

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028088.D
 Acq On : 13 Nov 2018 13:41
 Operator : MD/SY
 Sample : VU1113WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:34:35 AM

Quant Time: Nov 14 07:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	239318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	409537	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	381825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	192060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	175775	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	4.88	113	133804	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	7.57	98	536509	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	10.31	95	201164	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	43533	14.316	ug/l	96
3) Chloromethane	1.33	50	64190	17.454	ug/l	99
4) Vinyl Chloride	1.40	62	66303	18.164	ug/l	98
5) Bromomethane	1.61	94	30575	22.702	ug/l	98
6) Chloroethane	1.69	64	41207	19.589	ug/l	99
7) Trichlorofluoromethane	1.88	101	79357	18.814	ug/l	98
8) Diethyl Ether	2.11	74	39446	21.841	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50883	20.307	ug/l	99
10) Methyl Iodide	2.41	142	37943	21.689	ug/l	96
11) Tert butyl alcohol	2.83	59	89604	95.127	ug/l	99
12) 1,1-Dichloroethene	2.28	96	47888	19.093	ug/l	94
13) Acrolein	2.20	56	21277	56.140	ug/l	97
14) Allyl chloride	2.59	41	102954	16.795	ug/l	97
15) Acrylonitrile	2.94	53	215066	92.950	ug/l	99
16) Acetone	2.32	43	190919	86.484	ug/l	99
17) Carbon Disulfide	2.48	76	139269	16.988	ug/l	99
18) Methyl Acetate	2.62	43	111305	18.329	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	196831	19.460	ug/l	100
20) Methylene Chloride	2.70	84	61023	18.933	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	53640	18.531	ug/l	97
22) Diisopropyl ether	3.58	45	228974	18.092	ug/l	98
23) Vinyl Acetate	3.53	43	973652	89.517	ug/l	98
24) 1,1-Dichloroethane	3.45	63	115063	18.253	ug/l	98
25) 2-Butanone	4.26	43	309610	88.157	ug/l	97
26) 2,2-Dichloropropane	4.23	77	88992	18.812	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	64939	20.006	ug/l	97
28) Bromochloromethane	4.55	49	57944	19.607	ug/l	92
29) Tetrahydrofuran	4.64	42	200799	85.625	ug/l	95
30) Chloroform	4.67	83	105912	18.324	ug/l	97
31) Cyclohexane	5.00	56	113775	17.287	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	88443	19.222	ug/l	98
36) 1,1-Dichloropropene	5.14	75	80291	18.719	ug/l	99
37) Ethyl Acetate	4.39	43	110026	17.507	ug/l	98
38) Carbon Tetrachloride	5.14	117	71038	18.689	ug/l	98

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Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	98608	19.061	ug/l	97
40) Benzene	5.39	78	256048	19.525	ug/l	100
41) Methacrylonitrile	4.55	41	62387	18.601	ug/l	96
42) 1,2-Dichloroethane	5.41	62	86815	18.624	ug/l	98
43) Isopropyl Acetate	5.55	43	178626	18.142	ug/l	98
44) Trichloroethene	6.19	130	58586	20.784	ug/l	92
45) 1,2-Dichloropropane	6.43	63	72301	19.117	ug/l	99
46) Dibromomethane	6.56	93	42269	19.444	ug/l	96
47) Bromodichloromethane	6.76	83	82525	19.699	ug/l	97
48) Methyl methacrylate	6.62	41	89431	18.535	ug/l	96
49) 1,4-Dioxane	6.61	88	35396	449.638	ug/l	91
51) 4-Methyl-2-Pentanone	7.46	43	592709	90.137	ug/l	98
52) Toluene	7.64	92	153506	19.911	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	94516	18.904	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	105868	20.499	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	63045	20.100	ug/l	97
56) Ethyl methacrylate	8.02	69	107997	19.525	ug/l	97
57) 1,3-Dichloropropane	8.24	76	111773	19.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	291720	98.473	ug/l	98
59) 2-Hexanone	8.36	43	462404	90.921	ug/l	96
60) Dibromochloromethane	8.48	129	58977	19.871	ug/l	99
61) 1,2-Dibromoethane	8.59	107	67124	20.140	ug/l	96
64) Tetrachloroethene	8.23	164	50729	20.489	ug/l	96
65) Chlorobenzene	9.12	112	162685	20.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	55584	20.173	ug/l	98
67) Ethyl Benzene	9.25	91	299520	20.172	ug/l	100
68) m/p-Xylenes	9.38	106	223885	41.555	ug/l	98
69) o-Xylene	9.78	106	108686	19.978	ug/l	100
70) Styrene	9.79	104	178577	20.543	ug/l	98
71) Bromoform	9.96	173	45834	19.848	ug/l #	100
73) Isopropylbenzene	10.17	105	293521	19.728	ug/l	99
74) N-amyl acetate	10.01	43	167504	18.618	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	113060	18.838	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	100559m	19.142	ug/l	
77) Bromobenzene	10.45	156	70695	20.721	ug/l	95
78) n-propylbenzene	10.59	91	354258	19.891	ug/l	99
79) 2-Chlorotoluene	10.66	91	206939	19.385	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	239163	19.404	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	30817m	14.832	ug/l	
82) 4-Chlorotoluene	10.77	91	237298	19.580	ug/l	99
83) tert-Butylbenzene	11.10	119	231772	18.810	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	248540	20.026	ug/l	100
85) sec-Butylbenzene	11.32	105	303017	20.221	ug/l	100
86) p-Isopropyltoluene	11.48	119	253866	20.265	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	127385	20.212	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	126548	19.590	ug/l	98
89) n-Butylbenzene	11.89	91	245660	20.634	ug/l	99
90) Hexachloroethane	12.14	117	40436	18.130	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	128513	20.277	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23600	18.662	ug/l	96

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ClientSampleId :
VU1113WBSD01

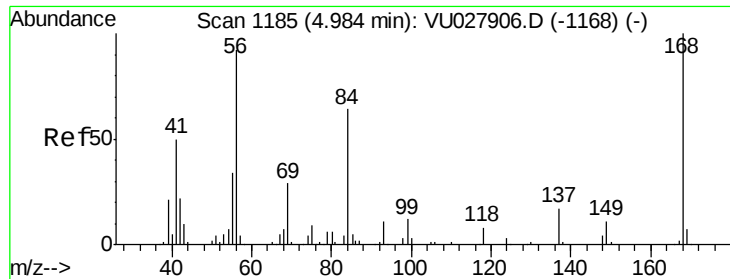
Manual Integrations
APPROVED

MMDadoda
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Quant Time: Nov 14 07:41:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
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QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90568	20.781	ug/l	97
94) Hexachlorobutadiene	13.69	225	40989	20.349	ug/l	98
95) Naphthalene	13.74	128	314005	19.822	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	91343	21.478	ug/l	100

(#) = 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: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion:168 Resp: 239318

Ion Ratio Lower Upper

168 100

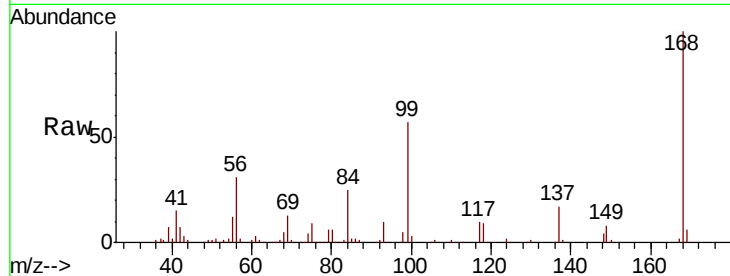
99 56.2 47.9 71.9

Manual Integrations

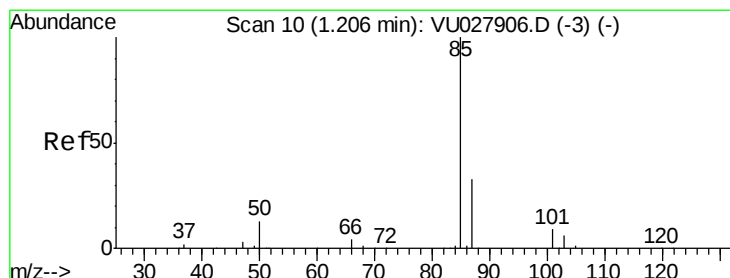
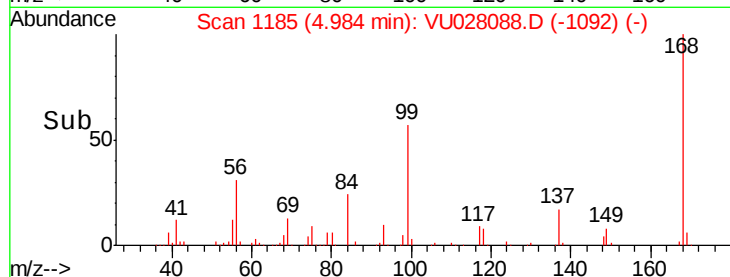
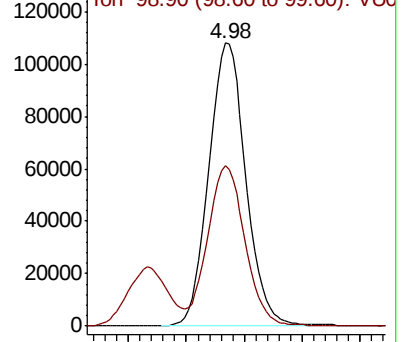
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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 14.316 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028088.D

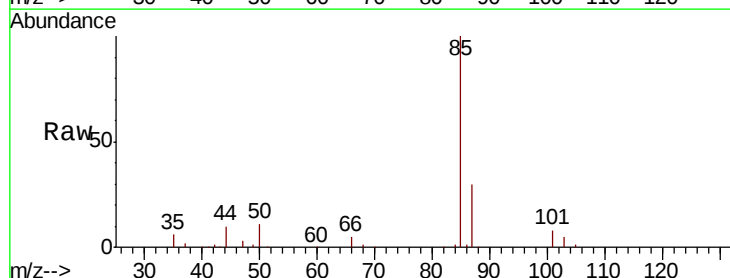
Acq: 13 Nov 2018 13:41

Tgt Ion: 85 Resp: 43533

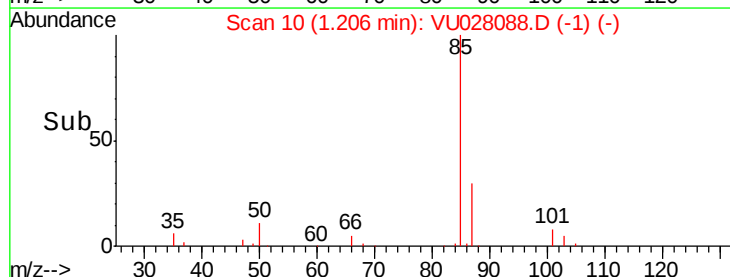
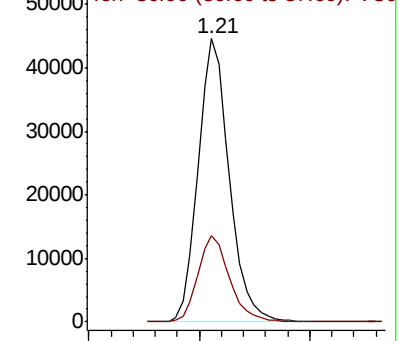
Ion Ratio Lower Upper

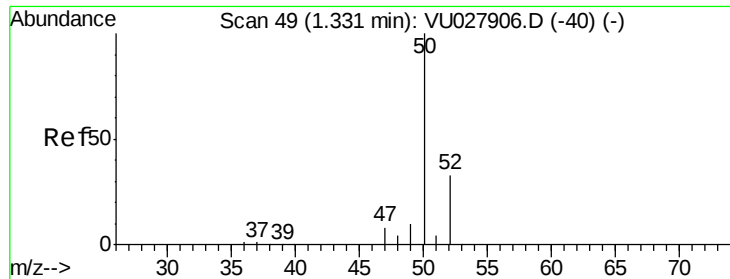
85 100

87 30.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)





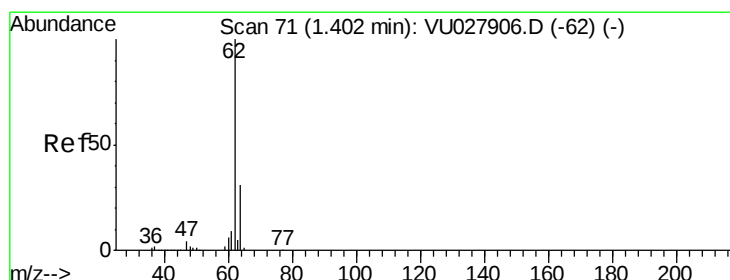
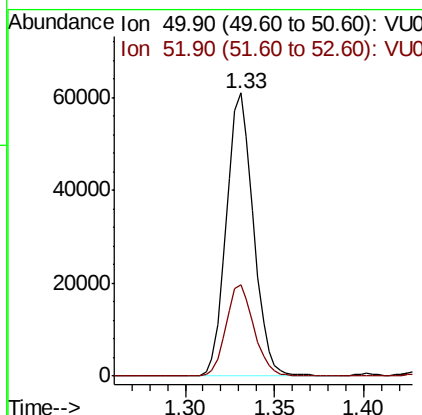
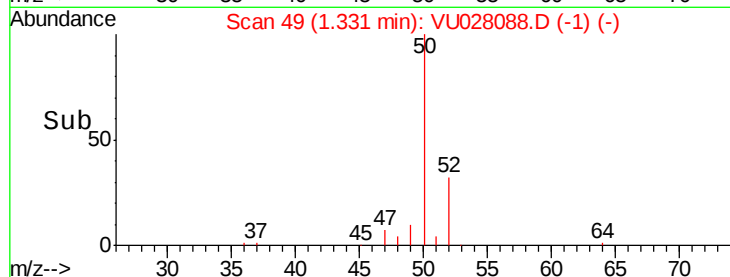
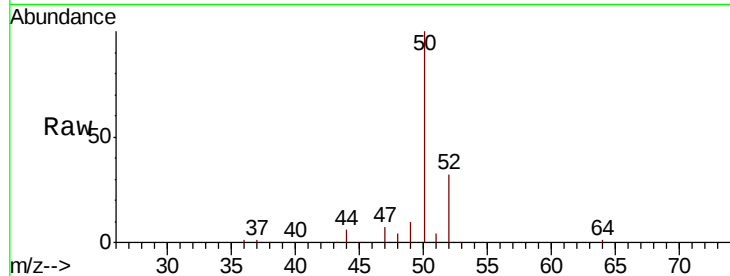
#3
Chloromethane
Concen: 17.454 ug/l
RT: 1.33 min Scan# 49
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion: 50 Resp: 64190
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.4

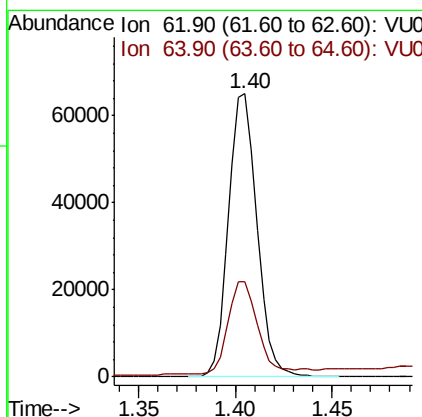
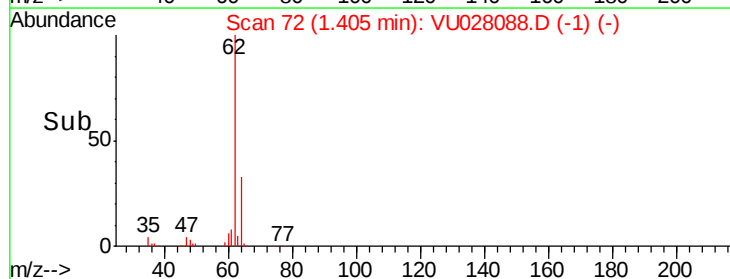
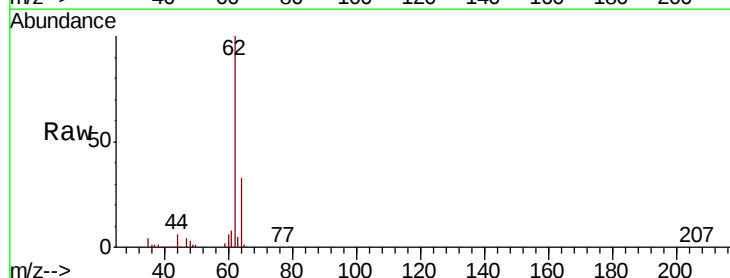
Manual Integrations
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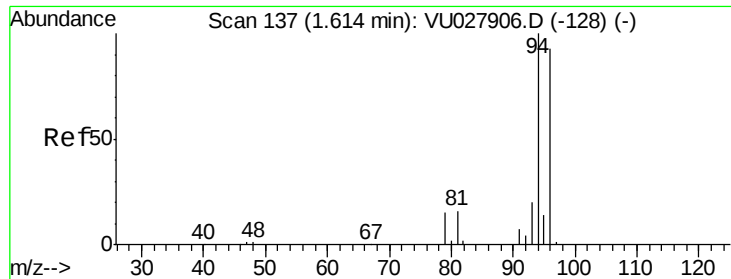
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#4
Vinyl Chloride
Concen: 18.164 ug/l
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion: 62 Resp: 66303
Ion Ratio Lower Upper
62 100
64 32.5 25.2 37.8





#5

Bromomethane

Concen: 22.702 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 94 Resp: 30575

Ion Ratio Lower Upper

94 100

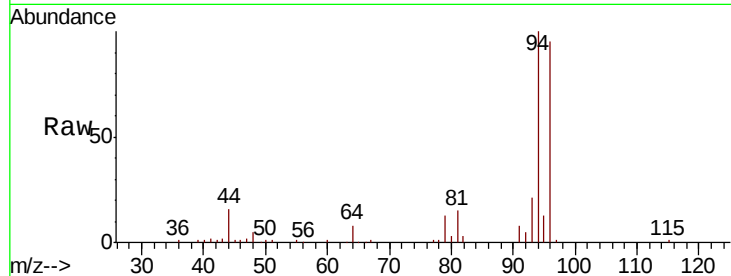
96 95.9 74.8 112.2

Manual Integrations

APPROVED

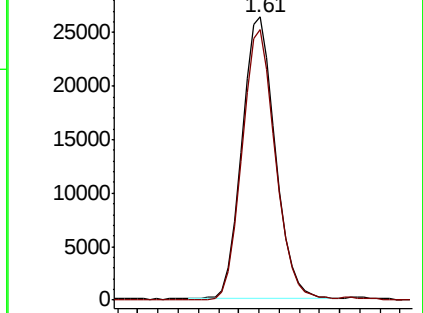
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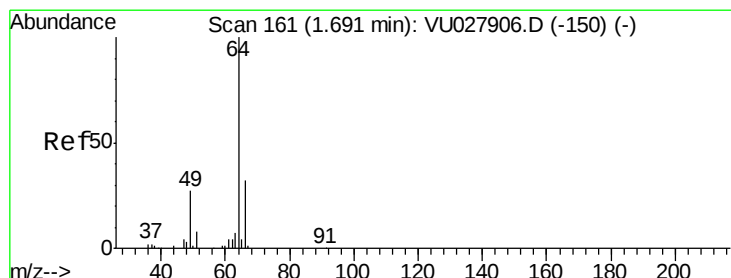
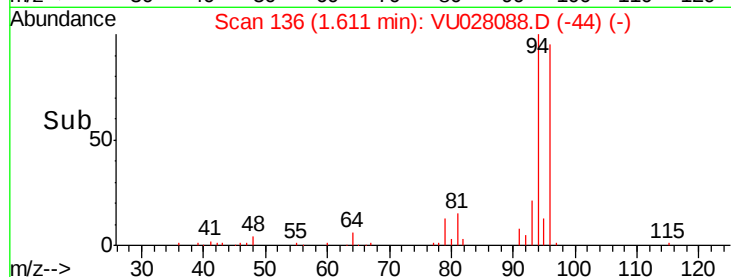


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 19.589 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028088.D

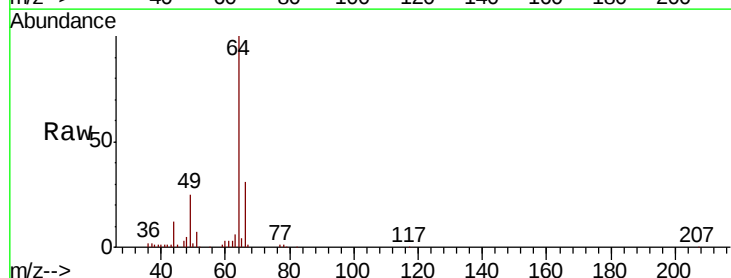
Acq: 13 Nov 2018 13:41

Tgt Ion: 64 Resp: 41207

Ion Ratio Lower Upper

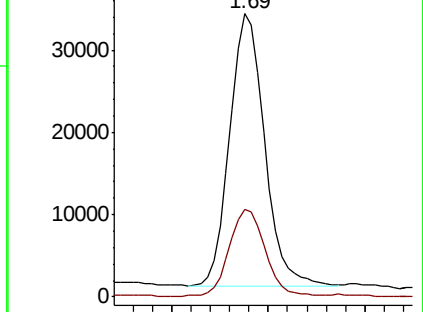
64 100

66 31.9 25.9 38.9

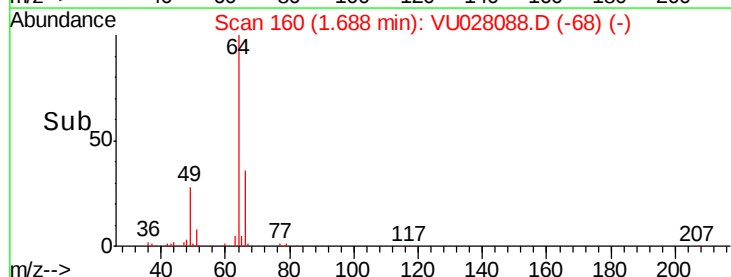


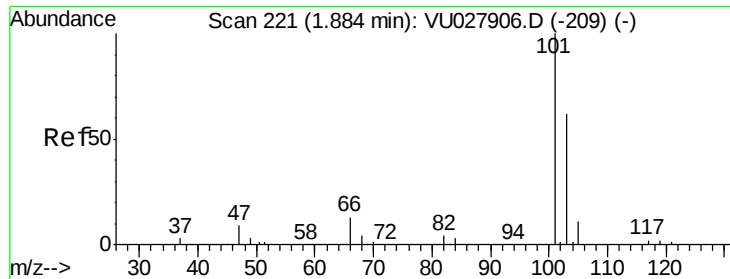
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

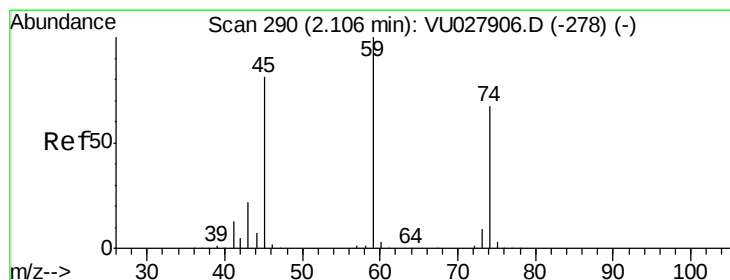
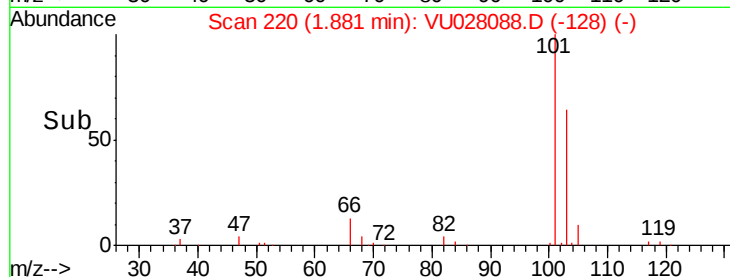
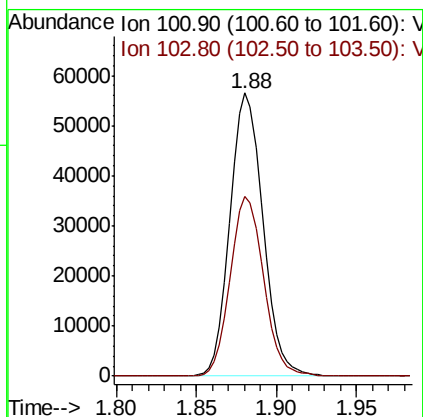
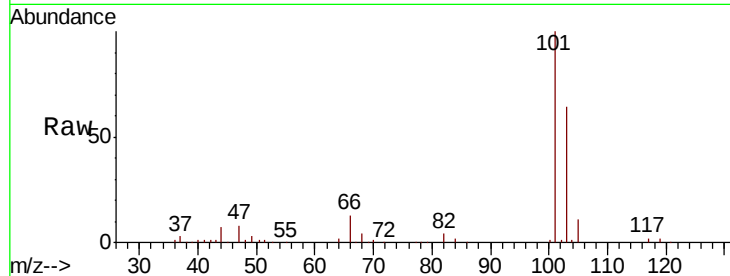
Trichlorofluoromethane
Concen: 18.814 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion:101 Resp: 79357
Ion Ratio Lower Upper
101 100
103 63.6 49.4 74.2

Manual Integrations
APPROVED

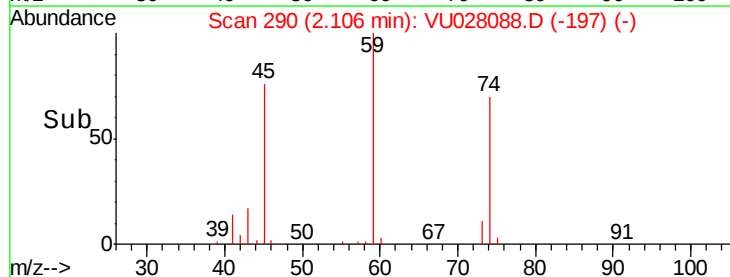
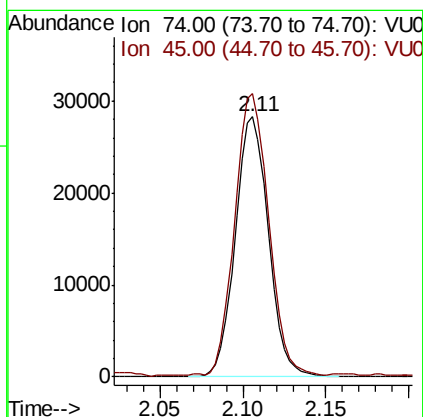
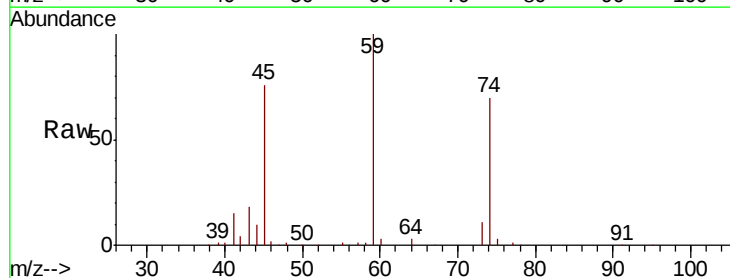
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11/14/2018 9:34:35 AM

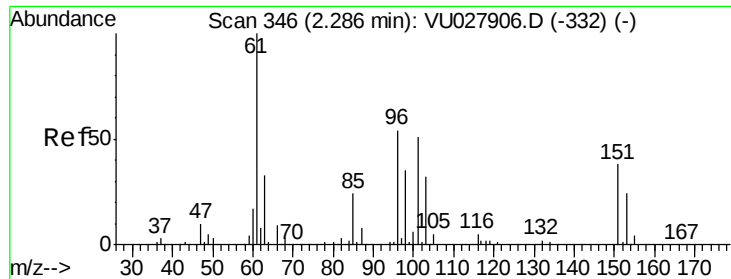


#8

Diethyl Ether
Concen: 21.841 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion: 74 Resp: 39446
Ion Ratio Lower Upper
74 100
45 109.9 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.307 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

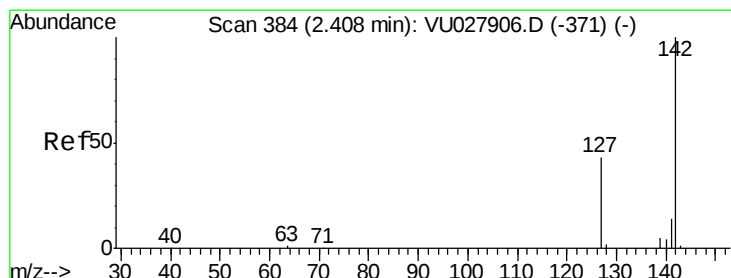
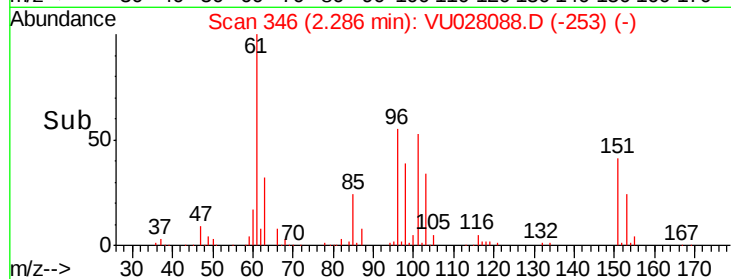
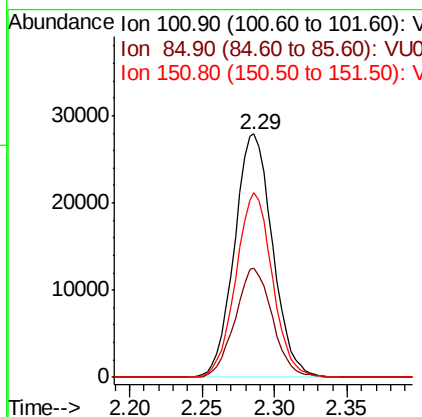
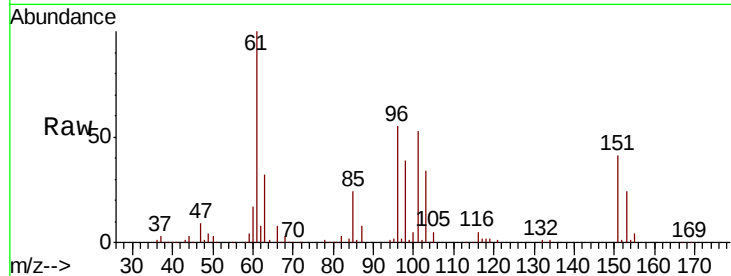
ClientSampleId :

VU1113WBSD01

Tot Ion:	101	Resp:	50883
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.9	55.3
151	72.8	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 21.689 ug/l

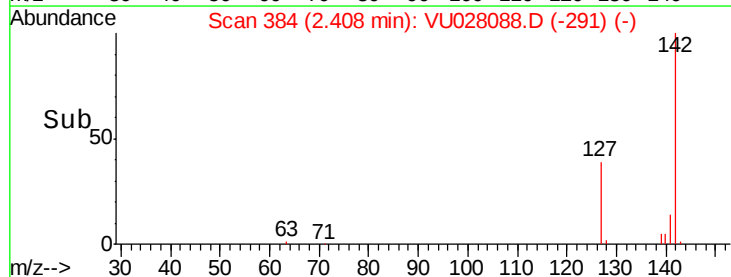
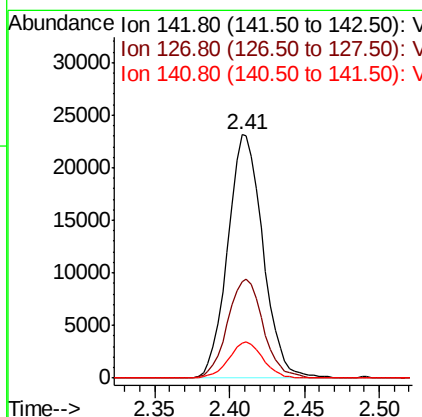
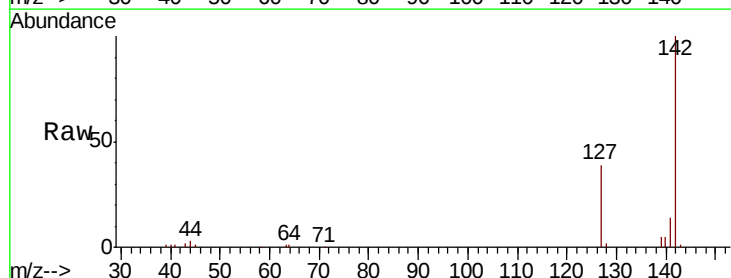
RT: 2.41 min Scan# 384

