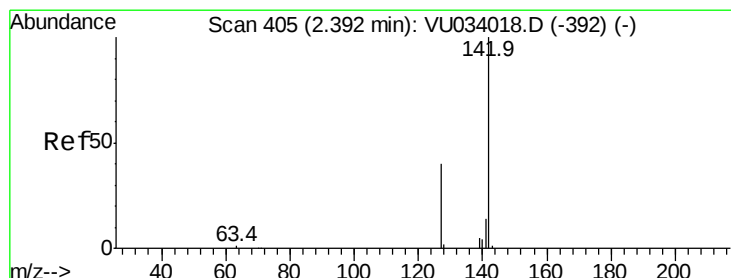
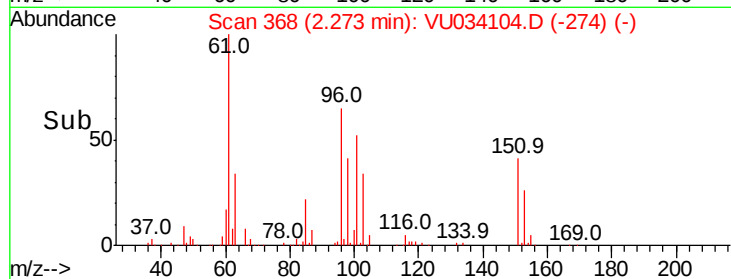
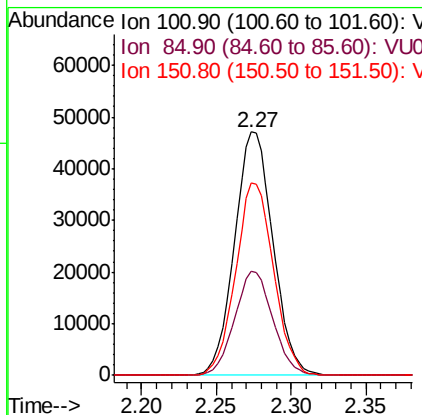
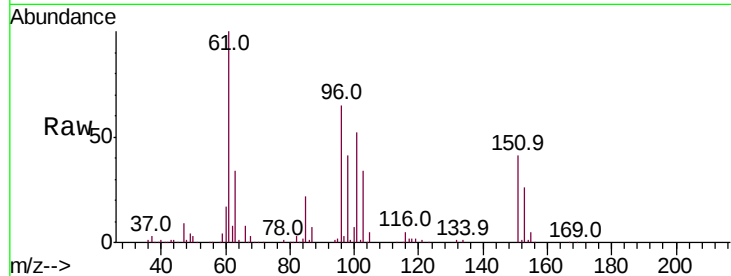
ClientSampleId :

VU0831MBSD01

Tot Ion:	101	Resp:	84255
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	77.9	61.4	92.2

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#10

Methyl Iodide

Concen: 9.202 ug/l

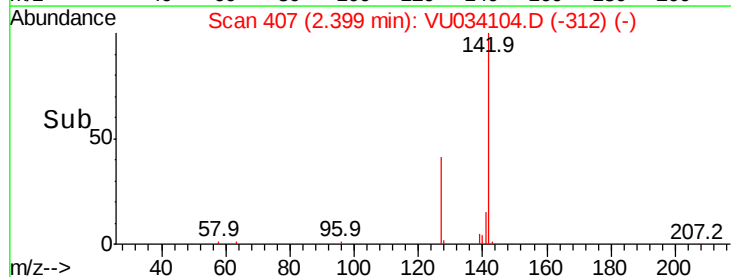
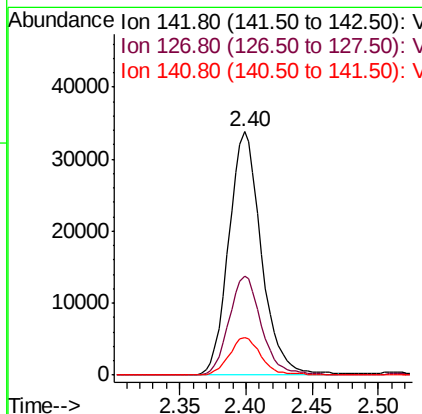
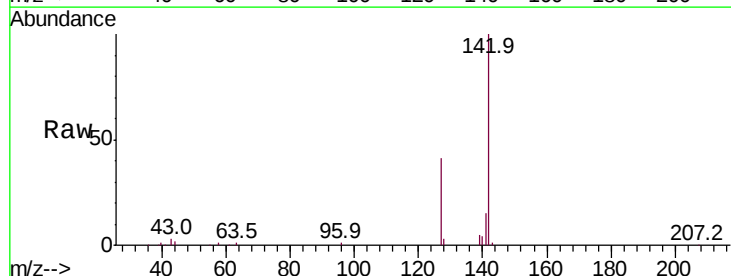
RT: 2.40 min Scan# 407

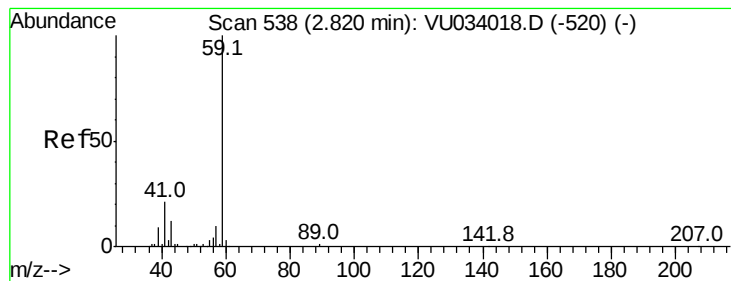
Delta R.T. 0.01 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion:	142	Resp:	57943
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.6	48.8
141	14.9	11.3	16.9





#11

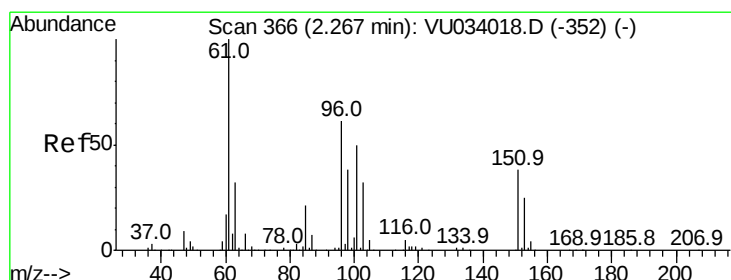
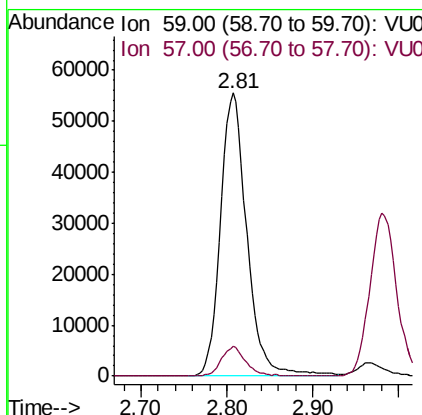
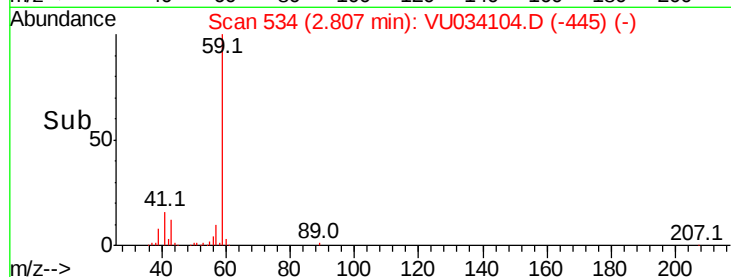
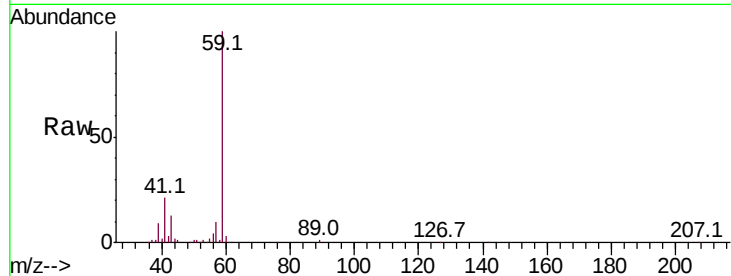
Tert butyl alcohol
 Concen: 89.158 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Tot Ion	59	57	Ratio	100	9.7	Resp	Lower	Upper
119018								
							8.0	12.0

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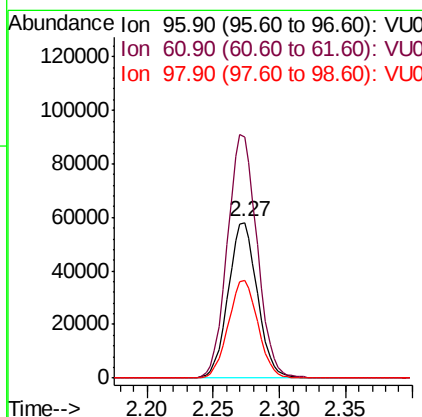
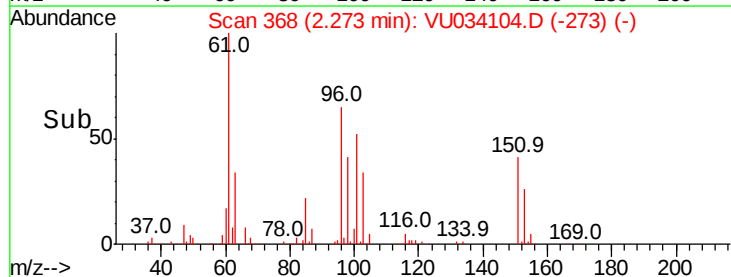
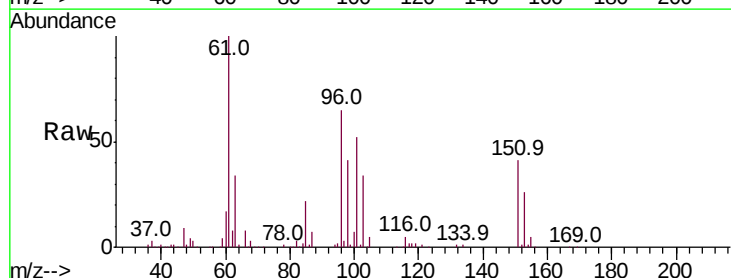
MMDadoda
 8/31/2019 11:24:59 AM

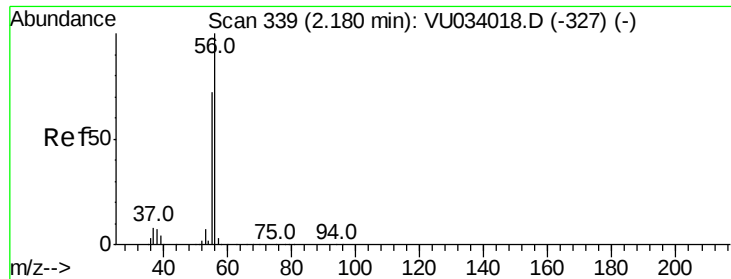


#12

1,1-Dichloroethene
 Concen: 19.623 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion	96	61	98	Ratio	100	154.5	62.7	Resp	Lower	Upper
88748										
									131.3	196.9
									50.3	75.5





#13

Acrolein

Concen: 72.459 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 56 Resp: 40690

Ion Ratio Lower Upper

56 100

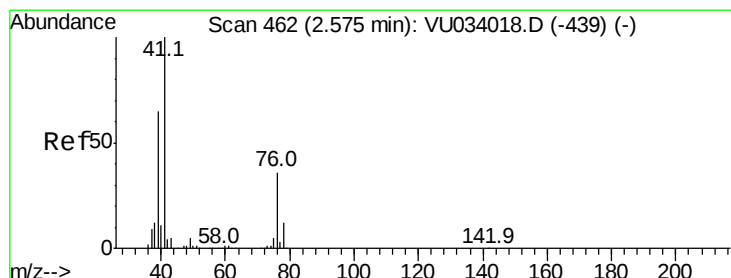
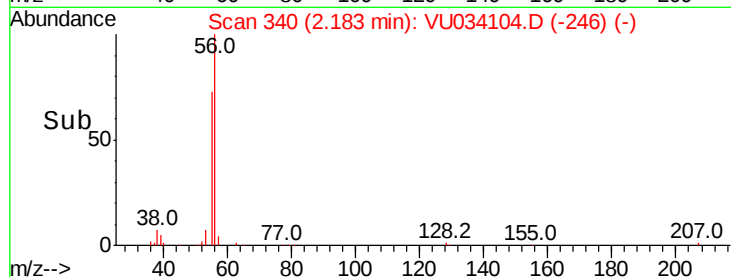
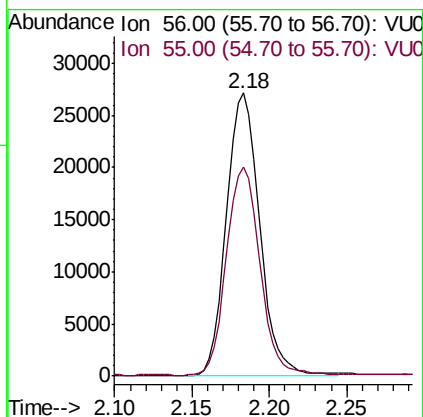
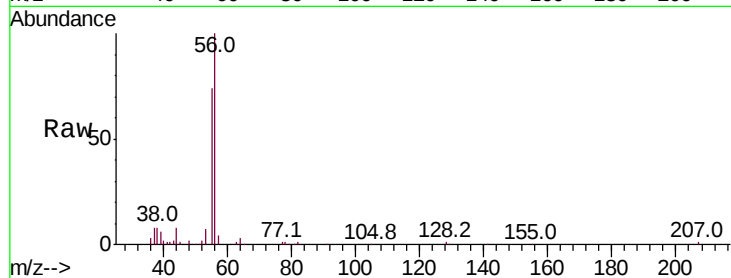
55 75.2 57.1 85.7

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#14

Allyl chloride

Concen: 19.171 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

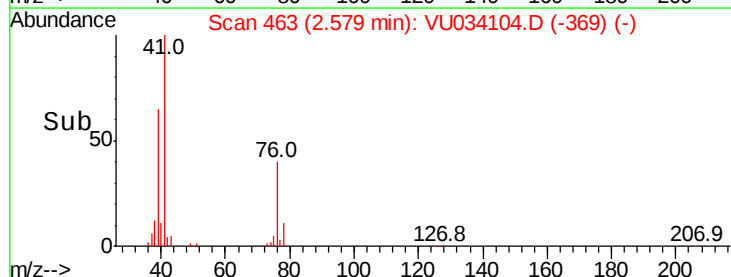
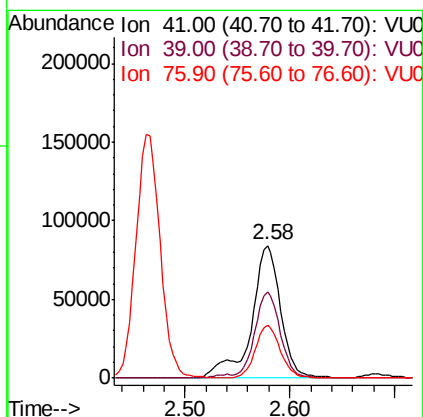
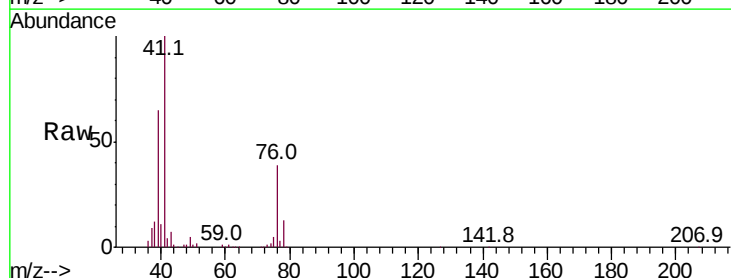
Tgt Ion: 41 Resp: 163020

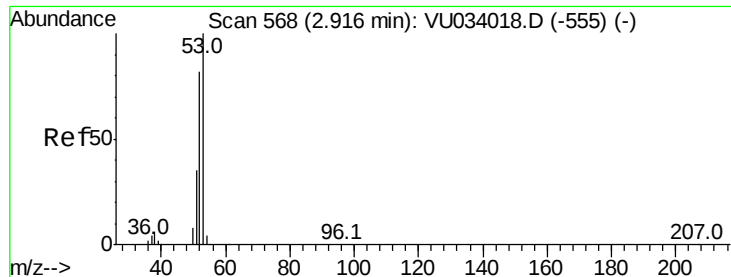
Ion Ratio Lower Upper

41 100

39 58.3 46.8 70.2

76 33.4 26.6 40.0





#15

Acrylonitrile

Concen: 96.612 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

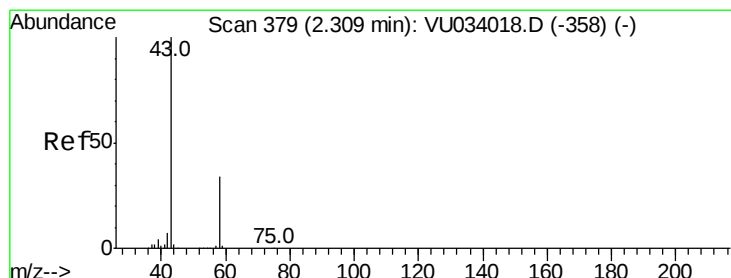
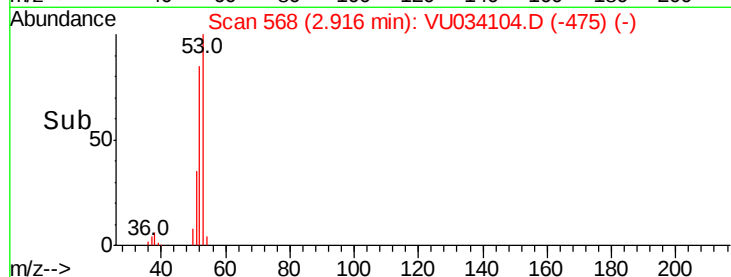
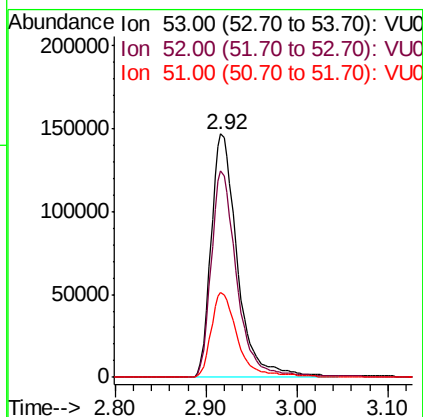
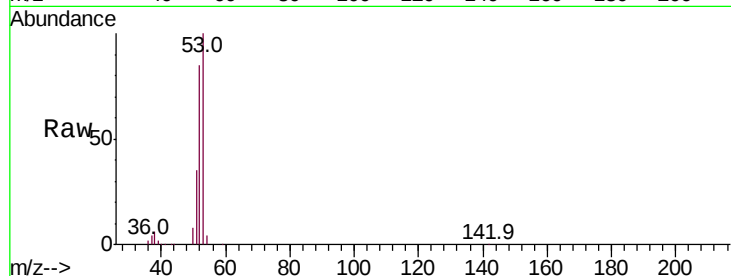
ClientSampleId :

VU0831MBSD01

Tot Ion:	53	Resp:	295942
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.7	98.5
51	35.0	27.9	41.9

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#16

Acetone

Concen: 84.233 ug/l

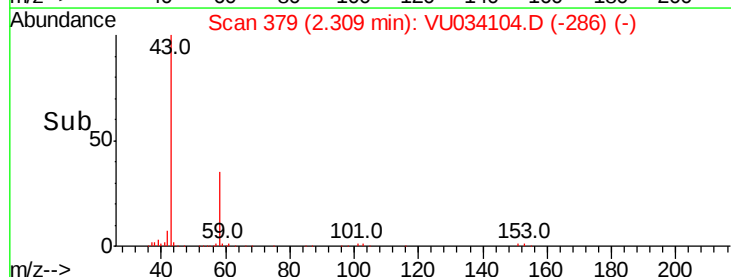
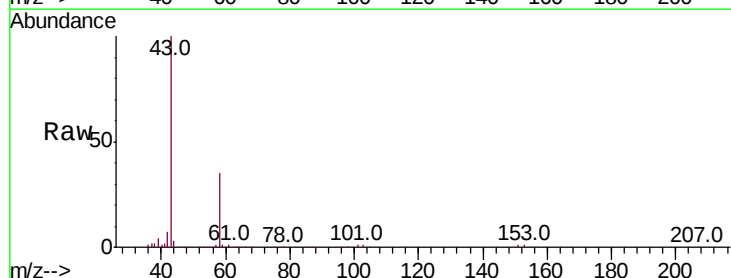
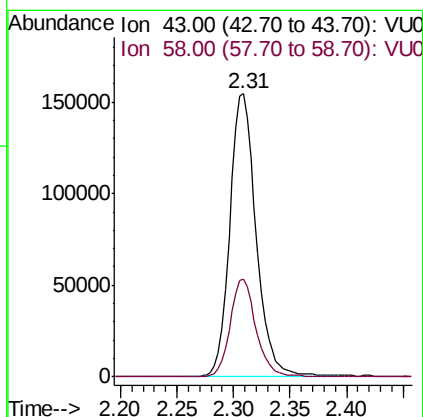
RT: 2.31 min Scan# 379

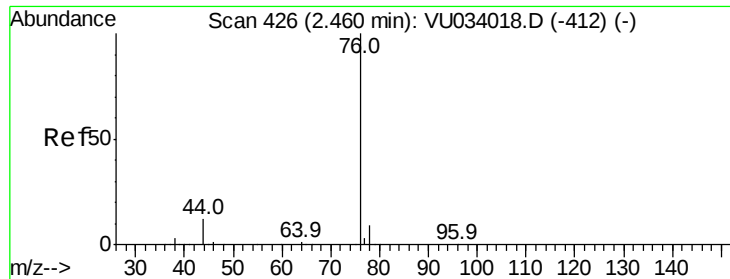
Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion:	43	Resp:	248796
Ion Ratio	Lower	Upper	
43	100		
58	34.8	26.8	40.2





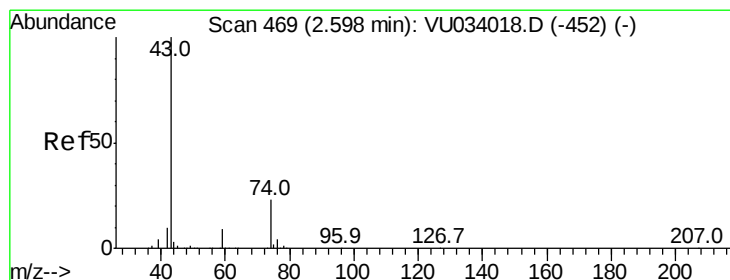
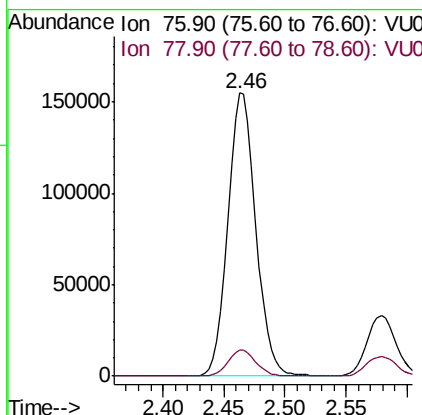
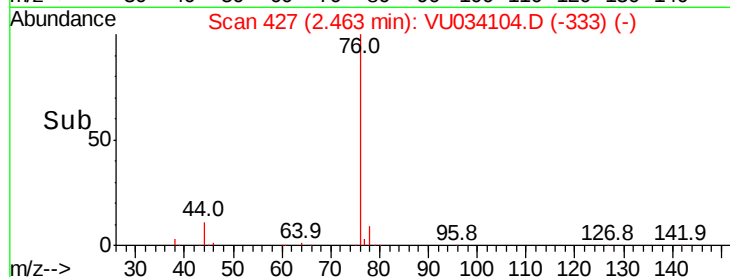
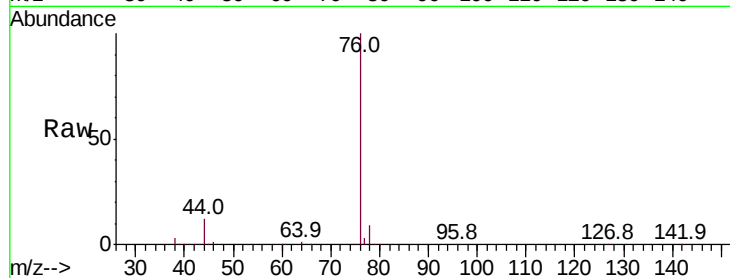
#17
Carbon Disulfide
Concen: 17.355 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

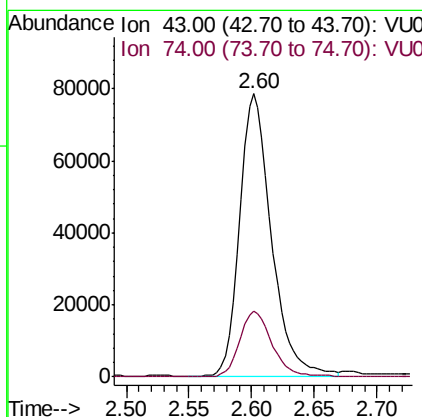
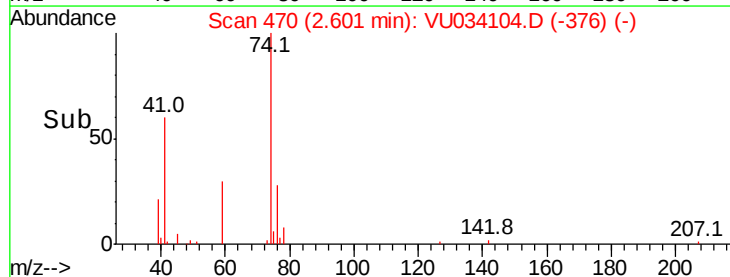
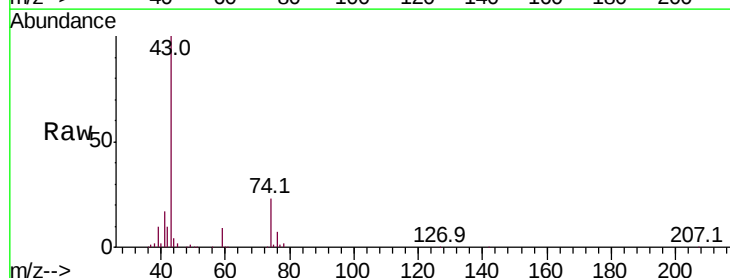
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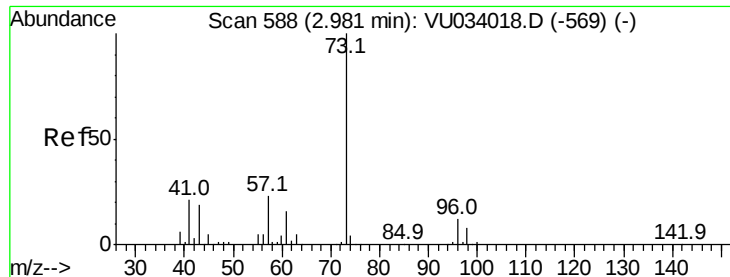
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#18
Methyl Acetate
Concen: 18.049 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8





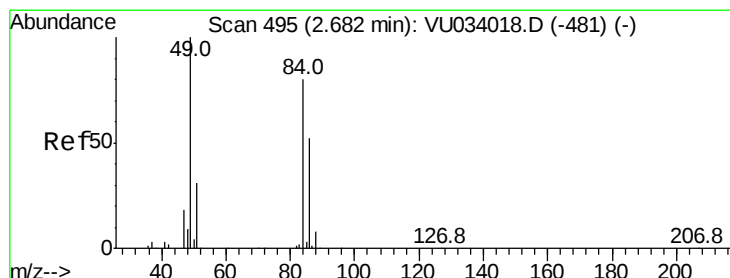
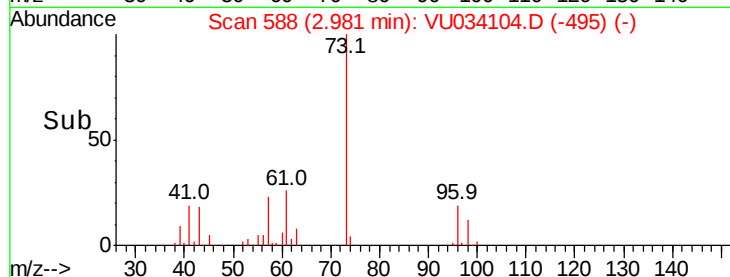
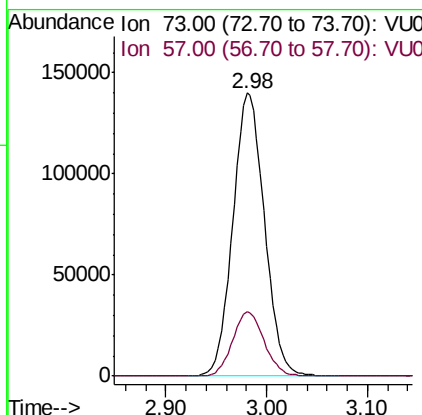
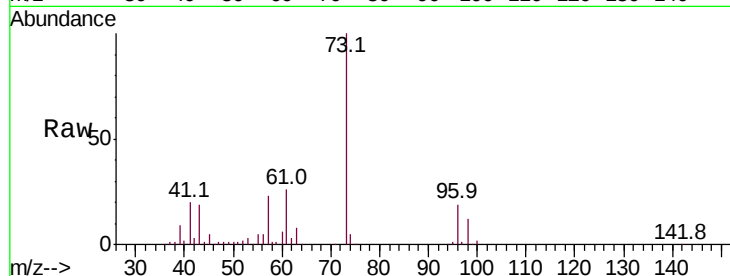
#19
Methyl tert-butyl Ether
Concen: 20.551 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

