

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029174.D
 Acq On : 15 Jan 2019 10:41
 Operator : JC/SP
 Sample : VU0115WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:41:54 AM

Quant Time: Jan 16 05:05:00 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	115056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187814	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75316	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	4.88	113	64869	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	7.56	98	244953	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	10.30	95	85113	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	21475	18.821	ug/l	97
3) Chloromethane	1.33	50	33202	17.781	ug/l	98
4) Vinyl Chloride	1.40	62	33896	20.158	ug/l	99
5) Bromomethane	1.62	94	18292	19.294	ug/l	97
6) Chloroethane	1.69	64	19753	19.722	ug/l	96
7) Trichlorofluoromethane	1.88	101	36559	19.953	ug/l	100
8) Diethyl Ether	2.10	74	17562	19.951	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	23679	19.315	ug/l	98
10) Methyl Iodide	2.41	142	23804	20.650	ug/l	99
11) Tert butyl alcohol	2.83	59	39109	108.176	ug/l	100
12) 1,1-Dichloroethene	2.28	96	23003	19.277	ug/l	98
13) Acrolein	2.19	56	23435	86.326	ug/l	97
14) Allyl chloride	2.59	41	39892	18.220	ug/l	88
15) Acrylonitrile	2.93	53	97468	109.890	ug/l	100
16) Acetone	2.32	43	96068	107.218	ug/l	100
17) Carbon Disulfide	2.48	76	74444	18.488	ug/l	99
18) Methyl Acetate	2.61	43	49001	23.520	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	86235	20.555	ug/l	99
20) Methylene Chloride	2.70	84	29455	19.362	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	26873	19.383	ug/l	98
22) Diisopropyl ether	3.57	45	91061	21.044	ug/l	97
23) Vinyl Acetate	3.52	43	366872	103.708	ug/l	100
24) 1,1-Dichloroethane	3.44	63	52538	21.032	ug/l	99
25) 2-Butanone	4.26	43	134739	111.338	ug/l	99
26) 2,2-Dichloropropane	4.22	77	43079	21.343	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	31451	20.742	ug/l	99
28) Bromochloromethane	4.55	49	22576	21.106	ug/l	99
29) Tetrahydrofuran	4.64	42	82726	112.706	ug/l	97
30) Chloroform	4.67	83	50239	21.115	ug/l	98
31) Cyclohexane	4.99	56	47410	19.419	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	41926	21.326	ug/l	99
36) 1,1-Dichloropropene	5.13	75	37646	20.053	ug/l	99
37) Ethyl Acetate	4.38	43	44414	21.554	ug/l	98
38) Carbon Tetrachloride	5.13	117	33809	21.593	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	43923	19.032	ug/l	98
40) Benzene	5.39	78	122731	20.959	ug/l	97
41) Methacrylonitrile	4.54	41	24949	22.619	ug/l	98
42) 1,2-Dichloroethane	5.40	62	38329	21.783	ug/l	98
43) Isopropyl Acetate	5.55	43	69066	21.850	ug/l	99
44) Trichloroethene	6.18	130	29572	20.382	ug/l	98
45) 1,2-Dichloropropane	6.43	63	33139	21.430	ug/l	99
46) Dibromomethane	6.56	93	20644	20.883	ug/l	99
47) Bromodichloromethane	6.76	83	38425	21.112	ug/l	99
48) Methyl methacrylate	6.62	41	33619	21.842	ug/l	99
49) 1,4-Dioxane	6.61	88	16799	460.551	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	234727	109.113	ug/l	99
52) Toluene	7.64	92	73296	20.561	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	43998	20.123	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	49379	20.901	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	31062	21.750	ug/l	99
56) Ethyl methacrylate	8.02	69	44253	20.113	ug/l	97
57) 1,3-Dichloropropane	8.24	76	52417	21.450	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	89612	92.613	ug/l	100
59) 2-Hexanone	8.36	43	184472	109.243	ug/l	99
60) Dibromochloromethane	8.47	129	30136	21.300	ug/l	100
61) 1,2-Dibromoethane	8.58	107	32897	21.239	ug/l	98
64) Tetrachloroethene	8.22	164	25747	20.477	ug/l	96
65) Chlorobenzene	9.12	112	79144	20.228	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26774	21.086	ug/l	98
67) Ethyl Benzene	9.25	91	132742	20.321	ug/l	99
68) m/p-Xylenes	9.37	106	102855	40.524	ug/l	100
69) o-Xylene	9.78	106	49673	20.311	ug/l	98
70) Styrene	9.79	104	80922	20.184	ug/l	99
71) Bromoform	9.95	173	23346	20.649	ug/l #	100
73) Isopropylbenzene	10.16	105	132079	21.040	ug/l	100
74) N-amyl acetate	10.01	43	55871	20.654	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.45	83	52948	21.045	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	46208m	22.237	ug/l	
77) Bromobenzene	10.45	156	33309	20.361	ug/l	99
78) n-propylbenzene	10.58	91	154886	20.936	ug/l	100
79) 2-Chlorotoluene	10.66	91	94178	20.986	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	110732	21.123	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	14422m	17.899	ug/l	
82) 4-Chlorotoluene	10.77	91	104596	20.326	ug/l	99
83) tert-Butylbenzene	11.10	119	105853	20.487	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	111637	21.330	ug/l	98
85) sec-Butylbenzene	11.32	105	132659	21.230	ug/l	100
86) p-Isopropyltoluene	11.47	119	112185	21.069	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	60600	20.196	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	59740	19.288	ug/l	98
89) n-Butylbenzene	11.89	91	100341	21.113	ug/l	99
90) Hexachloroethane	12.14	117	17982	20.074	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	60053	19.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10277	21.238	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	36754	19.050	ug/l	99
94) Hexachlorobutadiene	13.69	225	18746	21.243	ug/l	99
95) Naphthalene	13.74	128	117337	17.878	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	37781	19.503	ug/l	98

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

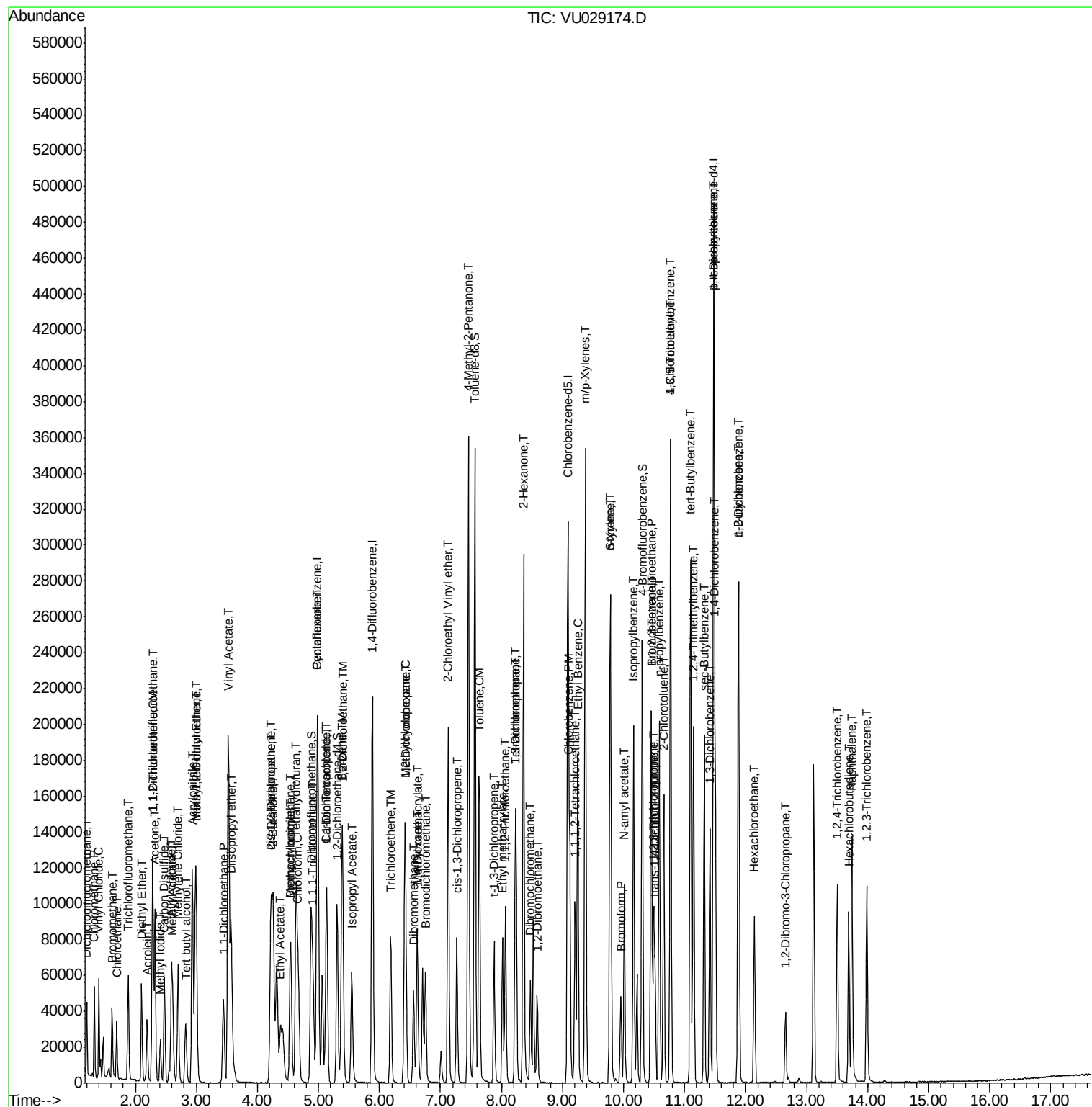
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011519\
Data File : VU029174.D
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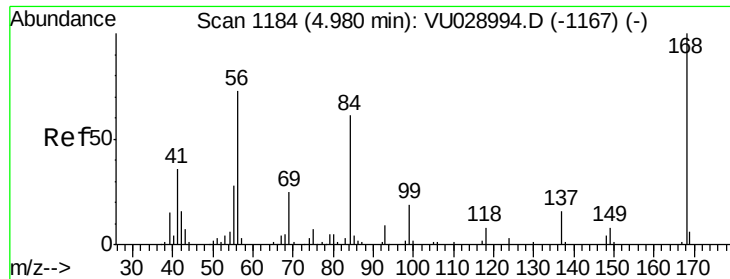
Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion:168 Resp: 115056

Ion Ratio Lower Upper

168 100

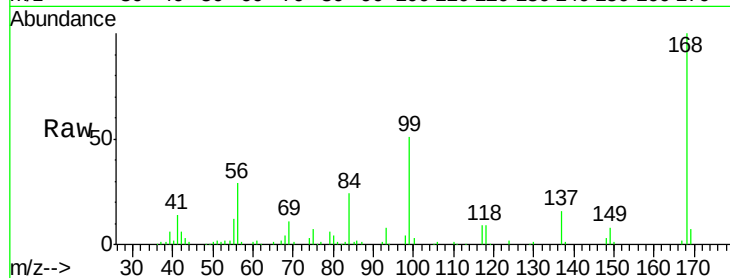
99 51.2 42.0 63.0

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

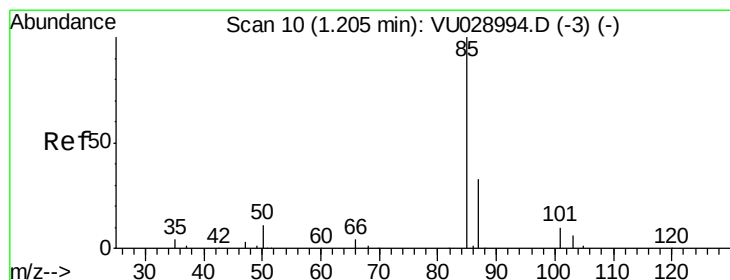
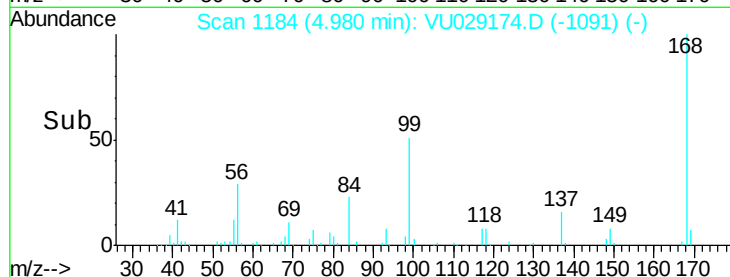
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.821 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029174.D

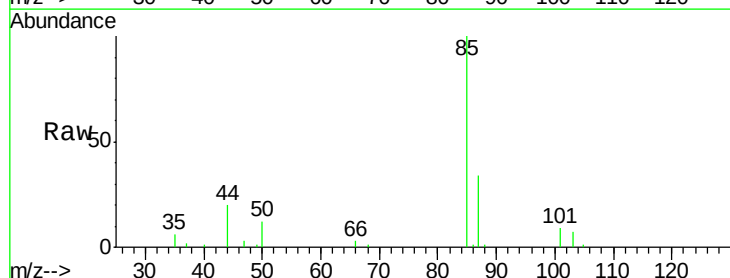
Acq: 15 Jan 2019 10:41

Tgt Ion: 85 Resp: 21475

Ion Ratio Lower Upper

85 100

87 34.4 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

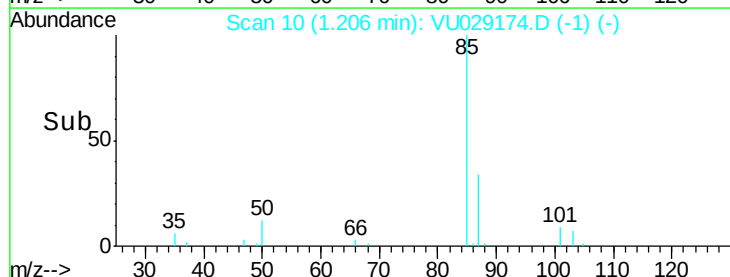
10000

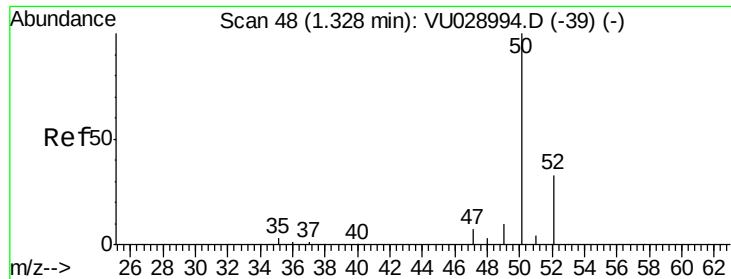
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.781 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 50 Resp: 33202

Ion Ratio Lower Upper

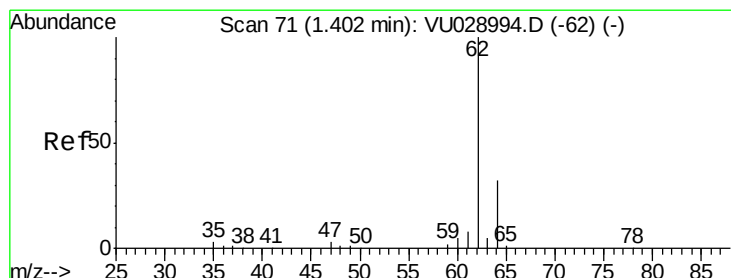
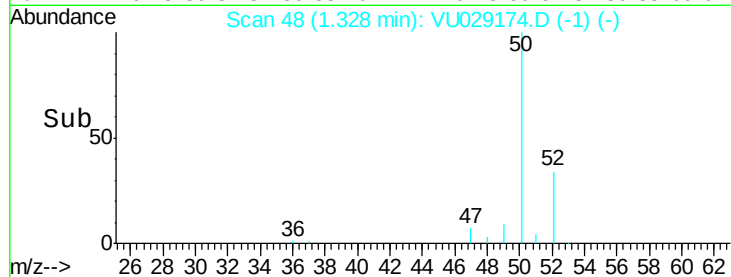
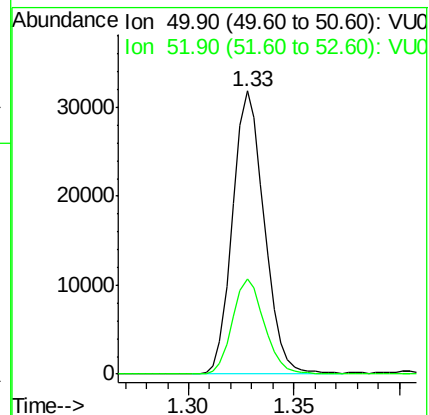
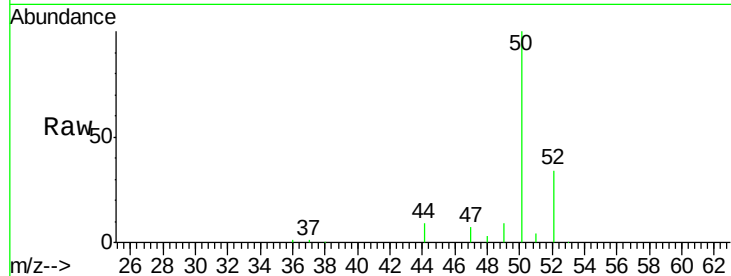
50 100

52 33.6 26.1 39.1

Manual Integrations
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1/16/2019 9:41:54 AM



#4

Vinyl Chloride

Concen: 20.158 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029174.D

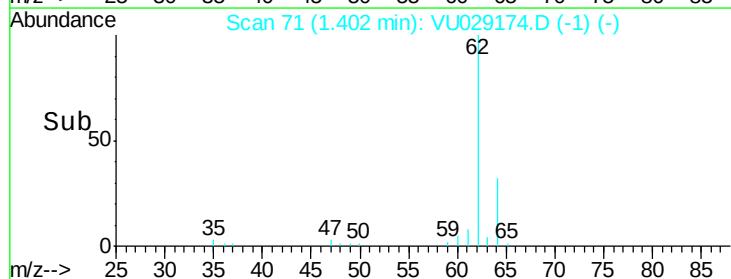
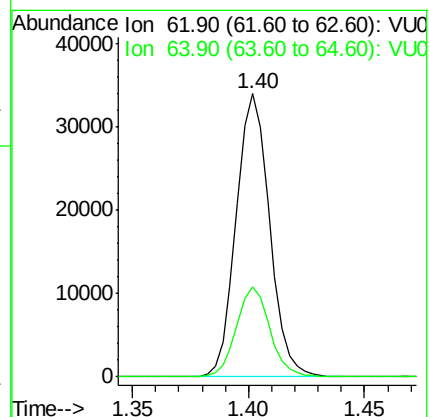
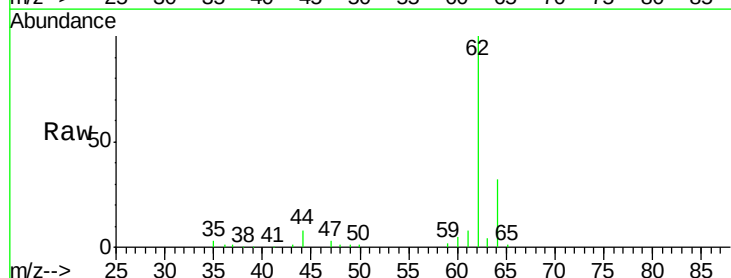
Acq: 15 Jan 2019 10:41

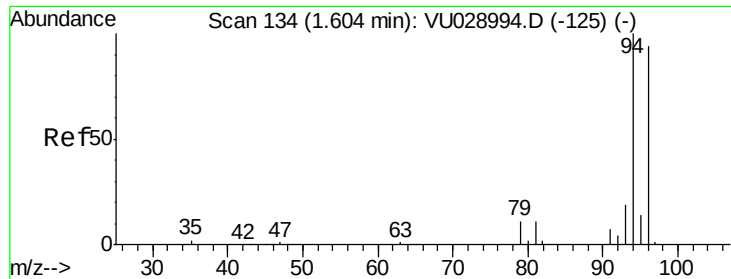
Tgt Ion: 62 Resp: 33896

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 19.294 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 94 Resp: 18292

Ion Ratio Lower Upper

94 100

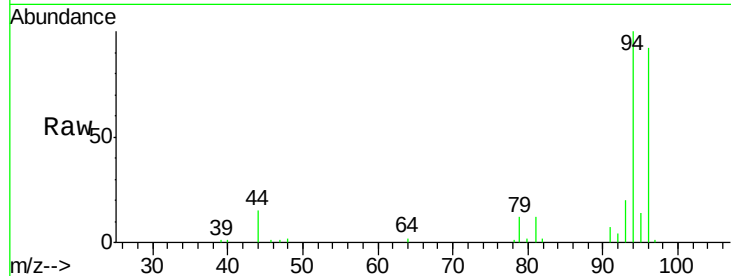
96 91.6 75.5 113.3

Manual Integrations

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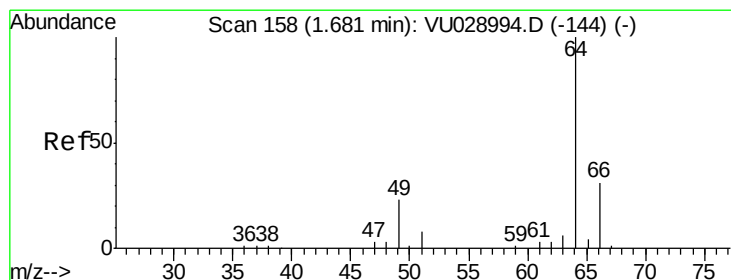
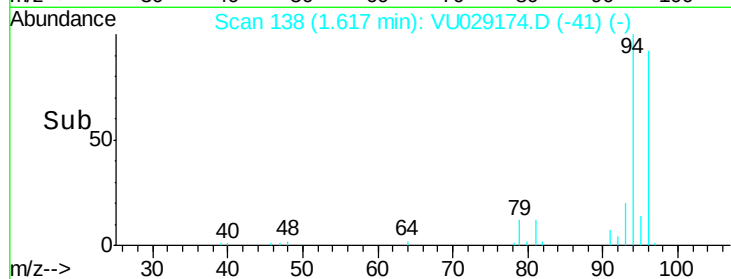
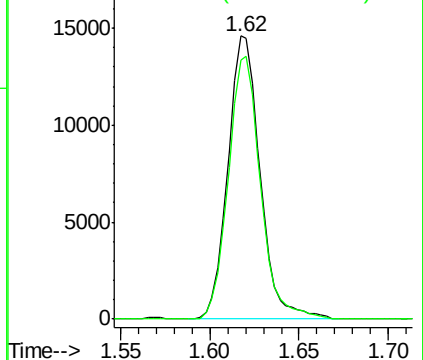
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.722 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029174.D

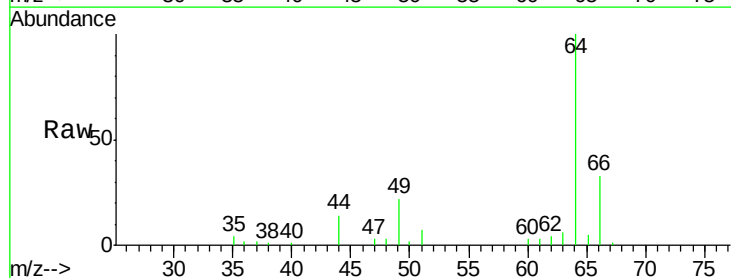
Acq: 15 Jan 2019 10:41

Tgt Ion: 64 Resp: 19753

Ion Ratio Lower Upper

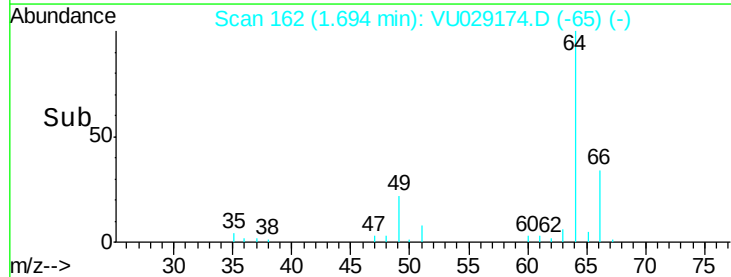
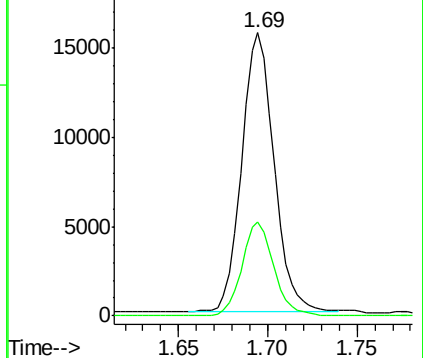
64 100

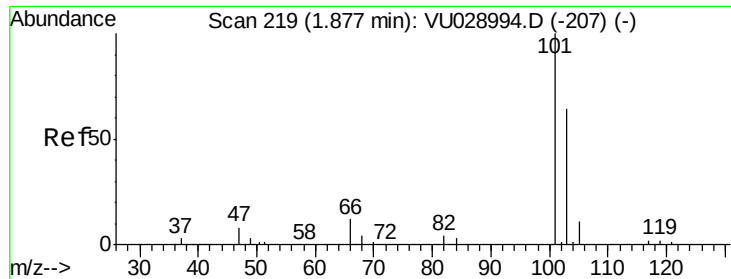
66 33.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

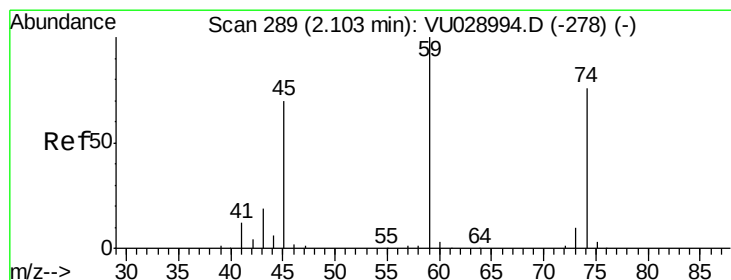
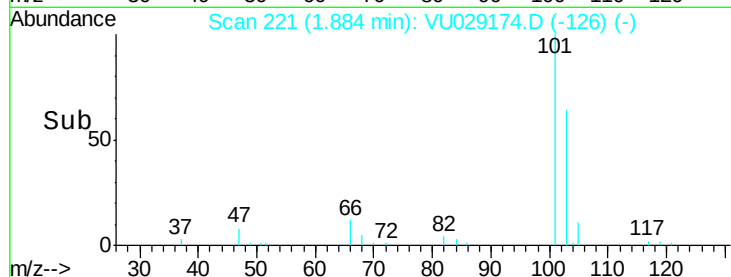
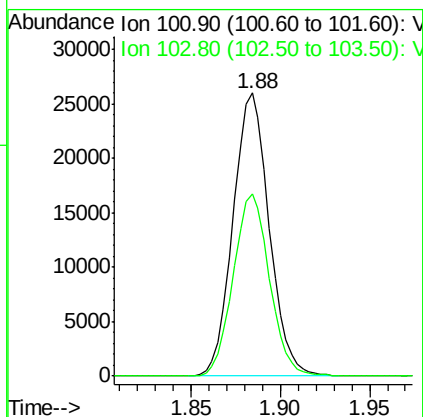
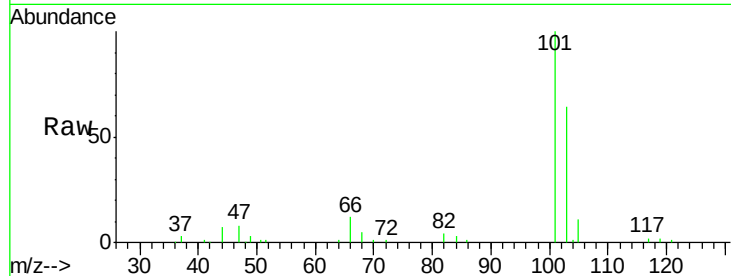
Trichlorofluoromethane
Concen: 19.953 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

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ClientSampleId :
VU0115WBS01

Tot Ion:101 Resp: 36559
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

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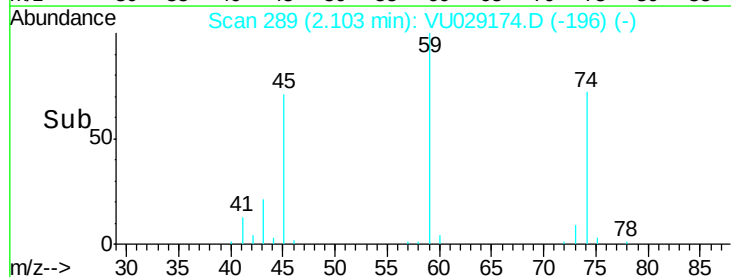
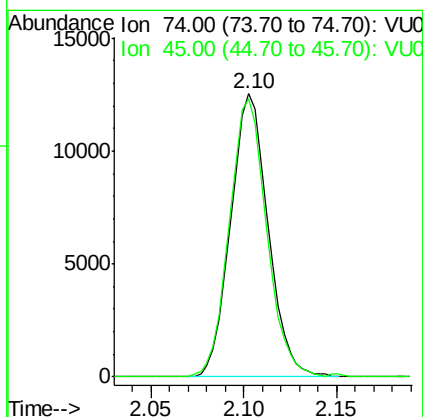
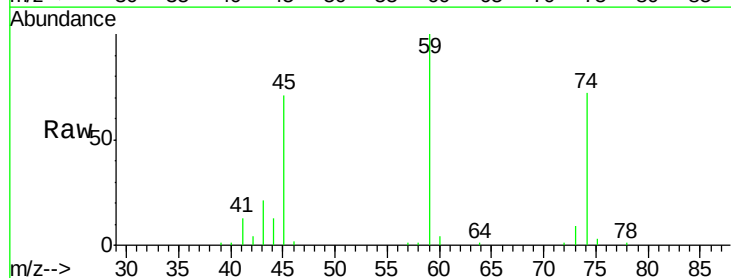
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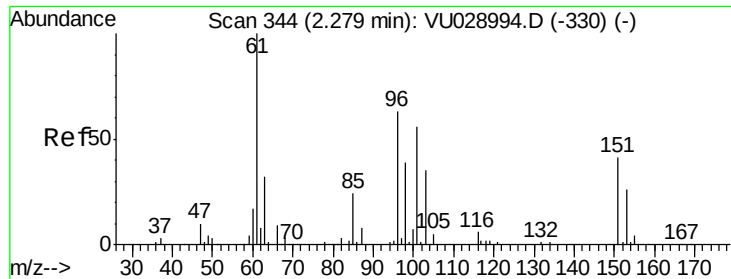


#8

Diethyl Ether
Concen: 19.951 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion: 74 Resp: 17562
Ion Ratio Lower Upper
74 100
45 98.1 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.315 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

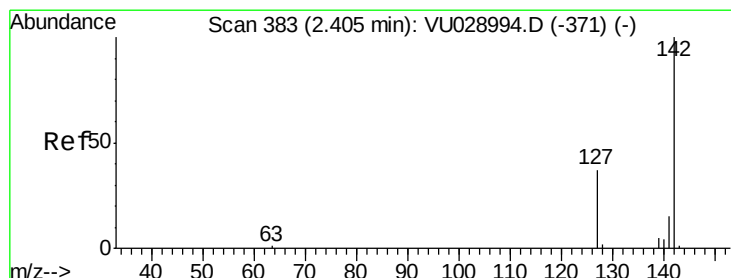
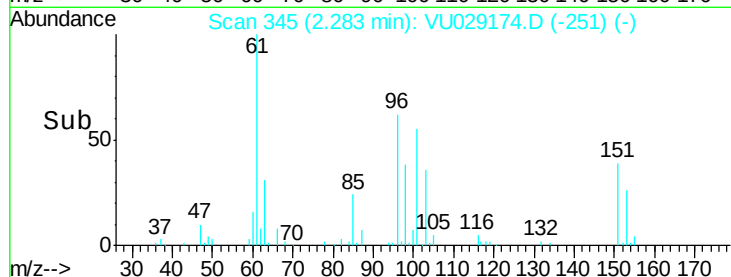
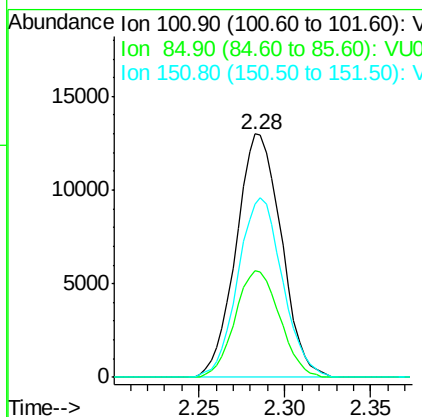
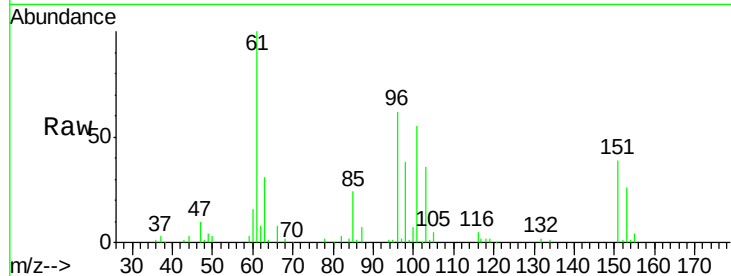
ClientSampleId :

