

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029238.D
 Acq On : 21 Jan 2019 10:56
 Operator : JC/SP
 Sample : VU0121WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:12 AM

Quant Time: Jan 22 01:34:21 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	111900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181925	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	69999	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	
35) Dibromofluoromethane	4.88	113	60909	51.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.30%	
50) Toluene-d8	7.56	98	232353	49.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	10.31	95	77498	46.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	19416	17.496	ug/l	99
3) Chloromethane	1.33	50	29550	16.211	ug/l	99
4) Vinyl Chloride	1.41	62	29733	18.181	ug/l	99
5) Bromomethane	1.62	94	17191	18.535	ug/l	100
6) Chloroethane	1.70	64	17372	17.834	ug/l	98
7) Trichlorofluoromethane	1.89	101	33115	18.583	ug/l	98
8) Diethyl Ether	2.10	74	15437	18.031	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21563	18.085	ug/l	97
10) Methyl Iodide	2.41	142	23596	21.047	ug/l	99
11) Tert butyl alcohol	2.82	59	35472	100.883	ug/l	99
12) 1,1-Dichloroethene	2.29	96	20357	17.541	ug/l	92
13) Acrolein	2.20	56	18559	70.292	ug/l	100
14) Allyl chloride	2.59	41	43402m	20.382	ug/l	
15) Acrylonitrile	2.93	53	91605	106.192	ug/l	98
16) Acetone	2.32	43	95648	109.760	ug/l	98
17) Carbon Disulfide	2.48	76	65797	16.750	ug/l	100
18) Methyl Acetate	2.61	43	48013	23.696	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	81110	19.879	ug/l	99
20) Methylene Chloride	2.70	84	27779	18.775	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	24015	17.810	ug/l	93
22) Diisopropyl ether	3.57	45	86488	20.551	ug/l	94
23) Vinyl Acetate	3.52	43	345874	100.530	ug/l	99
24) 1,1-Dichloroethane	3.45	63	48602	20.005	ug/l	99
25) 2-Butanone	4.26	43	129792	110.275	ug/l	97
26) 2,2-Dichloropropane	4.22	77	39954	20.353	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	29083	19.721	ug/l	98
28) Bromochloromethane	4.55	49	20971	20.159	ug/l	99
29) Tetrahydrofuran	4.63	42	76269	106.840	ug/l	98
30) Chloroform	4.67	83	47089	20.349	ug/l	97
31) Cyclohexane	5.00	56	43920	18.442	ug/l	90
32) 1,1,1-Trichloroethane	4.91	97	37981	19.864	ug/l	98
36) 1,1-Dichloropropene	5.13	75	34196	18.805	ug/l	98
37) Ethyl Acetate	4.38	43	42118	21.101	ug/l	99
38) Carbon Tetrachloride	5.13	117	30672	20.223	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	39928	17.861	ug/l	96
40) Benzene	5.39	78	110884	19.549	ug/l	100
41) Methacrylonitrile	4.54	41	23102	21.622	ug/l	97
42) 1,2-Dichloroethane	5.40	62	35545	20.855	ug/l	99
43) Isopropyl Acetate	5.55	43	64572	21.089	ug/l	99
44) Trichloroethene	6.19	130	27006	19.216	ug/l	94
45) 1,2-Dichloropropane	6.43	63	30378	20.280	ug/l	100
46) Dibromomethane	6.56	93	19238	20.091	ug/l	98
47) Bromodichloromethane	6.76	83	36700	20.817	ug/l	99
48) Methyl methacrylate	6.62	41	32358	21.704	ug/l	98
49) 1,4-Dioxane	6.61	88	16206	458.676	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	222819	106.930	ug/l	98
52) Toluene	7.63	92	65871	19.076	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41659	19.670	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	45467	19.868	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	28697	20.745	ug/l	97
56) Ethyl methacrylate	8.02	69	41761	19.595	ug/l	98
57) 1,3-Dichloropropane	8.24	76	48276	20.395	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	89798	95.809	ug/l	98
59) 2-Hexanone	8.36	43	174514	106.691	ug/l	98
60) Dibromochloromethane	8.47	129	28473	20.776	ug/l	100
61) 1,2-Dibromoethane	8.58	107	29934	19.952	ug/l	99
64) Tetrachloroethene	8.22	164	23366	19.257	ug/l	92
65) Chlorobenzene	9.12	112	72725	19.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26116	21.314	ug/l	97
67) Ethyl Benzene	9.25	91	123588	19.606	ug/l	100
68) m/p-Xylenes	9.37	106	94567	38.610	ug/l	98
69) o-Xylene	9.78	106	45131	19.123	ug/l	99
70) Styrene	9.79	104	73494	18.996	ug/l	100
71) Bromoform	9.95	173	22053	20.213	ug/l #	99
73) Isopropylbenzene	10.16	105	116003	22.165	ug/l	100
74) N-amyl acetate	10.01	43	51834	22.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	46321	22.083	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	40493m	23.373	ug/l	
77) Bromobenzene	10.45	156	27184	19.931	ug/l	94
78) n-propylbenzene	10.58	91	140085	22.713	ug/l	99
79) 2-Chlorotoluene	10.66	91	81220	21.708	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	95749	21.908	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	16297m	24.261	ug/l	
82) 4-Chlorotoluene	10.77	91	92557	21.574	ug/l	97
83) tert-Butylbenzene	11.10	119	94448	21.926	ug/l	98
84) 1,2,4-Trimethylbenzene	11.14	105	99380	22.775	ug/l	99
85) sec-Butylbenzene	11.32	105	109971	21.109	ug/l	99
86) p-Isopropyltoluene	11.47	119	90835	20.462	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	48088	19.222	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	48885	18.931	ug/l	98
89) n-Butylbenzene	11.89	91	86045	21.716	ug/l	97
90) Hexachloroethane	12.14	117	15887	21.273	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	48774	19.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	9502	23.553	ug/l	93

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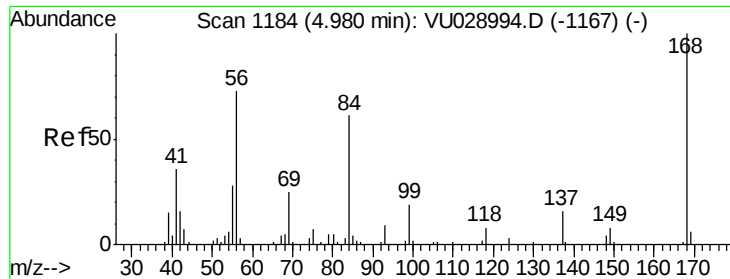
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	34002	21.139	ug/l	99
94) Hexachlorobutadiene	13.69	225	18528	25.184	ug/l	99
95) Naphthalene	13.74	128	107196	19.591	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	35290	21.757	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:168 Resp: 111900

Ion Ratio Lower Upper

168 100

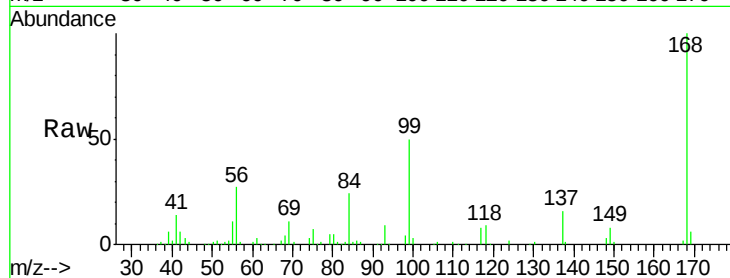
99 49.7 42.0 63.0

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

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

4.98

50000

40000

30000

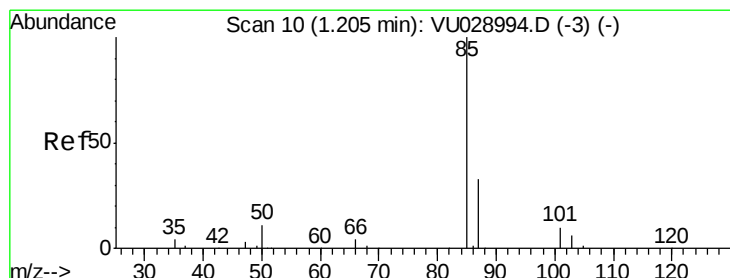
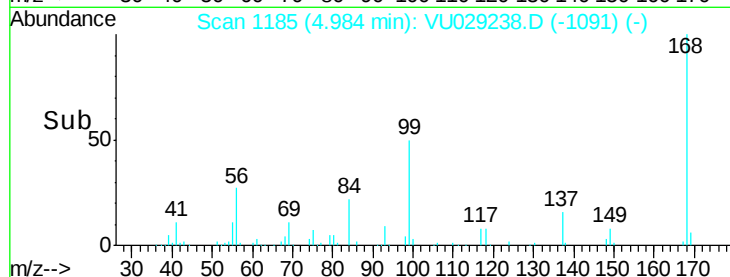
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.496 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029238.D

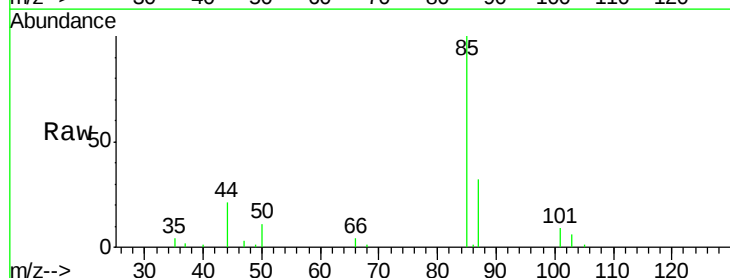
Acq: 21 Jan 2019 10:56

Tgt Ion: 85 Resp: 19416

Ion Ratio Lower Upper

85 100

87 32.0 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

20000

15000

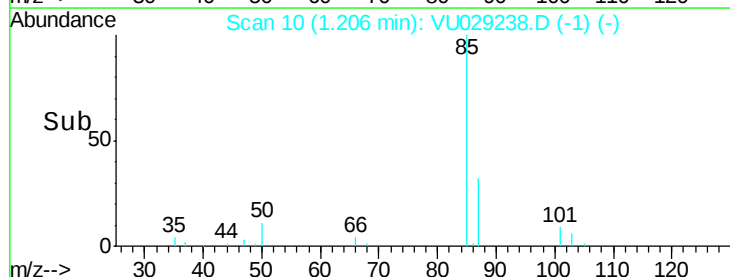
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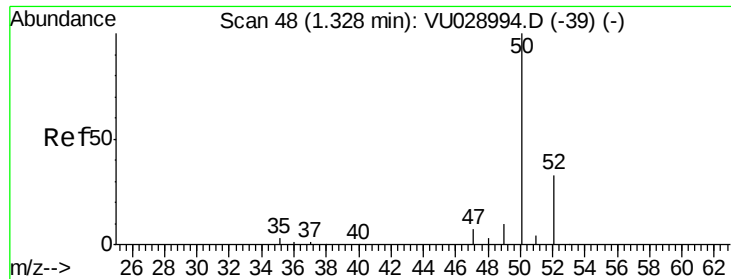
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.211 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 50 Resp: 29550

Ion Ratio Lower Upper

50 100

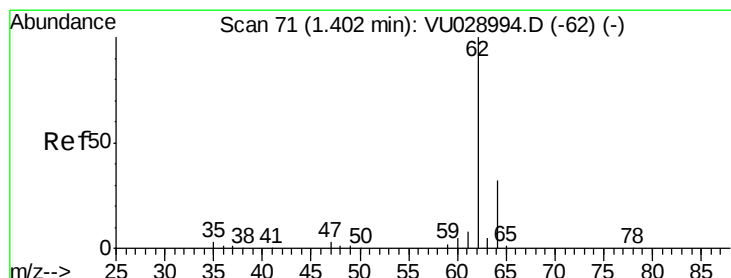
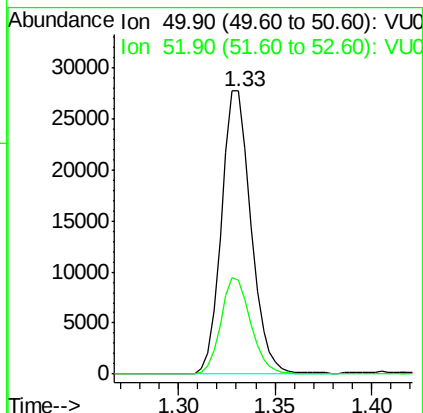
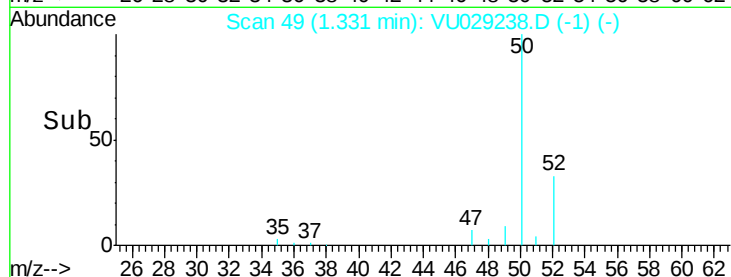
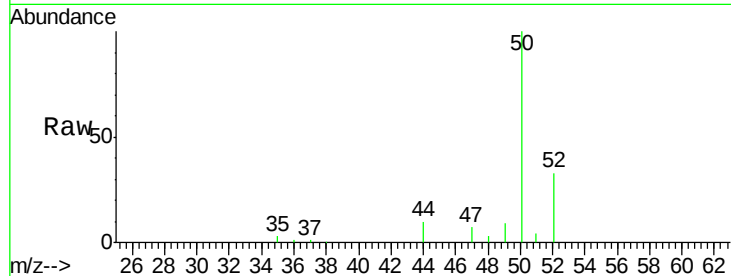
52 33.3 26.1 39.1

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#4

Vinyl Chloride

Concen: 18.181 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU029238.D

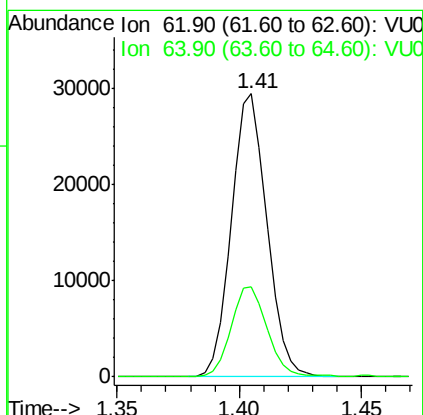
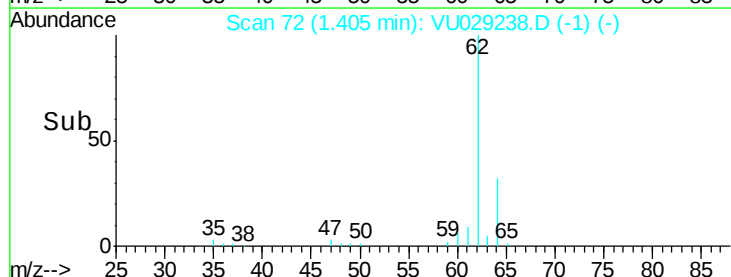
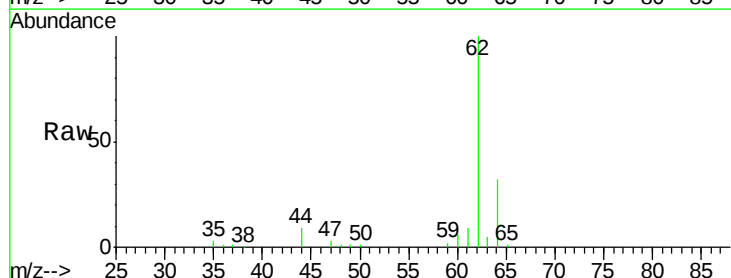
Acq: 21 Jan 2019 10:56

Tgt Ion: 62 Resp: 29733

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 18.535 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 94 Resp: 17191

Ion Ratio Lower Upper

94 100

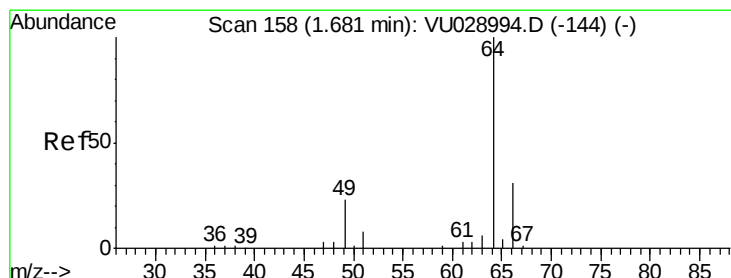
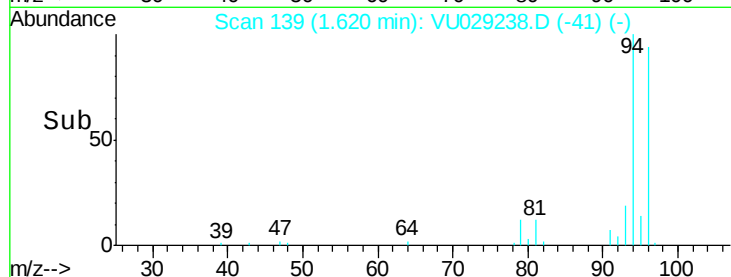
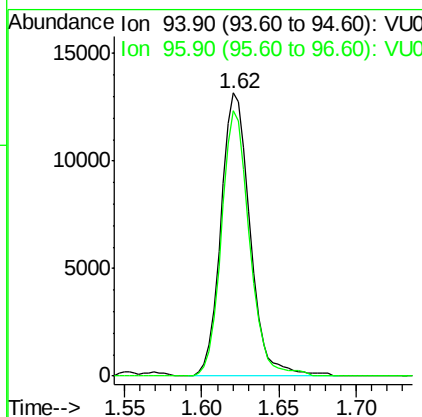
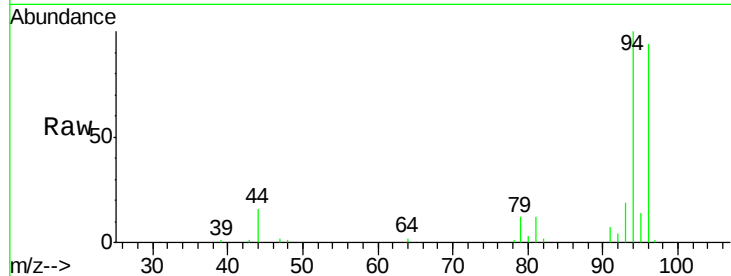
96 94.0 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 17.834 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.02 min

Lab File: VU029238.D

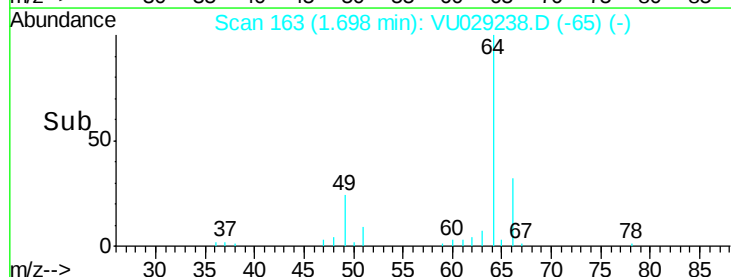
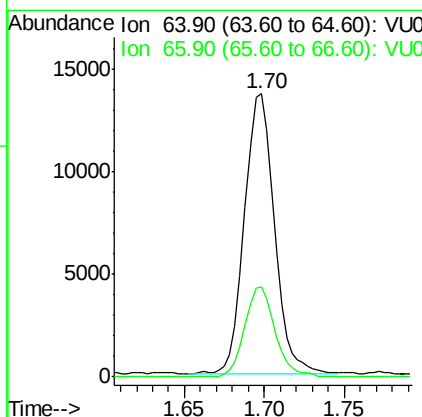
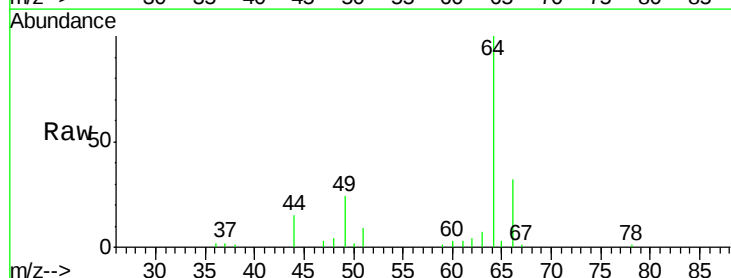
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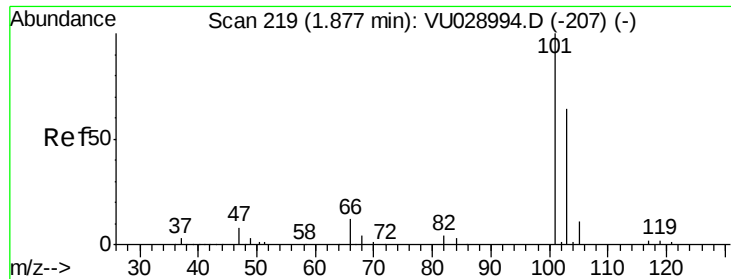
Tgt Ion: 64 Resp: 17372

Ion Ratio Lower Upper

64 100

66 32.4 25.2 37.8





#7

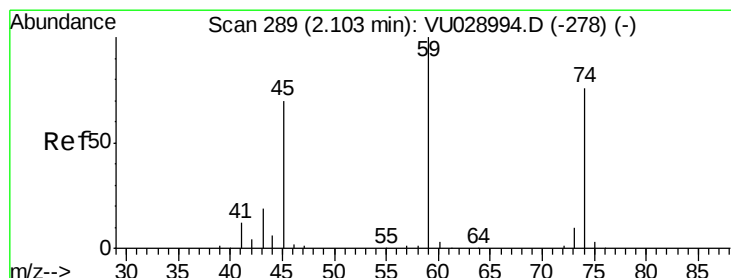
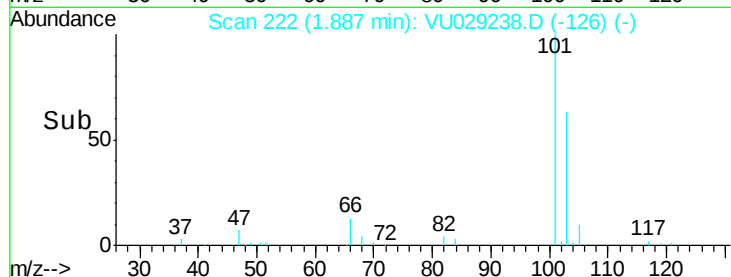
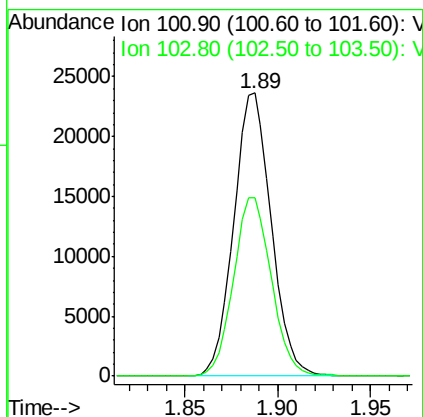
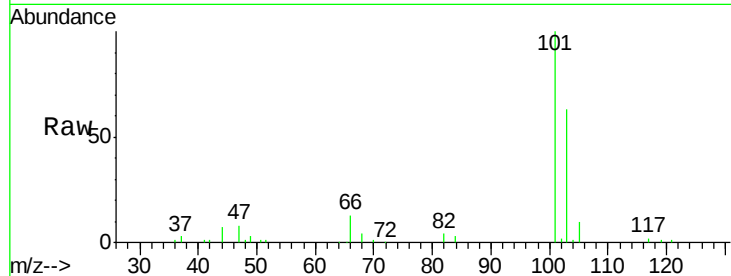
Trichlorofluoromethane
 Concen: 18.583 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
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 ClientSampleId :
 VU0121WBS01

Tot Ion:101 Resp: 33115
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.5 77.3

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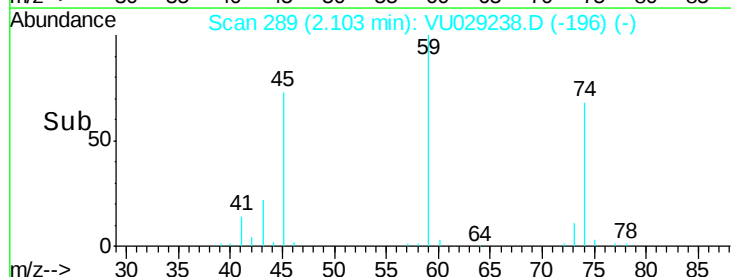
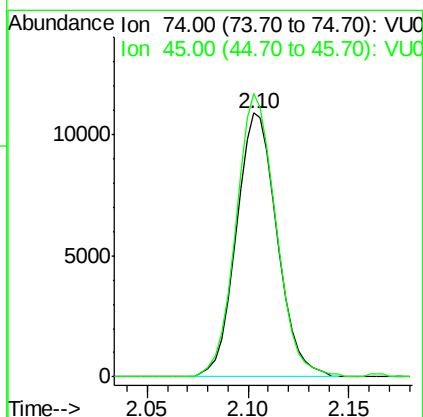
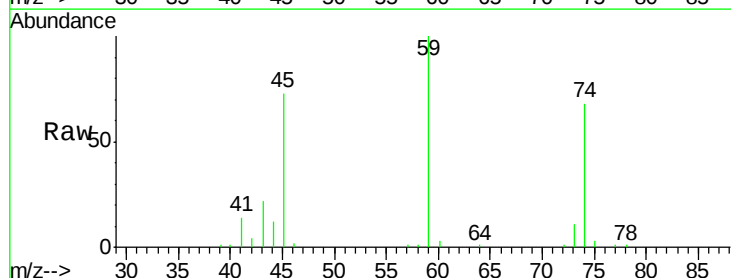
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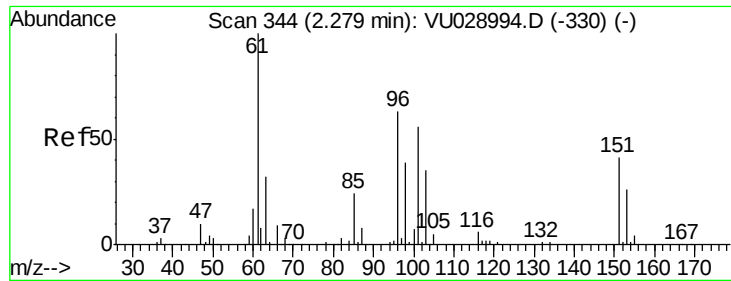


#8

Diethyl Ether
 Concen: 18.031 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion: 74 Resp: 15437
 Ion Ratio Lower Upper
 74 100
 45 105.3 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.085 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

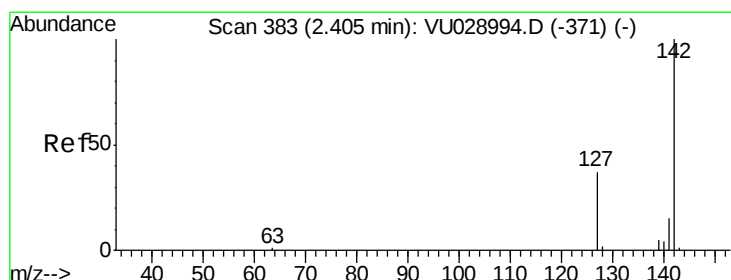
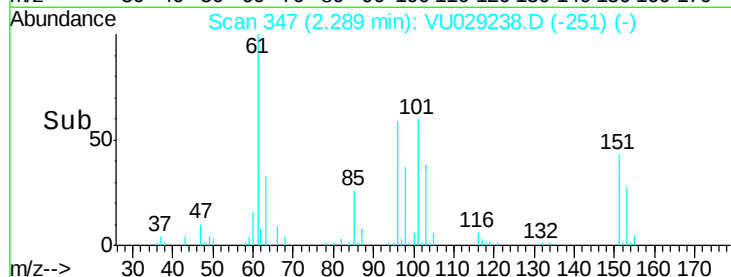
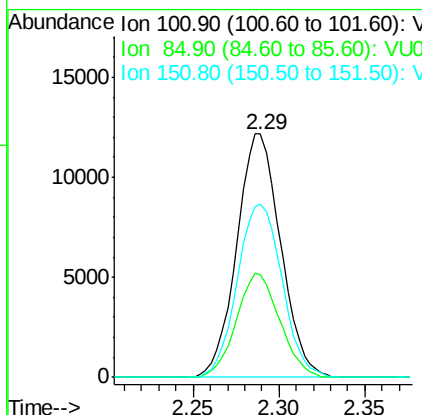
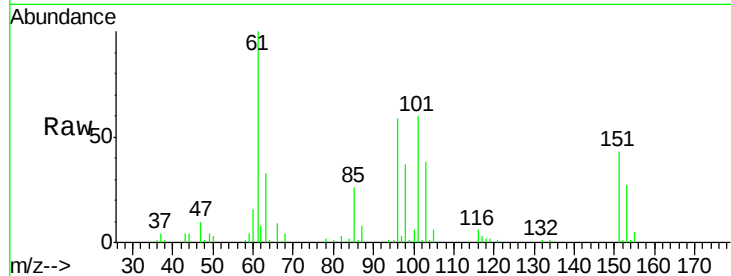
ClientSampleId :

VU0121WBS01

Tot Ion:	101	Resp:	21563
Ion Ratio	Lower	Upper	
101	100		
85	42.1	35.1	52.7
151	72.8	60.2	90.2

Manual Integrations
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1/22/2019 10:40:12 AM



#10

Methyl Iodide

Concen: 21.047 ug/l

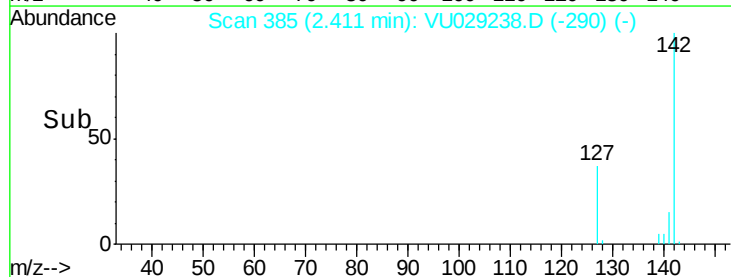
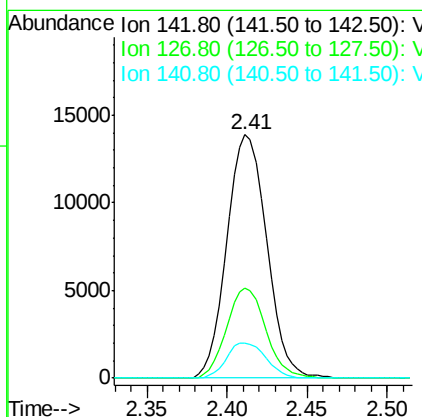
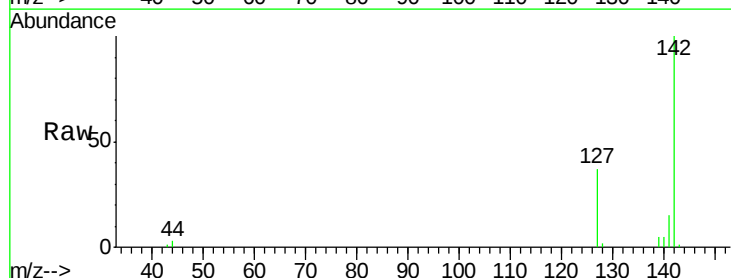
RT: 2.41 min Scan# 385

Delta R.T. 0.01 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion:	142	Resp:	23596
Ion Ratio	Lower	Upper	
142	100		
127	36.2	29.8	44.6
141	14.2	11.5	17.3





