

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029243.D
 Acq On : 21 Jan 2019 12:56
 Operator : JC/SP
 Sample : VU0121WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:22 AM

Quant Time: Jan 22 01:49:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	115274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72235	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	4.88	113	61727	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	7.56	98	234403	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	10.30	95	83140	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20165	17.639	ug/l	98
3) Chloromethane	1.33	50	29792	15.851	ug/l	98
4) Vinyl Chloride	1.40	62	28994	17.210	ug/l	98
5) Bromomethane	1.62	94	16287	16.787	ug/l	99
6) Chloroethane	1.69	64	17678	17.617	ug/l	100
7) Trichlorofluoromethane	1.88	101	32952	17.950	ug/l	100
8) Diethyl Ether	2.10	74	16512	18.723	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22624	18.419	ug/l	98
10) Methyl Iodide	2.41	142	23952	20.739	ug/l	99
11) Tert butyl alcohol	2.82	59	37095	102.411	ug/l	97
12) 1,1-Dichloroethene	2.28	96	21412	17.910	ug/l	97
13) Acrolein	2.19	56	18236	67.048	ug/l	100
14) Allyl chloride	2.59	41	44749m	20.400	ug/l	
15) Acrylonitrile	2.93	53	93689	105.429	ug/l	99
16) Acetone	2.32	43	100243	111.666	ug/l	99
17) Carbon Disulfide	2.48	76	63840	15.744	ug/l	99
18) Methyl Acetate	2.61	43	49848	23.881	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	80844	19.234	ug/l	99
20) Methylene Chloride	2.70	84	27462	18.018	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	24626	17.729	ug/l	98
22) Diisopropyl ether	3.57	45	88132	20.328	ug/l	94
23) Vinyl Acetate	3.52	43	349087	98.494	ug/l	99
24) 1,1-Dichloroethane	3.45	63	49198	19.658	ug/l	99
25) 2-Butanone	4.26	43	133463	110.075	ug/l	98
26) 2,2-Dichloropropane	4.22	77	39697	19.630	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	29294	19.283	ug/l	99
28) Bromochloromethane	4.55	49	22290	20.799	ug/l	94
29) Tetrahydrofuran	4.63	42	78484	106.725	ug/l	97
30) Chloroform	4.67	83	47199	19.800	ug/l	95
31) Cyclohexane	4.99	56	44570	18.150	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	38049	19.317	ug/l	98
36) 1,1-Dichloropropene	5.13	75	34528	18.742	ug/l	97
37) Ethyl Acetate	4.38	43	42203	20.870	ug/l	99
38) Carbon Tetrachloride	5.13	117	30658	19.953	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	40363	17.822	ug/l	98
40) Benzene	5.39	78	111105	19.334	ug/l	99
41) Methacrylonitrile	4.54	41	23844	22.028	ug/l	98
42) 1,2-Dichloroethane	5.40	62	35759	20.708	ug/l	100
43) Isopropyl Acetate	5.55	43	67080	21.625	ug/l	98
44) Trichloroethene	6.19	130	26426	18.560	ug/l	98
45) 1,2-Dichloropropane	6.43	63	30821	20.310	ug/l	99
46) Dibromomethane	6.56	93	19444	20.043	ug/l	98
47) Bromodichloromethane	6.76	83	36257	20.299	ug/l	99
48) Methyl methacrylate	6.62	41	32376	21.434	ug/l	98
49) 1,4-Dioxane	6.61	88	16244	453.800	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	230279	109.079	ug/l	98
52) Toluene	7.63	92	66947	19.137	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	42234	19.684	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	45693	19.708	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	28230	20.143	ug/l	97
56) Ethyl methacrylate	8.02	69	42495	19.681	ug/l	96
57) 1,3-Dichloropropane	8.24	76	47978	20.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	94088	99.087	ug/l	99
59) 2-Hexanone	8.36	43	179369	108.240	ug/l	100
60) Dibromochloromethane	8.48	129	27954	20.133	ug/l	99
61) 1,2-Dibromoethane	8.58	107	29625	19.490	ug/l	100
64) Tetrachloroethene	8.22	164	22966	18.697	ug/l	95
65) Chlorobenzene	9.12	112	72822	19.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26097	21.039	ug/l	97
67) Ethyl Benzene	9.25	91	124316	19.481	ug/l	99
68) m/p-Xylenes	9.37	106	92666	37.372	ug/l	97
69) o-Xylene	9.78	106	46436	19.436	ug/l	99
70) Styrene	9.79	104	75048	19.162	ug/l	99
71) Bromoform	9.96	173	22852	20.690	ug/l	# 99
73) Isopropylbenzene	10.16	105	122502	20.312	ug/l	99
74) N-amyl acetate	10.01	43	54771	21.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	51209	21.185	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43937m	22.008	ug/l	
77) Bromobenzene	10.45	156	31365	19.956	ug/l	98
78) n-propylbenzene	10.58	91	146837	20.659	ug/l	98
79) 2-Chlorotoluene	10.66	91	85947	19.934	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	102233	20.299	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	14944m	19.305	ug/l	
82) 4-Chlorotoluene	10.77	91	97330	19.687	ug/l	100
83) tert-Butylbenzene	11.10	119	91329	18.398	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	97593	19.408	ug/l	96
85) sec-Butylbenzene	11.32	105	120295	20.037	ug/l	99
86) p-Isopropyltoluene	11.47	119	102348	20.007	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	52394	18.174	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	53955	18.132	ug/l	98
89) n-Butylbenzene	11.89	91	89363	19.572	ug/l	99
90) Hexachloroethane	12.14	117	17763	20.640	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	51238	17.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10412	22.396	ug/l	92

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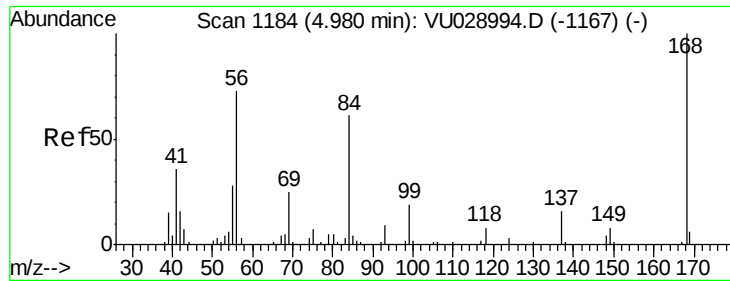
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	30441	16.423	ug/l	100
94) Hexachlorobutadiene	13.69	225	15988	18.858	ug/l	99
95) Naphthalene	13.74	128	95881	15.206	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31376	16.963	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:168 Resp: 115274

Ion Ratio Lower Upper

168 100

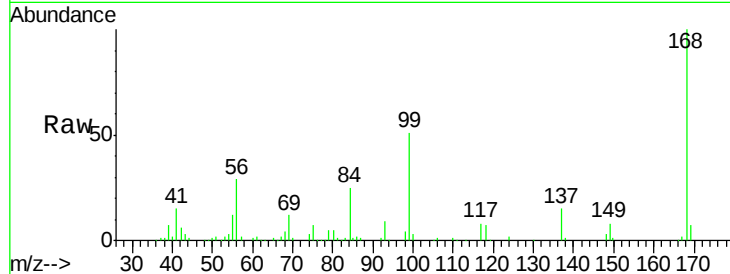
99 51.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

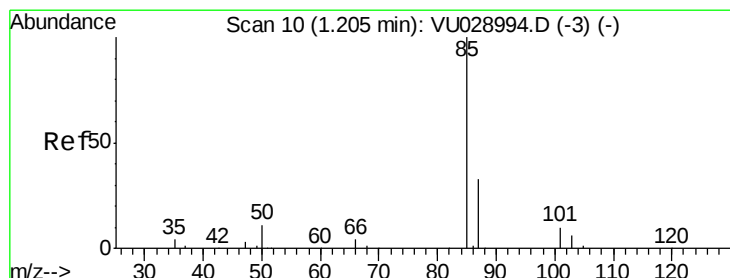
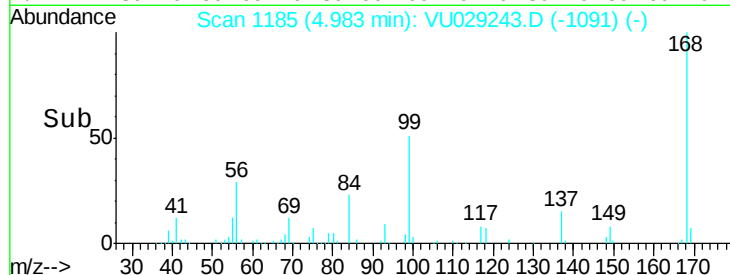
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.639 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029243.D

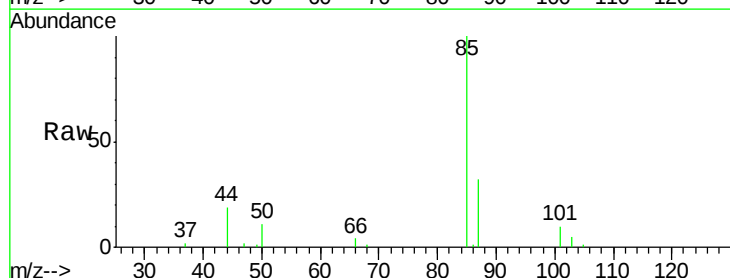
Acq: 21 Jan 2019 12:56

Tgt Ion: 85 Resp: 20165

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

25000

20000

15000

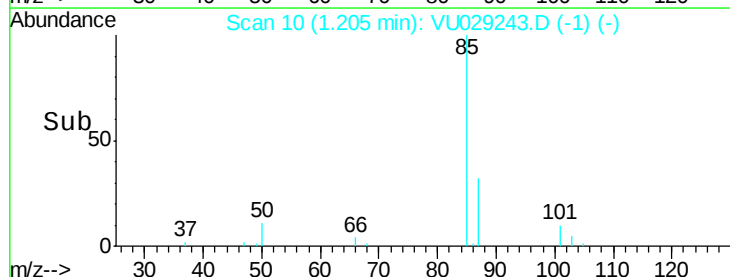
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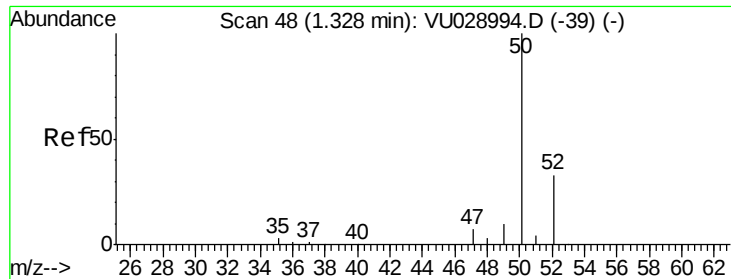
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 15.851 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 50 Resp: 29792

Ion Ratio Lower Upper

50 100

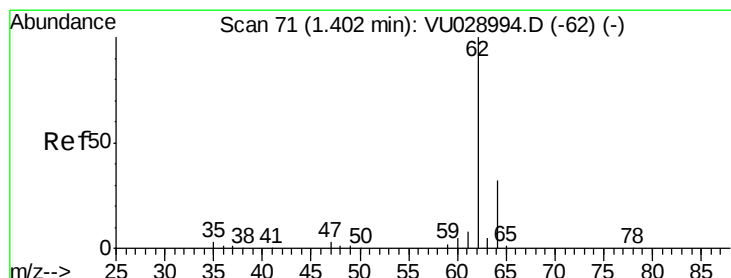
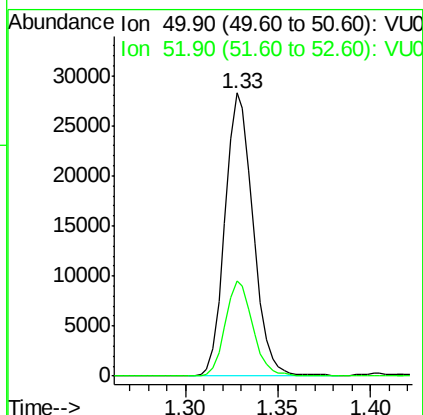
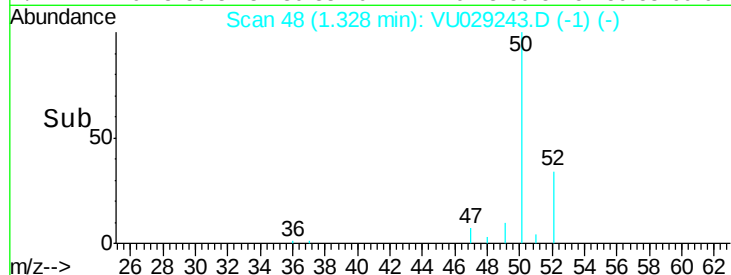
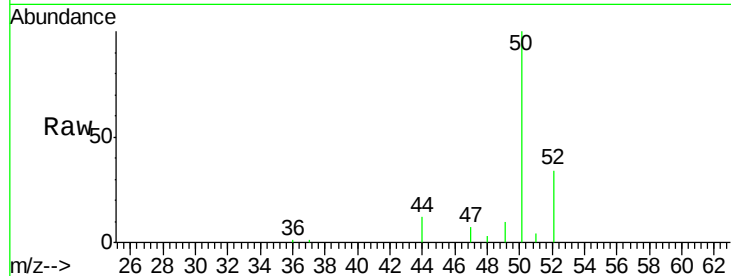
52 33.5 26.1 39.1

Manual Integrations

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1/22/2019 10:40:22 AM



#4

Vinyl Chloride

Concen: 17.210 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029243.D

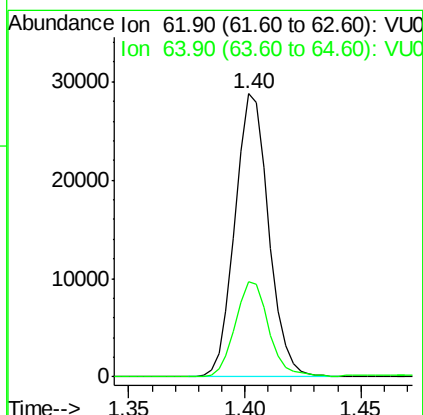
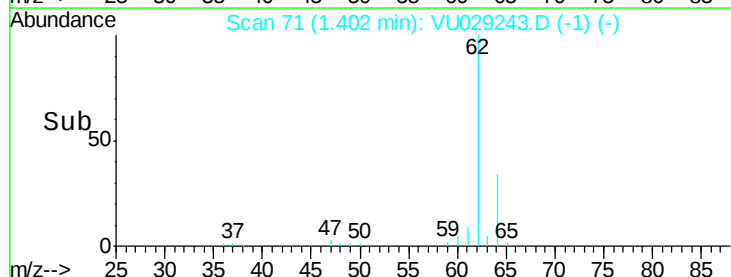
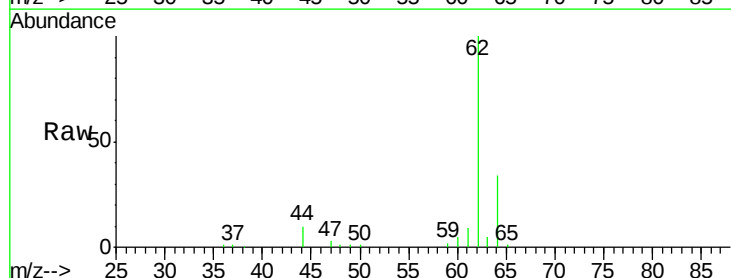
Acq: 21 Jan 2019 12:56

Tgt Ion: 62 Resp: 28994

Ion Ratio Lower Upper

62 100

64 33.7 25.9 38.9





#5

Bromomethane

Concen: 16.787 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 94 Resp: 16287

Ion Ratio Lower Upper

94 100

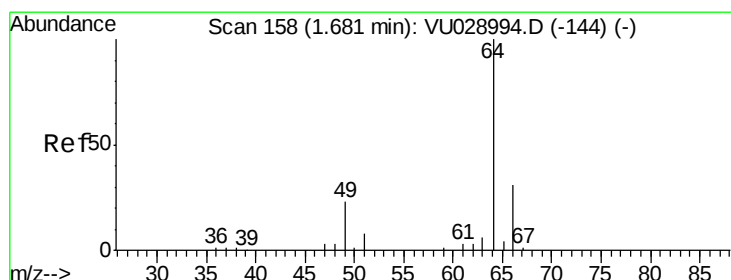
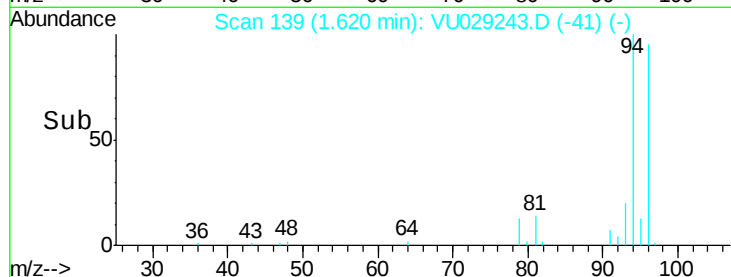
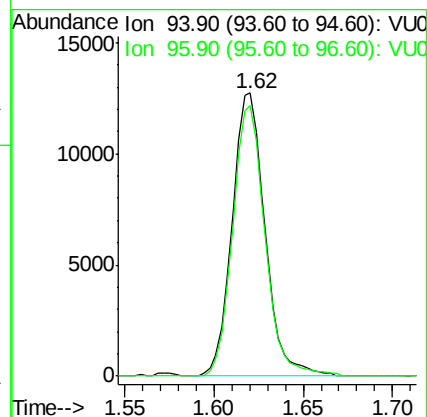
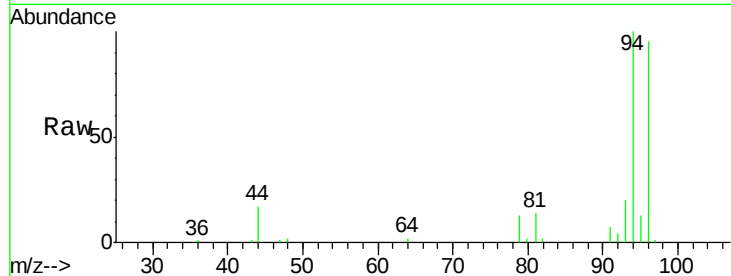
96 95.4 75.5 113.3

Manual Integrations

APPROVED

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1/22/2019 10:40:22 AM



#6

Chloroethane

Concen: 17.617 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029243.D

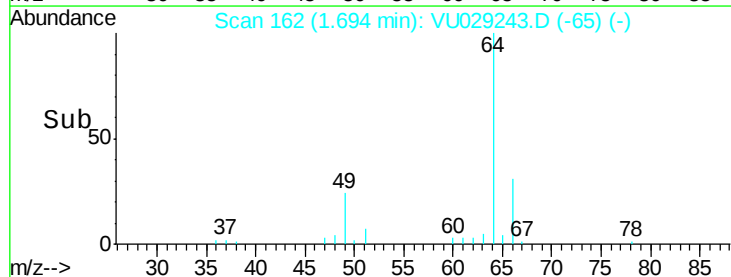
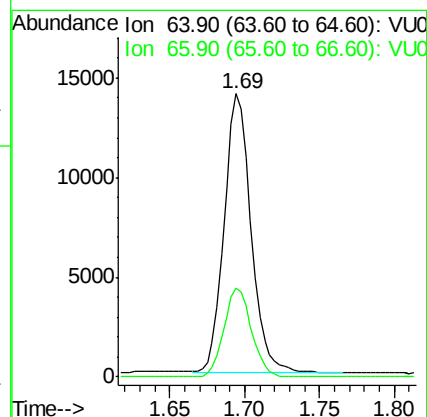
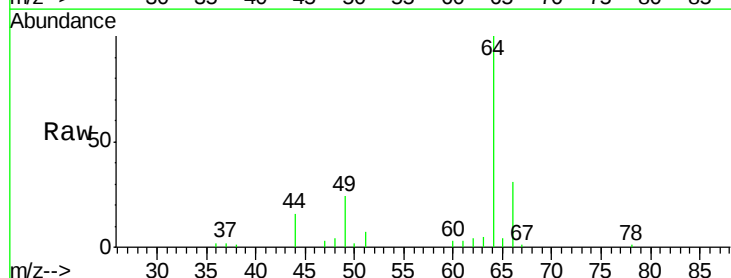
Acq: 21 Jan 2019 12:56

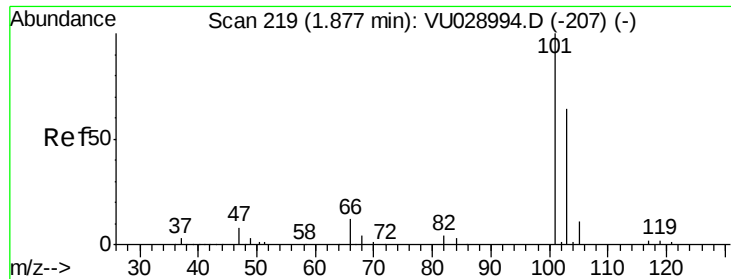
Tgt Ion: 64 Resp: 17678

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8





#7

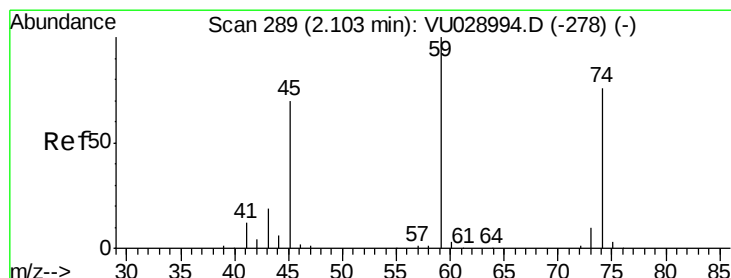
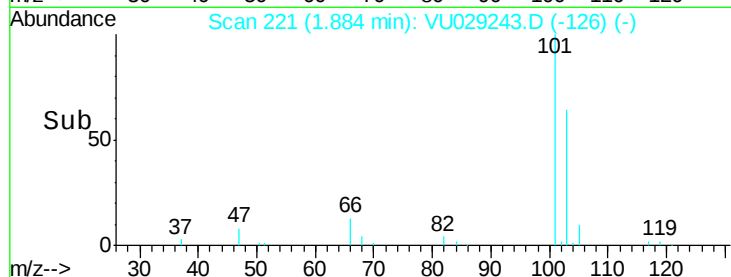
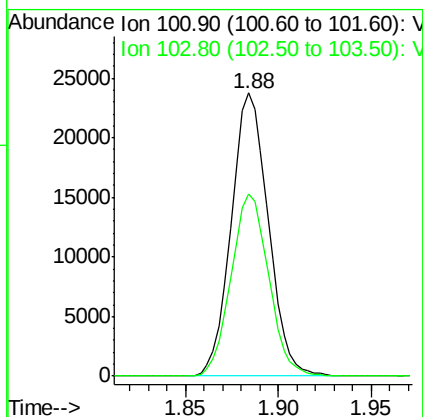
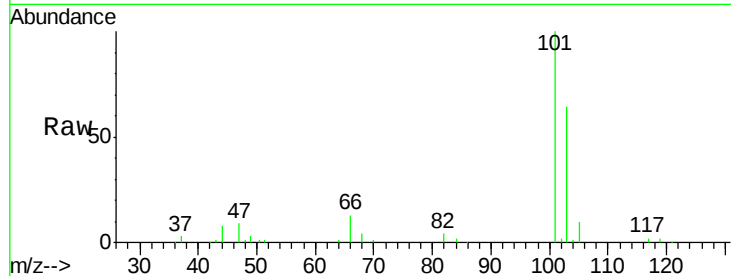
Trichlorofluoromethane
Concen: 17.950 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
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ClientSampleId :
VU0121WBS01

Tot Ion:101 Resp: 32952
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

Manual Integrations
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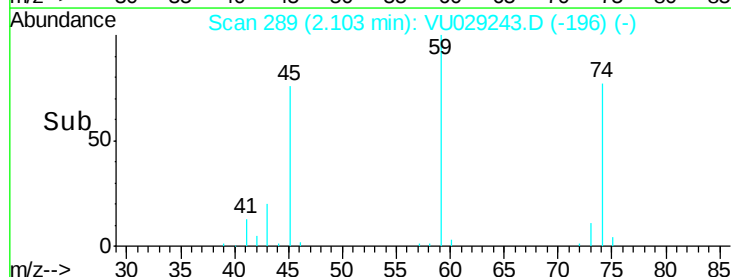
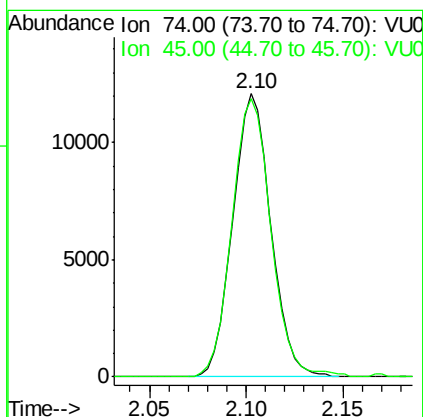
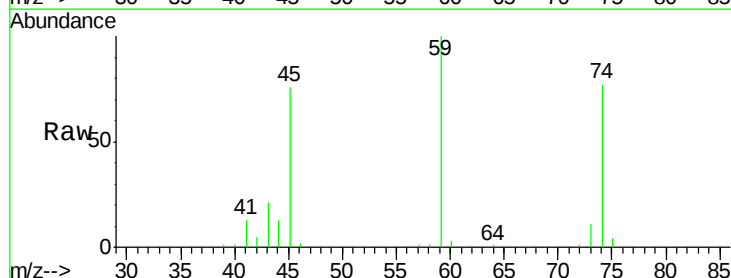
MMDadoda
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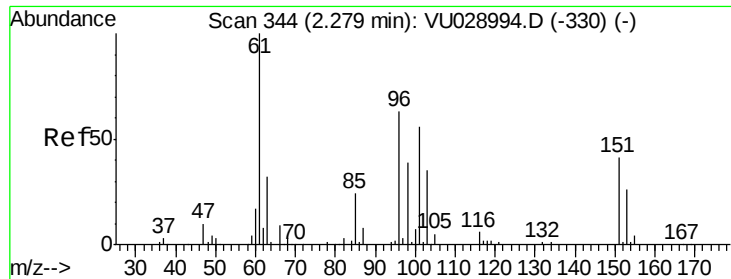


#8

Diethyl Ether
Concen: 18.723 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion: 74 Resp: 16512
Ion Ratio Lower Upper
74 100
45 100.7 46.9 140.6





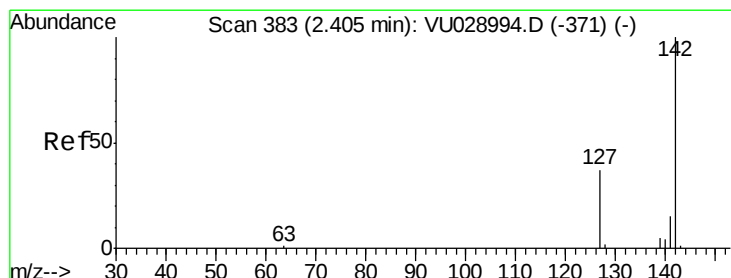
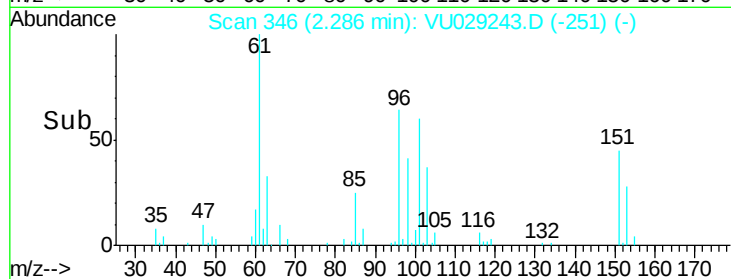
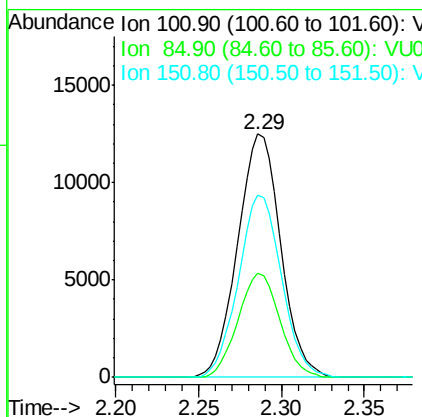
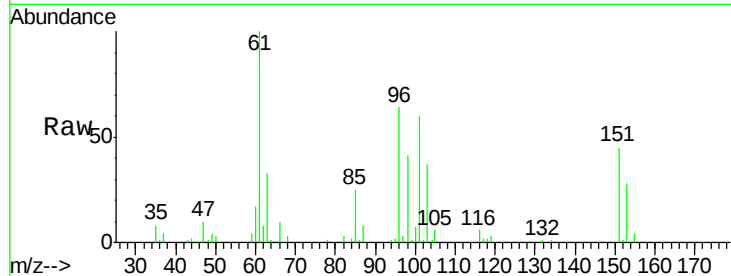
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.419 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU029243.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	41.5	35.1	52.7
151	74.9	60.2	90.2

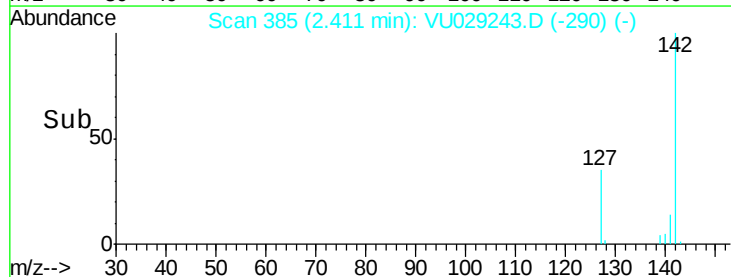
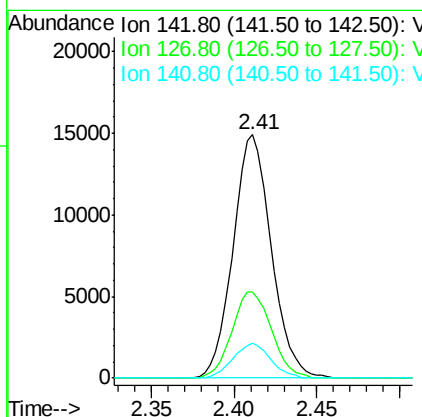
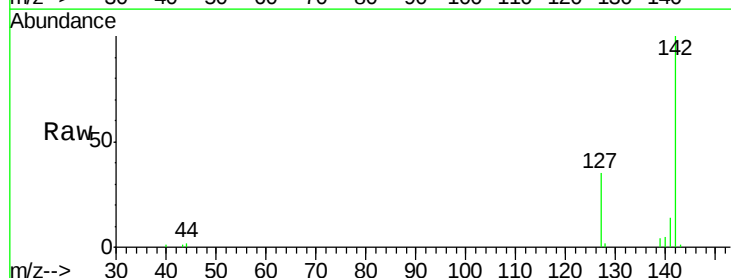
Manual Integrations
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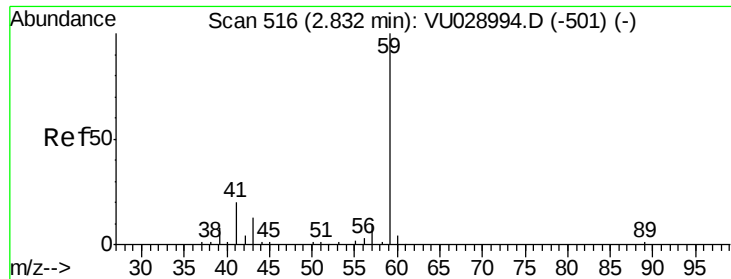
MMDadoda
 1/22/2019 10:40:22 AM



