

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121518\
 Data File : VU028682.D
 Acq On : 14 Dec 2018 14:50
 Operator : MD/SY
 Sample : VU1215WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 9:48:40 AM

Quant Time: Dec 15 00:54:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	60372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	101073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	94469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	44026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	29319	31.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.64%	
35) Dibromofluoromethane	4.88	113	20804	32.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.42%	
50) Toluene-d8	7.56	98	78951	31.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.76%	
62) 4-Bromofluorobenzene	10.30	95	27465	29.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	8523	10.533	ug/l	96
3) Chloromethane	1.33	50	15295	10.281	ug/l	100
4) Vinyl Chloride	1.40	62	11019	10.263	ug/l	100
5) Bromomethane	1.61	94	4733	10.944	ug/l	98
6) Chloroethane	1.69	64	6778	11.152	ug/l	99
7) Trichlorofluoromethane	1.88	101	12468	11.038	ug/l	100
8) Diethyl Ether	2.10	74	5638	10.668	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	7391	10.940	ug/l	97
10) Methyl Iodide	2.41	142	7518	14.183	ug/l	97
11) Tert butyl alcohol	2.82	59	12348	60.156	ug/l	95
12) 1,1-Dichloroethene	2.28	96	7155	10.645	ug/l	95
13) Acrolein	2.19	56	15606	95.370	ug/l	98
14) Allyl chloride	2.59	41	19359	12.174	ug/l	90
15) Acrylonitrile	2.94	53	32858	57.658	ug/l	97
16) Acetone	2.32	43	36233	60.268	ug/l	98
17) Carbon Disulfide	2.48	76	24642	10.176	ug/l	100
18) Methyl Acetate	2.61	43	20551	13.187	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	28372	11.134	ug/l	98
20) Methylene Chloride	2.70	84	9499	10.718	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	7989	10.556	ug/l	92
22) Diisopropyl ether	3.57	45	34634	11.200	ug/l	91
23) Vinyl Acetate	3.52	43	138959	54.480	ug/l	99
24) 1,1-Dichloroethane	3.44	63	17751	10.966	ug/l	98
25) 2-Butanone	4.26	43	47349	57.630	ug/l	97
26) 2,2-Dichloropropane	4.22	77	14443	11.261	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	9229	10.774	ug/l	97
28) Bromochloromethane	4.55	49	7611	10.343	ug/l #	98
29) Tetrahydrofuran	4.64	42	29781	56.439	ug/l	98
30) Chloroform	4.67	83	16280	11.540	ug/l	90
31) Cyclohexane	4.99	56	17629	10.208	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	13340	11.385	ug/l	97
36) 1,1-Dichloropropene	5.13	75	11749	10.623	ug/l	98
37) Ethyl Acetate	4.38	43	16138	11.287	ug/l	98
38) Carbon Tetrachloride	5.13	117	10431	11.701	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	13985	10.364	ug/l	98
40) Benzene	5.39	78	38474	11.811	ug/l	94
41) Methacrylonitrile	4.54	41	9067	11.580	ug/l	98
42) 1,2-Dichloroethane	5.40	62	14124	12.387	ug/l	97
43) Isopropyl Acetate	5.55	43	26607	11.765	ug/l	97
44) Trichloroethene	6.19	130	8305	11.466	ug/l	99
45) 1,2-Dichloropropane	6.43	63	10838	11.831	ug/l	92
46) Dibromomethane	6.56	93	6486	11.934	ug/l	99
47) Bromodichloromethane	6.76	83	12661	11.971	ug/l	95
48) Methyl methacrylate	6.62	41	13021	11.578	ug/l	96
49) 1,4-Dioxane	6.61	88	4133	232.746	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	83661	58.655	ug/l	98
52) Toluene	7.64	92	21197	11.057	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	14322	11.370	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	15169	11.100	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	9108	12.019	ug/l	98
56) Ethyl methacrylate	8.02	69	13870	10.688	ug/l	97
57) 1,3-Dichloropropane	8.24	76	16308	11.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	33644	50.615	ug/l	98
59) 2-Hexanone	8.36	43	65289	57.751	ug/l	98
60) Dibromochloromethane	8.48	129	8549	11.522	ug/l	99
61) 1,2-Dibromoethane	8.58	107	9551	12.018	ug/l	97
64) Tetrachloroethene	8.22	164	6633	10.526	ug/l	93
65) Chlorobenzene	9.12	112	22110	10.983	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	7907	12.300	ug/l	96
67) Ethyl Benzene	9.25	91	39574	10.694	ug/l	97
68) m/p-Xylenes	9.37	106	28280	21.002	ug/l	94
69) o-Xylene	9.78	106	13936	10.650	ug/l	98
70) Styrene	9.79	104	22296	10.296	ug/l	98
71) Bromoform	9.96	173	6483	11.855	ug/l #	97
73) Isopropylbenzene	10.17	105	36392	10.772	ug/l	99
74) N-amyl acetate	10.01	43	21896	11.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	16348	12.597	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	13247m	11.783	ug/l	
77) Bromobenzene	10.45	156	9340	11.821	ug/l	98
78) n-propylbenzene	10.58	91	45123	10.749	ug/l	99
79) 2-Chlorotoluene	10.66	91	27912	11.543	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	30880	11.043	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	5873m	13.234	ug/l	
82) 4-Chlorotoluene	10.77	91	31541	11.007	ug/l	98
83) tert-Butylbenzene	11.10	119	30409	11.282	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	31652	10.983	ug/l	99
85) sec-Butylbenzene	11.32	105	38002	10.975	ug/l	99
86) p-Isopropyltoluene	11.48	119	31662	10.764	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	16397	10.991	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	16347	10.591	ug/l	95
89) n-Butylbenzene	11.89	91	29454	9.894	ug/l	99
90) Hexachloroethane	12.14	117	5604	12.605	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	16748	11.223	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	3427	12.198	ug/l	97

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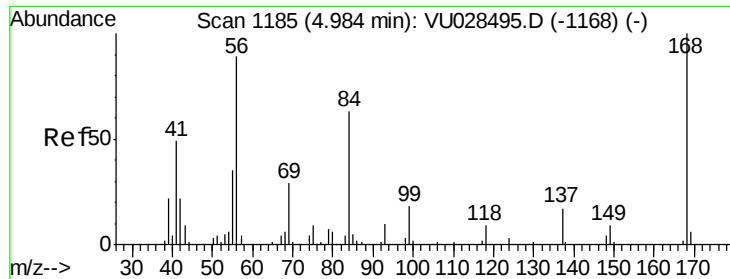
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	9741	10.182	ug/l	99
94) Hexachlorobutadiene	13.69	225	5268	10.777	ug/l	96
95) Naphthalene	13.74	128	33300	9.299	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	10071	9.985	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion:168 Resp: 60372

Ion Ratio Lower Upper

168 100

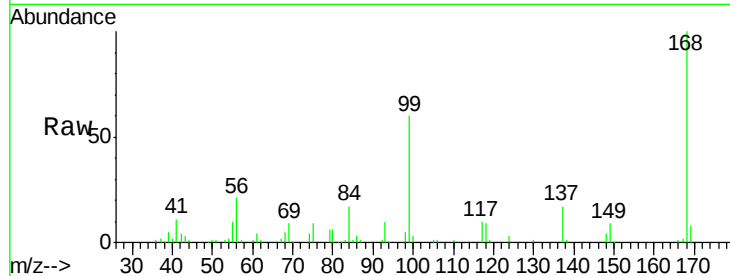
99 59.4 46.6 69.8

Manual Integrations

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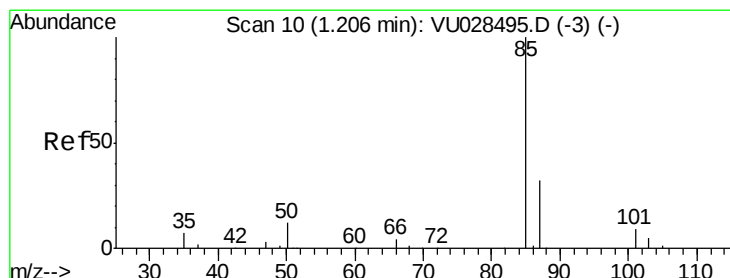
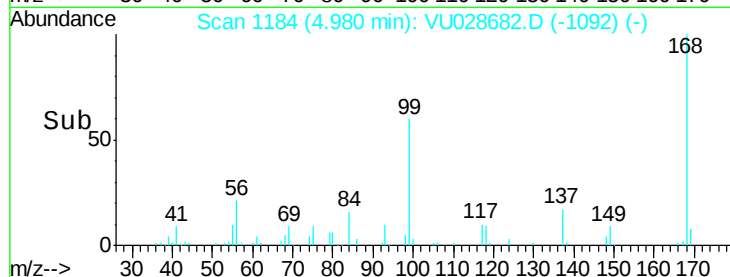
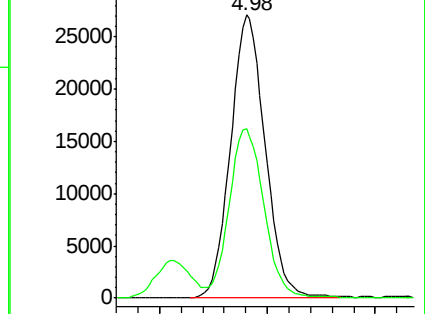
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 10.533 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028682.D

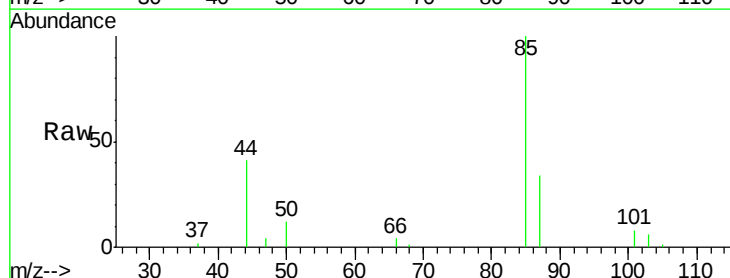
Acq: 14 Dec 2018 14:50

Tgt Ion: 85 Resp: 8523

Ion Ratio Lower Upper

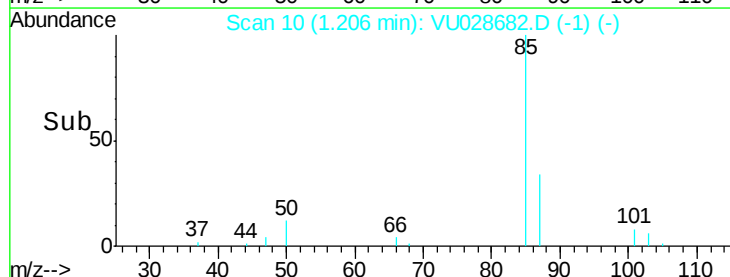
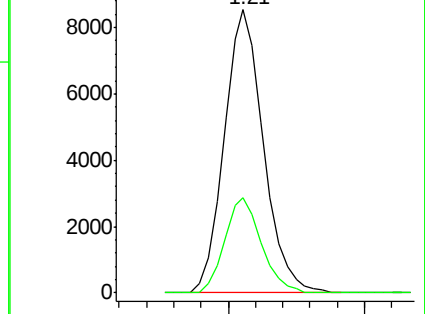
85 100

87 33.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)





#3

Chloromethane

Concen: 10.281 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 50 Resp: 15295

Ion Ratio Lower Upper

50 100

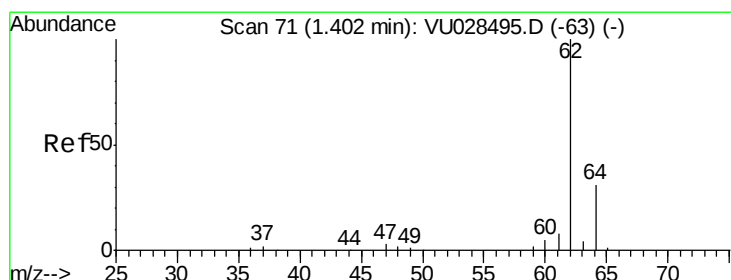
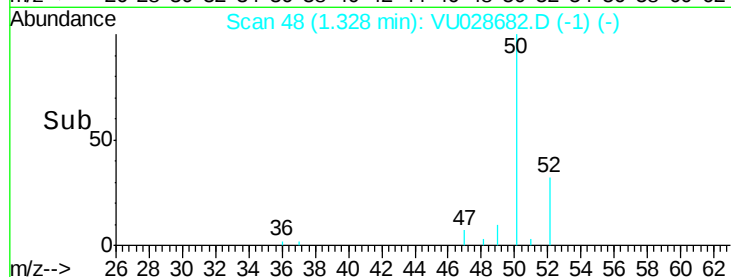
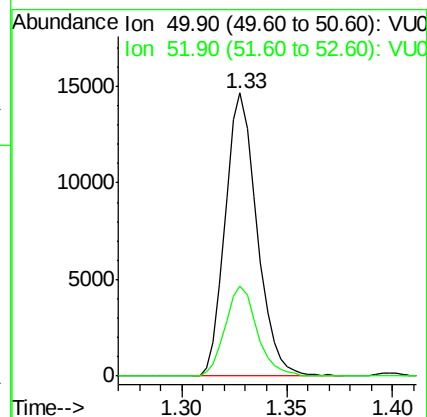
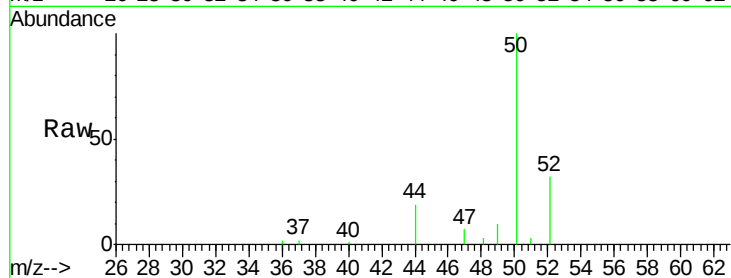
52 31.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.263 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028682.D

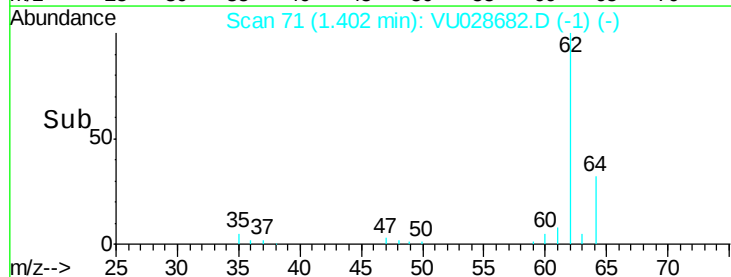
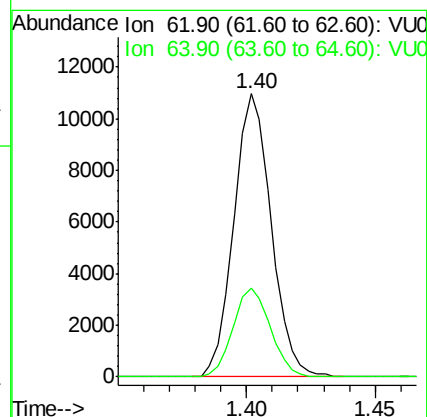
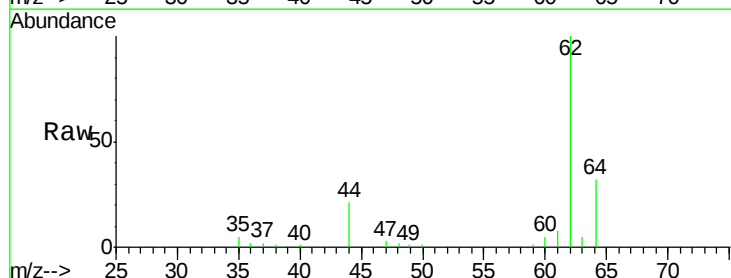
Acq: 14 Dec 2018 14:50

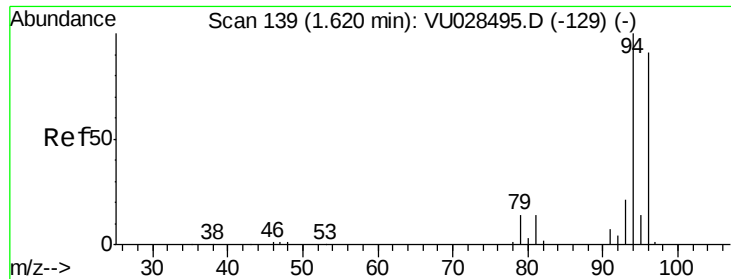
Tgt Ion: 62 Resp: 11019

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 10.944 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 94 Resp: 4733

Ion Ratio Lower Upper

94 100

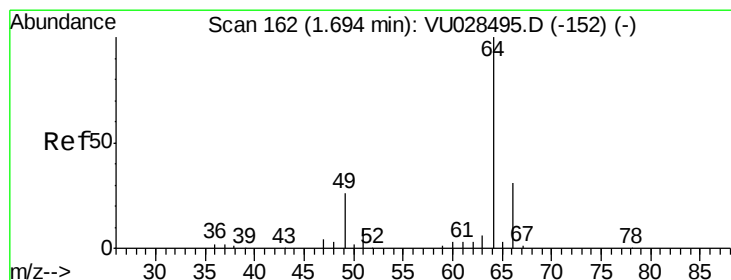
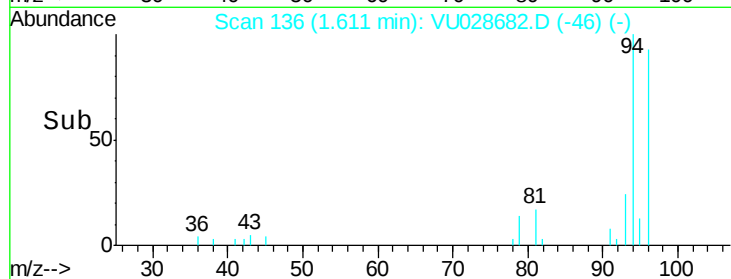
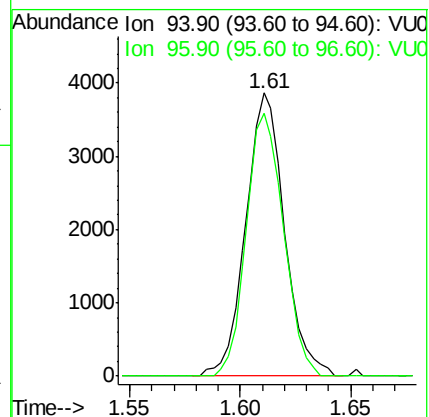
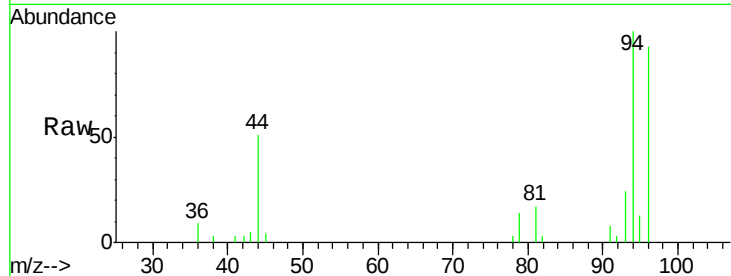
96 93.1 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 11.152 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028682.D

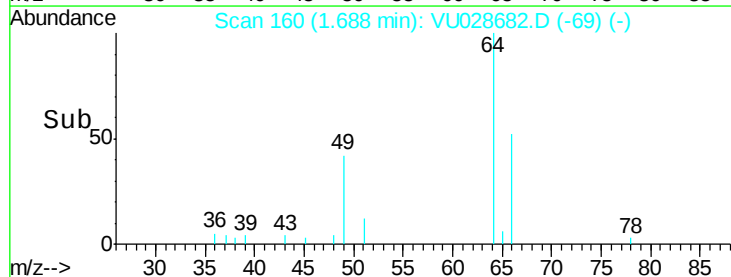
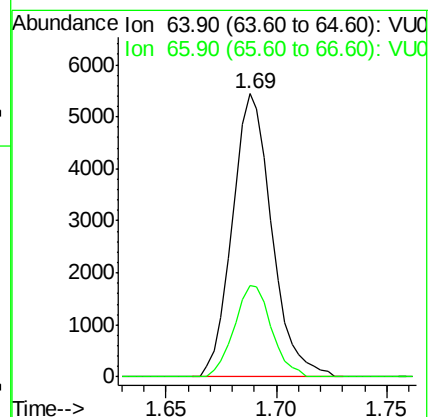
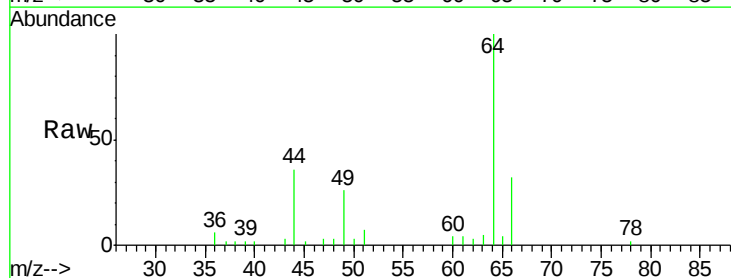
Acq: 14 Dec 2018 14:50

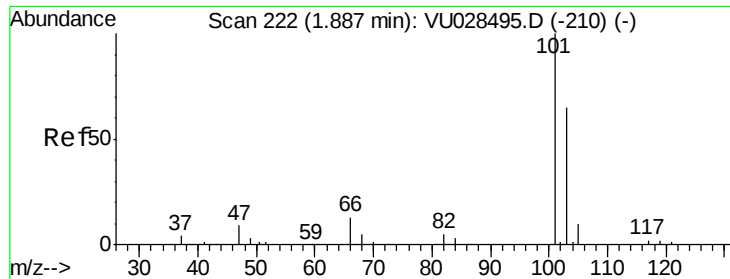
Tgt Ion: 64 Resp: 6778

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.6





#7

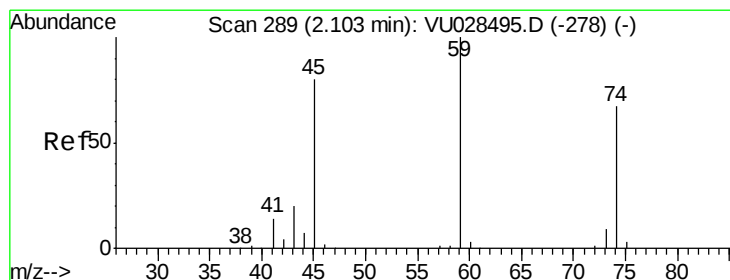
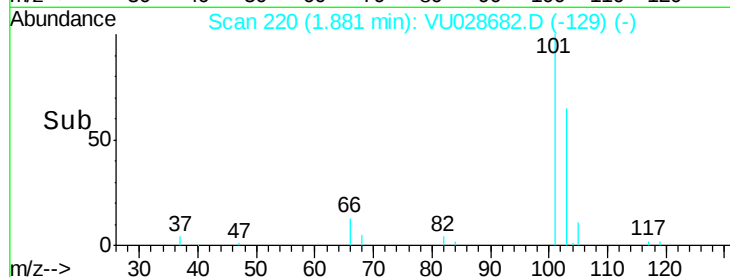
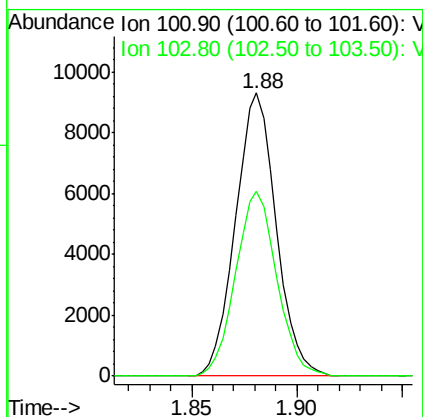
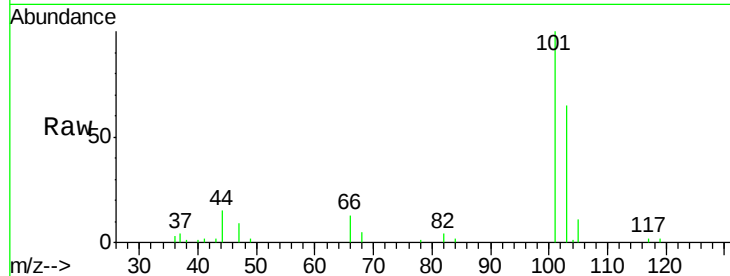
Trichlorofluoromethane
Concen: 11.038 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion:101 Resp: 12468
Ion Ratio Lower Upper
101 100
103 65.3 52.3 78.5

Manual Integrations
APPROVED

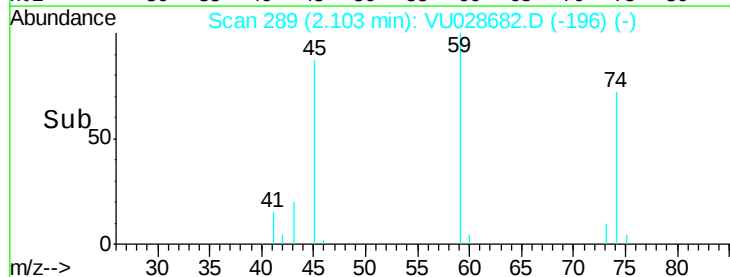
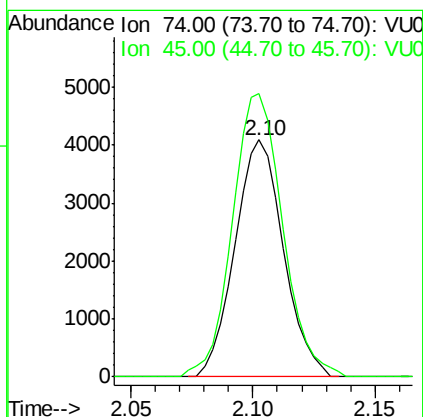
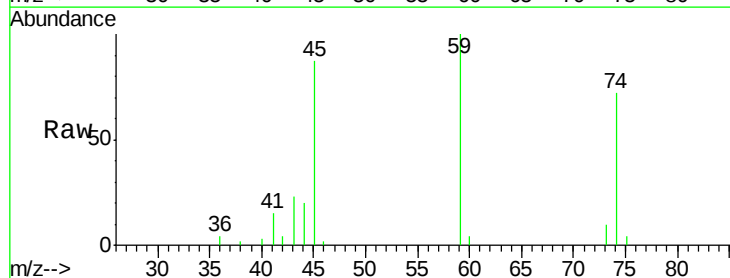
MMDadoda
12/17/2018 9:48:40 AM

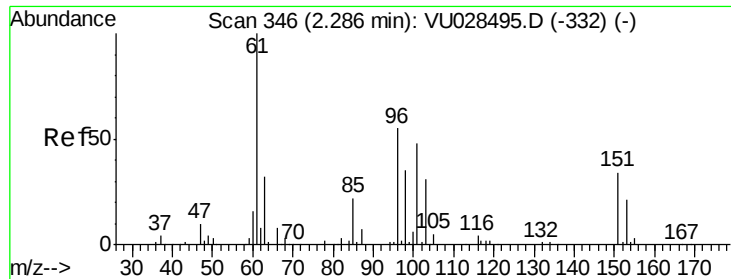


#8

Diethyl Ether
Concen: 10.668 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 74 Resp: 5638
Ion Ratio Lower Upper
74 100
45 123.8 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.940 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

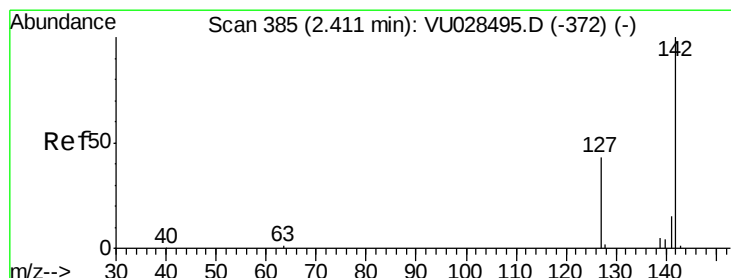
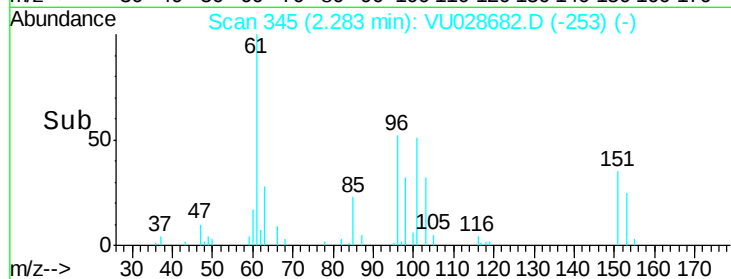
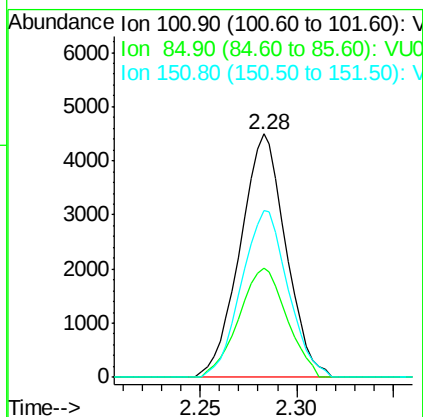
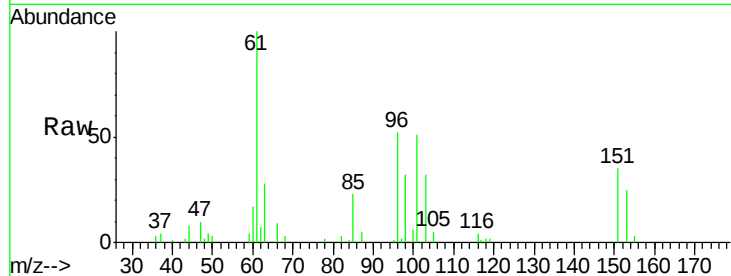
ClientSampleId :

VU1215WBS01

Tgt Ion:	101	Resp:	7391
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.4	54.6
151	69.7	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 14.183 ug/l

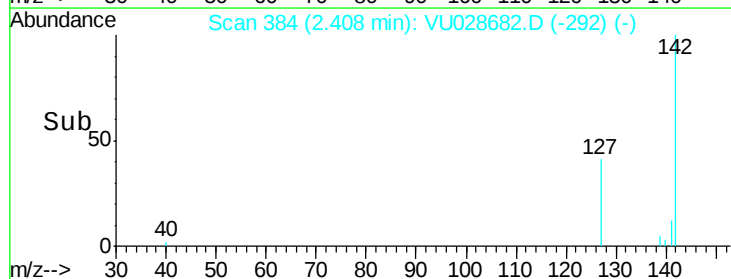
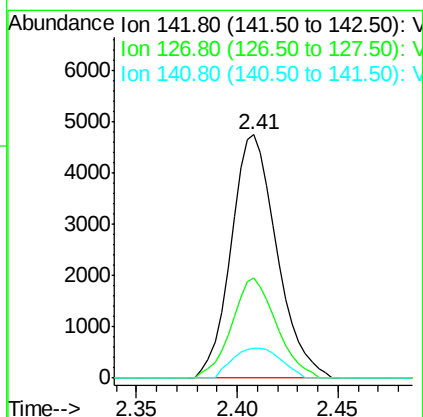
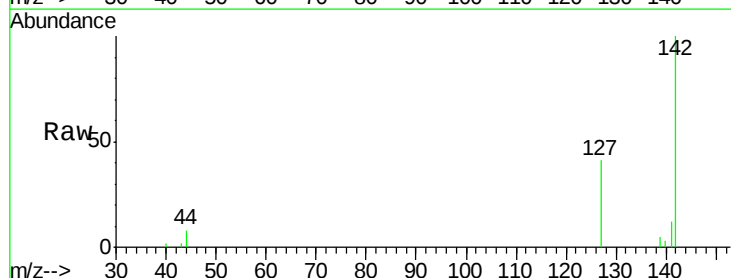
RT: 2.41 min Scan# 384