#11

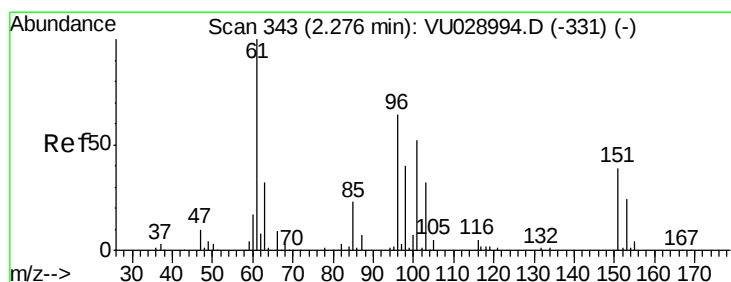
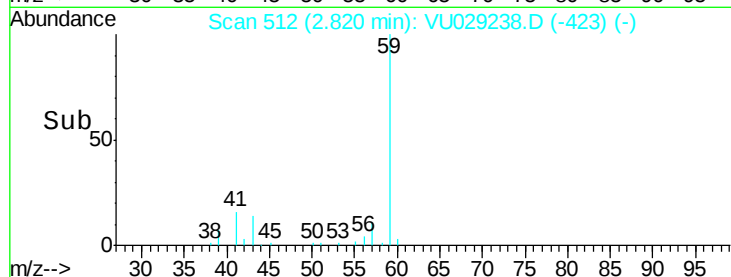
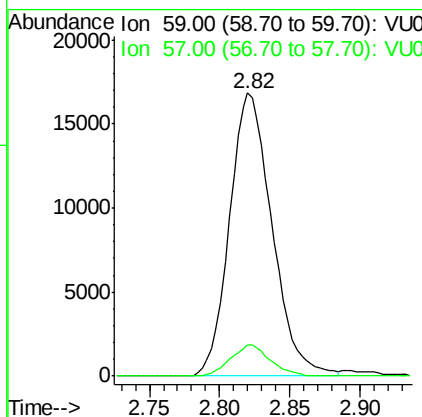
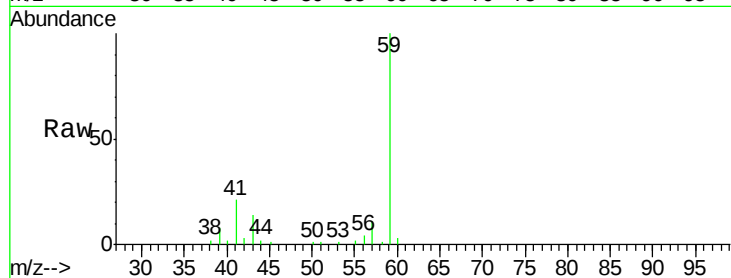
Tert butyl alcohol
Concen: 100.883 ug/l
RT: 2.82 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

Manual Integrations
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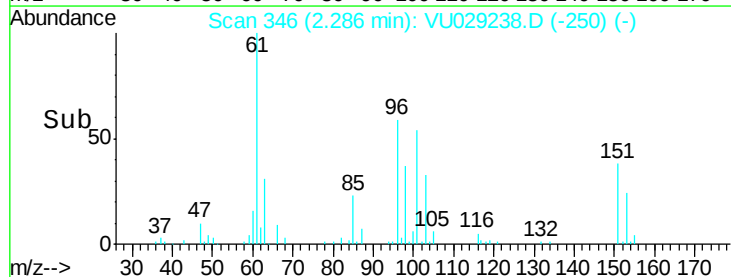
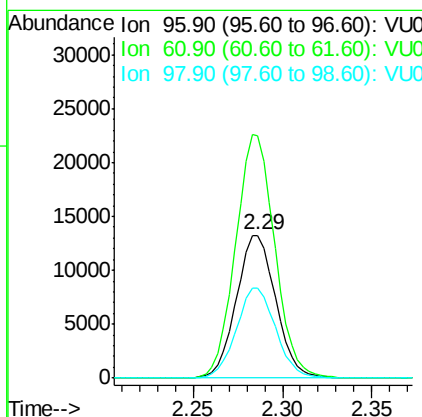
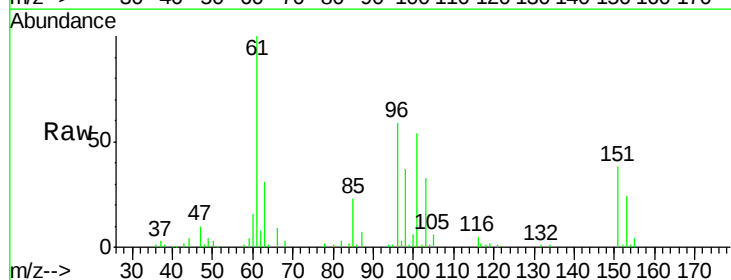
MMDadoda
1/22/2019 10:40:12 AM

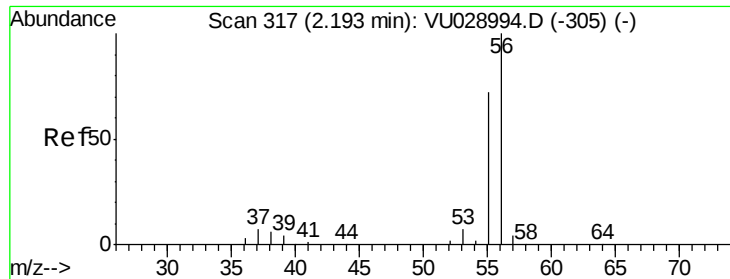


#12

1,1-Dichloroethene
Concen: 17.541 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.01 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.8	125.4	188.0
98	63.2	49.7	74.5





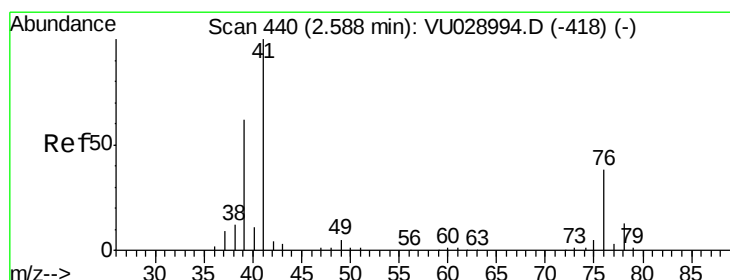
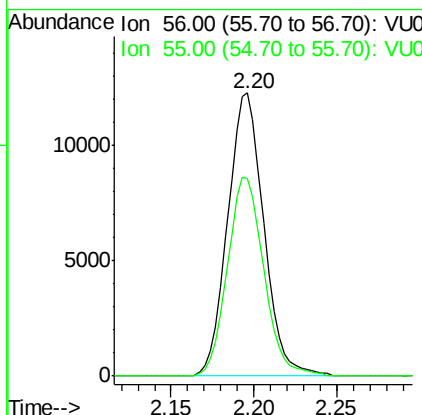
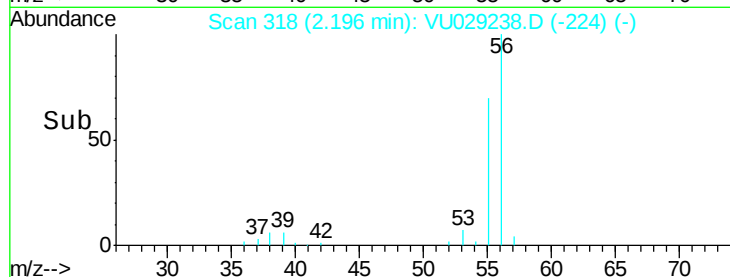
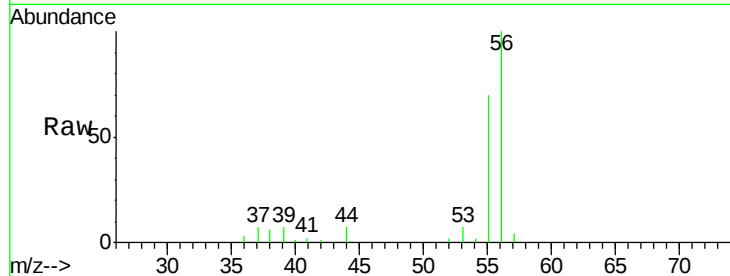
#13
Acrolein
Concen: 70.292 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion: 56 Resp: 18559
Ion Ratio Lower Upper
56 100
55 70.8 56.5 84.7

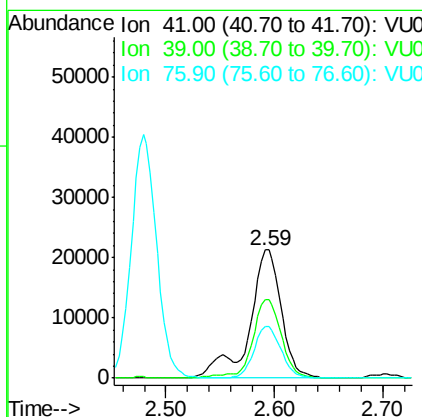
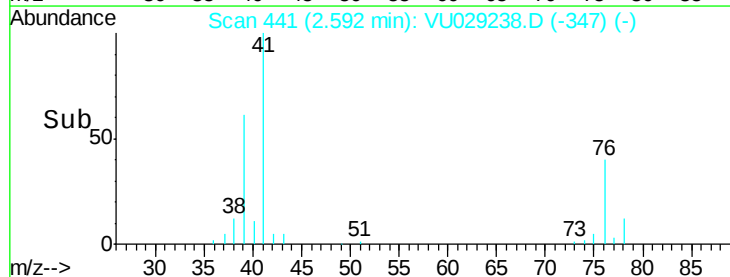
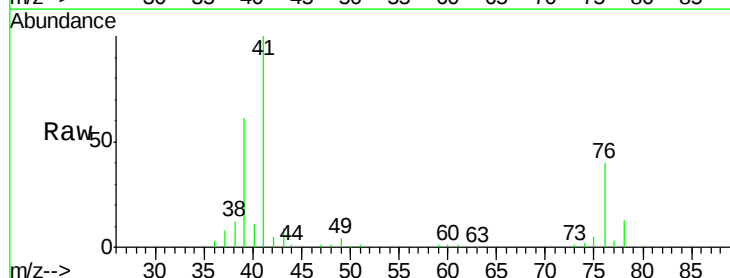
Manual Integrations
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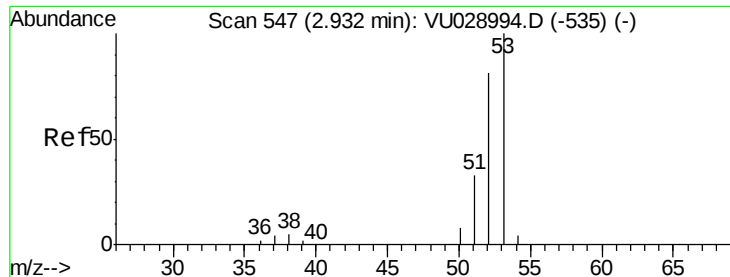
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#14
Allyl chloride
Concen: 20.382 ug/l m
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion: 41 Resp: 43402
Ion Ratio Lower Upper
41 100
39 55.2 45.0 67.6
76 33.8 28.1 42.1





#15

Acrylonitrile

Concen: 106.192 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

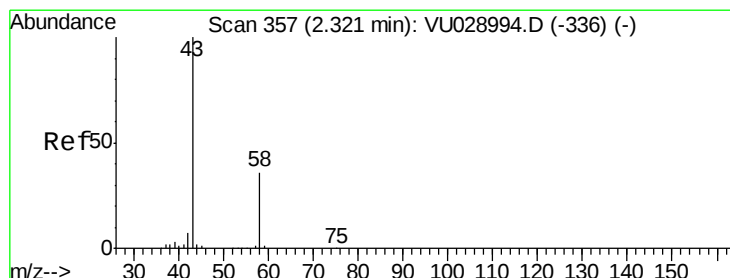
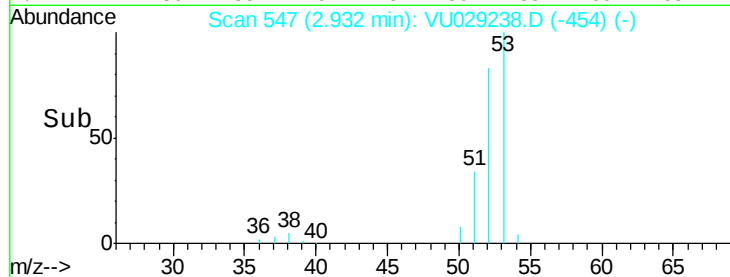
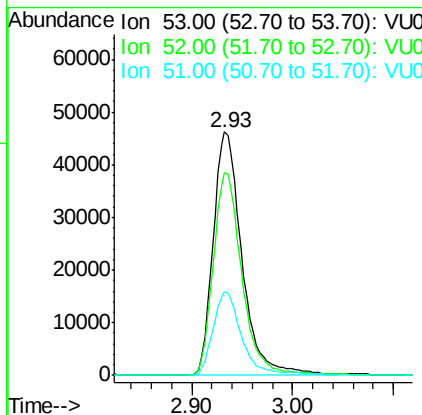
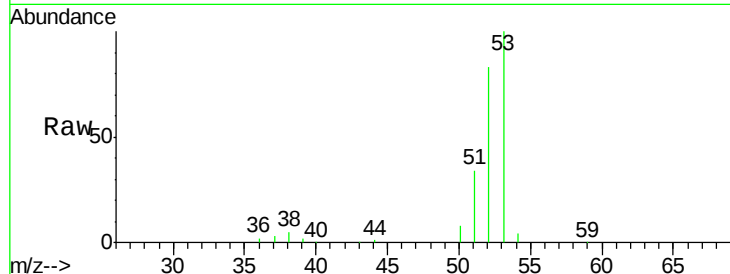
ClientSampleId :

VU0121WBS01

Tot Ion:	53	Resp:	91605
Ion	Ratio	Lower	Upper
53	100		
52	82.9	64.8	97.2
51	33.2	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 109.760 ug/l

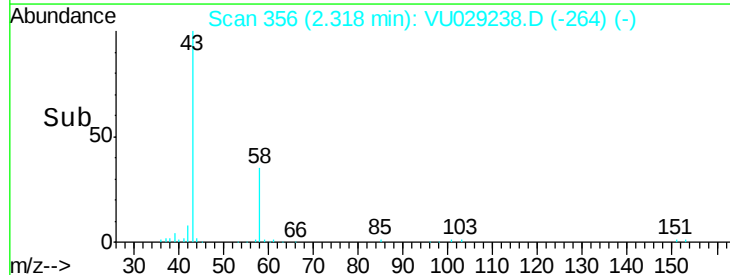
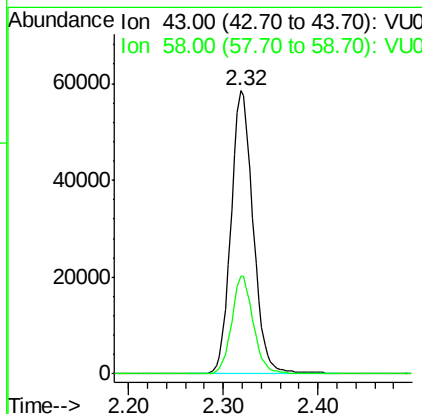
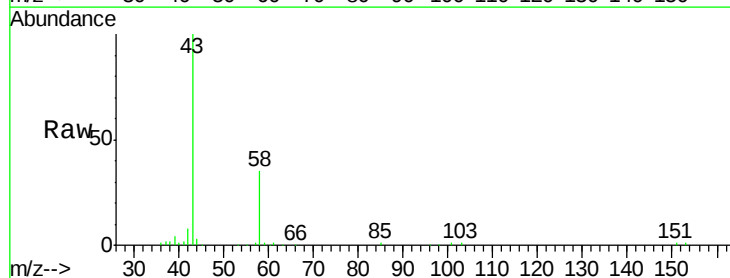
RT: 2.32 min Scan# 356

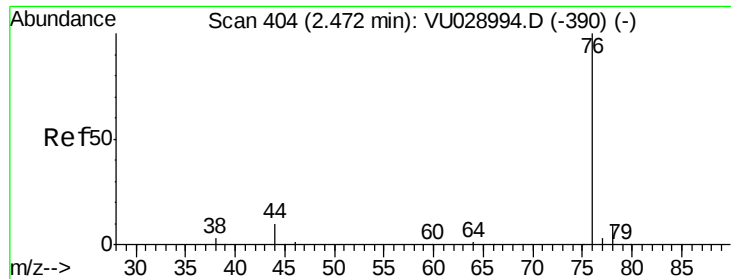
Delta R.T. -0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion:	43	Resp:	95648
Ion	Ratio	Lower	Upper
43	100		
58	34.6	28.6	42.8





#17

Carbon Disulfide

Concen: 16.750 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 76 Resp: 65797

Ion Ratio Lower Upper

76 100

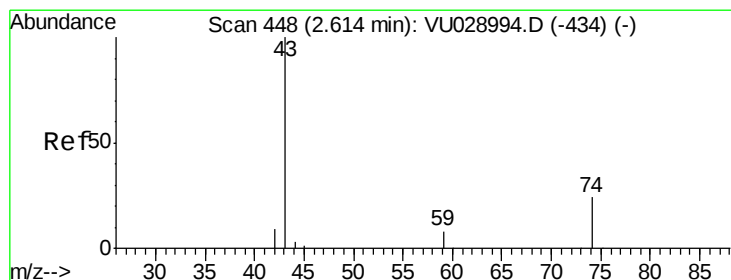
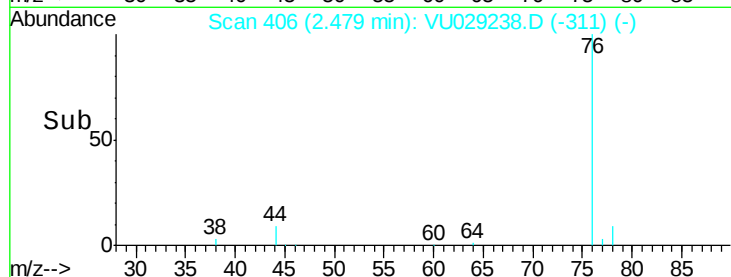
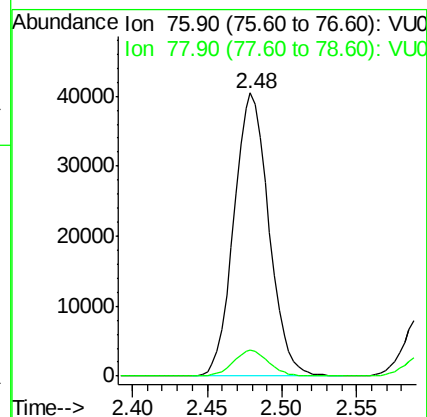
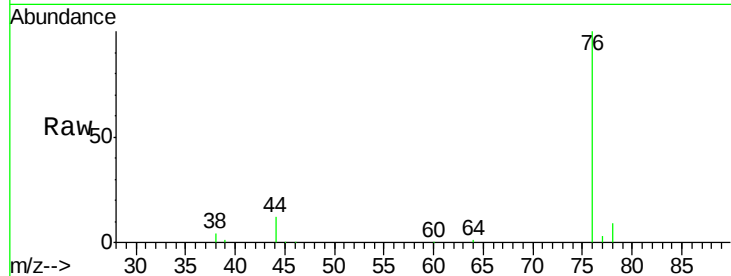
78 9.1 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 23.696 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029238.D

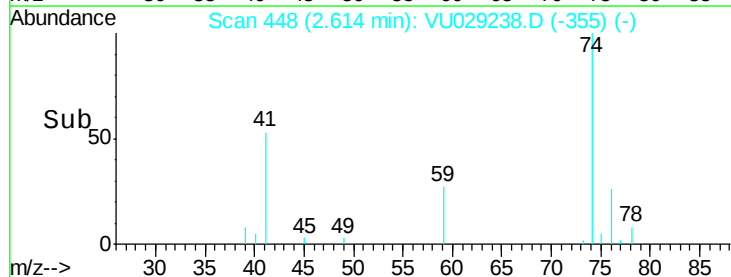
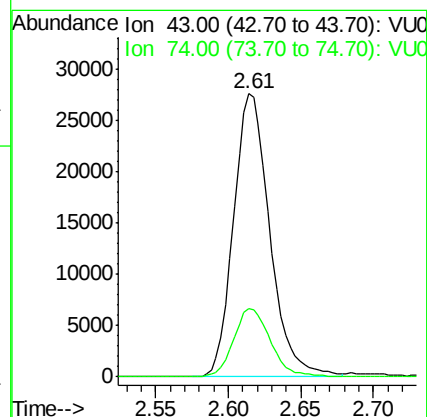
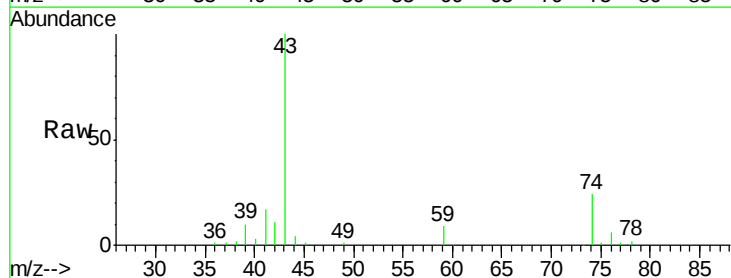
Acq: 21 Jan 2019 10:56

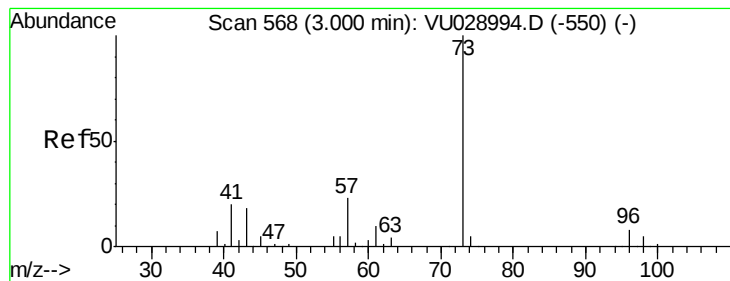
Tgt Ion: 43 Resp: 48013

Ion Ratio Lower Upper

43 100

74 24.3 19.5 29.3





#19

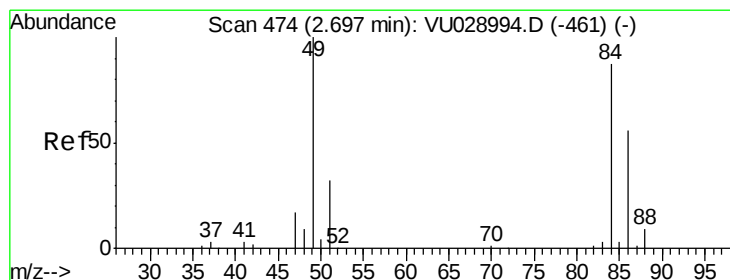
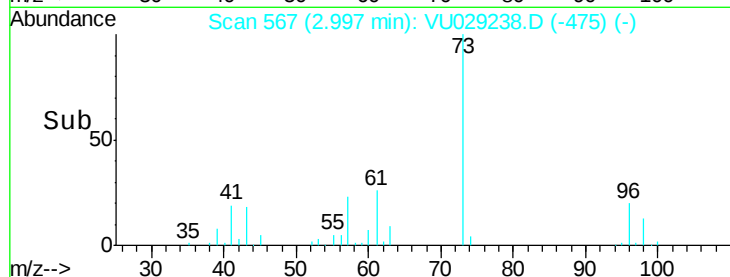
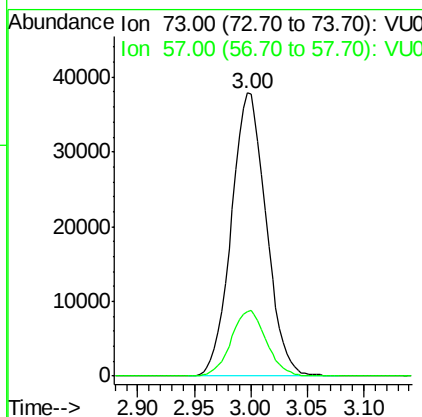
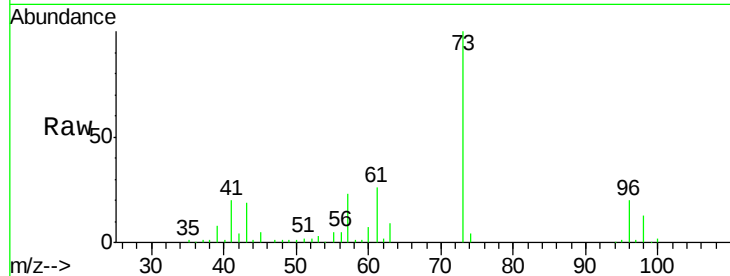
Methyl tert-butyl Ether
 Concen: 19.879 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.6	28.0

Manual Integrations
 APPROVED

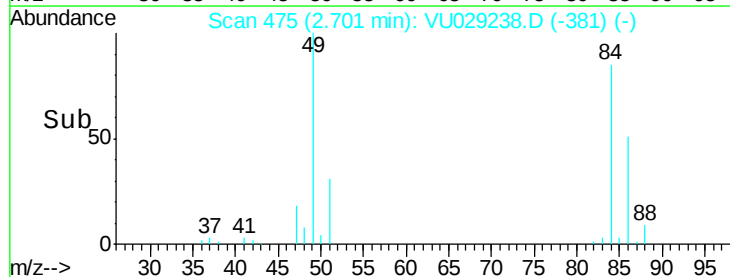
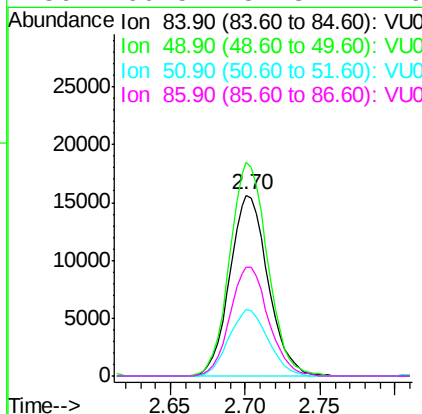
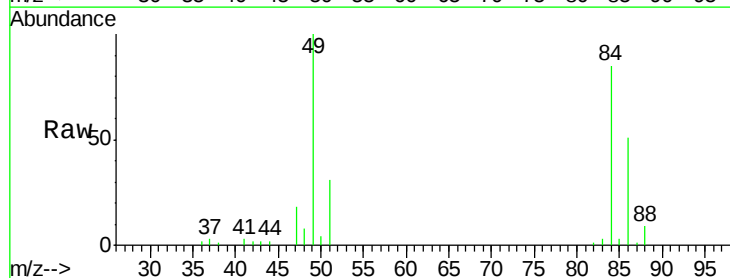
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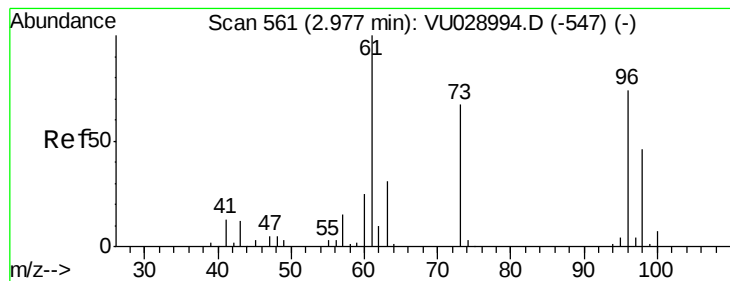


#20

Methylene Chloride
 Concen: 18.775 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.3	91.9	137.9
51	36.7	29.2	43.8
86	60.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 17.810 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.01 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 96 Resp: 24015

Ion Ratio Lower Upper

96 100

61 142.7 107.7 161.5

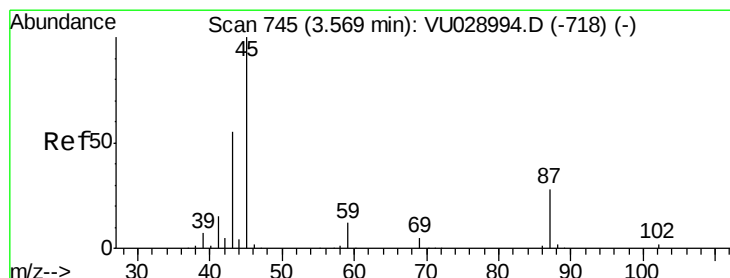
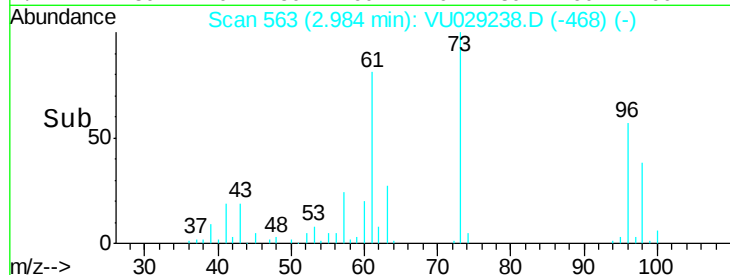
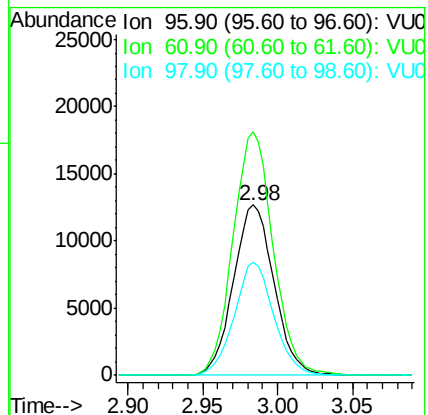
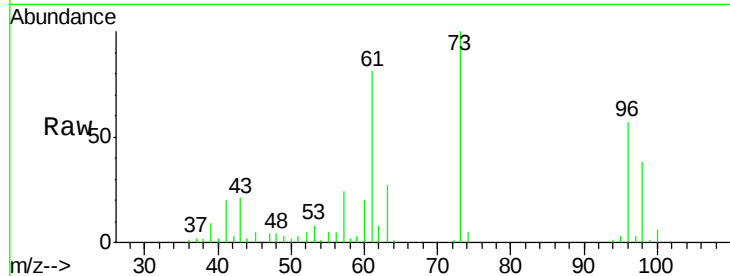
98 66.4 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.551 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion: 45 Resp: 86488

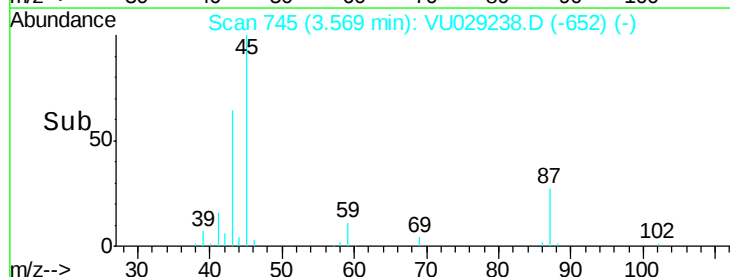
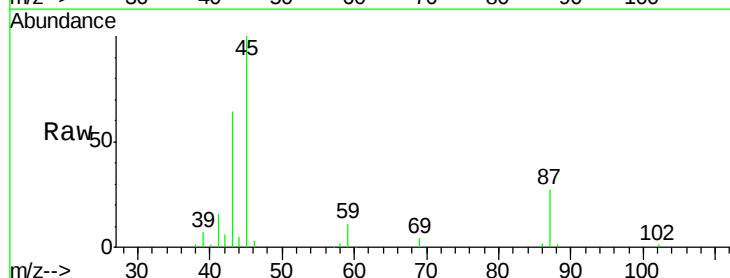
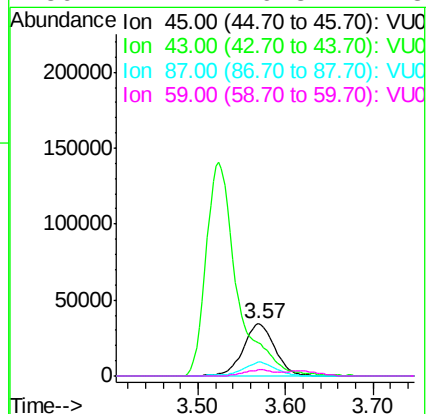
Ion Ratio Lower Upper

