

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121518\
 Data File : VU028685.D
 Acq On : 14 Dec 2018 16:03
 Operator : MD/SY
 Sample : VU1215WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 9:48:44 AM

Quant Time: Dec 15 01:04:53 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	73523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	129763	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	119609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	56259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	59893	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
35) Dibromofluoromethane	4.88	113	43118	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	7.57	98	166454	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	10.30	95	59032	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	19320	19.605	ug/l	99
3) Chloromethane	1.33	50	33328	18.395	ug/l	99
4) Vinyl Chloride	1.40	62	25363	19.398	ug/l	100
5) Bromomethane	1.61	94	9872	18.744	ug/l	95
6) Chloroethane	1.69	64	14437	19.504	ug/l	99
7) Trichlorofluoromethane	1.88	101	27221	19.788	ug/l	99
8) Diethyl Ether	2.10	74	11750	18.257	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	16709	20.309	ug/l	98
10) Methyl Iodide	2.41	142	15985	24.762	ug/l	98
11) Tert butyl alcohol	2.83	59	28239	112.965	ug/l	98
12) 1,1-Dichloroethene	2.28	96	15752	19.243	ug/l	98
13) Acrolein	2.19	56	16507	82.833	ug/l	97
14) Allyl chloride	2.59	41	37033	19.123	ug/l	99
15) Acrylonitrile	2.94	53	74623	107.523	ug/l	99
16) Acetone	2.32	43	68133	93.057	ug/l	97
17) Carbon Disulfide	2.48	76	53732	18.220	ug/l	100
18) Methyl Acetate	2.62	43	44320	23.351	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	61832	19.925	ug/l	100
20) Methylene Chloride	2.70	84	20151	18.670	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	17891	19.412	ug/l	98
22) Diisopropyl ether	3.57	45	78013	20.716	ug/l	98
23) Vinyl Acetate	3.52	43	315434	101.548	ug/l	99
24) 1,1-Dichloroethane	3.45	63	39502	20.039	ug/l	99
25) 2-Butanone	4.26	43	104864	104.804	ug/l	98
26) 2,2-Dichloropropane	4.22	77	31486	20.158	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	21034	20.163	ug/l	98
28) Bromochloromethane	4.55	49	19480	21.738	ug/l	96
29) Tetrahydrofuran	4.64	42	70062	109.028	ug/l	97
30) Chloroform	4.67	83	35040	20.395	ug/l	95
31) Cyclohexane	5.00	56	39159	19.629	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	29186	20.454	ug/l	97
36) 1,1-Dichloropropene	5.13	75	27273	19.207	ug/l	98
37) Ethyl Acetate	4.38	43	38221	20.822	ug/l	99
38) Carbon Tetrachloride	5.13	117	23012	20.107	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	30842	17.804	ug/l	99
40) Benzene	5.39	78	84288	20.154	ug/l	99
41) Methacrylonitrile	4.54	41	20820	20.711	ug/l	98
42) 1,2-Dichloroethane	5.40	62	29243	19.976	ug/l	98
43) Isopropyl Acetate	5.55	43	60295	20.767	ug/l	97
44) Trichloroethene	6.19	130	17351	18.659	ug/l	98
45) 1,2-Dichloropropane	6.43	63	24293	20.656	ug/l	99
46) Dibromomethane	6.56	93	14152	20.281	ug/l	97
47) Bromodichloromethane	6.76	83	27401	20.180	ug/l	97
48) Methyl methacrylate	6.62	41	30461	21.097	ug/l	96
49) 1,4-Dioxane	6.61	88	10442	458.020	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	192926	105.355	ug/l	98
52) Toluene	7.64	92	48487	19.700	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	31563	19.517	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	34138	19.457	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	19952	20.507	ug/l	98
56) Ethyl methacrylate	8.02	69	33019	19.818	ug/l	98
57) 1,3-Dichloropropane	8.24	76	35756	19.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	84129	98.584	ug/l	99
59) 2-Hexanone	8.36	43	148163	102.081	ug/l	99
60) Dibromochloromethane	8.48	129	19388	20.354	ug/l	100
61) 1,2-Dibromoethane	8.58	107	20017	19.619	ug/l	95
64) Tetrachloroethene	8.23	164	14625	18.331	ug/l	99
65) Chlorobenzene	9.12	112	48678	19.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	17342	21.307	ug/l	99
67) Ethyl Benzene	9.25	91	88879	18.969	ug/l	100
68) m/p-Xylenes	9.37	106	66430	38.964	ug/l	100
69) o-Xylene	9.78	106	32006	19.318	ug/l	98
70) Styrene	9.79	104	51765	18.879	ug/l	99
71) Bromoform	9.96	173	14519	20.970	ug/l #	95
73) Isopropylbenzene	10.16	105	85438	19.791	ug/l	98
74) N-amyl acetate	10.01	43	50966	20.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	36508	22.015	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	29958m	20.854	ug/l	
77) Bromobenzene	10.45	156	20290	20.097	ug/l	100
78) n-propylbenzene	10.58	91	103631	19.319	ug/l	99
79) 2-Chlorotoluene	10.66	91	62783	20.319	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	71360	19.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	13678m	23.688	ug/l	
82) 4-Chlorotoluene	10.77	91	71026	19.398	ug/l	98
83) tert-Butylbenzene	11.10	119	67656	19.643	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	72293	19.630	ug/l	99
85) sec-Butylbenzene	11.32	105	84662	19.133	ug/l	99
86) p-Isopropyltoluene	11.48	119	70437	18.740	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	36050	18.910	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	36758	18.636	ug/l	98
89) n-Butylbenzene	11.89	91	66666	17.525	ug/l	99
90) Hexachloroethane	12.14	117	12738	22.421	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	37312	19.566	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	7764	21.625	ug/l	99

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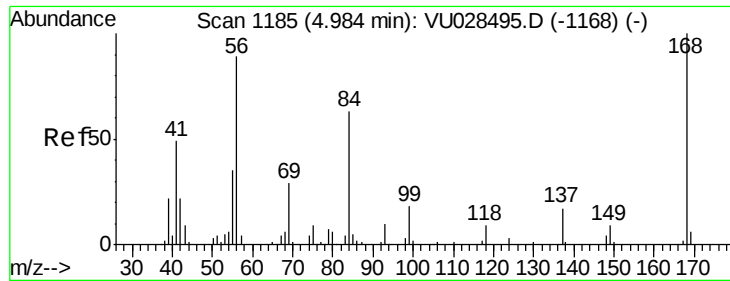
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	22563	17.771	ug/l	99
94) Hexachlorobutadiene	13.69	225	11612	18.589	ug/l	97
95) Naphthalene	13.74	128	78428	17.139	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	23751	18.305	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 168 Resp: 73523

Ion Ratio Lower Upper

168 100

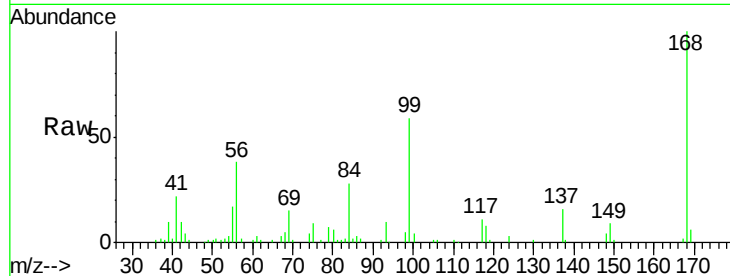
99 58.4 46.6 69.8

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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) (-)

4.98

30000

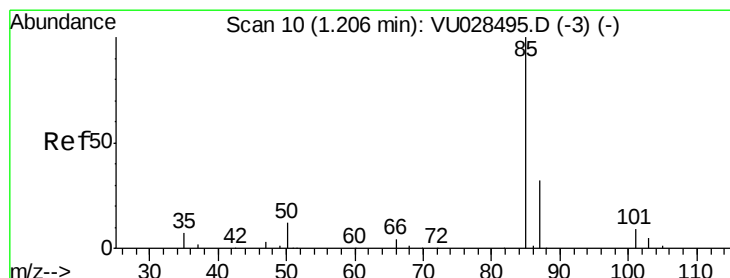
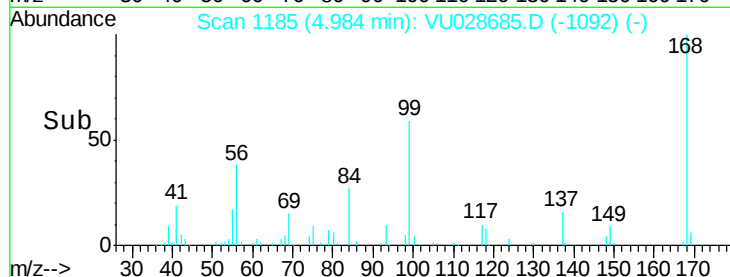
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.605 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028685.D

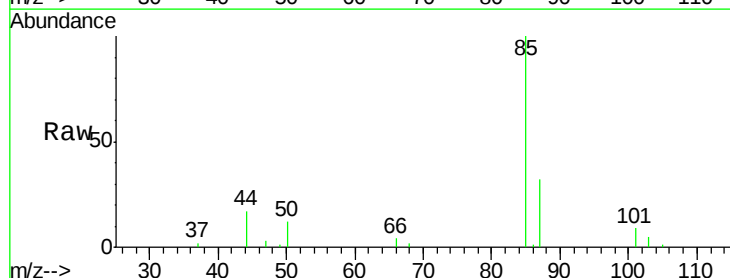
Acq: 14 Dec 2018 16:03

Tgt Ion: 85 Resp: 19320

Ion Ratio Lower Upper

85 100

87 32.1 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) (-)

1.21

20000

15000

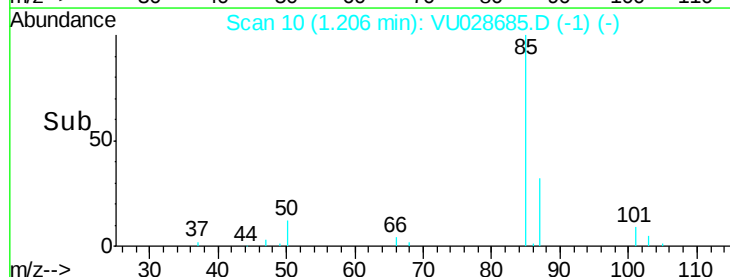
10000

5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.395 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 50 Resp: 33328

Ion Ratio Lower Upper

50 100

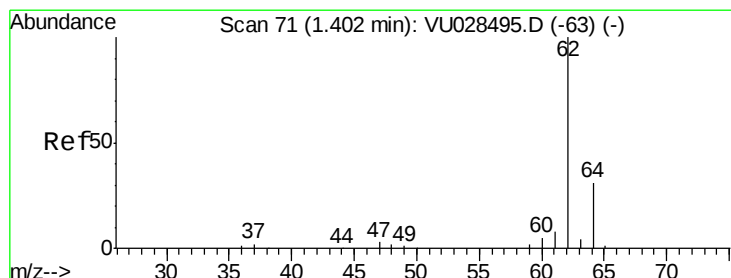
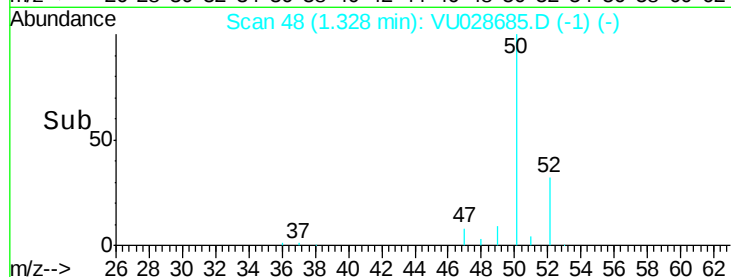
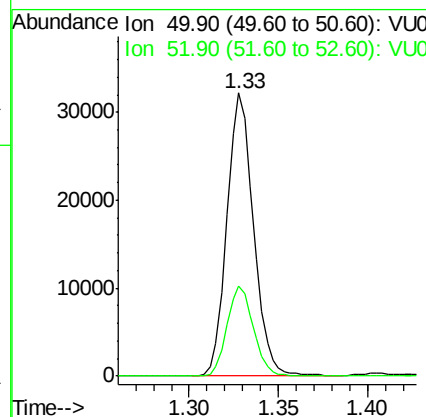
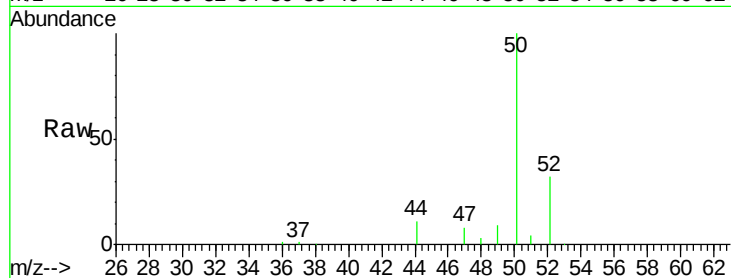
52 31.6 25.5 38.3

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#4

Vinyl Chloride

Concen: 19.398 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028685.D

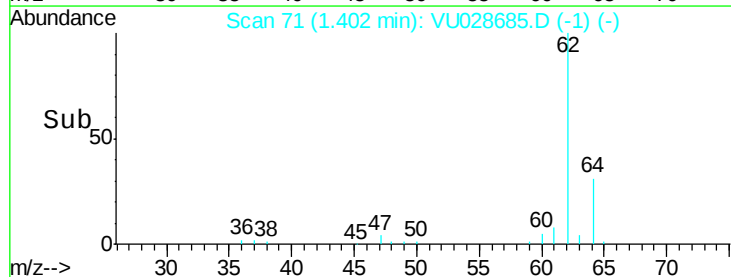
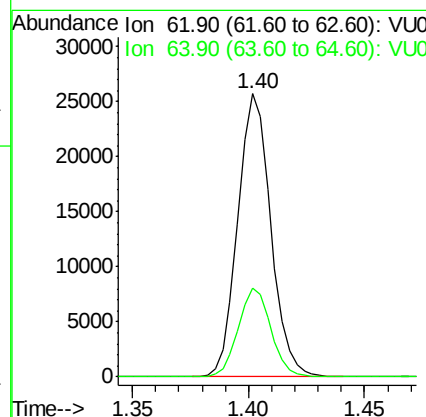
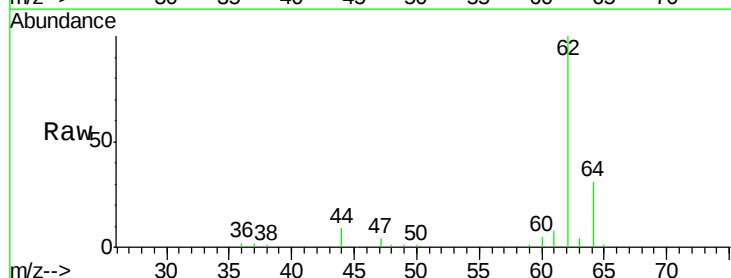
Acq: 14 Dec 2018 16:03

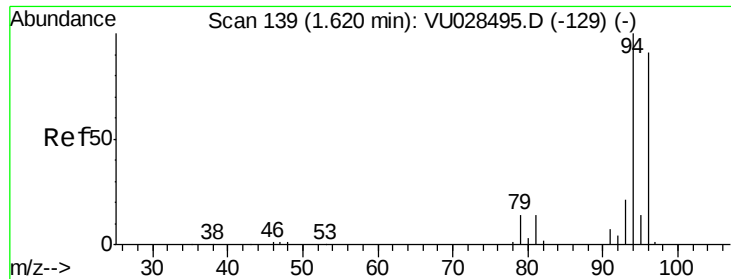
Tgt Ion: 62 Resp: 25363

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 18.744 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.01 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 94 Resp: 9872

Ion Ratio Lower Upper

94 100

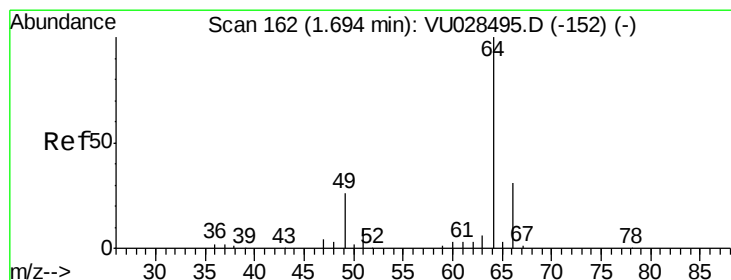
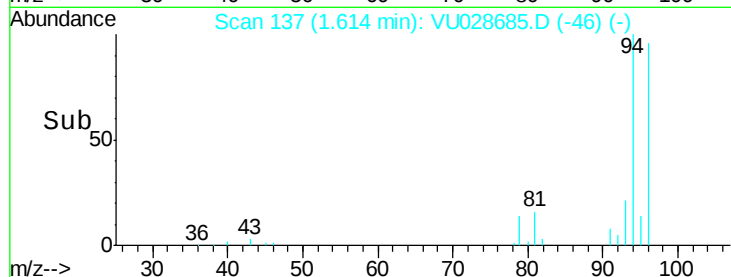
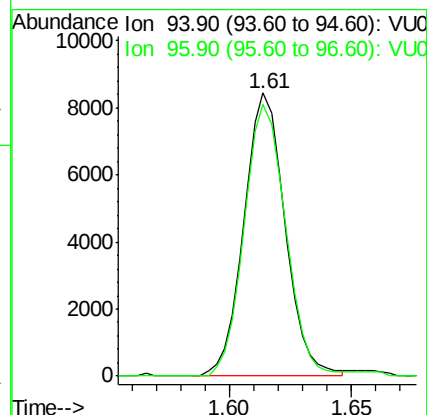
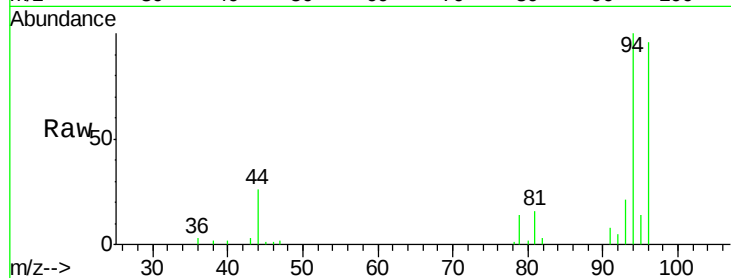
96 95.9 73.2 109.8

Manual Integrations

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12/17/2018 9:48:44 AM



#6

Chloroethane

Concen: 19.504 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU028685.D

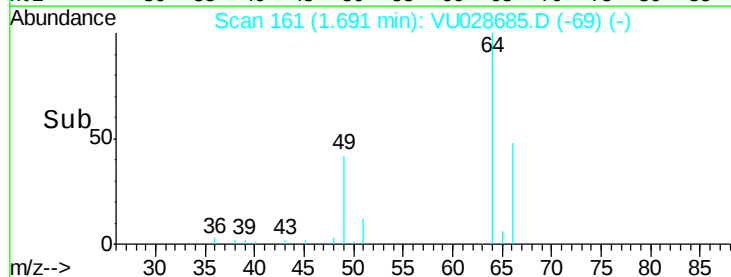
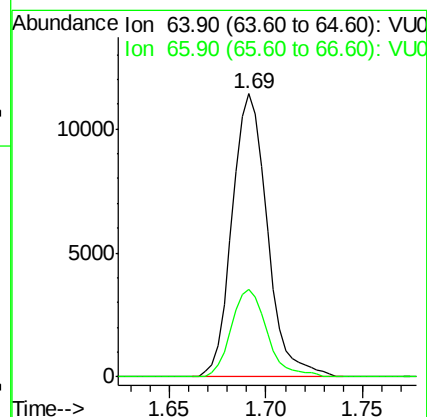
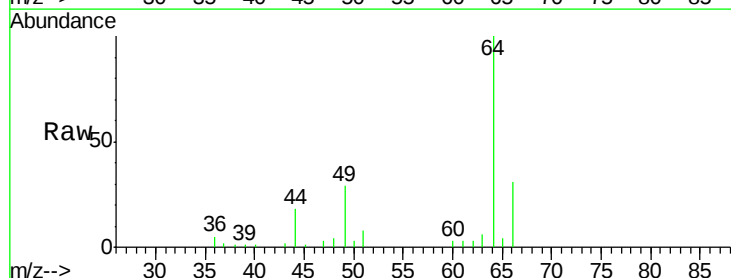
Acq: 14 Dec 2018 16:03

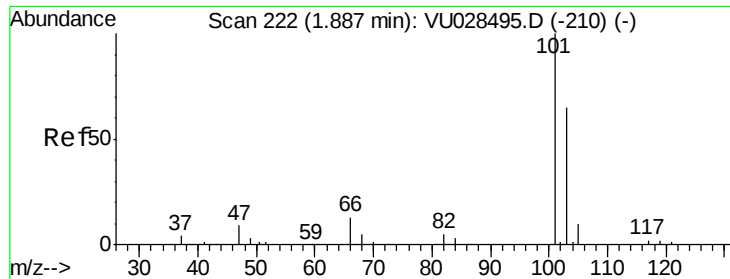
Tgt Ion: 64 Resp: 14437

Ion Ratio Lower Upper

64 100

66 30.7 25.0 37.6





#7

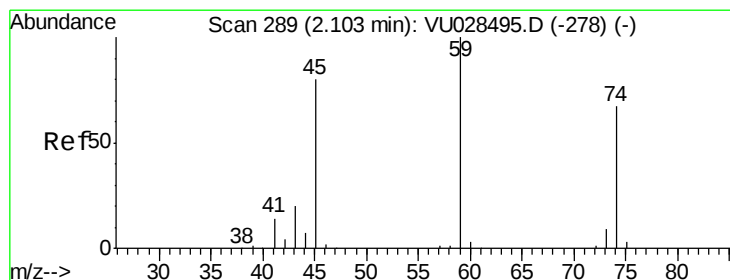
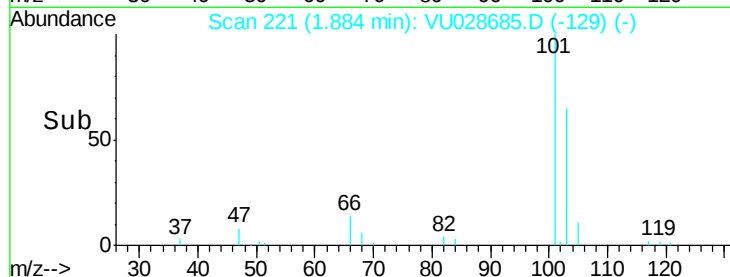
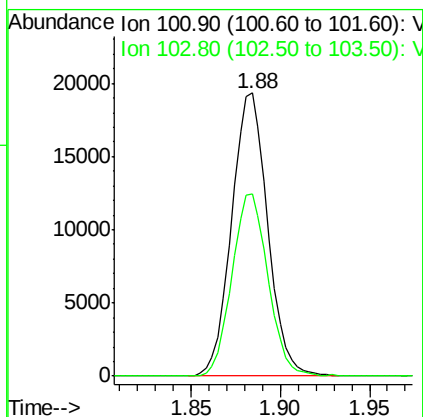
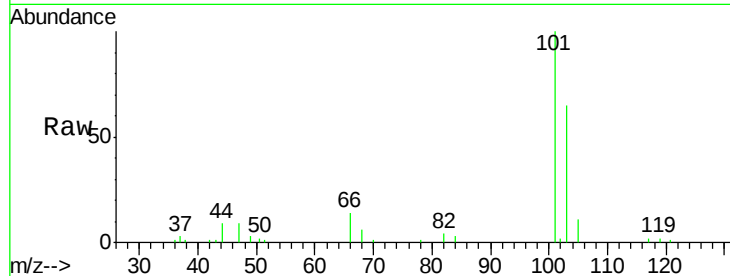
Trichlorofluoromethane
Concen: 19.788 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

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ClientSampleId :
VU1215WBS02

Tgt Ion: 101 Resp: 27221
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5

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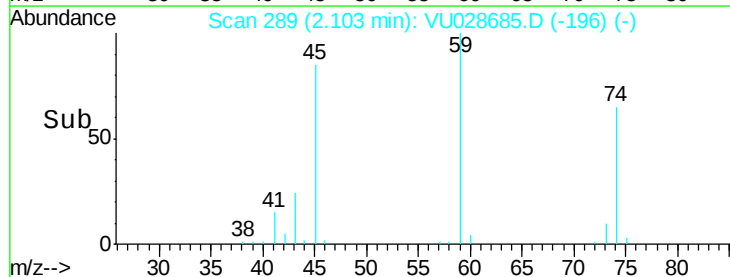
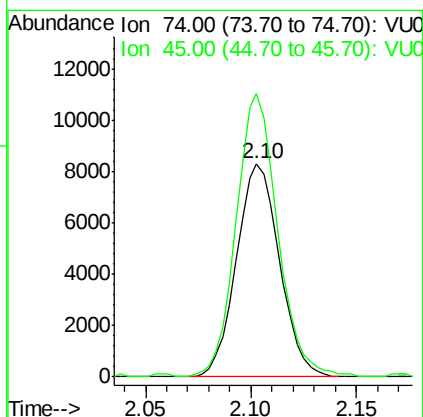
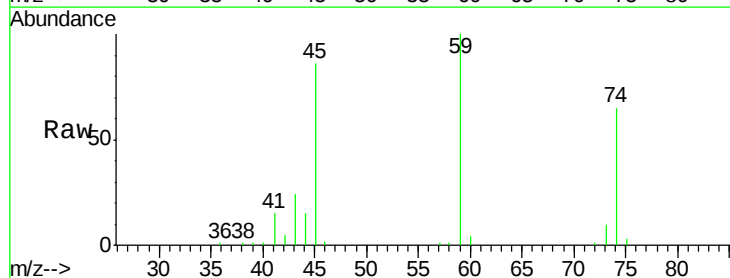
MMDadoda
12/17/2018 9:48:44 AM

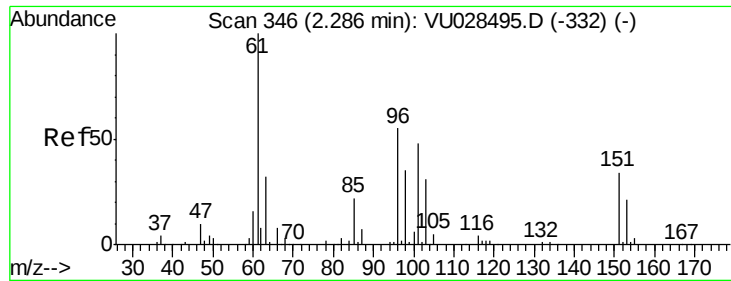


#8

Diethyl Ether
Concen: 18.257 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 74 Resp: 11750
Ion Ratio Lower Upper
74 100
45 128.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.309 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

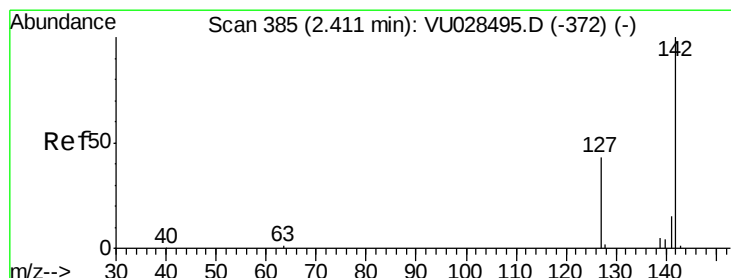
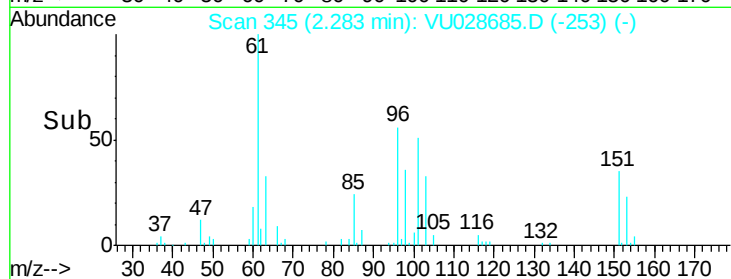
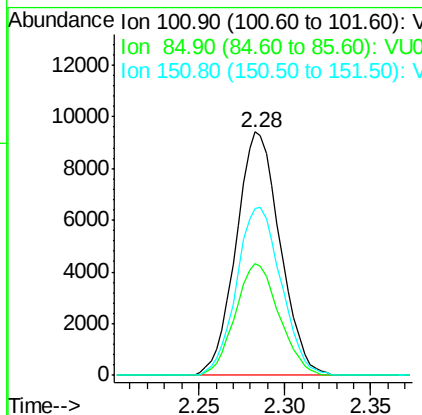
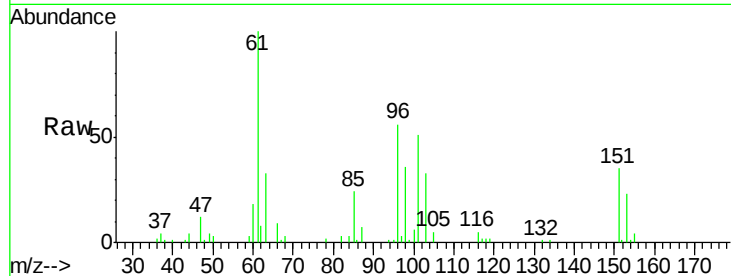
ClientSampleId :

VU1215WBS02

Tgt Ion:	101	Resp:	16709
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.4	54.6
151	70.0	58.2	87.2

Manual Integrations
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12/17/2018 9:48:44 AM



#10

Methyl Iodide

Concen: 24.762 ug/l

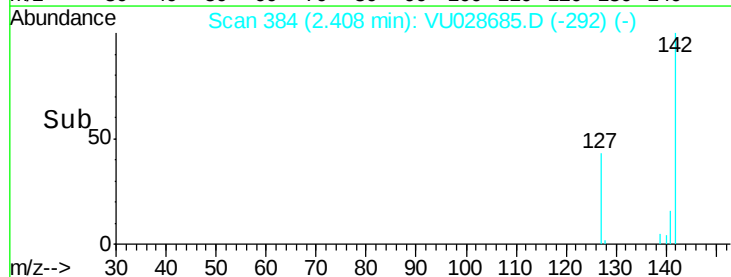
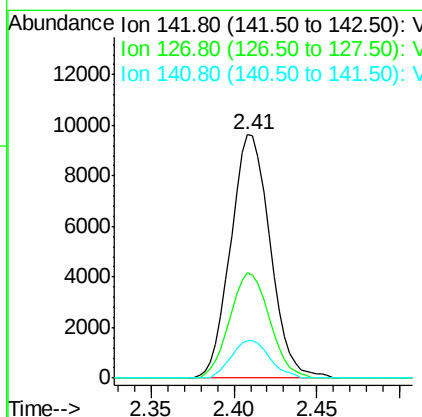
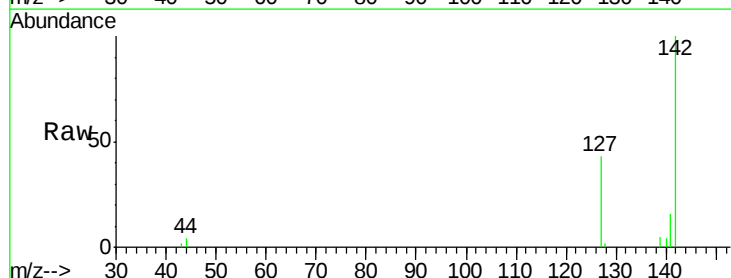
RT: 2.41 min Scan# 384

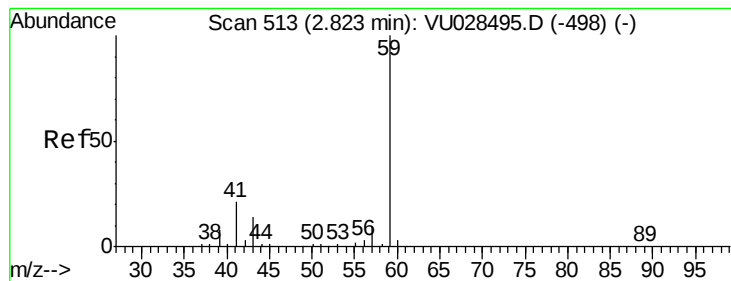
Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	142	Resp:	15985
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.5	50.3
141	15.0	11.2	16.8