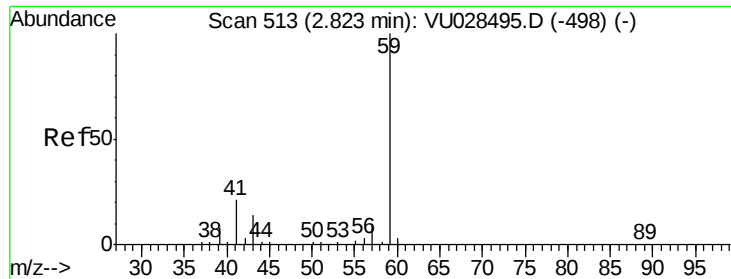
Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion:	142	Resp:	7518
Ion Ratio	Lower	Upper	
142	100		
127	40.1	33.5	50.3
141	13.1	11.2	16.8





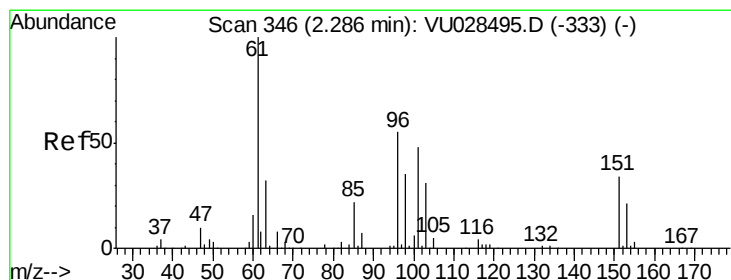
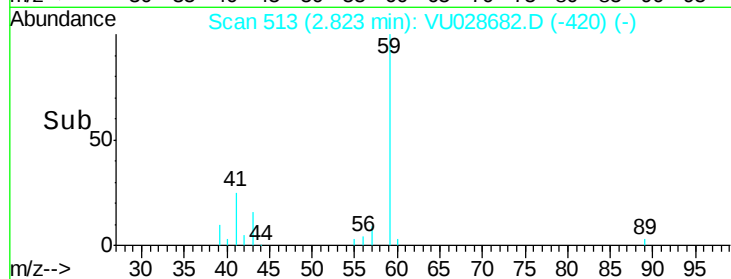
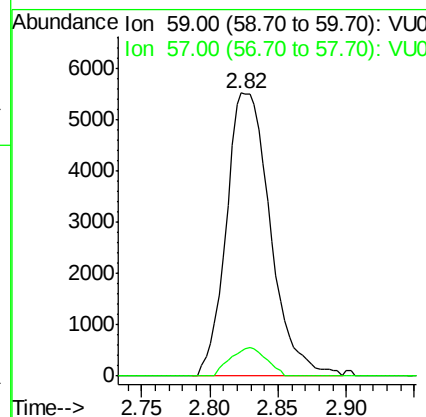
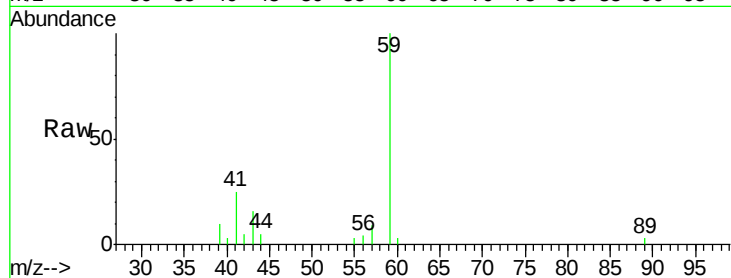
#11
Tert butyl alcohol
Concen: 60.156 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.2	8.0	12.0

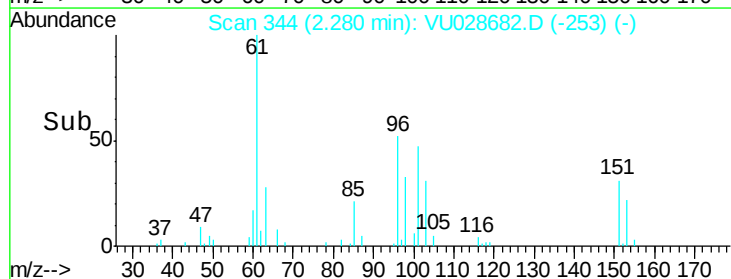
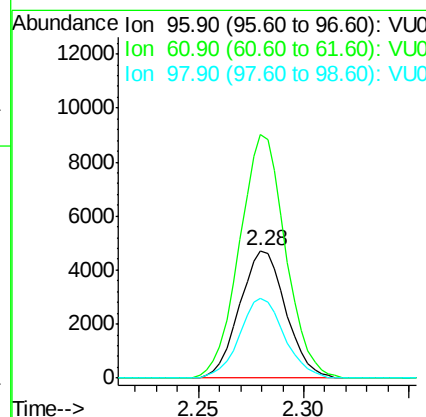
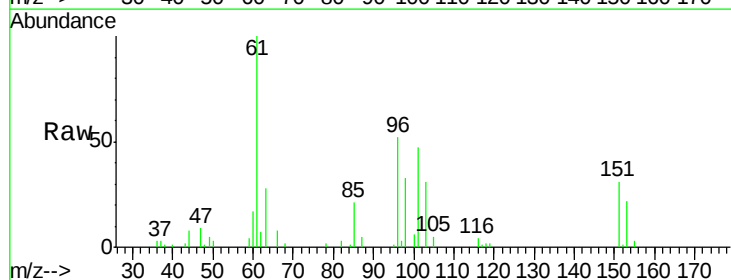
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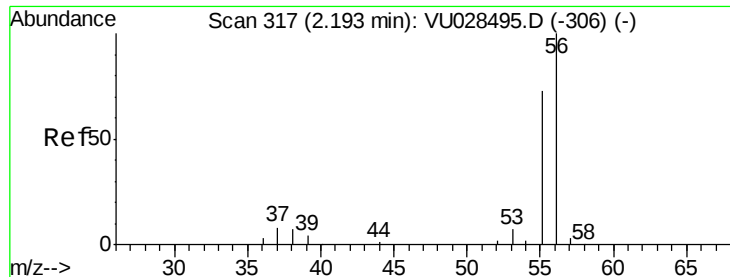
MMDadoda
12/17/2018 9:48:40 AM



#12
1,1-Dichloroethene
Concen: 10.645 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.9	146.4	219.6
98	63.0	51.8	77.8





#13

Acrolein

Concen: 95.370 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 56 Resp: 15606

Ion Ratio Lower Upper

56 100

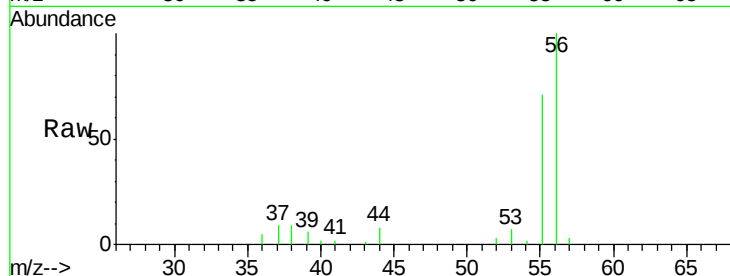
55 70.6 57.5 86.3

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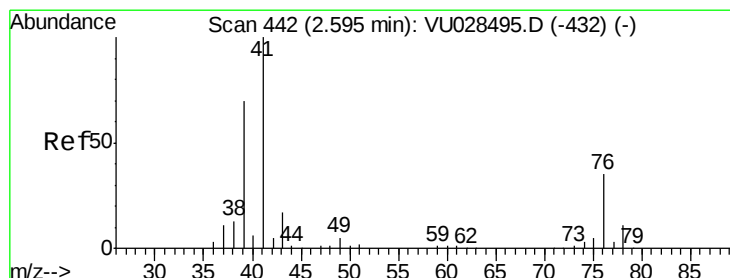
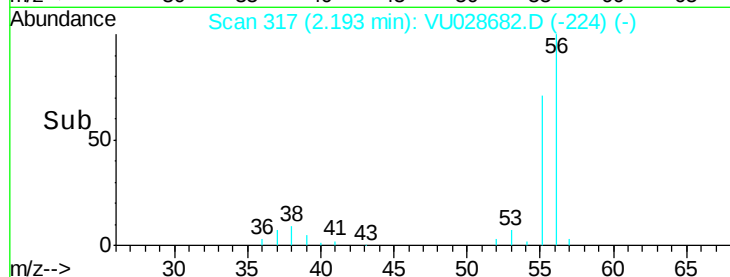
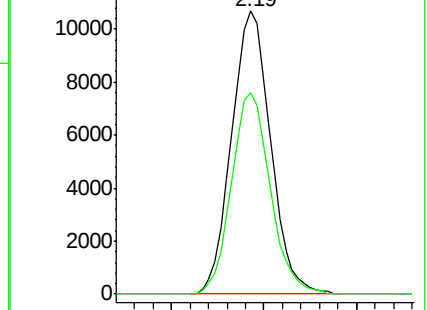
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Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028495.D (-306) (-)



#14

Allyl chloride

Concen: 12.174 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

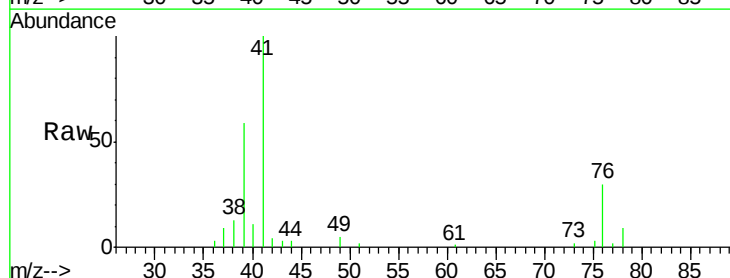
Tgt Ion: 41 Resp: 19359

Ion Ratio Lower Upper

41 100

39 54.5 50.8 76.2

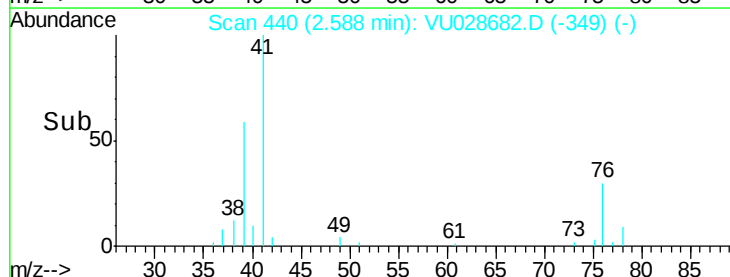
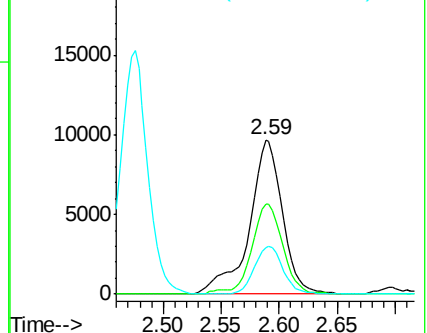
76 26.6 24.8 37.2

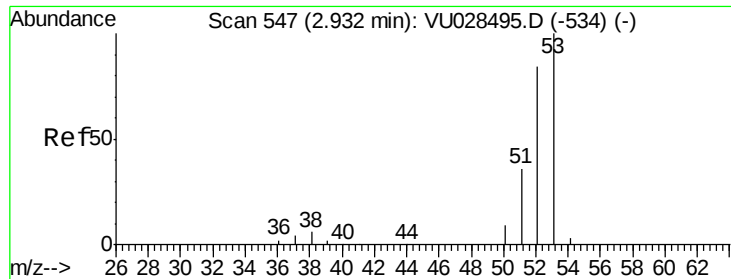


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU028495.D (-432) (-)





#15

Acrylonitrile

Concen: 57.658 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

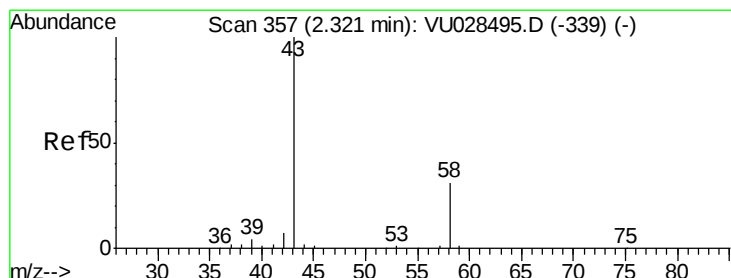
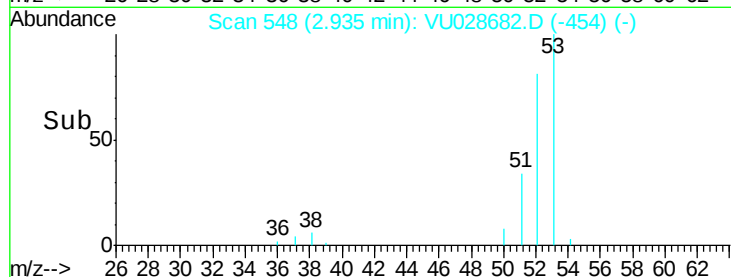
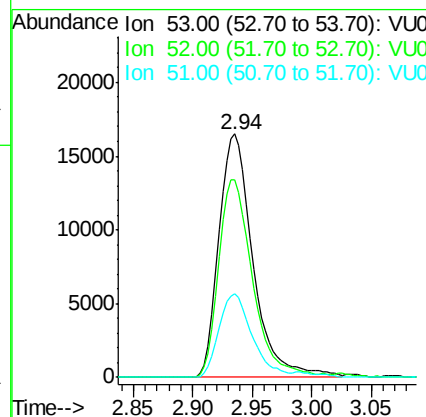
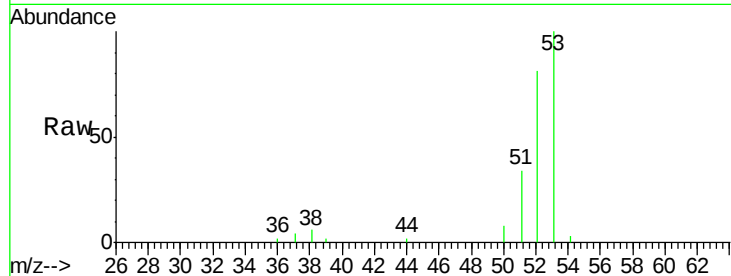
ClientSampleId :

VU1215WBS01

Tgt Ion:	53	Resp:	32858
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.1	99.1
51	33.3	28.1	42.1

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#16

Acetone

Concen: 60.268 ug/l

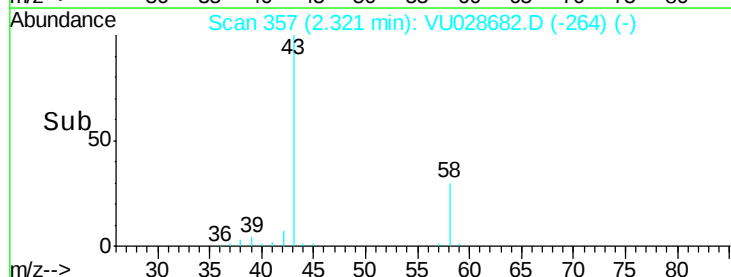
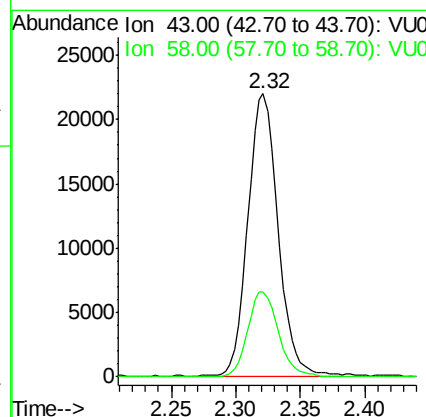
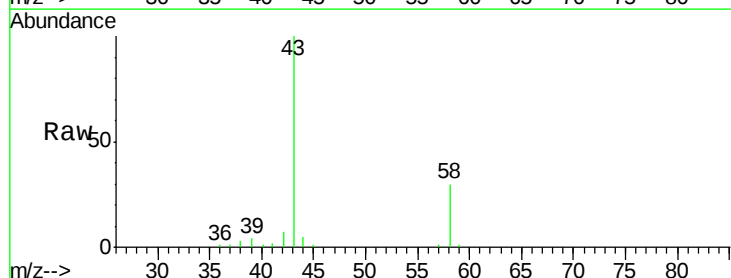
RT: 2.32 min Scan# 357

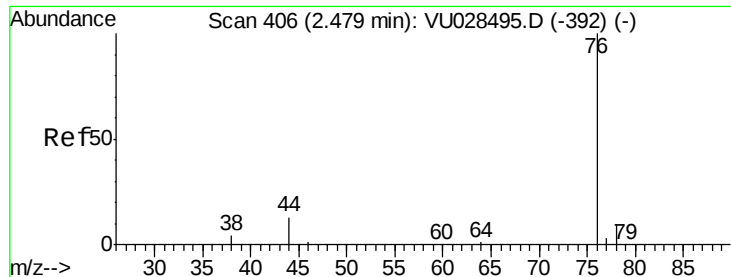
Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion:	43	Resp:	36233
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.6	37.0





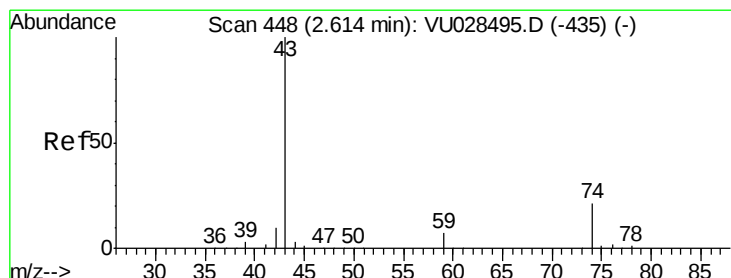
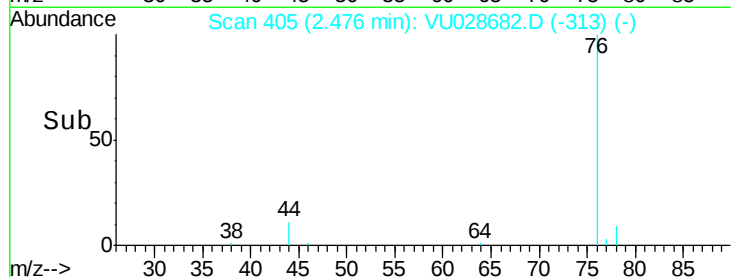
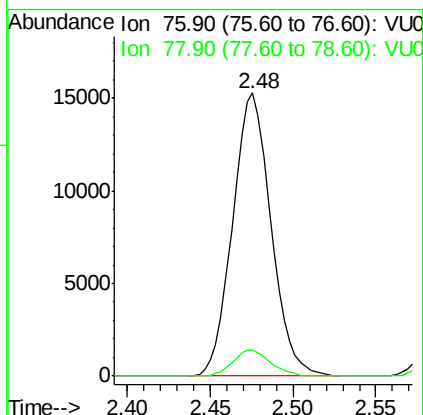
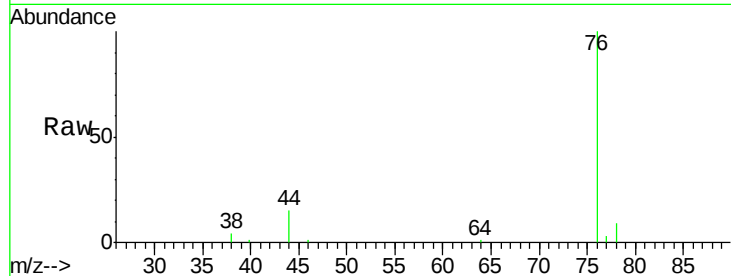
#17
Carbon Disulfide
Concen: 10.176 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 76 Resp: 24642
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

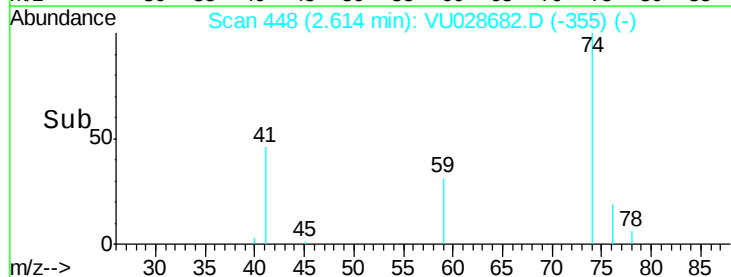
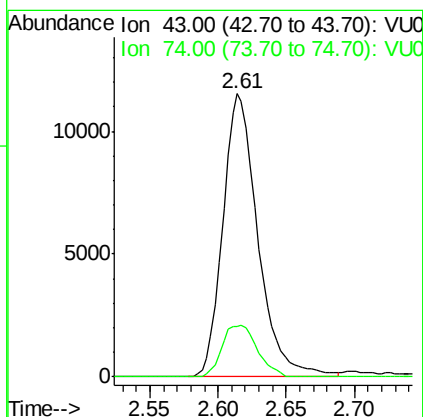
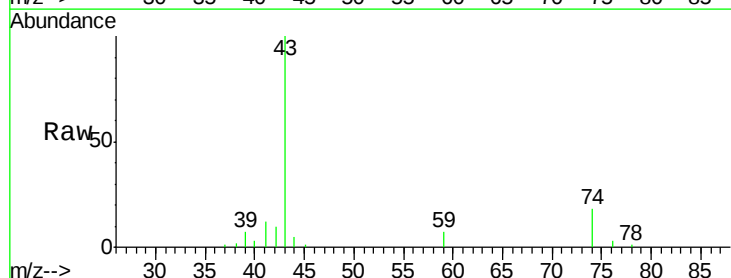
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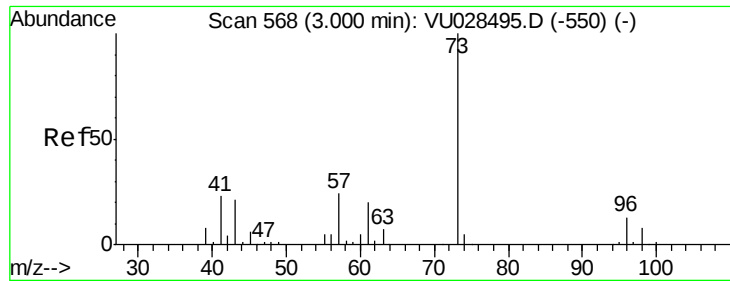
MMDadoda
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#18
Methyl Acetate
Concen: 13.187 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 43 Resp: 20551
Ion Ratio Lower Upper
43 100
74 18.3 16.4 24.6





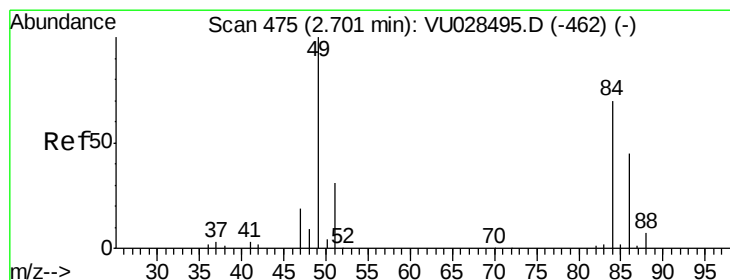
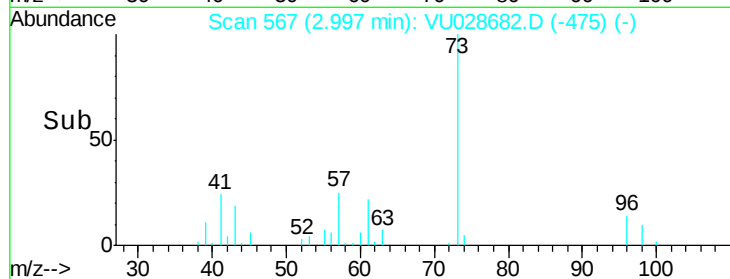
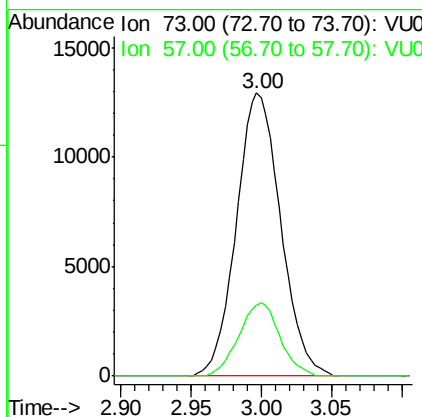
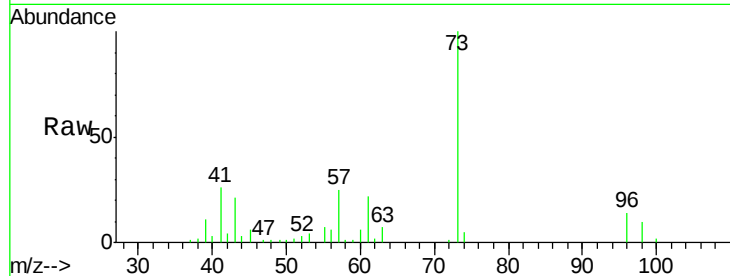
#19
Methyl tert-butyl Ether
Concen: 11.134 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 73 Resp: 28372
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.2

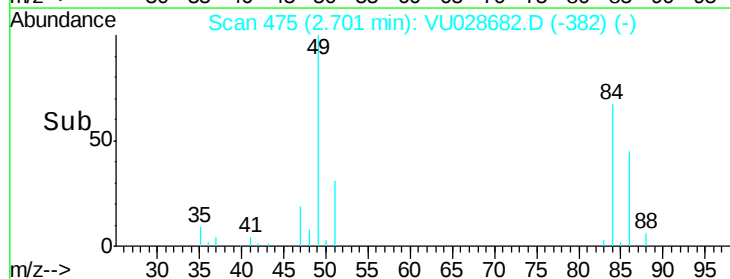
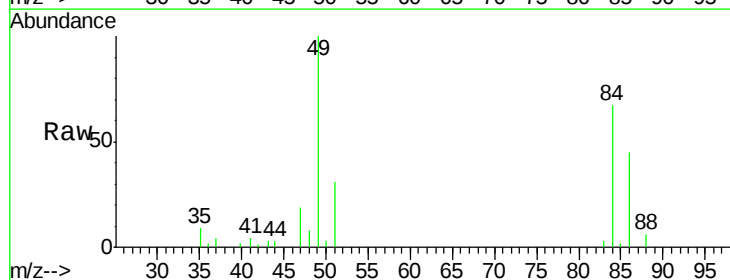
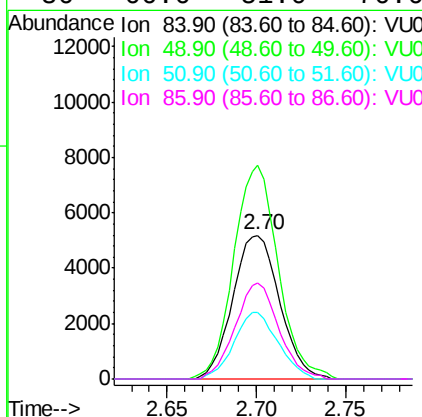
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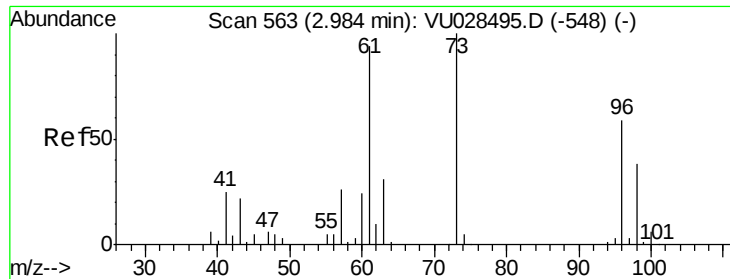
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#20
Methylene Chloride
Concen: 10.718 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 84 Resp: 9499
Ion Ratio Lower Upper
84 100
49 148.8 114.0 171.0
51 46.7 35.1 52.7
86 66.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 10.556 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

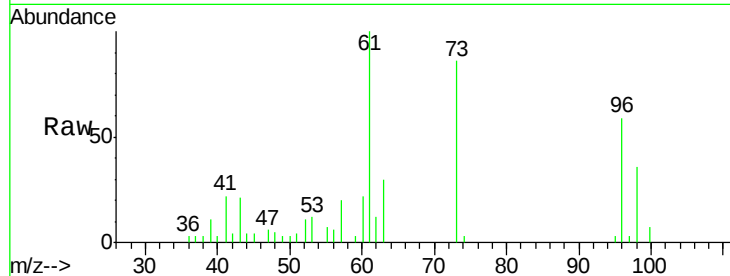
ClientSampleId :

VU1215WBS01

Tgt Ion:	96	Resp:	7989
Ion	Ratio	Lower	Upper
96	100		
61	170.2	127.0	190.4
98	61.1	51.9	77.9

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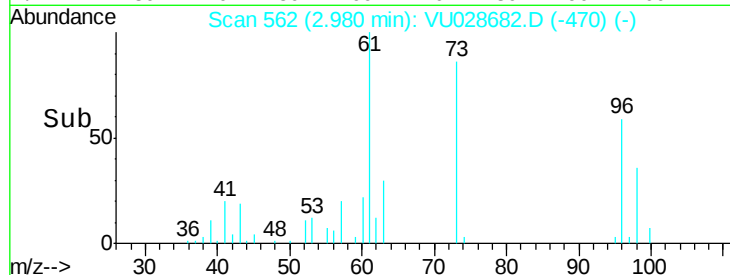


Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

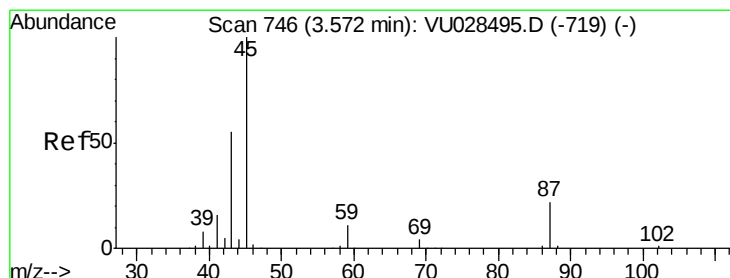
Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)

Time-->



Time-->



#22

Diisopropyl ether

Concen: 11.200 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion:	45	Resp:	34634
Ion	Ratio	Lower	Upper
45	100		
43	64.3	45.3	67.9
87	18.7	17.6	26.4
59	8.8	8.8	13.2

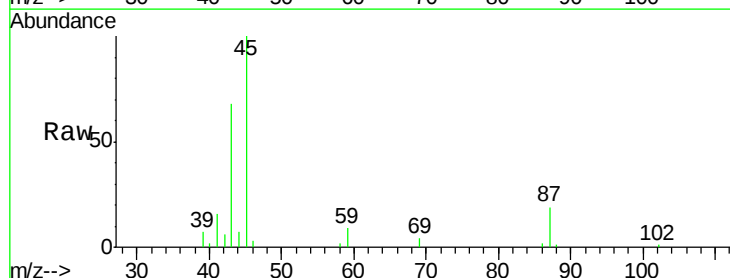
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

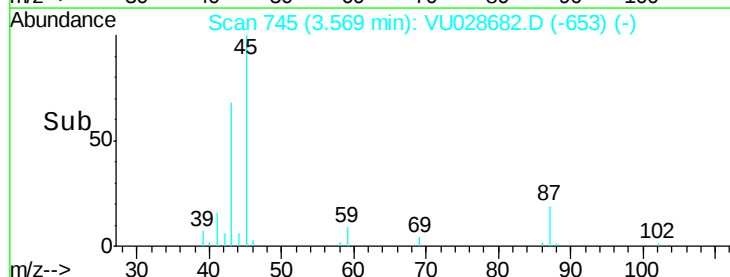
Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)

Time-->

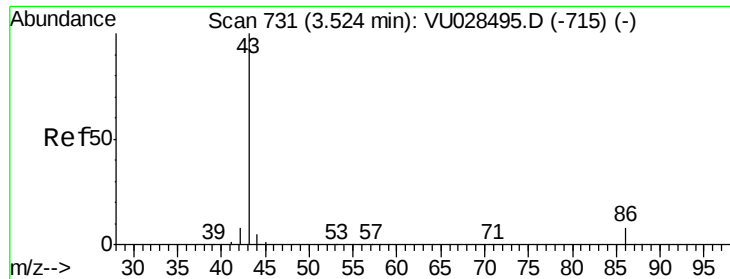


Time-->



Time-->

Time-->



#23

Vinyl Acetate

Concen: 54.480 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 43 Resp: 138959