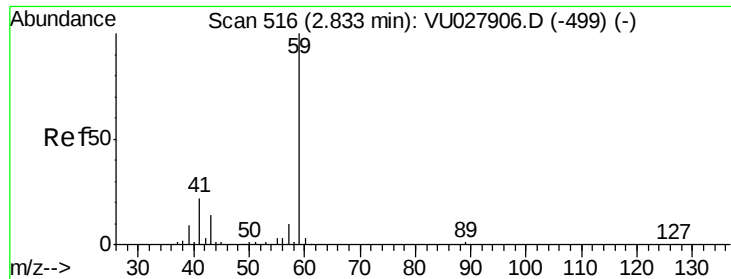
Delta R.T. 0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion:	142	Resp:	37943
Ion Ratio	Lower	Upper	
142	100		
127	41.0	35.2	52.8
141	14.4	11.8	17.8





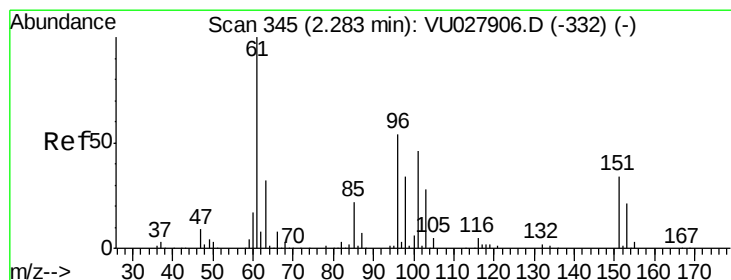
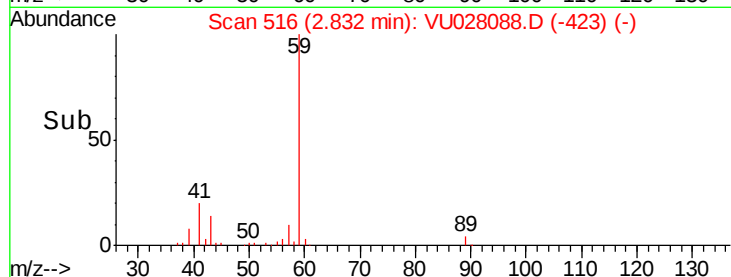
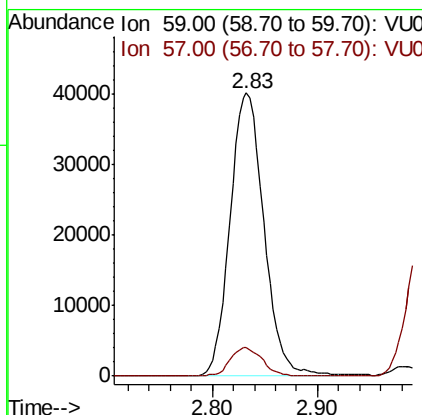
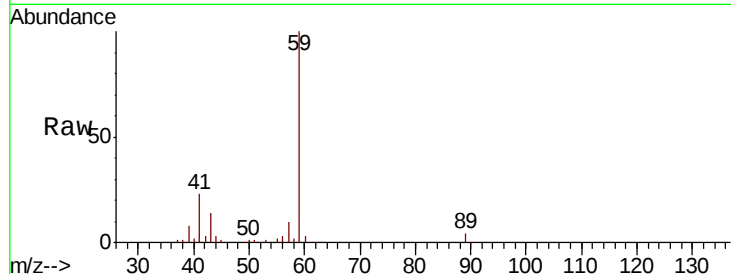
#11
Tert butyl alcohol
Concen: 95.127 ug/l
RT: 2.83 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.8

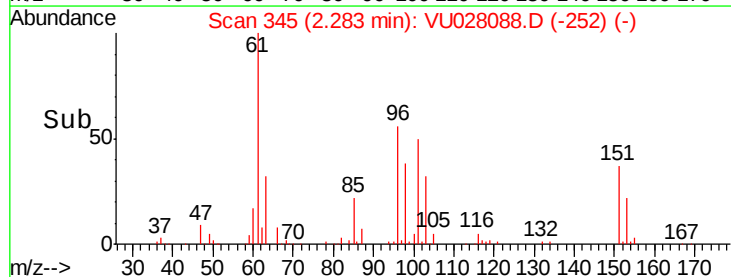
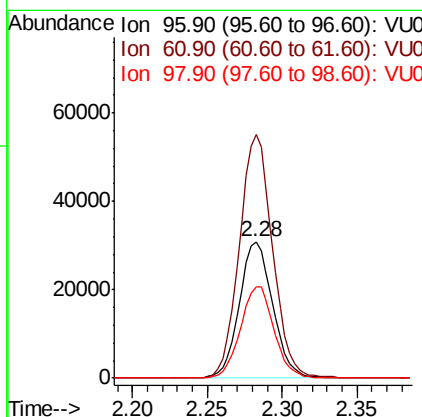
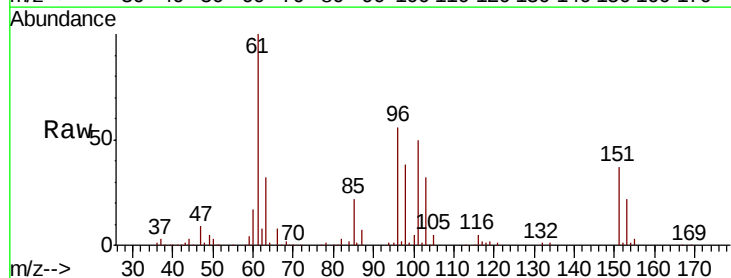
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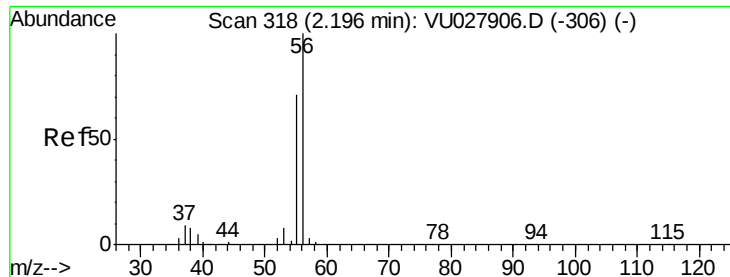
MMDadoda
11/14/2018 9:34:35 AM



#12
1,1-Dichloroethene
Concen: 19.093 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	149.3	223.9
98	67.4	50.6	75.8





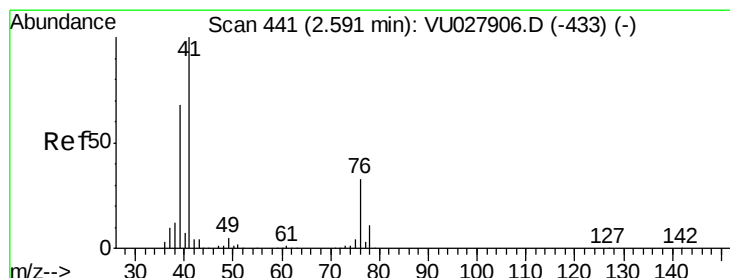
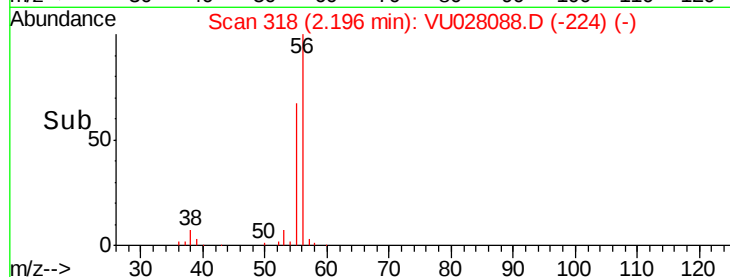
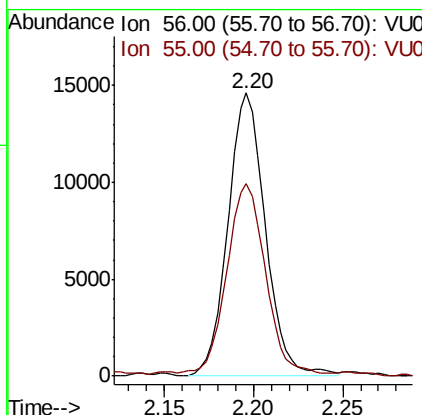
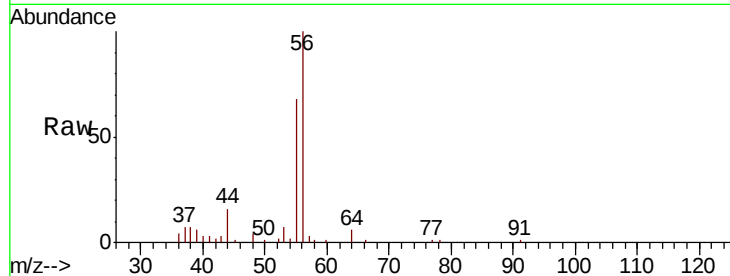
#13
Acrolein
Concen: 56.140 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.1	56.2	84.4

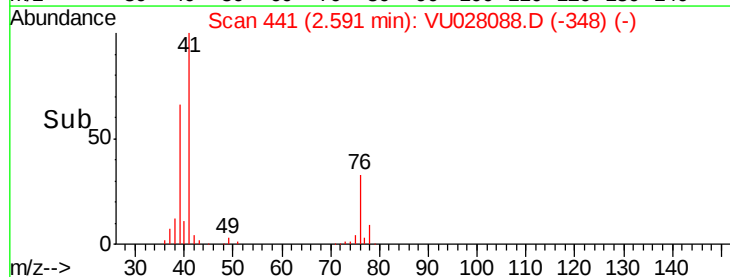
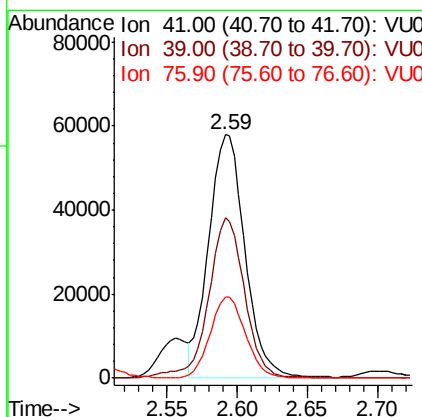
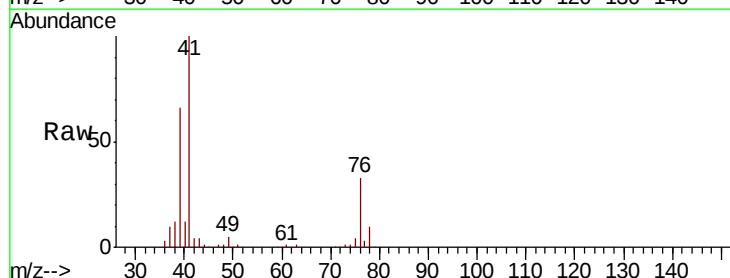
Manual Integrations
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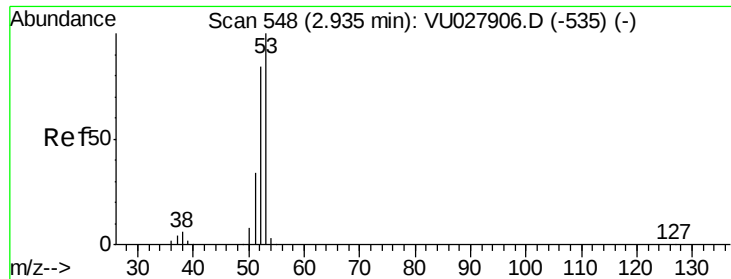
MMDadoda
11/14/2018 9:34:35 AM



#14
Allyl chloride
Concen: 16.795 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	51.9	77.9
76	32.8	23.8	35.6





#15

Acrylonitrile

Concen: 92.950 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

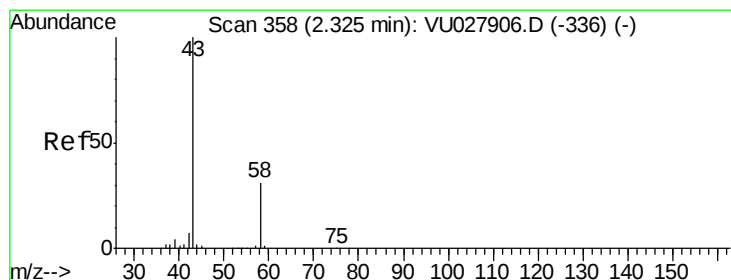
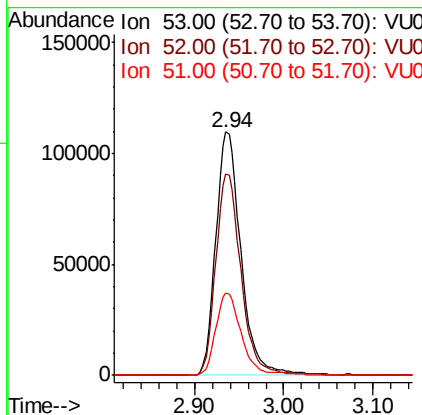
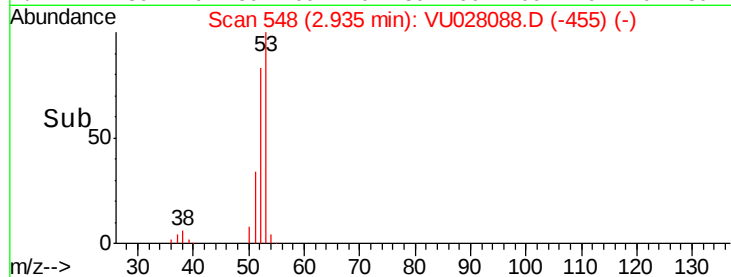
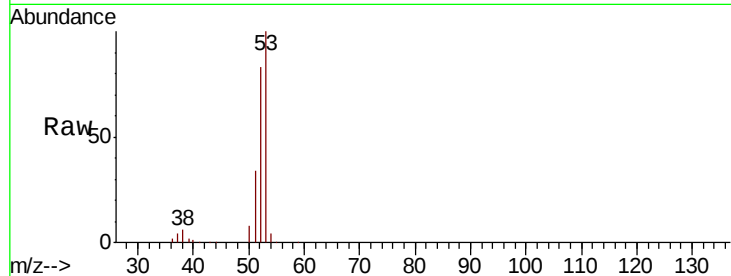
ClientSampleId :

VU1113WBSD01

Tot Ion:	53	Resp:	215066
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	34.4	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 86.484 ug/l

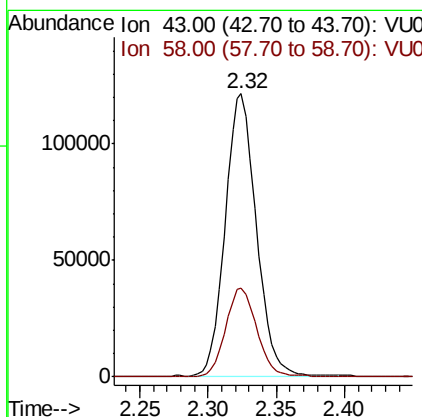
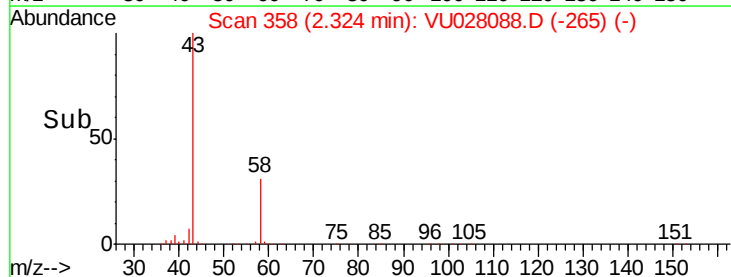
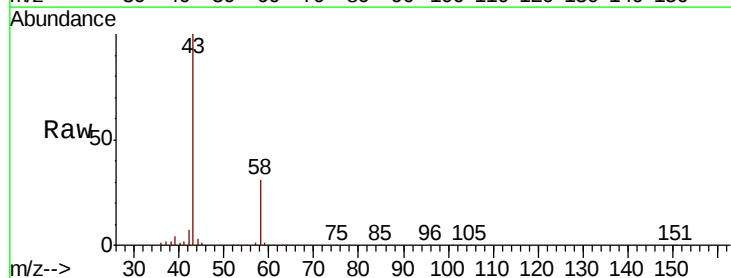
RT: 2.32 min Scan# 358

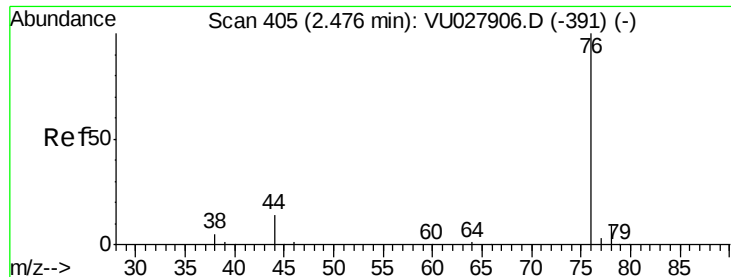
Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion:	43	Resp:	190919
Ion Ratio	Lower	Upper	
43	100		
58	31.4	24.6	37.0





#17

Carbon Disulfide

Concen: 16.988 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 76 Resp: 139269

Ion Ratio Lower Upper

76 100

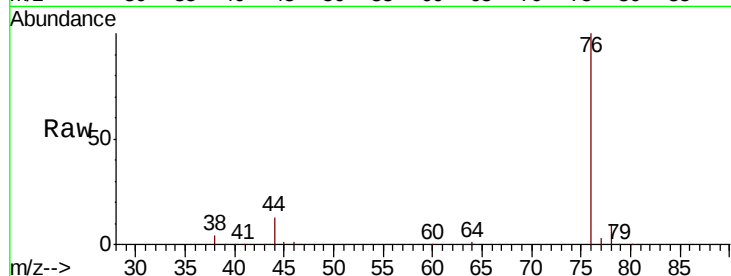
78 9.6 7.4 11.0

Manual Integrations

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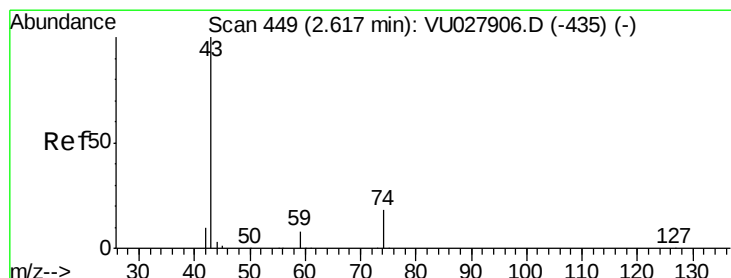
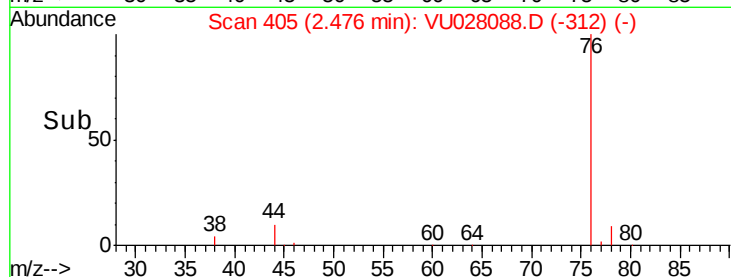
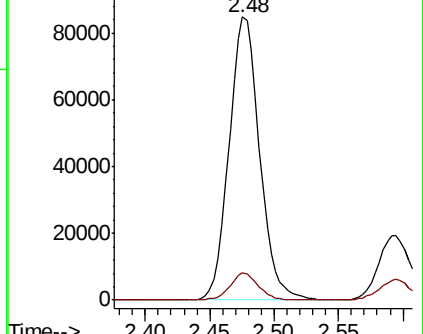
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Abundance Ion 75.90 (75.60 to 76.60): VU028088.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU028088.D (-312) (-)



#18

Methyl Acetate

Concen: 18.329 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028088.D

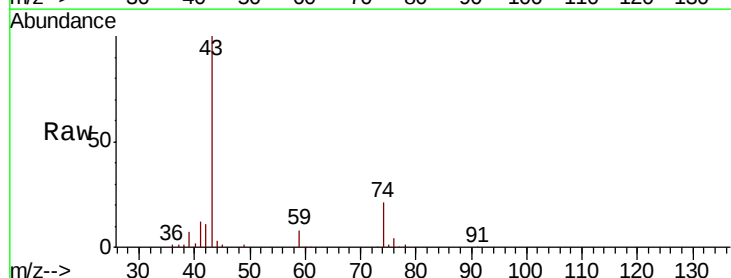
Acq: 13 Nov 2018 13:41

Tgt Ion: 43 Resp: 111305

Ion Ratio Lower Upper

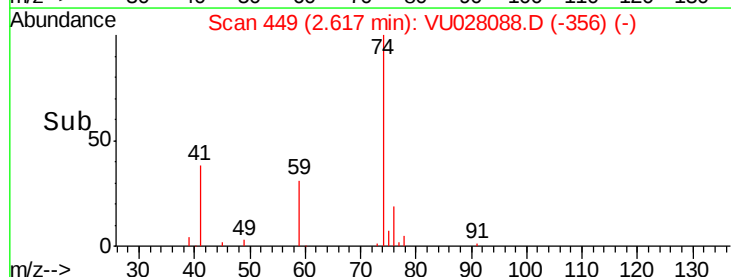
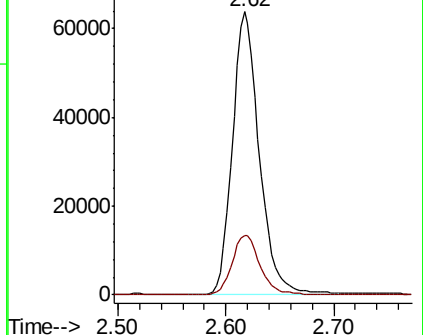
43 100

74 21.9 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028088.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU028088.D (-356) (-)





#19

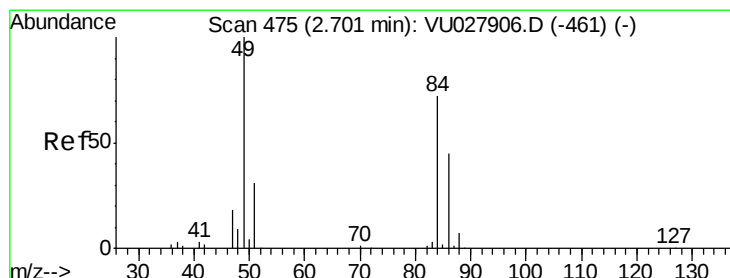
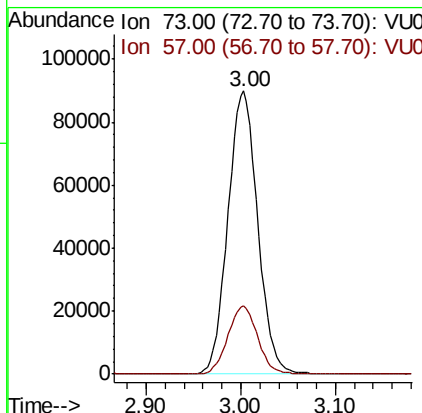
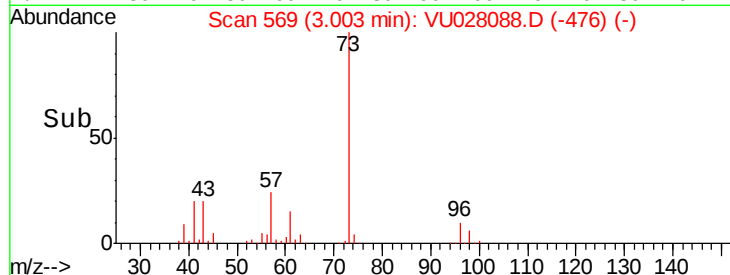
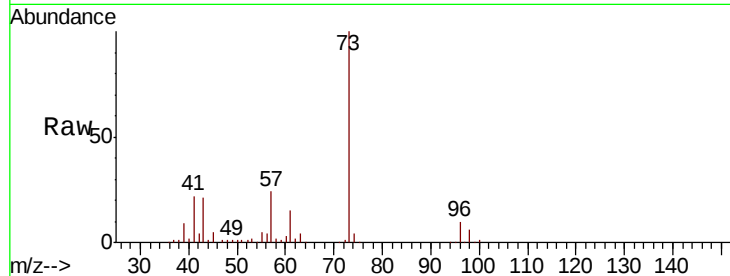
Methyl tert-butyl Ether
 Concen: 19.460 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.3	28.9

Manual Integrations
 APPROVED

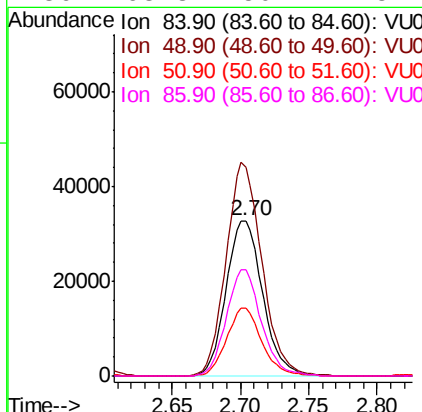
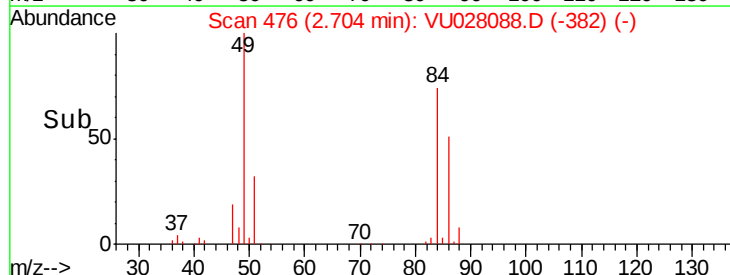
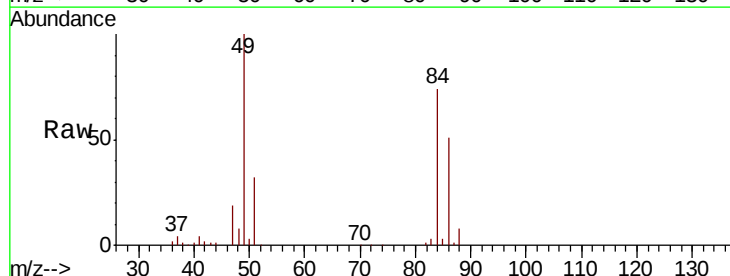
MMDadoda
 11/14/2018 9:34:35 AM

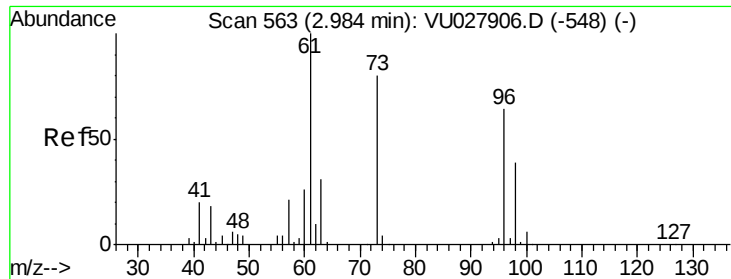


#20

Methylene Chloride
 Concen: 18.933 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.9	111.6	167.4
51	43.5	34.8	52.2
86	68.3	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 18.531 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 96 Resp: 53640

Ion Ratio Lower Upper

96 100

61 154.2 125.0 187.6

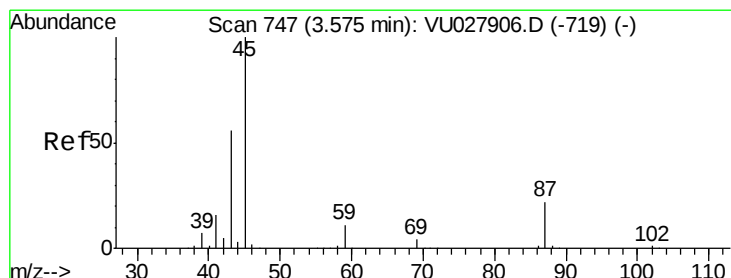
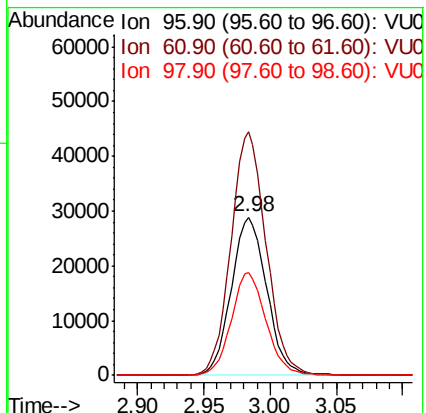
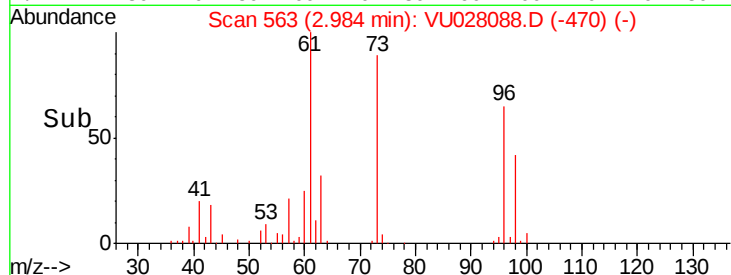
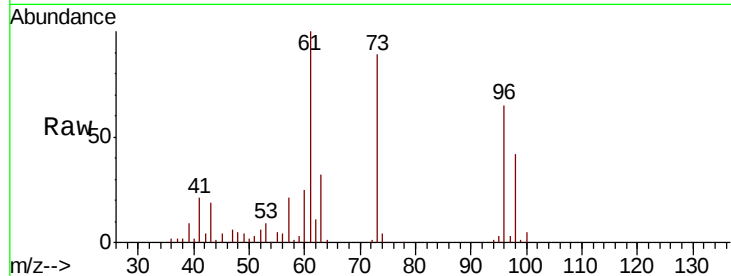
98 65.5 48.2 72.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.092 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion: 45 Resp: 228974

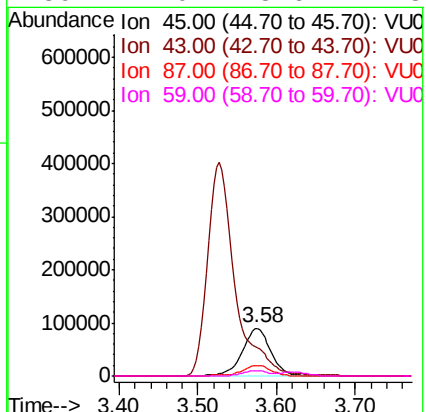
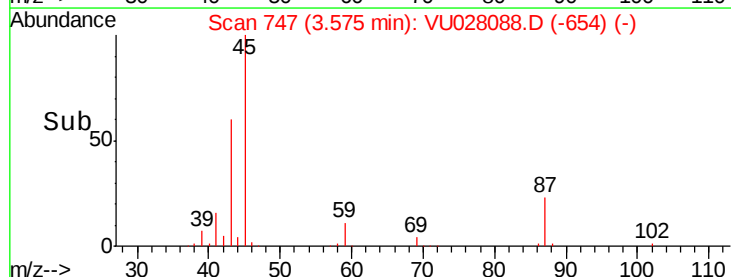
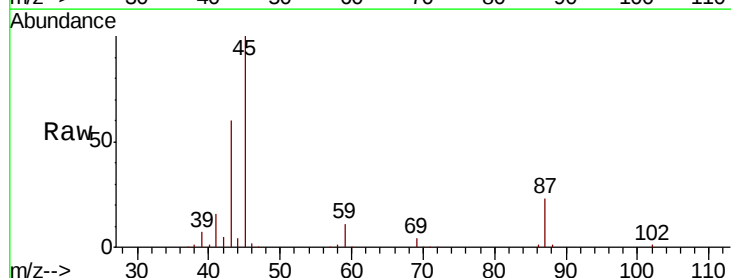
Ion Ratio Lower Upper