VU0115WBS01

Tot Ion:	101	Resp:	23679
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.1	52.7
151	72.9	60.2	90.2

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#10

Methyl Iodide

Concen: 20.650 ug/l

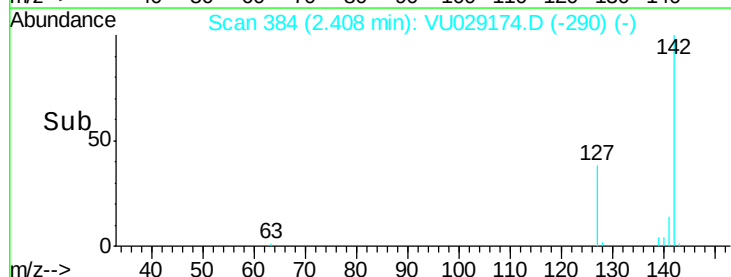
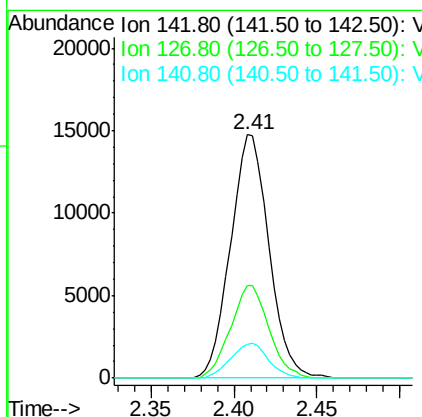
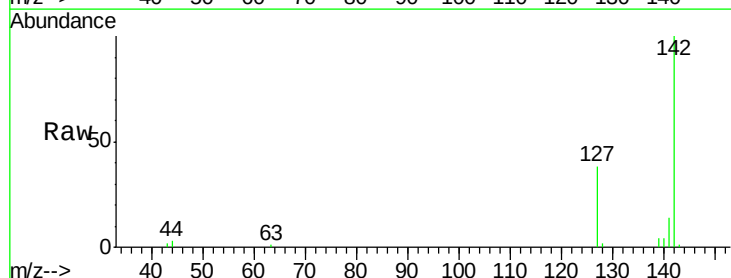
RT: 2.41 min Scan# 384

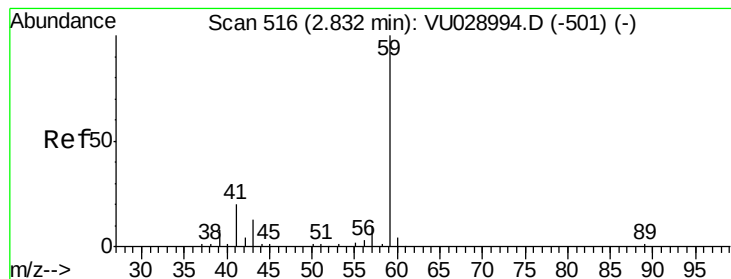
Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Tgt Ion:	142	Resp:	23804
Ion Ratio	Lower	Upper	
142	100		
127	37.8	29.8	44.6
141	13.8	11.5	17.3





#11

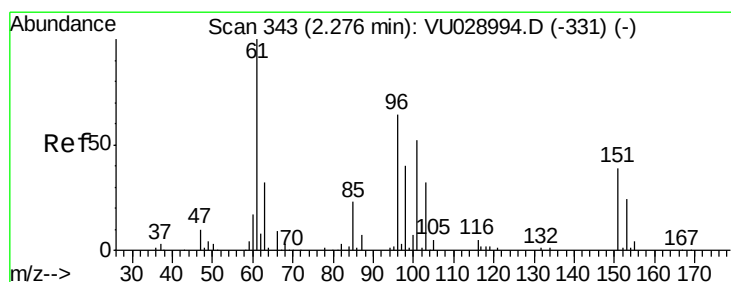
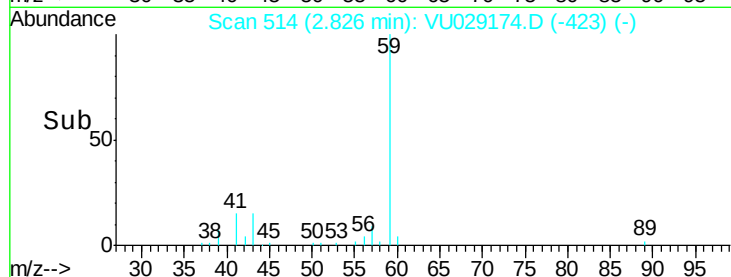
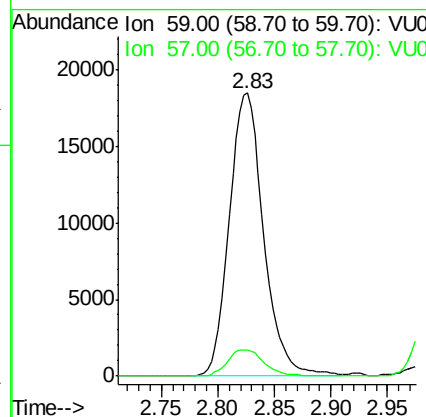
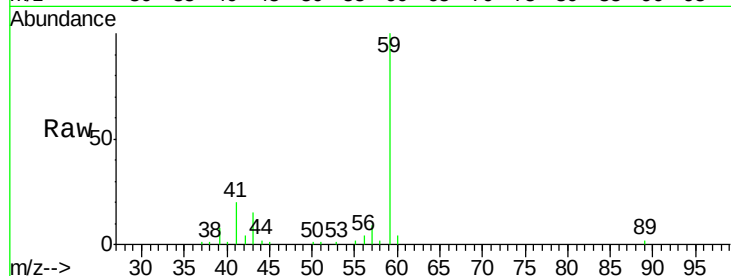
Tert butyl alcohol
 Concen: 108.176 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	9.9		7.9	11.9

Manual Integrations
 APPROVED

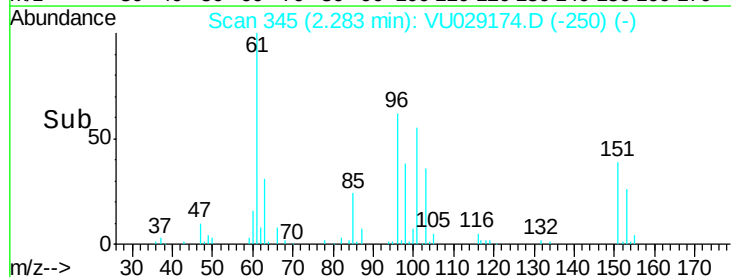
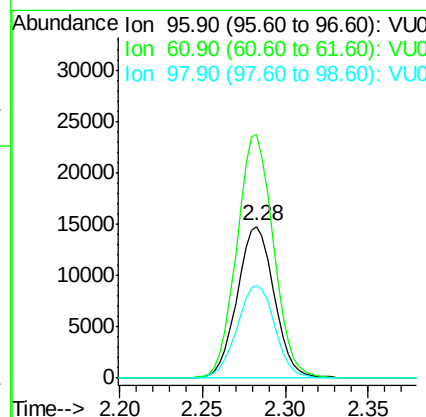
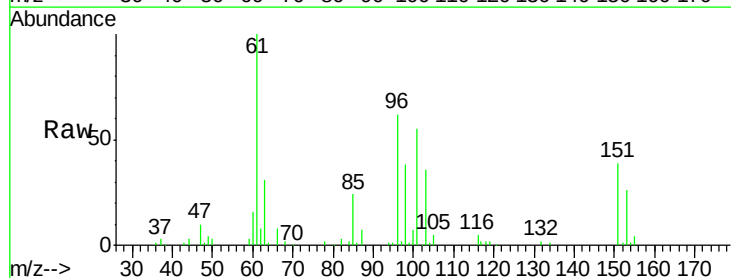
MMDadoda
 1/16/2019 9:41:54 AM

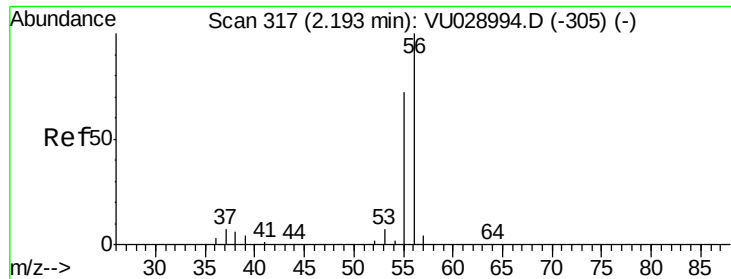


#12

1,1-Dichloroethene
 Concen: 19.277 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	160.2		125.4	188.0
98	98	61.3		49.7	74.5





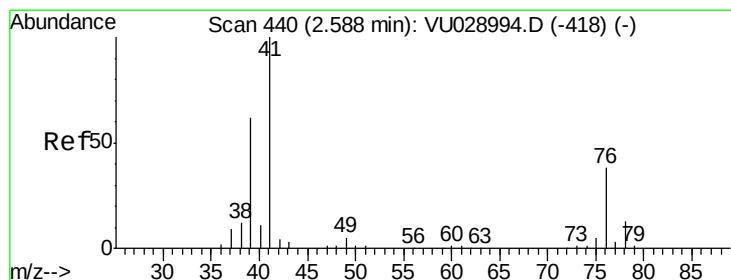
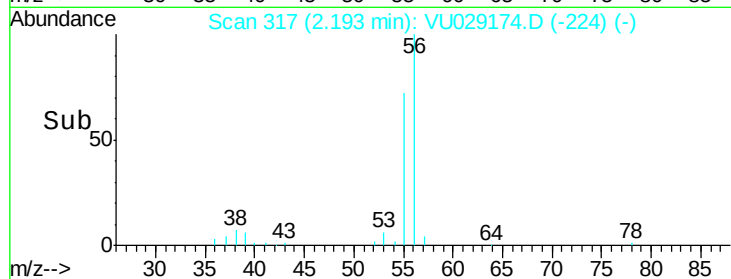
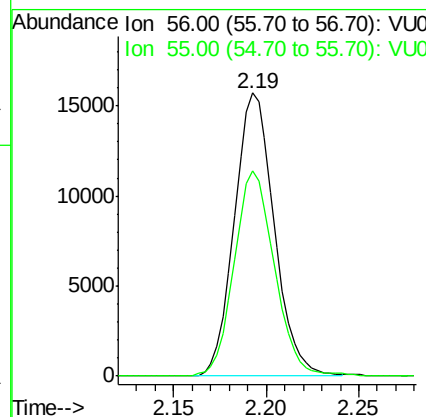
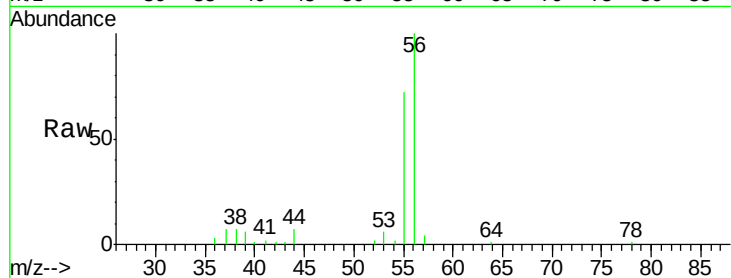
#13
 Acrolein
 Concen: 86.326 ug/l
 RT: 2.19 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	56	Resp	23435
Ion Ratio	100	Lower	Upper
55	73.3	56.5	84.7

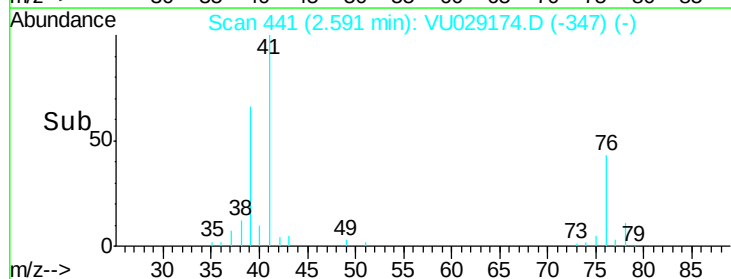
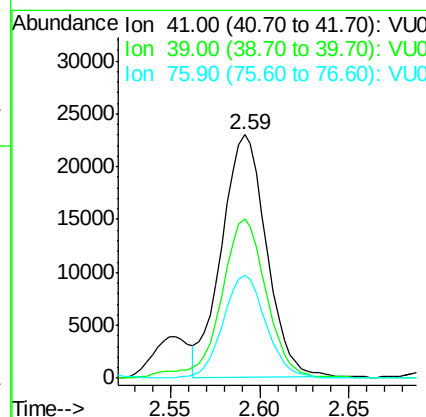
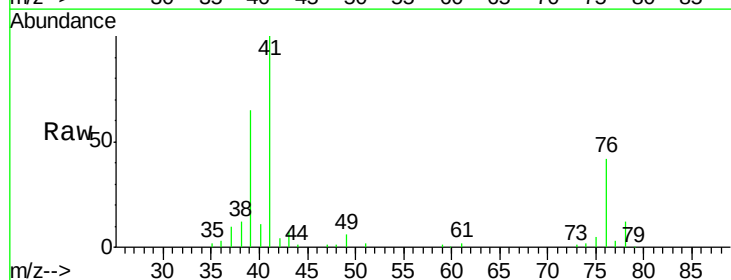
Manual Integrations
 APPROVED

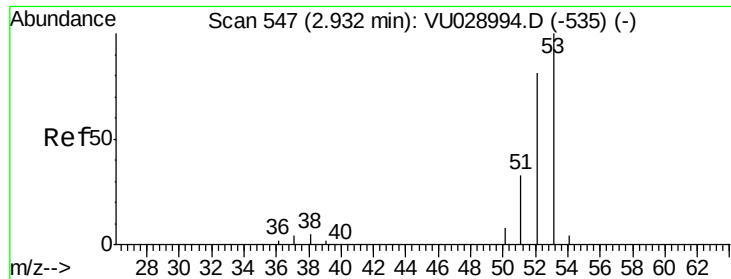
MMDadoda
 1/16/2019 9:41:54 AM



#14
 Allyl chloride
 Concen: 18.220 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	41	Resp	39892
Ion Ratio	100	Lower	Upper
39	66.4	45.0	67.6
76	40.6	28.1	42.1





#15

Acrylonitrile

Concen: 109.890 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

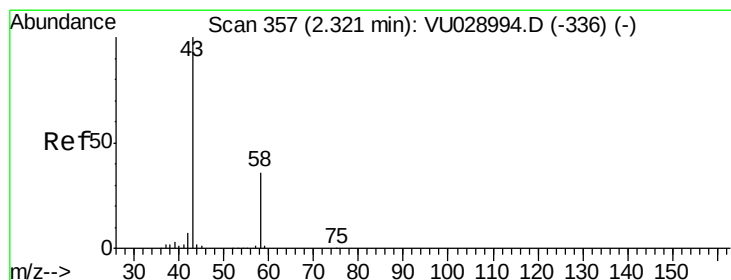
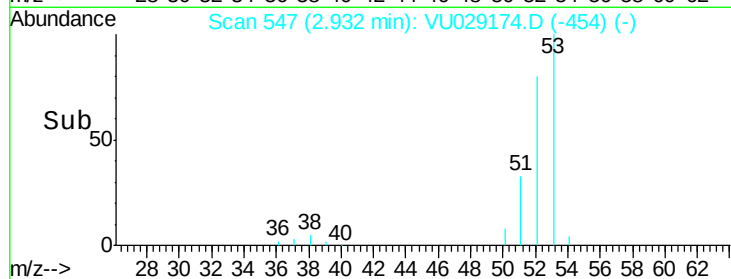
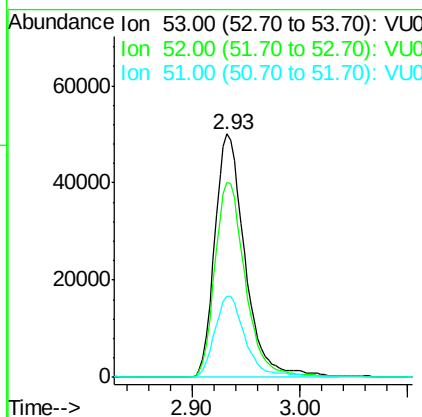
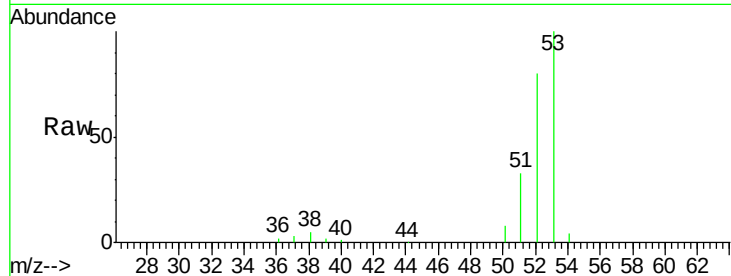
ClientSampleId :

VU0115WBS01

Tot Ion:	53	Resp:	97468
Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.8	97.2
51	34.3	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 107.218 ug/l

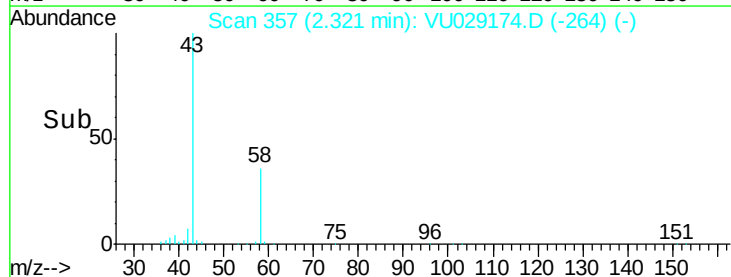
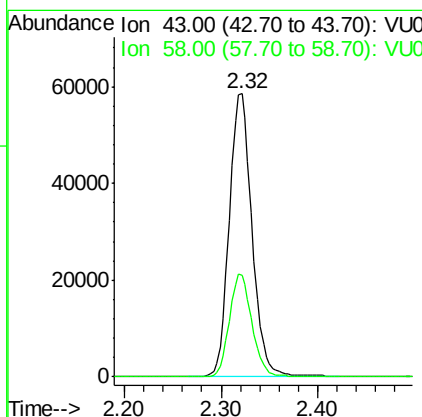
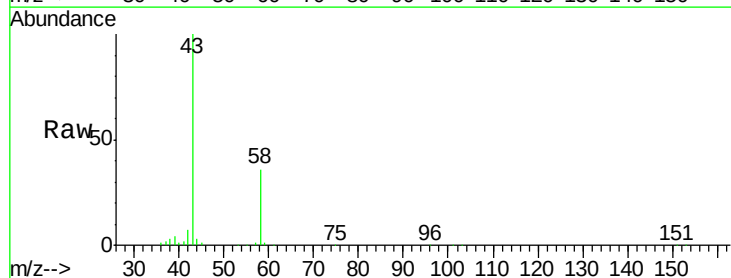
RT: 2.32 min Scan# 357

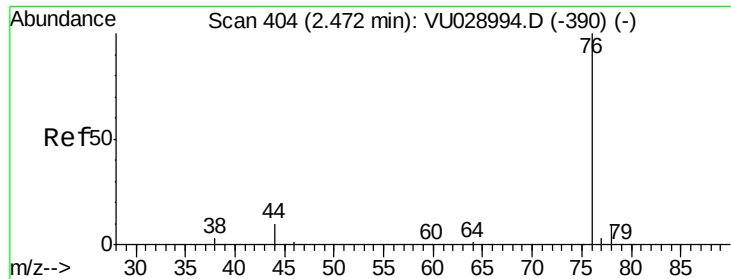
Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Tgt Ion:	43	Resp:	96068
Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8





#17

Carbon Disulfide

Concen: 18.488 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

VU0115WBS01

Tot Ion: 76 Resp: 74444

Ion Ratio Lower Upper

76 100

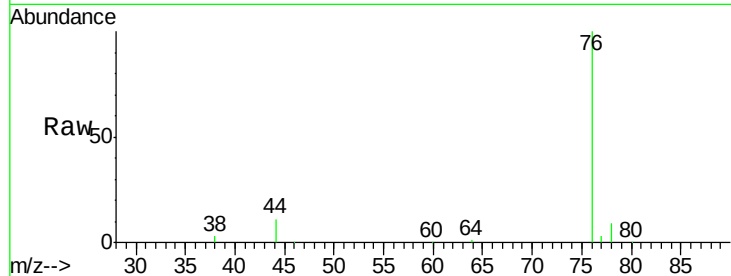
78 9.5 7.2 10.8

Manual Integrations

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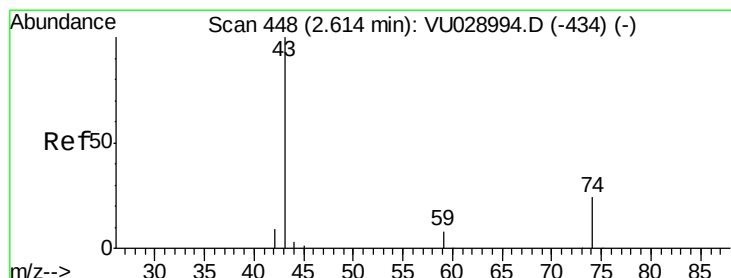
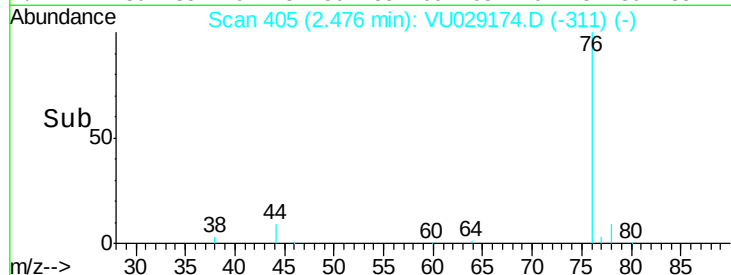
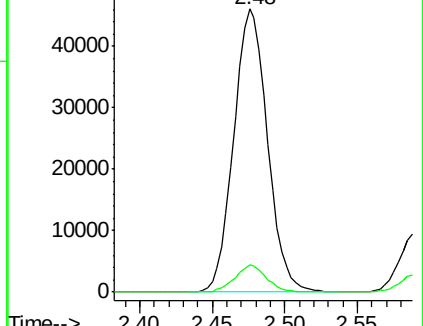
MMDadoda

1/16/2019 9:41:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.520 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029174.D

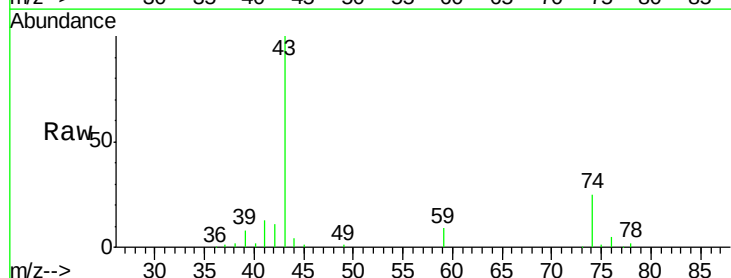
Acq: 15 Jan 2019 10:41

Tgt Ion: 43 Resp: 49001

Ion Ratio Lower Upper

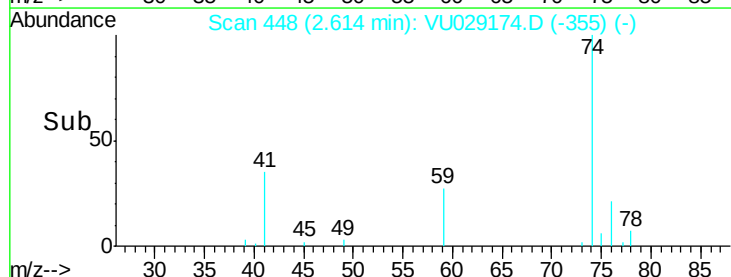
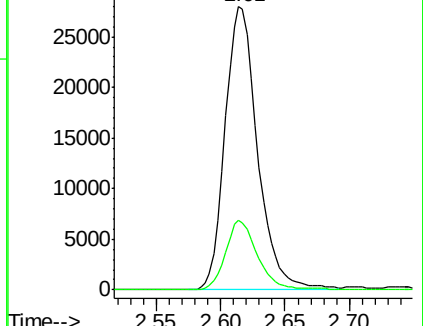
43 100

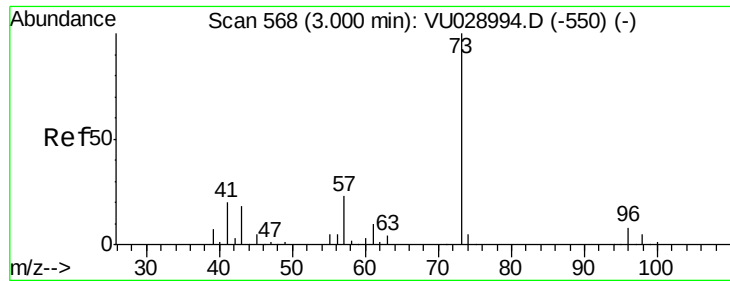
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





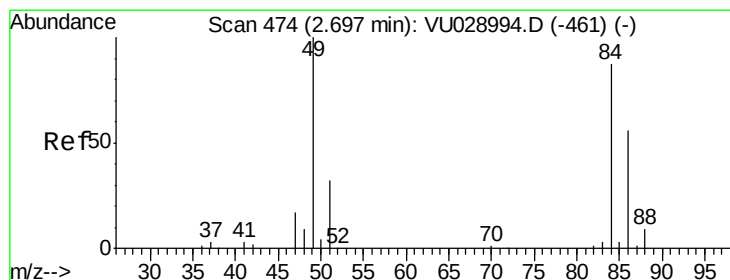
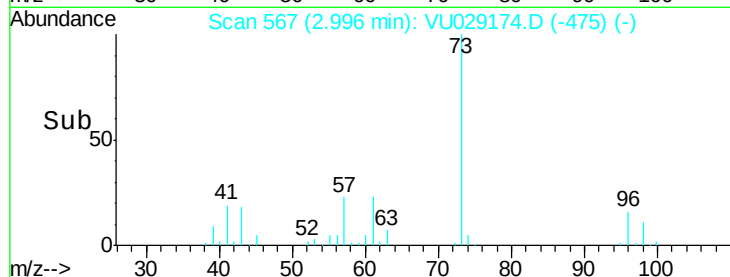
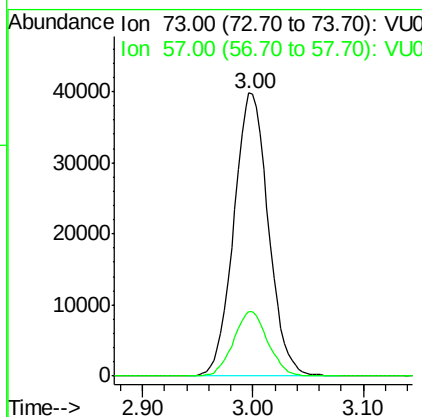
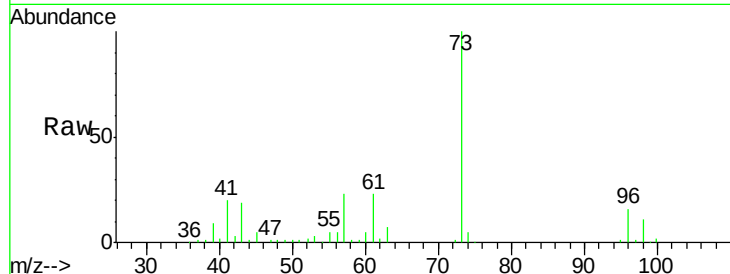
#19
Methyl tert-butyl Ether
Concen: 20.555 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion: 73 Resp: 86235
Ion Ratio Lower Upper
73 100
57 22.9 18.6 28.0

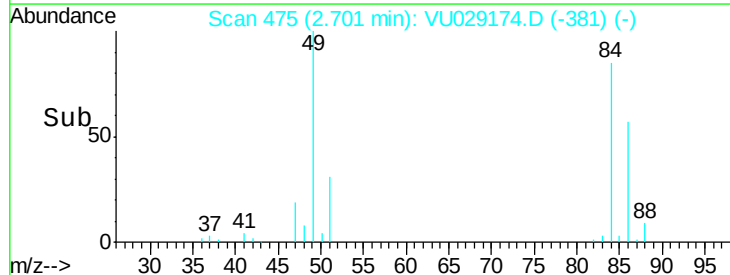
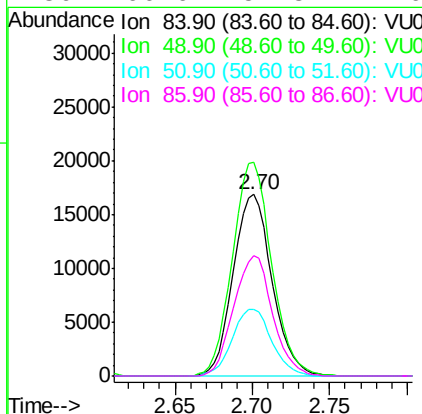
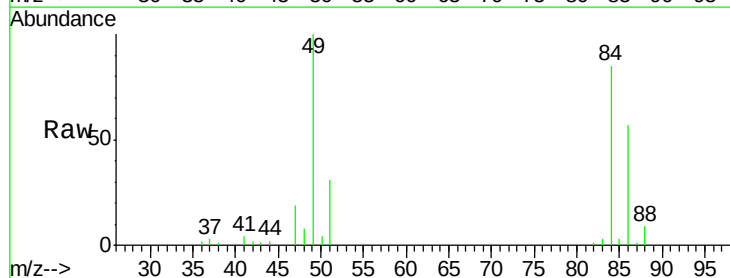
Manual Integrations
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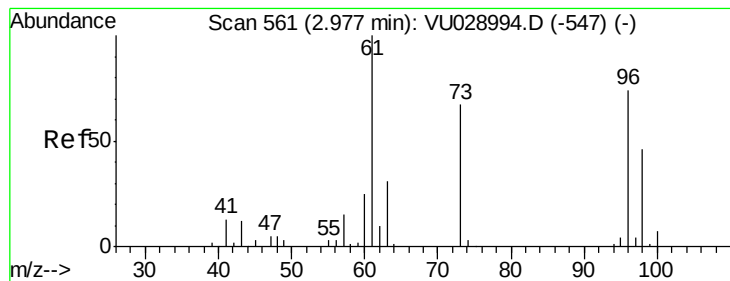
MMDadoda
1/16/2019 9:41:54 AM



#20
Methylene Chloride
Concen: 19.362 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion: 84 Resp: 29455
Ion Ratio Lower Upper
84 100
49 117.8 91.9 137.9
51 37.0 29.2 43.8
86 66.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.383 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 96 Resp: 26873

Ion Ratio Lower Upper

96 100

61 136.6 107.7 161.5

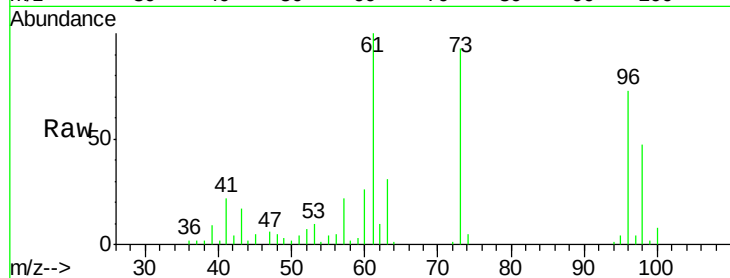
98 64.3 49.2 73.8

Manual Integrations

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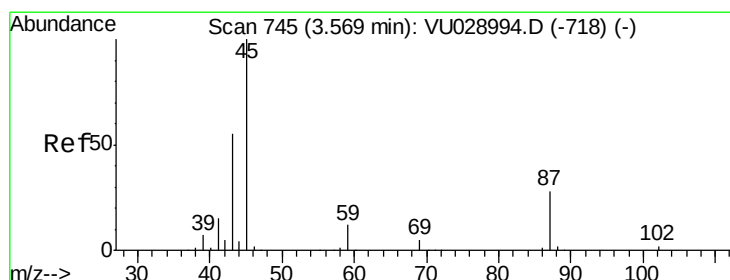
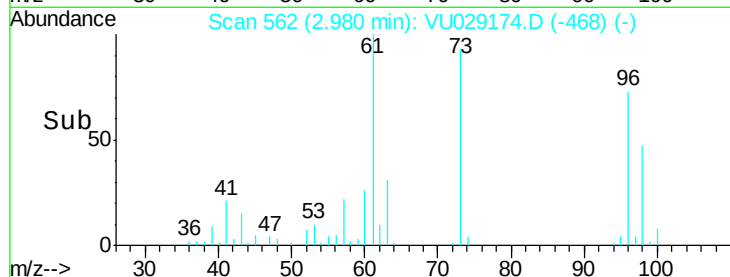
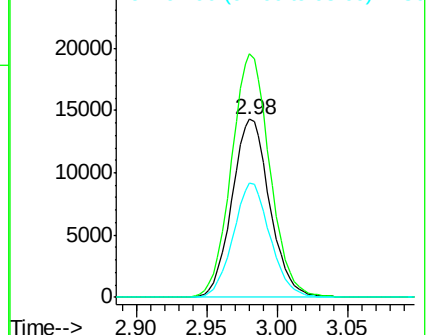