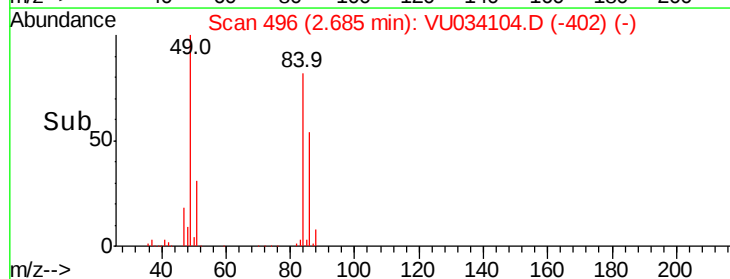
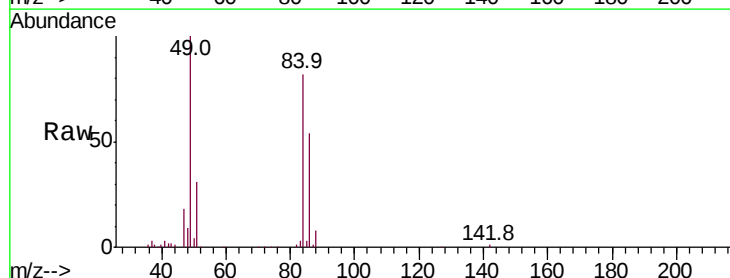
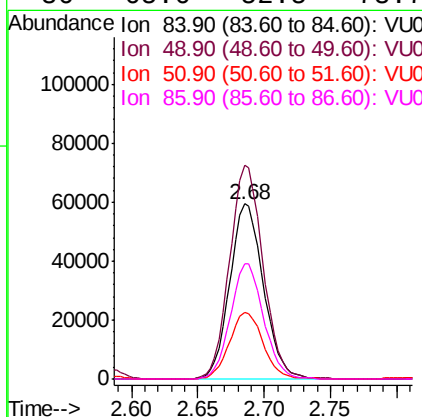
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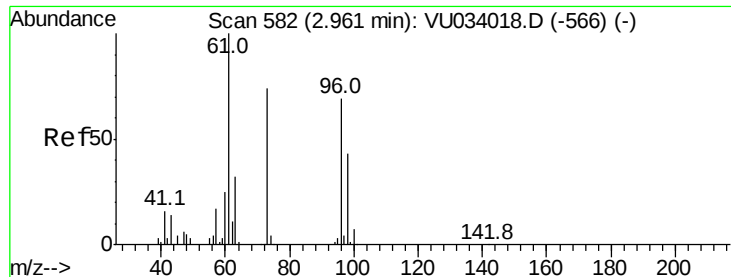
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#20
Methylene Chloride
Concen: 18.814 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	100.2	150.4
51	38.2	30.8	46.2
86	65.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 19.477 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleID :

VU0831MBSD01

Tot Ion: 96 Resp: 95599

Ion Ratio Lower Upper

96 100

61 142.1 115.5 173.3

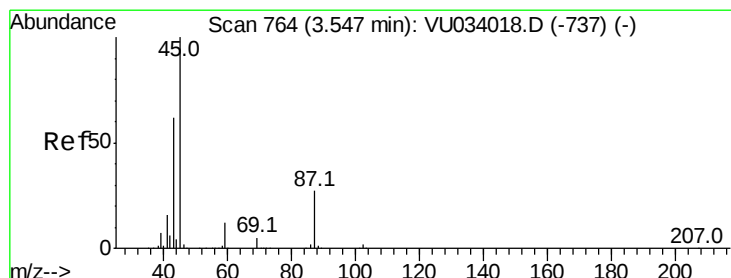
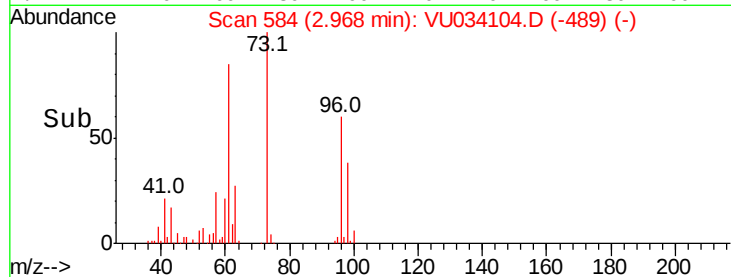
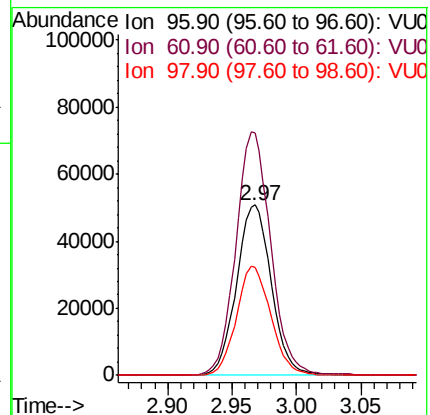
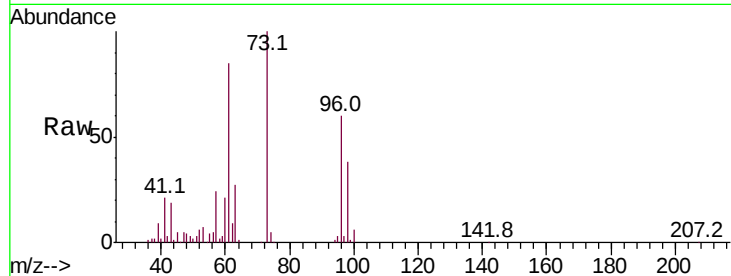
98 63.2 50.1 75.1

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#22

Diisopropyl ether

Concen: 20.404 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion: 45 Resp: 317934

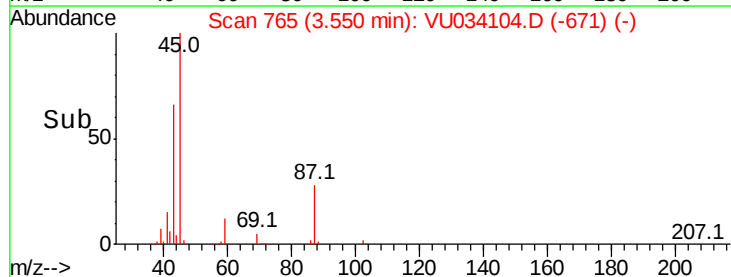
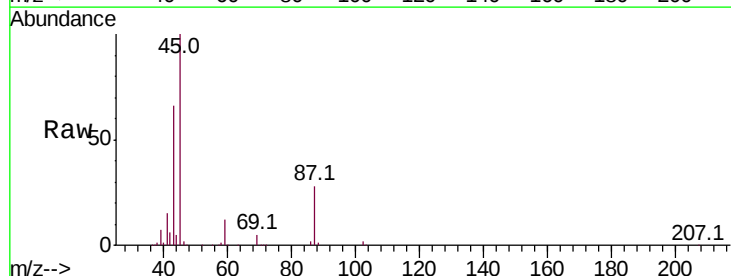
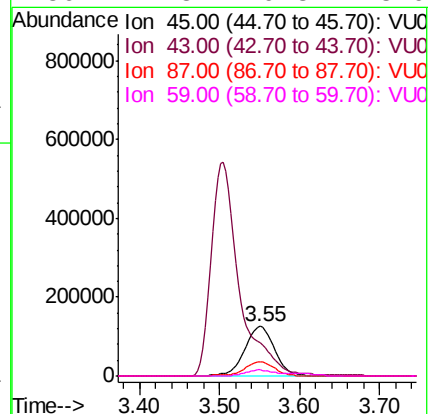
Ion Ratio Lower Upper

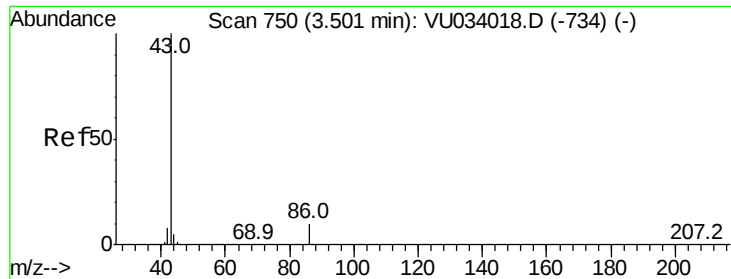
45 100

43 65.8 49.7 74.5

87 27.8 21.8 32.8

59 11.8 9.3 13.9





#23

Vinyl Acetate

Concen: 99.724 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 43 Resp: 1334824

Ion Ratio Lower Upper

43 100

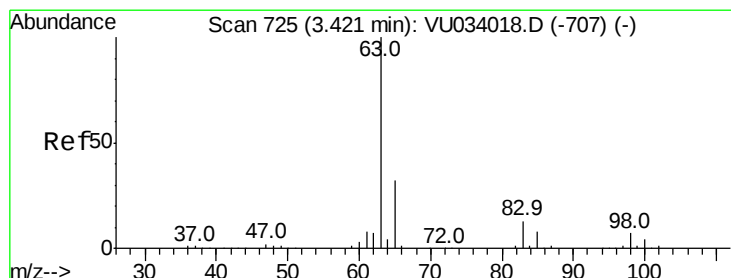
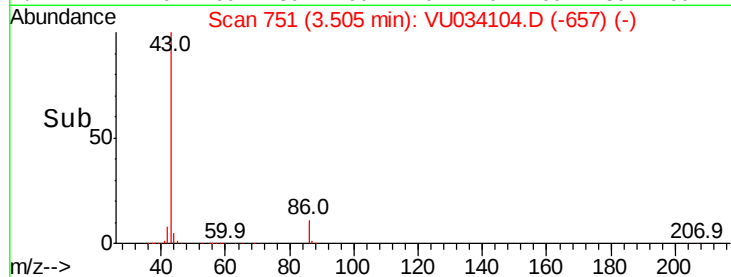
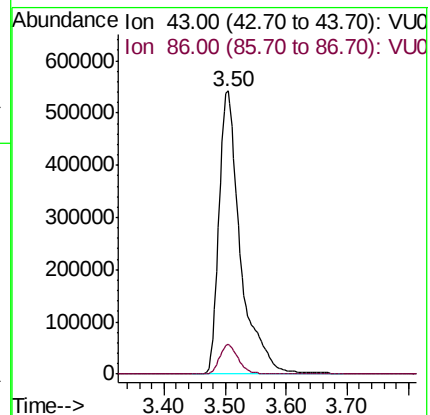
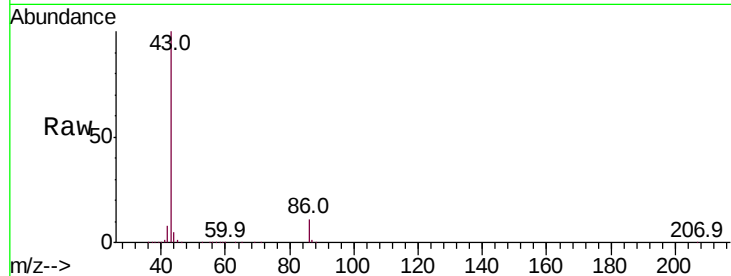
86 10.5 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.724 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

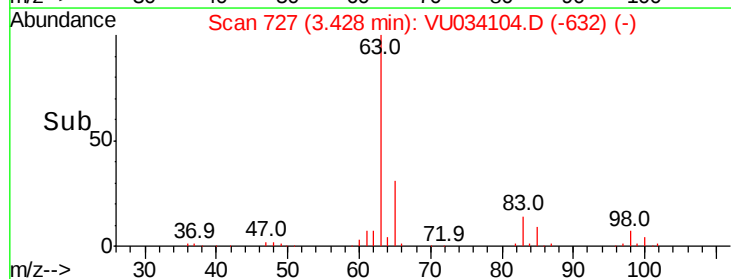
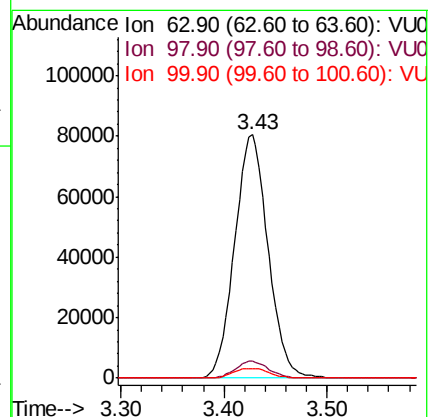
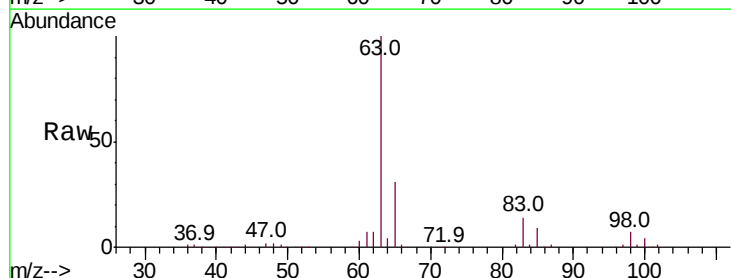
Tgt Ion: 63 Resp: 181449

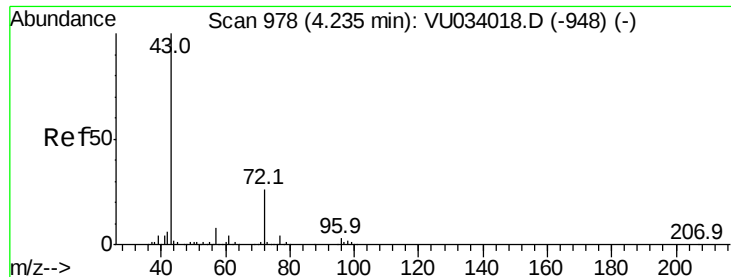
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 95.537 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 43 Resp: 392592

Ion Ratio Lower Upper

43 100

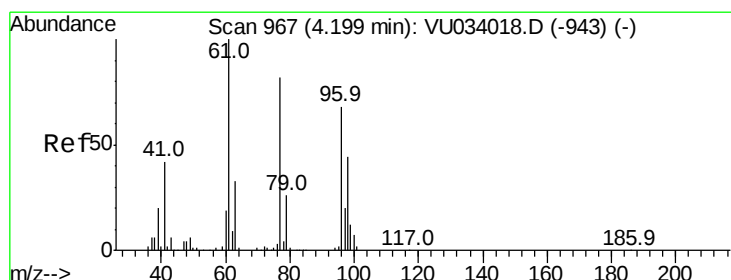
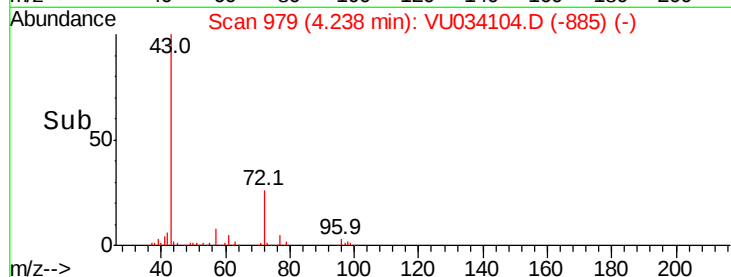
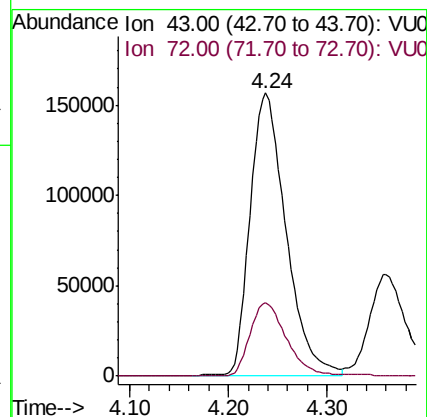
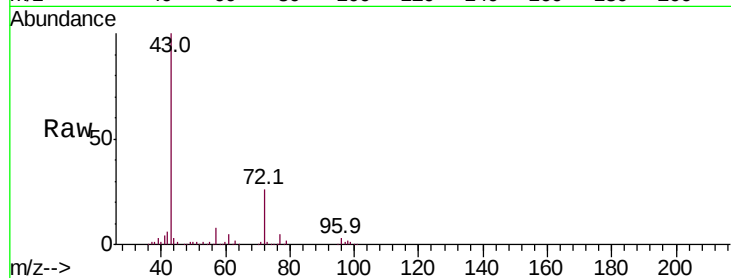
72 25.9 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.584 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034104.D

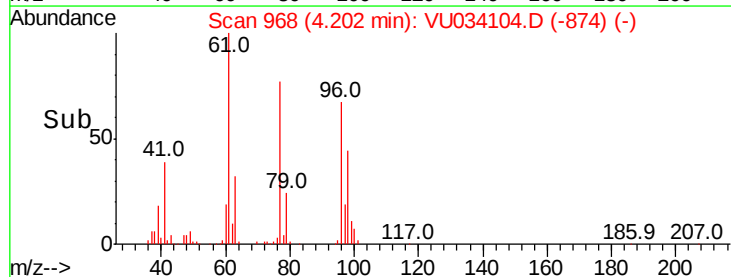
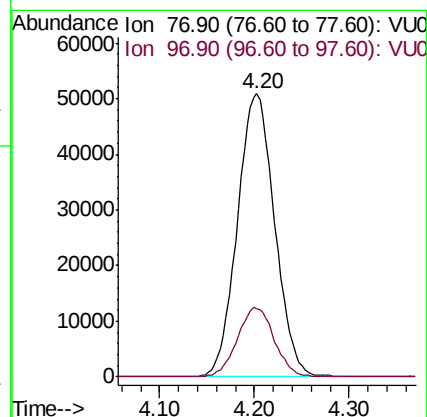
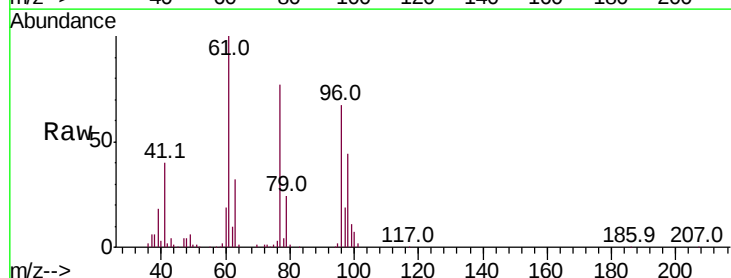
Acq: 30 Aug 2019 17:27

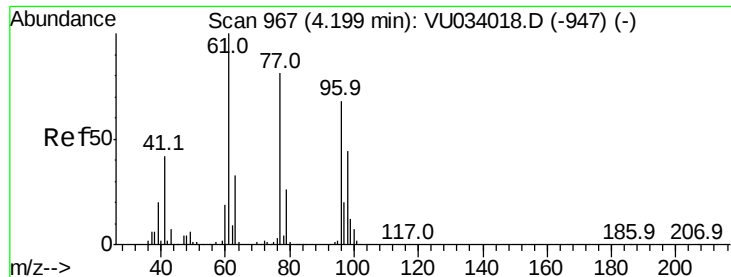
Tgt Ion: 77 Resp: 139112

Ion Ratio Lower Upper

77 100

97 24.2 11.6 34.7





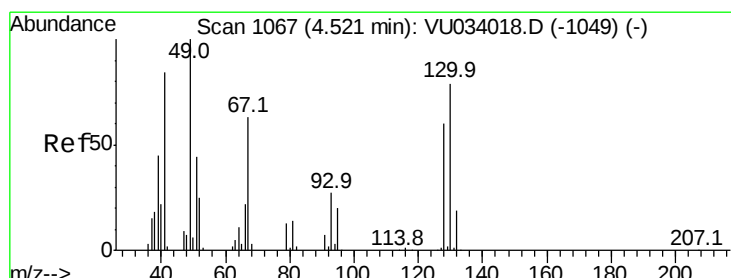
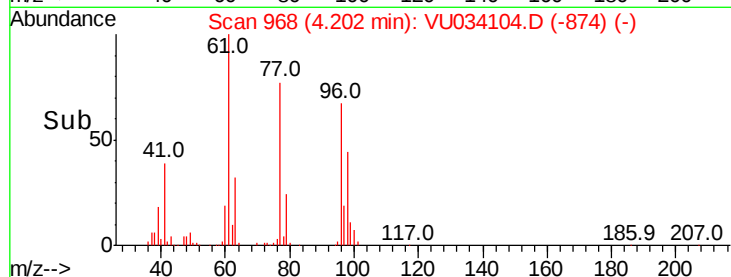
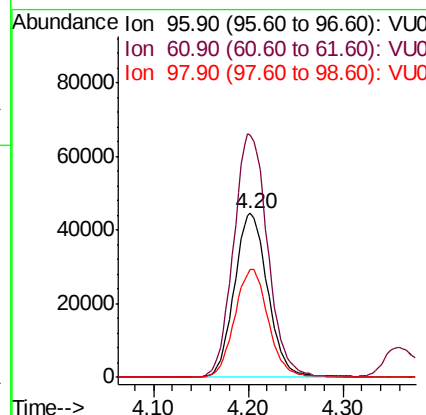
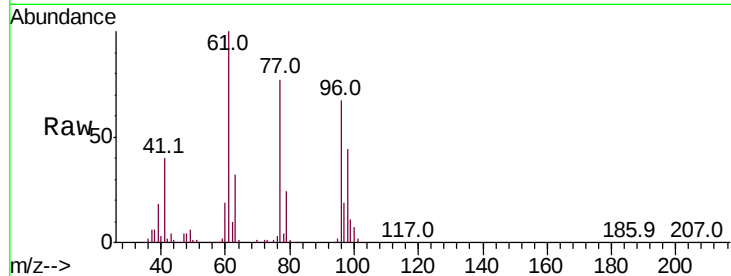
#27
 cis-1,2-Dichloroethene
 Concen: 19.840 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.3	0.0	303.0	
98	66.2	0.0	129.2	

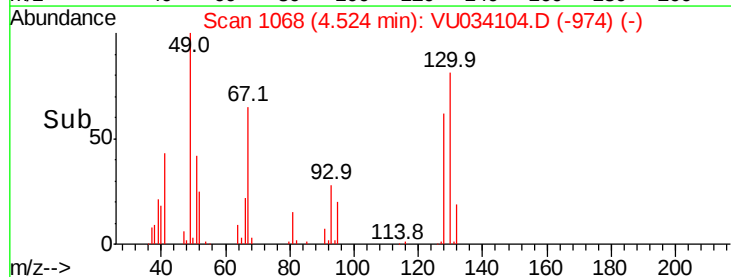
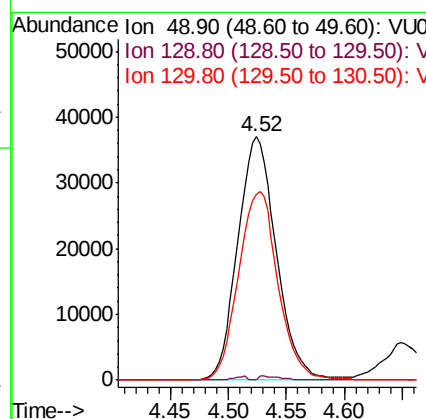
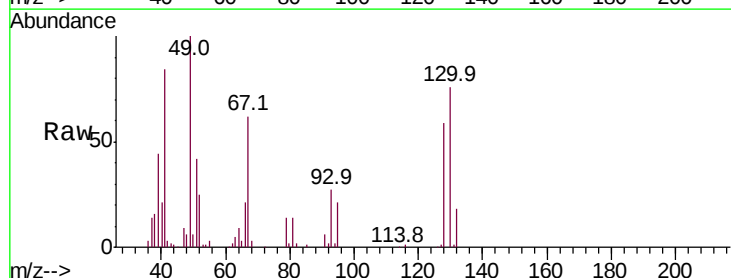
Manual Integrations
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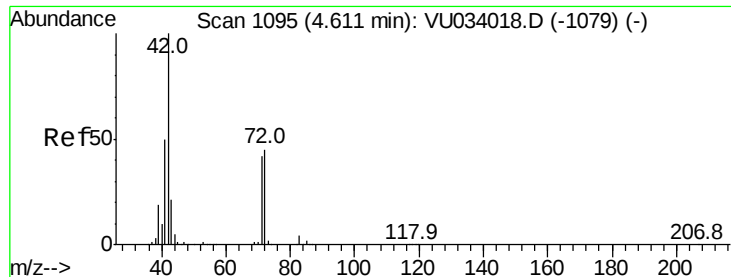
MMDadoda
 8/31/2019 11:24:59 AM



#28
 Bromochloromethane
 Concen: 18.900 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	3.6	
130	79.3	62.8	94.2	





#29

Tetrahydrofuran

Concen: 99.547 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

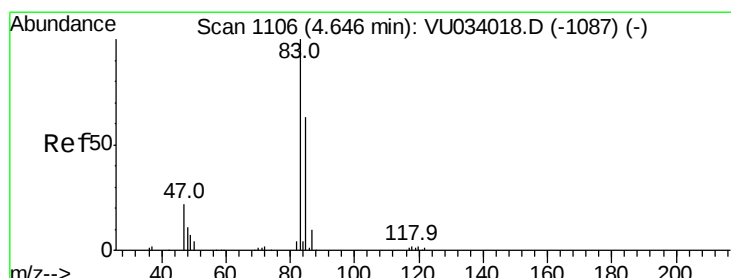
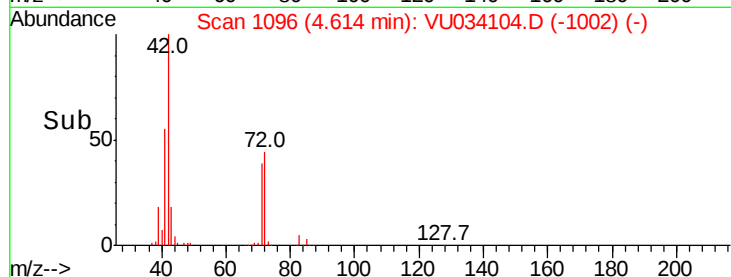
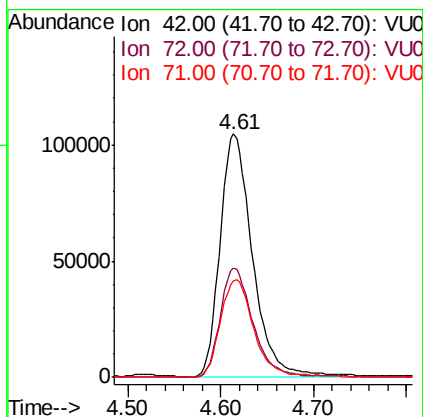
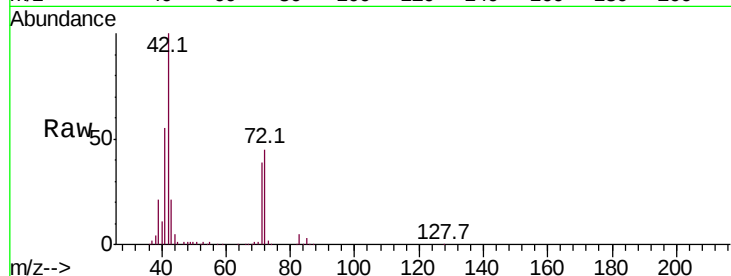
ClientSampleId :

VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.8	53.6
71	41.6	34.0	51.0

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#30

Chloroform

Concen: 19.328 ug/l

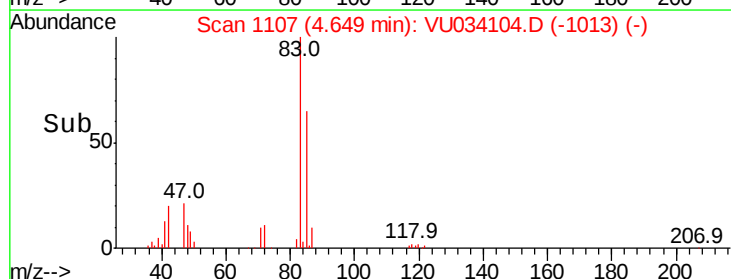
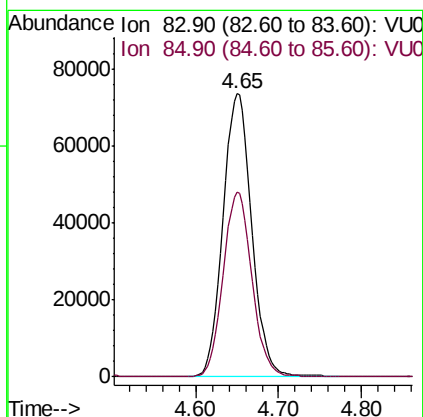
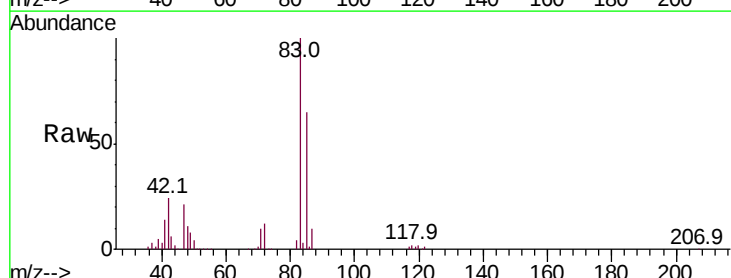
RT: 4.65 min Scan# 1107