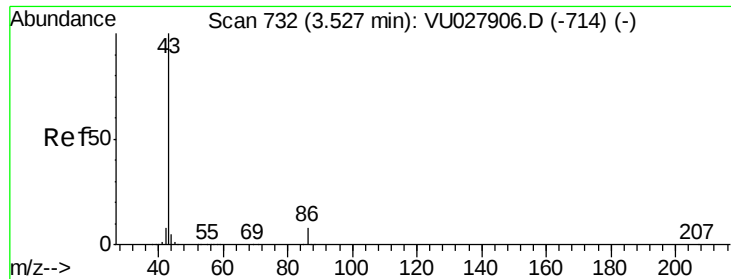
45 100

43 58.2 45.0 67.6

87 22.8 17.9 26.9

59 11.0 8.6 12.8





#23

Vinyl Acetate

Concen: 89.517 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 43 Resp: 973652

Ion Ratio Lower Upper

43 100

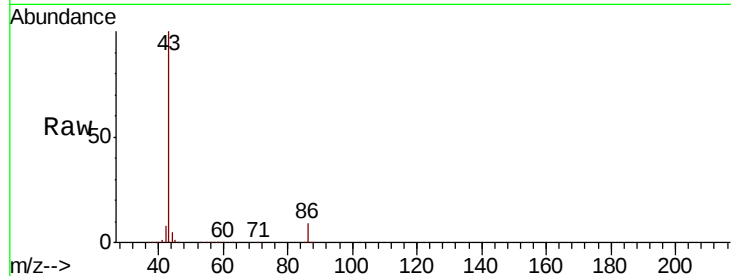
86 8.8 6.6 9.8

Manual Integrations

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11/14/2018 9:34:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028088.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028088.D (-639) (-)

3.53

400000

300000

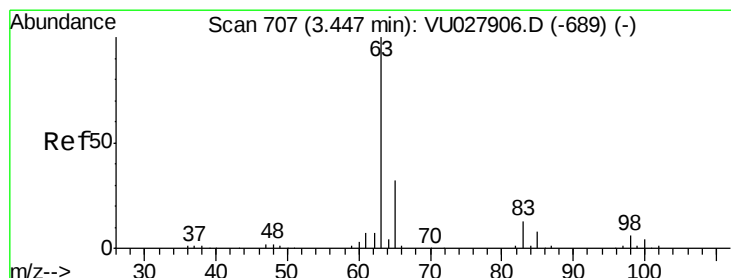
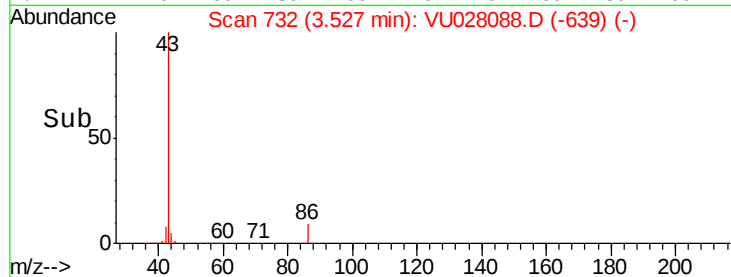
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 18.253 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

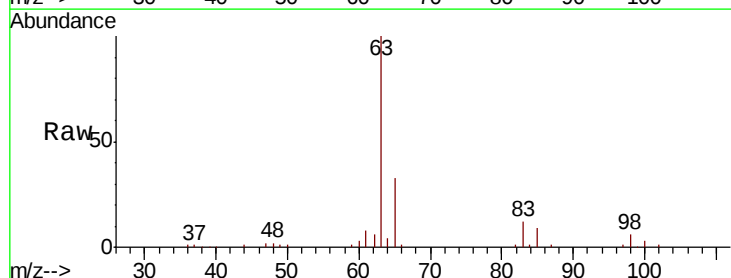
Tgt Ion: 63 Resp: 115063

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028088.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028088.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028088.D (-614) (-)

3.45

60000

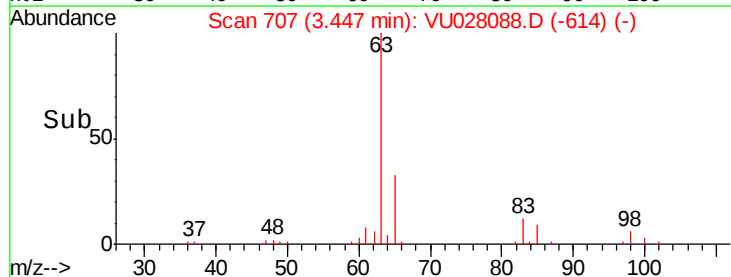
40000

20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 88.157 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 43 Resp: 309610

Ion Ratio Lower Upper

43 100

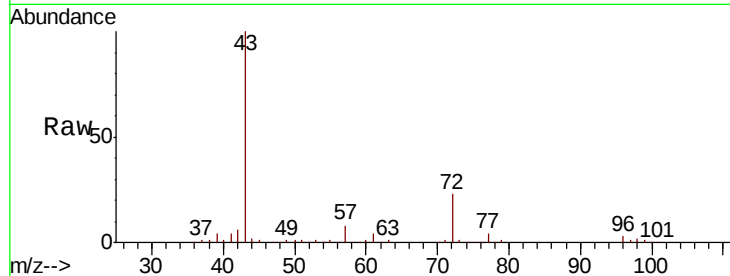
72 23.5 17.7 26.5

Manual Integrations

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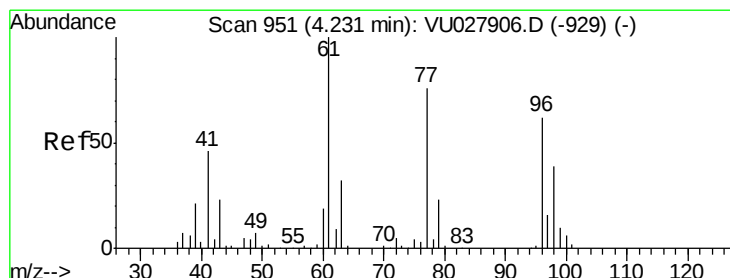
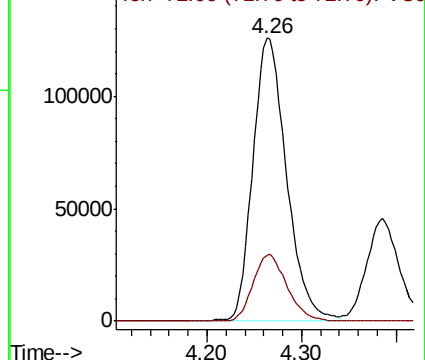
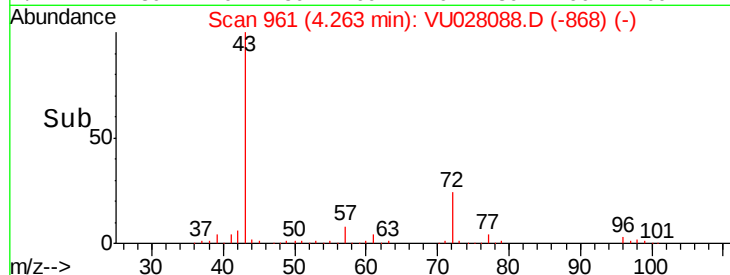
MMDadoda

11/14/2018 9:34:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028088.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU028088.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 18.812 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028088.D

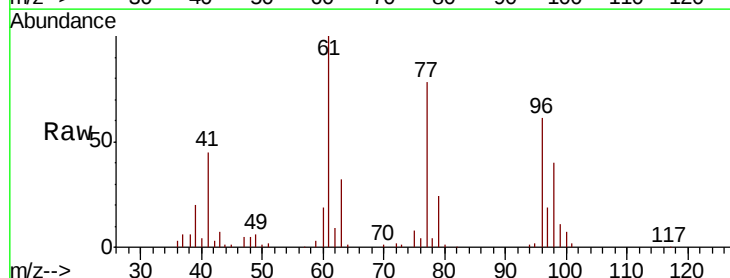
Acq: 13 Nov 2018 13:41

Tgt Ion: 77 Resp: 88992

Ion Ratio Lower Upper

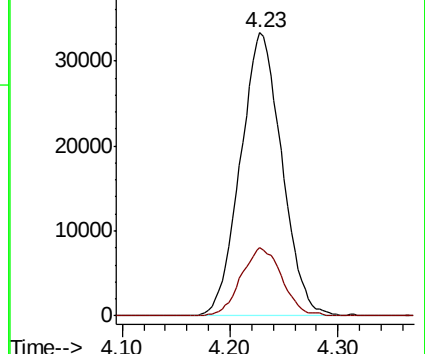
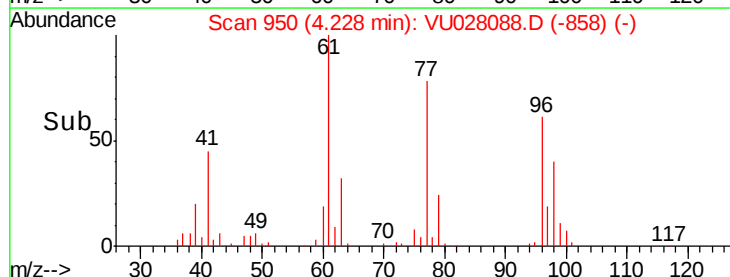
77 100

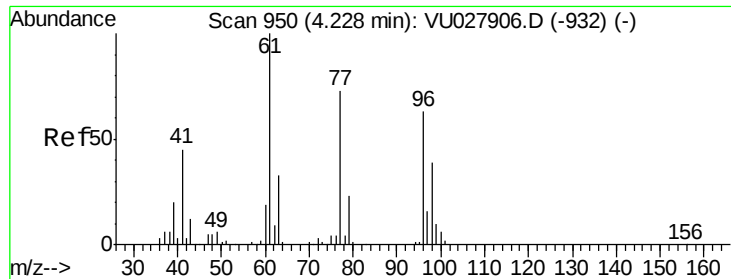
97 23.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU028088.D (-858) (-)

Ion 96.90 (96.60 to 97.60): VU028088.D (-858) (-)





#27

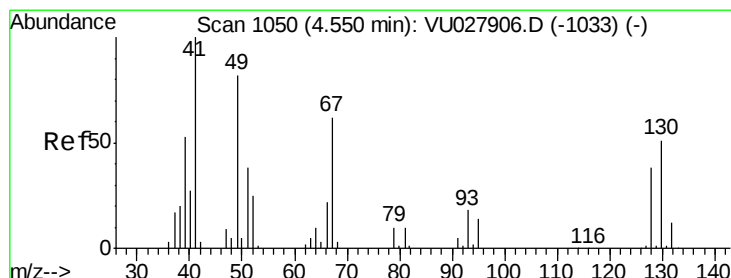
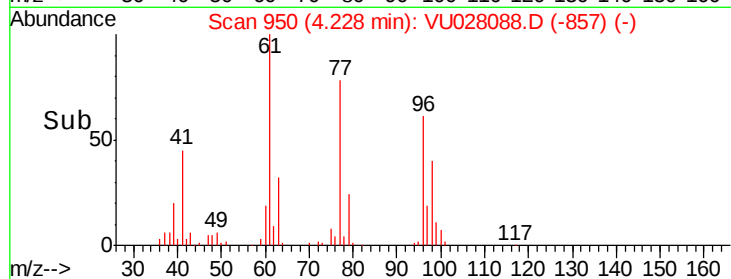
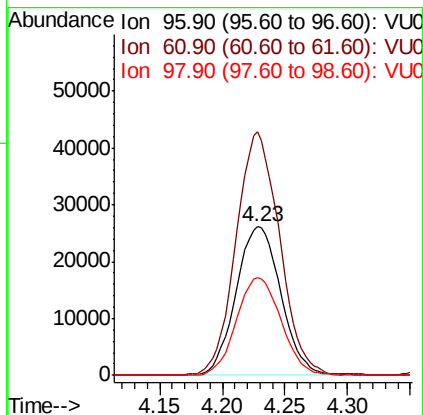
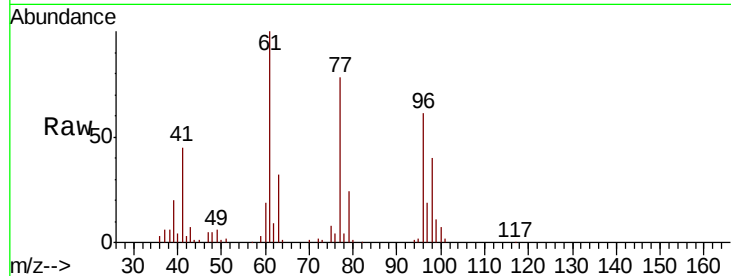
cis-1,2-Dichloroethene
Concen: 20.006 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	329.6
98	65.8	0.0	127.2

Manual Integrations
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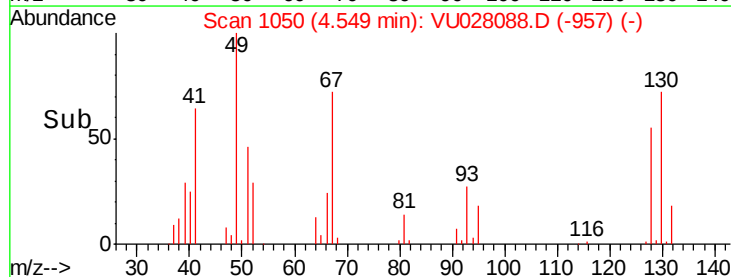
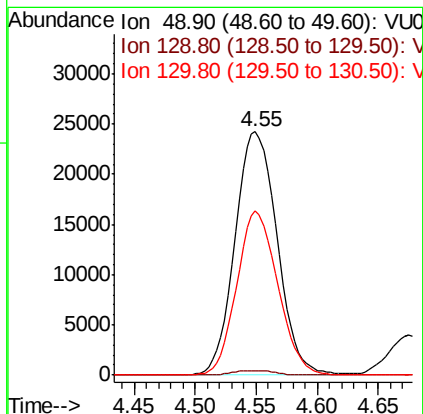
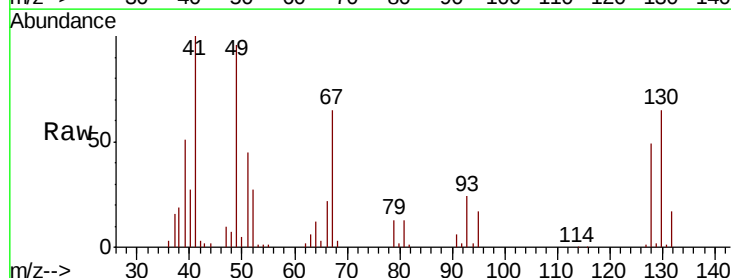
MMDadoda
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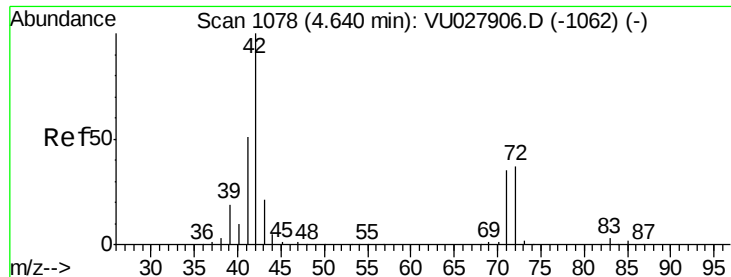


#28

Bromochloromethane
Concen: 19.607 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	65.6	47.8	71.6





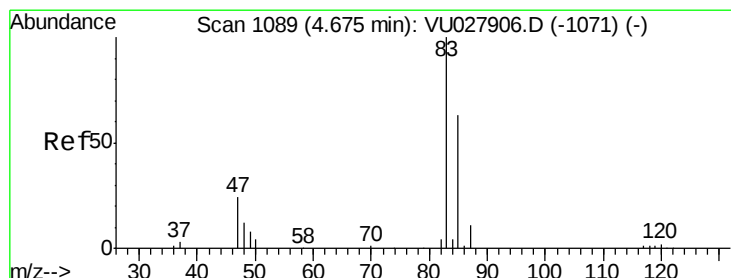
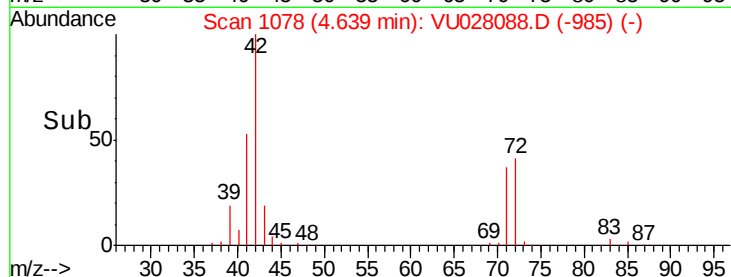
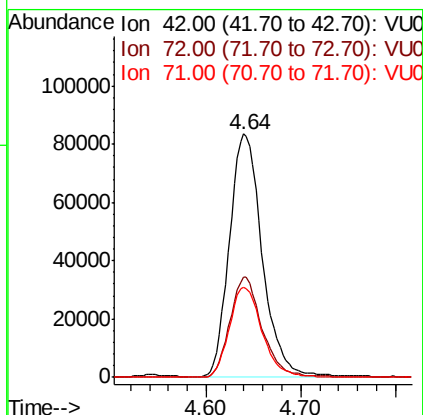
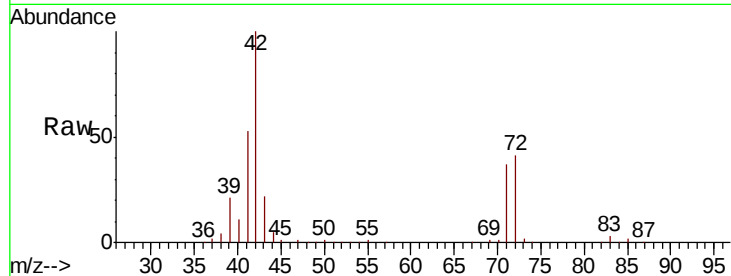
#29
Tetrahydrofuran
Concen: 85.625 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	29.4	44.0
71	37.1	27.9	41.9

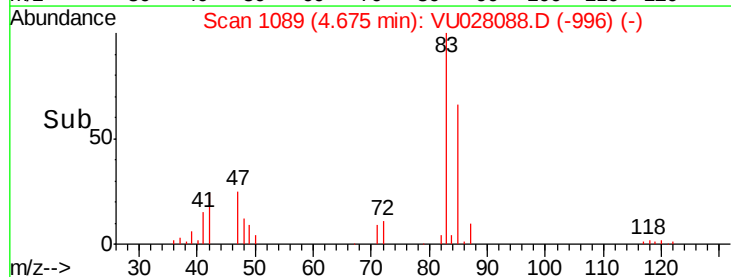
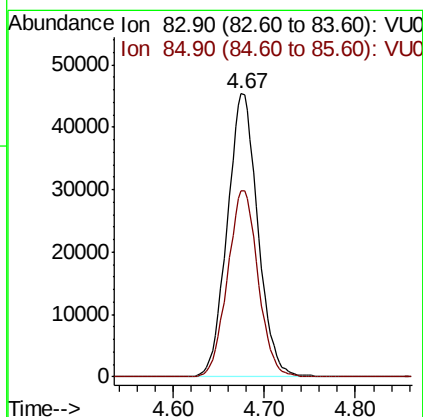
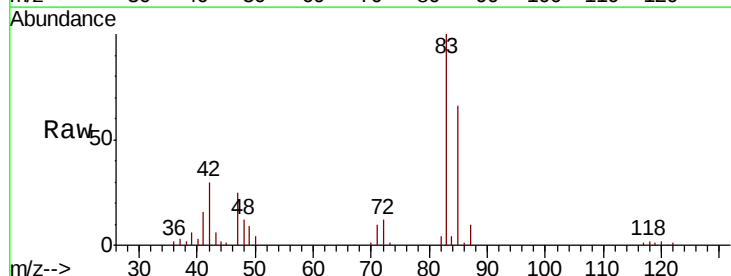
Manual Integrations
APPROVED

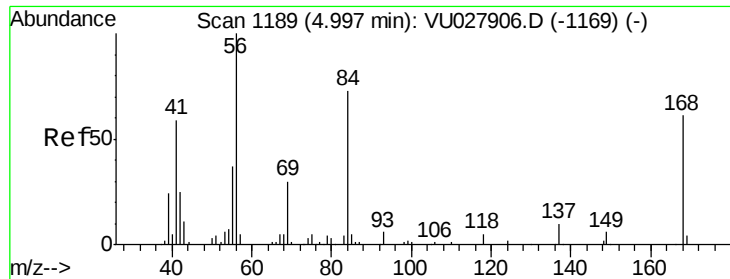
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11/14/2018 9:34:35 AM



#30
Chloroform
Concen: 18.324 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.6	76.0





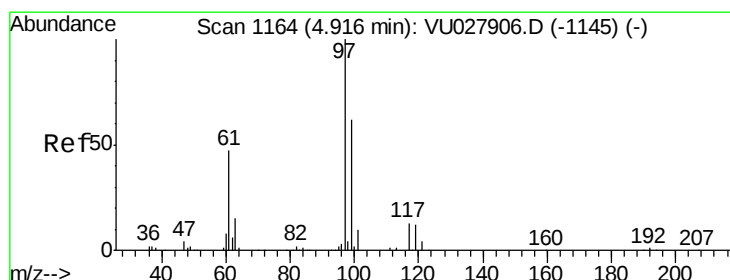
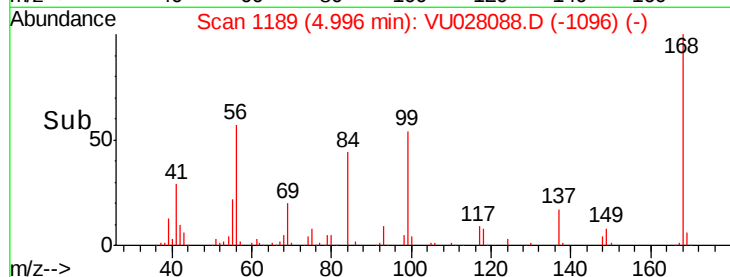
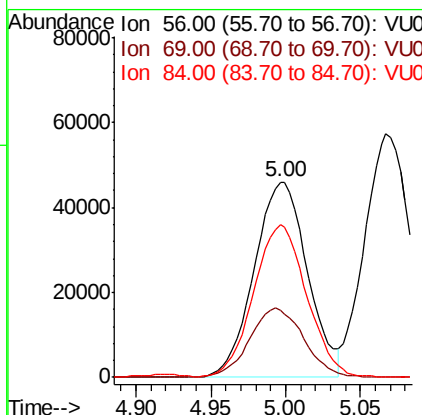
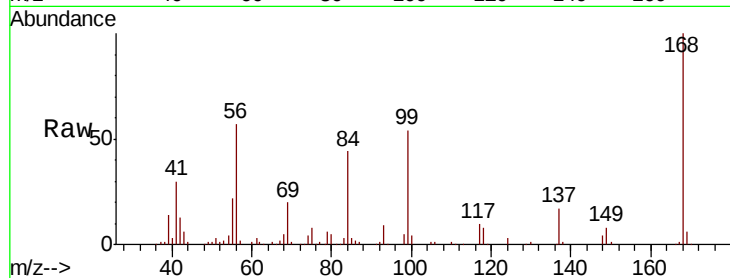
#31
Cyclohexane
Concen: 17.287 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	23.7	35.5
84	77.3	58.2	87.4

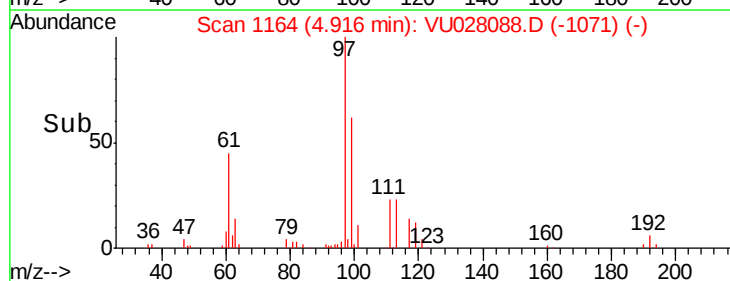
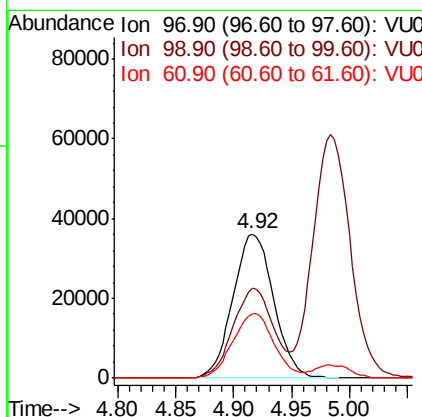
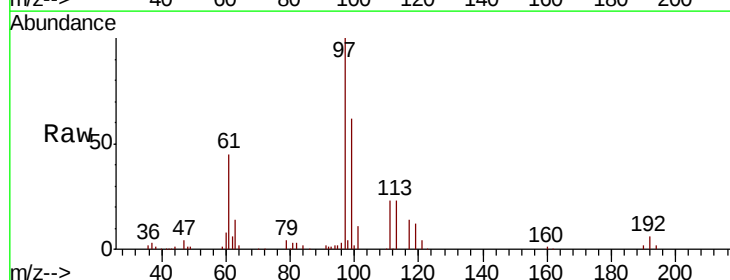
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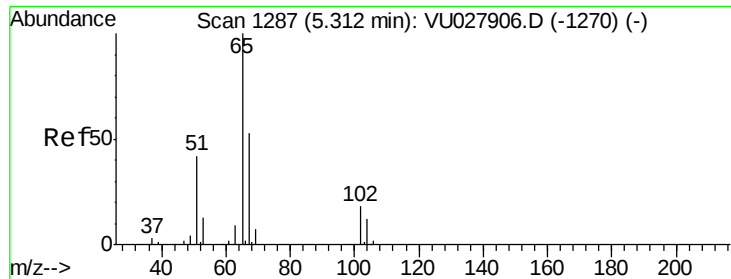
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#32
1,1,1-Trichloroethane
Concen: 19.222 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.5	75.7
61	45.7	38.3	57.5





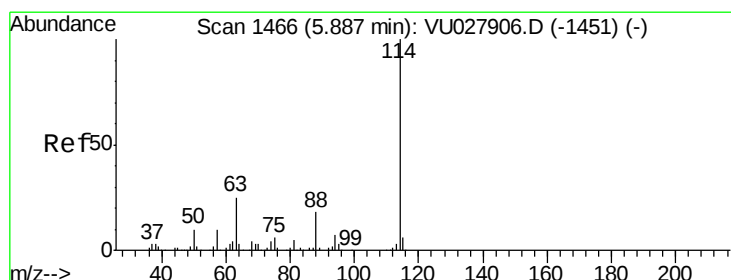
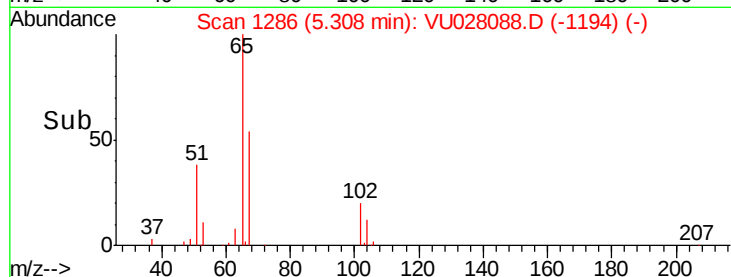
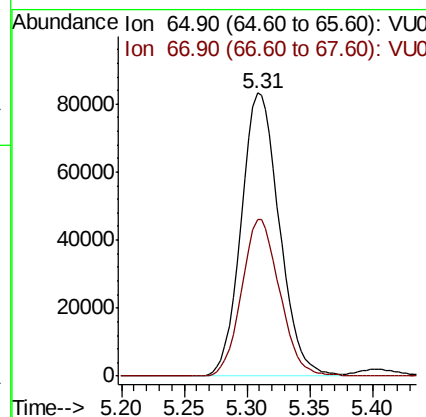
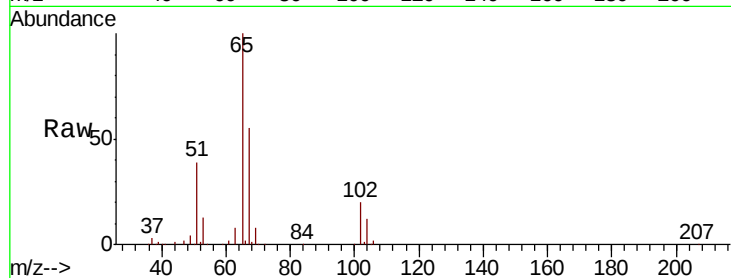
#33
 1,2-Dichloroethane-d4
 Concen: 49.402 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	109.0

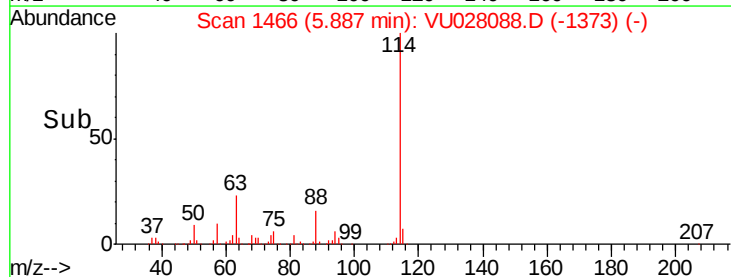
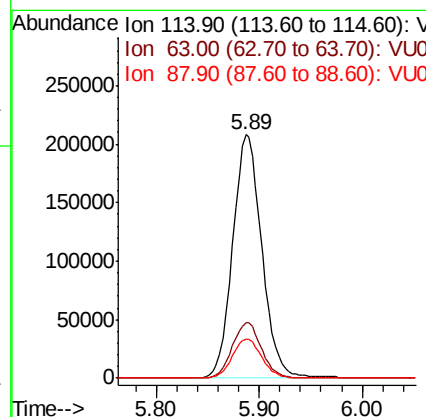
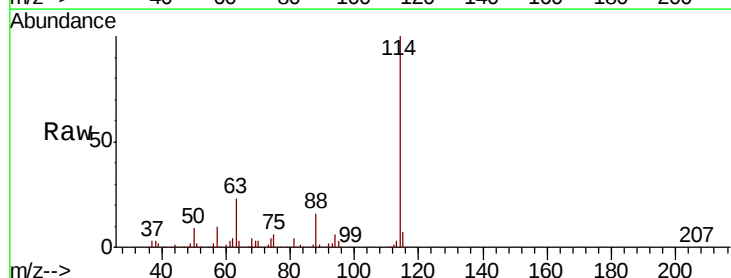
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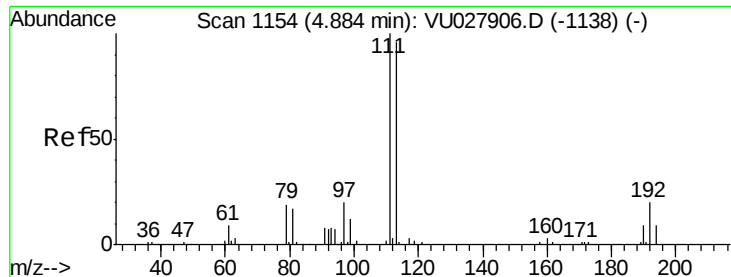
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	50.8
88	15.9	0.0	35.8