#10
 Methyl Iodide
 Concen: 20.739 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
142	100		
127	36.4	29.8	44.6
141	13.9	11.5	17.3





#11

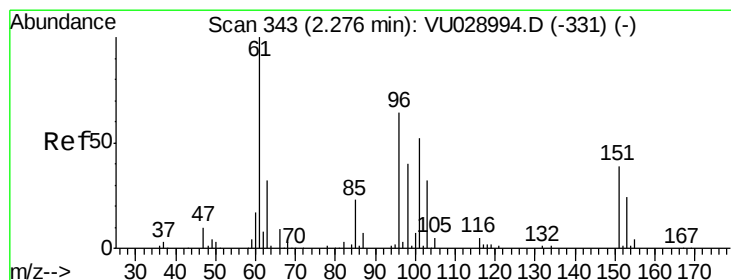
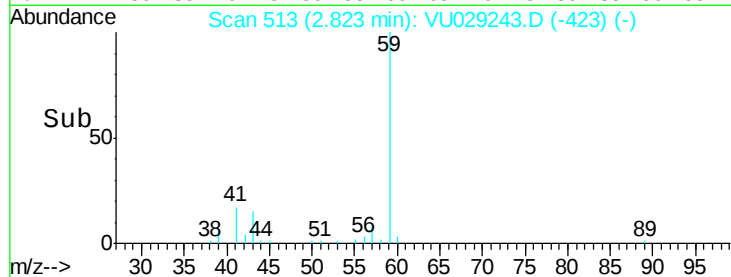
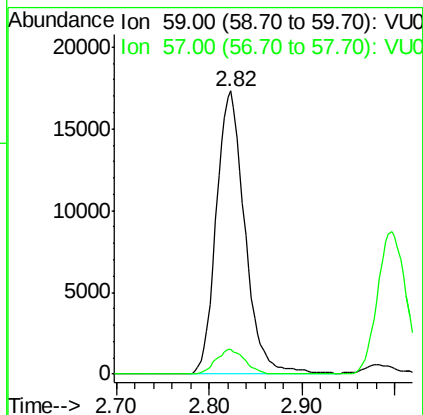
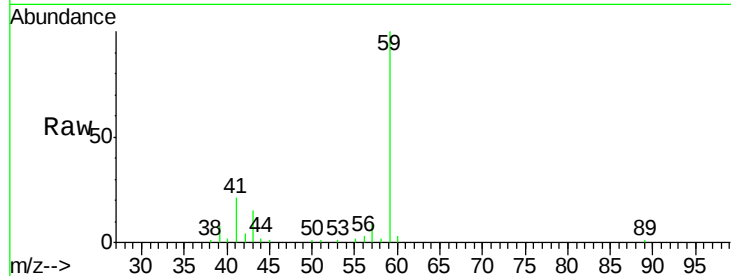
Tert butyl alcohol
 Concen: 102.411 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.9	11.9

Manual Integrations
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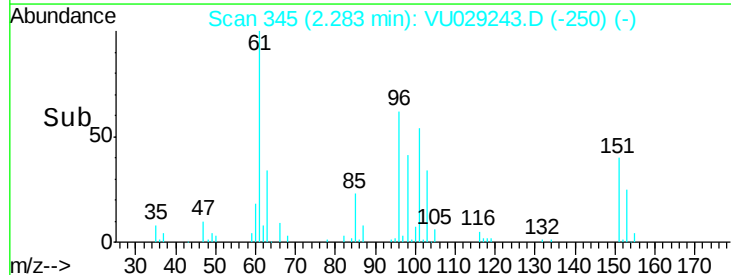
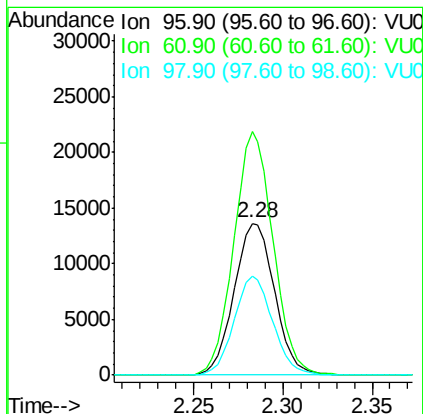
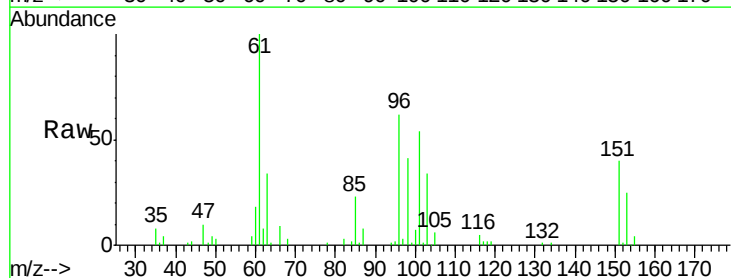
MMDadoda
 1/22/2019 10:40:22 AM

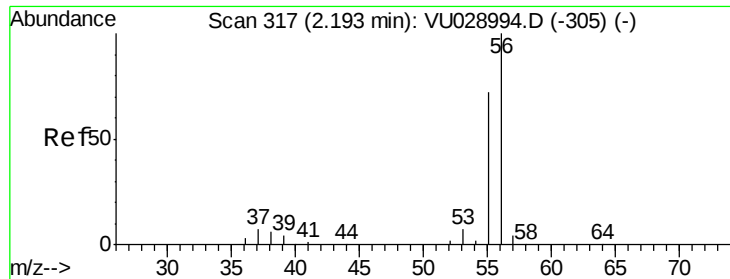


#12

1,1-Dichloroethene
 Concen: 17.910 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	125.4	188.0
98	65.4	49.7	74.5





#13

Acrolein

Concen: 67.048 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 56 Resp: 18236

Ion Ratio Lower Upper

56 100

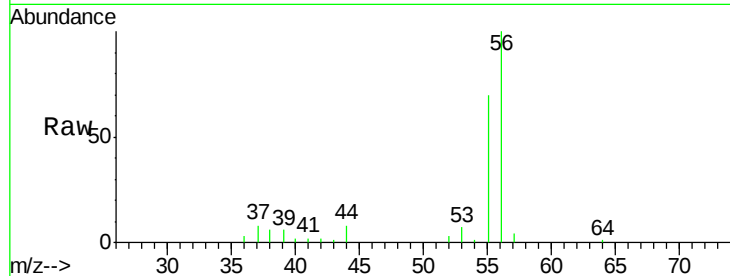
55 70.3 56.5 84.7

Manual Integrations

APPROVED

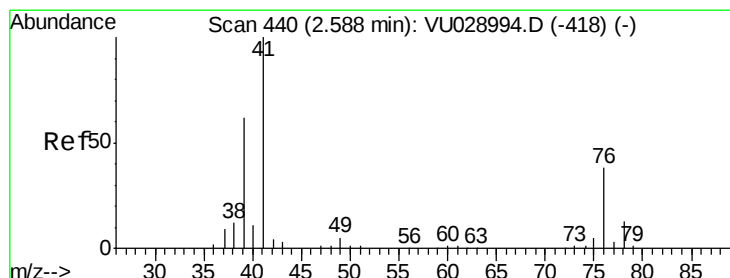
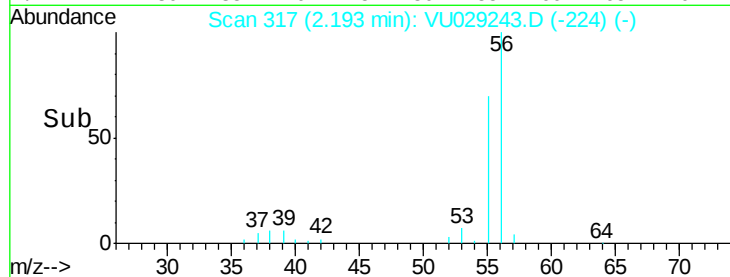
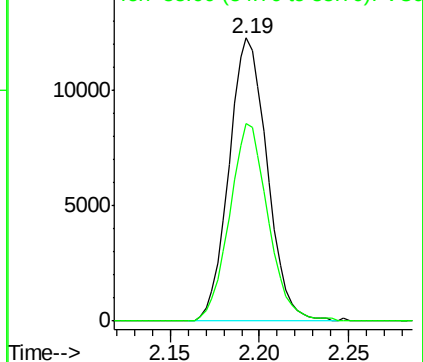
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 20.400 ug/l m

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

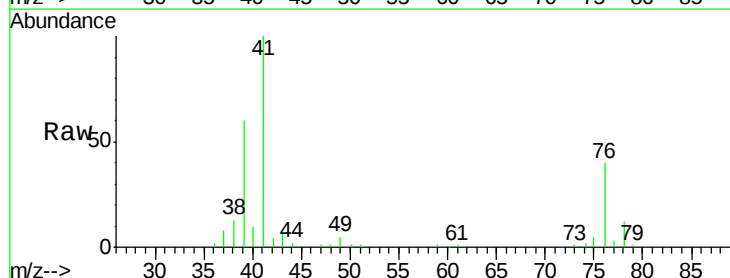
Tgt Ion: 41 Resp: 44749

Ion Ratio Lower Upper

41 100

39 54.6 45.0 67.6

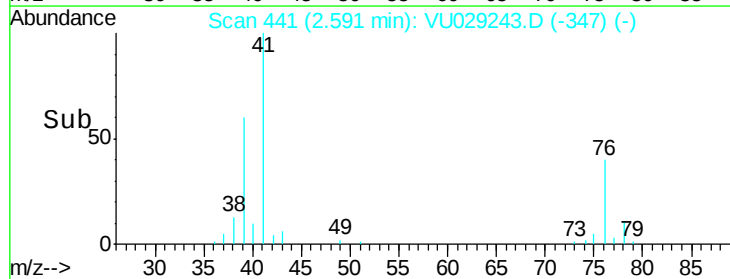
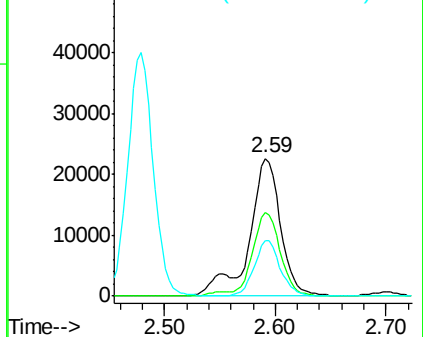
76 33.2 28.1 42.1

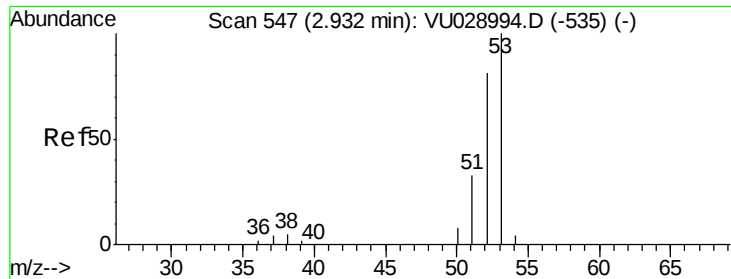


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 105.429 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

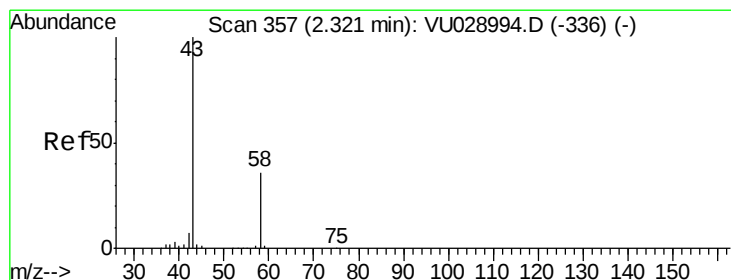
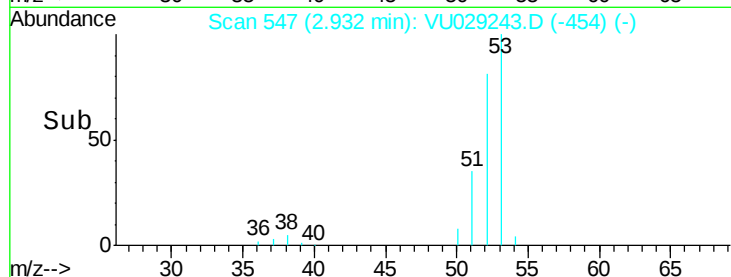
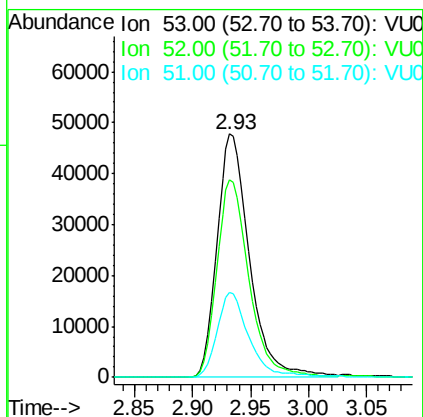
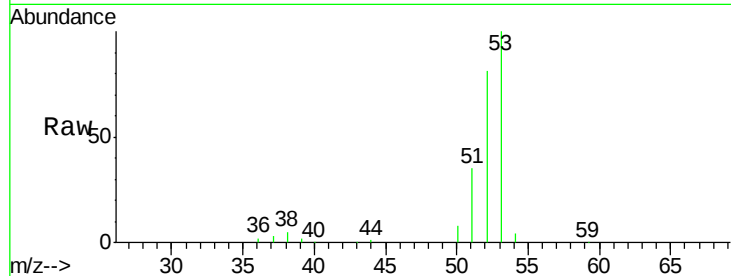
ClientSampleId :

VU0121WBS01

Tot Ion:	53	Resp:	93689
Ion	Ratio	Lower	Upper
53	100		
52	80.3	64.8	97.2
51	34.1	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 111.666 ug/l

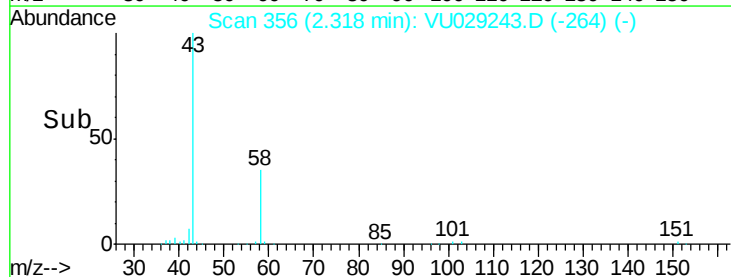
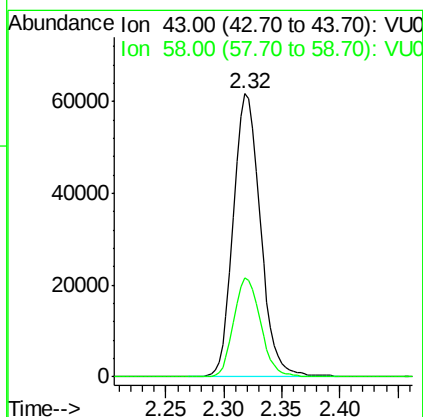
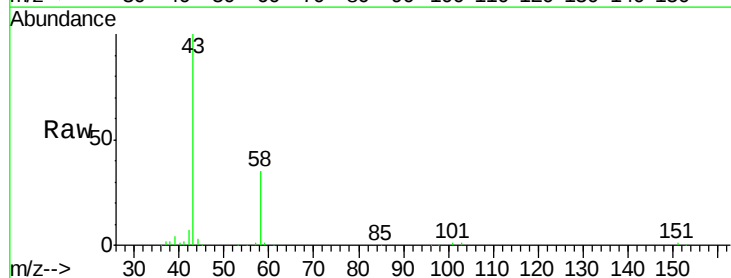
RT: 2.32 min Scan# 356

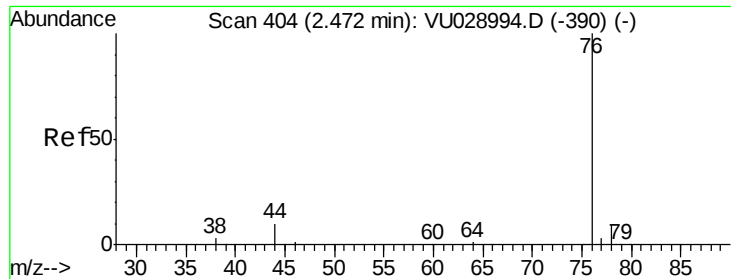
Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Tgt Ion:	43	Resp:	100243
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.6	42.8





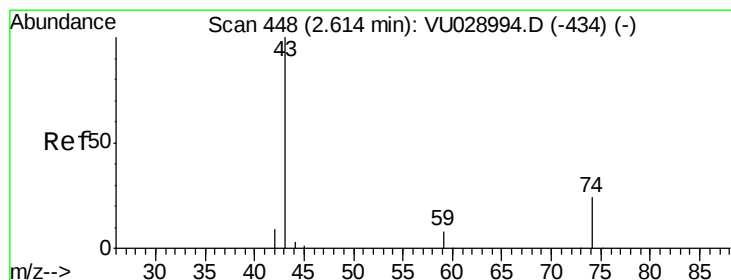
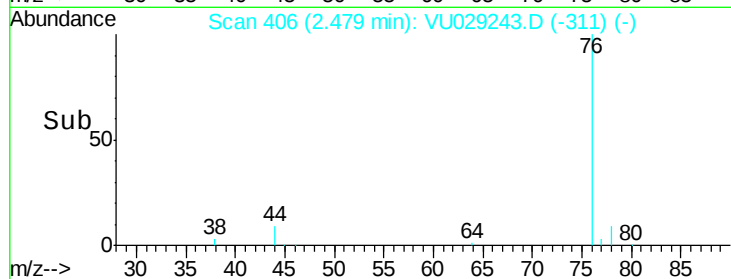
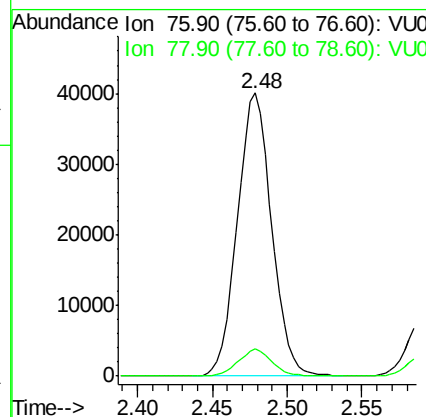
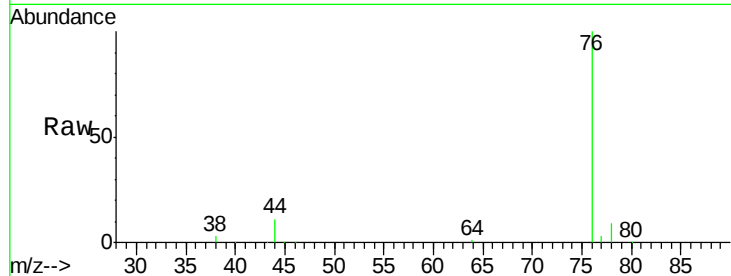
#17
Carbon Disulfide
Concen: 15.744 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion: 76 Resp: 63840
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

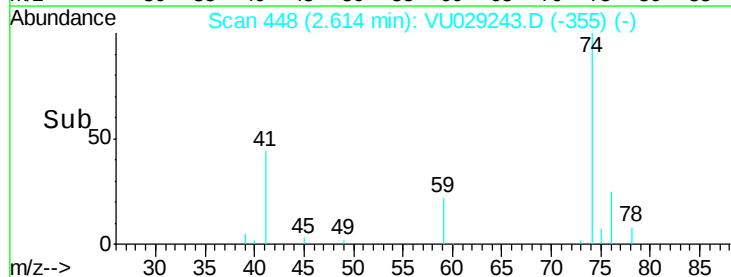
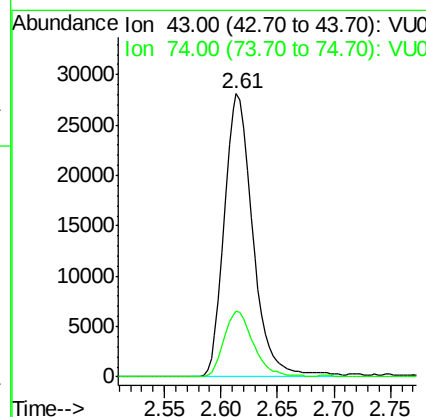
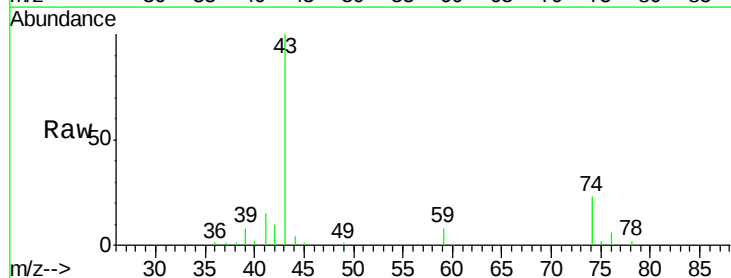
Manual Integrations
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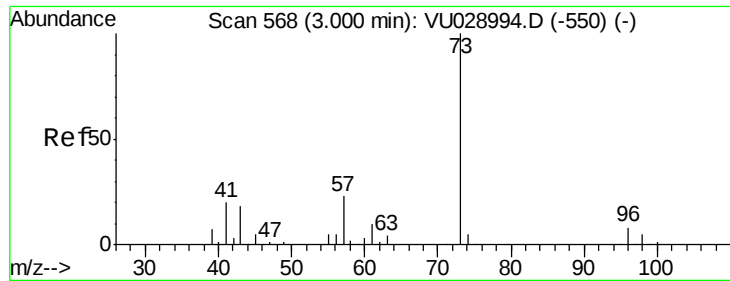
MMDadoda
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#18
Methyl Acetate
Concen: 23.881 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion: 43 Resp: 49848
Ion Ratio Lower Upper
43 100
74 23.8 19.5 29.3





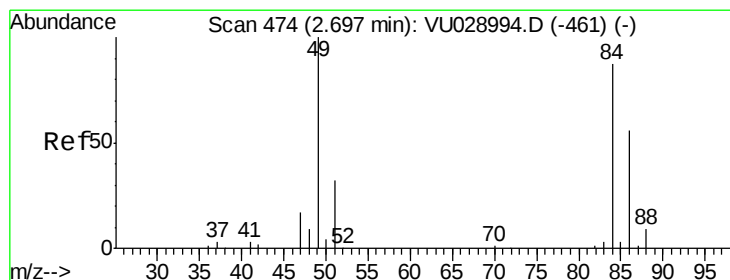
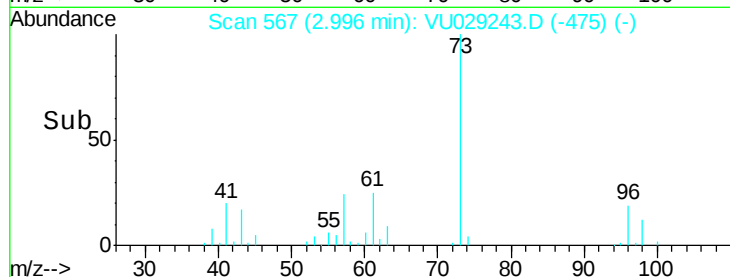
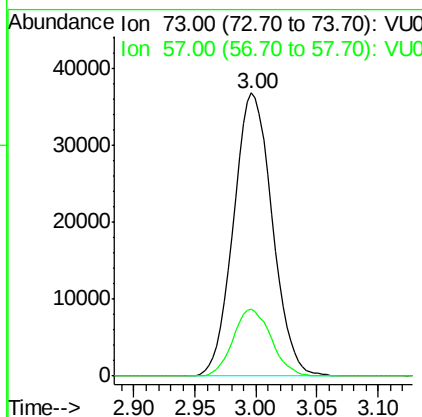
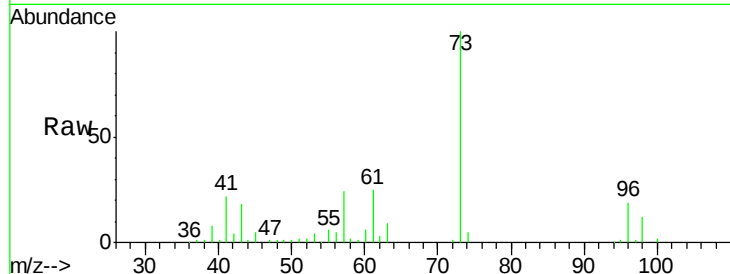
#19
Methyl tert-butyl Ether
Concen: 19.234 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion: 73 Resp: 80844
Ion Ratio Lower Upper
73 100
57 23.7 18.6 28.0

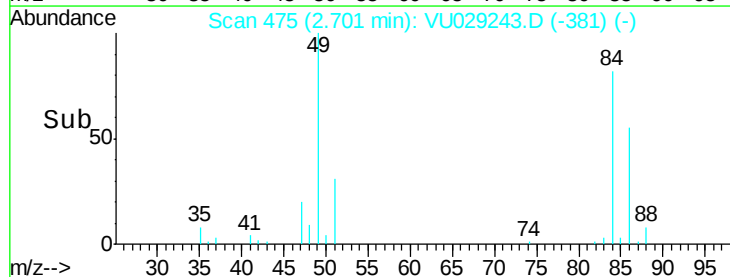
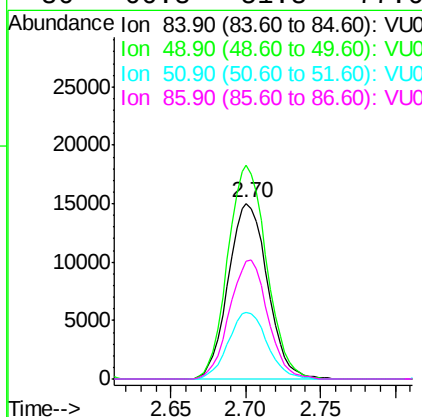
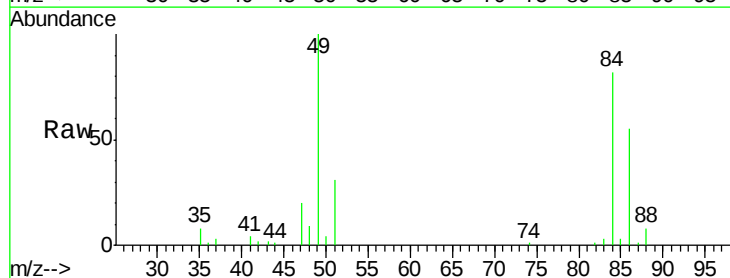
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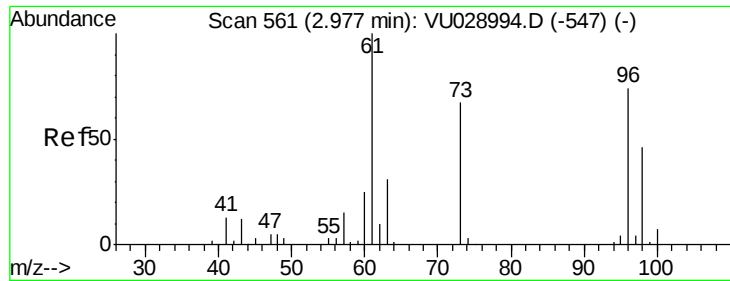
MMDadoda
1/22/2019 10:40:22 AM



#20
Methylene Chloride
Concen: 18.018 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion: 84 Resp: 27462
Ion Ratio Lower Upper
84 100
49 121.8 91.9 137.9
51 38.3 29.2 43.8
86 66.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 17.729 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.01 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 96 Resp: 24626

Ion Ratio Lower Upper

96 100

61 138.2 107.7 161.5

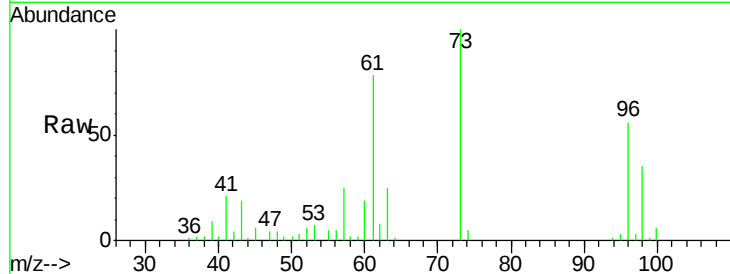
98 61.2 49.2 73.8

Manual Integrations

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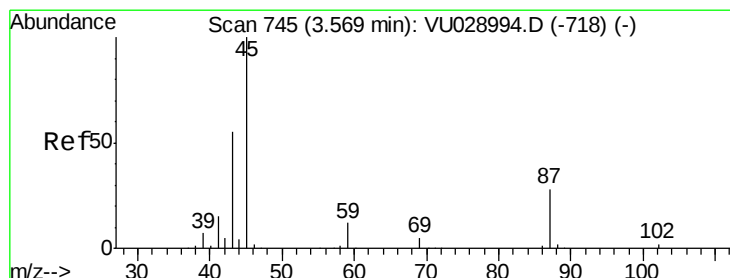
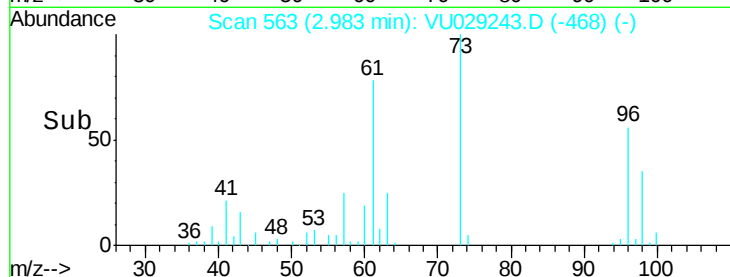
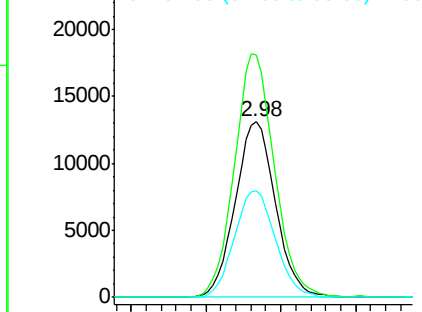


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.328 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Tgt Ion: 45 Resp: 88132

Ion Ratio Lower Upper

45 100

43 62.5 44.7 67.1

87 27.1 22.2 33.2

59 12.4 9.8 14.8

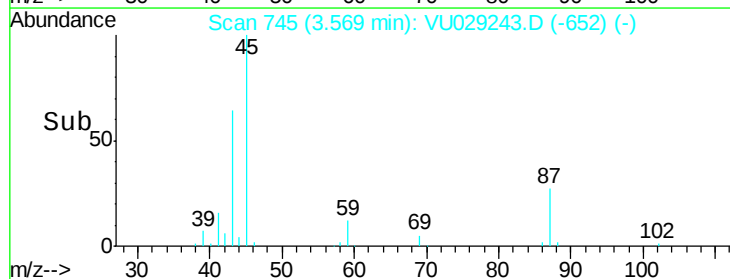
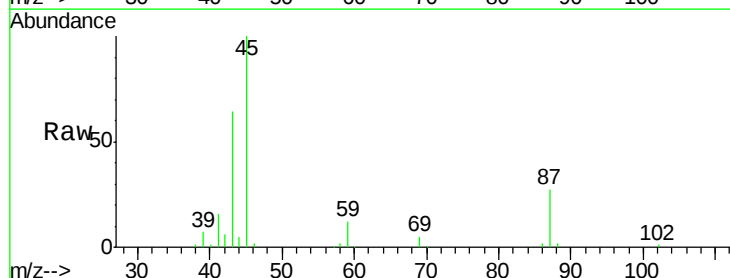
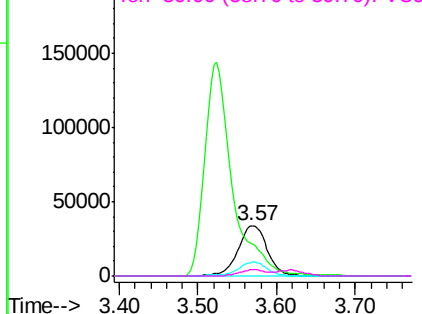
Abundance