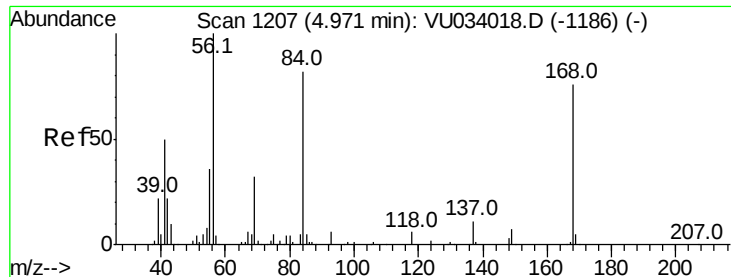
Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.7	76.1





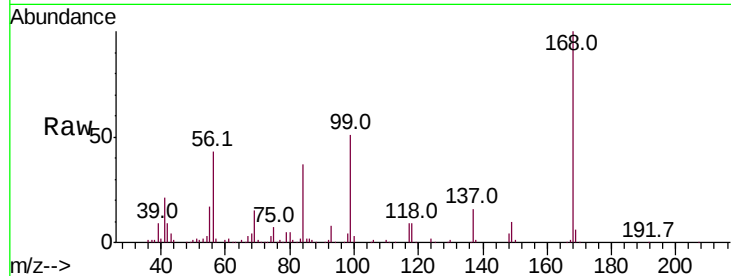
#31
Cyclohexane
Concen: 18.370 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.4	38.0
84	85.8	65.8	98.8

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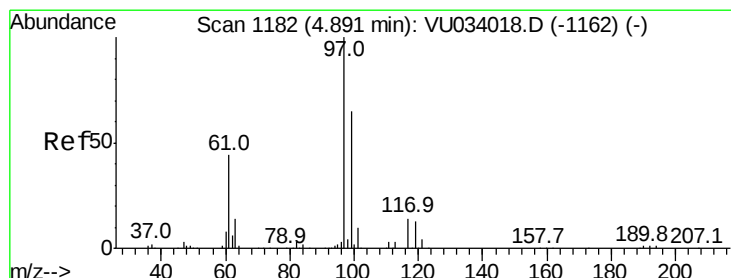
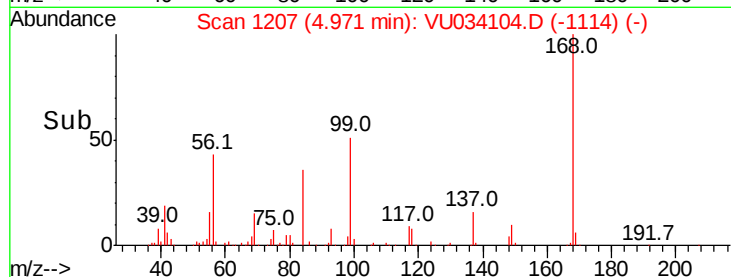
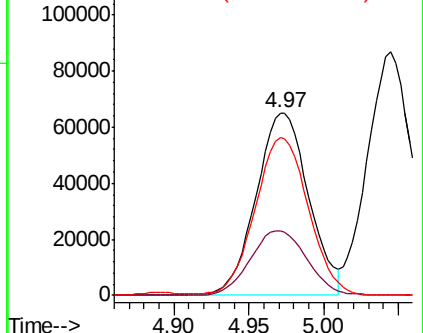


Abundance

Ion 56.00 (55.70 to 56.70): VU0

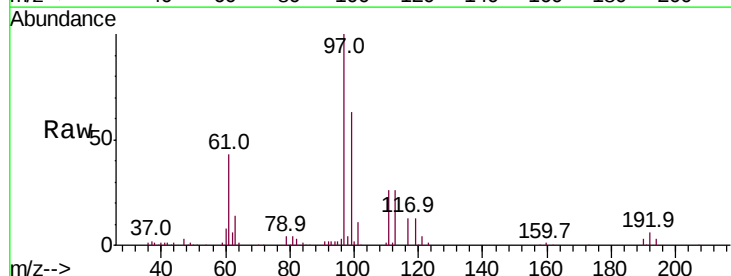
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 19.692 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	43.3	35.3	52.9

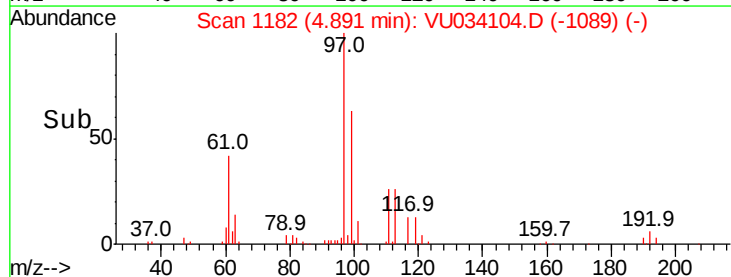
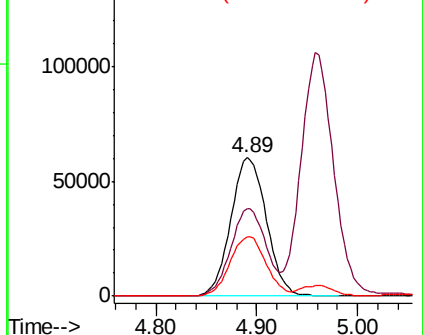


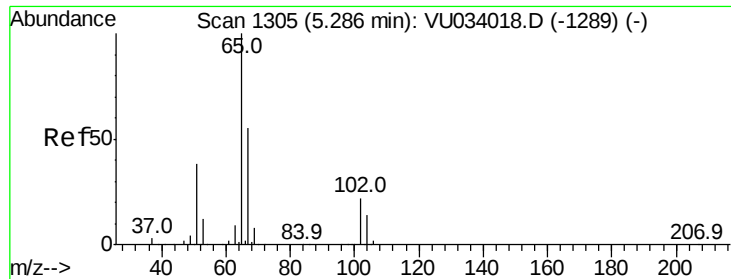
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 48.661 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 65 Resp: 281683

Ion Ratio Lower Upper

65 100

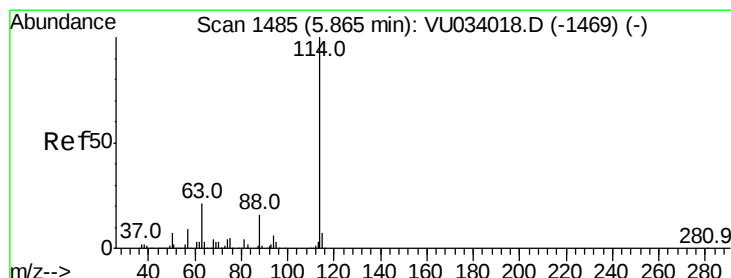
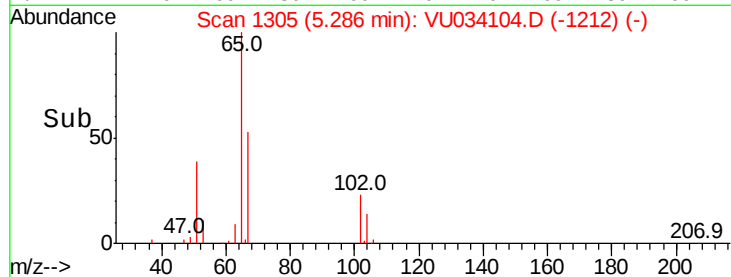
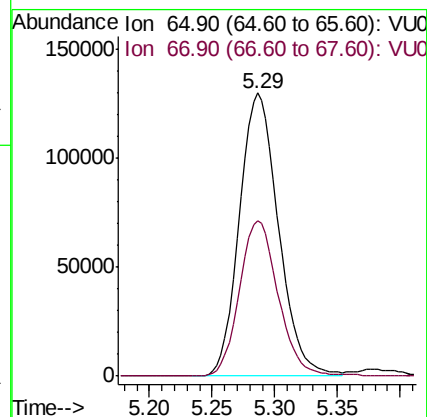
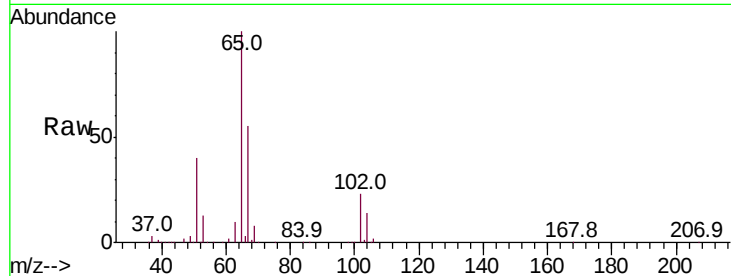
67 54.4 0.0 110.6

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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: VU034104.D

Acq: 30 Aug 2019 17:27

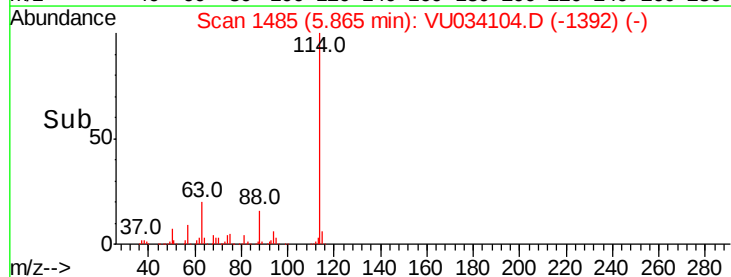
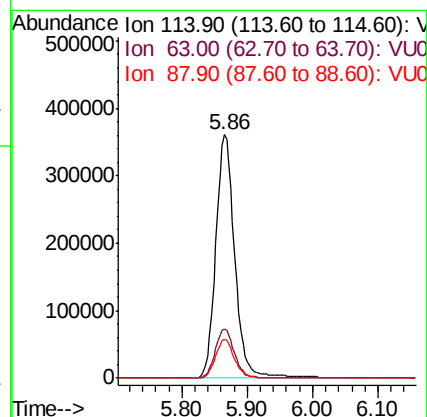
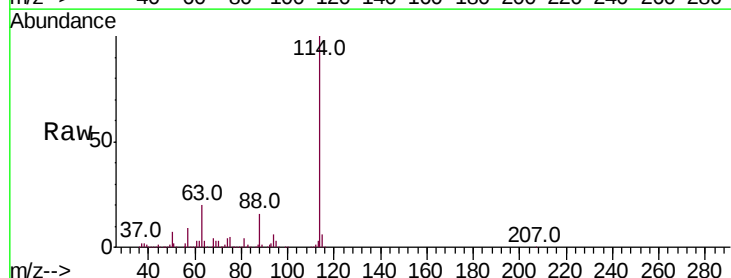
Tgt Ion: 114 Resp: 730292

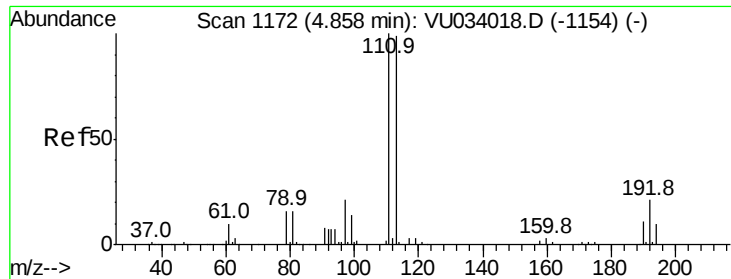
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.0

88 15.9 0.0 32.0





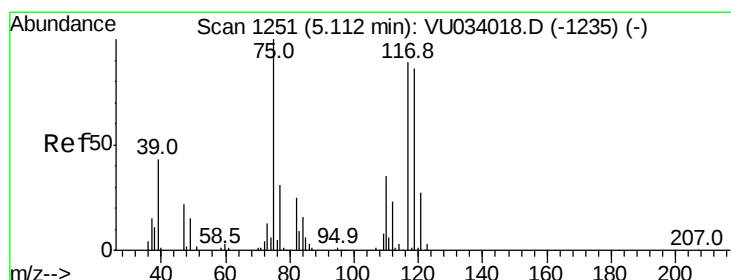
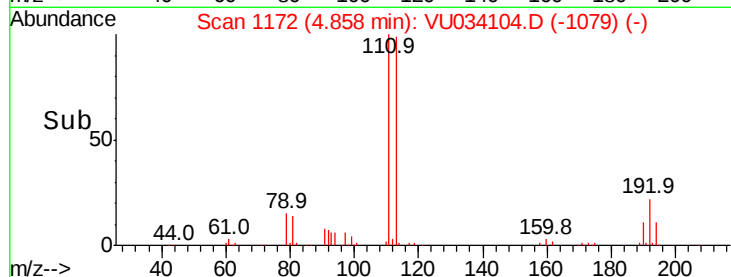
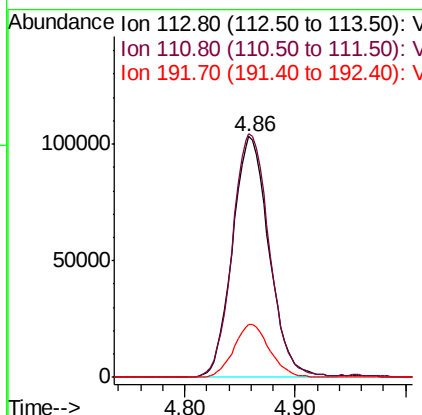
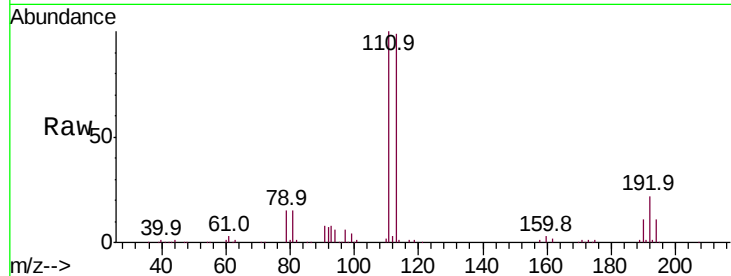
#35
 Dibromofluoromethane
 Concen: 46.920 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237660		
111	102.2		81.7	122.5
192	21.6		17.1	25.7

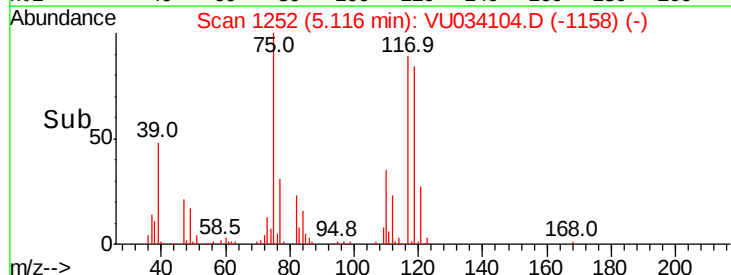
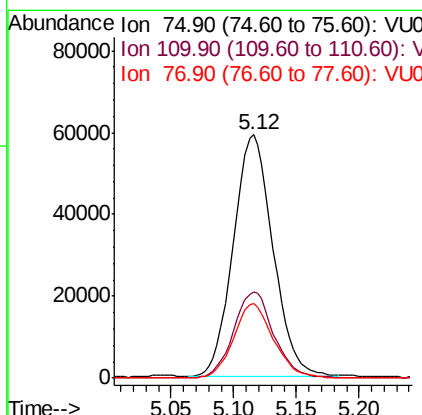
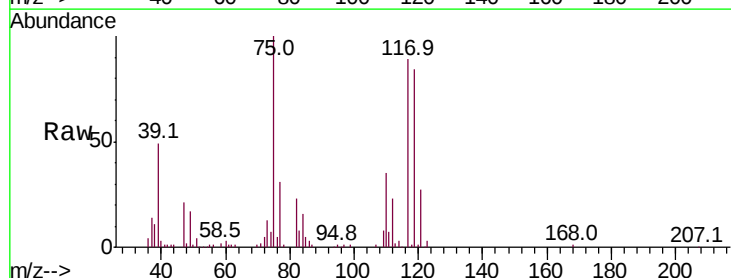
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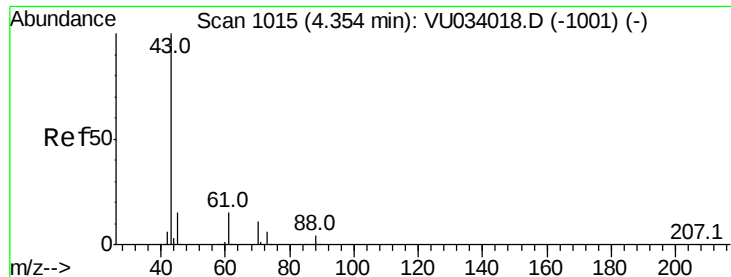
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#36
 1,1-Dichloropropene
 Concen: 18.783 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129745		
110	36.3		17.8	53.5
77	30.4		25.0	37.4





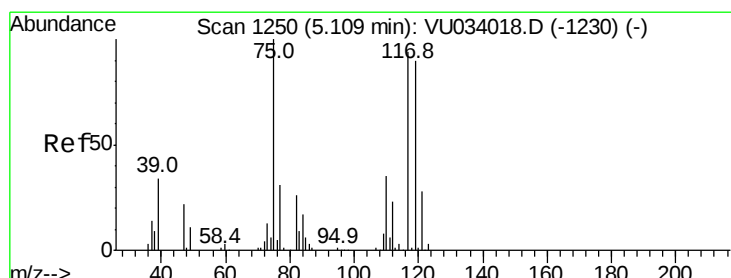
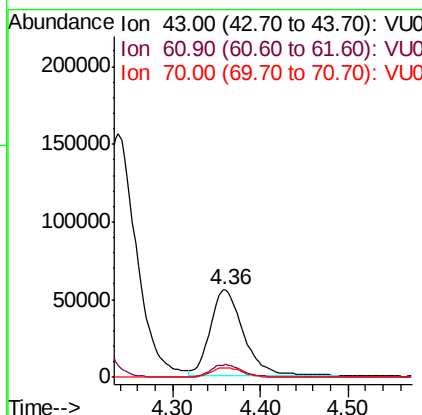
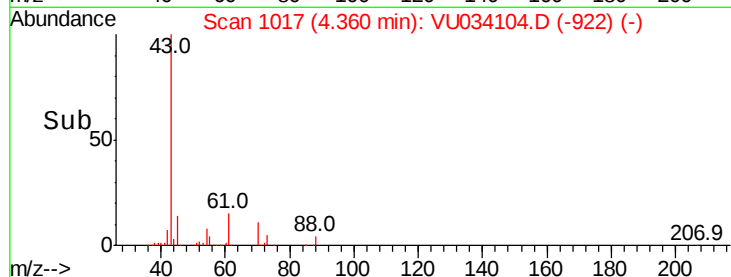
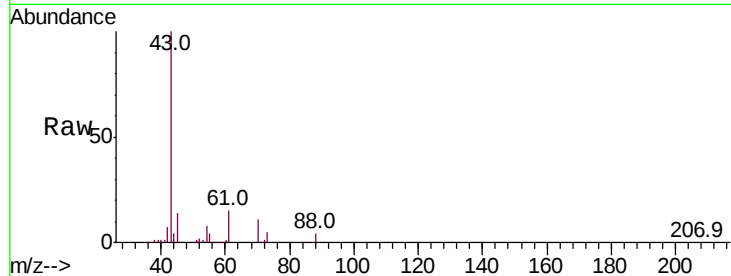
#37
Ethyl Acetate
Concen: 18.891 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.5	17.3
70	11.0	8.6	12.8

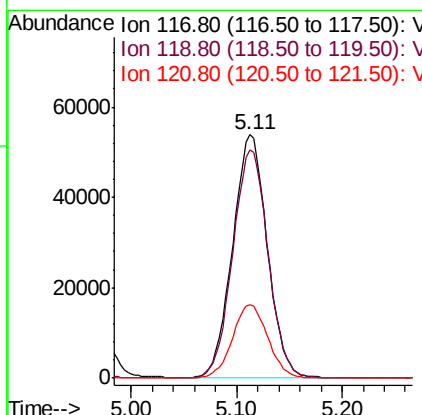
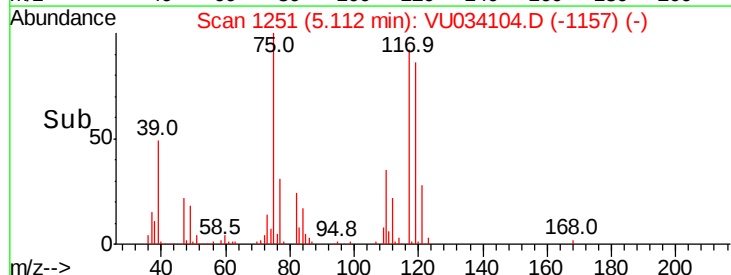
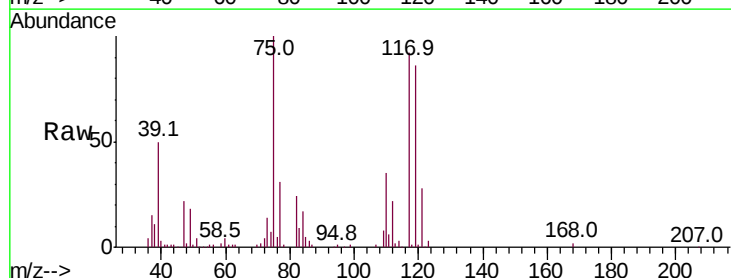
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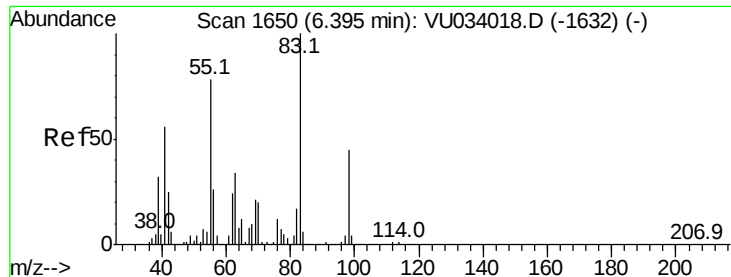
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#38
Carbon Tetrachloride
Concen: 18.283 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.4
121	30.0	23.9	35.9





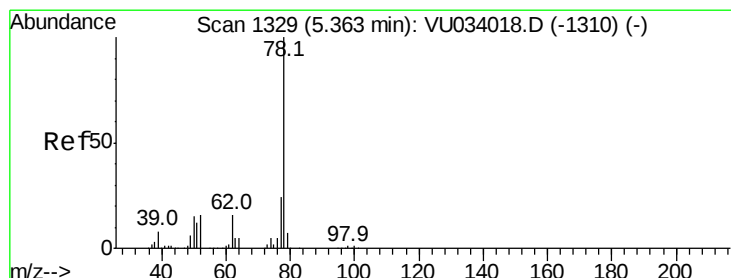
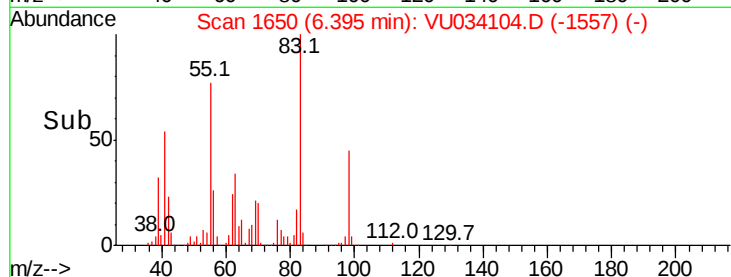
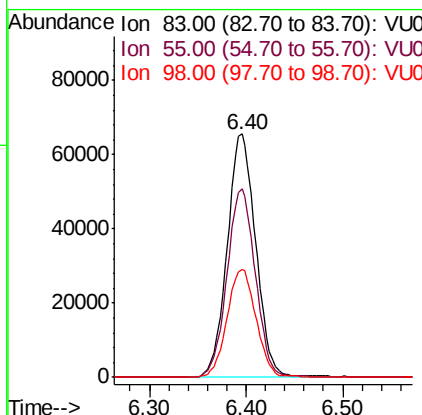
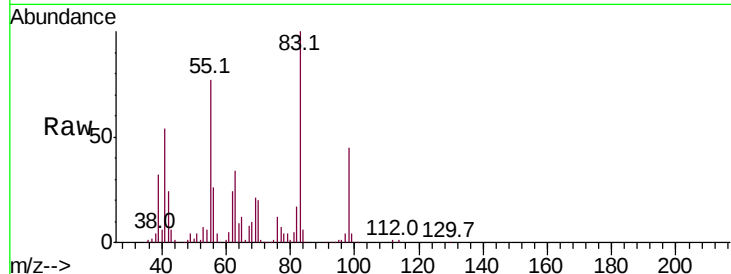
#39
Methvlcvclohexane
Concen: 16.502 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.3	62.3	93.5	
98	44.6	36.2	54.2	

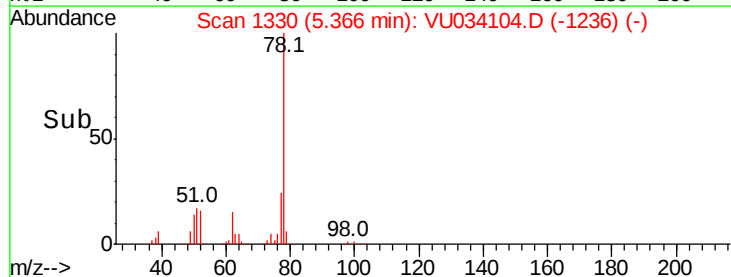
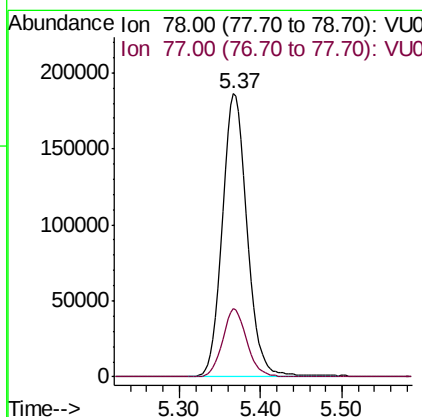
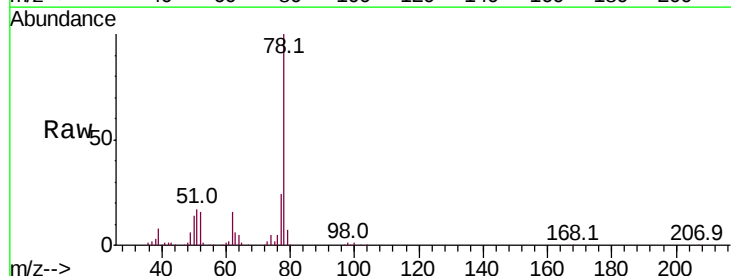
Manual Integrations
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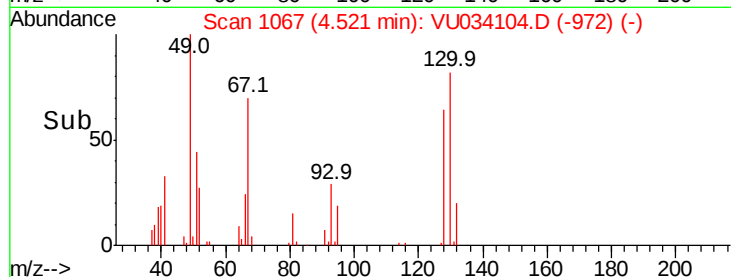
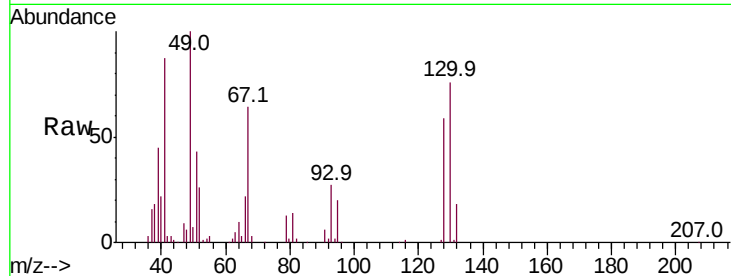
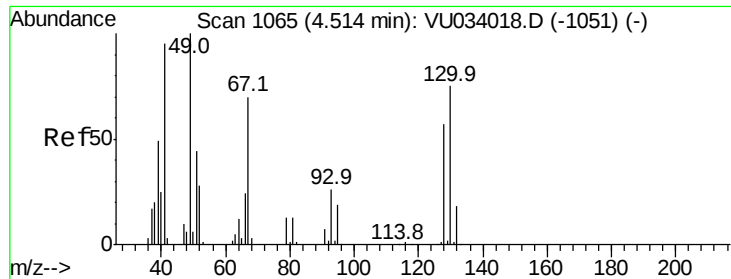
MMDadoda
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#40
Benzene
Concen: 19.290 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.6	