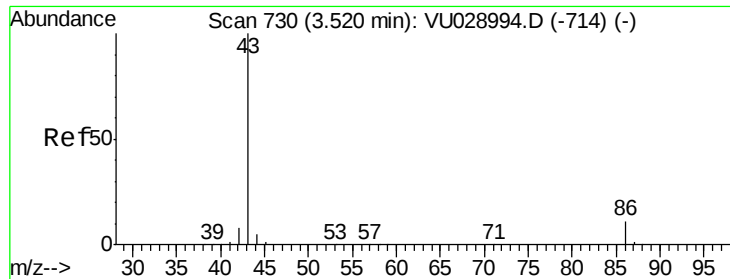
45 100

43 62.4 44.7 67.1

87 26.6 22.2 33.2

59 11.2 9.8 14.8





#23

Vinyl Acetate

Concen: 100.530 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tot Ion: 43 Resp: 345874

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

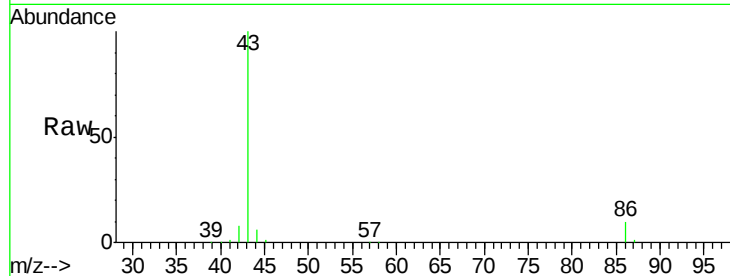
VU0121WBS01

Manual Integrations

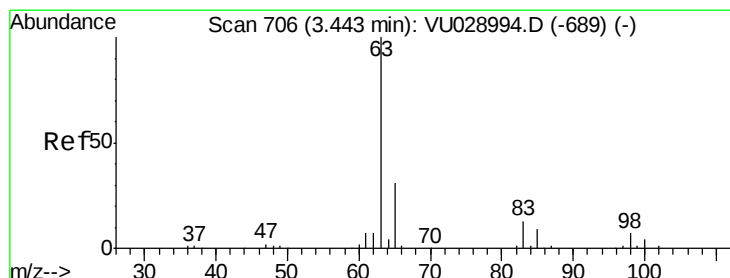
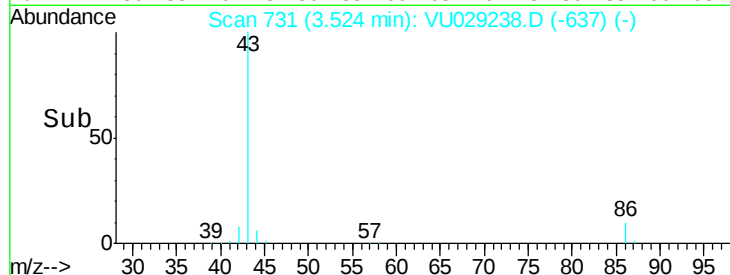
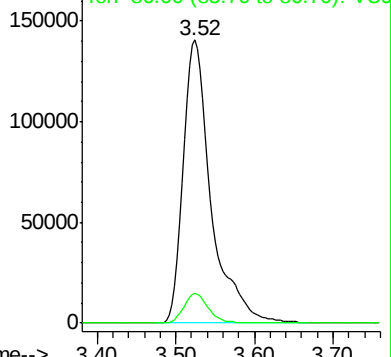
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Abundance Ion 43.00 (42.70 to 43.70): VU029238.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 20.005 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

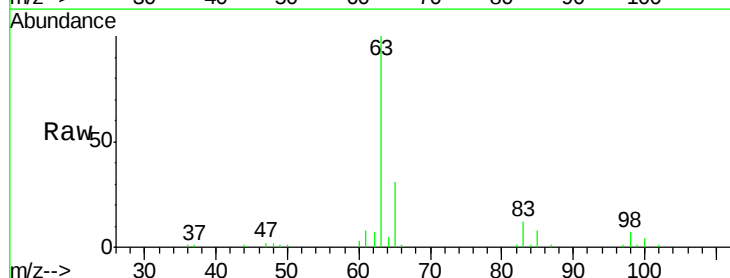
Tgt Ion: 63 Resp: 48602

Ion Ratio Lower Upper

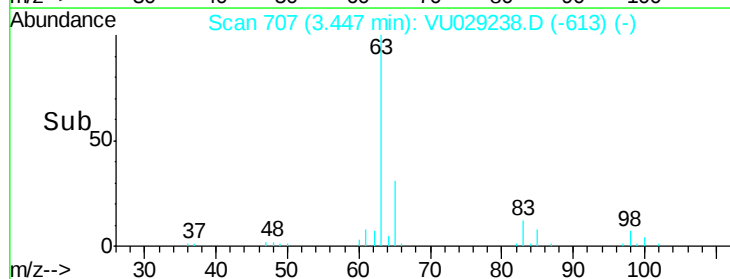
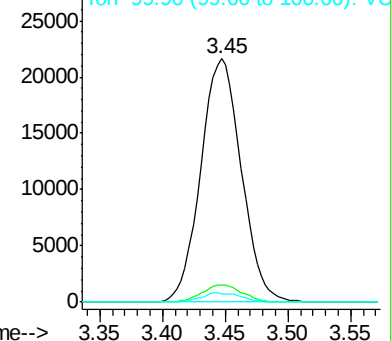
63 100

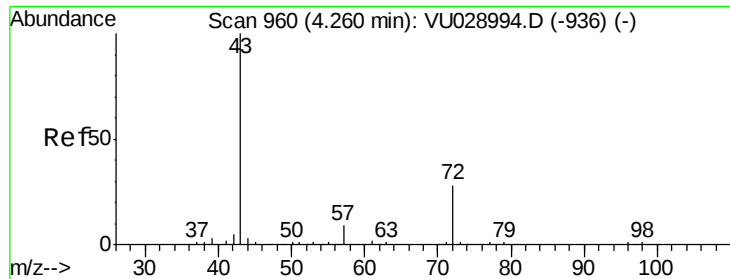
98 7.2 3.4 10.1

100 3.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU029238.D (-613) (-)





#25

2-Butanone

Concen: 110.275 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 43 Resp: 129792

Ion Ratio Lower Upper

43 100

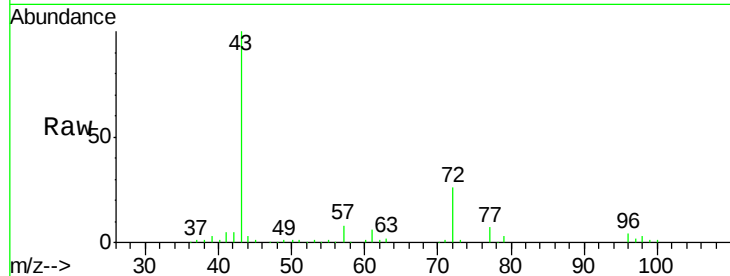
72 26.5 22.6 33.8

Manual Integrations

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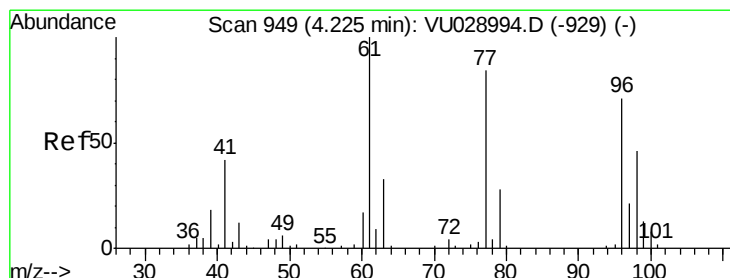
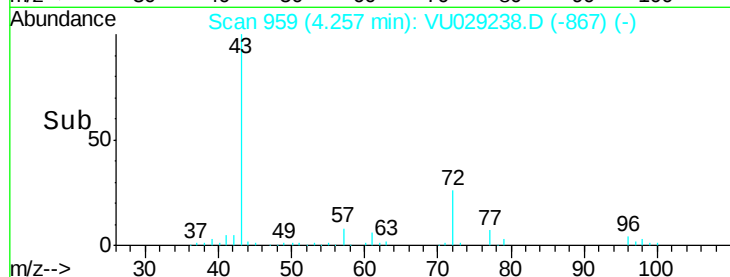
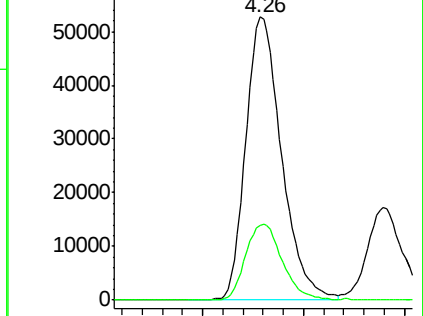
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.353 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029238.D

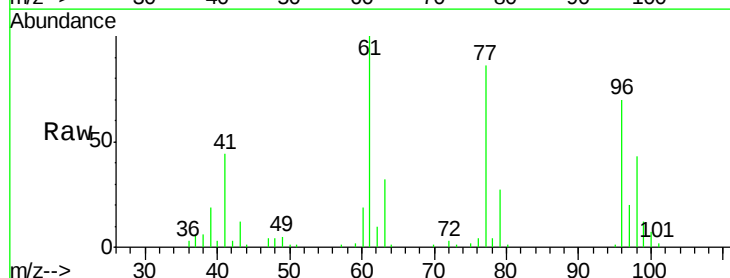
Acq: 21 Jan 2019 10:56

Tgt Ion: 77 Resp: 39954

Ion Ratio Lower Upper

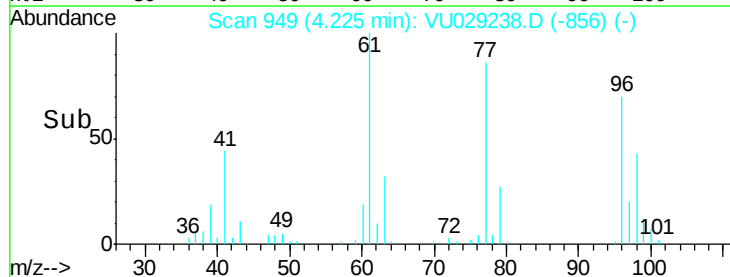
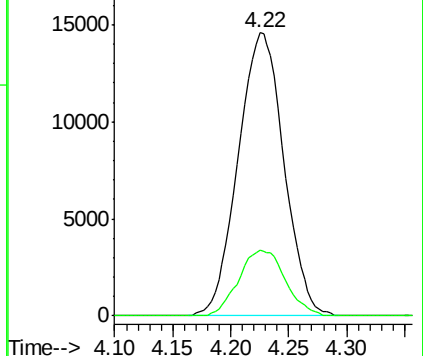
77 100

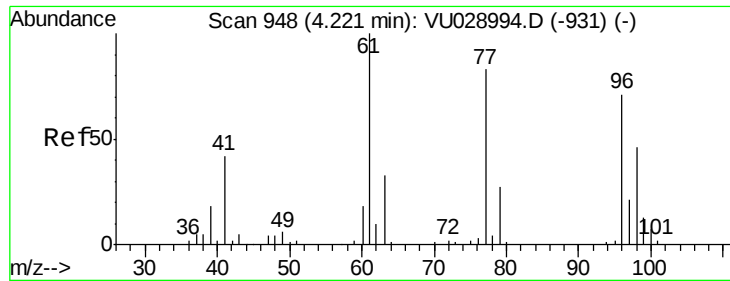
97 23.6 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

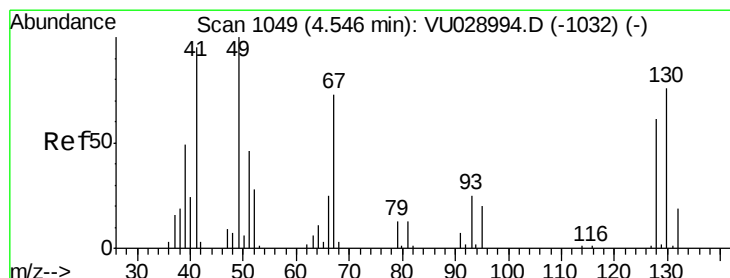
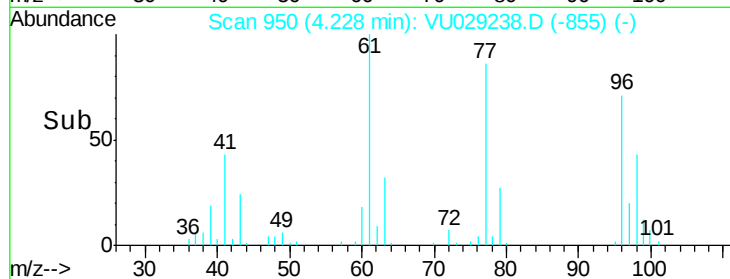
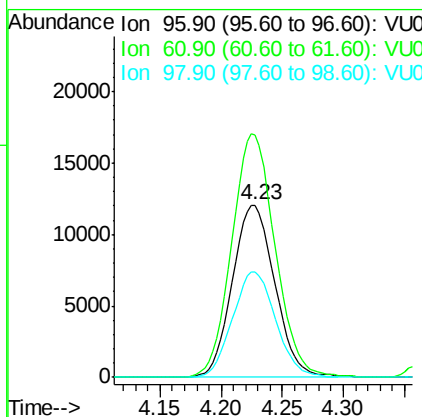
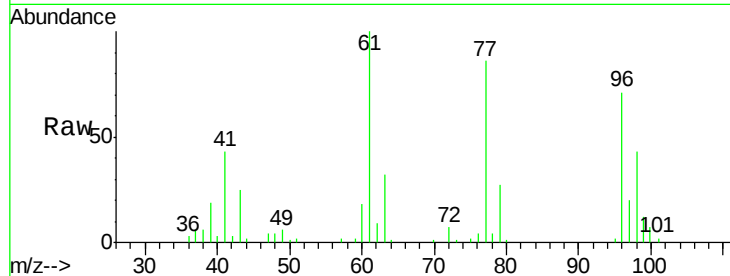
cis-1,2-Dichloroethene
Concen: 19.721 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.01 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29083		
61	144.3	0.0	285.6	
98	62.1	0.0	130.2	

Manual Integrations
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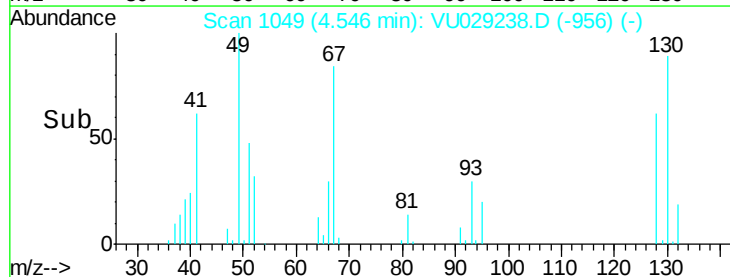
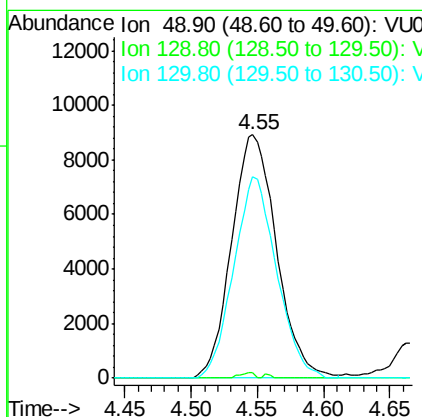
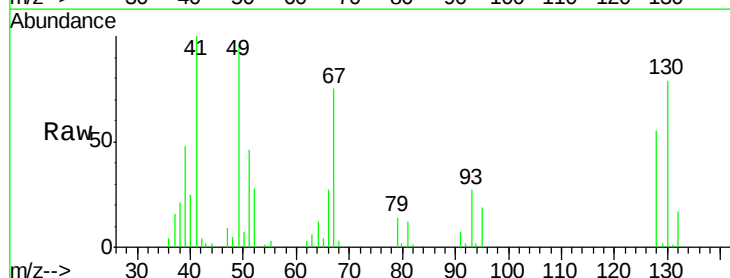
MMDadoda
1/22/2019 10:40:12 AM

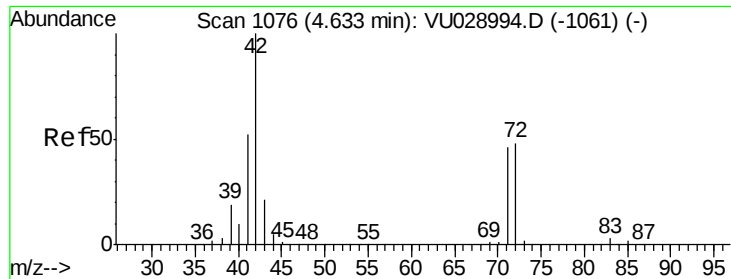


#28

Bromochloromethane
Concen: 20.159 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20971		
129	0.7	0.0	3.4	
130	79.2	62.9	94.3	





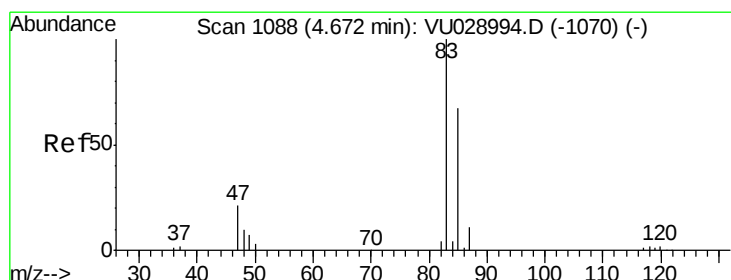
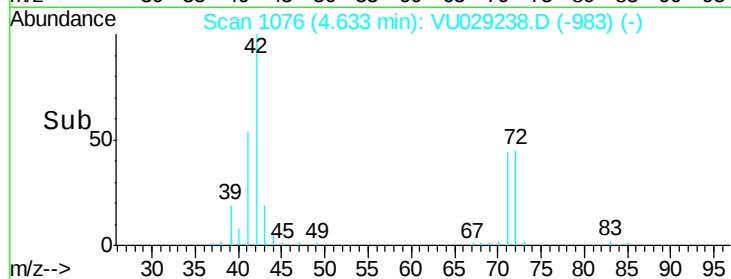
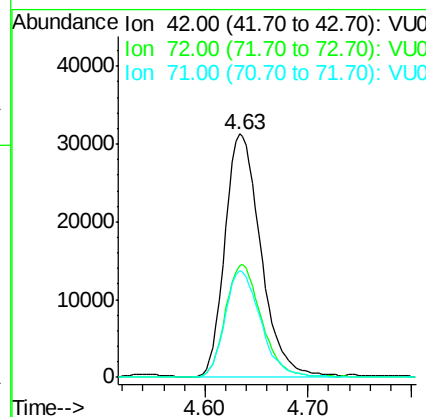
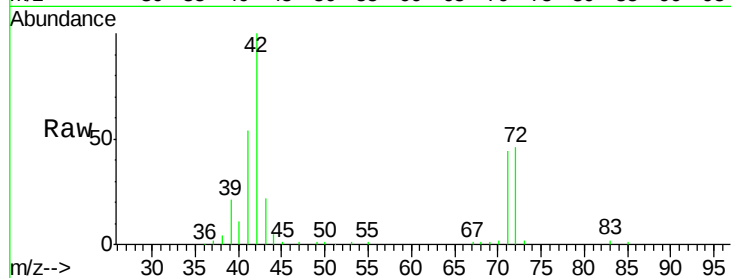
#29
Tetrahydrofuran
Concen: 106.840 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.3	57.5
71	43.4	36.1	54.1

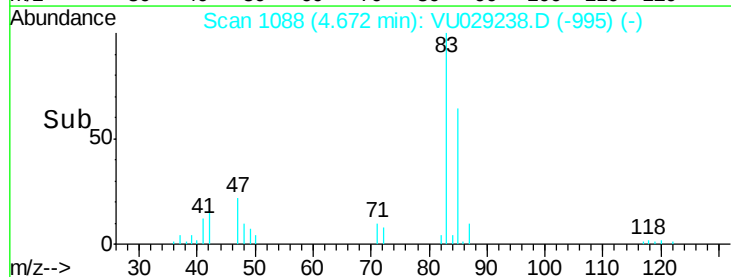
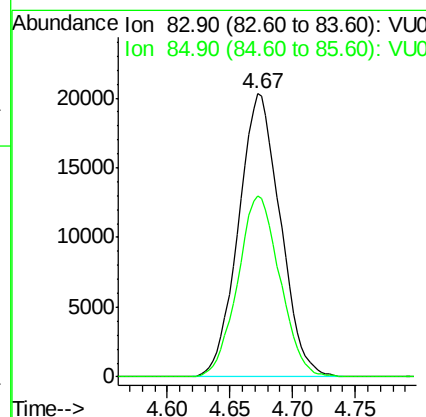
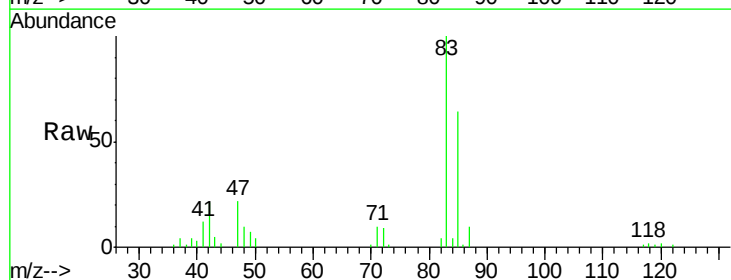
Manual Integrations
APPROVED

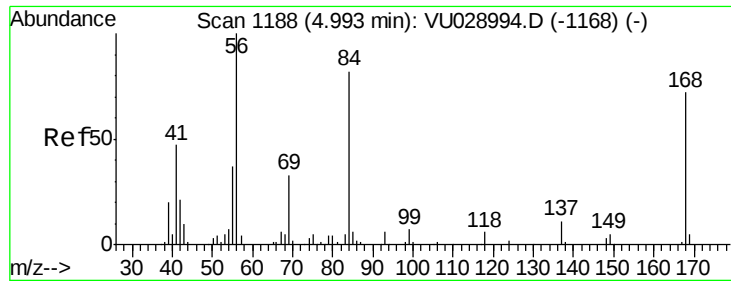
MMDadoda
1/22/2019 10:40:12 AM



#30
Chloroform
Concen: 20.349 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.4	80.0





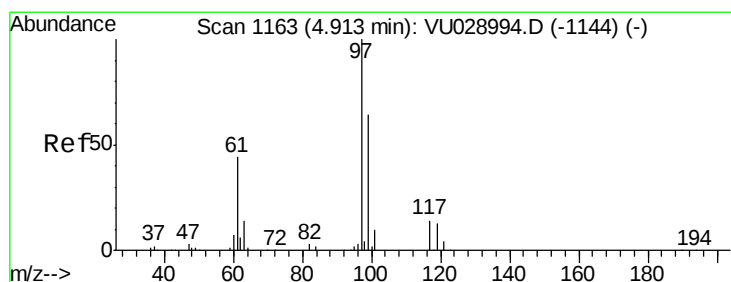
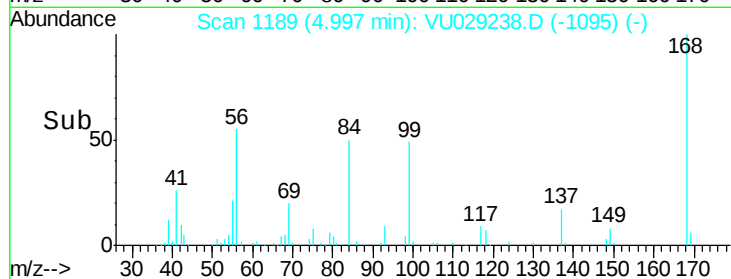
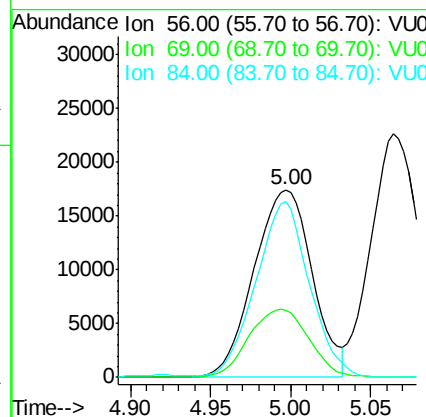
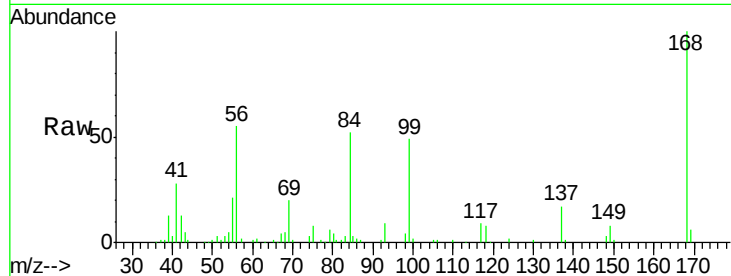
#31
Cyclohexane
Concen: 18.442 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.7	40.1
84	92.8	65.7	98.5

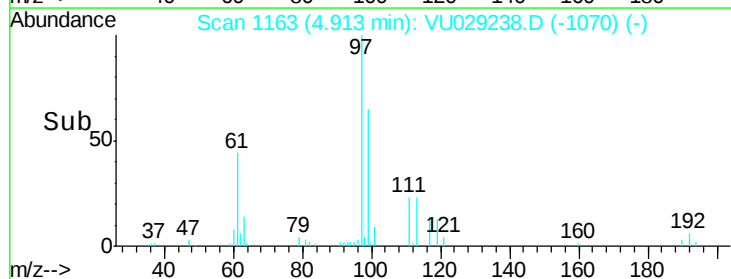
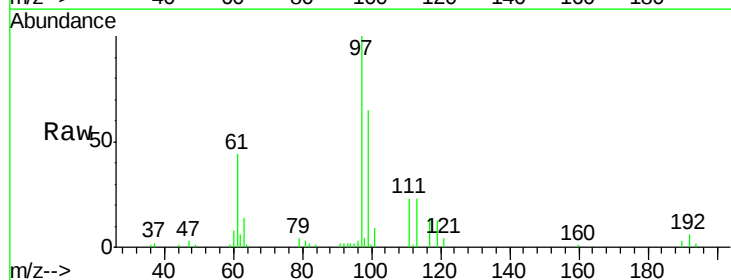
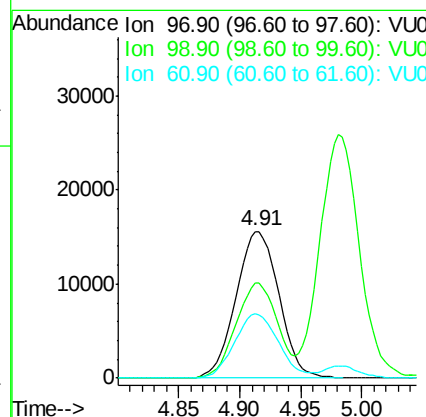
Manual Integrations
APPROVED

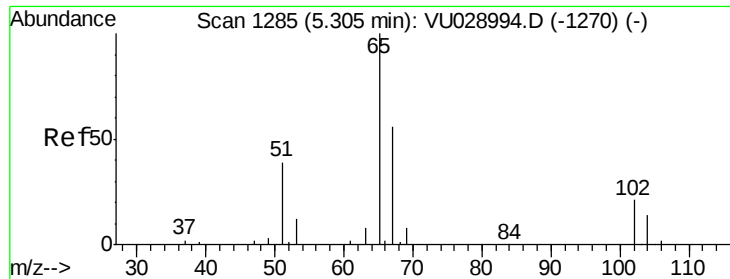
MMDadoda
1/22/2019 10:40:12 AM



#32
1,1,1-Trichloroethane
Concen: 19.864 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	45.1	34.4	51.6





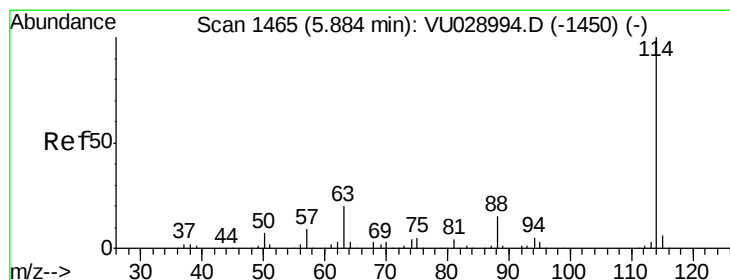
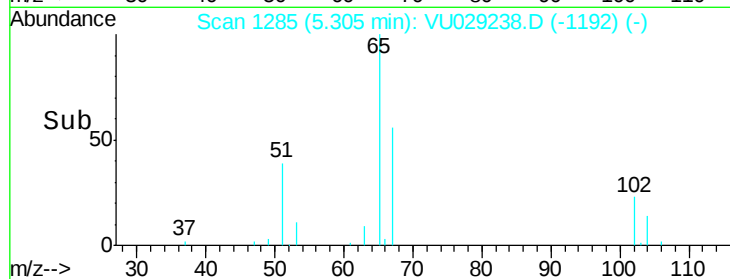
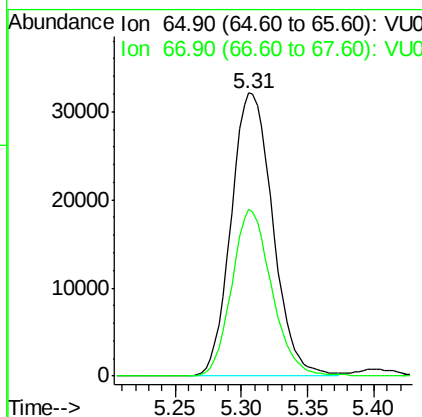
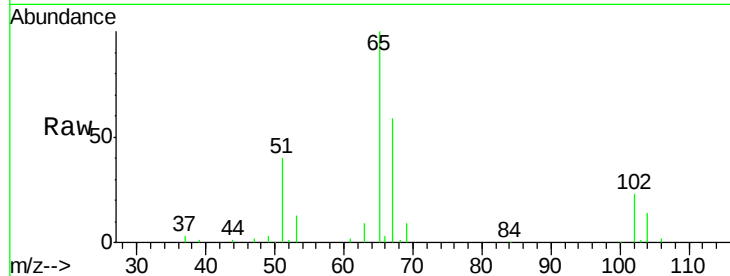
#33
 1,2-Dichloroethane-d4
 Concen: 50.603 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.6	0.0	111.0

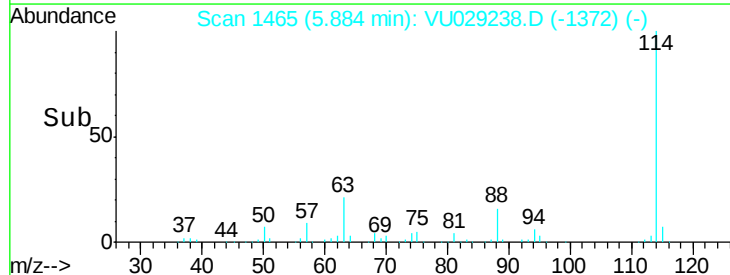
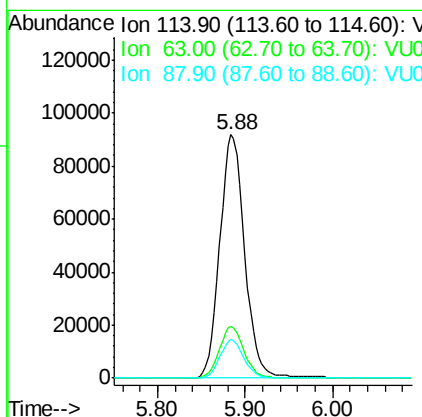
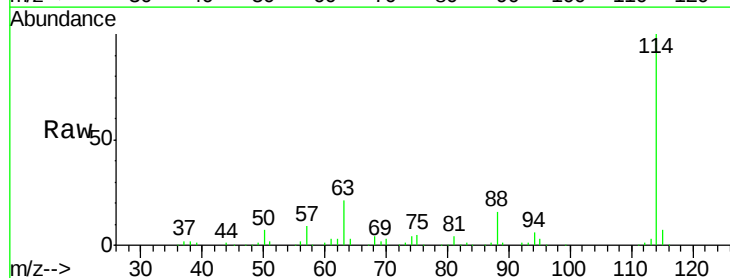
Manual Integrations
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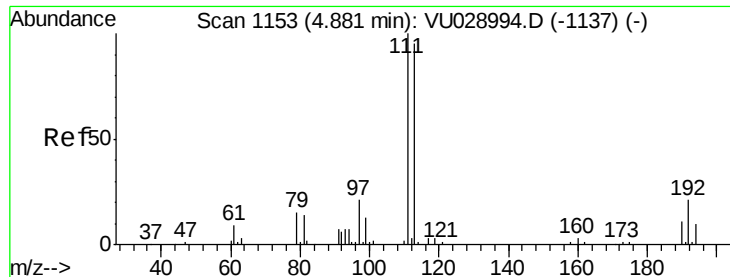
MMDadoda
 1/22/2019 10:40:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	40.2
88	15.8	0.0	30.4