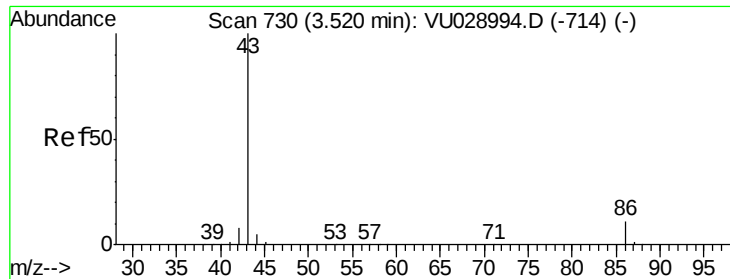
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 98.494 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Tot Ion: 43 Resp: 349087

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

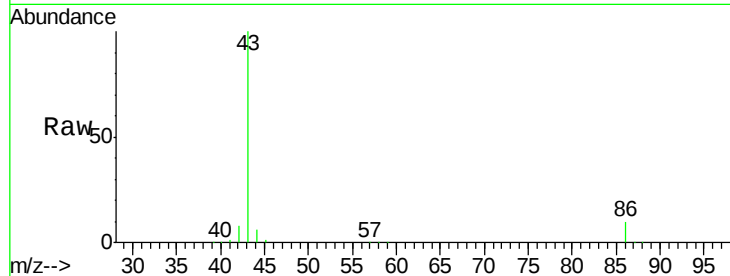
VU0121WBS01

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Abundance Ion 43.00 (42.70 to 43.70): VU029243.D (-637) (-)

Ion 86.00 (85.70 to 86.70): VU029243.D (-637) (-)

150000

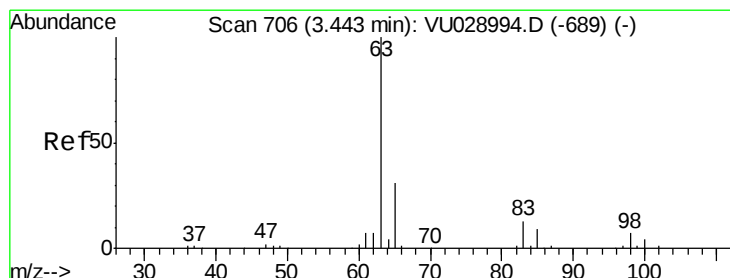
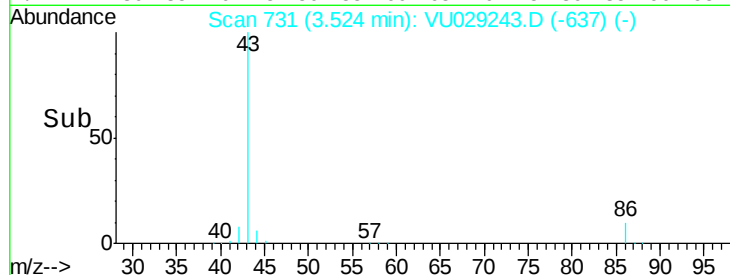
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.658 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

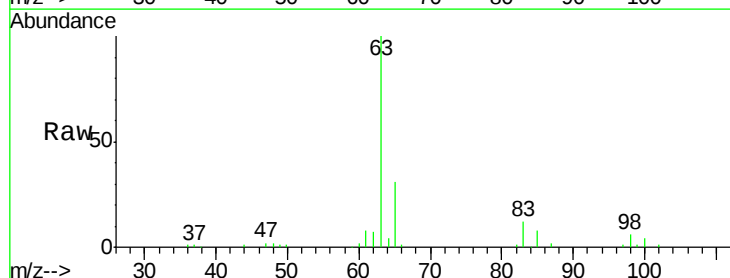
Tgt Ion: 63 Resp: 49198

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU029243.D (-613) (-)

Ion 97.90 (97.60 to 98.60): VU029243.D (-613) (-)

Ion 99.90 (99.60 to 100.60): VU029243.D (-613) (-)

30000

25000

20000

15000

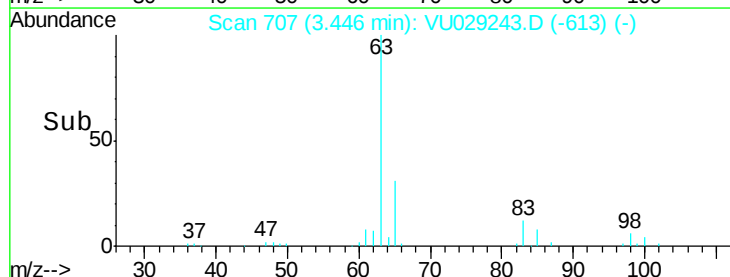
10000

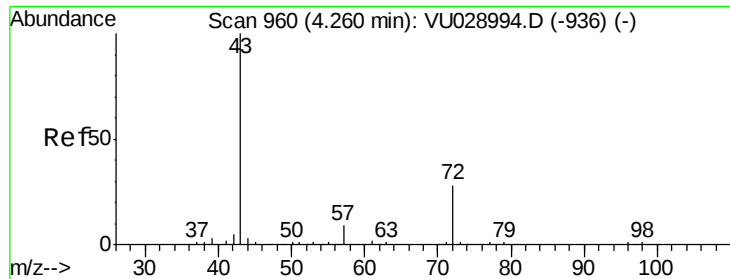
5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 110.075 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 43 Resp: 133463

Ion Ratio Lower Upper

43 100

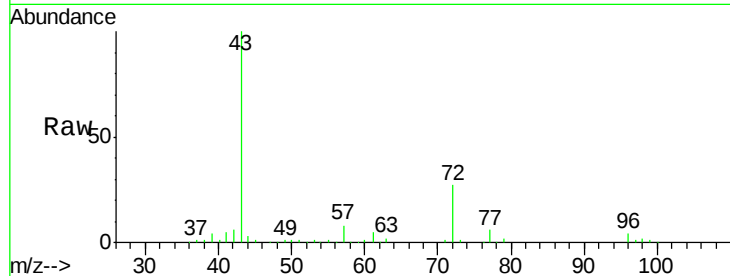
72 27.0 22.6 33.8

Manual Integrations

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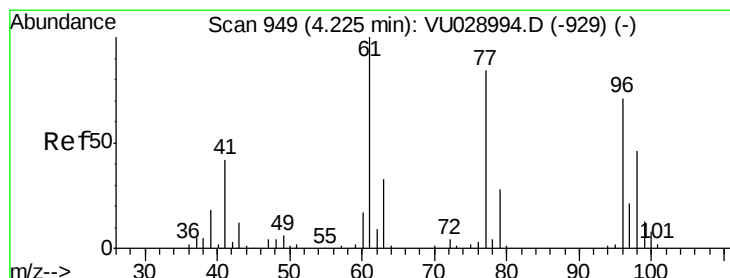
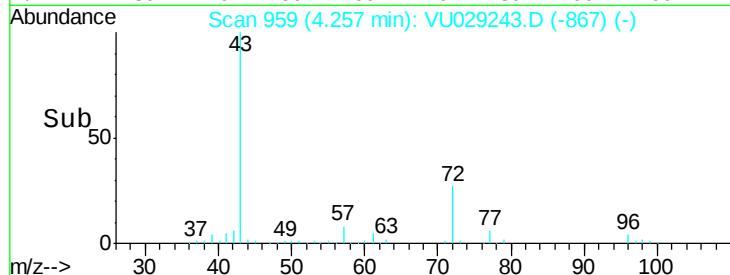
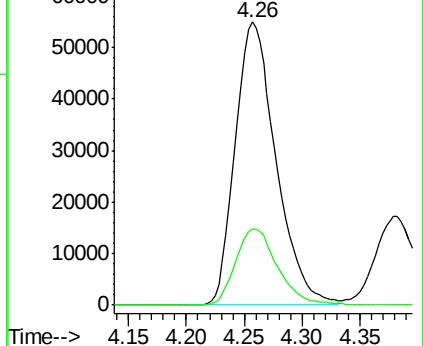
MMDadoda

1/22/2019 10:40:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.630 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU029243.D

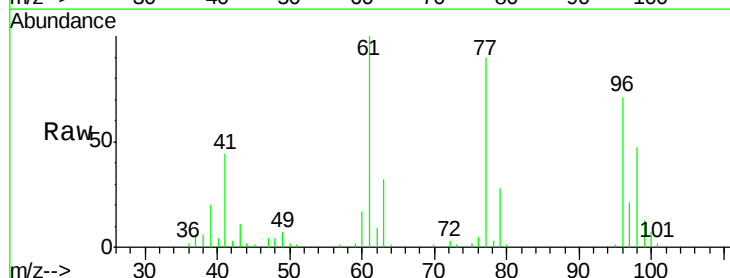
Acq: 21 Jan 2019 12:56

Tgt Ion: 77 Resp: 39697

Ion Ratio Lower Upper

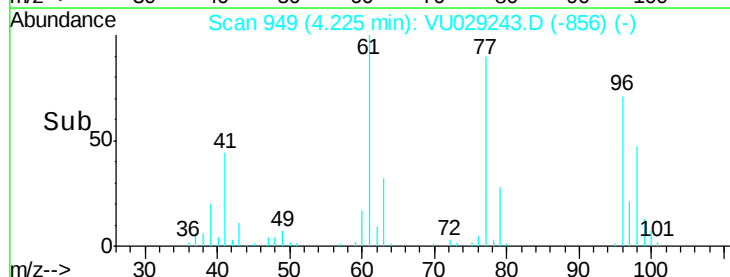
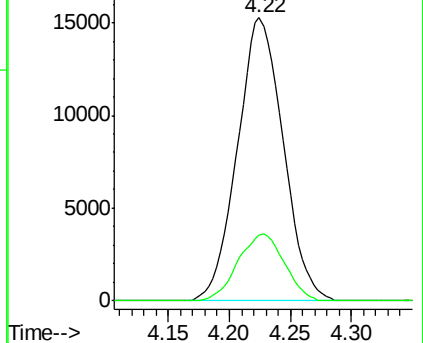
77 100

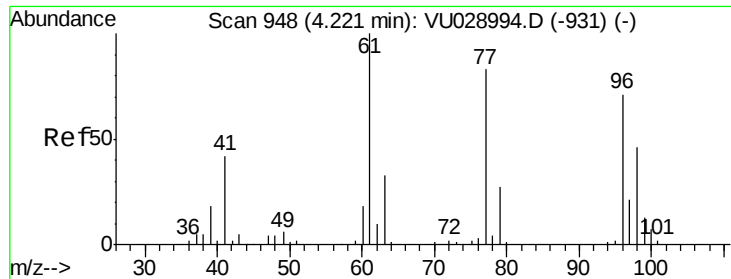
97 24.0 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





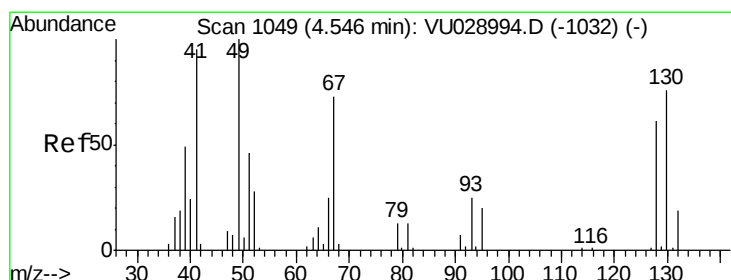
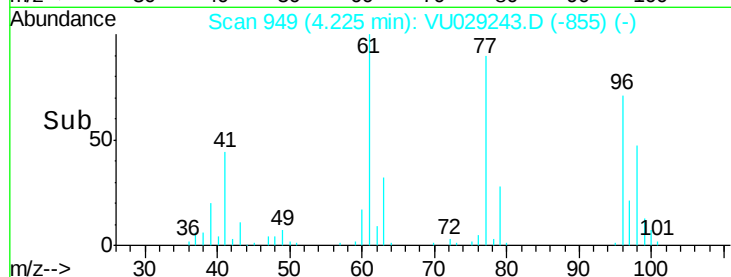
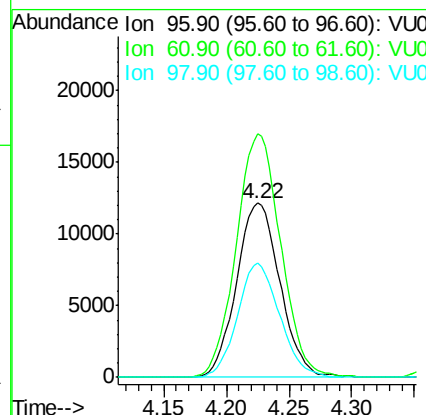
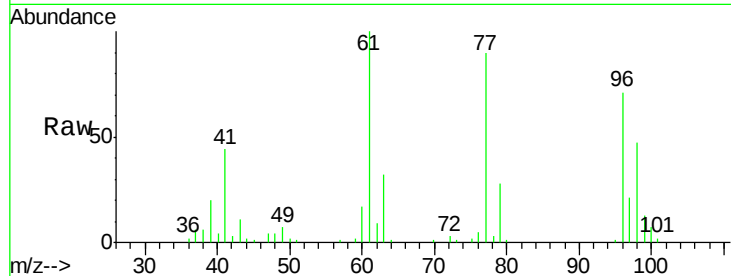
#27
 cis-1,2-Dichloroethene
 Concen: 19.283 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	285.6
98	63.3	0.0	130.2

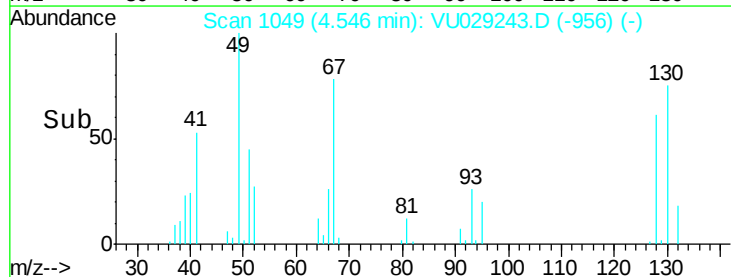
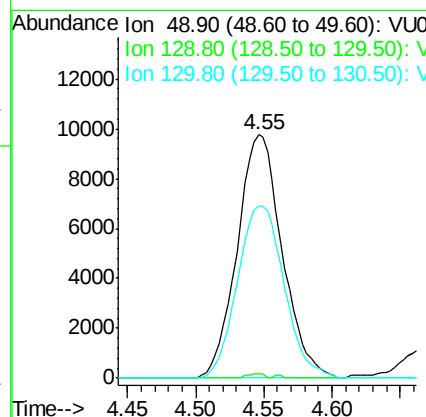
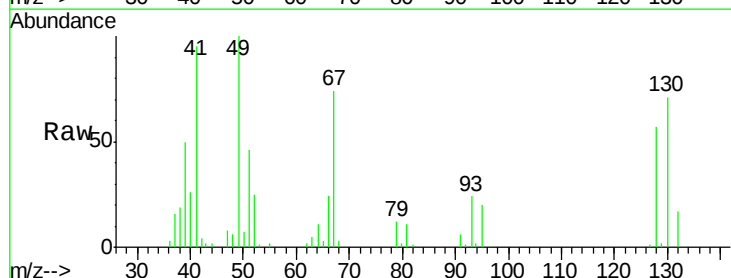
Manual Integrations
 APPROVED

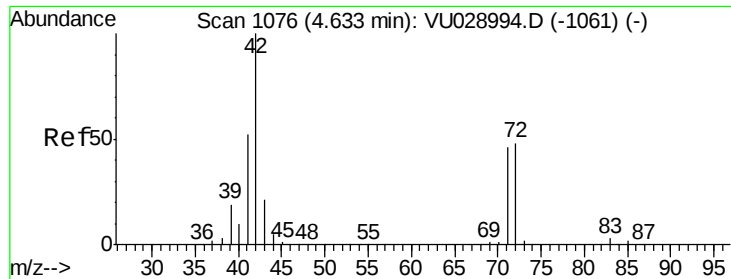
MMDadoda
 1/22/2019 10:40:22 AM



#28
 Bromochloromethane
 Concen: 20.799 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	73.7	62.9	94.3





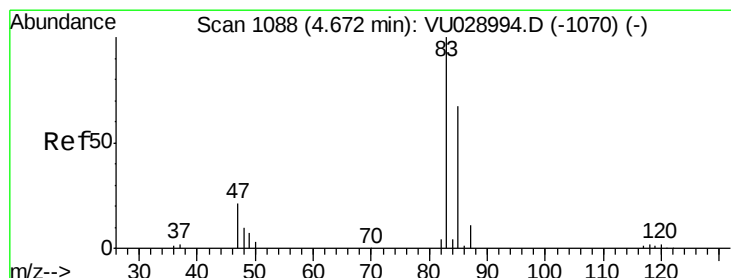
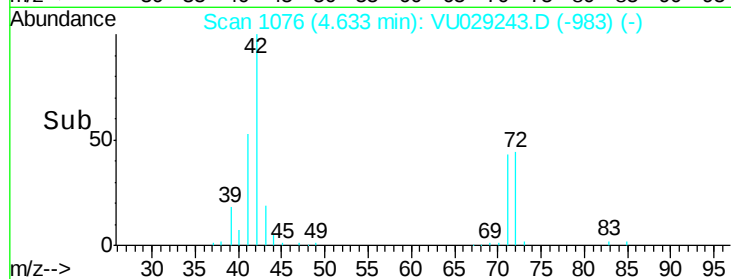
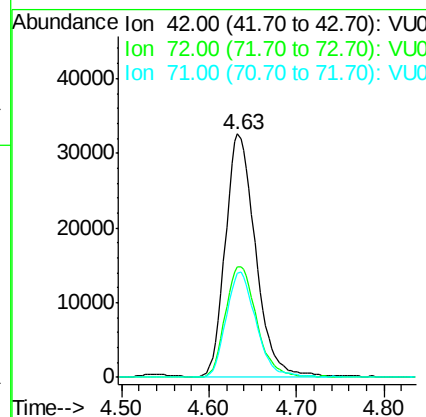
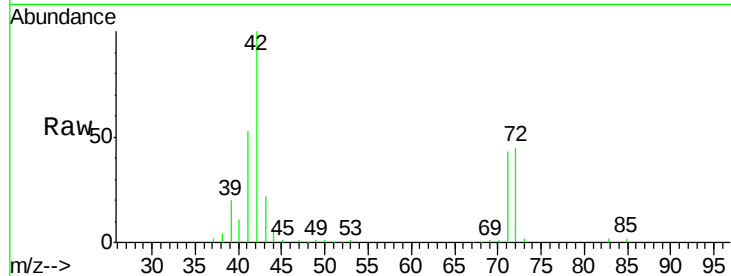
#29
Tetrahydrofuran
Concen: 106.725 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.3	57.5
71	42.8	36.1	54.1

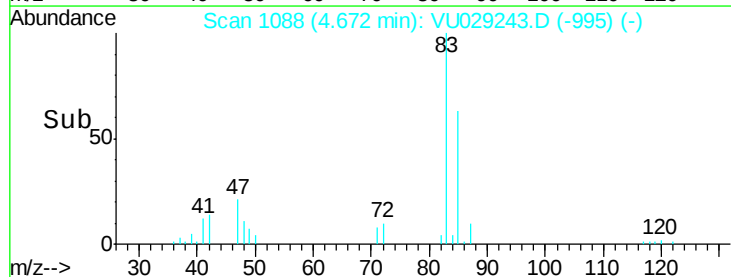
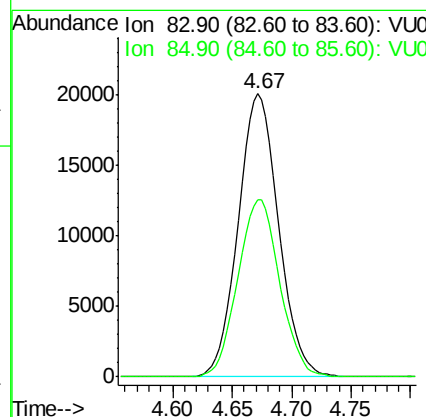
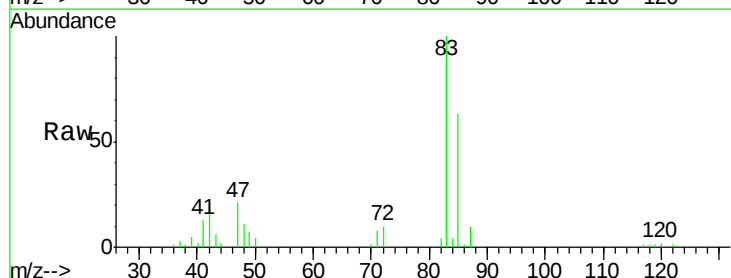
Manual Integrations
APPROVED

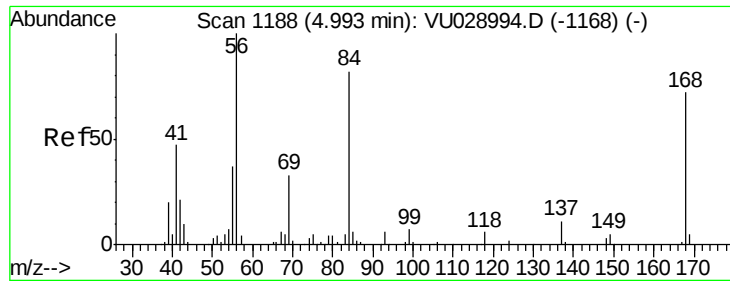
MMDadoda
1/22/2019 10:40:22 AM



#30
Chloroform
Concen: 19.800 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	53.4	80.0





#31

Cyclohexane

Concen: 18.150 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

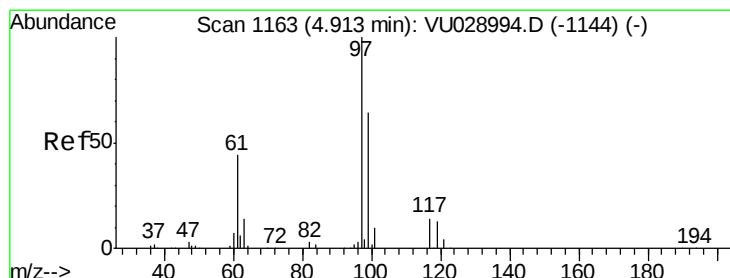
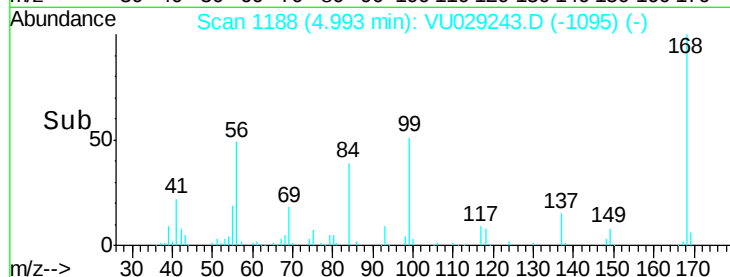
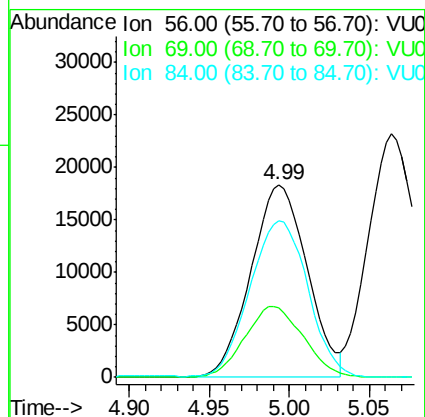
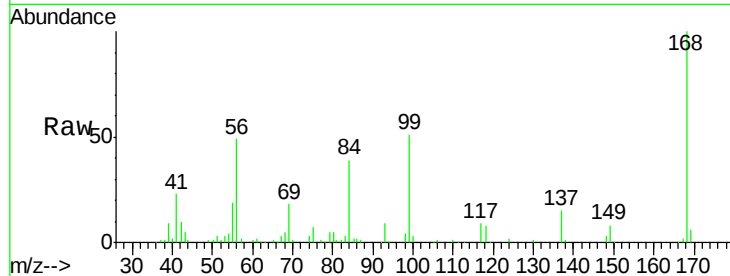
ClientSampleId :

VU0121WBS01

Tot Ion:	56	Resp:	44570
Ion Ratio	Lower	Upper	
56	100		
69	36.2	26.7	40.1
84	80.4	65.7	98.5

Manual Integrations
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1/22/2019 10:40:22 AM



#32

1,1,1-Trichloroethane

Concen: 19.317 ug/l

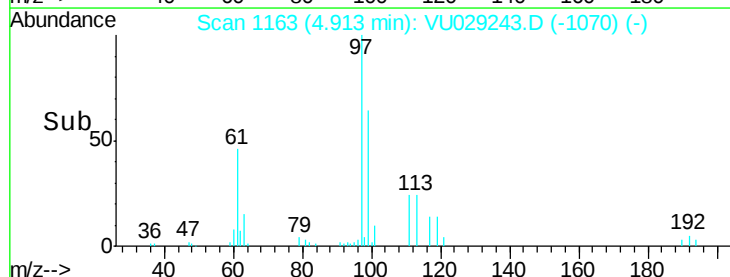
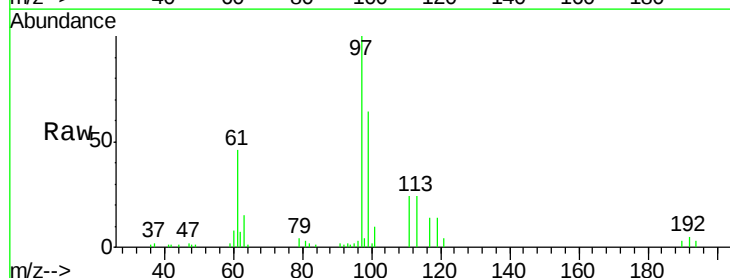
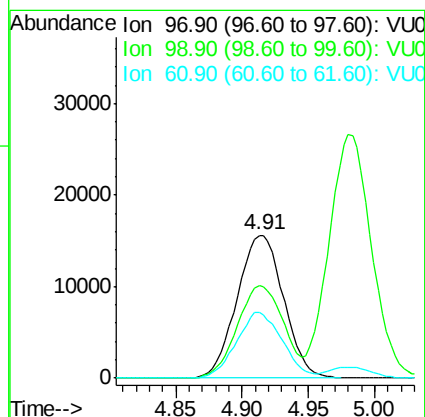
RT: 4.91 min Scan# 1163

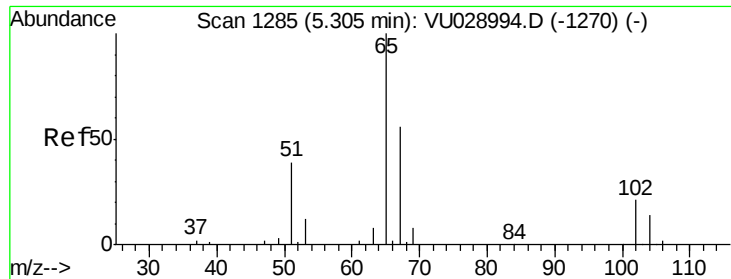
Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Tgt Ion:	97	Resp:	38049
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	45.8	34.4	51.6





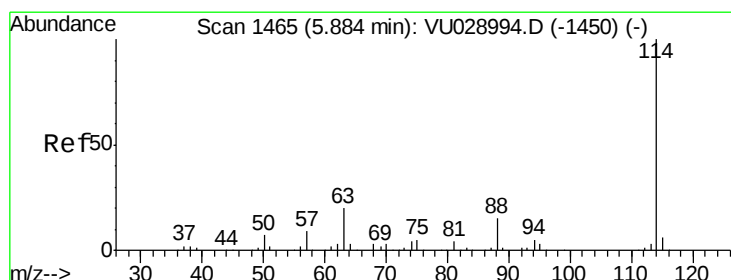
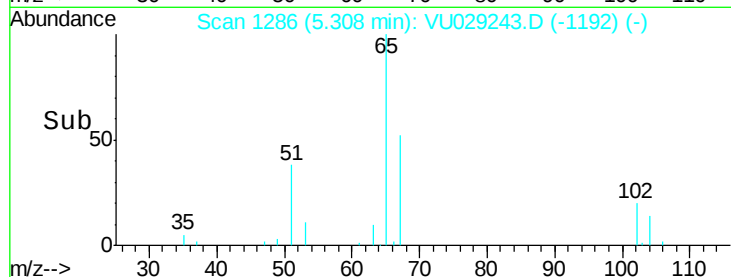
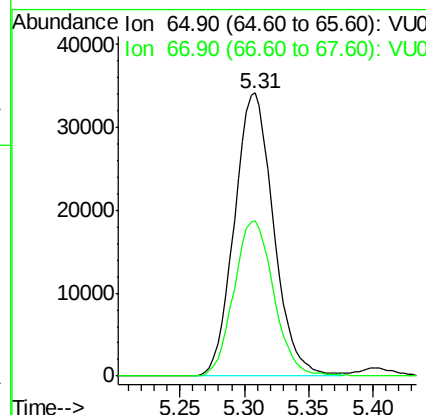
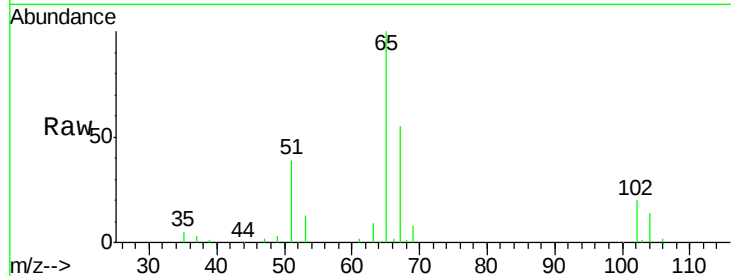
#33
 1,2-Dichloroethane-d4
 Concen: 50.691 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	72235		
67	55.6	0.0	111.0	

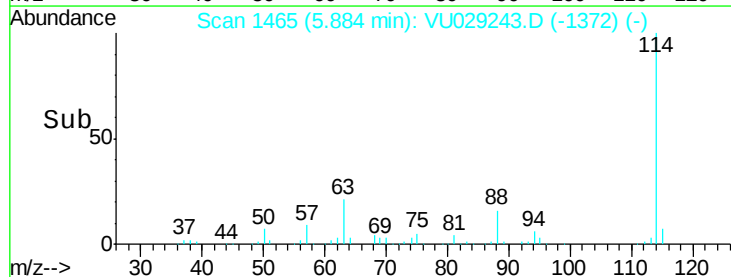
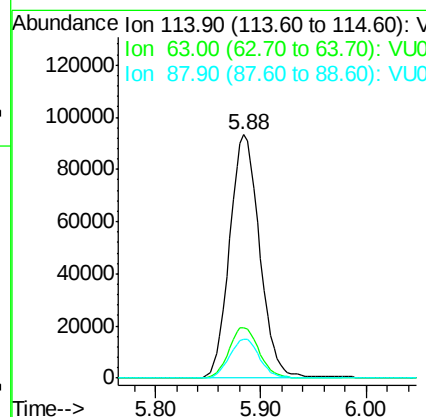
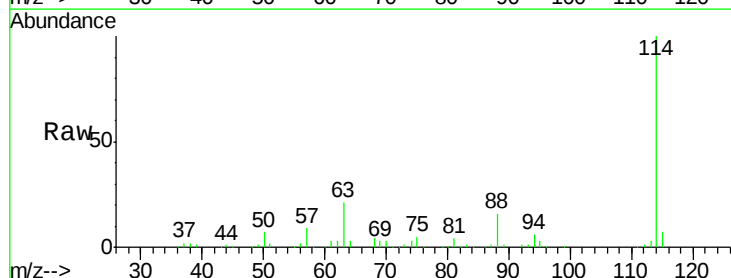
Manual Integrations
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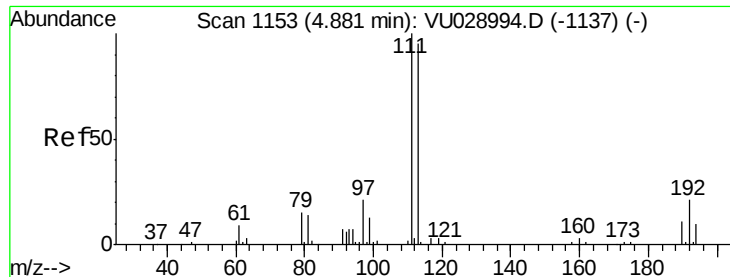
MMDadoda
 1/22/2019 10:40:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	184311		
63	20.8	0.0	40.2	
88	16.0	0.0	30.4	