#11

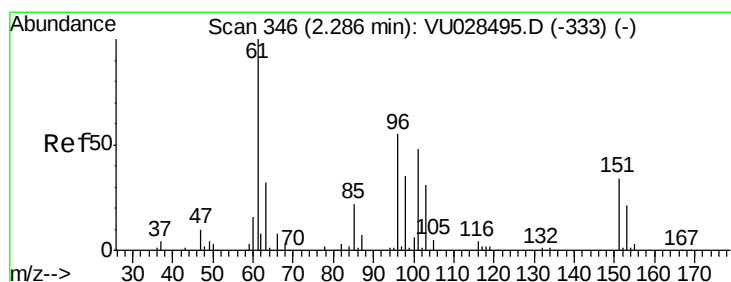
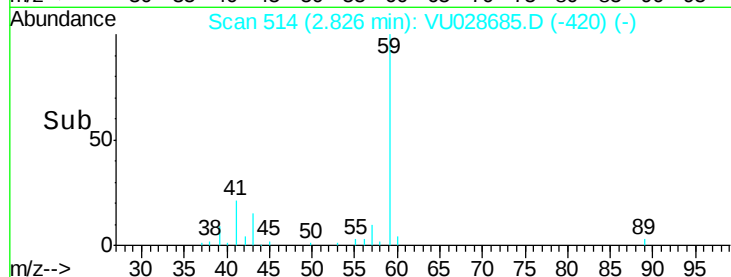
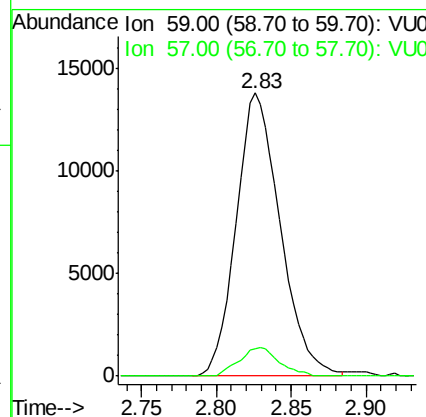
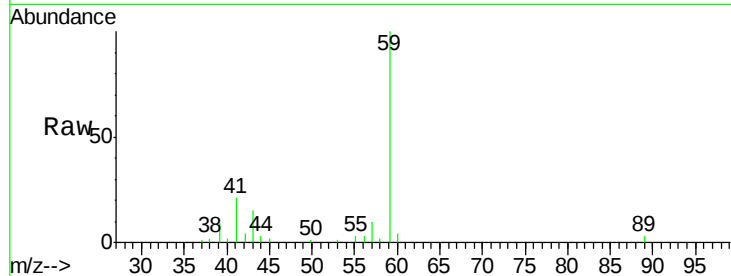
Tert butyl alcohol
 Concen: 112.965 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	28239		
57	9.1	8.0	12.0	

Manual Integrations
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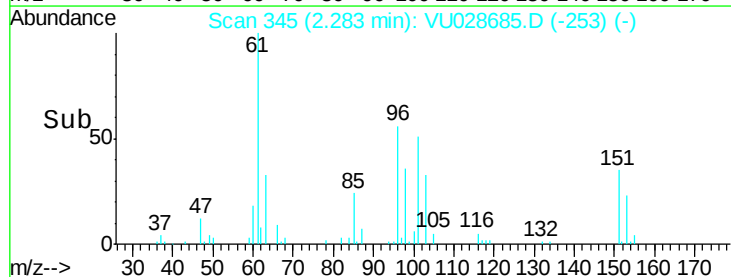
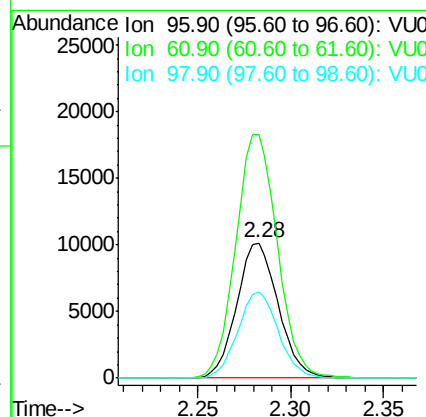
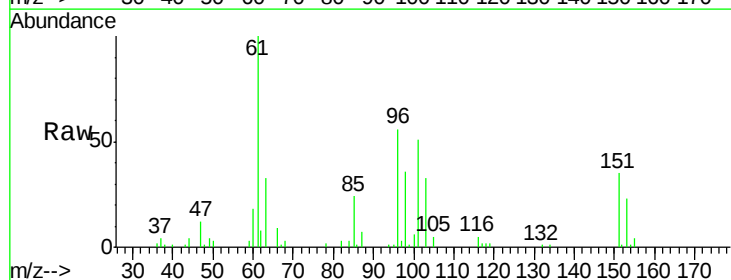
MMDadoda
 12/17/2018 9:48:44 AM

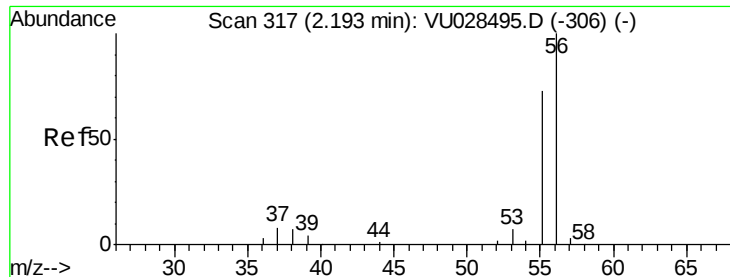


#12

1,1-Dichloroethene
 Concen: 19.243 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	15752		
61	179.9	146.4	219.6	
98	64.0	51.8	77.8	





#13

Acrolein

Concen: 82.833 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 56 Resp: 16507

Ion Ratio Lower Upper

56 100

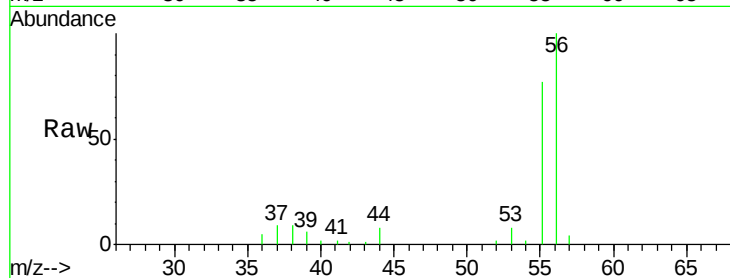
55 74.7 57.5 86.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

12000

10000

8000

6000

4000

2000

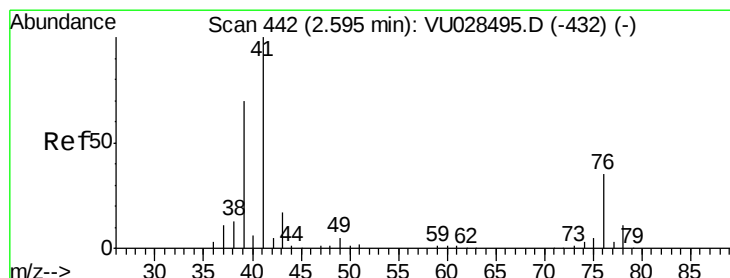
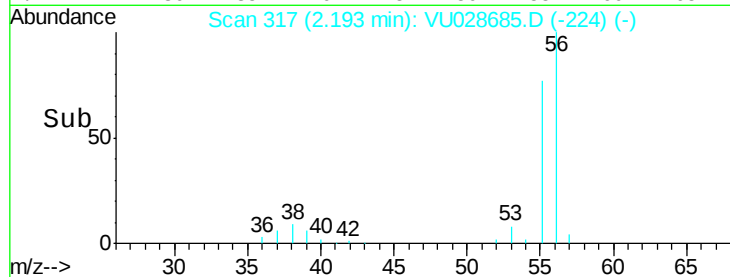
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 19.123 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

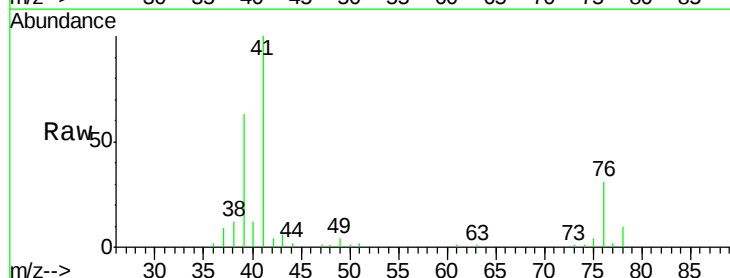
Tgt Ion: 41 Resp: 37033

Ion Ratio Lower Upper

41 100

39 63.7 50.8 76.2

76 29.8 24.8 37.2



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

25000

20000

15000

10000

5000

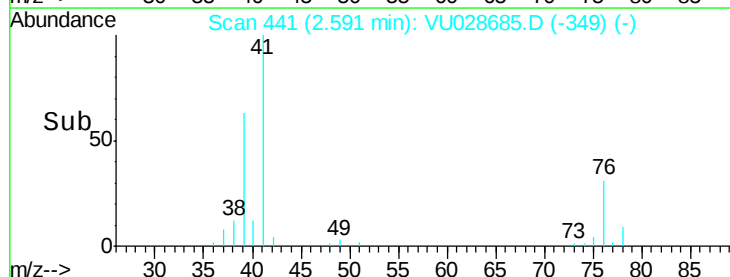
0

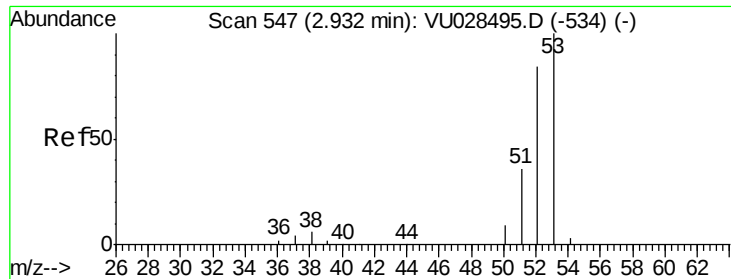
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 107.523 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

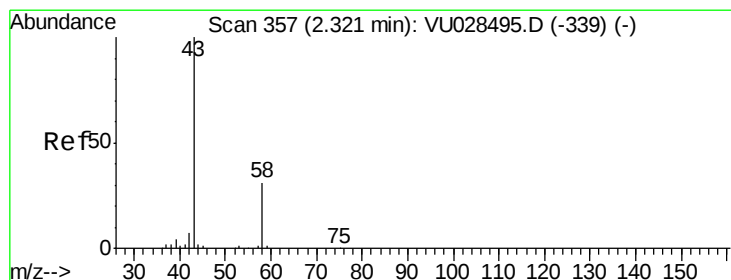
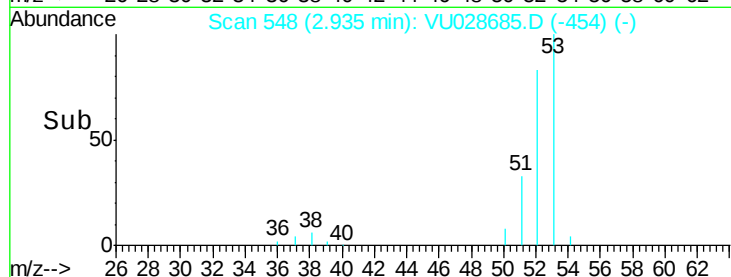
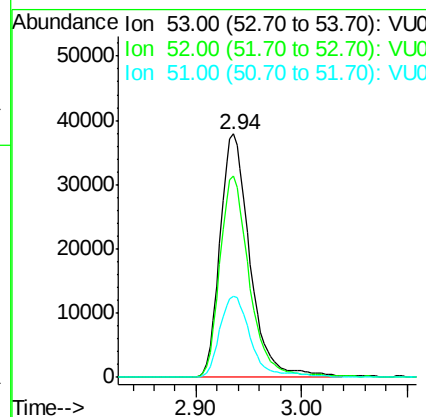
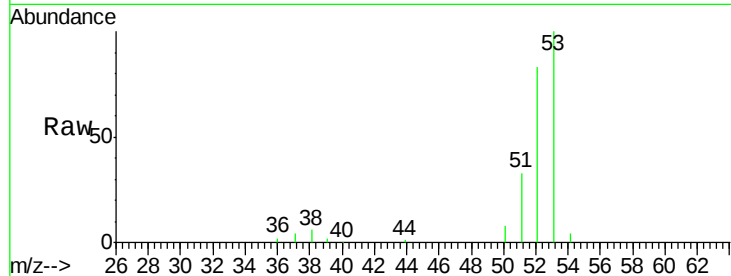
ClientSampleId :

VU1215WBS02

Tgt Ion:	53	Resp:	74623
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.1	99.1
51	34.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 93.057 ug/l

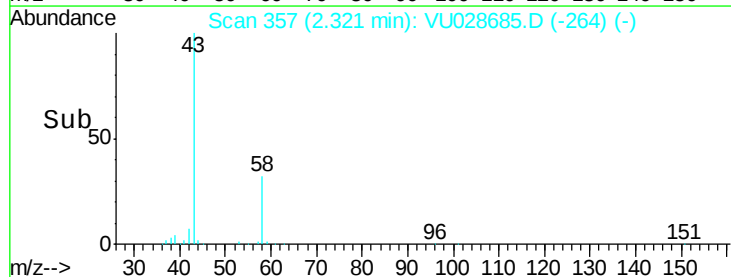
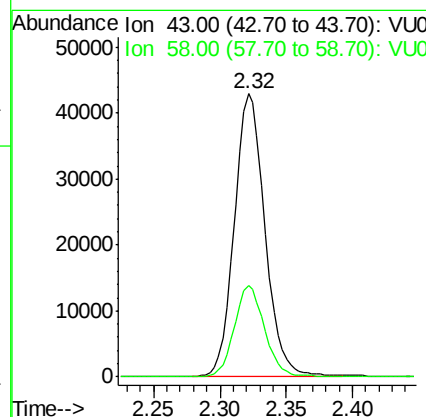
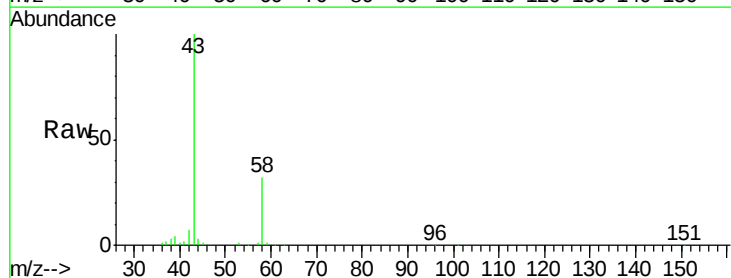
RT: 2.32 min Scan# 357

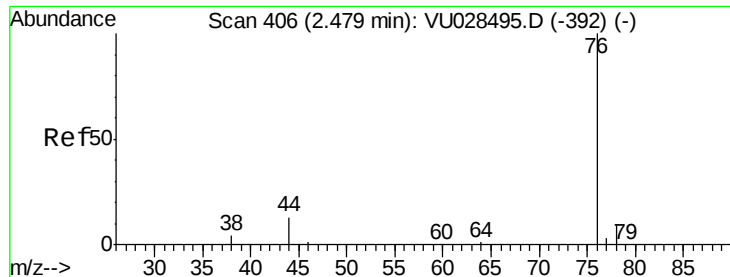
Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	43	Resp:	68133
Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.6	37.0





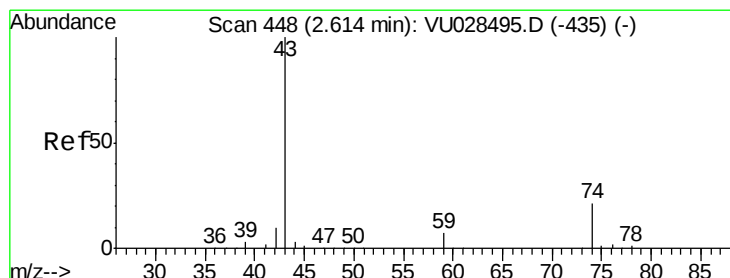
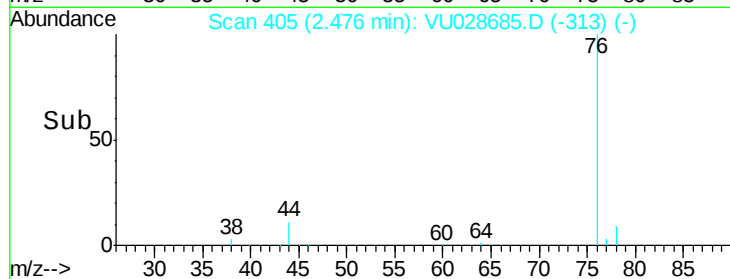
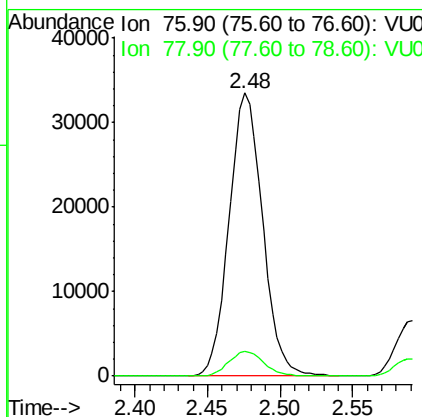
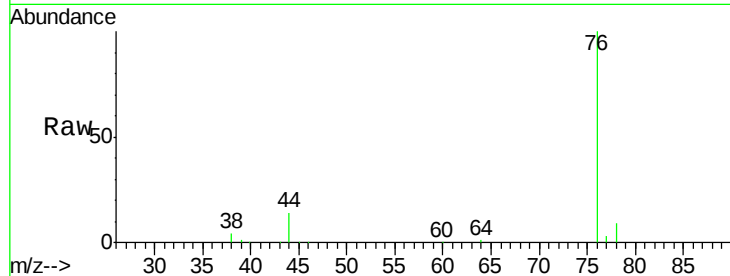
#17
Carbon Disulfide
Concen: 18.220 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion: 76 Resp: 53732
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

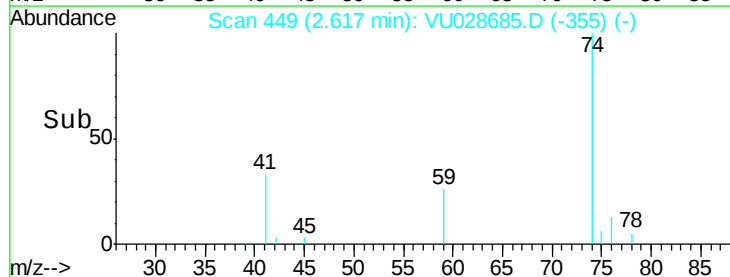
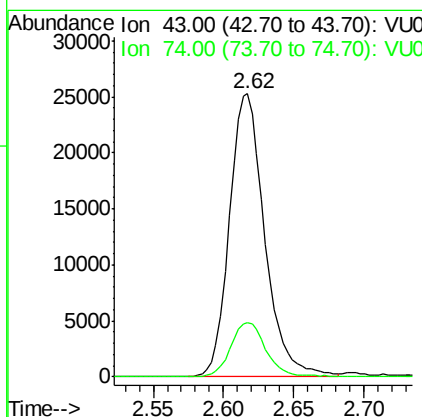
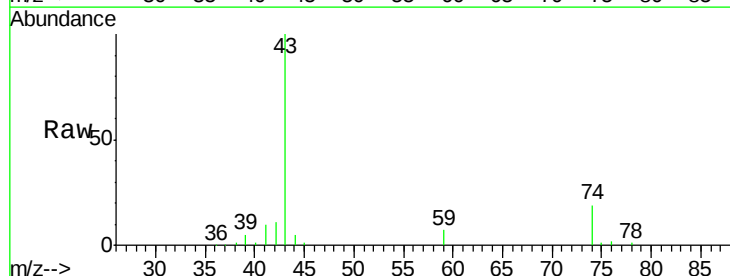
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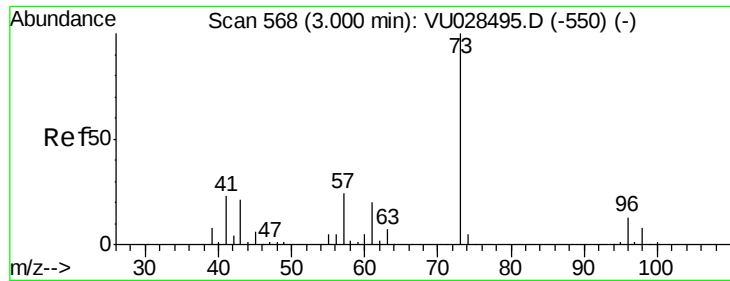
MMDadoda
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#18
Methyl Acetate
Concen: 23.351 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 43 Resp: 44320
Ion Ratio Lower Upper
43 100
74 19.2 16.4 24.6





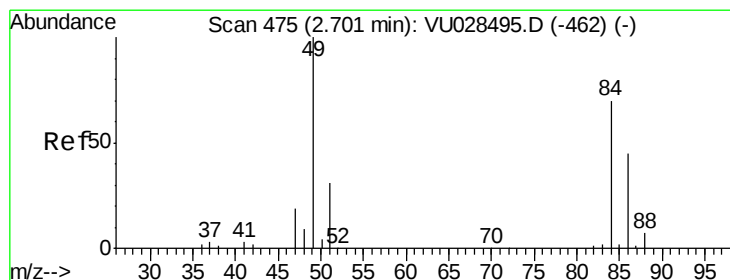
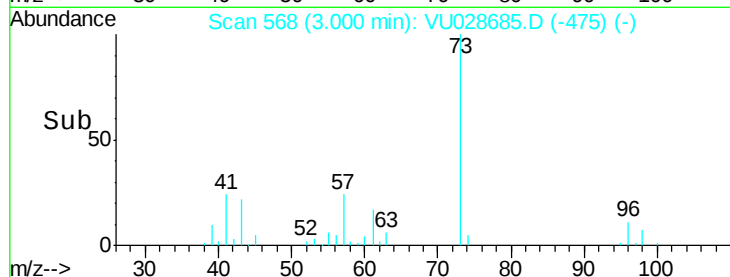
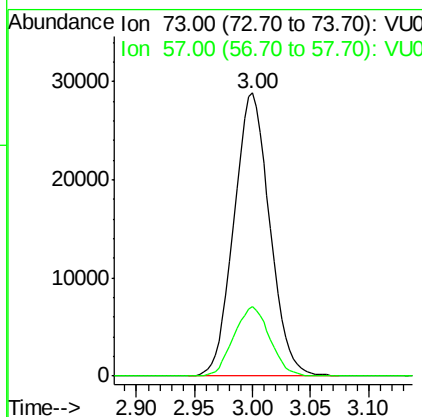
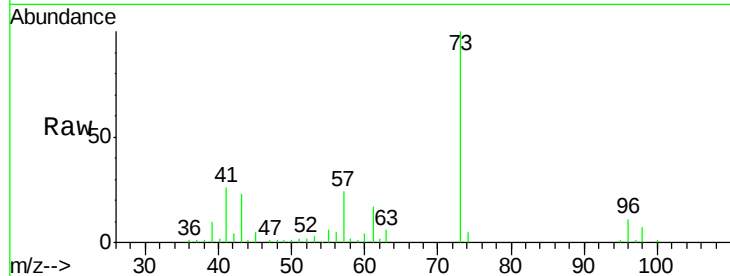
#19
Methyl tert-butyl Ether
Concen: 19.925 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion: 73 Resp: 61832
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2

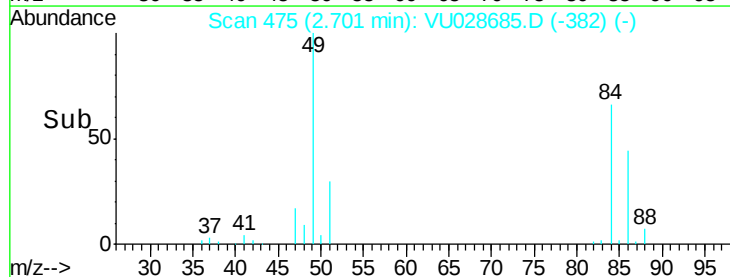
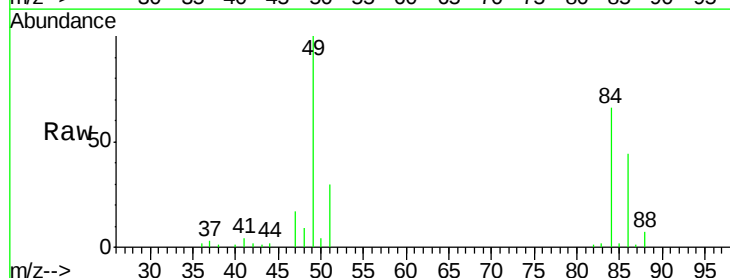
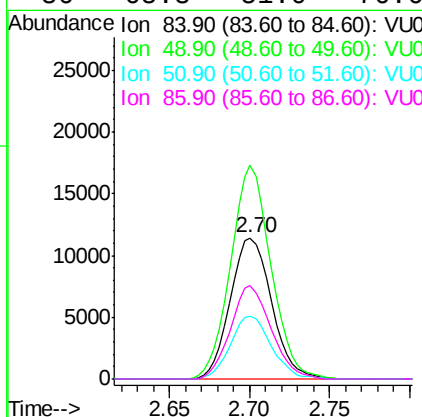
Manual Integrations
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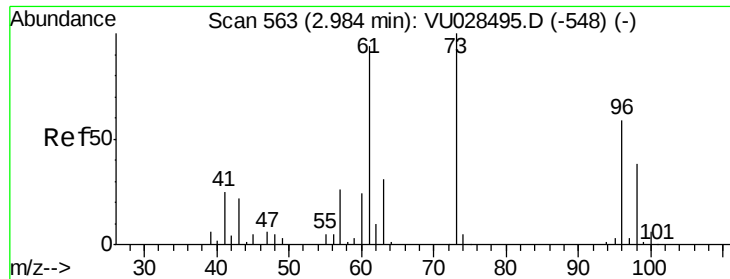
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#20
Methylene Chloride
Concen: 18.670 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 84 Resp: 20151
Ion Ratio Lower Upper
84 100
49 151.0 114.0 171.0
51 44.8 35.1 52.7
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.412 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

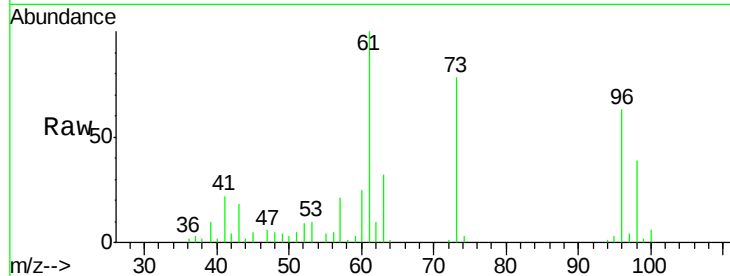
ClientSampleId :

VU1215WBS02

Tgt Ion:	96	Resp:	17891
Ion	Ratio	Lower	Upper
96	100		
61	157.6	127.0	190.4
98	62.1	51.9	77.9

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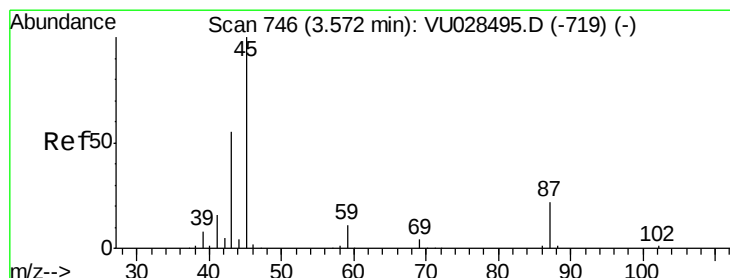
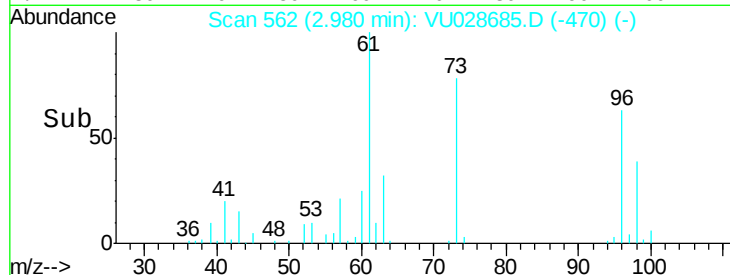
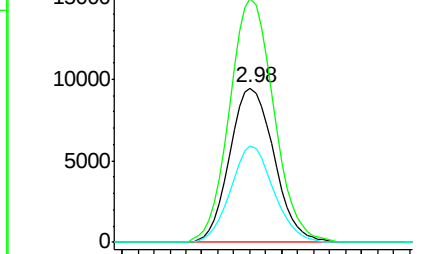
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Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

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

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



#22

Diisopropyl ether

Concen: 20.716 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

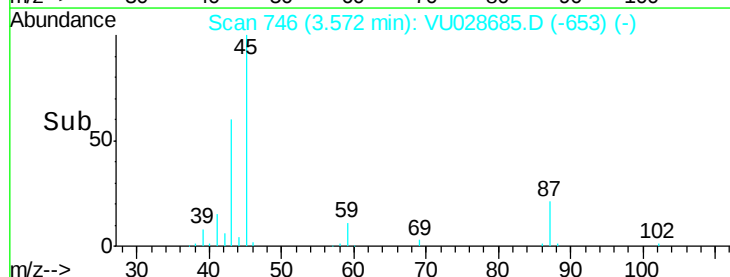
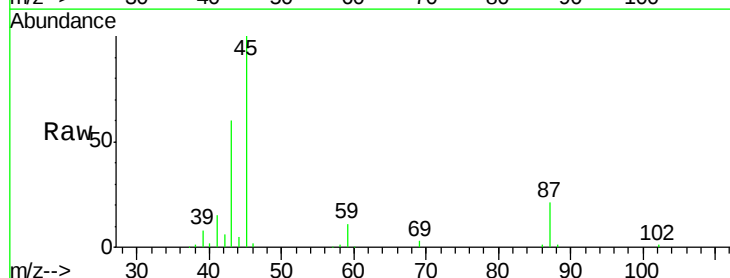
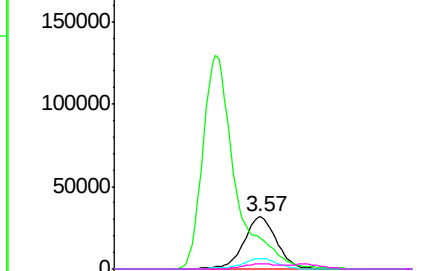
Tgt Ion:	45	Resp:	78013
Ion	Ratio	Lower	Upper
45	100		
43	57.9	45.3	67.9
87	20.8	17.6	26.4
59	10.6	8.8	13.2

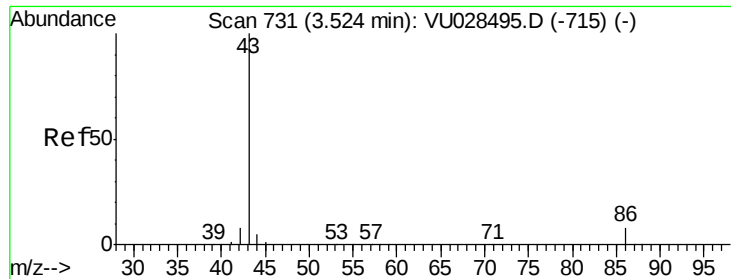
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

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) (-)





#23

Vinyl Acetate

Concen: 101.548 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 43 Resp: 315434