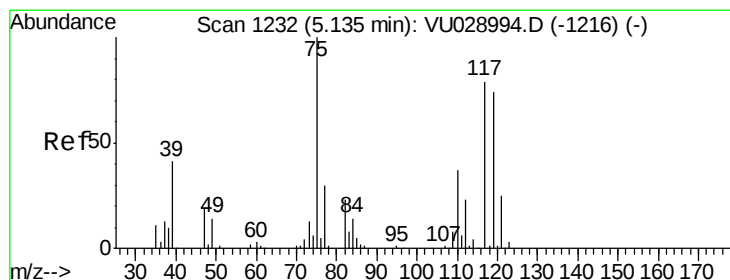
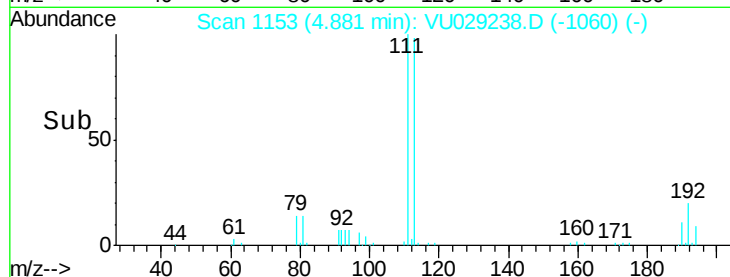
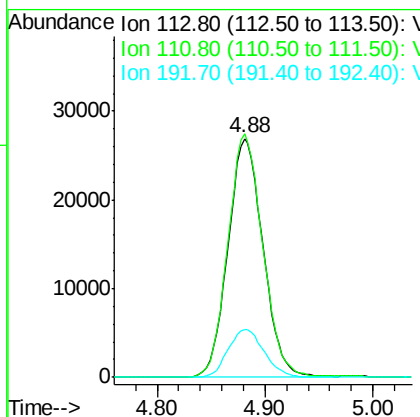
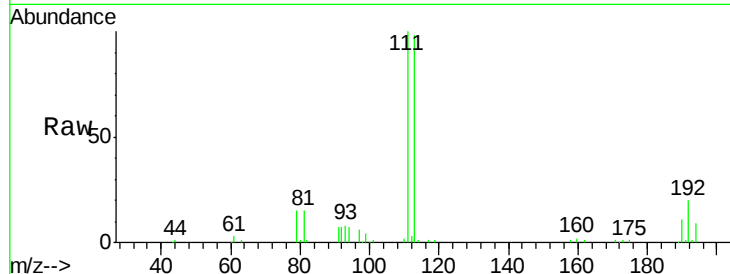
#35
Dibromofluoromethane
Concen: 51.649 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60909		
111	101.6		81.4	122.2
192	20.6		16.8	25.2

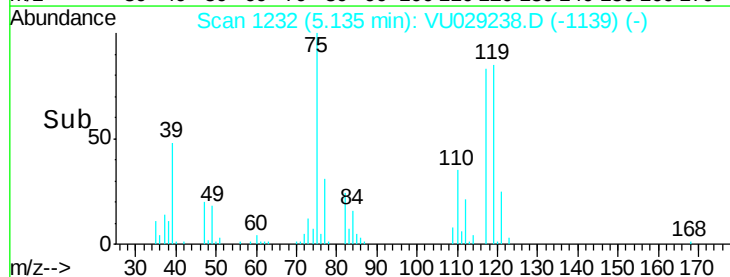
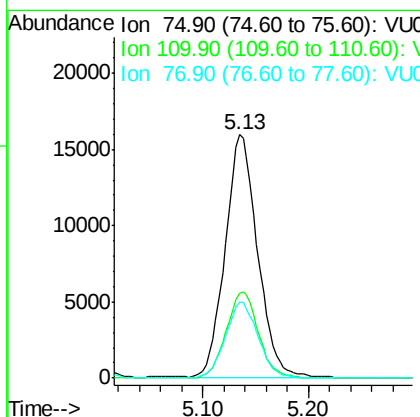
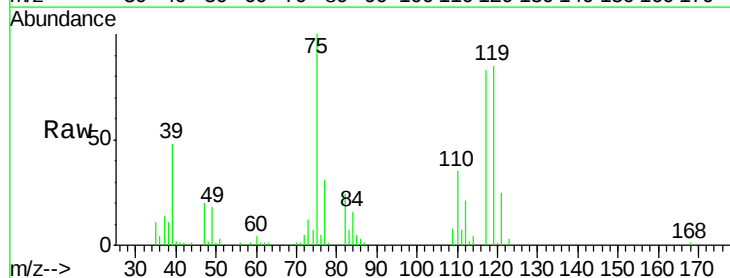
Manual Integrations
APPROVED

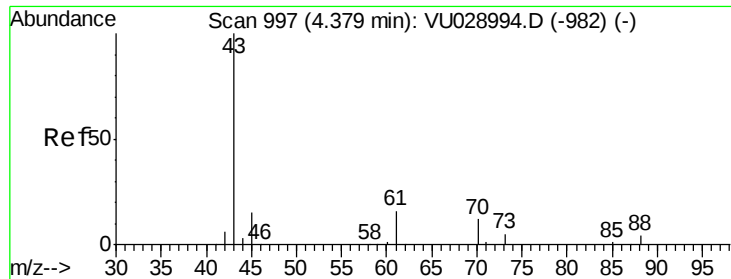
MMDadoda
1/22/2019 10:40:12 AM



#36
1,1-Dichloropropene
Concen: 18.805 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34196		
110	34.8		18.4	55.4
77	31.1		25.1	37.7





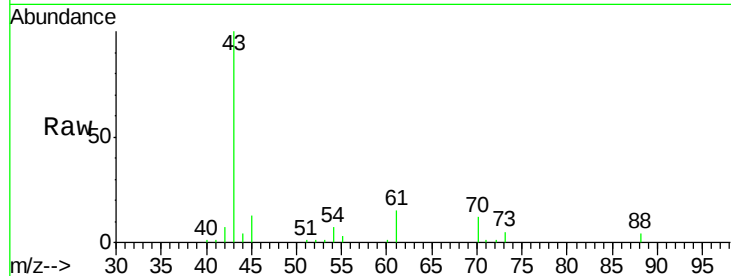
#37
Ethyl Acetate
Concen: 21.101 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

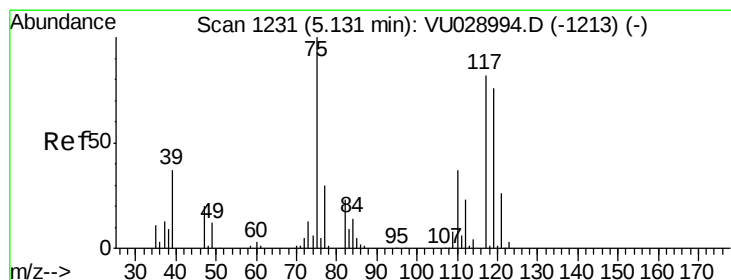
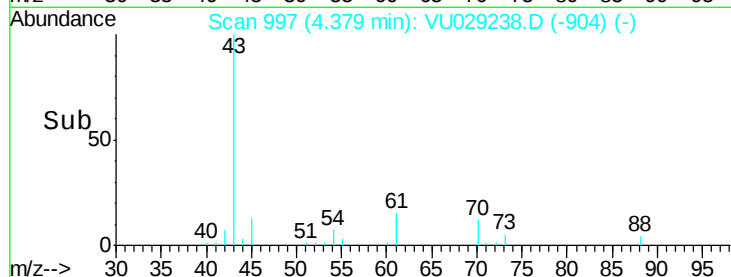
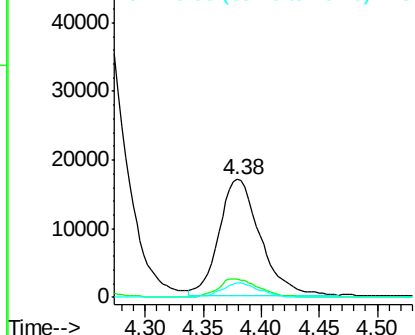
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.6	18.8
70	11.0	9.3	13.9

Manual Integrations
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1/22/2019 10:40:12 AM



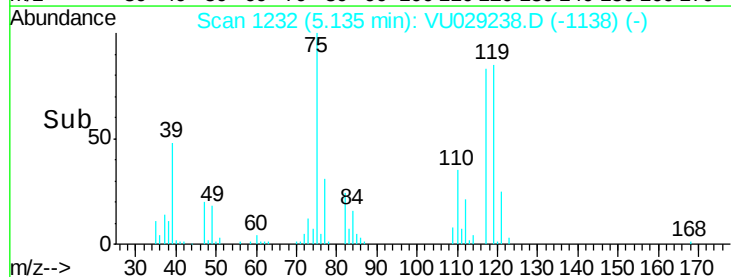
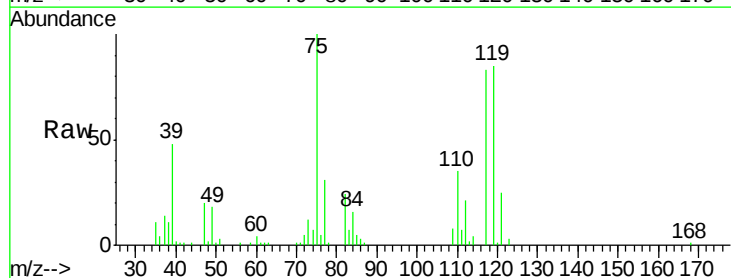
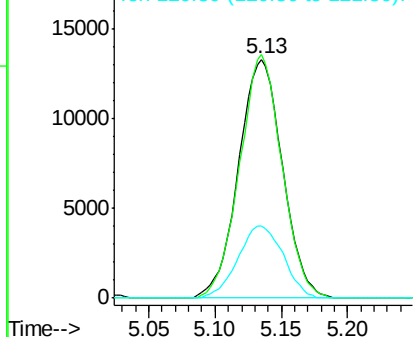
Abundance Ion 43.00 (42.70 to 43.70): VU029238.D (-904) (-)
Ion 60.90 (60.60 to 61.60): VU029238.D (-904) (-)
Ion 70.00 (69.70 to 70.70): VU029238.D (-904) (-)

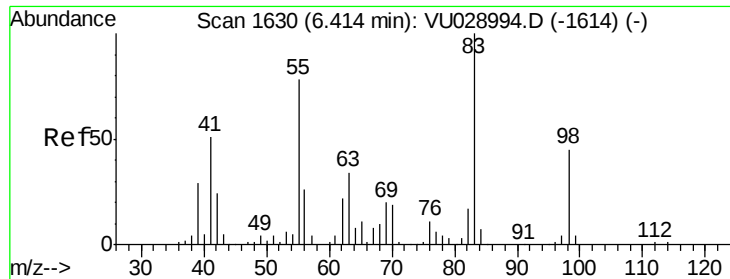


#38
Carbon Tetrachloride
Concen: 20.223 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	74.6	111.8
121	30.2	25.0	37.6

Abundance Ion 116.80 (116.50 to 117.50): VU029238.D (-1138) (-)
Ion 118.80 (118.50 to 119.50): VU029238.D (-1138) (-)
Ion 120.80 (120.50 to 121.50): VU029238.D (-1138) (-)





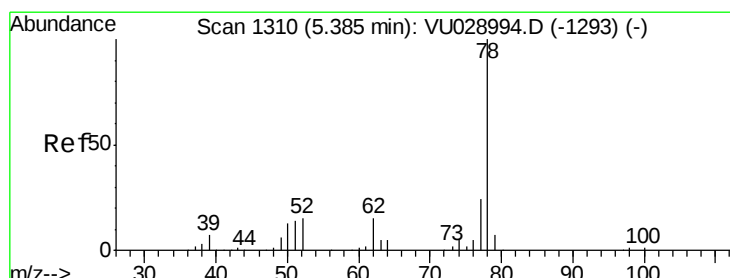
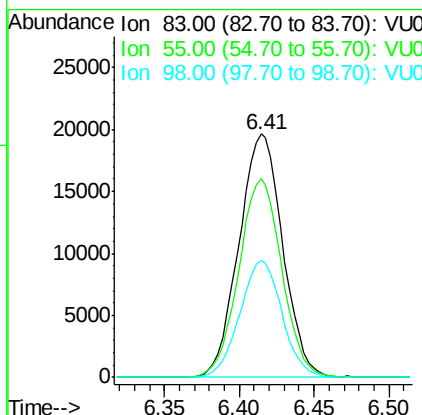
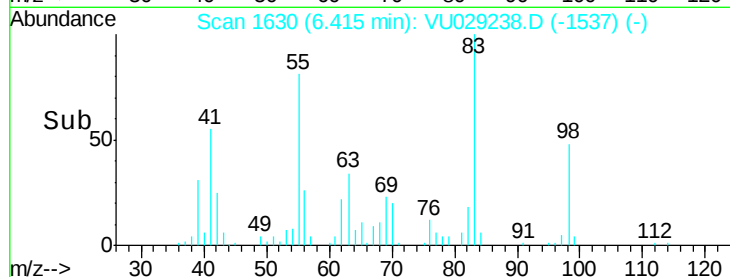
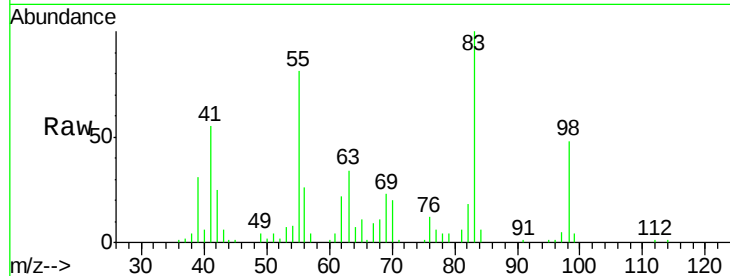
#39
Methvlcvclohexane
Concen: 17.861 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	62.4	93.6
98	48.2	36.2	54.2

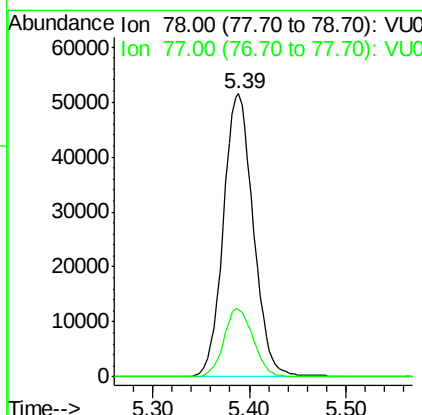
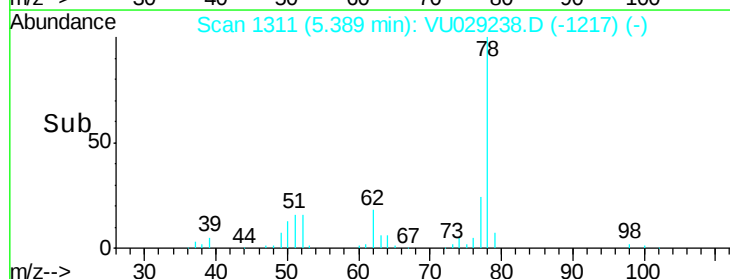
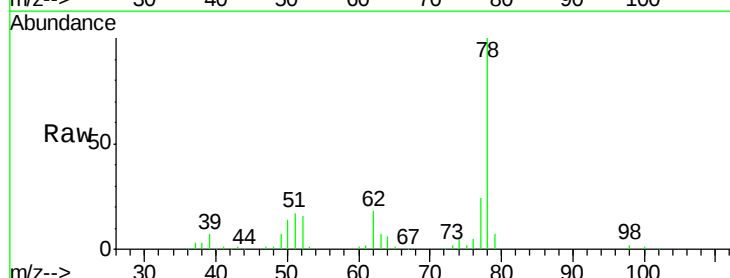
Manual Integrations
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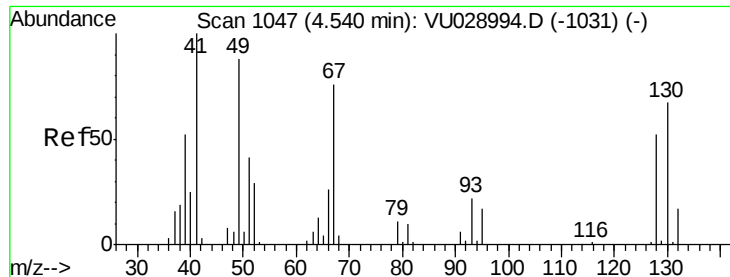
MMDadoda
1/22/2019 10:40:12 AM



#40
Benzene
Concen: 19.549 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





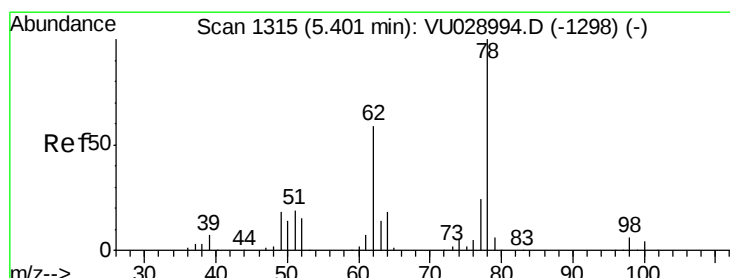
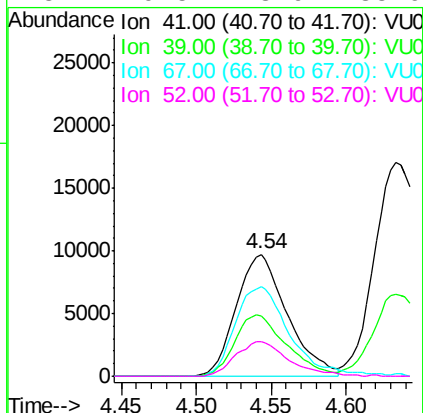
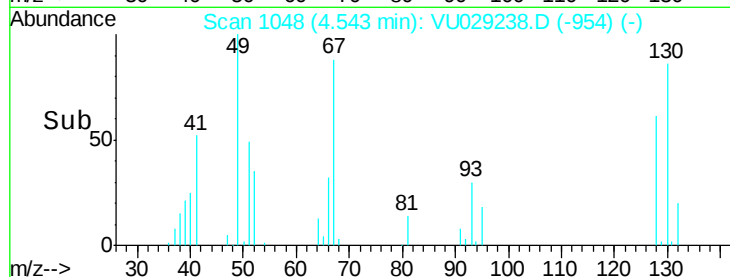
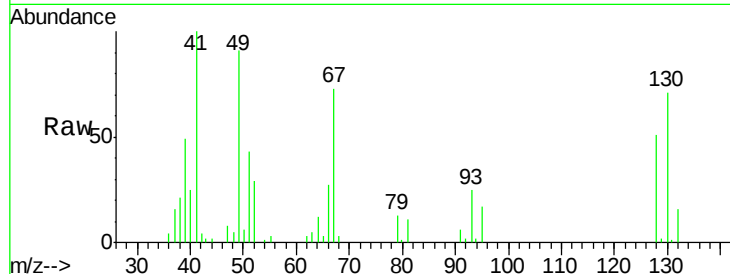
#41
Methacrylonitrile
Concen: 21.622 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.7	42.3	63.5	
67	77.8	64.4	96.6	
52	29.5	23.9	35.9	

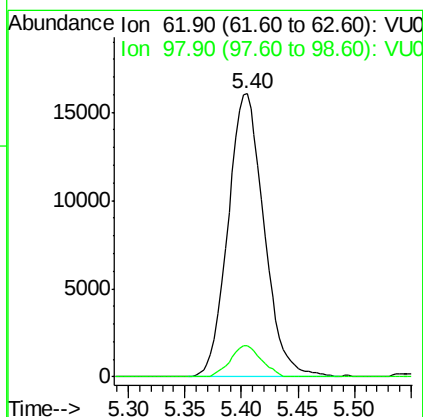
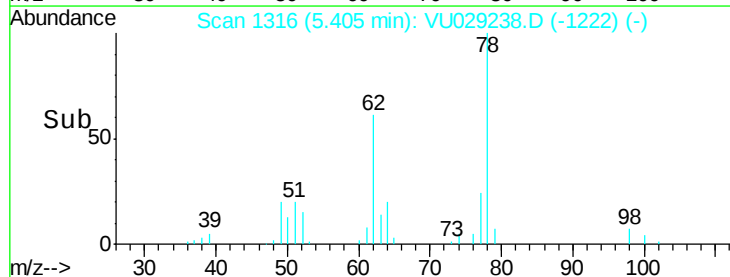
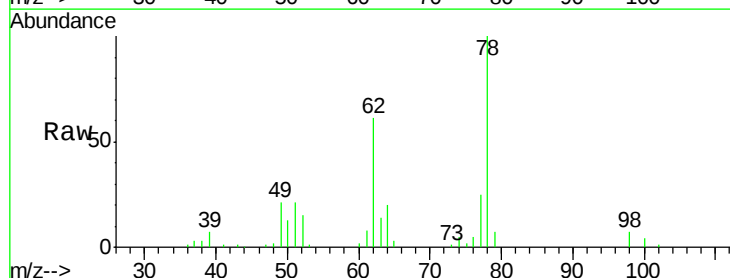
Manual Integrations
APPROVED

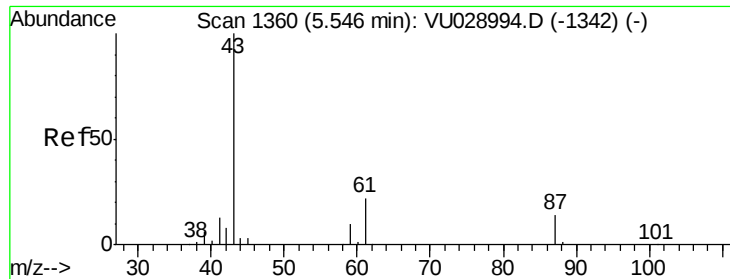
MMDadoda
1/22/2019 10:40:12 AM



#42
1,2-Dichloroethane
Concen: 20.855 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.6	





#43

Isopropyl Acetate

Concen: 21.089 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

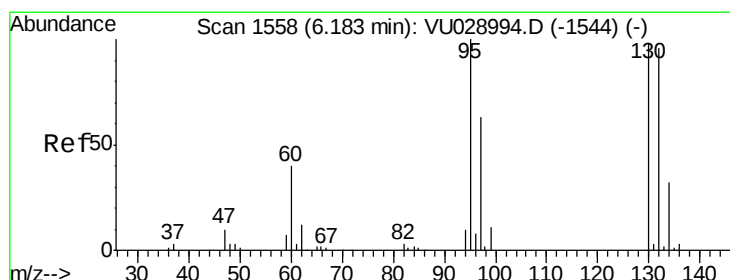
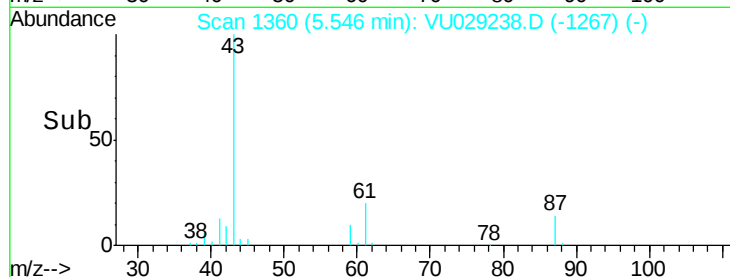
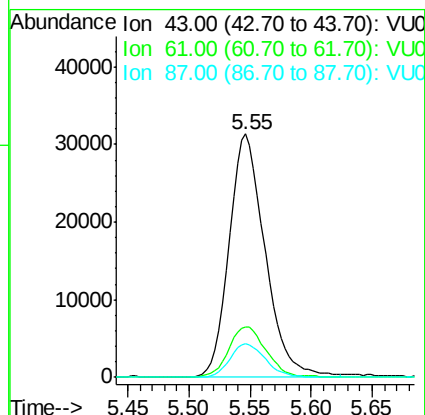
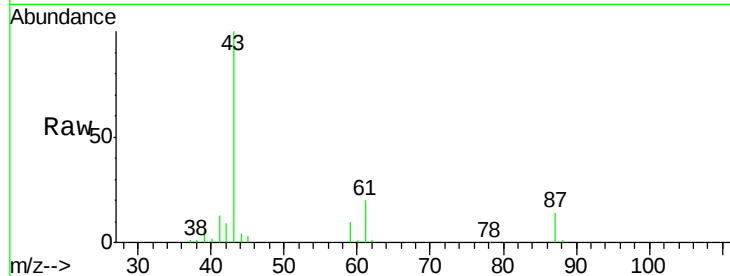
ClientSampleId :

VU0121WBS01

Tot Ion:	43	Resp:	64572
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.8	26.6
87	13.5	11.3	16.9

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#44

Trichloroethene

Concen: 19.216 ug/l

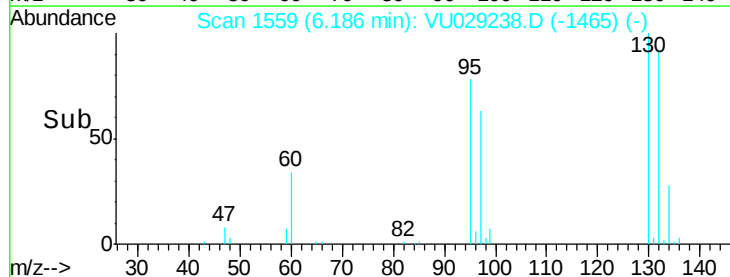
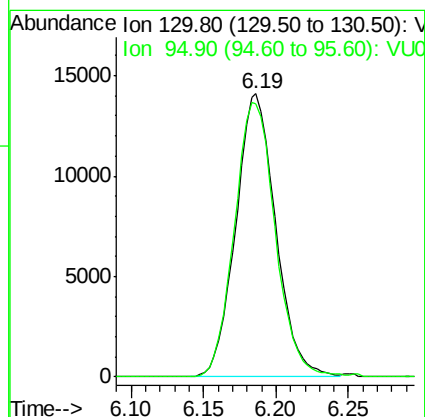
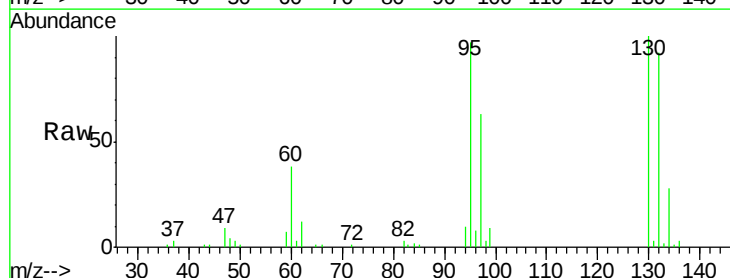
RT: 6.19 min Scan# 1559

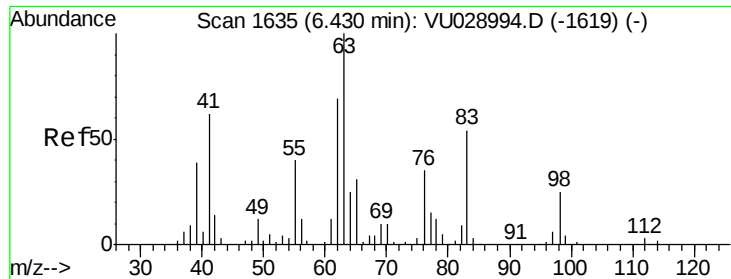
Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion:	130	Resp:	27006
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	205.0





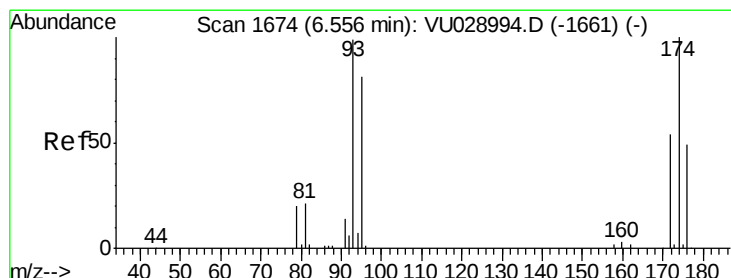
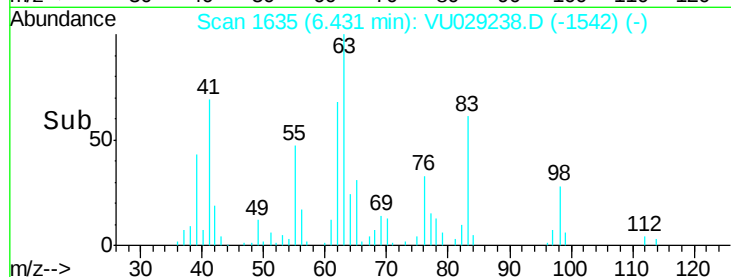
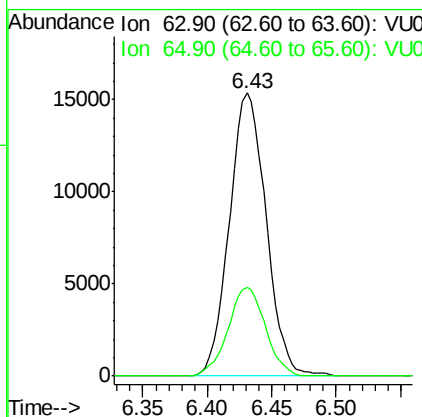
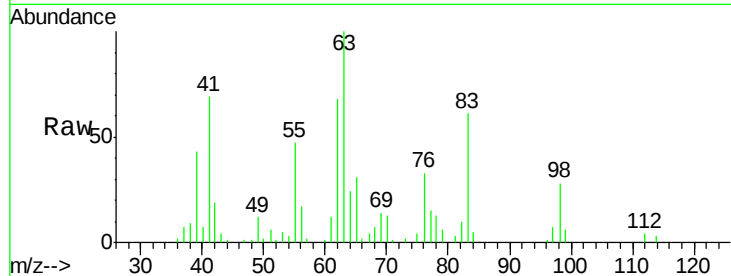
#45
 1,2-Dichloropropane
 Concen: 20.280 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion: 63 Resp: 30378
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7