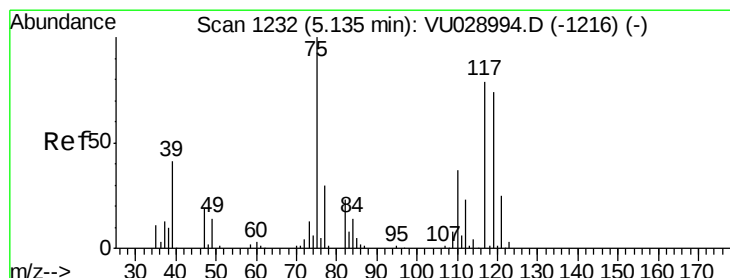
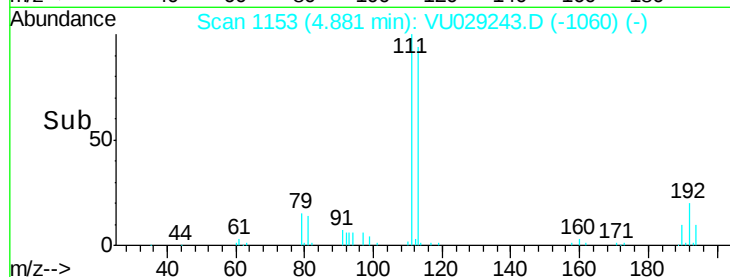
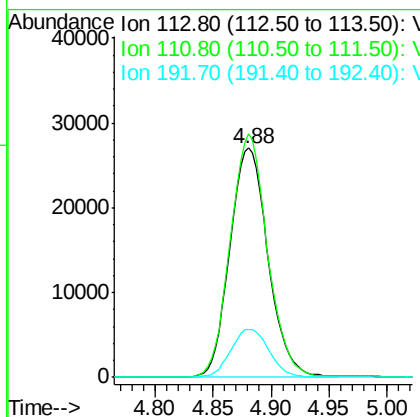
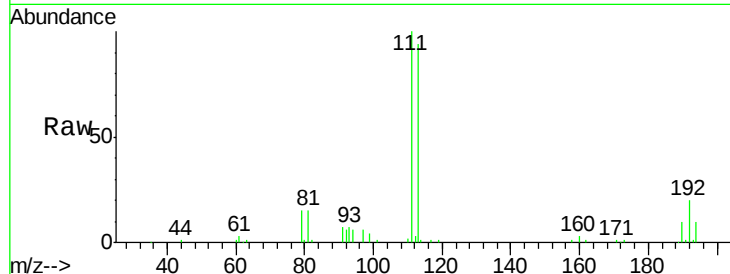
#35
 Dibromofluoromethane
 Concen: 51.665 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.2
192	21.0	16.8	25.2

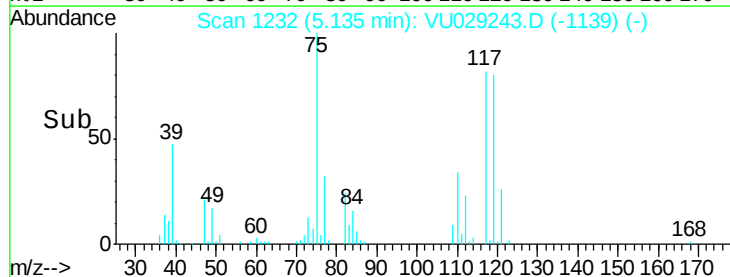
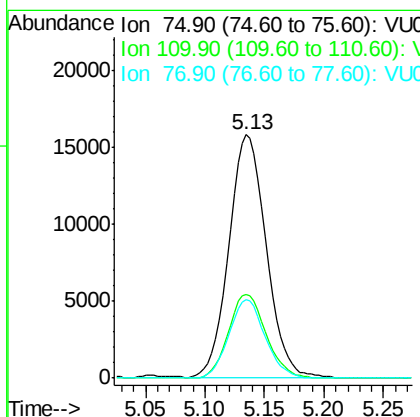
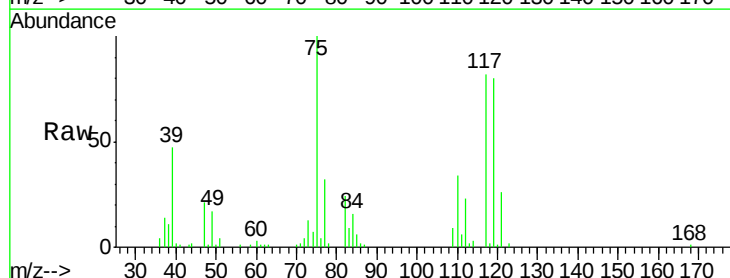
Manual Integrations
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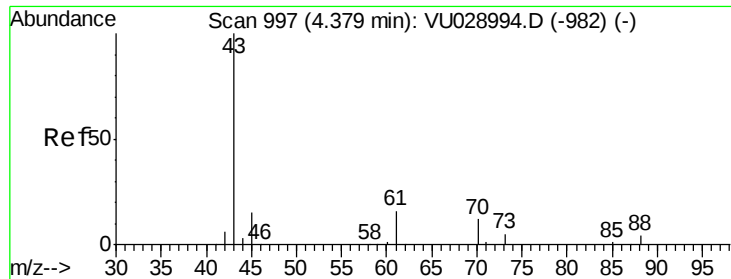
MMDadoda
 1/22/2019 10:40:22 AM



#36
 1,1-Dichloropropene
 Concen: 18.742 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	18.4	55.4
77	31.1	25.1	37.7





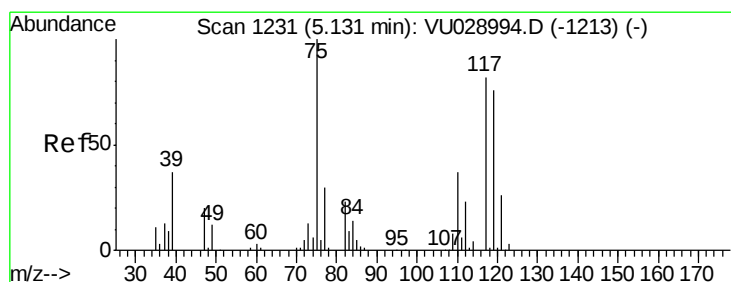
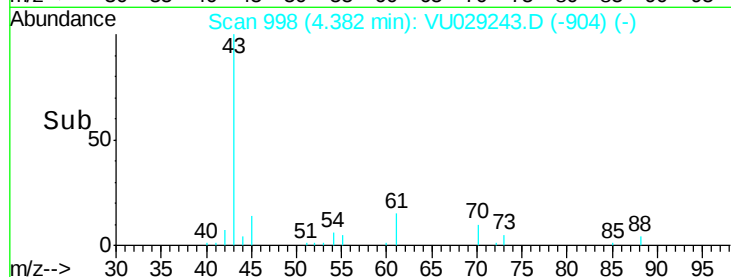
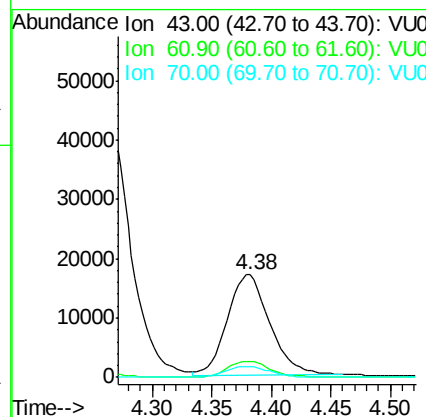
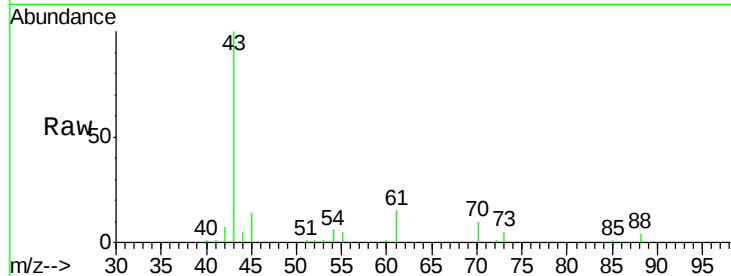
#37
Ethyl Acetate
Concen: 20.870 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.6	18.8
70	11.1	9.3	13.9

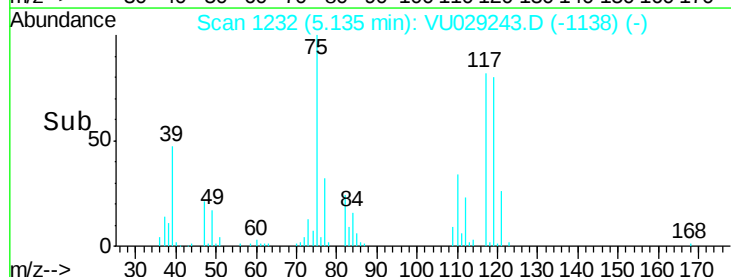
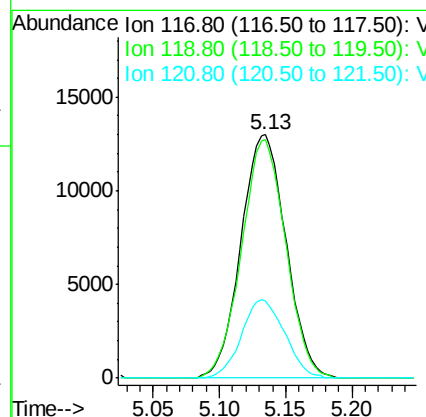
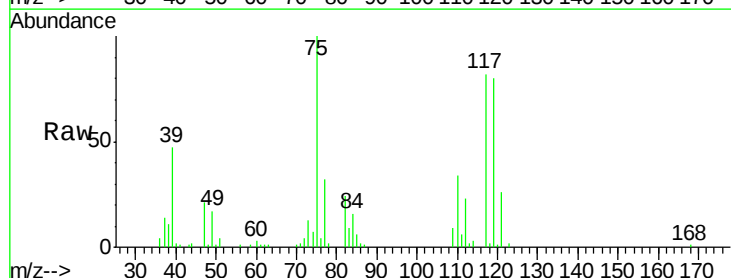
Manual Integrations
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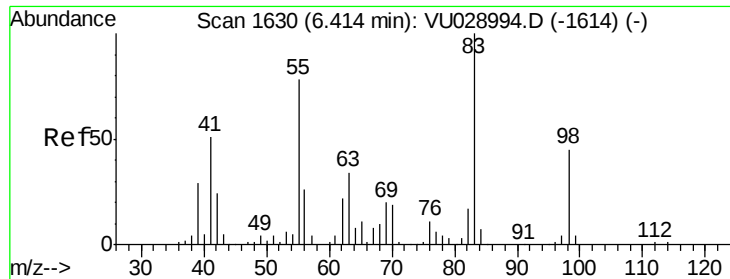
MMDadoda
1/22/2019 10:40:22 AM



#38
Carbon Tetrachloride
Concen: 19.953 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.6	111.8
121	31.7	25.0	37.6





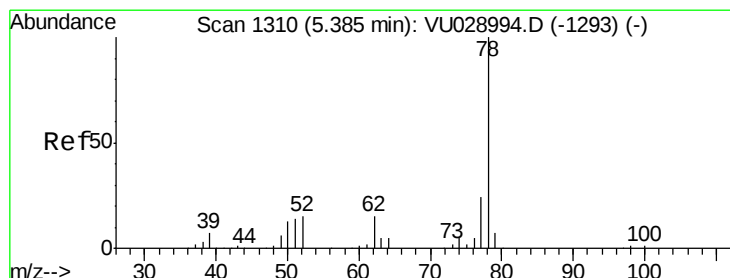
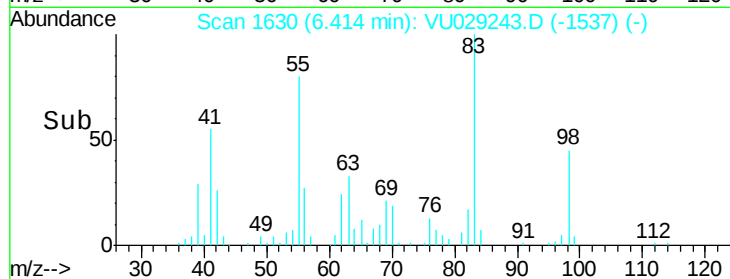
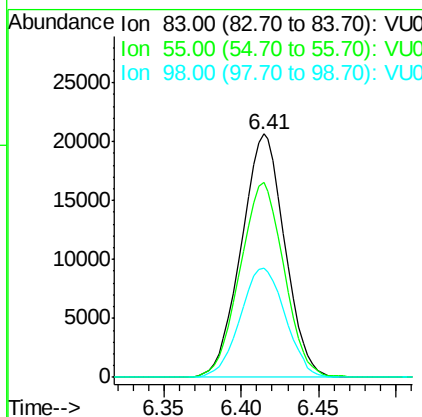
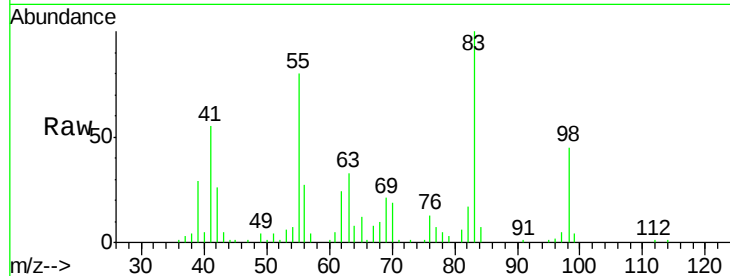
#39
Methylvlcvclohexane
Concen: 17.822 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	83	Resp	40363
Ion Ratio	Lower	Upper	
83	100		
55	80.3	62.4	93.6
98	44.8	36.2	54.2

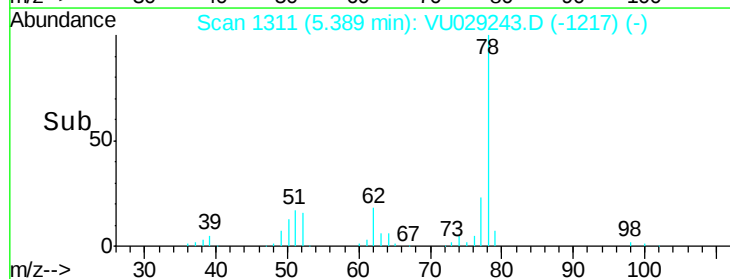
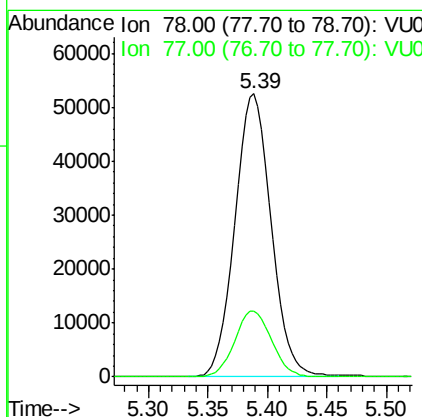
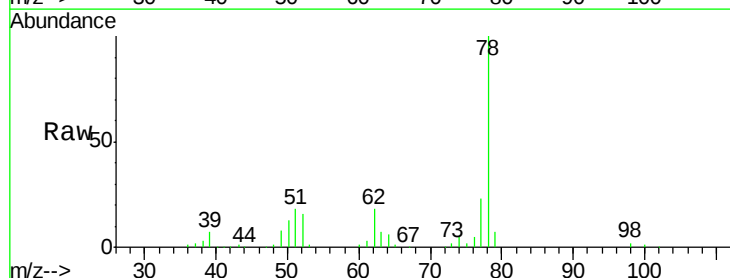
Manual Integrations
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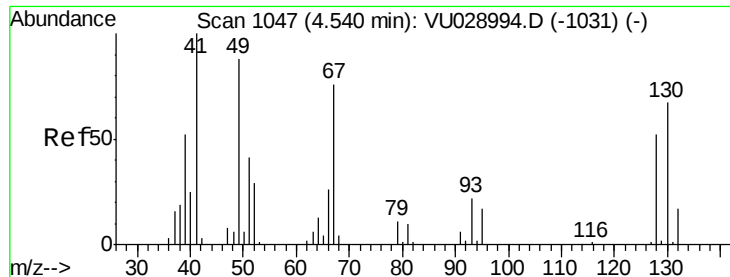
MMDadoda
1/22/2019 10:40:22 AM



#40
Benzene
Concen: 19.334 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	78	Resp	111105
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.9	28.3





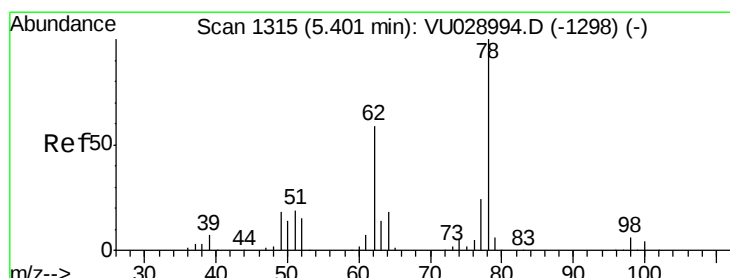
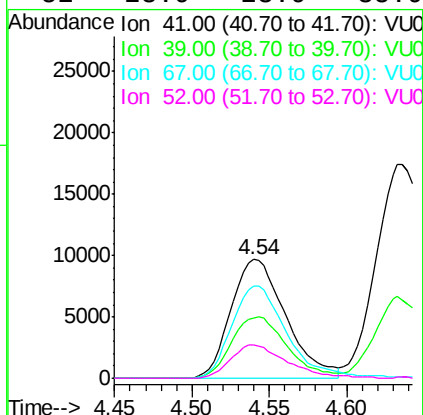
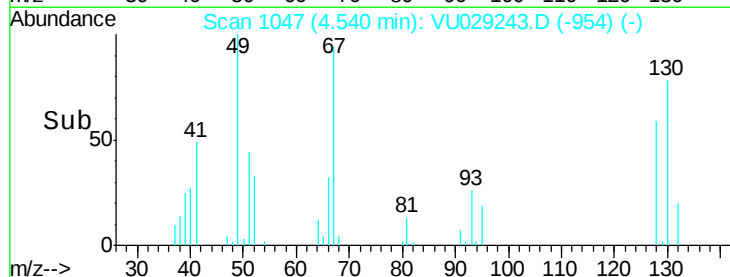
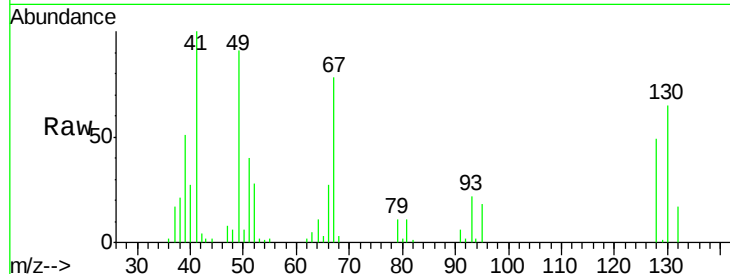
#41
Methacrylonitrile
Concen: 22.028 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.3	63.5	
67	78.1	64.4	96.6	
52	28.9	23.9	35.9	

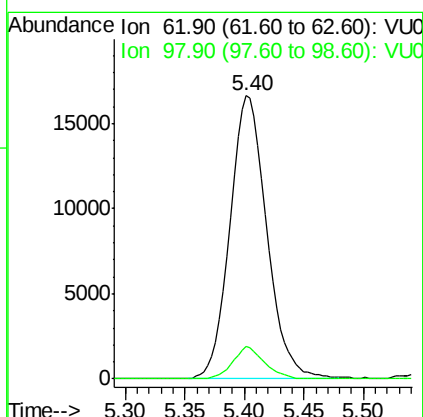
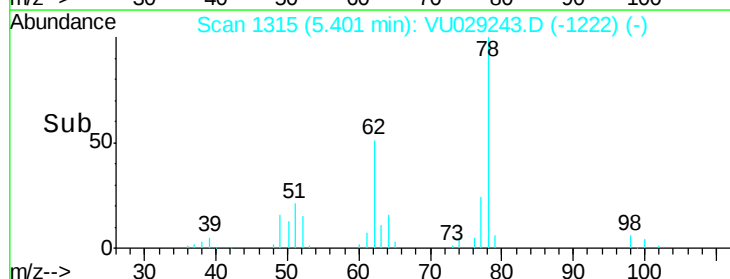
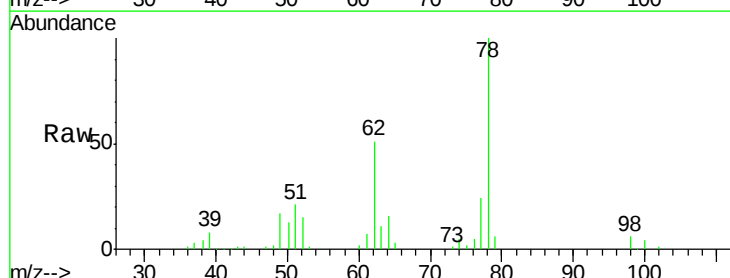
Manual Integrations
APPROVED

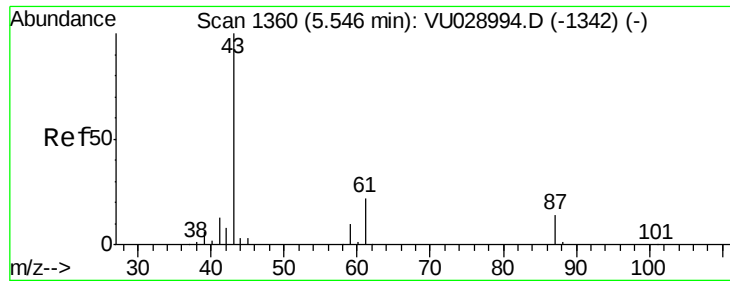
MMDadoda
1/22/2019 10:40:22 AM



#42
1,2-Dichloroethane
Concen: 20.708 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.6	





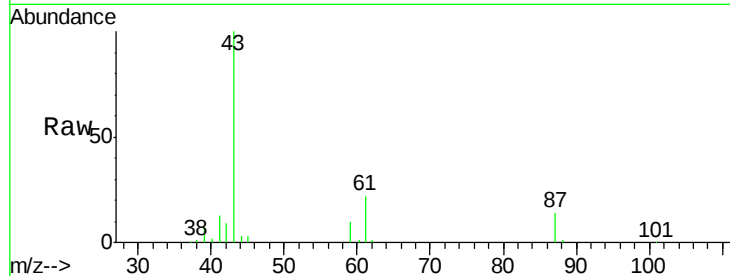
#43
Isopropyl Acetate
Concen: 21.625 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

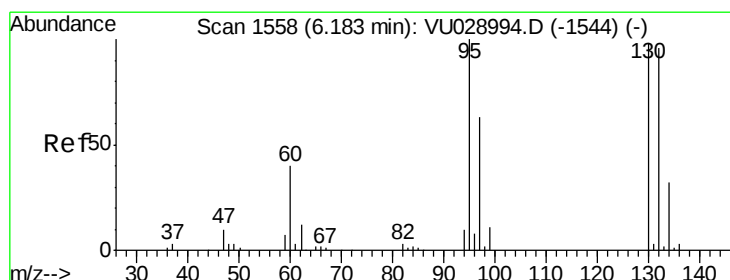
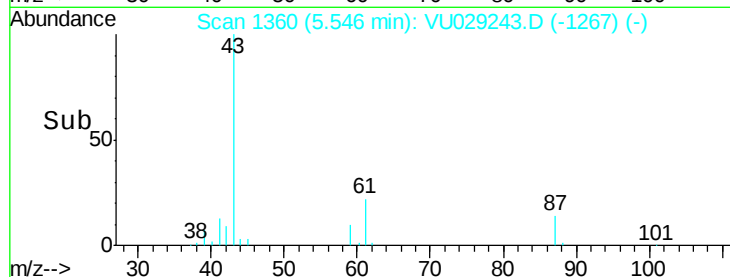
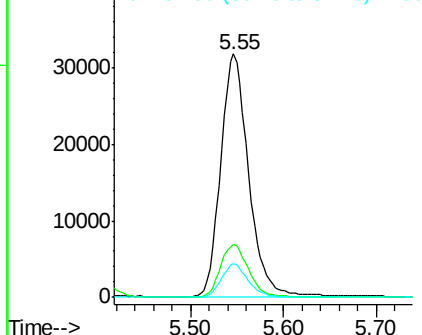
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.8	26.6
87	12.9	11.3	16.9

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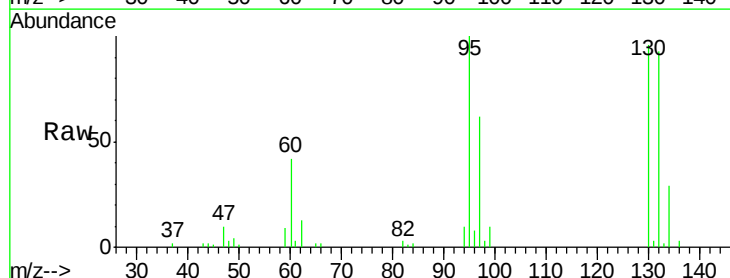


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1342) (-)

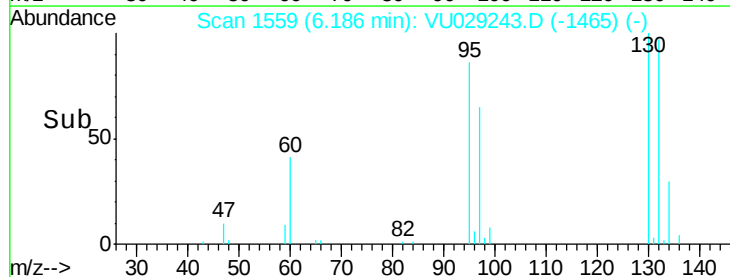
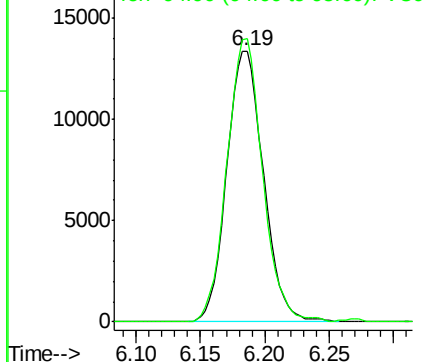


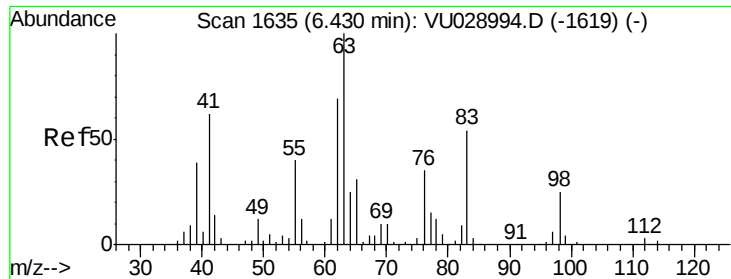
#44
Trichloroethene
Concen: 18.560 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028994.D (-1544) (-)





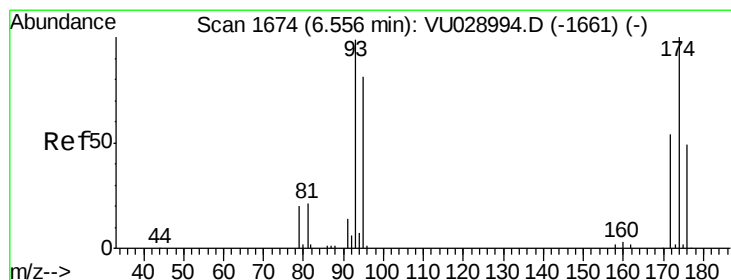
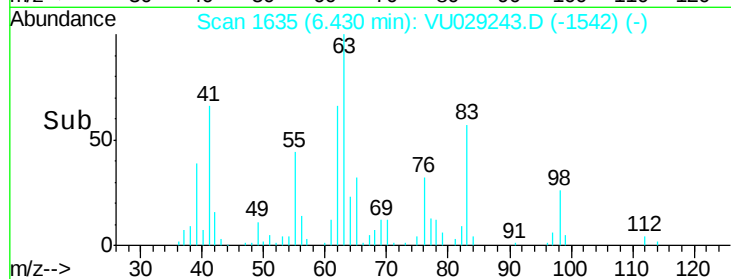
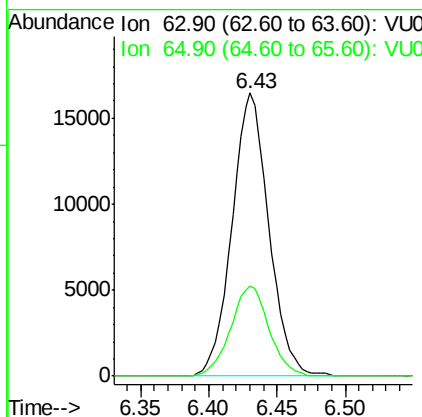
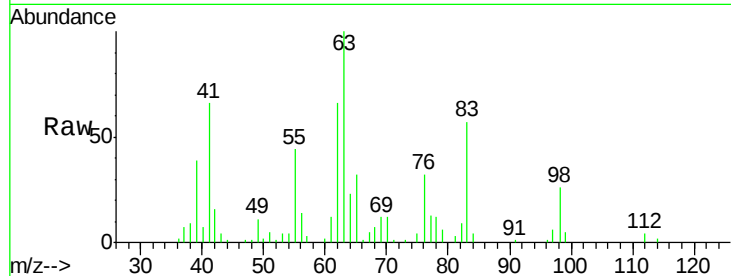
#45
 1,2-Dichloropropane
 Concen: 20.310 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion: 63 Resp: 30821
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7

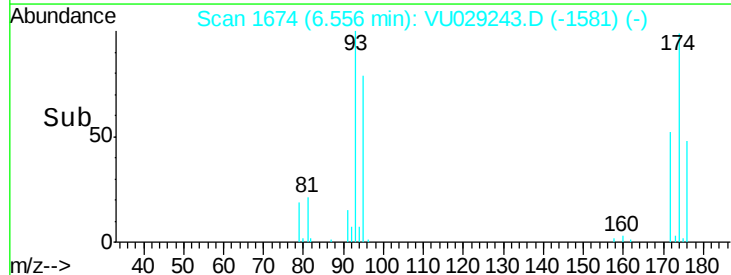
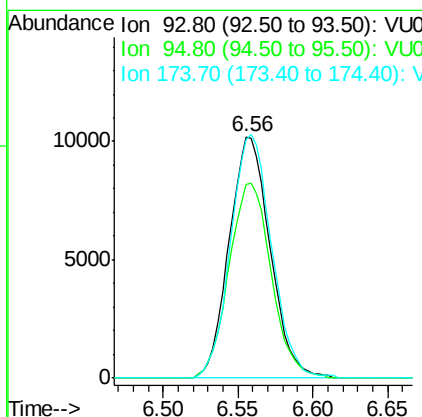
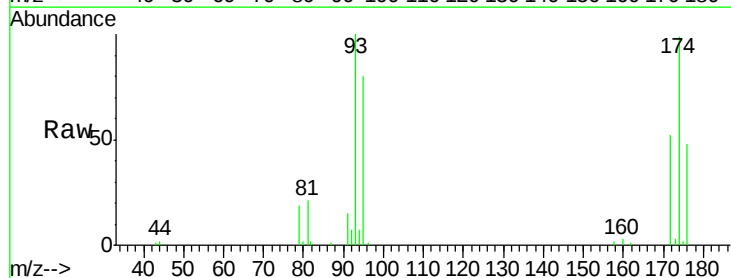
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#46
 Dibromomethane
 Concen: 20.043 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion: 93 Resp: 19444
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 101.1 82.6 123.8