Ion Ratio Lower Upper

43 100

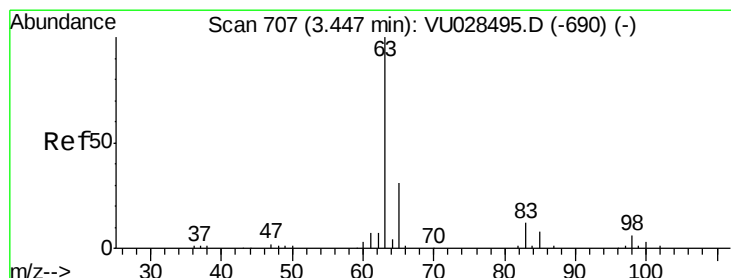
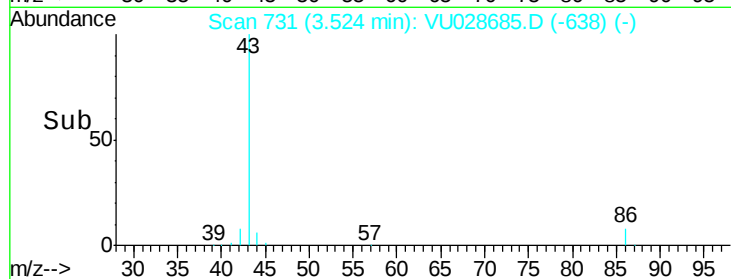
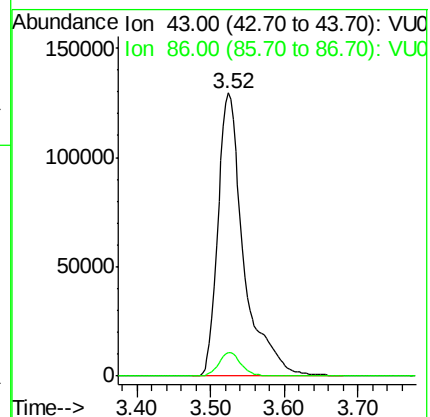
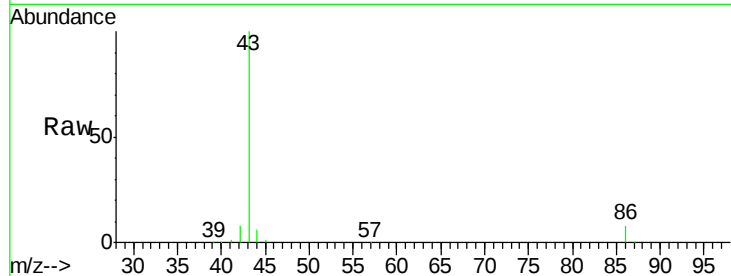
86 8.2 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.039 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

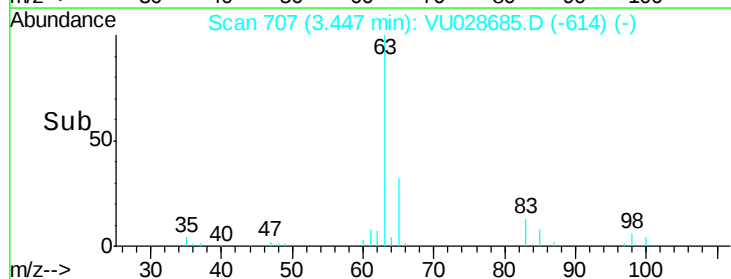
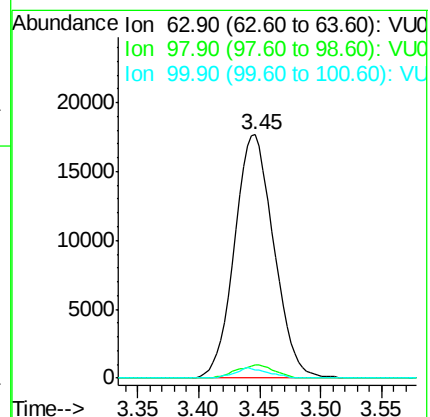
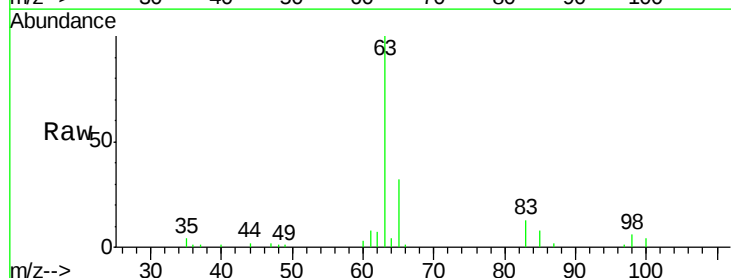
Tgt Ion: 63 Resp: 39502

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.5 1.7 5.1





#25

2-Butanone

Concen: 104.804 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 43 Resp: 104864

Ion Ratio Lower Upper

43 100

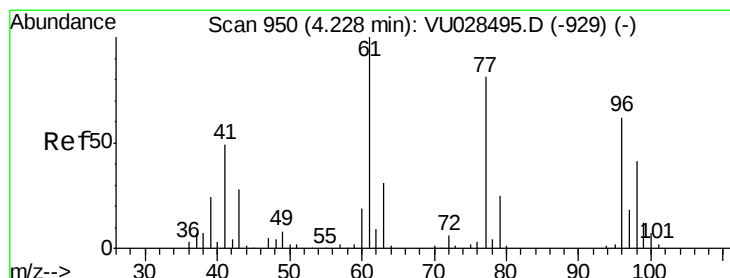
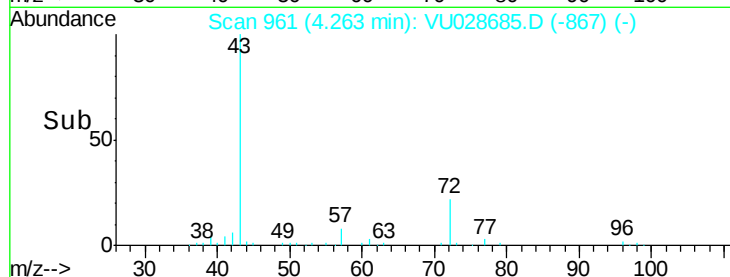
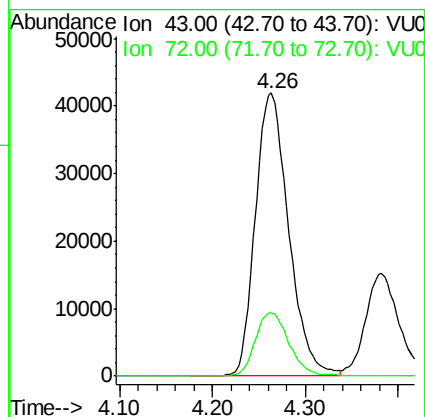
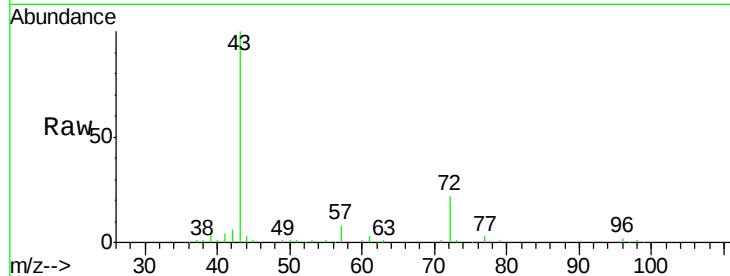
72 22.4 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.158 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028685.D

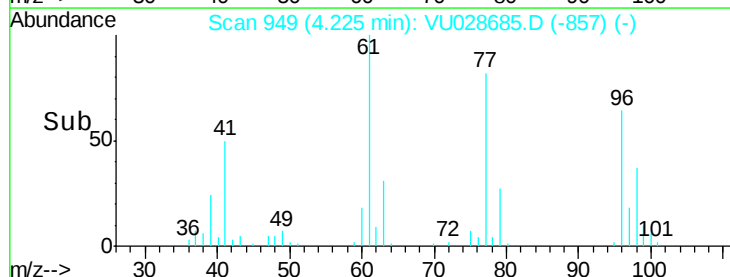
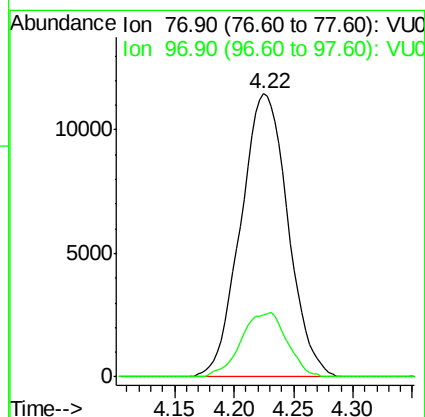
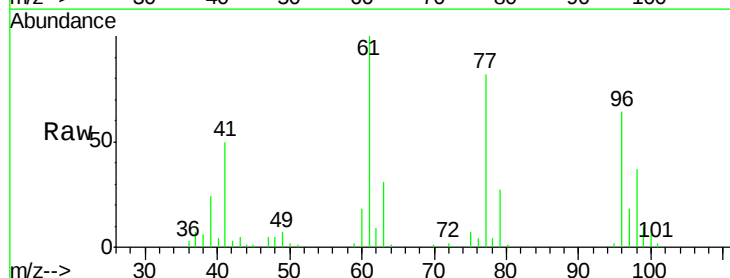
Acq: 14 Dec 2018 16:03

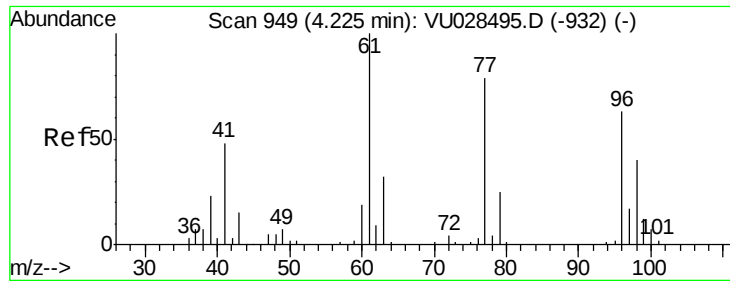
Tgt Ion: 77 Resp: 31486

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





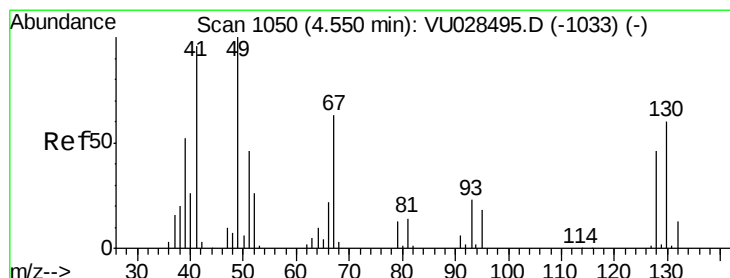
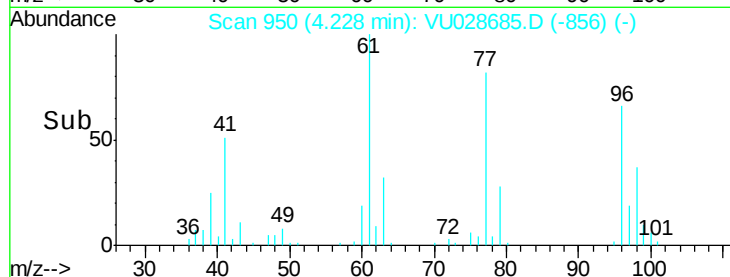
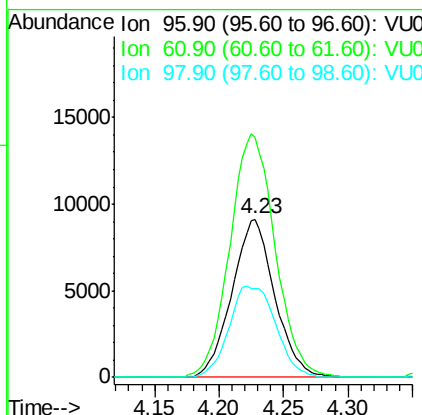
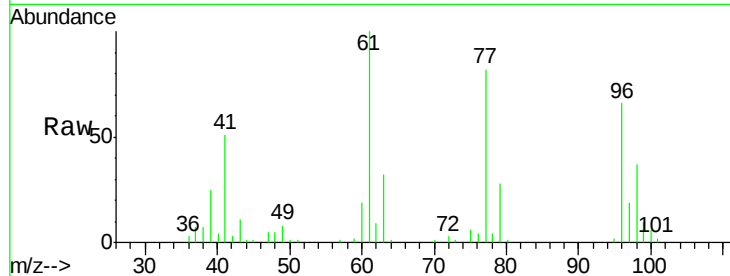
#27
 cis-1,2-Dichloroethene
 Concen: 20.163 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21034		
61	163.0	0.0	332.4	
98	63.0	0.0	129.0	

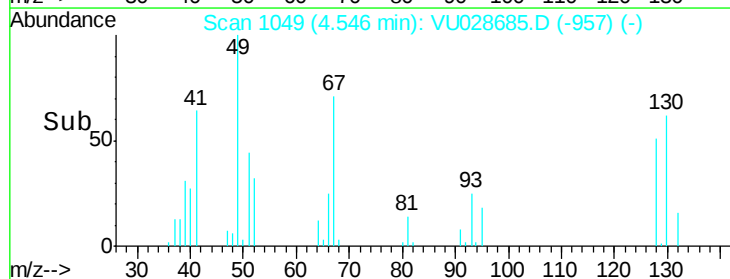
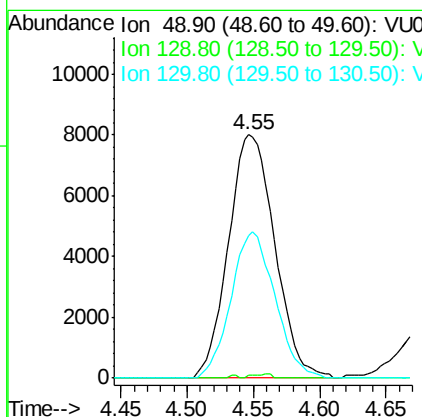
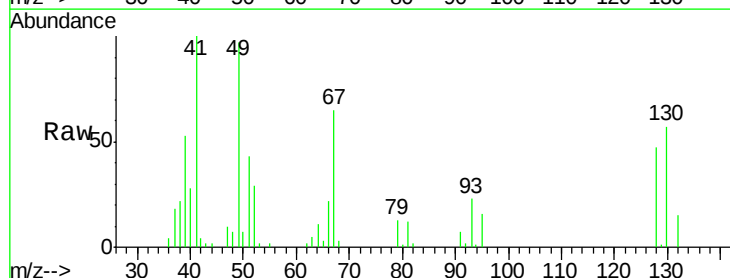
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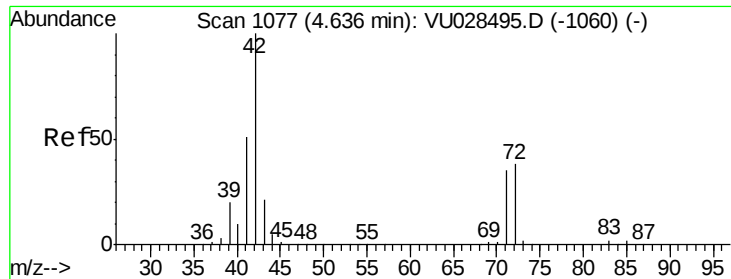
MMDadoda
 12/17/2018 9:48:44 AM



#28
 Bromochloromethane
 Concen: 21.738 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19480		
129	0.7	0.0	3.0	
130	56.9	47.8	71.8	





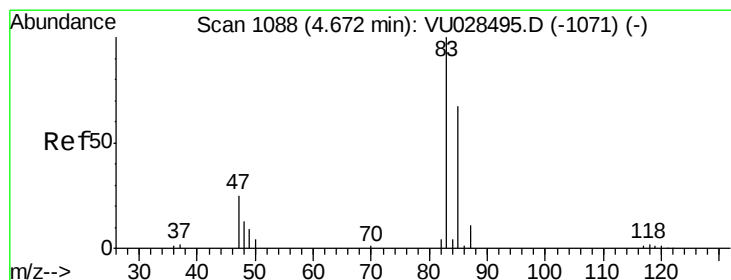
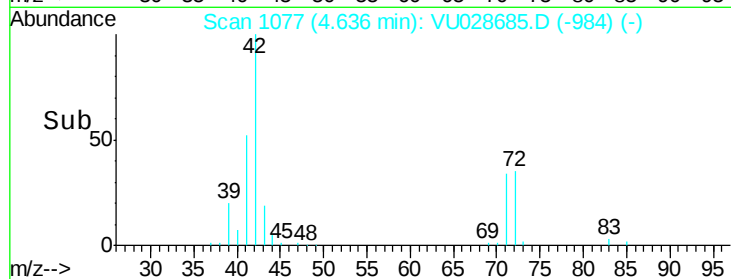
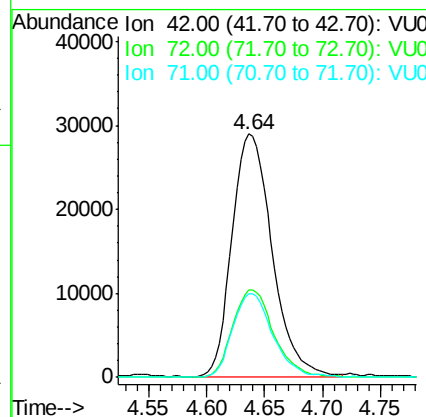
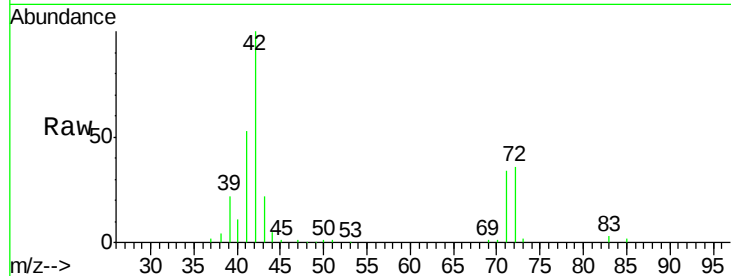
#29
Tetrahydrofuran
Concen: 109.028 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.4	47.0
71	34.2	28.6	43.0

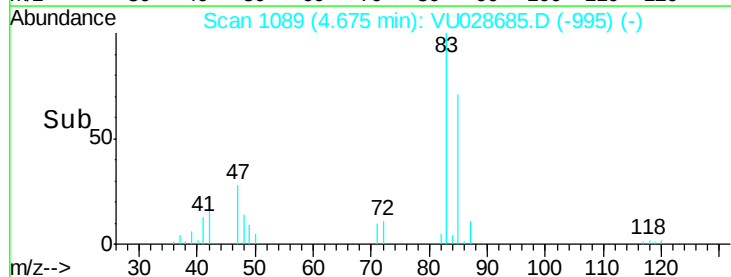
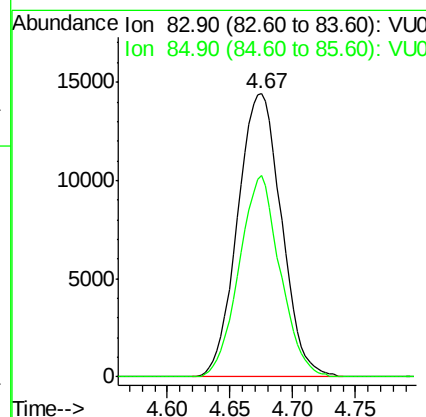
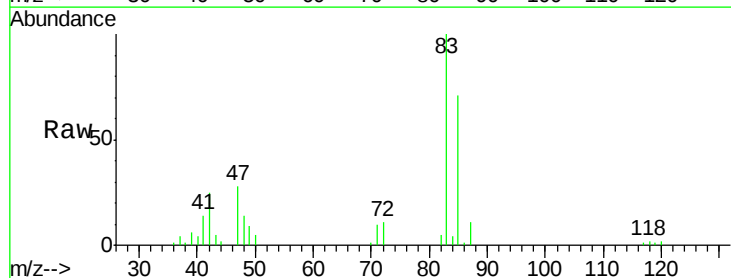
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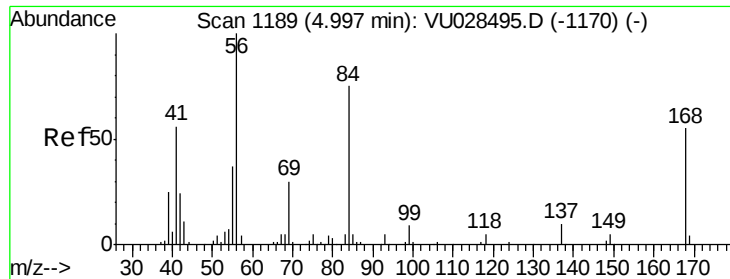
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#30
Chloroform
Concen: 20.395 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.0	53.6	80.4





#31

Cyclohexane

Concen: 19.629 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

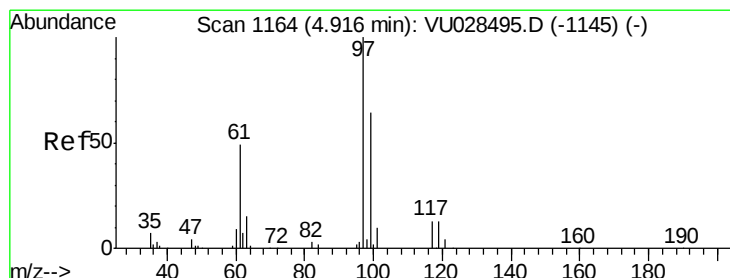
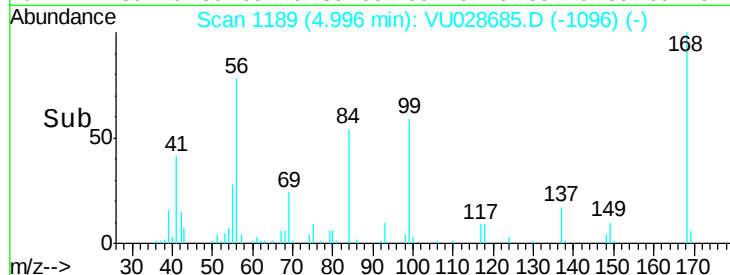
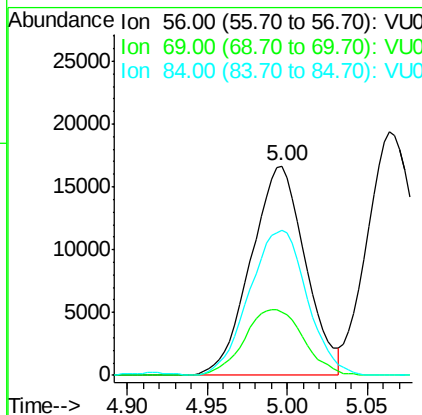
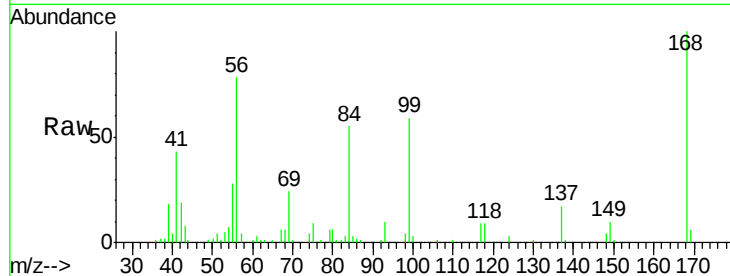
ClientSampleId :

VU1215WBS02

Tgt Ion:	56	Resp:	39159
Ion Ratio	Lower	Upper	
56	100		
69	30.1	24.0	36.0
84	69.6	59.7	89.5

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#32

1,1,1-Trichloroethane

Concen: 20.454 ug/l

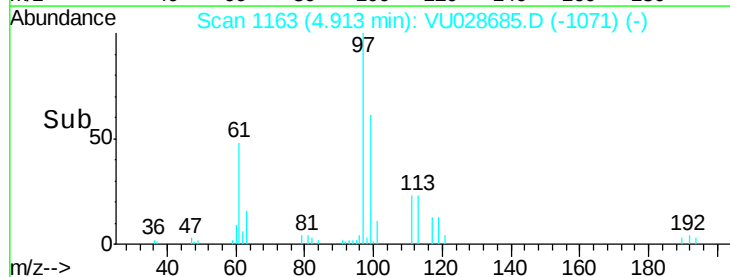
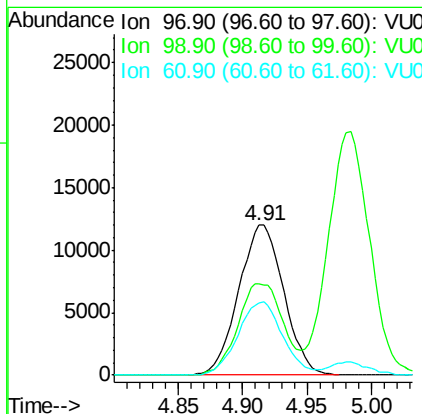
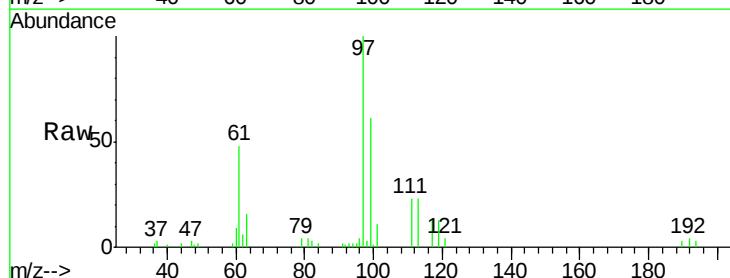
RT: 4.91 min Scan# 1163

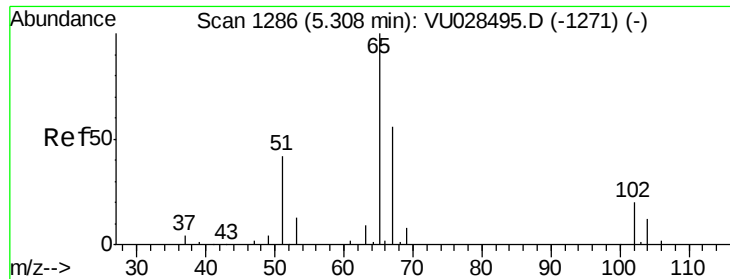
Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	97	Resp:	29186
Ion Ratio	Lower	Upper	
97	100		
99	61.5	52.3	78.5
61	48.3	39.0	58.6





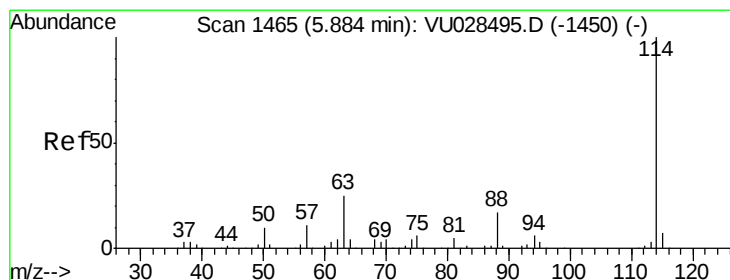
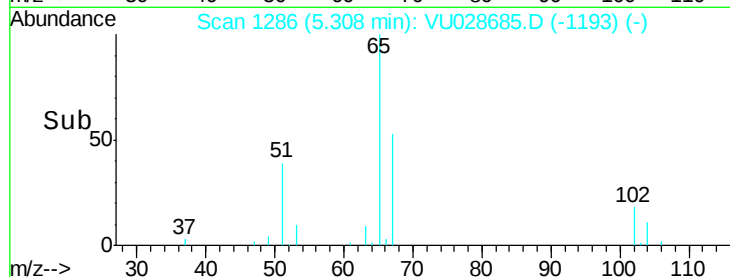
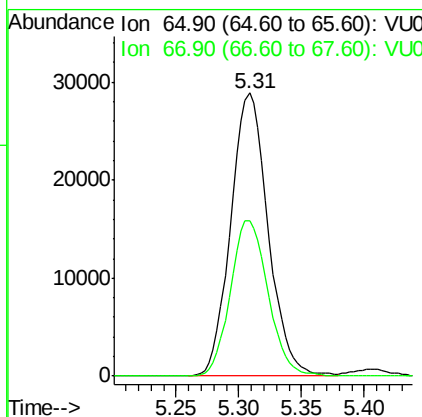
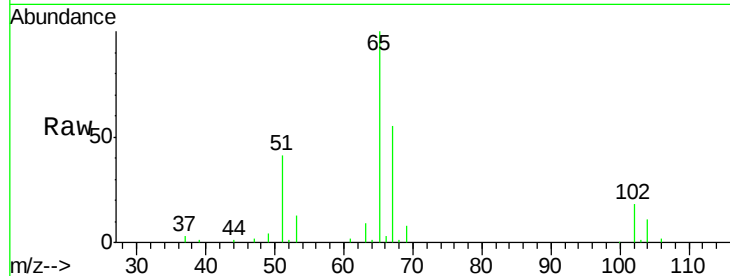
#33
 1,2-Dichloroethane-d4
 Concen: 53.380 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion: 65 Resp: 59893
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6

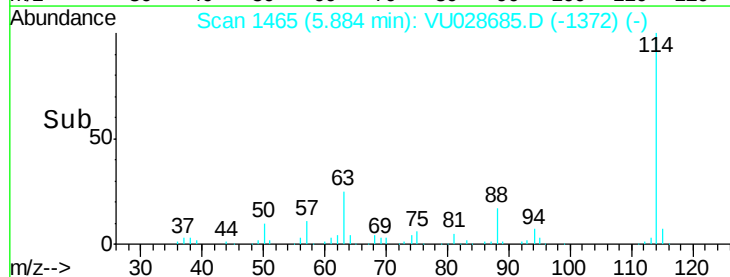
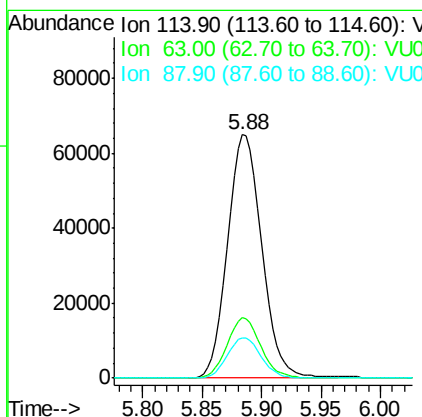
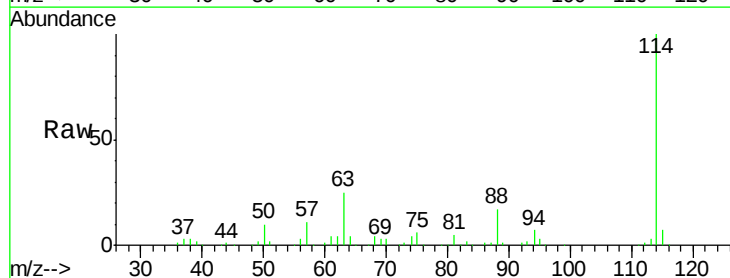
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 114 Resp: 129763
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 16.7 0.0 33.4





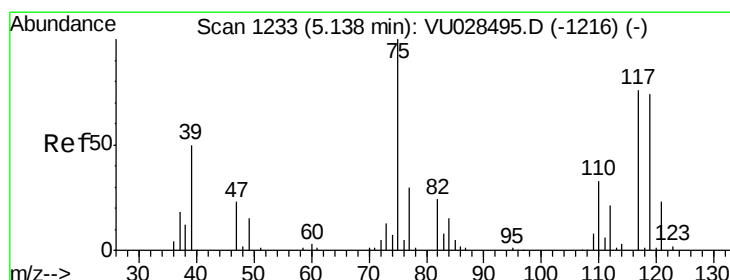
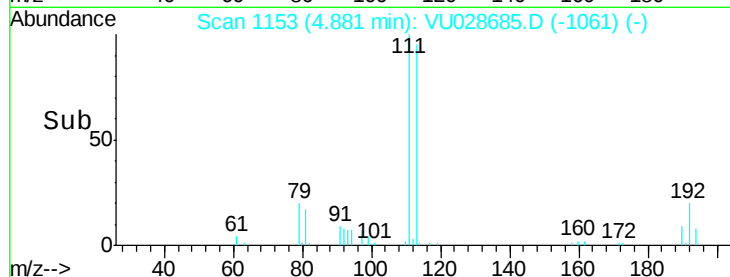
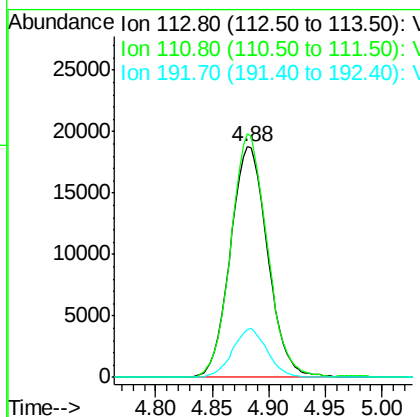
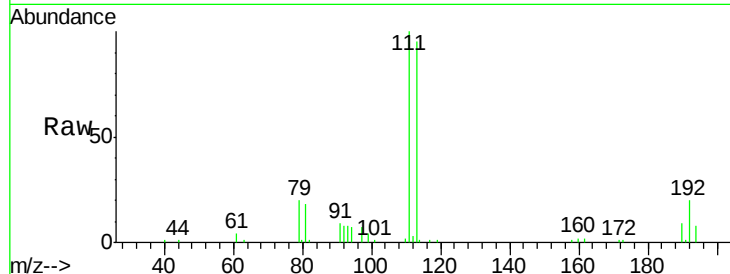
#35
 Dibromofluoromethane
 Concen: 52.801 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	43118		
111	102.9	83.4	125.0	
192	19.6	14.8	22.2	