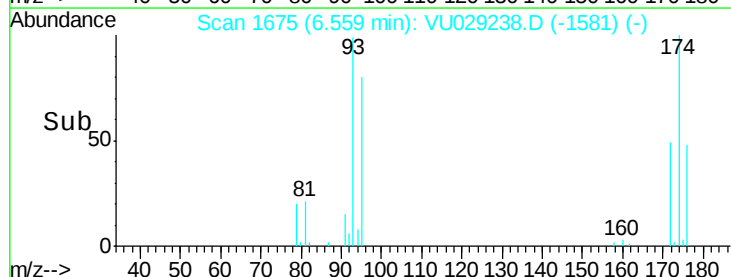
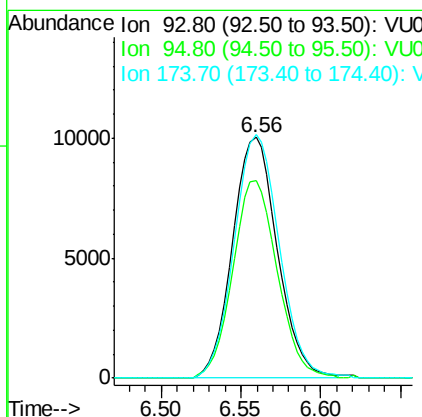
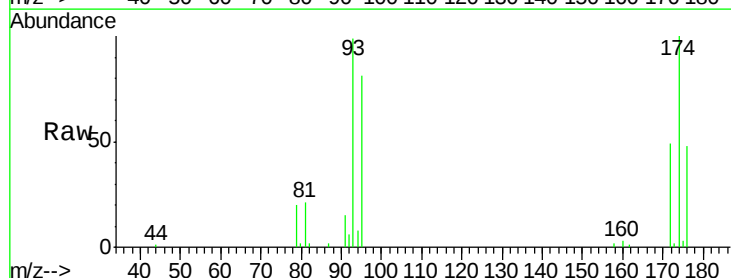
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#46
 Dibromomethane
 Concen: 20.091 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion: 93 Resp: 19238
 Ion Ratio Lower Upper
 93 100
 95 81.1 67.2 100.8
 174 101.8 82.6 123.8





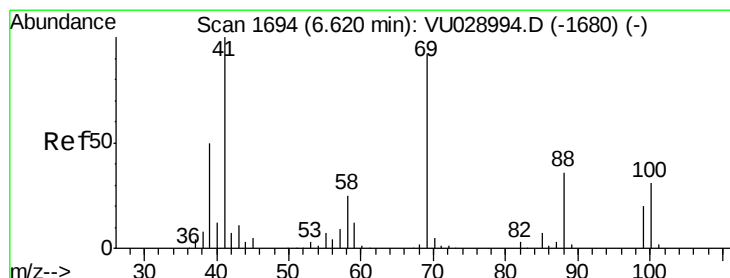
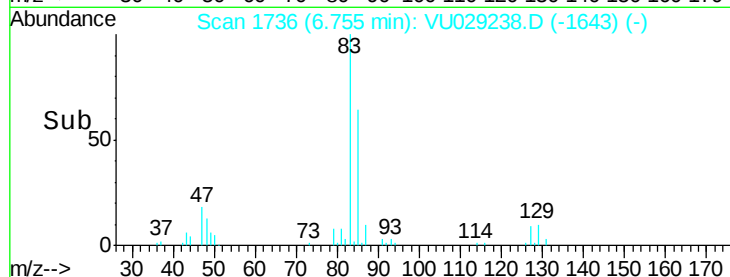
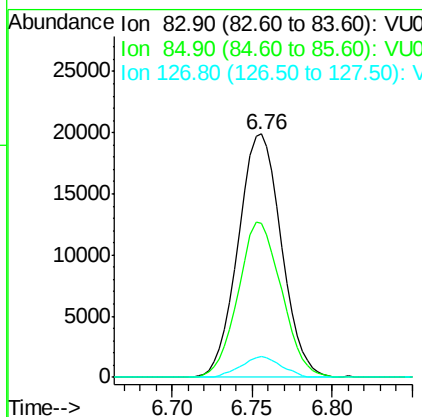
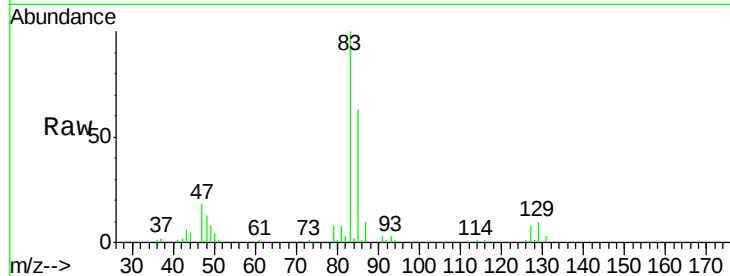
#47
Bromodichloromethane
Concen: 20.817 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	83	Resp	36700
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	51.4	77.2
127	8.4	7.0	10.4

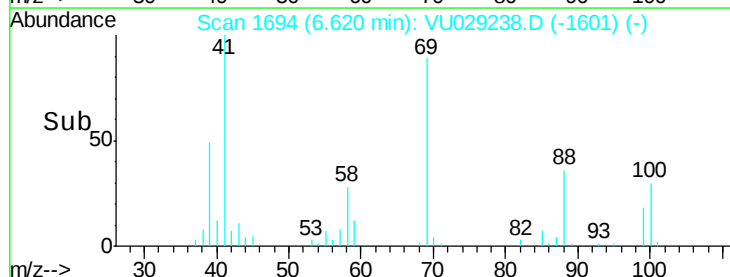
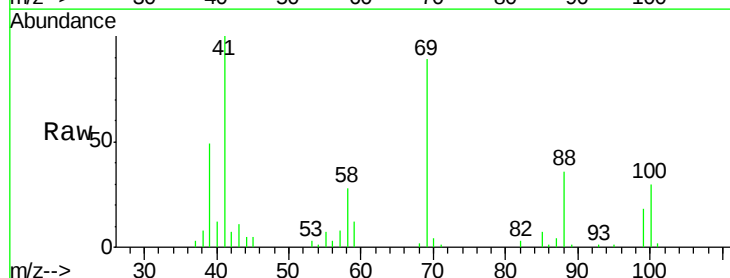
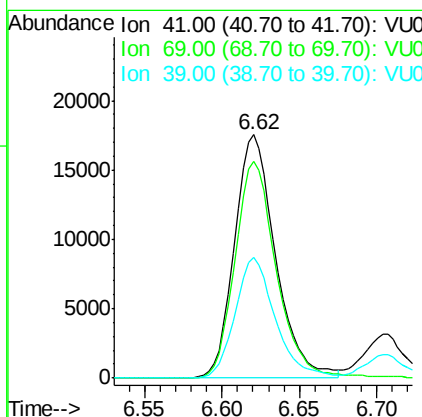
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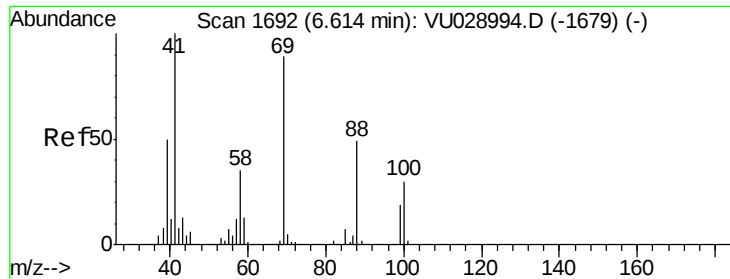
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#48
Methyl methacrylate
Concen: 21.704 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	41	Resp	32358
Ion Ratio	100	Lower	Upper
41	100		
69	89.4	73.6	110.4
39	48.4	39.6	59.4





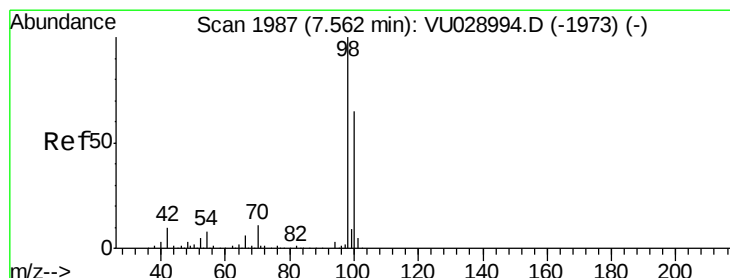
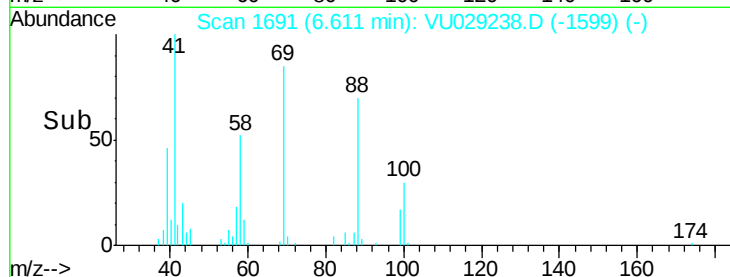
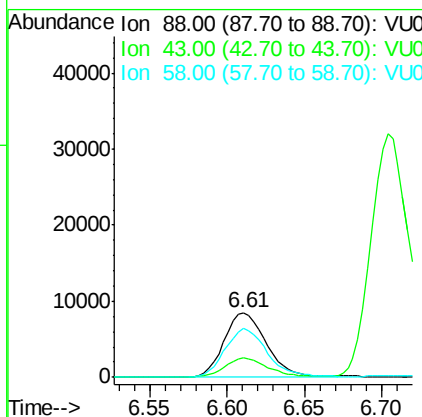
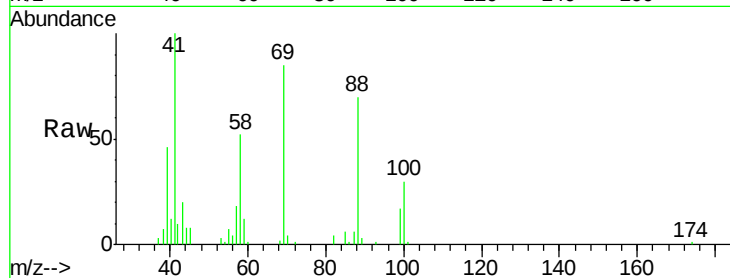
#49
1,4-Dioxane
Concen: 458.676 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.0	34.4
58	74.8	57.9	86.9

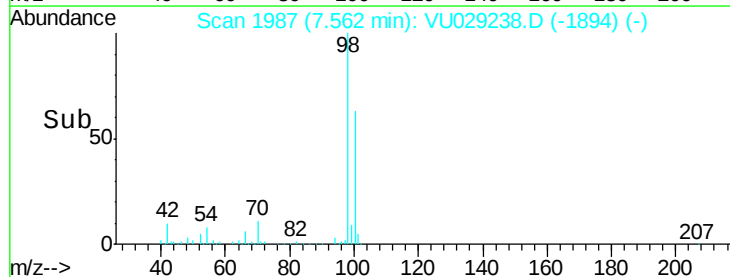
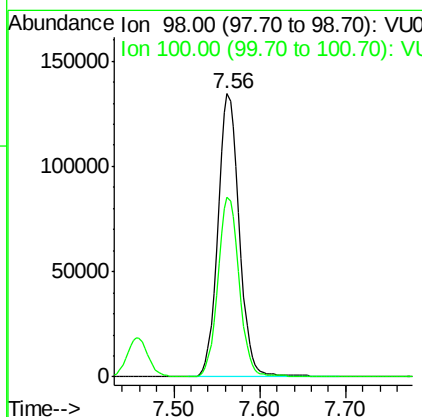
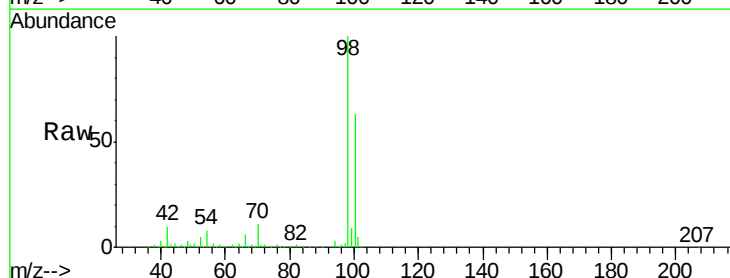
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#50
Toluene-d8
Concen: 49.907 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 106.930 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampled :

VU0121WBS01

Tot Ion: 43 Resp: 222819

Ion Ratio Lower Upper

43 100

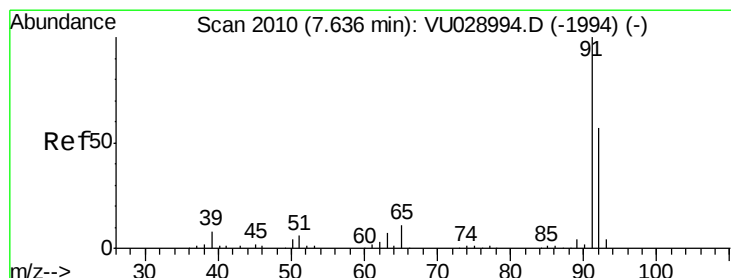
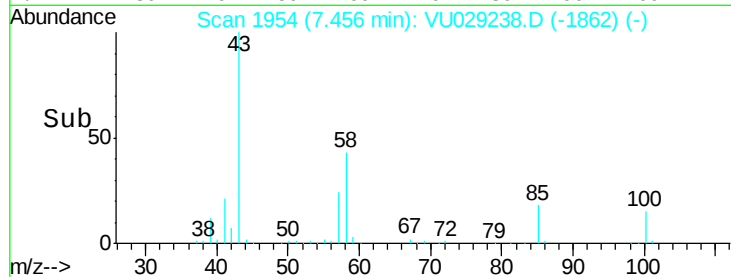
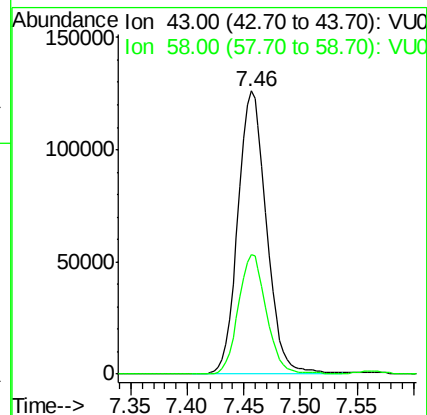
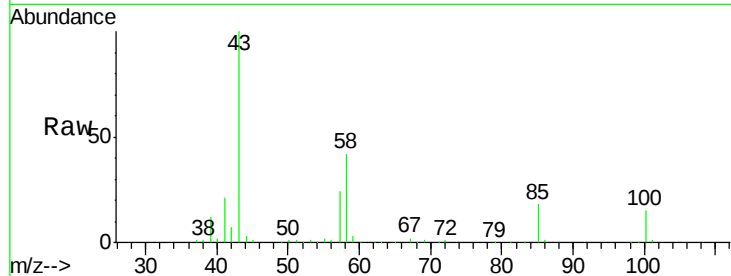
58 41.3 33.9 50.9

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#52

Toluene

Concen: 19.076 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029238.D

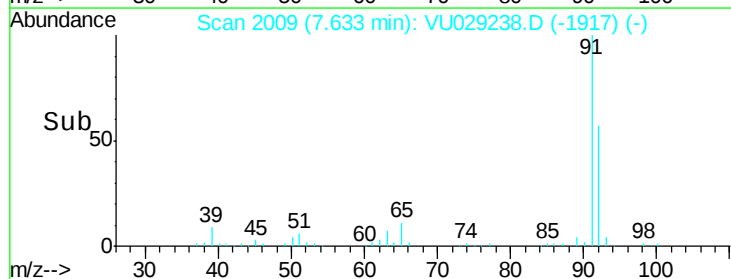
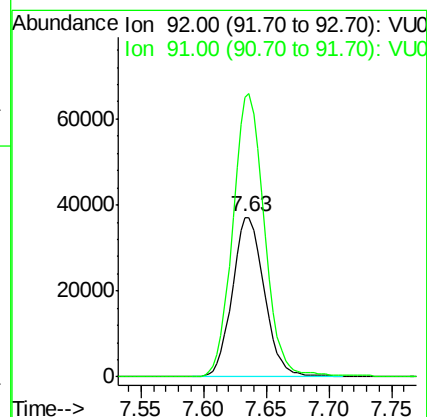
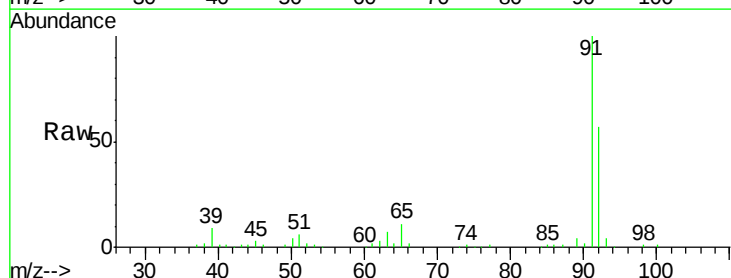
Acq: 21 Jan 2019 10:56

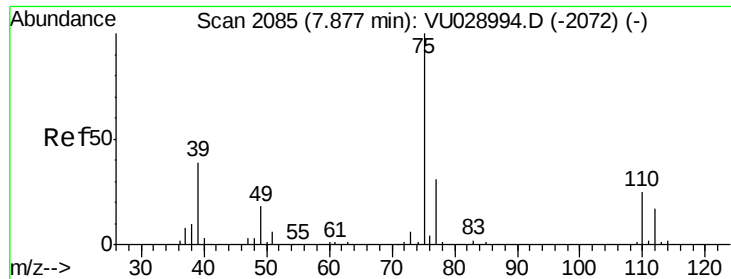
Tgt Ion: 92 Resp: 65871

Ion Ratio Lower Upper

92 100

91 175.8 139.8 209.8





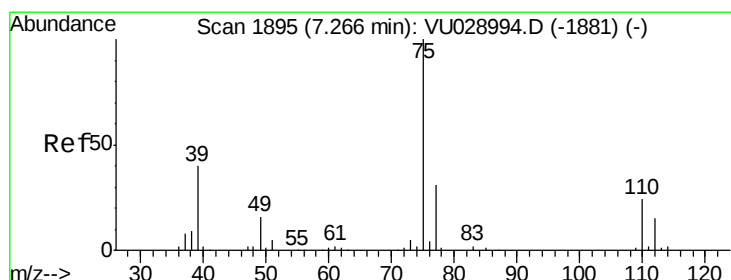
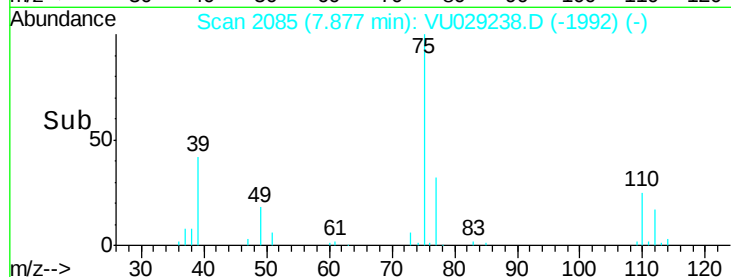
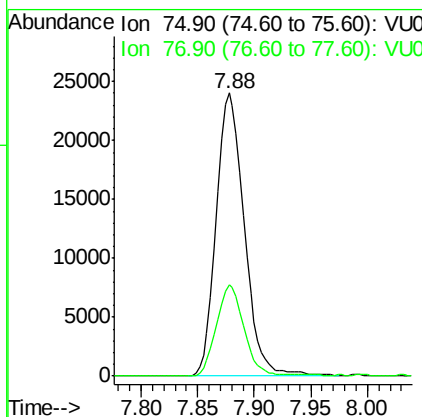
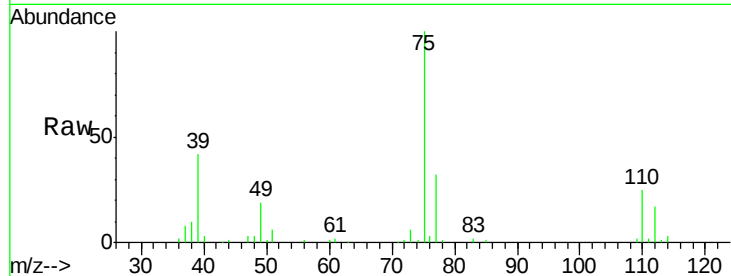
#53
t-1,3-Dichloropropene
Concen: 19.670 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion: 75 Resp: 41659
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4

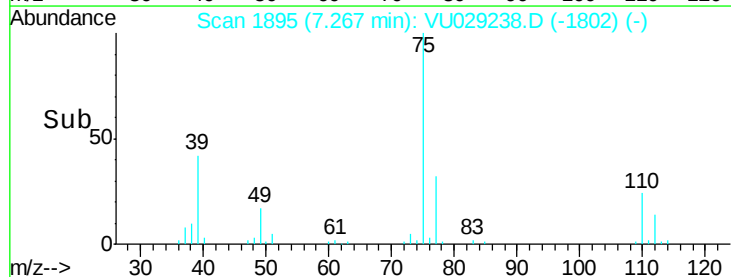
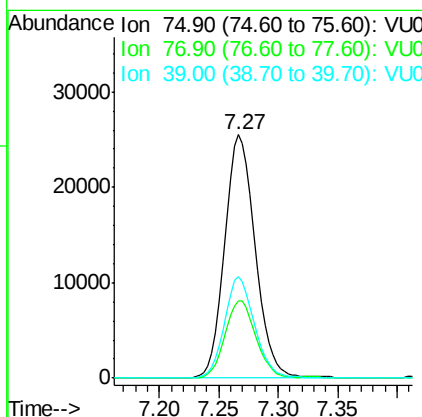
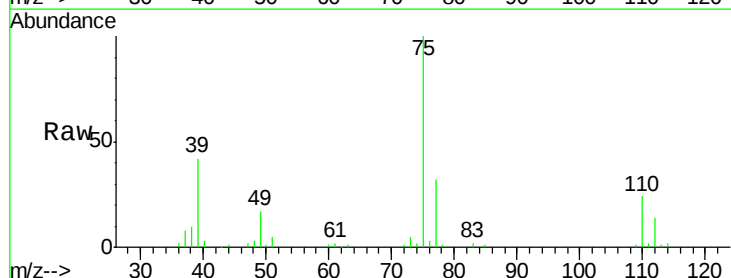
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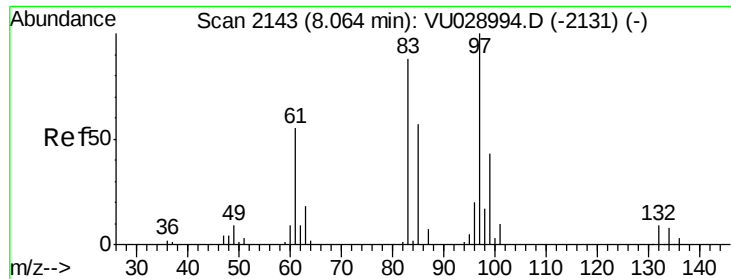
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#54
cis-1,3-Dichloropropene
Concen: 19.868 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion: 75 Resp: 45467
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 41.8 32.2 48.4





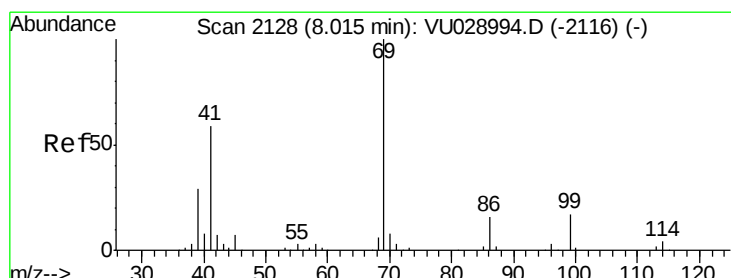
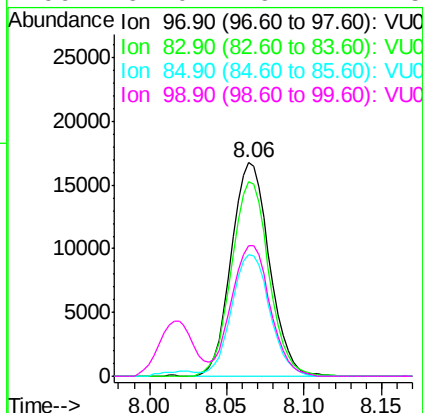
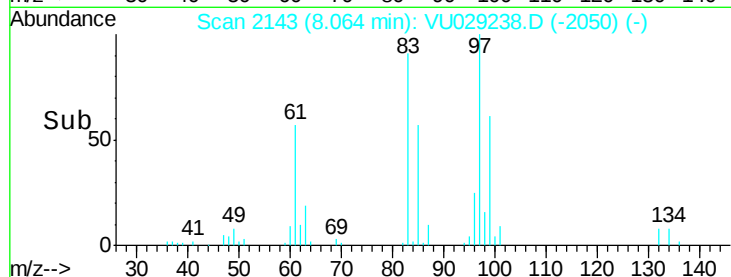
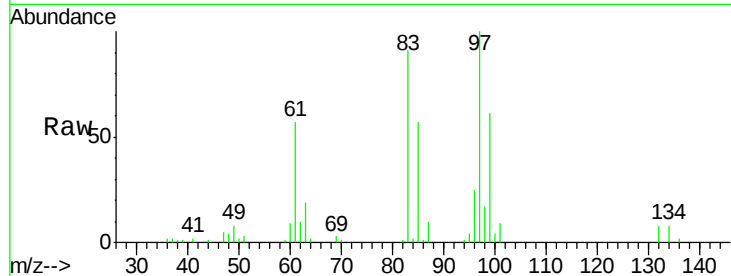
#55
1,1,2-Trichloroethane
Concen: 20.745 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		28697		
83	90.9	69.8	104.8		
85	56.8	47.3	70.9		
99	61.0	49.7	74.5		

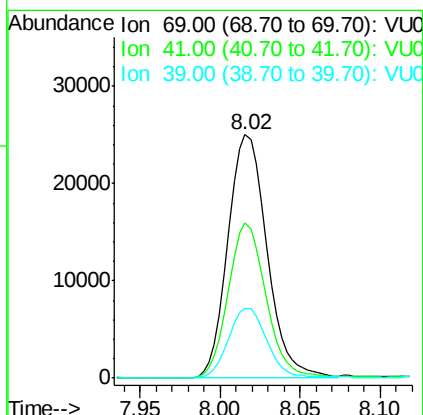
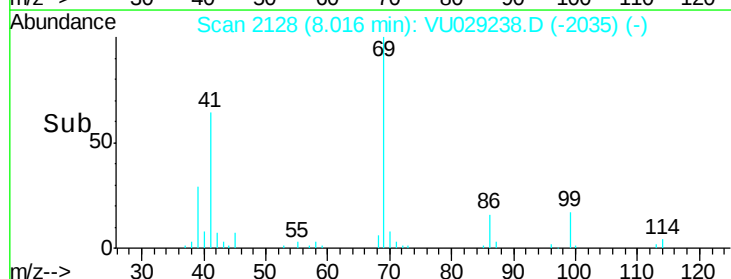
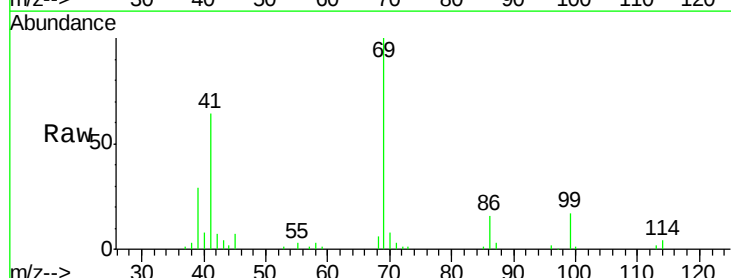
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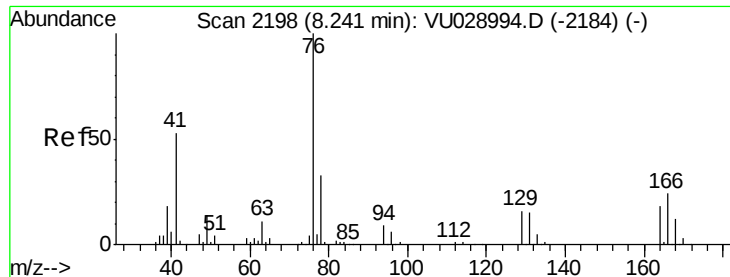
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#56
Ethyl methacrylate
Concen: 19.595 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		41761		
41	61.6	47.5	71.3		
39	28.6	22.5	33.7		





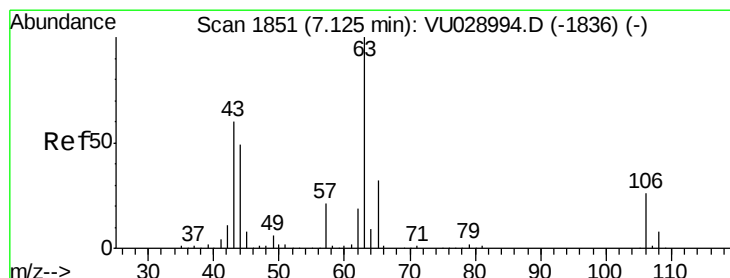
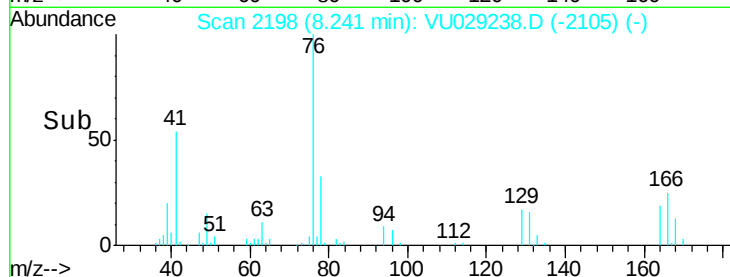
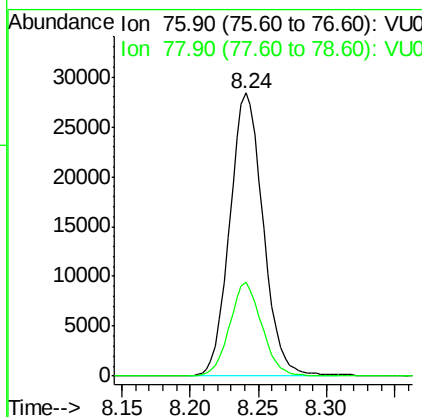
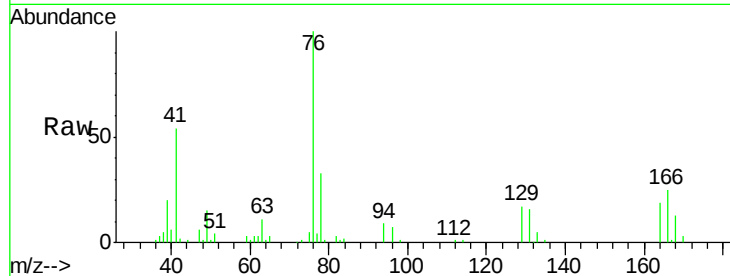
#57
 1,3-Dichloropropane
 Concen: 20.395 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion: 76 Resp: 48276
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0

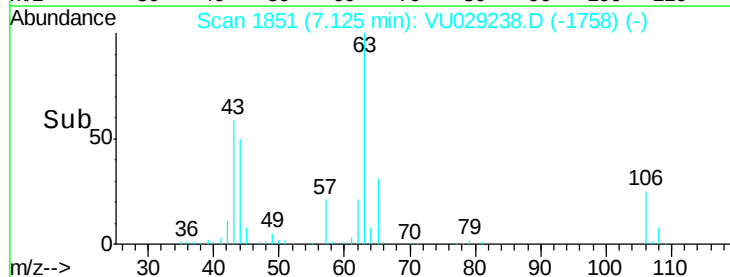
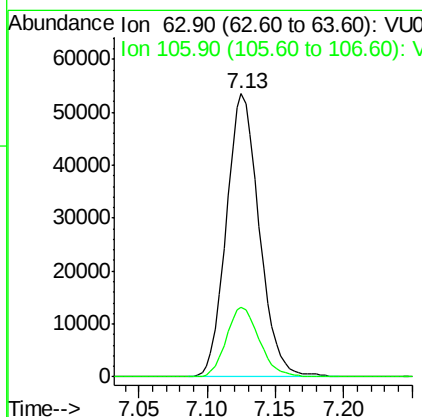
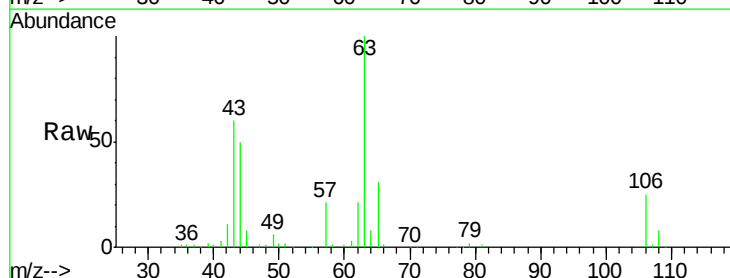
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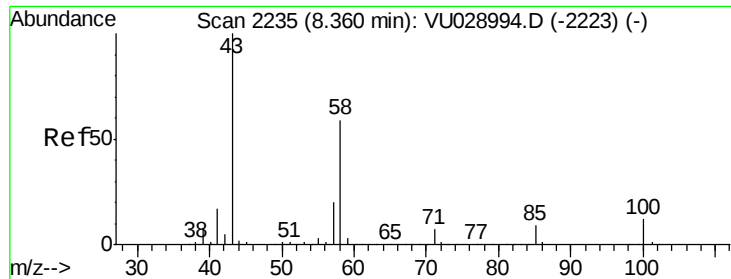
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.809 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion: 63 Resp: 89798
 Ion Ratio Lower Upper
 63 100
 106 24.6 20.6 31.0