Ion Ratio Lower Upper

43 100

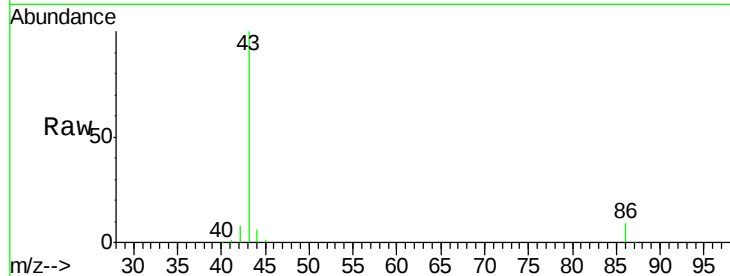
86 8.7 6.8 10.2

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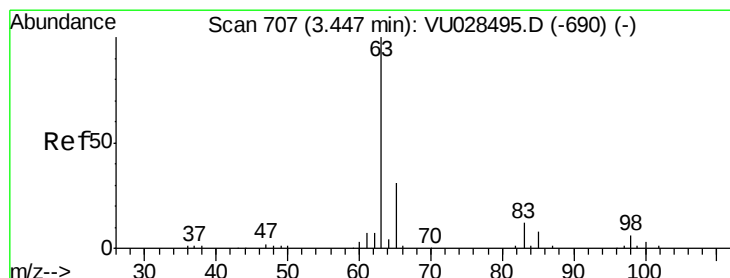
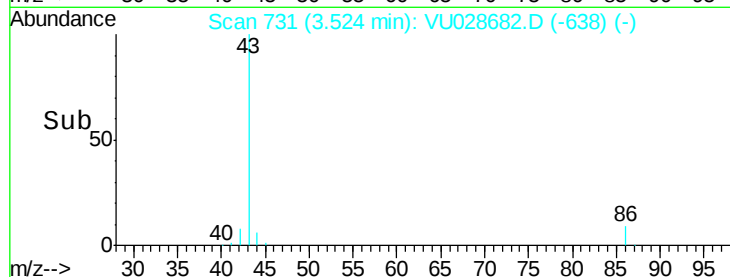
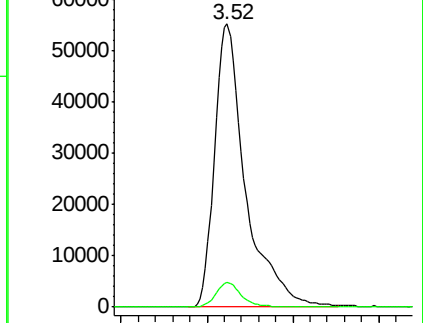
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 10.966 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

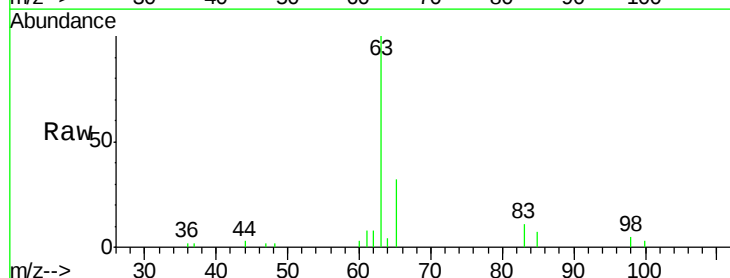
Tgt Ion: 63 Resp: 17751

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

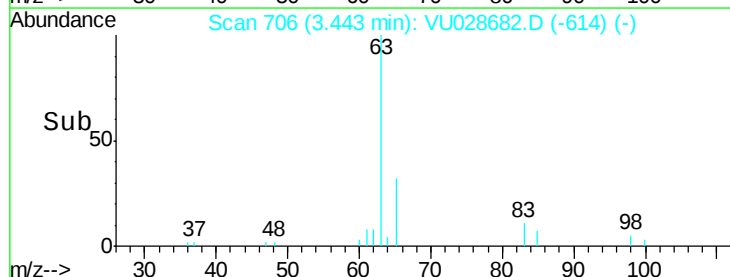
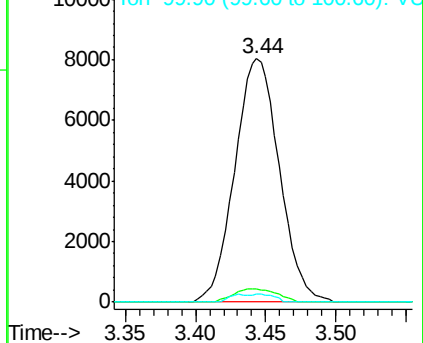
100 3.1 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 57.630 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 43 Resp: 47349

Ion Ratio Lower Upper

43 100

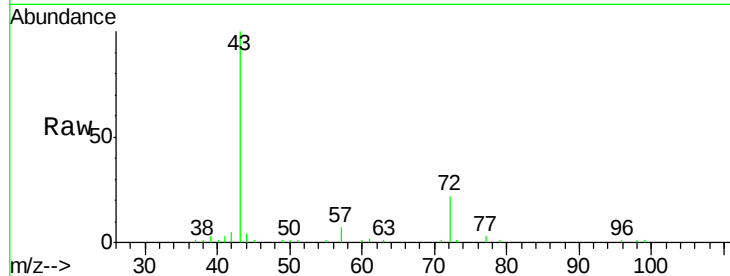
72 21.9 18.6 28.0

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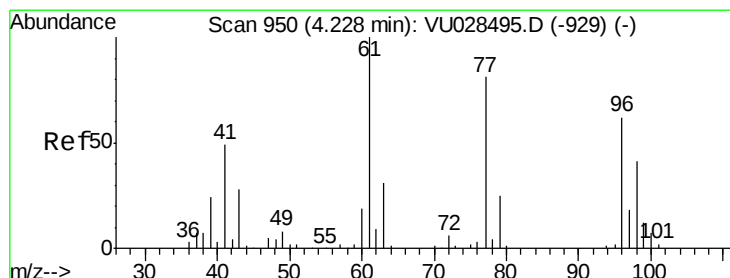
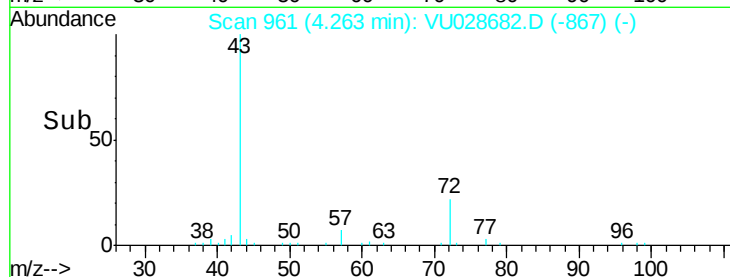
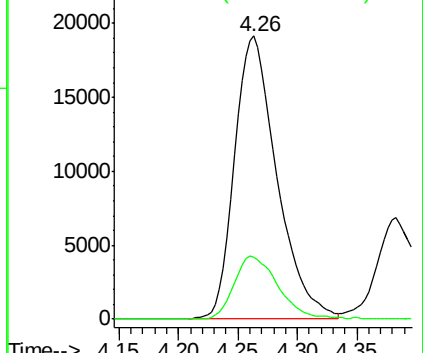
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 11.261 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028682.D

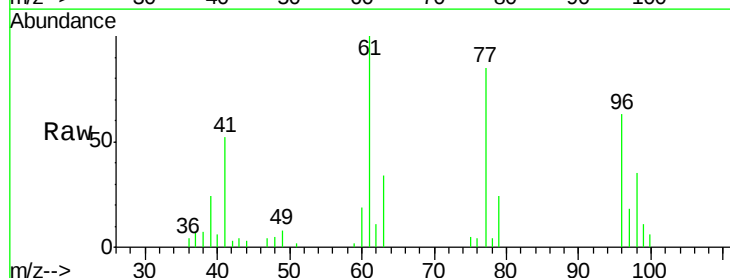
Acq: 14 Dec 2018 14:50

Tgt Ion: 77 Resp: 14443

Ion Ratio Lower Upper

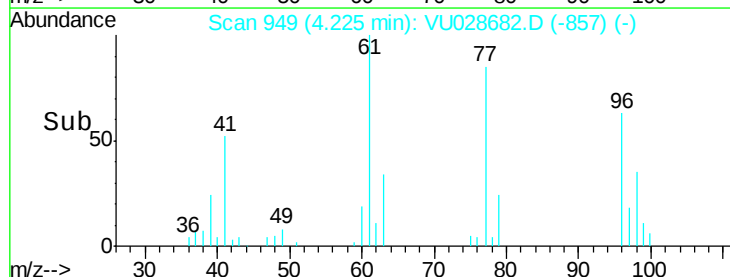
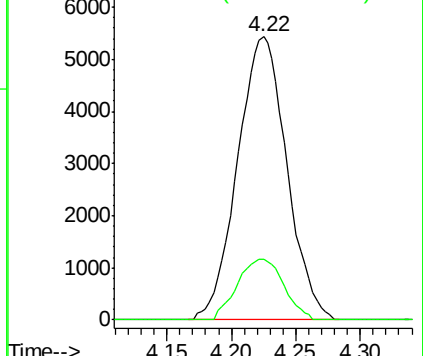
77 100

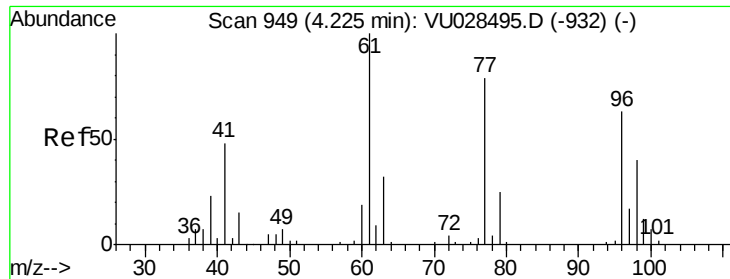
97 20.2 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

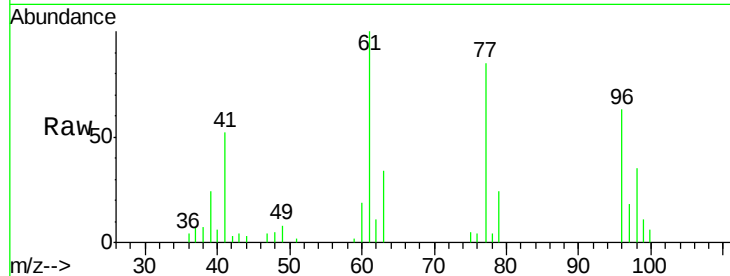
cis-1,2-Dichloroethene
Concen: 10.774 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

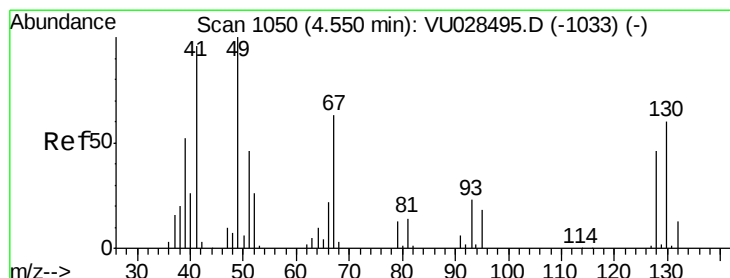
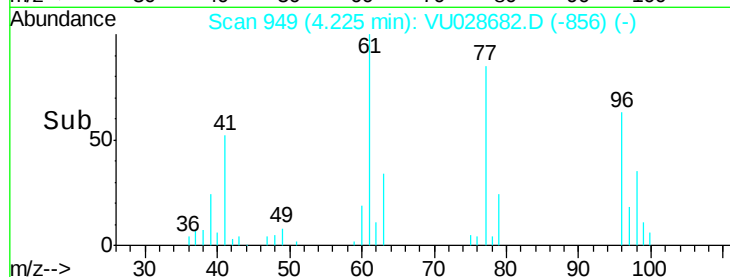
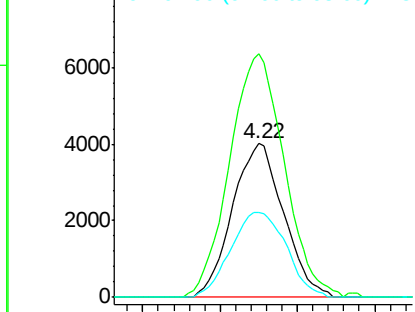
Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	332.4
98	59.9	0.0	129.0

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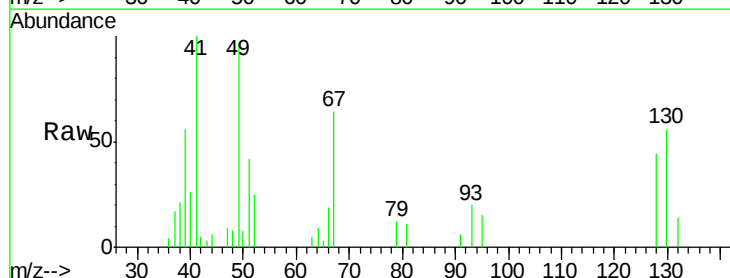
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



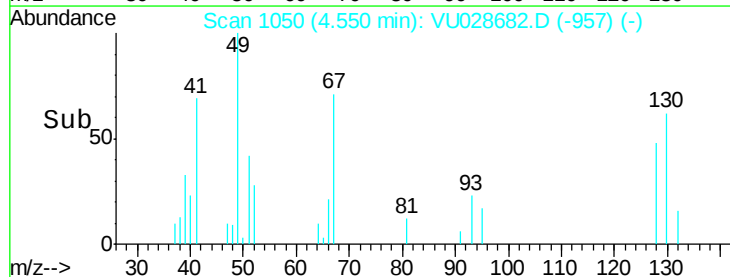
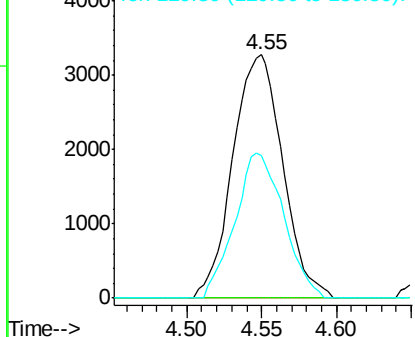
#28

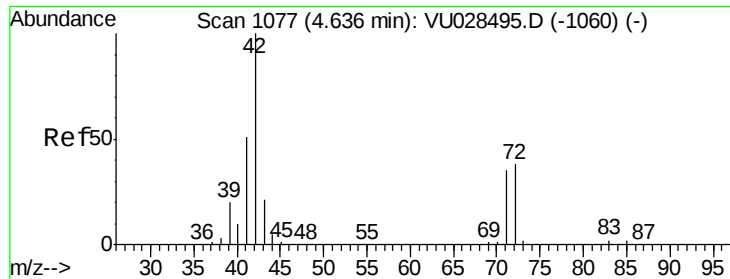
Bromochloromethane
Concen: 10.343 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	58.0	47.8	71.8



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





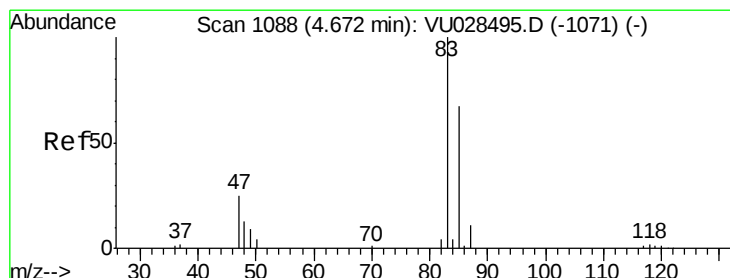
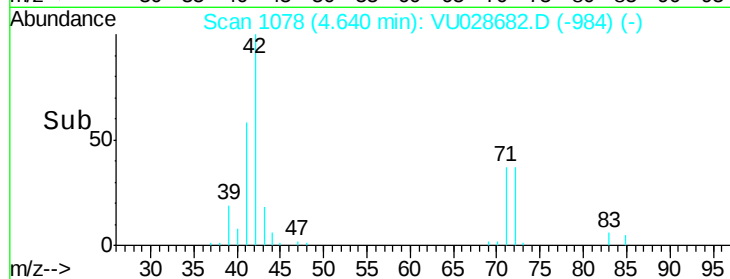
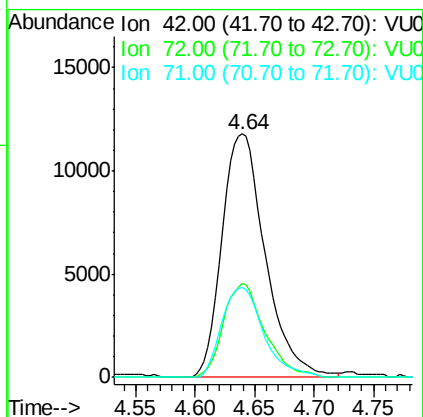
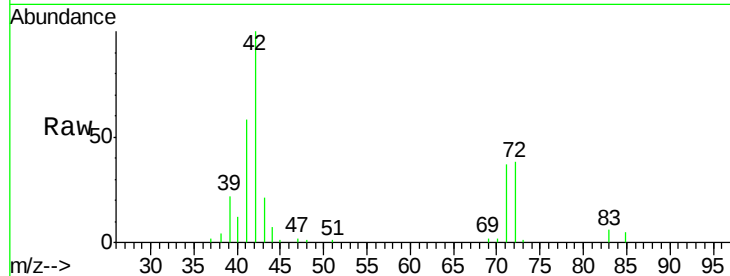
#29
Tetrahydrofuran
Concen: 56.439 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.4	47.0
71	35.7	28.6	43.0

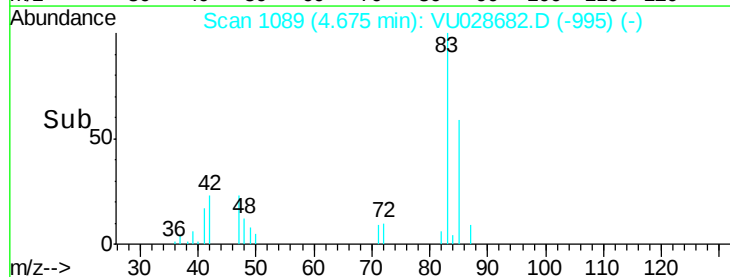
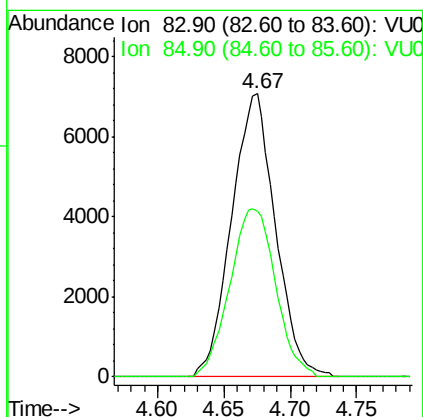
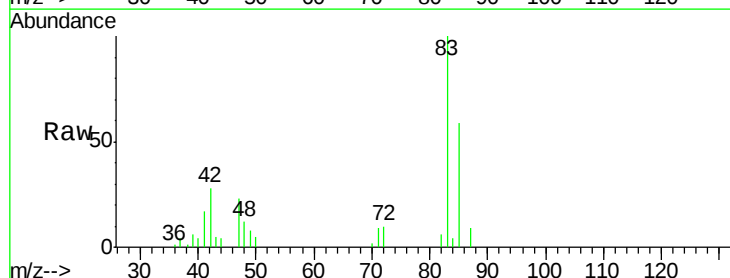
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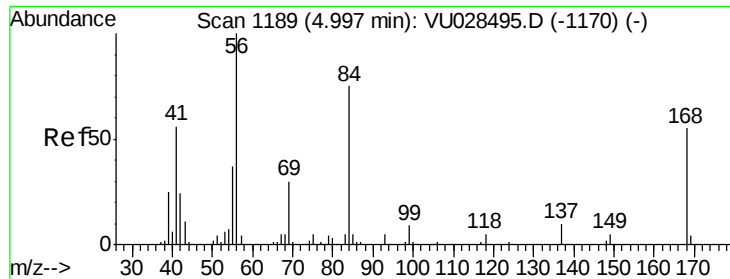
MMDadoda
12/17/2018 9:48:40 AM



#30
Chloroform
Concen: 11.540 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.7	53.6	80.4





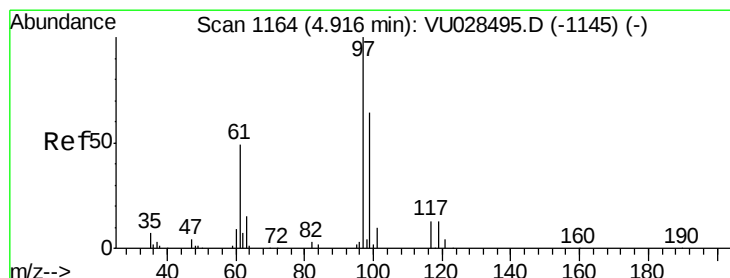
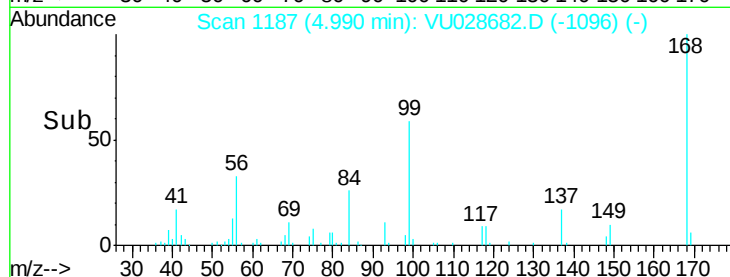
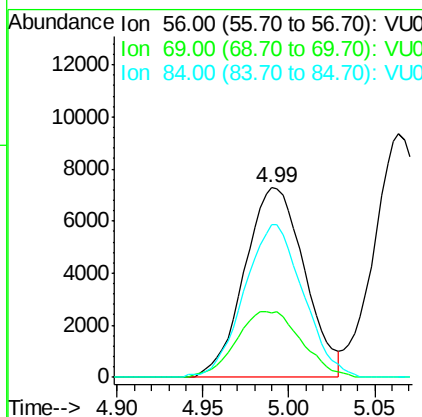
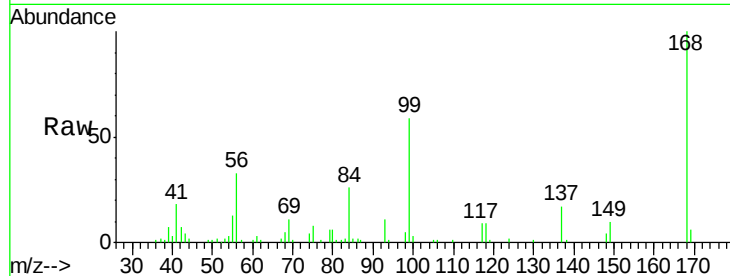
#31
Cyclohexane
Concen: 10.208 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.2	24.0	36.0
84	79.2	59.7	89.5

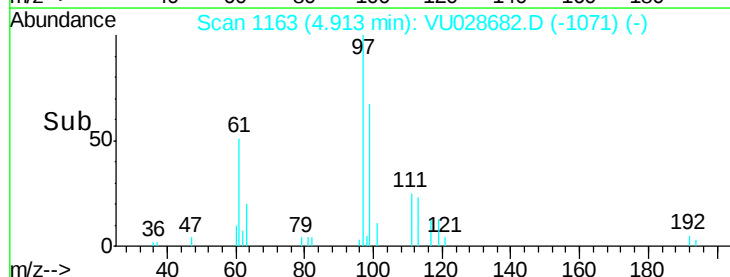
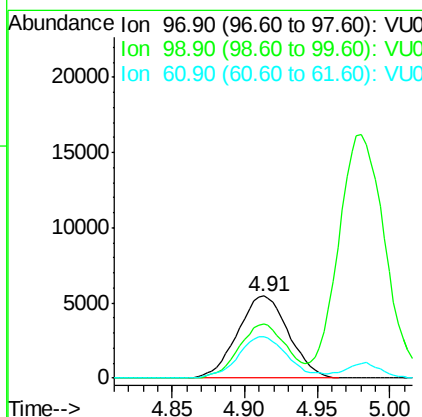
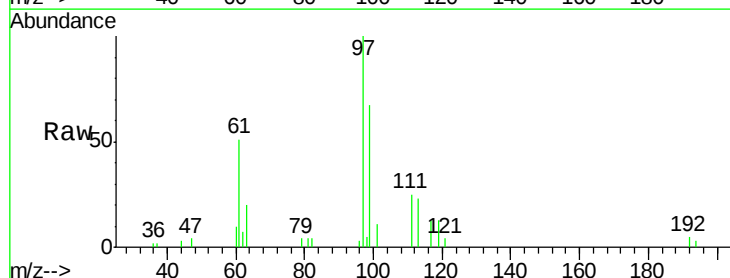
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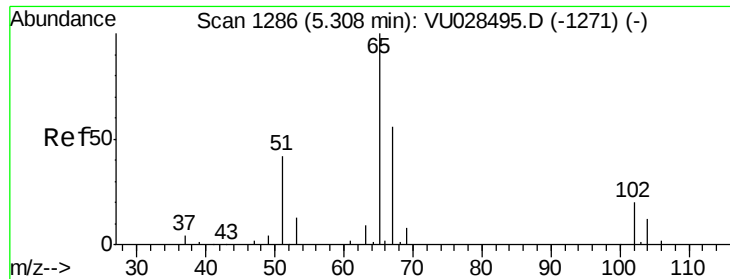
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#32
1,1,1-Trichloroethane
Concen: 11.385 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	52.3	78.5
61	49.5	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 31.823 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 65 Resp: 29319

Ion Ratio Lower Upper

65 100

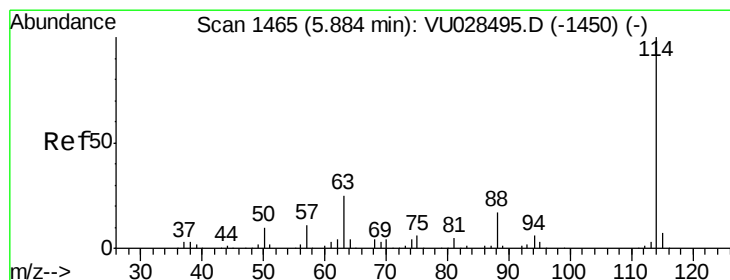
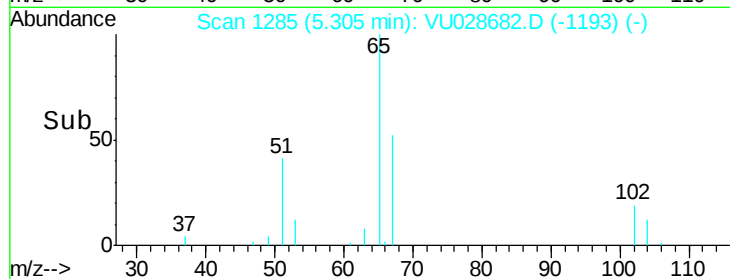
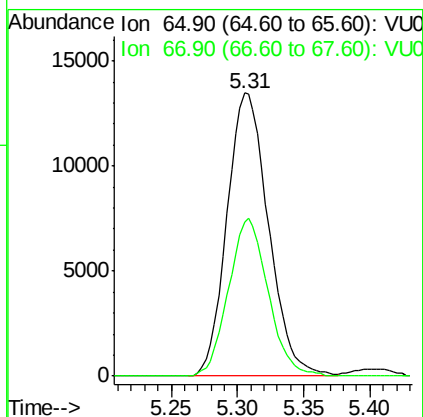
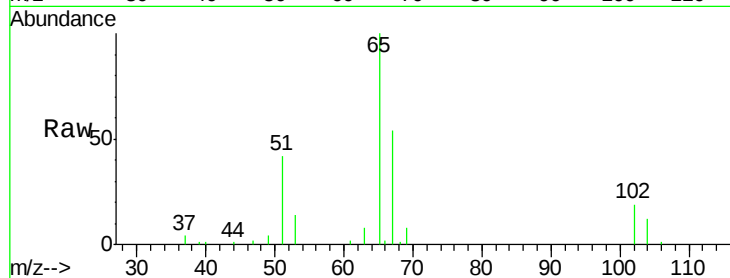
67 53.1 0.0 110.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

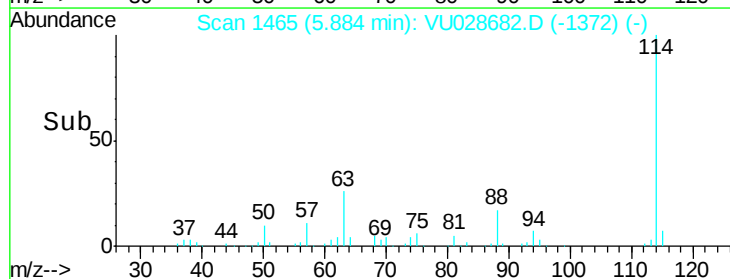
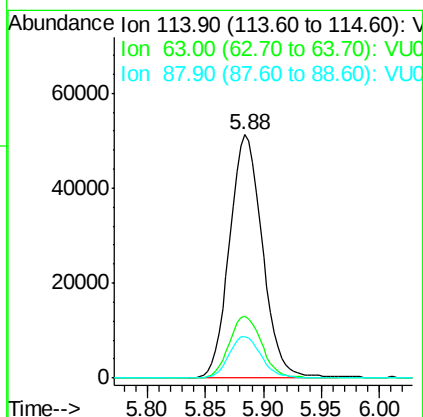
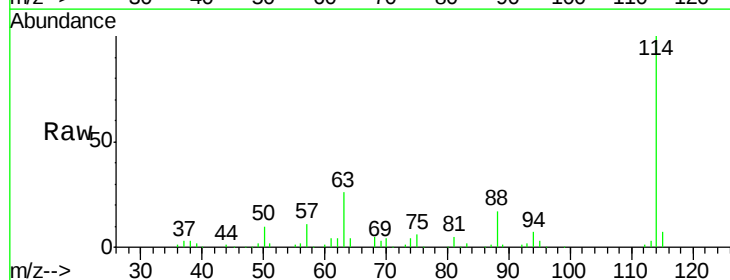
Tgt Ion: 114 Resp: 101073

Ion Ratio Lower Upper

114 100

63 25.6 0.0 49.2

88 17.2 0.0 33.4





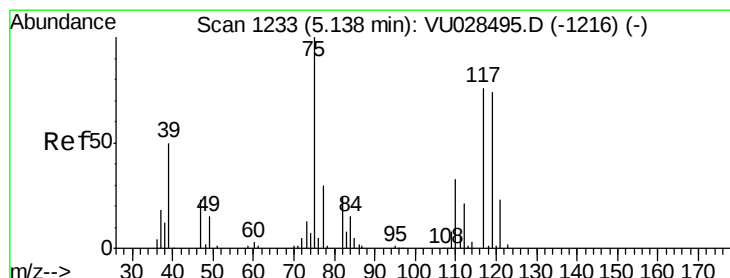
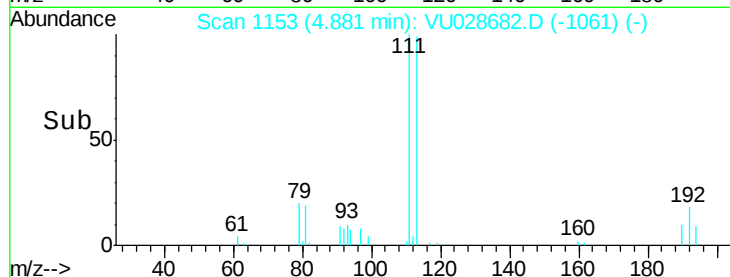
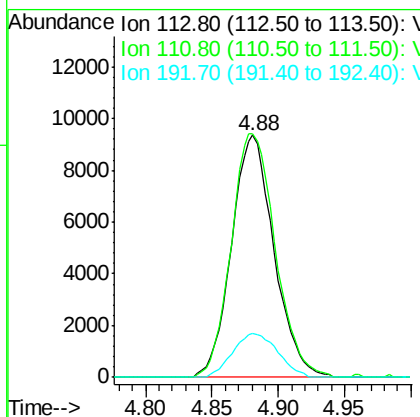
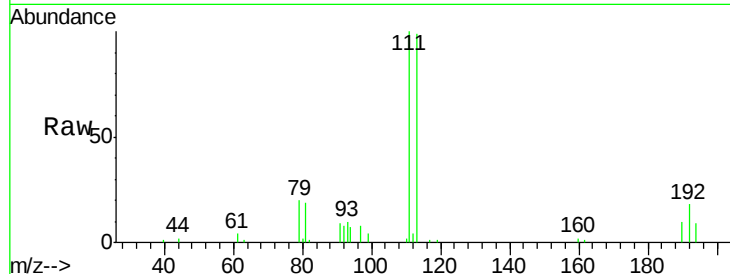
#35
 Dibromofluoromethane
 Concen: 32.708 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	20804		
111	104.4	83.4	125.0	
192	19.1	14.8	22.2	