Abundance

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: 21.044 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Tgt Ion: 45 Resp: 91061

Ion Ratio Lower Upper

45 100

43 59.1 44.7 67.1

87 28.2 22.2 33.2

59 11.8 9.8 14.8

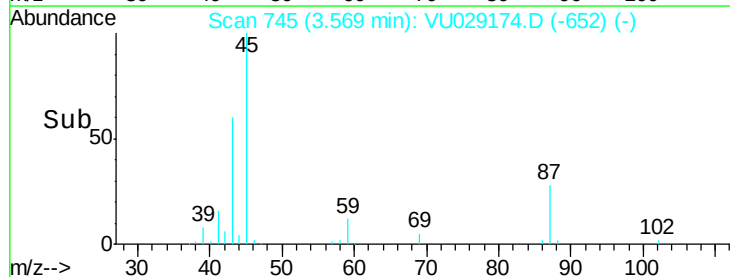
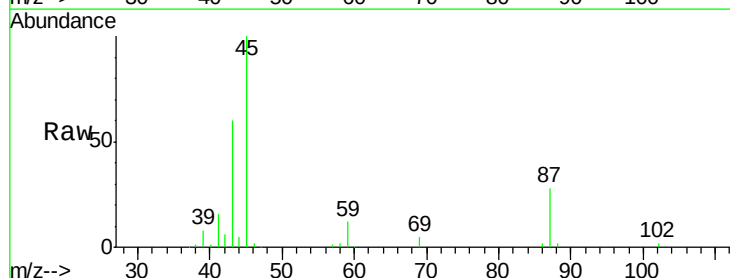
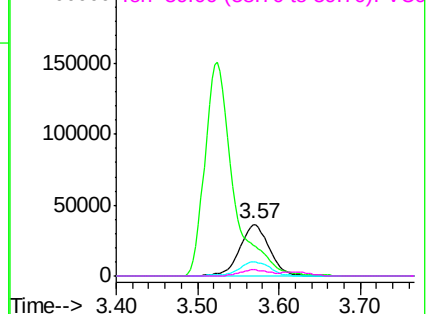
Abundance

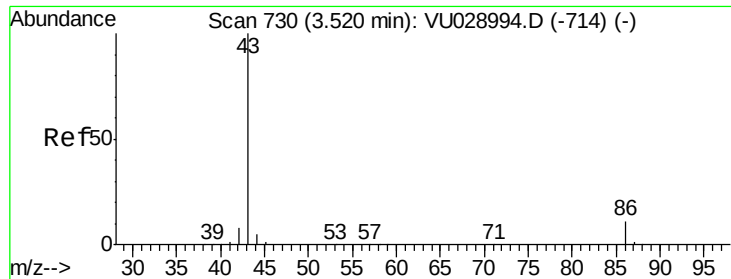
Ion 45.00 (44.70 to 45.70): VU0

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: 103.708 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 43 Resp: 366872

Ion Ratio Lower Upper

43 100

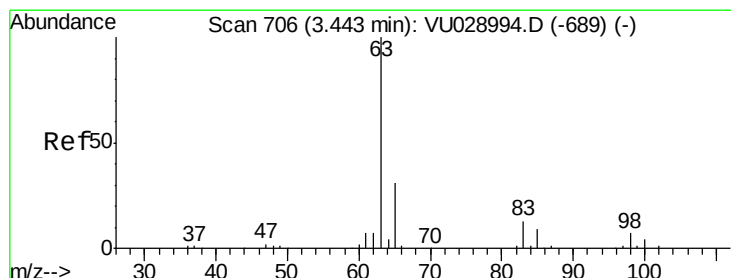
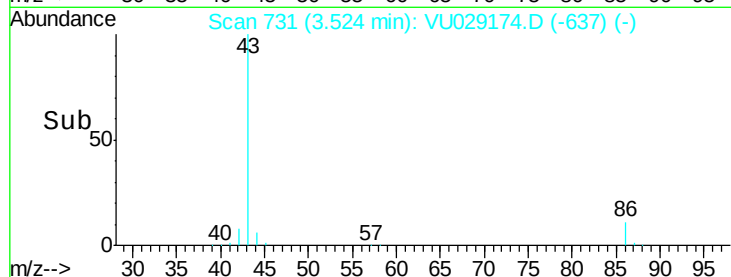
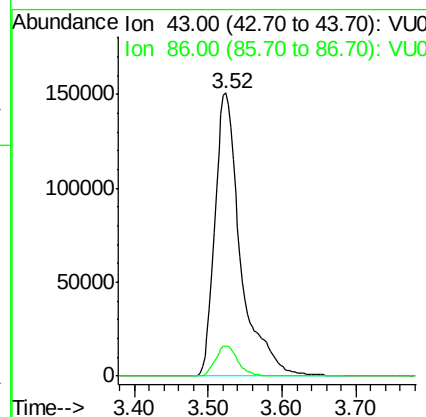
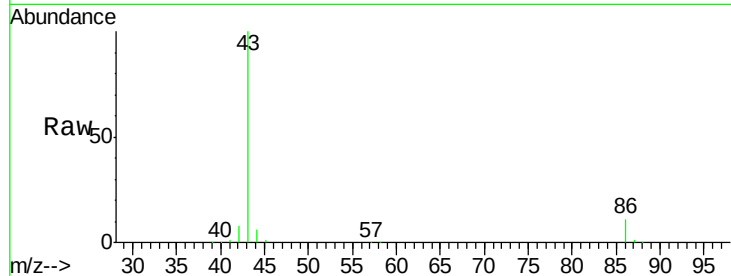
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.032 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

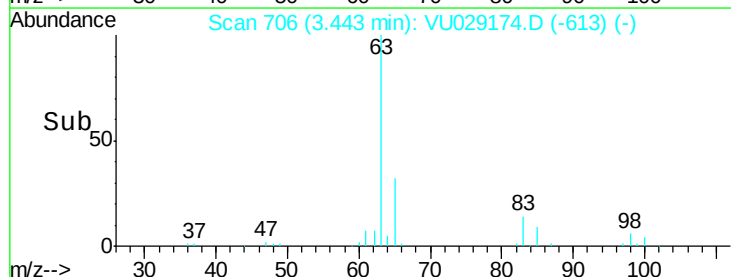
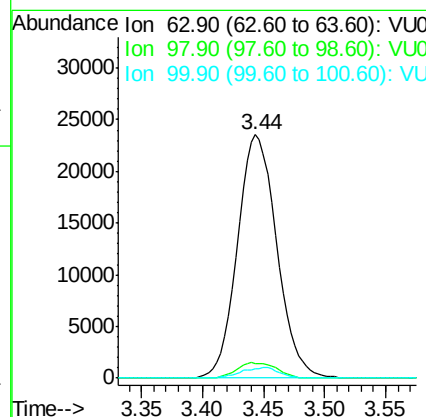
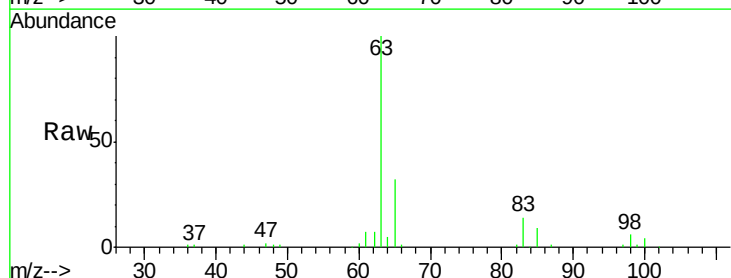
Tgt Ion: 63 Resp: 52538

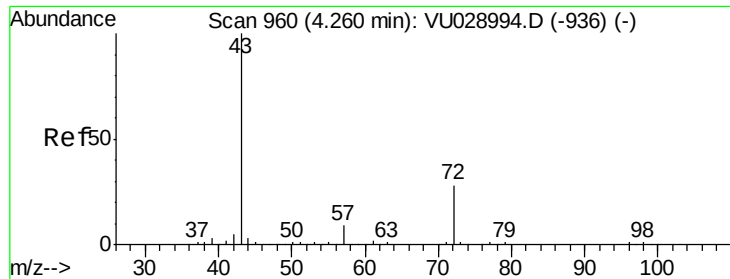
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.1

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 111.338 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 43 Resp: 134739

Ion Ratio Lower Upper

43 100

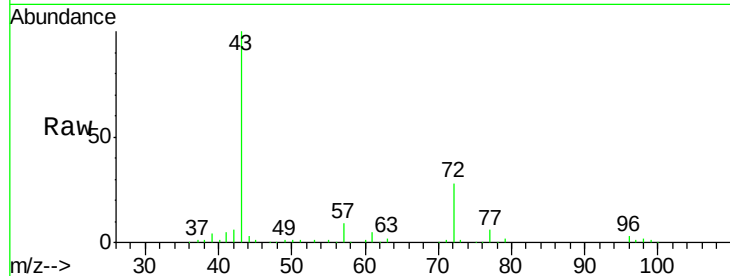
72 27.6 22.6 33.8

Manual Integrations

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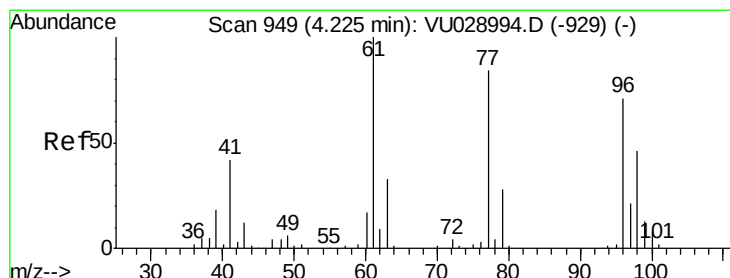
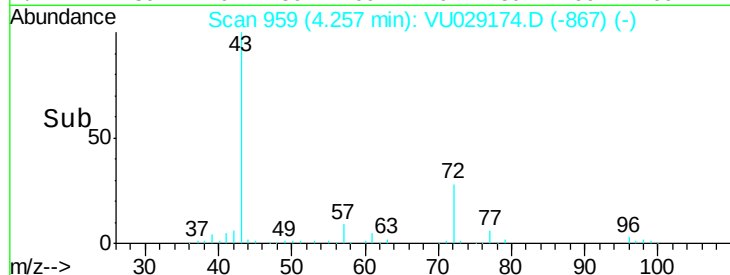
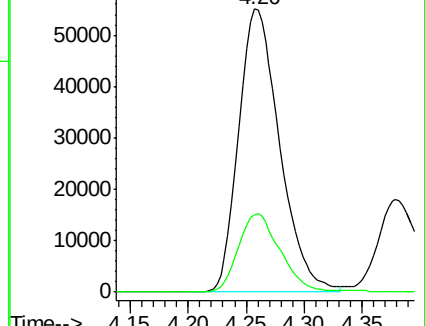
MMDadoda

1/16/2019 9:41:54 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: 21.343 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029174.D

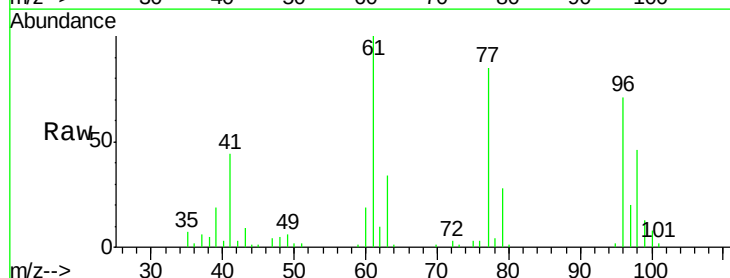
Acq: 15 Jan 2019 10:41

Tgt Ion: 77 Resp: 43079

Ion Ratio Lower Upper

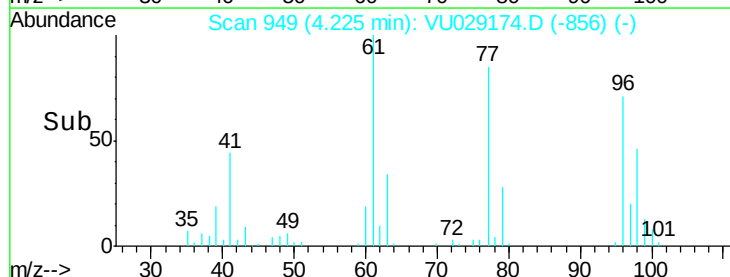
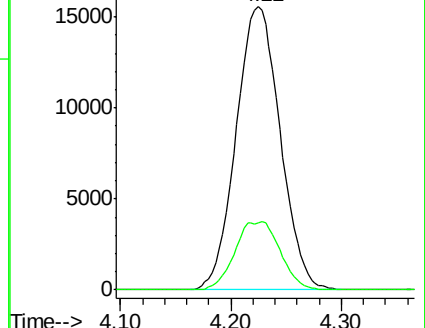
77 100

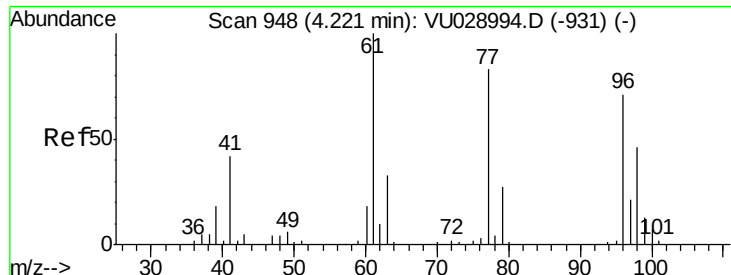
97 24.7 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

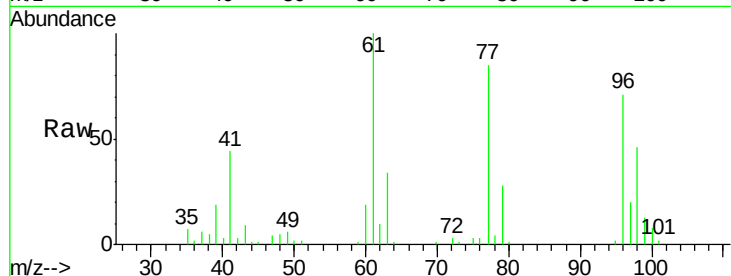
cis-1,2-Dichloroethene
Concen: 20.742 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

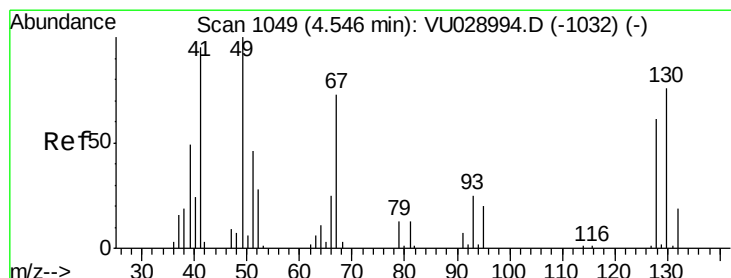
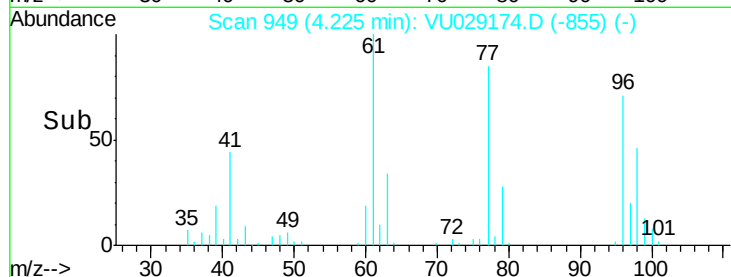
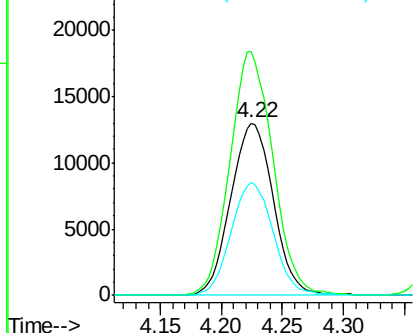
Tot Ion	Ratio	Resp	Lower	Upper
96	100	31451		
61	143.3	0.0	285.6	
98	64.5	0.0	130.2	

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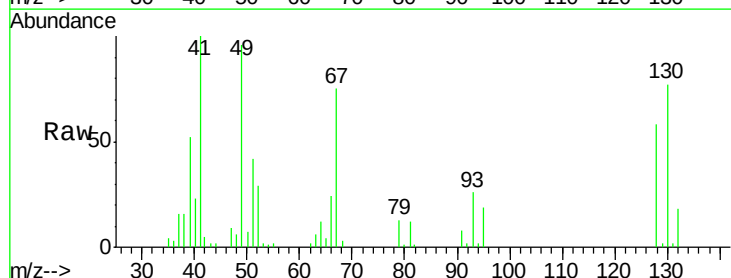
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



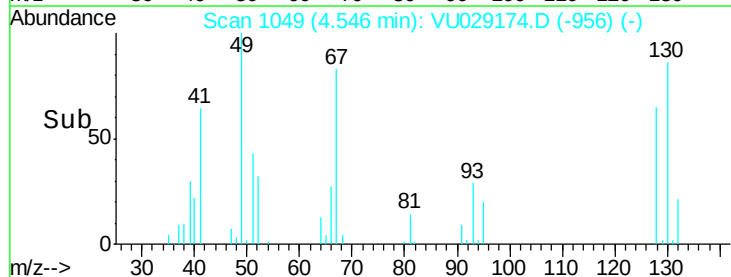
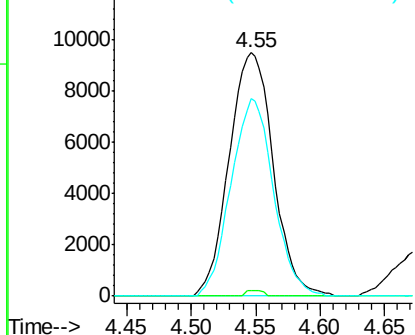
#28

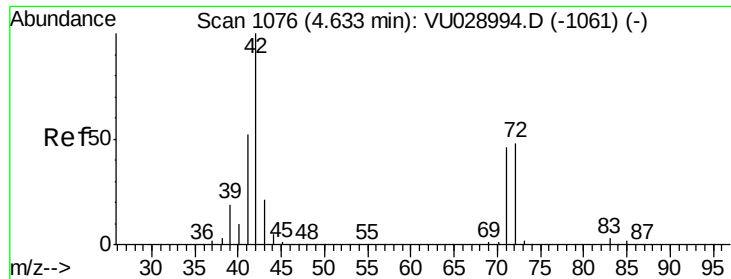
Bromochloromethane
Concen: 21.106 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22576		
129	0.8	0.0	3.4	
130	78.2	62.9	94.3	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





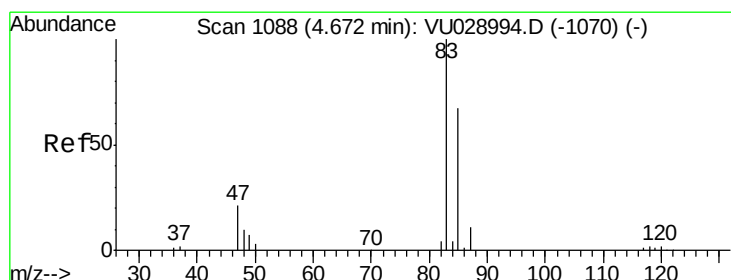
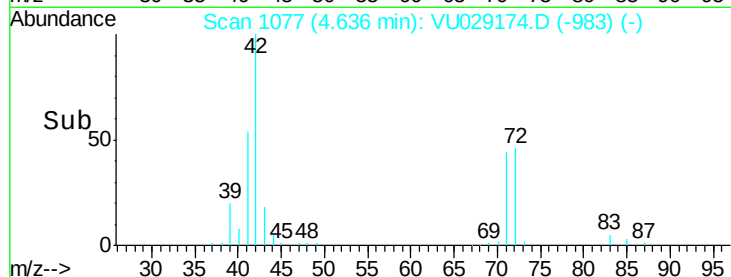
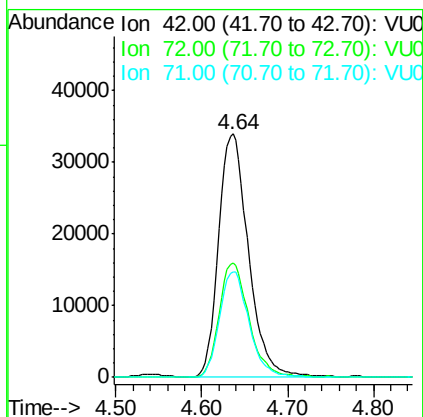
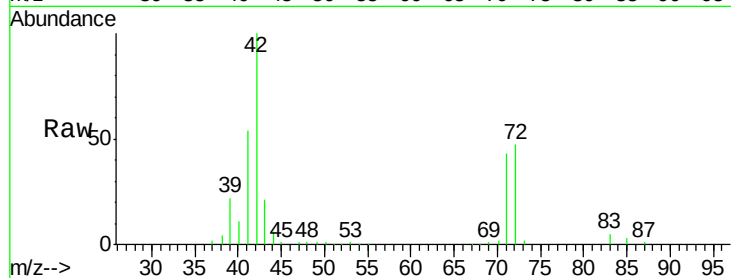
#29
Tetrahydrofuran
Concen: 112.706 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	38.3	57.5
71	42.6	36.1	54.1

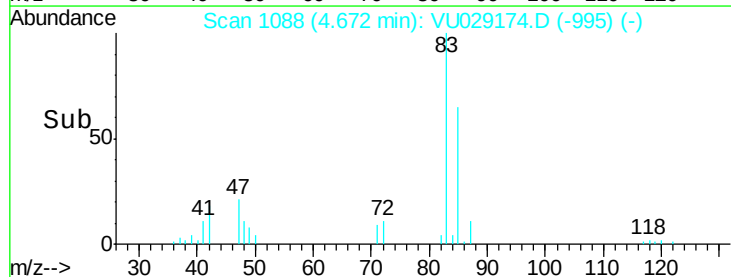
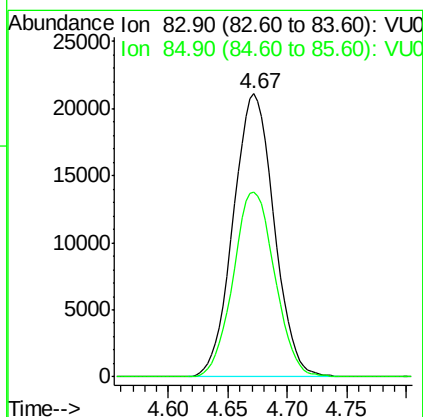
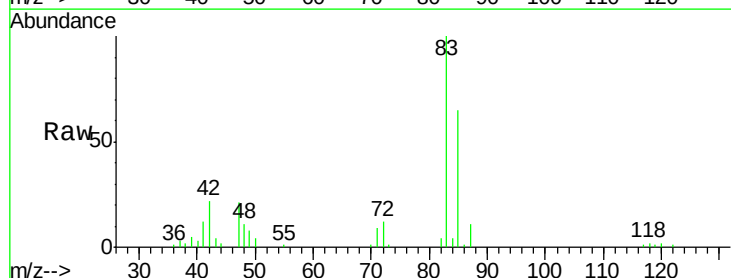
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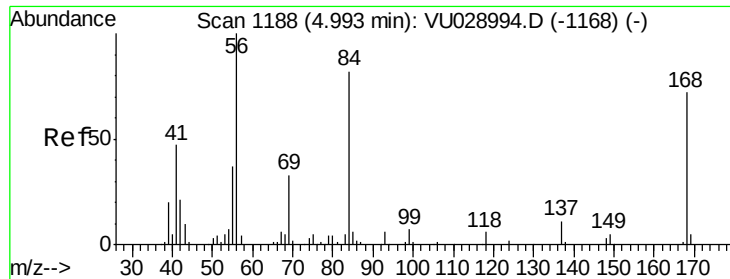
MMDadoda
1/16/2019 9:41:54 AM



#30
Chloroform
Concen: 21.115 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.4	80.0





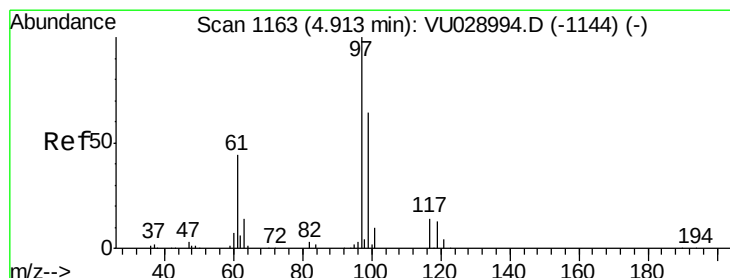
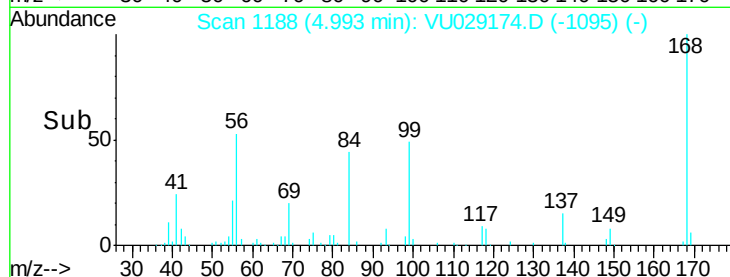
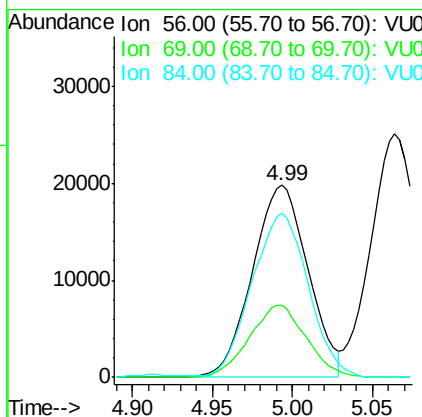
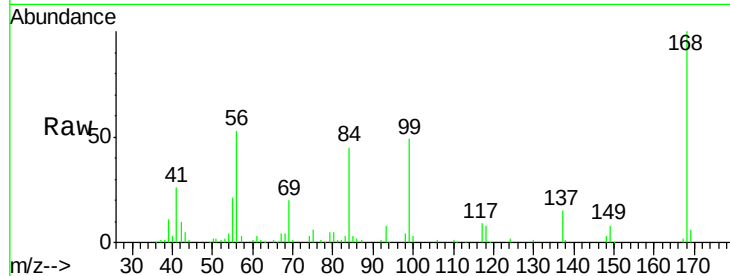
#31
Cyclohexane
Concen: 19.419 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	26.7	40.1
84	84.8	65.7	98.5

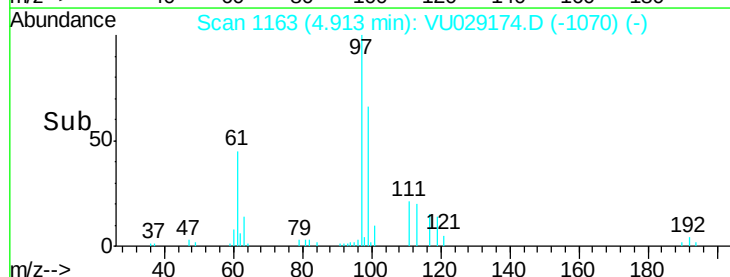
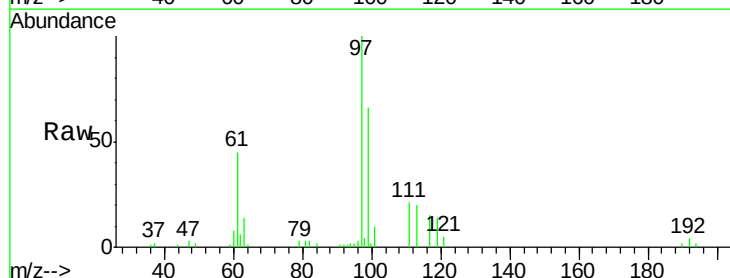
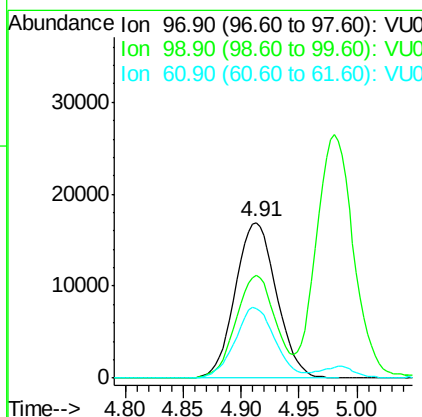
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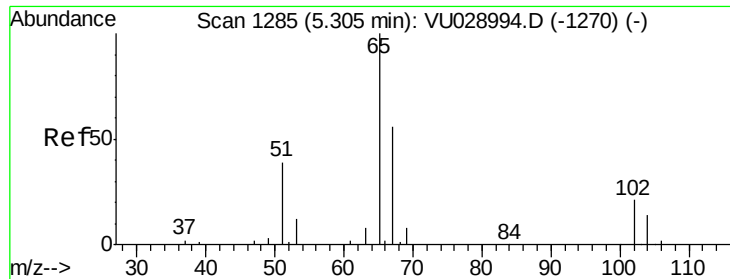
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1/16/2019 9:41:54 AM



#32
1,1,1-Trichloroethane
Concen: 21.326 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	43.9	34.4	51.6





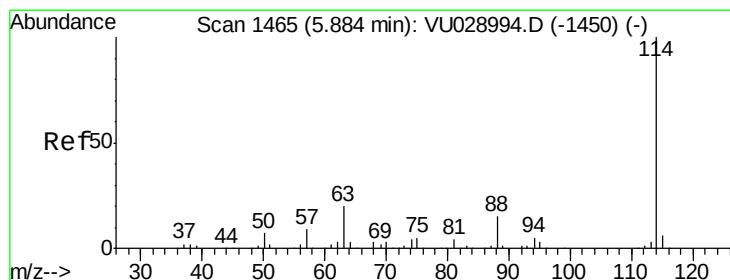
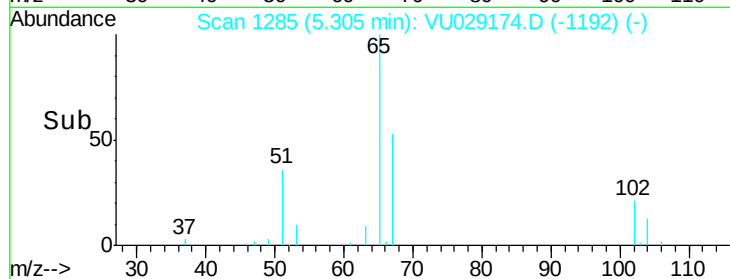
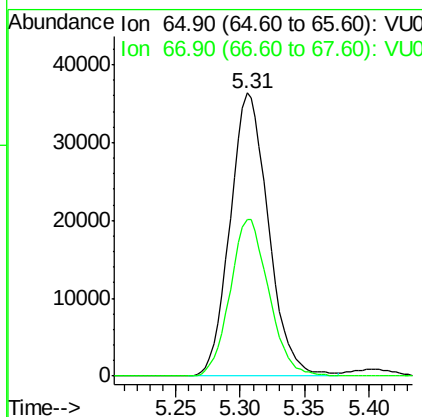
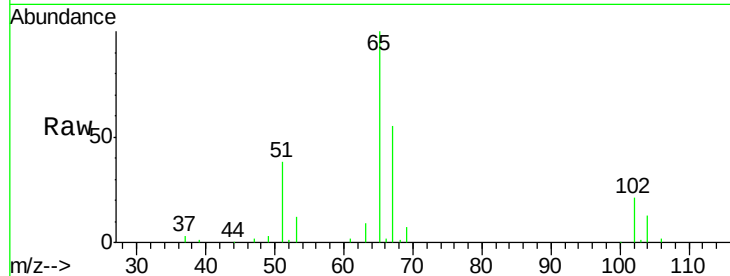
#33
 1,2-Dichloroethane-d4
 Concen: 52.953 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	111.0