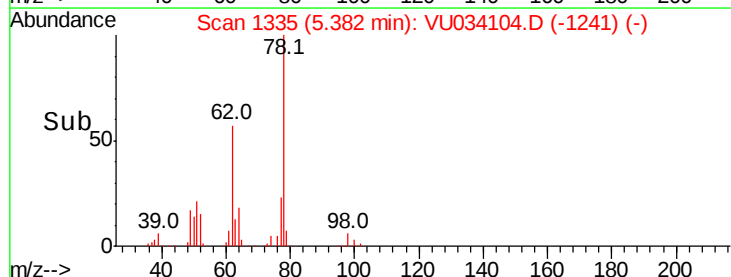
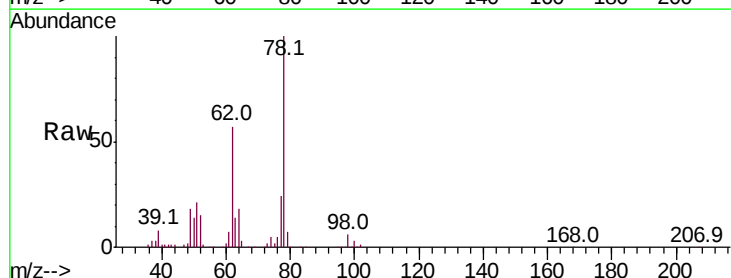
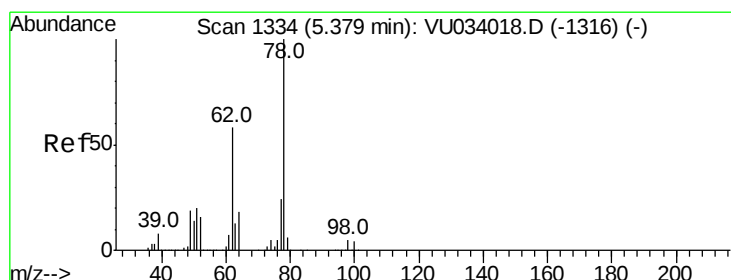
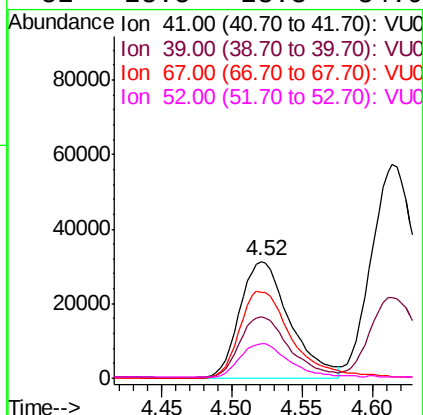
#41
Methacrylonitrile
Concen: 19.425 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.1	63.1	
67	79.1	61.0	91.4	
52	28.5	23.3	34.9	

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

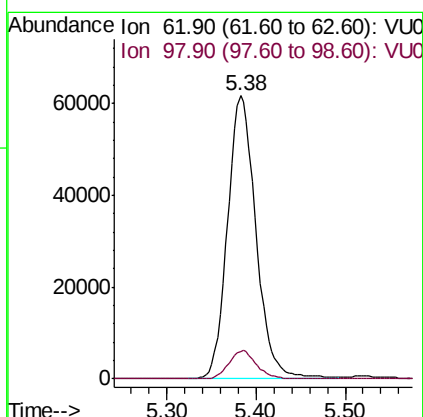
Manual Integrations
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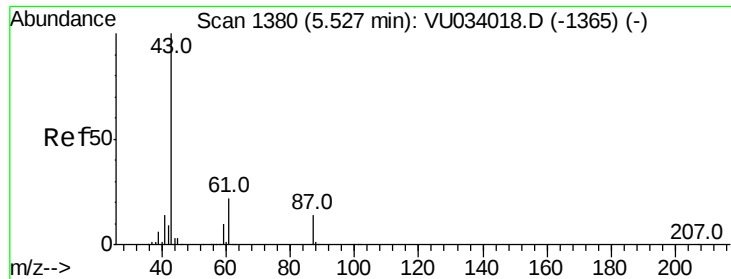
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.927 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 19.260 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

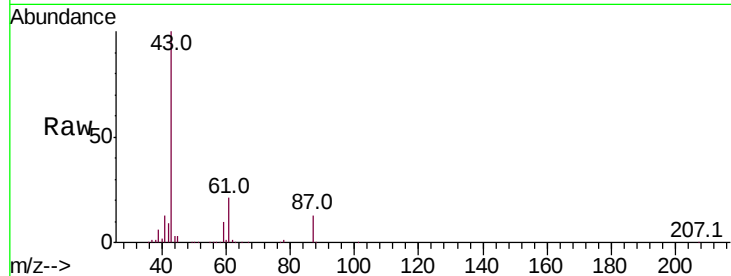
ClientSampleId :

VU0831MBSD01

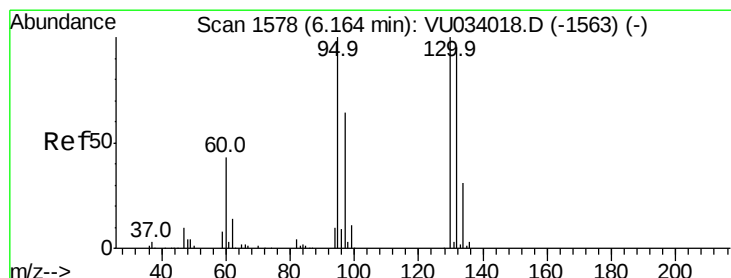
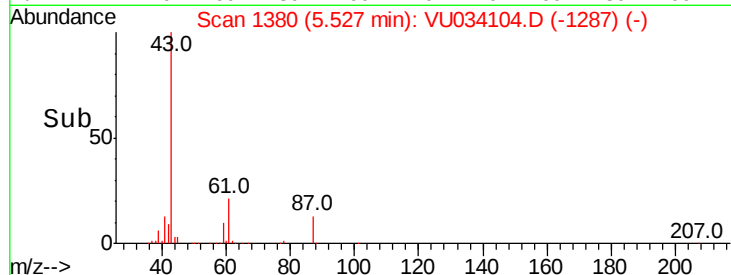
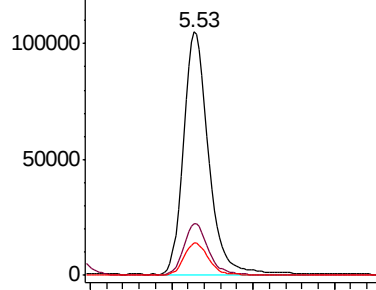
Tot Ion:	43	Resp:	226658
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.2	25.8
87	13.4	10.8	16.2

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Abundance Ion 43.00 (42.70 to 43.70): VU034104.D (-1287) (-)



#44

Trichloroethene

Concen: 19.717 ug/l

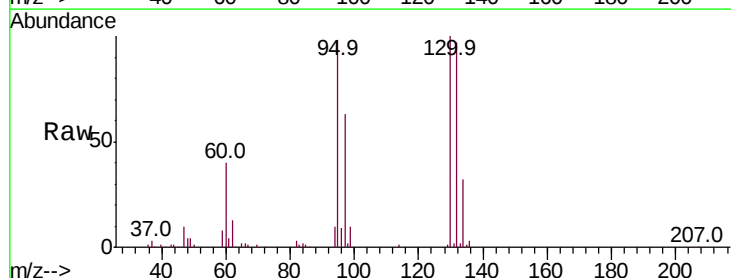
RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

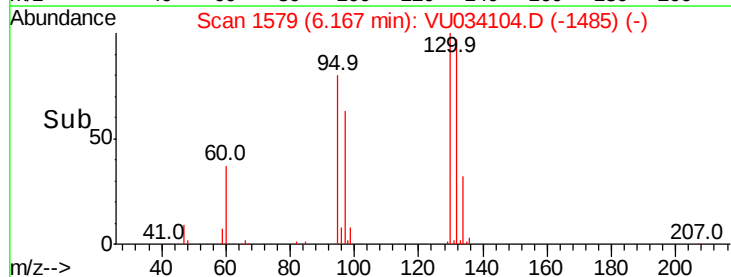
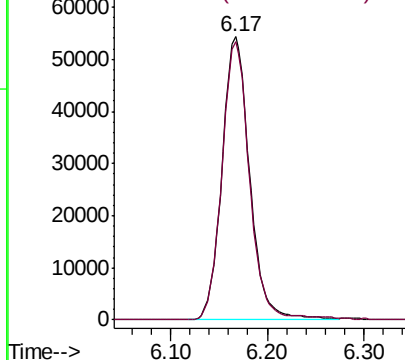
Lab File: VU034104.D

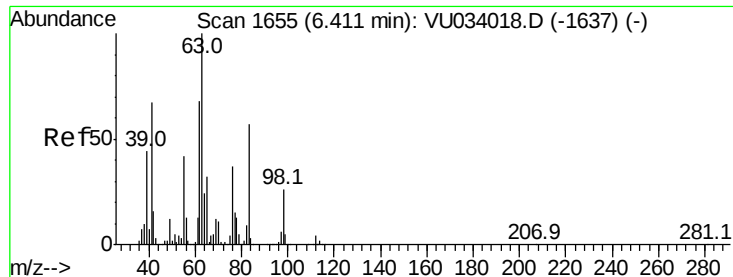
Acq: 30 Aug 2019 17:27

Tgt Ion:	130	Resp:	108210
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	199.6



Abundance Ion 129.80 (129.50 to 130.50): VU034104.D (-1485) (-)





#45

1,2-Dichloropropane

Concen: 18.914 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 63 Resp: 108813

Ion Ratio Lower Upper

63 100

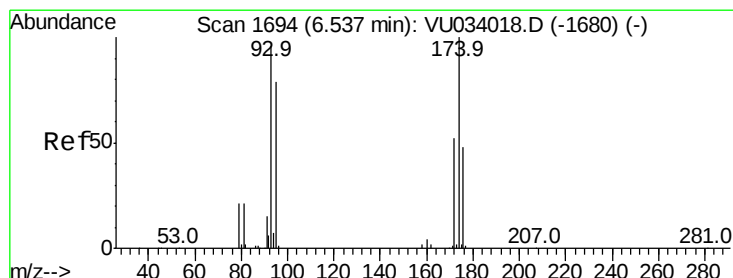
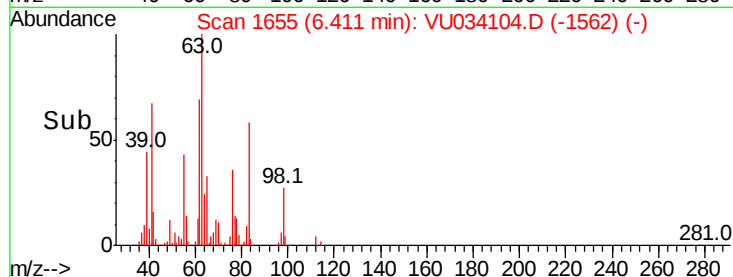
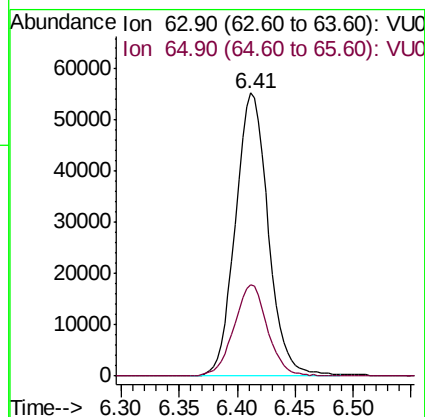
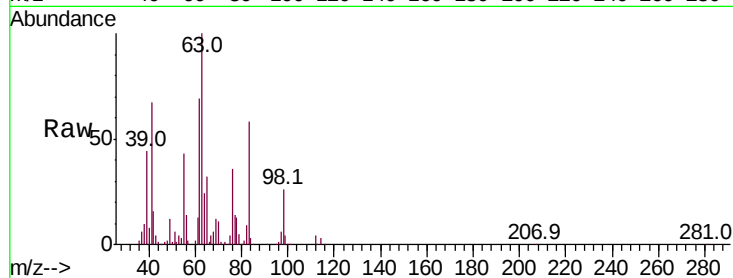
65 32.5 25.4 38.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.036 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

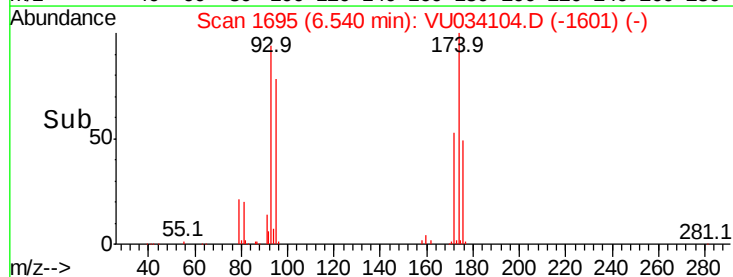
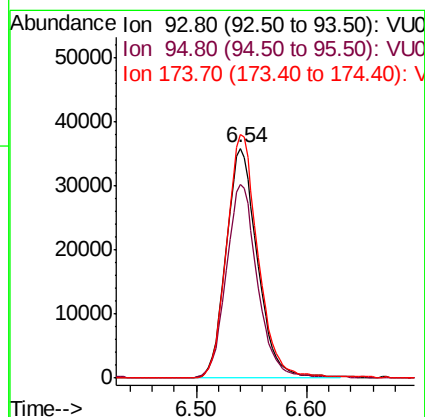
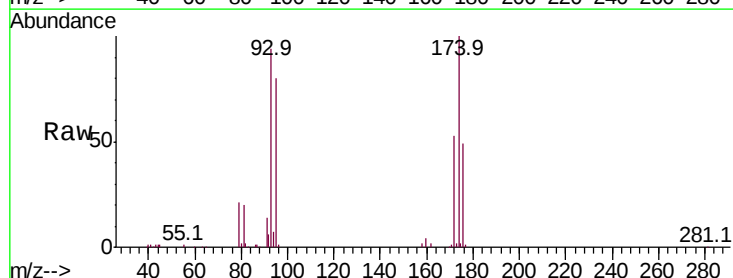
Tgt Ion: 93 Resp: 70558

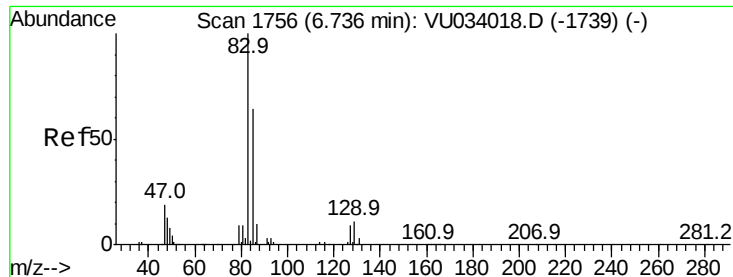
Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 106.1 84.9 127.3





#47

Bromodichloromethane

Concen: 18.669 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

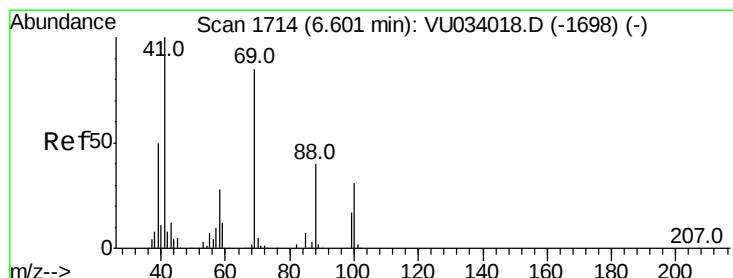
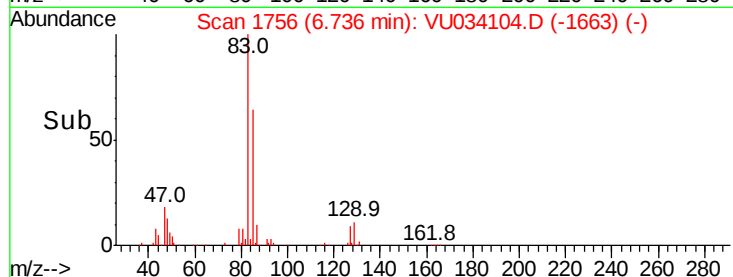
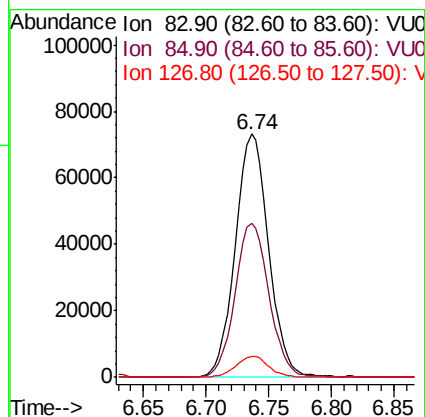
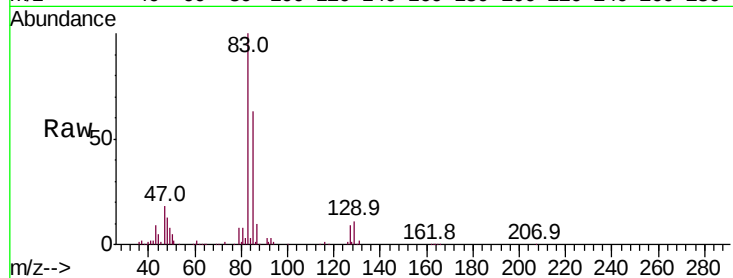
ClientSampleId :

VU0831MBSD01

Tot Ion:	83	Resp:	135380
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.2	76.8
127	8.8	7.0	10.6

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#48

Methyl methacrylate

Concen: 18.535 ug/l

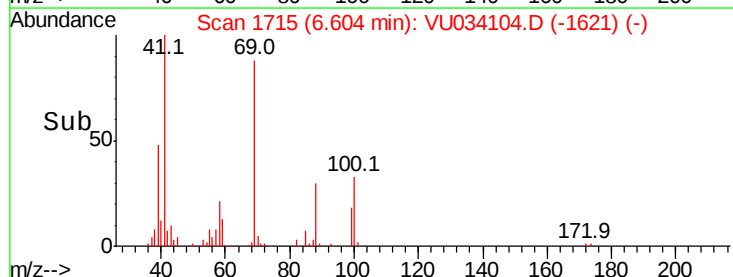
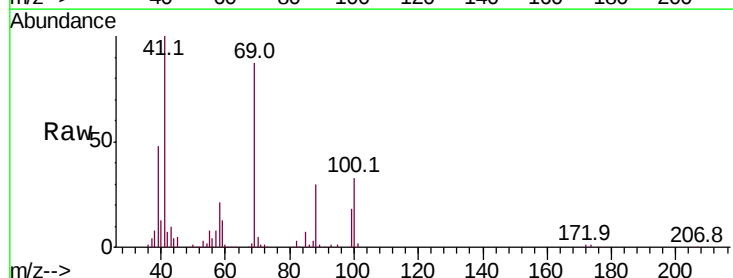
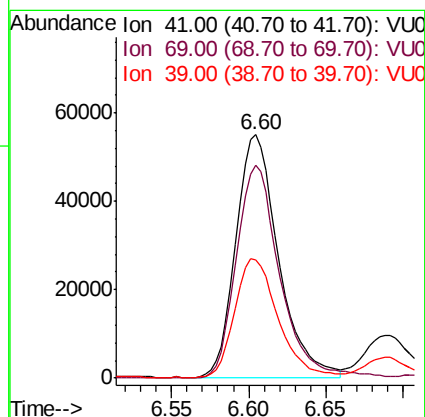
RT: 6.60 min Scan# 1715

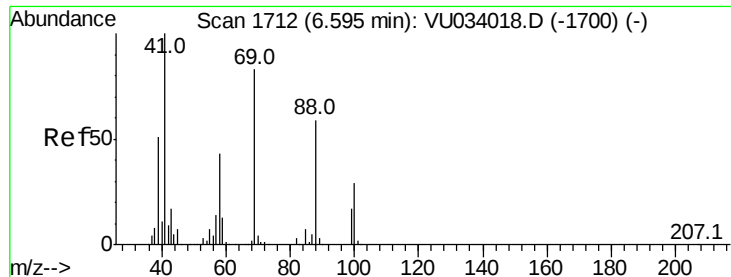
Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion:	41	Resp:	105254
Ion Ratio	Lower	Upper	
41	100		
69	90.1	69.5	104.3
39	49.7	40.3	60.5





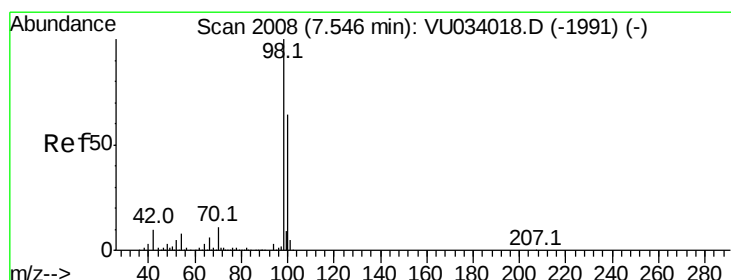
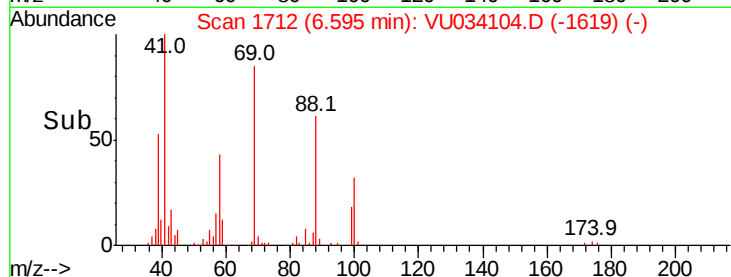
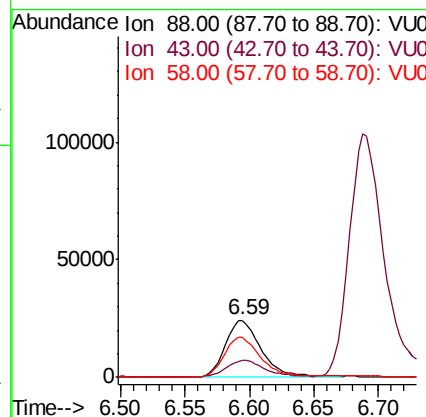
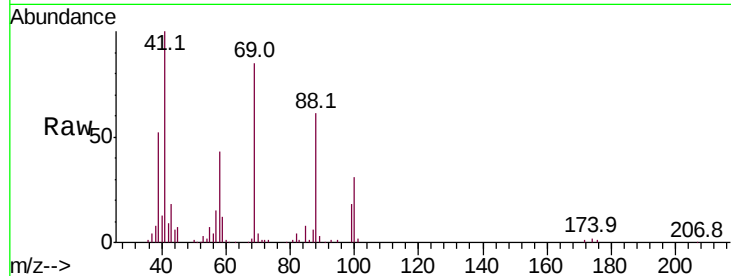
#49
1,4-Dioxane
Concen: 332.617 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.0	24.8	37.2	
58	71.6	59.3	88.9	

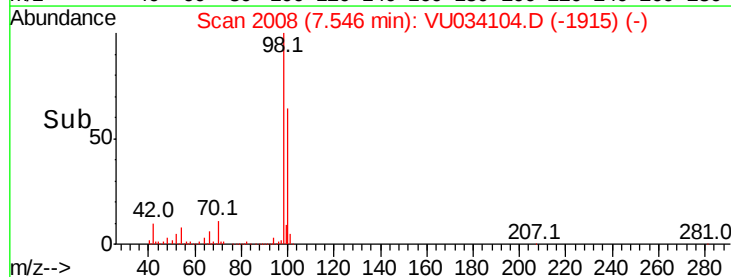
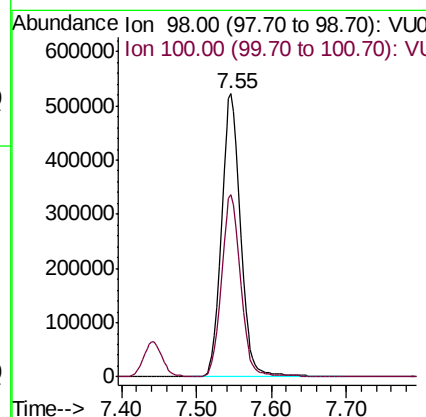
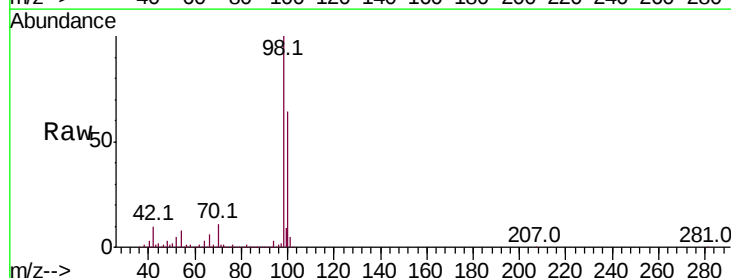
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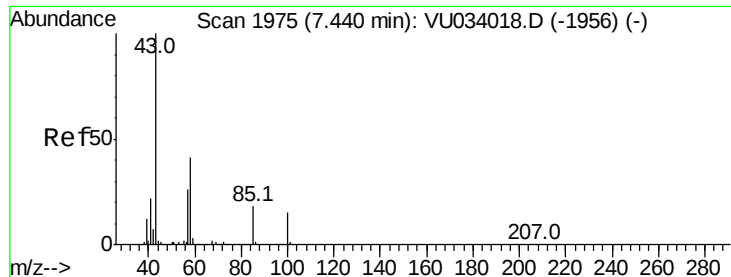
MMDadoda
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#50
Toluene-d8
Concen: 48.817 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.5	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 93.179 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 43 Resp: 757274

Ion Ratio Lower Upper

43 100

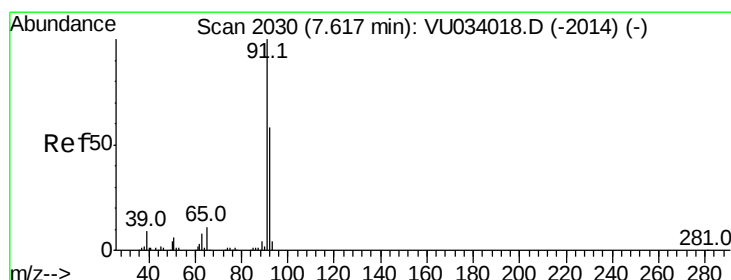
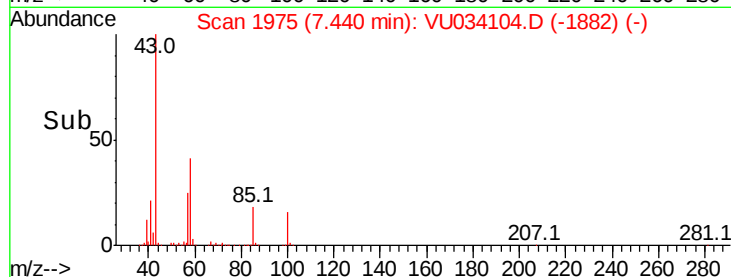
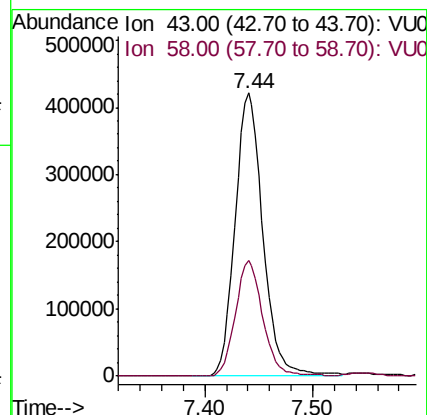
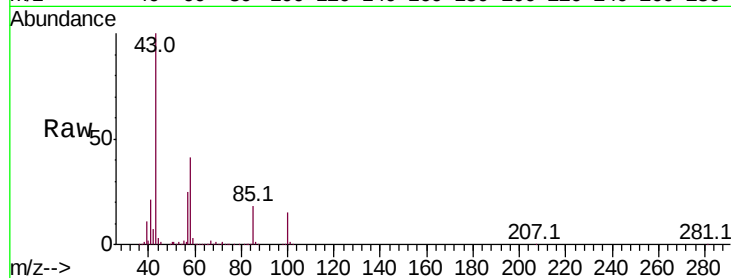
58 40.4 32.2 48.4