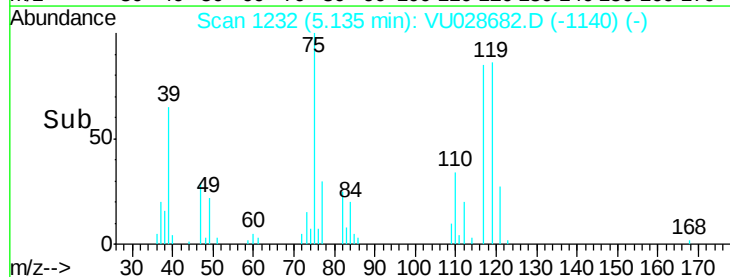
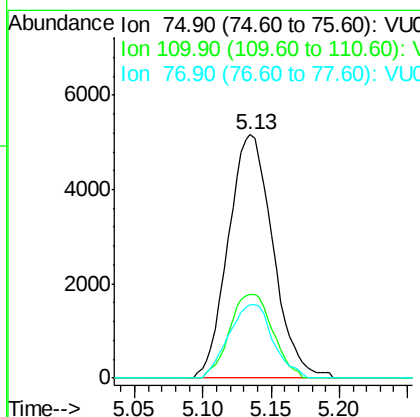
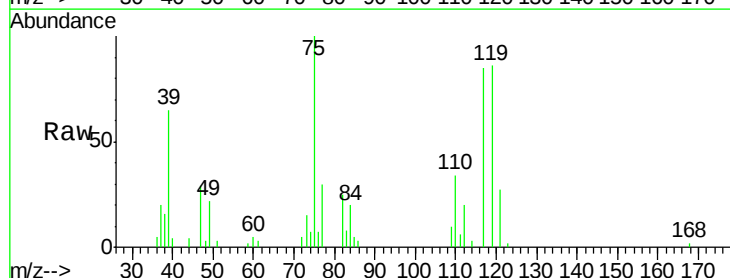
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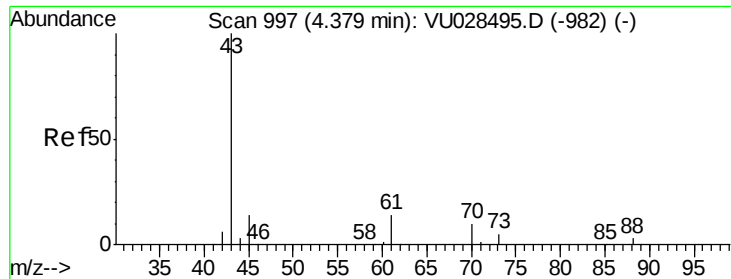
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#36
 1,1-Dichloropropene
 Concen: 10.623 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11749		
110	33.2	16.1	48.2	
77	30.0	24.5	36.7	





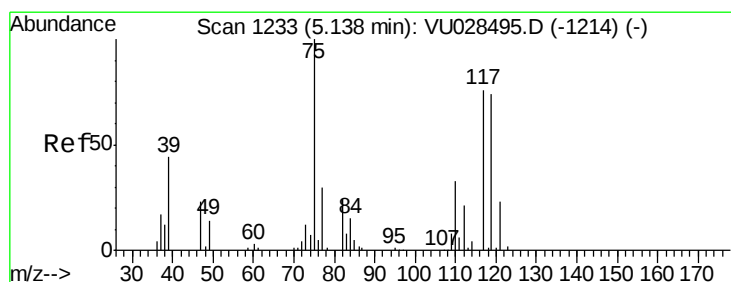
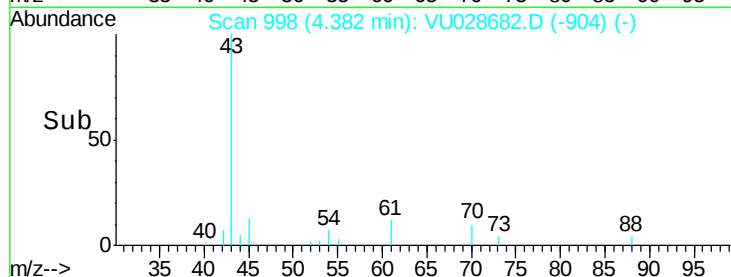
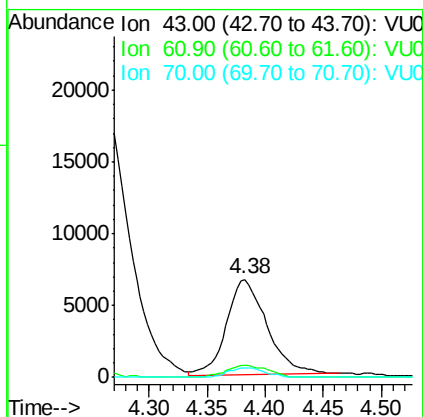
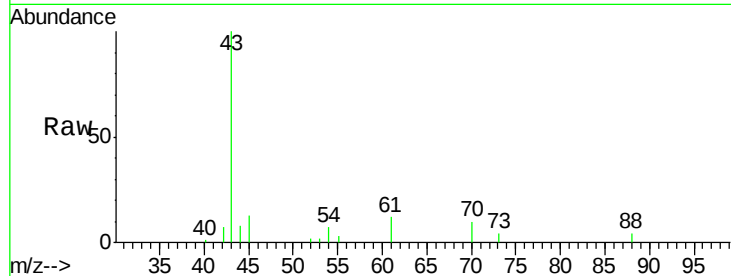
#37
Ethyl Acetate
Concen: 11.287 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 43 Resp: 16138
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 8.8 7.4 11.0

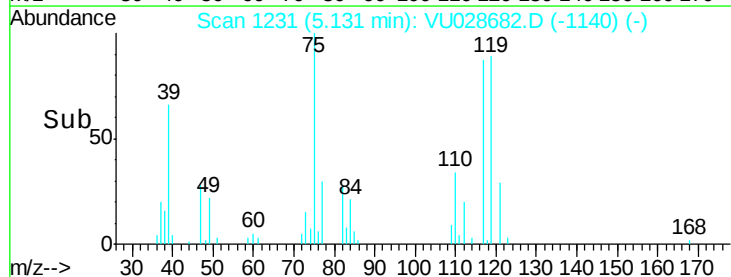
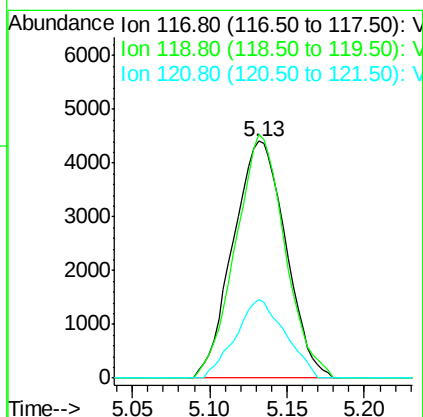
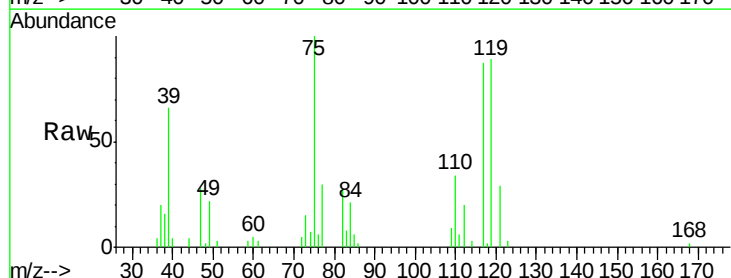
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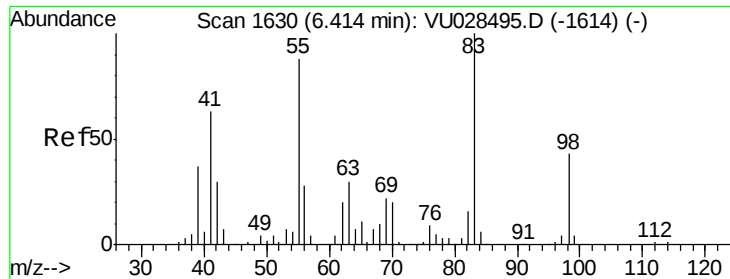
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#38
Carbon Tetrachloride
Concen: 11.701 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 117 Resp: 10431
Ion Ratio Lower Upper
117 100
119 102.8 77.6 116.4
121 33.2 24.6 36.8





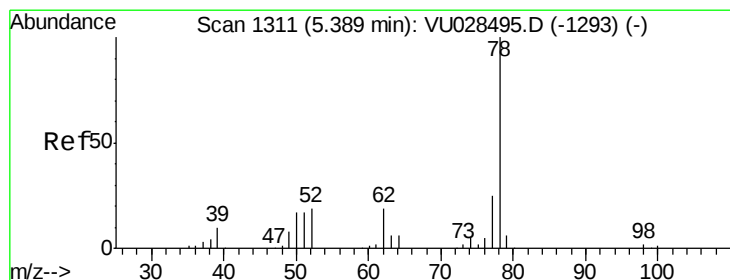
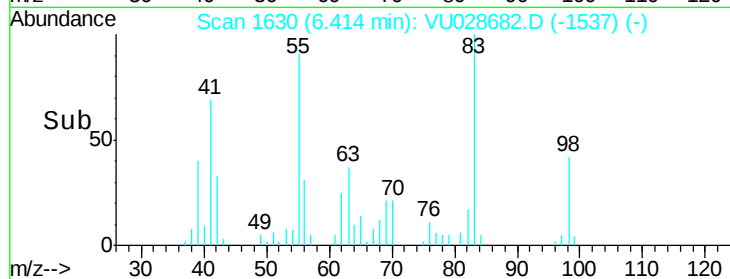
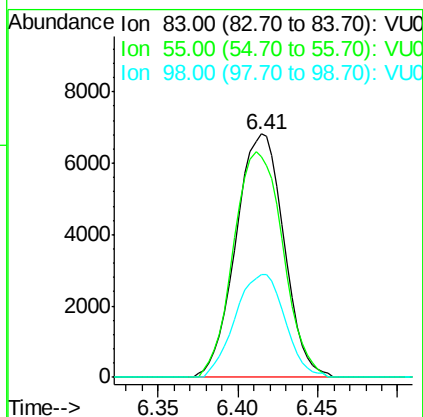
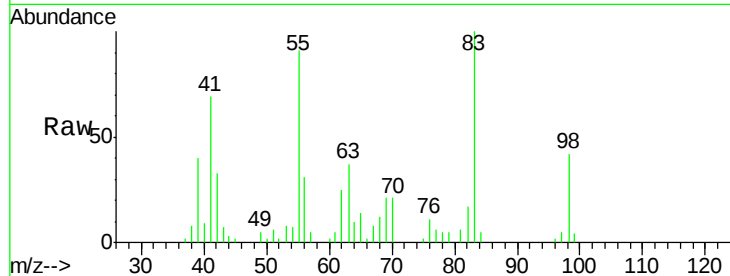
#39
Methylcyclohexane
Concen: 10.364 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.8	70.2	105.2
98	42.5	34.2	51.4

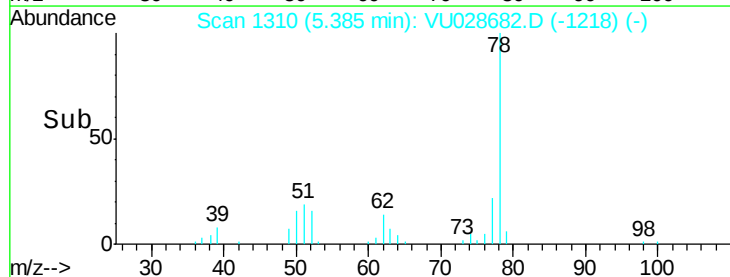
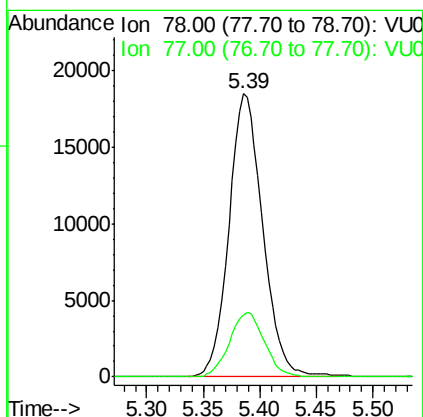
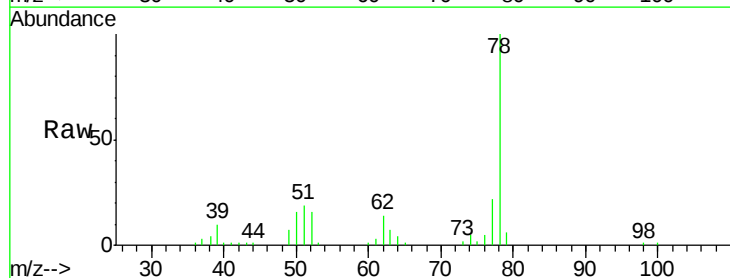
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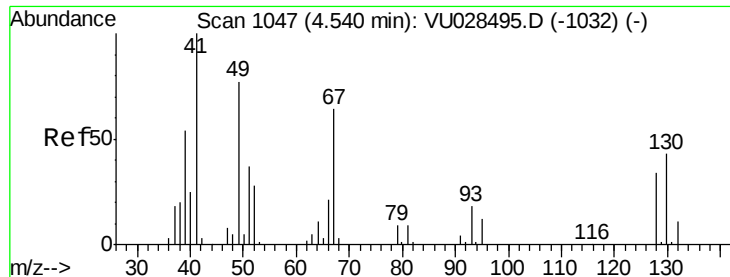
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#40
Benzene
Concen: 11.811 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.9	29.9





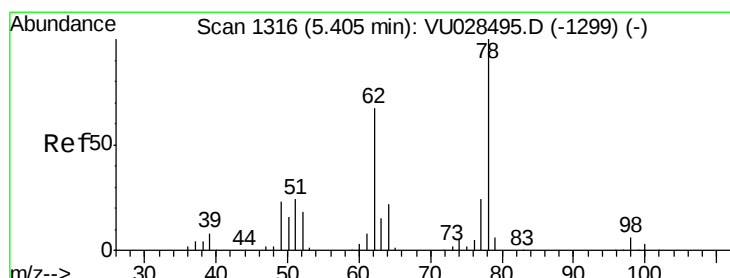
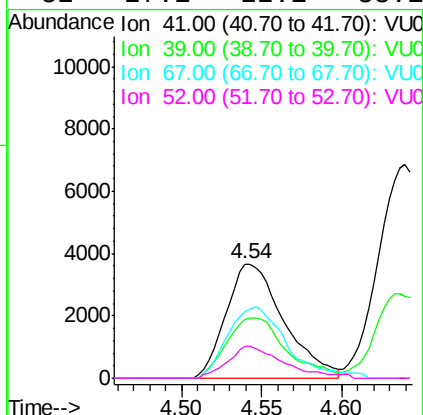
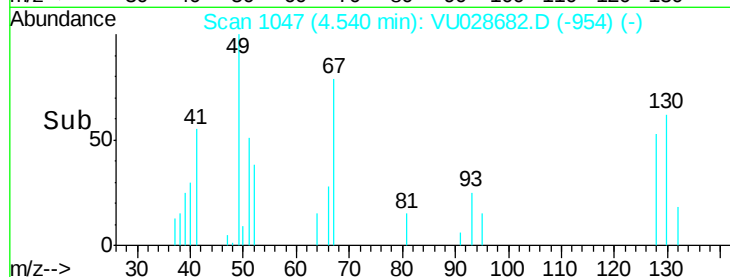
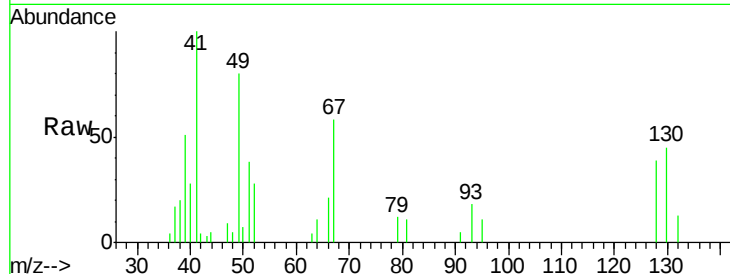
#41
Methacrylonitrile
Concen: 11.580 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	63.8	53.6	80.4
52	27.1	22.1	33.1

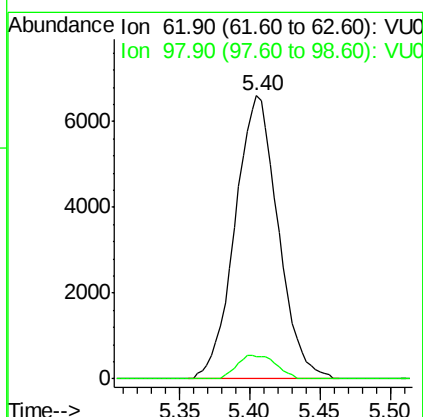
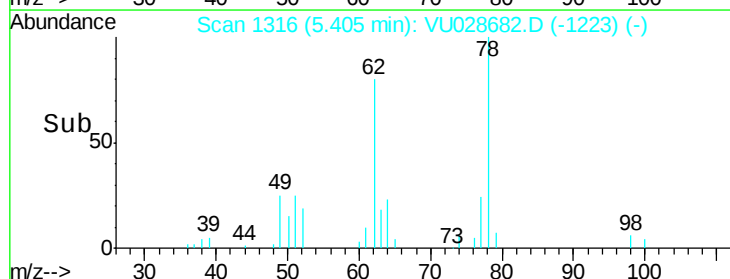
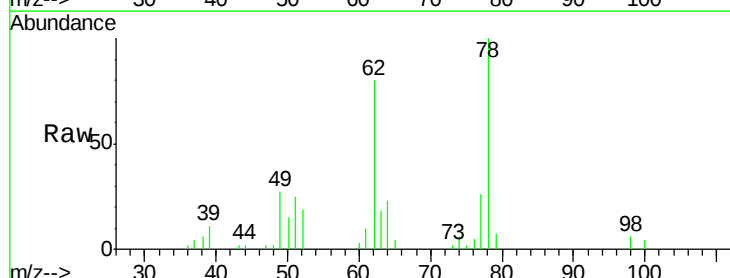
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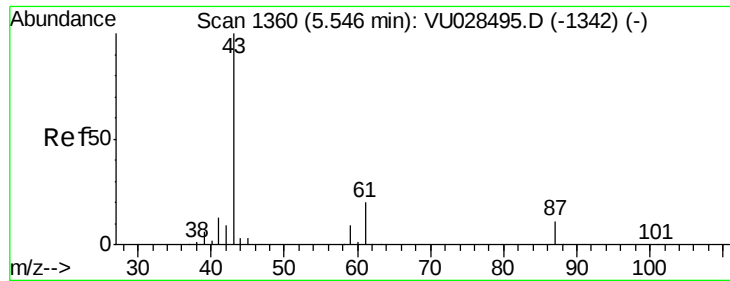
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#42
1,2-Dichloroethane
Concen: 12.387 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	17.2





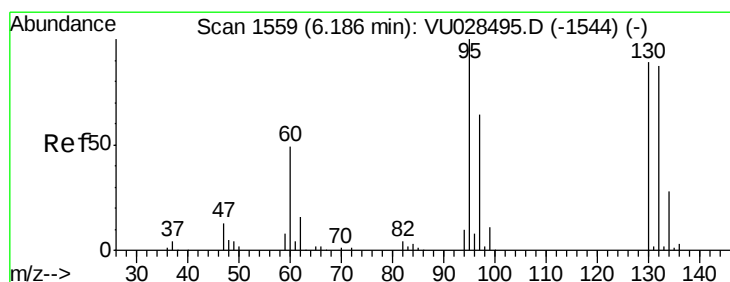
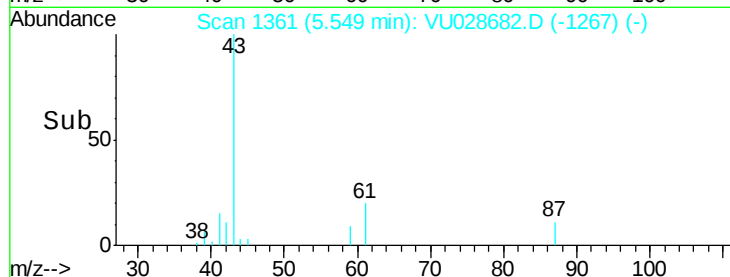
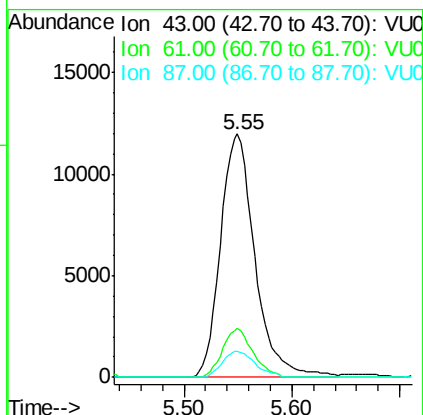
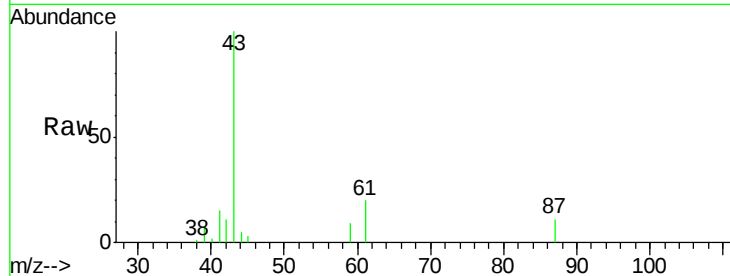
#43
Isopropyl Acetate
Concen: 11.765 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.5	15.5	23.3
87	10.1	8.7	13.1

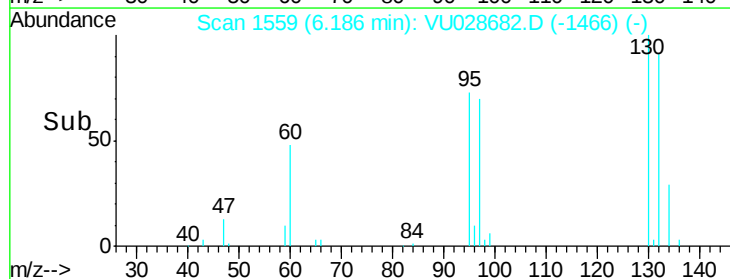
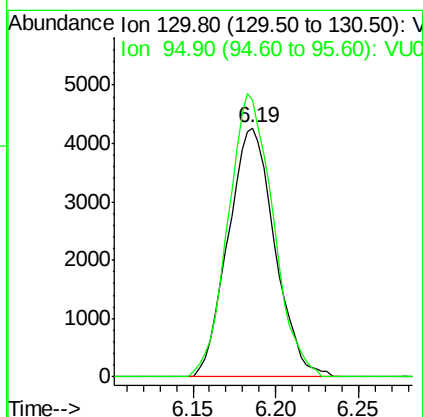
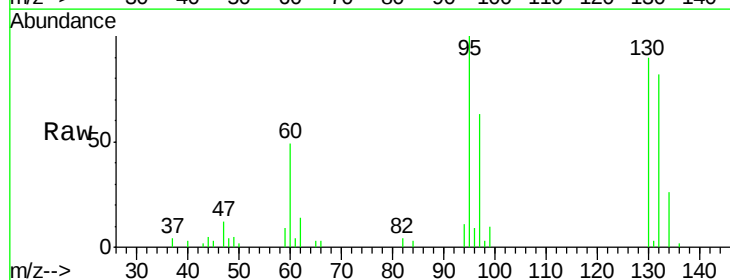
Manual Integrations
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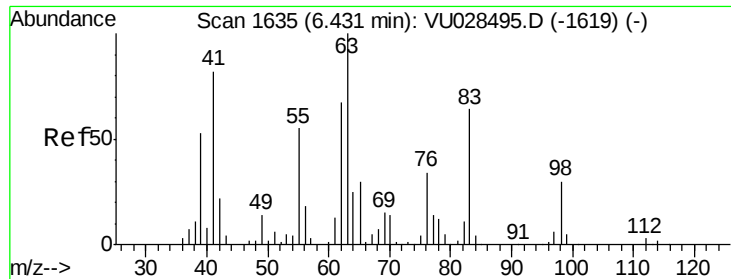
MMDadoda
12/17/2018 9:48:40 AM



#44
Trichloroethene
Concen: 11.466 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.2	0.0	224.0





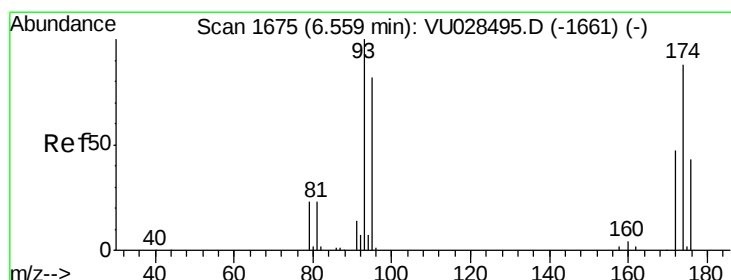
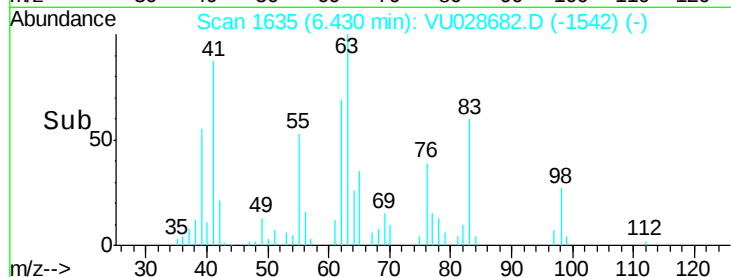
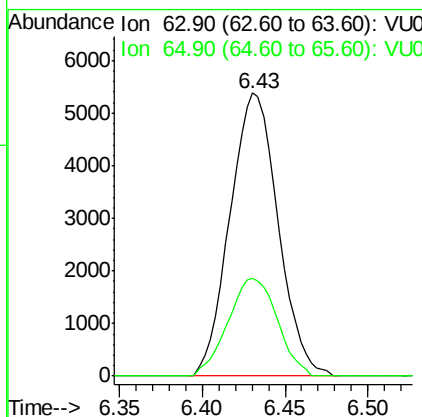
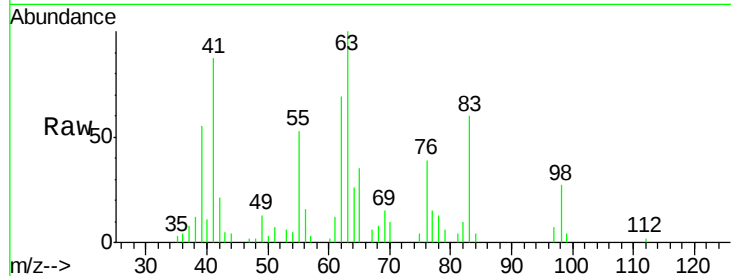
#45
 1,2-Dichloropropane
 Concen: 11.831 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Tgt Ion: 63 Resp: 10838
 Ion Ratio Lower Upper
 63 100
 65 34.7 24.2 36.4

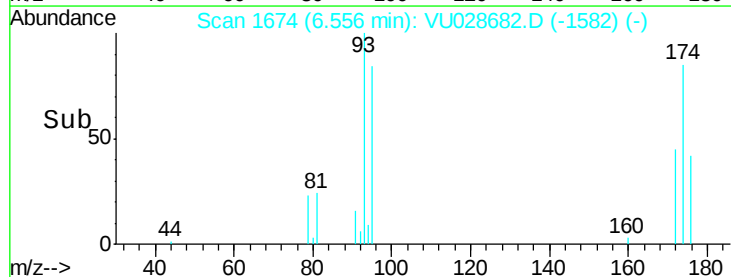
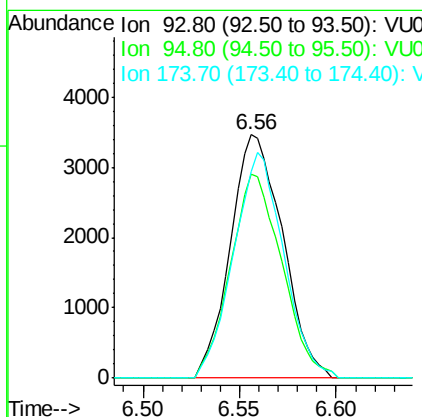
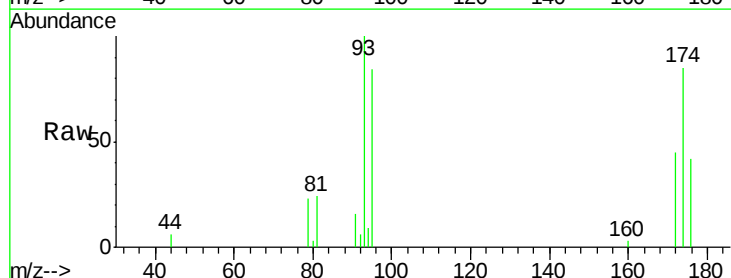
Manual Integrations
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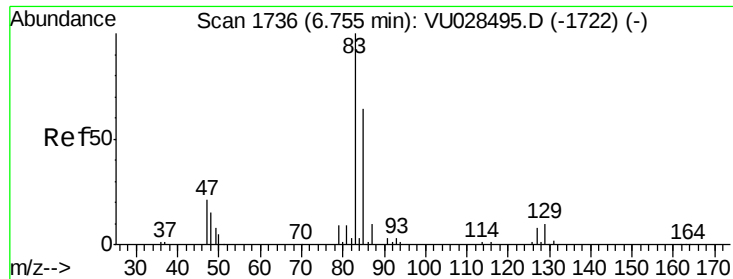
MMDadoda
 12/17/2018 9:48:40 AM



#46
 Dibromomethane
 Concen: 11.934 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 93 Resp: 6486
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.4 98.2
 174 88.9 72.2 108.4