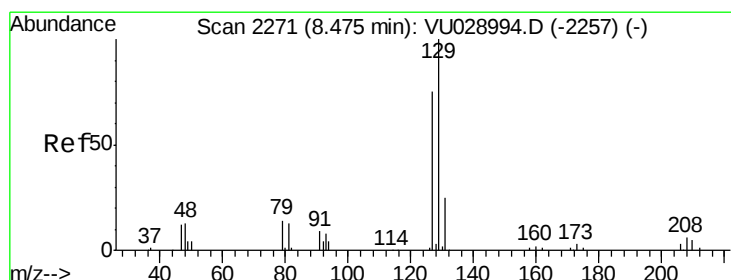
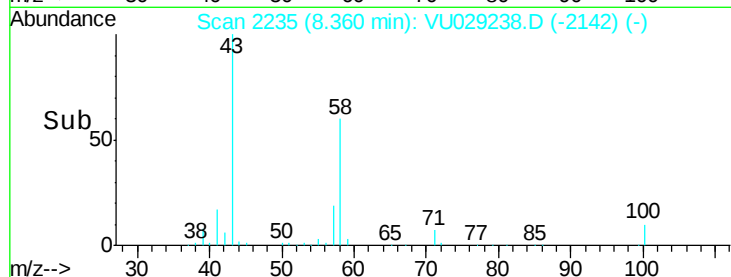
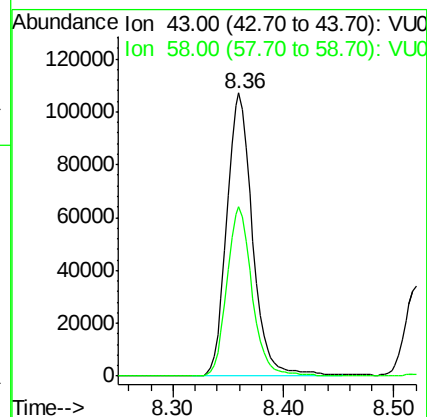
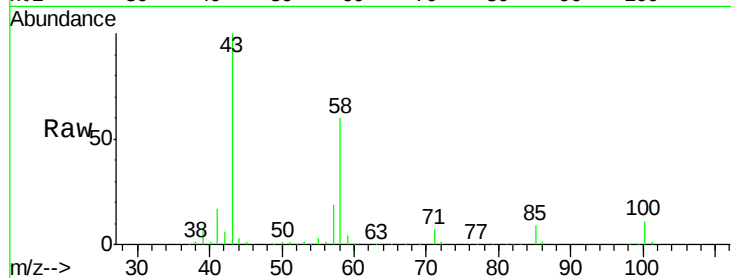
#59
2-Hexanone
Concen: 106.691 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion: 43 Resp: 174514
Ion Ratio Lower Upper
43 100
58 58.3 29.8 89.4

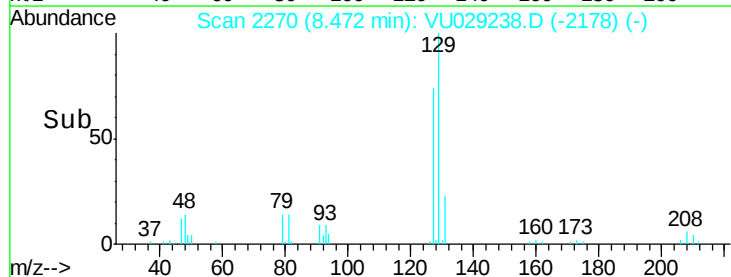
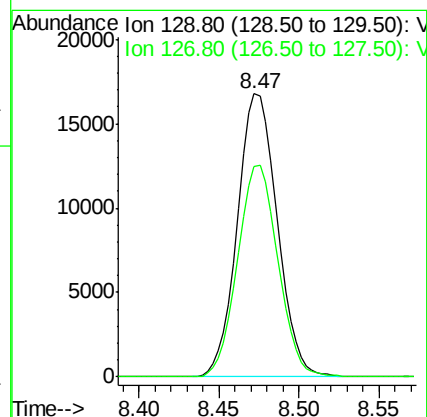
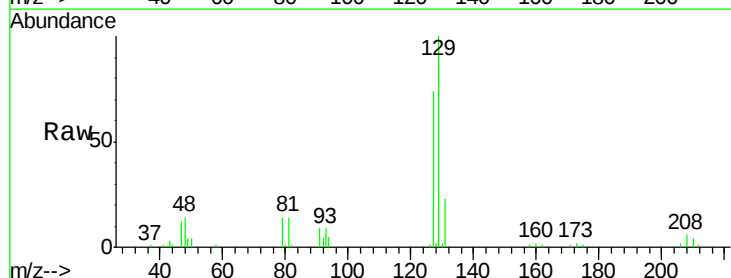
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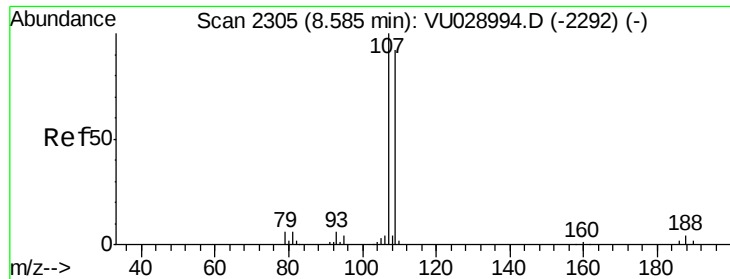
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#60
Dibromochloromethane
Concen: 20.776 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion: 129 Resp: 28473
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.0





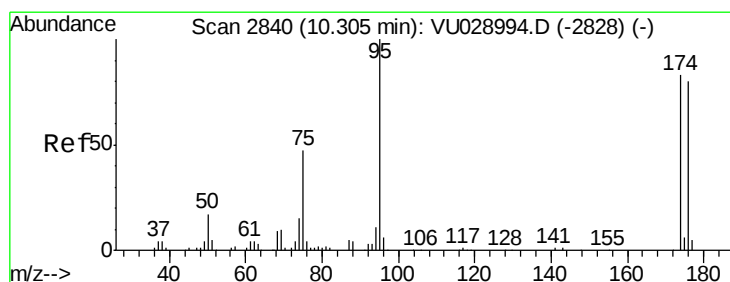
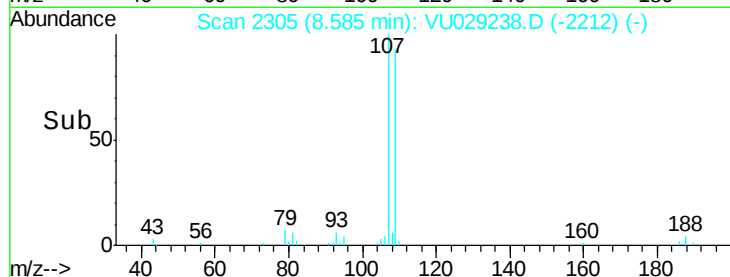
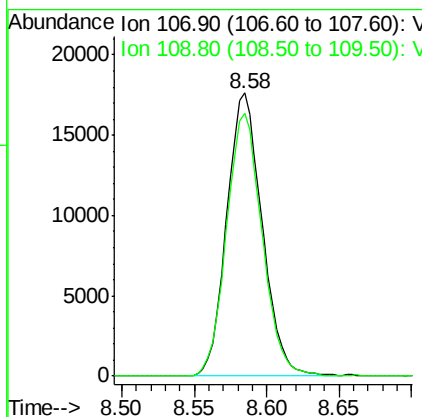
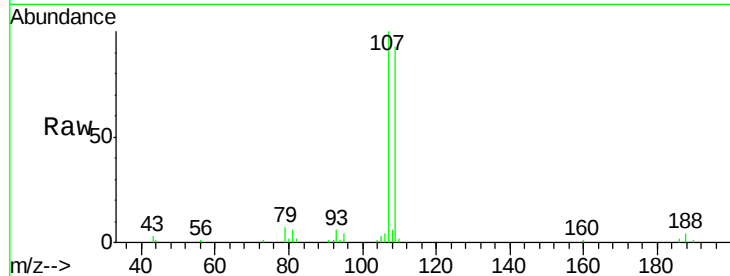
#61
 1,2-Dibromoethane
 Concen: 19.952 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion:107 Resp: 29934
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.5 113.3

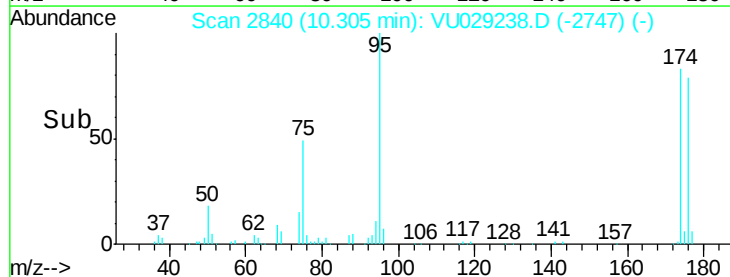
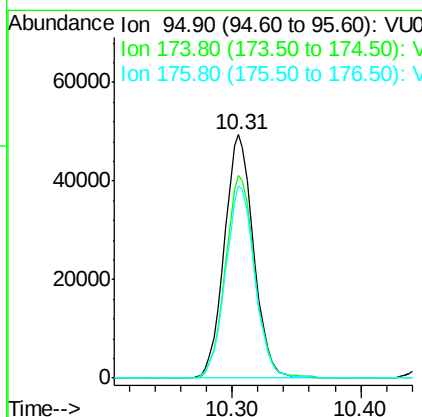
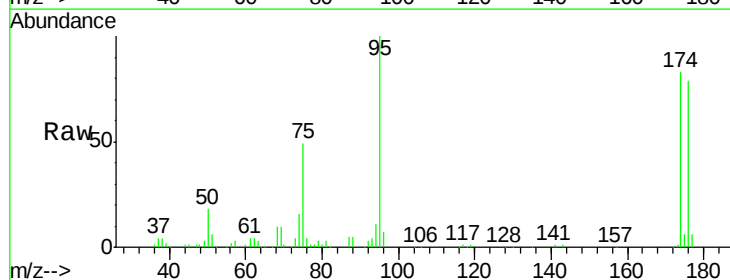
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#62
 4-Bromofluorobenzene
 Concen: 46.318 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion: 95 Resp: 77498
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 170.6
 176 79.6 0.0 165.0





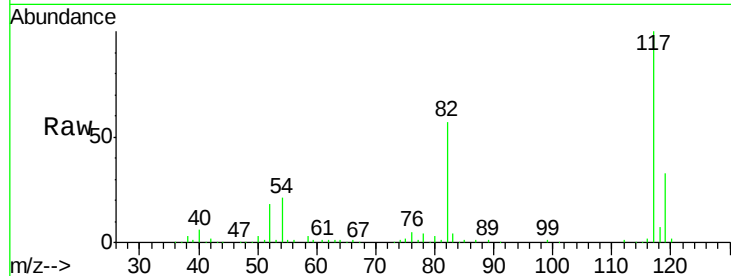
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampled :
VU0121WBS01

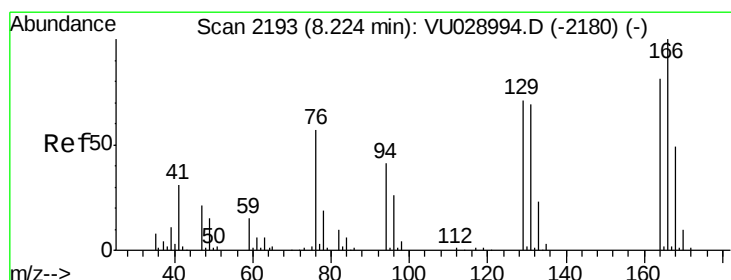
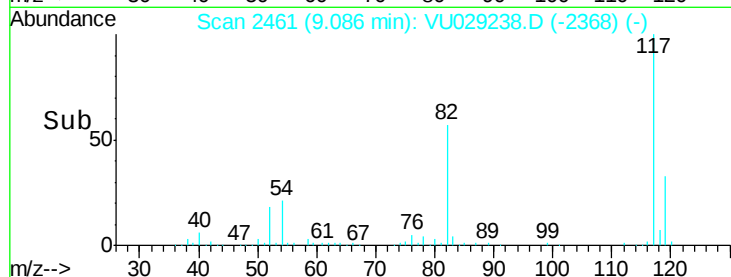
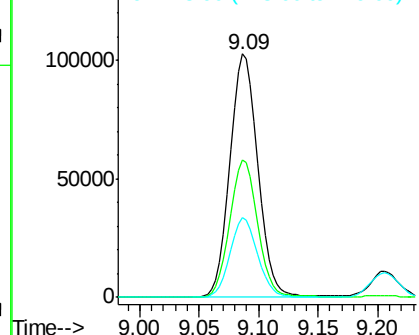
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	43.9	65.9
119	32.6	26.0	39.0

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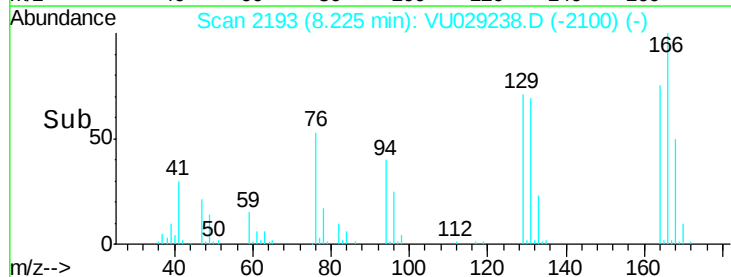
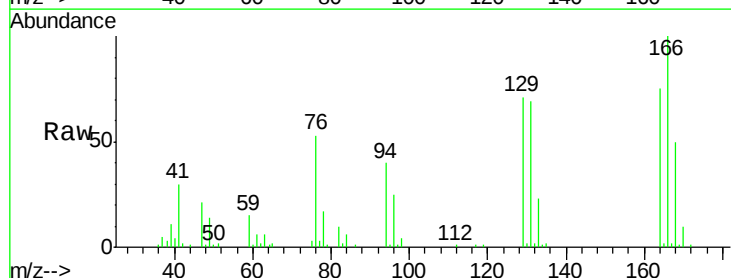
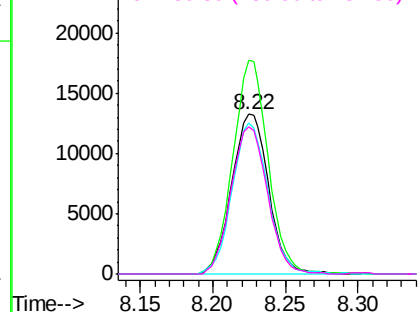
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

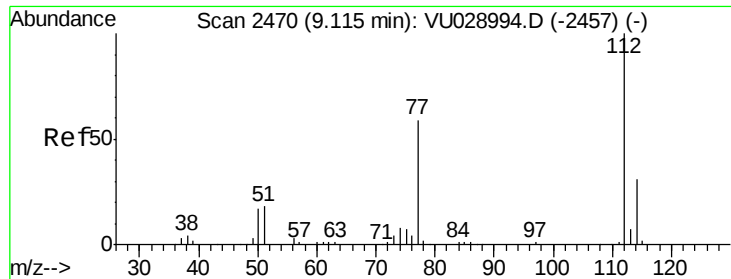


#64
Tetrachloroethene
Concen: 19.257 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	99.4	149.0
129	94.7	70.5	105.7
131	92.5	69.0	103.6

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





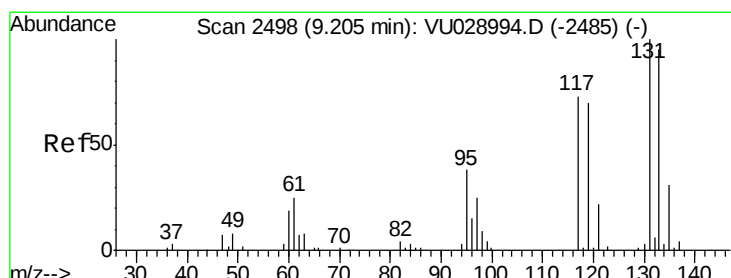
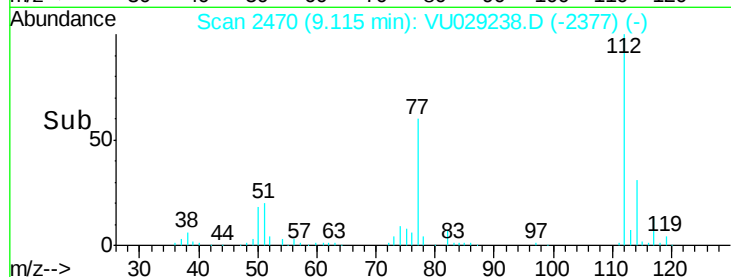
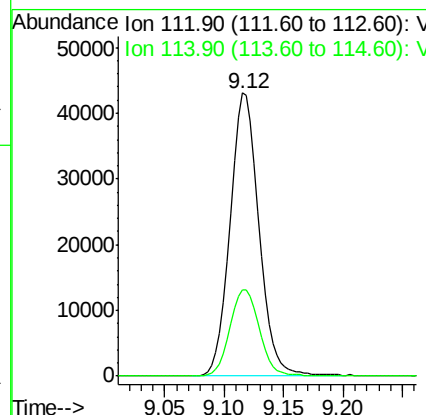
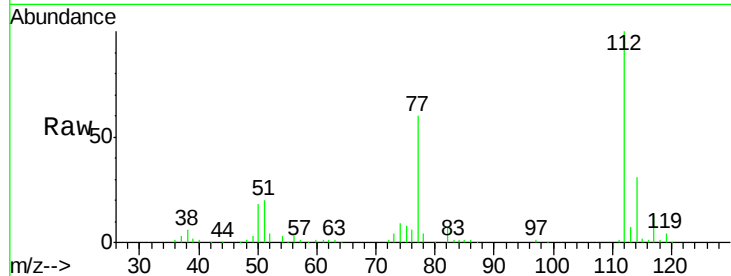
#65
Chlorobenzene
Concen: 19.261 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion:112 Resp: 72725
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.6

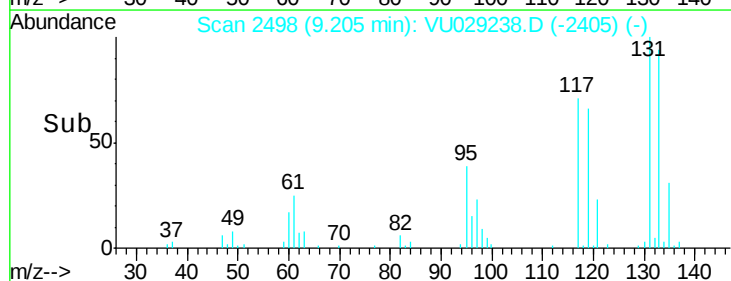
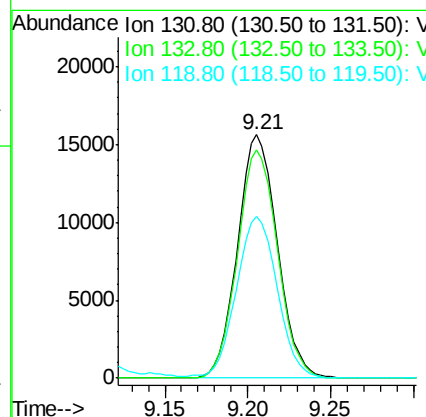
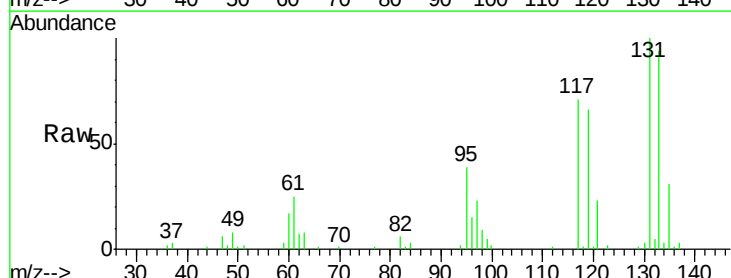
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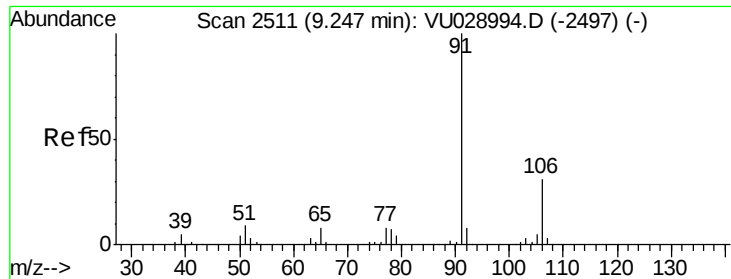
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.314 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion:131 Resp: 26116
Ion Ratio Lower Upper
131 100
133 94.1 48.2 144.6
119 68.2 35.4 106.3





#67

Ethyl Benzene

Concen: 19.606 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 91 Resp: 123588

Ion Ratio Lower Upper

91 100

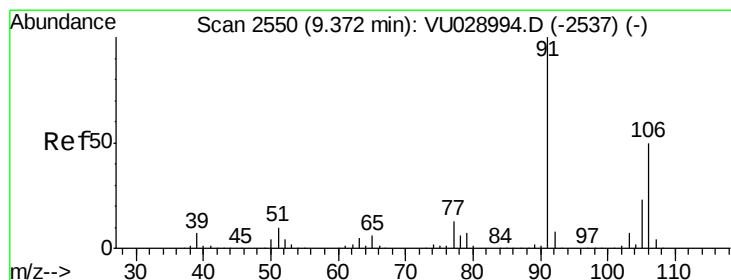
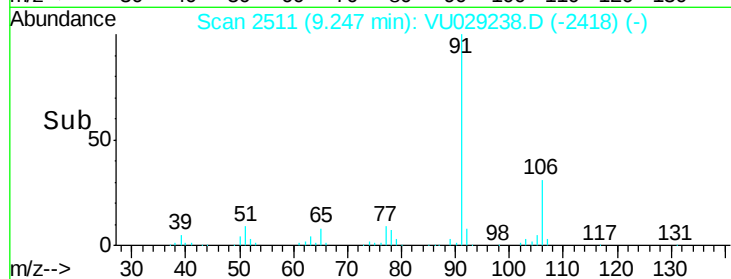
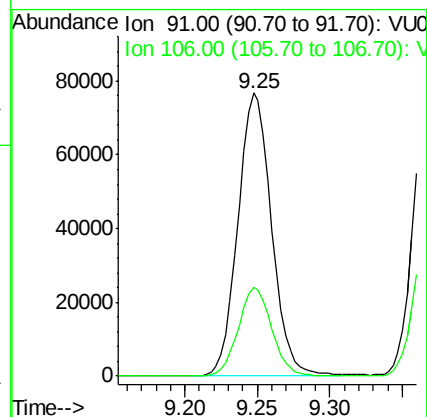
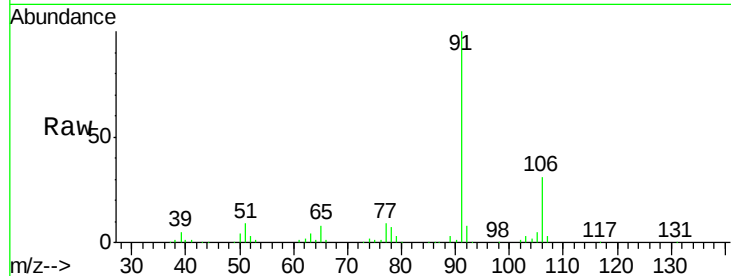
106 31.4 25.0 37.4

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#68

m/p-Xylenes

Concen: 38.610 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029238.D

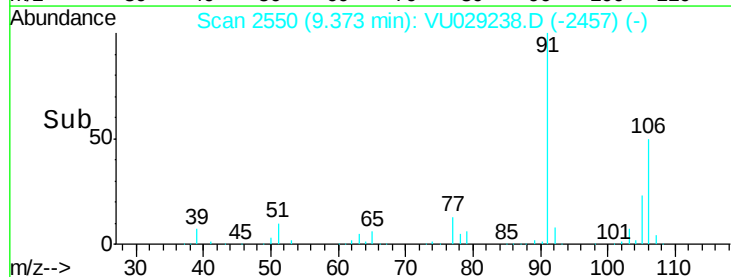
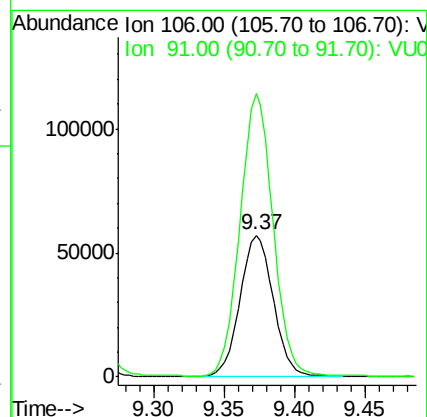
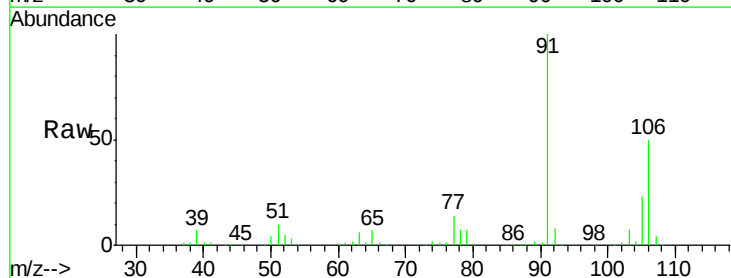
Acq: 21 Jan 2019 10:56

Tgt Ion: 106 Resp: 94567

Ion Ratio Lower Upper

106 100

91 198.9 161.7 242.5





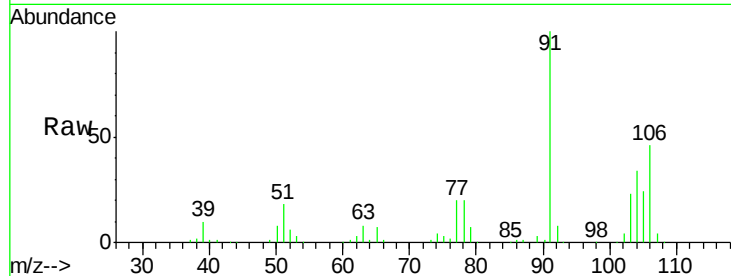
#69
o-Xylene
Concen: 19.123 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

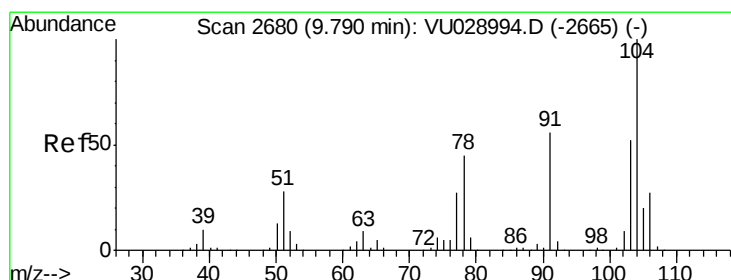
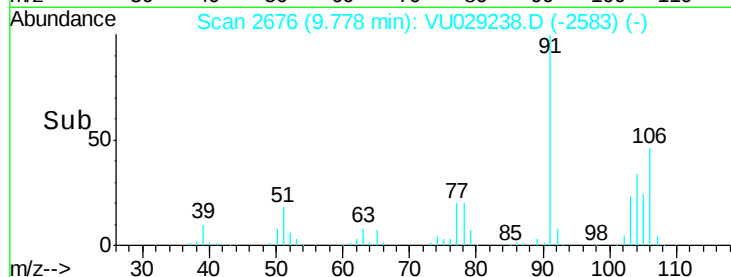
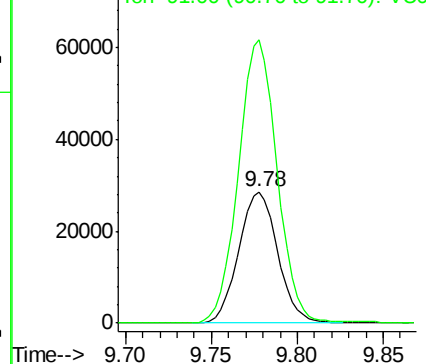
Tot Ion:106 Resp: 45131
Ion Ratio Lower Upper
106 100
91 213.9 106.1 318.3

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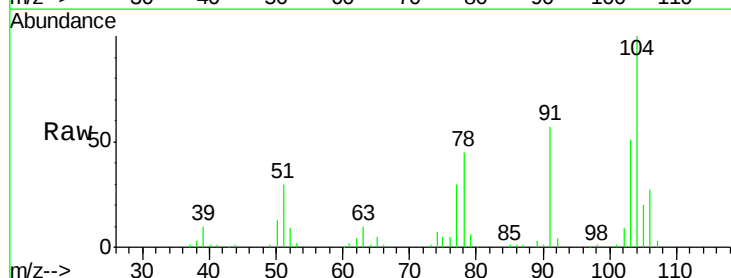


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

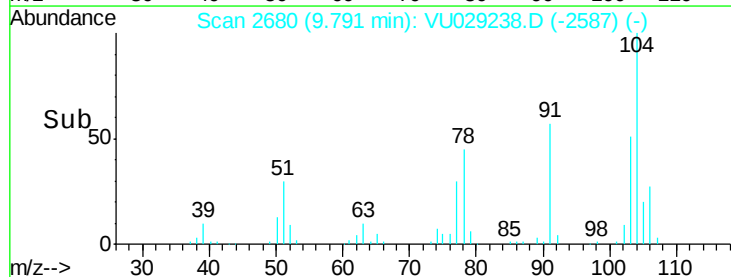
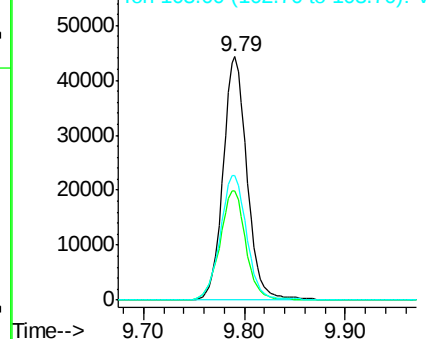


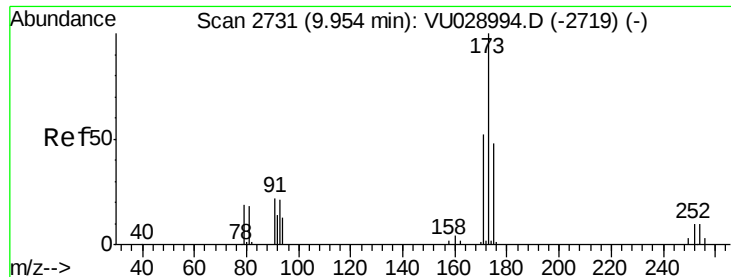
#70
Styrene
Concen: 18.996 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion:104 Resp: 73494
Ion Ratio Lower Upper
104 100
78 48.6 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: 20.213 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:173 Resp: 22053