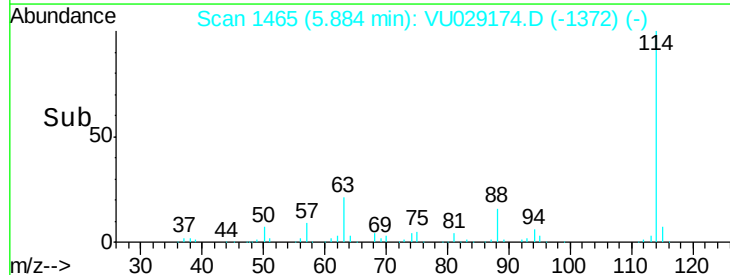
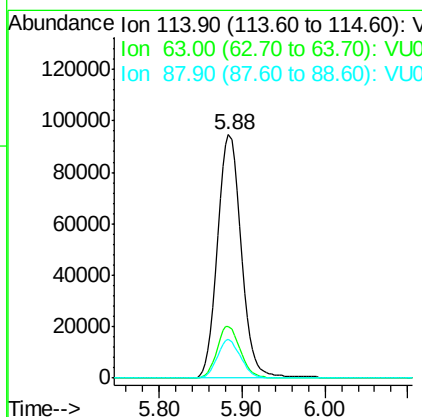
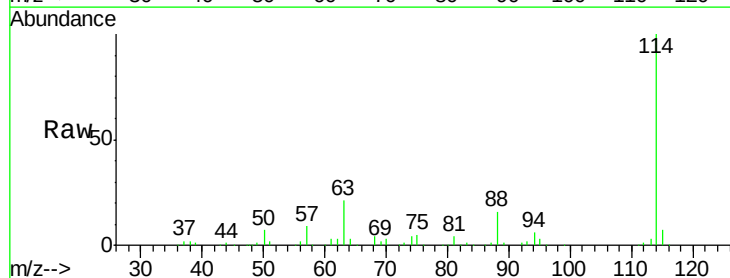
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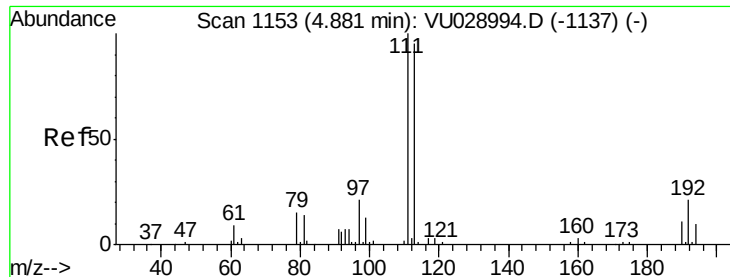
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 1/16/2019 9:41:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.2
88	15.7	0.0	30.4





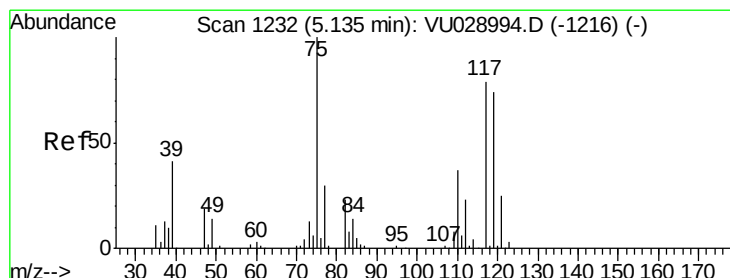
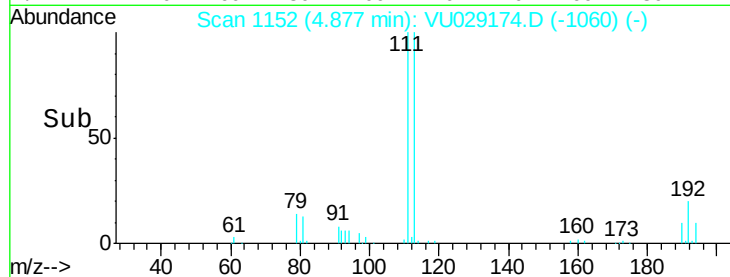
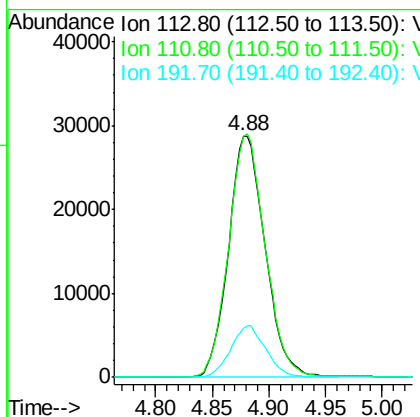
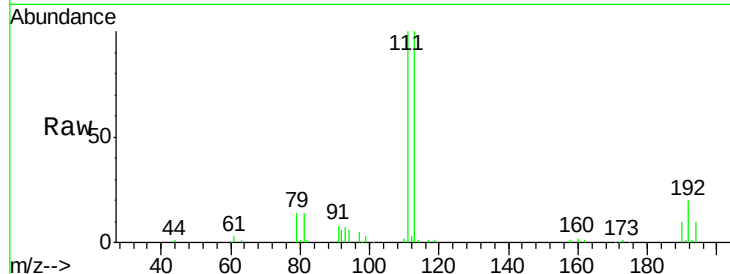
#35
 Dibromofluoromethane
 Concen: 53.282 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	64869		
111	100.9	81.4	122.2	
192	20.5	16.8	25.2	

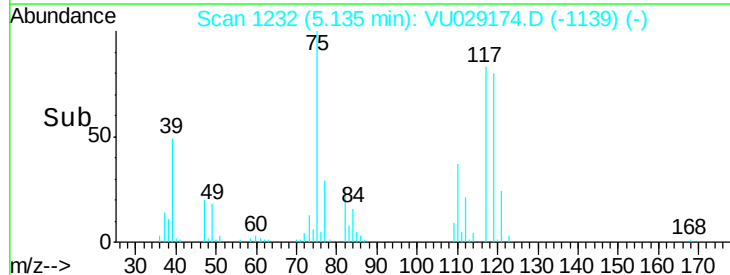
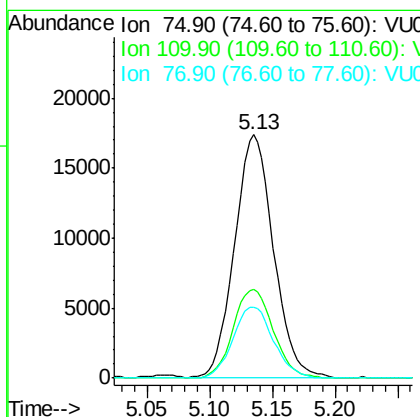
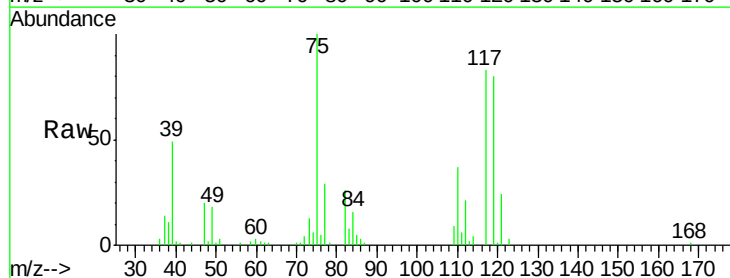
Manual Integrations
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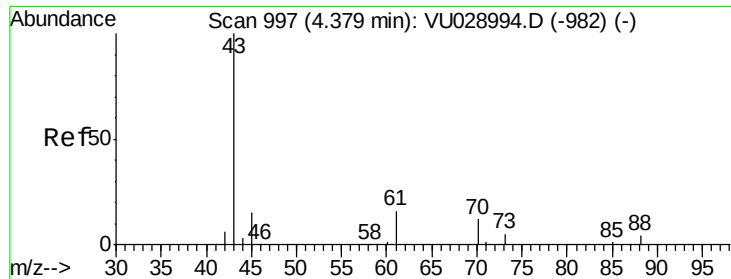
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 1/16/2019 9:41:54 AM



#36
 1,1-Dichloropropene
 Concen: 20.053 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37646		
110	37.3	18.4	55.4	
77	30.2	25.1	37.7	





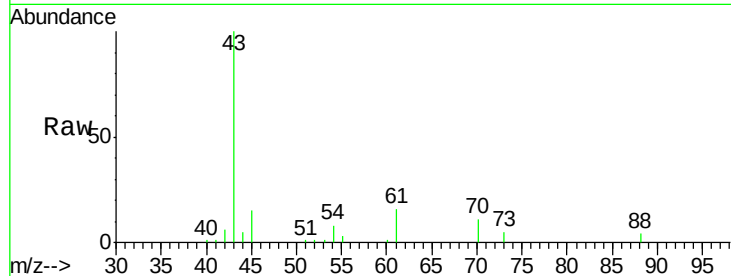
#37
Ethyl Acetate
Concen: 21.554 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.6	18.8
70	10.9	9.3	13.9

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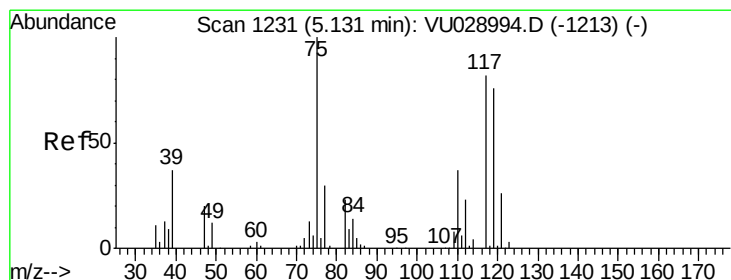
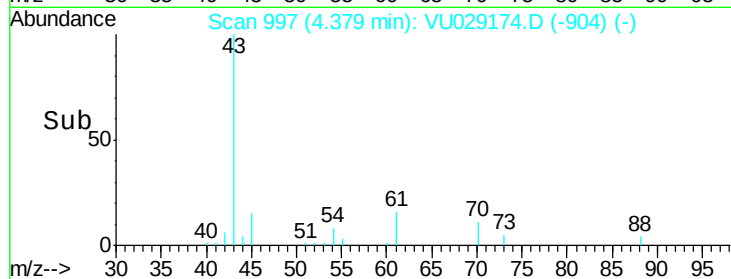
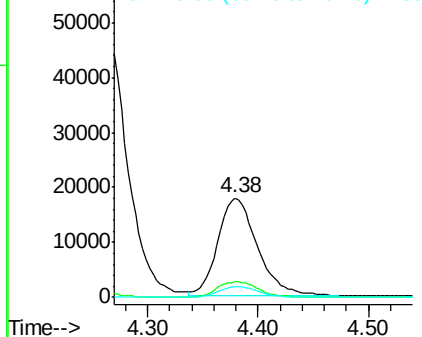


Abundance

Ion 43.00 (42.70 to 43.70): VU0

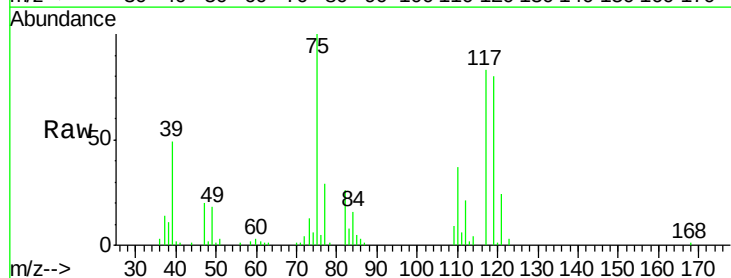
Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38
Carbon Tetrachloride
Concen: 21.593 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.6	111.8
121	29.3	25.0	37.6

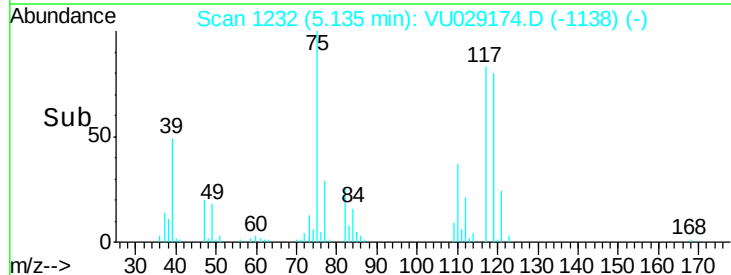
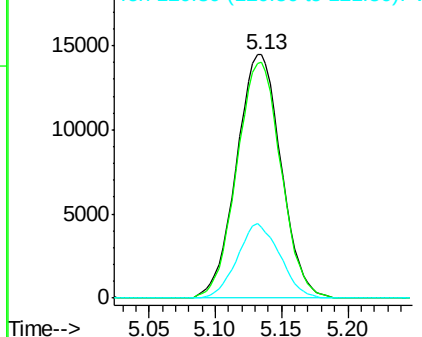


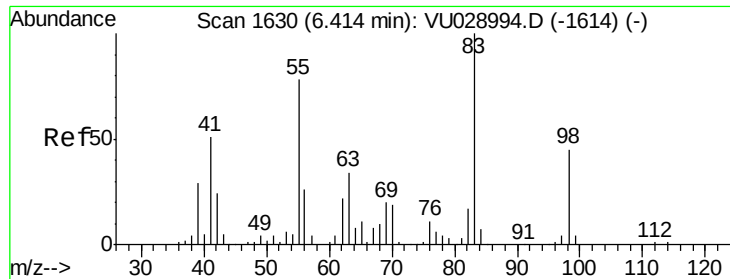
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





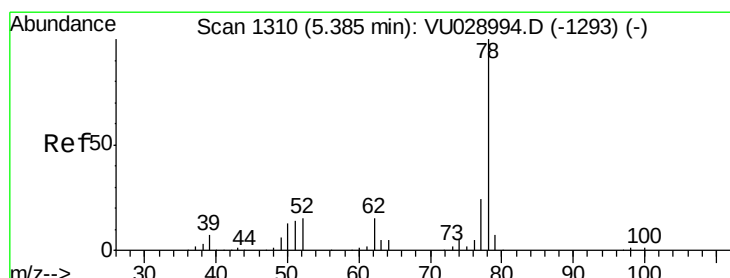
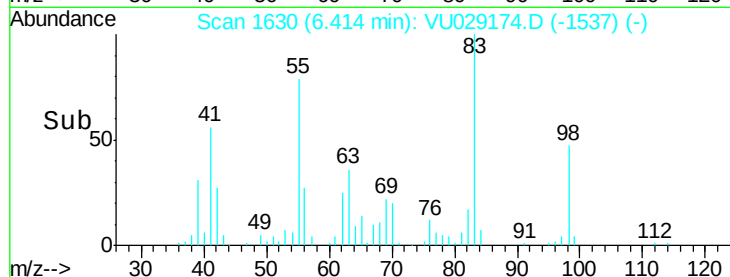
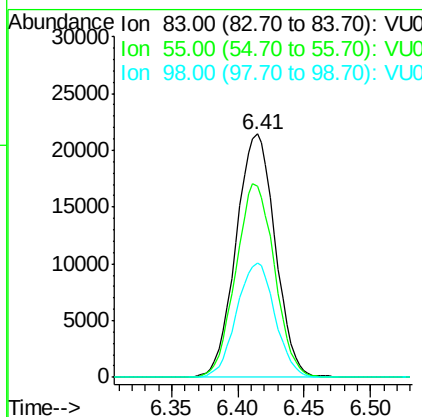
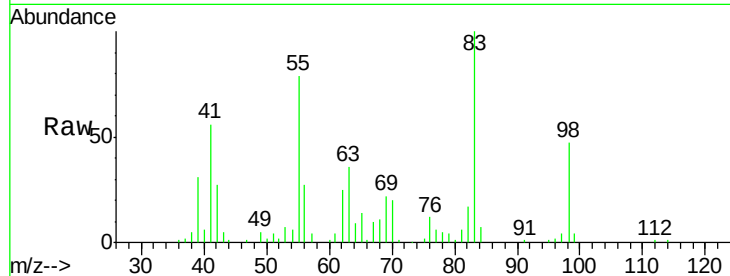
#39
Methylvlcyclohexane
Concen: 19.032 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	83	Resp	43923
Ion Ratio	Lower	Upper	
83	100		
55	78.7	62.4	93.6
98	47.0	36.2	54.2

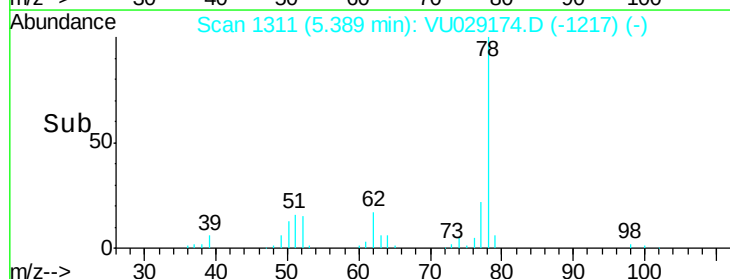
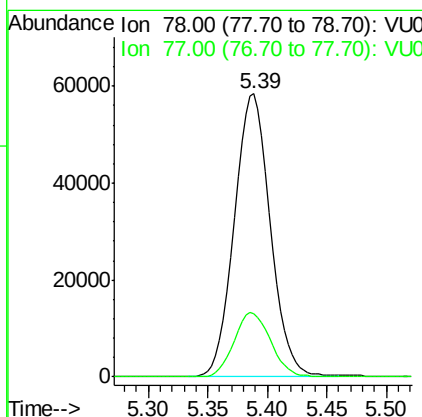
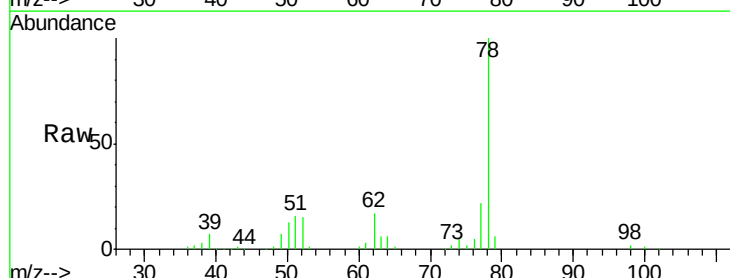
Manual Integrations
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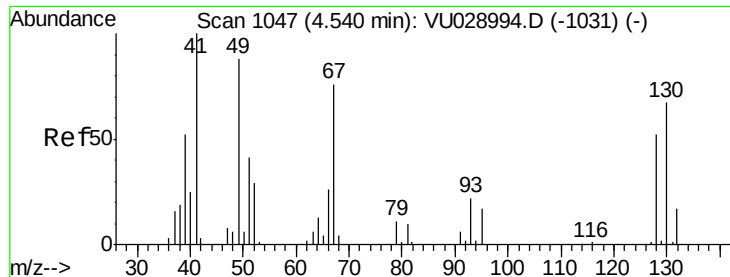
MMDadoda
1/16/2019 9:41:54 AM



#40
Benzene
Concen: 20.959 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	78	Resp	122731
Ion Ratio	Lower	Upper	
78	100		
77	22.4	18.9	28.3





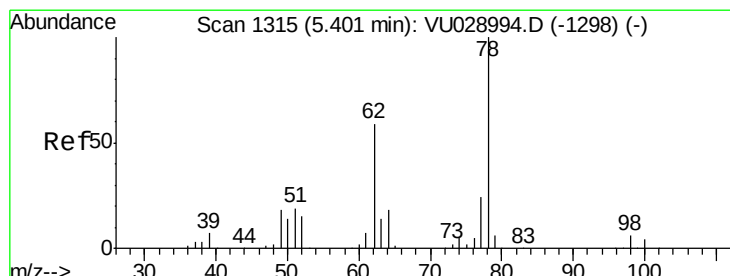
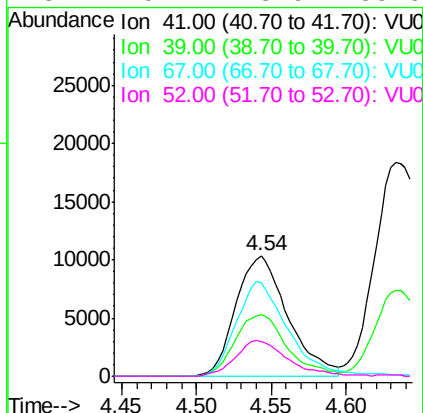
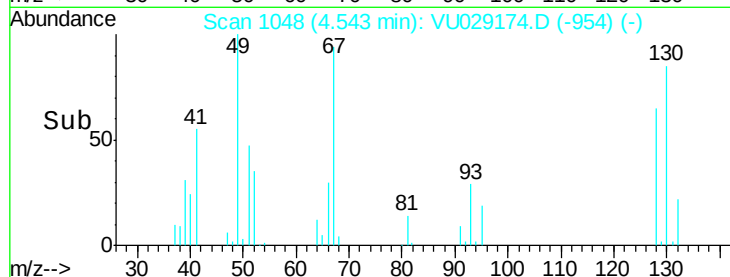
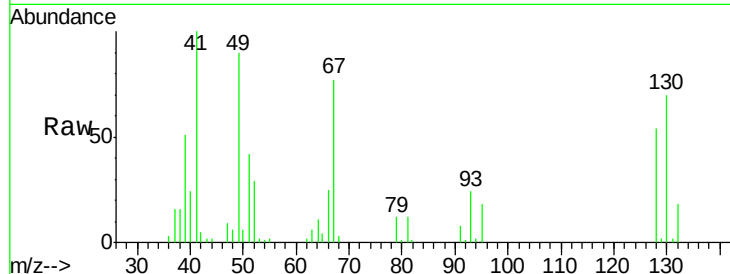
#41
Methacrylonitrile
Concen: 22.619 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
VU0115WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.1	42.3	63.5	
67	77.8	64.4	96.6	
52	29.7	23.9	35.9	

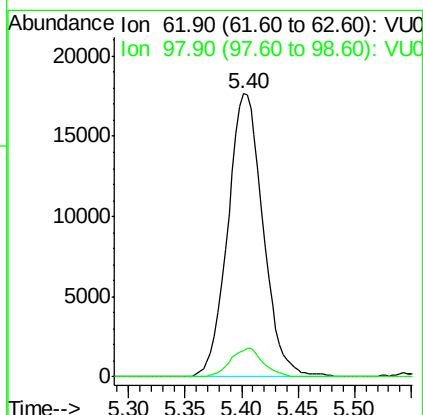
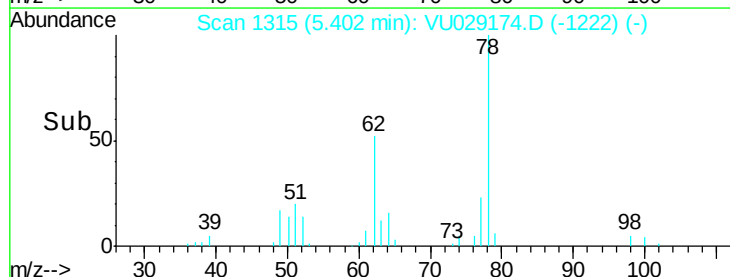
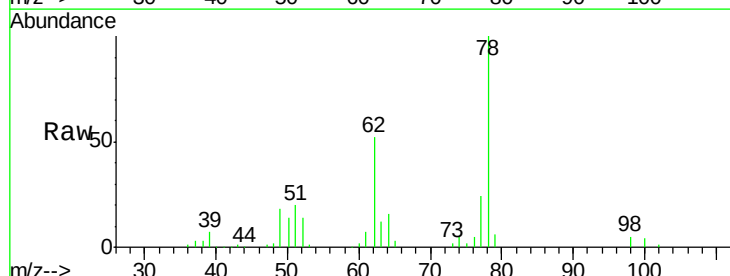
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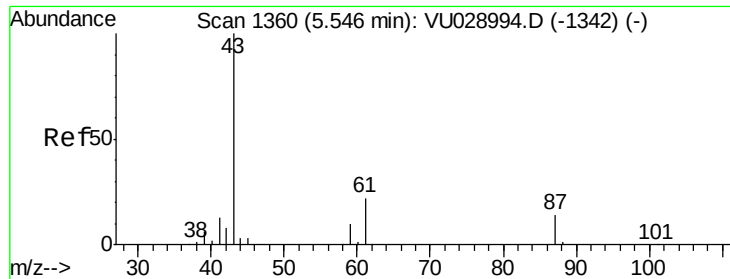
MMDadoda
1/16/2019 9:41:54 AM



#42
1,2-Dichloroethane
Concen: 21.783 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.6	





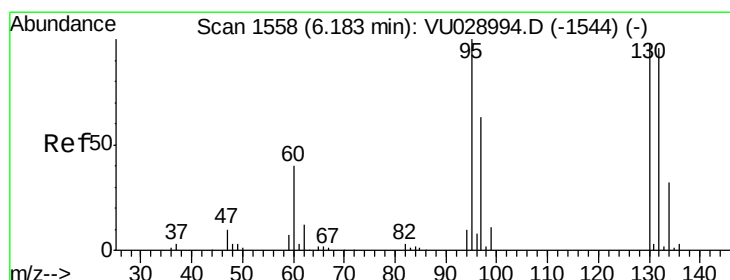
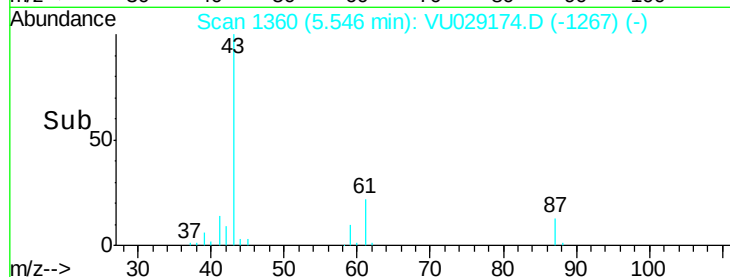
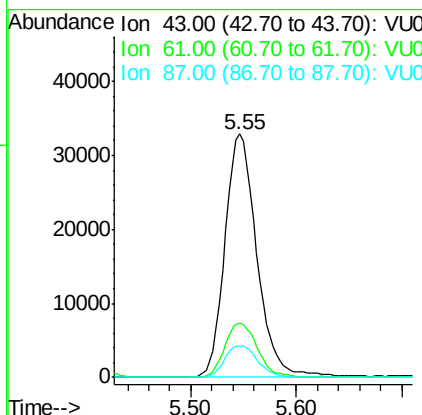
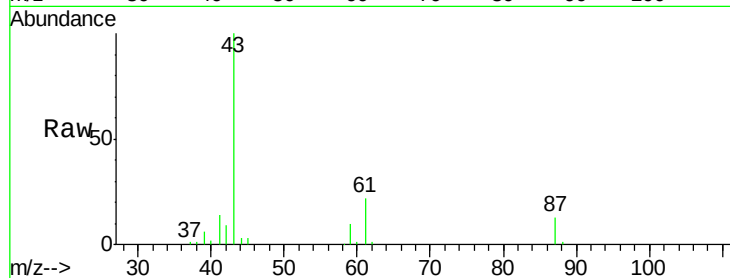
#43
Isopropyl Acetate
Concen: 21.850 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.8	26.6
87	13.4	11.3	16.9

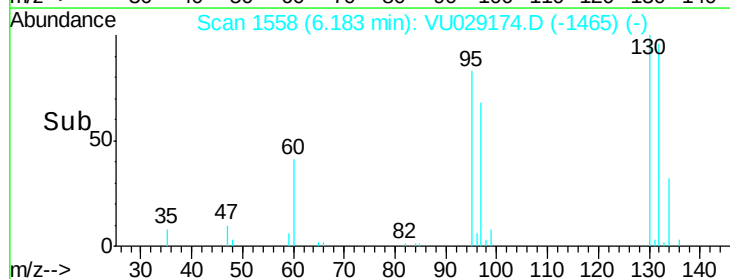
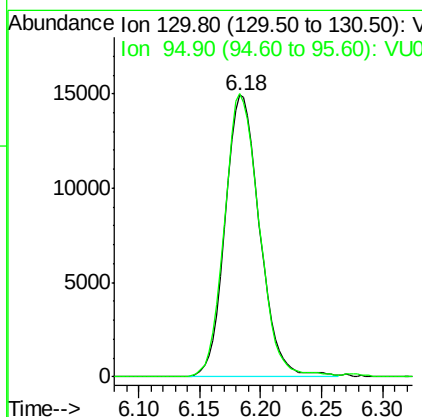
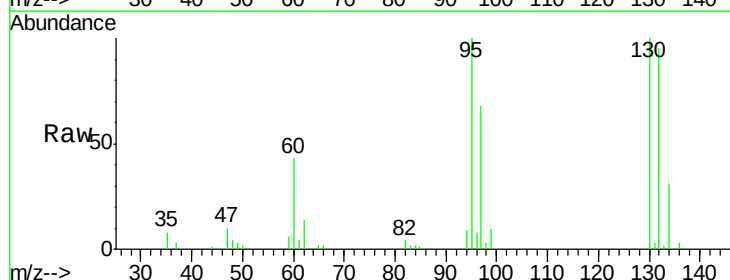
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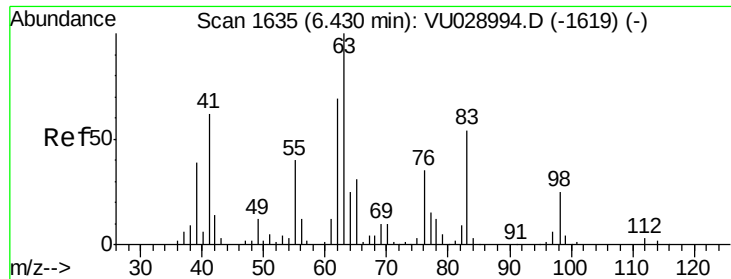
MMDadoda
1/16/2019 9:41:54 AM



#44
Trichloroethene
Concen: 20.382 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	205.0





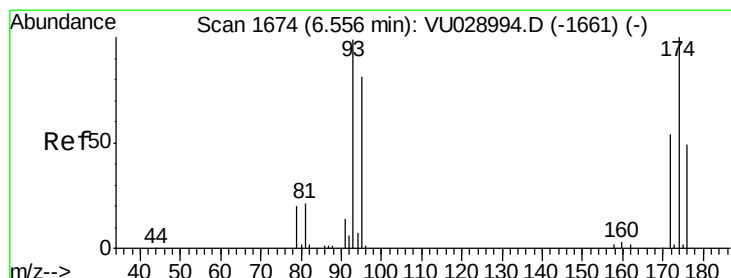
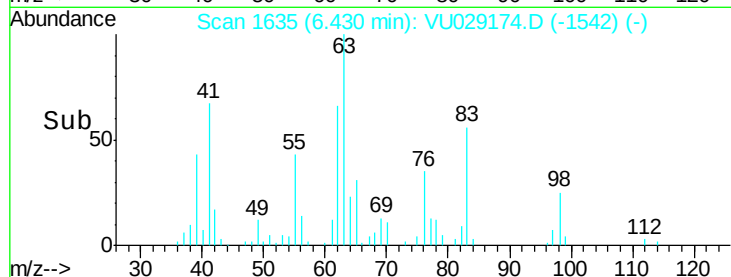
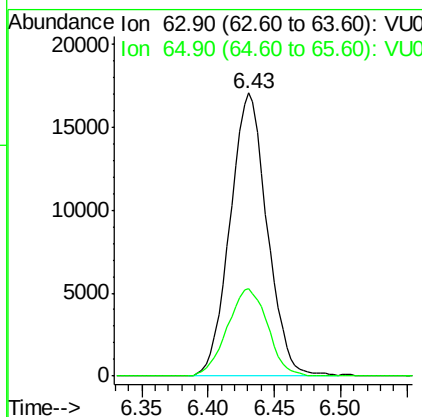
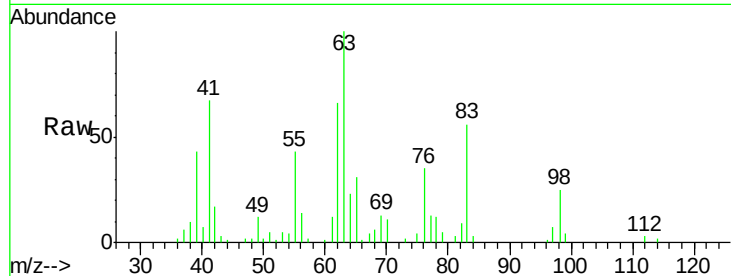
#45
 1,2-Dichloropropane
 Concen: 21.430 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion: 63 Resp: 33139
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

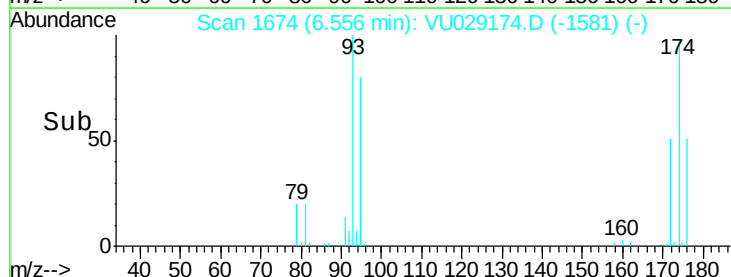
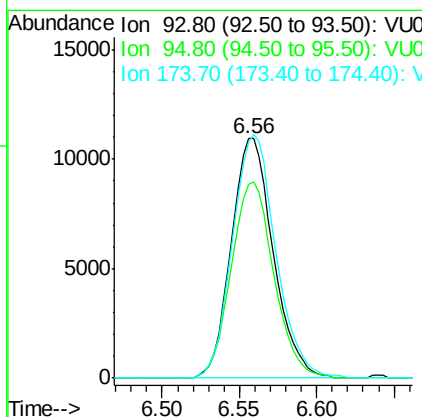
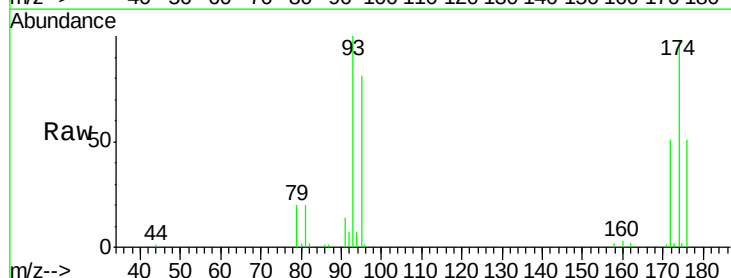
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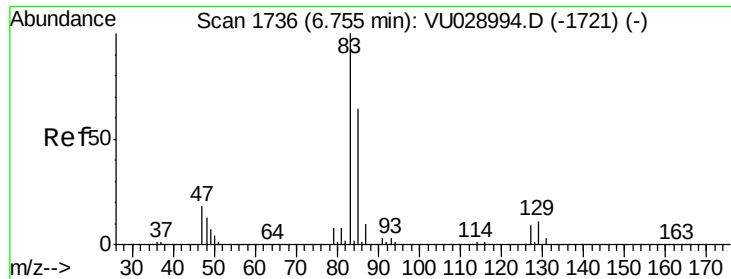
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 1/16/2019 9:41:54 AM