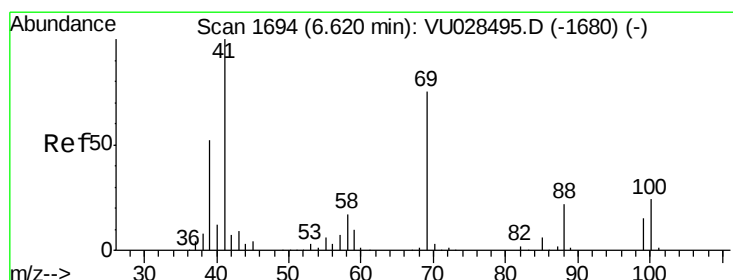
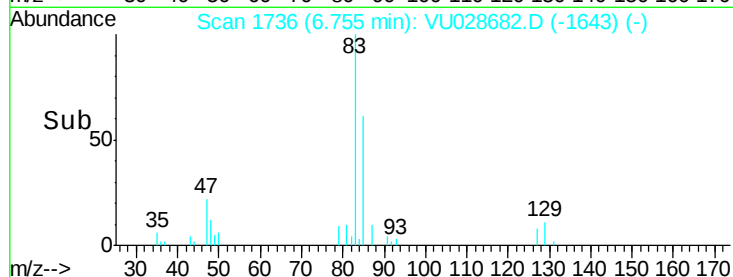
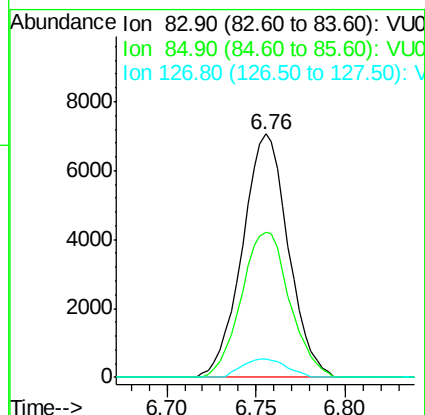
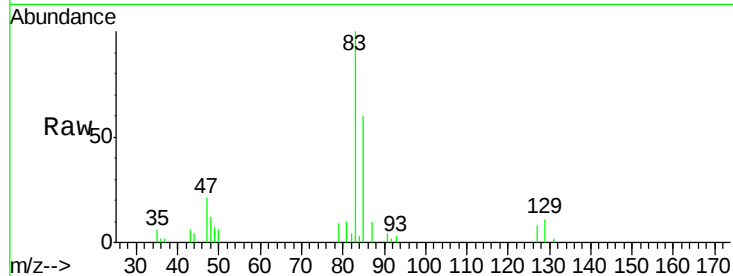
#47
Bromodichloromethane
Concen: 11.971 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	51.5	77.3
127	7.5	6.2	9.4

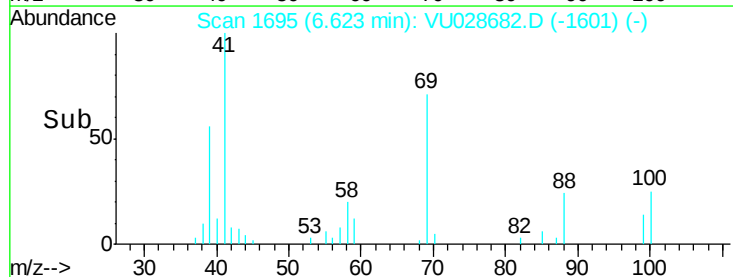
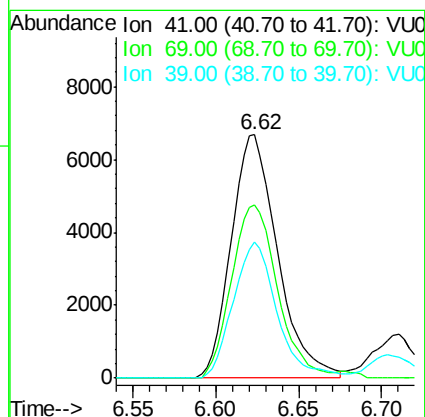
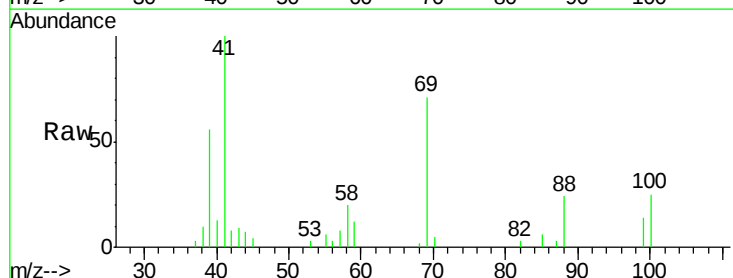
Manual Integrations
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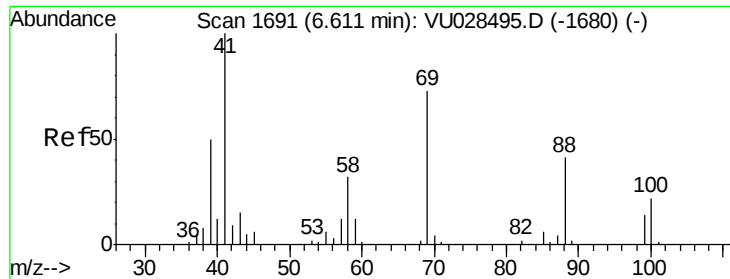
MMDadoda
12/17/2018 9:48:40 AM



#48
Methyl methacrylate
Concen: 11.578 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.2	60.4	90.6
39	52.5	41.1	61.7





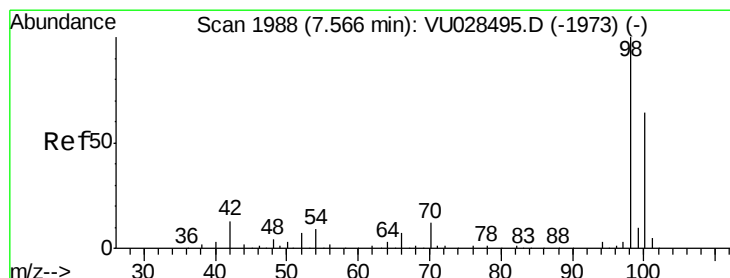
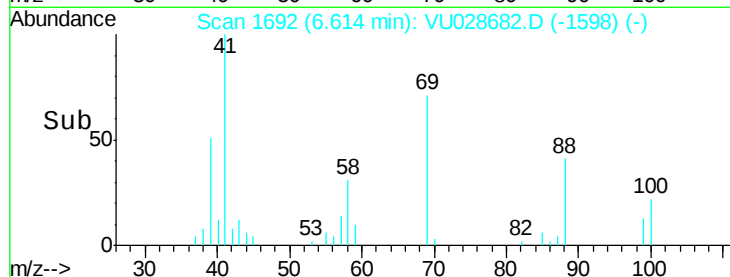
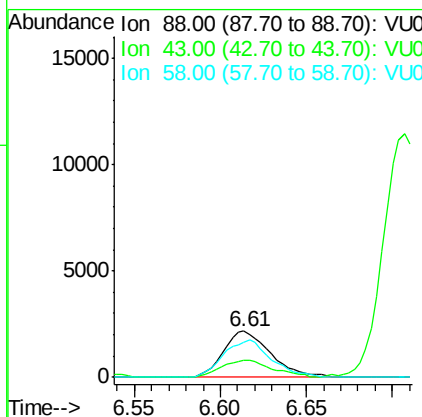
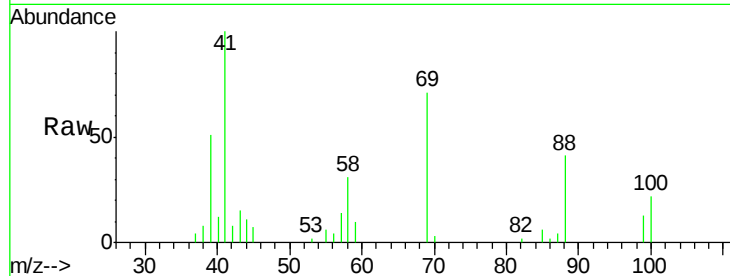
#49
1,4-Dioxane
Concen: 232.746 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 88 Resp: 4133
Ion Ratio Lower Upper
88 100
43 40.4 30.9 46.3
58 81.6 62.4 93.6

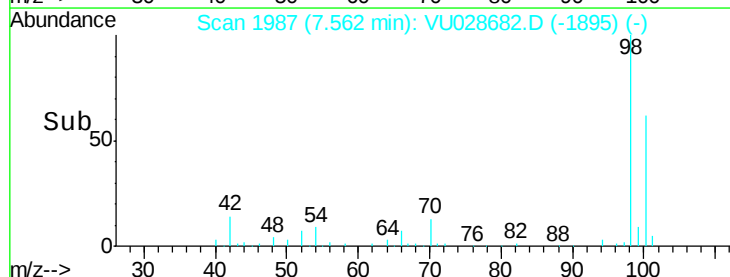
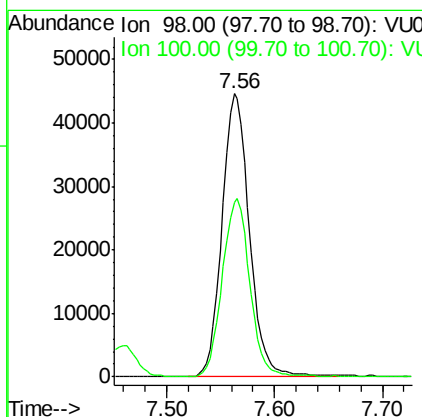
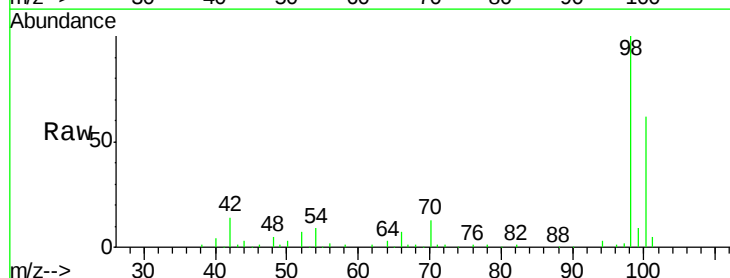
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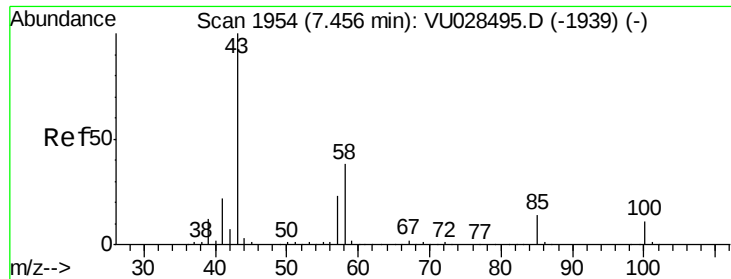
MMDadoda
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#50
Toluene-d8
Concen: 31.378 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 98 Resp: 78951
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 58.655 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 43 Resp: 83661

Ion Ratio Lower Upper

43 100

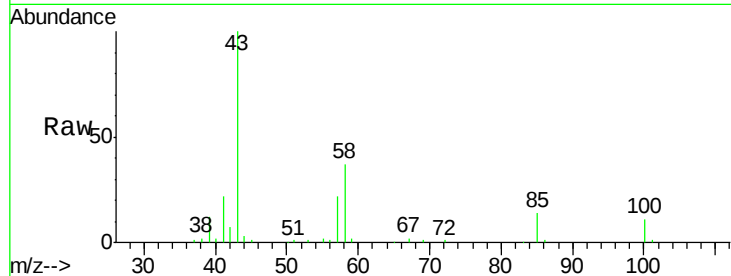
58 36.6 30.2 45.2

Manual Integrations

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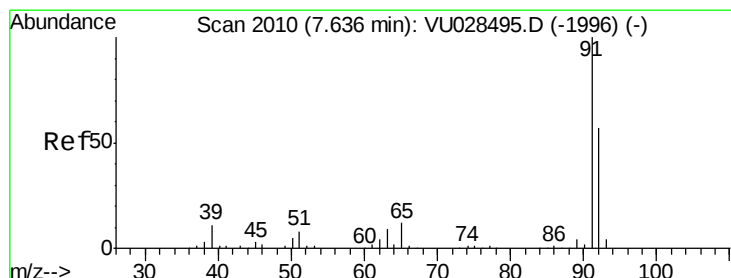
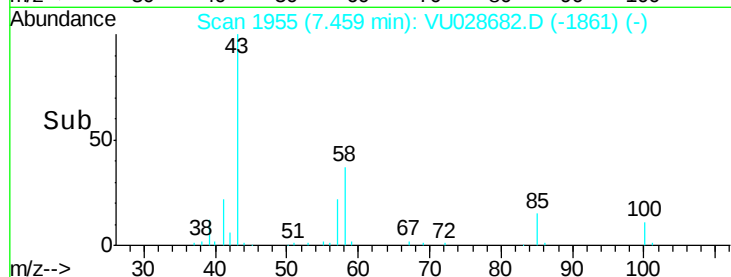
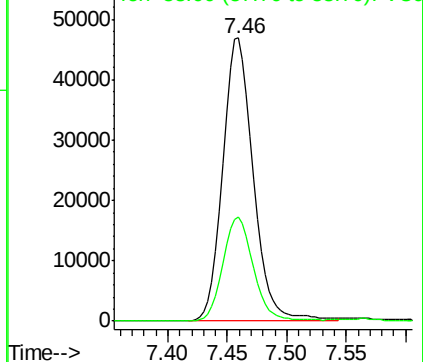
MMDadoda

12/17/2018 9:48:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 11.057 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028682.D

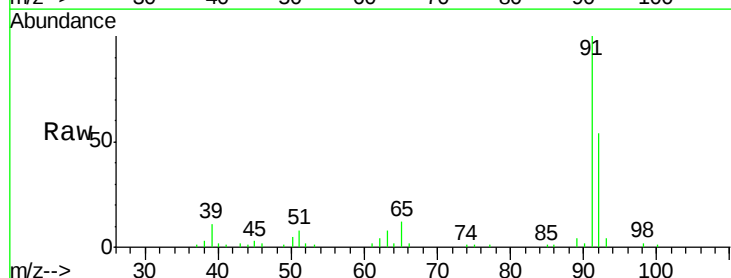
Acq: 14 Dec 2018 14:50

Tgt Ion: 92 Resp: 21197

Ion Ratio Lower Upper

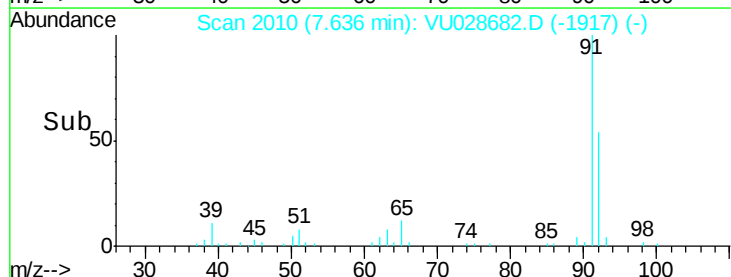
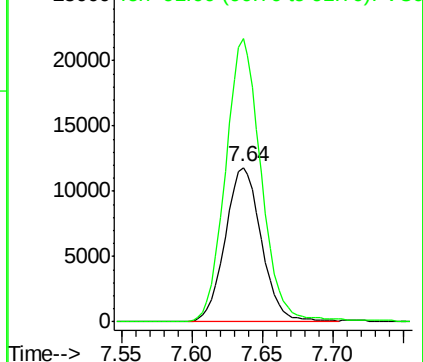
92 100

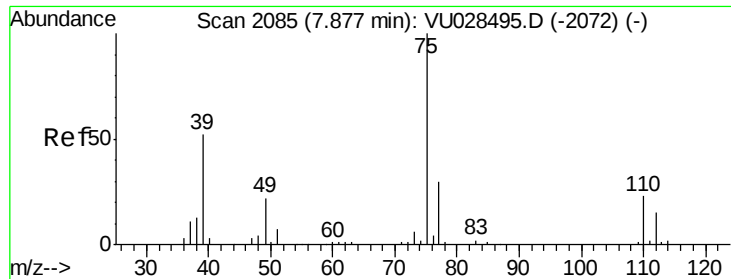
91 180.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 11.370 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 75 Resp: 14322

Ion Ratio Lower Upper

75 100

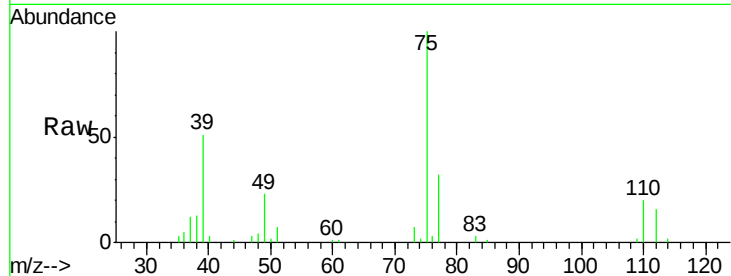
77 31.8 24.2 36.4

Manual Integrations

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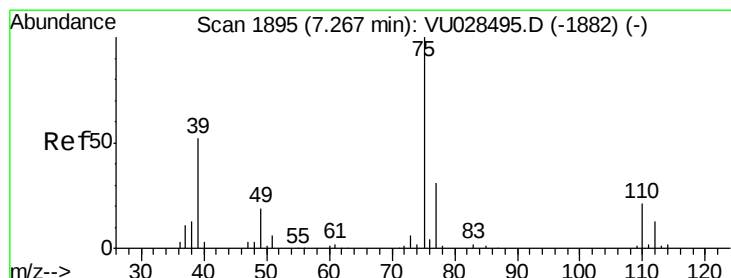
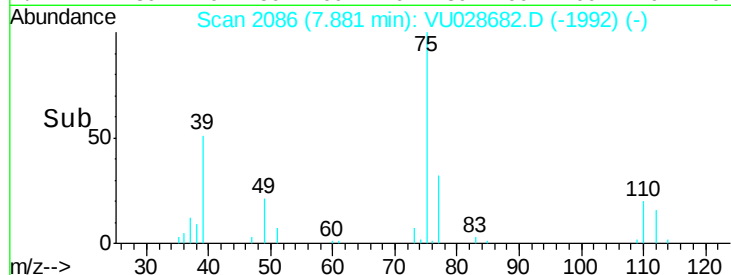
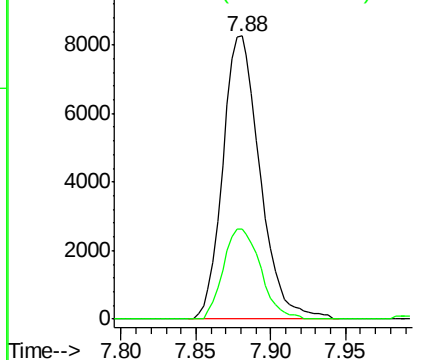
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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 11.100 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

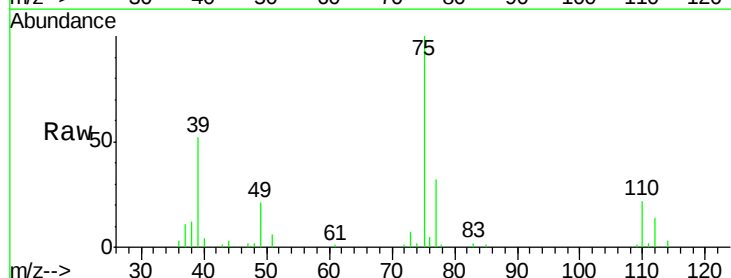
Tgt Ion: 75 Resp: 15169

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

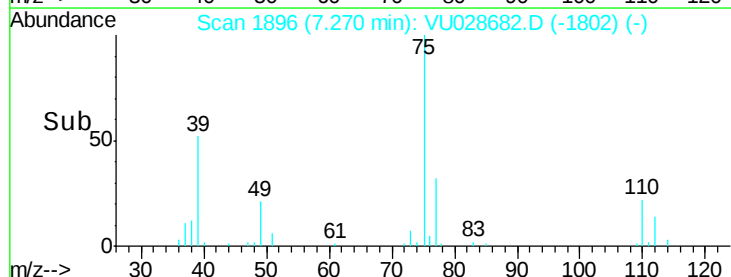
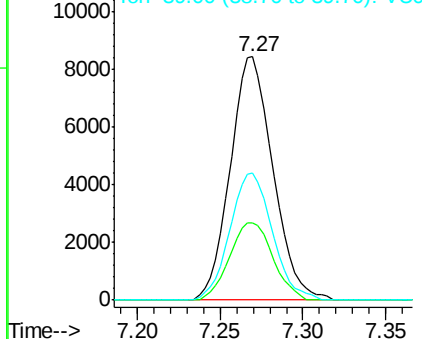
39 52.4 41.3 61.9

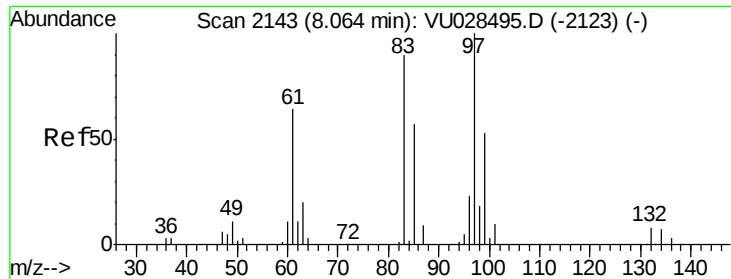


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





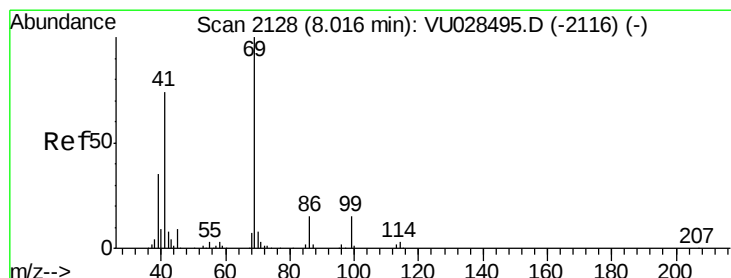
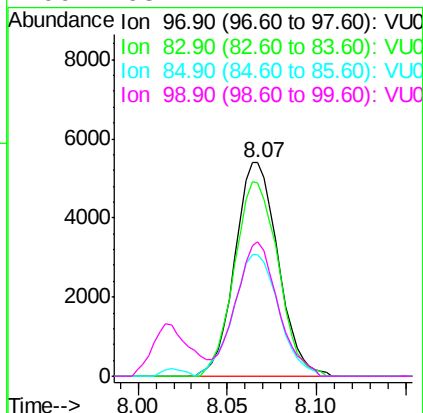
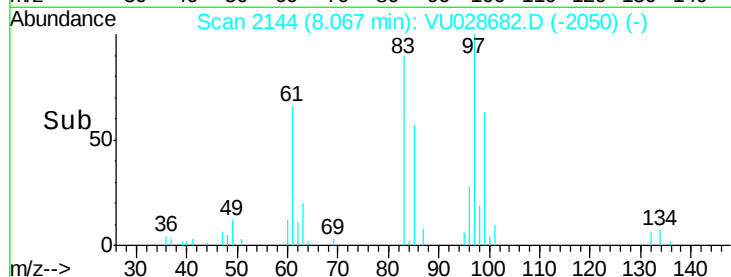
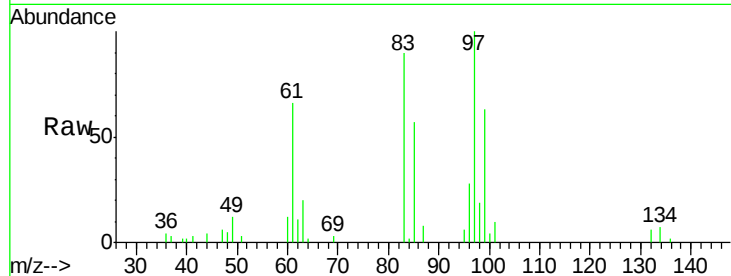
#55
1,1,2-Trichloroethane
Concen: 12.019 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion:	97	Resp:	9108
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.4	108.6
85	56.8	46.0	69.0
99	63.1	47.4	71.2

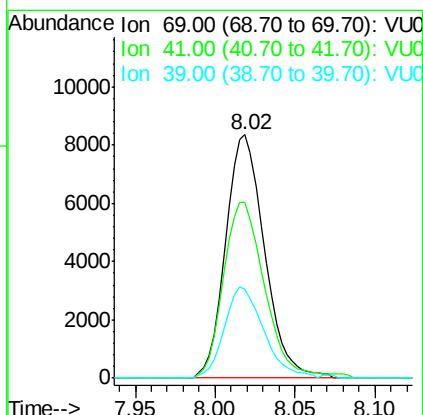
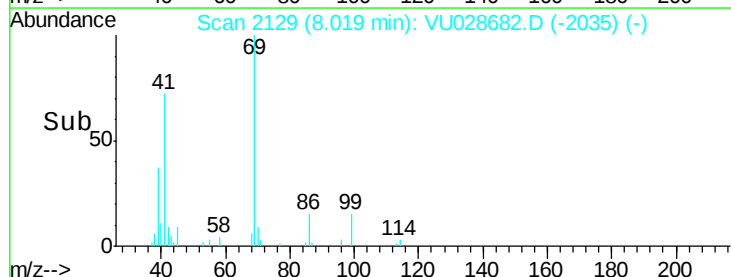
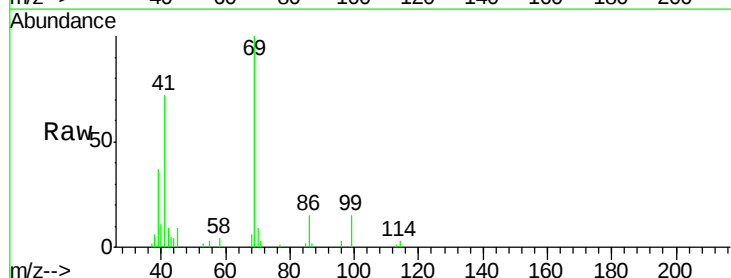
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#56
Ethyl methacrylate
Concen: 10.688 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:	69	Resp:	13870
Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.1	88.7
39	37.9	28.4	42.6





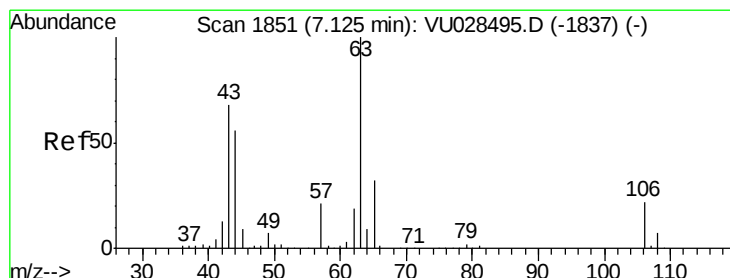
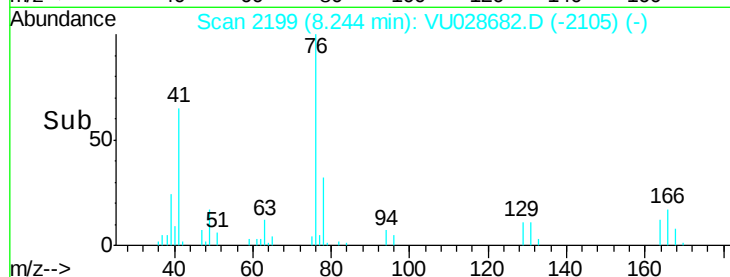
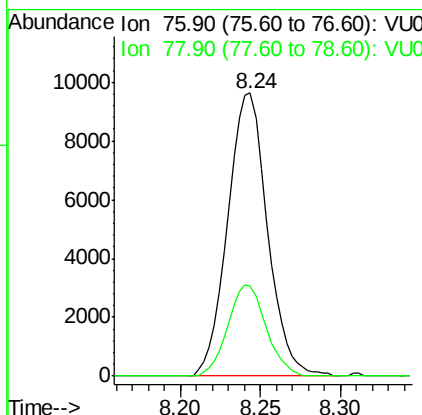
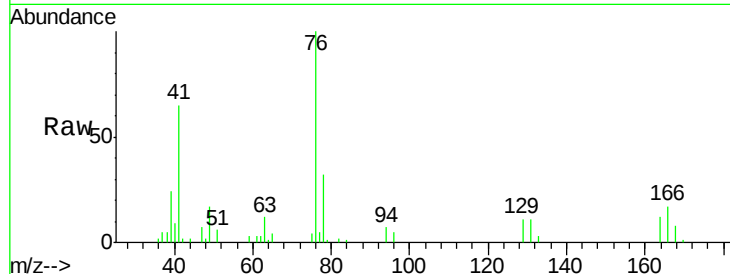
#57
 1,3-Dichloropropane
 Concen: 11.593 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Tgt Ion: 76 Resp: 16308
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.2 37.8

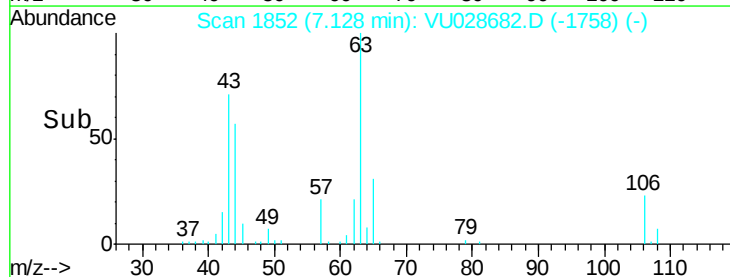
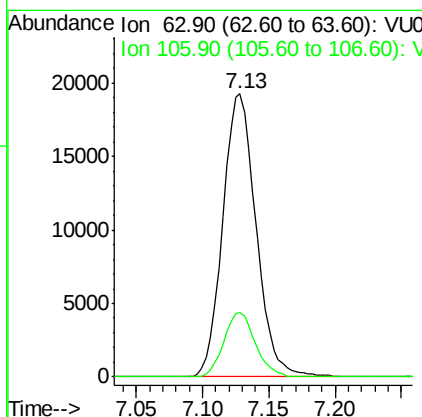
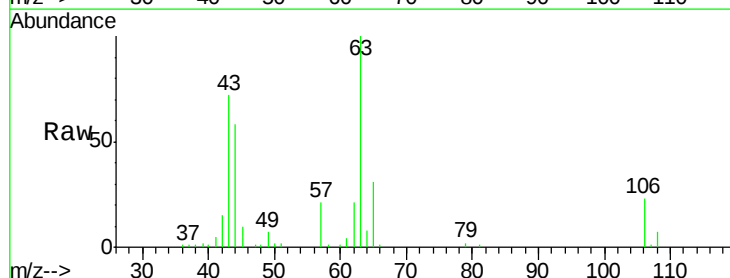
Manual Integrations
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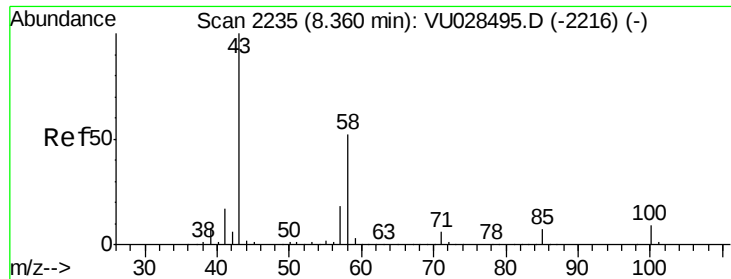
MMDadoda
 12/17/2018 9:48:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 50.615 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion: 63 Resp: 33644
 Ion Ratio Lower Upper
 63 100
 106 21.4 17.8 26.6





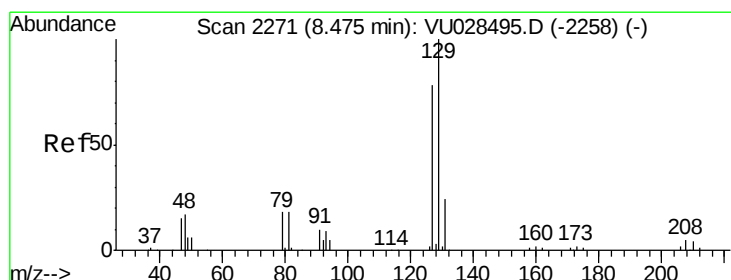
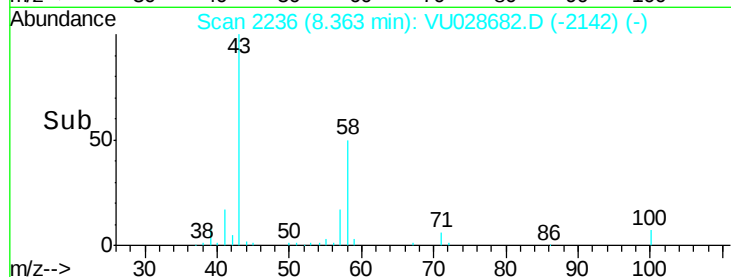
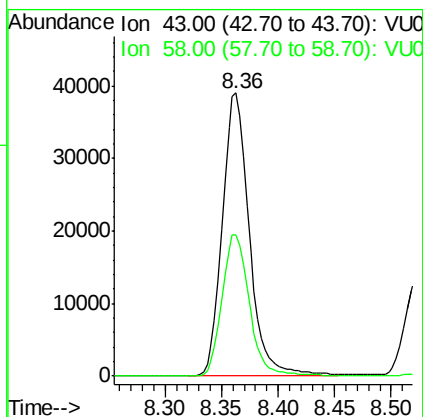
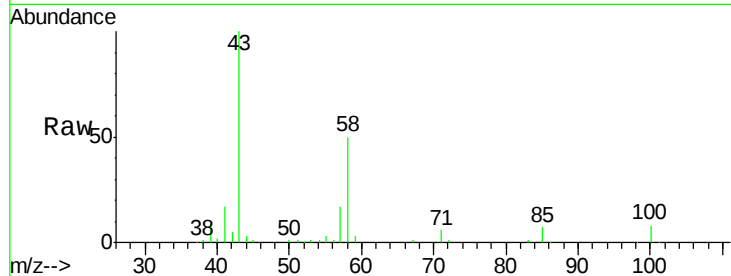
#59
2-Hexanone
Concen: 57.751 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 43 Resp: 65289
Ion Ratio Lower Upper
43 100
58 50.3 25.9 77.6