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#52

Toluene

Concen: 19.683 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034104.D

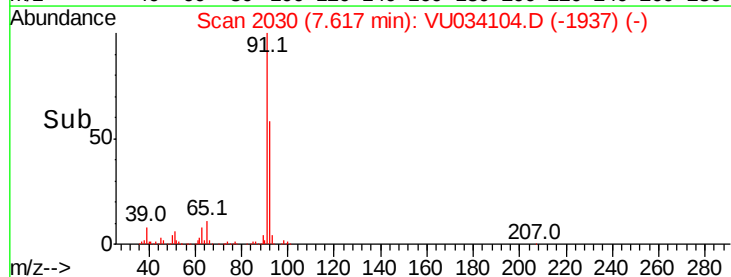
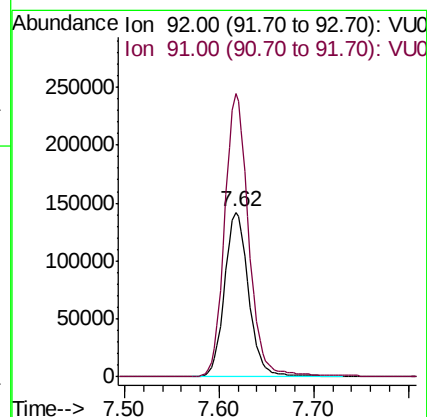
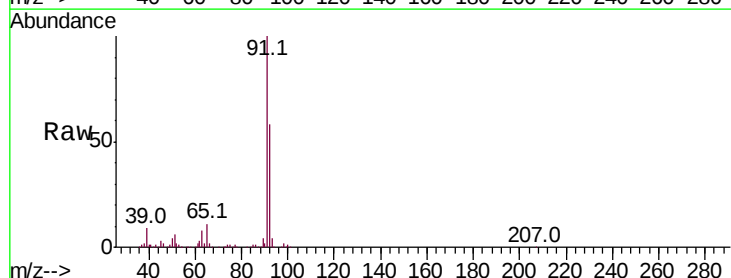
Acq: 30 Aug 2019 17:27

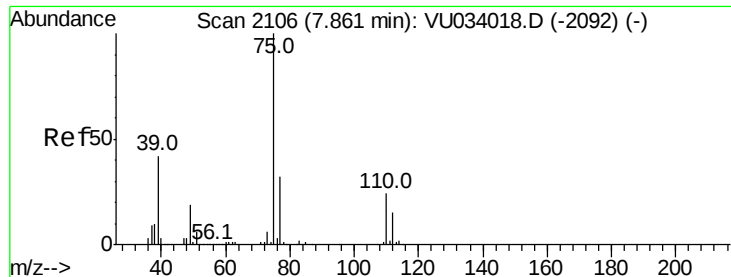
Tgt Ion: 92 Resp: 253403

Ion Ratio Lower Upper

92 100

91 171.0 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.677 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 75 Resp: 150280

Ion Ratio Lower Upper

75 100

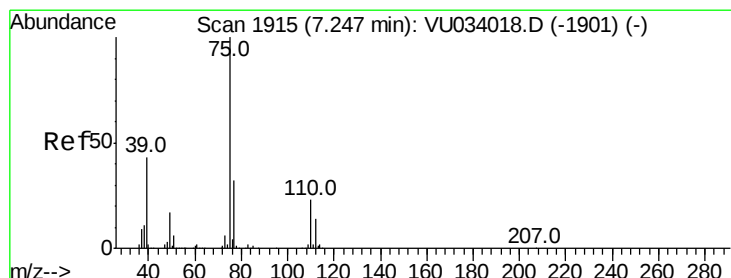
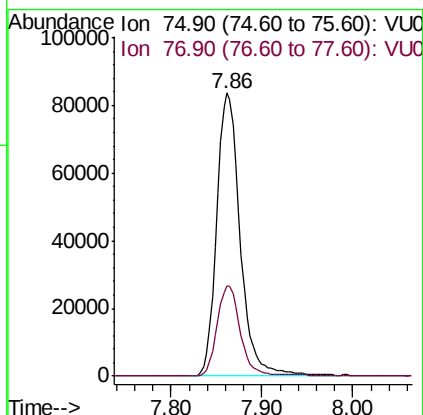
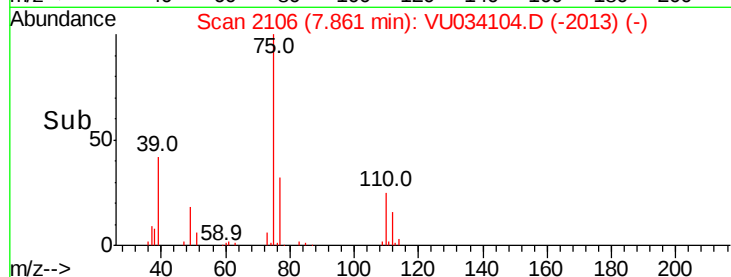
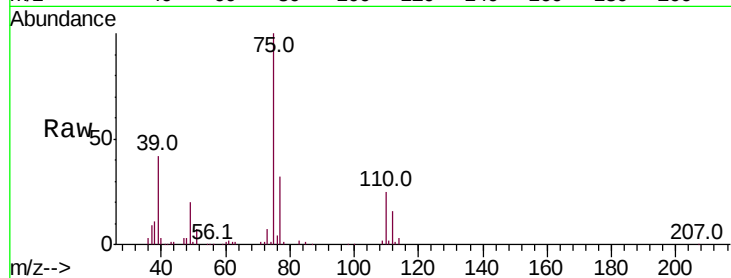
77 31.8 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 19.120 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

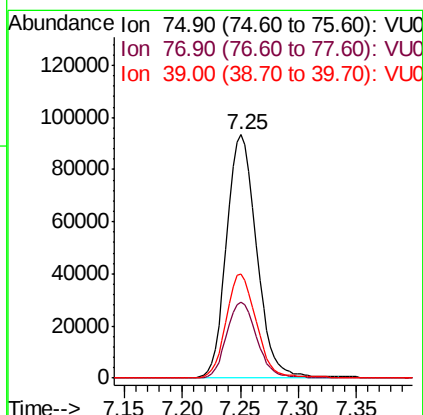
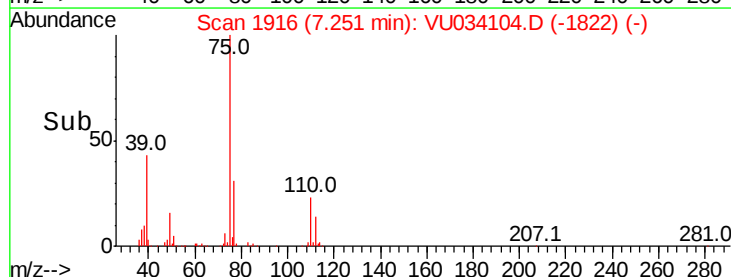
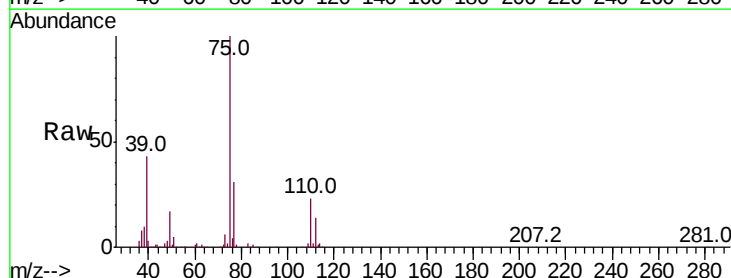
Tgt Ion: 75 Resp: 168076

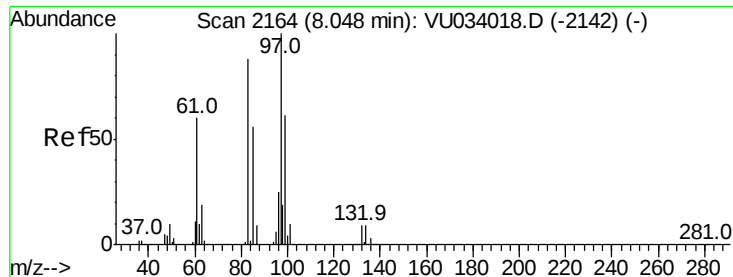
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 42.8 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 18.538 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

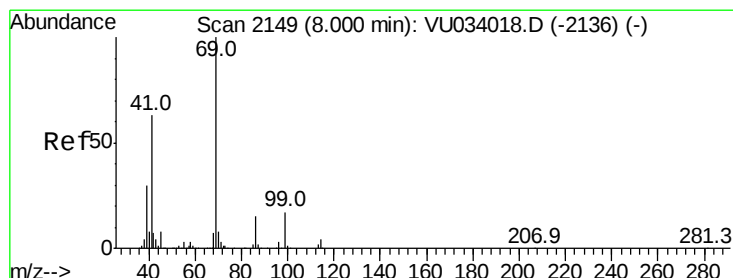
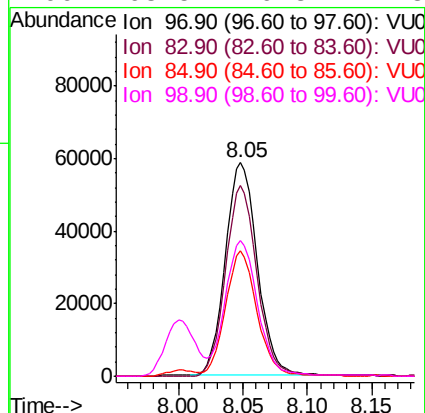
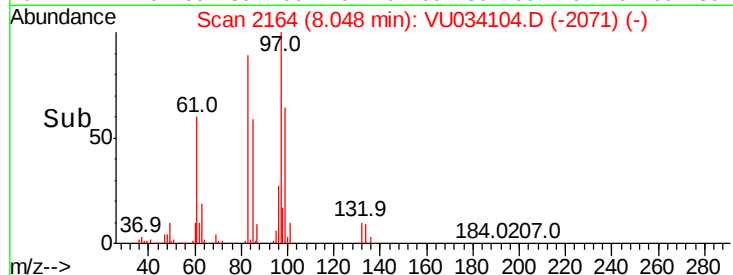
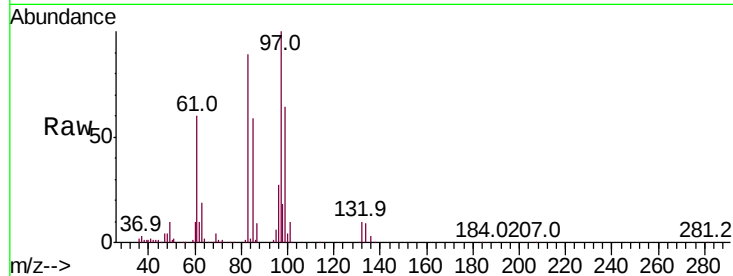
ClientSampleId :

VU0831MBSD01

Tot Ion	97	Resp	100955
Ion Ratio	Lower	Upper	
97	100		
83	89.8	70.1	105.1
85	59.0	45.0	67.4
99	63.5	49.8	74.8

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#56

Ethyl methacrylate

Concen: 18.017 ug/l

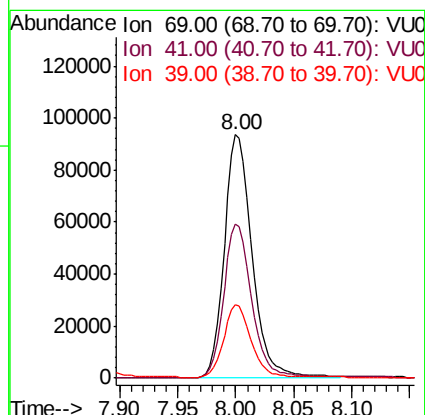
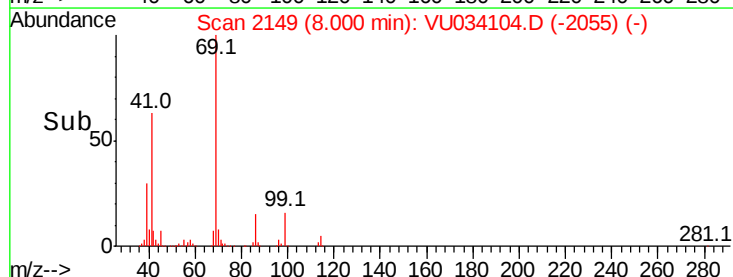
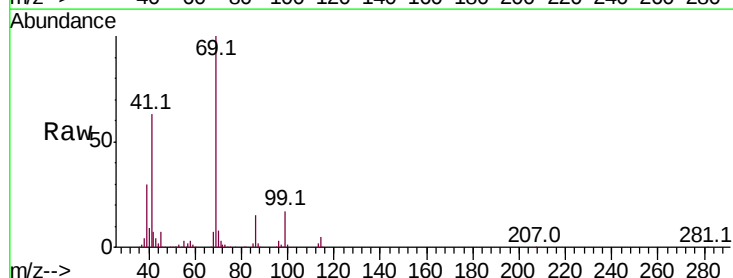
RT: 8.00 min Scan# 2149

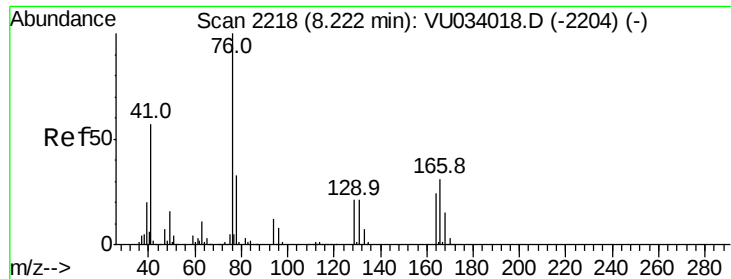
Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion	69	Resp	157026
Ion Ratio	Lower	Upper	
69	100		
41	63.7	50.7	76.1
39	29.1	24.2	36.2





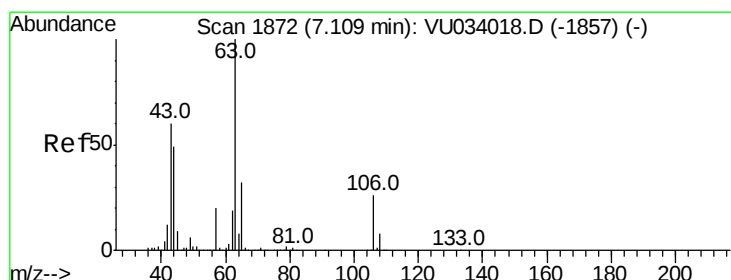
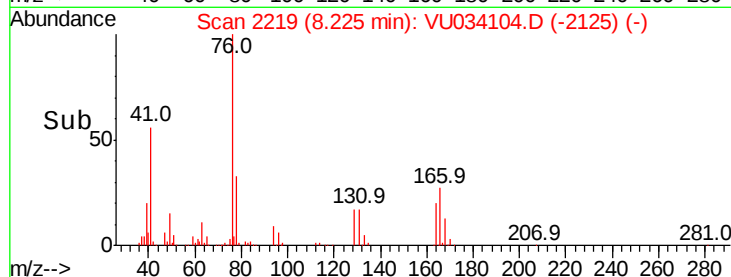
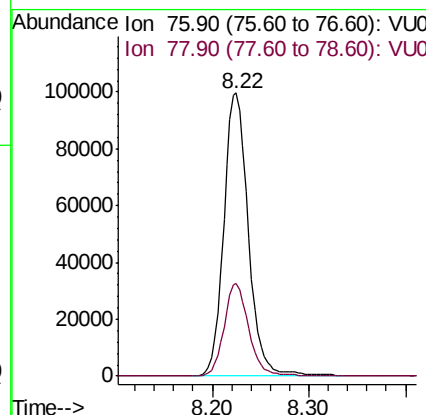
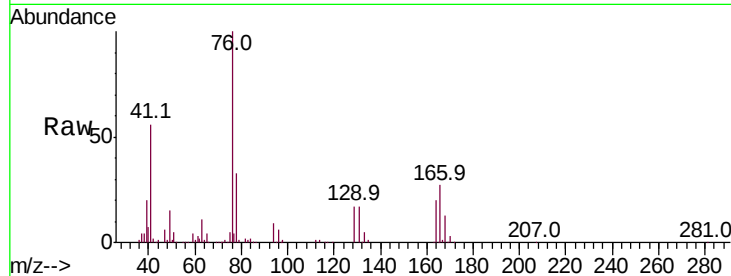
#57
 1,3-Dichloropropane
 Concen: 19.007 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Tot Ion: 76 Resp: 175746
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4

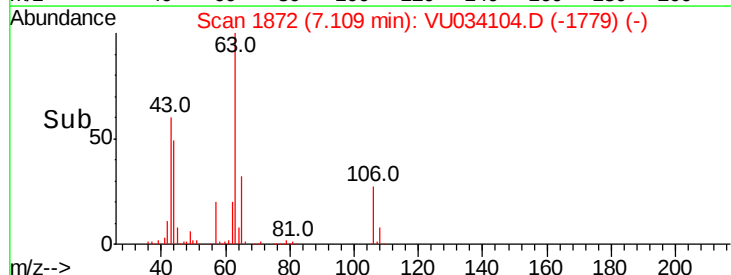
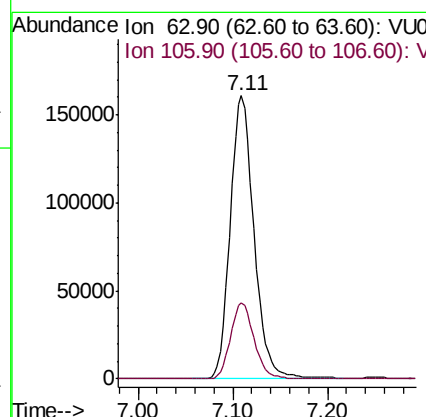
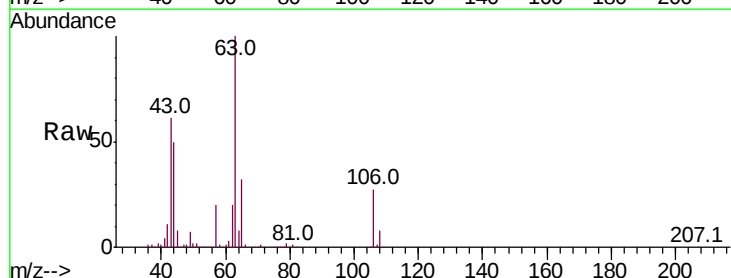
Manual Integrations
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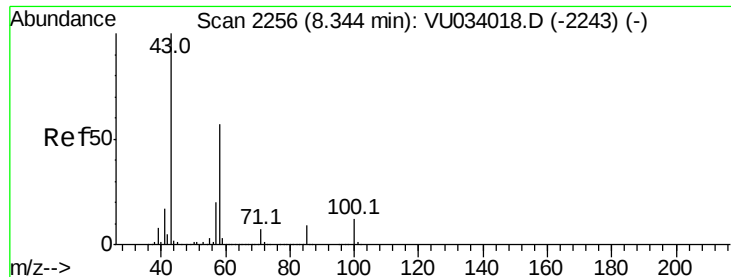
MMDadoda
 8/31/2019 11:24:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.654 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion: 63 Resp: 282155
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.7 31.1





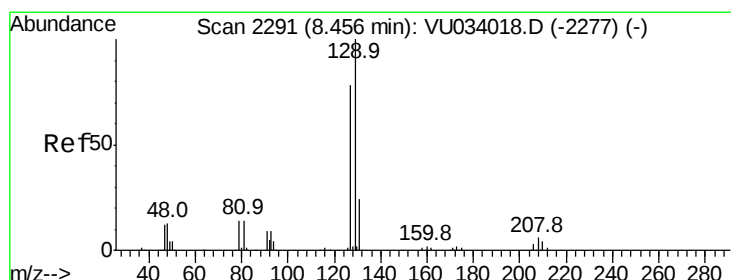
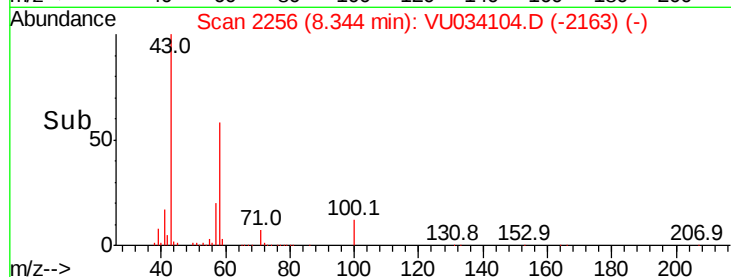
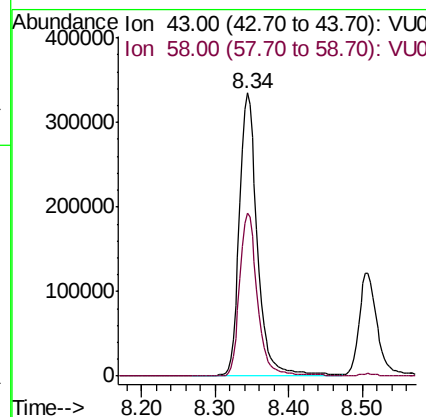
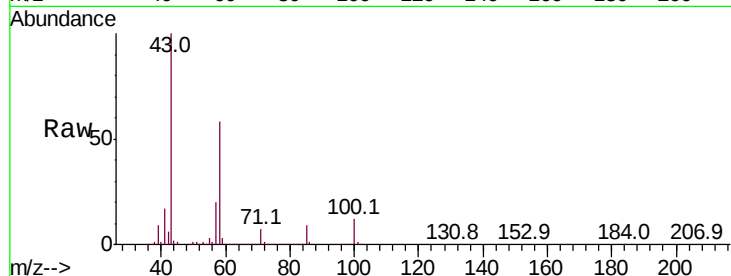
#59
2-Hexanone
Concen: 92.617 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.7	28.4	85.3

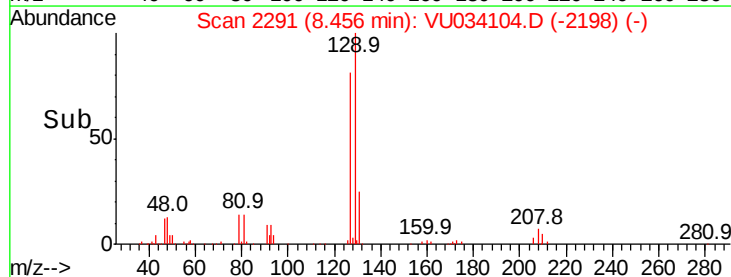
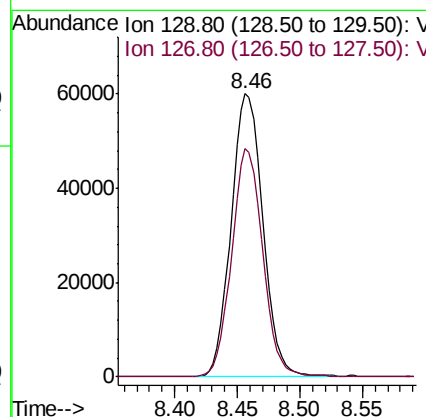
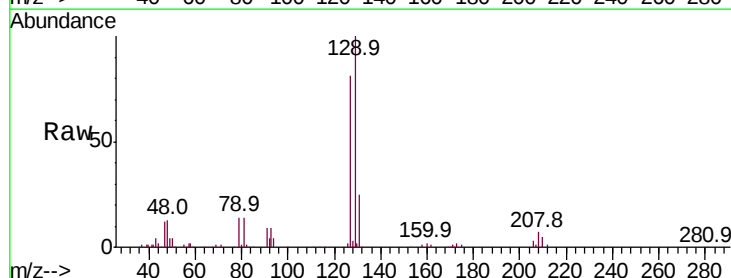
Manual Integrations
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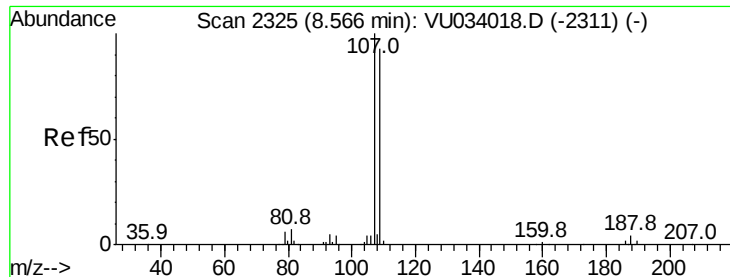
MMDadoda
8/31/2019 11:24:59 AM



#60
Dibromochloromethane
Concen: 18.126 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	116.9





#61

1,2-Dibromoethane

Concen: 18.526 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 107 Resp: 106278

Ion Ratio Lower Upper

107 100

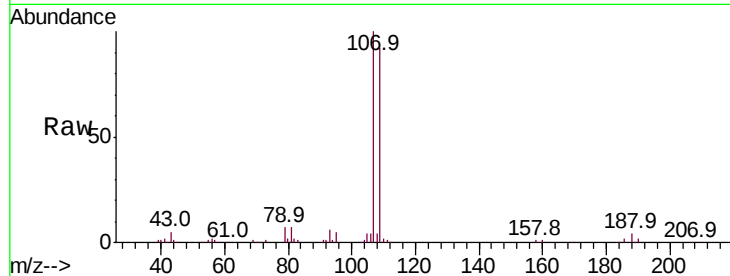
109 95.6 75.2 112.8

Manual Integrations

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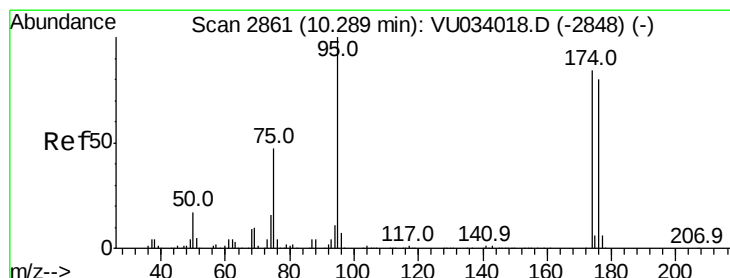
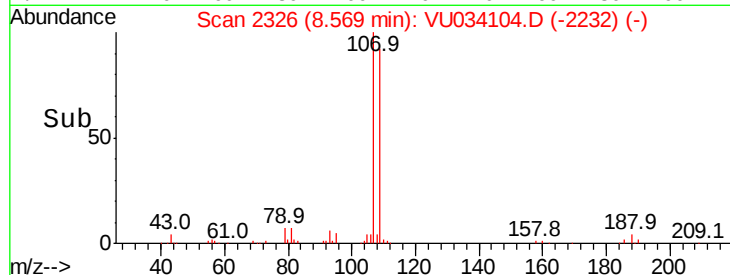
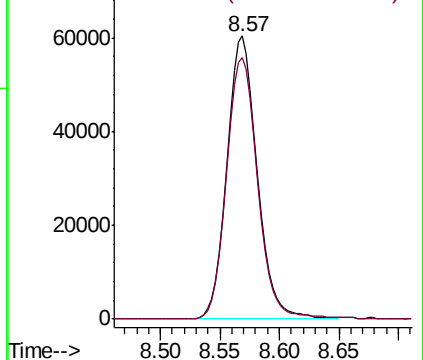
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.820 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

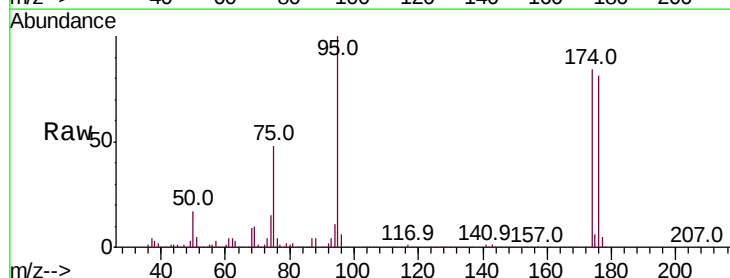
Tgt Ion: 95 Resp: 345423

Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.8

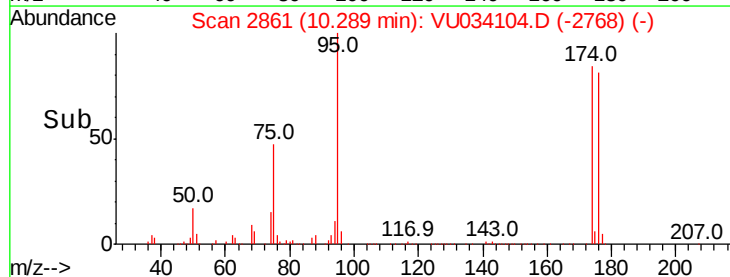
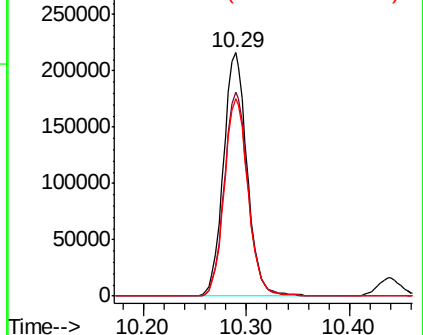
176 81.5 0.0 161.8