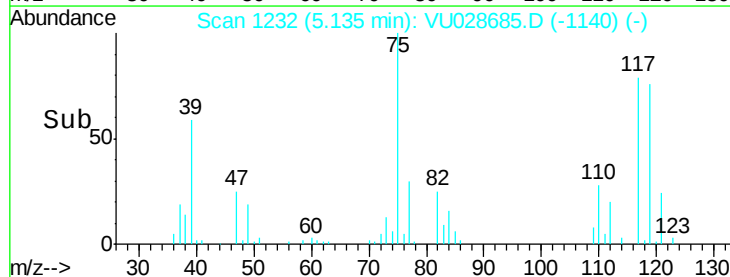
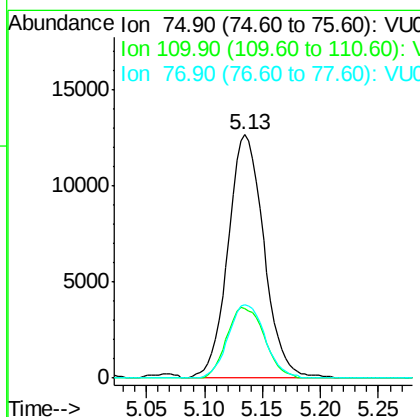
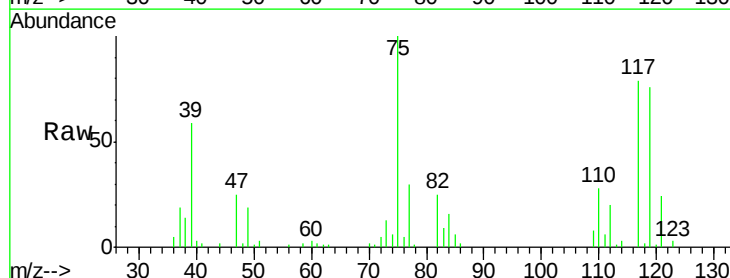
Manual Integrations
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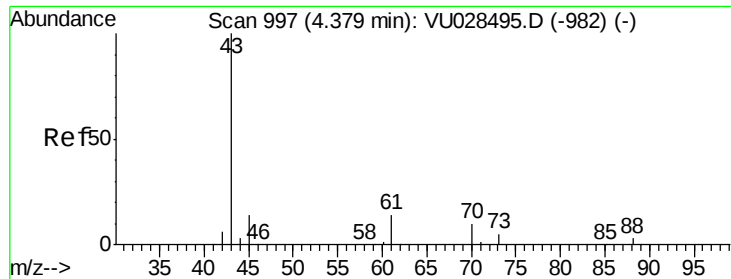
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 12/17/2018 9:48:44 AM



#36
 1,1-Dichloropropene
 Concen: 19.207 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27273		
110	30.2	16.1	48.2	
77	31.0	24.5	36.7	





#37

Ethyl Acetate

Concen: 20.822 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

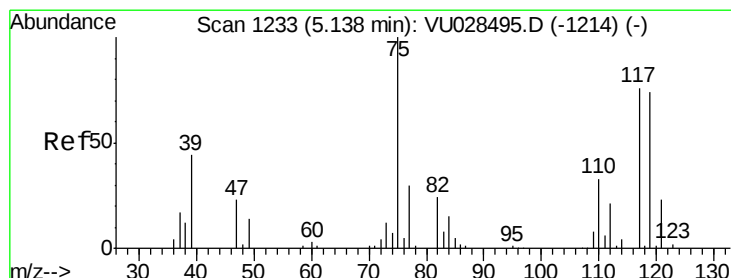
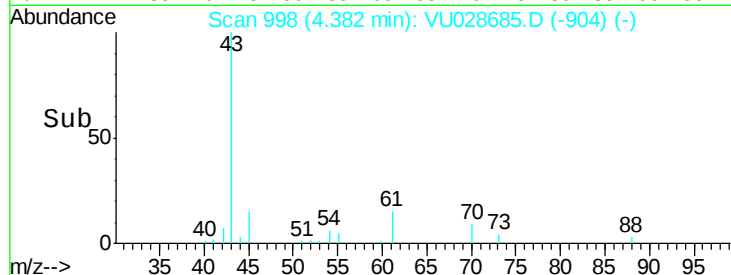
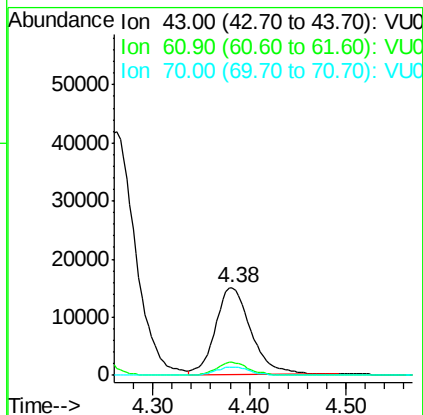
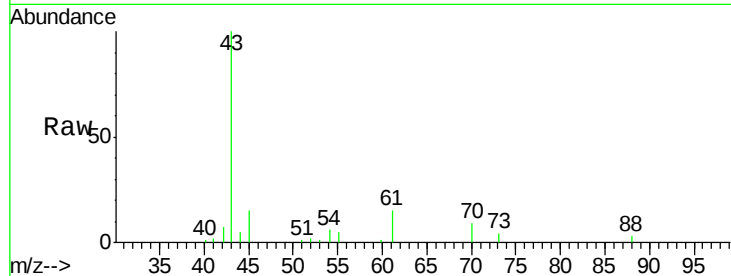
ClientSampleId :

VU1215WBS02

Tgt Ion:	43	Resp:	38221
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	8.8	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 20.107 ug/l

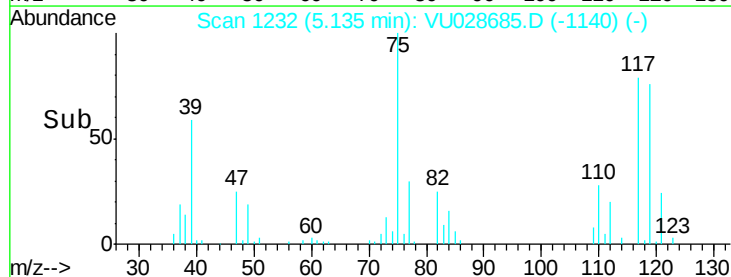
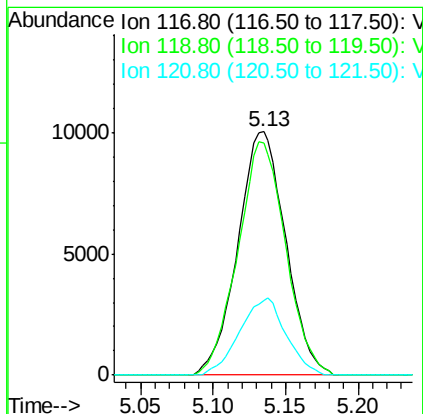
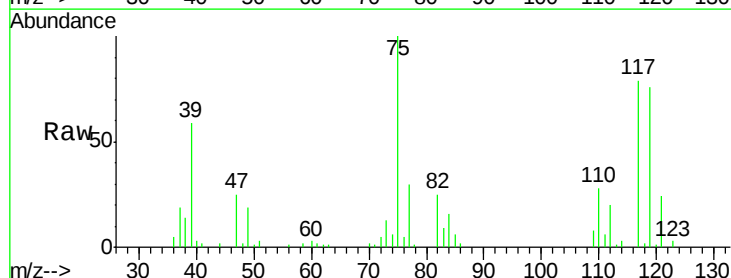
RT: 5.13 min Scan# 1232

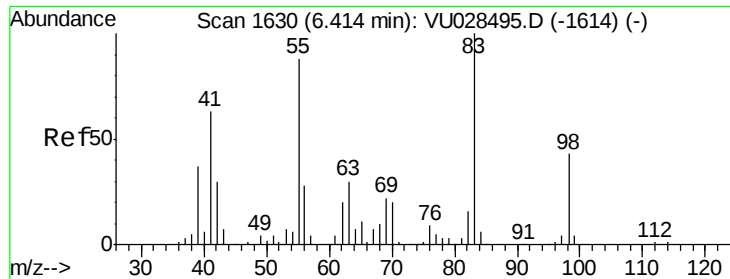
Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	117	Resp:	23012
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.6	116.4
121	30.5	24.6	36.8





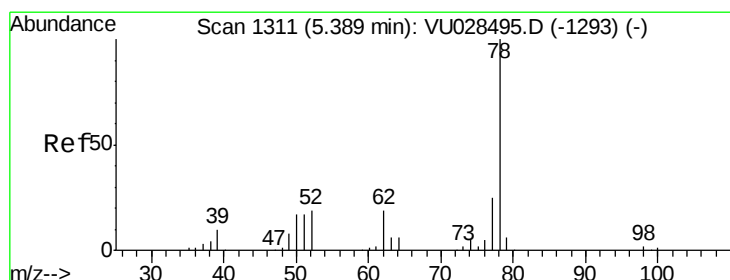
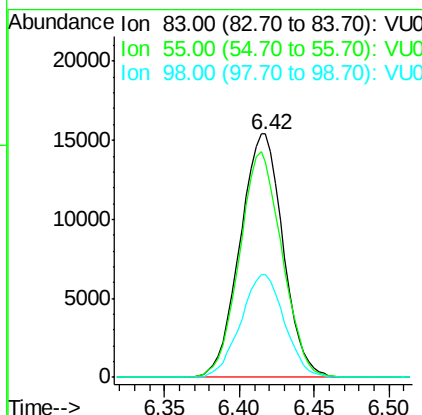
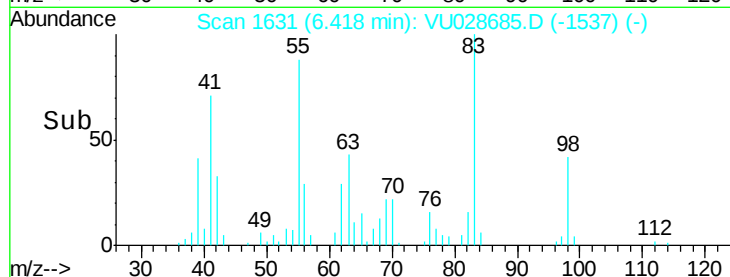
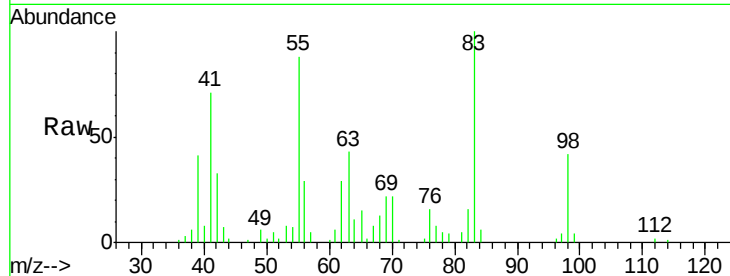
#39
Methylcyclohexane
Concen: 17.804 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion: 83 Resp: 30842
Ion Ratio Lower Upper
83 100
55 88.3 70.2 105.2
98 42.1 34.2 51.4

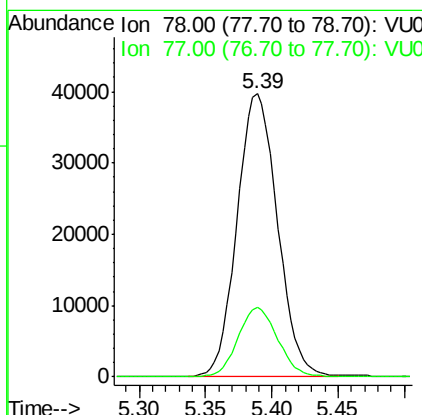
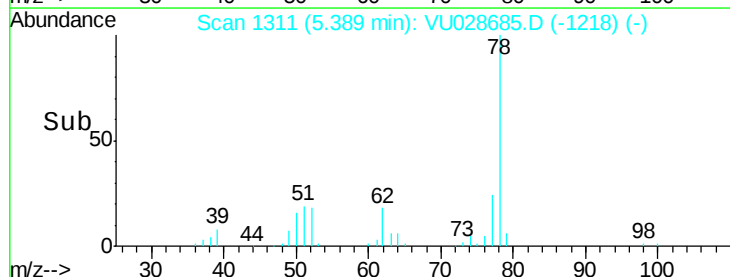
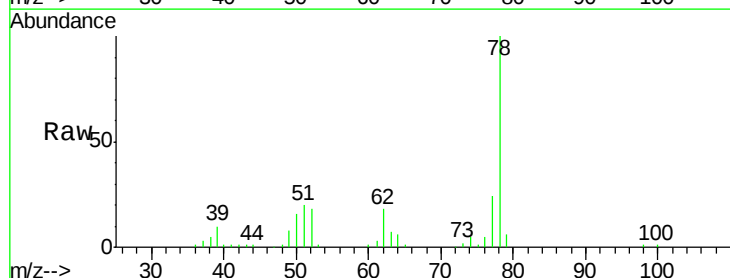
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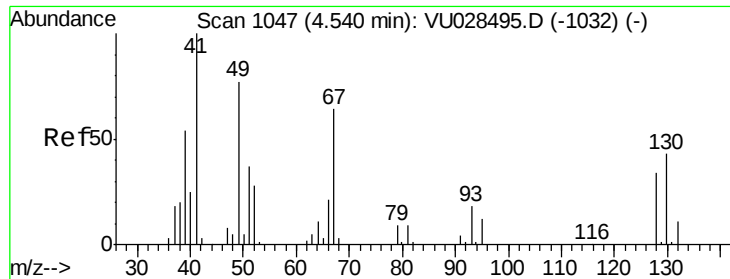
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#40
Benzene
Concen: 20.154 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 78 Resp: 84288
Ion Ratio Lower Upper
78 100
77 24.5 19.9 29.9





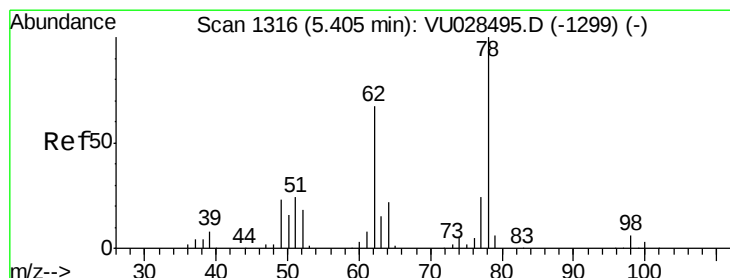
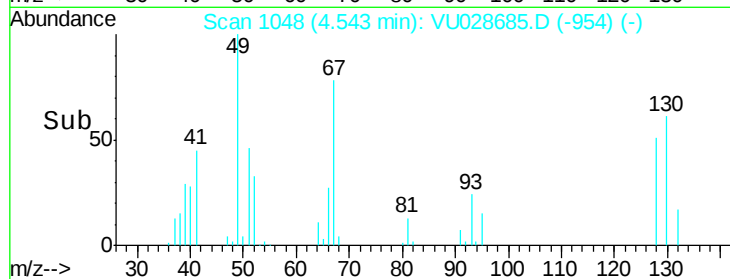
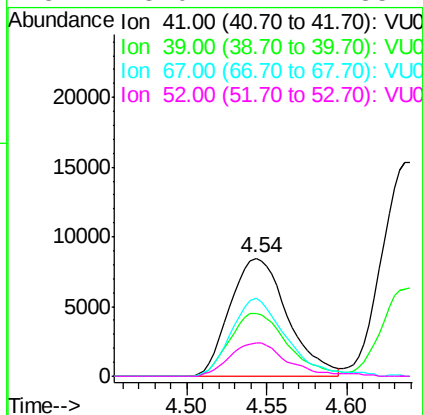
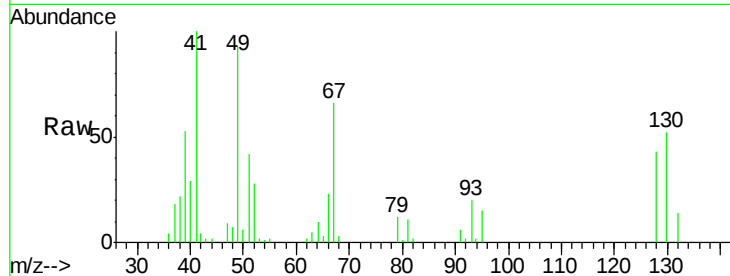
#41
Methacrylonitrile
Concen: 20.711 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	43.3	64.9	
67	63.3	53.6	80.4	
52	28.0	22.1	33.1	

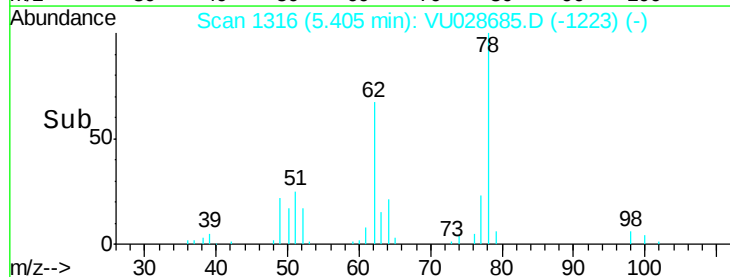
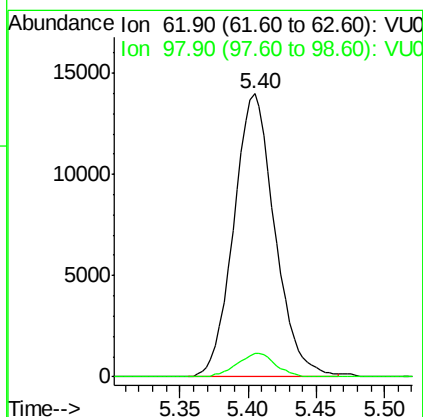
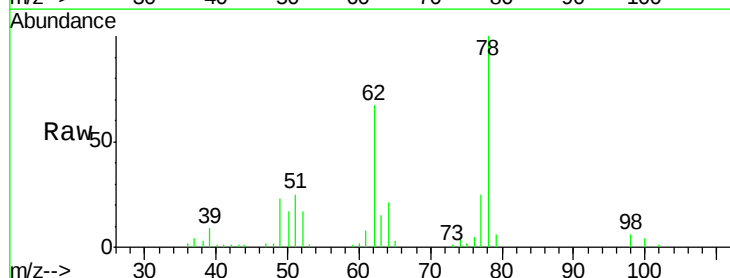
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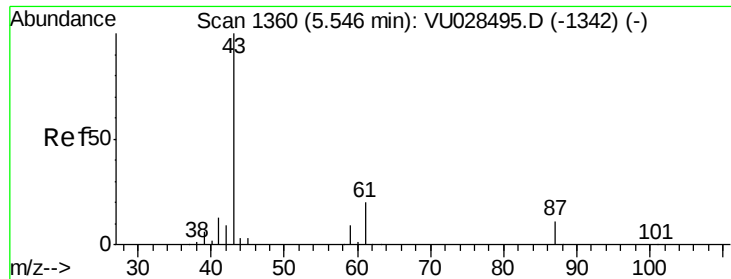
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#42
1,2-Dichloroethane
Concen: 19.976 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	17.2	





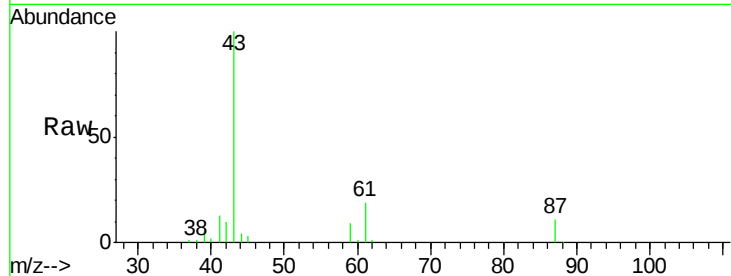
#43
Isopropyl Acetate
Concen: 20.767 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

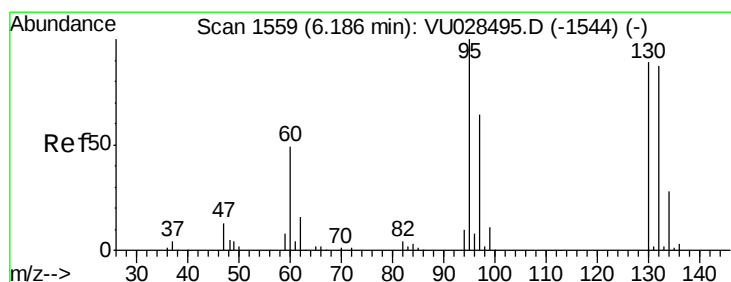
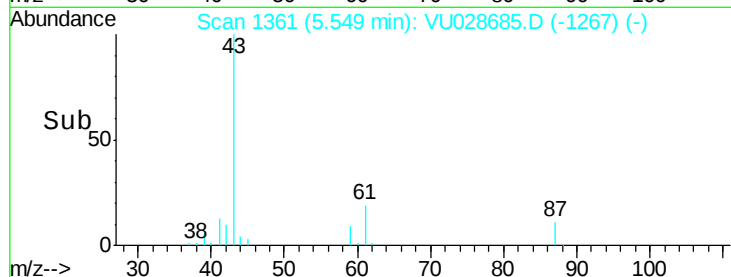
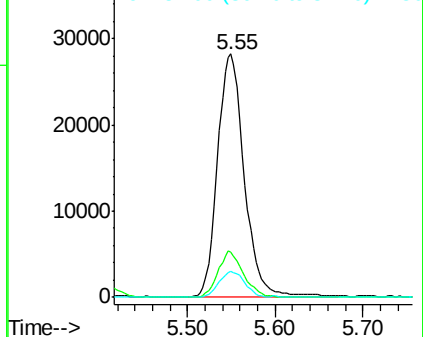
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.5	23.3
87	10.2	8.7	13.1

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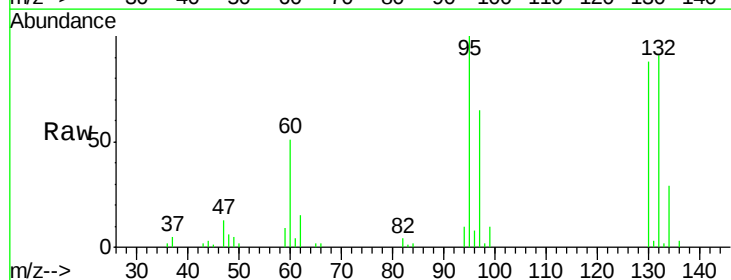


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

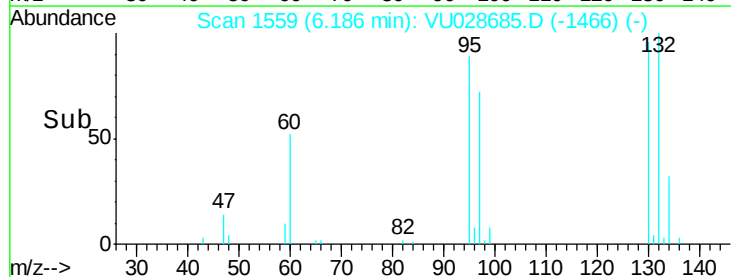
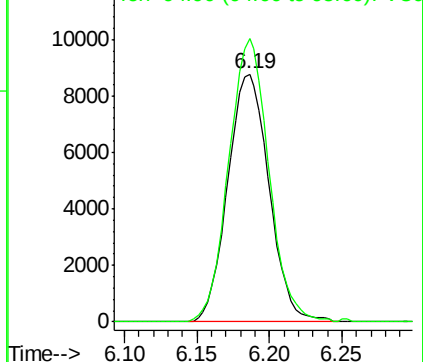


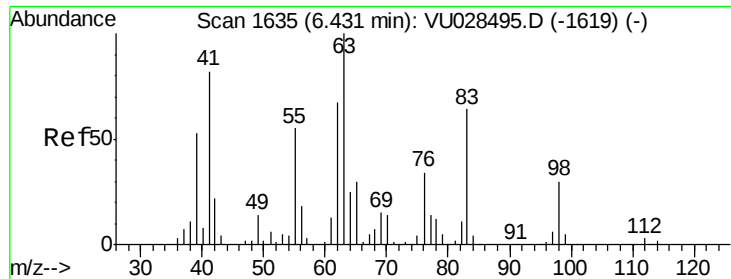
#44
Trichloroethene
Concen: 18.659 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.2	0.0	224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)





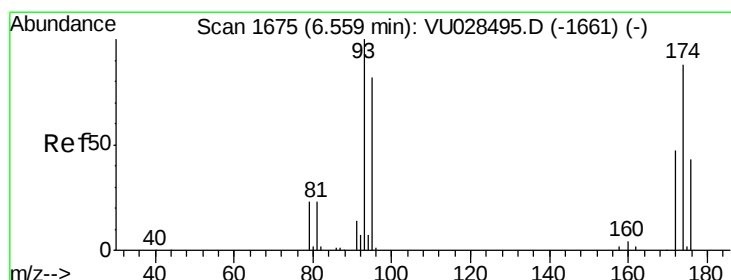
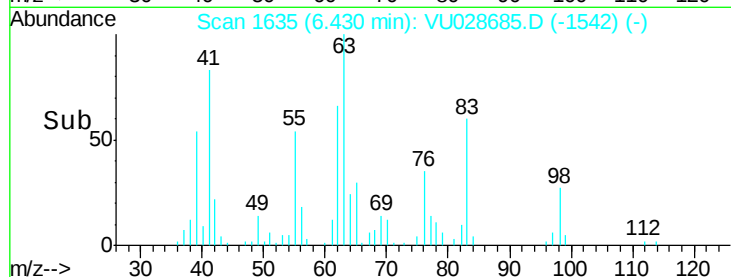
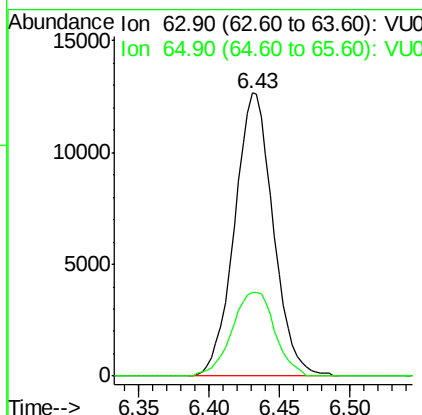
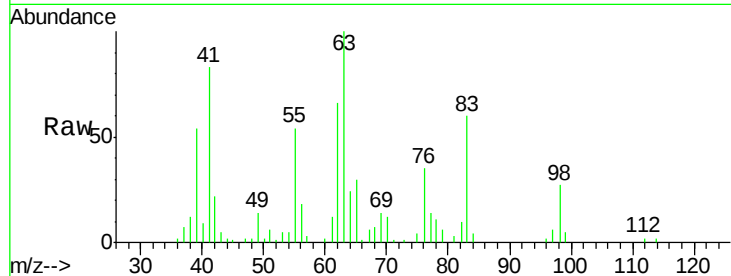
#45
1,2-Dichloropropane
Concen: 20.656 ug/l
RT: 6.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion: 63 Resp: 24293
Ion Ratio Lower Upper
63 100
65 29.7 24.2 36.4

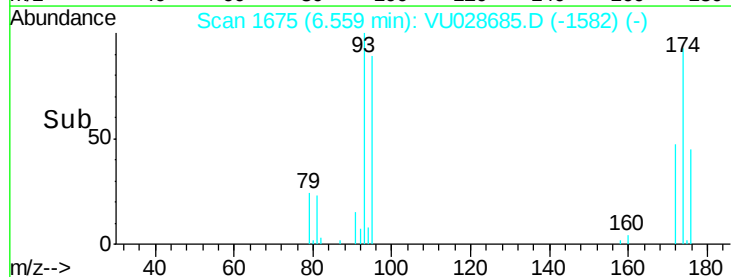
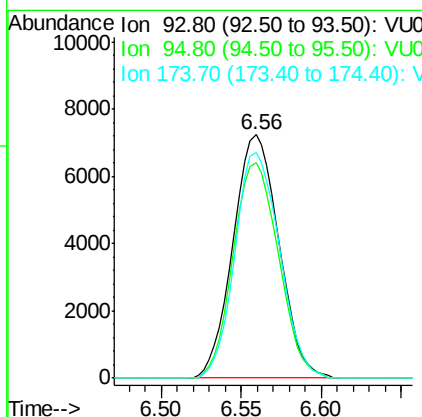
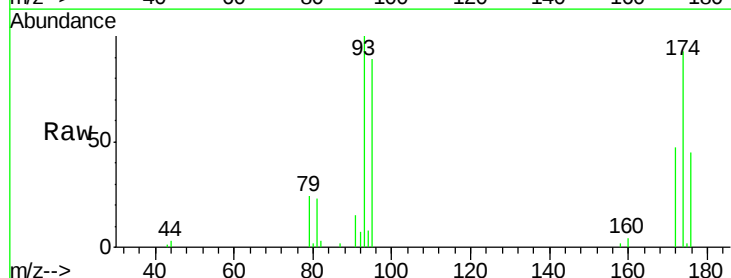
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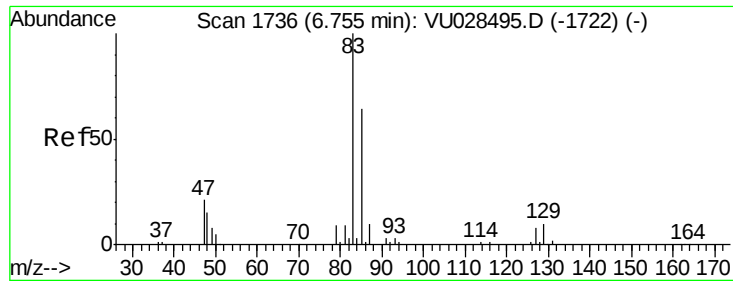
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#46
Dibromomethane
Concen: 20.281 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 93 Resp: 14152
Ion Ratio Lower Upper
93 100
95 87.8 65.4 98.2
174 90.2 72.2 108.4





#47

Bromodichloromethane

Concen: 20.180 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

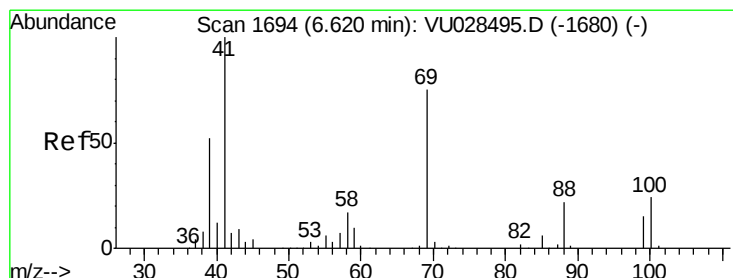
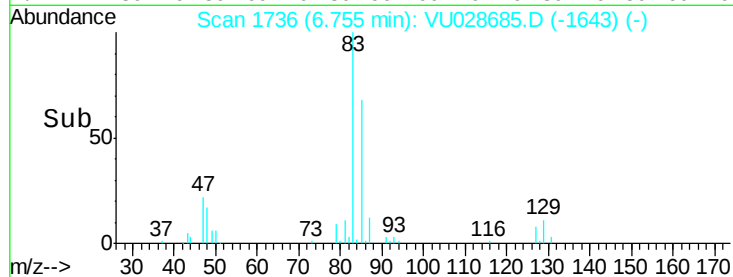
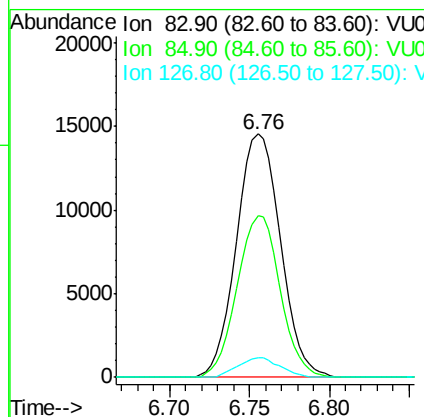
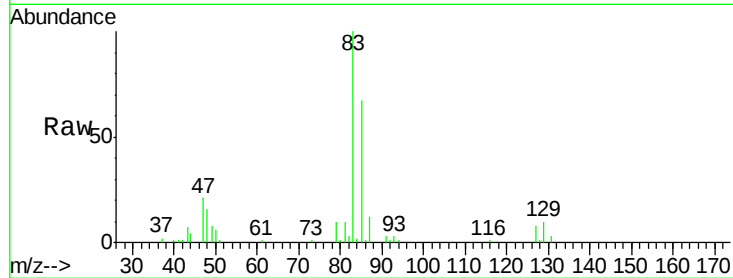
ClientSampleId :