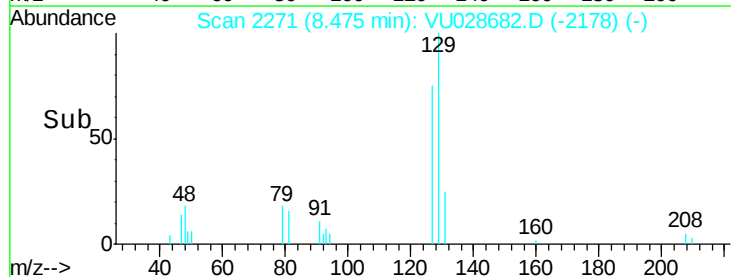
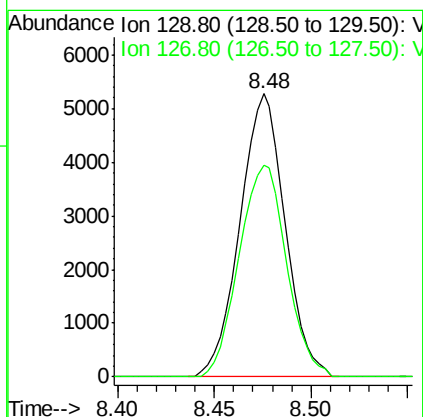
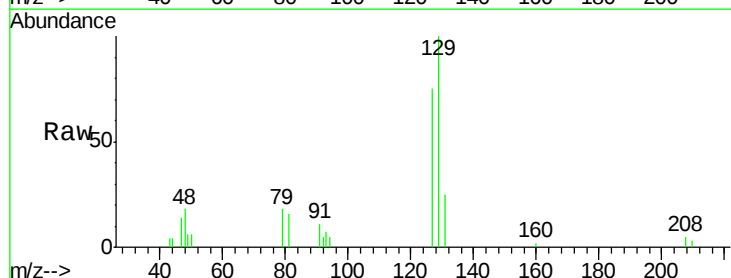
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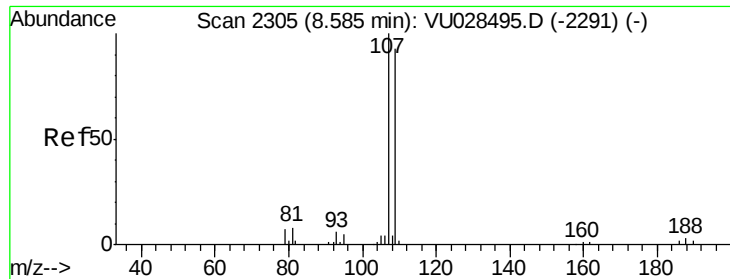
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#60
Dibromochloromethane
Concen: 11.522 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 129 Resp: 8549
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





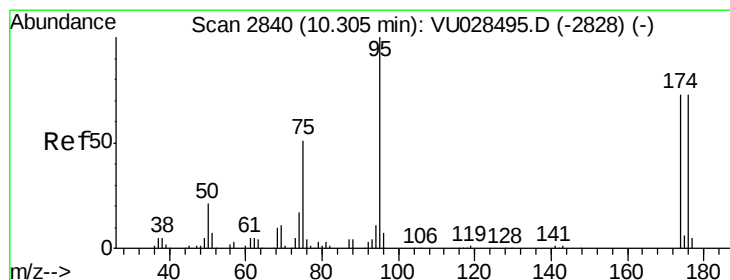
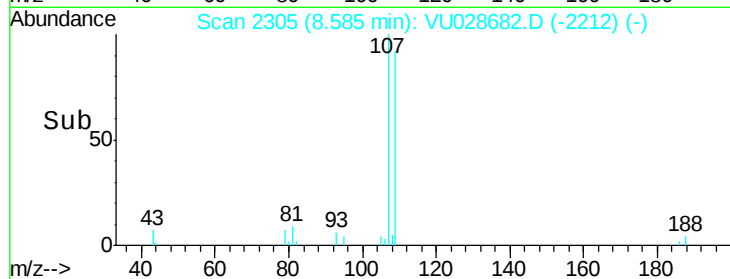
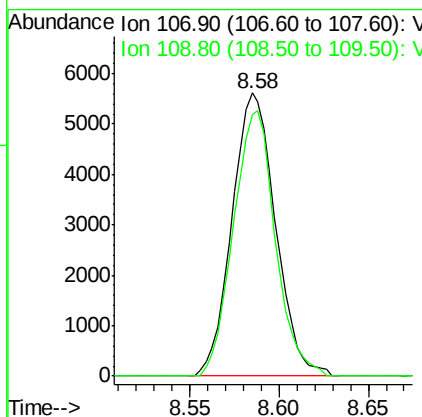
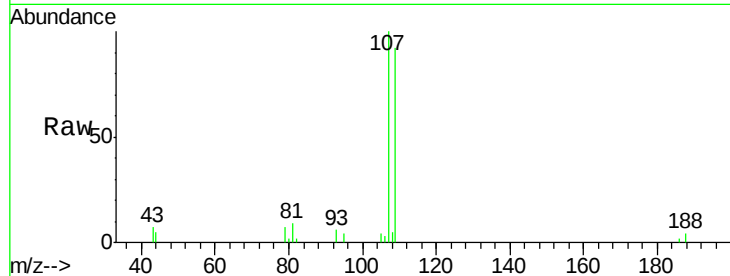
#61
1,2-Dibromoethane
Concen: 12.018 ug/l
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 107 Resp: 9551
Ion Ratio Lower Upper
107 100
109 90.5 74.5 111.7

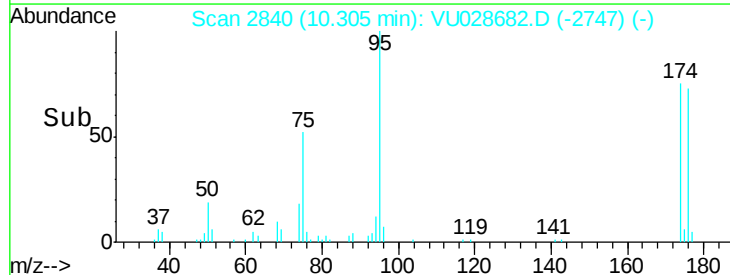
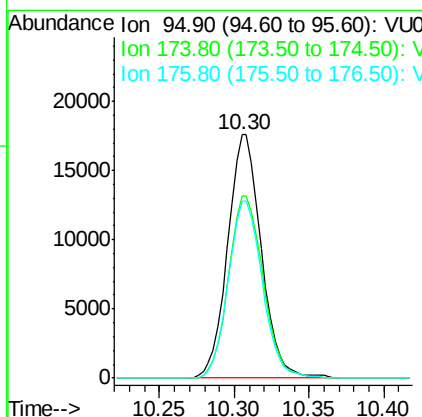
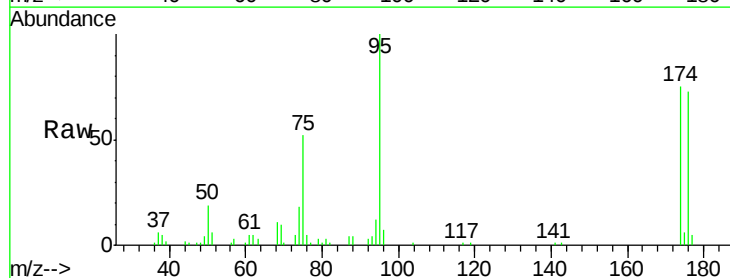
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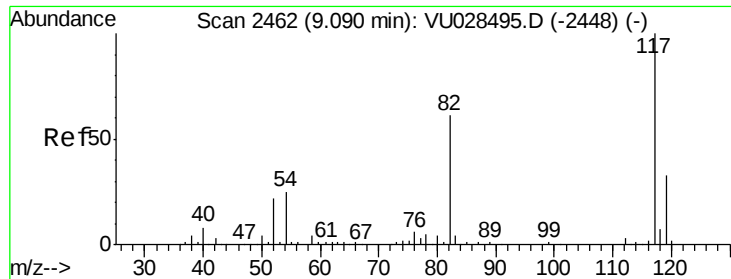
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#62
4-Bromofluorobenzene
Concen: 29.204 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 95 Resp: 27465
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.4
176 74.0 0.0 145.2





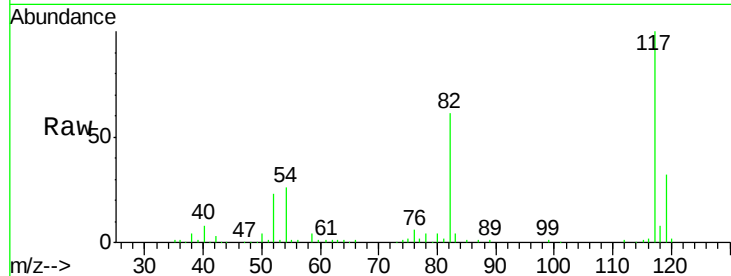
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

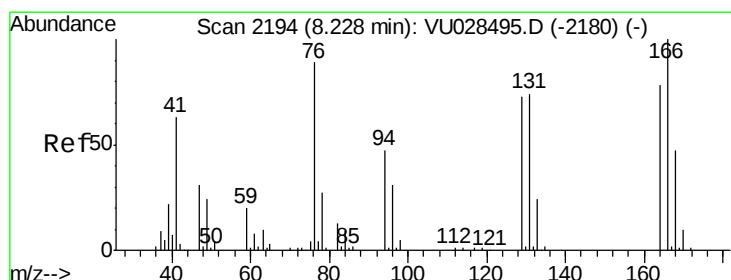
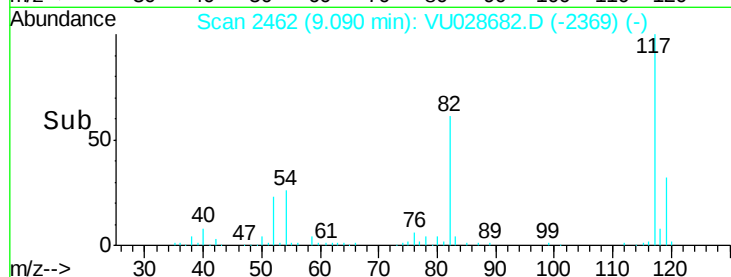
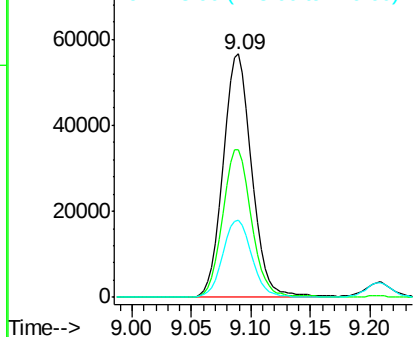
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.7	48.9	73.3
119	31.7	26.2	39.4

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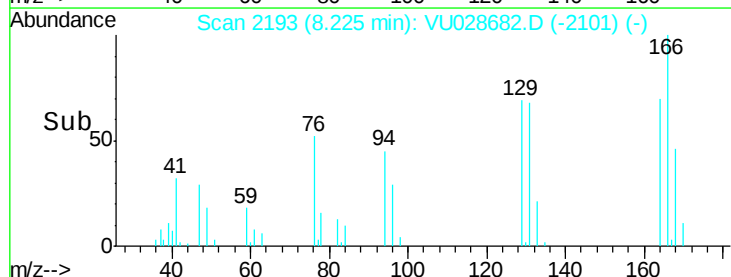
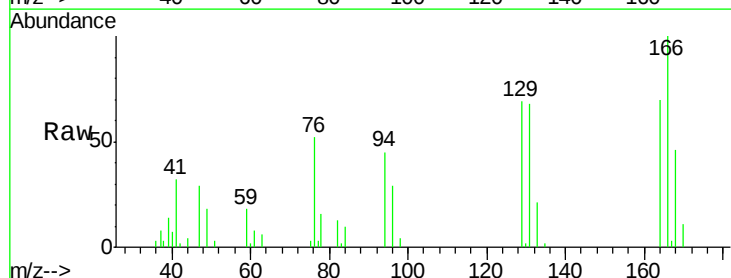
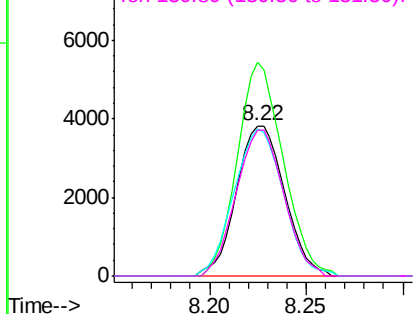
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

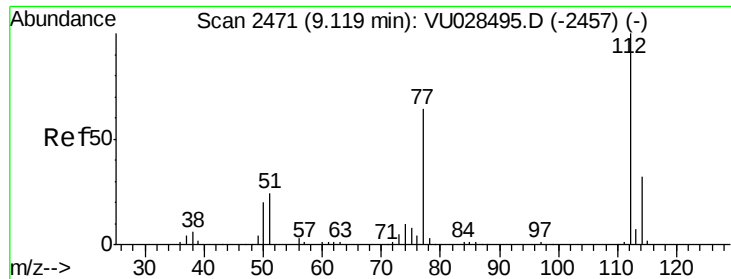


#64
Tetrachloroethene
Concen: 10.526 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	142.3	101.9	152.9
129	97.7	74.9	112.3
131	97.3	75.4	113.0

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





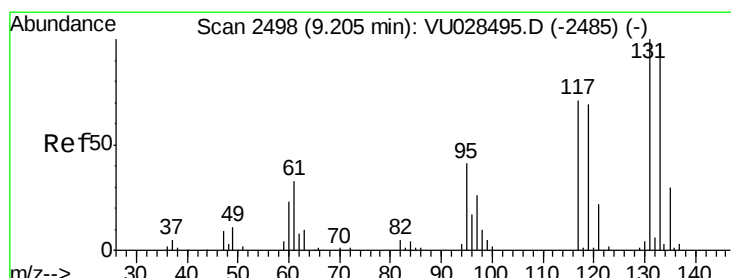
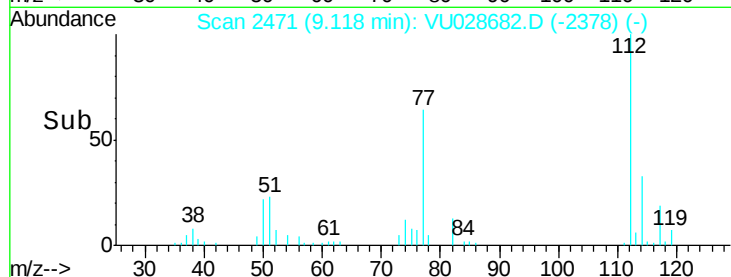
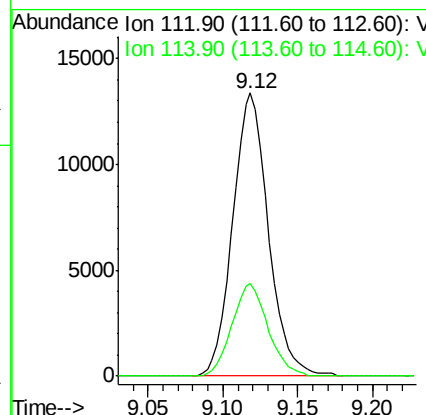
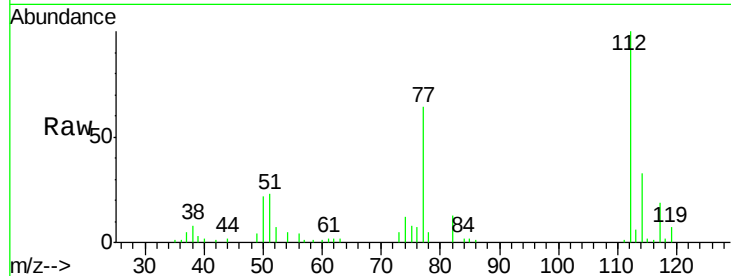
#65
Chlorobenzene
Concen: 10.983 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion:112 Resp: 22110
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9

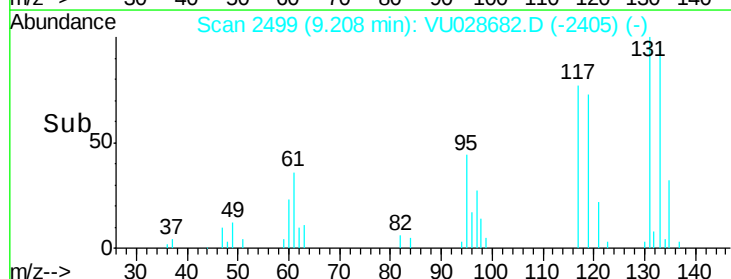
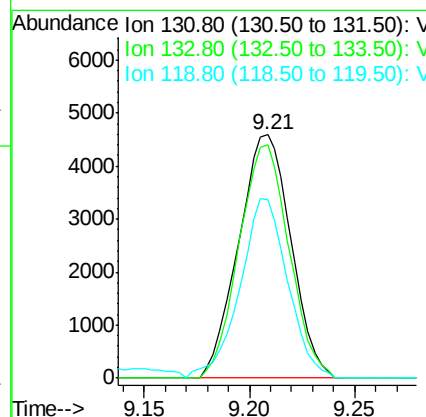
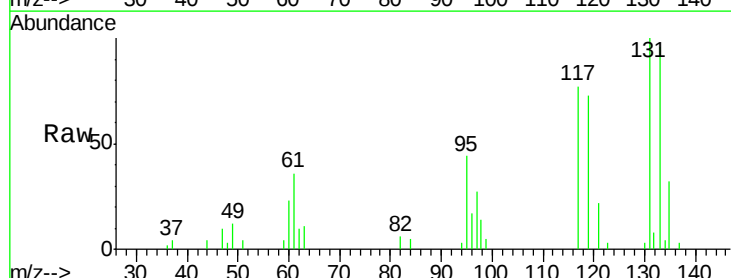
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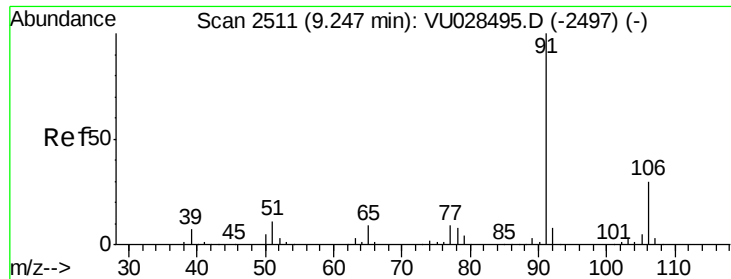
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#66
1,1,1,2-Tetrachloroethane
Concen: 12.300 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:131 Resp: 7907
Ion Ratio Lower Upper
131 100
133 91.7 48.0 144.0
119 67.3 34.6 103.9





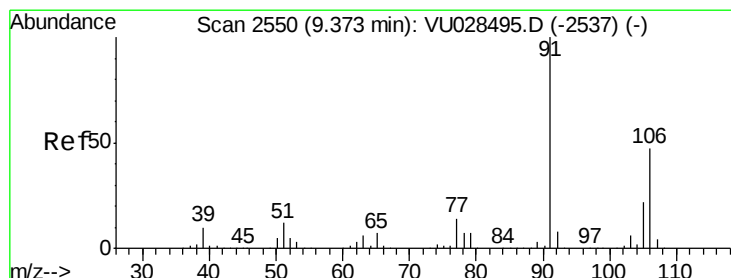
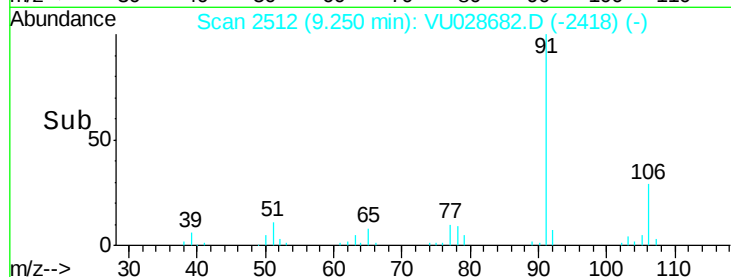
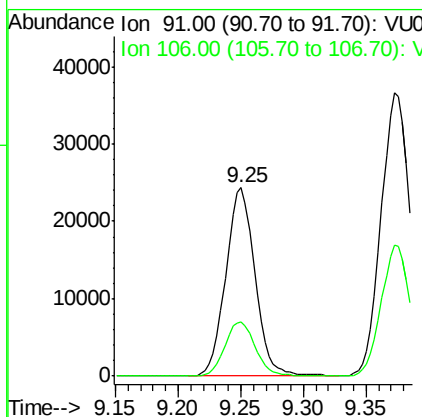
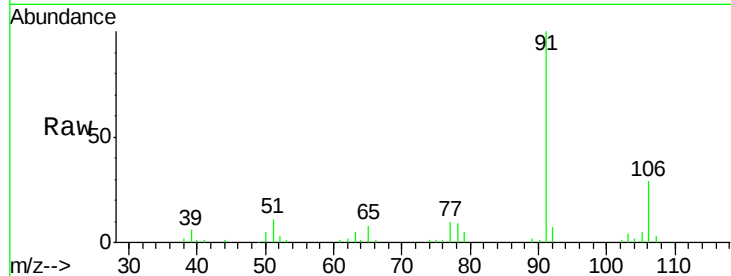
#67
Ethyl Benzene
Concen: 10.694 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion: 91 Resp: 39574
Ion Ratio Lower Upper
91 100
106 28.7 24.1 36.1

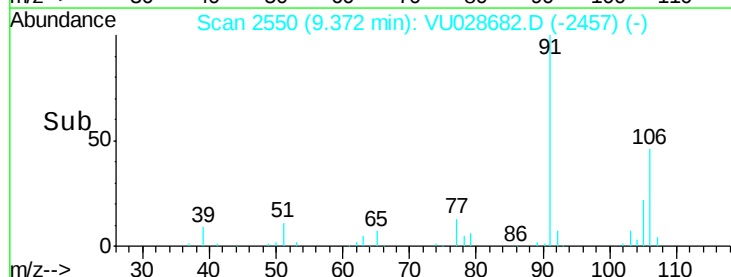
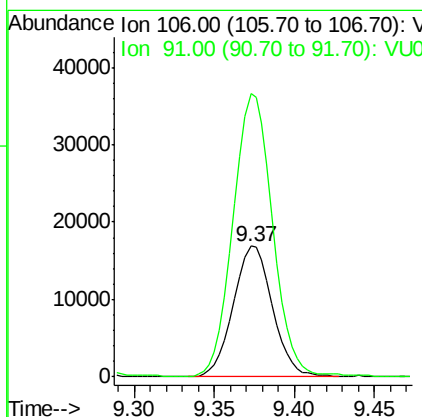
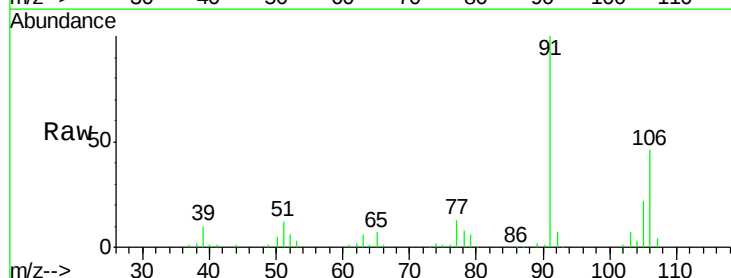
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#68
m/p-Xylenes
Concen: 21.002 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion: 106 Resp: 28280
Ion Ratio Lower Upper
106 100
91 218.4 167.4 251.0





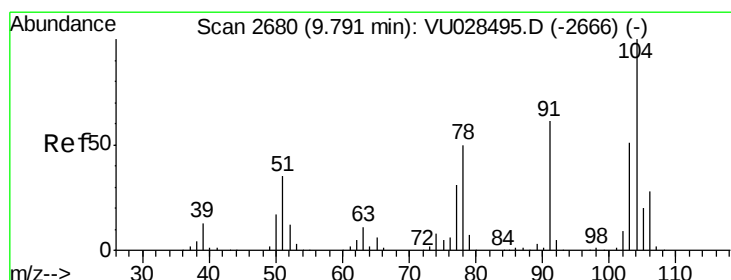
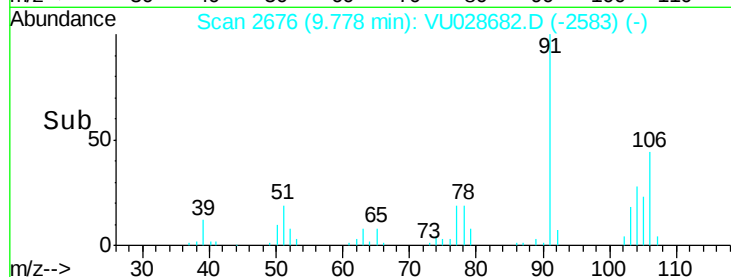
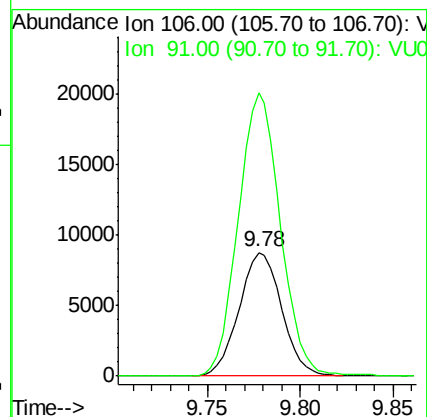
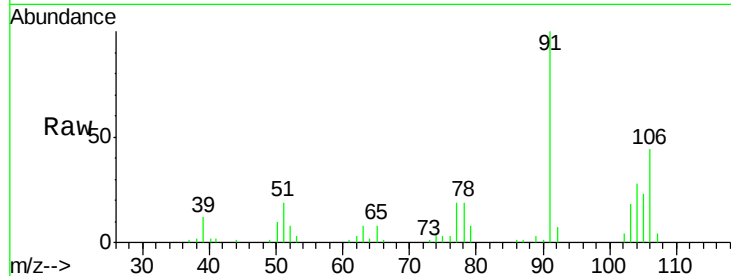
#69
o-Xylene
Concen: 10.650 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion:106 Resp: 13936
Ion Ratio Lower Upper
106 100
91 226.4 111.3 334.0

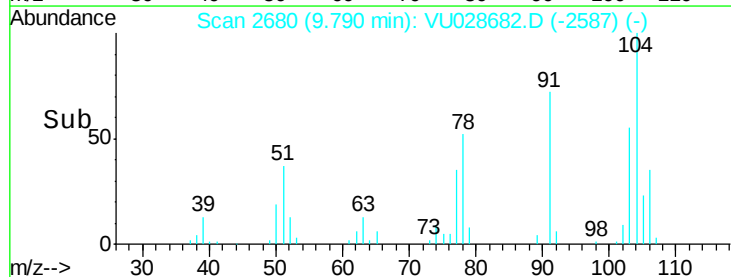
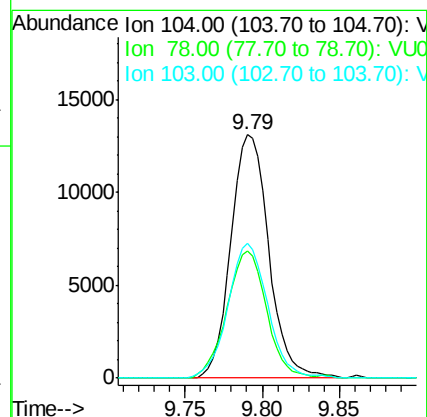
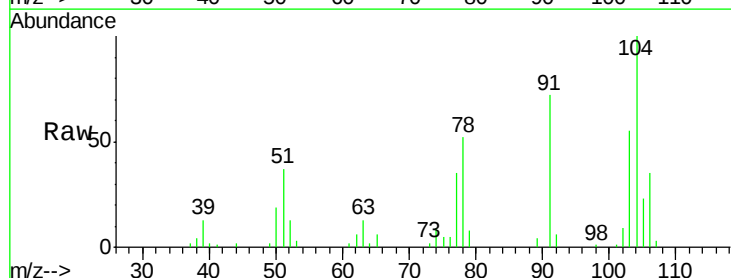
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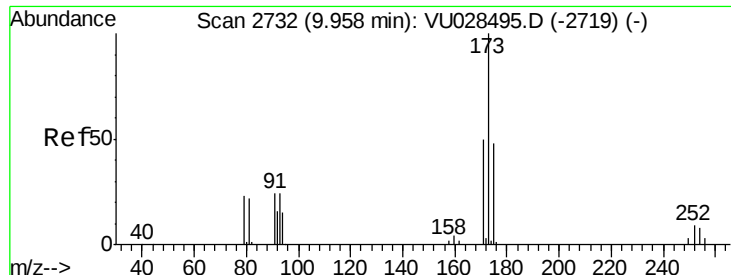
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#70
Styrene
Concen: 10.296 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion:104 Resp: 22296
Ion Ratio Lower Upper
104 100
78 54.4 43.0 64.6
103 58.0 44.2 66.4





#71

Bromoform

Concen: 11.855 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

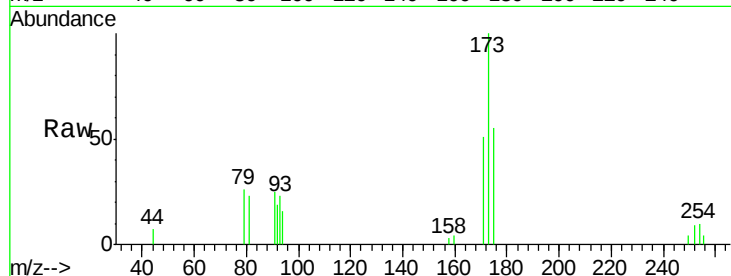
ClientSampleId :

VU1215WBS01

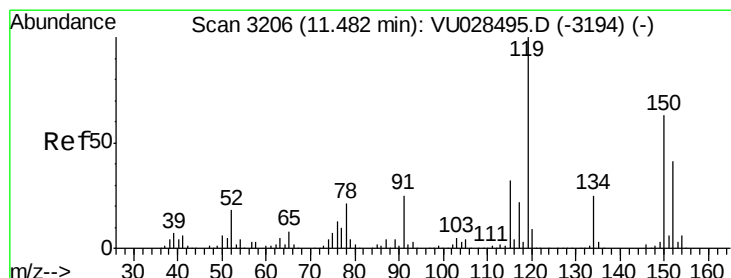
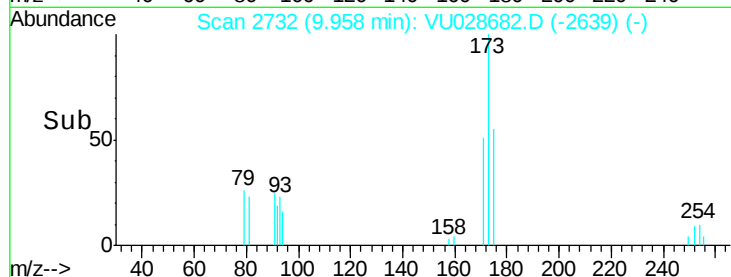
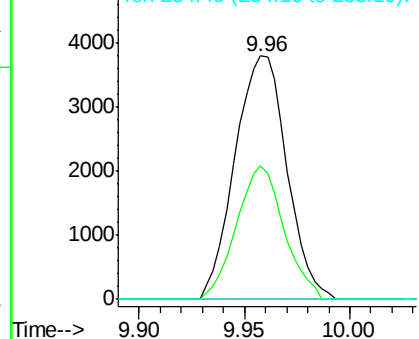
Tgt Ion:	173	Resp:	6483
Ion Ratio	Lower	Upper	
173	100		
175	50.0	23.9	71.8
254	0.0	0.0	0.0