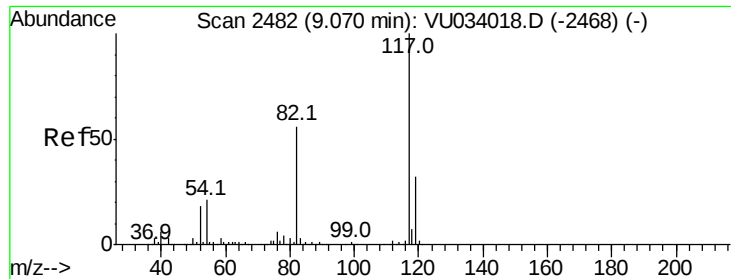


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





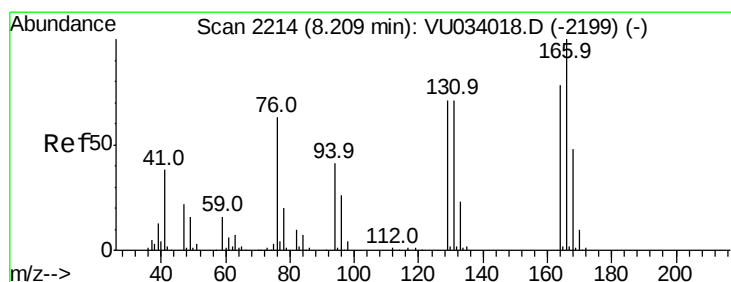
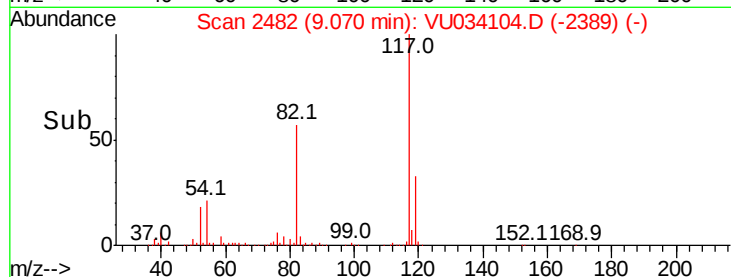
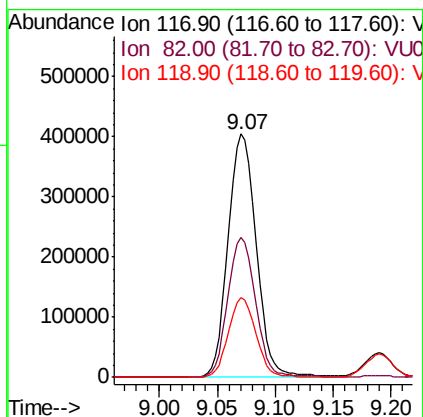
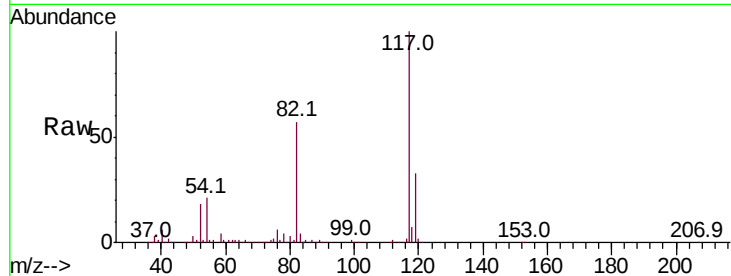
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	682365		
82	57.3		45.1	67.7
119	32.5		25.4	38.0

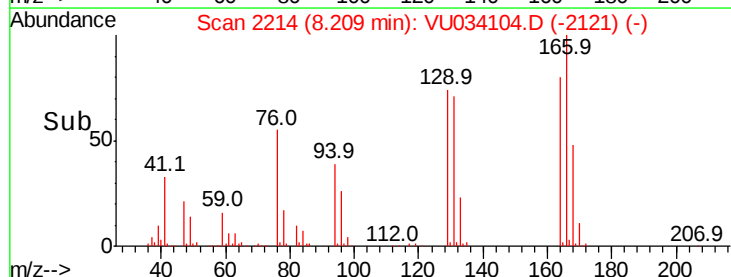
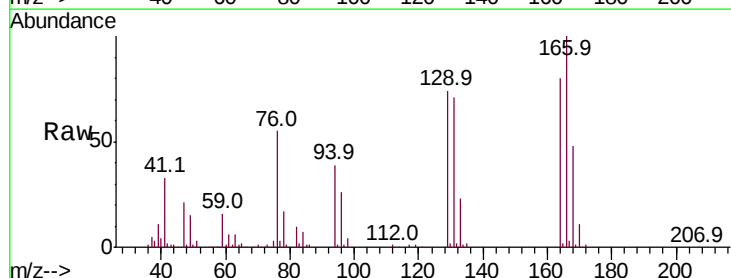
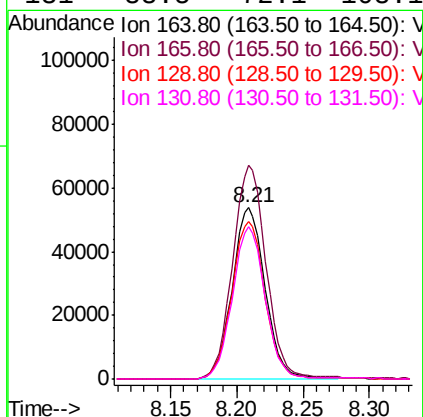
Manual Integrations
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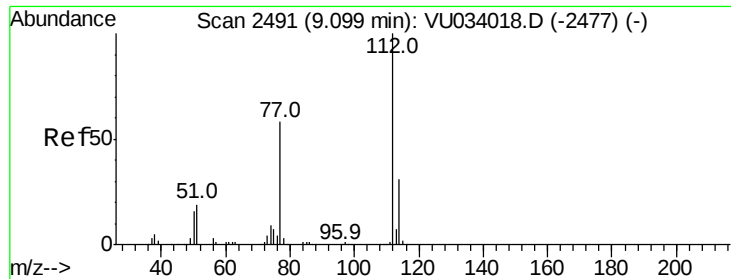
MMDadoda
8/31/2019 11:24:59 AM



#64
Tetrachloroethene
Concen: 20.286 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92962		
166	124.5		102.2	153.2
129	92.0		72.4	108.6
131	88.5		72.1	108.1





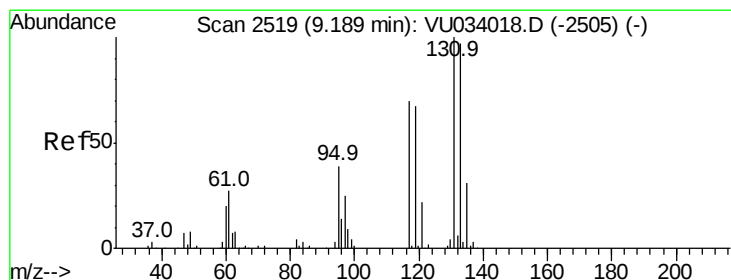
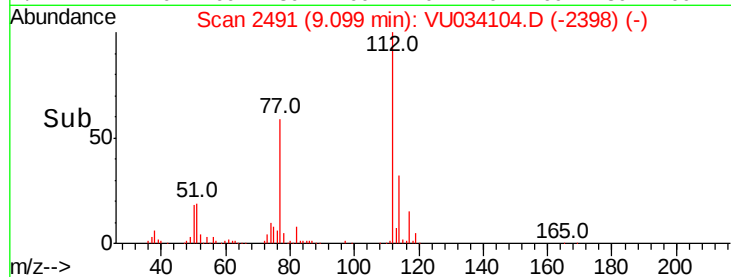
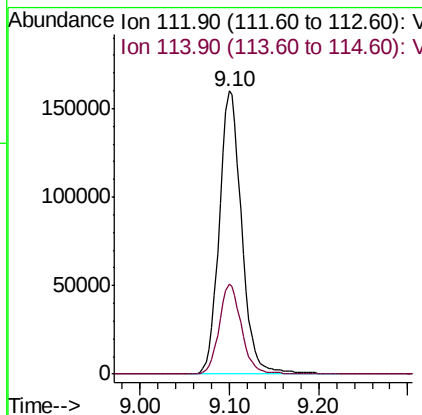
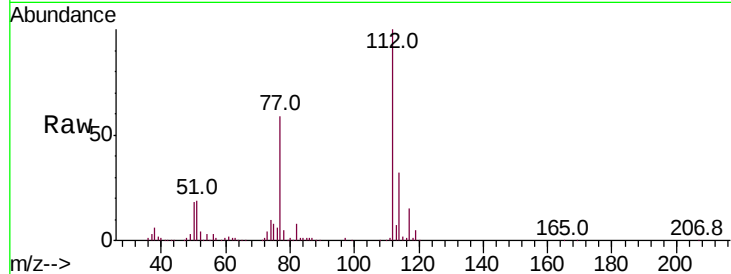
#65
Chlorobenzene
Concen: 19.777 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion:112 Resp: 277720
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4

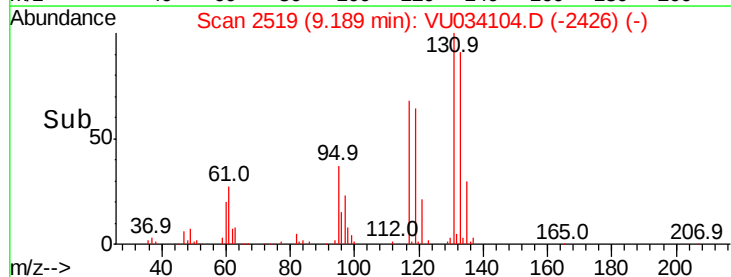
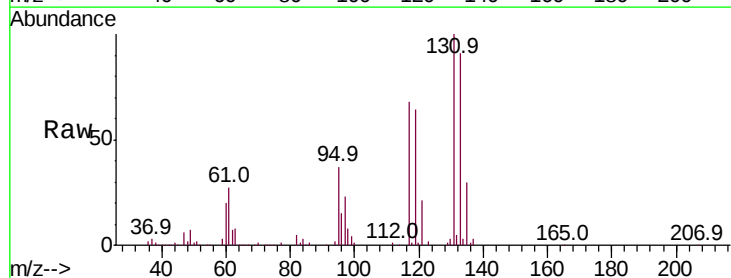
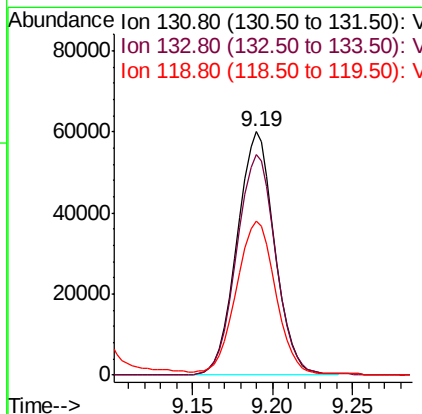
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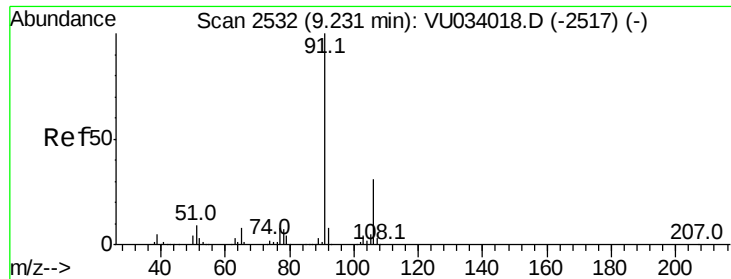
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.897 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion:131 Resp: 96221
Ion Ratio Lower Upper
131 100
133 94.4 48.4 145.2
119 67.4 33.6 100.6





#67

Ethyl Benzene

Concen: 19.954 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleID :

VU0831MBSD01

Tot Ion: 91 Resp: 474983

Ion Ratio Lower Upper

91 100

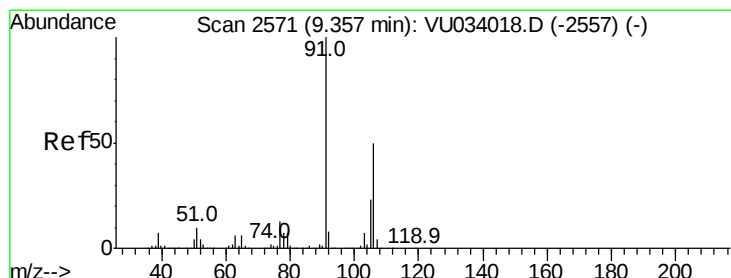
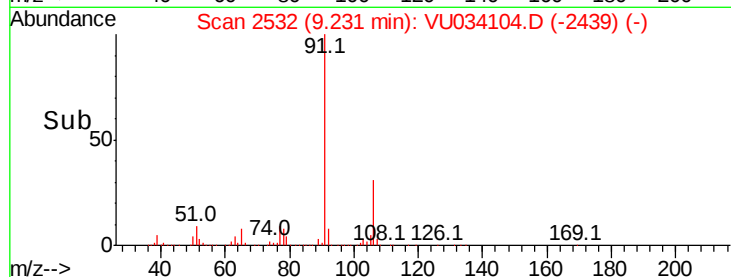
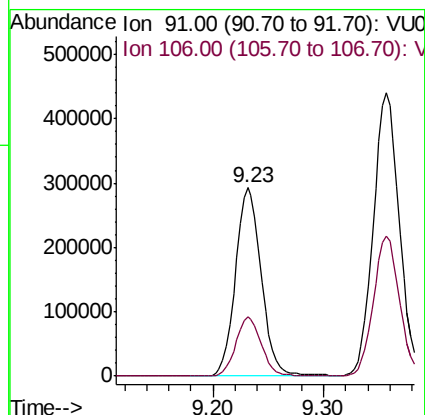
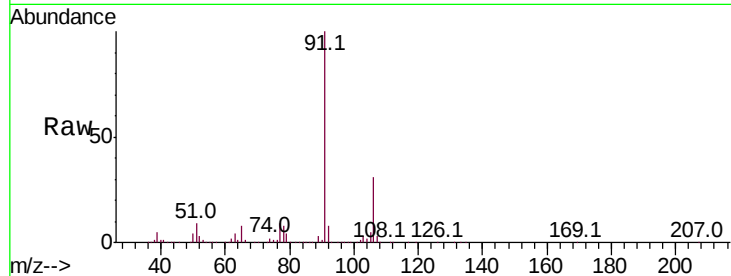
106 31.2 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 40.144 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034104.D

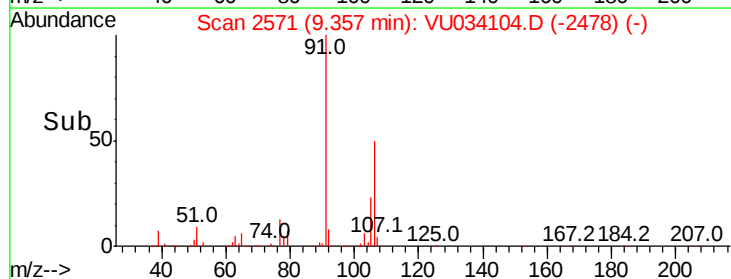
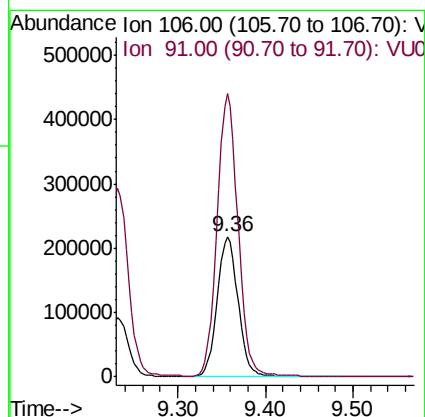
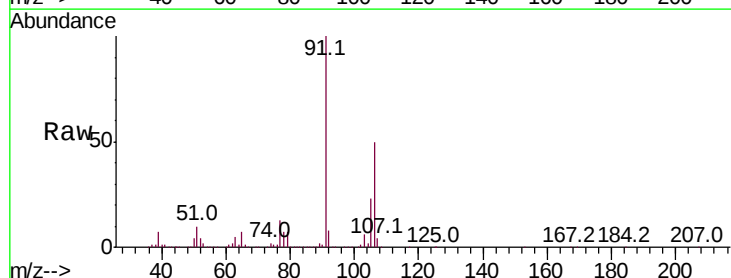
Acq: 30 Aug 2019 17:27

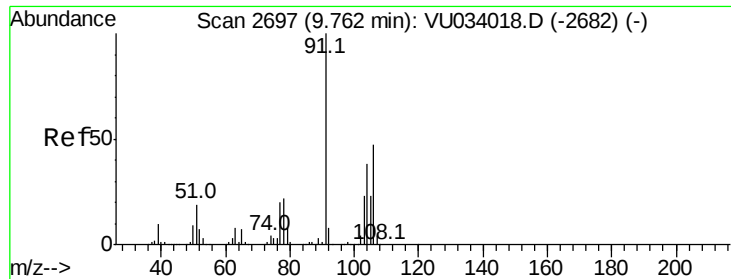
Tgt Ion: 106 Resp: 363352

Ion Ratio Lower Upper

106 100

91 201.4 161.6 242.4





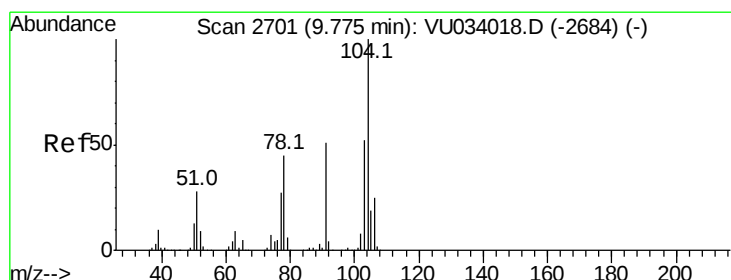
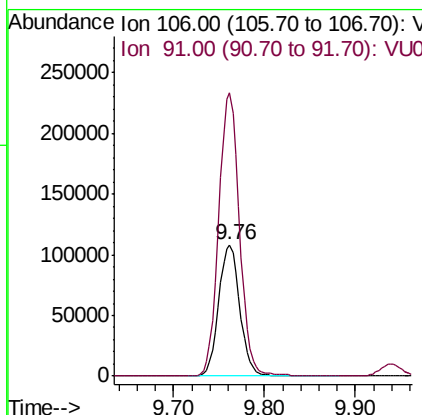
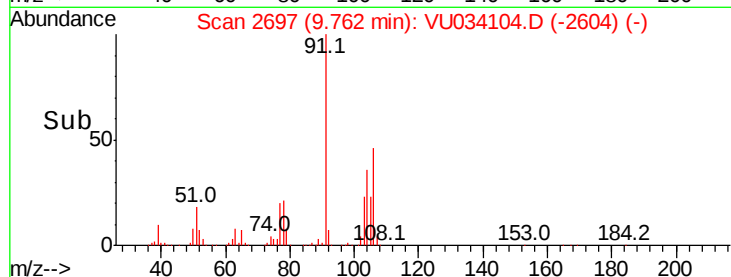
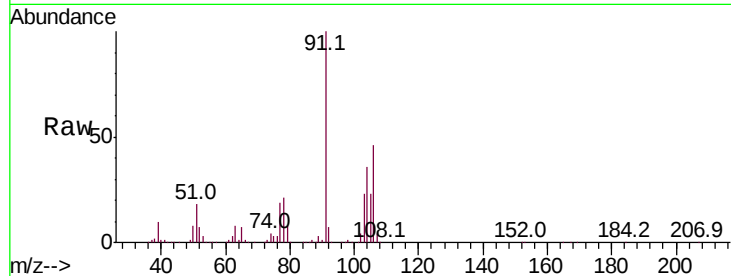
#69
o-Xylene
Concen: 20.094 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleID :
VU0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	174490		
91	211.7	106.0	318.0	

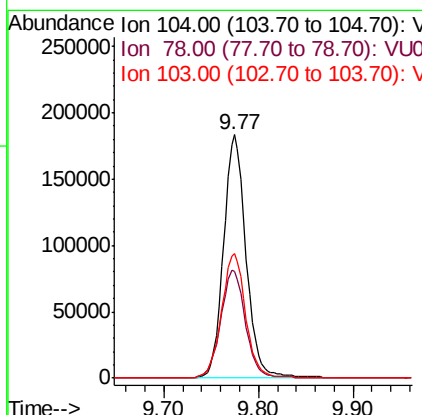
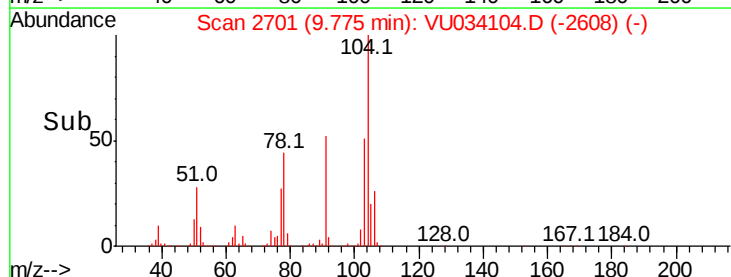
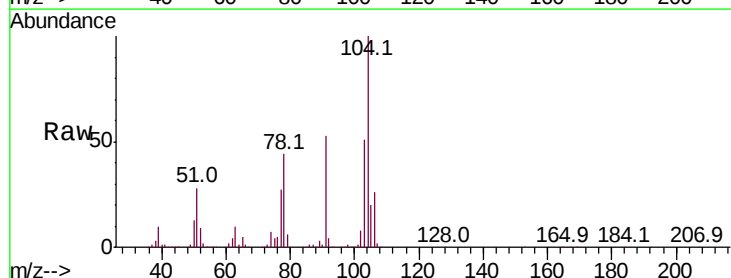
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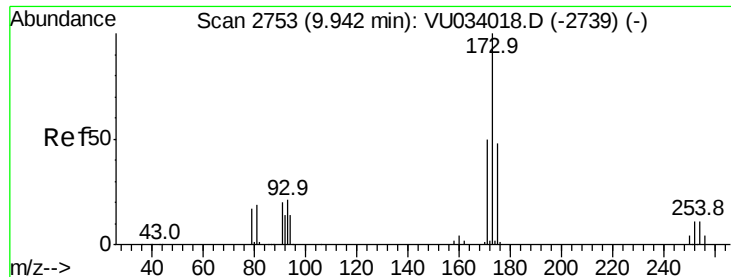
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#70
Styrene
Concen: 20.455 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	304552		
78	48.8	39.0	58.4	
103	54.8	44.0	66.0	





#71

Bromoform

Concen: 18.070 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion:173 Resp: 79942

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.6

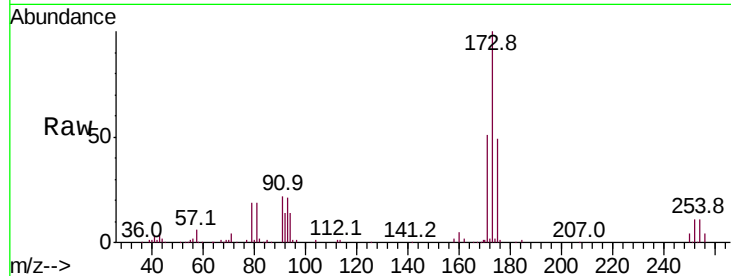
254 0.0 0.0 0.0

Manual Integrations

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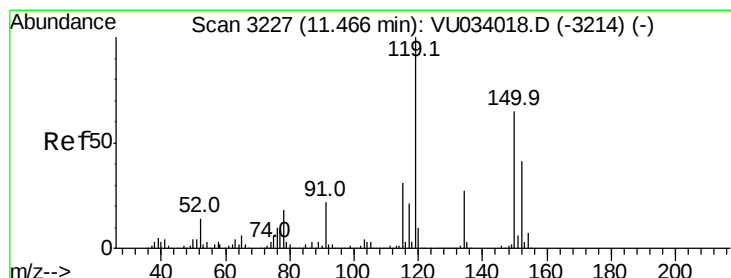
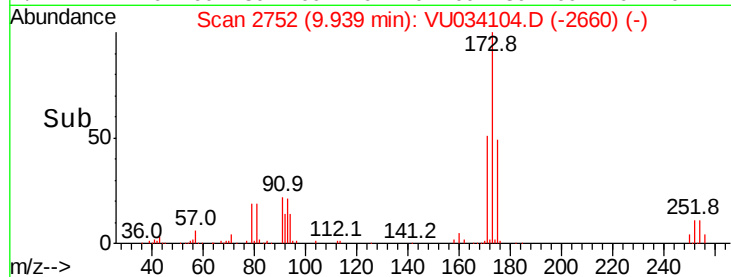
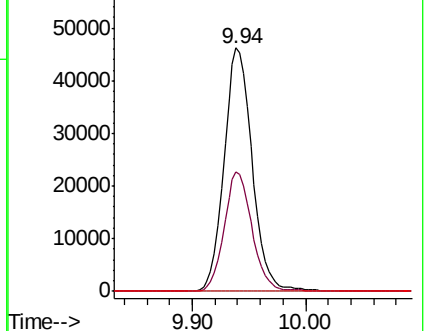
8/31/2019 11:24:59 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

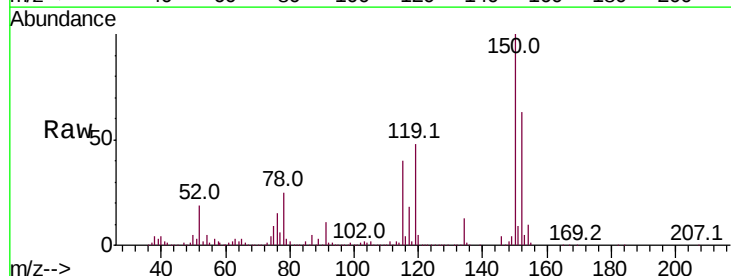
Tgt Ion:152 Resp: 354913

Ion Ratio Lower Upper

152 100

115 64.9 41.1 123.3

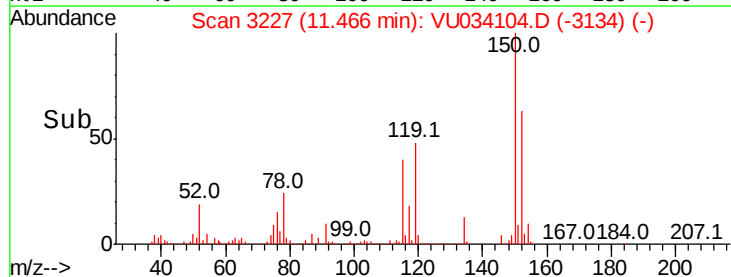
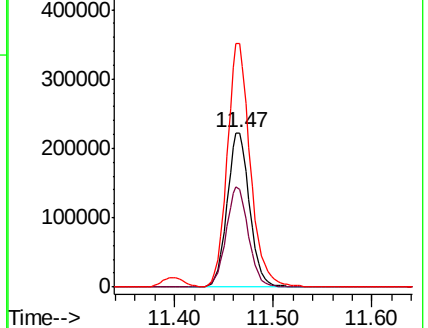
150 161.4 0.0 348.8

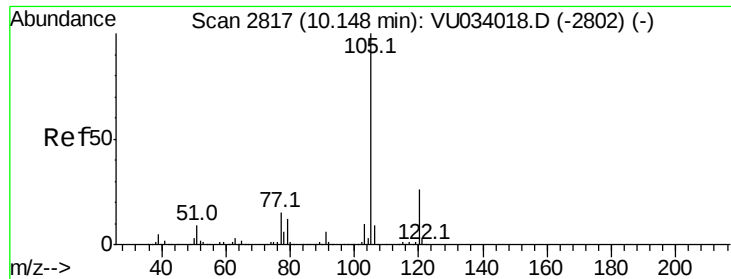


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.346 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion:105 Resp: 461191

Ion Ratio Lower Upper

105 100

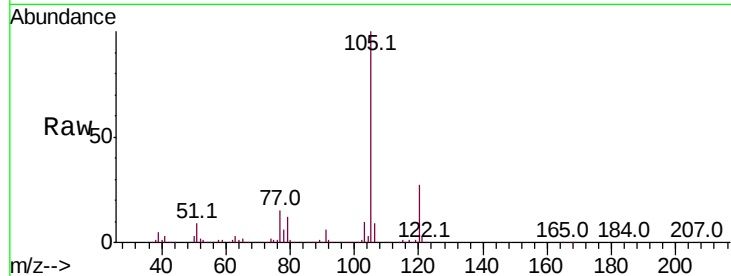
120 26.5 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.15

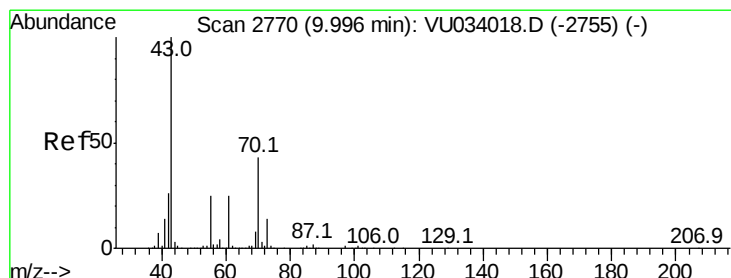
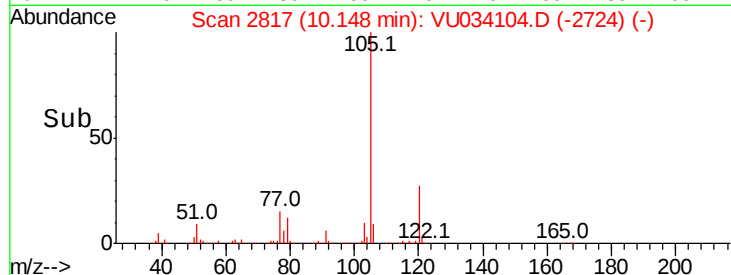
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.674 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion: 43 Resp: 197262