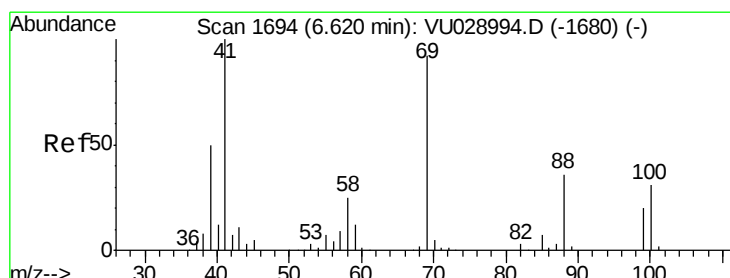
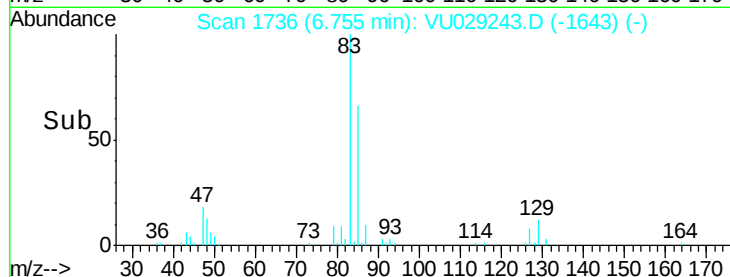
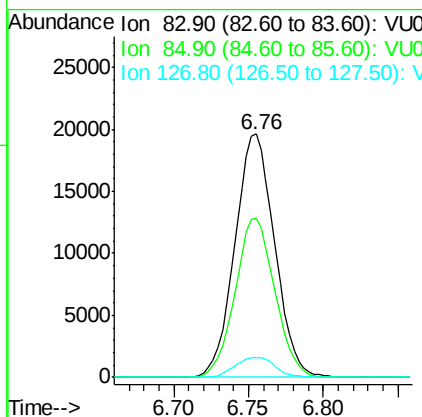
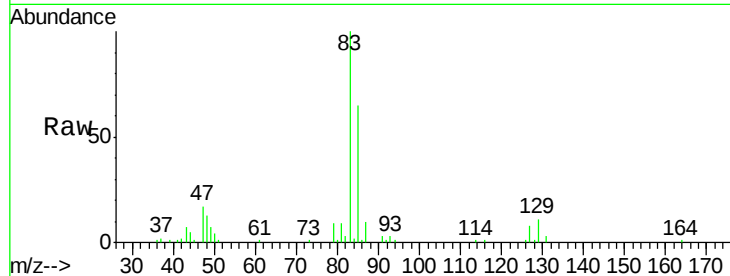
#47
Bromodichloromethane
Concen: 20.299 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2
127	8.3	7.0	10.4

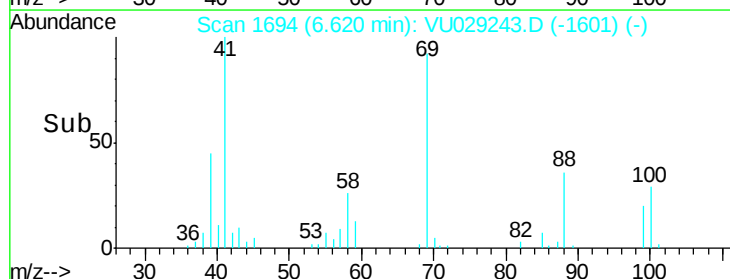
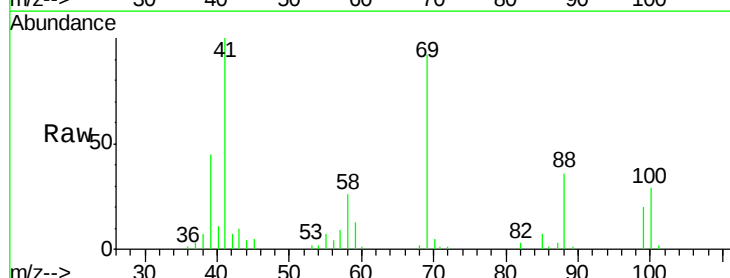
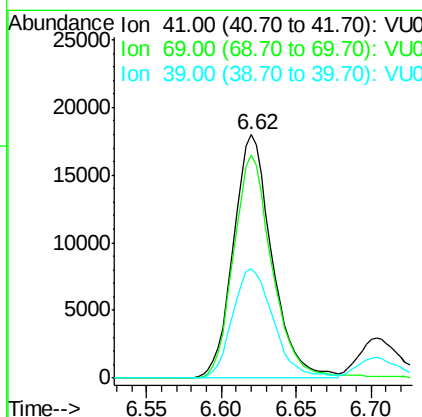
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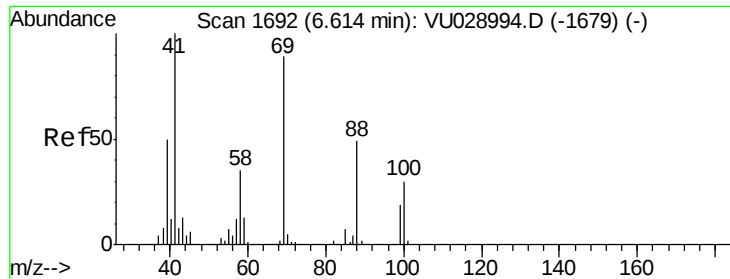
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#48
Methyl methacrylate
Concen: 21.434 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.0	73.6	110.4
39	47.4	39.6	59.4





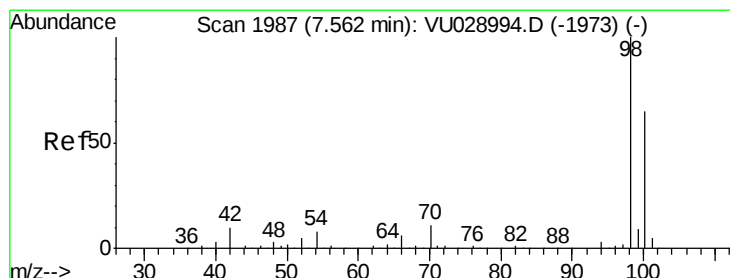
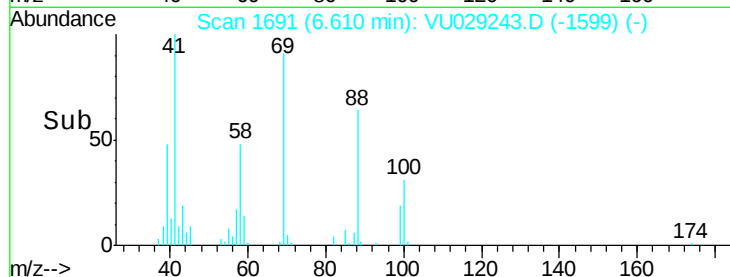
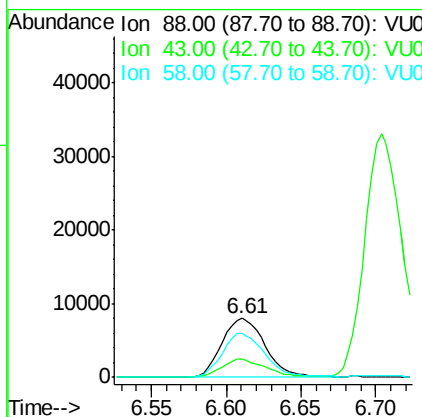
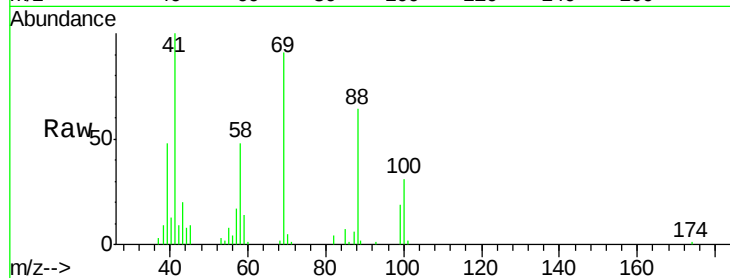
#49
1,4-Dioxane
Concen: 453.800 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	23.0	34.4
58	72.3	57.9	86.9

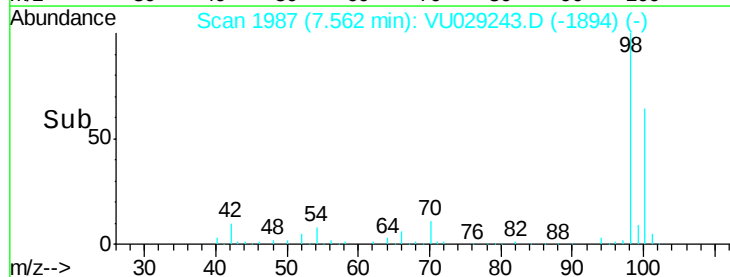
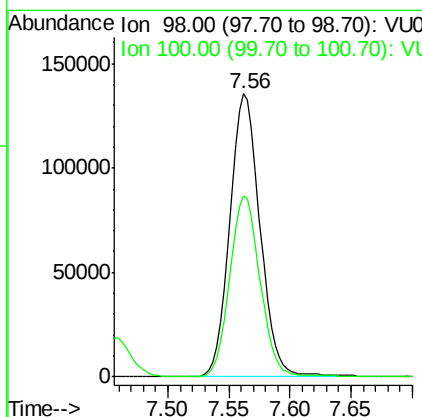
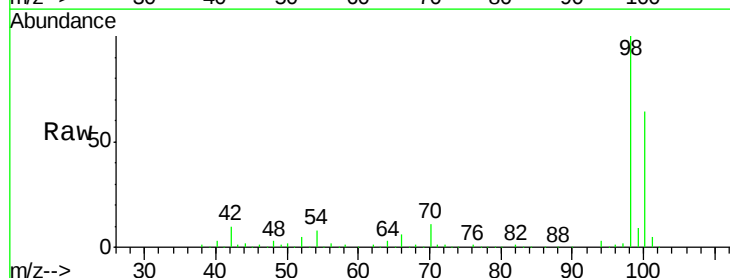
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#50
Toluene-d8
Concen: 49.696 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.079 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampled :

VU0121WBS01

Tot Ion: 43 Resp: 230279

Ion Ratio Lower Upper

43 100

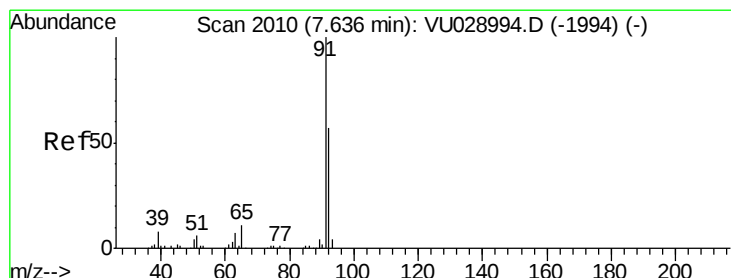
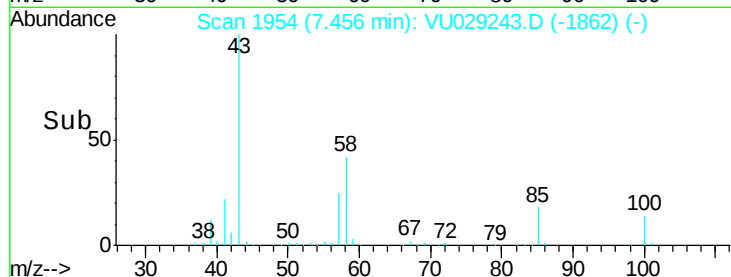
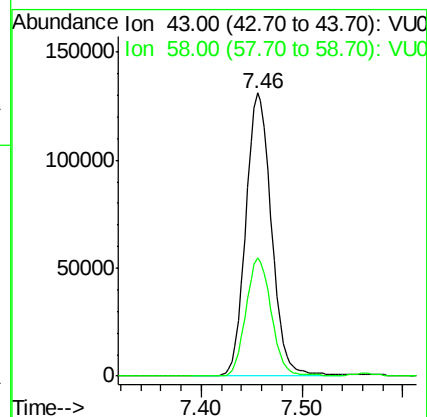
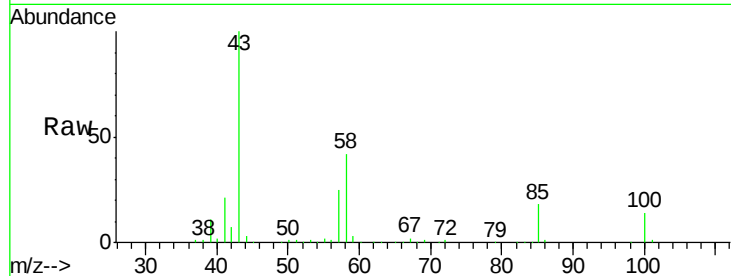
58 41.4 33.9 50.9

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#52

Toluene

Concen: 19.137 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029243.D

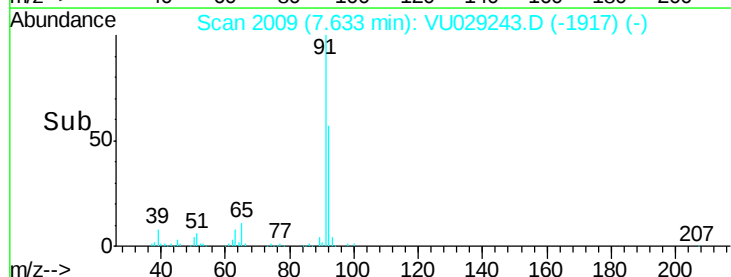
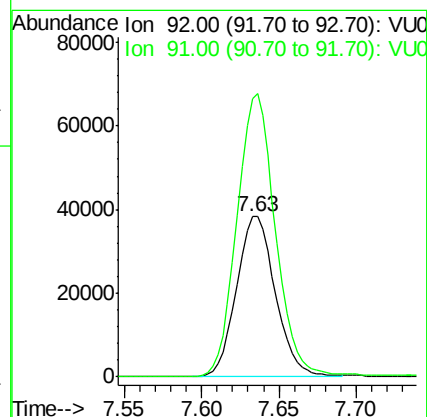
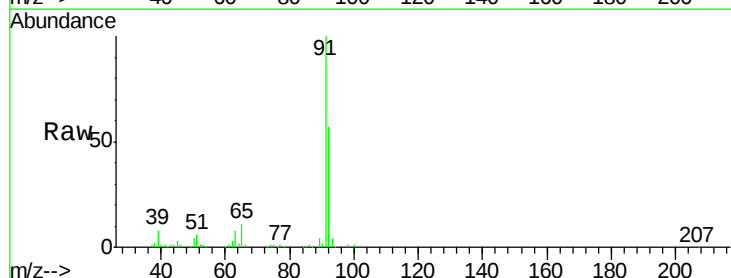
Acq: 21 Jan 2019 12:56

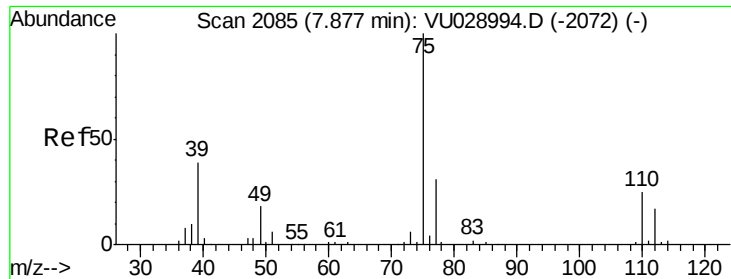
Tgt Ion: 92 Resp: 66947

Ion Ratio Lower Upper

92 100

91 175.4 139.8 209.8





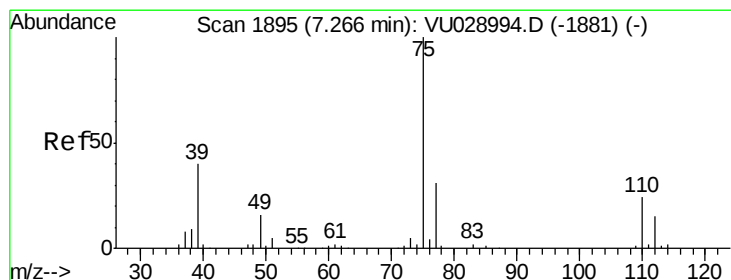
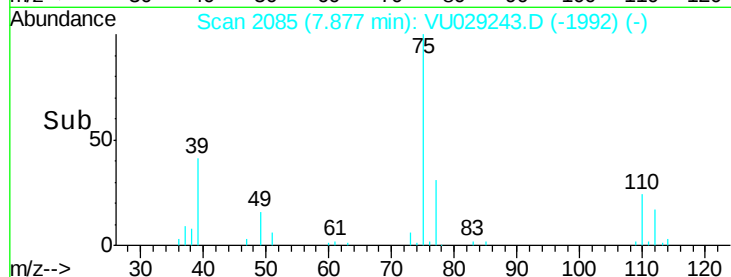
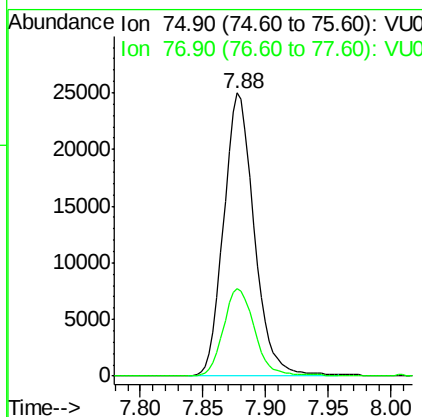
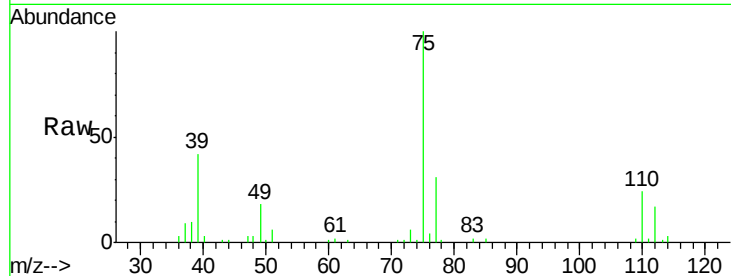
#53
 t-1,3-Dichloropropene
 Concen: 19.684 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion: 75 Resp: 42234
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.4

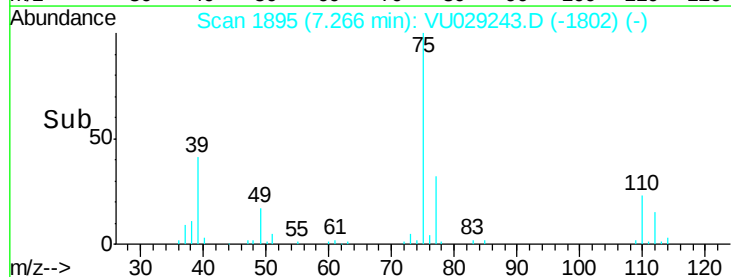
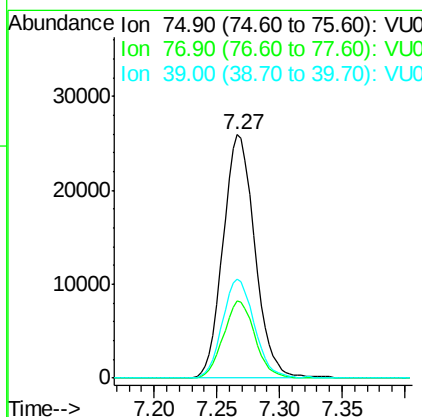
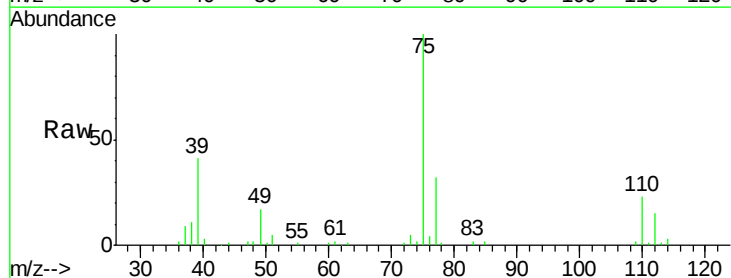
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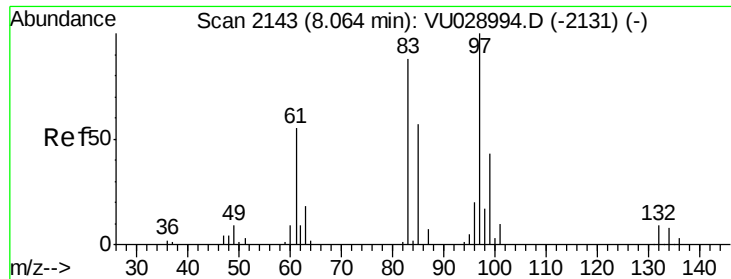
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#54
 cis-1,3-Dichloropropene
 Concen: 19.708 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion: 75 Resp: 45693
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6
 39 40.6 32.2 48.4





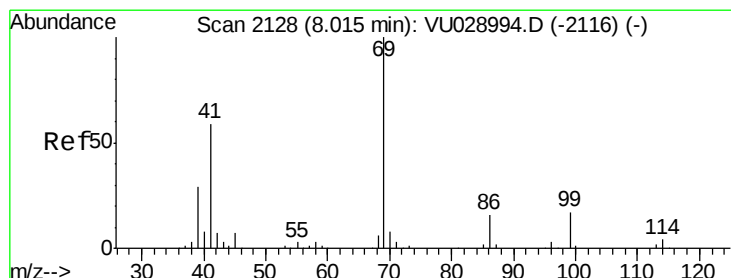
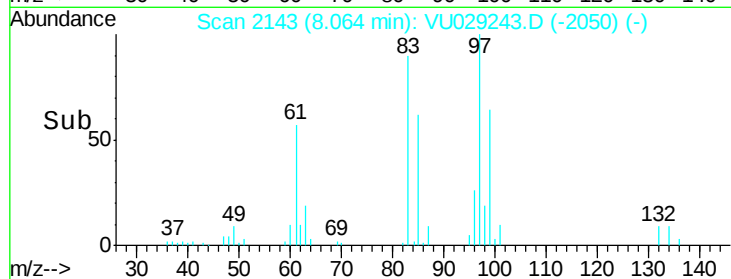
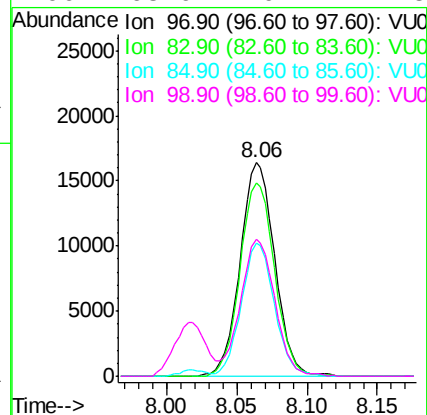
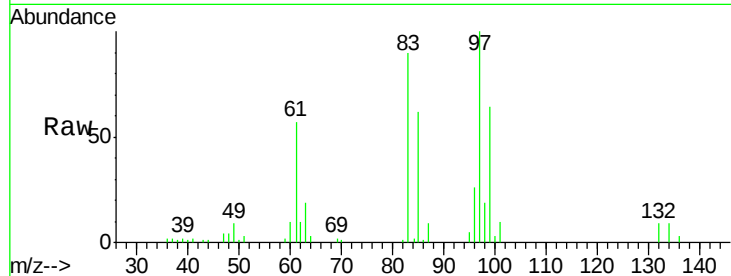
#55
 1,1,2-Trichloroethane
 Concen: 20.143 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		28230		
83	90.5	69.8	104.8		
85	62.1	47.3	70.9		
99	63.9	49.7	74.5		

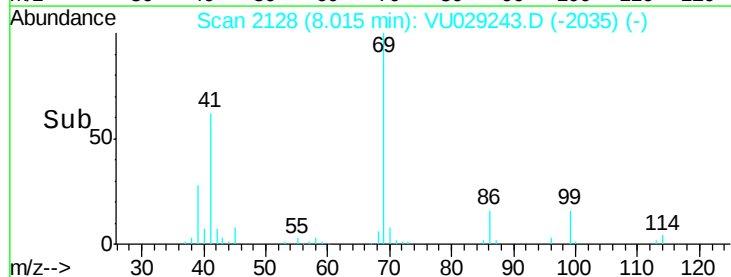
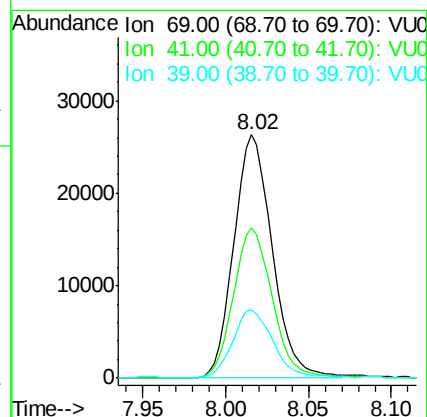
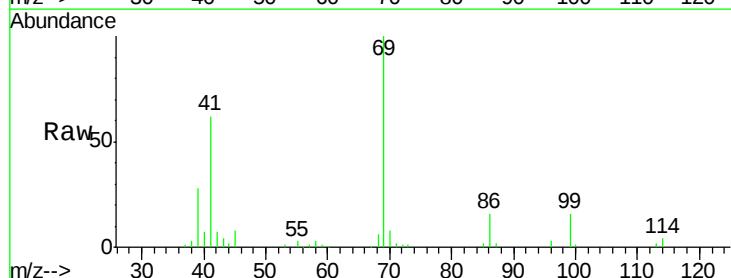
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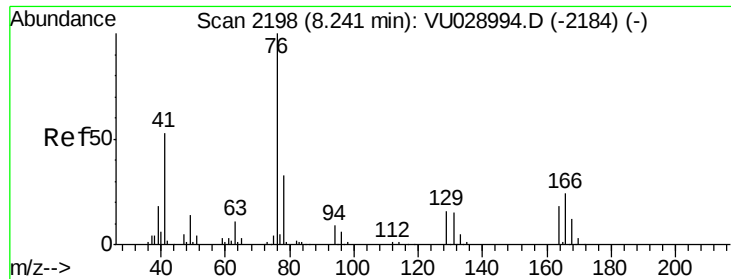
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#56
 Ethyl methacrylate
 Concen: 19.681 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		42495		
41	62.6	47.5	71.3		
39	29.9	22.5	33.7		





#57

1,3-Dichloropropane

Concen: 20.007 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 76 Resp: 47978

Ion Ratio Lower Upper

76 100

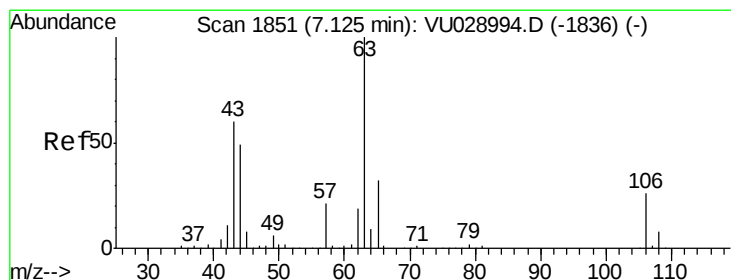
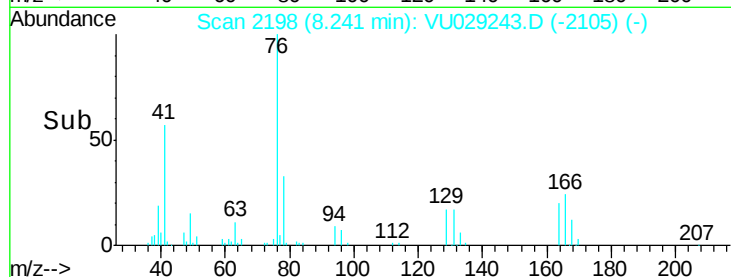
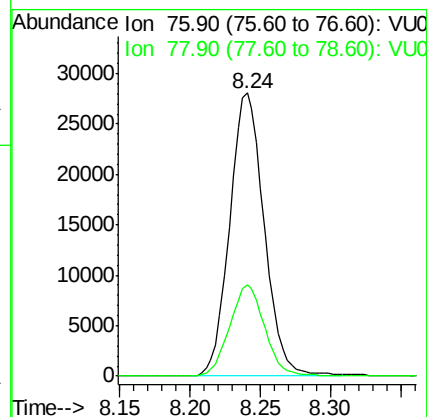
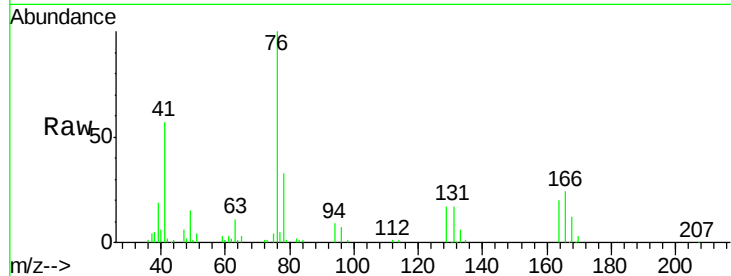
78 32.4 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 99.087 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU029243.D

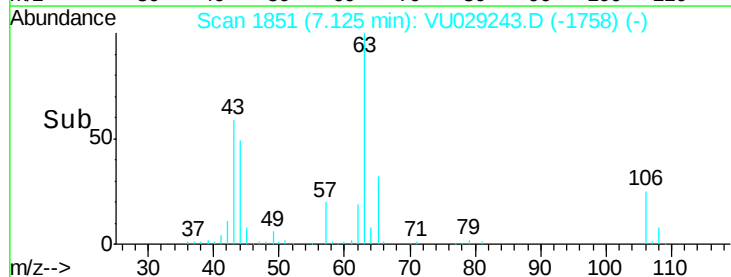
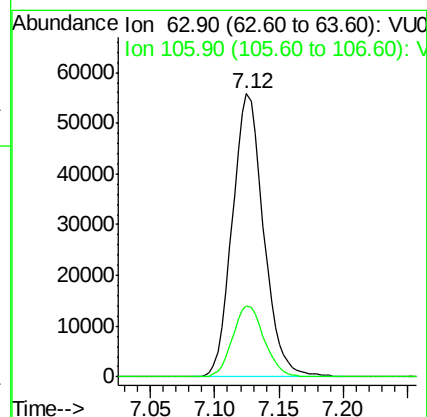
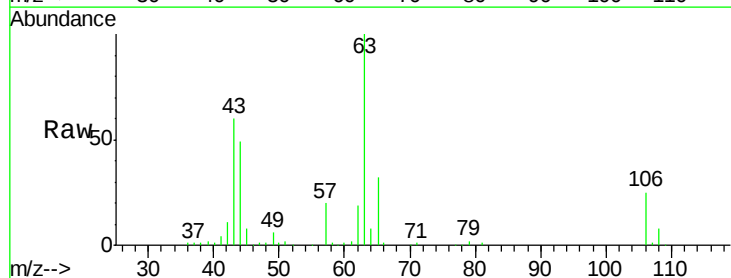
Acq: 21 Jan 2019 12:56