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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

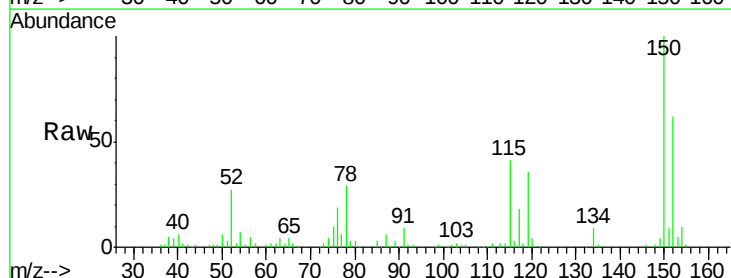
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

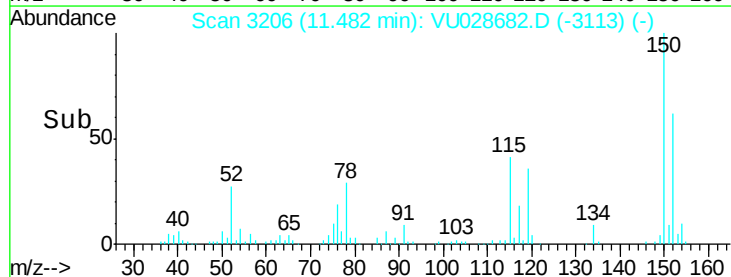
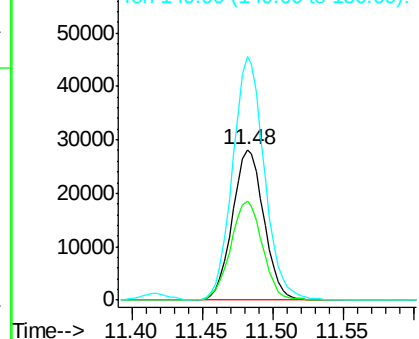
Lab File: VU028682.D

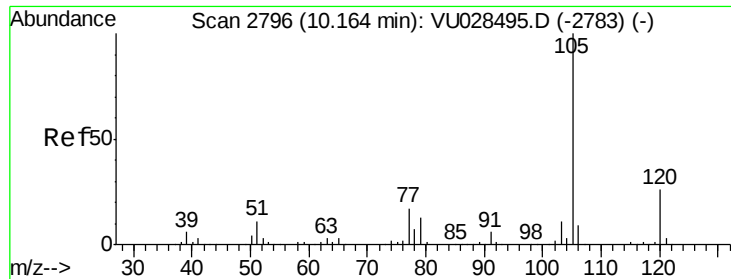
Acq: 14 Dec 2018 14:50

Tgt Ion:	152	Resp:	44026
Ion Ratio	Lower	Upper	
152	100		
115	66.3	42.7	128.1
150	163.3	0.0	346.0



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: 10.772 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 105 Resp: 36392

Ion Ratio Lower Upper

105 100

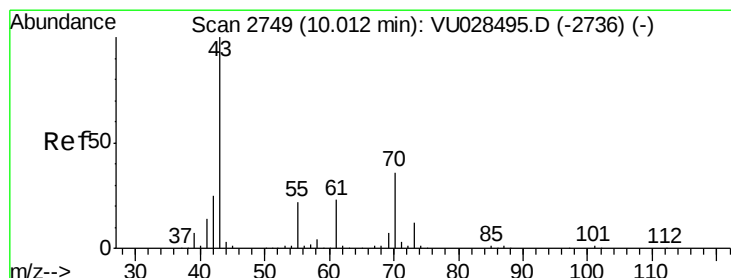
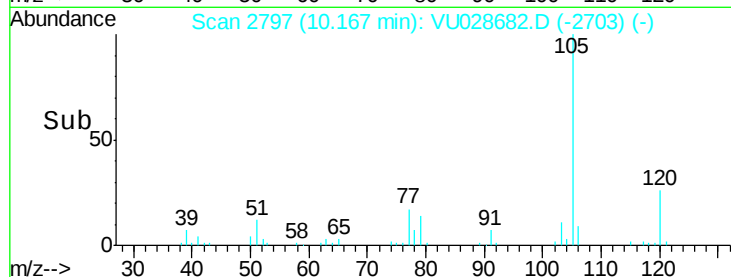
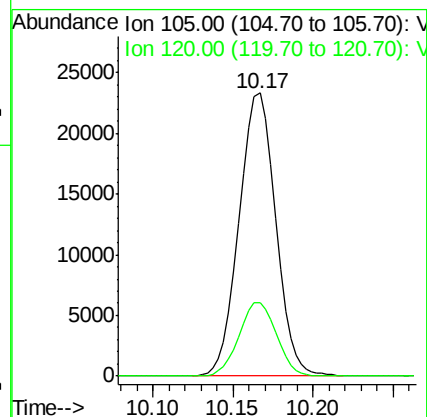
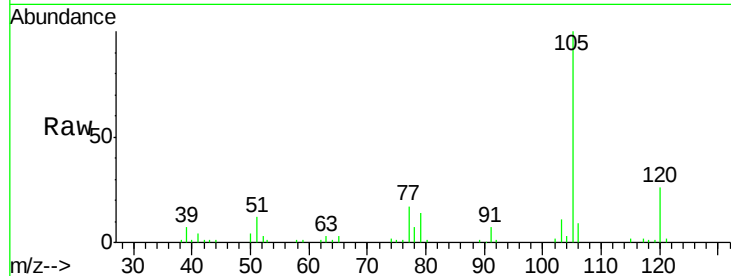
120 26.4 12.9 38.6

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#74

N-ethyl acetate

Concen: 11.236 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion: 43 Resp: 21896

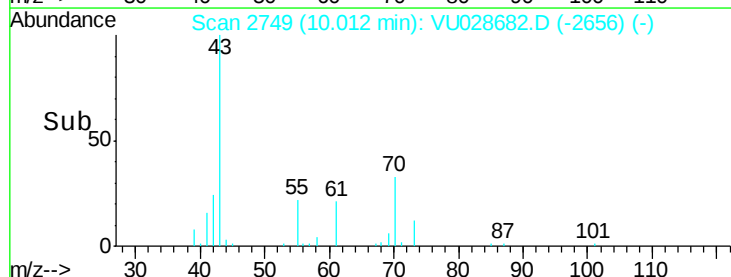
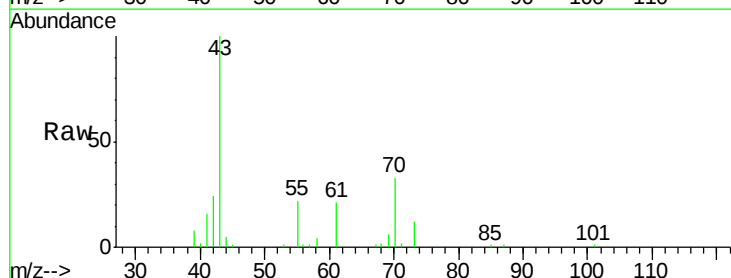
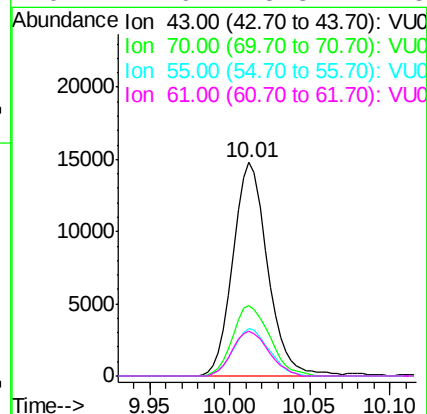
Ion Ratio Lower Upper

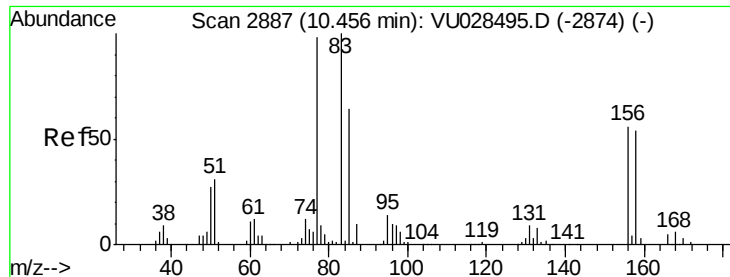
43 100

70 35.1 29.3 43.9

55 22.5 18.0 27.0

61 21.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 12.597 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

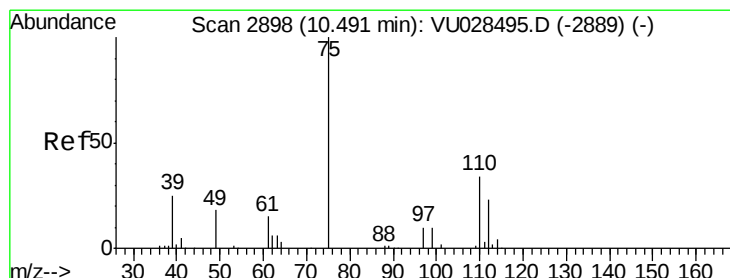
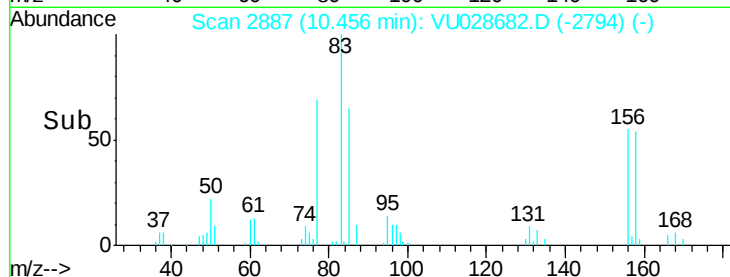
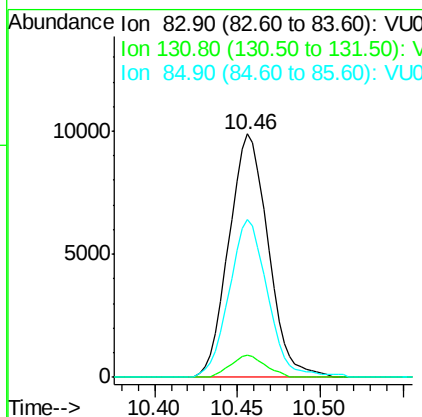
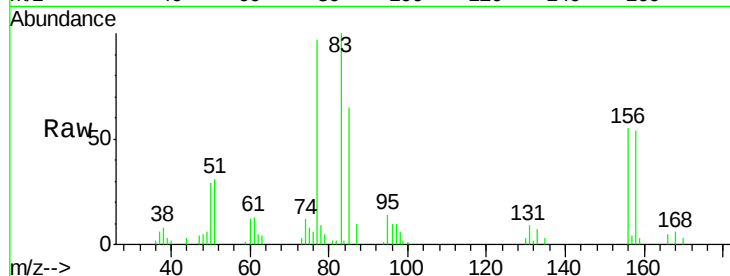
ClientSampleId :

VU1215WBS01

Tgt Ion:	83	Resp:	16348
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.2	12.4
85	63.5	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 11.783 ug/l m

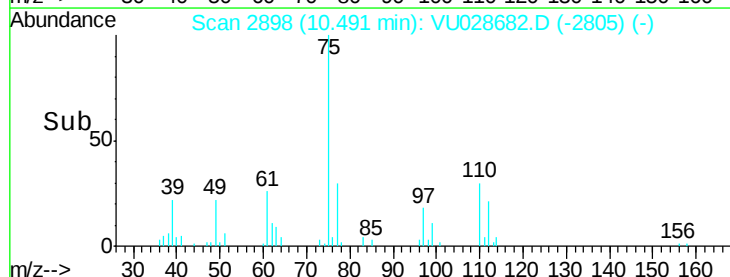
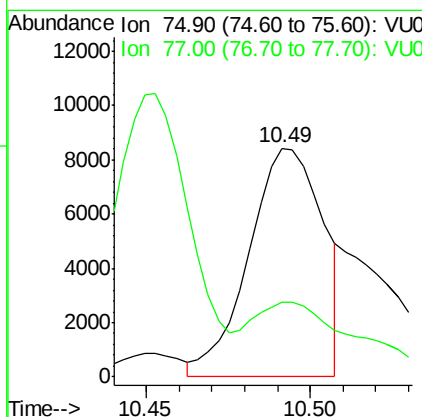
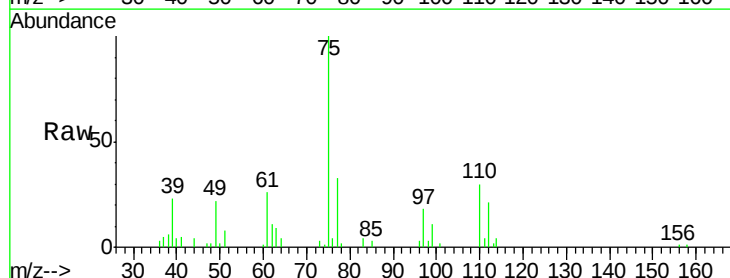
RT: 10.49 min Scan# 2898

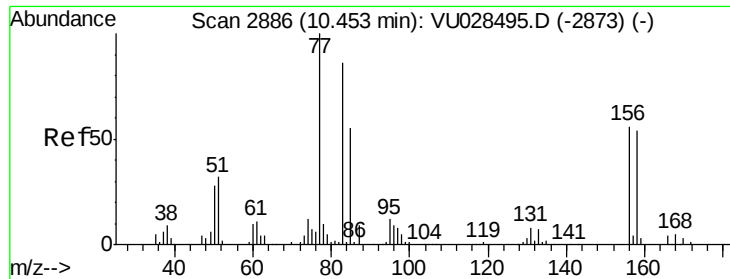
Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion:	75	Resp:	13247
Ion Ratio	Lower	Upper	
75	100		
77	46.1	20.8	62.4





#77

Bromobenzene

Concen: 11.821 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

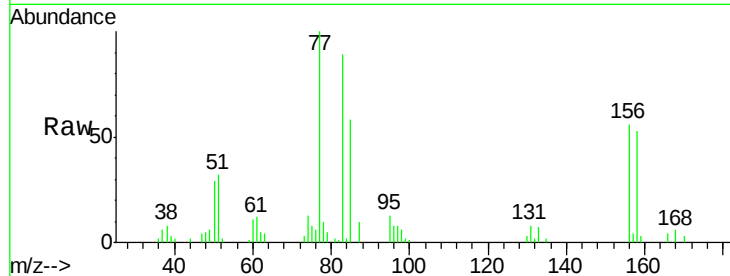
ClientSampleId :

VU1215WBS01

Tgt Ion:	156	Resp:	9340
Ion Ratio	Lower	Upper	
156	100		
77	181.8	92.4	277.2
158	96.3	48.4	145.3

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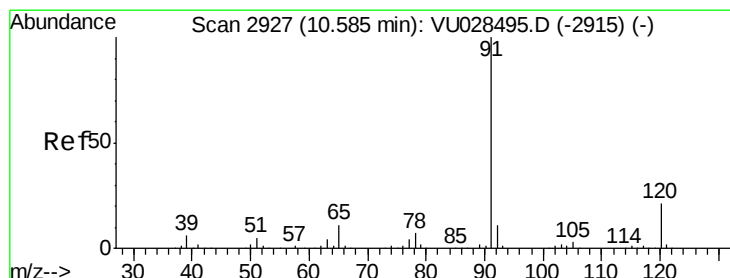
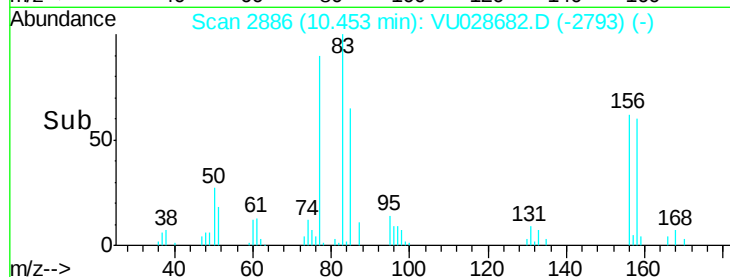
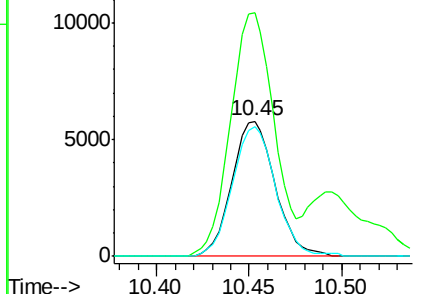
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.749 ug/l

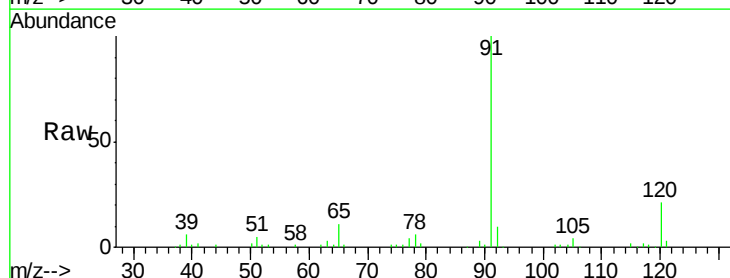
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028682.D

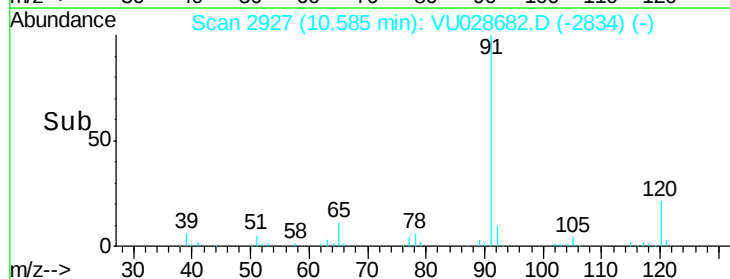
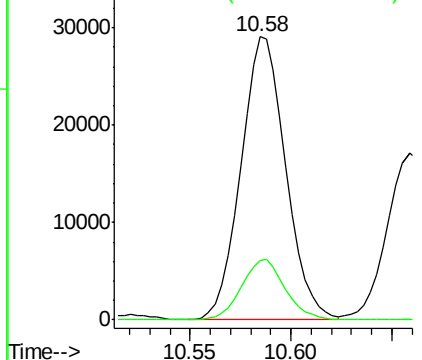
Acq: 14 Dec 2018 14:50

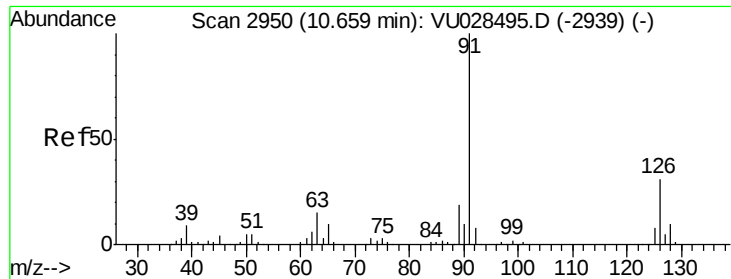
Tgt Ion:	91	Resp:	45123
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.543 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS01

Tgt Ion: 91 Resp: 27912

Ion Ratio Lower Upper

91 100

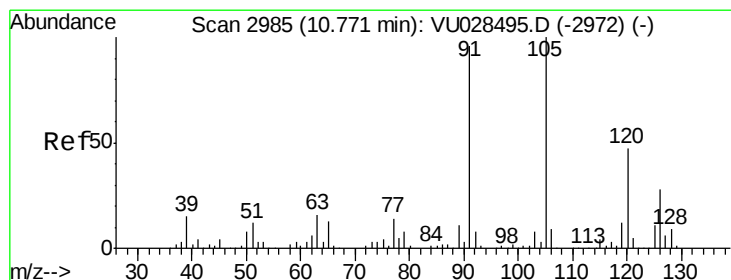
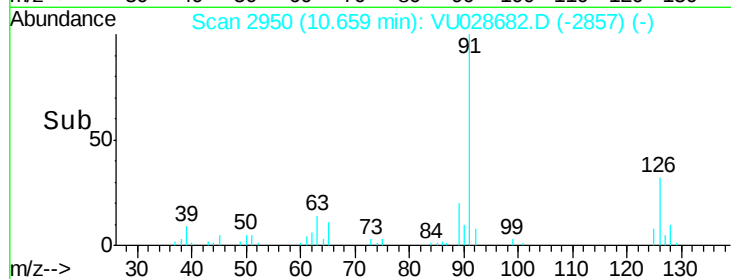
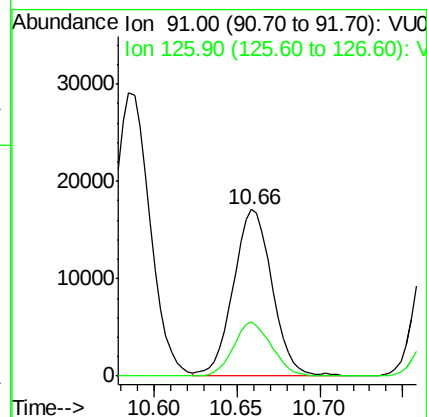
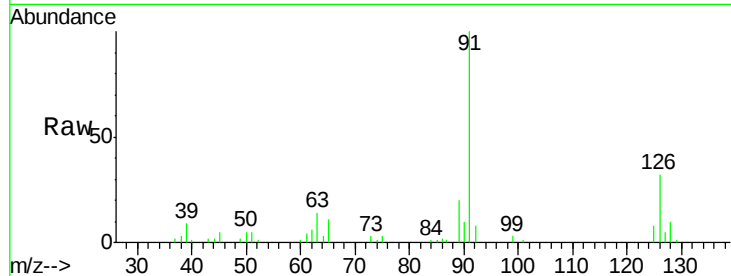
126 31.7 15.6 46.8

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#80

1,3,5-Trimethylbenzene

Concen: 11.043 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028682.D

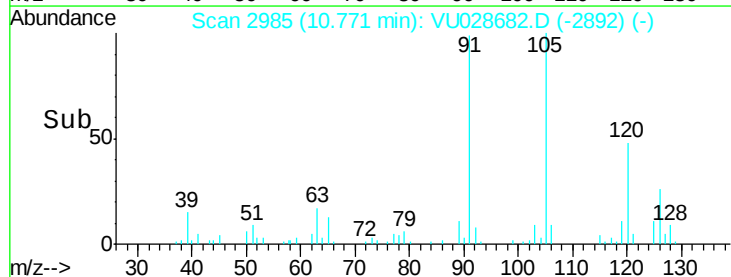
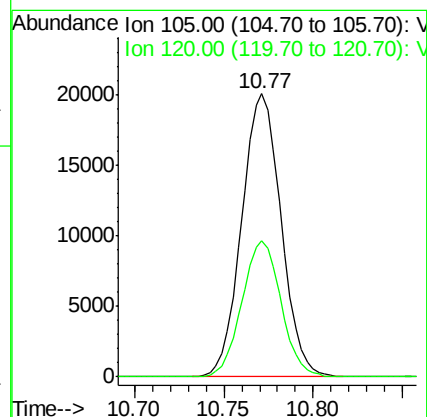
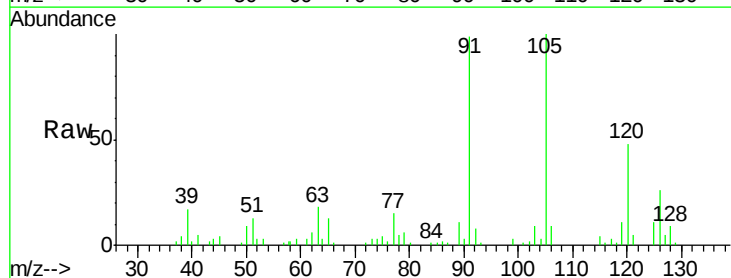
Acq: 14 Dec 2018 14:50

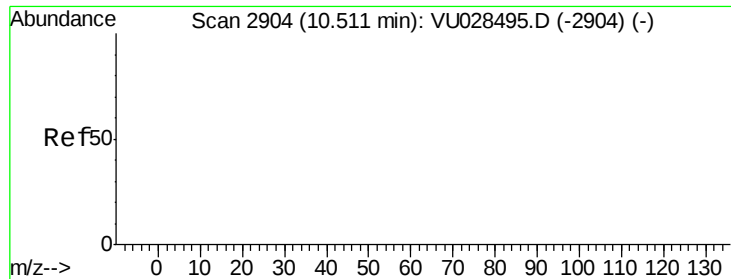
Tgt Ion: 105 Resp: 30880

Ion Ratio Lower Upper

105 100

120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 13.234 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

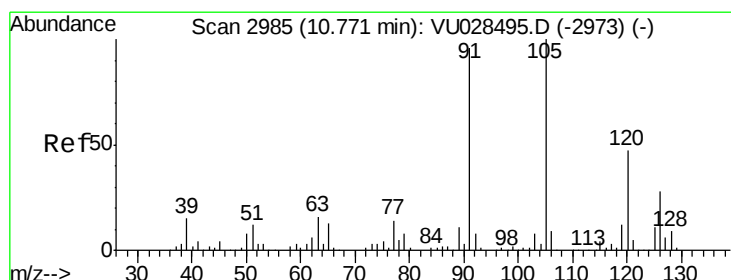
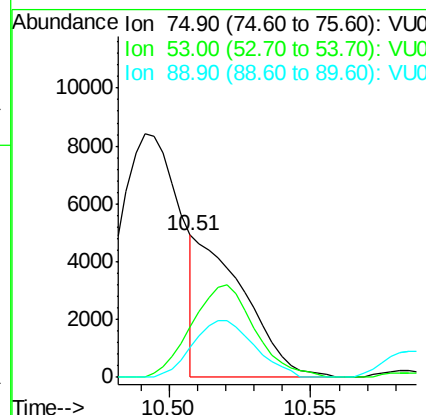
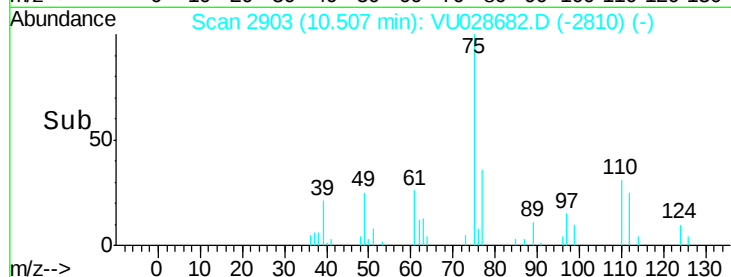
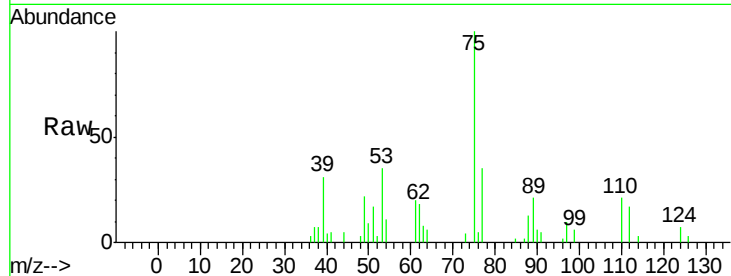
Instrument :
MSVOA_U

ClientSampleId :
VU1215WBS01

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

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#82

4-Chlorotoluene

Concen: 11.007 ug/l

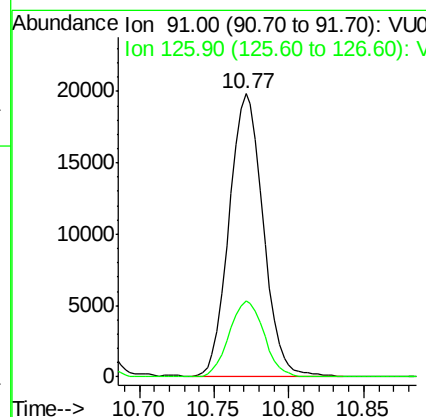
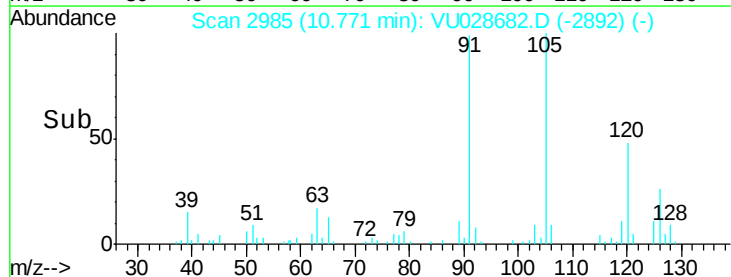
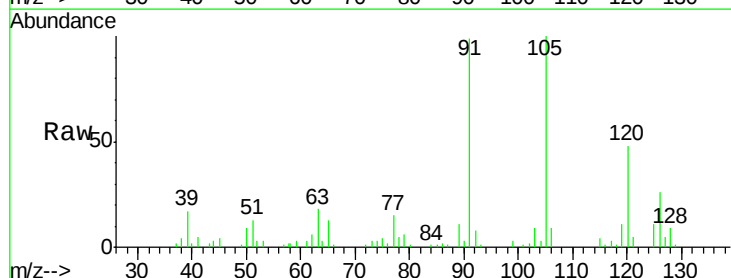
RT: 10.77 min Scan# 2985

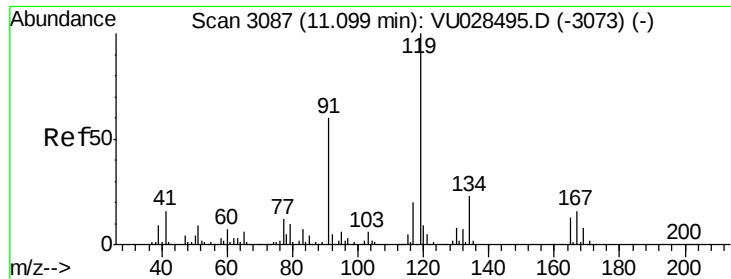
Delta R.T. -0.00 min

Lab File: VU028682.D

Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	14.1	42.3





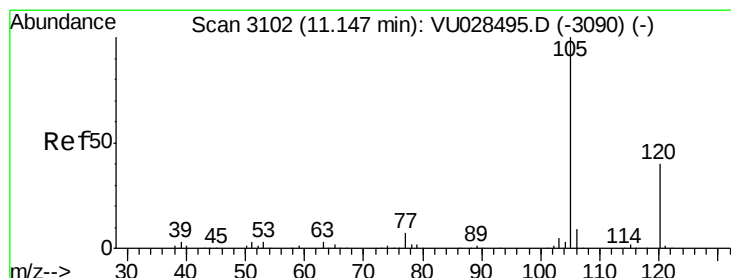
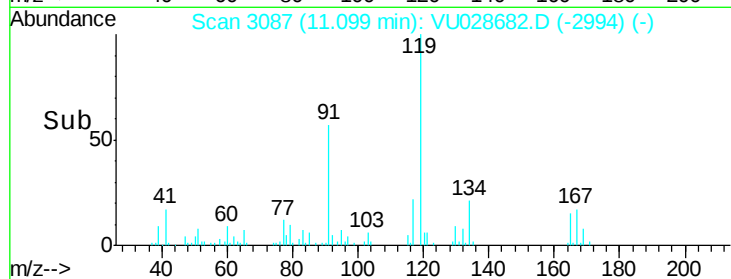
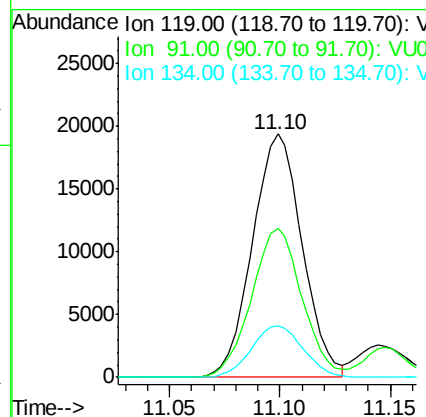
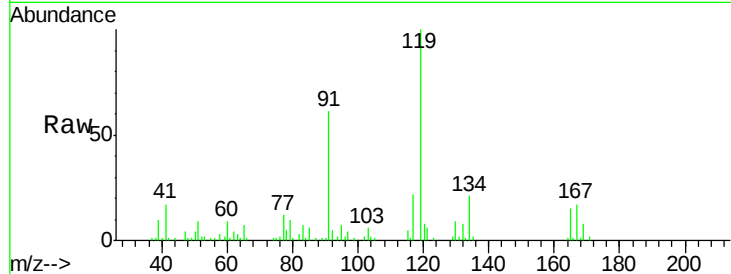
#83
tert-Butylbenzene
Concen: 11.282 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.3	91.0
134	22.0	11.2	33.5