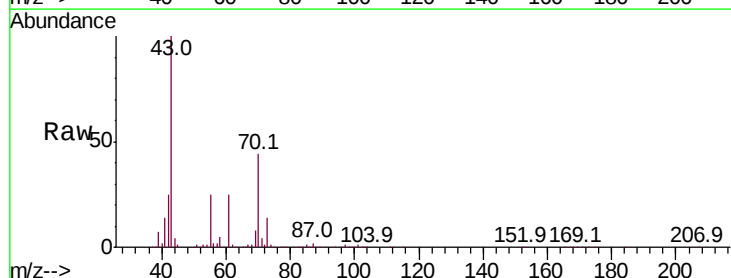
Ion Ratio Lower Upper

43 100

70 45.8 35.2 52.8

55 29.3 20.5 30.7

61 24.7 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.00

200000

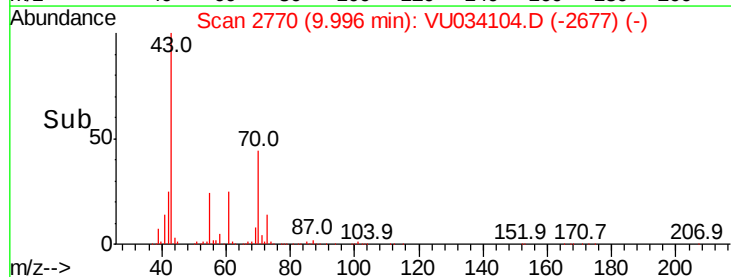
150000

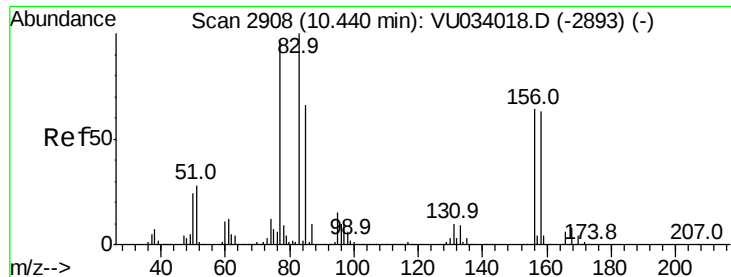
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.886 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 83 Resp: 172322

Ion Ratio Lower Upper

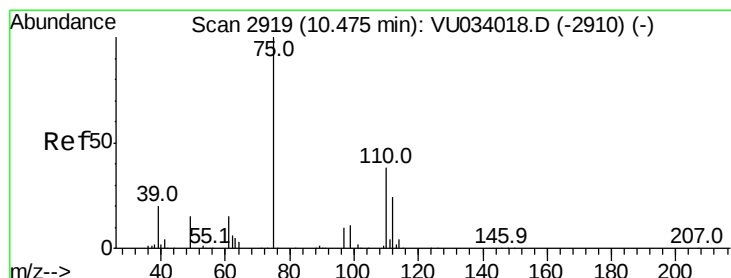
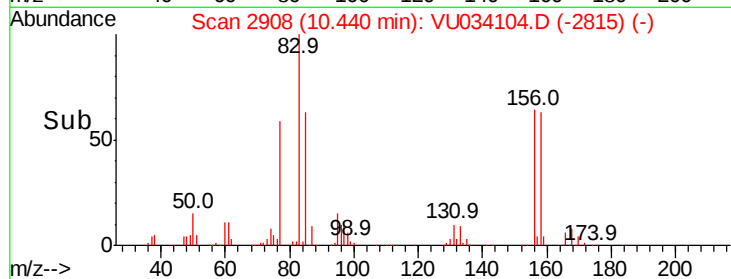
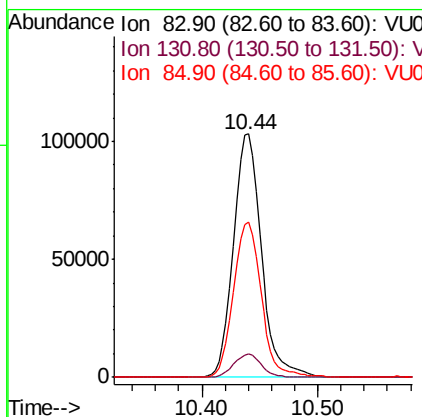
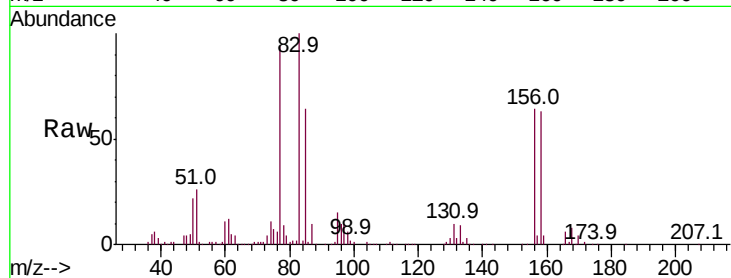
83 100

131 9.3 5.0 14.9

85 63.5 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.039 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034104.D

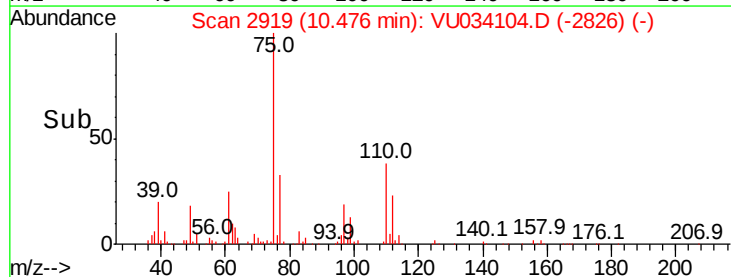
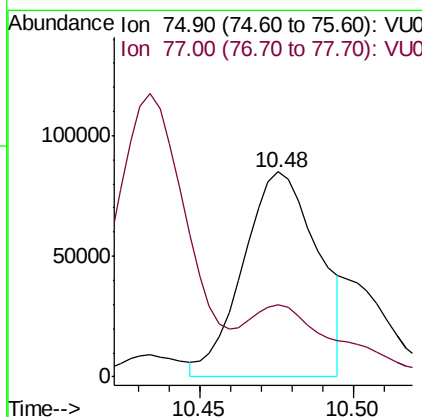
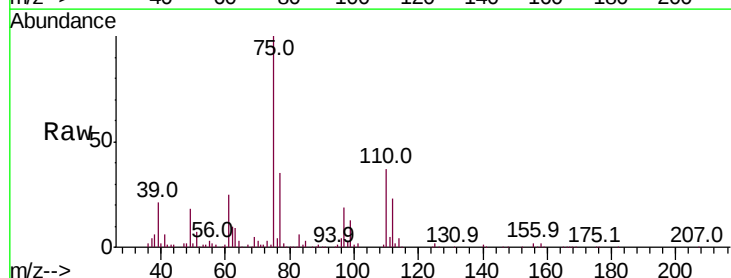
Acq: 30 Aug 2019 17:27

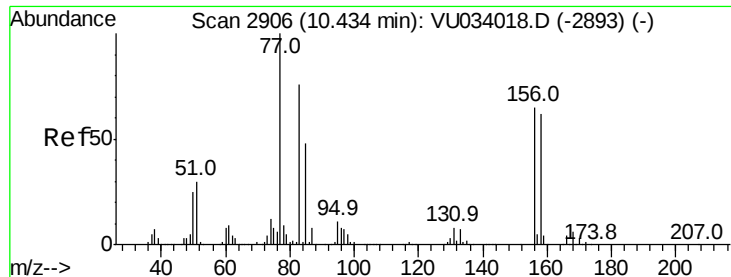
Tgt Ion: 75 Resp: 144299

Ion Ratio Lower Upper

75 100

77 41.5 20.1 60.2





#77

Bromobenzene

Concen: 19.506 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

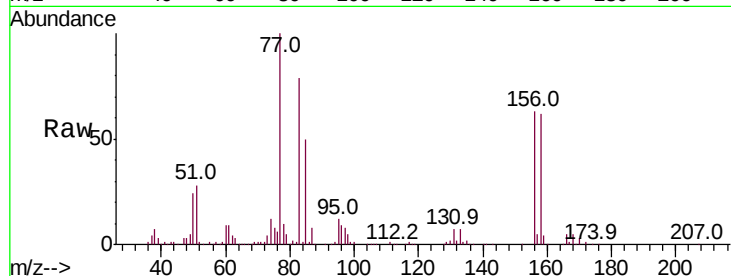
ClientSampleId :

VU0831MBSD01

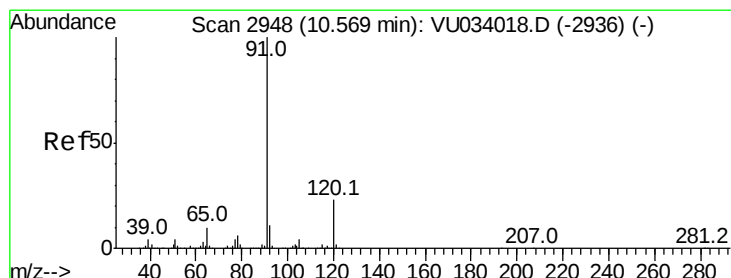
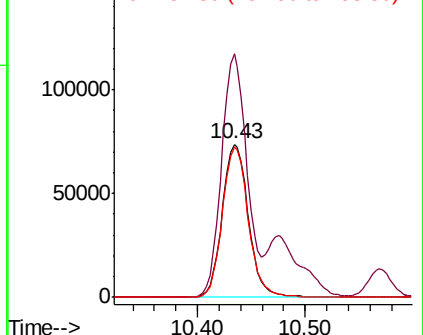
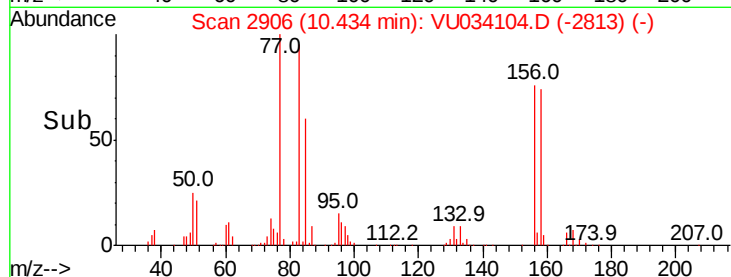
Tot Ion:	156	Resp:	125091
Ion Ratio	Lower	Upper	
156	100		
77	153.4	76.8	230.5
158	97.4	48.4	145.0

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.943 ug/l

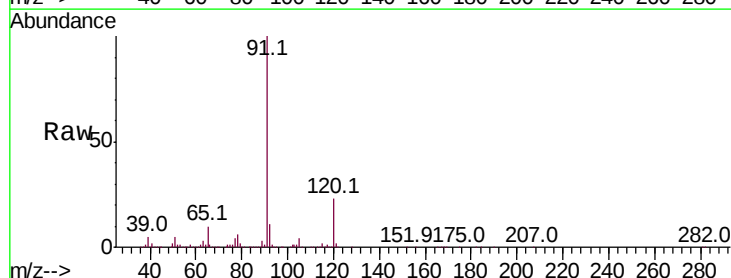
RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

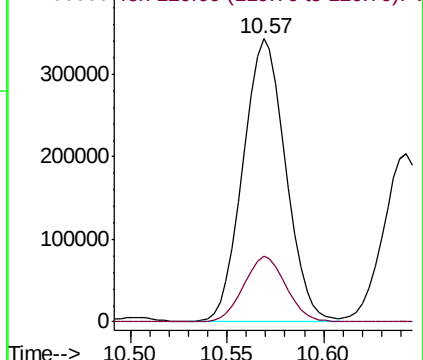
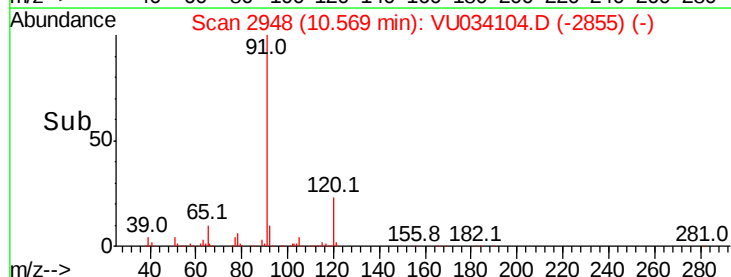
Lab File: VU034104.D

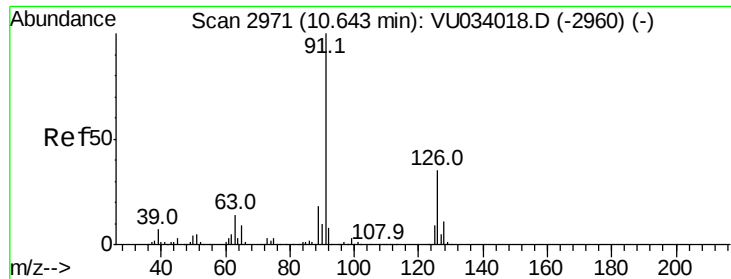
Acq: 30 Aug 2019 17:27

Tgt Ion:	91	Resp:	525905
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VU
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.521 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion: 91 Resp: 325067

Ion Ratio Lower Upper

91 100

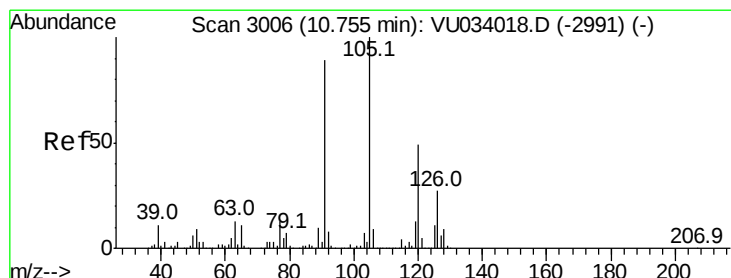
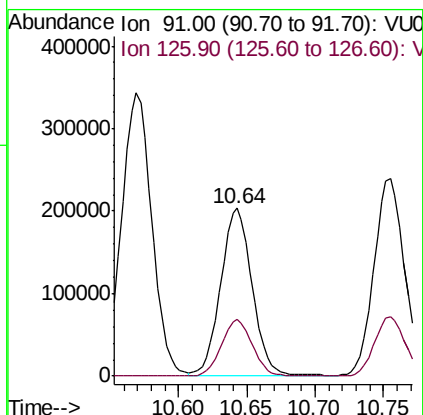
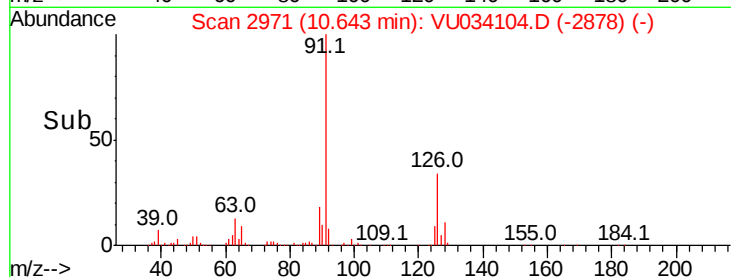
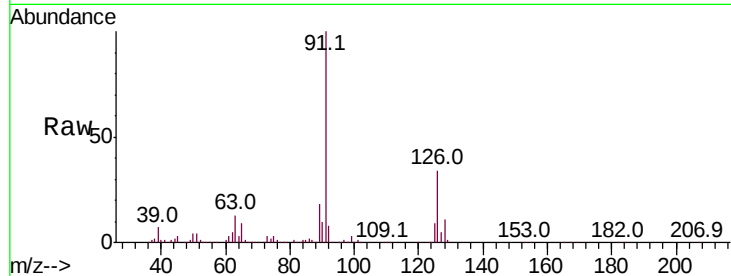
126 33.5 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.099 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034104.D

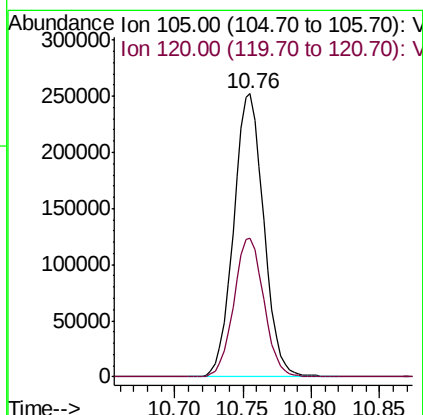
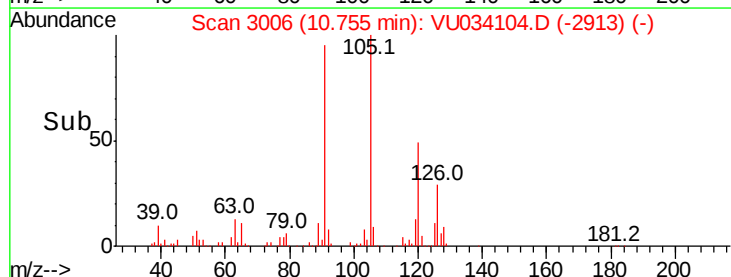
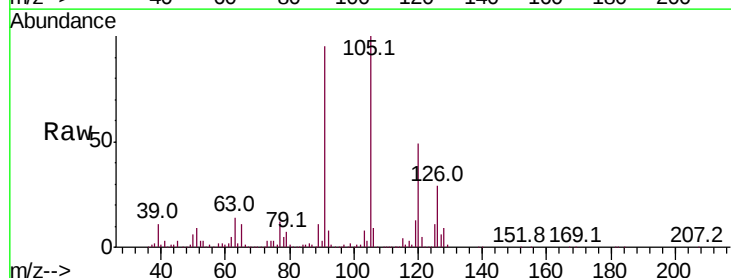
Acq: 30 Aug 2019 17:27

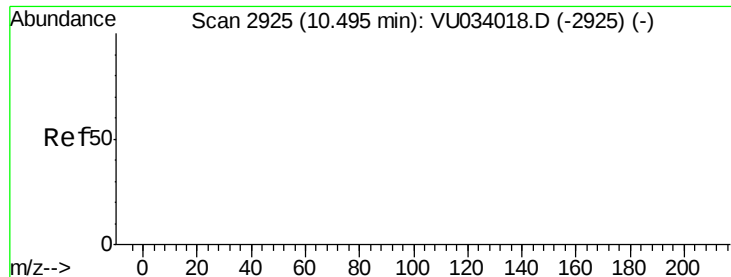
Tgt Ion:105 Resp: 385897

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.360 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034104.D

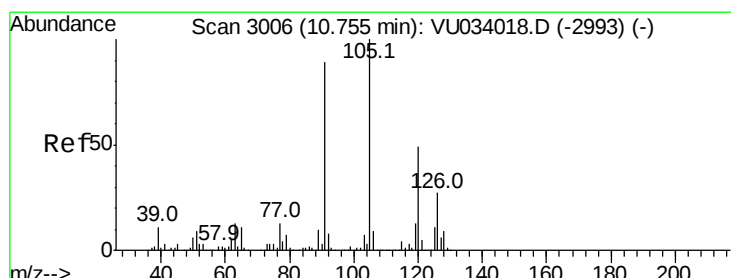
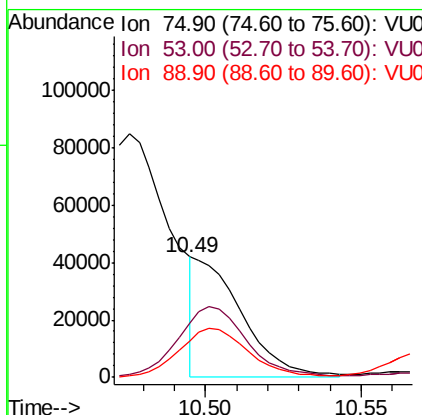
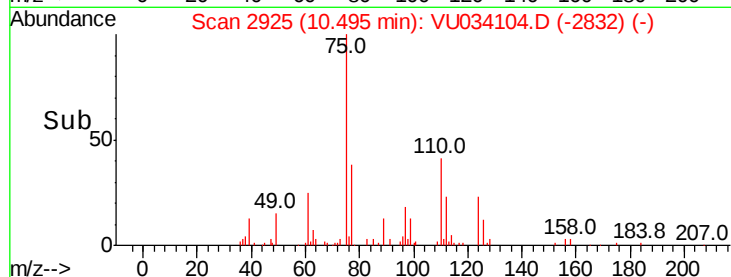
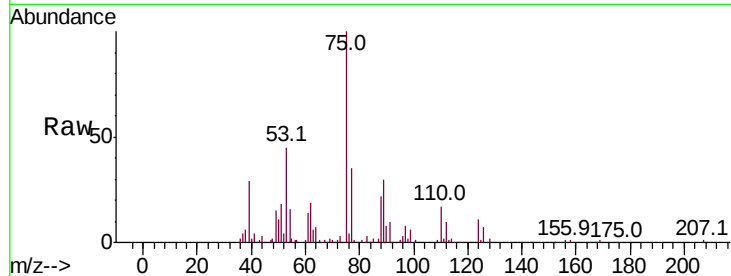
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBS01

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

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#82

4-Chlorotoluene

Concen: 19.727 ug/l

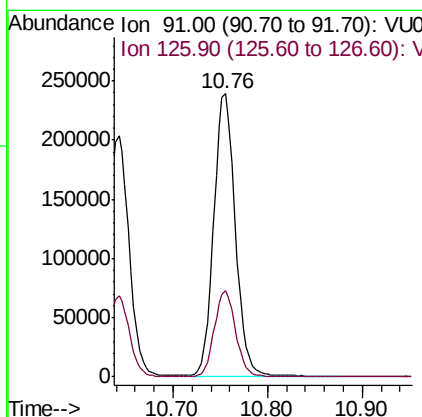
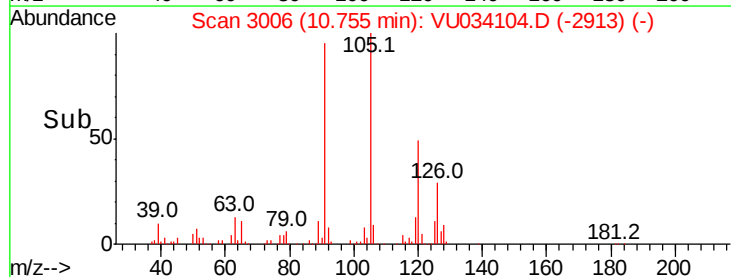
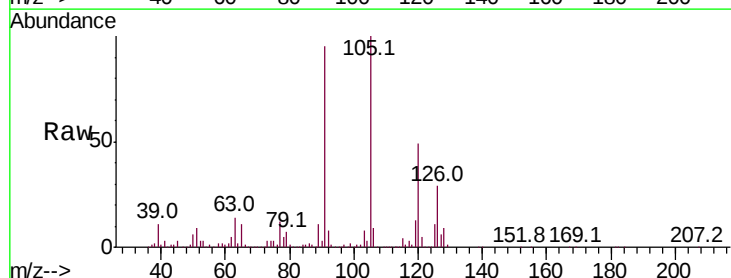
RT: 10.76 min Scan# 3006

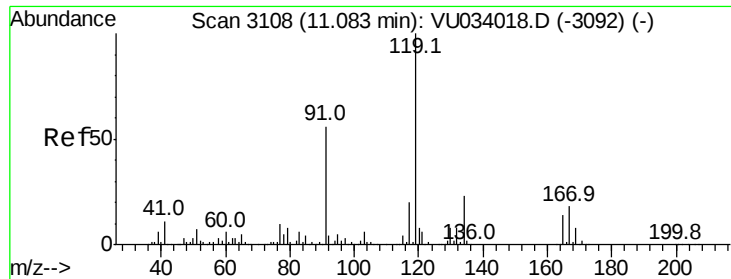
Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.0	45.1





#83

tert-Butylbenzene

Concen: 17.813 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

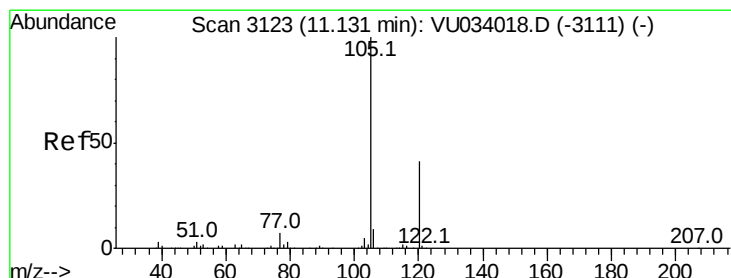
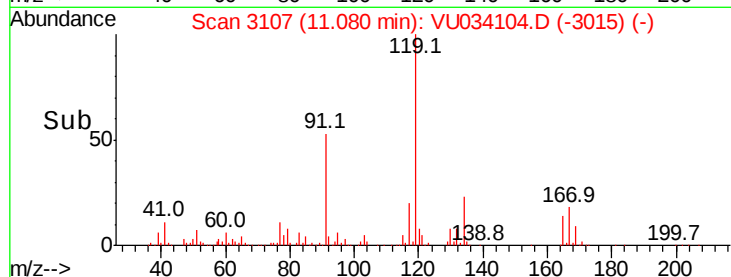
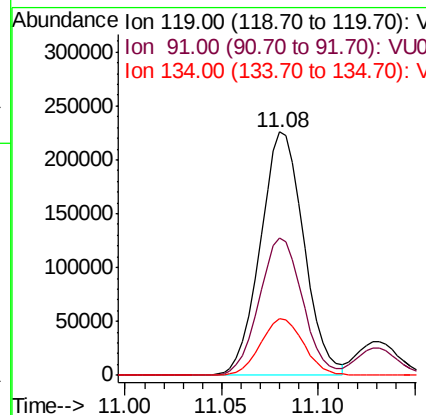
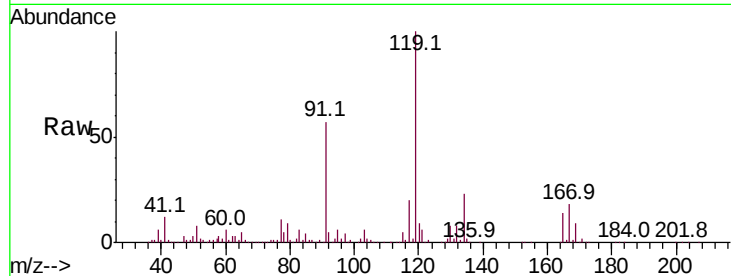
ClientSampleId :

VU0831MBSD01

Tot Ion:	119	Resp:	354305
Ion Ratio	Lower	Upper	
119	100		
91	55.7	27.9	83.6
134	23.3	11.4	34.2

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.444 ug/l

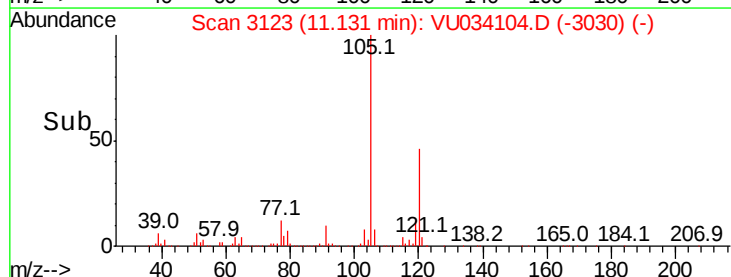
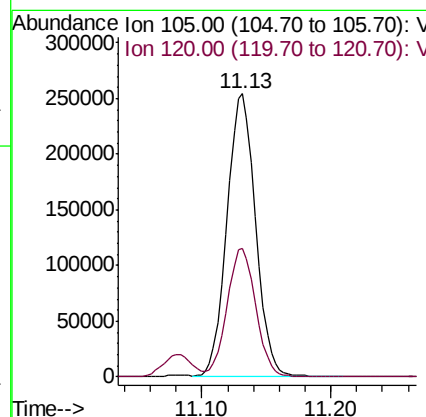
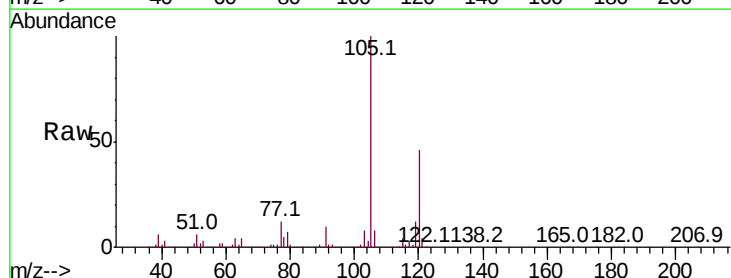
RT: 11.13 min Scan# 3123

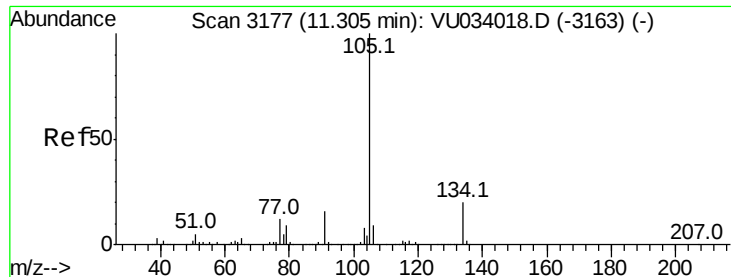
Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Tgt Ion:	105	Resp:	390124
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 17.018 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

Instrument :

MSVOA_U

ClientSampleId :