#46
 Dibromomethane
 Concen: 20.883 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion: 93 Resp: 20644
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 104.9 82.6 123.8





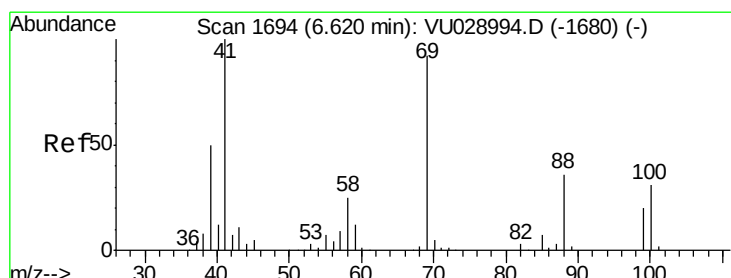
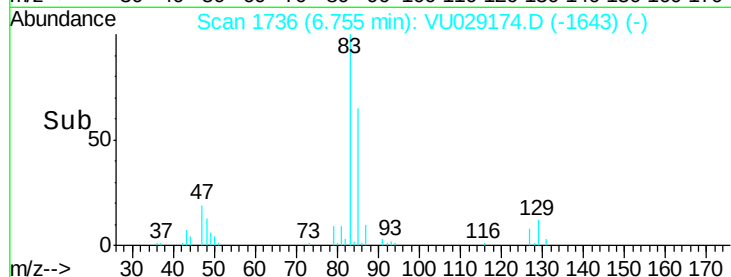
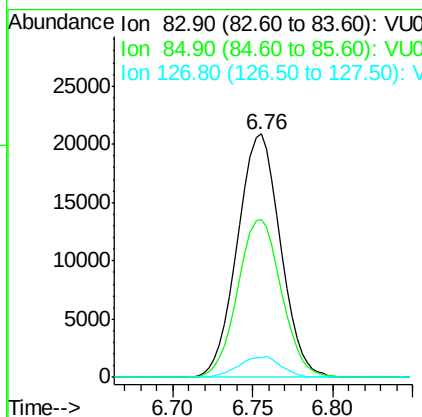
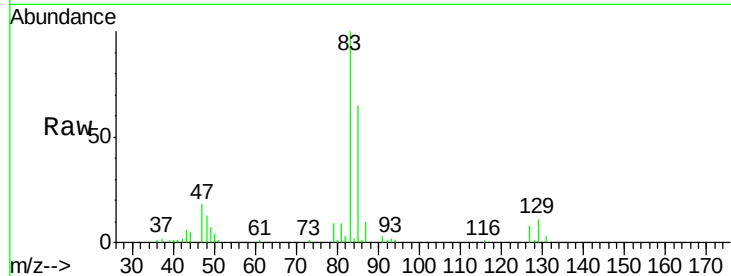
#47
 Bromodichloromethane
 Concen: 21.112 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	83	Resp	38425
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.4	77.2
127	8.3	7.0	10.4

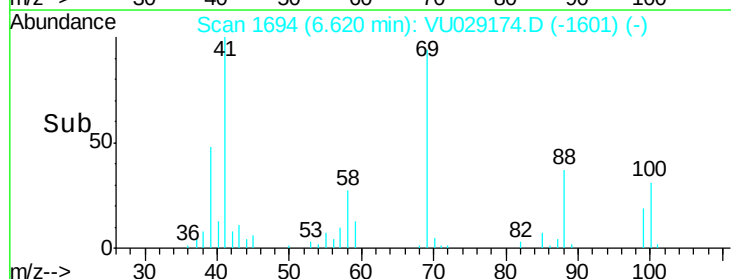
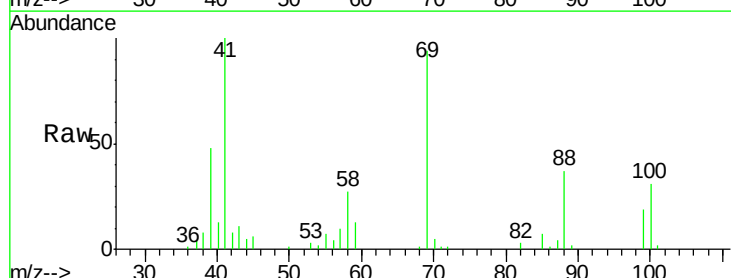
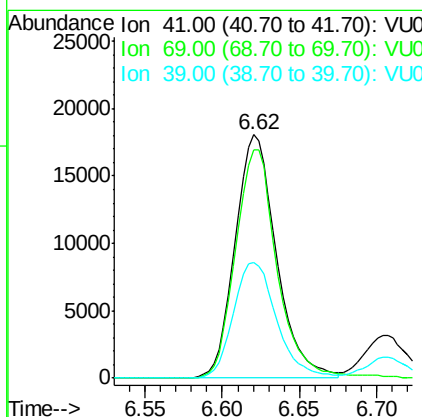
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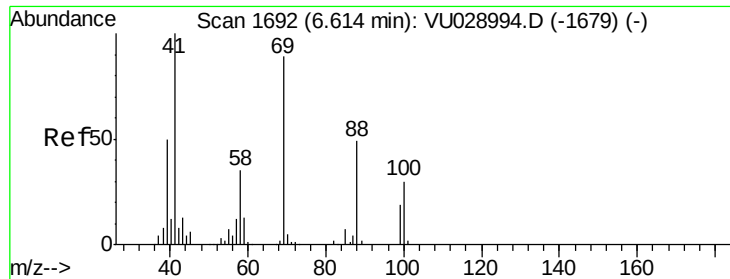
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 1/16/2019 9:41:54 AM



#48
 Methyl methacrylate
 Concen: 21.842 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	41	Resp	33619
Ion Ratio	100	Lower	Upper
41	100		
69	93.8	73.6	110.4
39	49.7	39.6	59.4





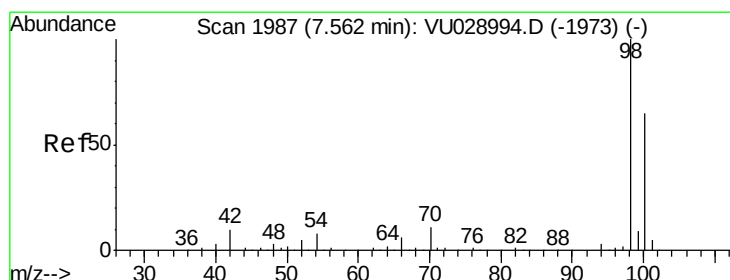
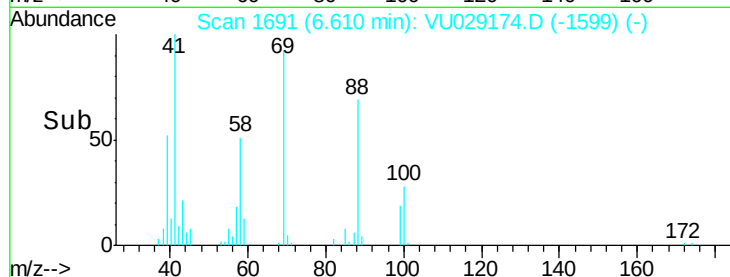
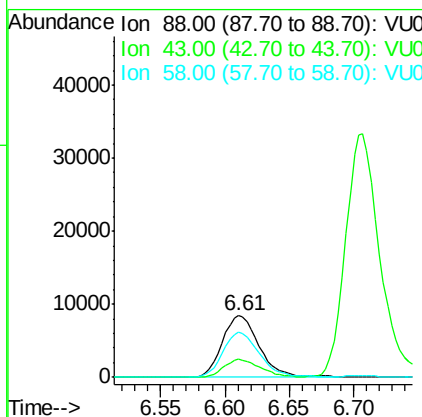
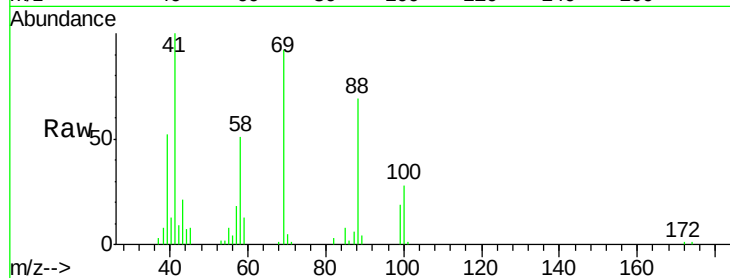
#49
1,4-Dioxane
Concen: 460.551 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.0	34.4
58	71.2	57.9	86.9

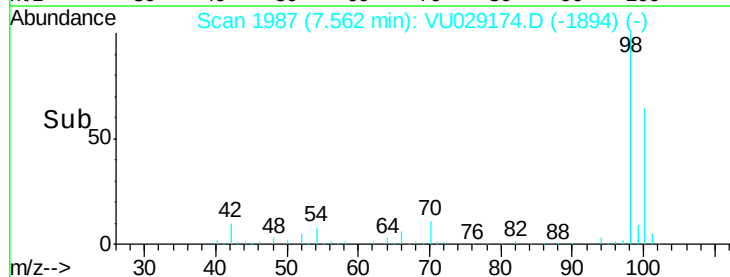
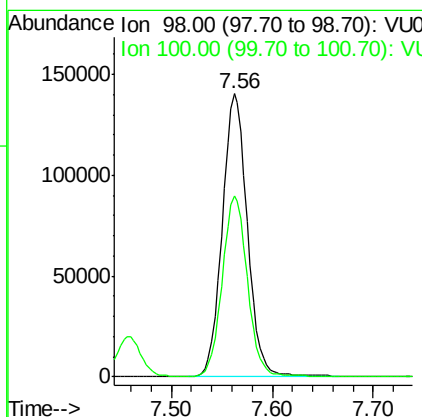
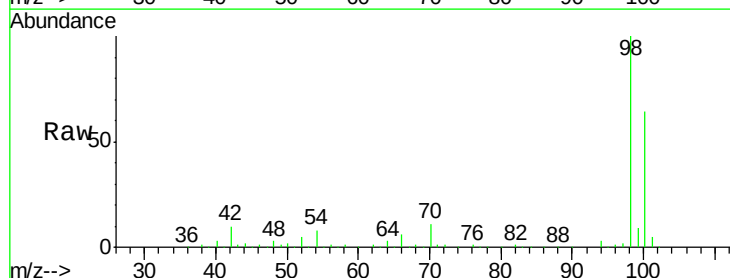
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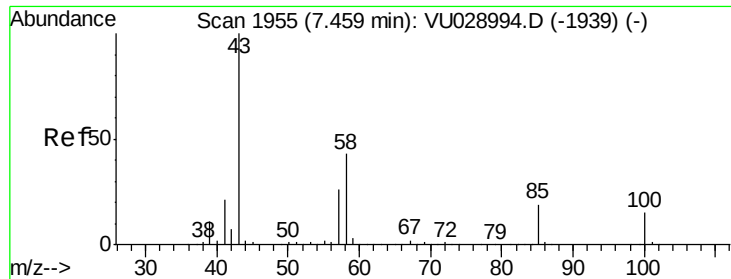
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1/16/2019 9:41:54 AM



#50
Toluene-d8
Concen: 50.964 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 109.113 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 43 Resp: 234727

Ion Ratio Lower Upper

43 100

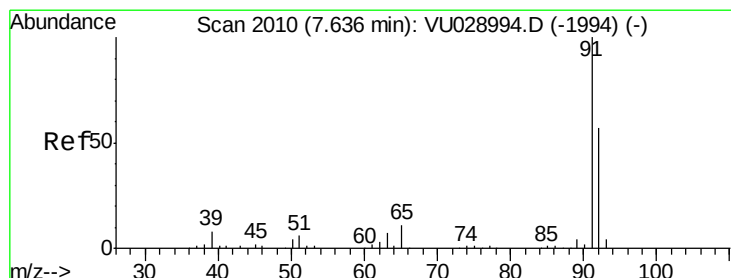
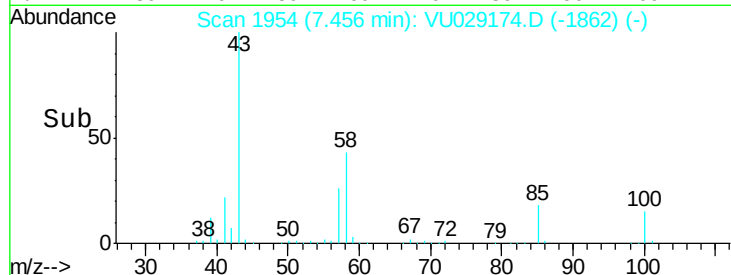
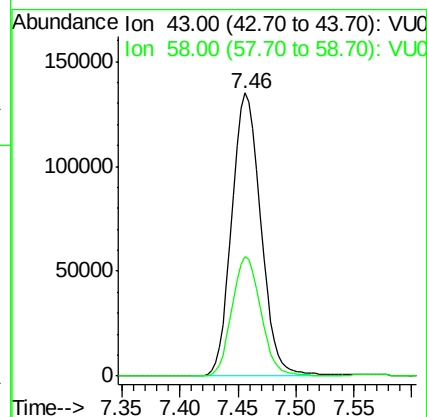
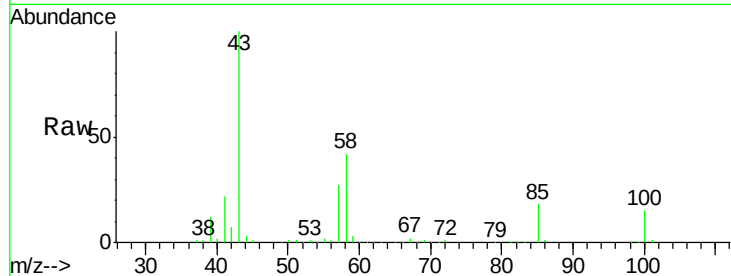
58 42.0 33.9 50.9

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1/16/2019 9:41:54 AM



#52

Toluene

Concen: 20.561 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029174.D

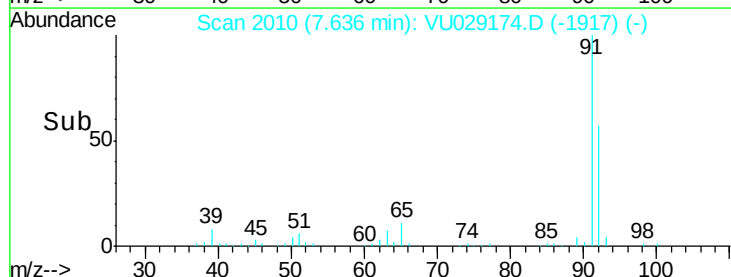
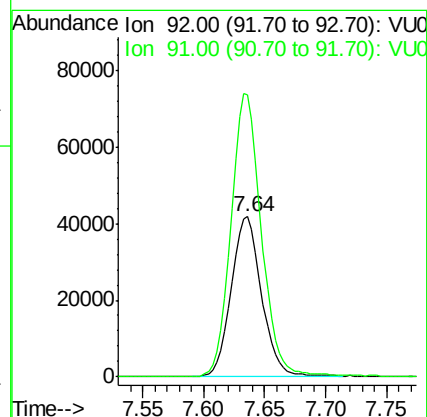
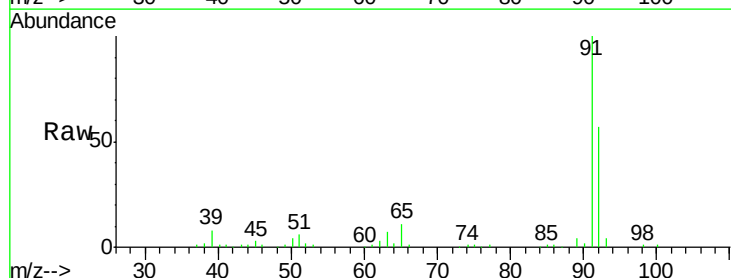
Acq: 15 Jan 2019 10:41

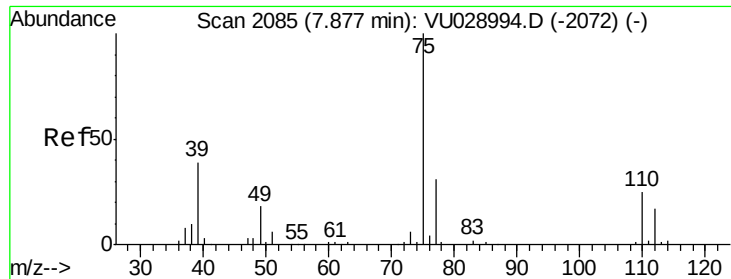
Tgt Ion: 92 Resp: 73296

Ion Ratio Lower Upper

92 100

91 176.1 139.8 209.8





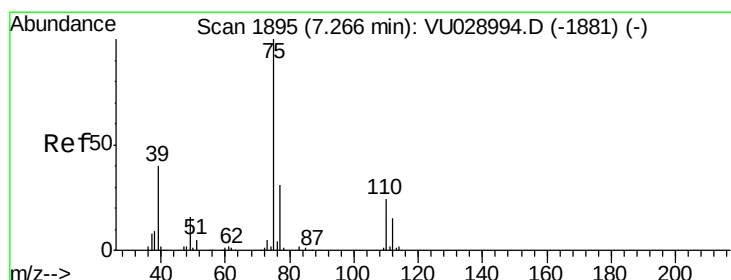
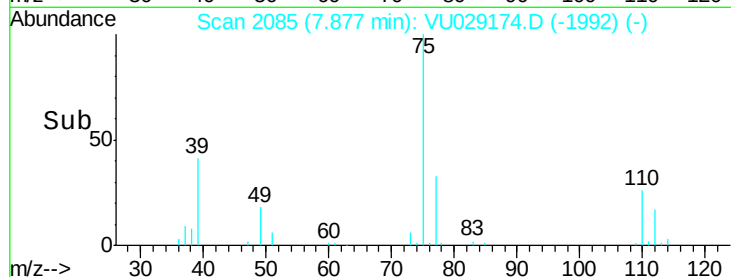
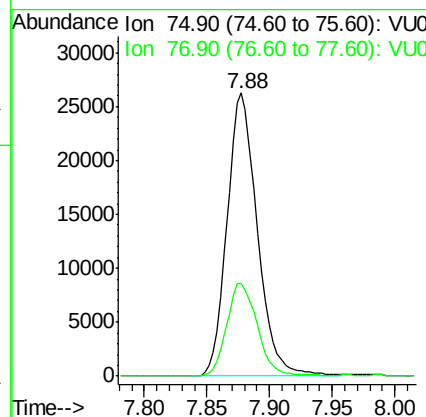
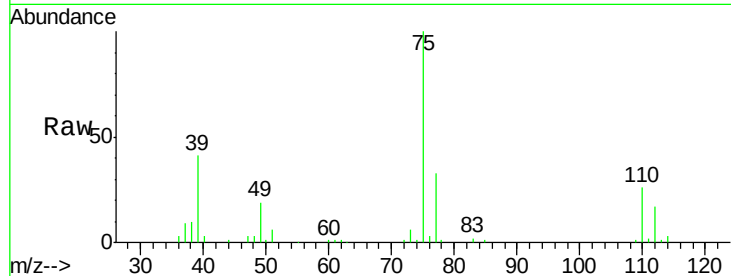
#53
t-1,3-Dichloropropene
Concen: 20.123 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	75	Resp	43998
Ion Ratio	Lower	Upper	
75	100		
77	32.9	25.0	37.4

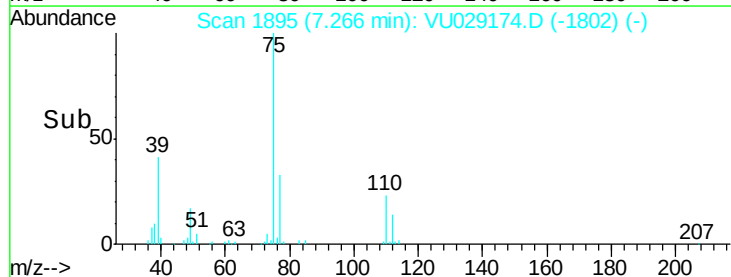
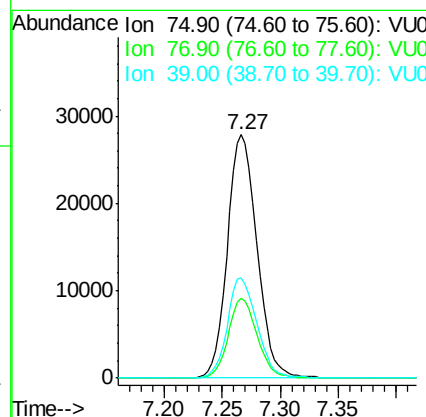
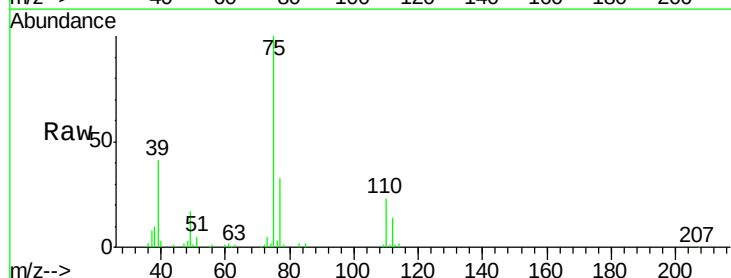
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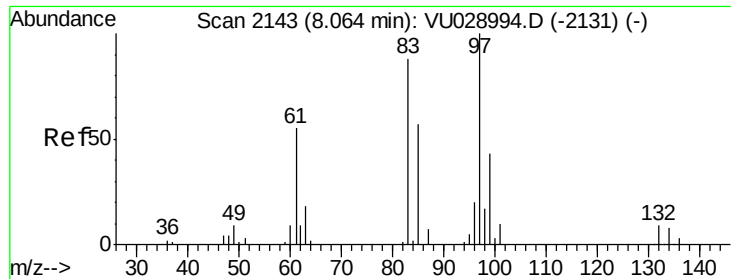
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1/16/2019 9:41:54 AM



#54
cis-1,3-Dichloropropene
Concen: 20.901 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	75	Resp	49379
Ion Ratio	Lower	Upper	
75	100		
77	32.8	25.0	37.6
39	41.0	32.2	48.4





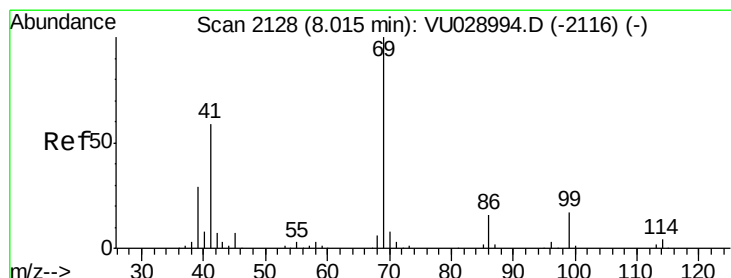
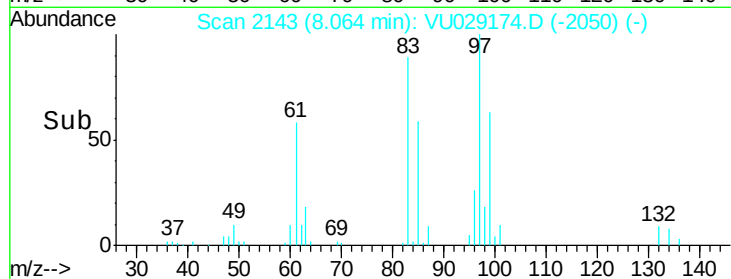
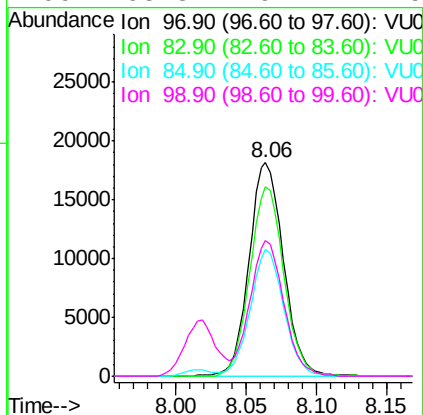
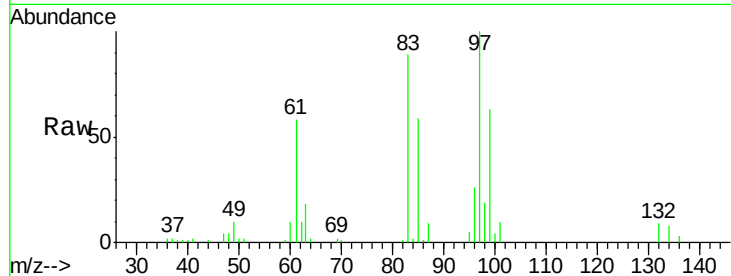
#55
 1,1,2-Trichloroethane
 Concen: 21.750 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion:	97	Resp:	31062
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.8	104.8
85	59.2	47.3	70.9
99	63.3	49.7	74.5

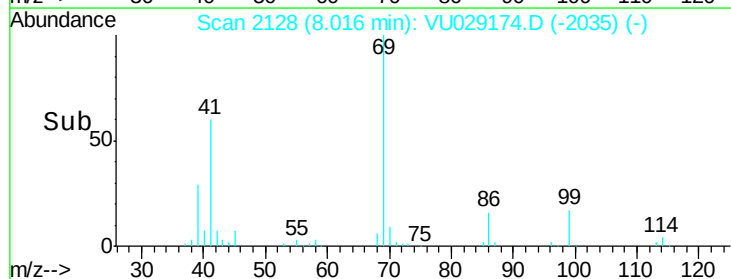
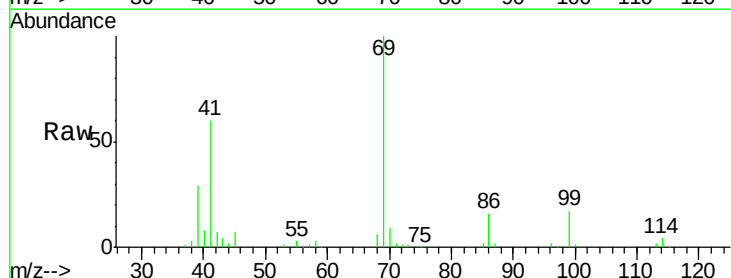
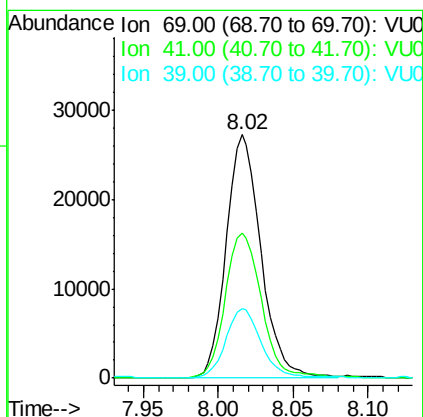
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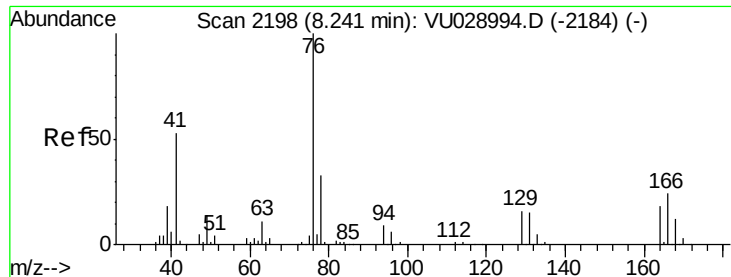
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 1/16/2019 9:41:54 AM



#56
 Ethyl methacrylate
 Concen: 20.113 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion:	69	Resp:	44253
Ion	Ratio	Lower	Upper
69	100		
41	62.6	47.5	71.3
39	29.0	22.5	33.7





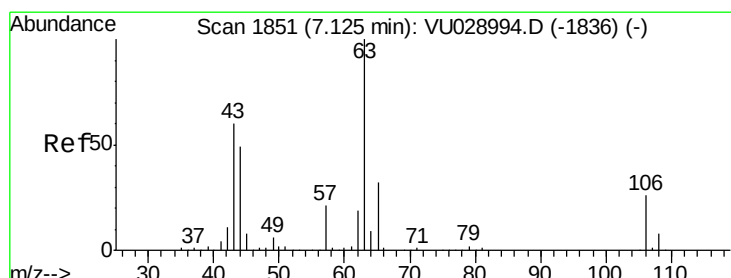
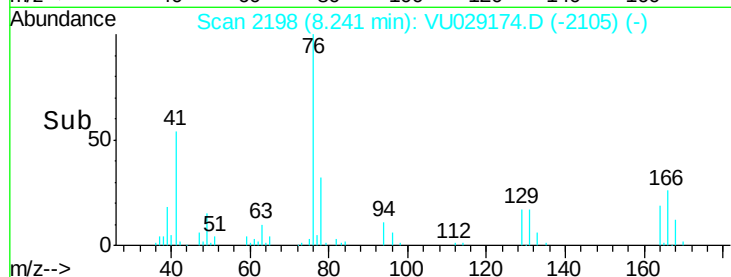
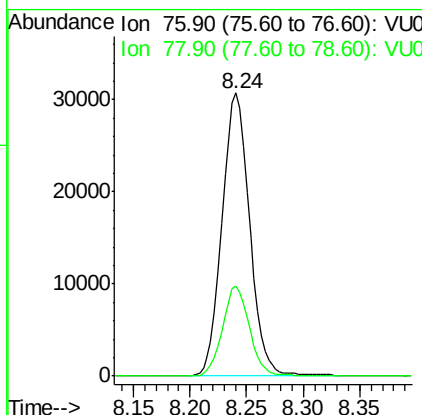
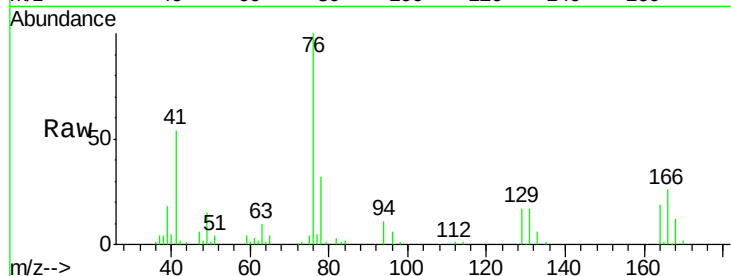
#57
 1,3-Dichloropropane
 Concen: 21.450 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion: 76 Resp: 52417
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.0 39.0

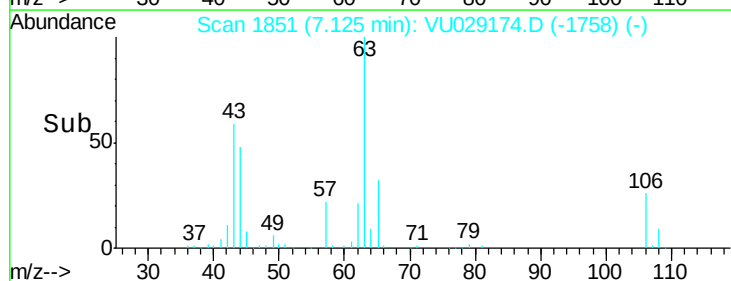
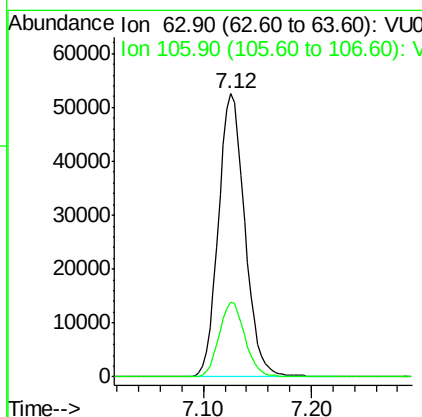
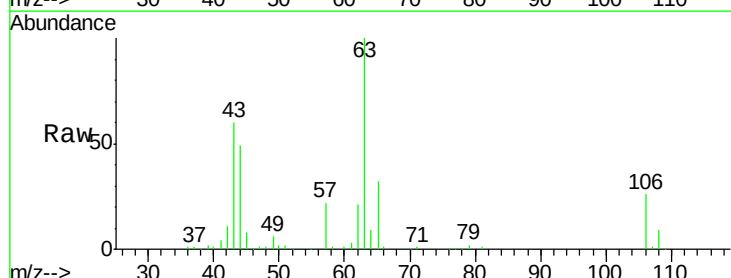
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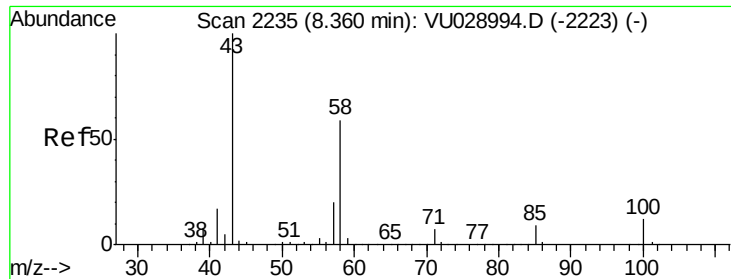
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 1/16/2019 9:41:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.613 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion: 63 Resp: 89612
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.6 31.0