Ion Ratio Lower Upper

173 100

175 48.3 23.8 71.2

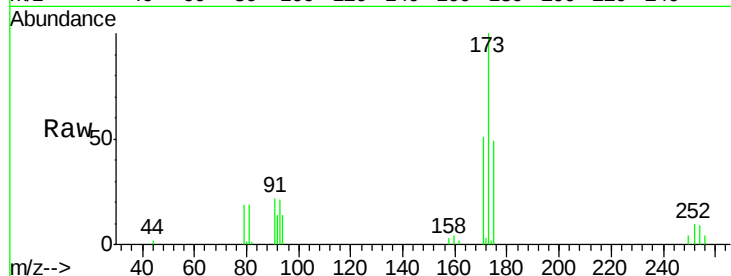
254 0.0 0.0 0.0

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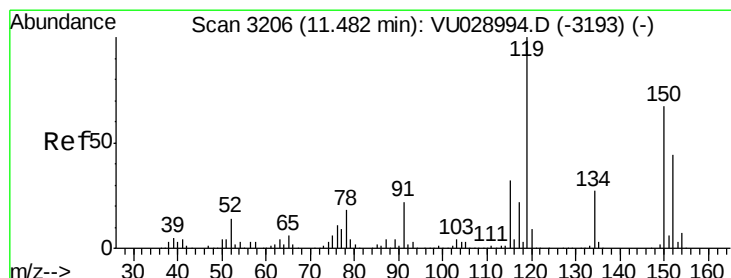
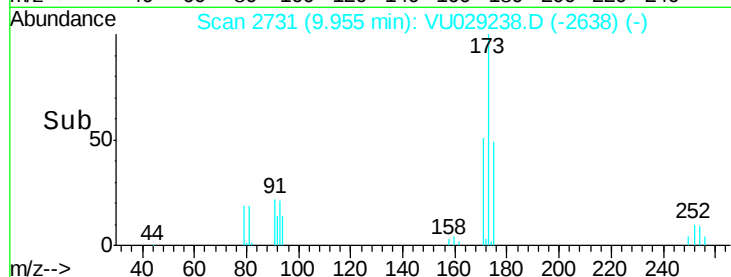
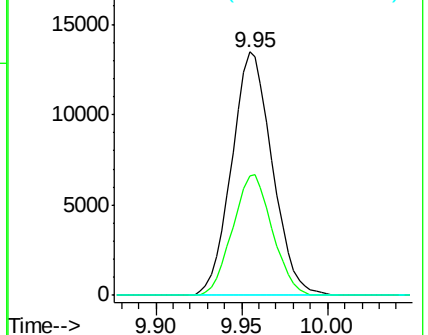
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

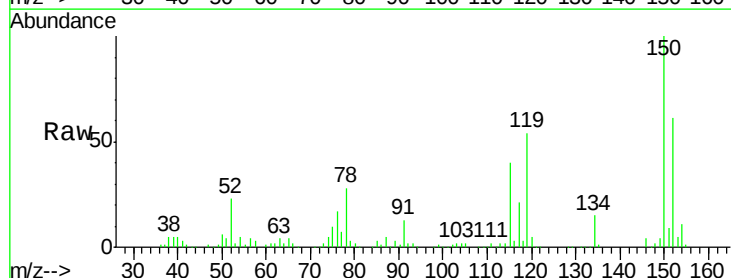
Tgt Ion:152 Resp: 70708

Ion Ratio Lower Upper

152 100

115 68.2 40.1 120.3

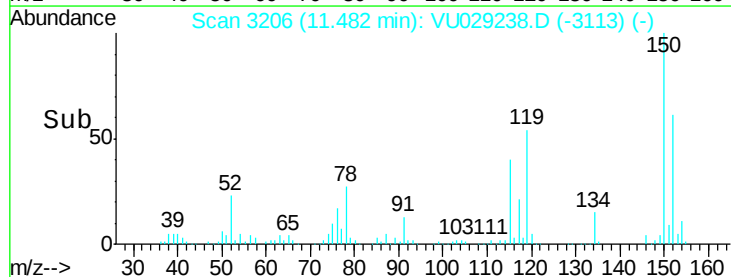
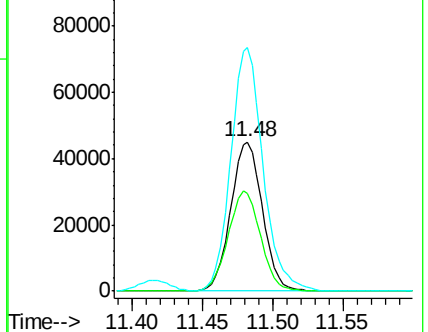
150 166.0 0.0 345.2

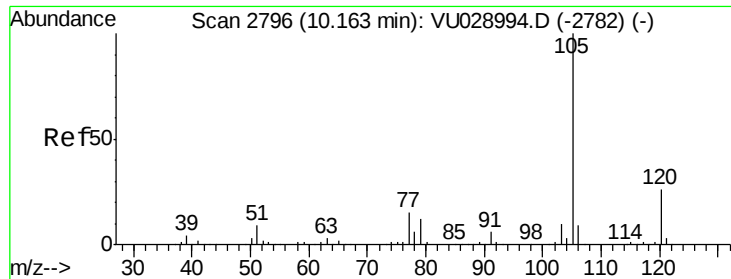


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.165 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 105 Resp: 116003

Ion Ratio Lower Upper

105 100

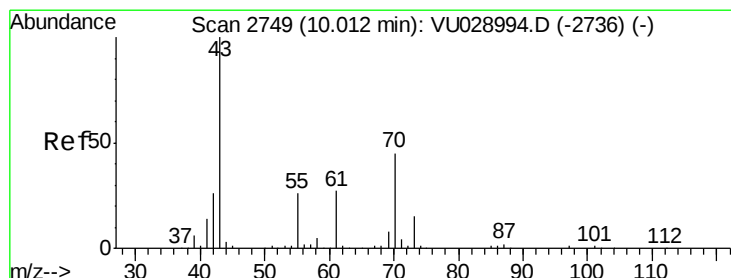
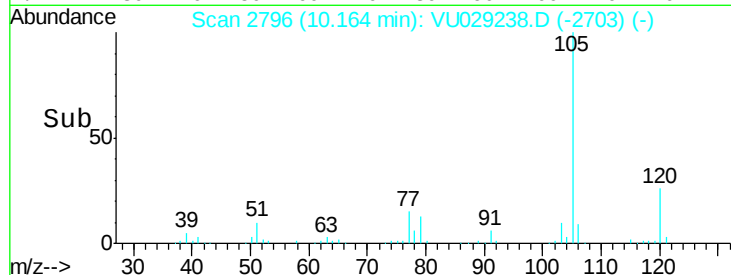
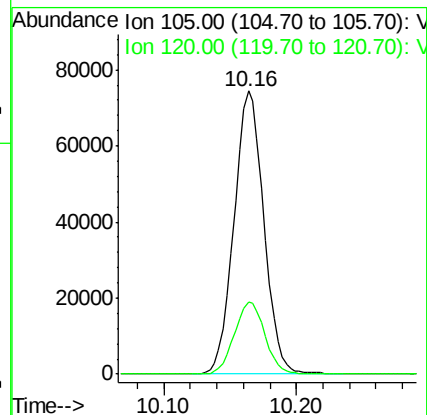
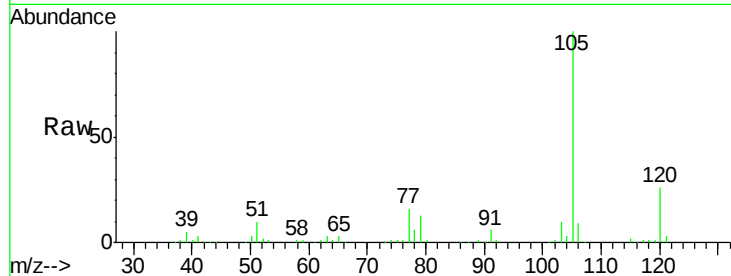
120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 22.984 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion: 43 Resp: 51834

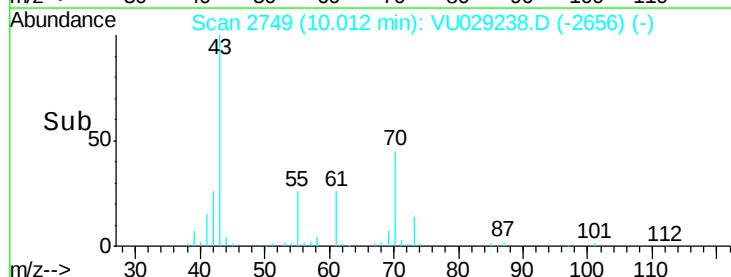
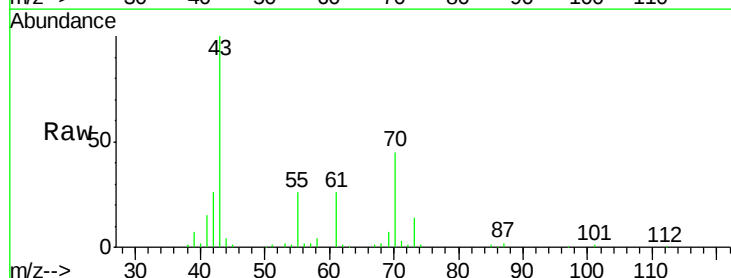
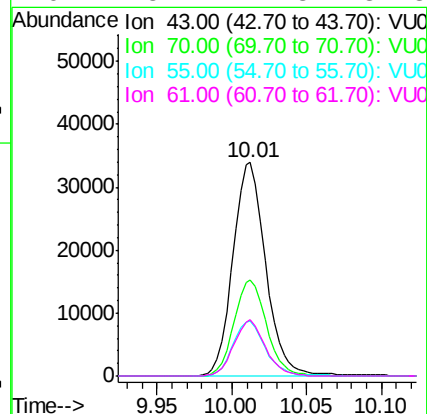
Ion Ratio Lower Upper

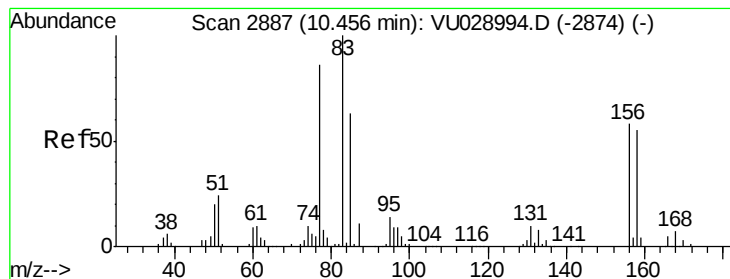
43 100

70 44.5 36.3 54.5

55 25.4 20.5 30.7

61 25.2 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.083 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

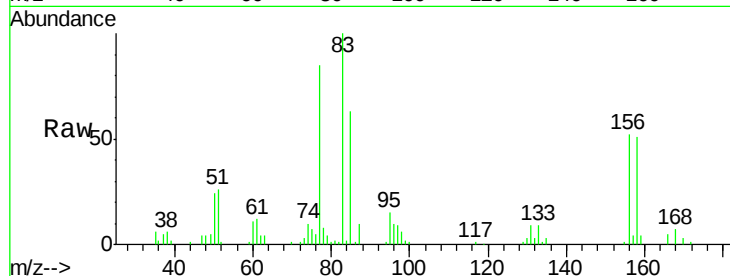
ClientSampleId :

VU0121WBS01

Tot Ion:	83	Resp:	46321
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.7	14.1
85	63.9	32.0	96.2

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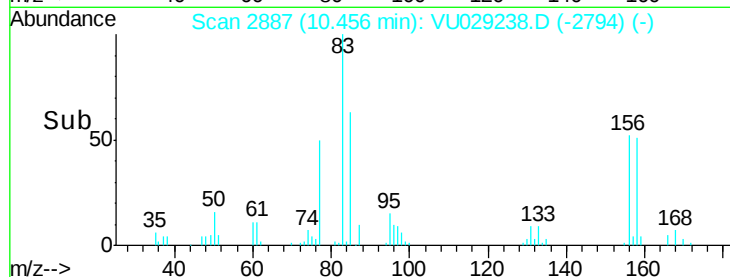


Abundance Ion 82.90 (82.60 to 83.60): VU029238.D (-2874) (-)

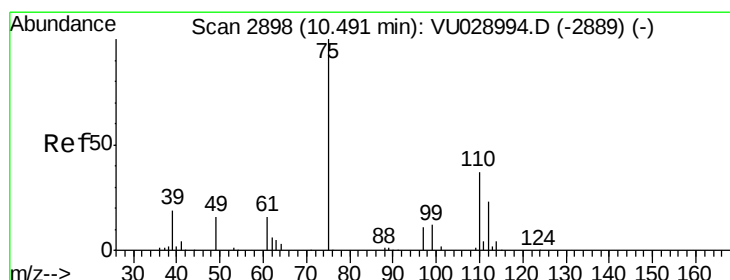
Ion 130.80 (130.50 to 131.50): VU029238.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU029238.D (-2874) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.373 ug/l m

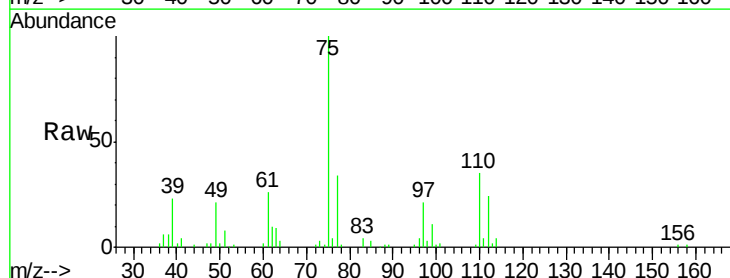
RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

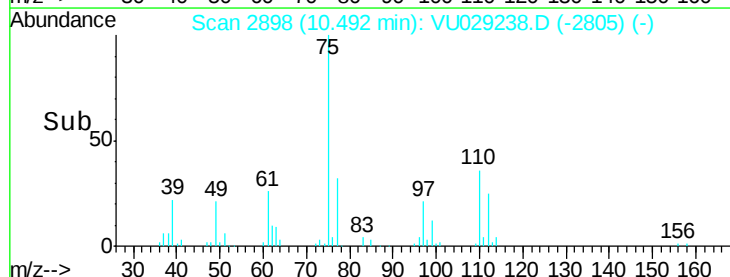
Tgt Ion:	75	Resp:	40493
Ion Ratio	Lower	Upper	
75	100		
77	43.4	20.9	62.8



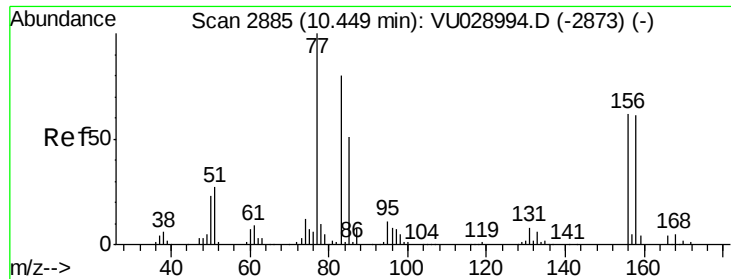
Abundance Ion 74.90 (74.60 to 75.60): VU029238.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU029238.D (-2889) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 19.931 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

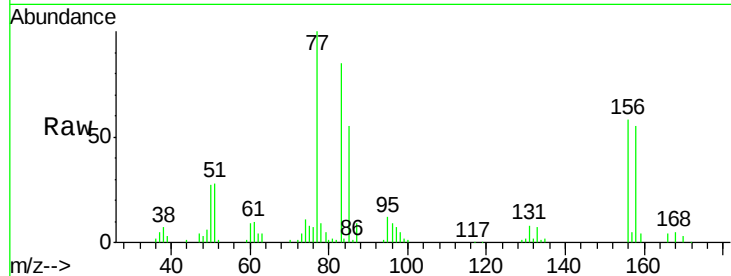
ClientSampleId :

VU0121WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.1	79.0	237.2
158	97.9	48.9	146.6

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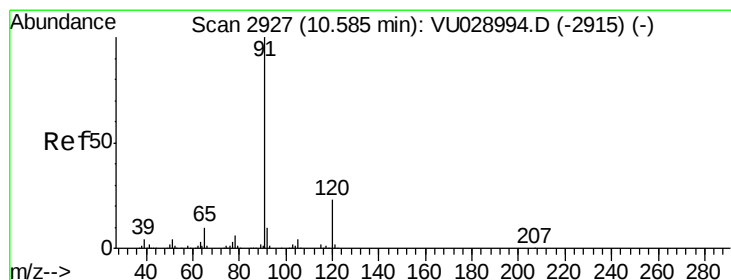
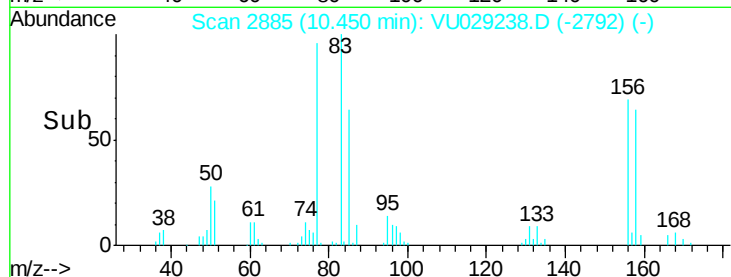
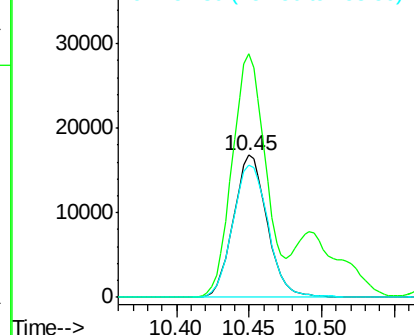


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.713 ug/l

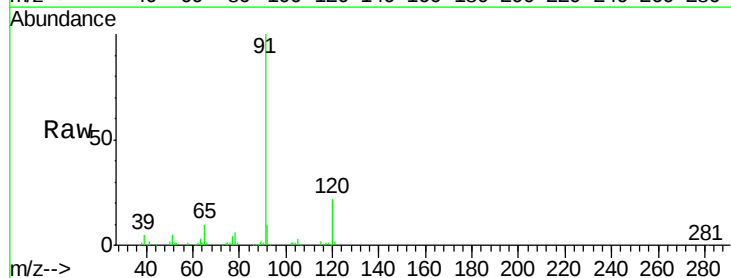
RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

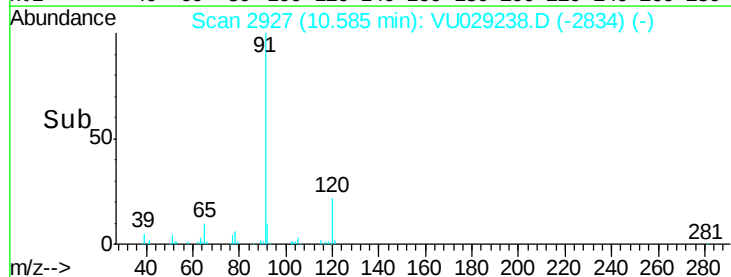
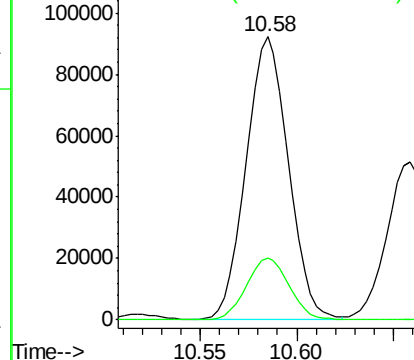
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9



Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.708 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion: 91 Resp: 81220

Ion Ratio Lower Upper

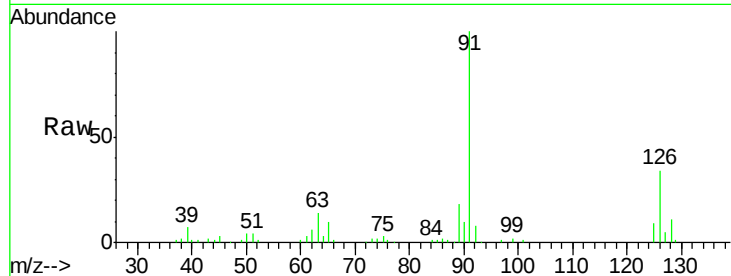
91 100

126 33.8 16.8 50.4

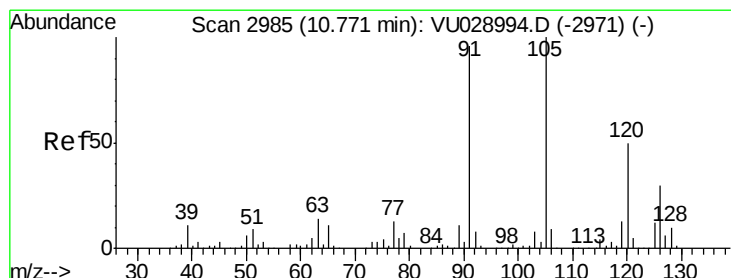
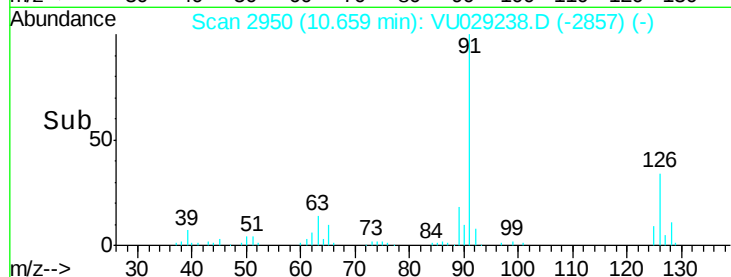
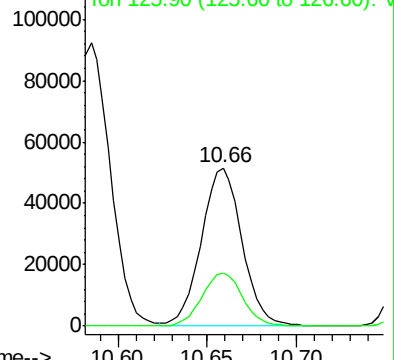
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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.908 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029238.D

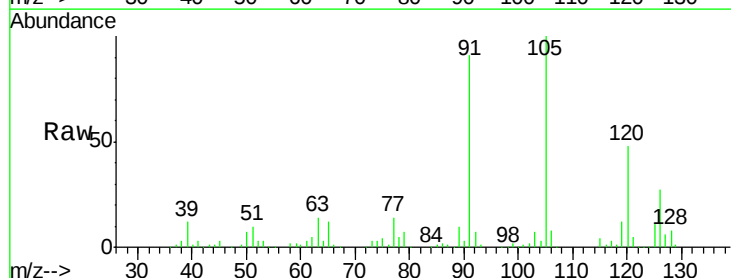
Acq: 21 Jan 2019 10:56

Tgt Ion: 105 Resp: 95749

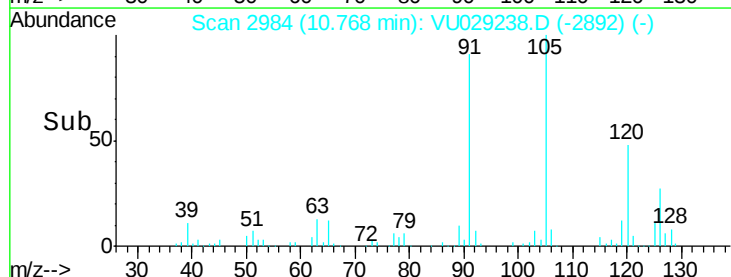
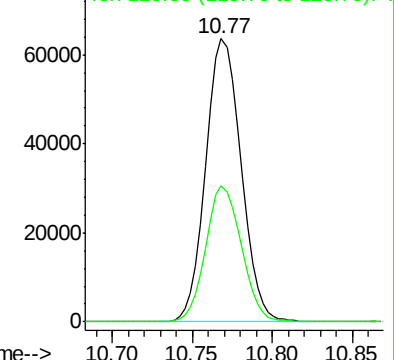
Ion Ratio Lower Upper

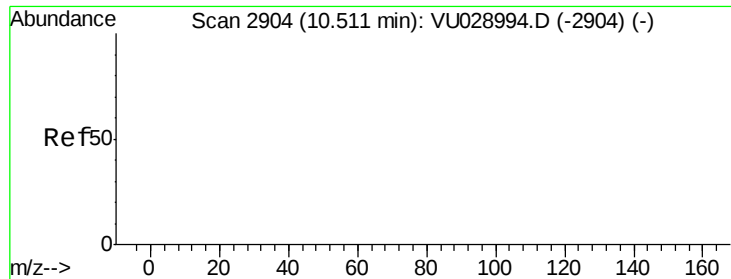
105 100

120 48.4 24.8 74.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 24.261 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

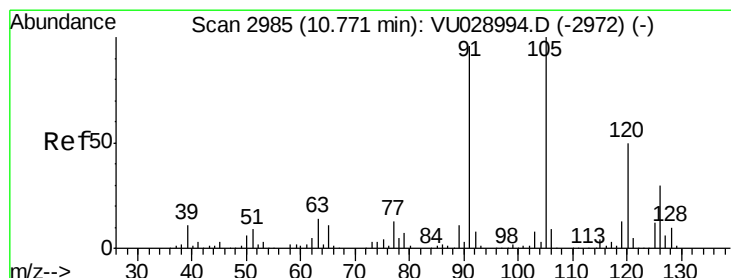
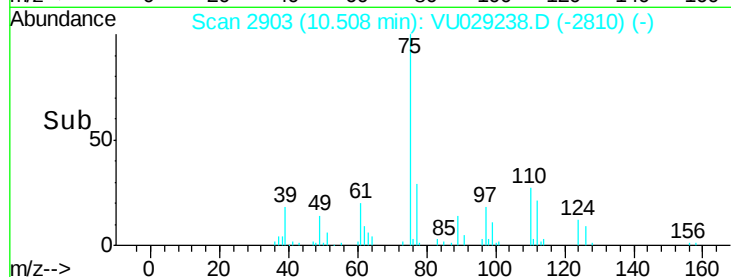
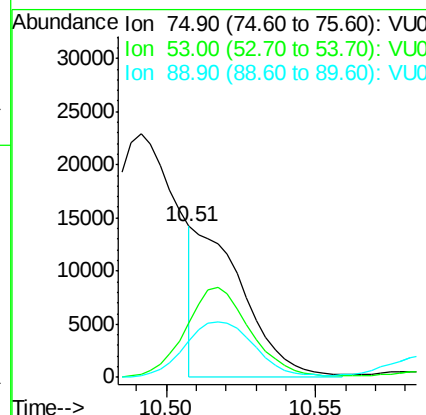
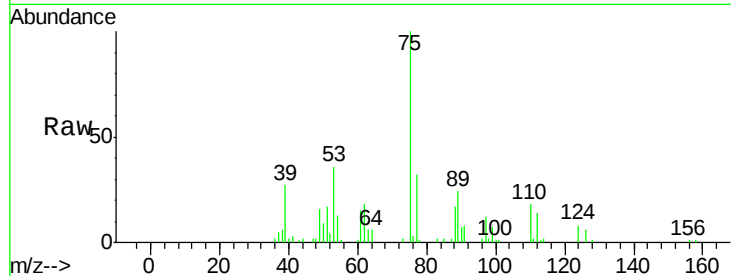
ClientSampleId :

VU0121WBS01

Tot Ion:	75	Resp:	16297
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 21.574 ug/l

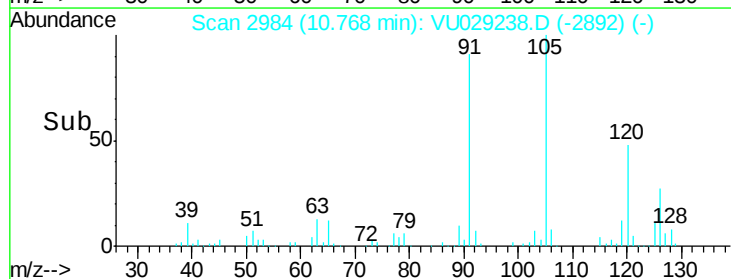
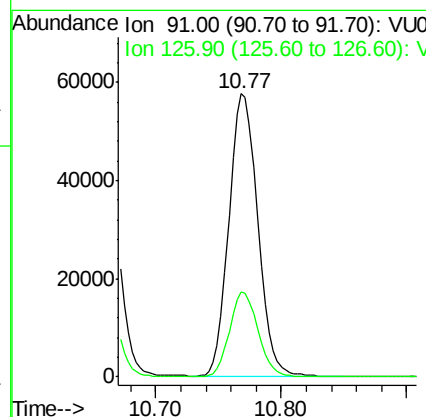
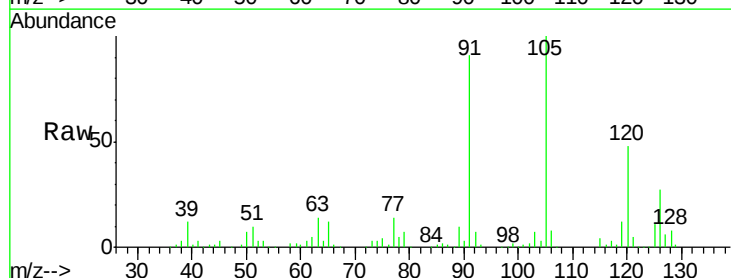
RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion:	91	Resp:	92557
Ion Ratio	Lower	Upper	
91	100		
126	29.5	15.5	46.5





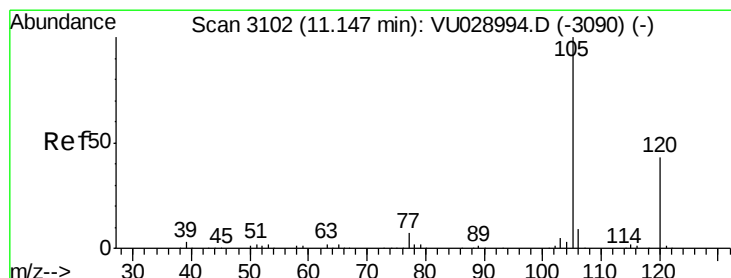
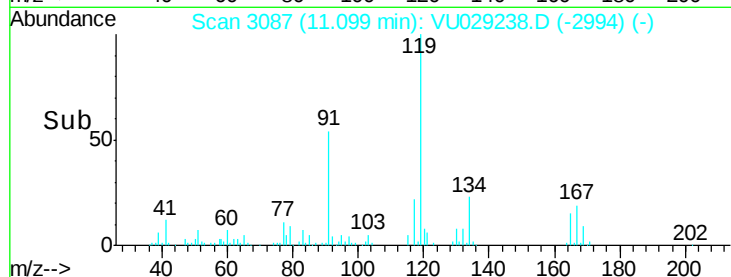
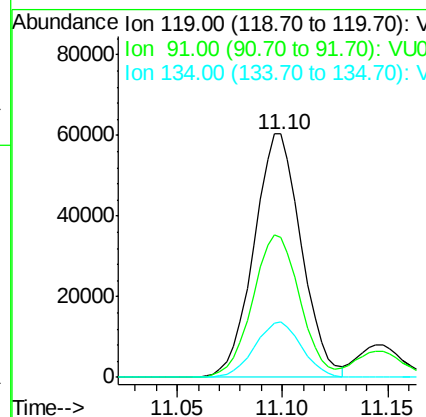
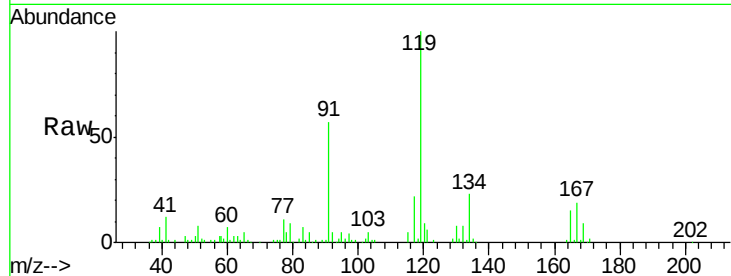
#83
tert-Butylbenzene
Concen: 21.926 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	28.2	84.6
134	22.5	11.3	33.8