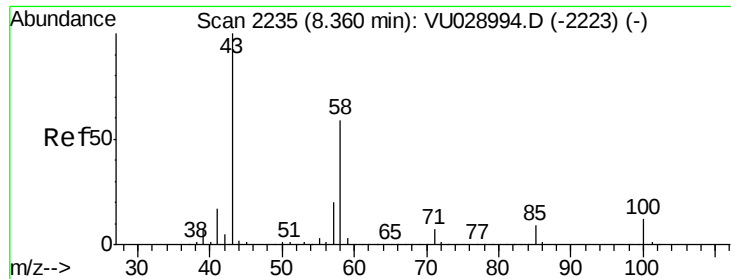
Tgt Ion: 63 Resp: 94088

Ion Ratio Lower Upper

63 100

106 25.3 20.6 31.0





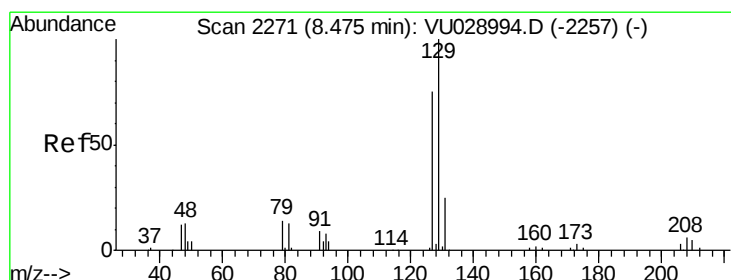
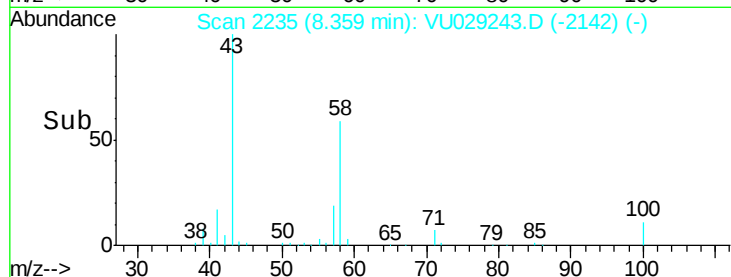
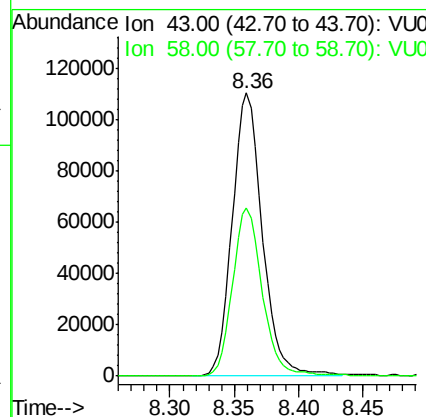
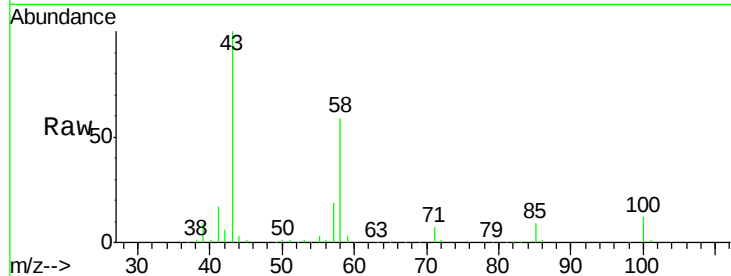
#59
2-Hexanone
Concen: 108.240 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion: 43 Resp: 179369
Ion Ratio Lower Upper
43 100
58 59.3 29.8 89.4

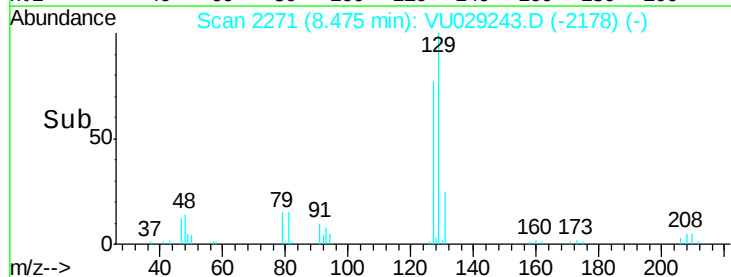
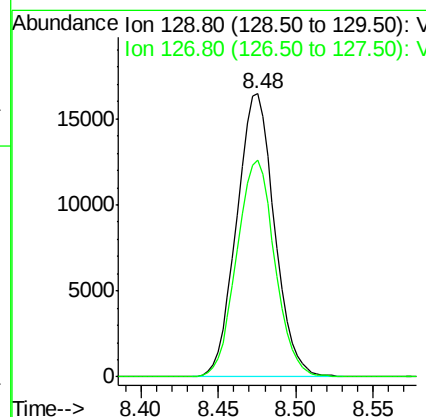
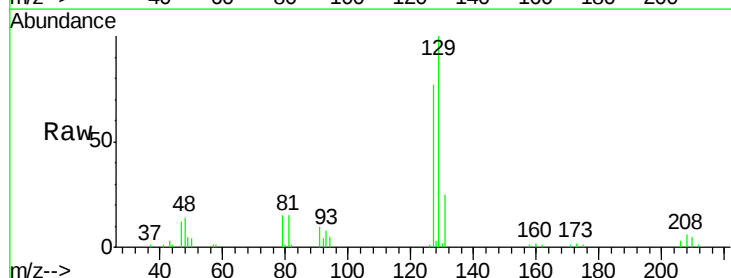
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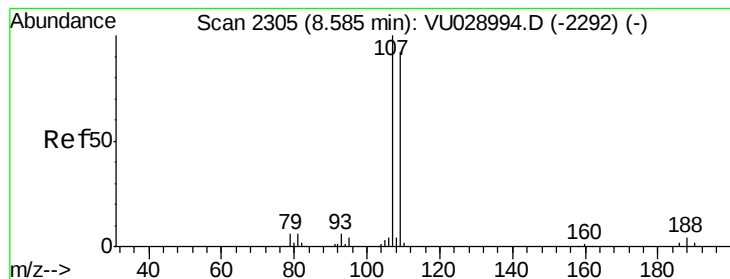
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#60
Dibromochloromethane
Concen: 20.133 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion:129 Resp: 27954
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.490 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:107 Resp: 29625

Ion Ratio Lower Upper

107 100

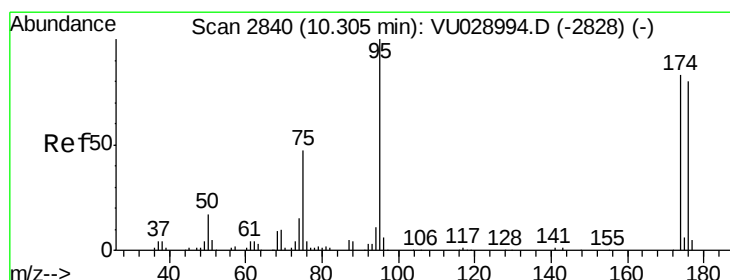
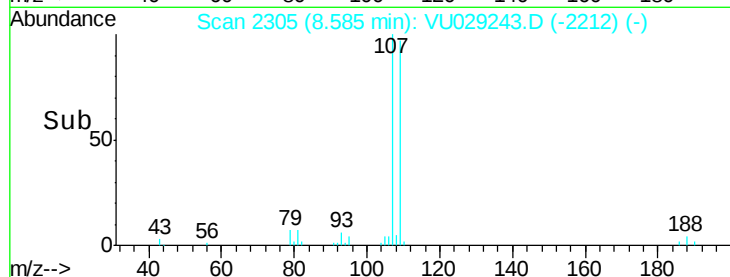
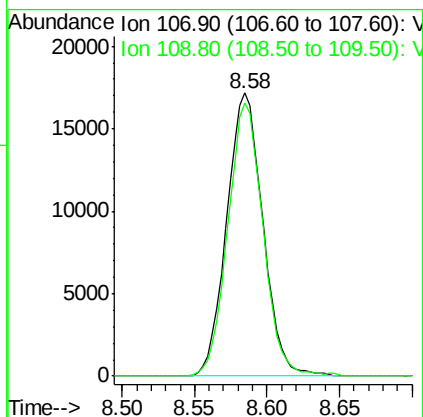
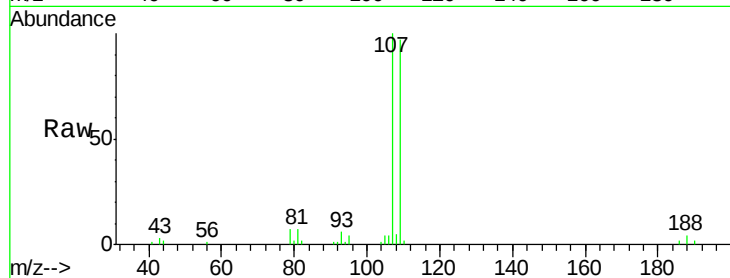
109 94.0 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 49.047 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

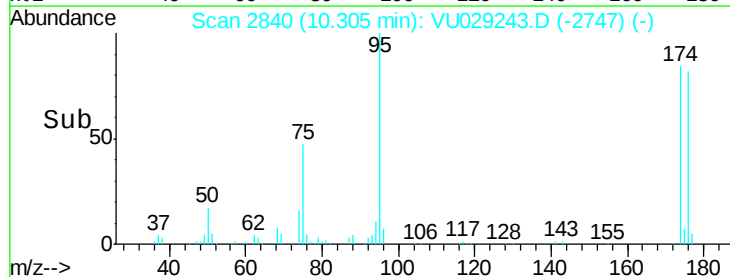
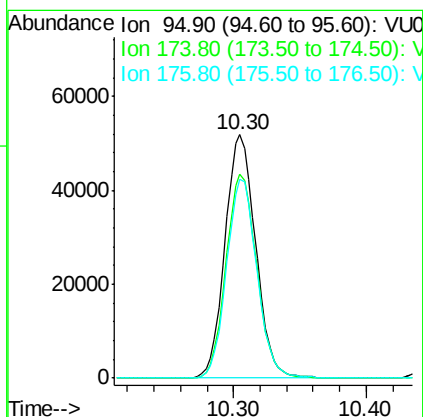
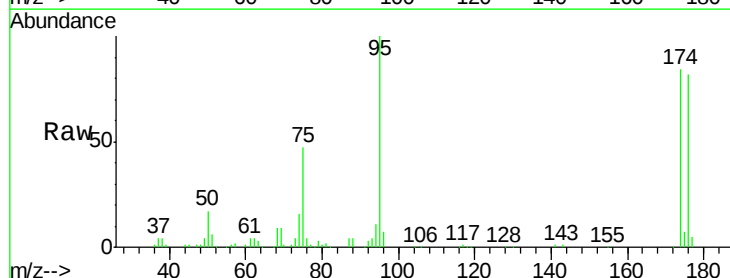
Tgt Ion: 95 Resp: 83140

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.6

176 81.2 0.0 165.0





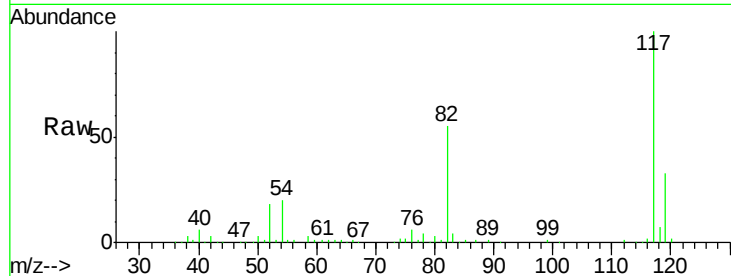
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampled :
VU0121WBS01

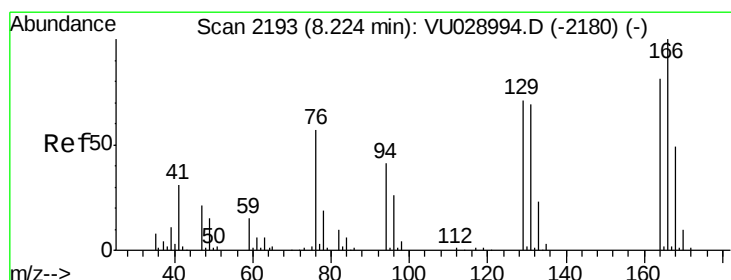
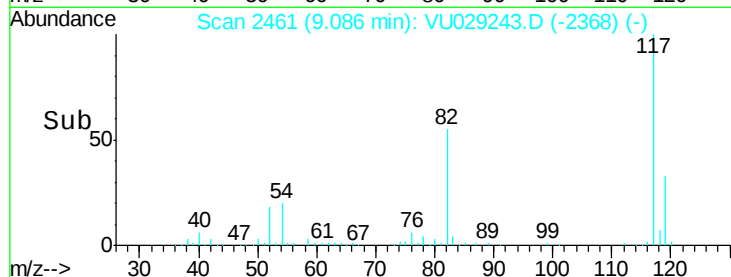
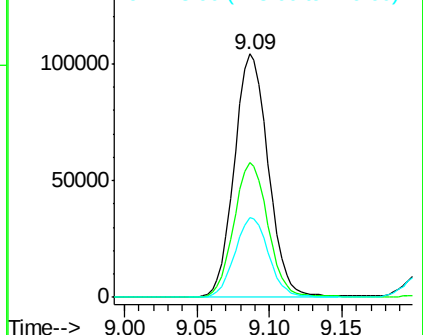
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.9	65.9
119	32.5	26.0	39.0

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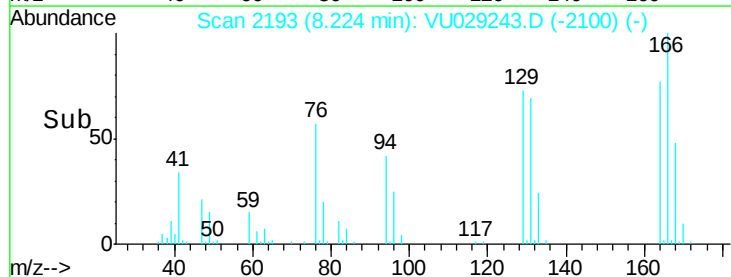
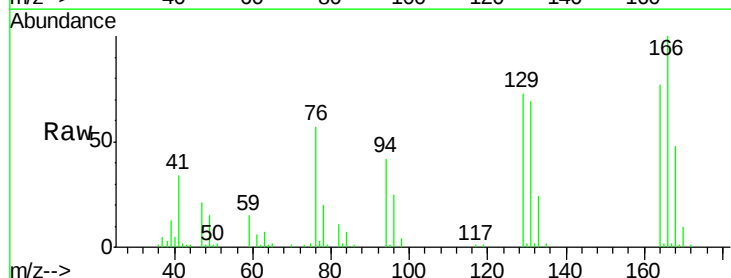
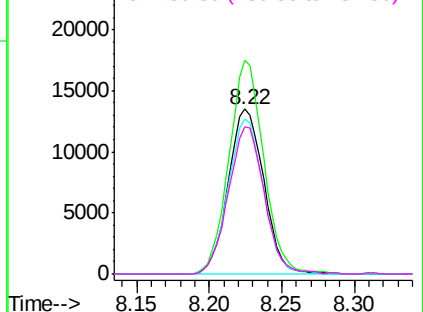
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

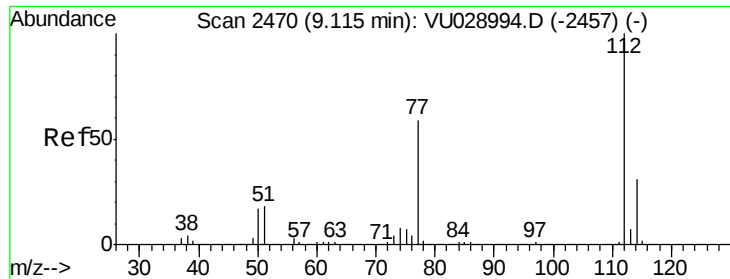


#64
Tetrachloroethene
Concen: 18.697 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	99.4	149.0
129	94.1	70.5	105.7
131	89.1	69.0	103.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





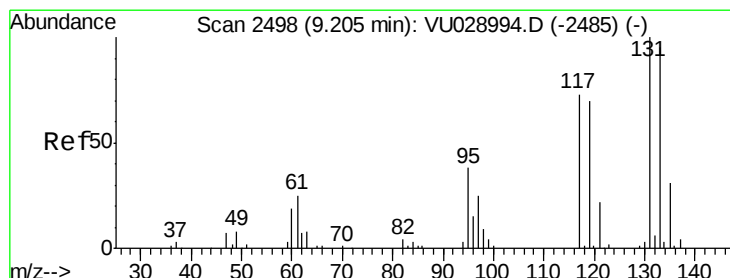
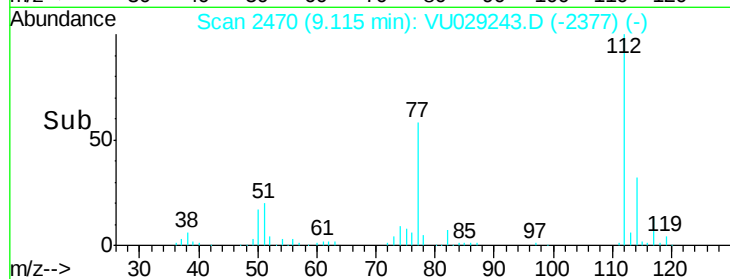
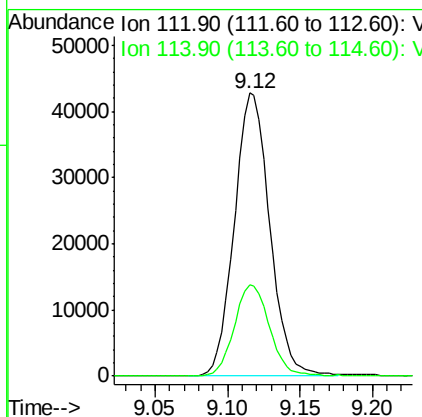
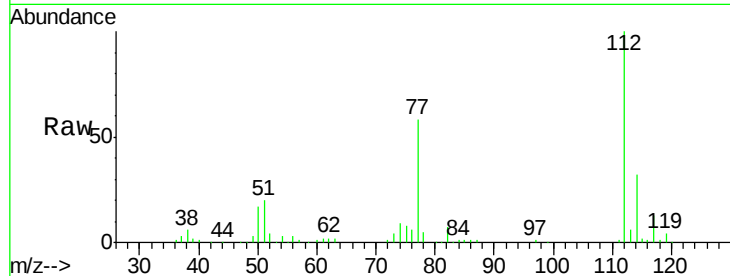
#65
Chlorobenzene
Concen: 19.052 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion:112 Resp: 72822
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

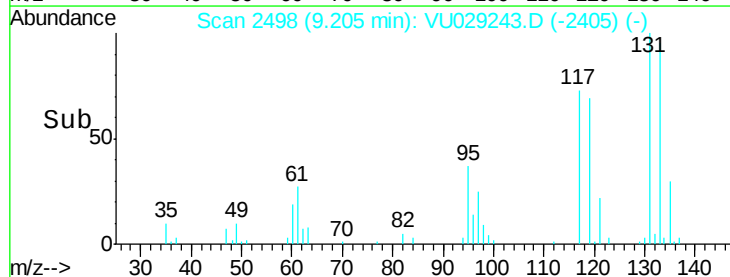
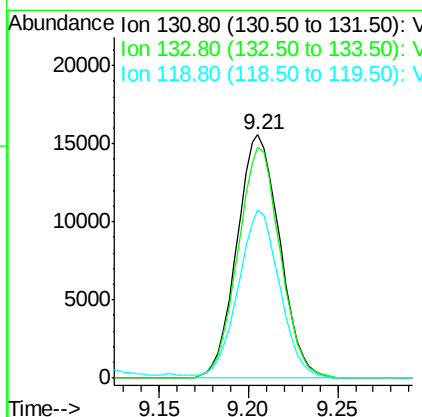
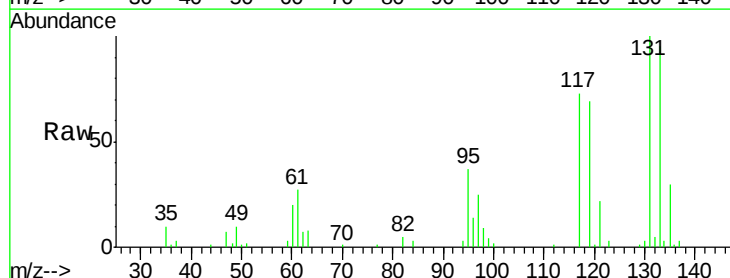
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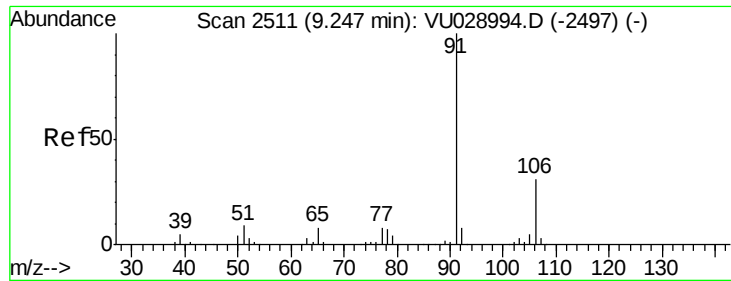
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.039 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion:131 Resp: 26097
Ion Ratio Lower Upper
131 100
133 93.9 48.2 144.6
119 67.2 35.4 106.3





#67

Ethyl Benzene

Concen: 19.481 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 91 Resp: 124316

Ion Ratio Lower Upper

91 100

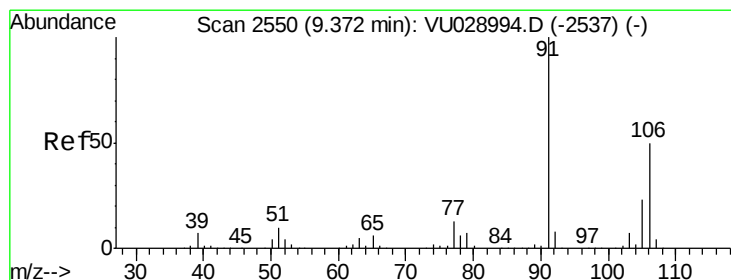
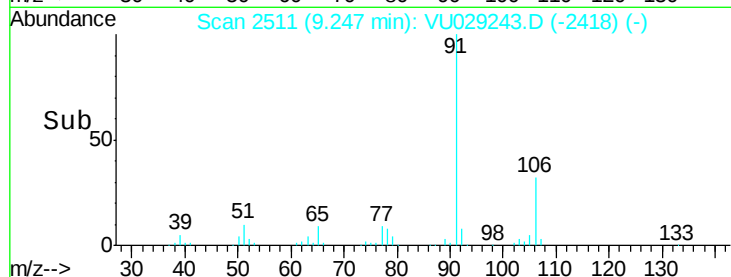
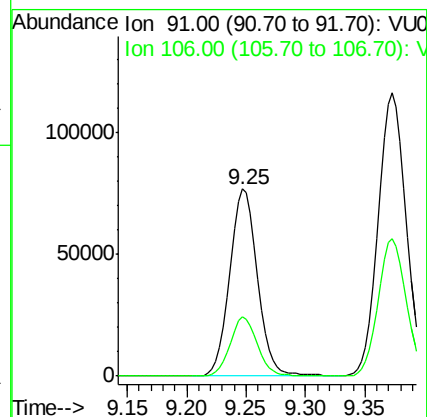
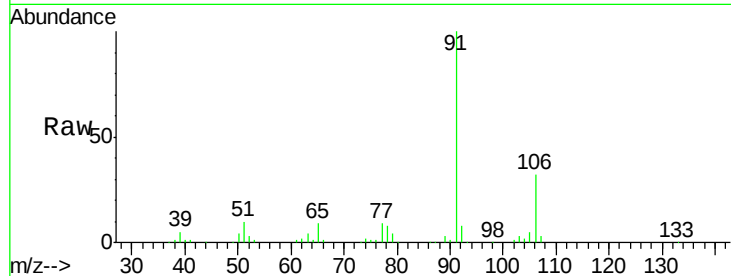
106 31.6 25.0 37.4

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#68

m/p-Xylenes

Concen: 37.372 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU029243.D

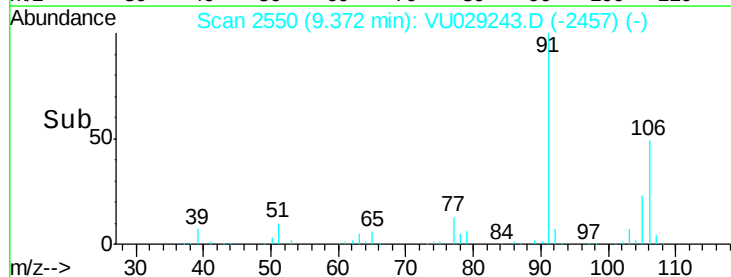
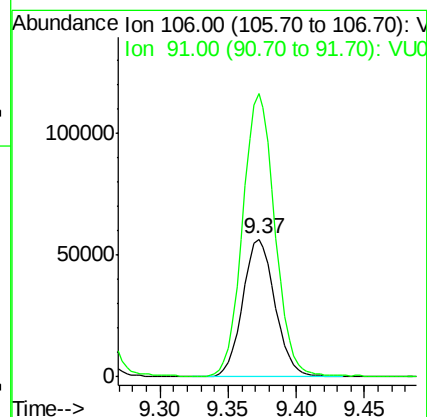
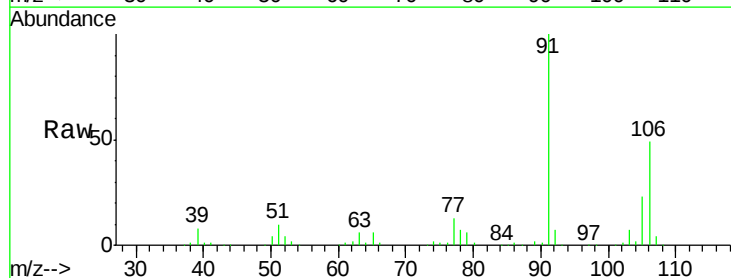
Acq: 21 Jan 2019 12:56

Tgt Ion: 106 Resp: 92666

Ion Ratio Lower Upper

106 100

91 207.0 161.7 242.5





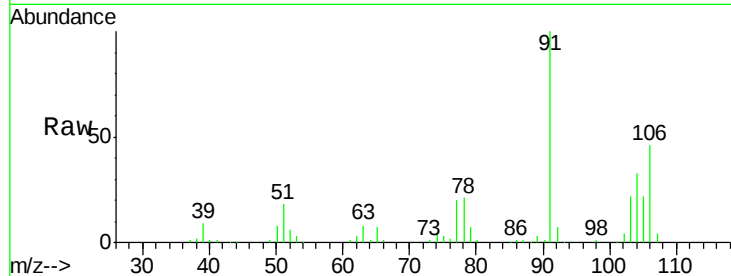
#69
o-Xylene
Concen: 19.436 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

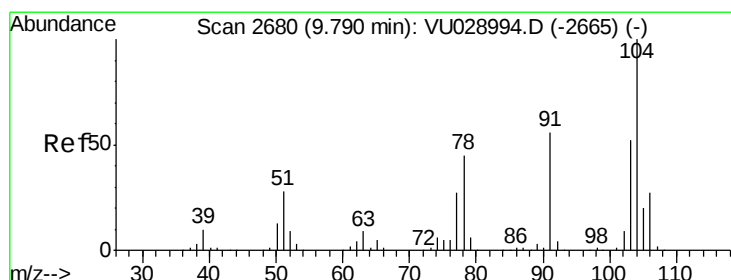
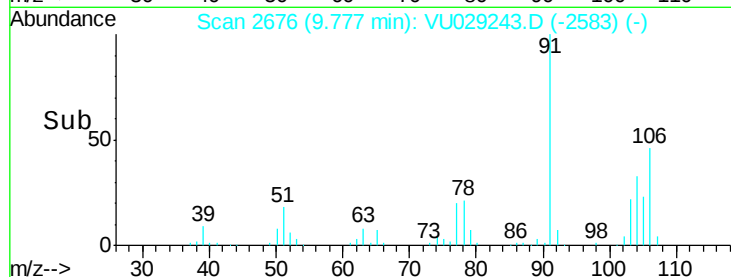
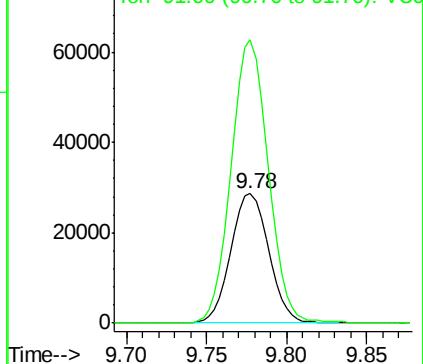
Tot Ion:106 Resp: 46436
Ion Ratio Lower Upper
106 100
91 213.2 106.1 318.3

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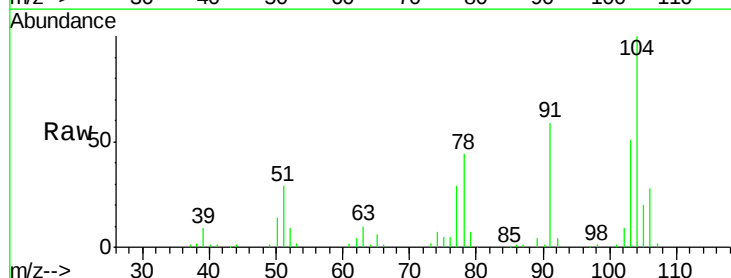


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

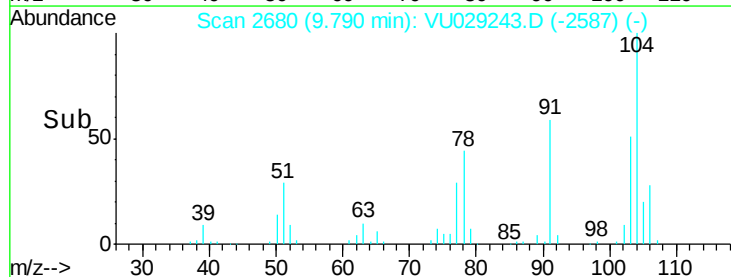
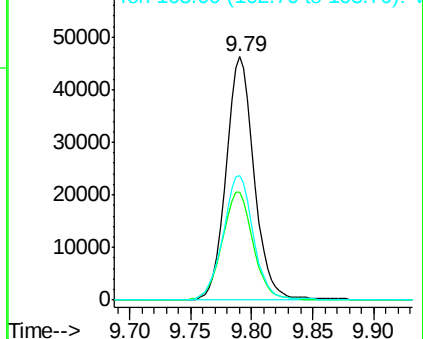


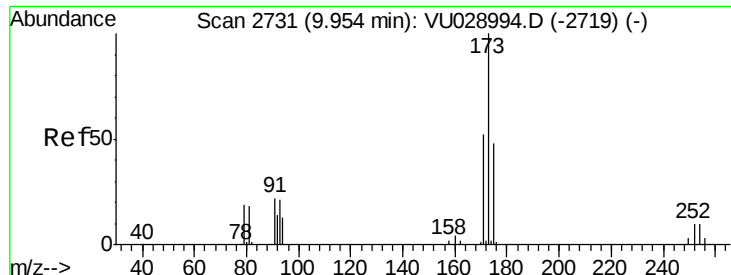
#70
Styrene
Concen: 19.162 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion:104 Resp: 75048
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 55.0 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.690 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:173 Resp: 22852