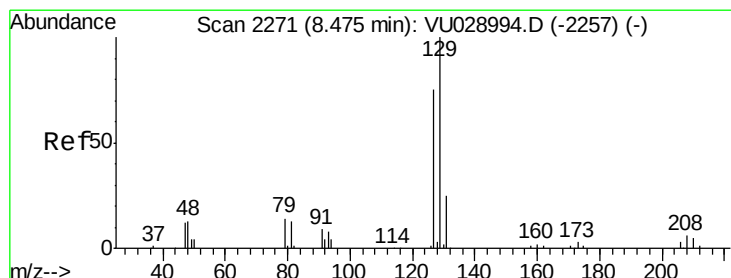
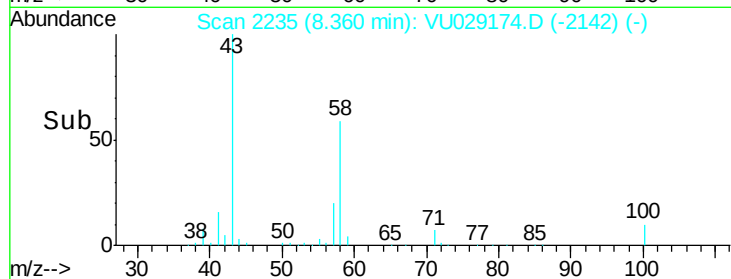
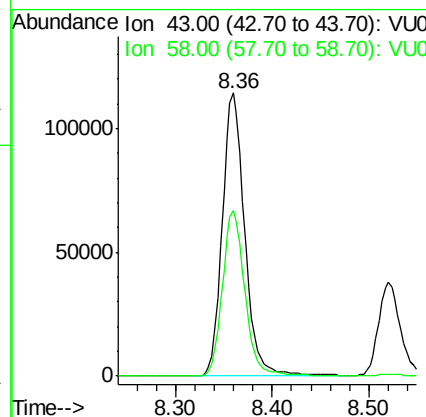
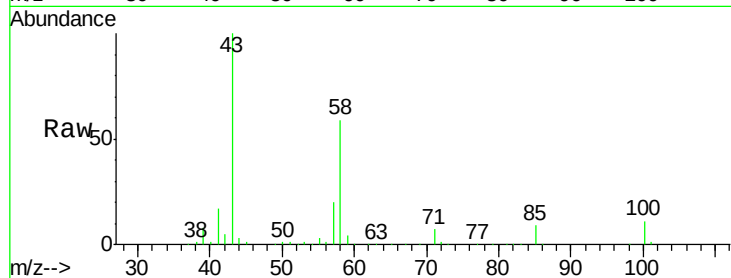
#59
 2-Hexanone
 Concen: 109.243 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 VU0115WBS01

Tot Ion	43	Resp	184472
Ion Ratio	100	Lower	Upper
43	100		
58	58.7	29.8	89.4

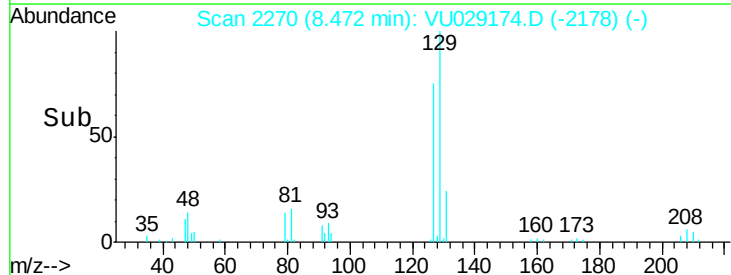
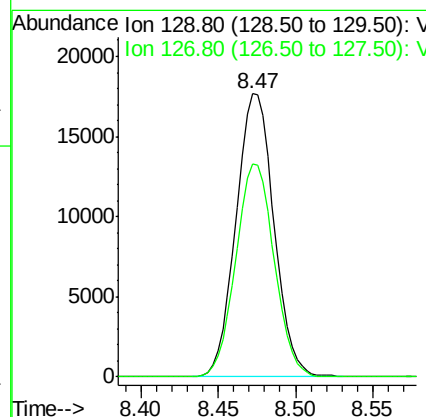
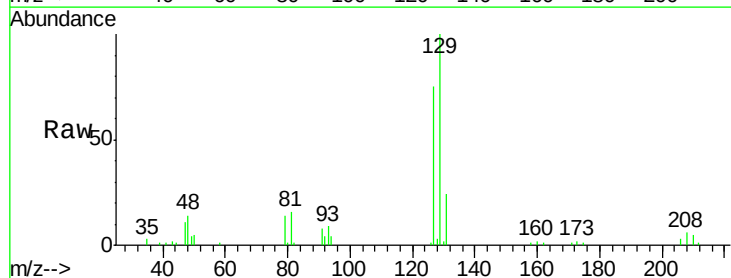
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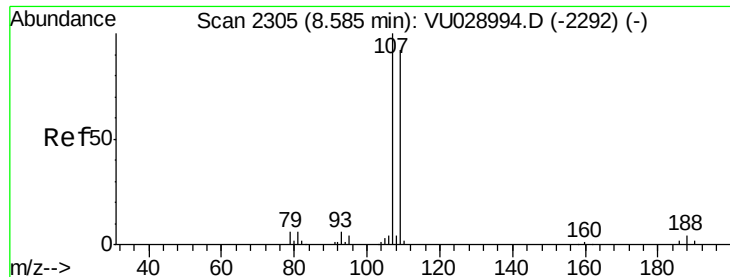
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#60
 Dibromochloromethane
 Concen: 21.300 ug/l
 RT: 8.47 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	129	Resp	30136
Ion Ratio	100	Lower	Upper
129	100		
127	76.1	38.0	114.0





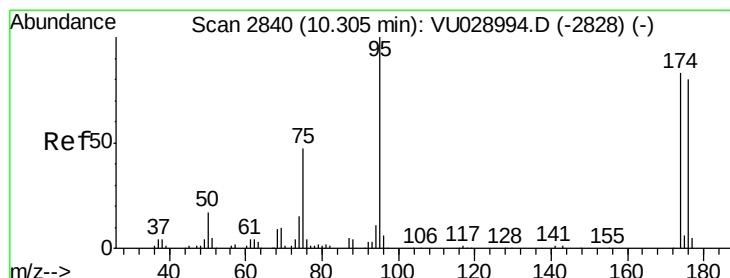
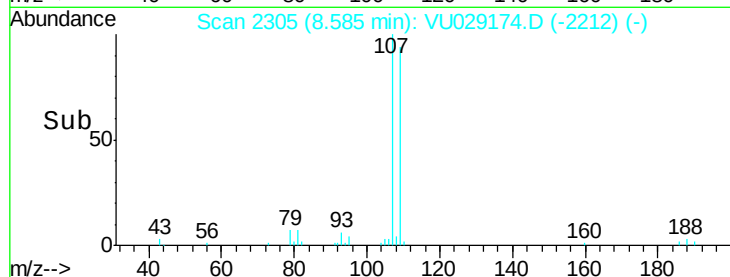
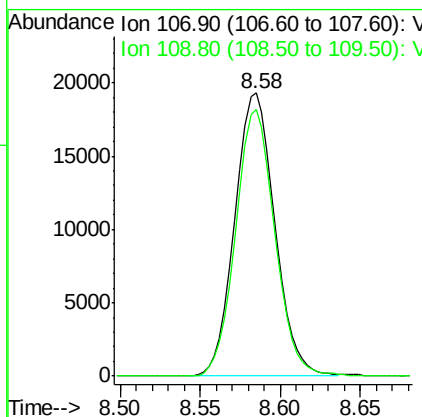
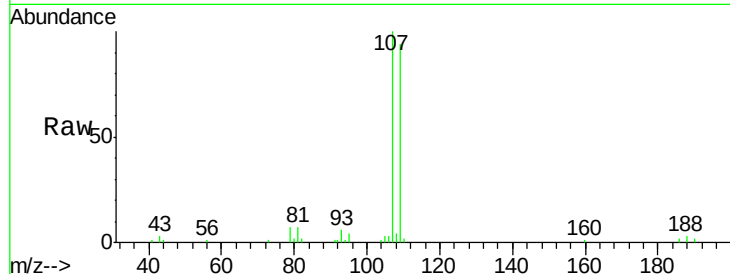
#61
 1,2-Dibromoethane
 Concen: 21.239 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.5	113.3

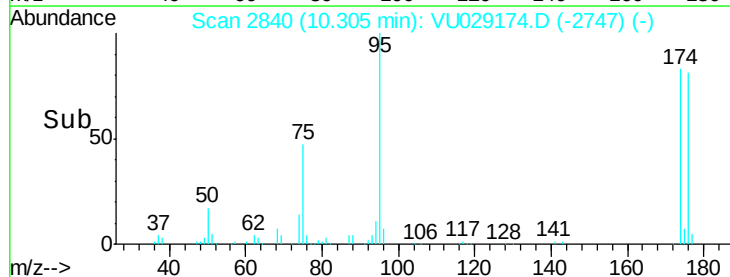
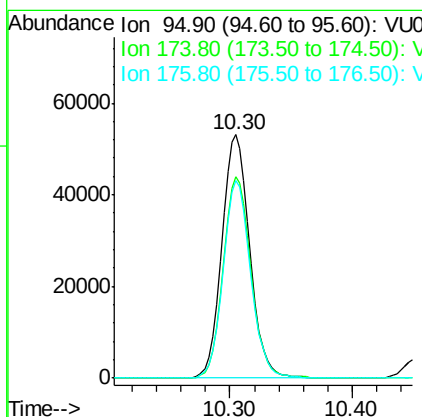
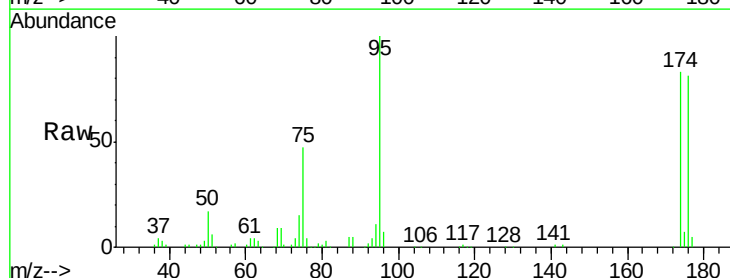
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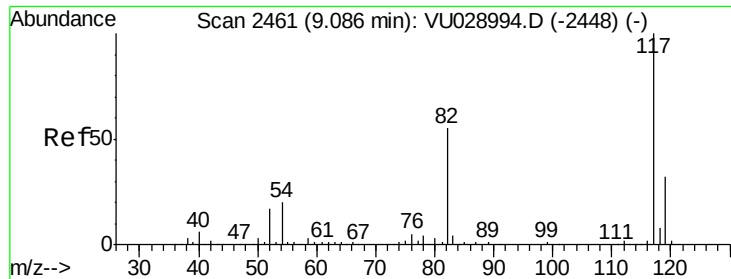
MMDadoda
 1/16/2019 9:41:54 AM



#62
 4-Bromofluorobenzene
 Concen: 49.274 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	170.6
176	80.2	0.0	165.0





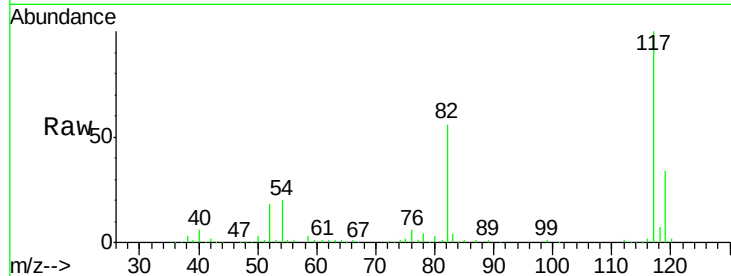
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

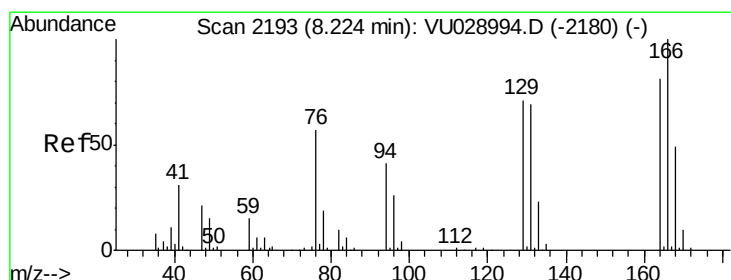
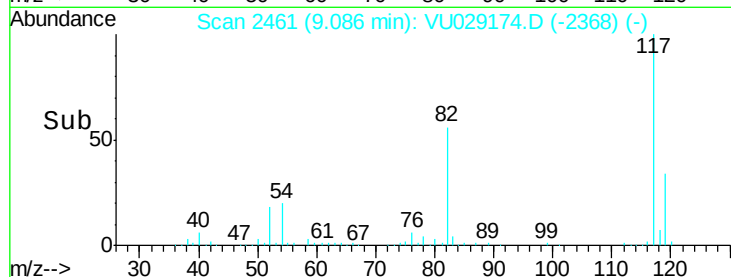
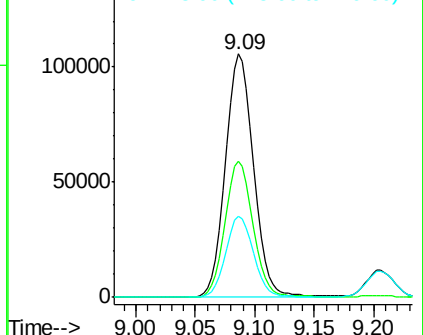
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.9	65.9
119	33.5	26.0	39.0

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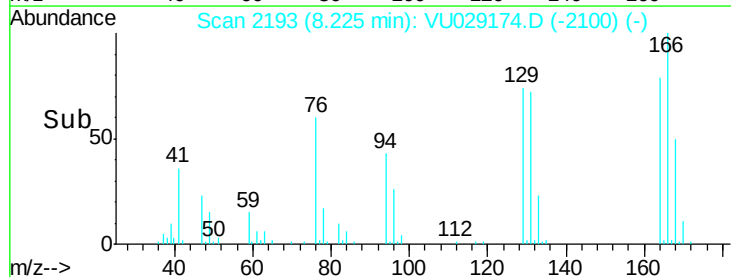
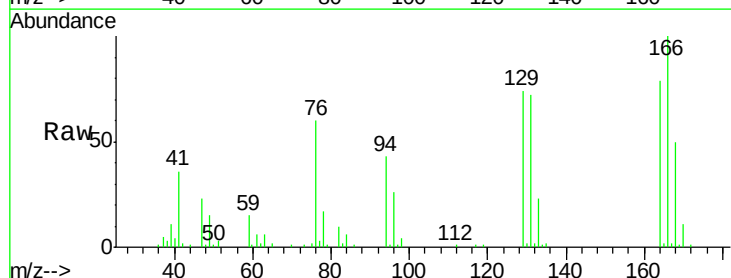
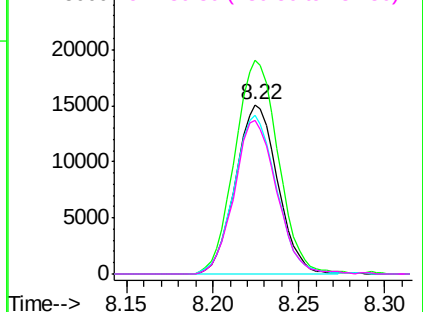
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

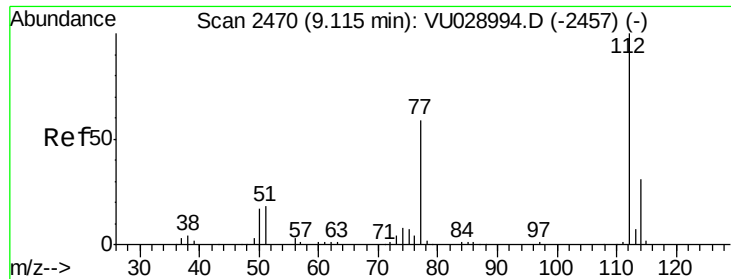


#64
Tetrachloroethene
Concen: 20.477 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.4	149.0
129	94.0	70.5	105.7
131	90.8	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: 20.228 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion:112 Resp: 79144

Ion Ratio Lower Upper

112 100

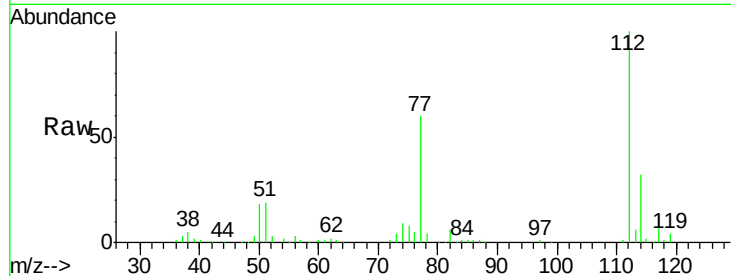
114 32.2 25.0 37.6

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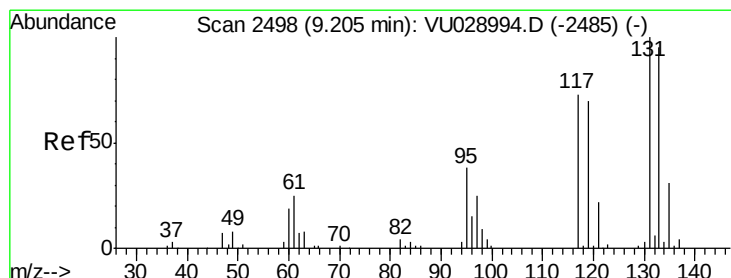
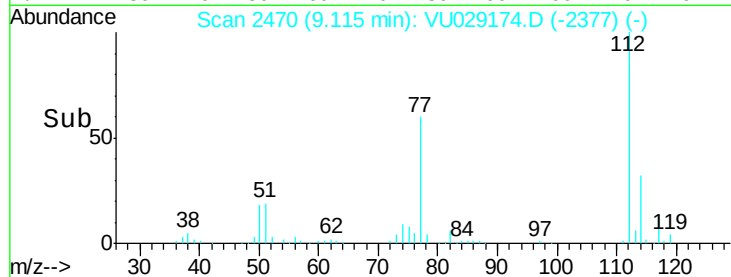
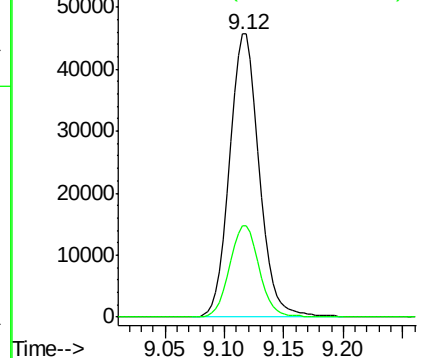
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.086 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

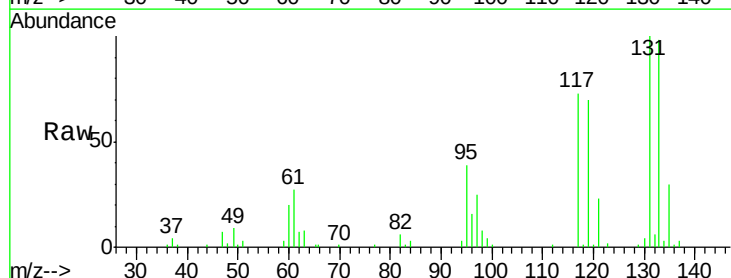
Tgt Ion:131 Resp: 26774

Ion Ratio Lower Upper

131 100

133 98.3 48.2 144.6

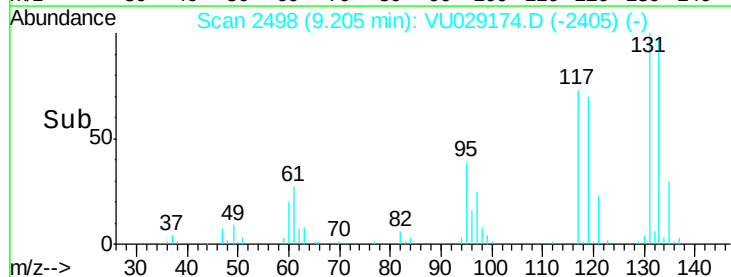
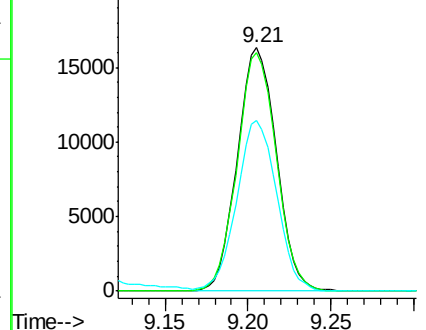
119 71.9 35.4 106.3

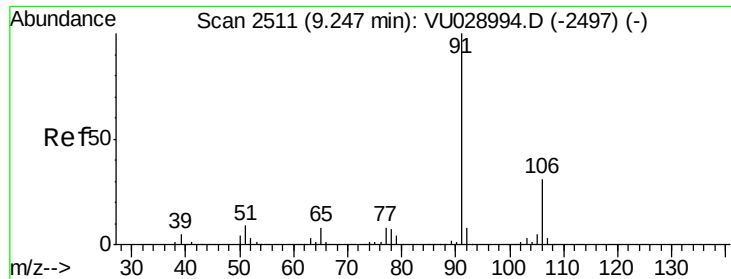


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





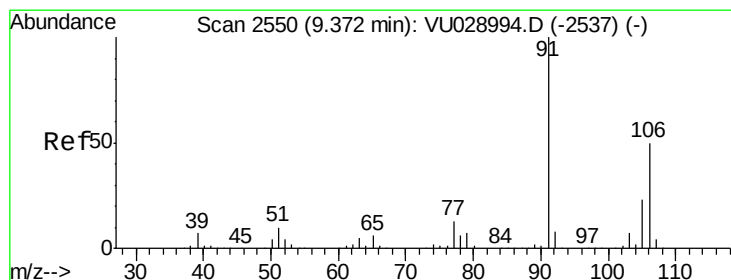
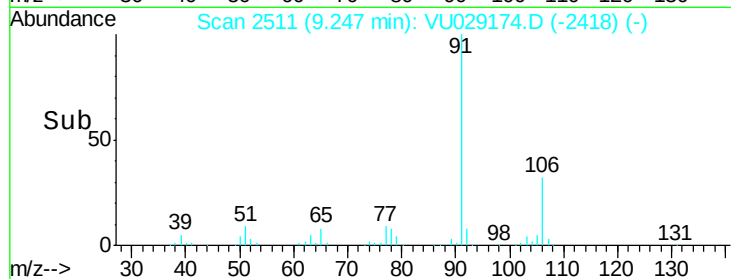
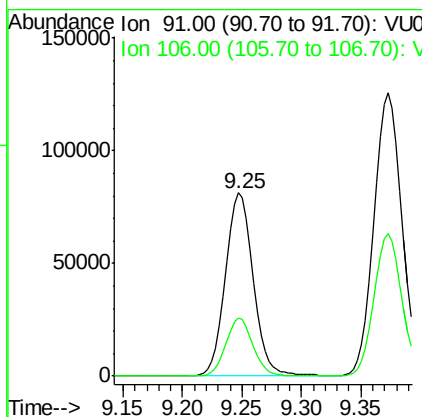
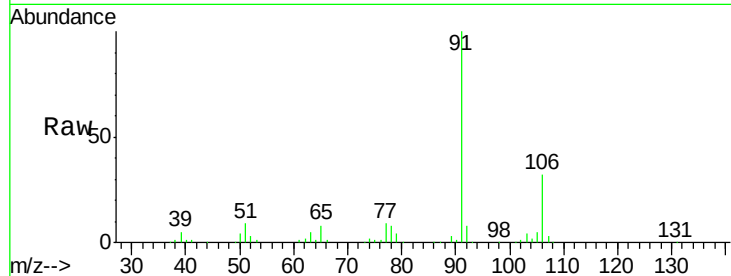
#67
Ethyl Benzene
Concen: 20.321 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
VU0115WBS01

Tot Ion: 91 Resp: 132742
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

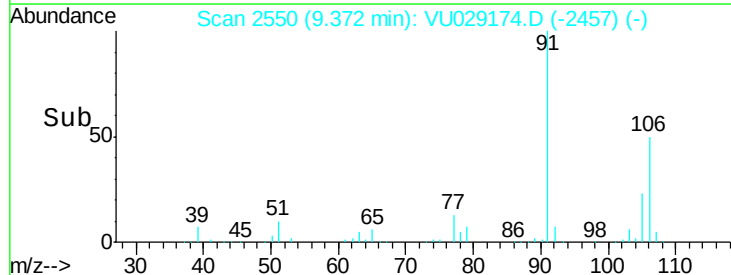
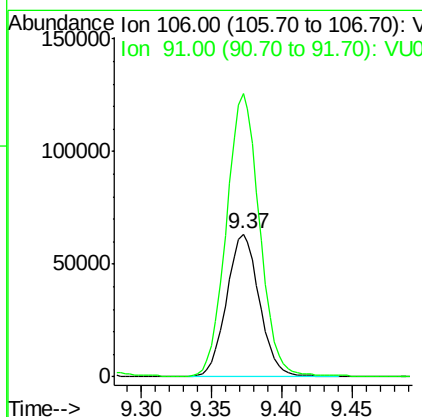
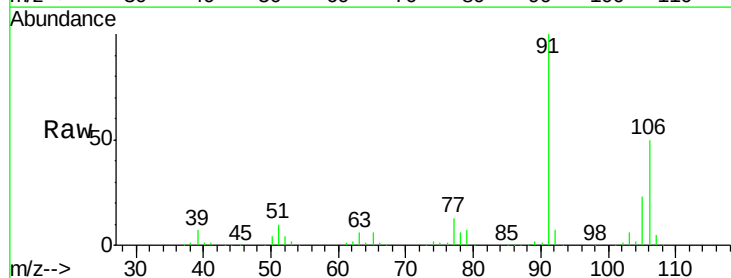
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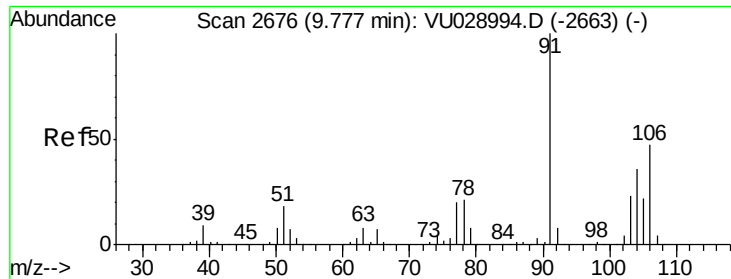
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#68
m/p-Xylenes
Concen: 40.524 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion: 106 Resp: 102855
Ion Ratio Lower Upper
106 100
91 202.5 161.7 242.5





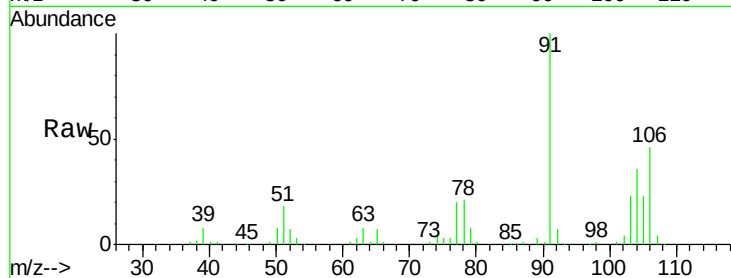
#69
o-Xylene
Concen: 20.311 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

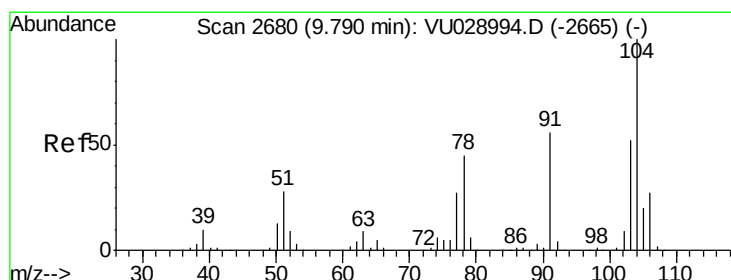
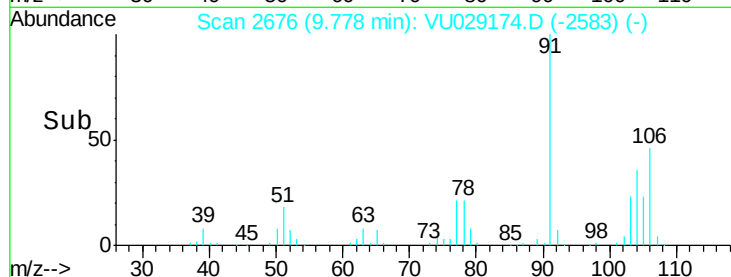
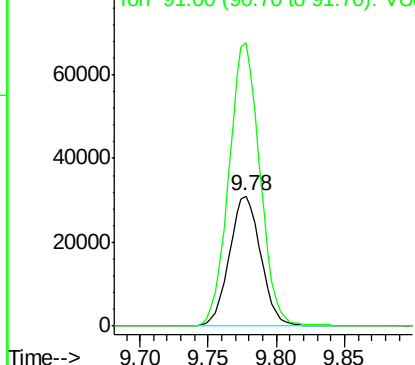
Tot Ion:106 Resp: 49673
Ion Ratio Lower Upper
106 100
91 215.9 106.1 318.3

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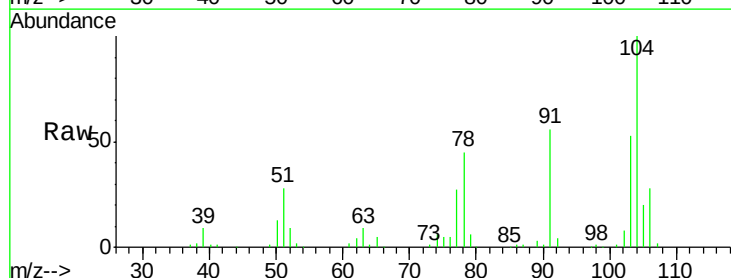


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

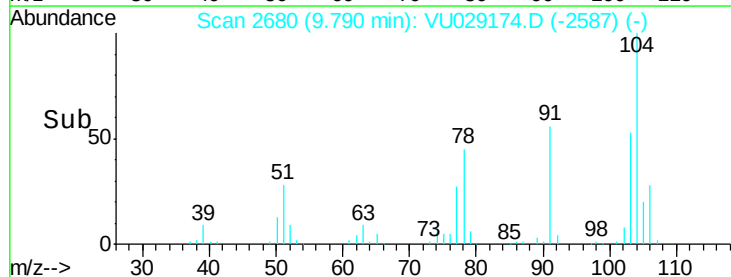
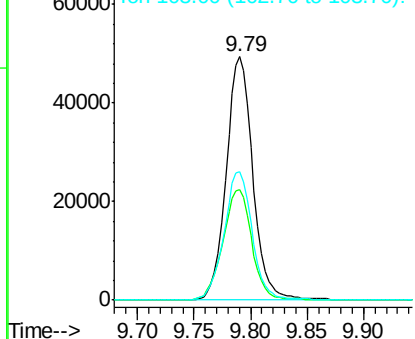


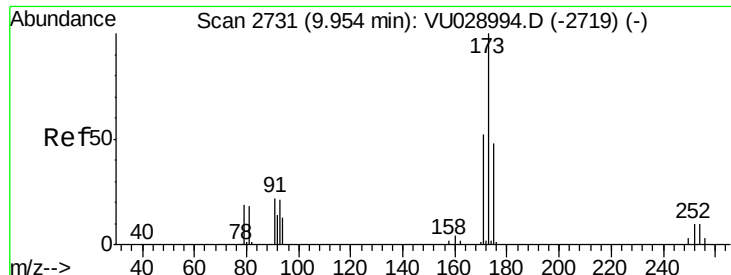
#70
Styrene
Concen: 20.184 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion:104 Resp: 80922
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 56.0 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: 20.649 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion:173 Resp: 23346