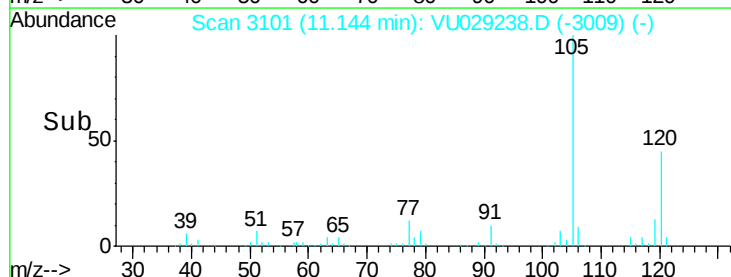
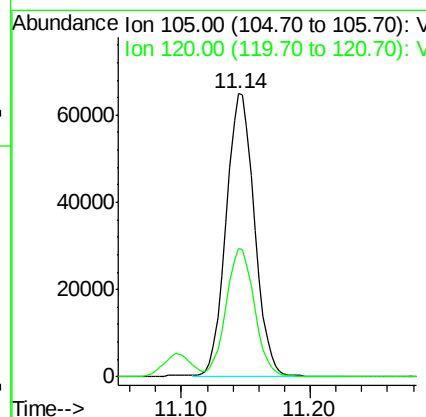
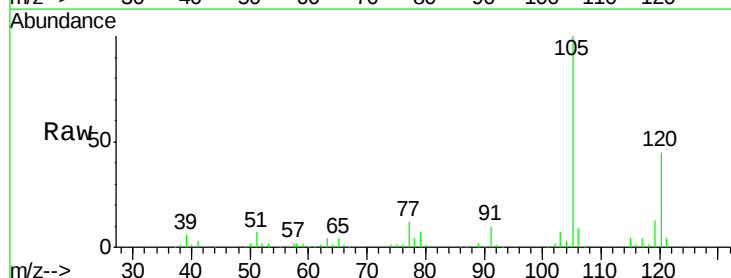
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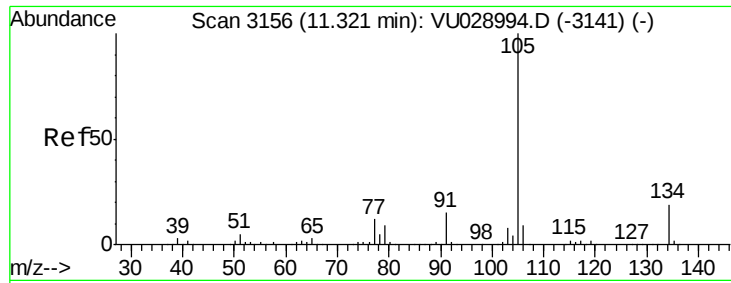
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#84
1,2,4-Trimethylbenzene
Concen: 22.775 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 21.109 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:105 Resp: 109971

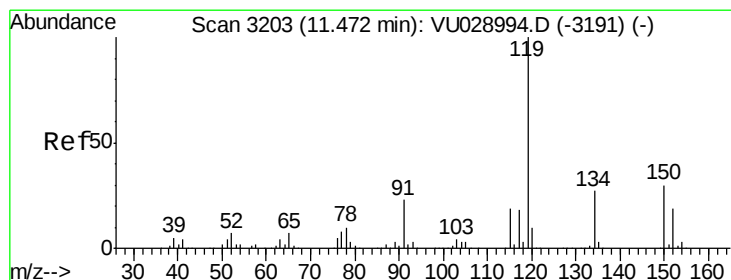
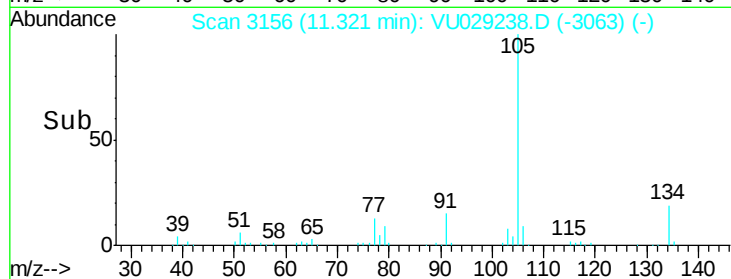
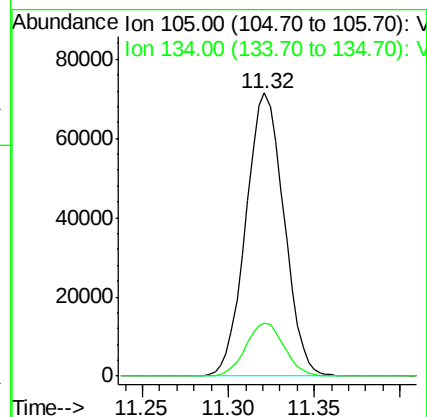
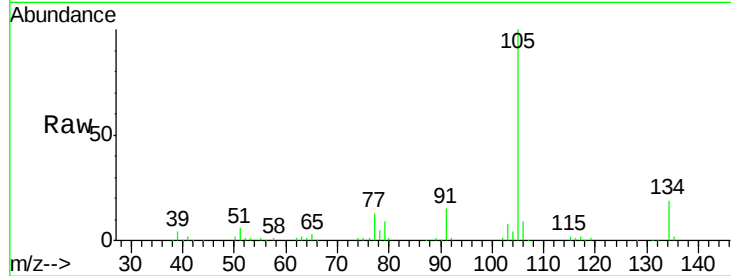
Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 20.462 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

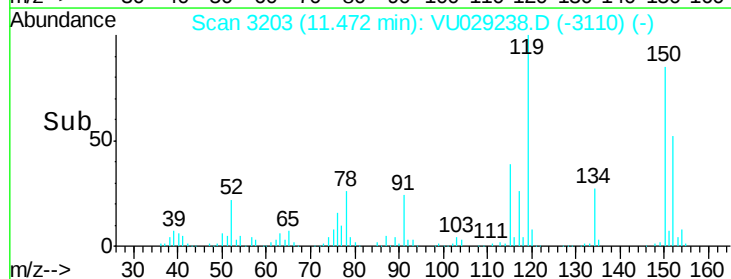
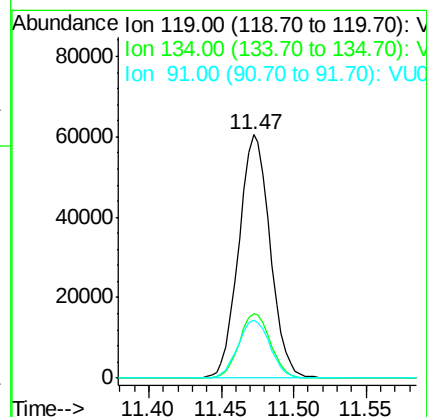
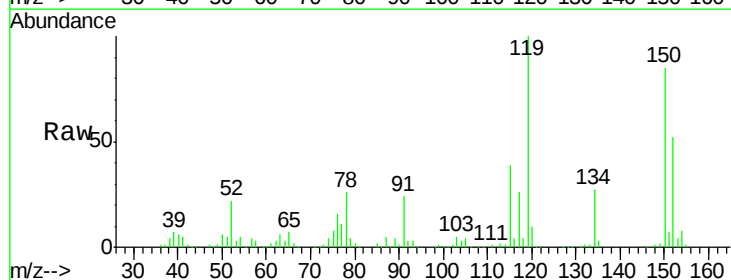
Tgt Ion:119 Resp: 90835

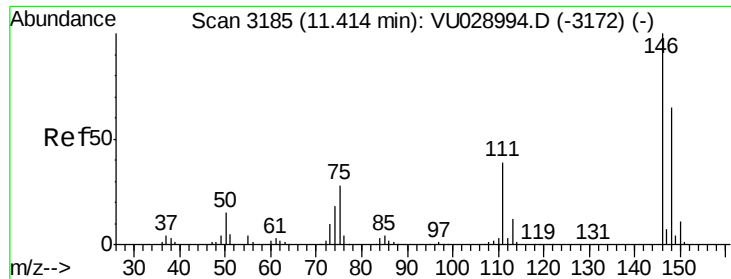
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 24.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.222 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBS01

Tot Ion:146 Resp: 48088

Ion Ratio Lower Upper

146 100

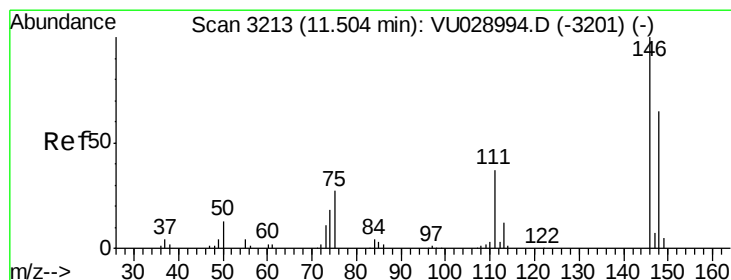
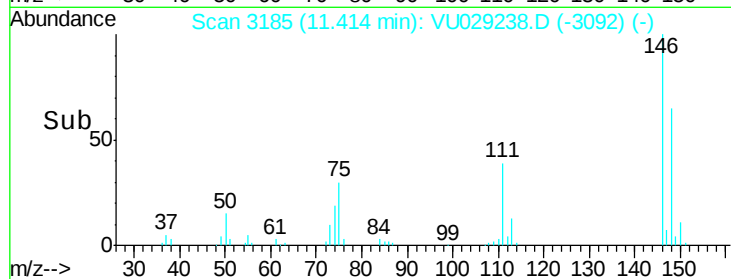
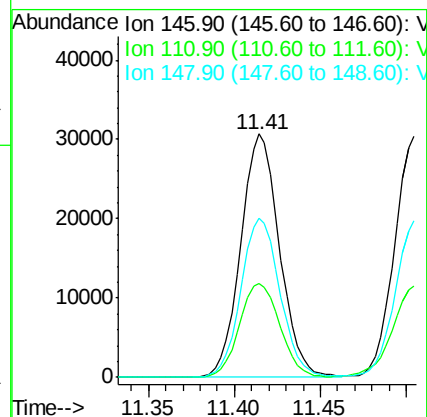
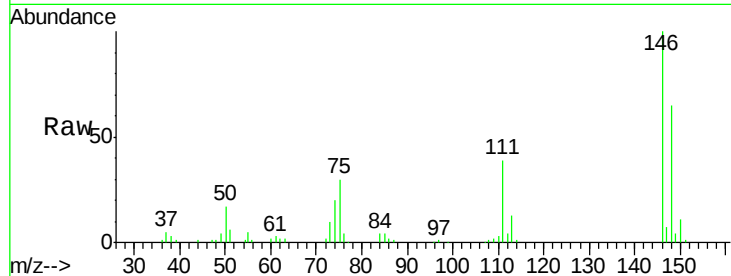
111 40.3 19.3 57.8

148 66.0 32.5 97.5

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#88

1,4-Dichlorobenzene

Concen: 18.931 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

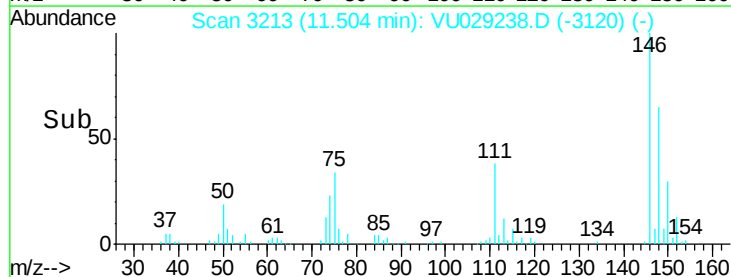
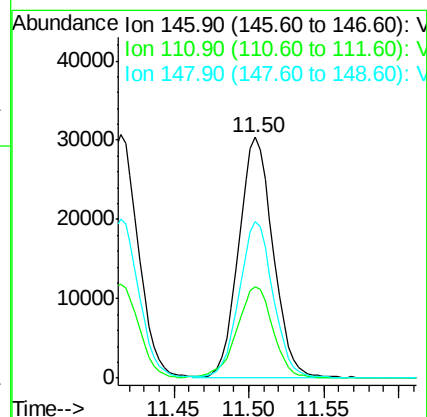
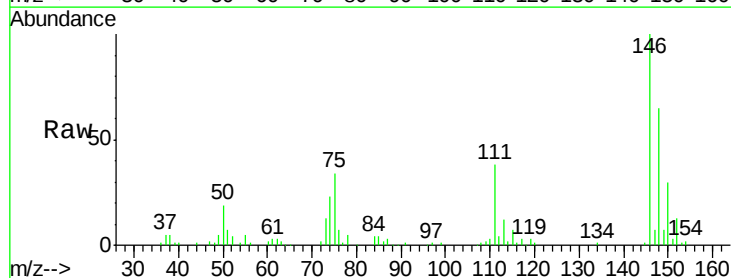
Tgt Ion:146 Resp: 48885

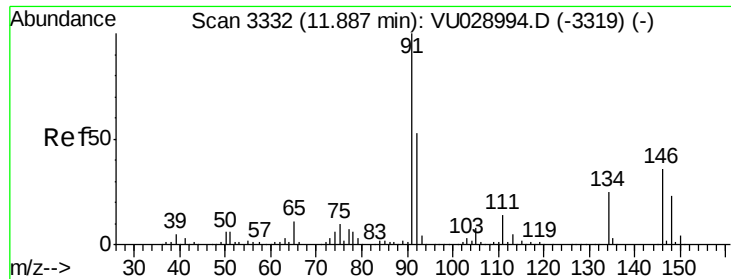
Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.3

148 63.4 32.6 98.0





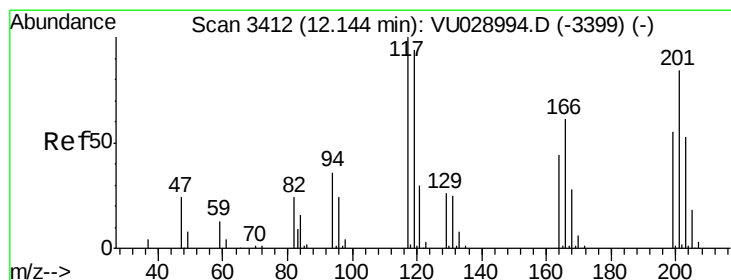
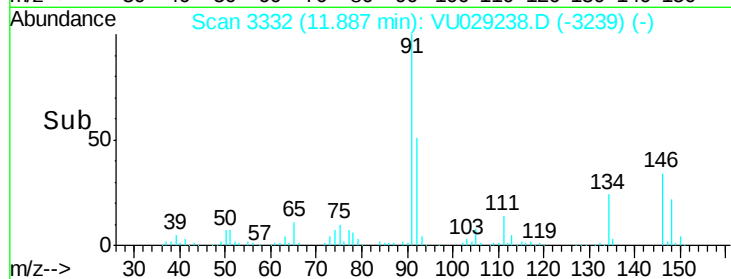
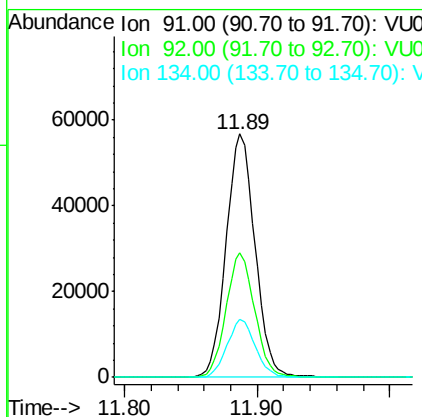
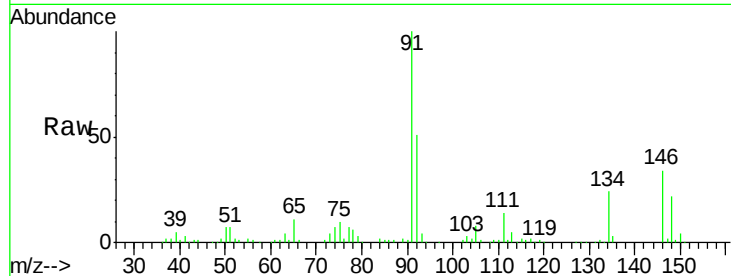
#89
n-Butylbenzene
Concen: 21.716 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.2	78.5
134	23.1	12.6	37.6

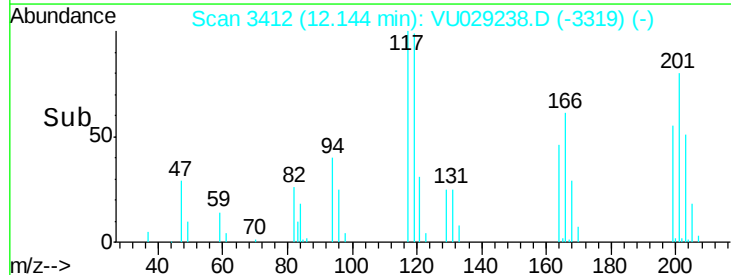
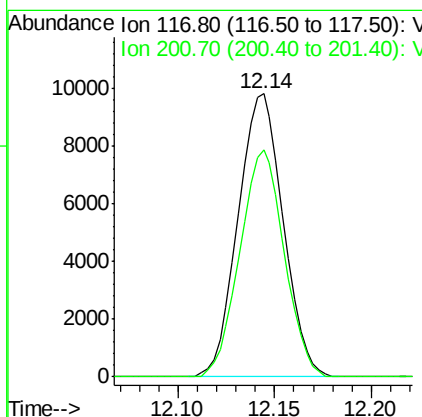
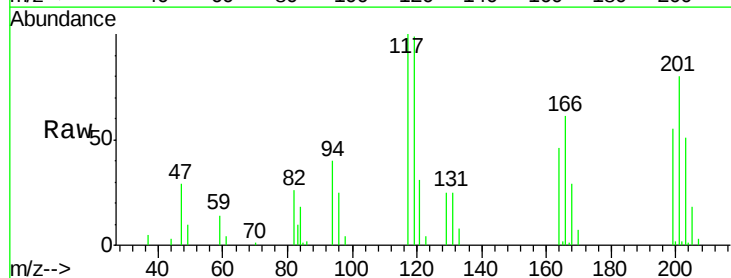
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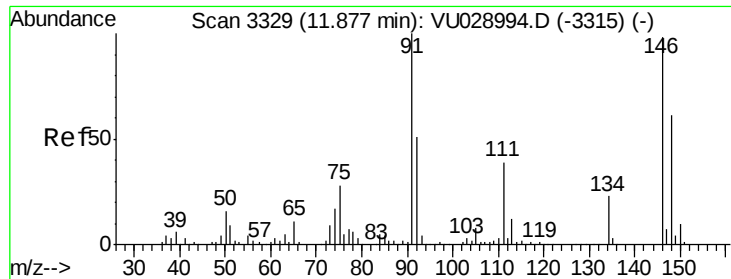
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#90
Hexachloroethane
Concen: 21.273 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029238.D
Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	42.4	127.3





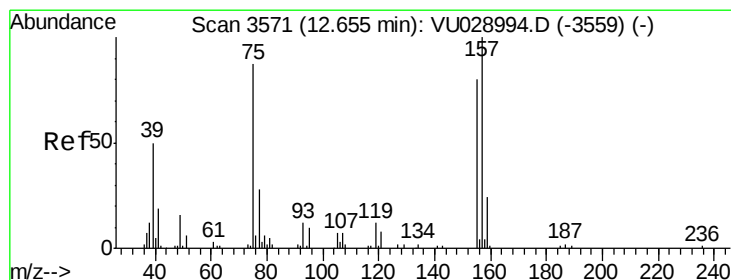
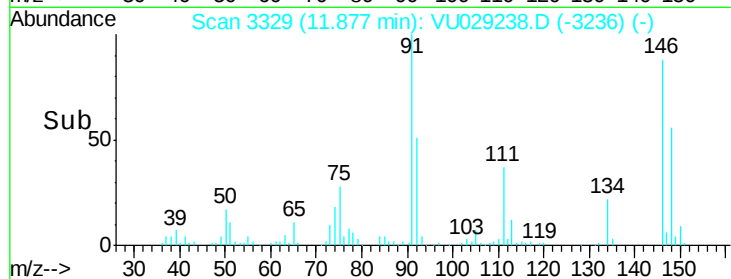
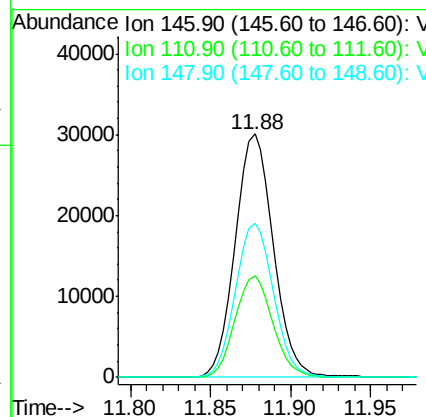
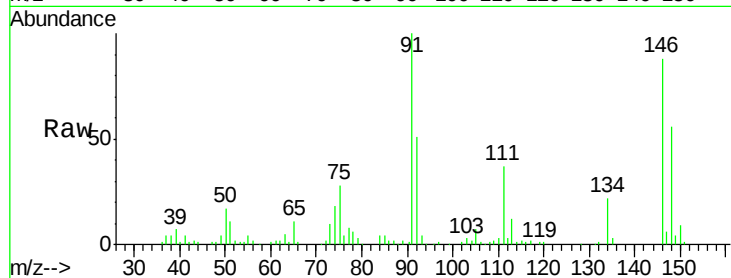
#91
 1,2-Dichlorobenzene
 Concen: 19.357 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	59.9
148	63.4	31.6	94.8

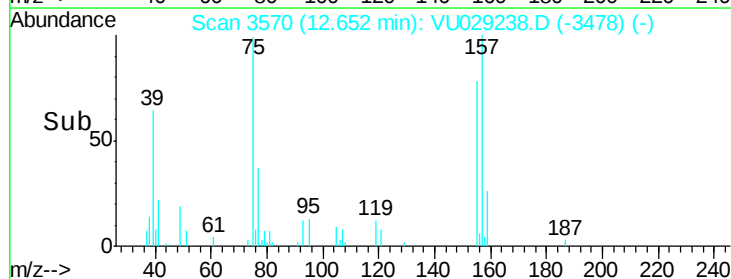
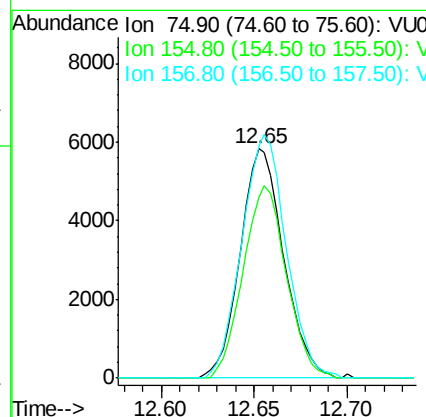
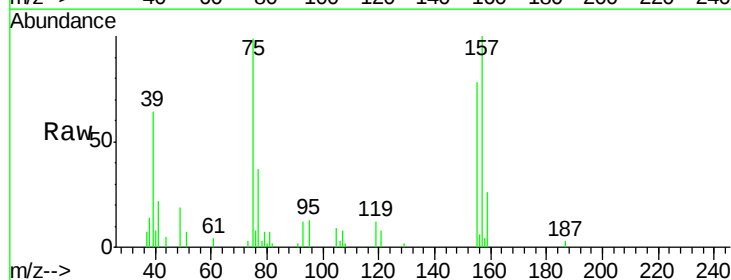
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.553 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	46.3	138.8
157	108.7	57.4	172.0





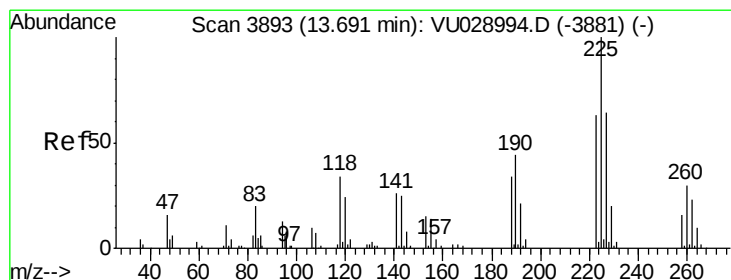
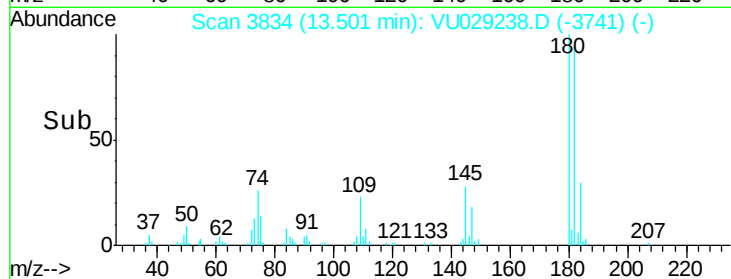
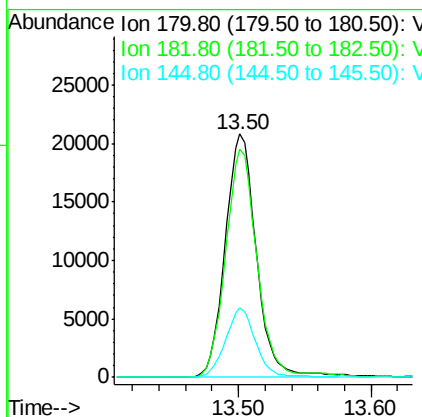
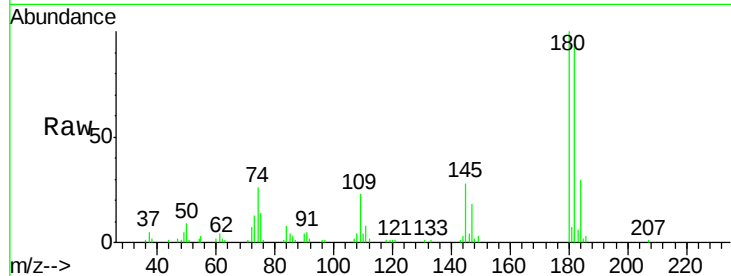
#93
 1,2,4-Trichlorobenzene
 Concen: 21.139 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.6
145	27.5	14.0	42.0

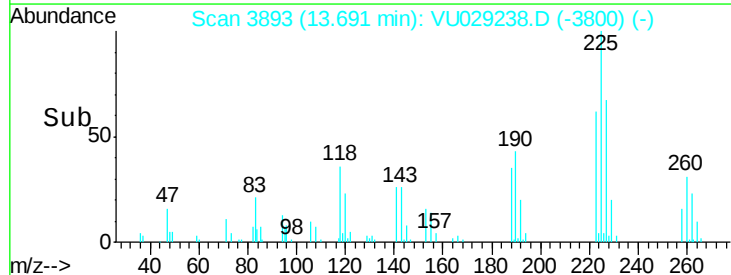
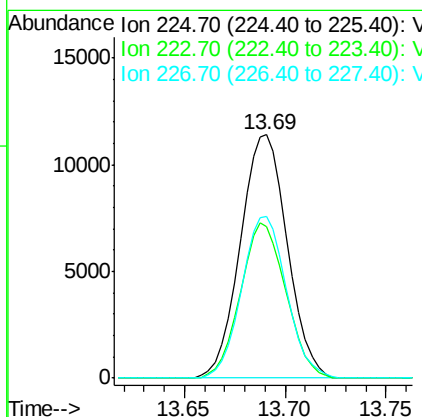
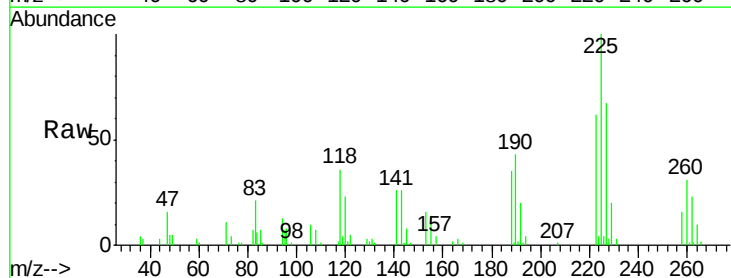
Manual Integrations
 APPROVED

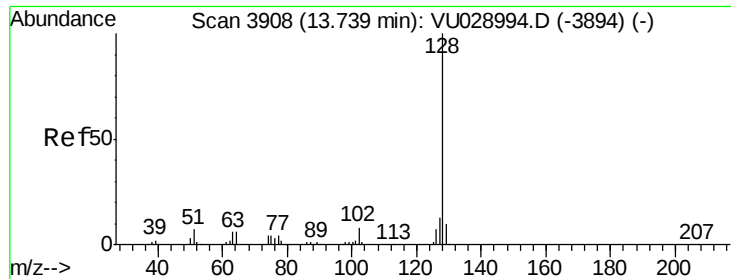
MMDadoda
 1/22/2019 10:40:12 AM



#94
 Hexachlorobutadiene
 Concen: 25.184 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029238.D
 Acq: 21 Jan 2019 10:56

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





#95

Naphthalene

Concen: 19.591 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Instrument :

MSVOA_U

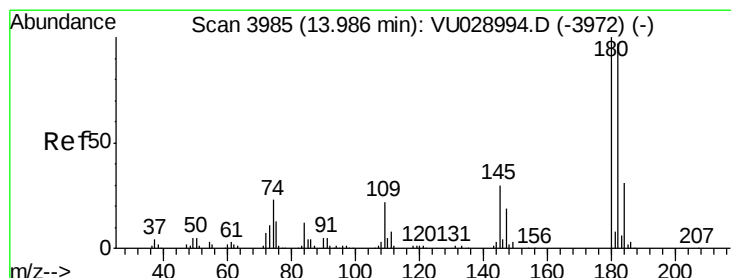
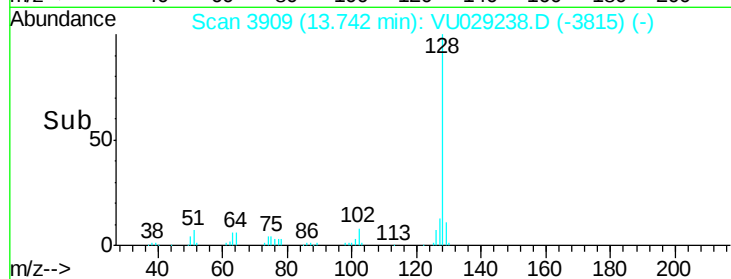
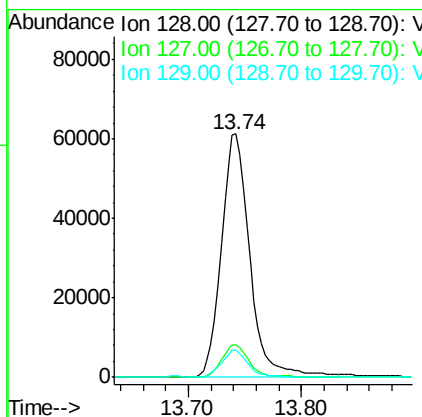
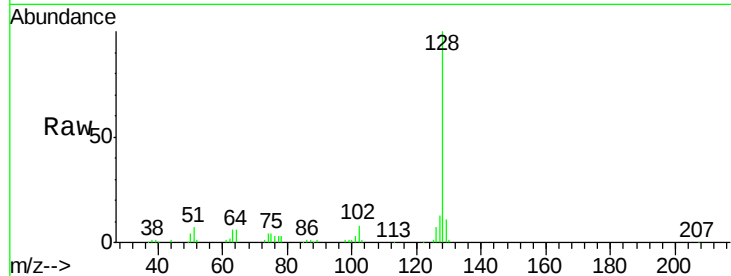
ClientSampleId :

VU0121WBS01

Tot Ion:	128	Resp:	107196
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:40:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.757 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029238.D

Acq: 21 Jan 2019 10:56

Tgt Ion:	180	Resp:	35290
Ion Ratio	Lower	Upper	
180	100		
182	99.5	48.1	144.3
145	29.9	14.8	44.4