VU1215WBS02

Tgt Ion:	83	Resp:	27401
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.5	77.3
127	8.3	6.2	9.4

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#48

Methyl methacrylate

Concen: 21.097 ug/l

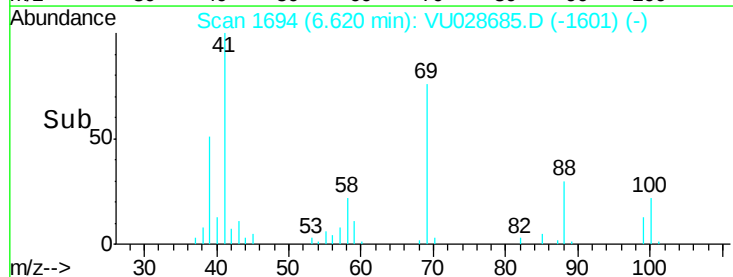
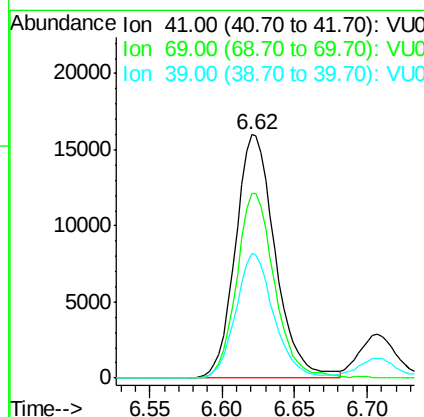
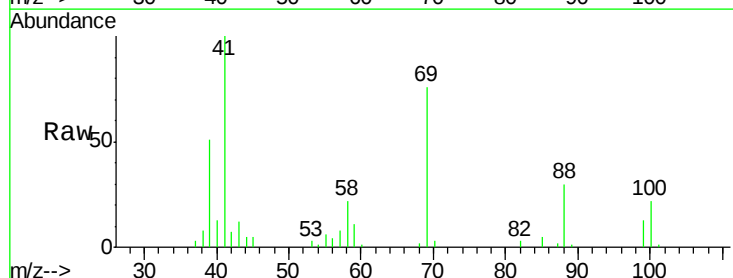
RT: 6.62 min Scan# 1694

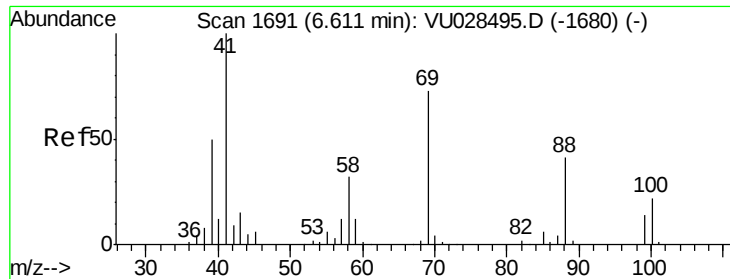
Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	41	Resp:	30461
Ion	Ratio	Lower	Upper
41	100		
69	72.1	60.4	90.6
39	48.8	41.1	61.7





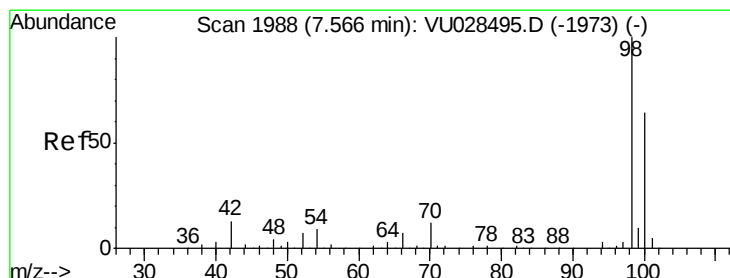
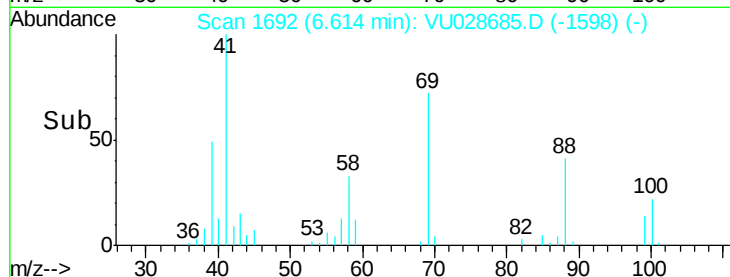
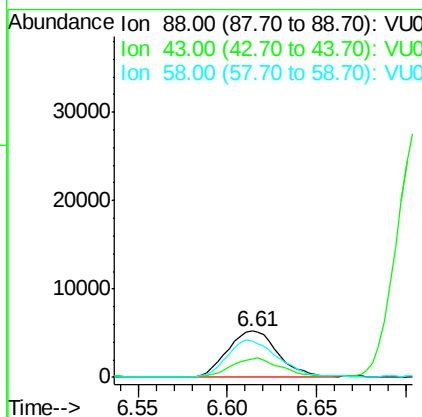
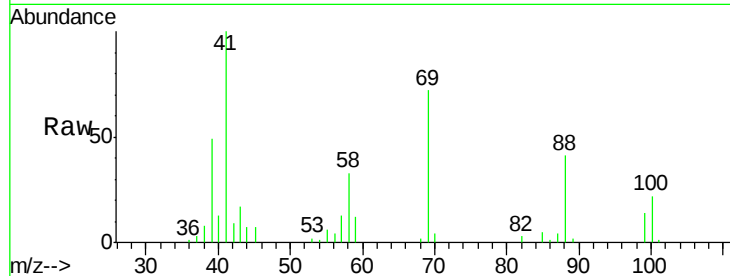
#49
1,4-Dioxane
Concen: 458.020 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	42.2	30.9	46.3
58	81.2	62.4	93.6

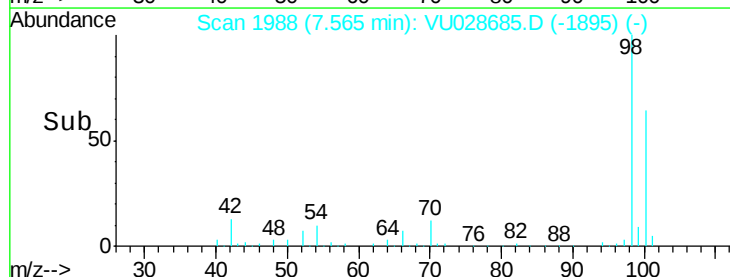
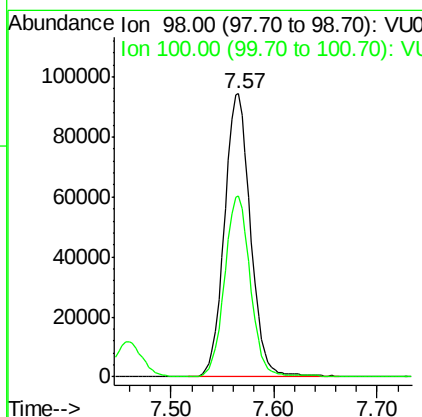
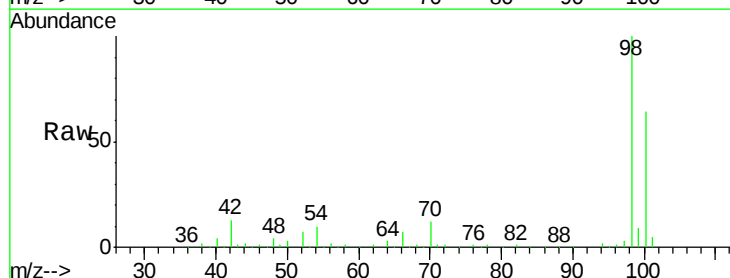
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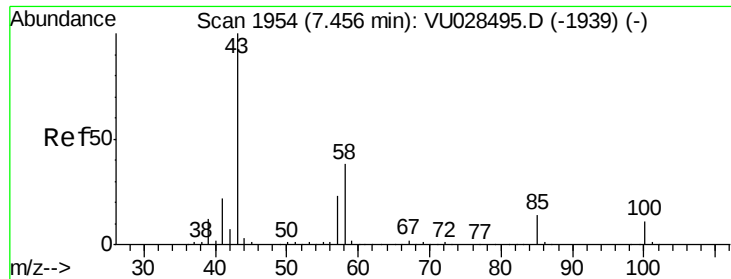
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12/17/2018 9:48:44 AM



#50
Toluene-d8
Concen: 51.528 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 105.355 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 43 Resp: 192926

Ion Ratio Lower Upper

43 100

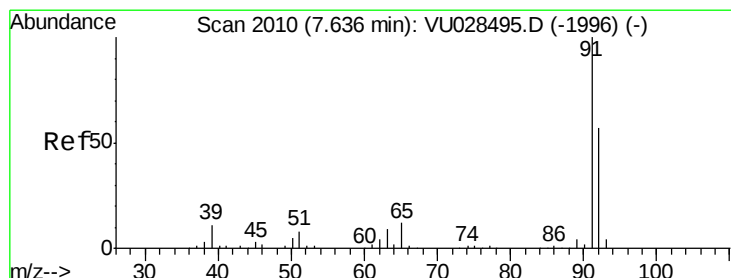
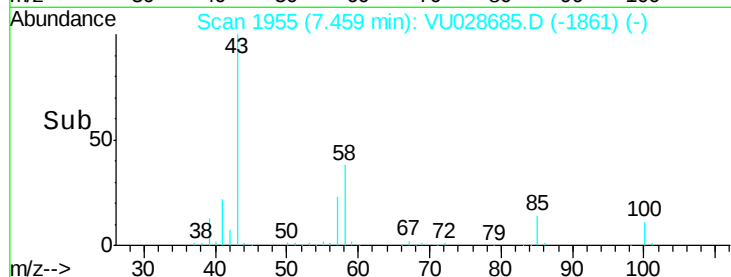
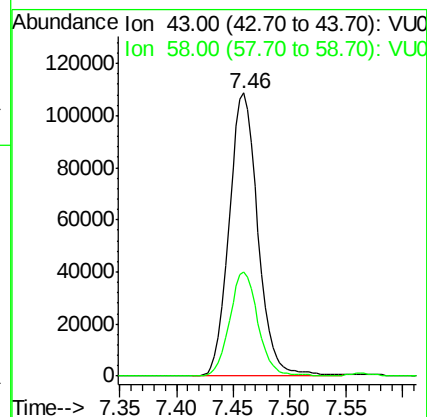
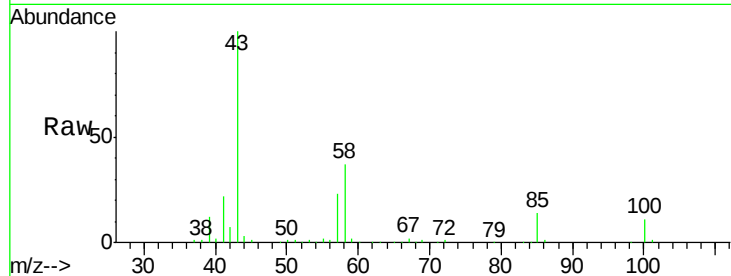
58 36.3 30.2 45.2

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12/17/2018 9:48:44 AM



#52

Toluene

Concen: 19.700 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028685.D

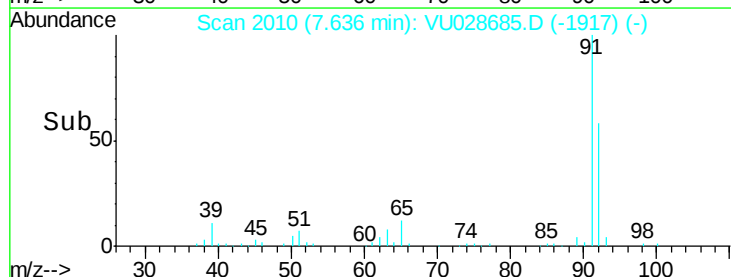
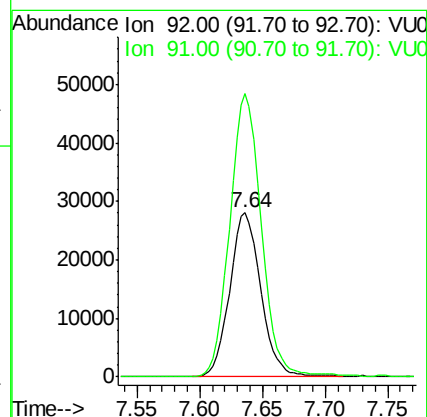
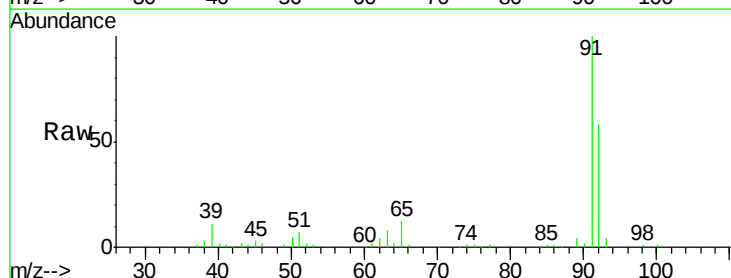
Acq: 14 Dec 2018 16:03

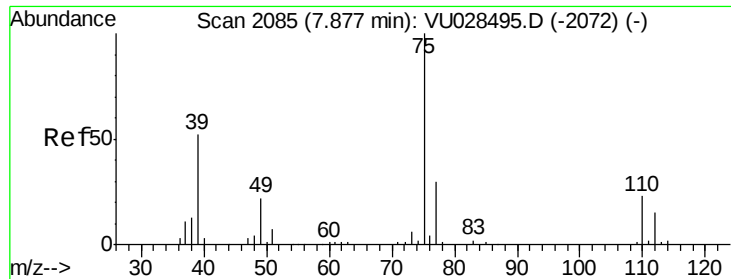
Tgt Ion: 92 Resp: 48487

Ion Ratio Lower Upper

92 100

91 173.3 140.2 210.4





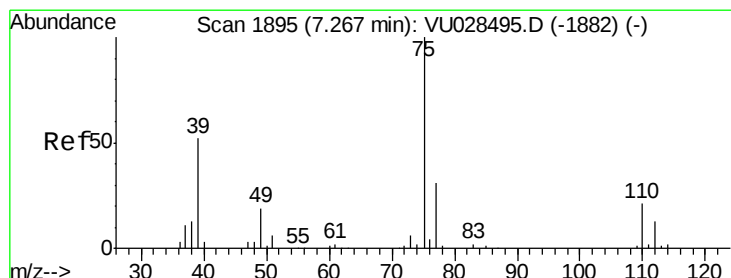
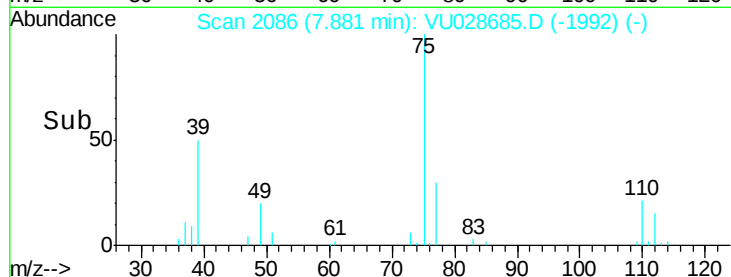
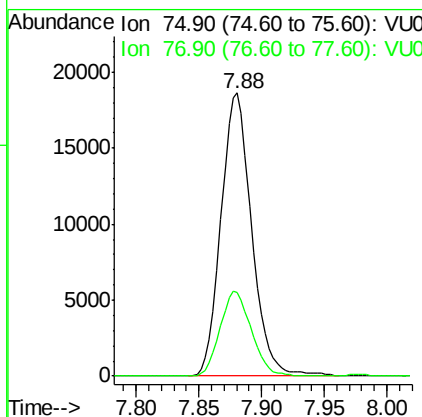
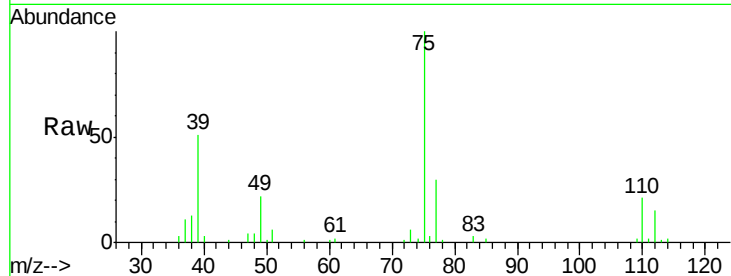
#53
 t-1,3-Dichloropropene
 Concen: 19.517 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion: 75 Resp: 31563
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.2 36.4

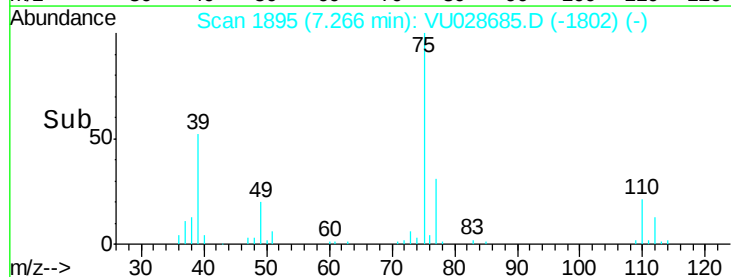
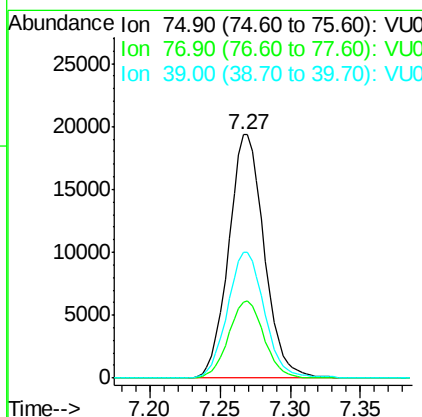
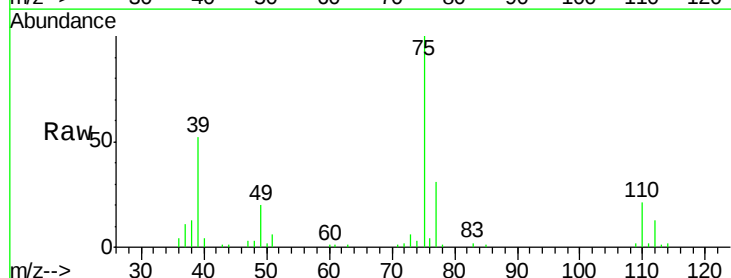
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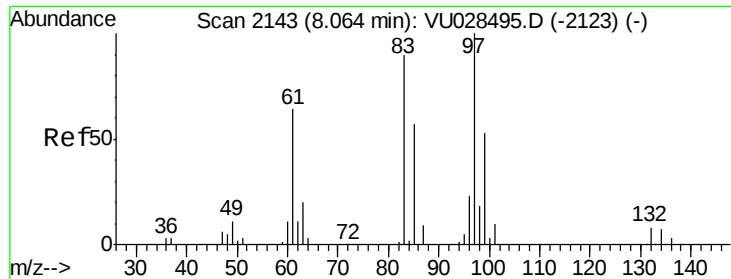
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#54
 cis-1,3-Dichloropropene
 Concen: 19.457 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 75 Resp: 34138
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4
 39 51.8 41.3 61.9





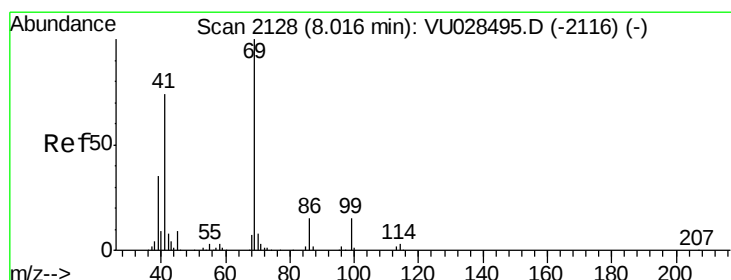
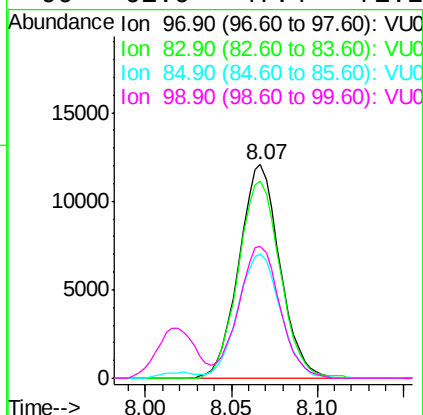
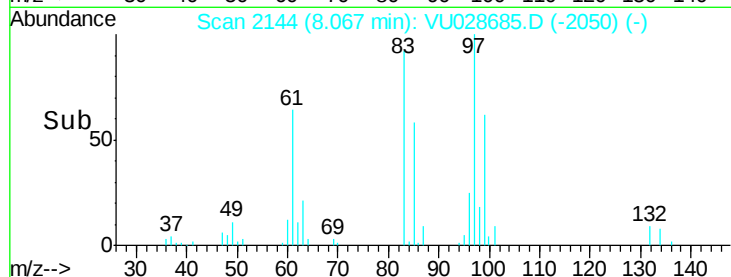
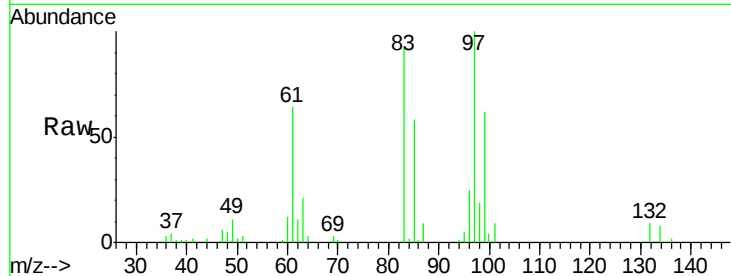
#55
 1,1,2-Trichloroethane
 Concen: 20.507 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.3	72.4	108.6
85	58.4	46.0	69.0
99	61.9	47.4	71.2

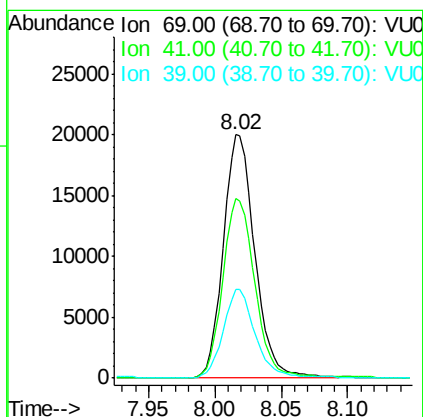
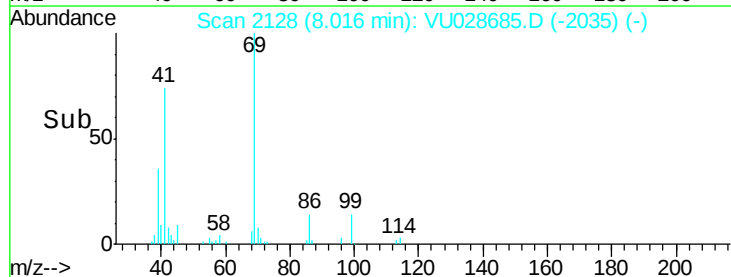
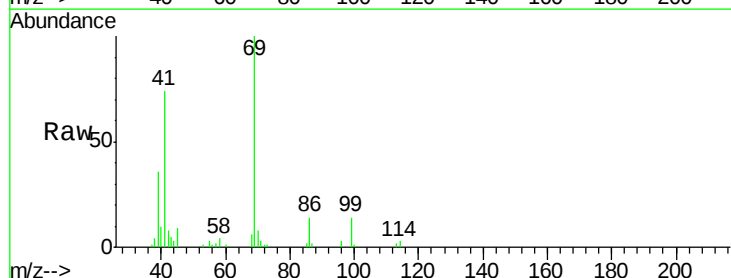
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#56
 Ethyl methacrylate
 Concen: 19.818 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.1	88.7
39	36.6	28.4	42.6





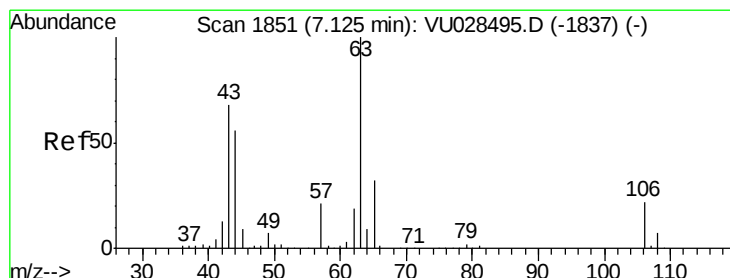
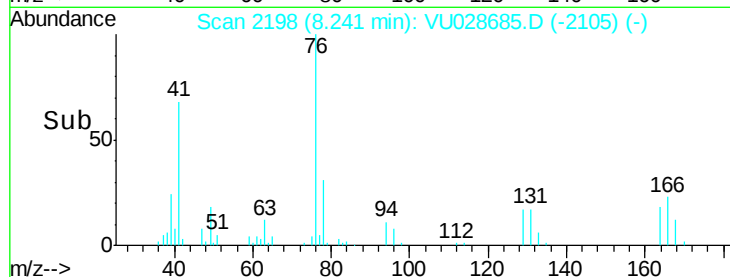
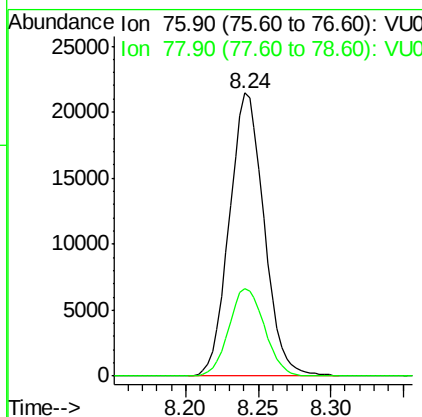
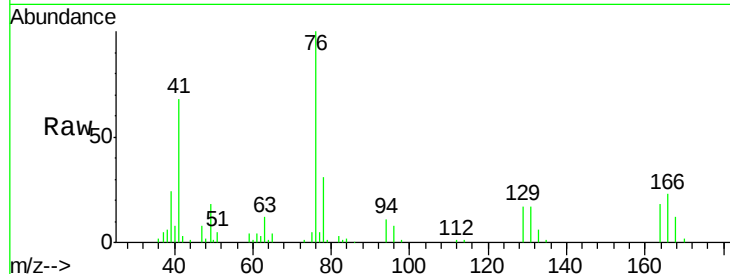
#57
 1,3-Dichloropropane
 Concen: 19.798 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion: 76 Resp: 35756
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

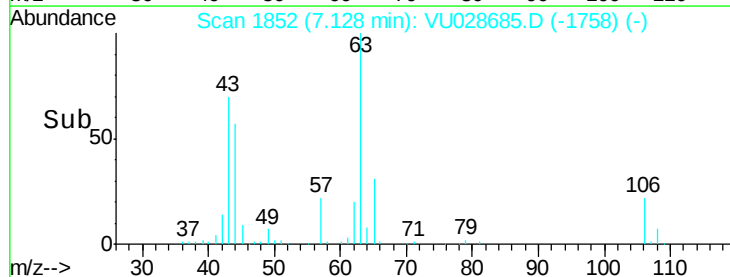
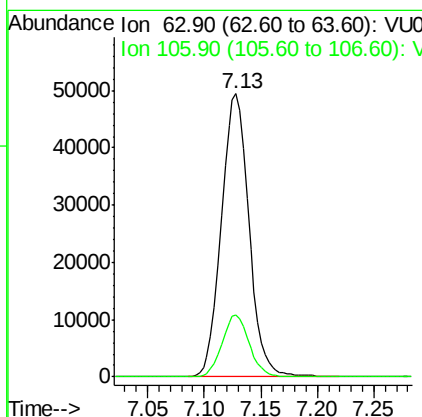
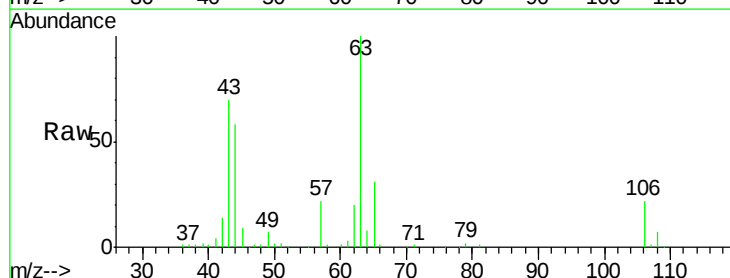
Manual Integrations
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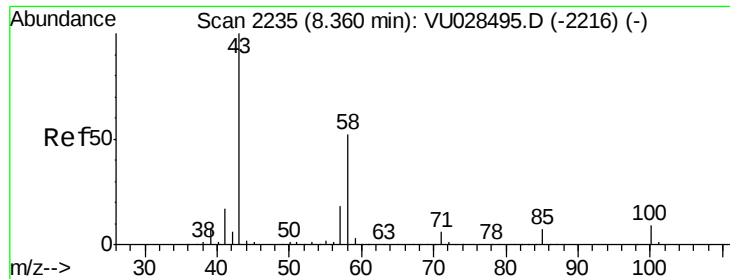
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.584 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 63 Resp: 84129
 Ion Ratio Lower Upper
 63 100
 106 21.5 17.8 26.6





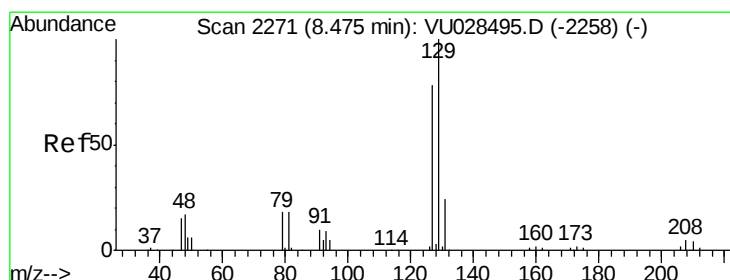
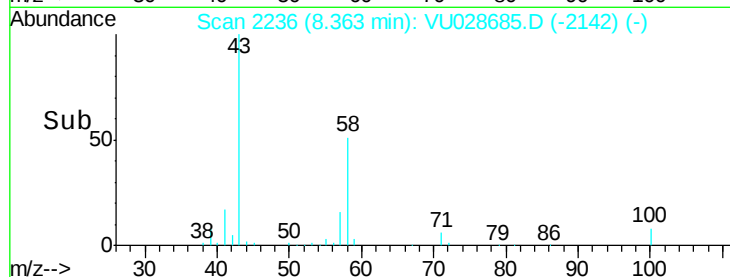
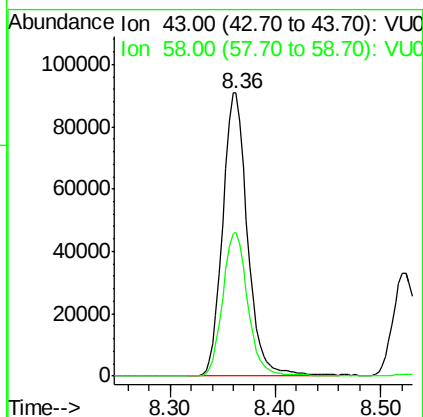
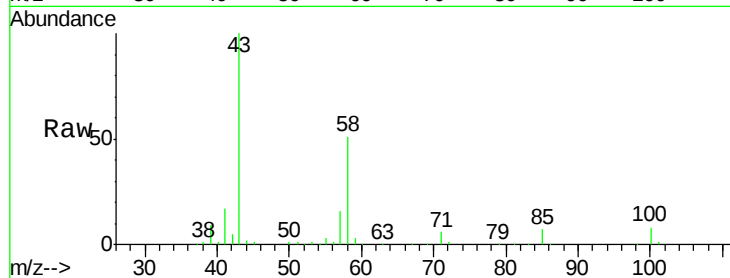
#59
2-Hexanone
Concen: 102.081 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion: 43 Resp: 148163
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.6