Ion Ratio Lower Upper

173 100

175 47.8 23.8 71.2

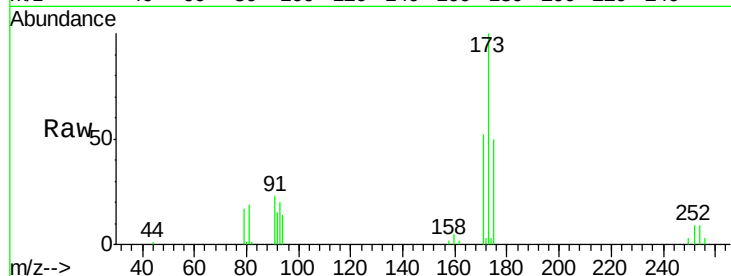
254 0.0 0.0 0.0

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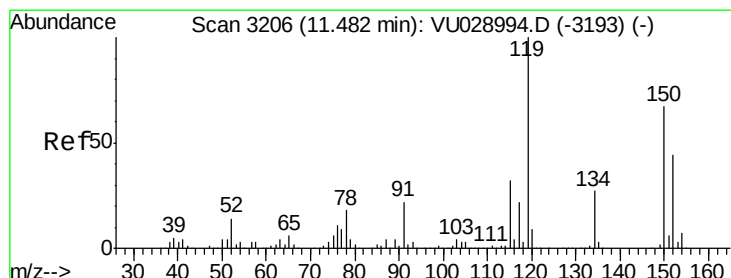
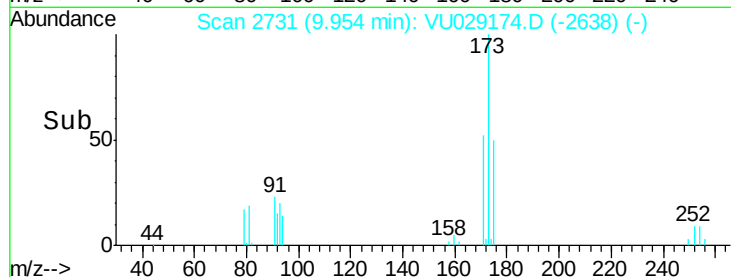
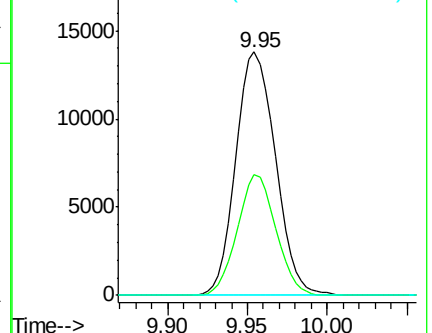
1/16/2019 9:41:54 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

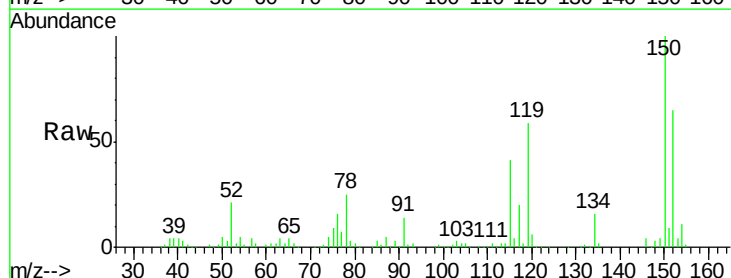
Tgt Ion:152 Resp: 84811

Ion Ratio Lower Upper

152 100

115 66.9 40.1 120.3

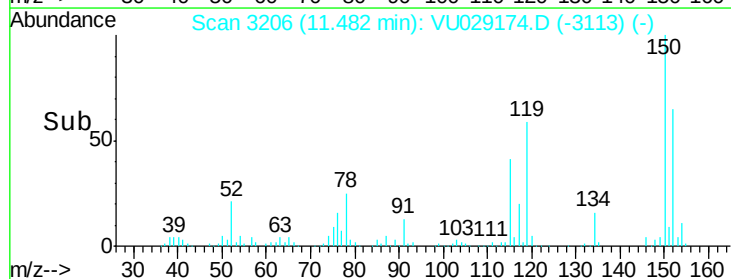
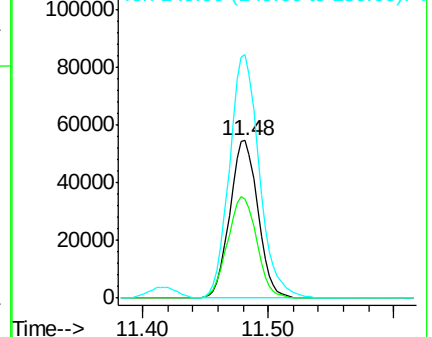
150 162.9 0.0 345.2

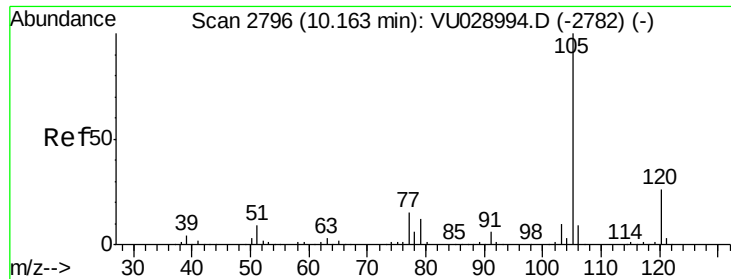


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.040 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 105 Resp: 132079

Ion Ratio Lower Upper

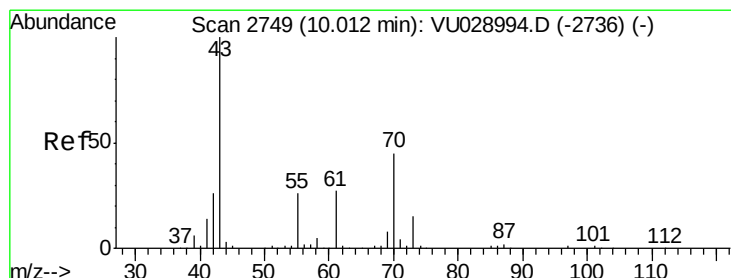
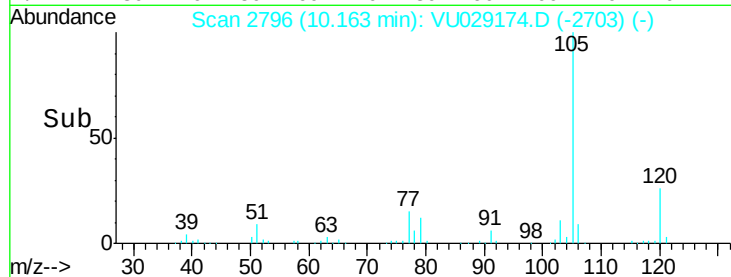
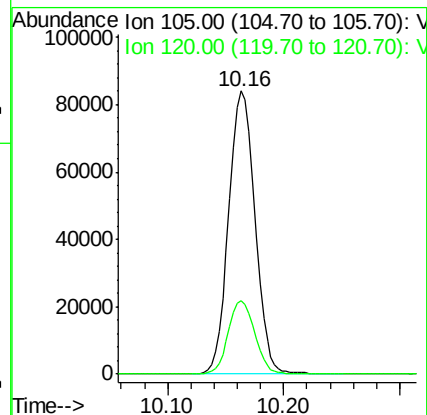
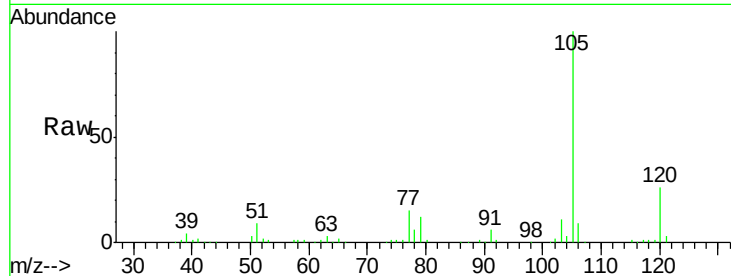
105 100

120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.654 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Tgt Ion: 43 Resp: 55871

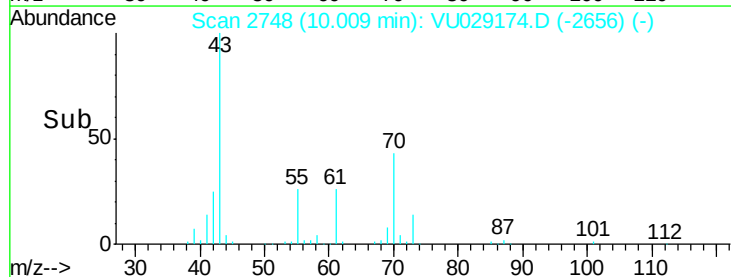
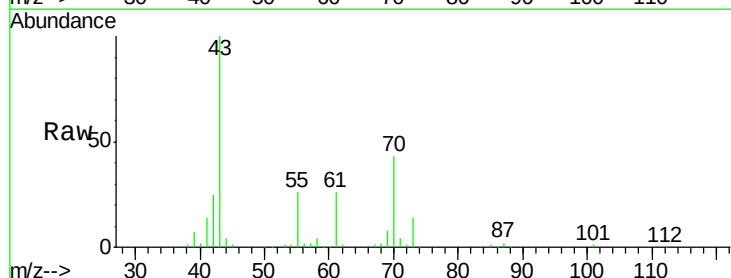
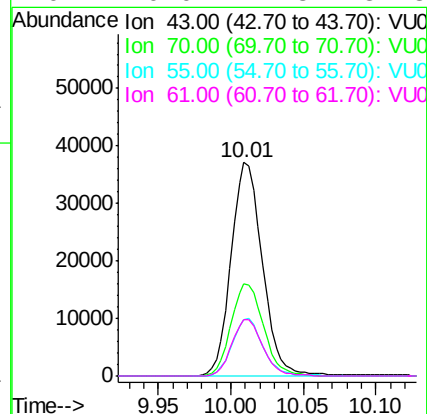
Ion Ratio Lower Upper

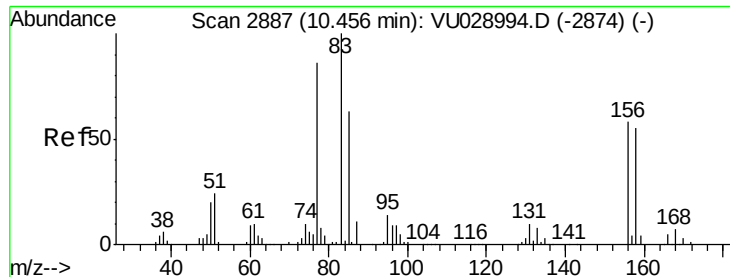
43 100

70 44.3 36.3 54.5

55 26.4 20.5 30.7

61 26.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.045 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 83 Resp: 52948

Ion Ratio Lower Upper

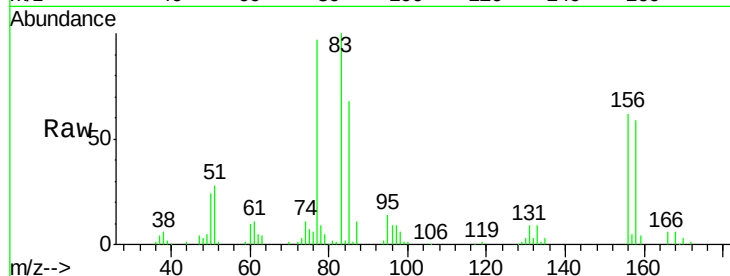
83 100

131 9.2 4.7 14.1

85 65.9 32.0 96.2

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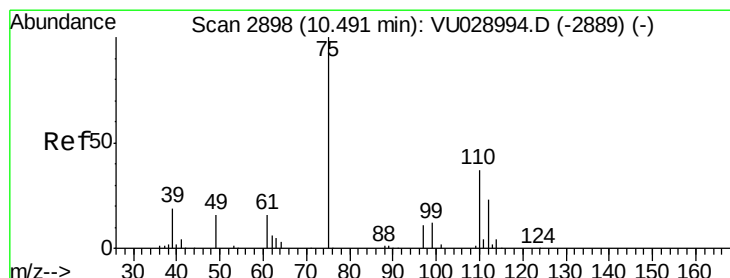
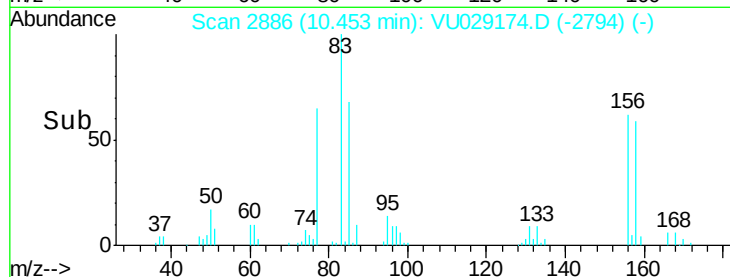
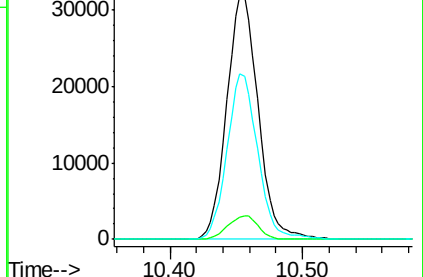
MMDadoda
1/16/2019 9:41:54 AM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 22.237 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029174.D

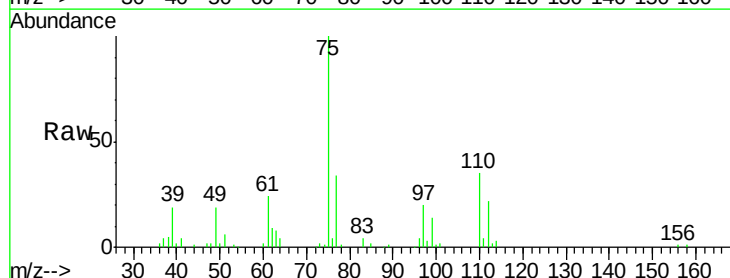
Acq: 15 Jan 2019 10:41

Tgt Ion: 75 Resp: 46208

Ion Ratio Lower Upper

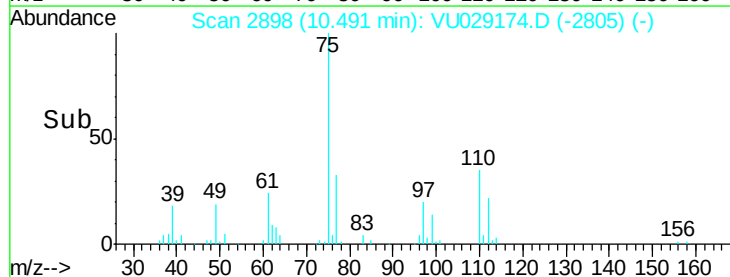
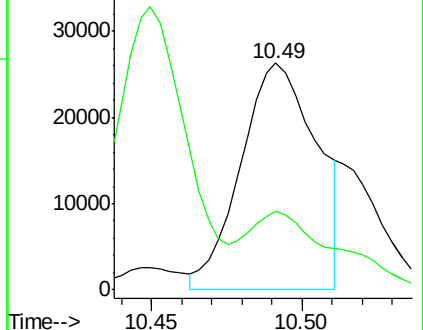
75 100

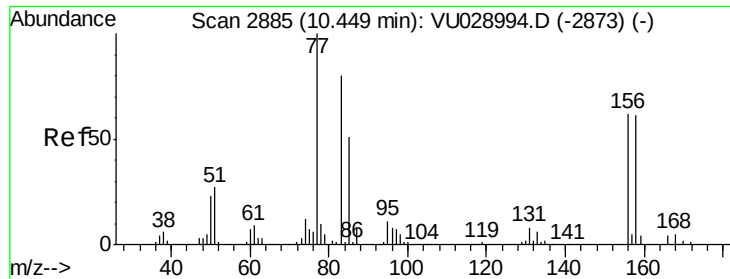
77 39.4 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.361 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion:156 Resp: 33309

Ion Ratio Lower Upper

156 100

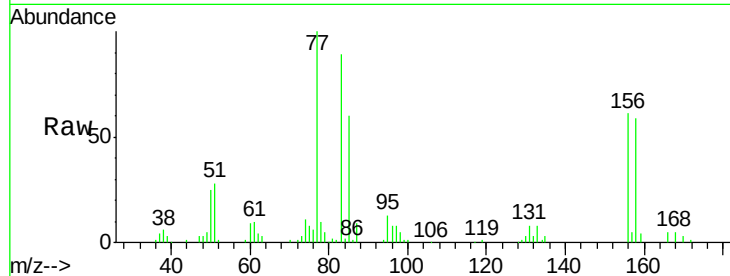
77 160.6 79.0 237.2

158 97.9 48.9 146.6

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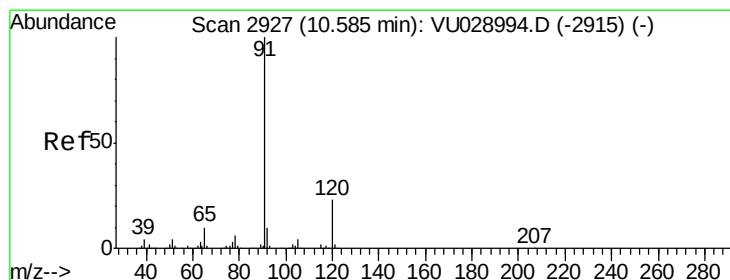
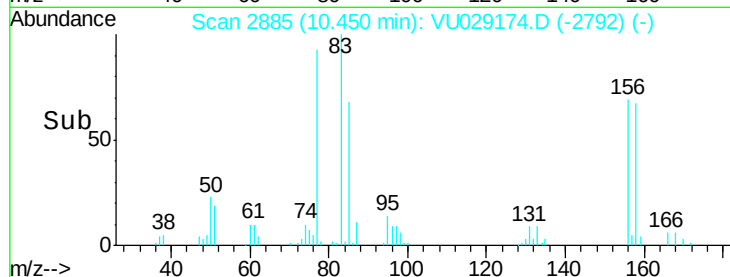
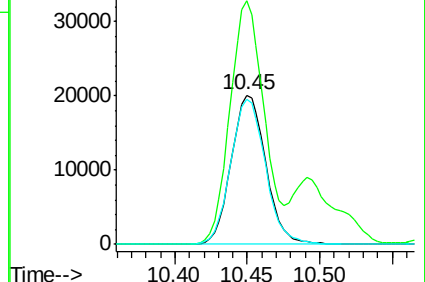
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.936 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029174.D

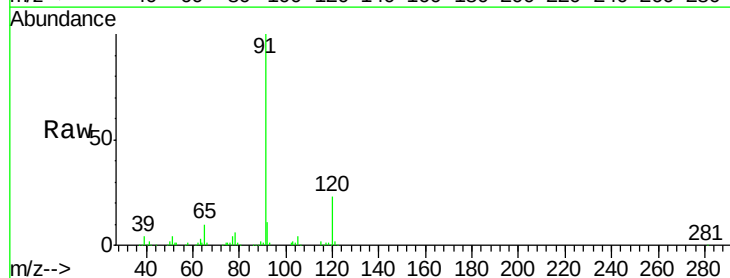
Acq: 15 Jan 2019 10:41

Tgt Ion: 91 Resp: 154886

Ion Ratio Lower Upper

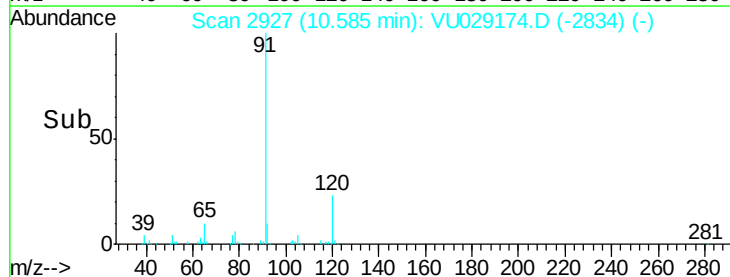
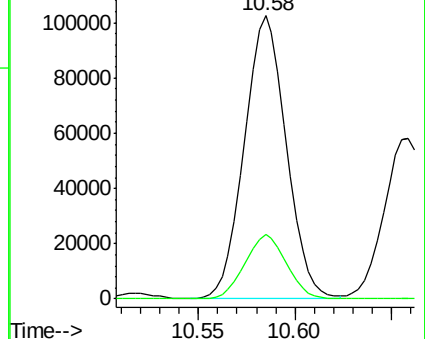
91 100

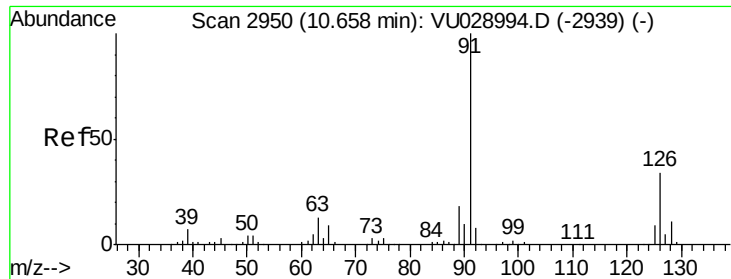
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.986 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion: 91 Resp: 94178

Ion Ratio Lower Upper

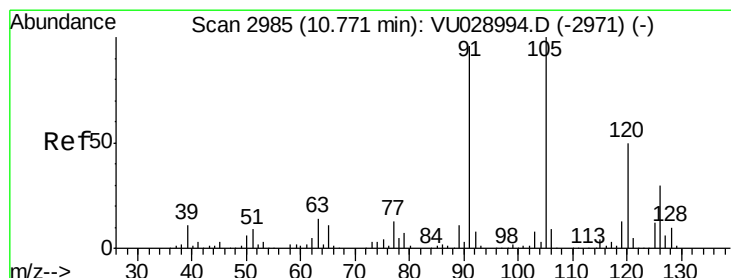
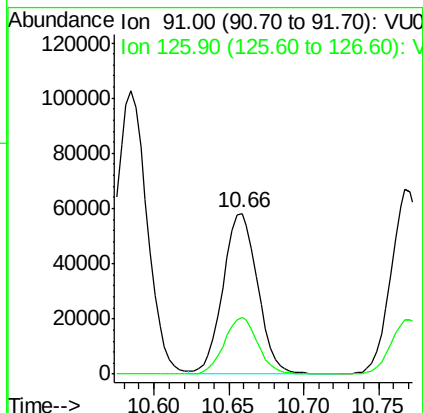
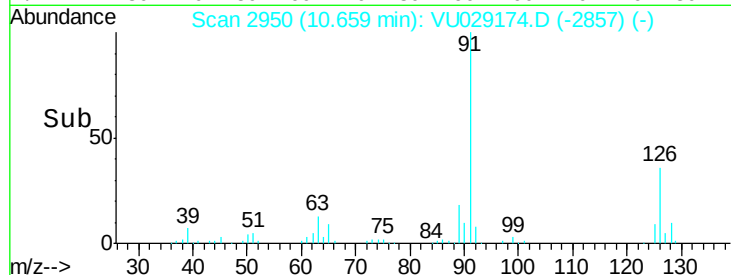
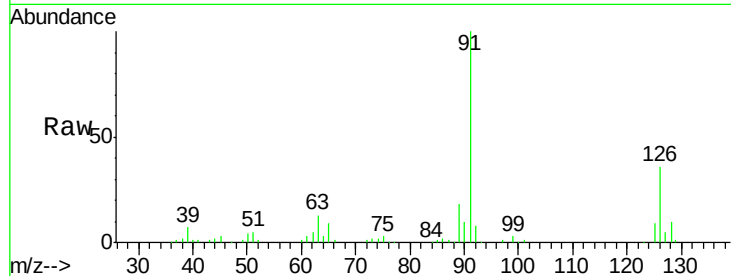
91 100

126 34.1 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.123 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029174.D

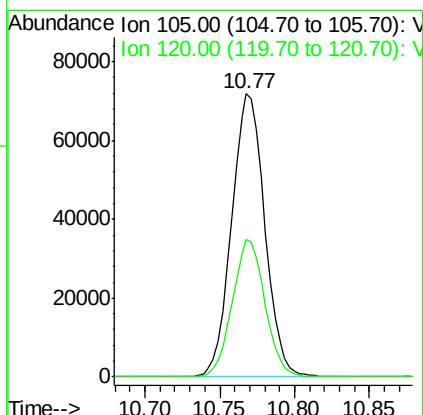
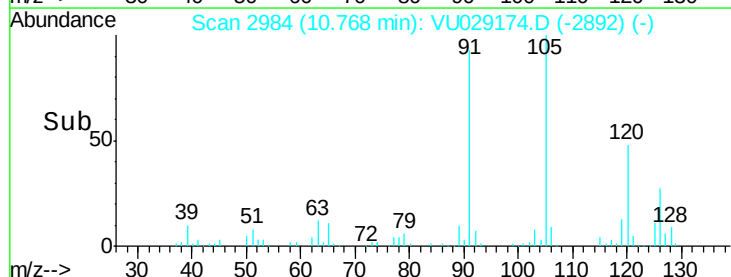
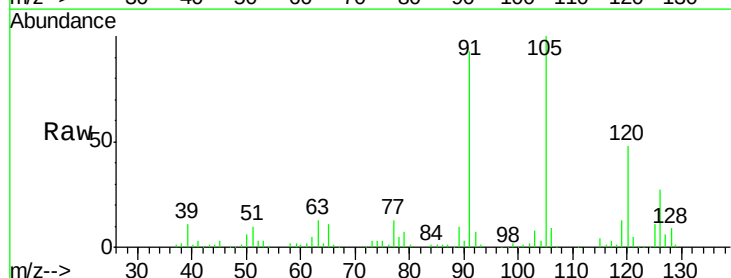
Acq: 15 Jan 2019 10:41

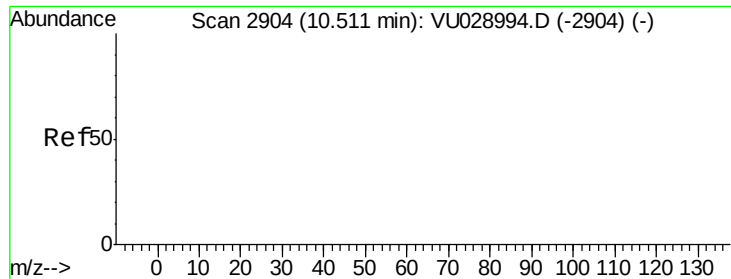
Tgt Ion: 105 Resp: 110732

Ion Ratio Lower Upper

105 100

120 47.6 24.8 74.4





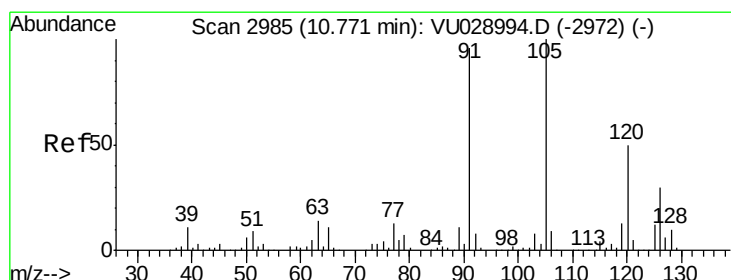
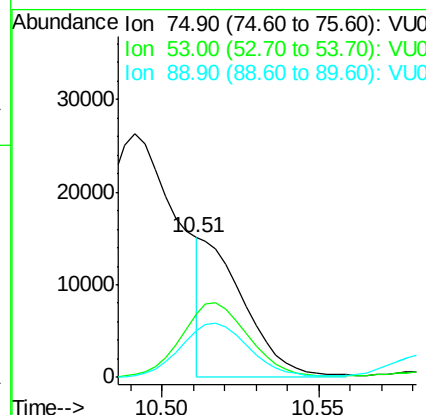
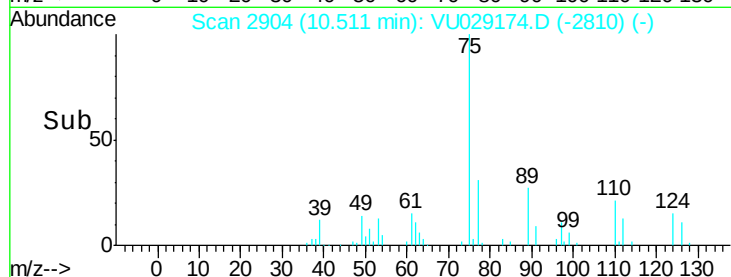
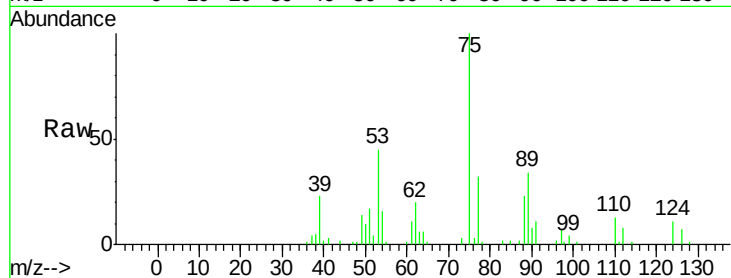
#81
trans-1,4-Dichloro-2-butene
Concen: 17.899 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

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

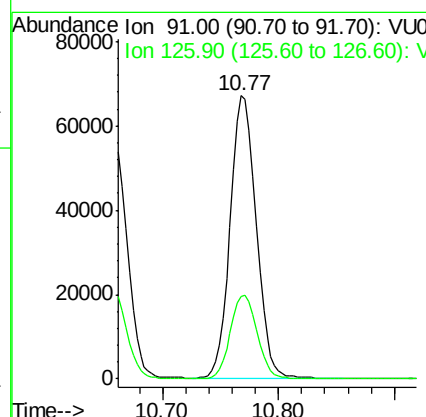
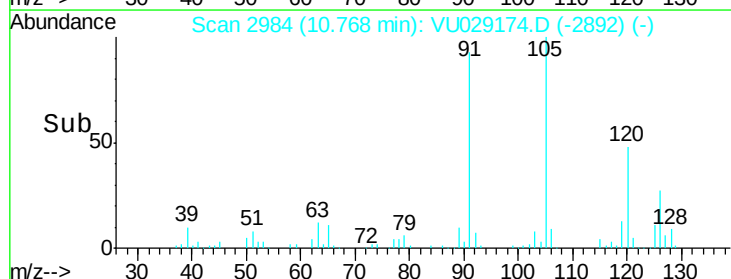
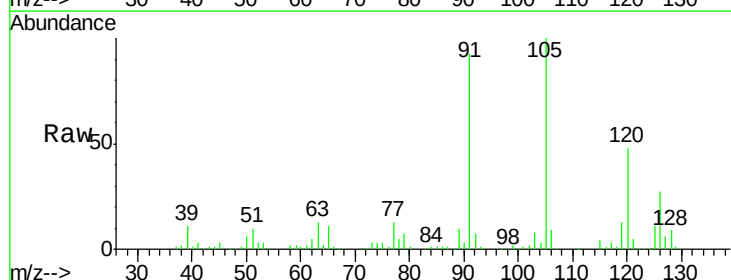
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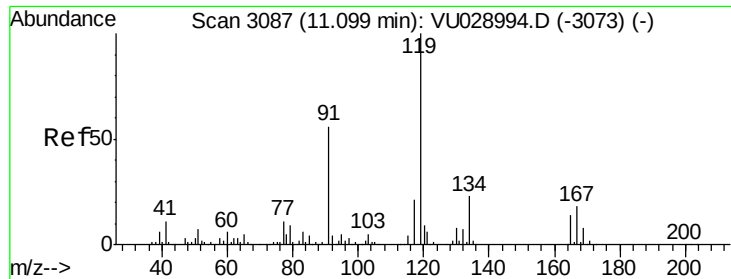
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.326 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.5	46.5





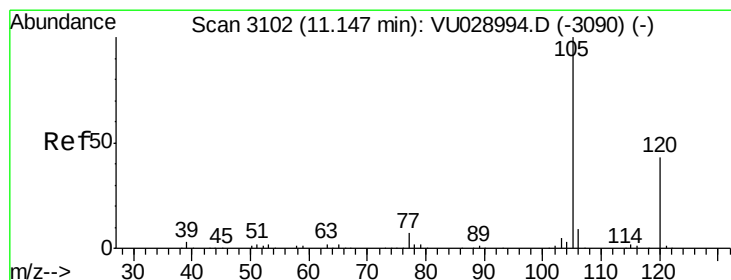
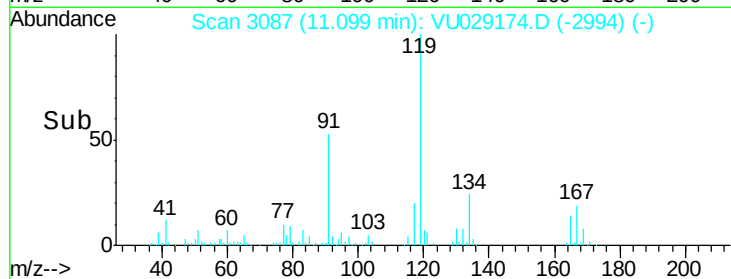
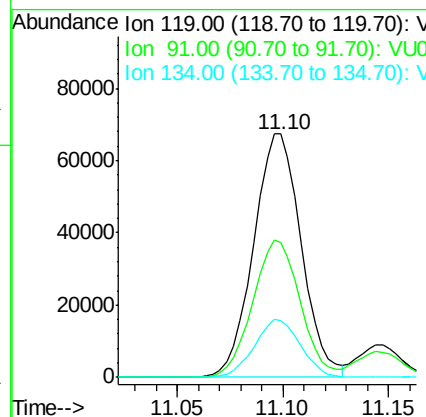
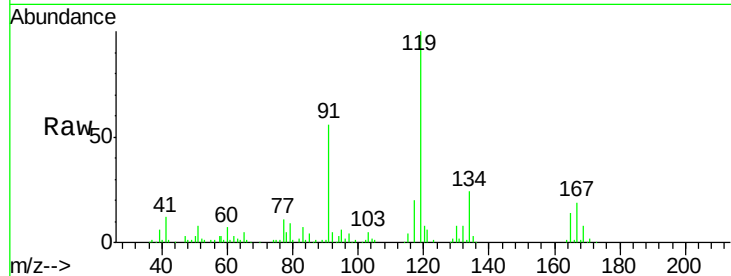
#83
 tert-Butylbenzene
 Concen: 20.487 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	105853		
91	56.2		28.2	84.6
134	23.0		11.3	33.8