#35

Dibromofluoromethane

Concen: 51.818 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

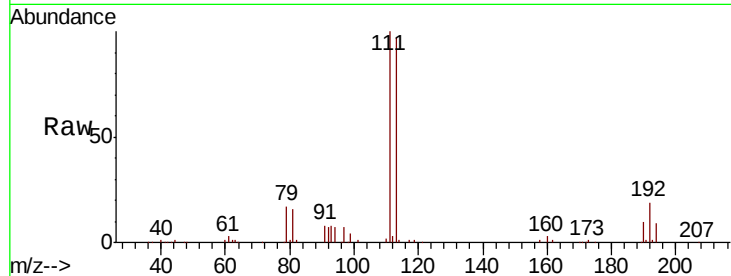
ClientSampleId :

VU1113WBSD01

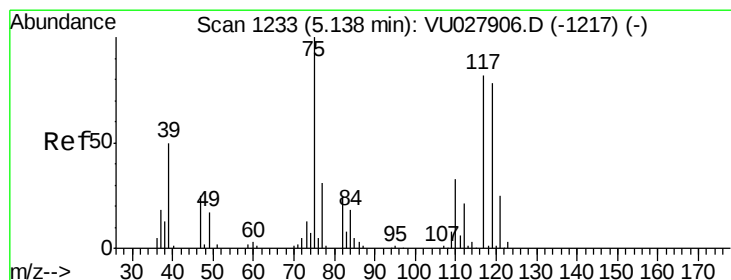
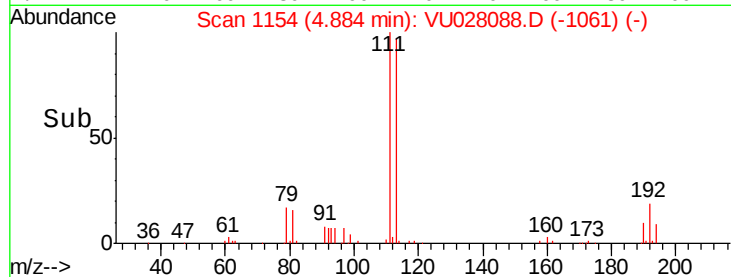
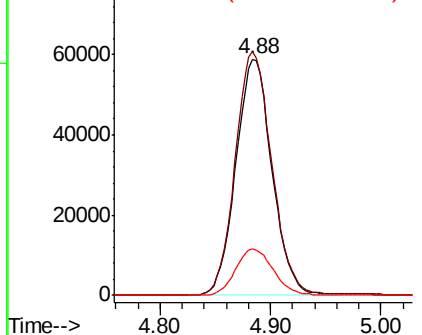
Tot Ion:	113	Resp:	133804
Ion Ratio	Lower	Upper	
113	100		
111	104.2	83.0	124.6
192	20.3	15.6	23.4

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.719 ug/l

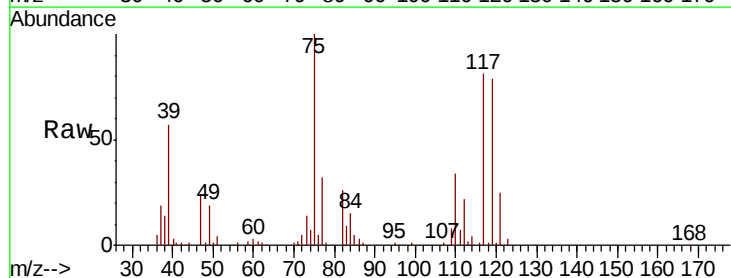
RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

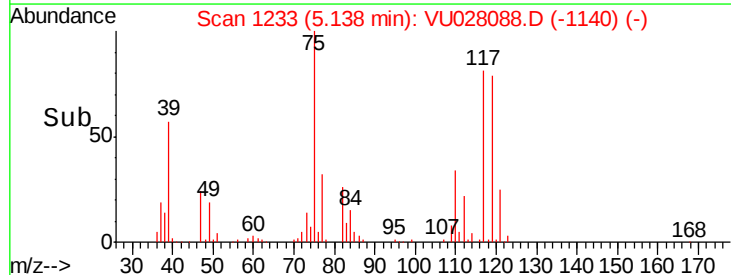
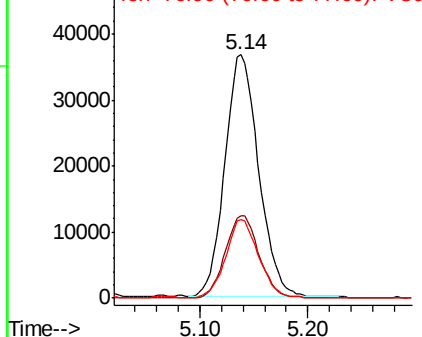
Lab File: VU028088.D

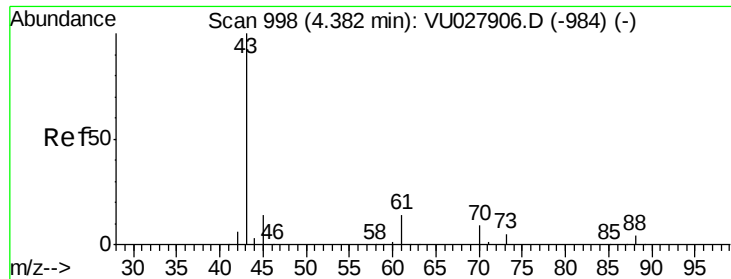
Acq: 13 Nov 2018 13:41

Tgt Ion:	75	Resp:	80291
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.5	49.5
77	31.7	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 17.507 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

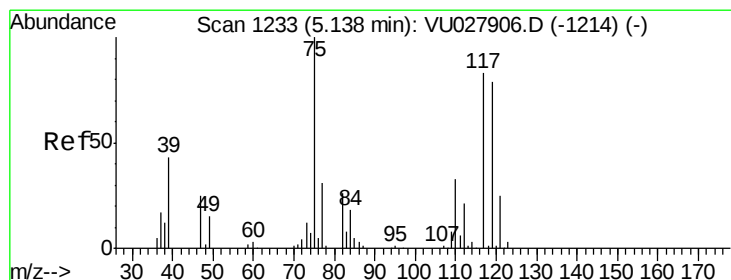
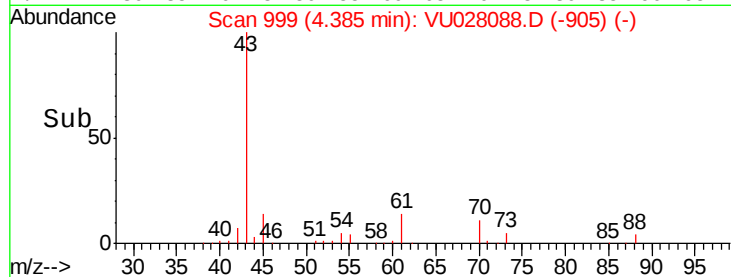
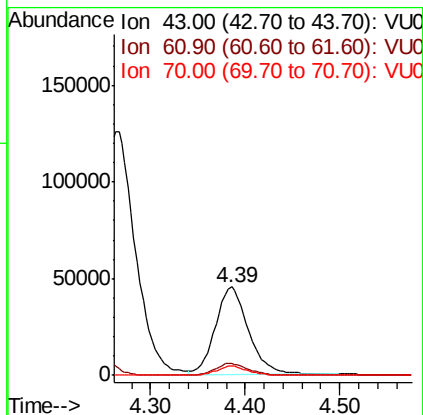
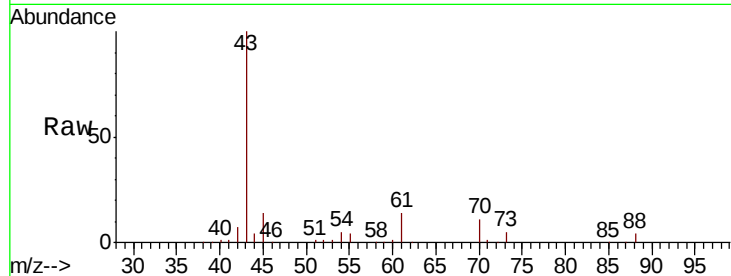
ClientSampleId :

VU1113WBSD01

Tot Ion:	43	Resp:	110026
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.3	15.5
70	9.8	7.0	10.6

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#38

Carbon Tetrachloride

Concen: 18.689 ug/l

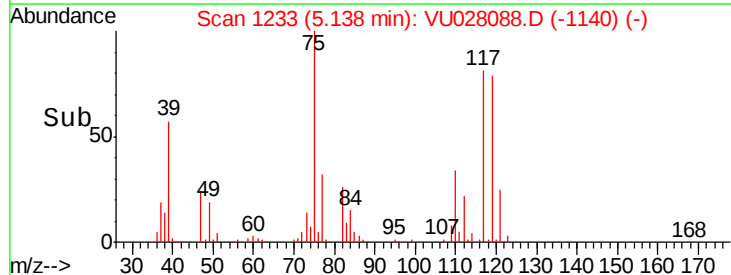
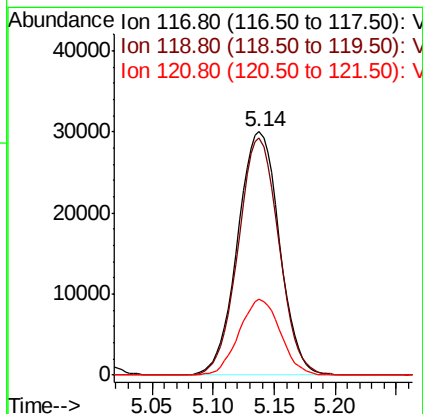
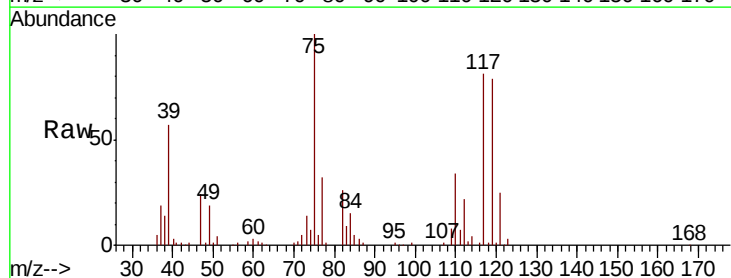
RT: 5.14 min Scan# 1233

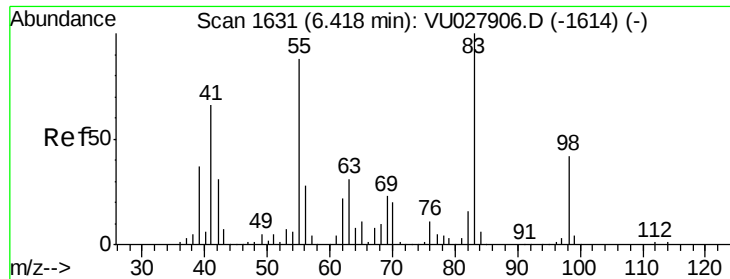
Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion:	117	Resp:	71038
Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.0	114.0
121	31.0	24.5	36.7





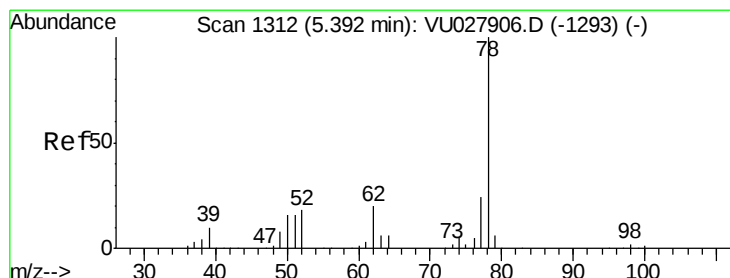
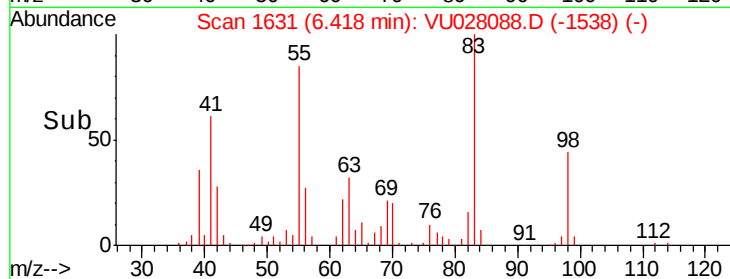
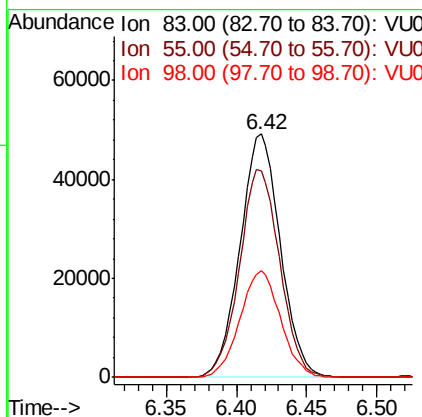
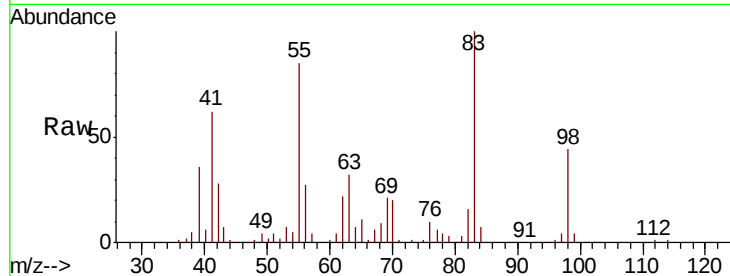
#39
Methvlcvclohexane
Concen: 19.061 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	70.3	105.5
98	43.6	34.0	51.0

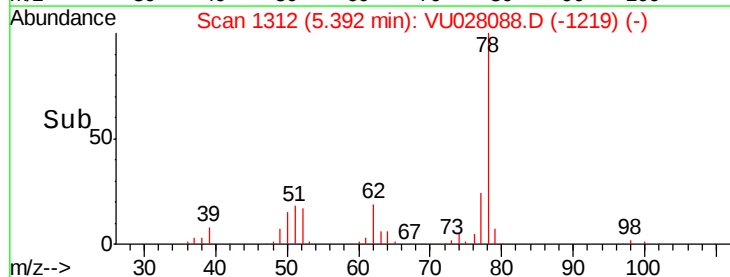
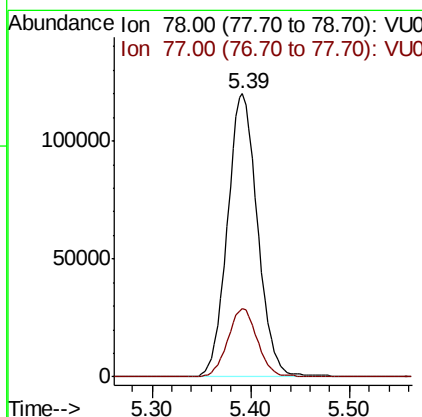
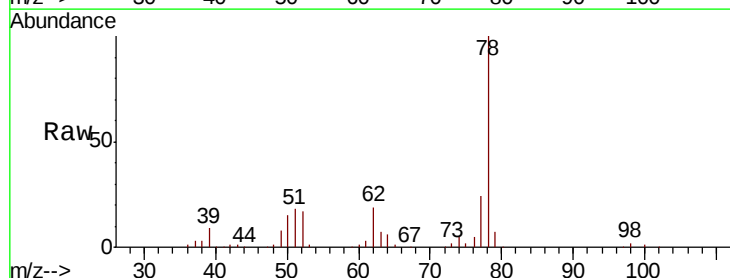
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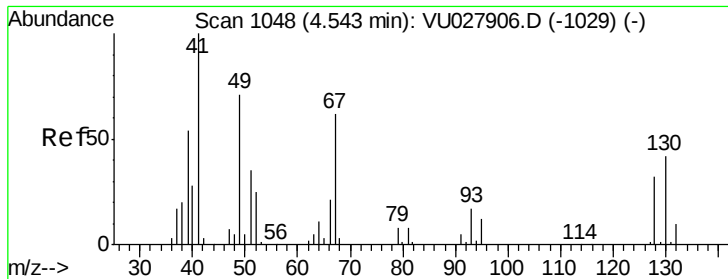
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#40
Benzene
Concen: 19.525 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





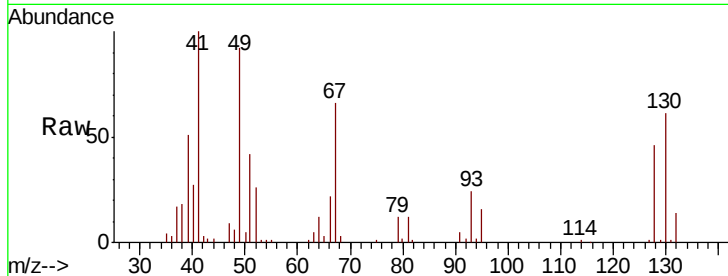
#41
Methacrylonitrile
Concen: 18.601 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.5	42.2	63.4	
67	66.3	49.5	74.3	
52	26.8	20.5	30.7	

Manual Integrations
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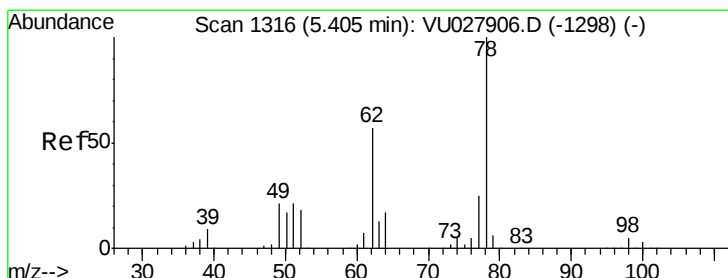
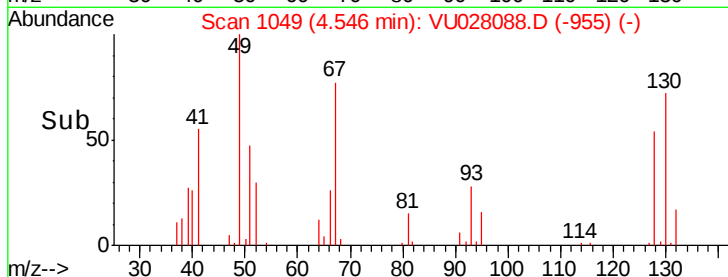
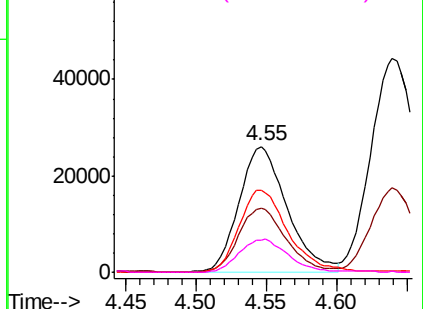
Abundance

Ion 41.00 (40.70 to 41.70): VU027906.D (-1029) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1029) (-)

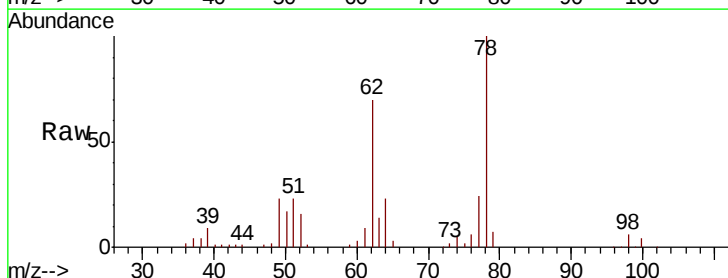
Ion 67.00 (66.70 to 67.70): VU027906.D (-1029) (-)

Ion 52.00 (51.70 to 52.70): VU027906.D (-1029) (-)



#42
1,2-Dichloroethane
Concen: 18.624 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

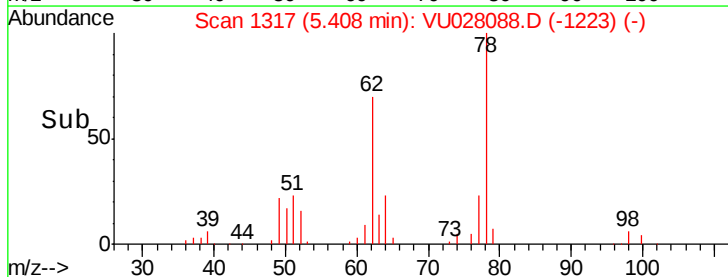
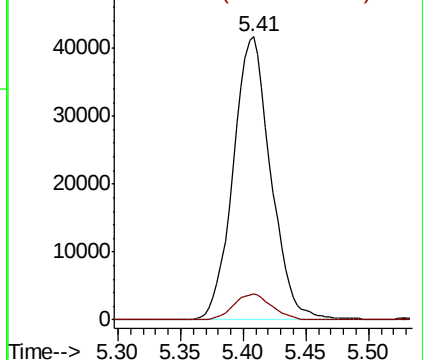
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.2	

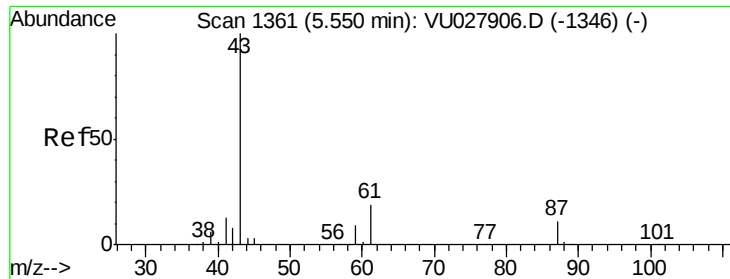


Abundance

Ion 61.90 (61.60 to 62.60): VU027906.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-1298) (-)





#43

Isopropyl Acetate

Concen: 18.142 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

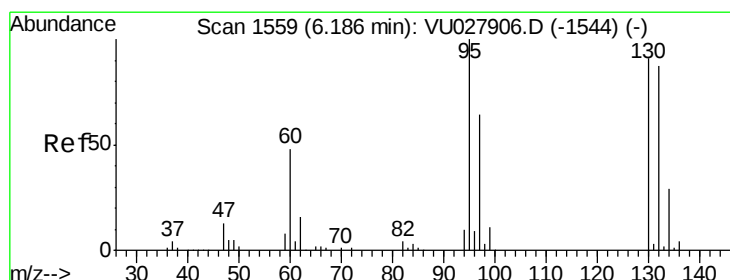
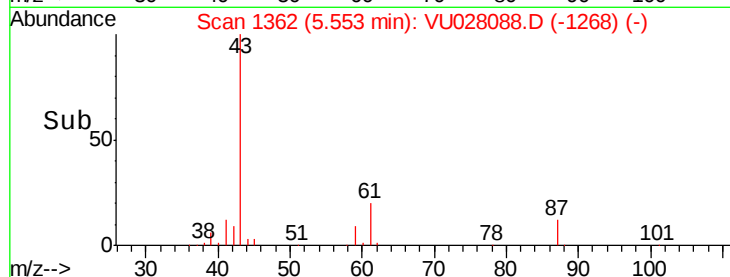
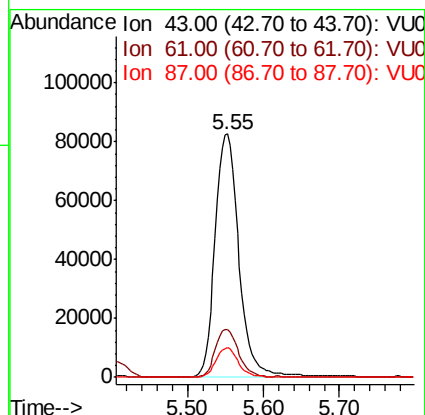
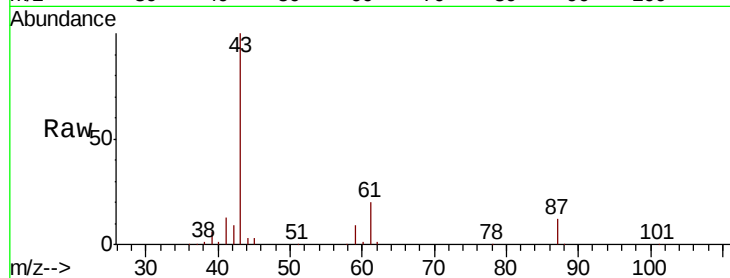
ClientSampleId :

VU1113WBSD01

Tot Ion:	43	Resp:	178626
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.0	22.4
87	11.6	8.6	12.8

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#44

Trichloroethene

Concen: 20.784 ug/l

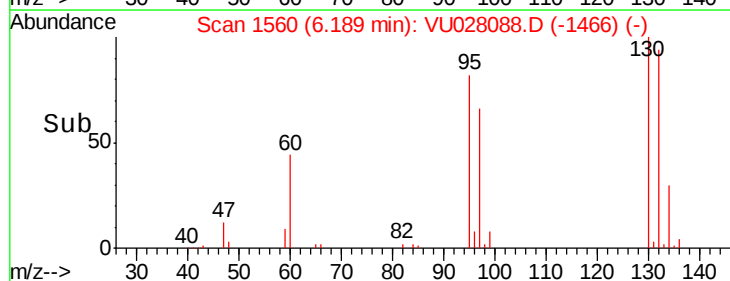
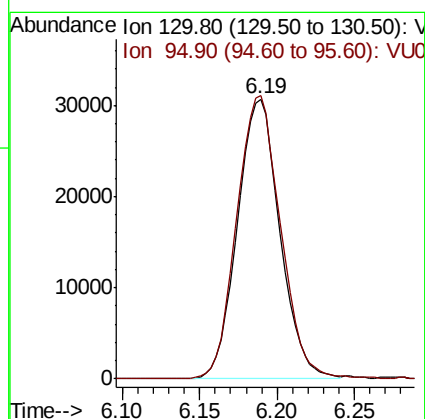
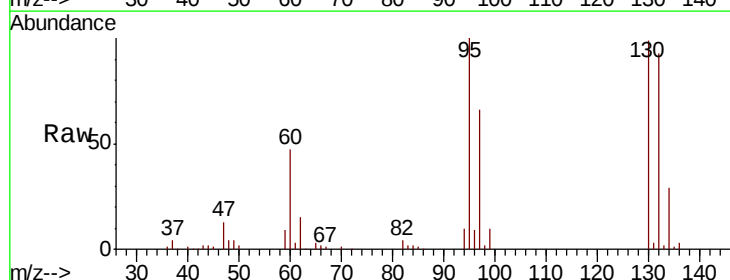
RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion:	130	Resp:	58586
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	219.2





#45

1,2-Dichloropropane

Concen: 19.117 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 63 Resp: 72301

Ion Ratio Lower Upper

63 100

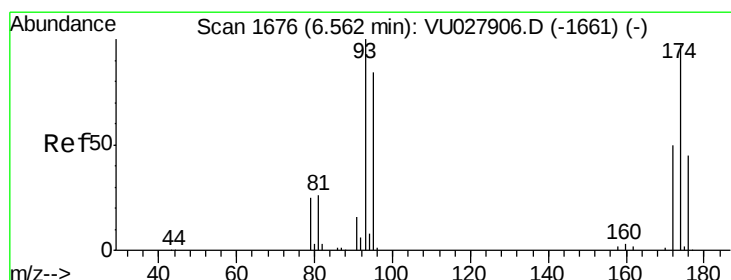
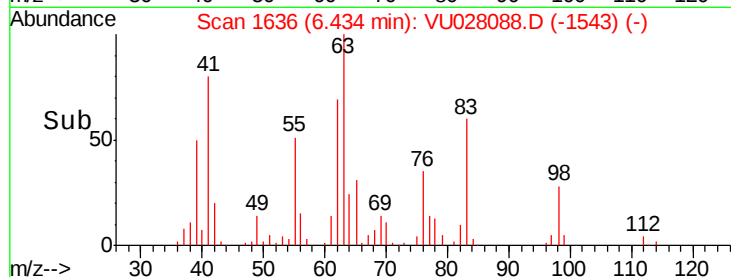
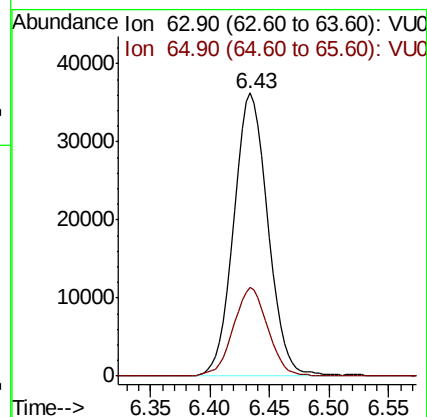
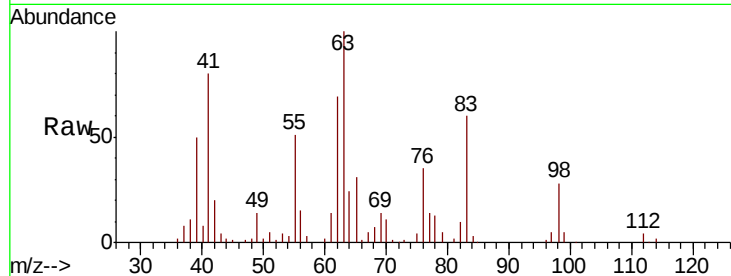
65 31.2 24.4 36.6

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#46

Dibromomethane

Concen: 19.444 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

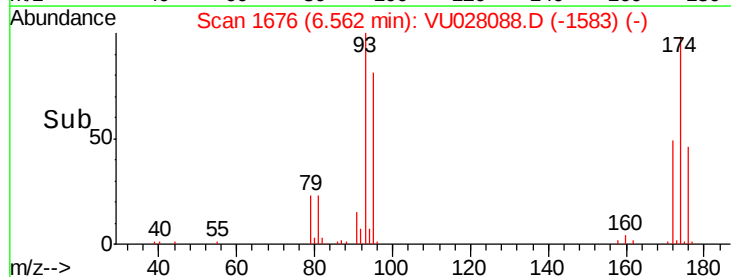
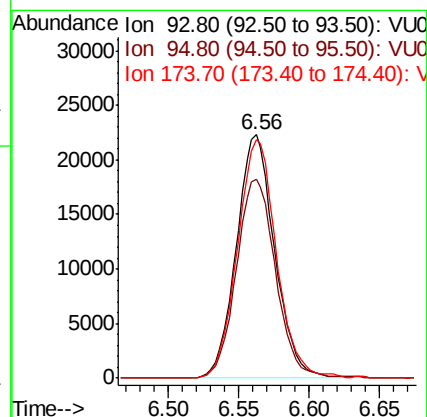
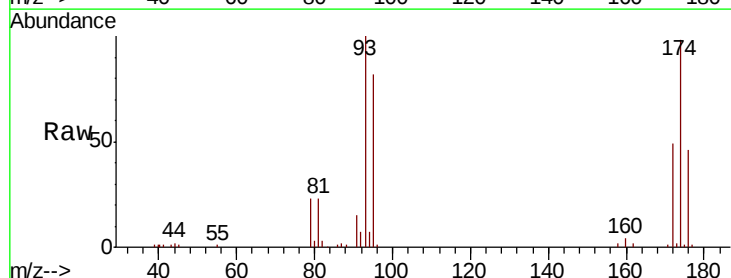
Tgt Ion: 93 Resp: 42269