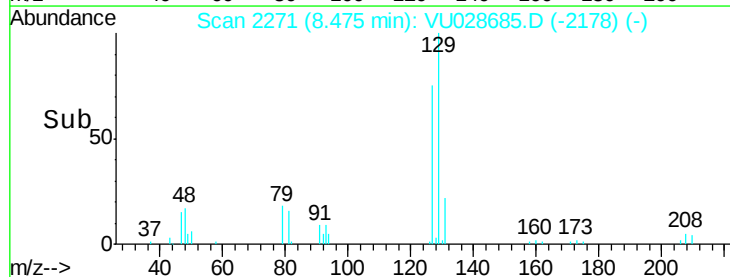
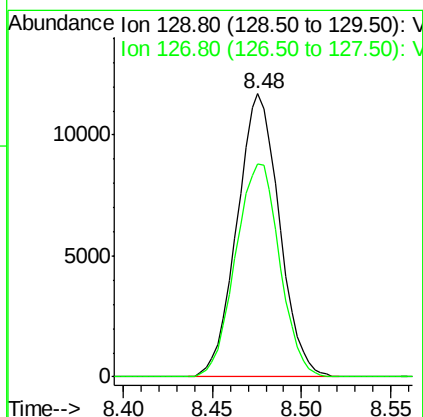
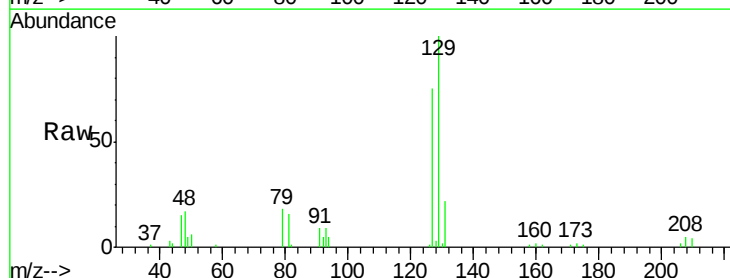
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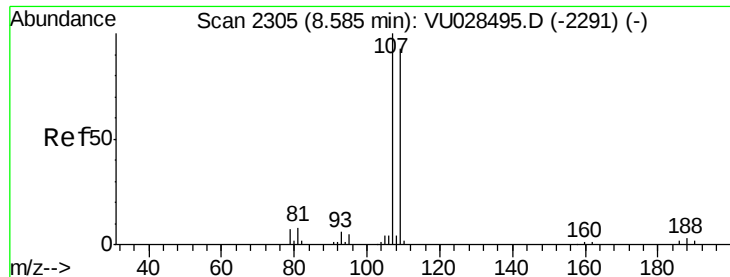
MMDadoda
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#60
Dibromochloromethane
Concen: 20.354 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 129 Resp: 19388
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





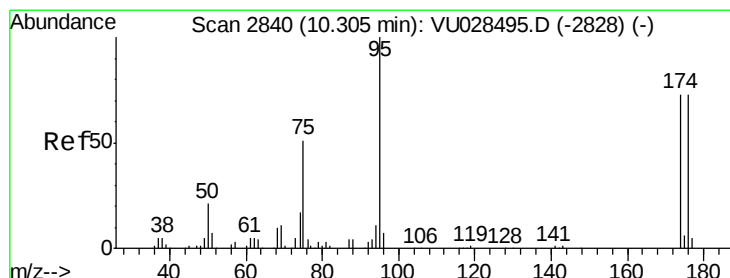
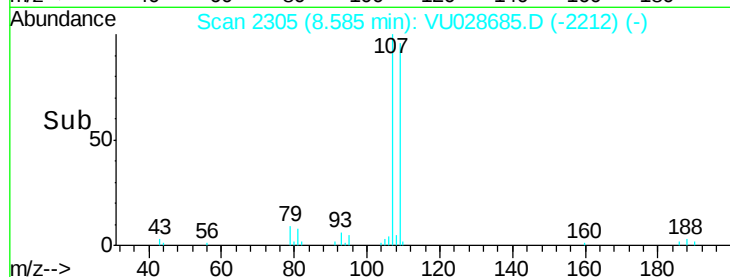
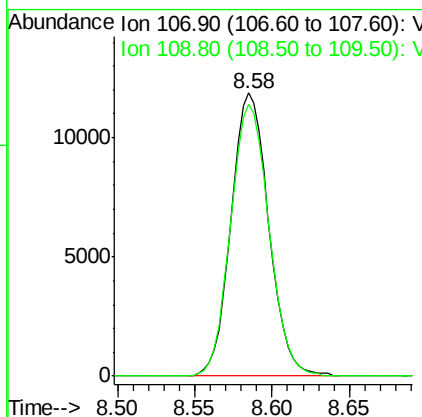
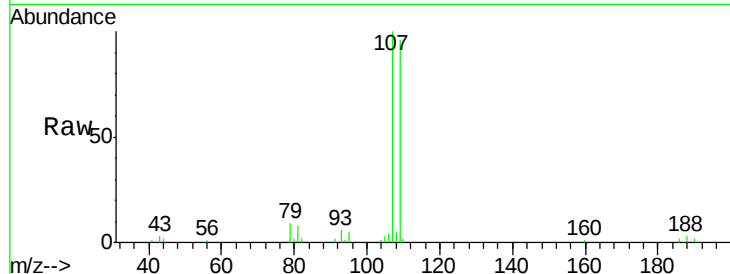
#61
 1,2-Dibromoethane
 Concen: 19.619 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion: 107 Resp: 20017
 Ion Ratio Lower Upper
 107 100
 109 97.9 74.5 111.7

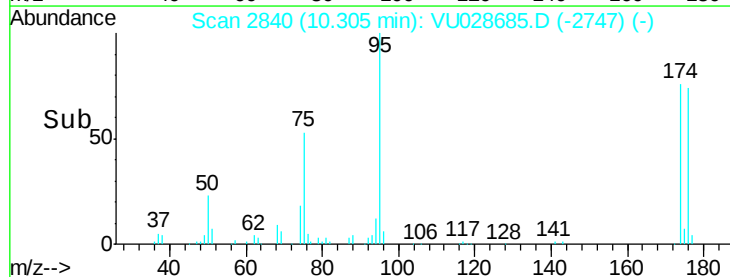
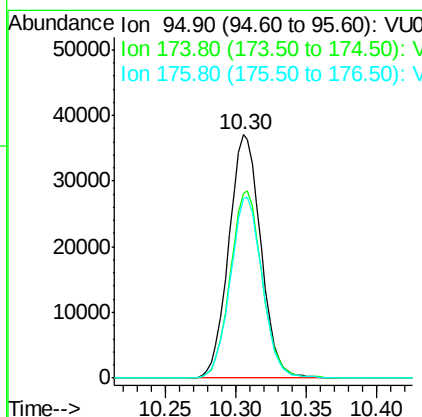
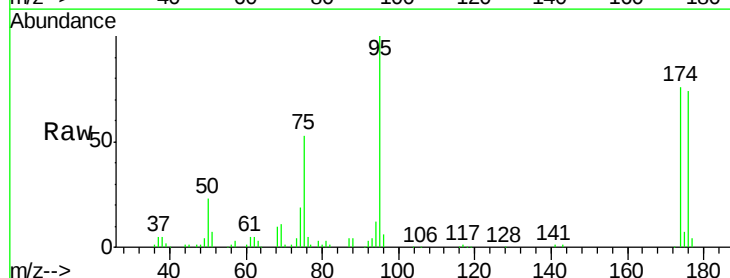
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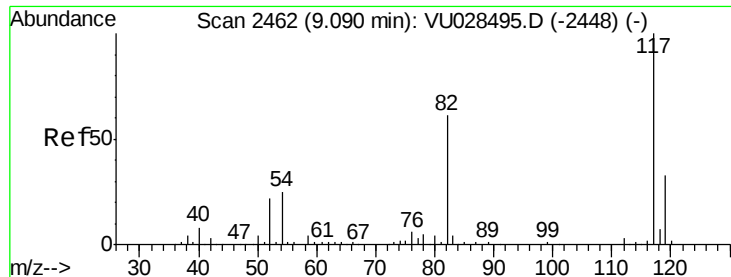
MMDadoda
 12/17/2018 9:48:44 AM



#62
 4-Bromofluorobenzene
 Concen: 48.892 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 95 Resp: 59032
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.4
 176 73.9 0.0 145.2





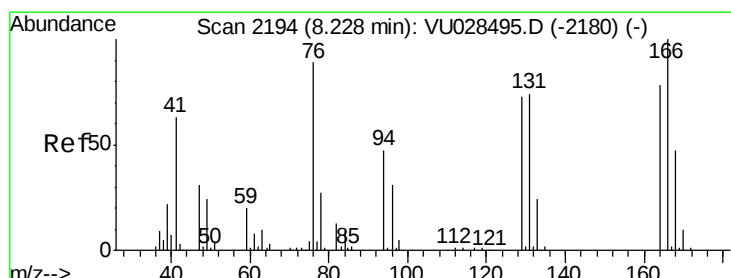
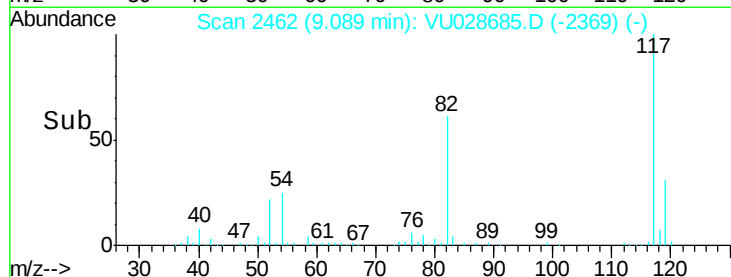
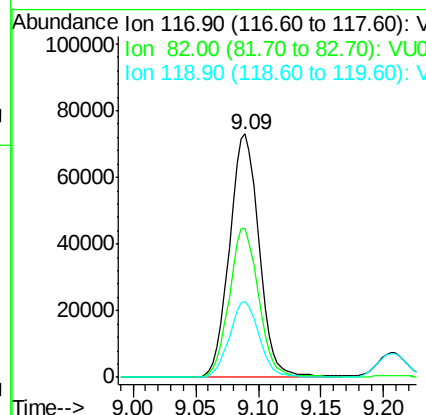
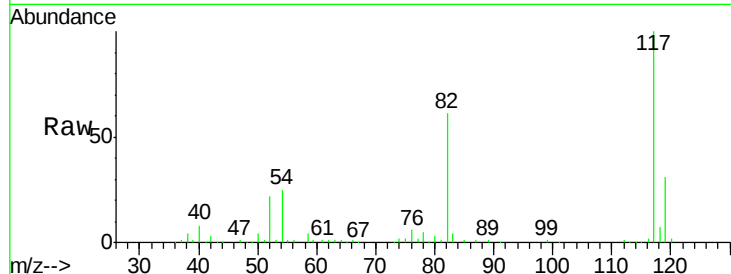
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	119609		
82	61.1	48.9	73.3	
119	31.4	26.2	39.4	

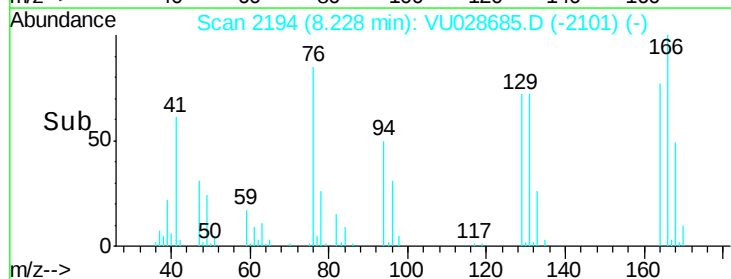
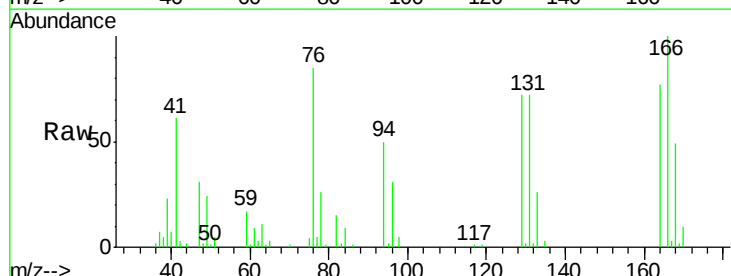
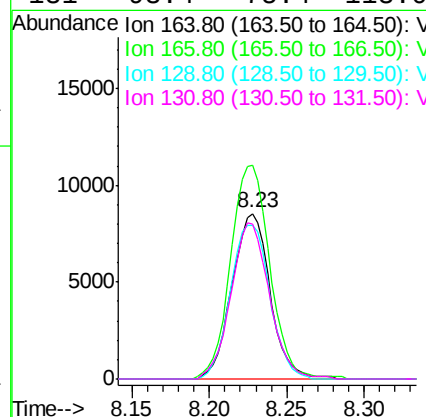
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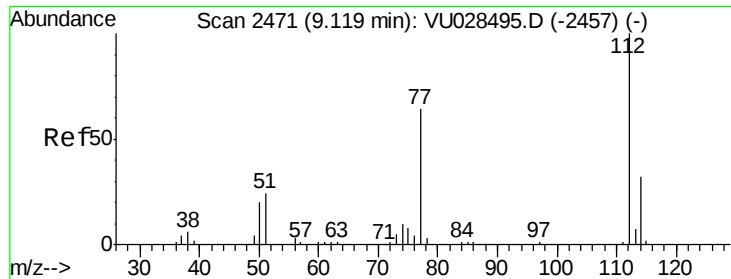
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#64
Tetrachloroethene
Concen: 18.331 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14625		
166	129.2	101.9	152.9	
129	93.2	74.9	112.3	
131	93.4	75.4	113.0	





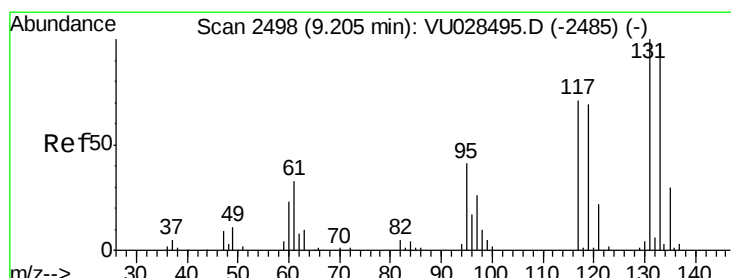
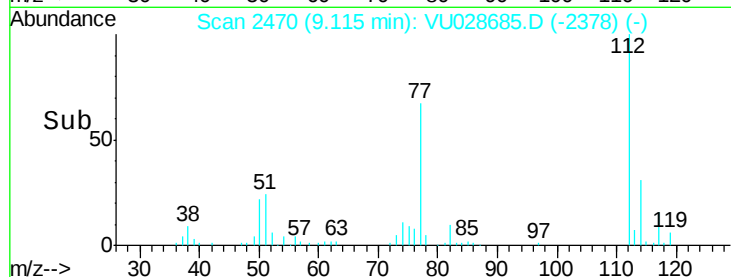
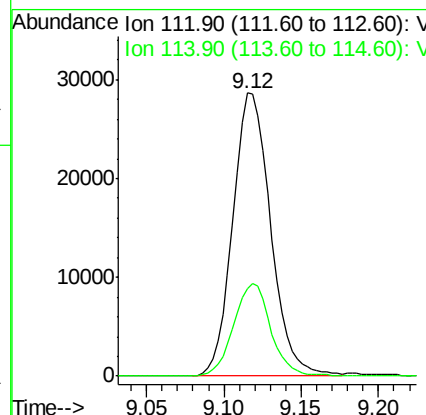
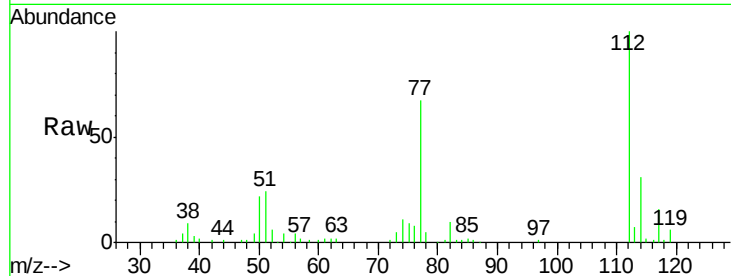
#65
Chlorobenzene
Concen: 19.099 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion:112 Resp: 48678
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9

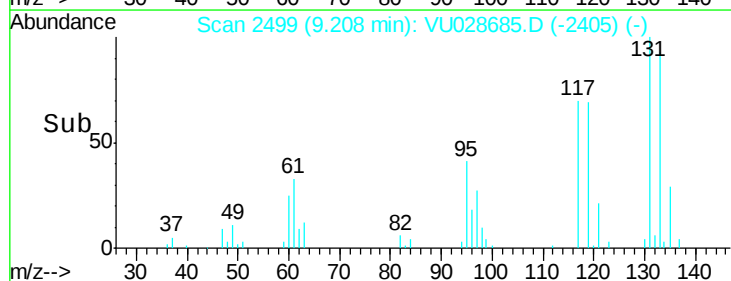
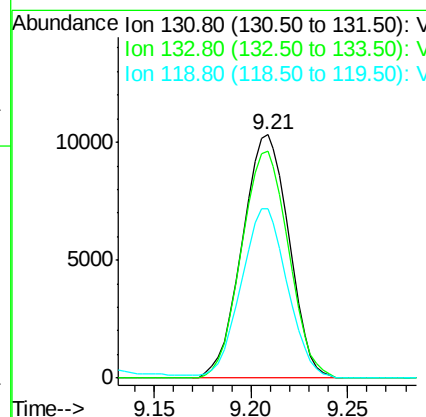
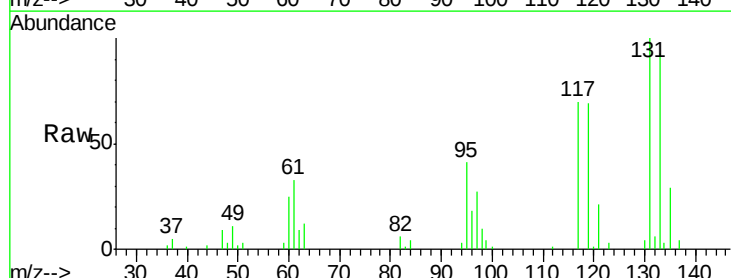
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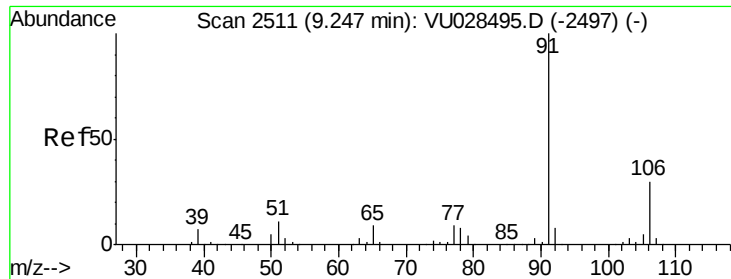
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.307 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:131 Resp: 17342
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 69.2 34.6 103.9





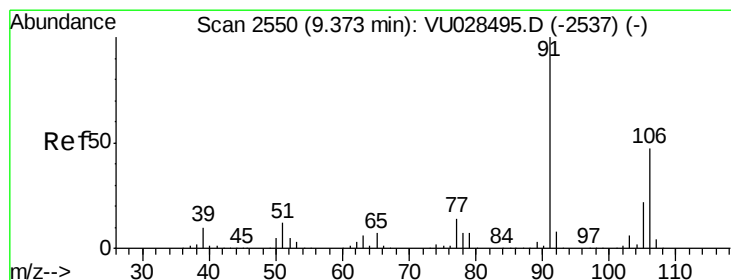
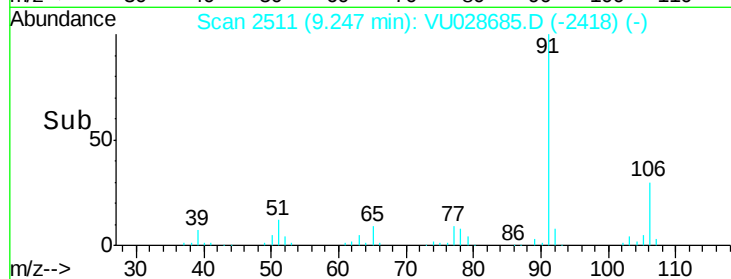
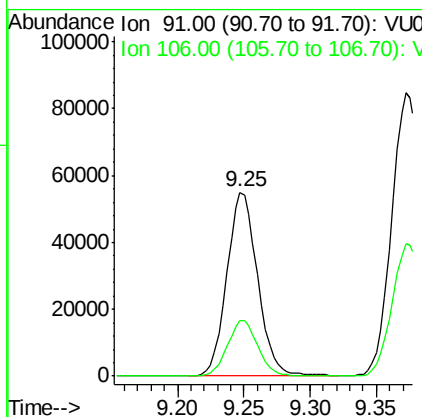
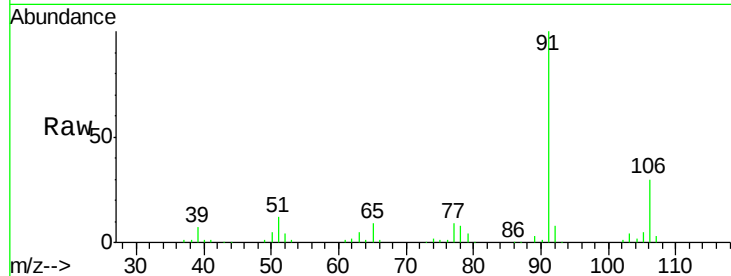
#67
Ethyl Benzene
Concen: 18.969 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion: 91 Resp: 88879
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

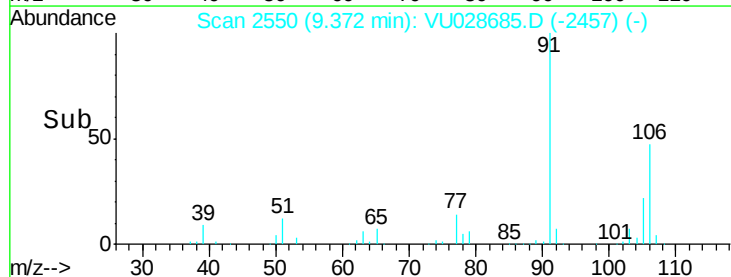
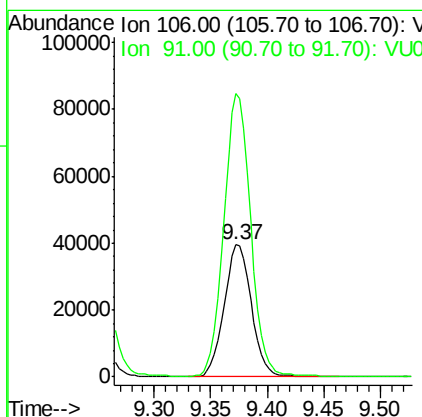
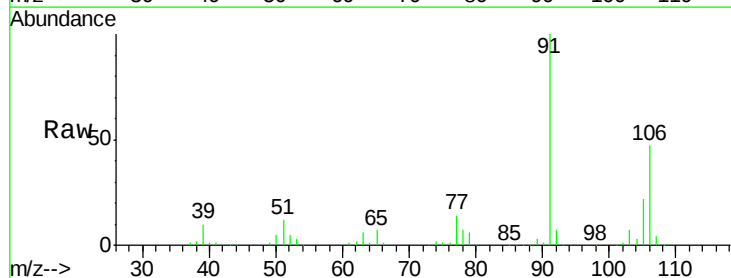
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#68
m/p-Xylenes
Concen: 38.964 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion: 106 Resp: 66430
Ion Ratio Lower Upper
106 100
91 210.0 167.4 251.0





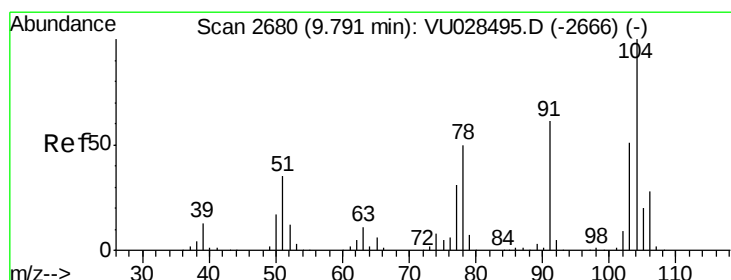
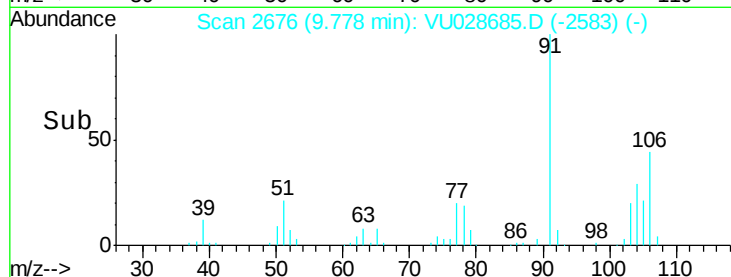
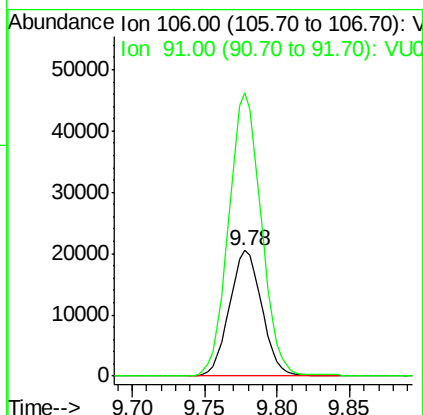
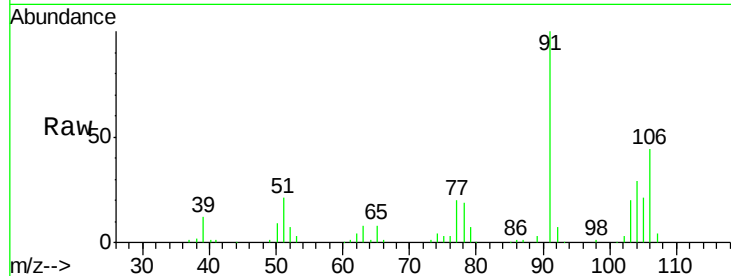
#69
o-Xylene
Concen: 19.318 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion:106 Resp: 32006
Ion Ratio Lower Upper
106 100
91 225.6 111.3 334.0

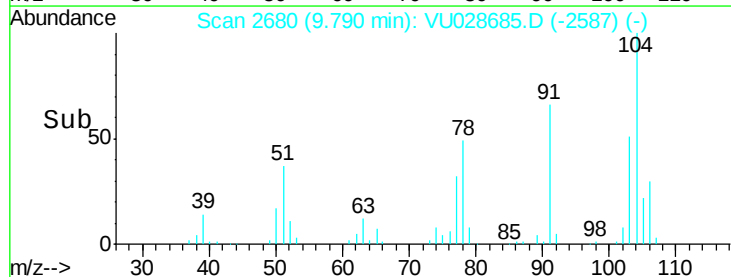
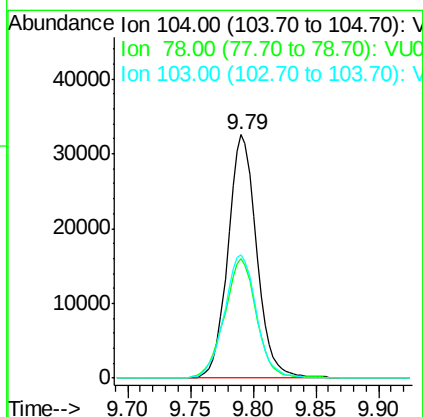
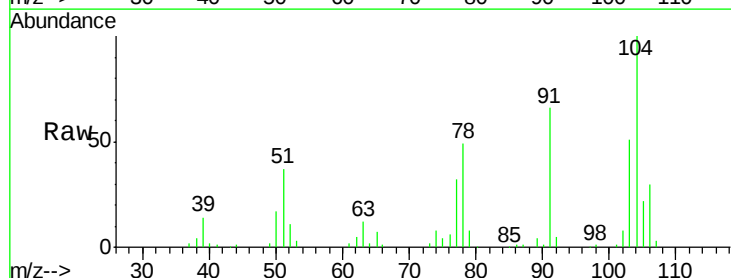
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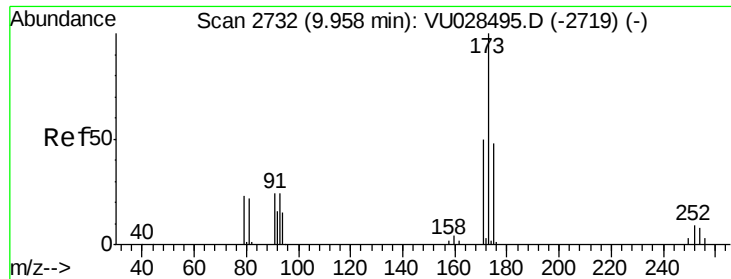
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#70
Styrene
Concen: 18.879 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion:104 Resp: 51765
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.6
103 56.3 44.2 66.4





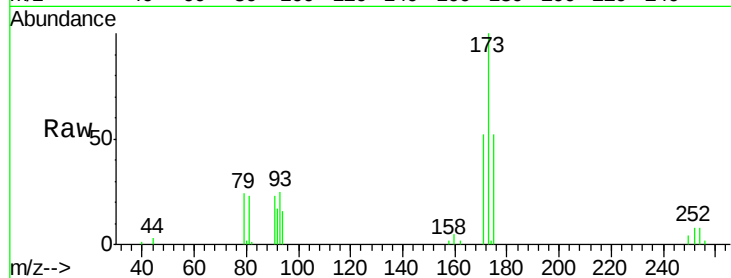
#71
Bromoform
Concen: 20.970 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	23.9	71.8
254	0.0	0.0	0.0

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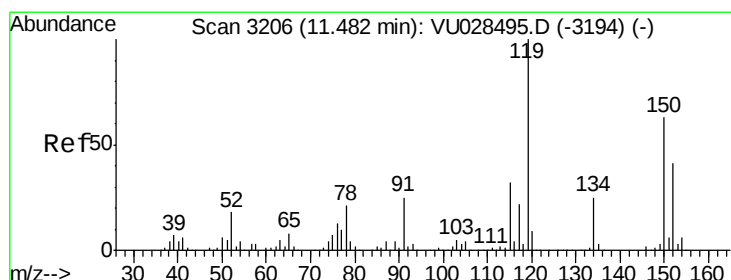
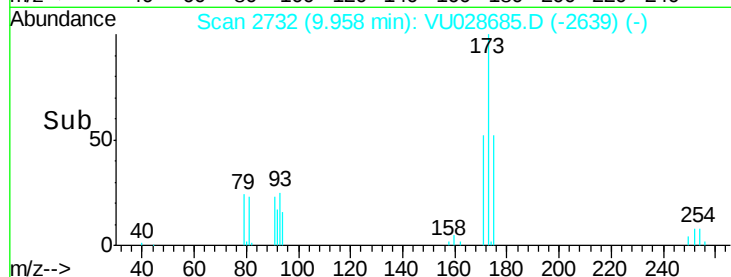
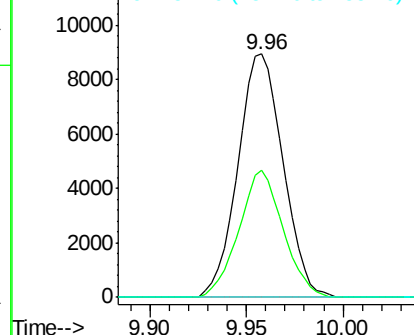