Ion Ratio Lower Upper

173 100

175 48.1 23.8 71.2

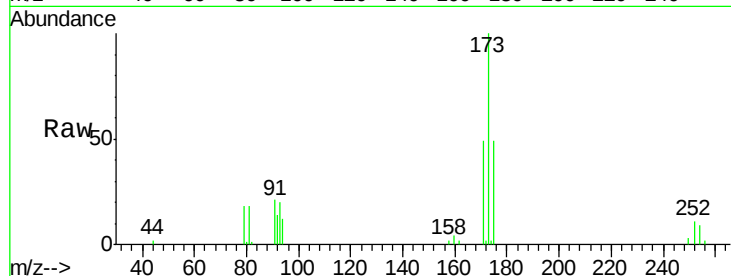
254 0.0 0.0 0.0

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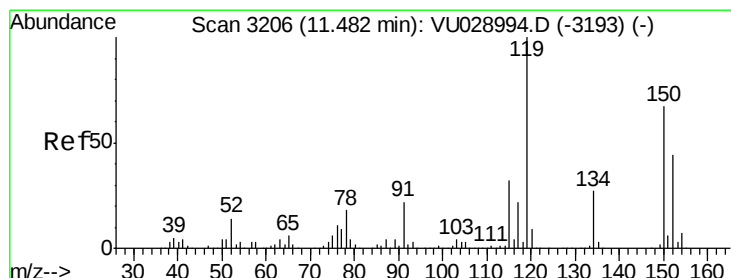
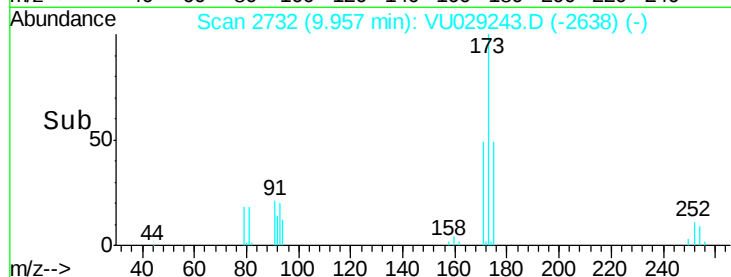
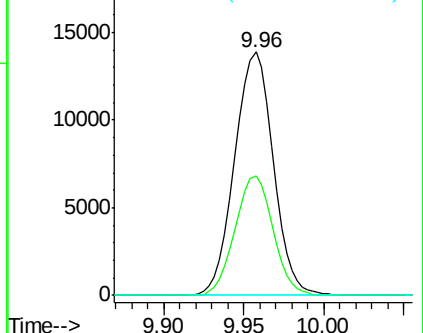
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

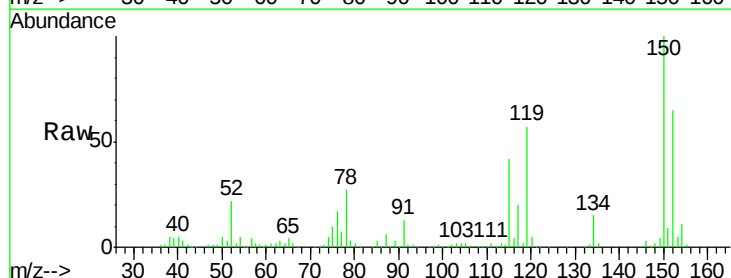
Tgt Ion:152 Resp: 81482

Ion Ratio Lower Upper

152 100

115 66.9 40.1 120.3

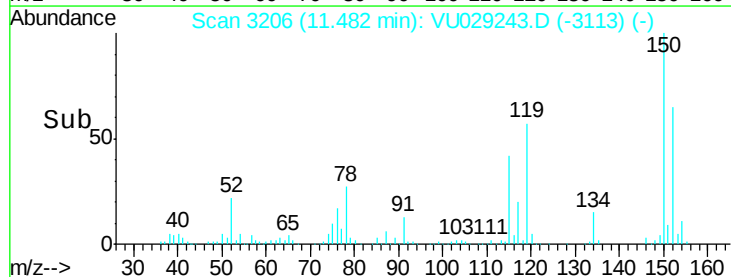
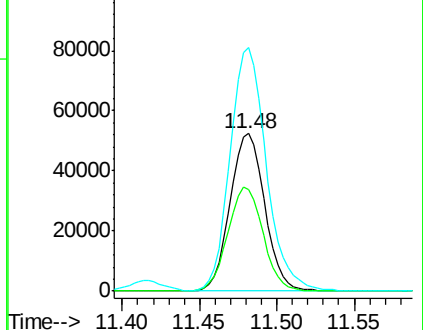
150 162.1 0.0 345.2

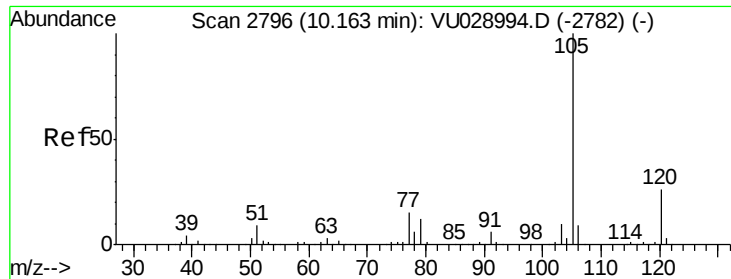


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.312 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 105 Resp: 122502

Ion Ratio Lower Upper

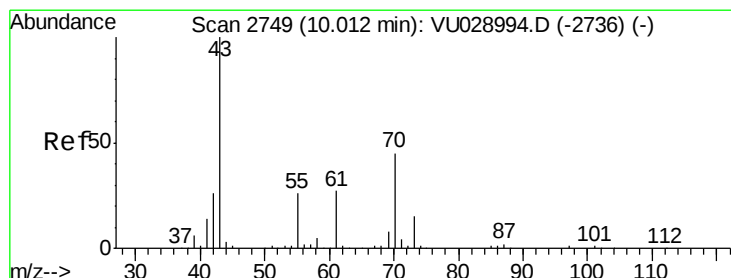
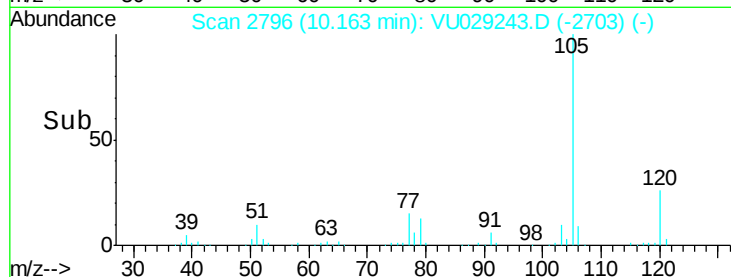
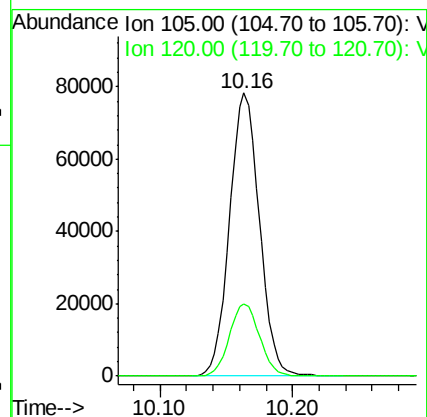
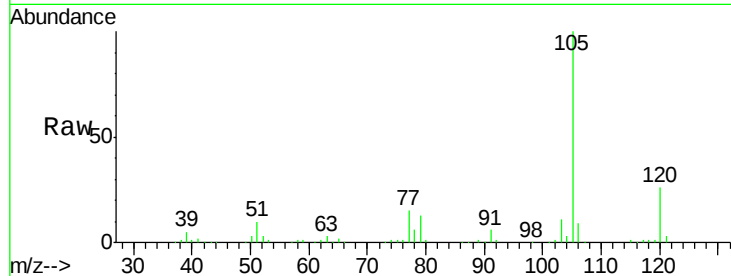
105 100

120 25.8 13.2 39.5

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#74

N-ethyl acetate

Concen: 21.075 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Tgt Ion: 43 Resp: 54771

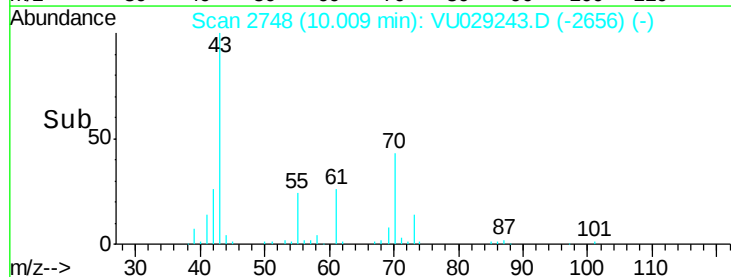
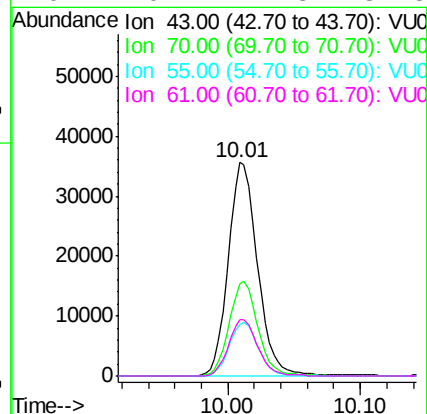
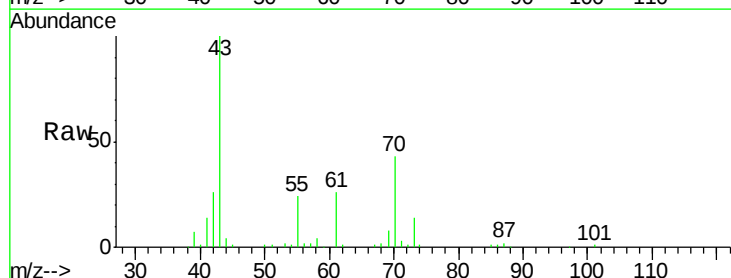
Ion Ratio Lower Upper

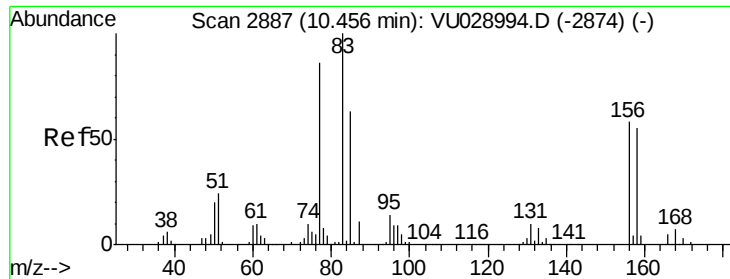
43 100

70 43.6 36.3 54.5

55 25.0 20.5 30.7

61 26.2 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.185 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

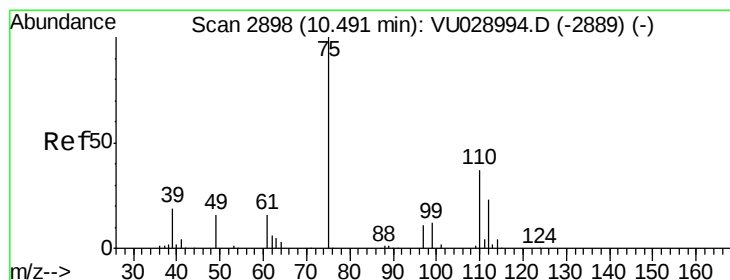
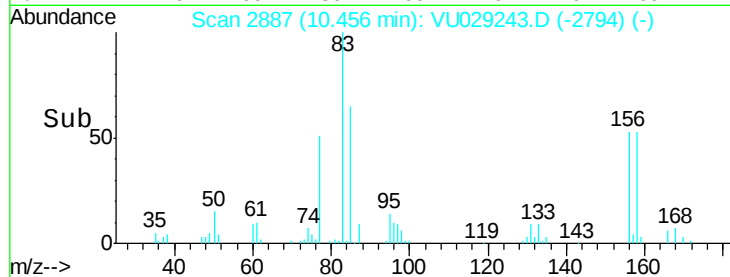
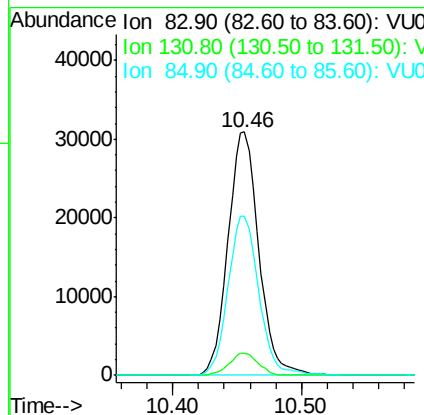
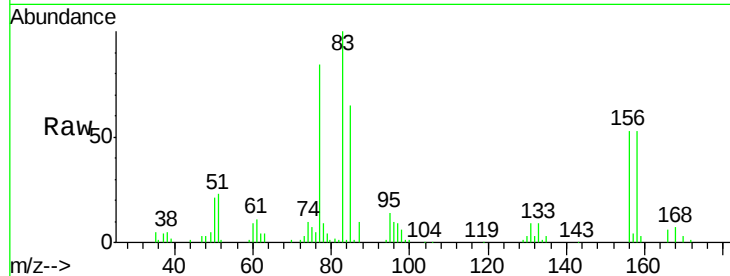
ClientSampleId :

VU0121WBS01

Tot Ion:	83	Resp:	51209
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.7	14.1
85	65.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 22.008 ug/l m

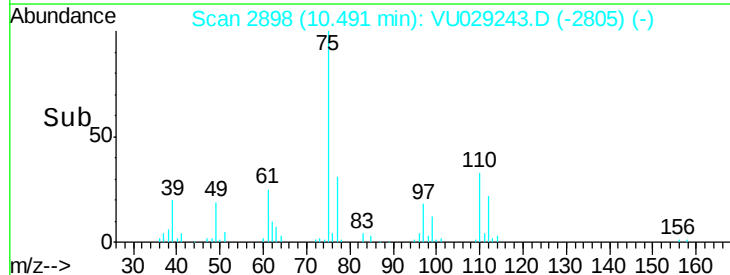
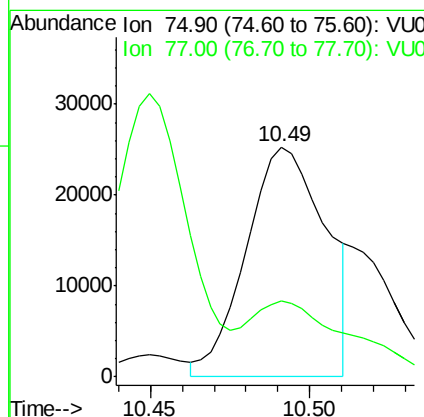
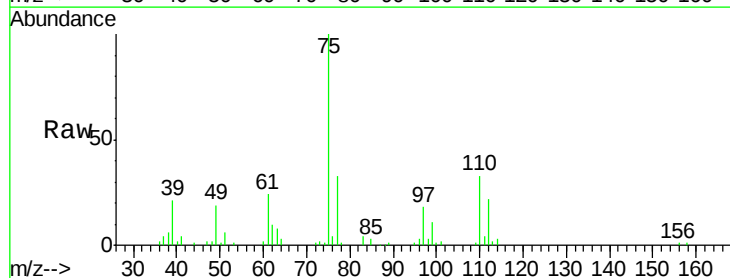
RT: 10.49 min Scan# 2898

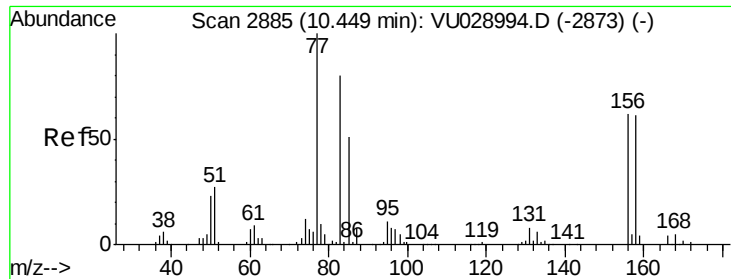
Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Tgt Ion:	75	Resp:	43937
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.9	62.8





#77

Bromobenzene

Concen: 19.956 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

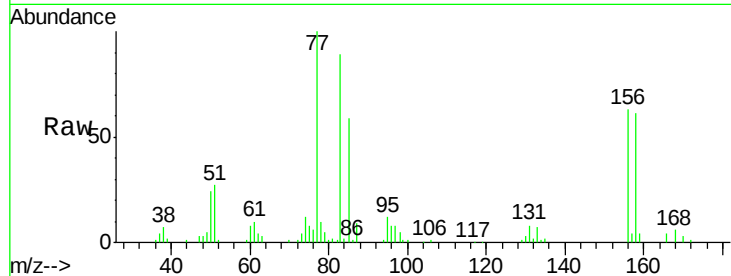
ClientSampleId :

VU0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	162.0		79.0	237.2	
158	97.3		48.9	146.6	

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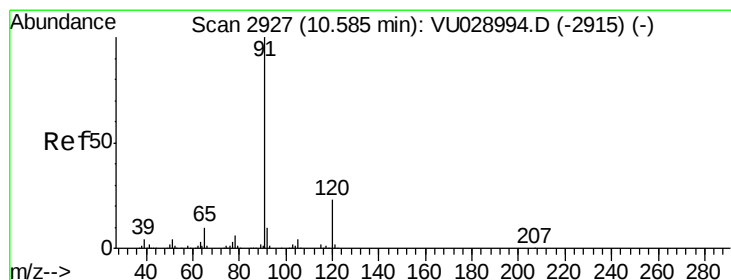
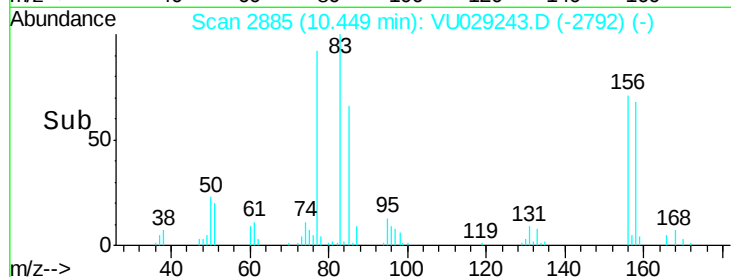
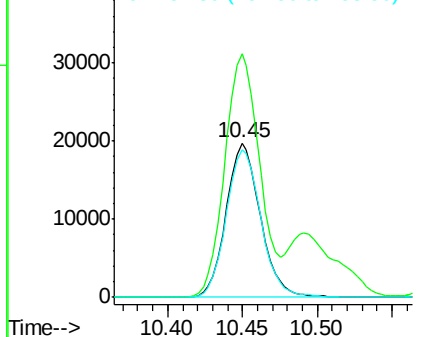


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.659 ug/l

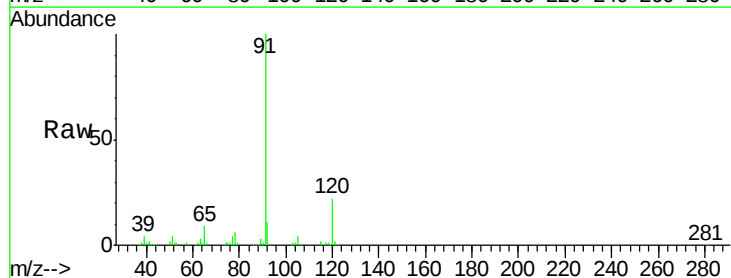
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

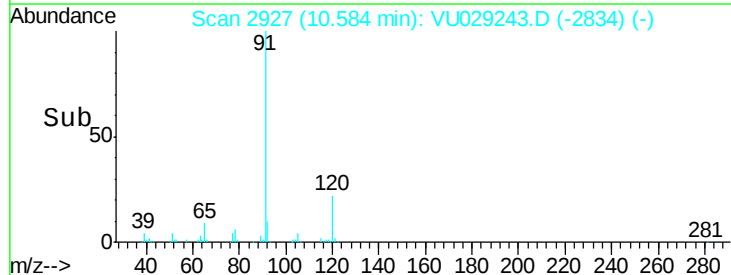
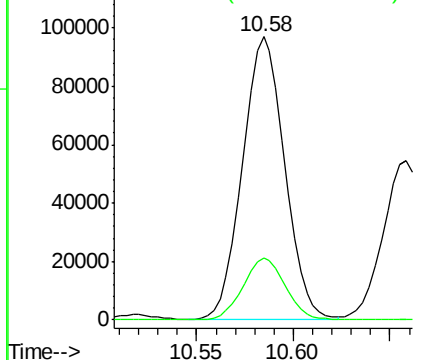
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9		11.3	33.9	



Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.934 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 91 Resp: 85947

Ion Ratio Lower Upper

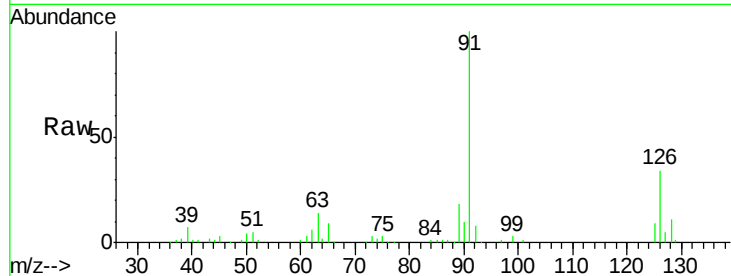
91 100

126 35.2 16.8 50.4

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)

100000

80000

60000

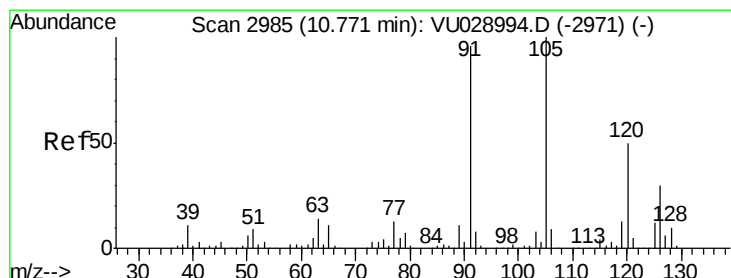
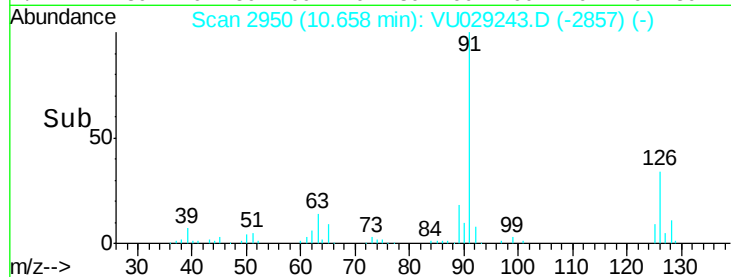
40000

20000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.299 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029243.D

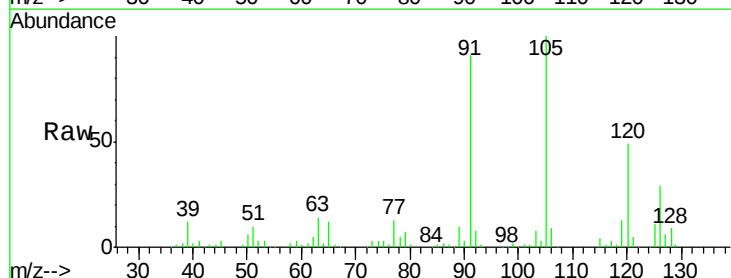
Acq: 21 Jan 2019 12:56

Tgt Ion: 105 Resp: 102233

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

60000

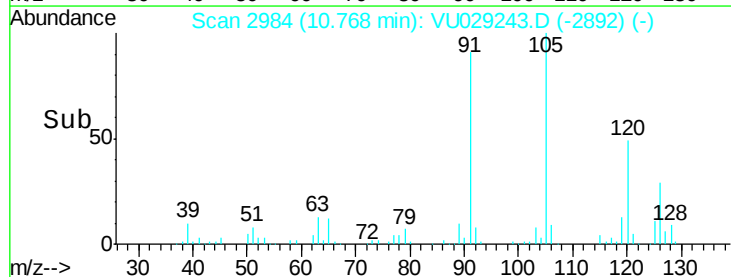
40000

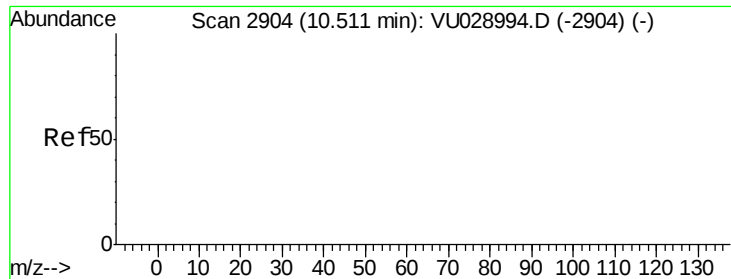
20000

0

10.70 10.75 10.80 10.85

Time-->





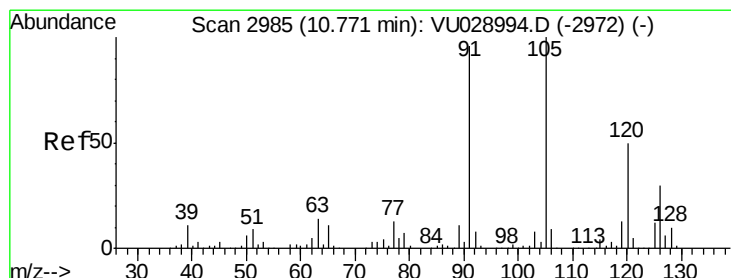
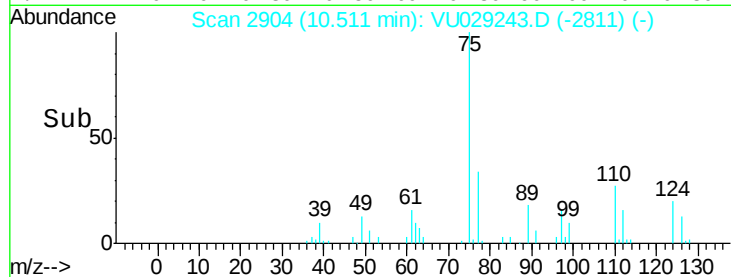
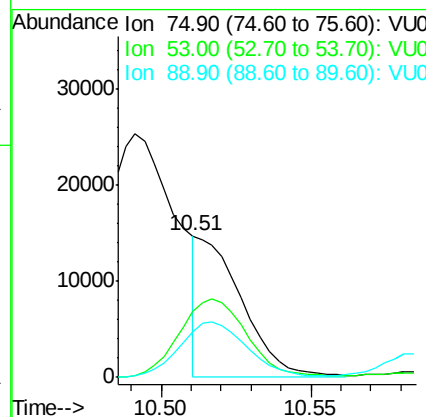
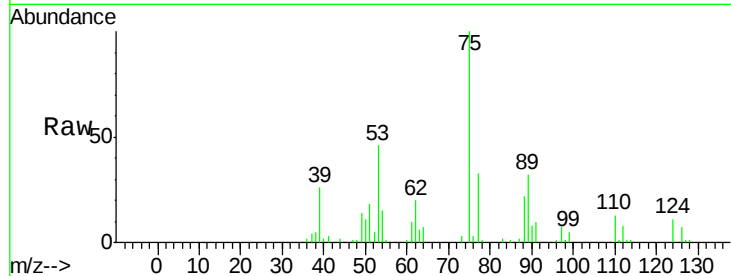
#81
trans-1,4-Dichloro-2-butene
Concen: 19.305 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

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

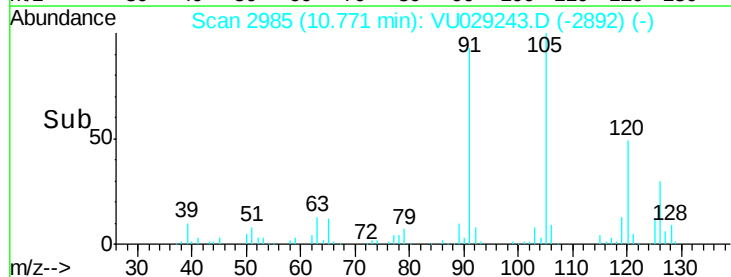
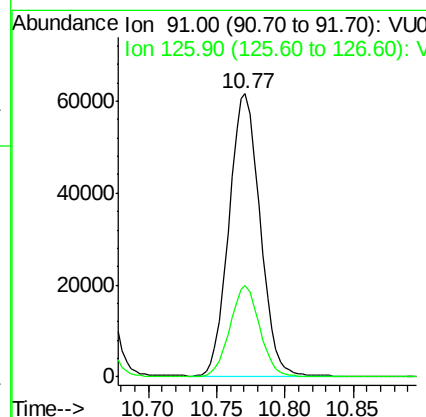
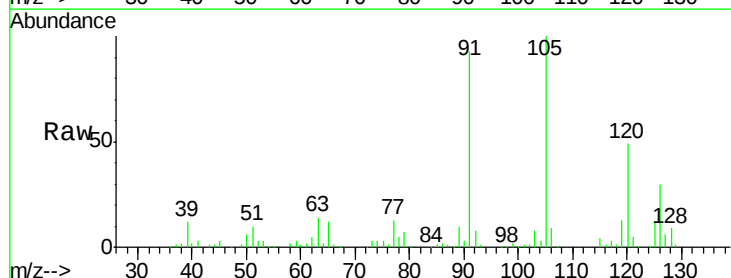
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#82
4-Chlorotoluene
Concen: 19.687 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.5	46.5





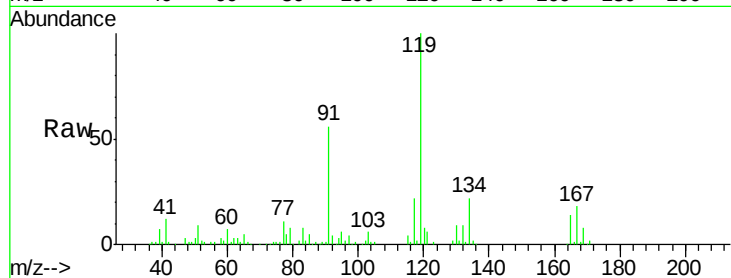
#83
tert-Butylbenzene
Concen: 18.398 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	91329		
91	57.1	28.2	84.6	
134	22.2	11.3	33.8	

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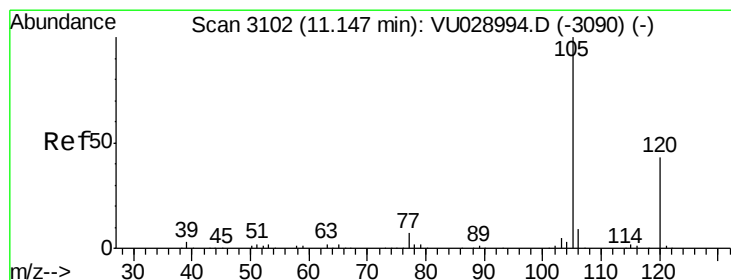
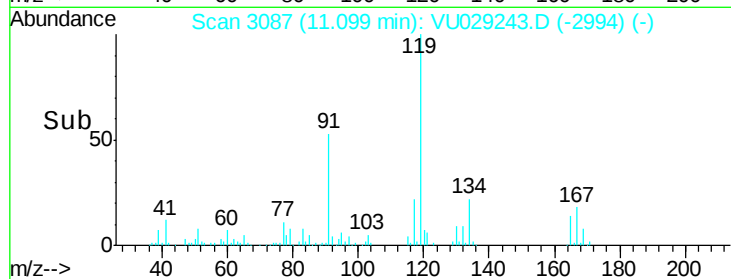
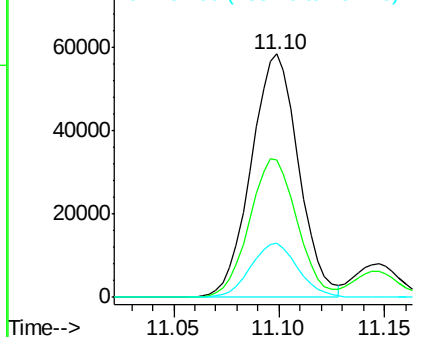