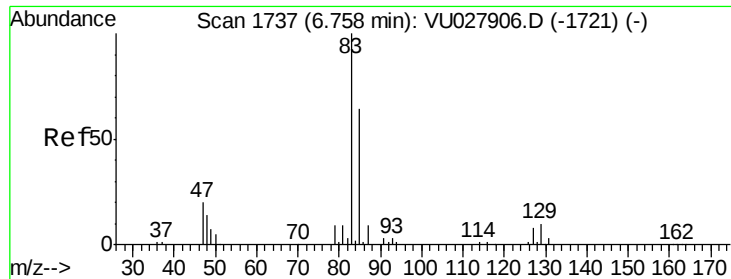
Ion Ratio Lower Upper

93 100

95 83.6 68.5 102.7

174 99.9 76.1 114.1





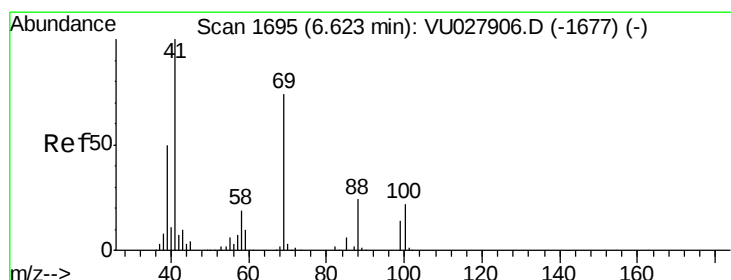
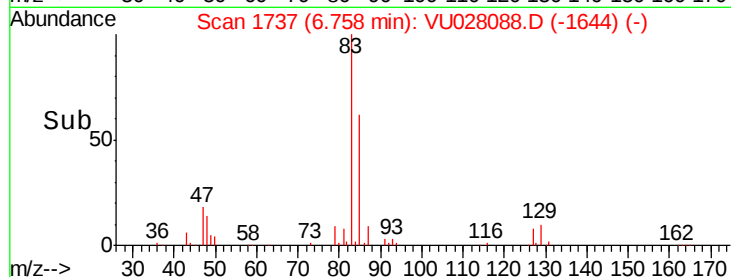
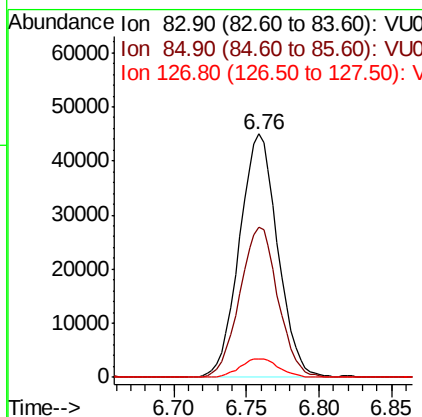
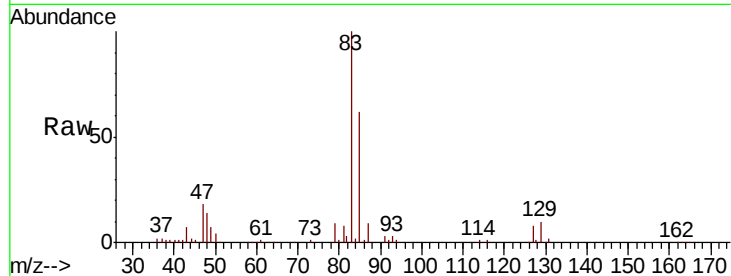
#47
Bromodichloromethane
Concen: 19.699 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.0	76.6
127	7.6	6.2	9.4

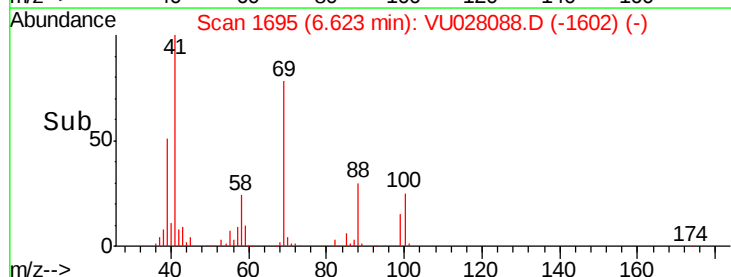
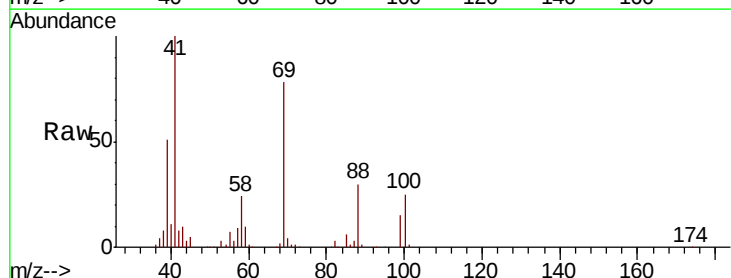
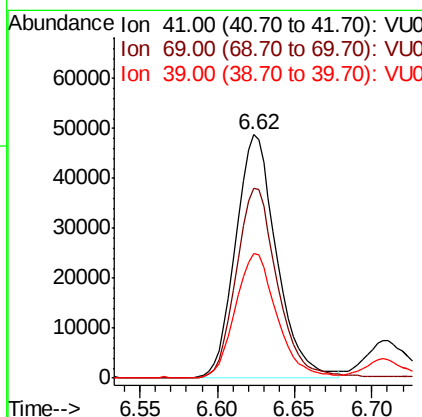
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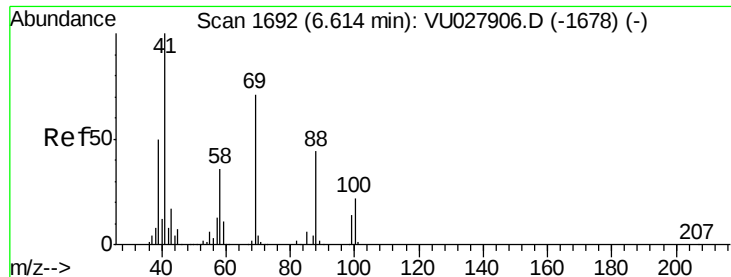
MMDadoda
11/14/2018 9:34:35 AM



#48
Methyl methacrylate
Concen: 18.535 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.8	89.8
39	52.2	40.0	60.0





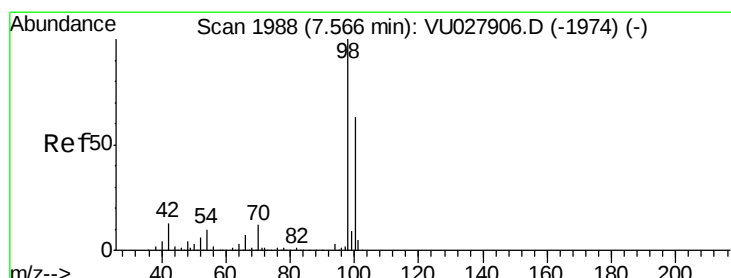
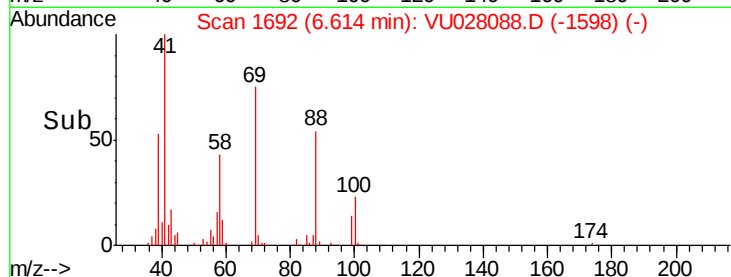
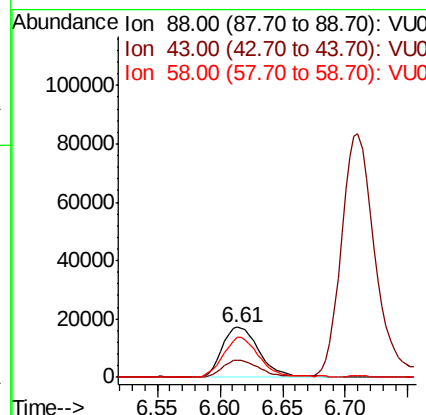
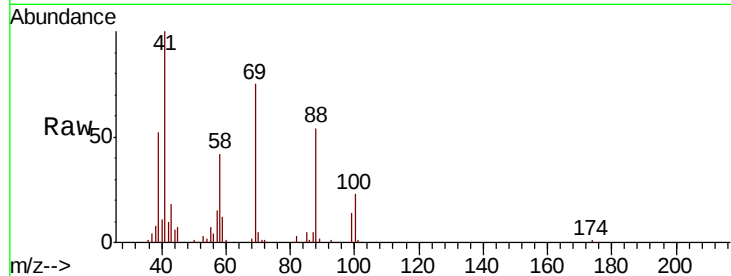
#49
1,4-Dioxane
Concen: 449.638 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	30.5	45.7
58	76.7	67.1	100.7

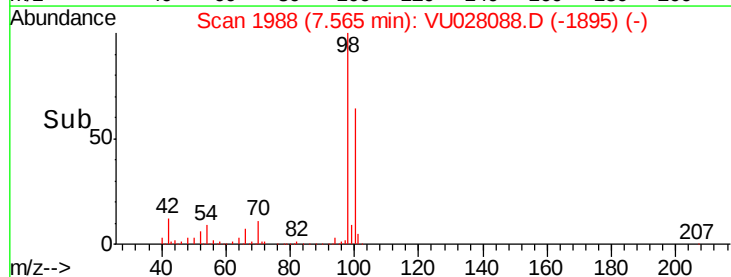
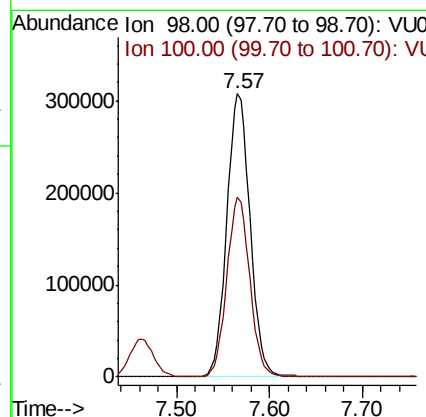
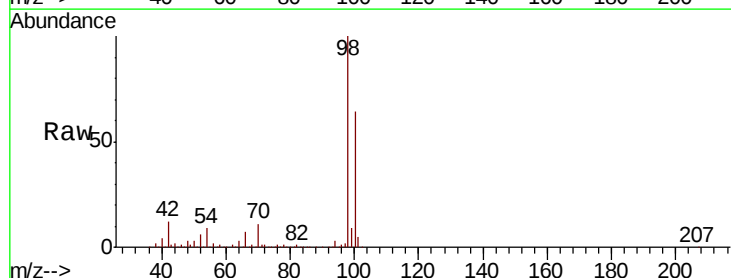
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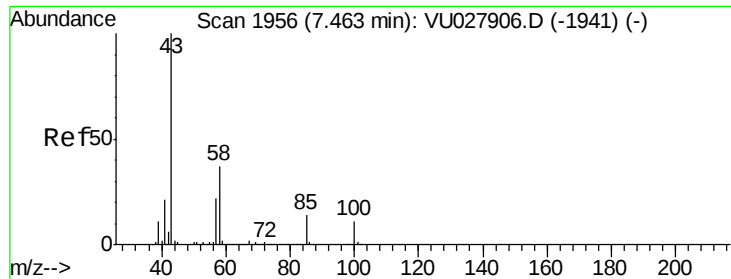
MMDadoda
11/14/2018 9:34:35 AM



#50
Toluene-d8
Concen: 53.786 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 90.137 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 43 Resp: 592709

Ion Ratio Lower Upper

43 100

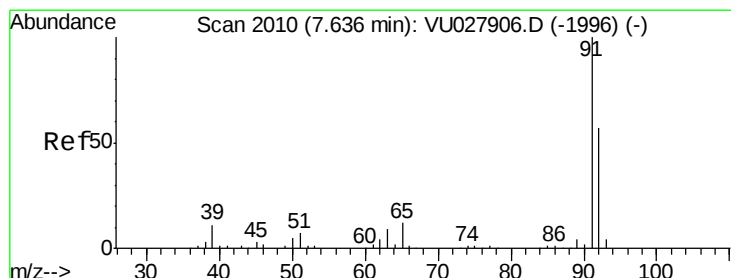
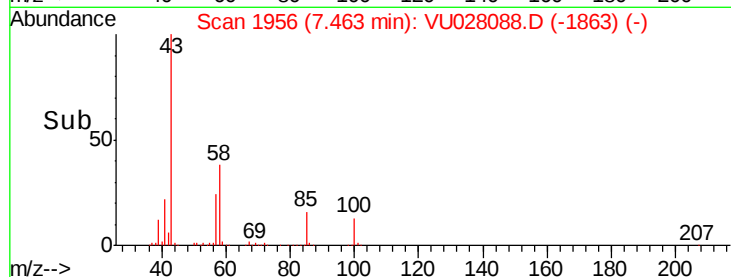
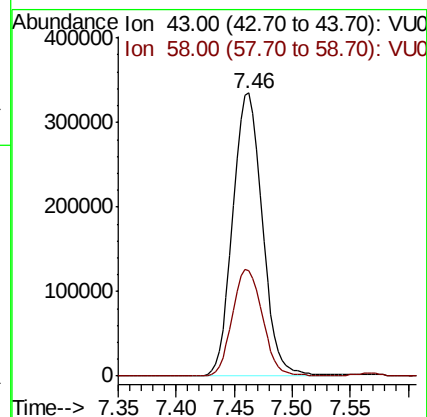
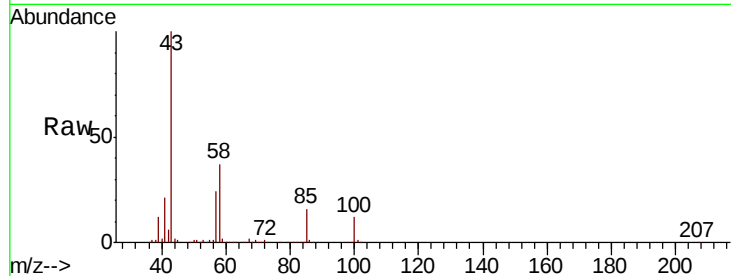
58 38.3 29.5 44.3

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#52

Toluene

Concen: 19.911 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028088.D

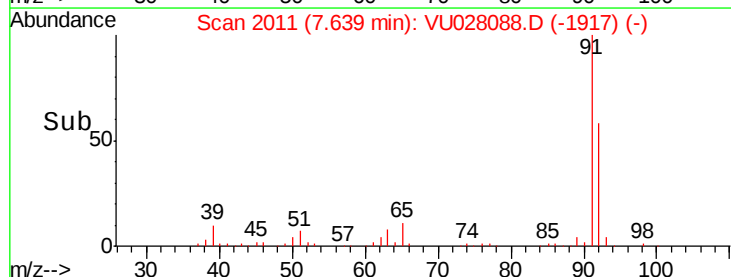
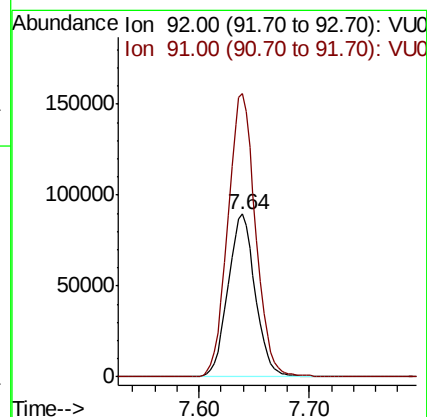
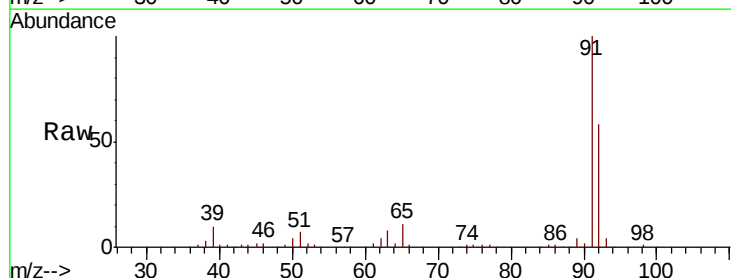
Acq: 13 Nov 2018 13:41

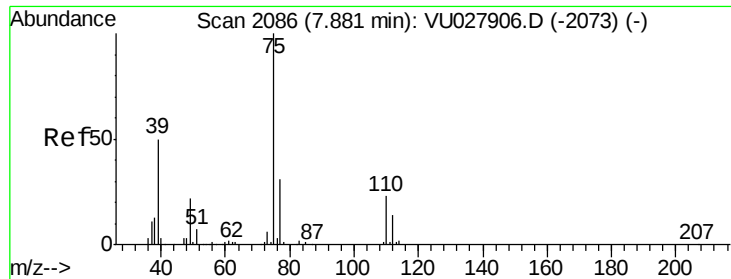
Tgt Ion: 92 Resp: 153506

Ion Ratio Lower Upper

92 100

91 176.9 141.2 211.8





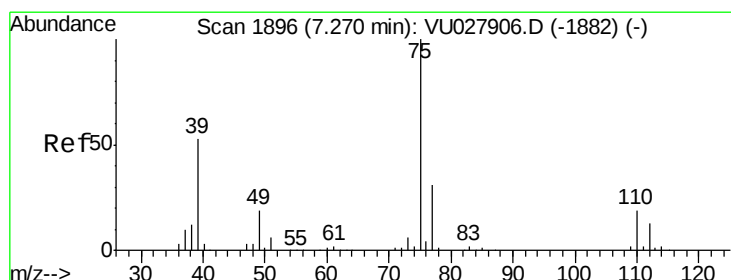
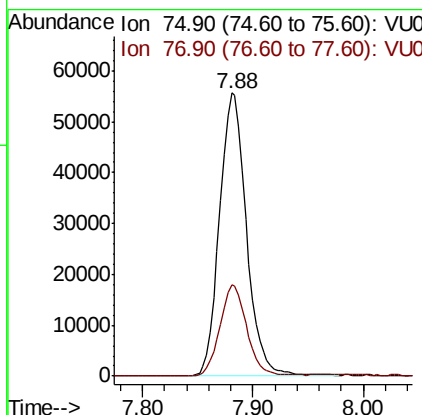
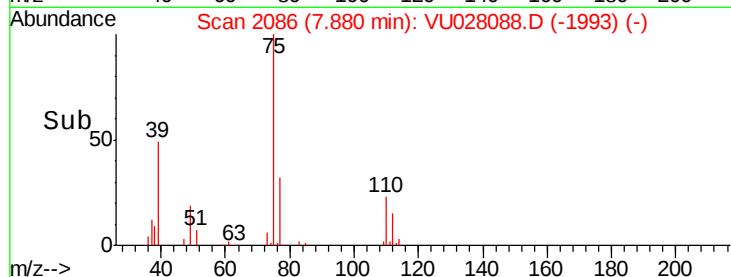
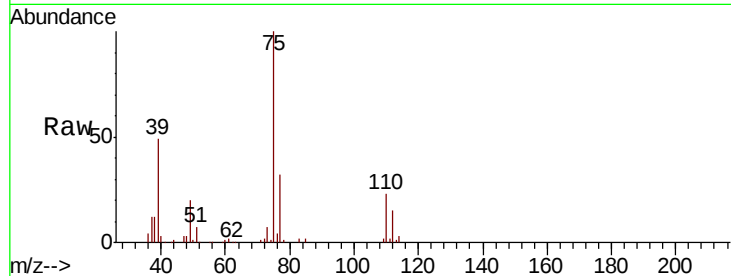
#53
t-1,3-Dichloropropene
Concen: 18.904 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion: 75 Resp: 94516
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7

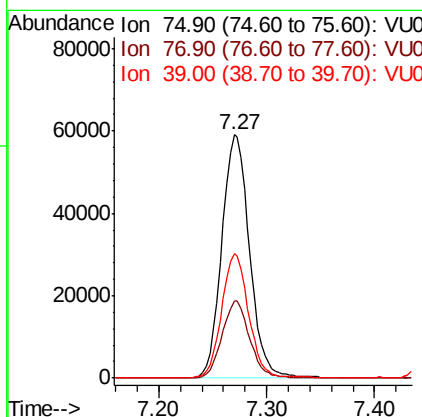
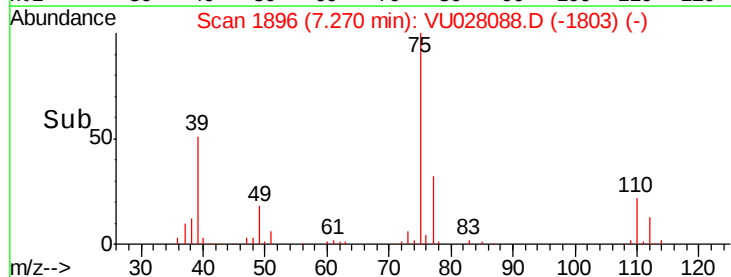
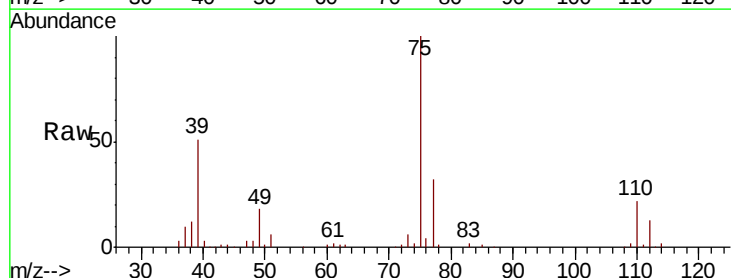
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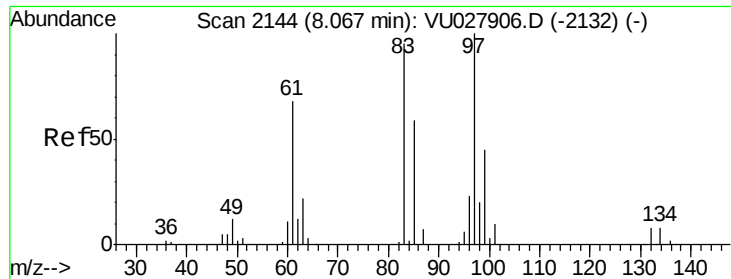
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#54
cis-1,3-Dichloropropene
Concen: 20.499 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion: 75 Resp: 105868
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0
39 51.1 42.6 64.0





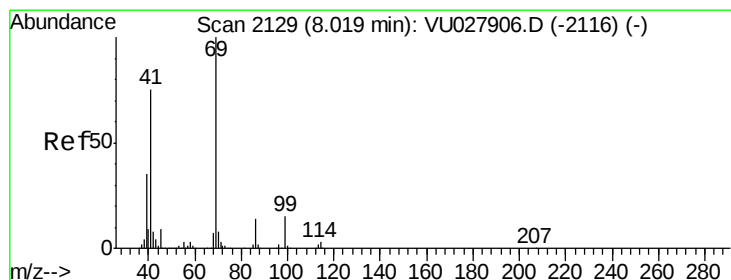
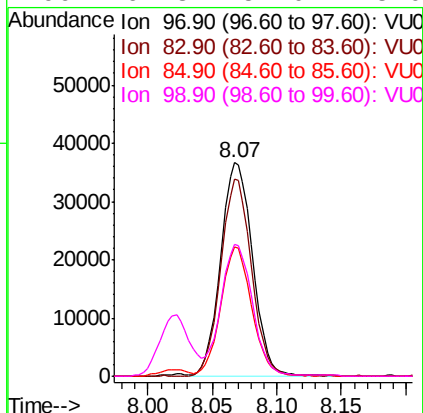
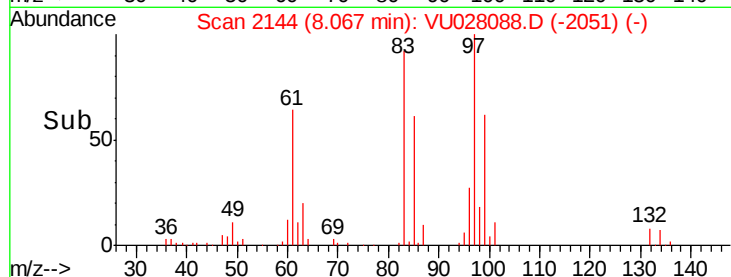
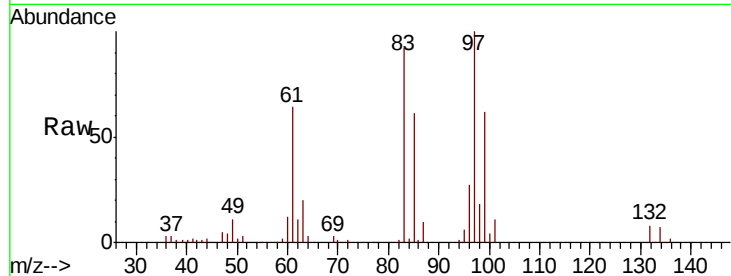
#55
1,1,2-Trichloroethane
Concen: 20.100 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion:	97	Resp:	63045
Ion	Ratio	Lower	Upper
97	100		
83	92.4	76.1	114.1
85	60.8	48.9	73.3
99	61.3	52.0	78.0

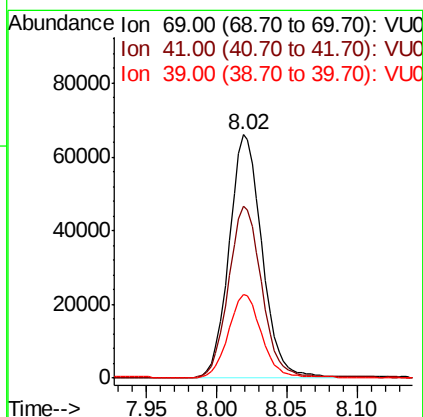
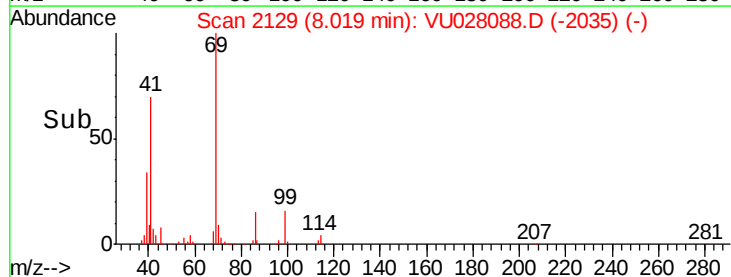
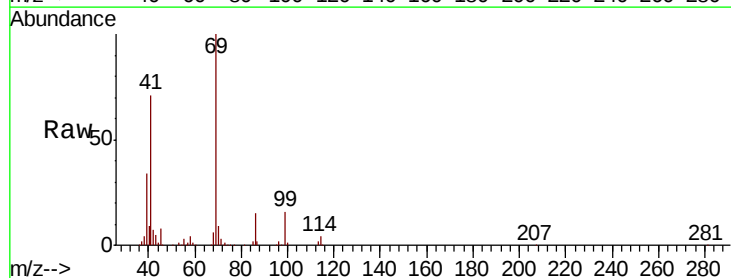
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#56
Ethyl methacrylate
Concen: 19.525 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion:	69	Resp:	107997
Ion	Ratio	Lower	Upper
69	100		
41	71.0	59.8	89.6
39	35.5	28.6	42.8





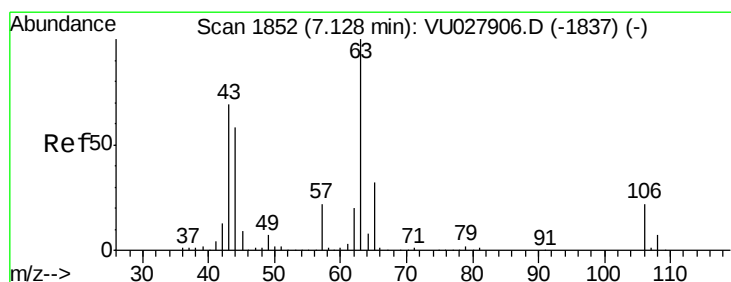
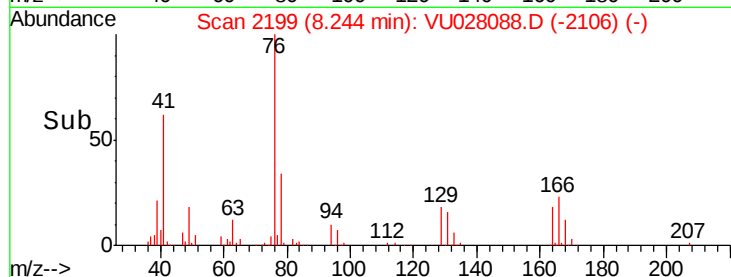
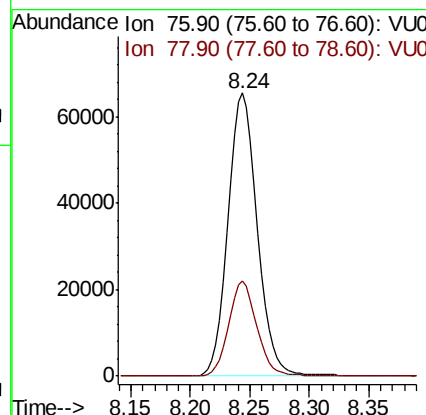
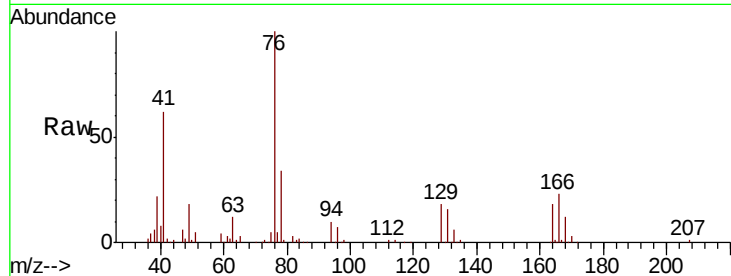
#57
 1,3-Dichloropropane
 Concen: 19.563 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1113WBSD01

Tot Ion: 76 Resp: 111773
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

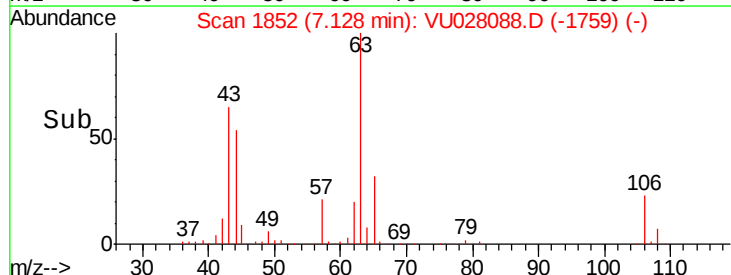
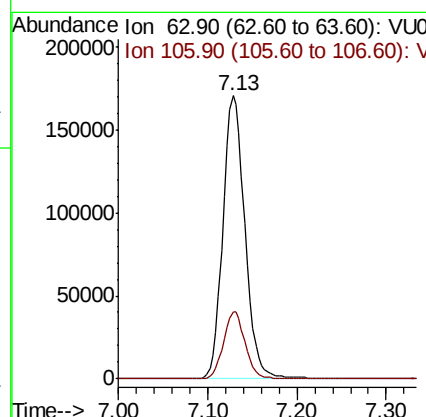
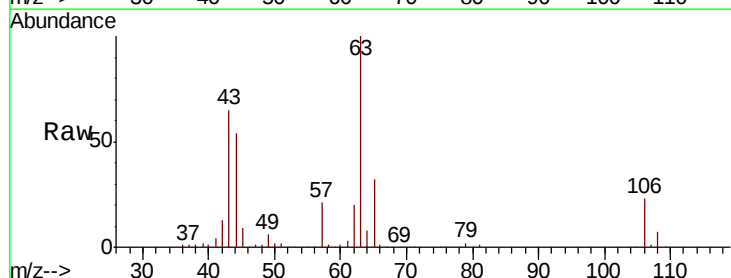
Manual Integrations
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 11/14/2018 9:34:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.473 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Tgt Ion: 63 Resp: 291720
 Ion Ratio Lower Upper
 63 100
 106 23.3 17.8 26.6