Abundance

Ion 172.70 (172.40 to 173.40): V

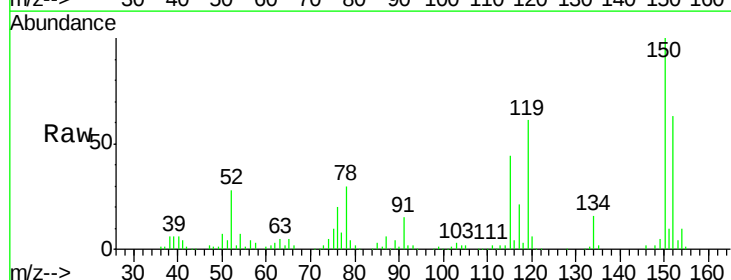
Ion 174.70 (174.40 to 175.40): V

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: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.7	42.7	128.1
150	163.7	0.0	346.0

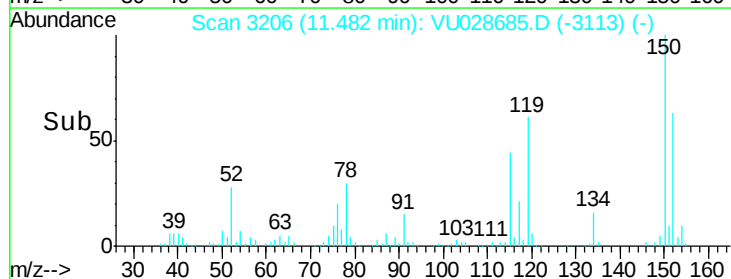
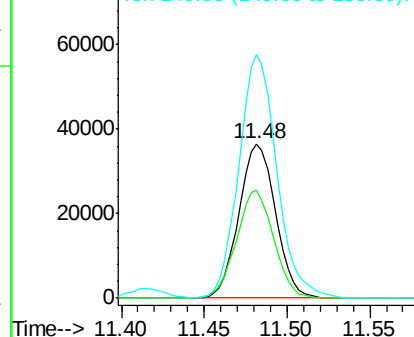


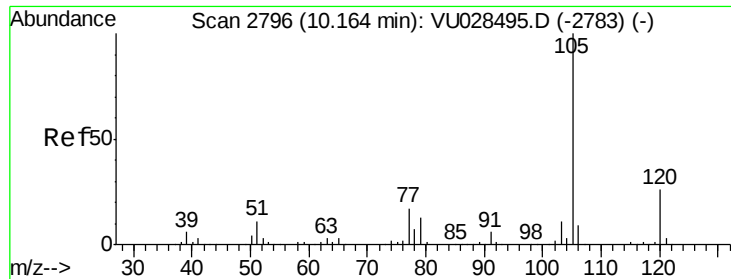
Abundance

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: 19.791 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBS02

Tgt Ion: 105 Resp: 85438

Ion Ratio Lower Upper

105 100

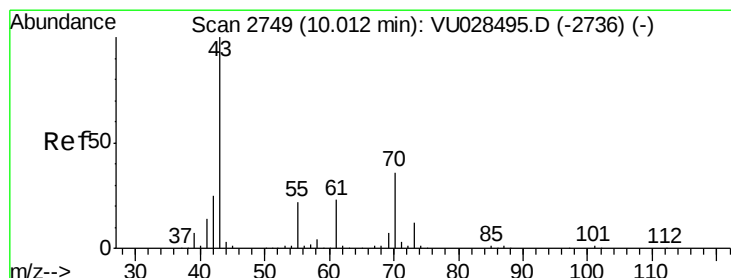
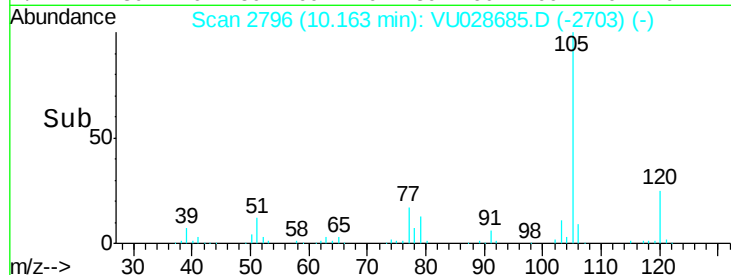
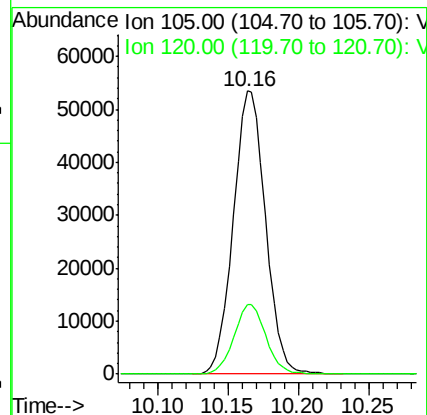
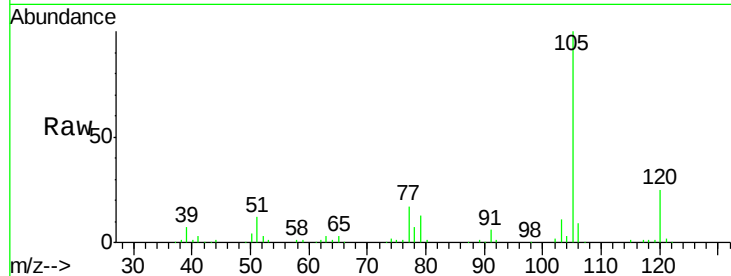
120 24.5 12.9 38.6

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#74

N-ethyl acetate

Concen: 20.467 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion: 43 Resp: 50966

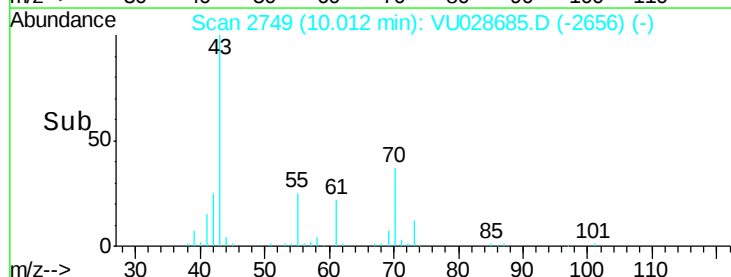
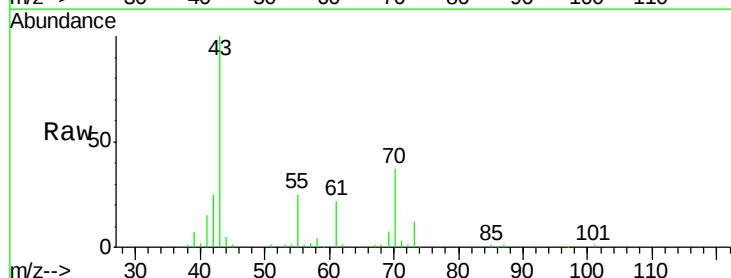
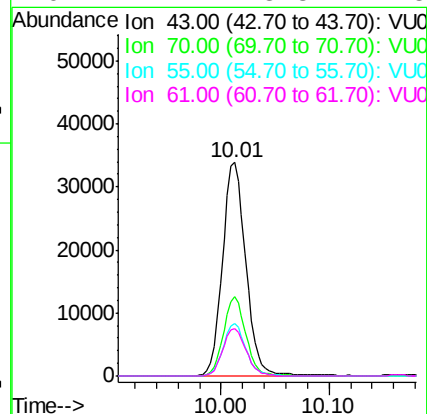
Ion Ratio Lower Upper

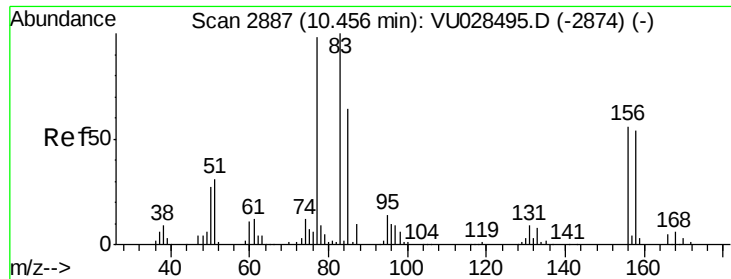
43 100

70 35.4 29.3 43.9

55 23.5 18.0 27.0

61 22.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.015 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

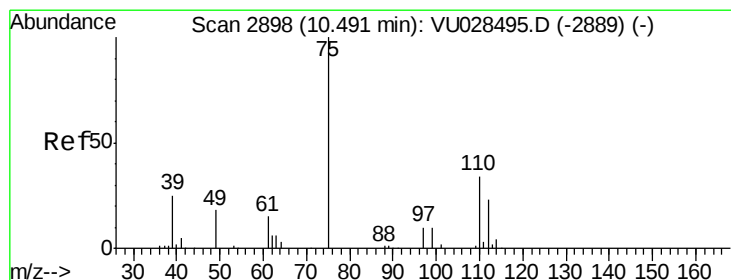
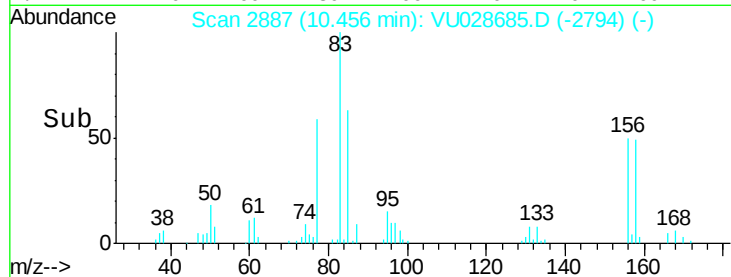
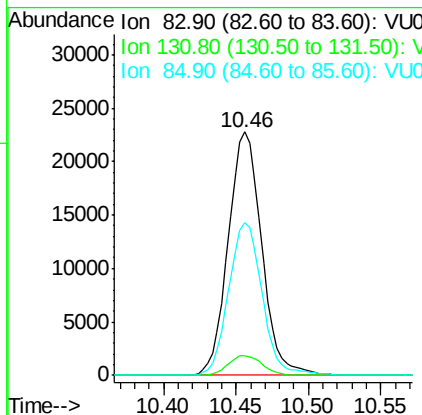
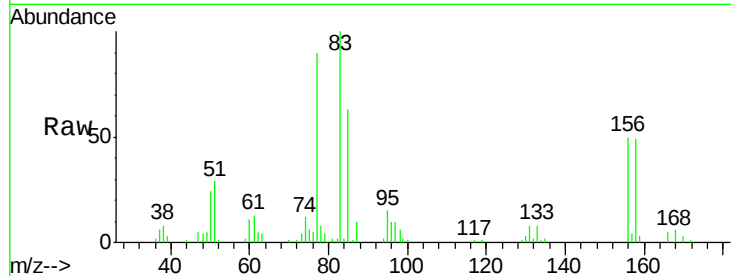
ClientSampleId :

VU1215WBS02

Tgt Ion:	83	Resp:	36508
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.2	12.4
85	63.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.854 ug/l m

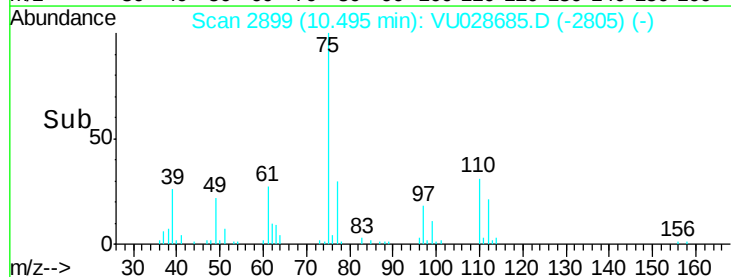
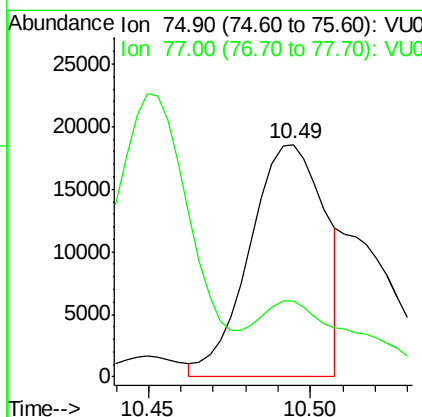
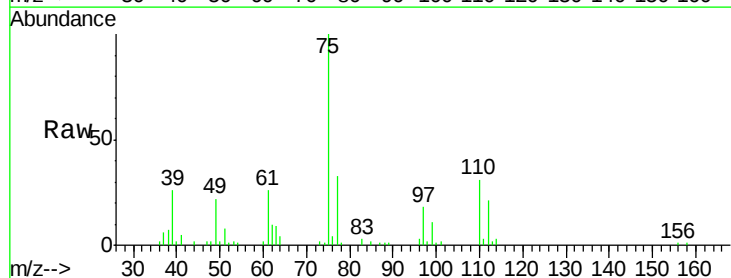
RT: 10.49 min Scan# 2899

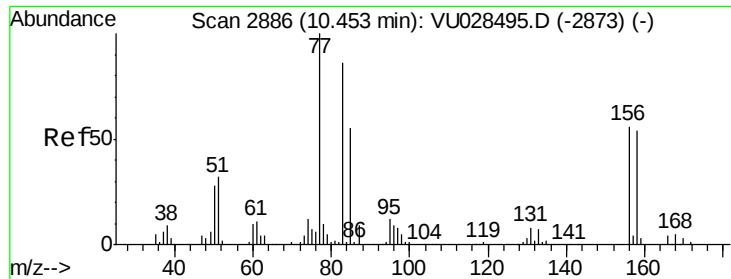
Delta R.T. 0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	75	Resp:	29958
Ion Ratio	Lower	Upper	
75	100		
77	44.1	20.8	62.4





#77

Bromobenzene

Concen: 20.097 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Instrument :

MSVOA_U

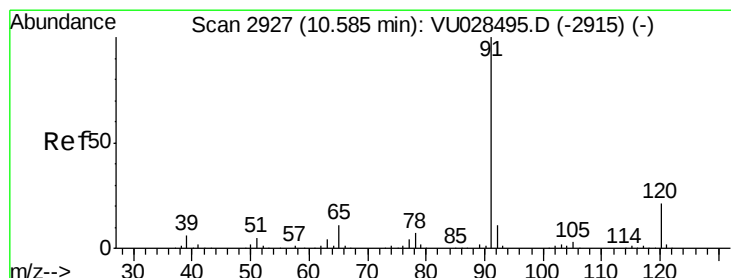
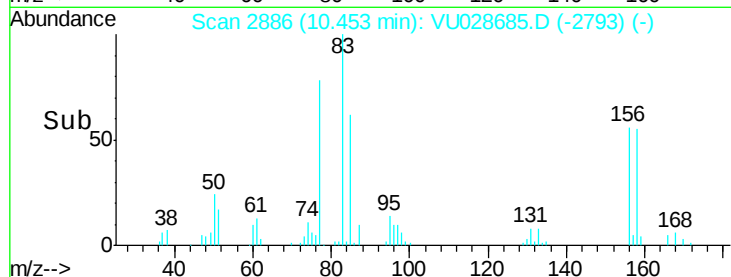
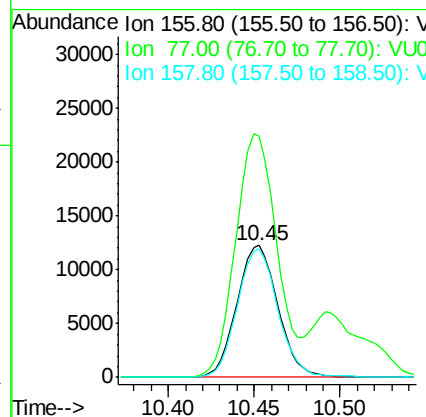
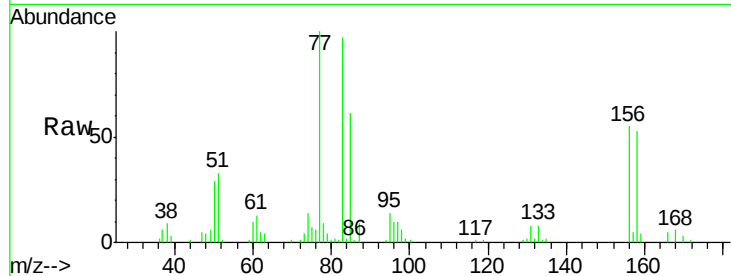
ClientSampleId :

VU1215WBS02

Tgt Ion:	156	Resp:	20290
Ion Ratio	Lower	Upper	
156	100		
77	184.4	92.4	277.2
158	96.4	48.4	145.3

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#78

n-propylbenzene

Concen: 19.319 ug/l

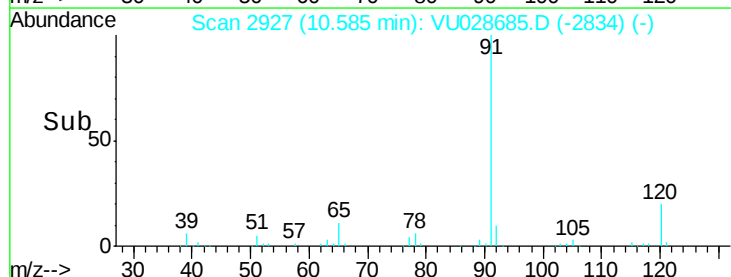
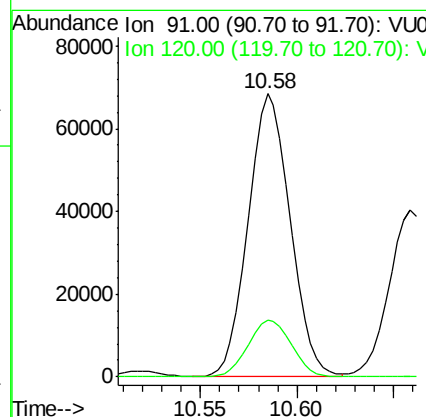
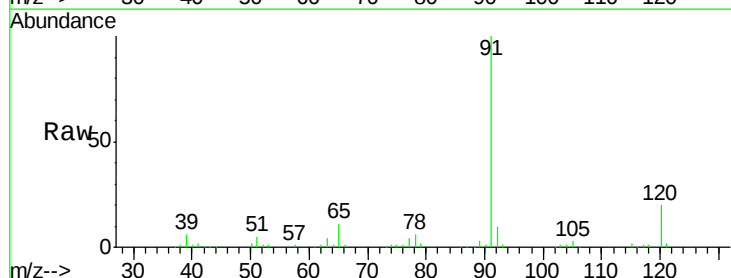
RT: 10.58 min Scan# 2927

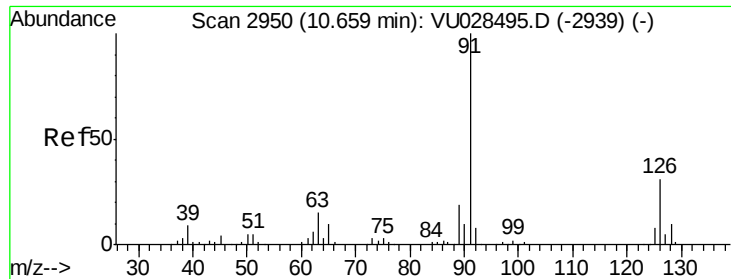
Delta R.T. -0.00 min

Lab File: VU028685.D

Acq: 14 Dec 2018 16:03

Tgt Ion:	91	Resp:	103631
Ion Ratio	Lower	Upper	
91	100		
120	20.8	10.6	31.8





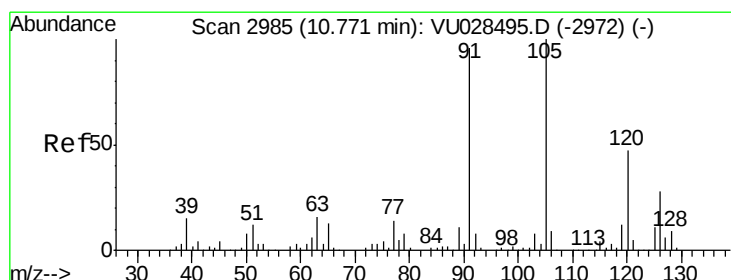
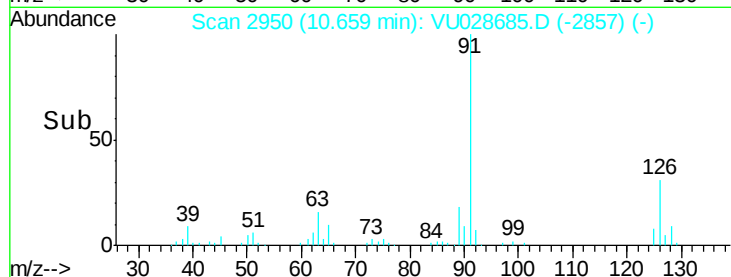
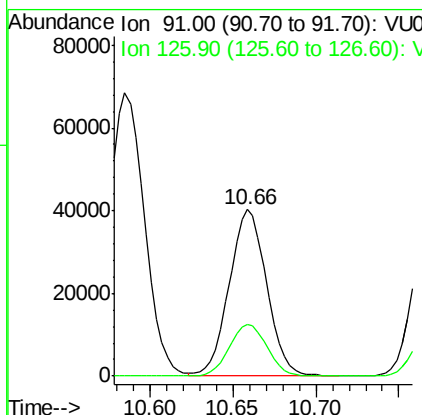
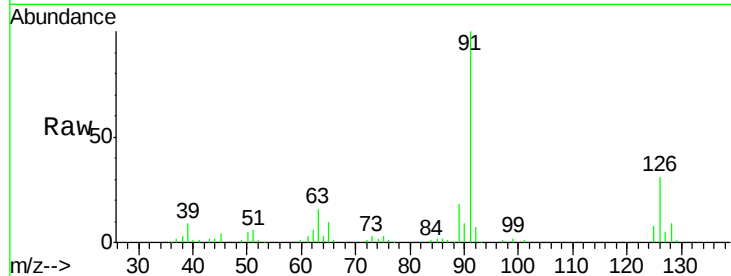
#79
 2-Chlorotoluene
 Concen: 20.319 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion: 91 Resp: 62783
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.6 46.8

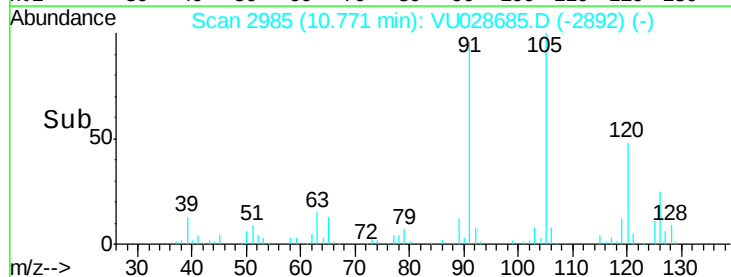
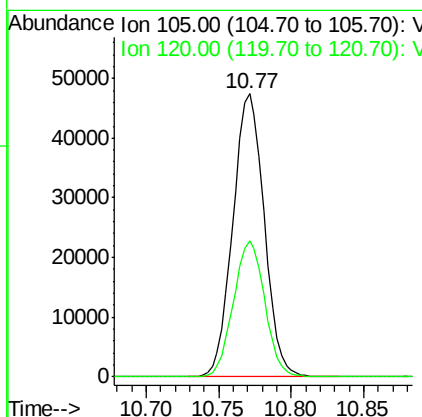
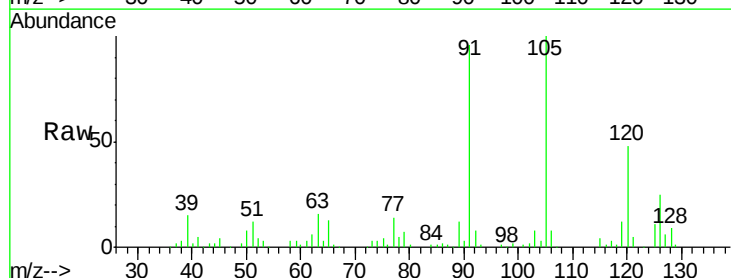
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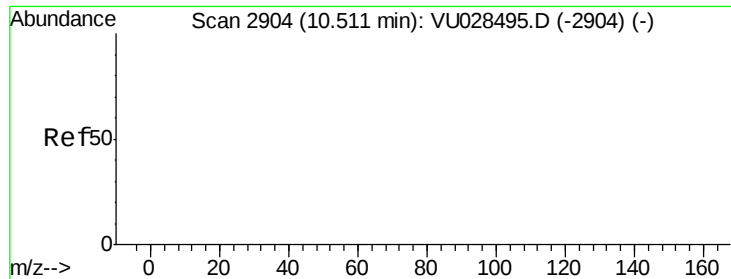
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.970 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion: 105 Resp: 71360
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.7 71.1





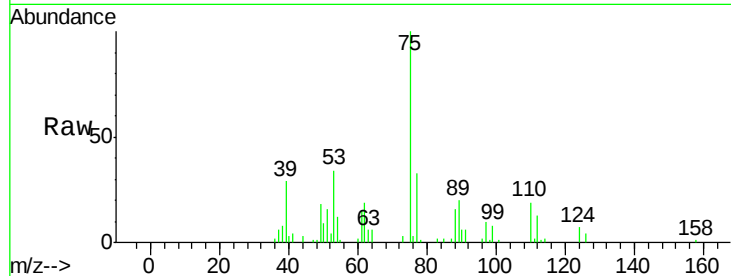
#81
trans-1,4-Dichloro-2-butene
Concen: 23.688 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

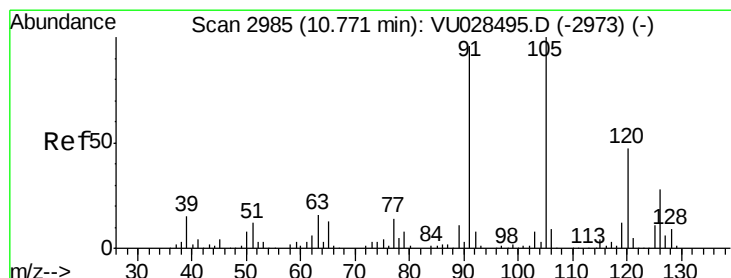
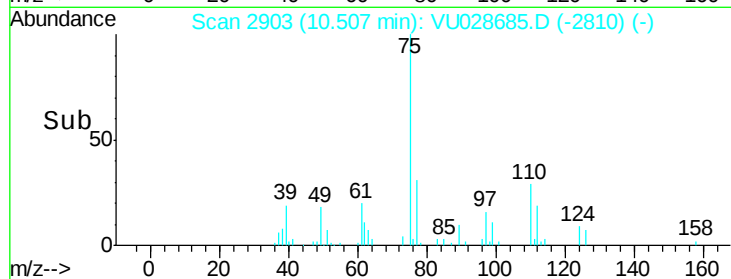
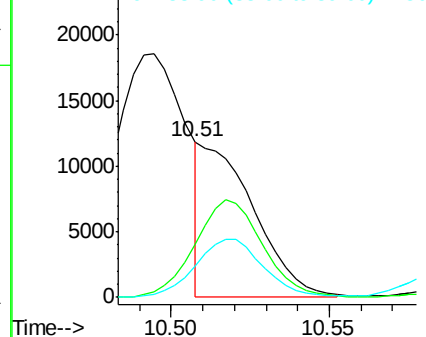
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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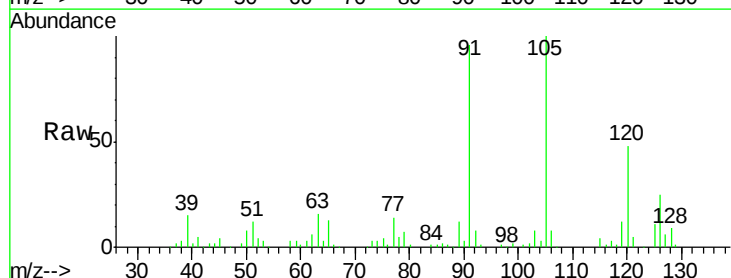


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

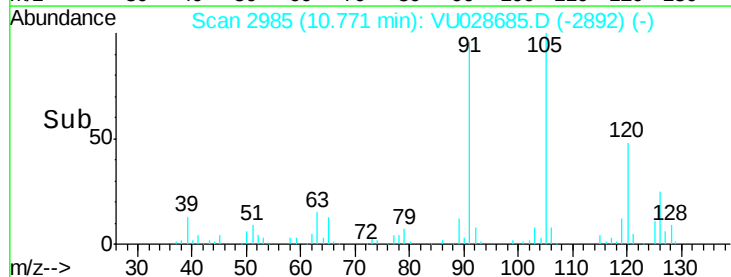
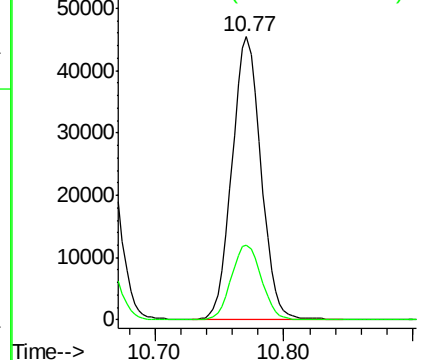


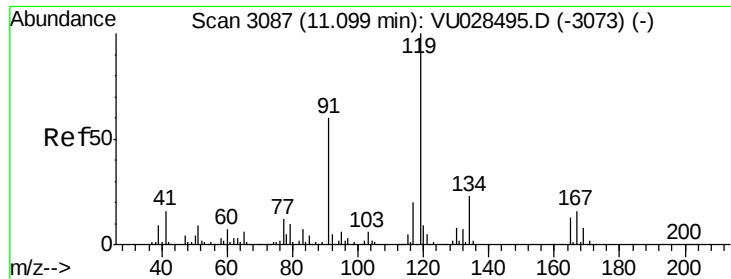
#82
4-Chlorotoluene
Concen: 19.398 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





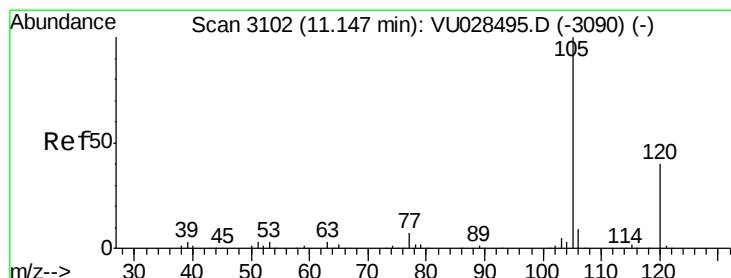
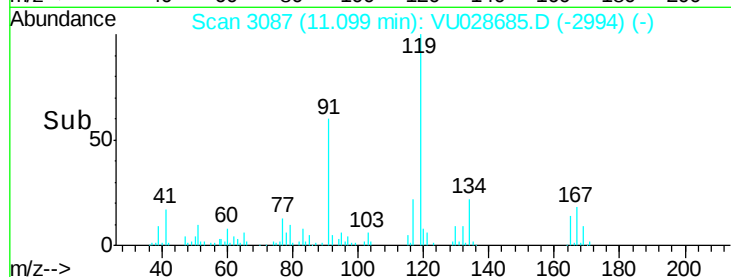
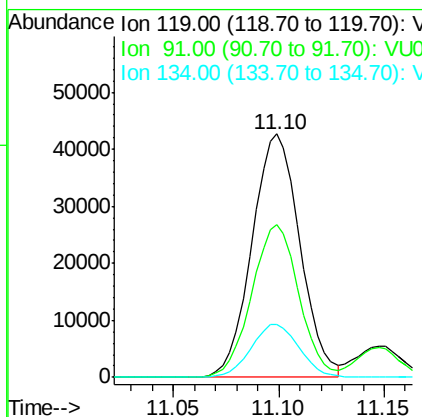
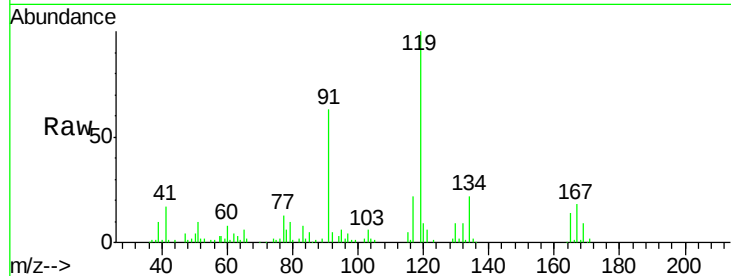
#83
tert-Butylbenzene
Concen: 19.643 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	67656		
91	61.6	30.3	91.0	
134	21.7	11.2	33.5	