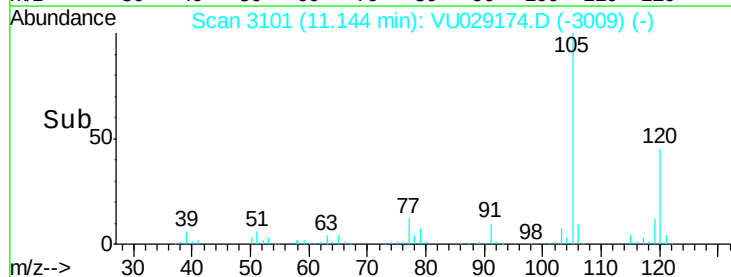
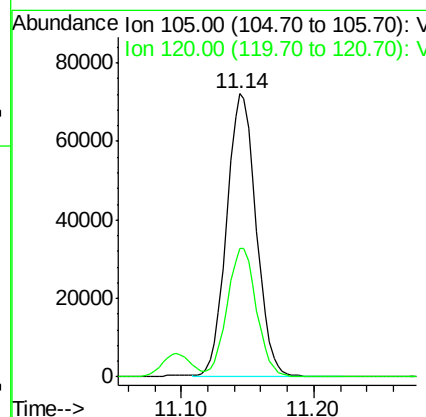
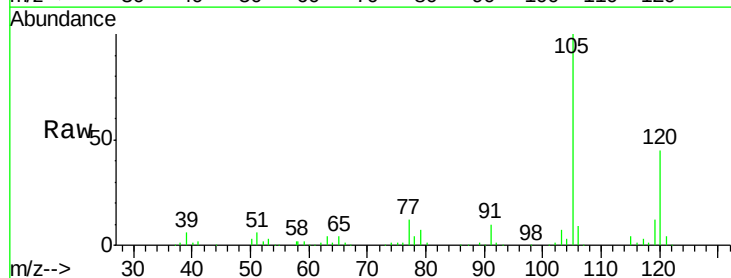
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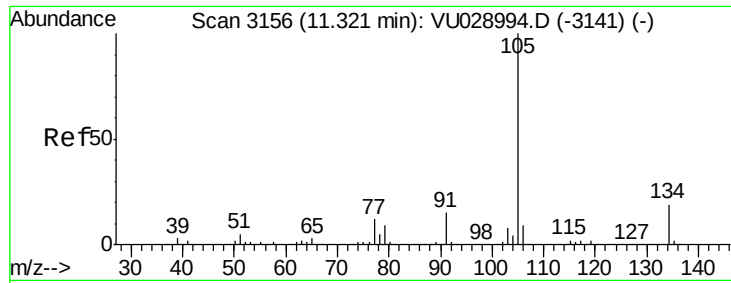
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.330 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	111637		
120	45.1		23.1	69.3





#85

sec-Butylbenzene

Concen: 21.230 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

VU0115WBS01

Tot Ion:105 Resp: 132659

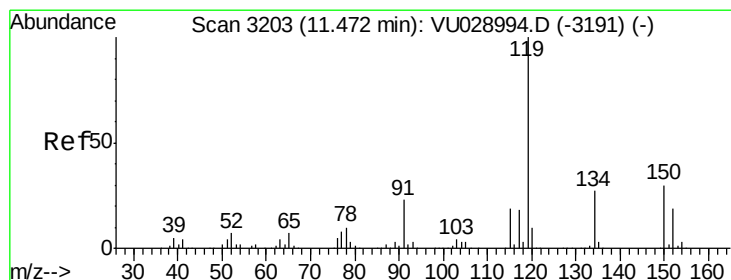
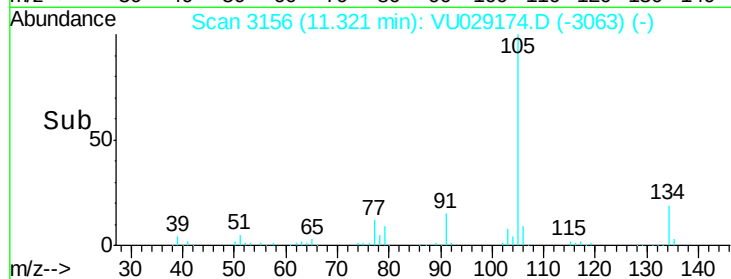
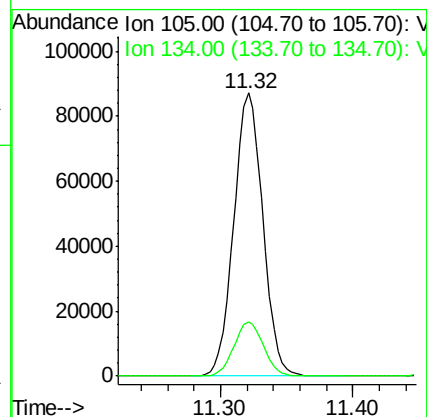
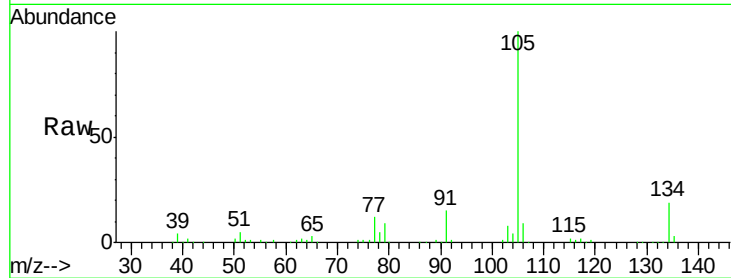
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.069 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029174.D

Acq: 15 Jan 2019 10:41

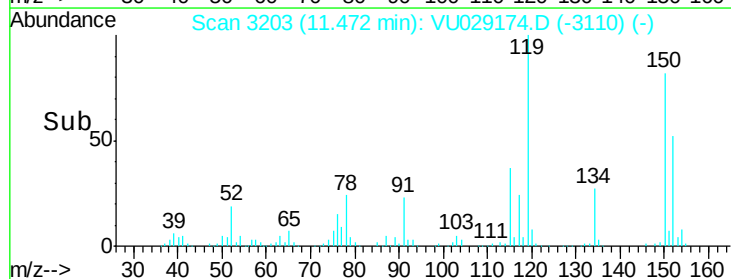
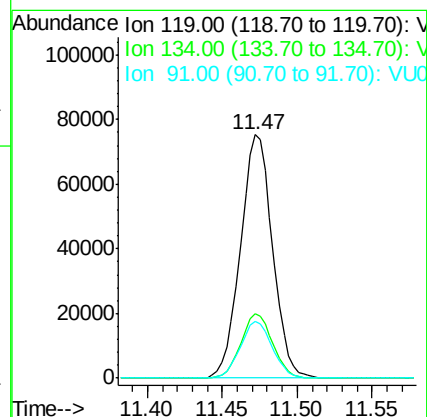
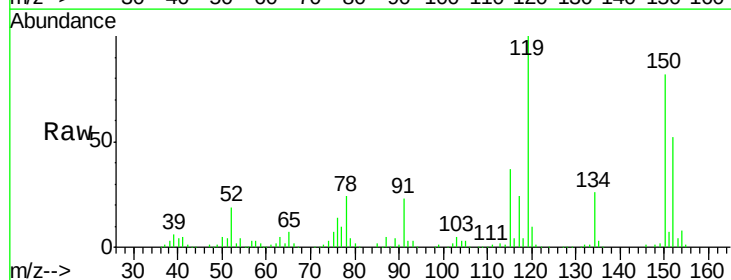
Tgt Ion:119 Resp: 112185

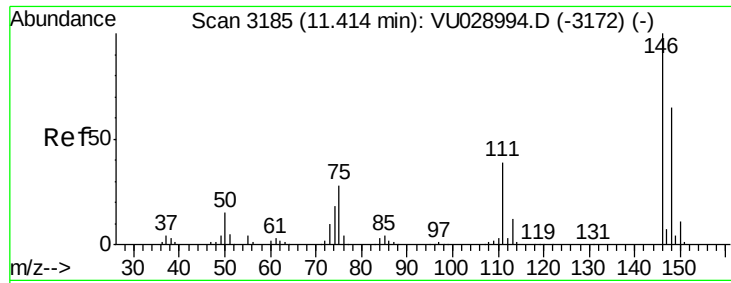
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

91 23.2 11.3 33.8





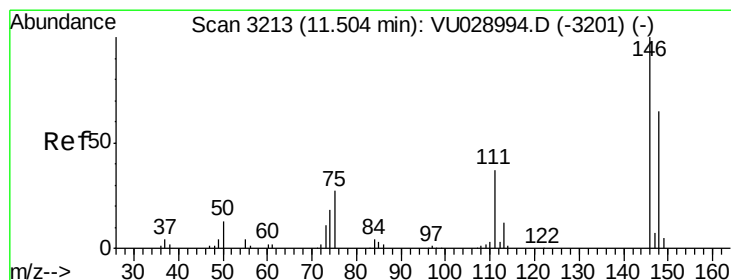
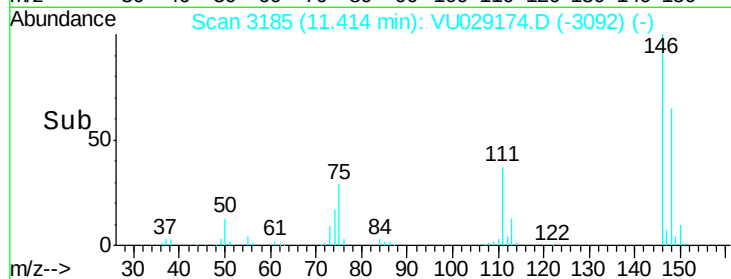
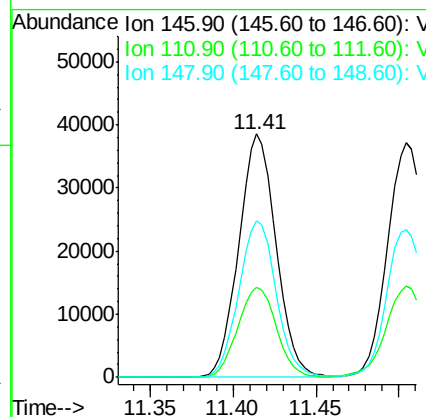
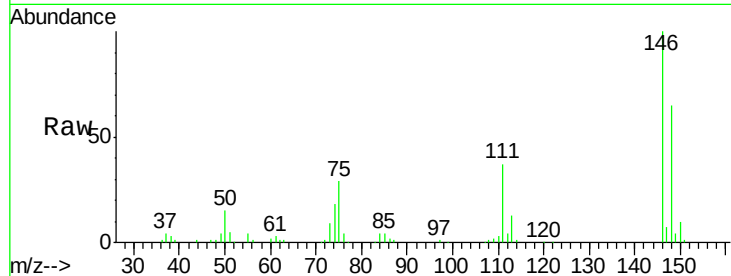
#87
 1,3-Dichlorobenzene
 Concen: 20.196 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	64.3	32.5	97.5

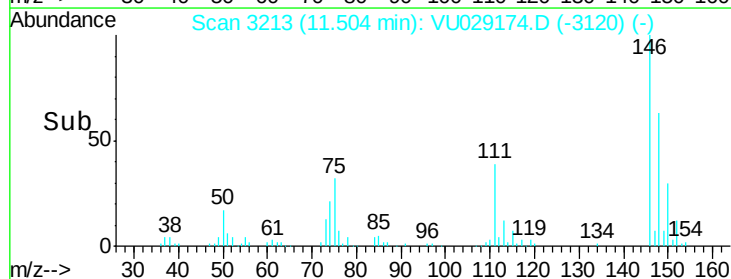
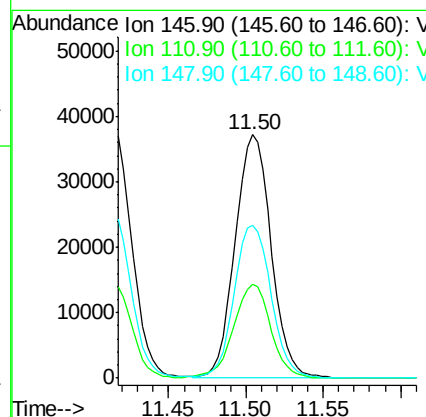
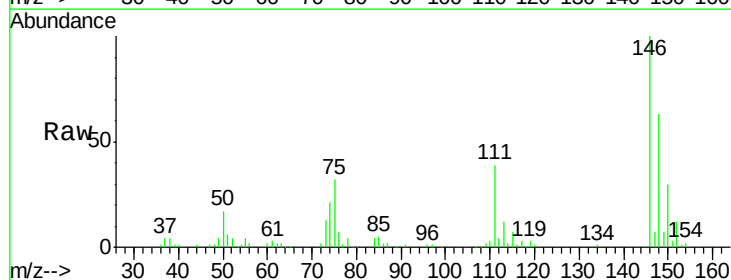
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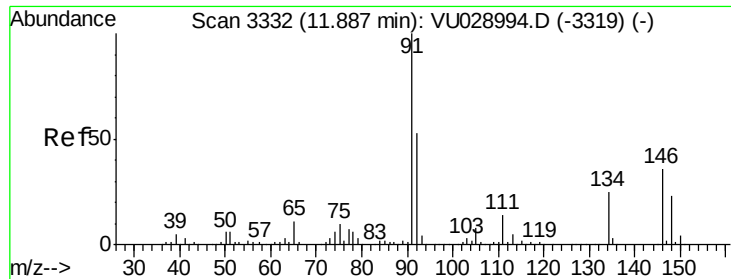
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#88
 1,4-Dichlorobenzene
 Concen: 19.288 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.3
148	64.7	32.6	98.0





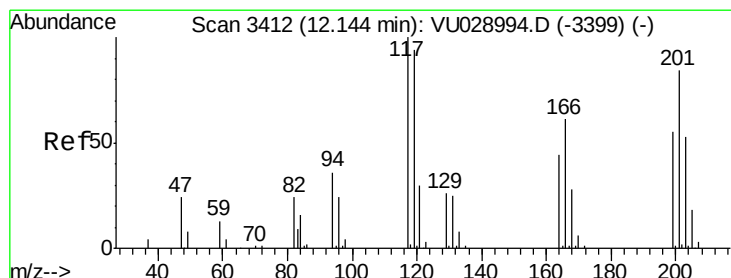
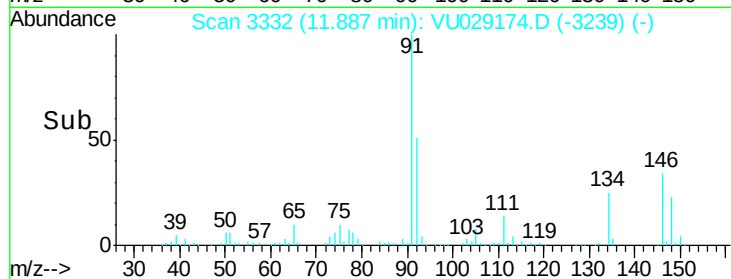
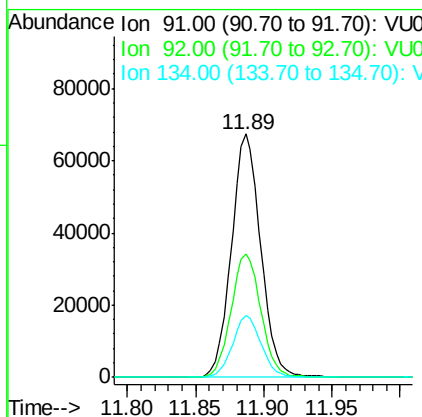
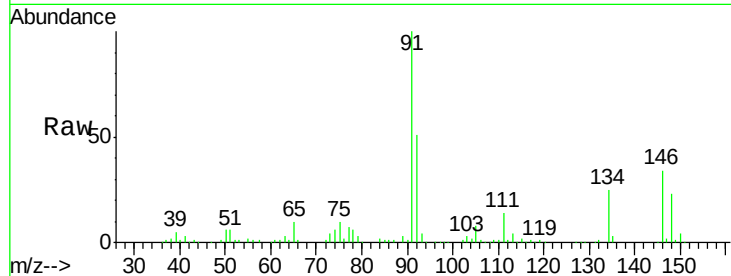
#89
n-Butylbenzene
Concen: 21.113 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	24.8	12.6	37.6

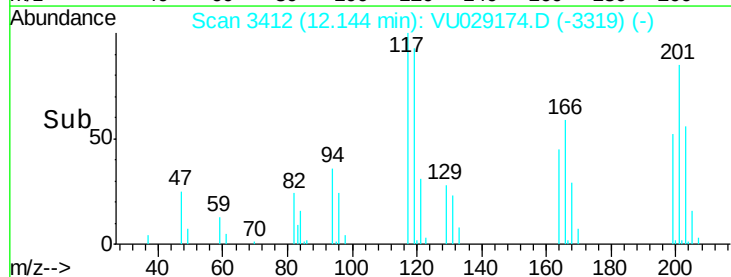
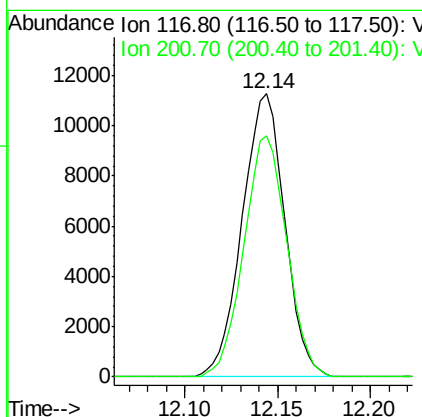
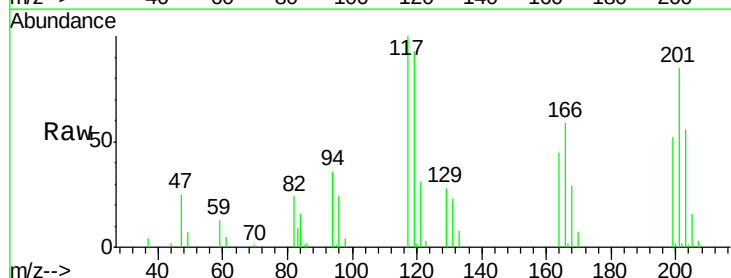
Manual Integrations
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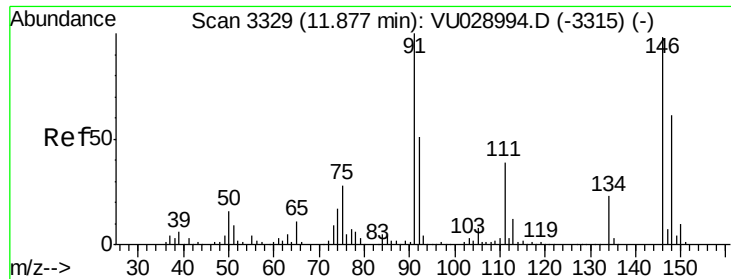
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#90
Hexachloroethane
Concen: 20.074 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	42.4	127.3





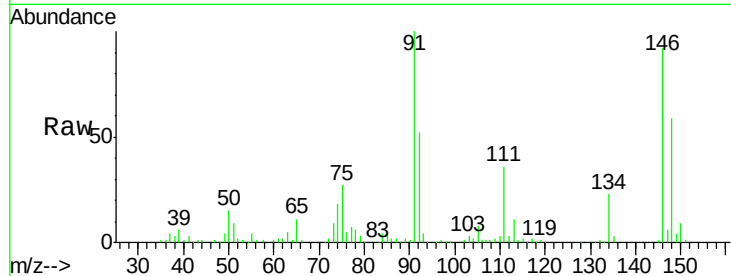
#91
 1,2-Dichlorobenzene
 Concen: 19.870 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 VU0115WBS01

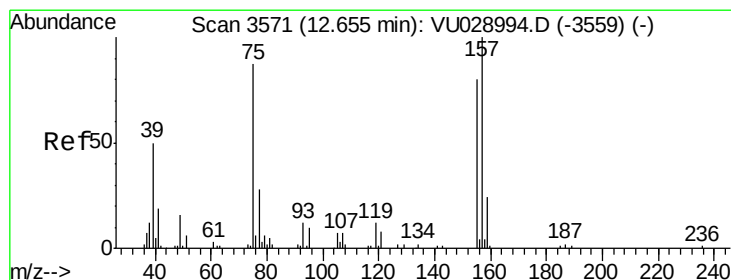
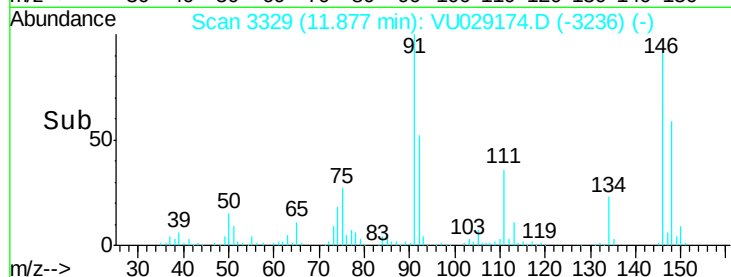
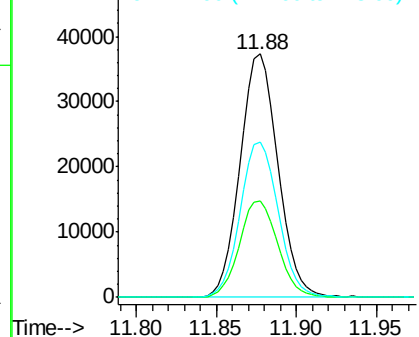
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.2	31.6	94.8

Manual Integrations
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 1/16/2019 9:41:54 AM

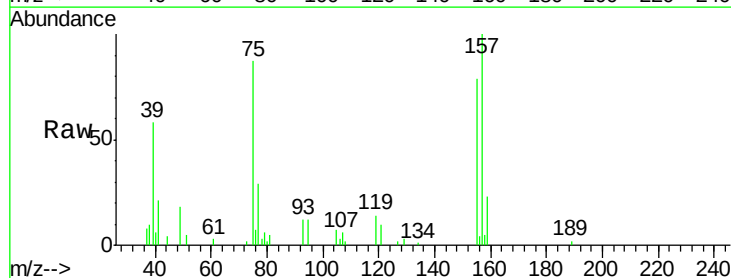


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

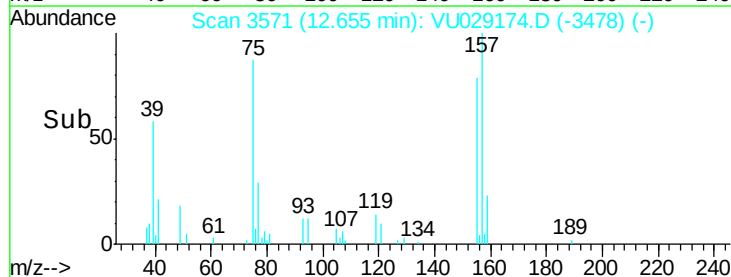
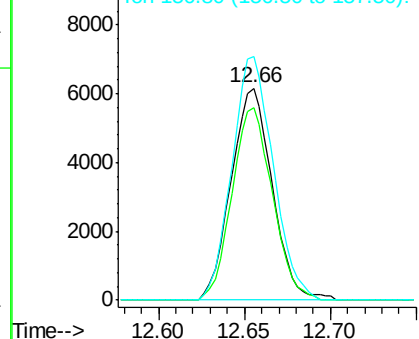


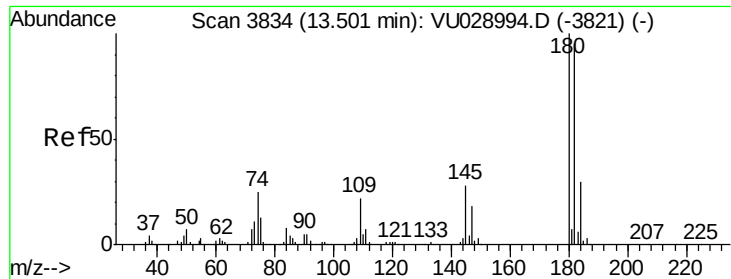
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.238 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	46.3	138.8
157	115.6	57.4	172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





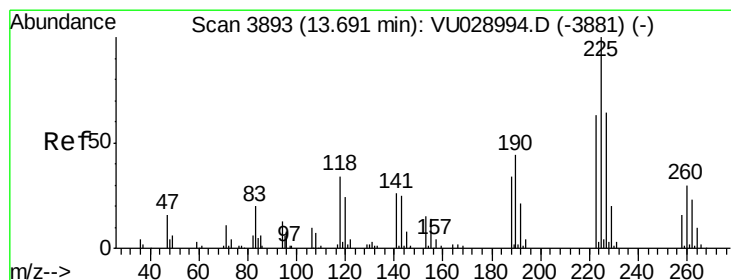
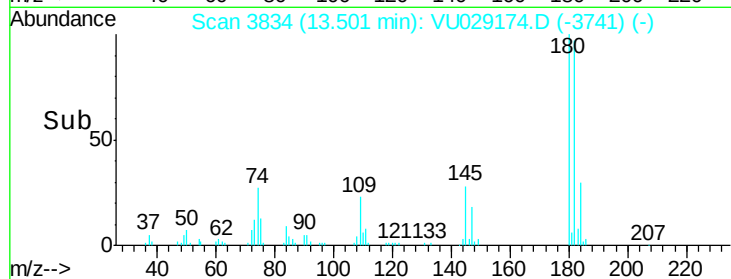
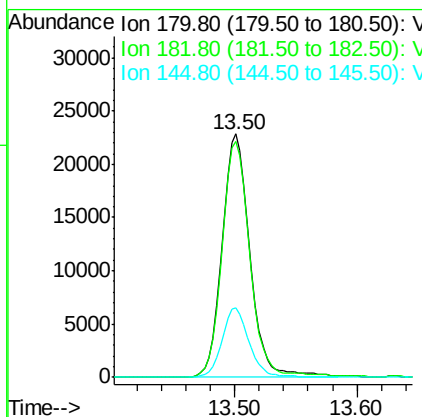
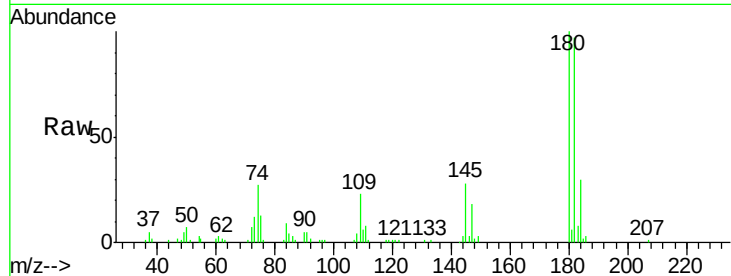
#93
 1,2,4-Trichlorobenzene
 Concen: 19.050 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.6
145	27.5	14.0	42.0

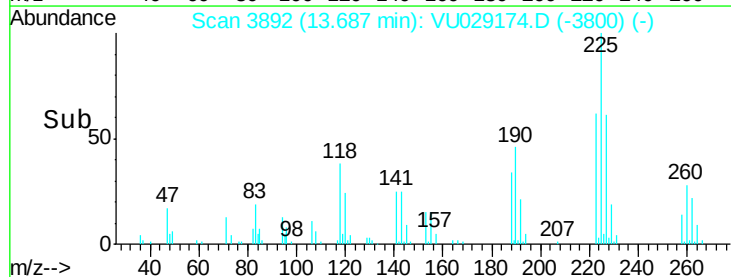
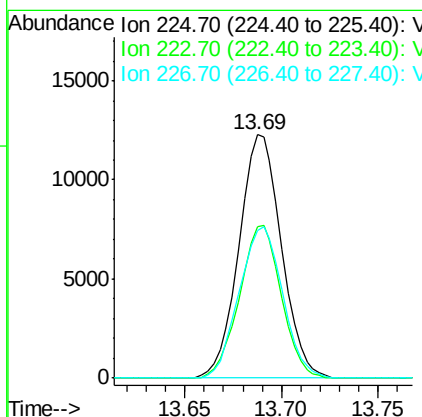
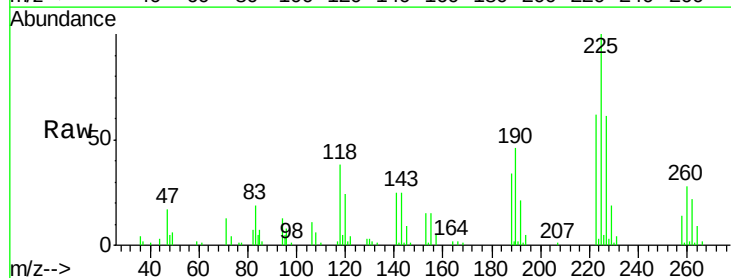
Manual Integrations
 APPROVED

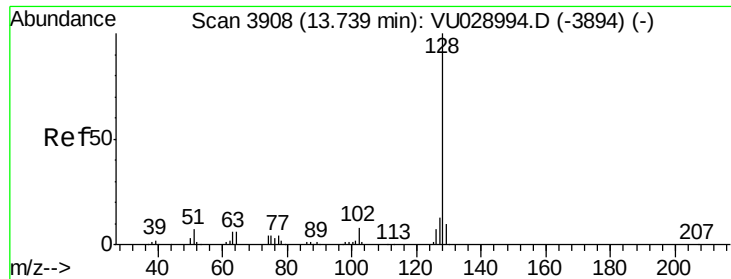
MMDadoda
 1/16/2019 9:41:54 AM



#94
 Hexachlorobutadiene
 Concen: 21.243 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU029174.D
 Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.0
227	63.8	31.9	95.5





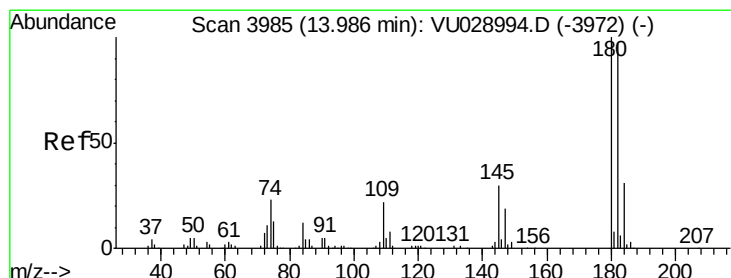
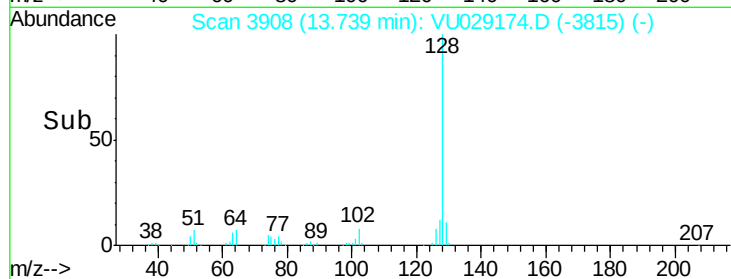
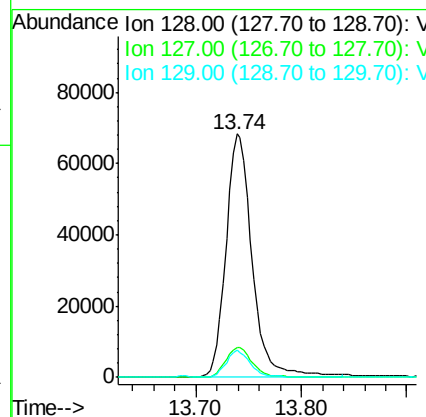
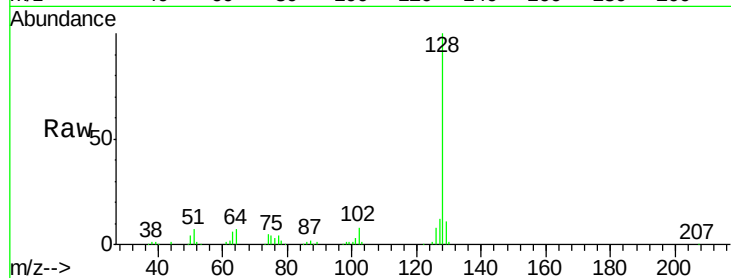
#95
Naphthalene
Concen: 17.878 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
VU0115WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:41:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.503 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029174.D
Acq: 15 Jan 2019 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.1	144.3
145	30.1	14.8	44.4