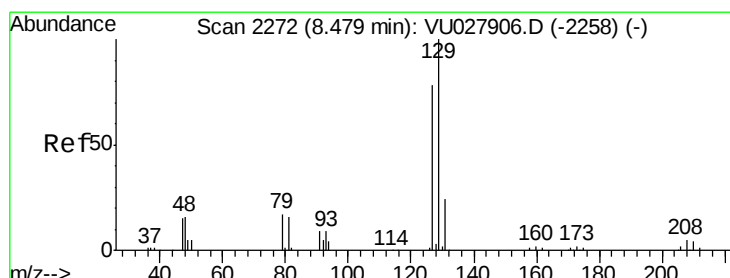
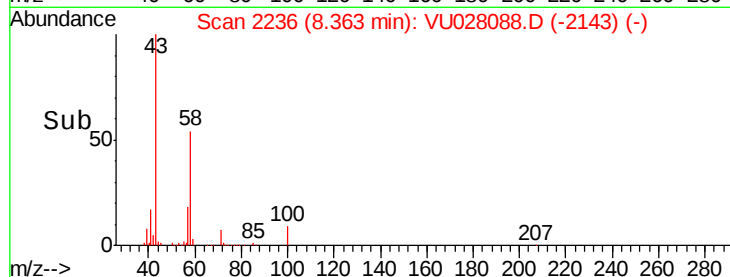
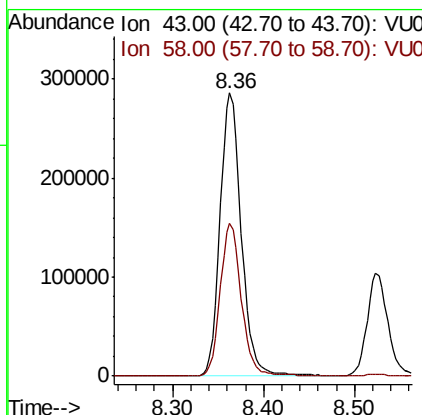
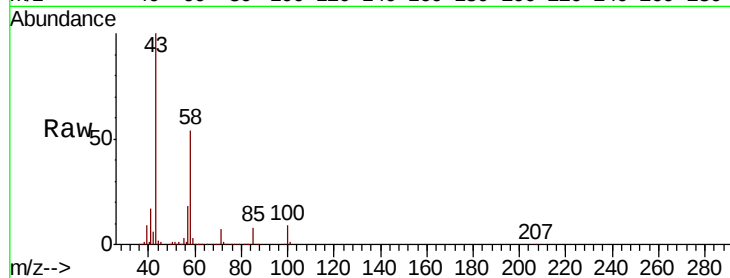
#59
2-Hexanone
Concen: 90.921 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion: 43 Resp: 462404
Ion Ratio Lower Upper
43 100
58 54.0 25.8 77.3

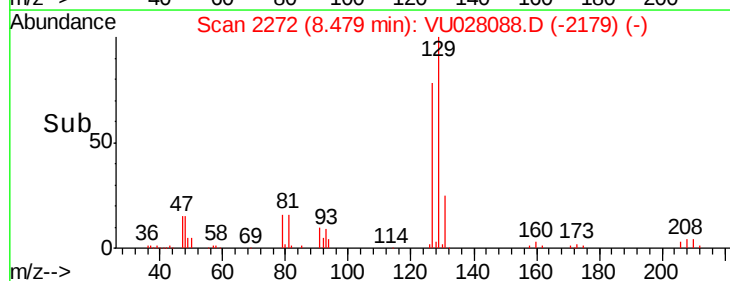
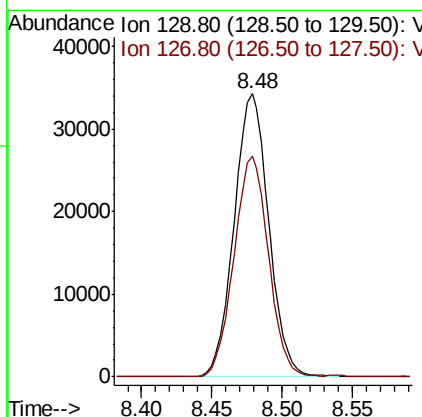
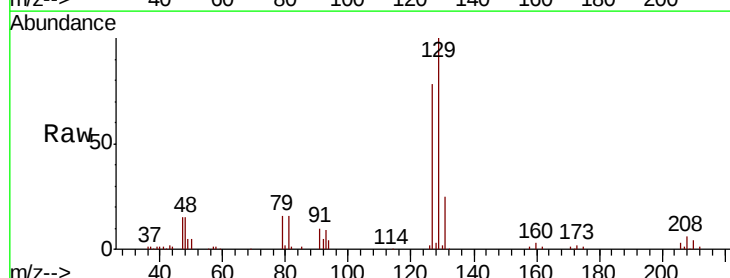
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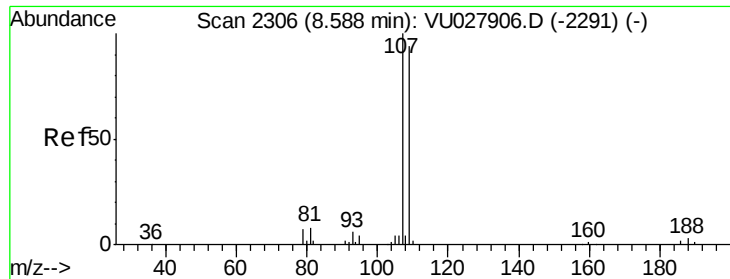
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#60
Dibromochloromethane
Concen: 19.871 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion: 129 Resp: 58977
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6





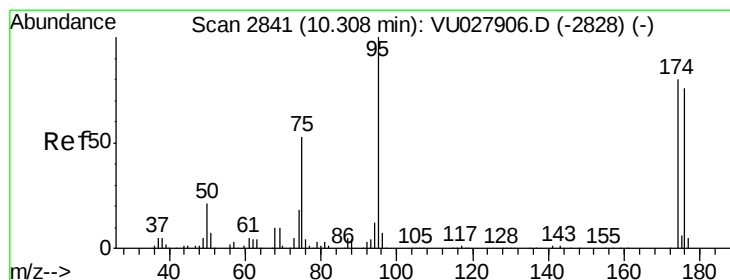
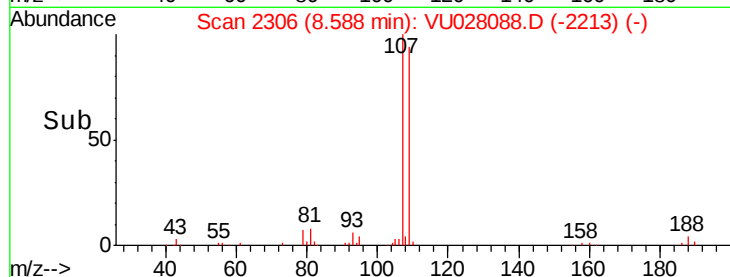
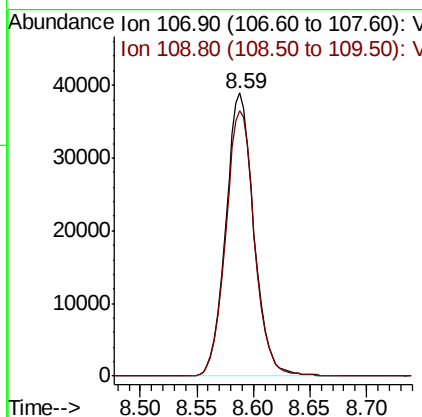
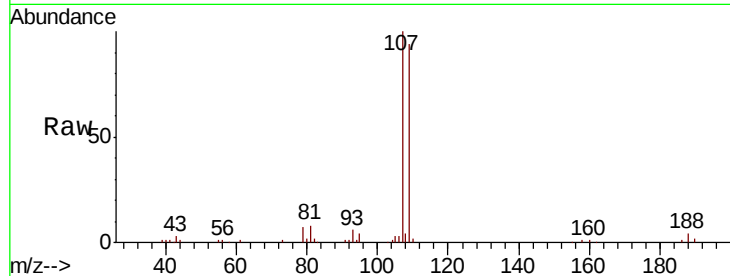
#61
 1,2-Dibromoethane
 Concen: 20.140 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1113WBSD01

Tot Ion: 107 Resp: 67124
 Ion Ratio Lower Upper
 107 100
 109 95.9 73.8 110.8

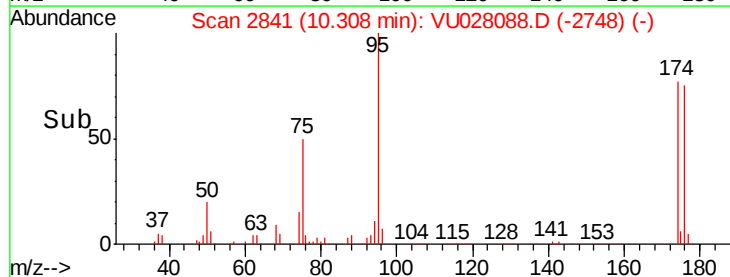
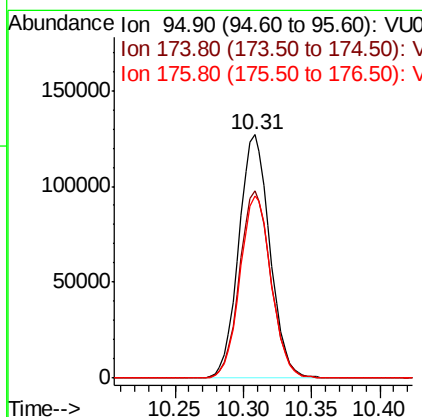
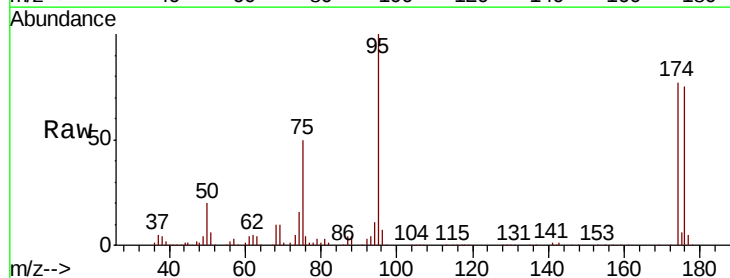
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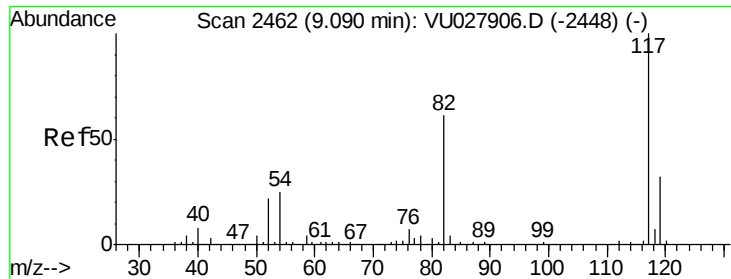
MMDadoda
 11/14/2018 9:34:35 AM



#62
 4-Bromofluorobenzene
 Concen: 54.677 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Tgt Ion: 95 Resp: 201164
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 156.4
 176 75.0 0.0 150.8





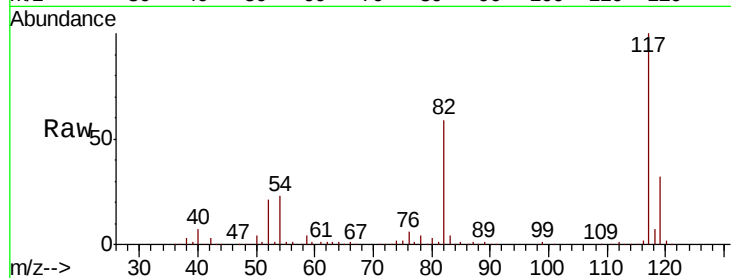
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	48.6	73.0
119	31.7	25.8	38.8

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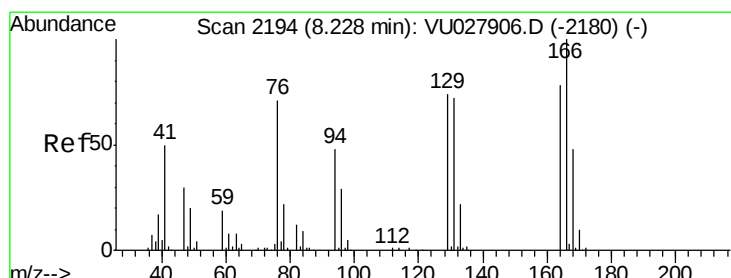
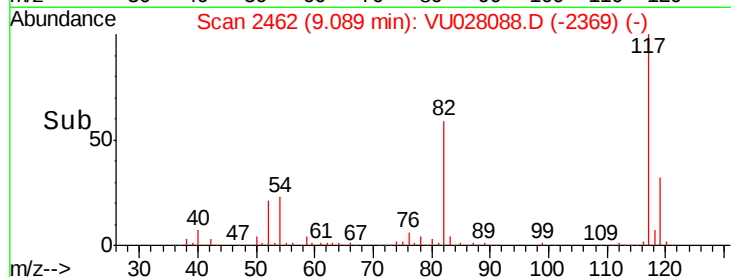
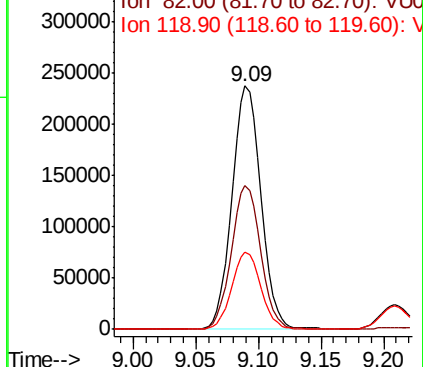


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.489 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.1	153.1
129	101.2	75.9	113.9
131	95.3	73.0	109.6

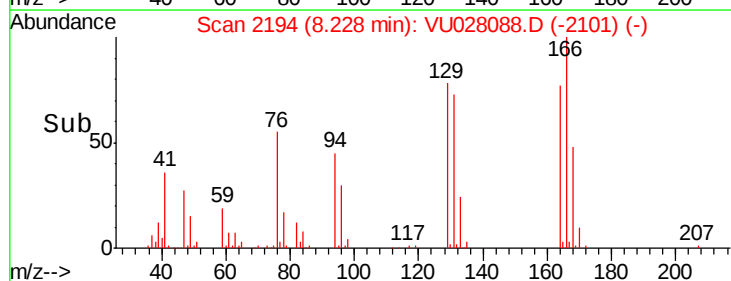
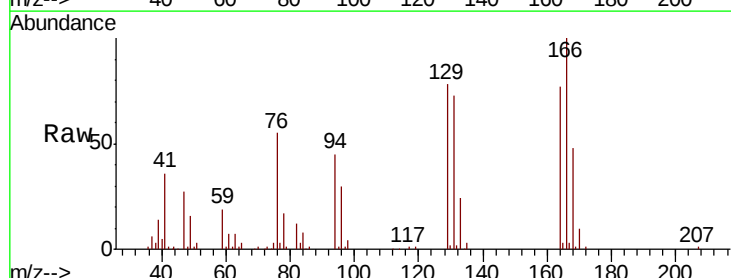
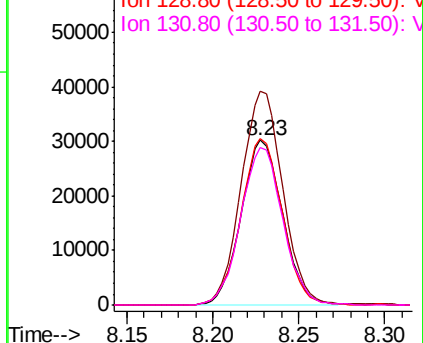
Abundance

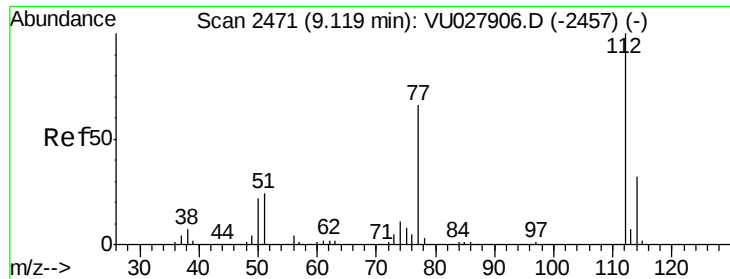
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





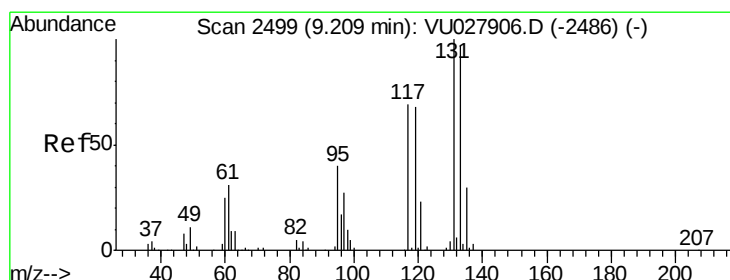
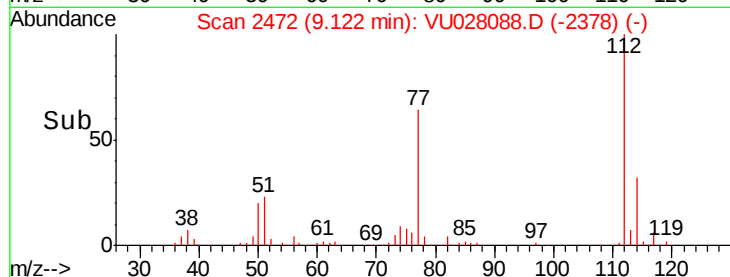
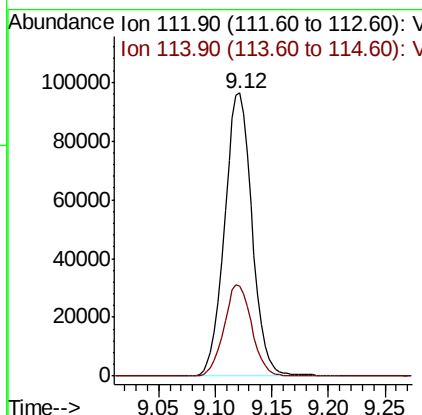
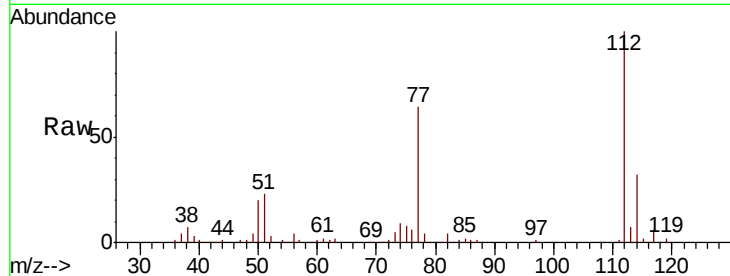
#65
Chlorobenzene
Concen: 20.167 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion:112 Resp: 162685
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8

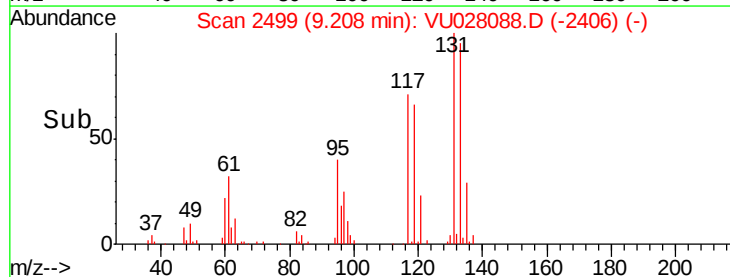
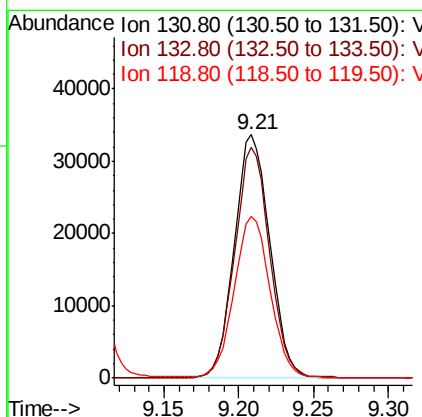
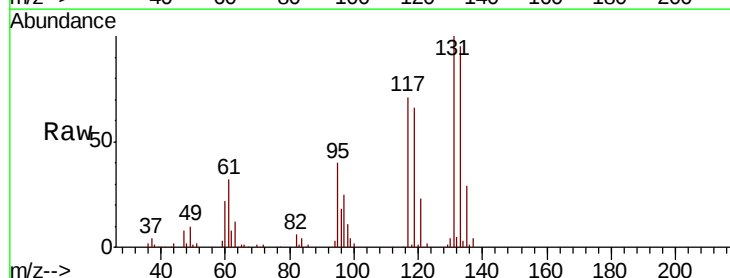
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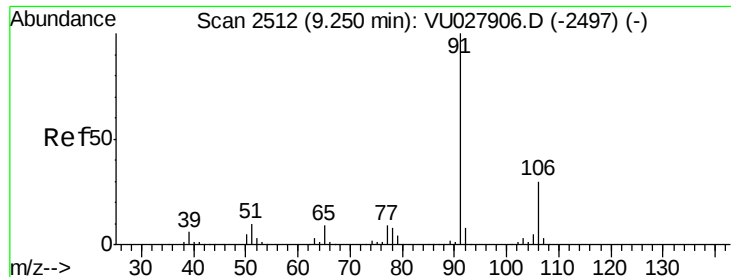
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.173 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion:131 Resp: 55584
Ion Ratio Lower Upper
131 100
133 93.7 48.1 144.4
119 67.6 34.0 101.8





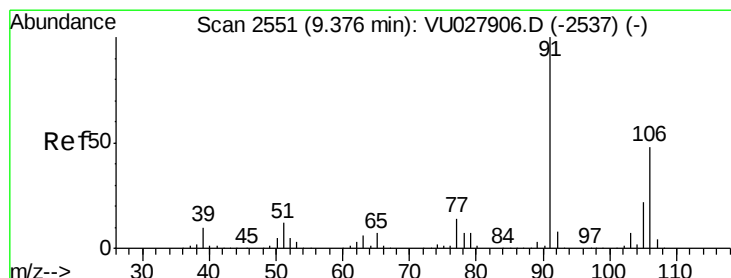
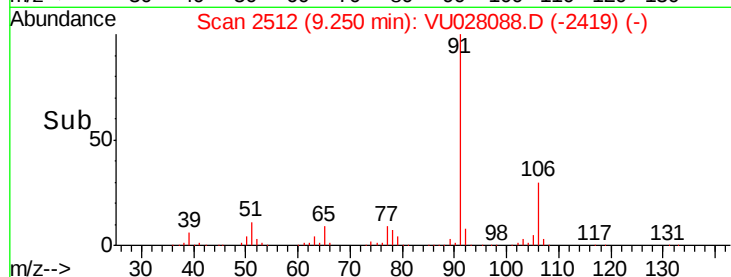
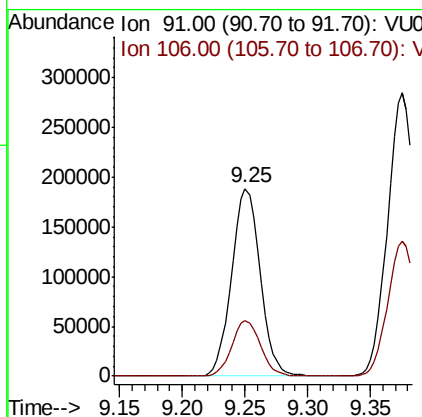
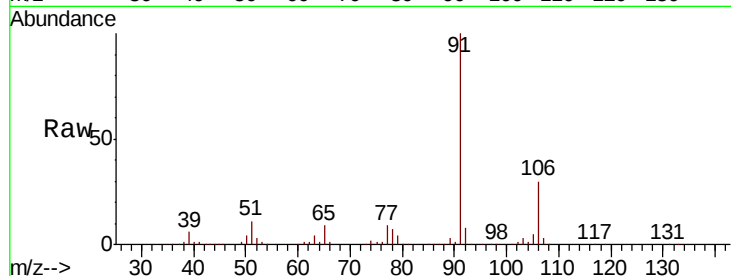
#67
Ethyl Benzene
Concen: 20.172 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion: 91 Resp: 299520
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4

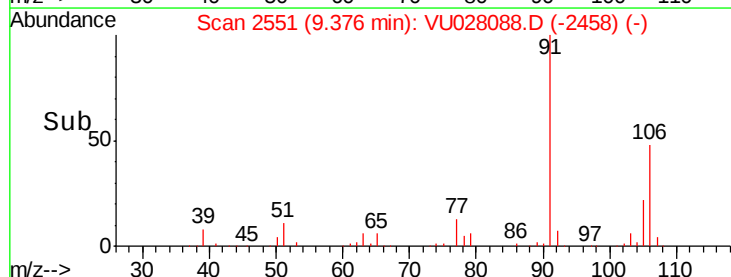
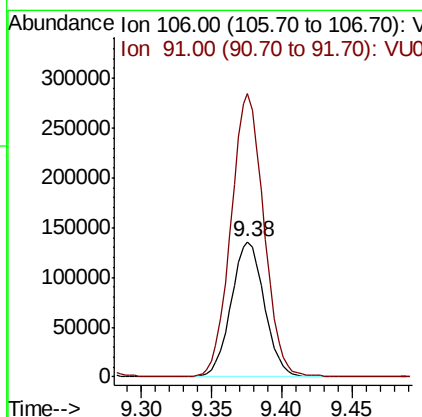
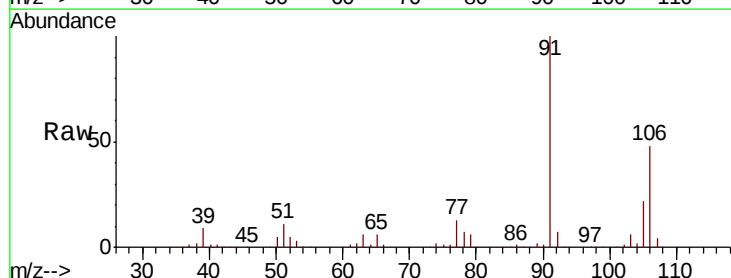
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#68
m/p-Xylenes
Concen: 41.555 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion: 106 Resp: 223885
Ion Ratio Lower Upper
106 100
91 207.8 168.2 252.4





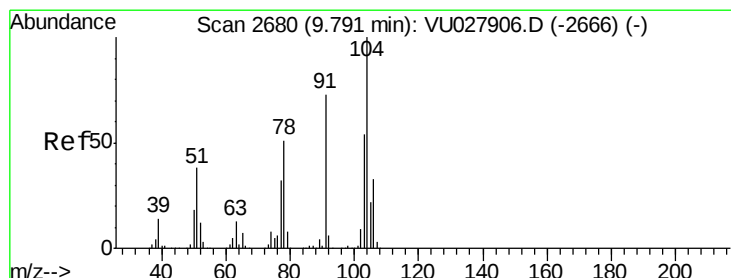
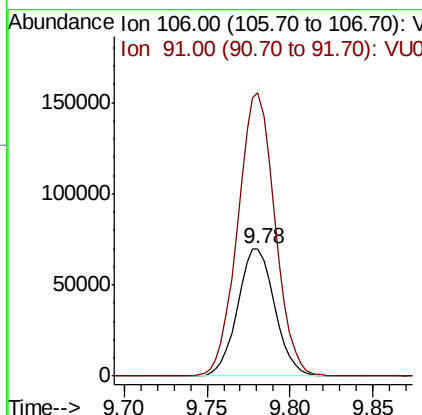
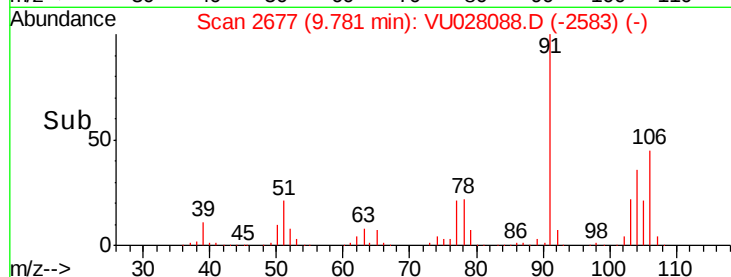
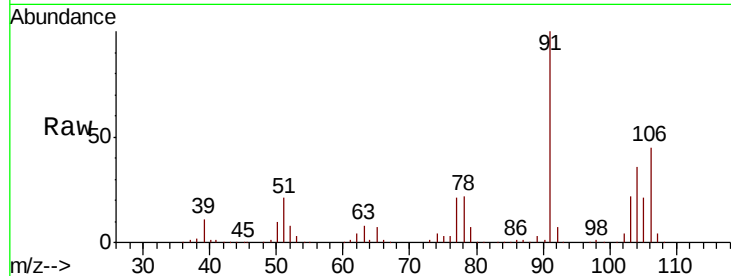
#69
o-Xylene
Concen: 19.978 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion:106 Resp: 108686
Ion Ratio Lower Upper
106 100
91 222.9 111.1 333.4

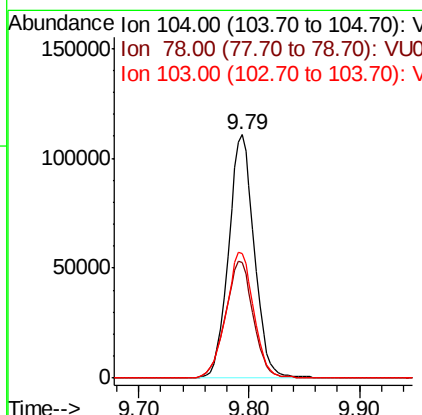
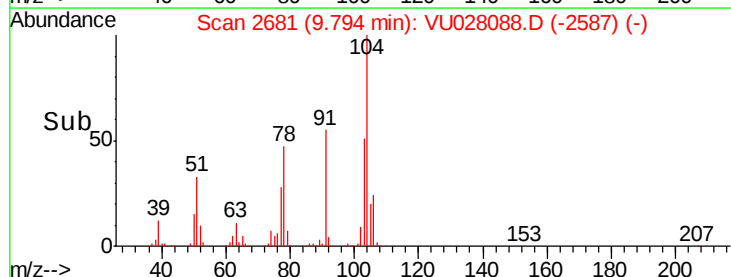
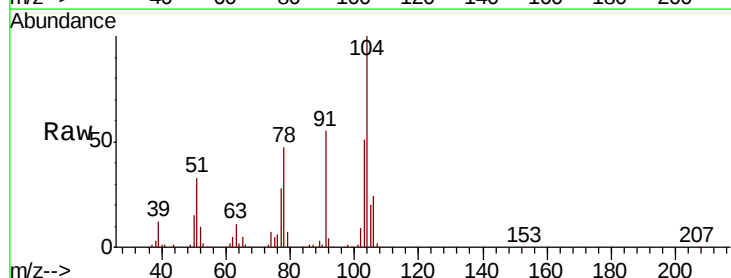
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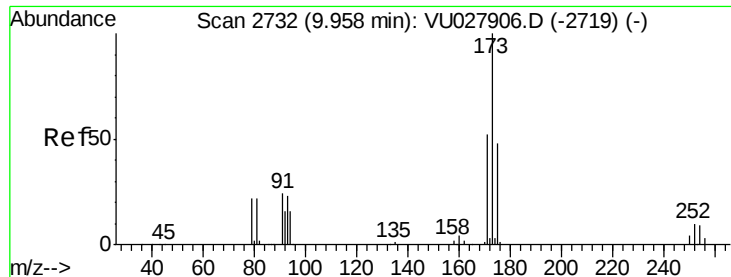
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#70
Styrene
Concen: 20.543 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion:104 Resp: 178577
Ion Ratio Lower Upper
104 100
78 52.0 43.0 64.4
103 55.7 45.1 67.7





#71

Bromoform

Concen: 19.848 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

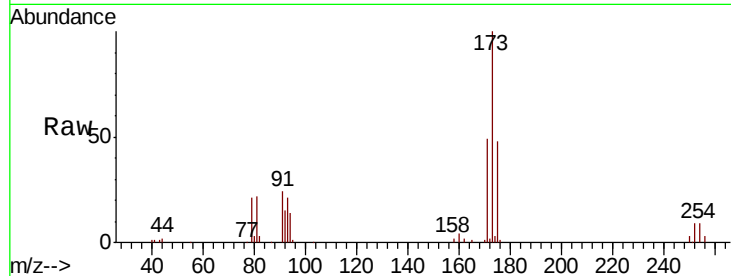
ClientSampleId :