Abundance

Ion 119.00 (118.70 to 119.70): V

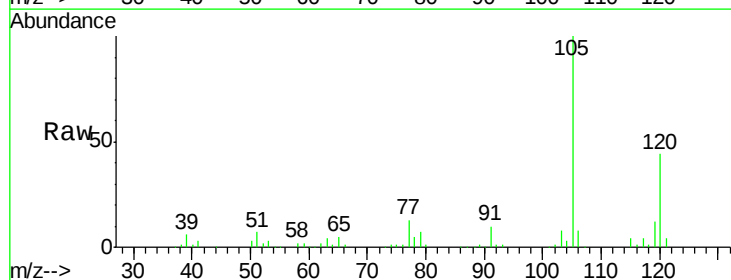
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 19.408 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

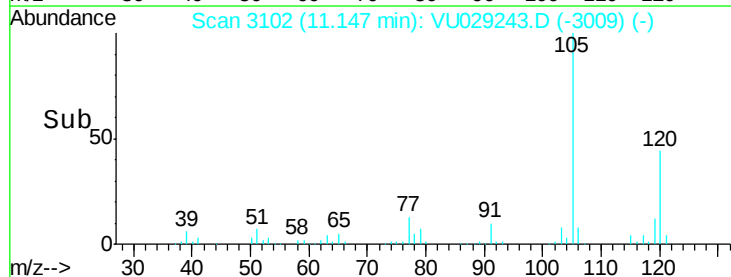
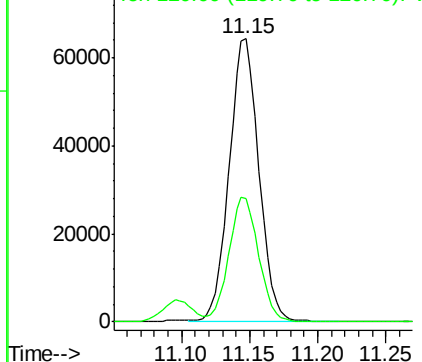
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	97593		
120	43.6	23.1	69.3	

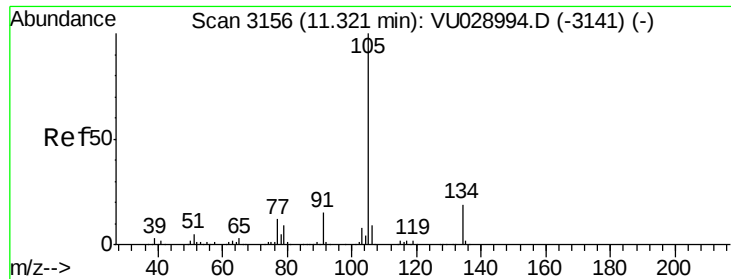


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.037 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:105 Resp: 120295

Ion Ratio Lower Upper

105 100

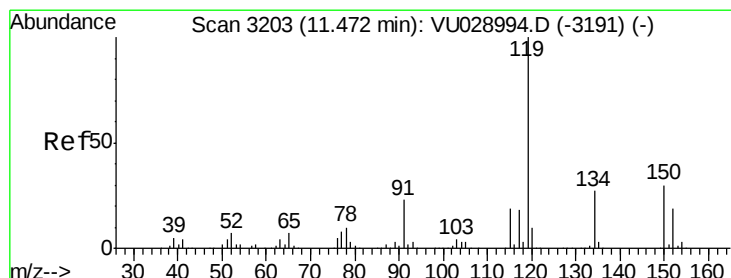
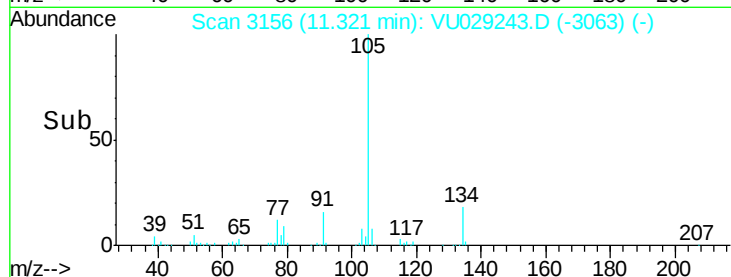
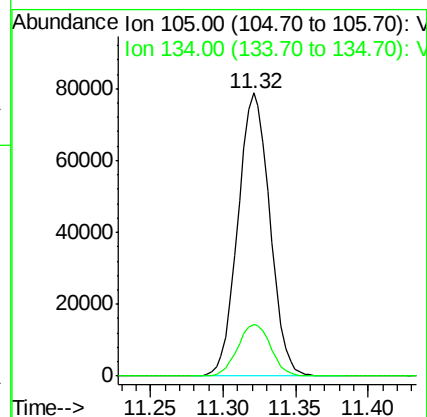
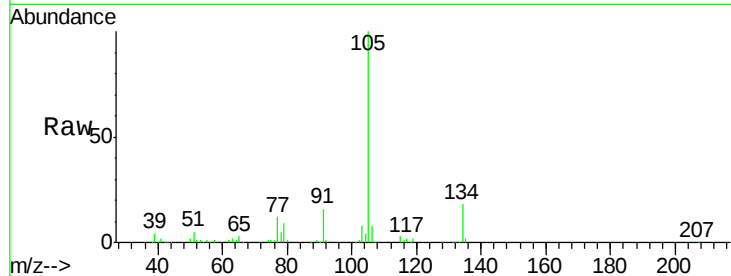
134 18.8 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 20.007 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU029243.D

Acq: 21 Jan 2019 12:56

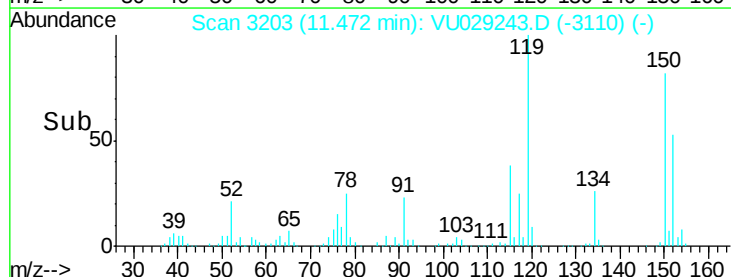
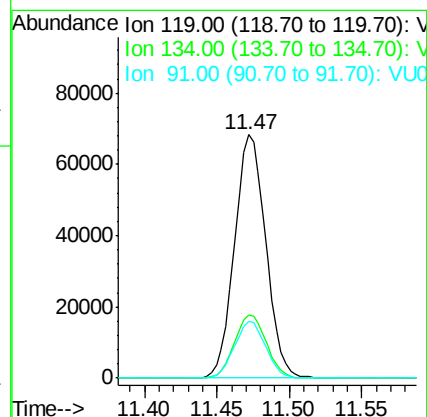
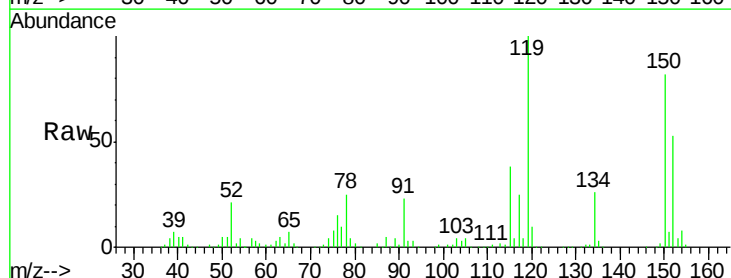
Tgt Ion:119 Resp: 102348

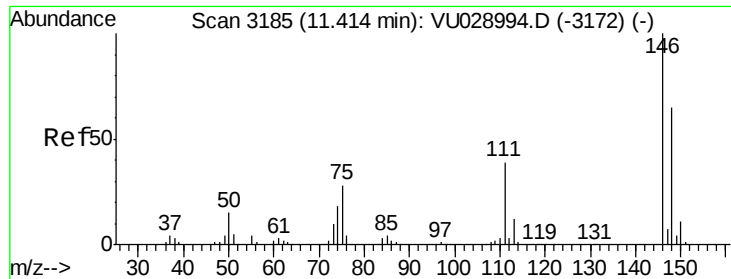
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 23.3 11.3 33.8





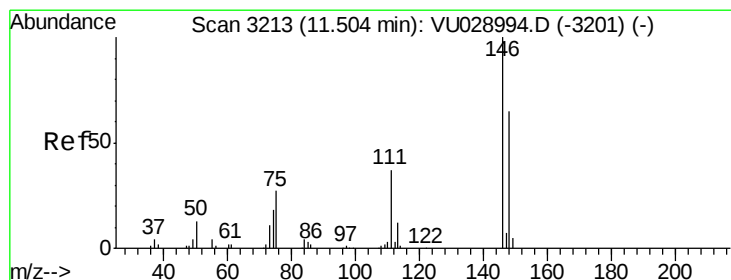
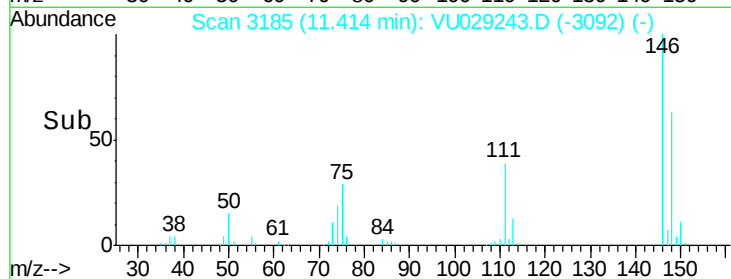
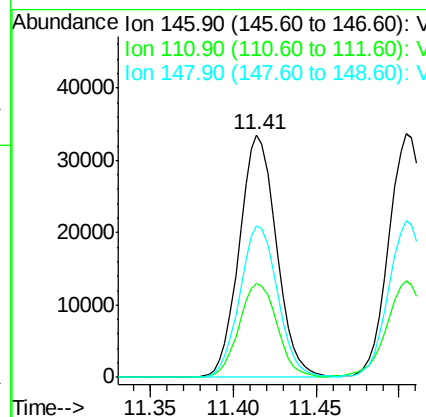
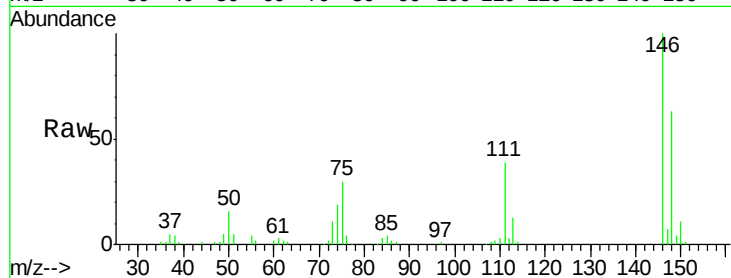
#87
 1,3-Dichlorobenzene
 Concen: 18.174 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	63.7	32.5	97.5

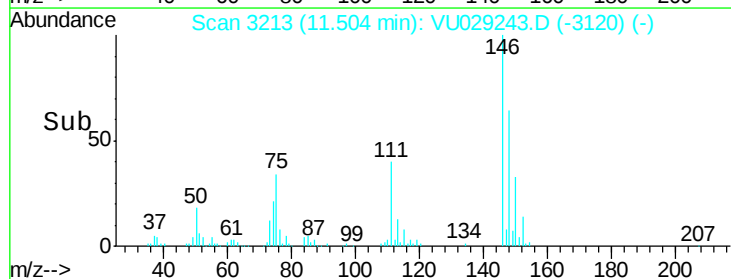
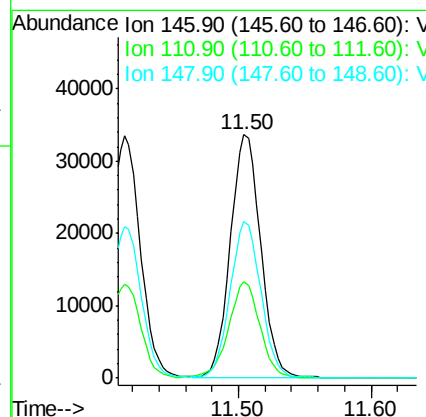
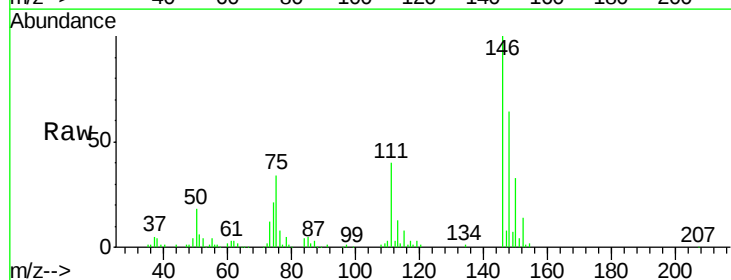
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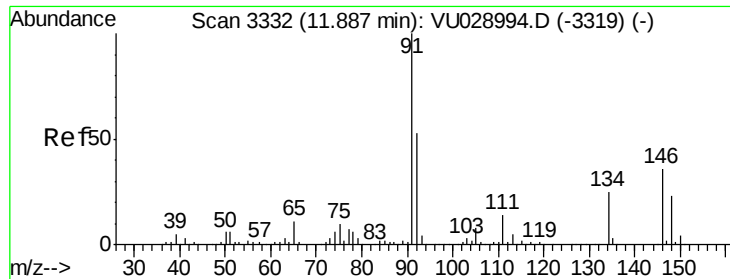
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#88
 1,4-Dichlorobenzene
 Concen: 18.132 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.1	57.3
148	65.1	32.6	98.0





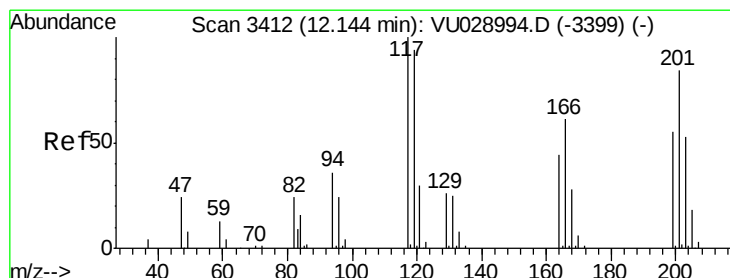
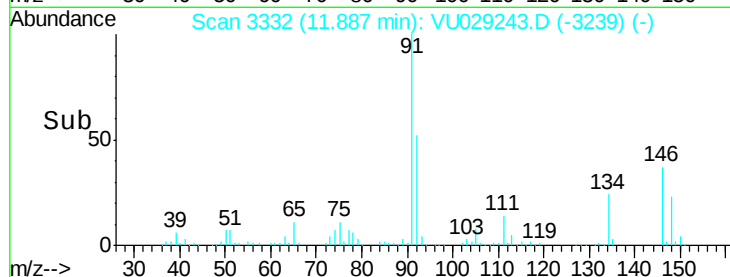
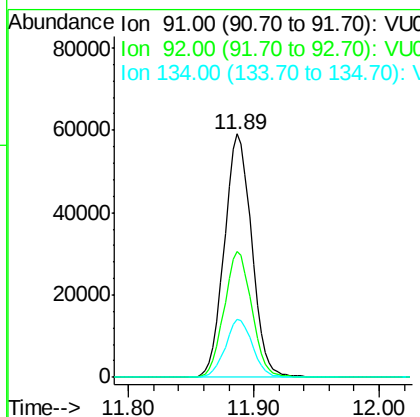
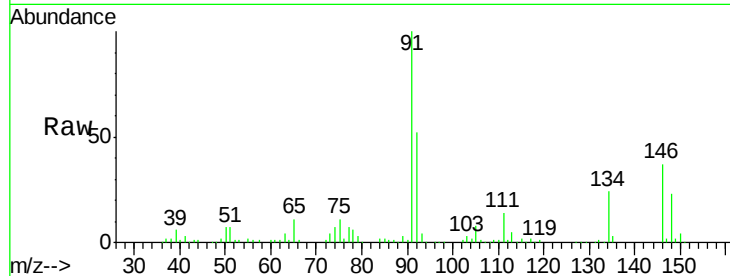
#89
n-Butylbenzene
Concen: 19.572 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	23.6	12.6	37.6

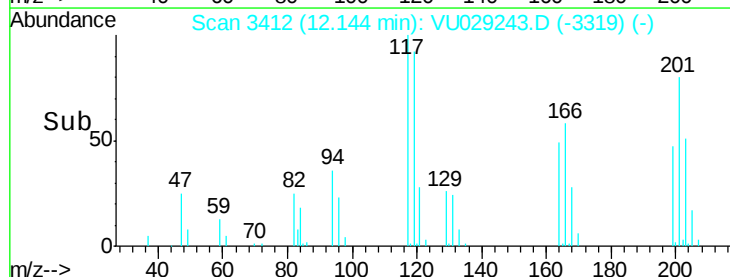
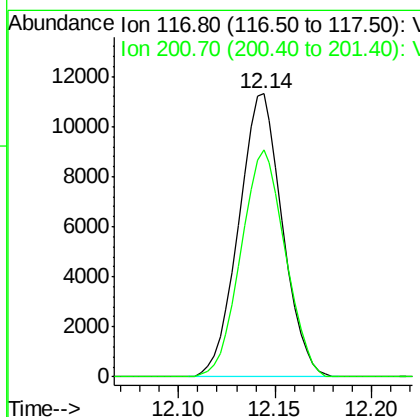
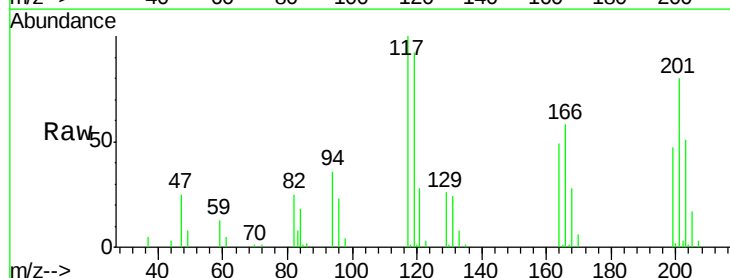
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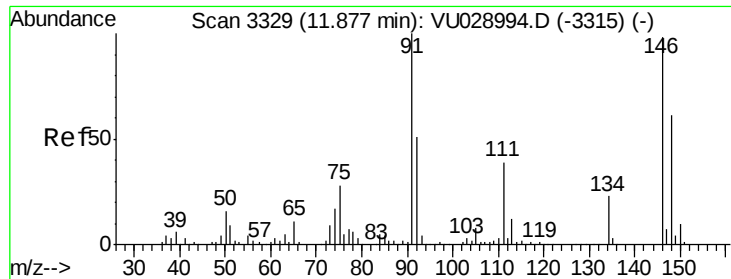
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#90
Hexachloroethane
Concen: 20.640 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	42.4	127.3





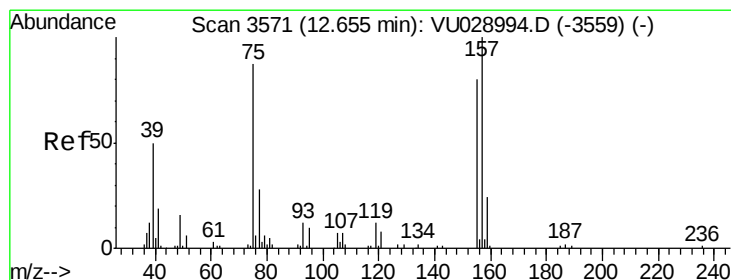
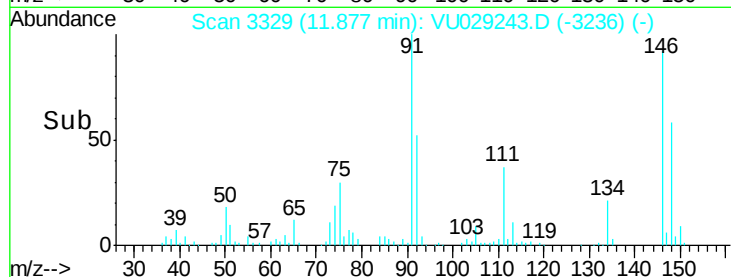
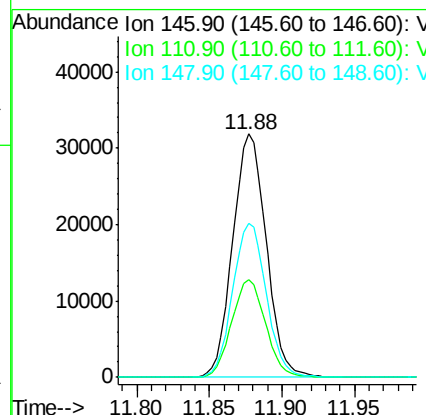
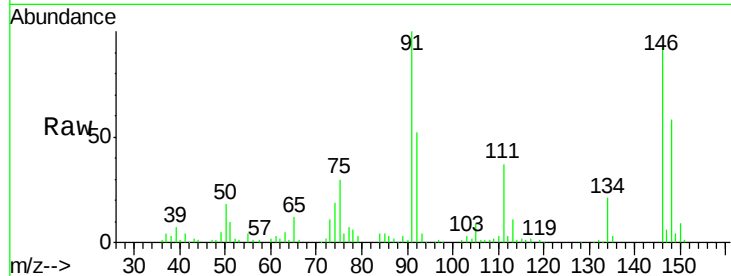
#91
 1,2-Dichlorobenzene
 Concen: 17.646 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.4	31.6	94.8

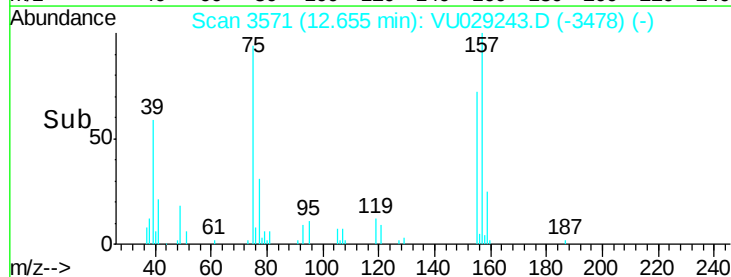
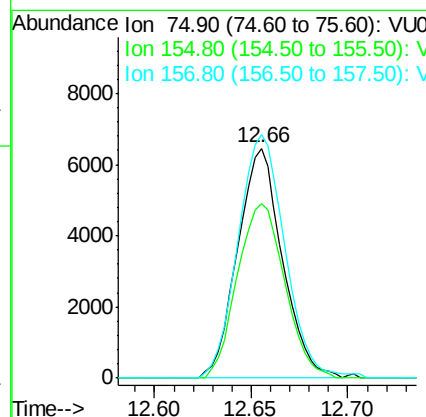
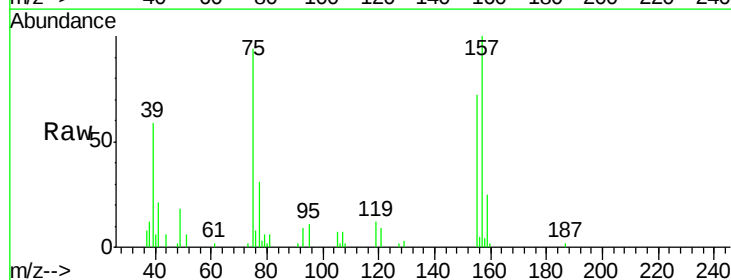
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.396 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	46.3	138.8
157	111.0	57.4	172.0





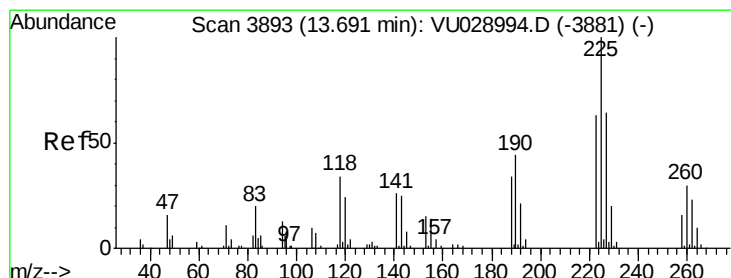
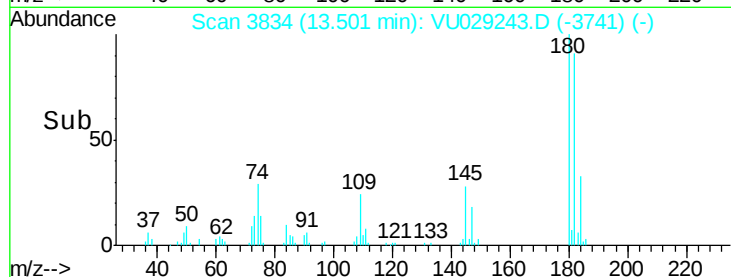
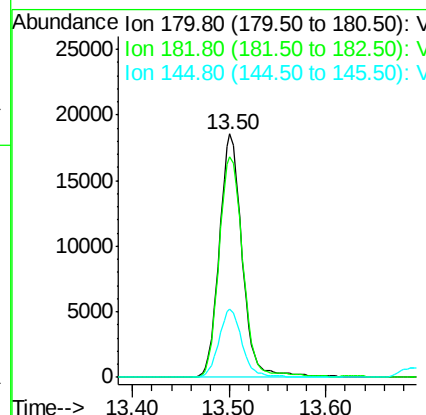
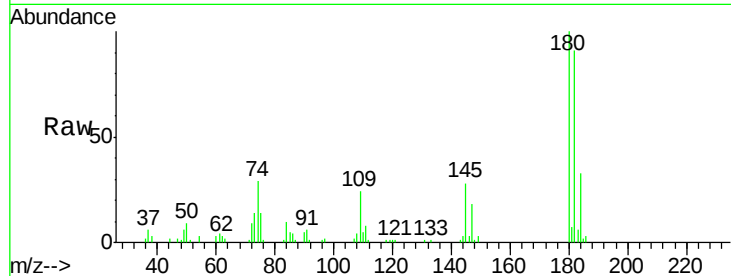
#93
 1,2,4-Trichlorobenzene
 Concen: 16.423 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	28.3	14.0	42.0

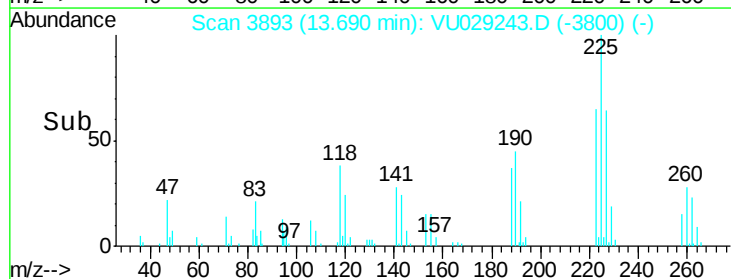
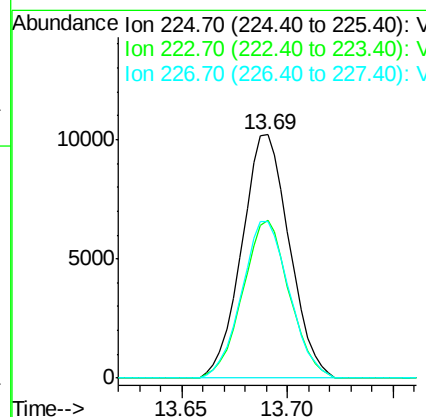
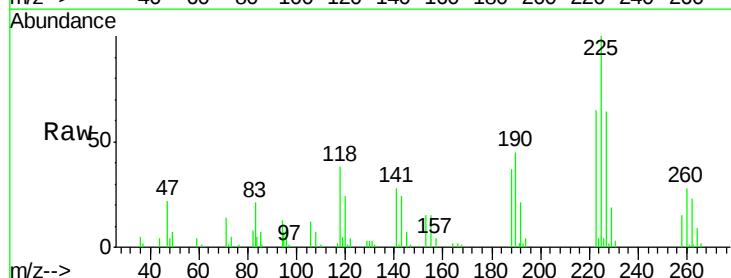
Manual Integrations
 APPROVED

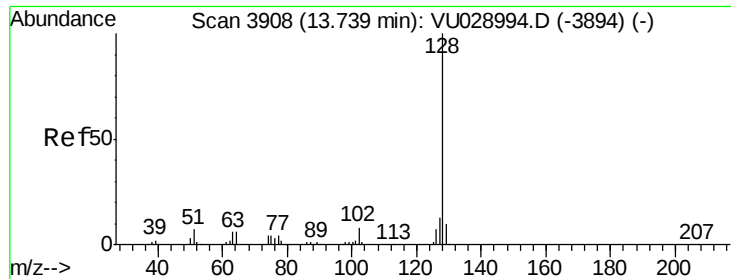
MMDadoda
 1/22/2019 10:40:22 AM



#94
 Hexachlorobutadiene
 Concen: 18.858 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU029243.D
 Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.0
227	64.7	31.9	95.5





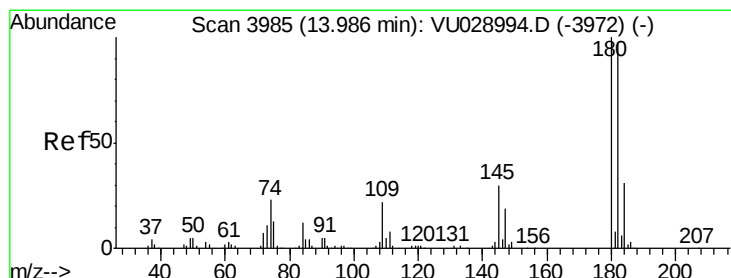
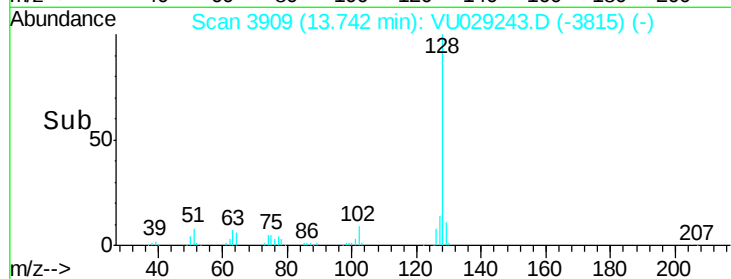
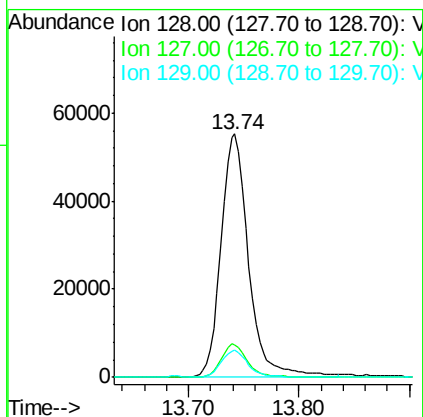
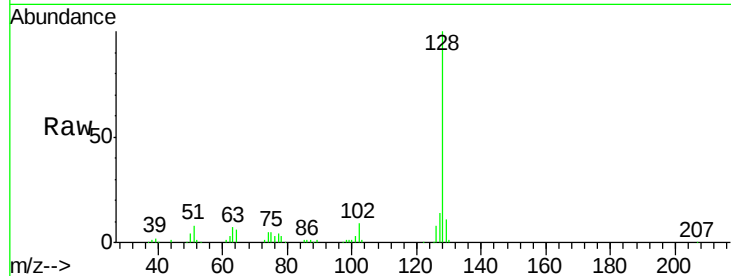
#95
Naphthalene
Concen: 15.206 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:40:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.963 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029243.D
Acq: 21 Jan 2019 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.3
145	28.3	14.8	44.4