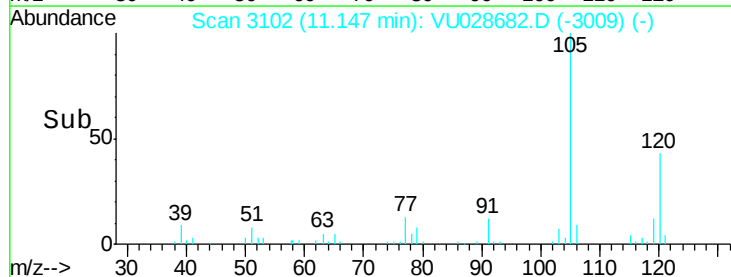
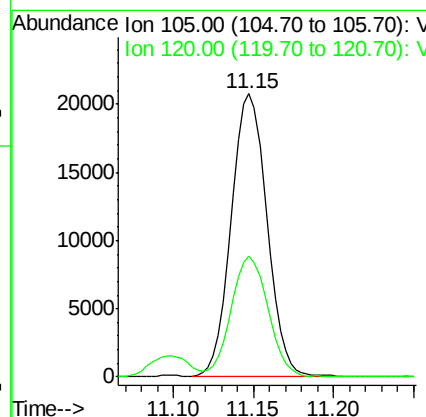
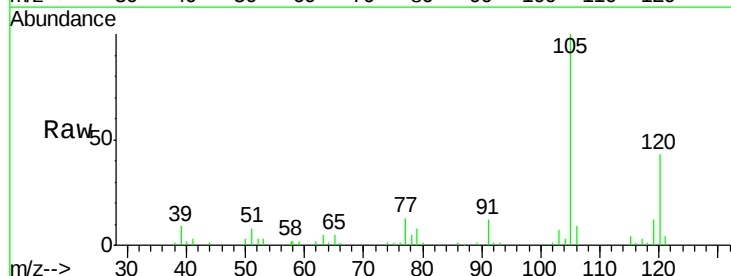
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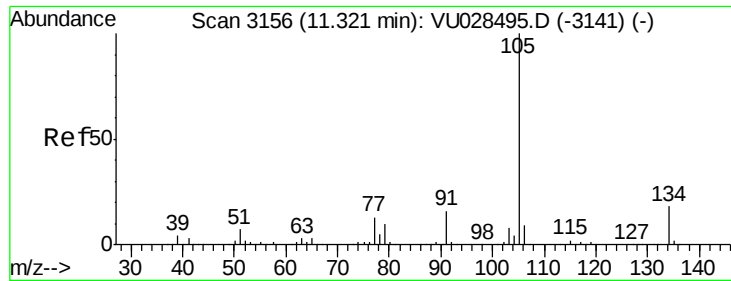
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#84
1,2,4-Trimethylbenzene
Concen: 10.983 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.4





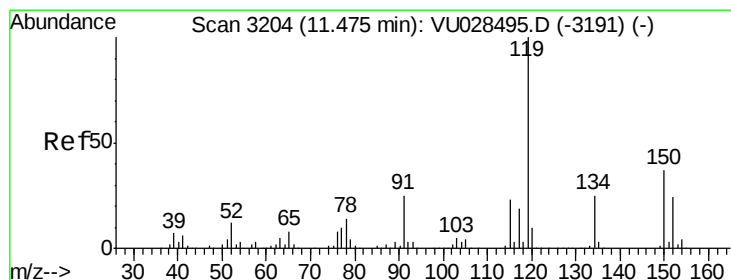
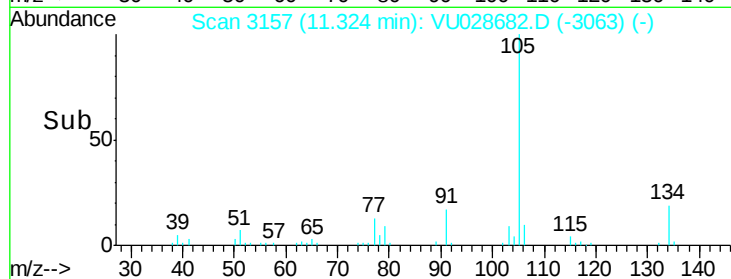
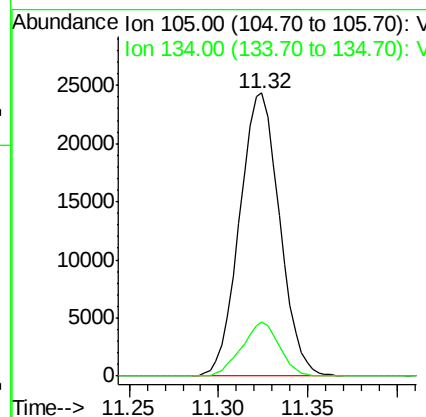
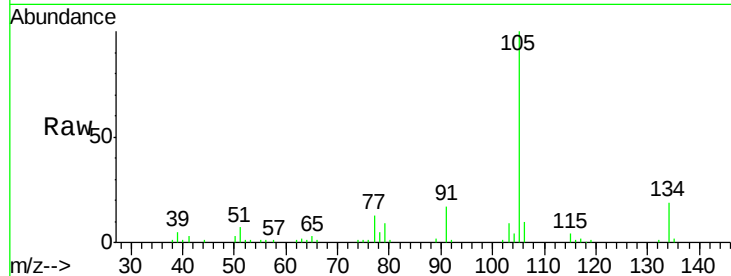
#85
 sec-Butylbenzene
 Concen: 10.975 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Tgt Ion:105 Resp: 38002
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.2 27.6

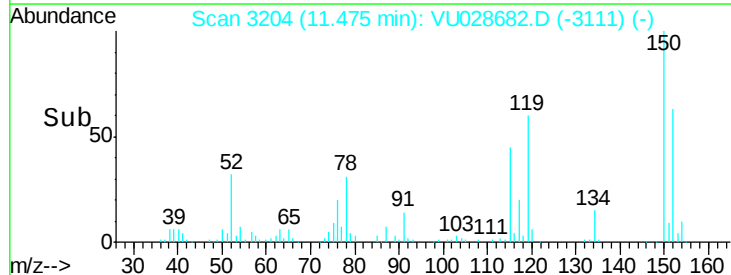
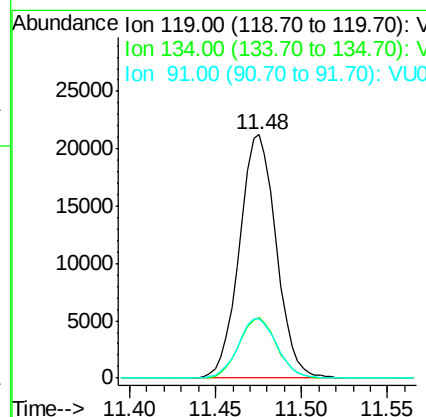
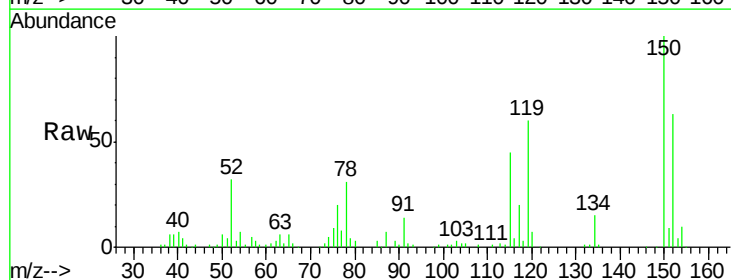
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#86
 p-Isopropyltoluene
 Concen: 10.764 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion:119 Resp: 31662
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 25.7 12.6 37.6





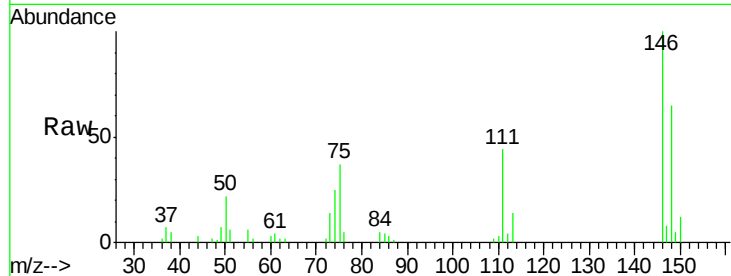
#87
 1,3-Dichlorobenzene
 Concen: 10.991 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

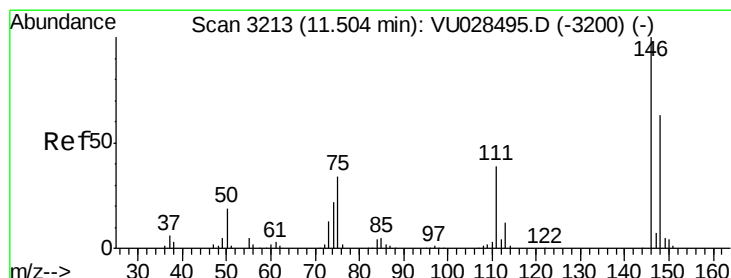
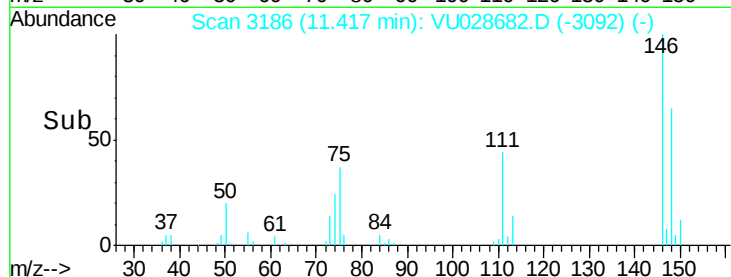
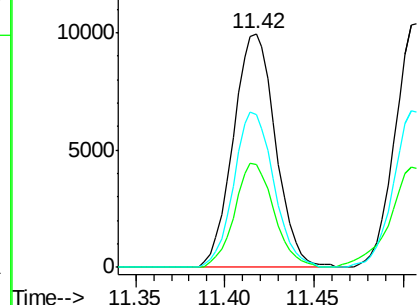
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.2	31.9	95.7

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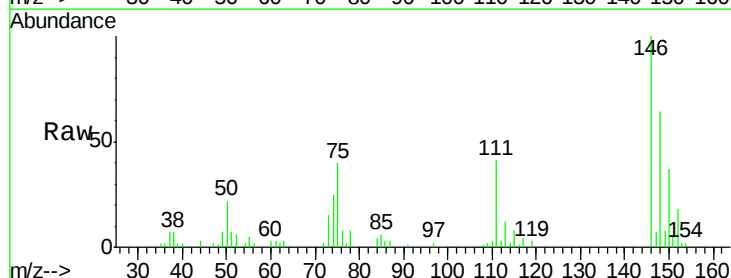


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

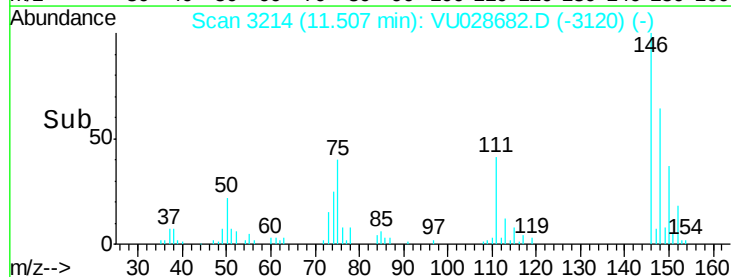
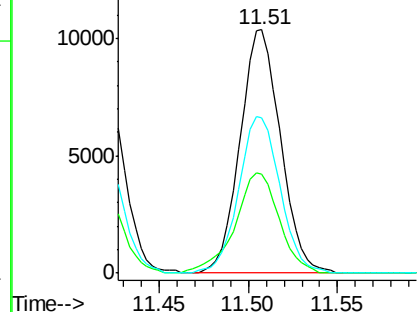


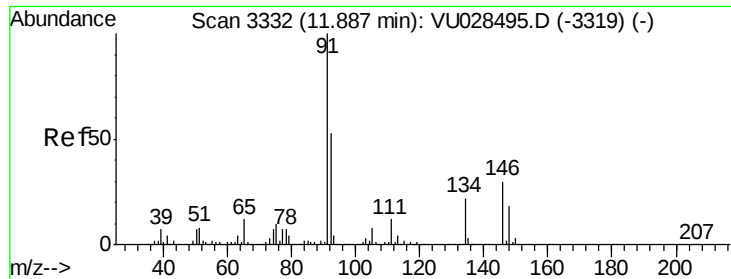
#88
 1,4-Dichlorobenzene
 Concen: 10.591 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.2	60.5
148	65.8	31.6	95.0



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





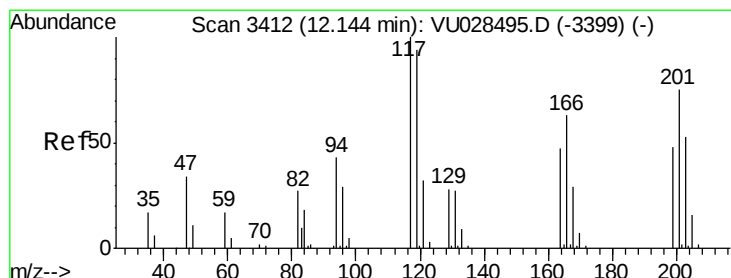
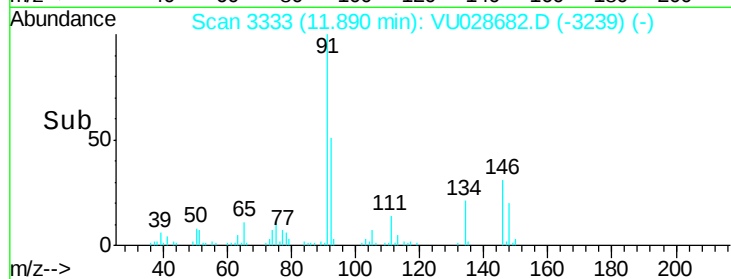
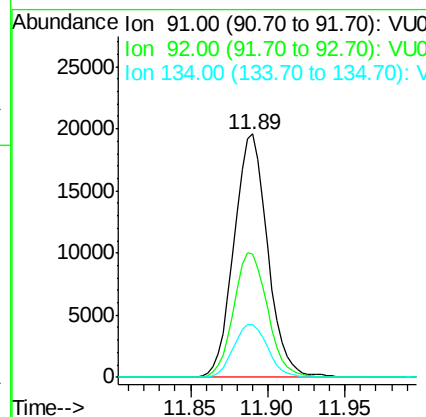
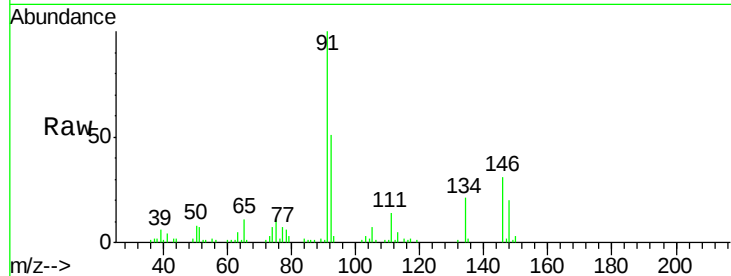
#89
n-Butylbenzene
Concen: 9.894 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.3	78.9
134	21.8	11.3	33.8

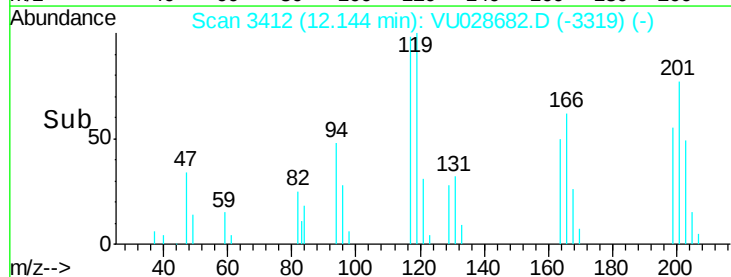
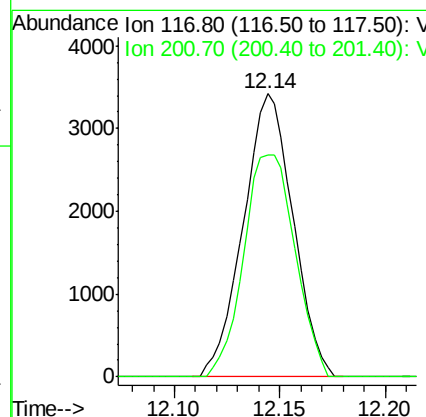
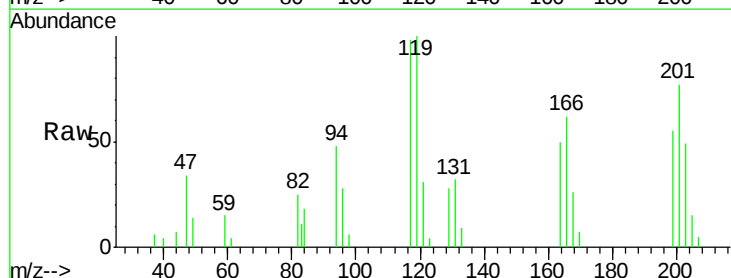
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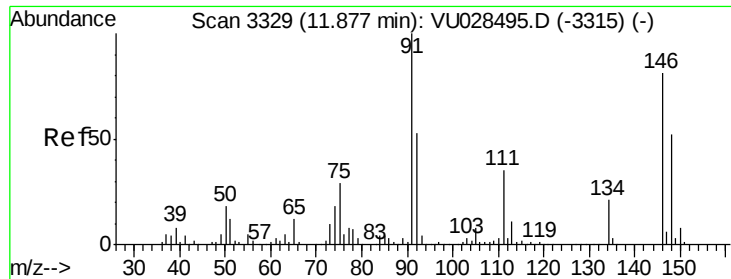
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#90
Hexachloroethane
Concen: 12.605 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	38.1	114.5





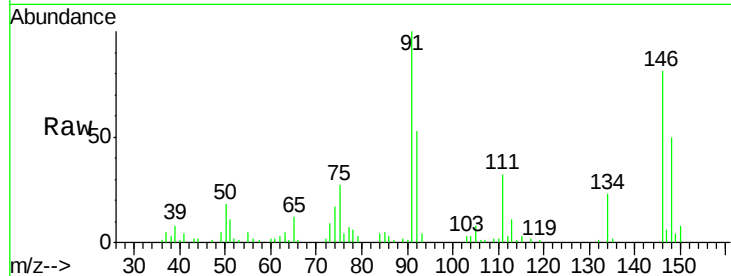
#91
 1,2-Dichlorobenzene
 Concen: 11.223 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	62.6	31.4	94.2

Manual Integrations
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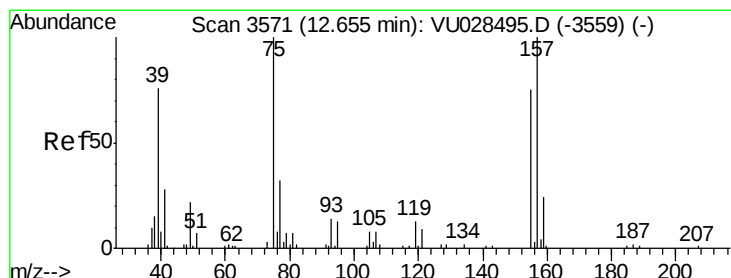
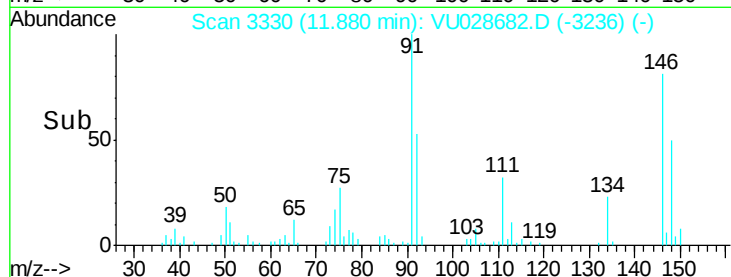
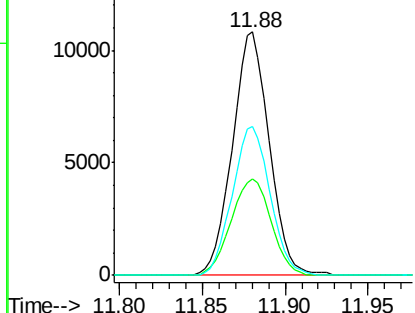


Abundance

Ion 145.90 (145.60 to 146.60): V

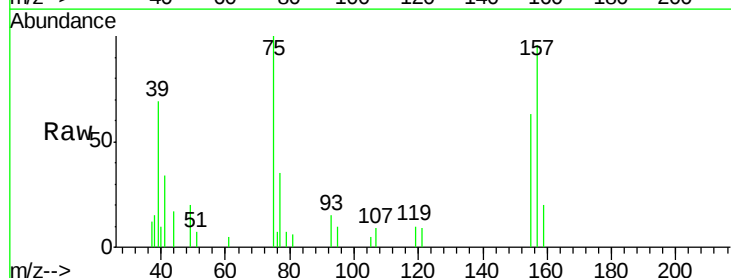
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 12.198 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	38.1	114.5
157	97.8	48.7	146.1

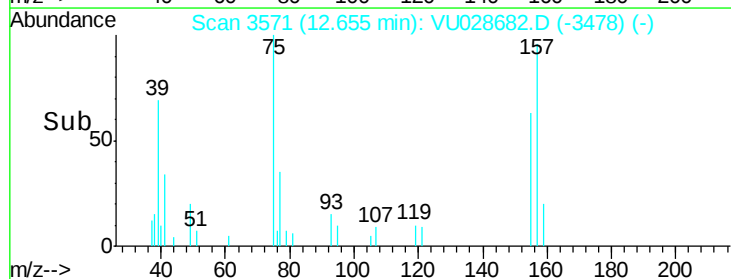
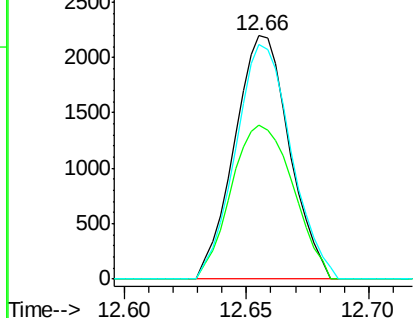


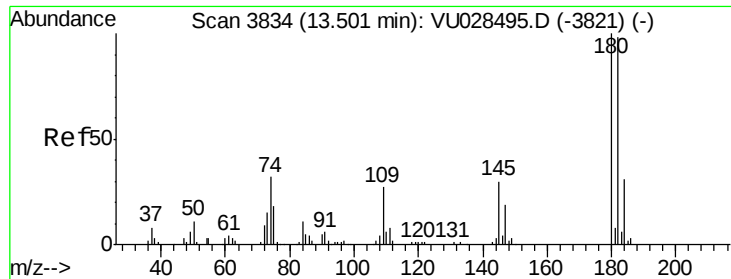
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





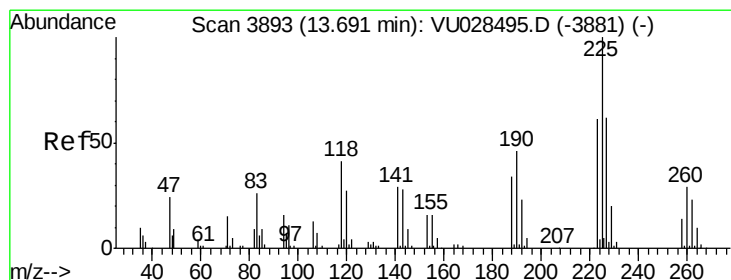
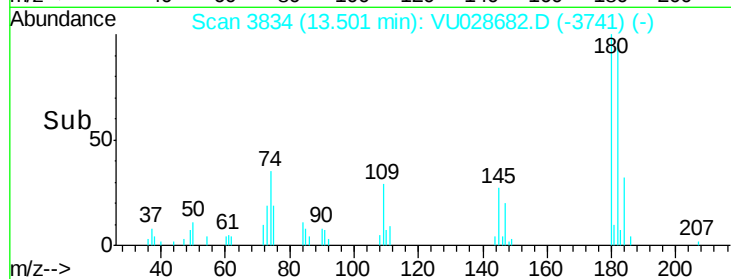
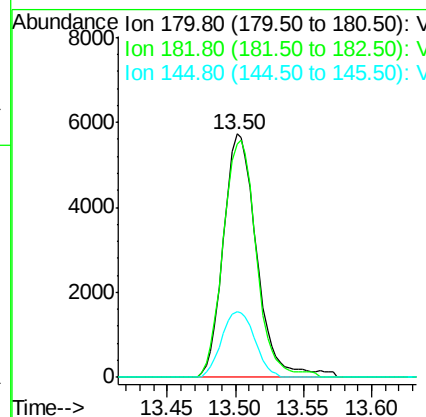
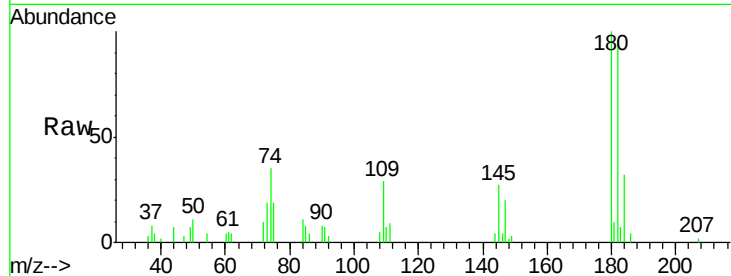
#93
 1,2,4-Trichlorobenzene
 Concen: 10.182 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	26.8	15.0	45.1

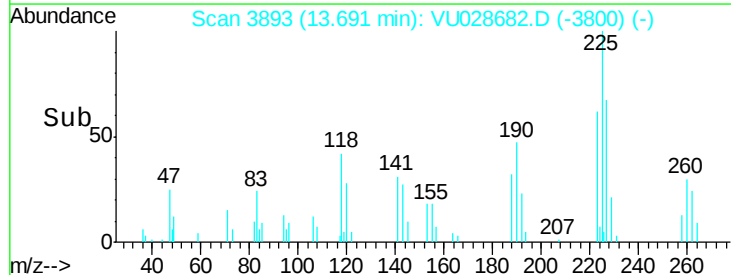
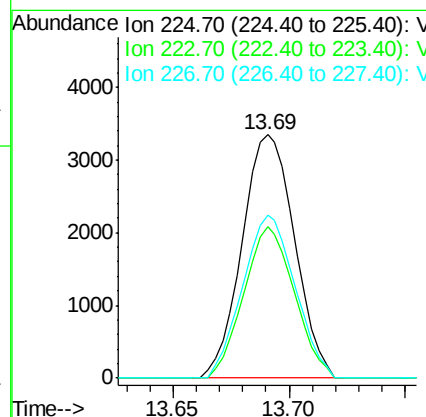
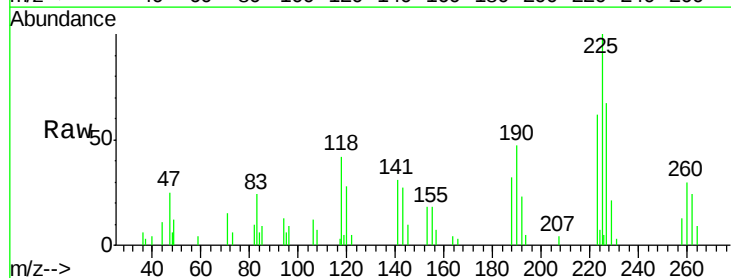
Manual Integrations
 APPROVED

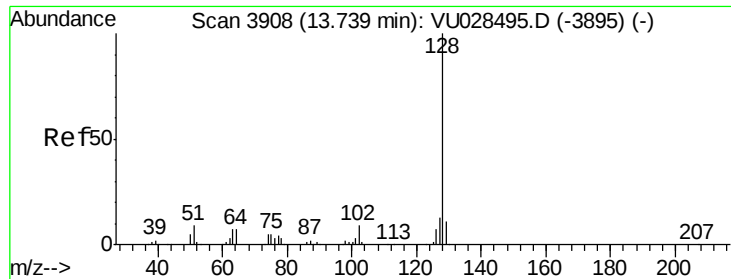
MMDadoda
 12/17/2018 9:48:40 AM



#94
 Hexachlorobutadiene
 Concen: 10.777 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028682.D
 Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	30.4	91.2
227	66.7	30.7	92.1





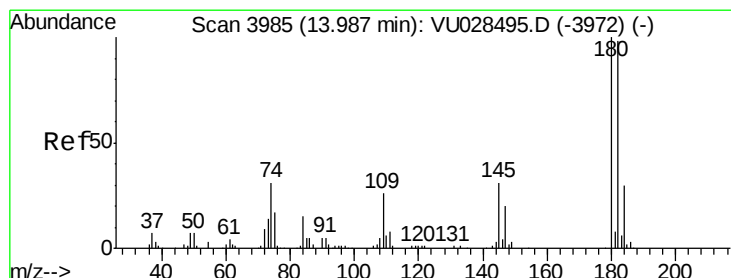
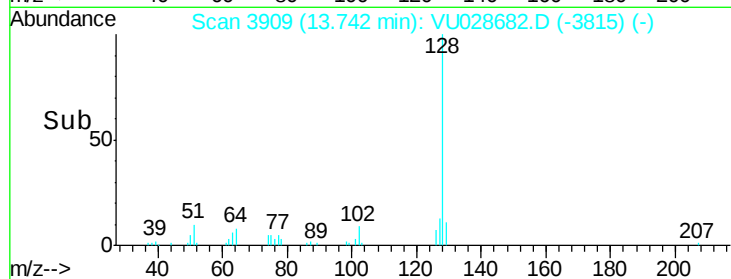
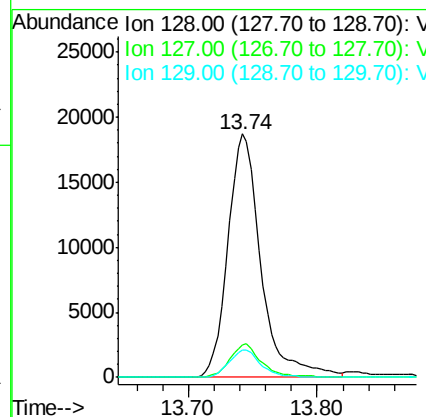
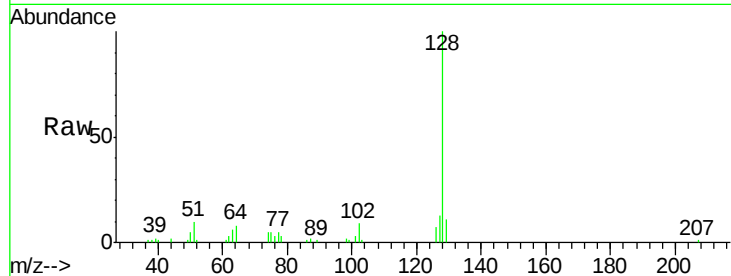
#95
Naphthalene
Concen: 9.299 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/17/2018 9:48:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.985 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028682.D
Acq: 14 Dec 2018 14:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.2	48.2	144.6
145	29.5	15.8	47.3