VU1113WBSD01

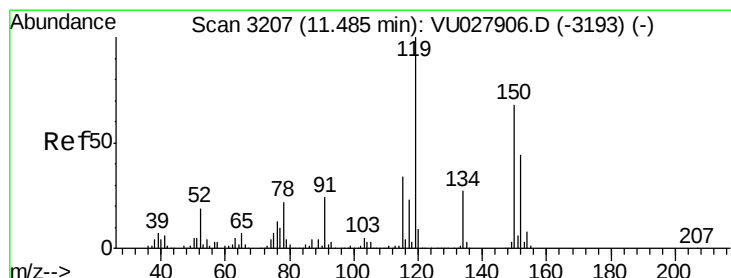
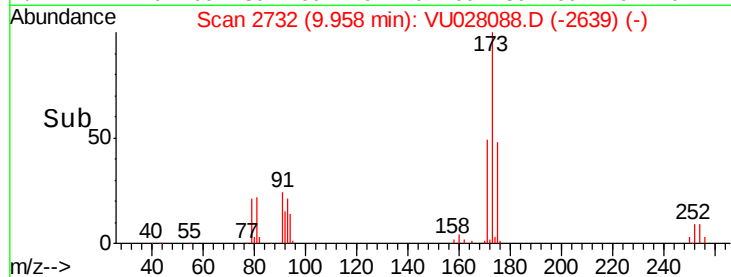
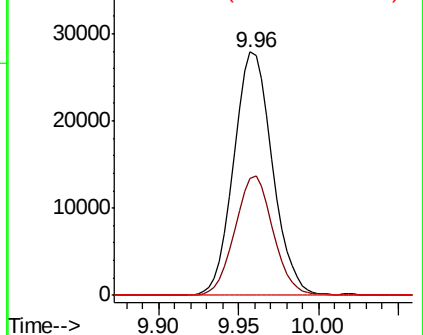
Tot Ion:	173	Resp:	45834
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

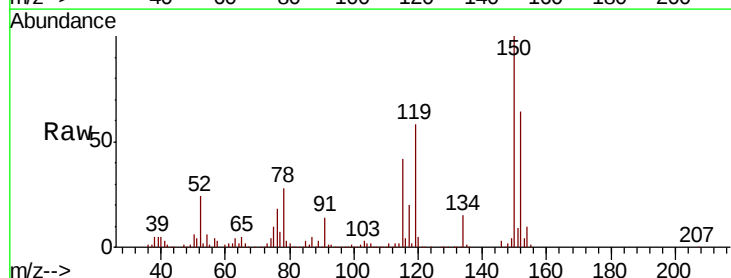
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

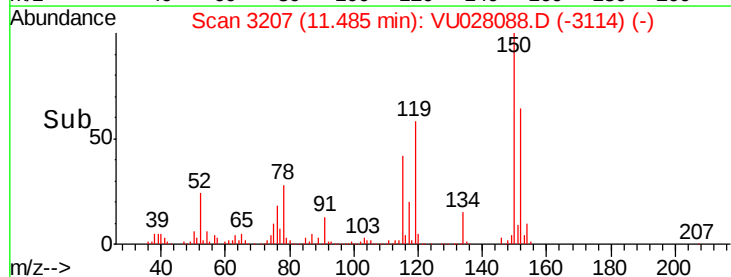
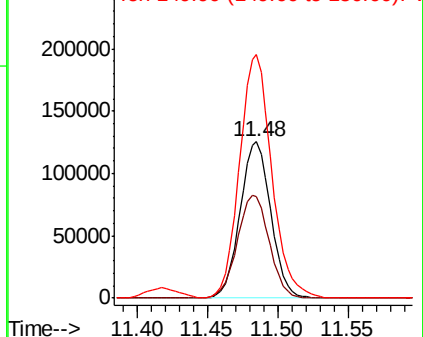
Lab File: VU028088.D

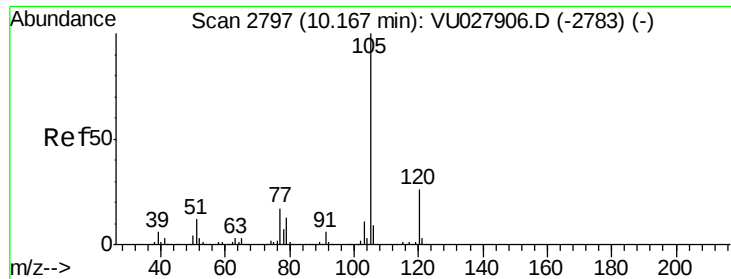
Acq: 13 Nov 2018 13:41

Tgt Ion:	152	Resp:	192060
Ion Ratio	Lower	Upper	
152	100		
115	68.4	43.0	129.0
150	162.0	0.0	349.4



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





#73

Isopropylbenzene

Concen: 19.728 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 105 Resp: 293521

Ion Ratio Lower Upper

105 100

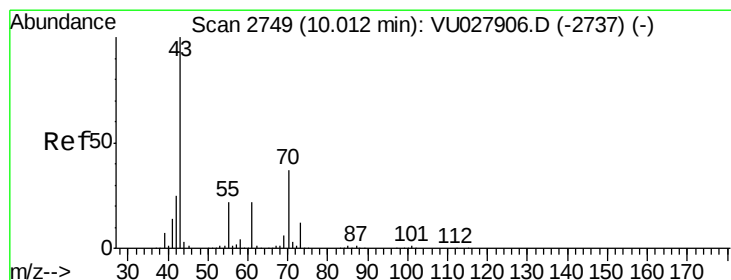
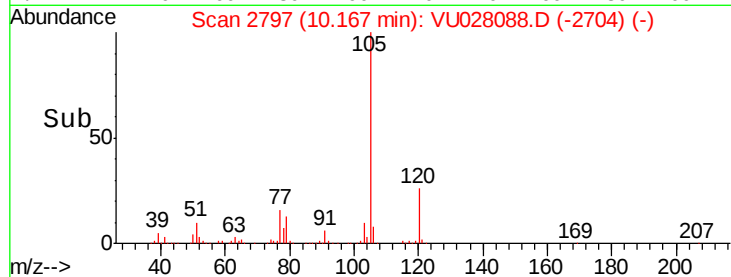
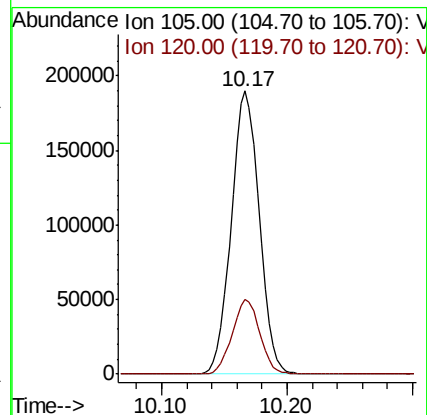
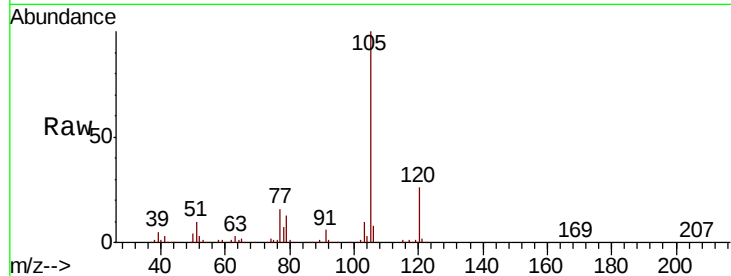
120 25.9 12.7 38.0

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#74

N-ethyl acetate

Concen: 18.618 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion: 43 Resp: 167504

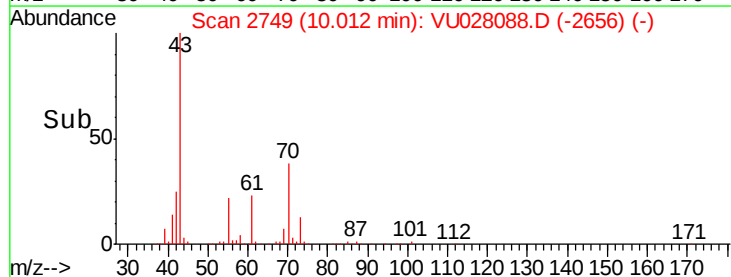
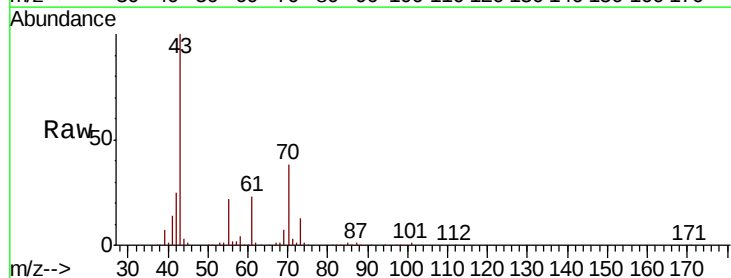
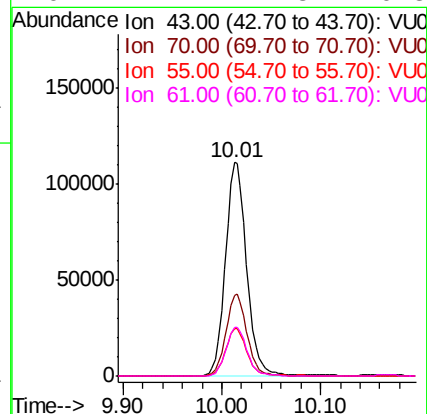
Ion Ratio Lower Upper

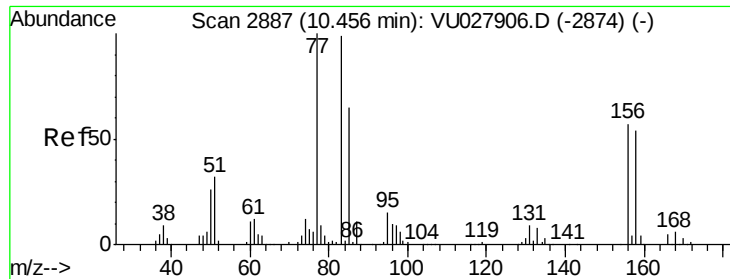
43 100

70 37.9 29.2 43.8

55 22.1 17.8 26.6

61 22.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.838 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 83 Resp: 113060

Ion Ratio Lower Upper

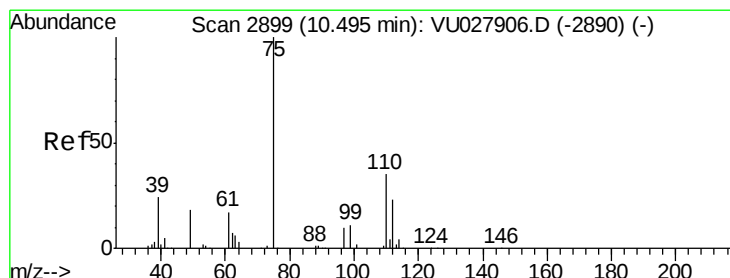
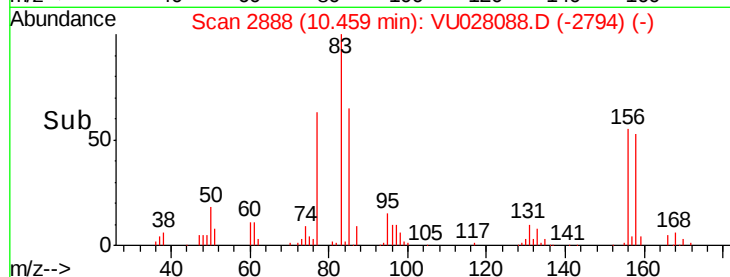
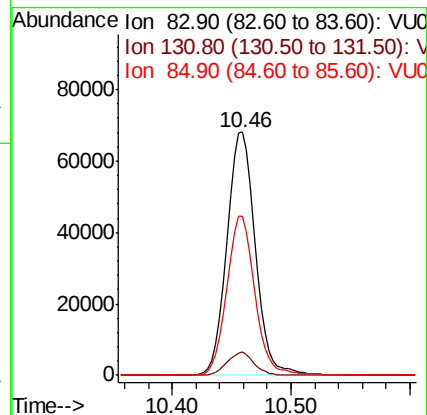
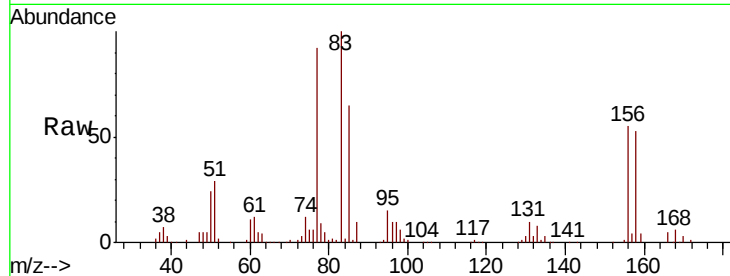
83 100

131 8.9 4.3 13.1

85 64.6 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.142 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028088.D

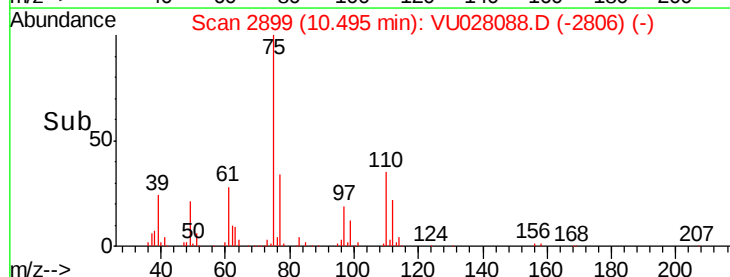
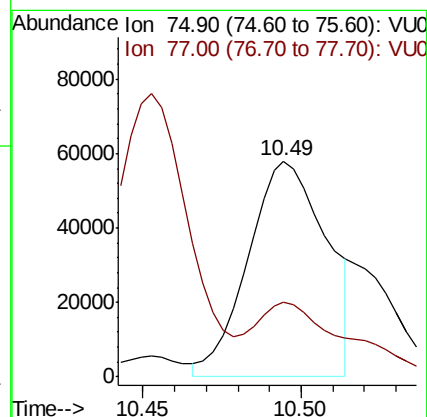
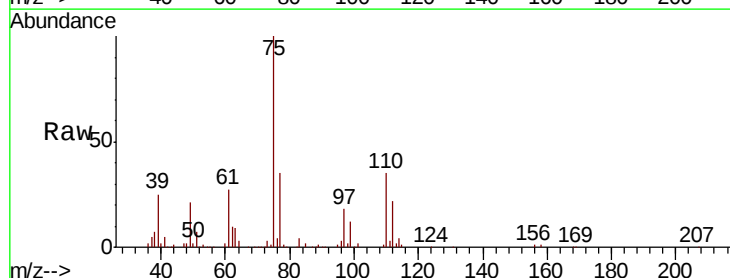
Acq: 13 Nov 2018 13:41

Tgt Ion: 75 Resp: 100559

Ion Ratio Lower Upper

75 100

77 41.7 21.6 64.6





#77

Bromobenzene

Concen: 20.721 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

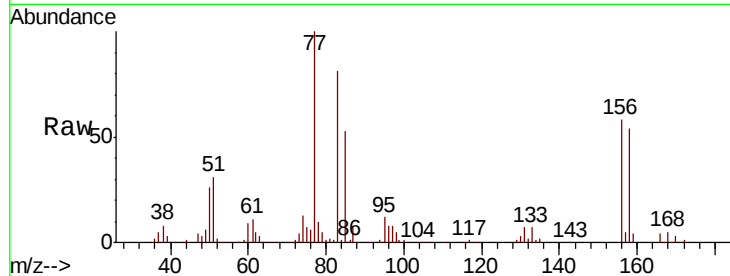
ClientSampleId :

VU1113WBSD01

Tot Ion:	156	Resp:	70695
Ion Ratio	Lower	Upper	
156	100		
77	174.6	91.8	275.6
158	94.8	48.4	145.2

Manual Integrations
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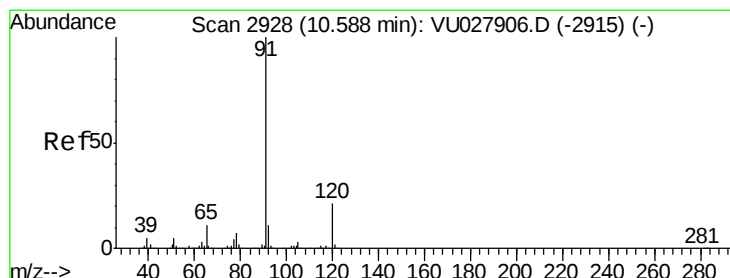
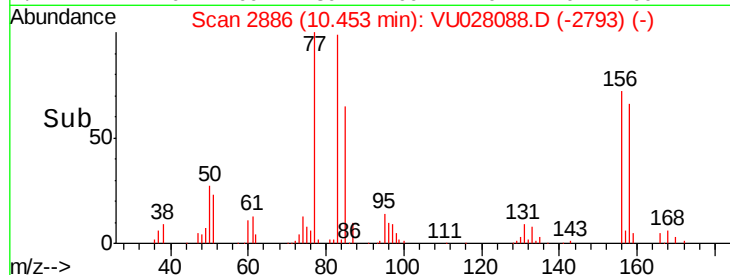
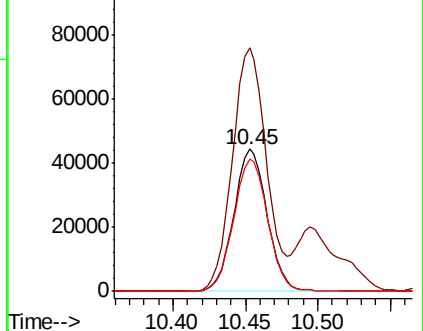
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.891 ug/l

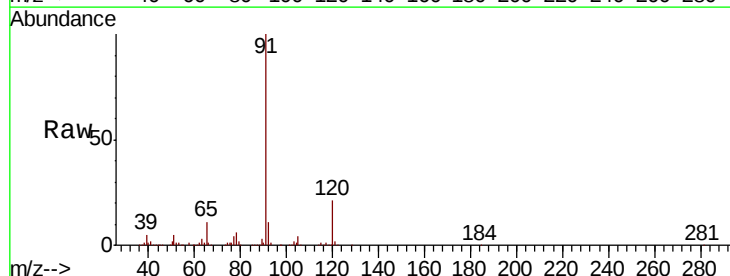
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028088.D

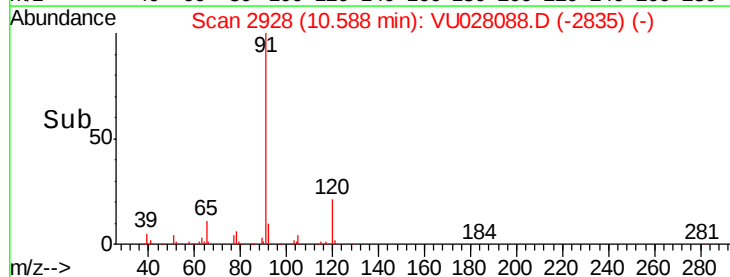
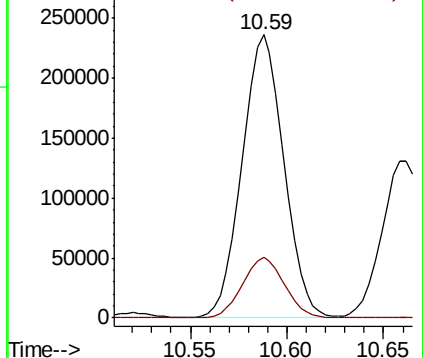
Acq: 13 Nov 2018 13:41

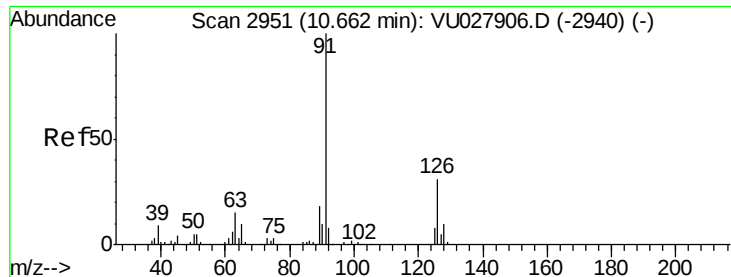
Tgt Ion:	91	Resp:	354258
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.385 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion: 91 Resp: 206939

Ion Ratio Lower Upper

91 100

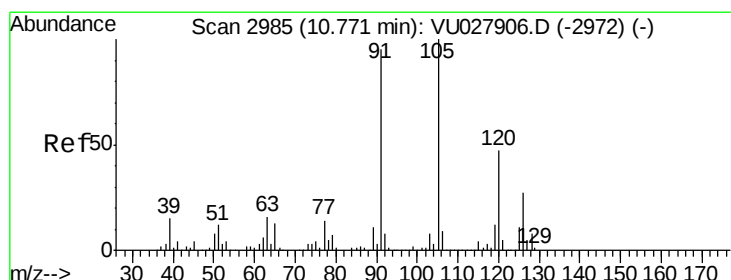
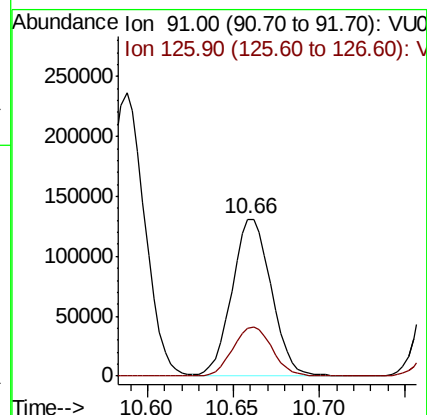
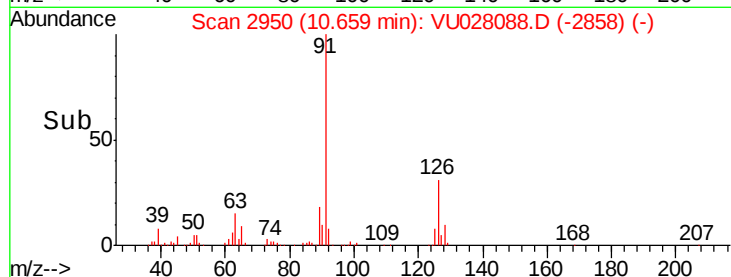
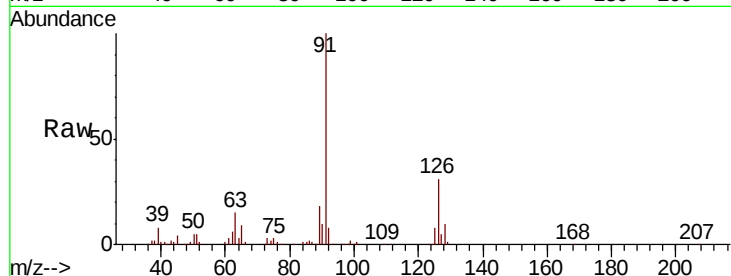
126 31.7 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.404 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028088.D

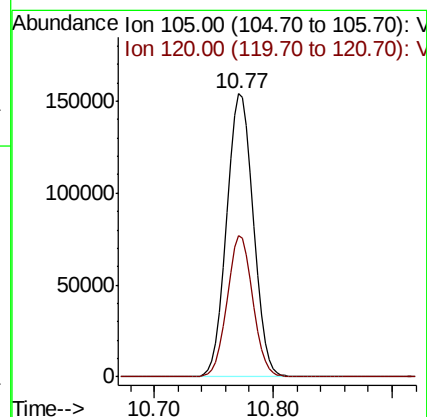
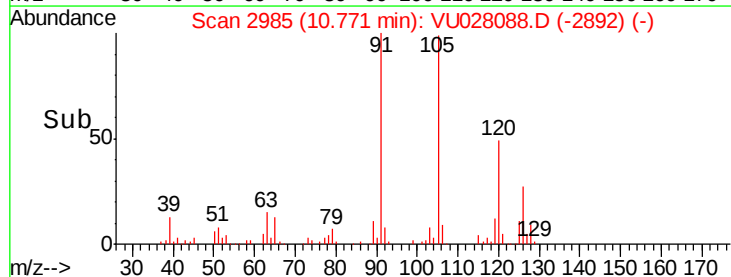
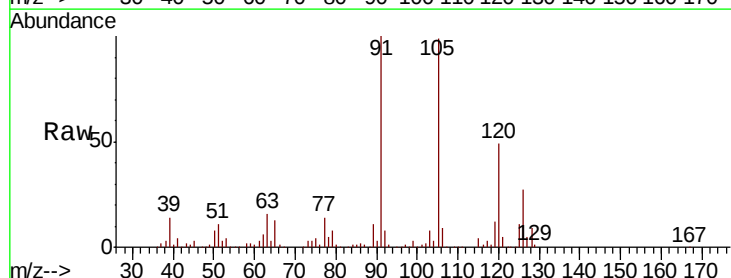
Acq: 13 Nov 2018 13:41

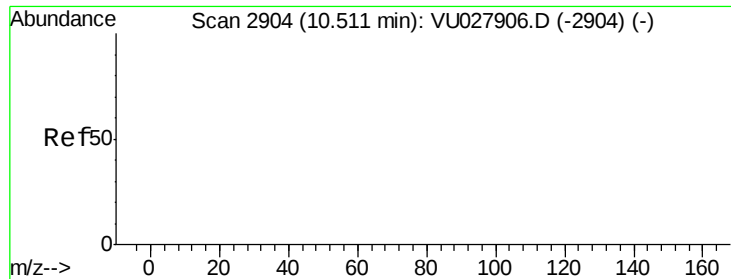
Tgt Ion: 105 Resp: 239163

Ion Ratio Lower Upper

105 100

120 48.0 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 14.832 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

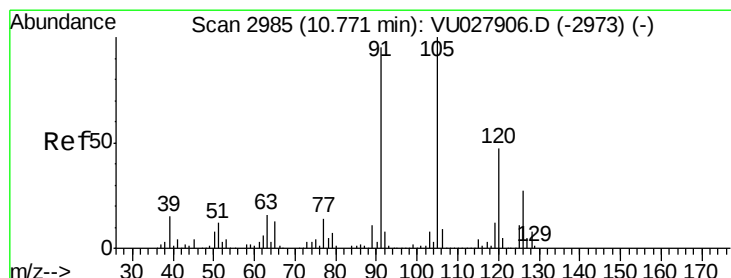
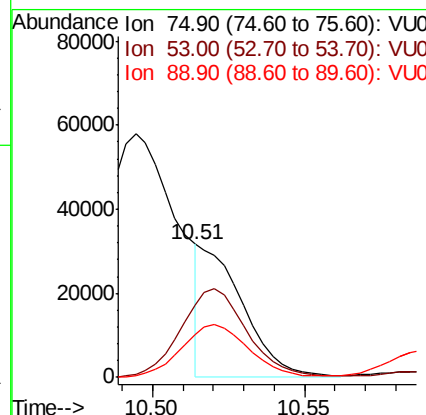
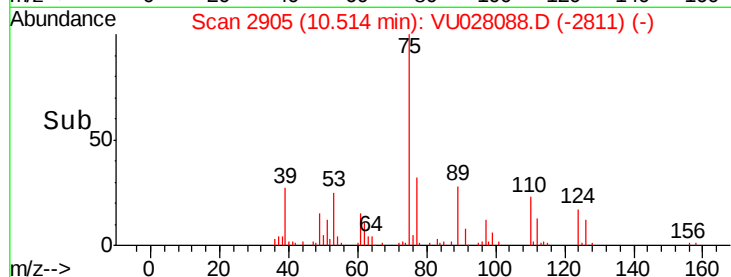
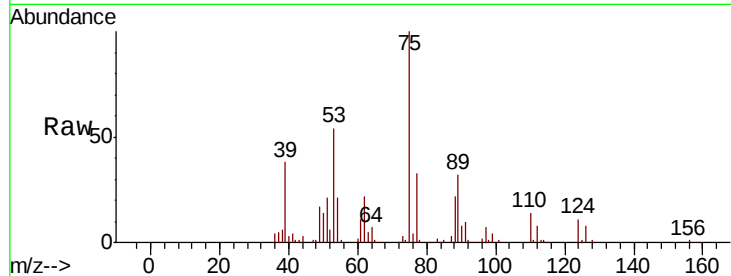
Instrument :
MSVOA_U

ClientSampled :
VU1113WBSD01

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.580 ug/l

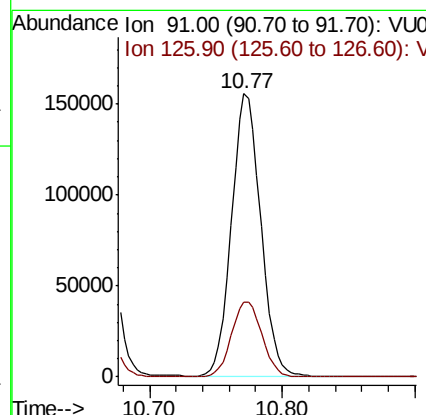
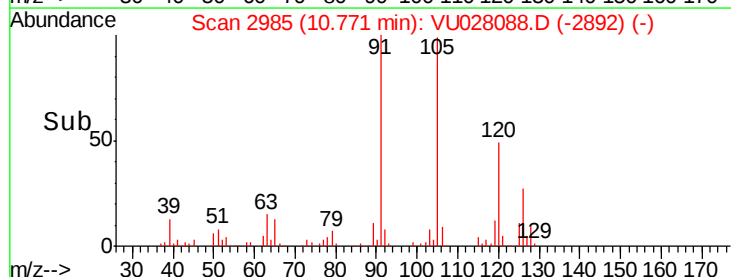
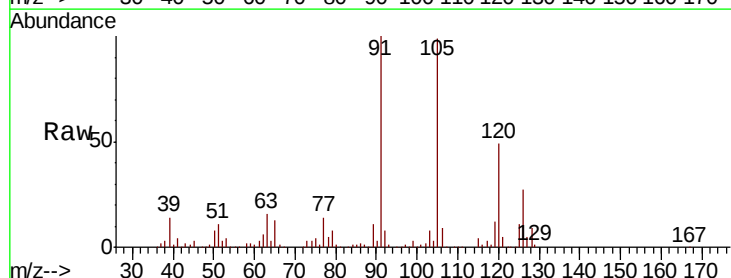
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.2	42.6





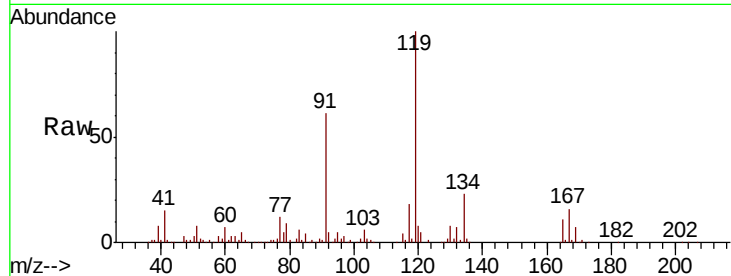
#83
tert-Butylbenzene
Concen: 18.810 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	29.8	89.3
134	22.9	11.1	33.1