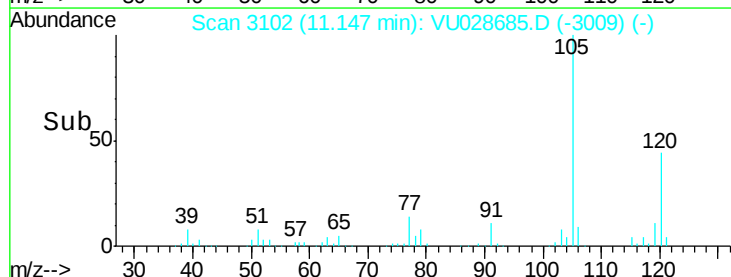
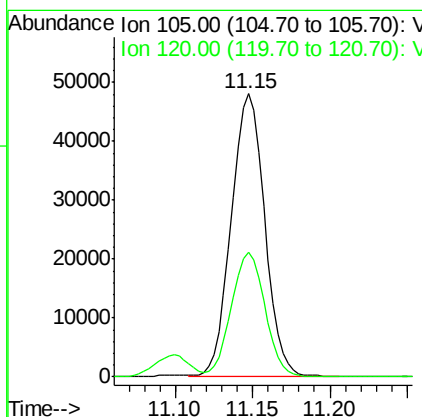
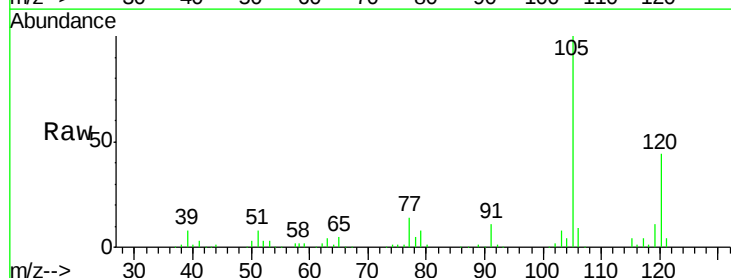
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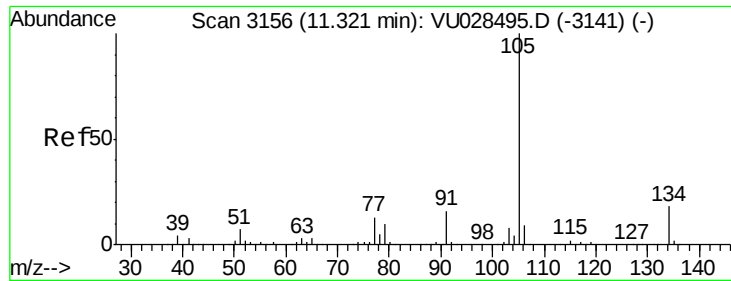
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#84
1,2,4-Trimethylbenzene
Concen: 19.630 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	72293		
120	44.3	21.8	65.4	





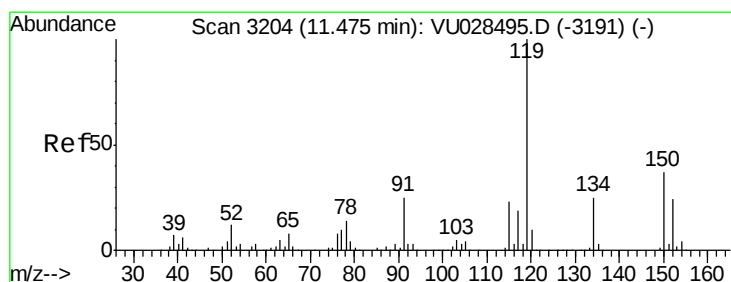
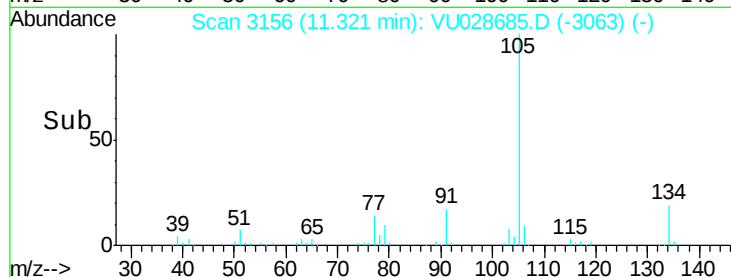
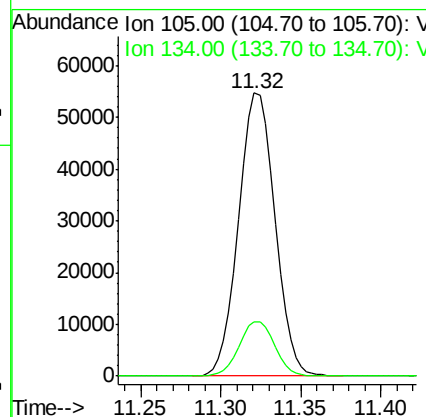
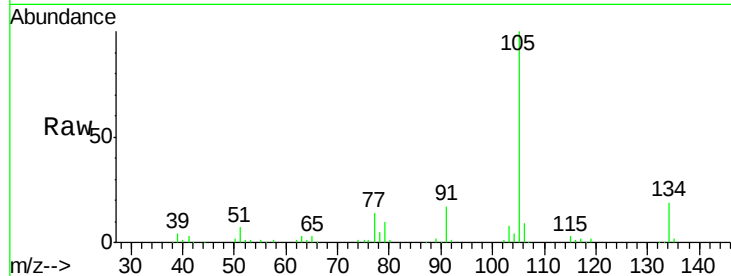
#85
 sec-Butylbenzene
 Concen: 19.133 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion:105 Resp: 84662
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.2 27.6

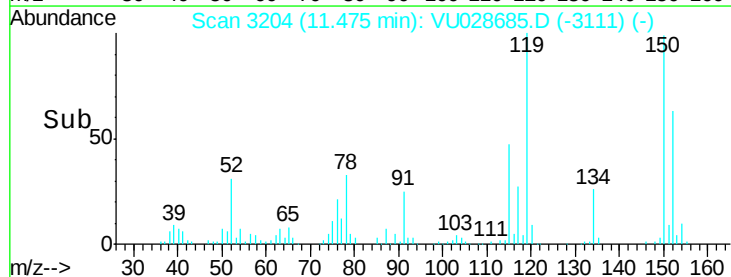
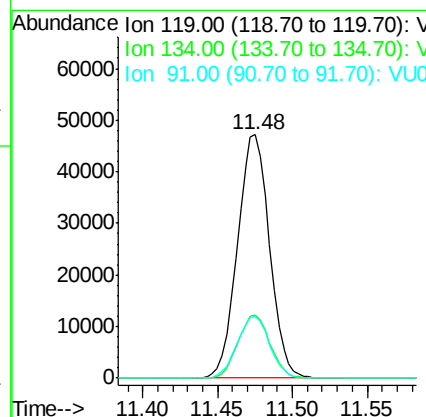
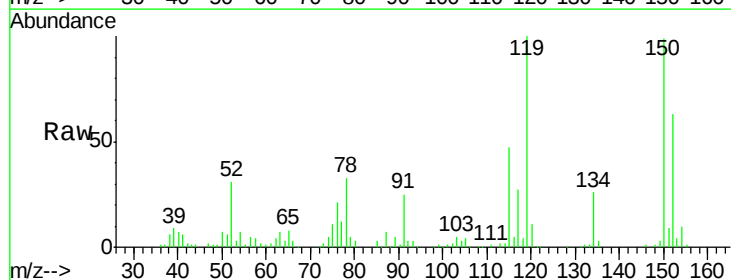
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#86
 p-Isopropyltoluene
 Concen: 18.740 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion:119 Resp: 70437
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.7 38.1
 91 25.5 12.6 37.6





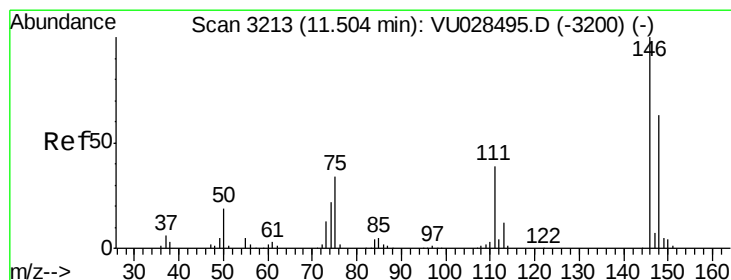
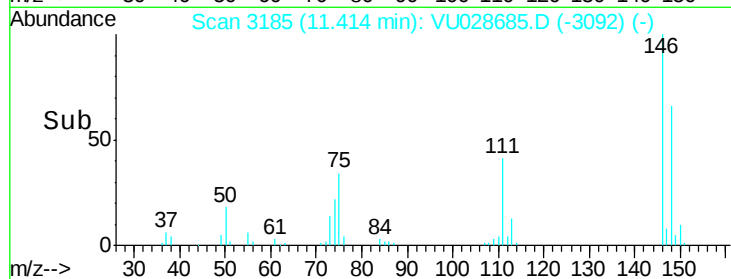
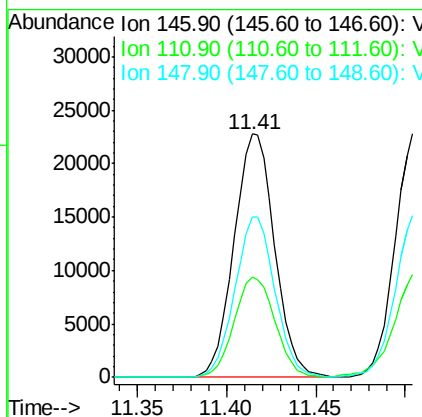
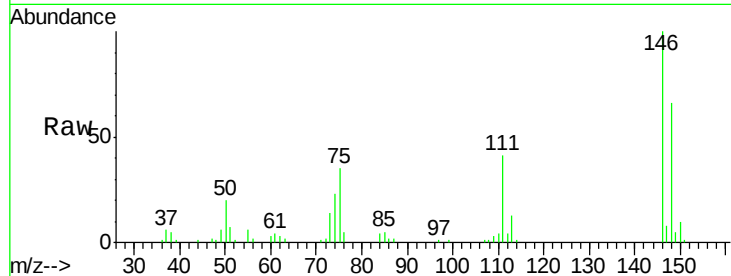
#87
 1,3-Dichlorobenzene
 Concen: 18.910 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	65.1	31.9	95.7

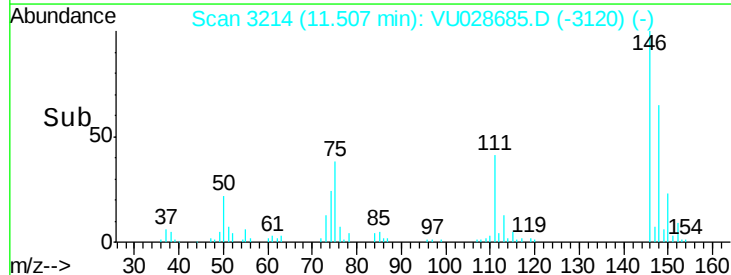
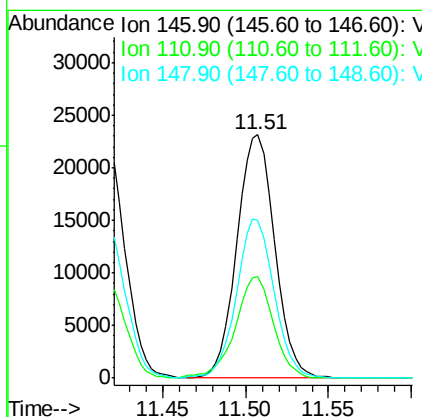
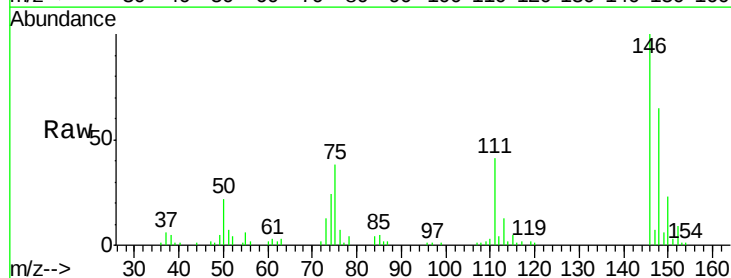
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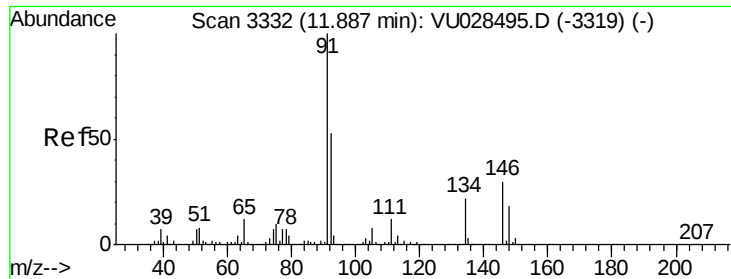
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#88
 1,4-Dichlorobenzene
 Concen: 18.636 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	64.9	31.6	95.0





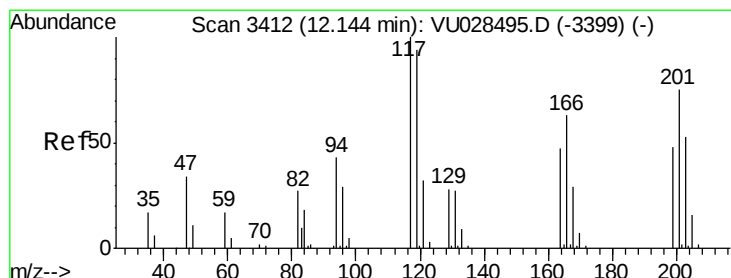
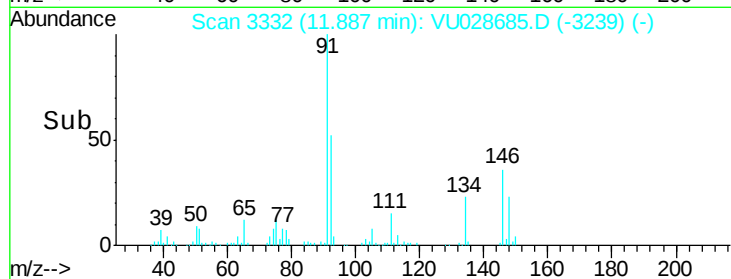
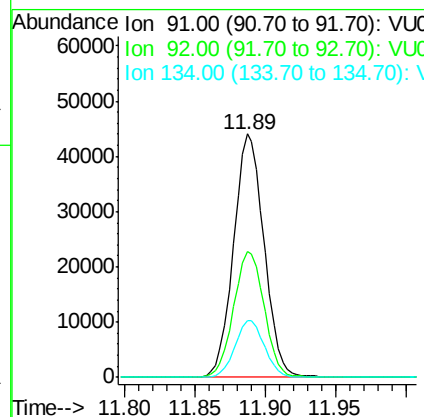
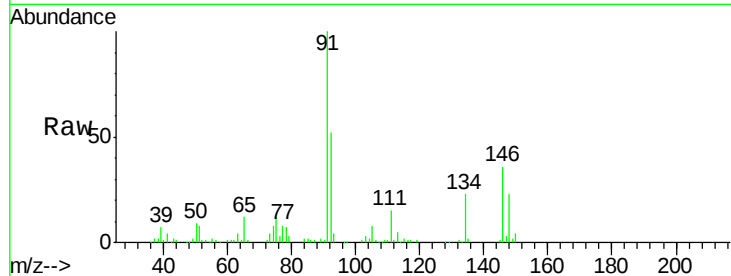
#89
n-Butylbenzene
Concen: 17.525 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	22.5	11.3	33.8

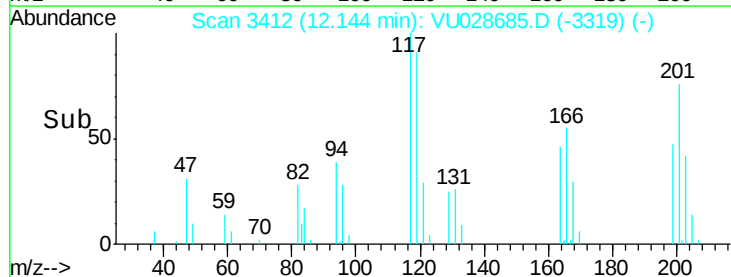
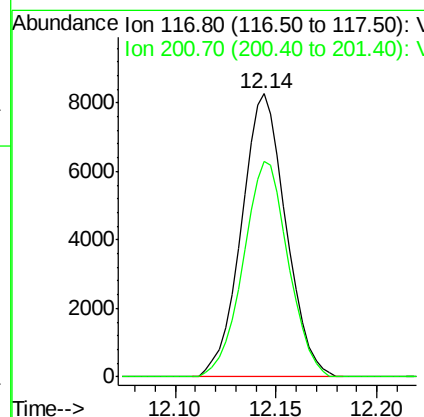
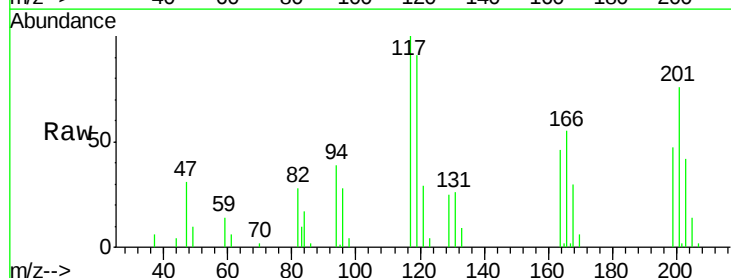
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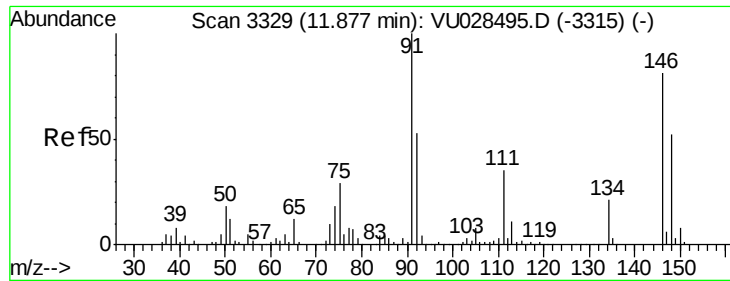
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#90
Hexachloroethane
Concen: 22.421 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.1	114.5





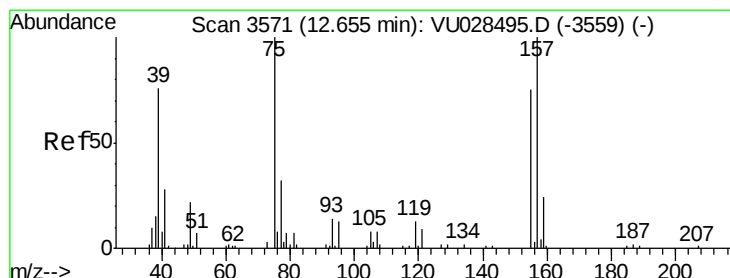
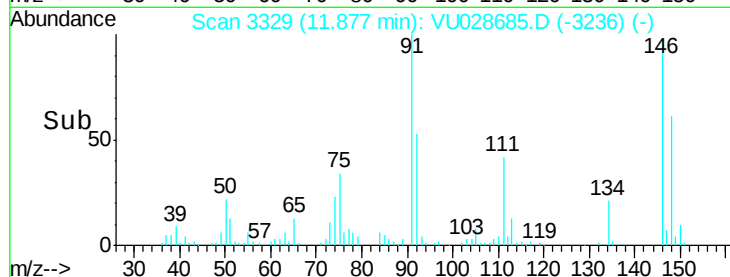
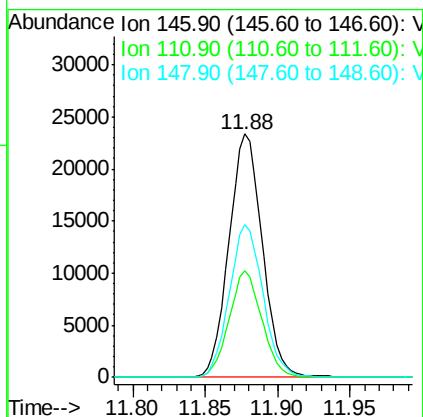
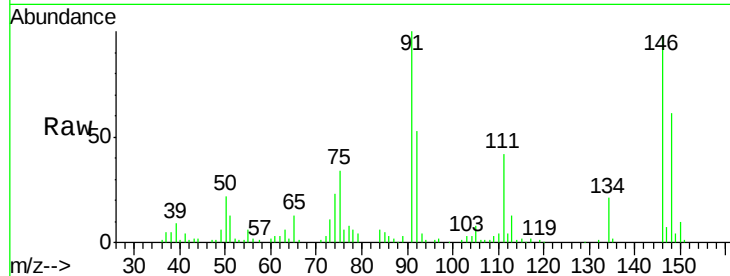
#91
 1,2-Dichlorobenzene
 Concen: 19.566 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.0	31.4	94.2

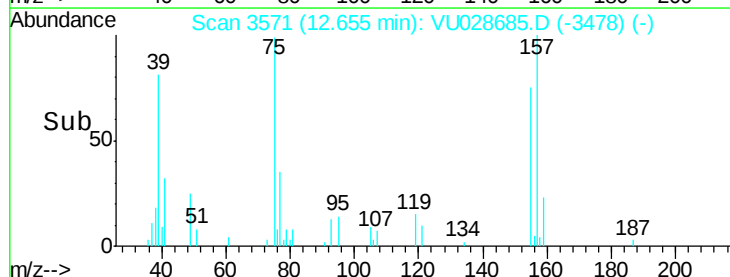
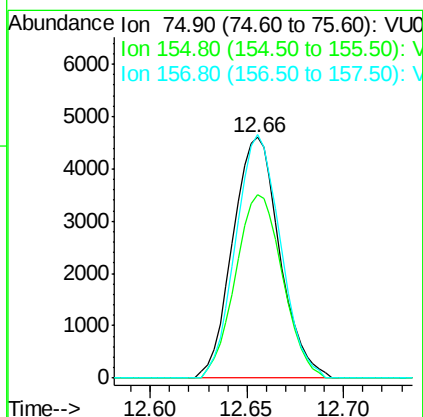
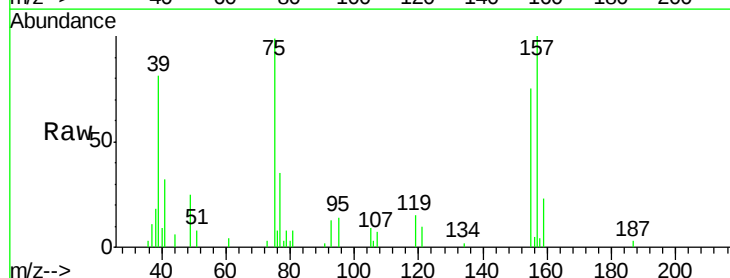
Manual Integrations
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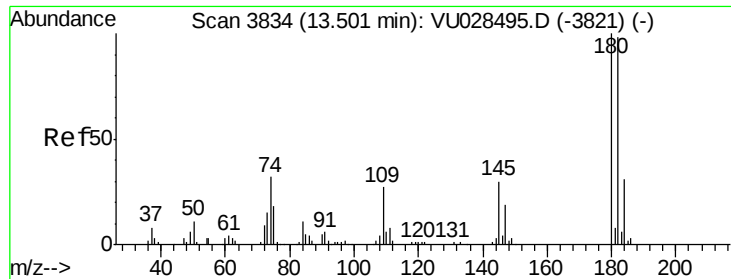
MMDadoda
 12/17/2018 9:48:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.625 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.1	114.5
157	96.3	48.7	146.1





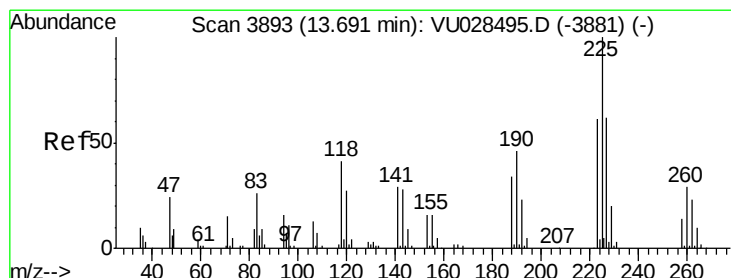
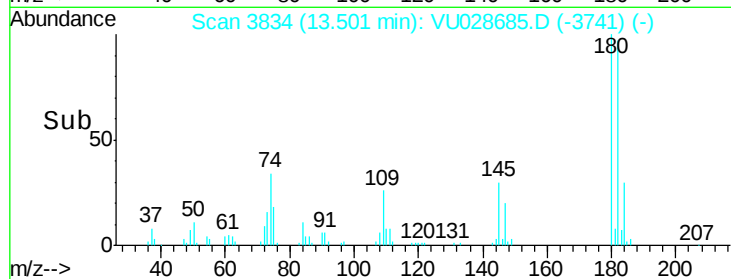
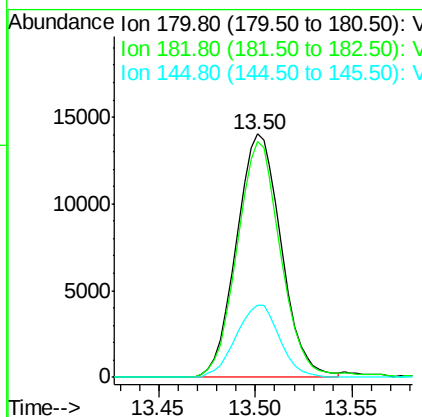
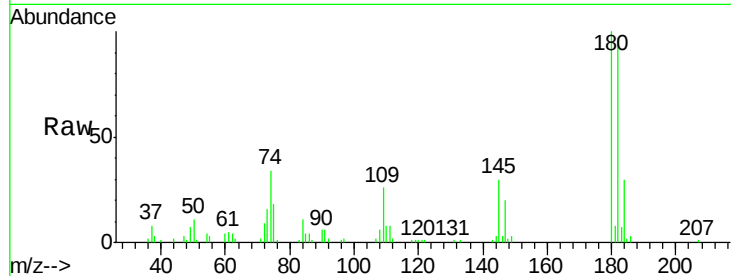
#93
 1,2,4-Trichlorobenzene
 Concen: 17.771 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22563		
182	95.0	47.9	143.8	
145	29.0	15.0	45.1	

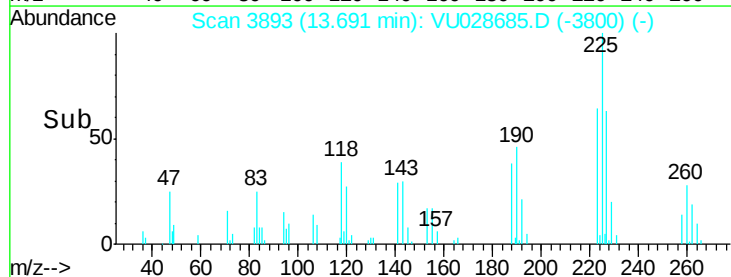
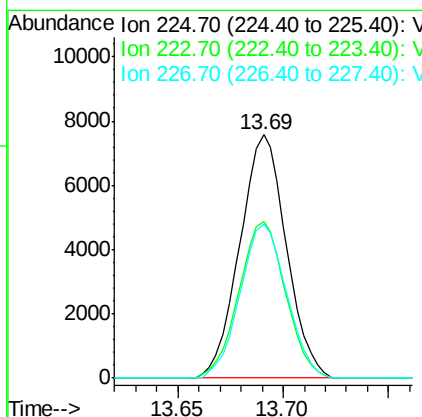
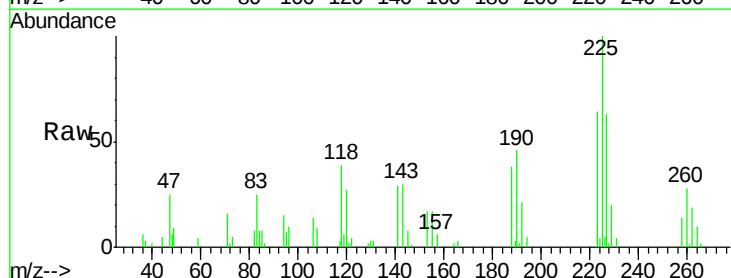
Manual Integrations
 APPROVED

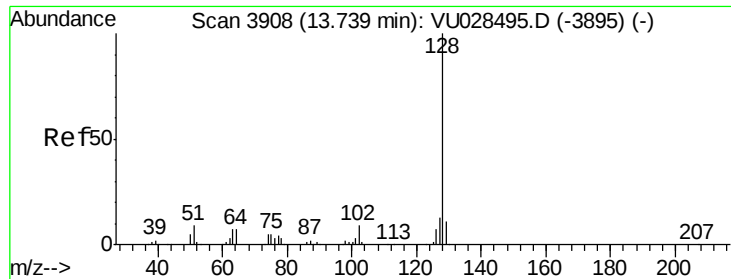
MMDadoda
 12/17/2018 9:48:44 AM



#94
 Hexachlorobutadiene
 Concen: 18.589 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028685.D
 Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11612		
223	64.4	30.4	91.2	
227	63.1	30.7	92.1	





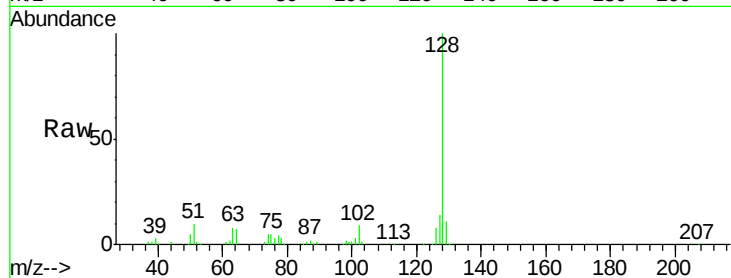
#95
Naphthalene
Concen: 17.139 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

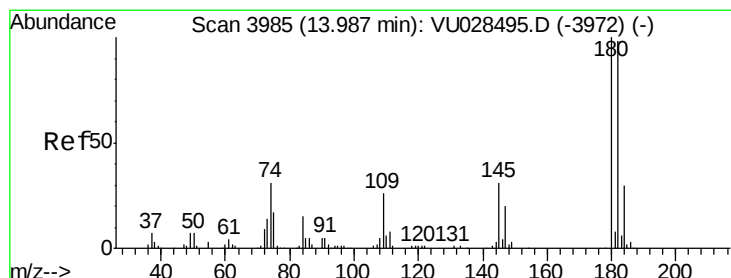
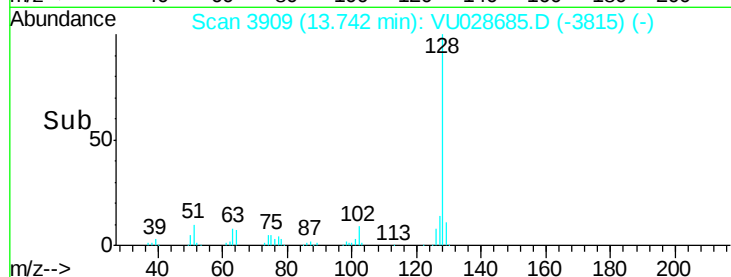
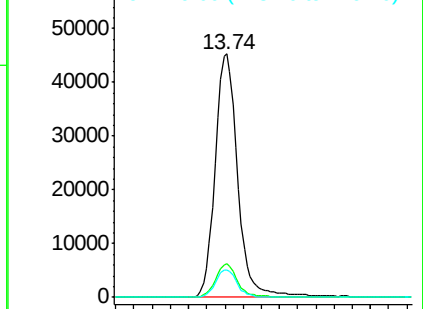
MMDadoda
12/17/2018 9:48:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V

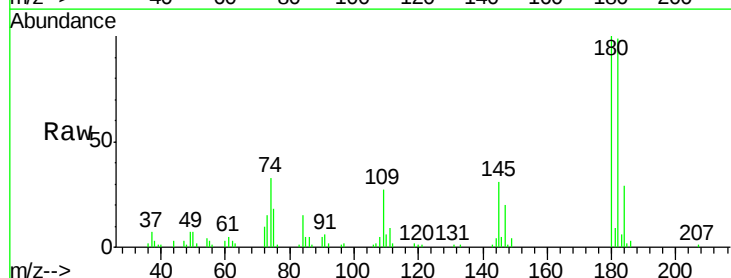
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.305 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028685.D
Acq: 14 Dec 2018 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.2	144.6
145	31.8	15.8	47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