VU0831MBSD01

Tot Ion:105 Resp: 405700

Ion Ratio Lower Upper

105 100

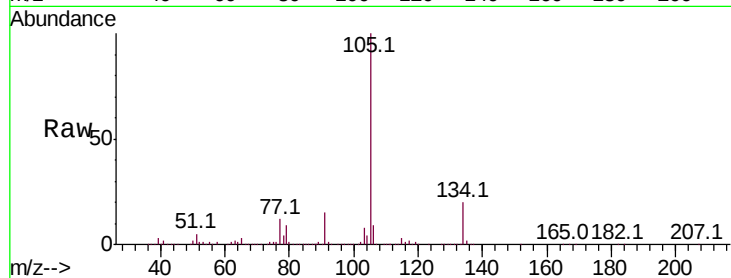
134 20.4 10.0 30.0

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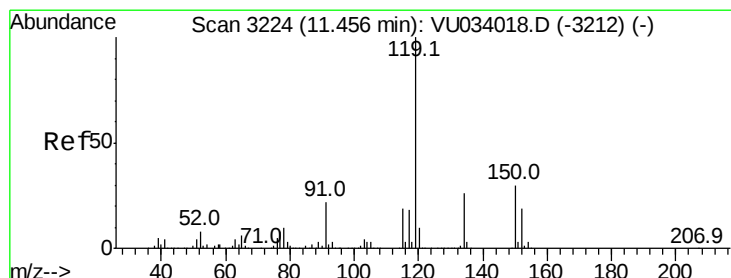
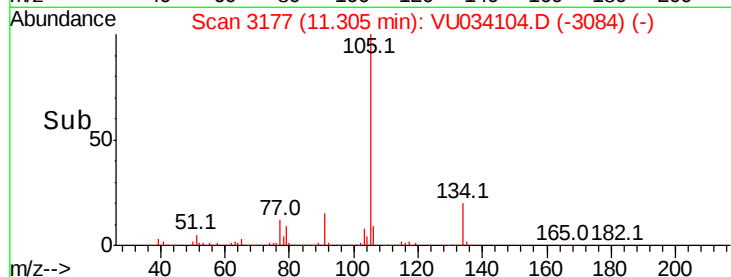
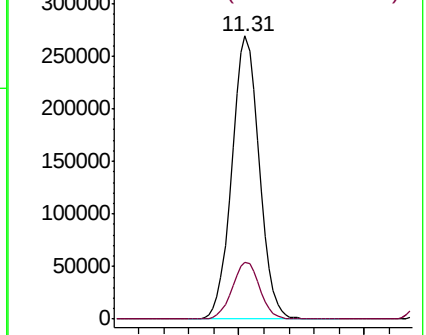
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.319 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034104.D

Acq: 30 Aug 2019 17:27

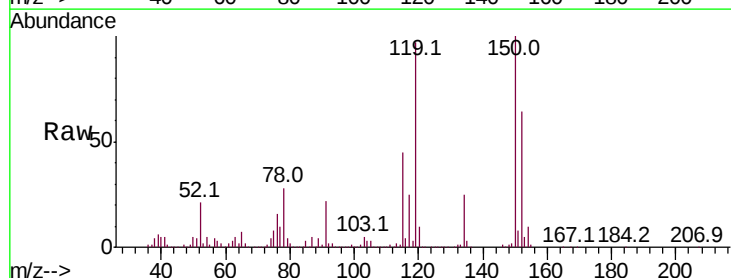
Tgt Ion:119 Resp: 373411

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

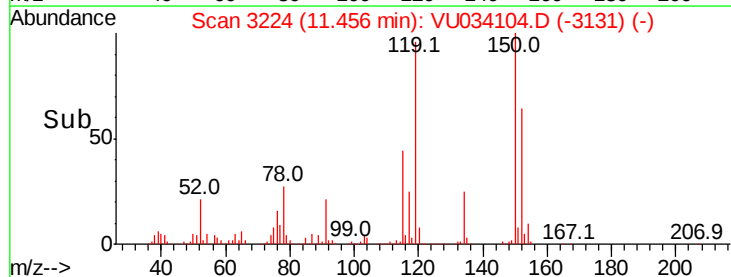
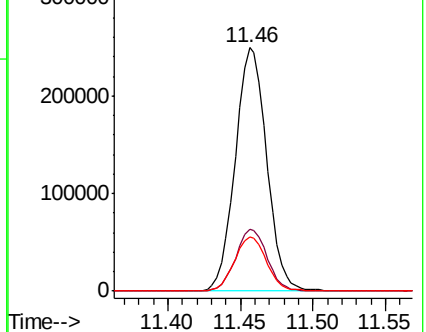
91 22.4 11.2 33.6

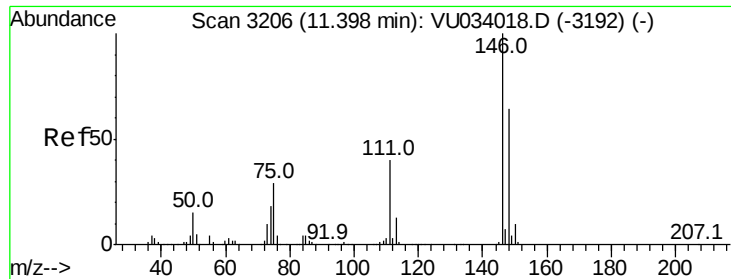


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





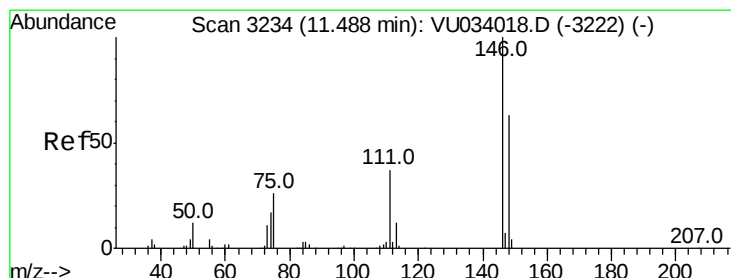
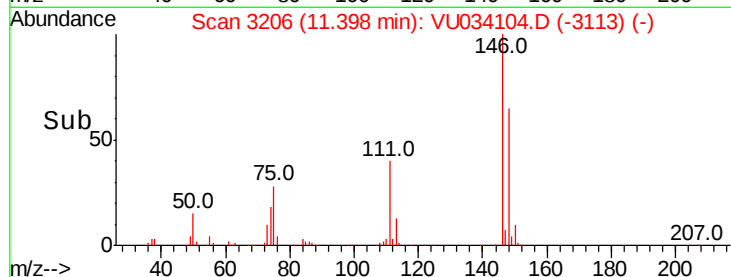
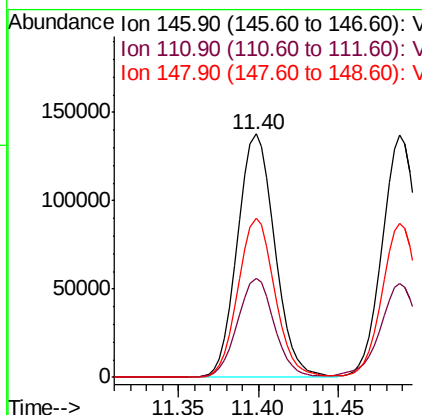
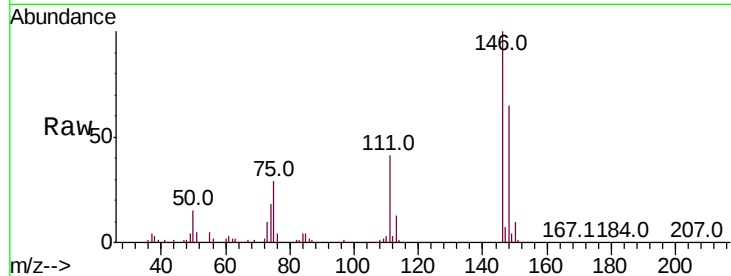
#87
 1,3-Dichlorobenzene
 Concen: 19.306 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampled :
 VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	64.6	31.9	95.5

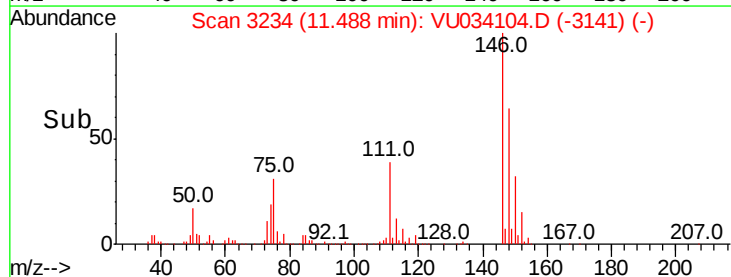
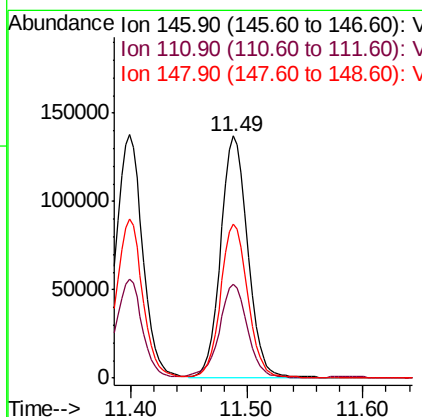
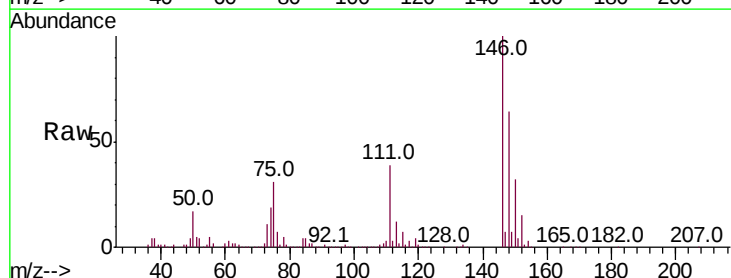
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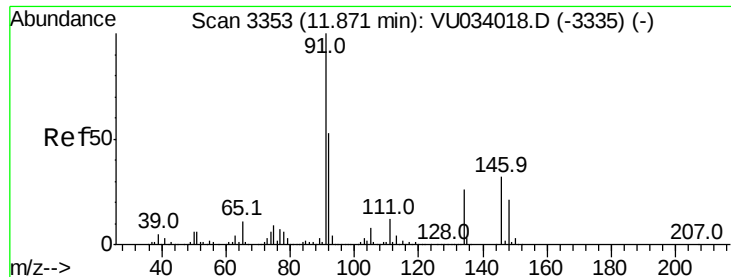
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#88
 1,4-Dichlorobenzene
 Concen: 19.229 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.2	57.6
148	63.8	31.9	95.9





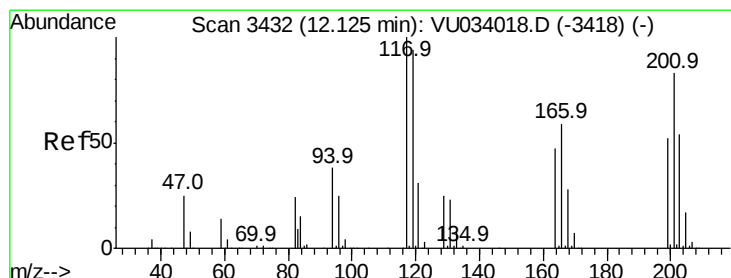
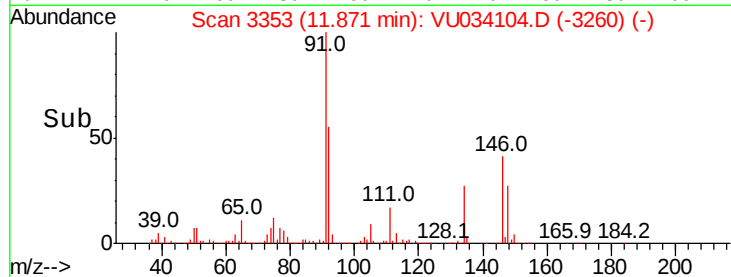
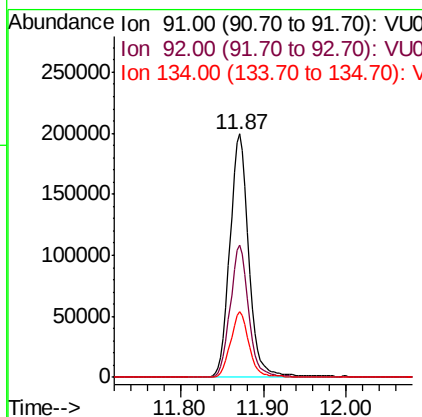
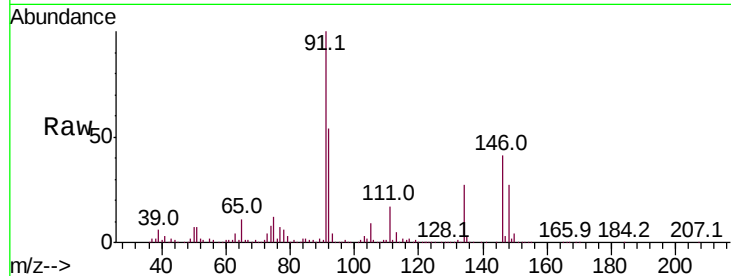
#89
n-Butylbenzene
Concen: 16.680 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampleId :
VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	26.0	12.9	38.7

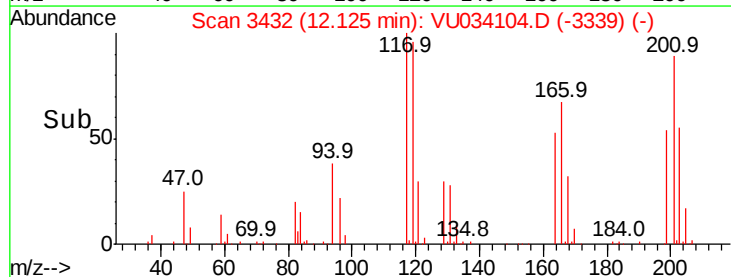
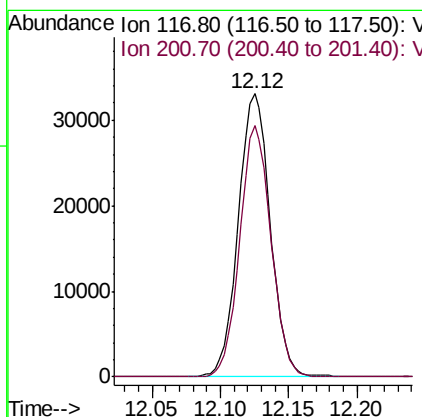
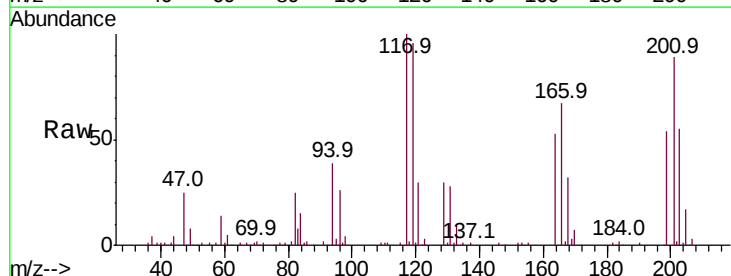
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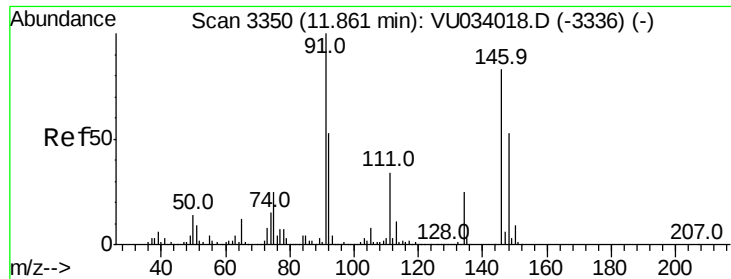
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#90
Hexachloroethane
Concen: 14.445 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	42.5	127.6





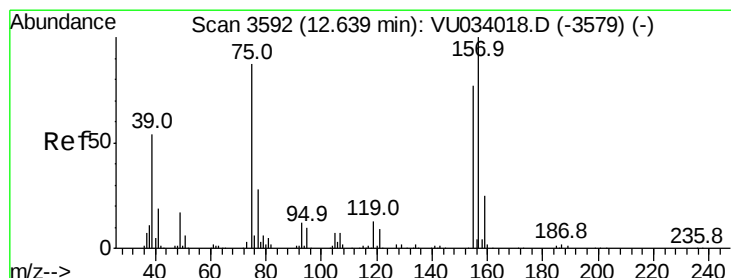
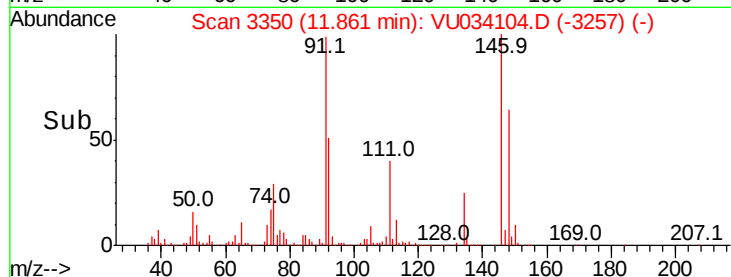
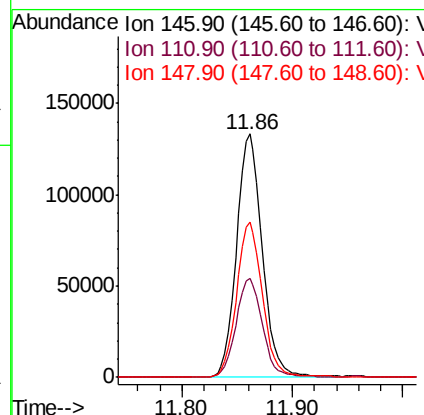
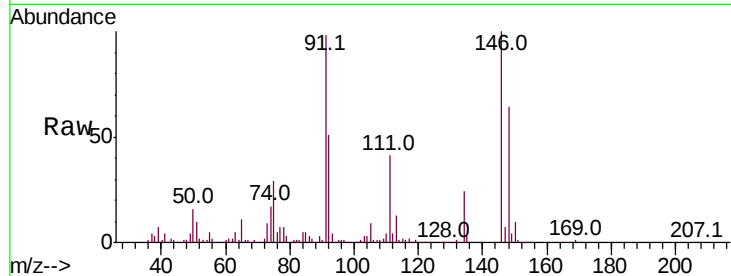
#91
 1,2-Dichlorobenzene
 Concen: 19.803 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.2
148	64.1	32.3	96.8

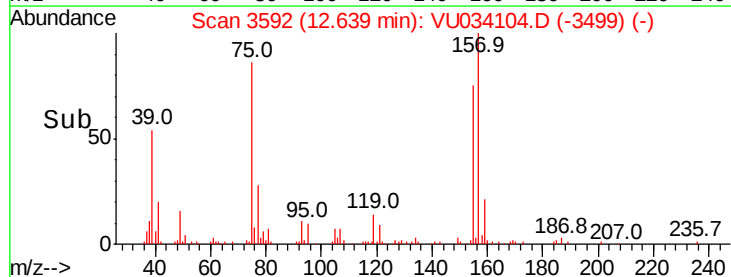
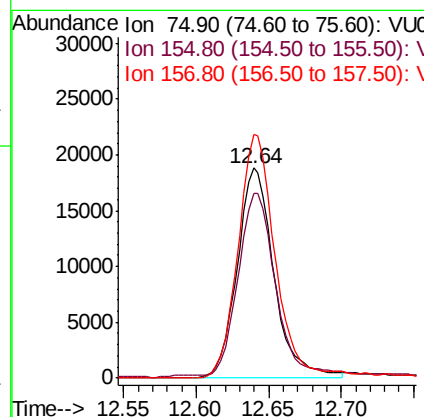
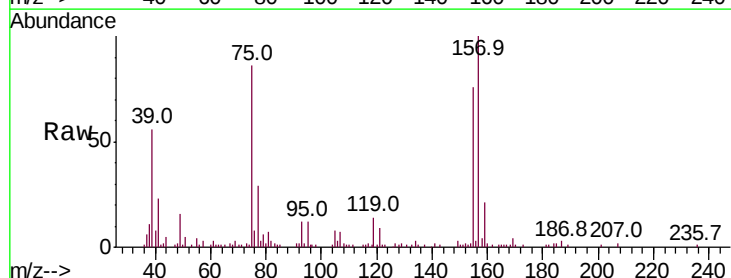
Manual Integrations
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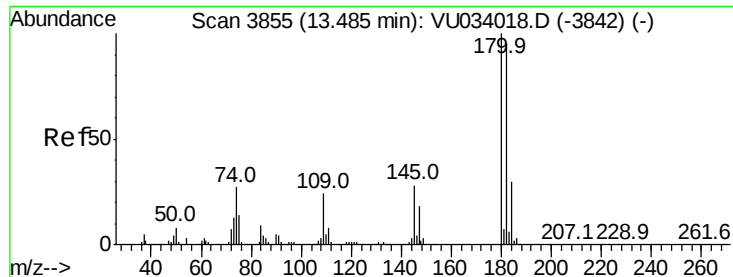
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.260 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.5	130.7
157	115.5	56.9	170.6





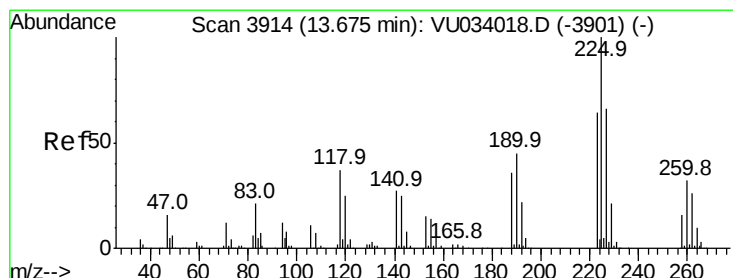
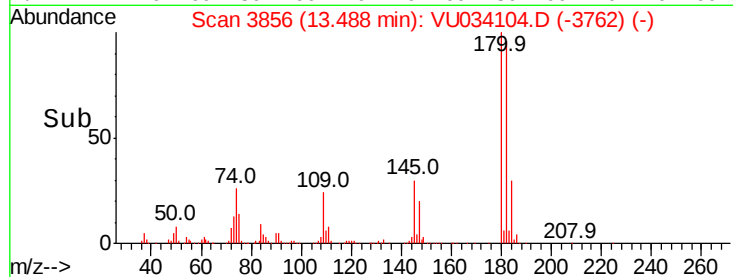
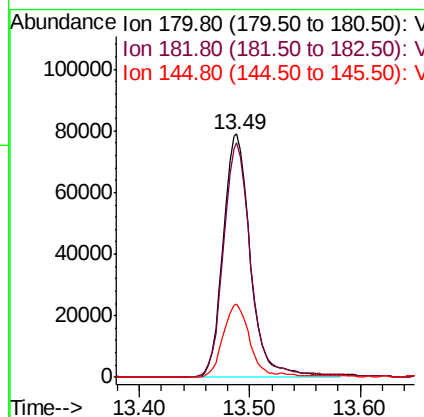
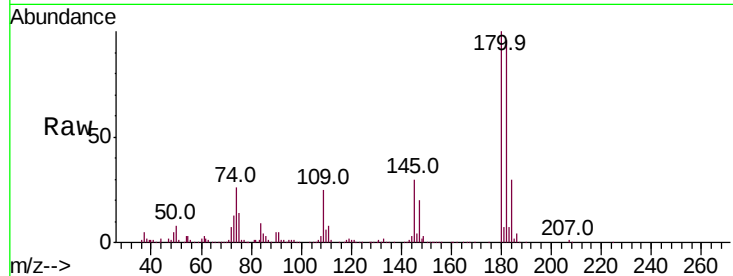
#93
 1,2,4-Trichlorobenzene
 Concen: 18.335 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831MBSD01

Tot Ion:	180	Resp:	136248
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.2
145	29.9	14.1	42.3

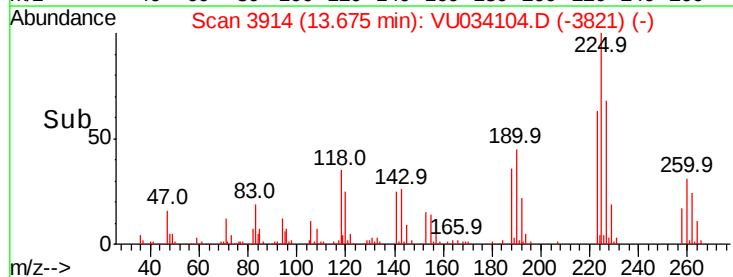
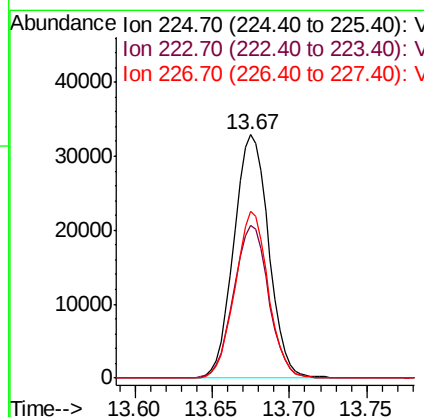
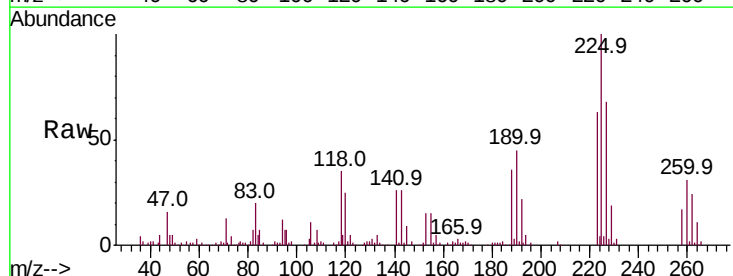
Manual Integrations
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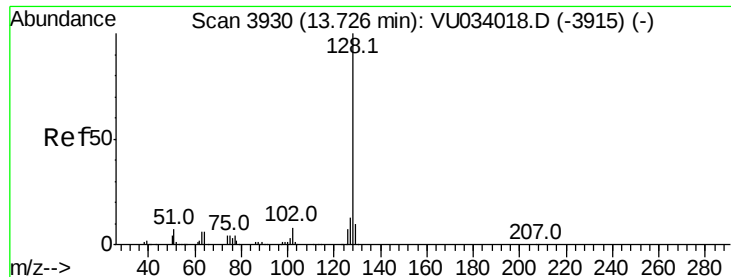
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 8/31/2019 11:24:59 AM



#94
 Hexachlorobutadiene
 Concen: 12.055 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034104.D
 Acq: 30 Aug 2019 17:27

Tgt Ion:	225	Resp:	51287
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.8	95.3
227	65.3	32.6	97.8





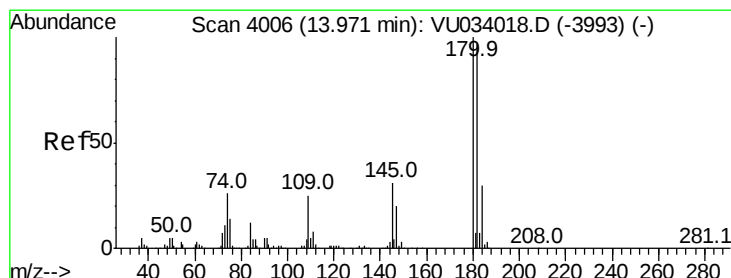
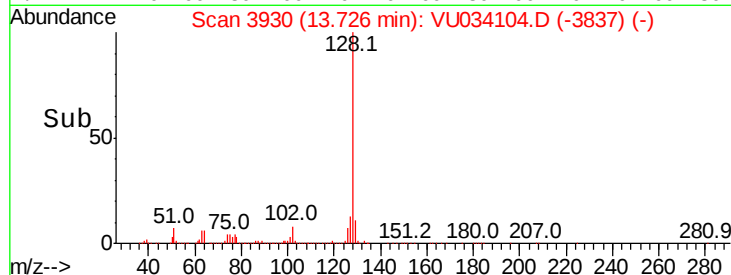
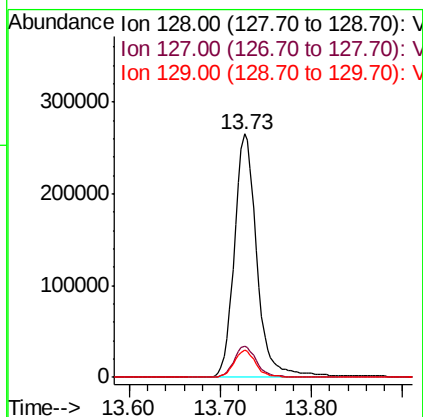
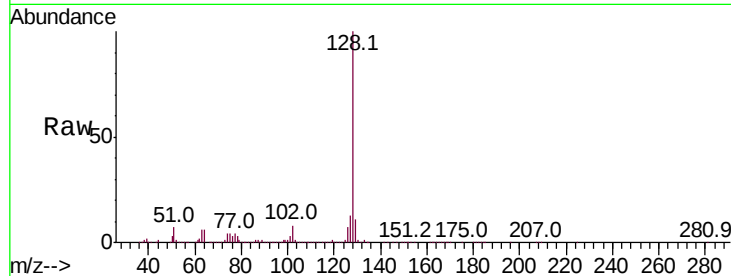
#95
Naphthalene
Concen: 21.613 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Instrument :
MSVOA_U
ClientSampled :
VU0831MBSD01

Tot Ion:128	Resp:	455456
Ion Ratio	Lower	Upper
128 100		
127 12.9	10.2	15.4
129 10.6	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.895 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034104.D
Acq: 30 Aug 2019 17:27

Tgt Ion:180	Resp:	138605
Ion Ratio	Lower	Upper
180 100		
182 95.3	48.2	144.6
145 35.8	15.5	46.5