Manual Integrations
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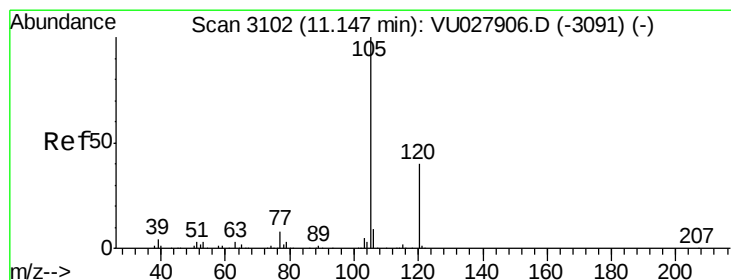
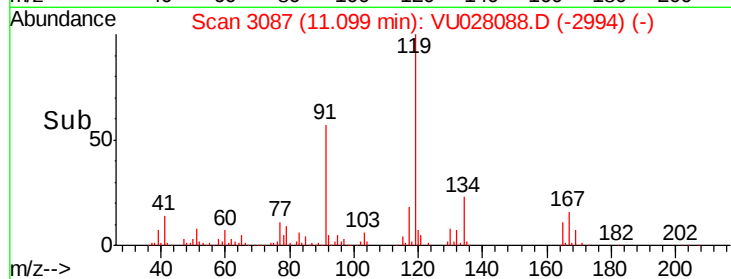
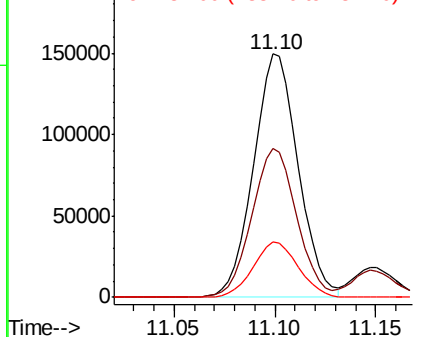


Abundance

Ion 119.00 (118.70 to 119.70): V

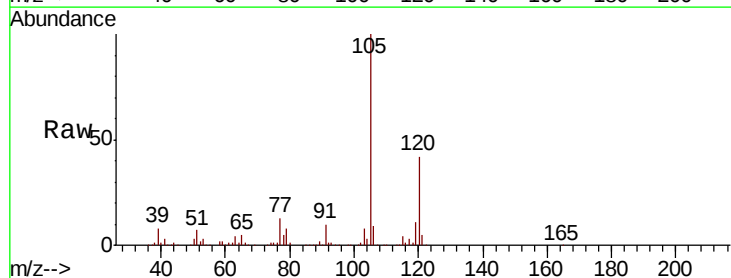
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 20.026 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

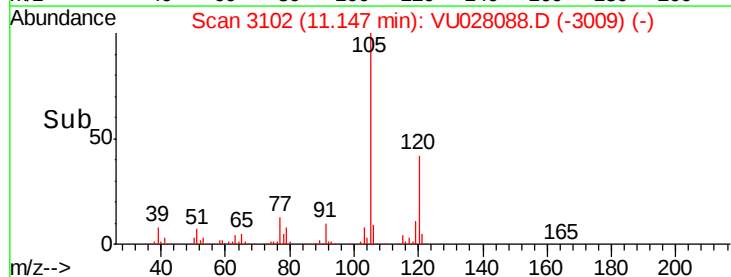
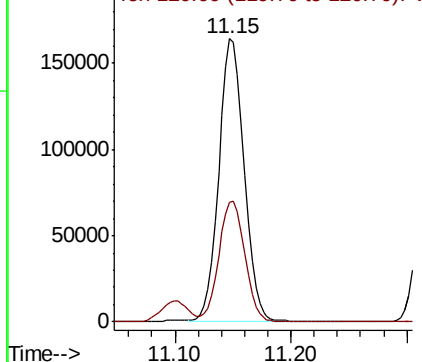
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1

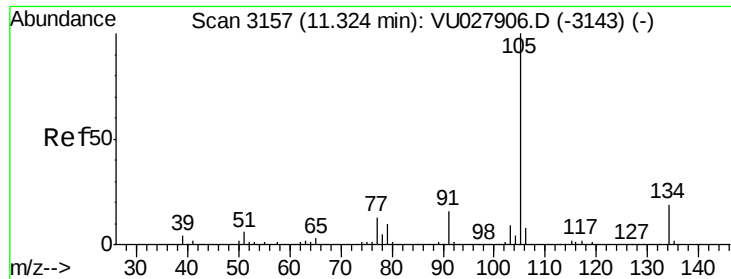


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.221 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

ClientSampleId :

VU1113WBSD01

Tot Ion:105 Resp: 303017

Ion Ratio Lower Upper

105 100

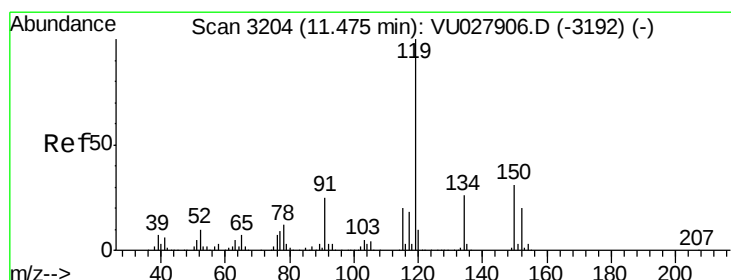
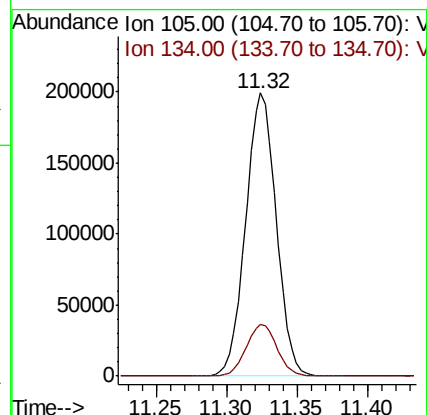
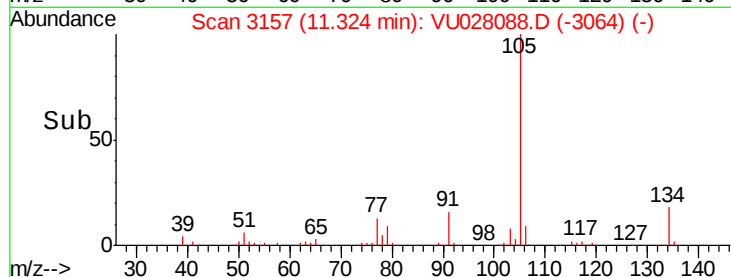
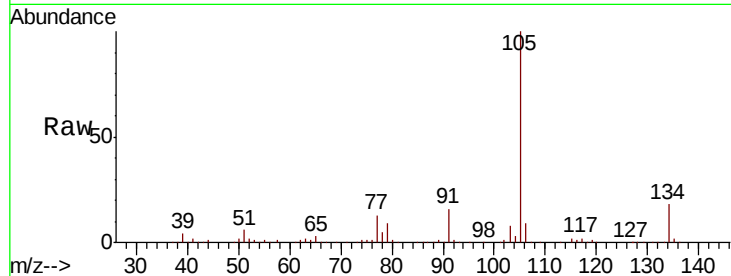
134 18.4 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 20.265 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

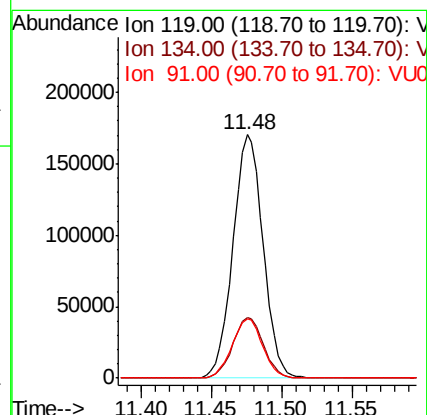
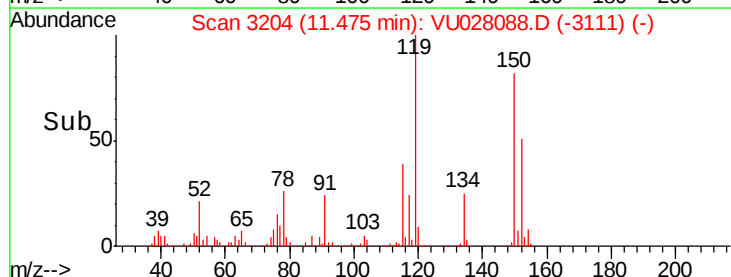
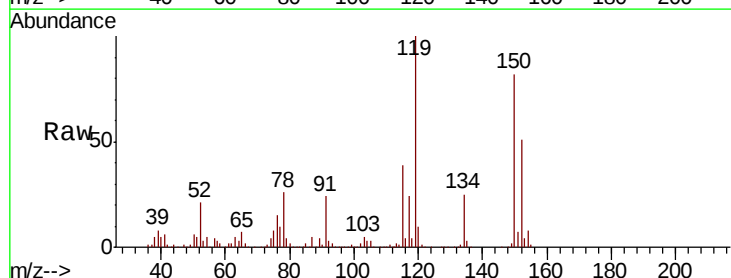
Tgt Ion:119 Resp: 253866

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.8 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 20.212 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Instrument :

MSVOA_U

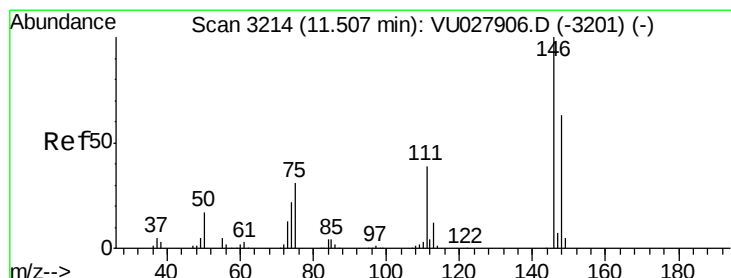
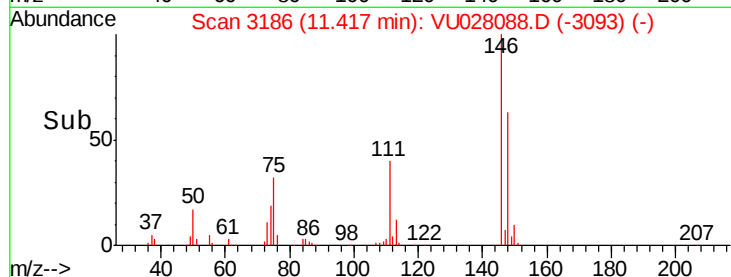
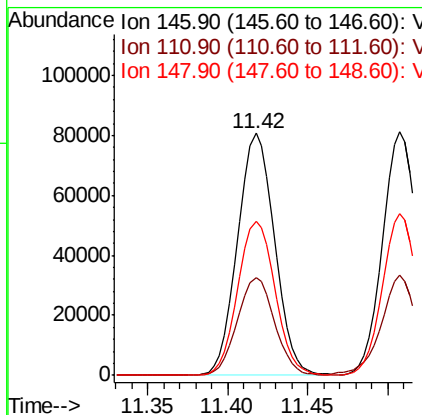
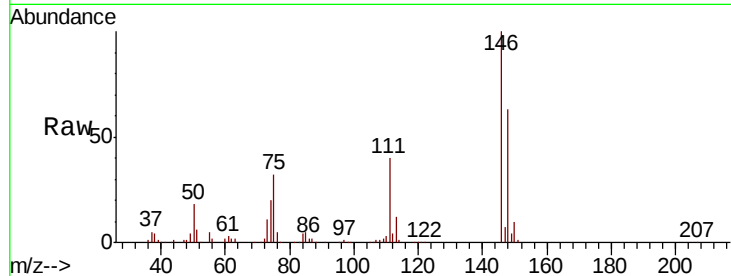
ClientSampleId :

VU1113WBSD01

Tot Ion:	146	Resp:	127385
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	61.0
148	64.0	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.590 ug/l

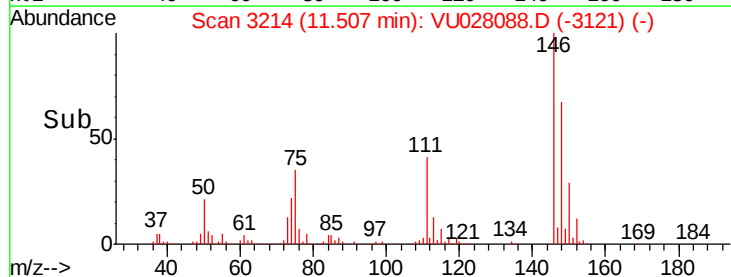
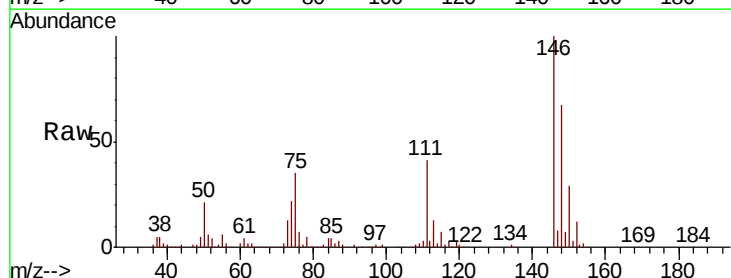
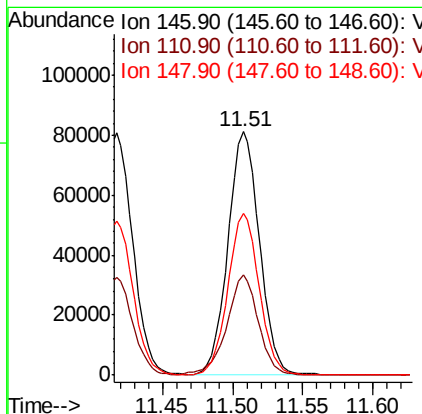
RT: 11.51 min Scan# 3214

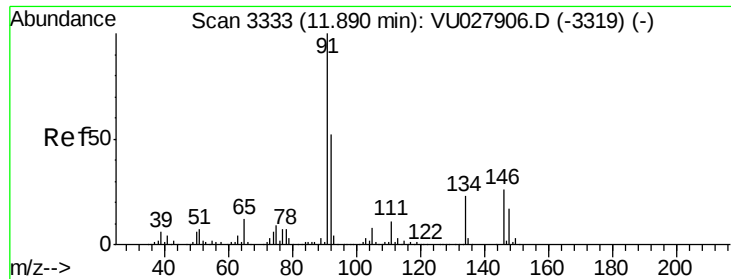
Delta R.T. -0.00 min

Lab File: VU028088.D

Acq: 13 Nov 2018 13:41

Tgt Ion:	146	Resp:	126548
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	60.9
148	66.4	32.0	96.2





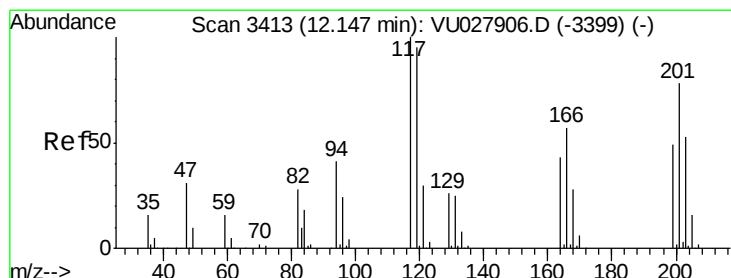
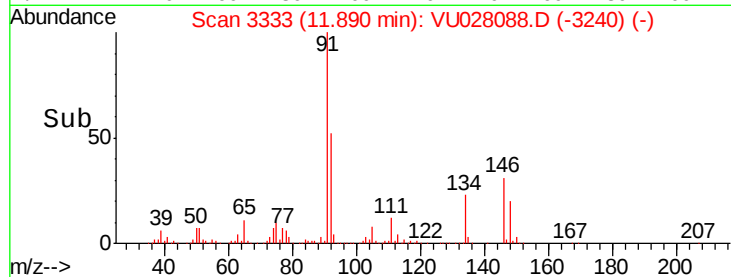
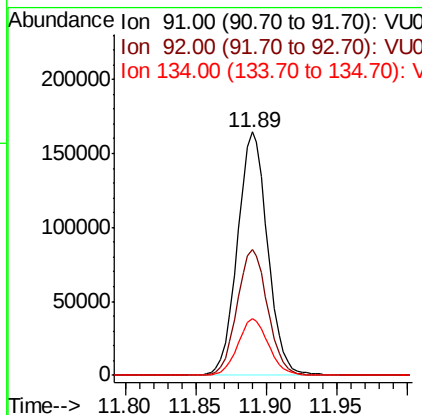
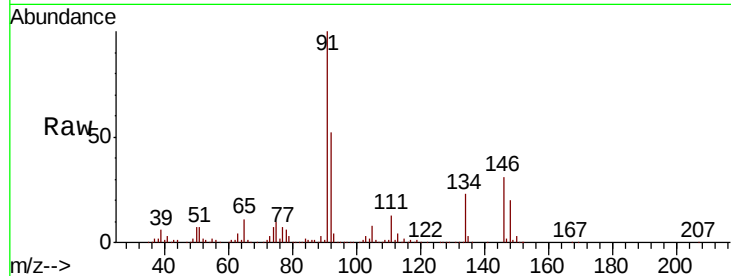
#89
n-Butylbenzene
Concen: 20.634 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	23.6	11.5	34.5

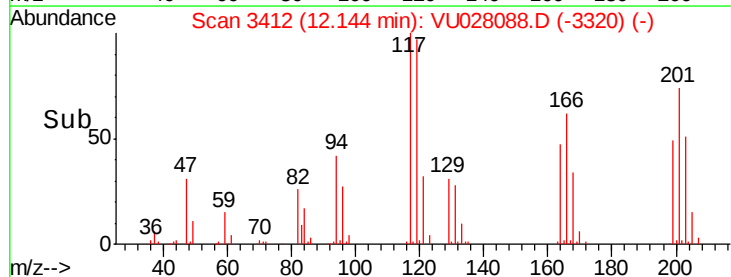
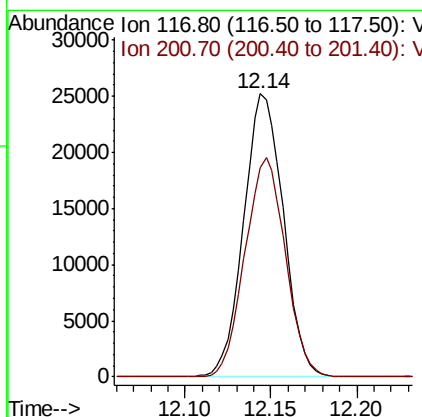
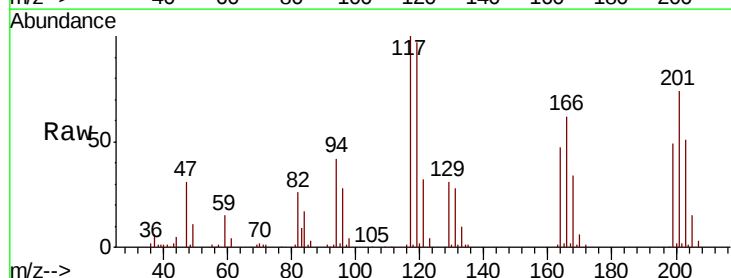
Manual Integrations
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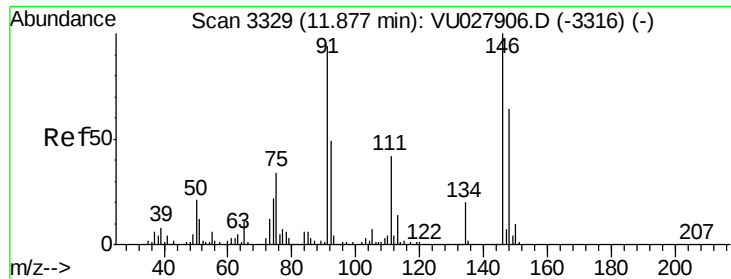
MMDadoda
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#90
Hexachloroethane
Concen: 18.130 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	38.5	115.5





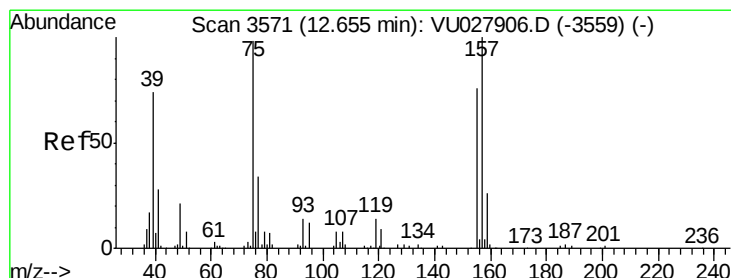
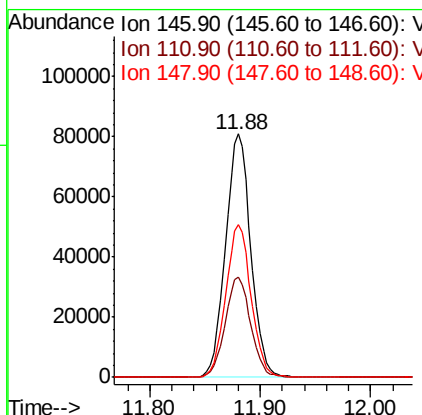
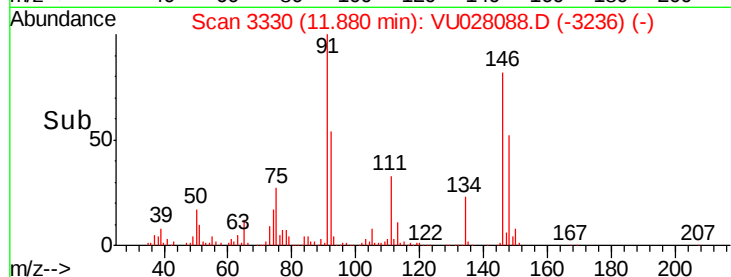
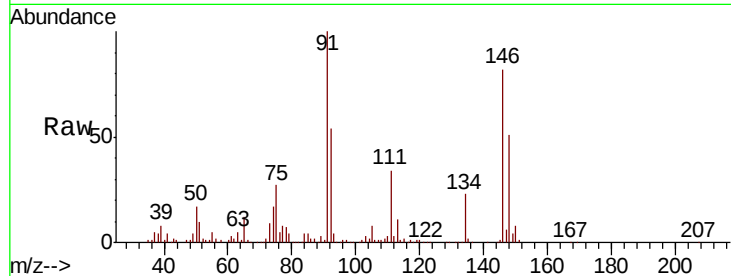
#91
 1,2-Dichlorobenzene
 Concen: 20.277 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	64.0
148	62.9	31.8	95.3

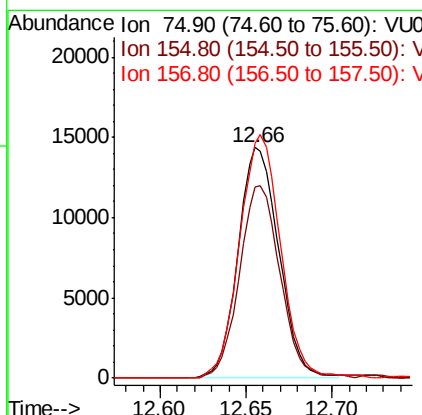
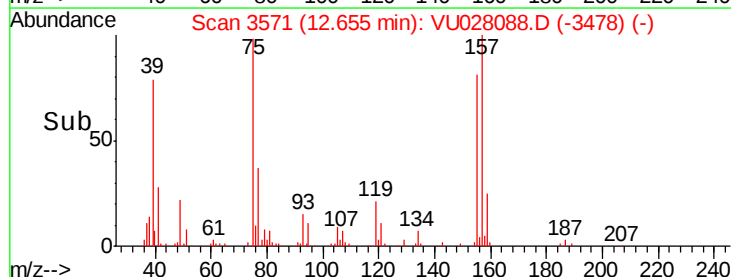
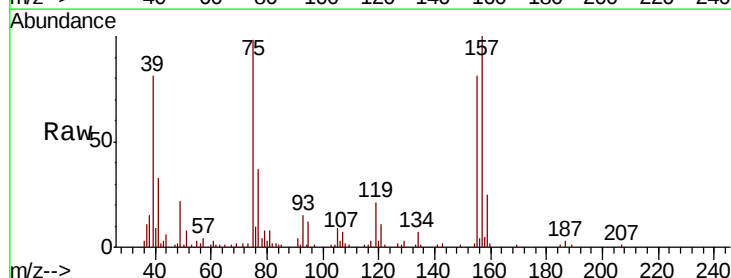
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.662 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028088.D
 Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	39.8	119.3
157	106.2	50.6	151.9





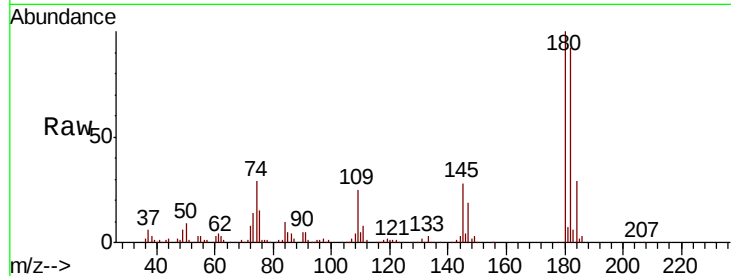
#93
1,2,4-Trichlorobenzene
Concen: 20.781 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90568		
182	93.8	48.4	145.2	
145	29.3	14.9	44.5	

Manual Integrations
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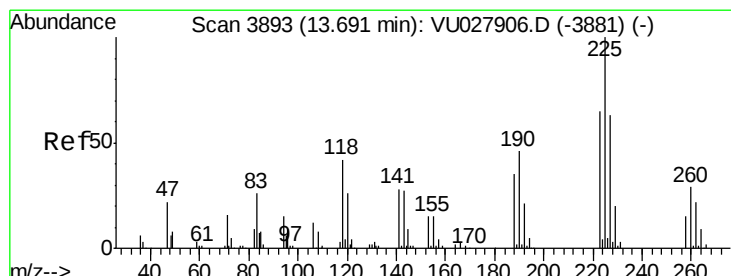
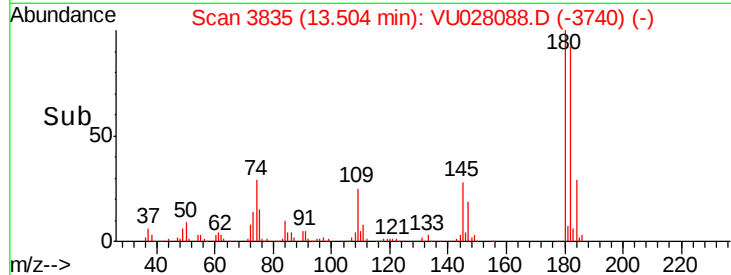
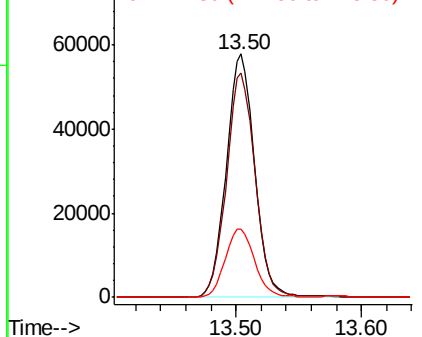


Abundance

Ion 179.80 (179.50 to 180.50): V

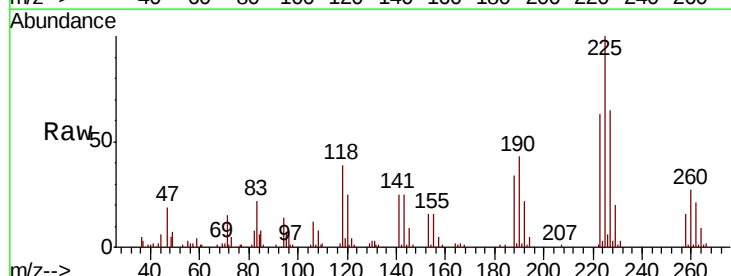
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.349 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40989		
223	62.0	32.2	96.6	
227	64.0	32.5	97.4	

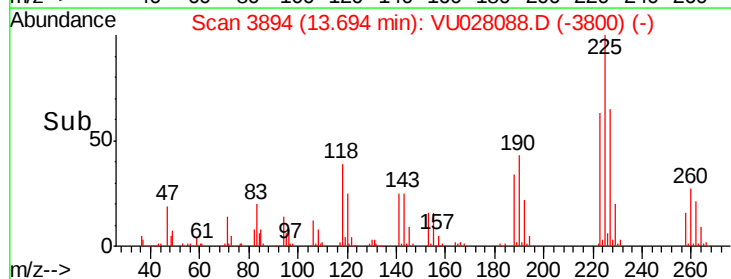
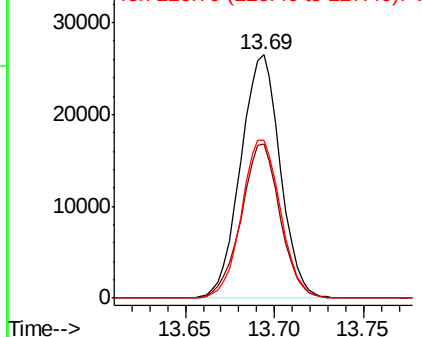


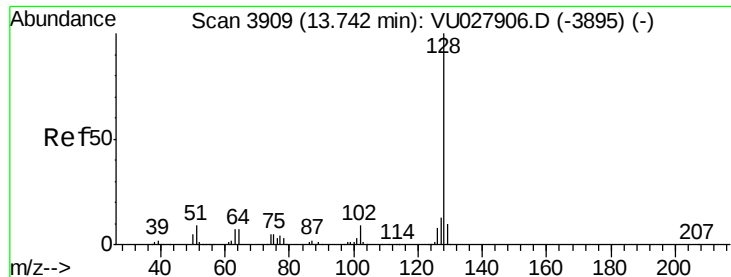
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





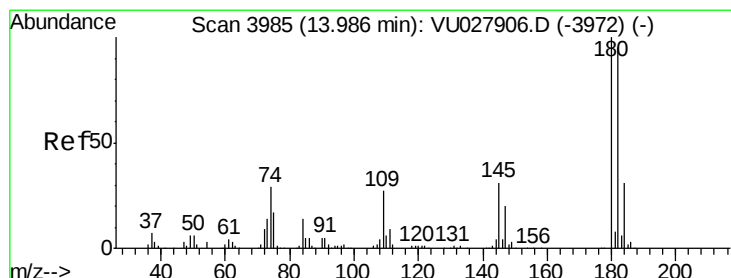
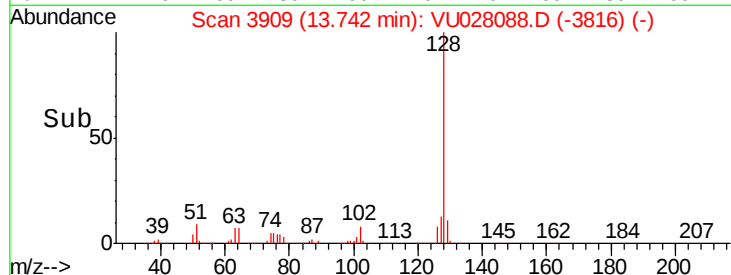
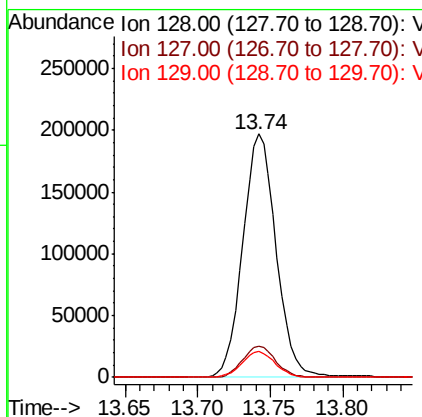
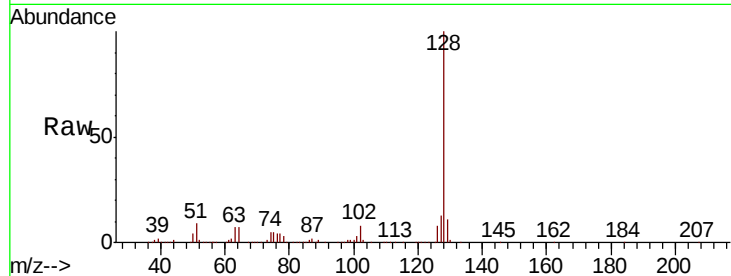
#95
Naphthalene
Concen: 19.822 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Instrument :
MSVOA_U
ClientSampleId :
VU1113WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.478 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028088.D
Acq: 13 Nov 2018 13:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.3
145	32.0	16.0	47.9

