

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028717.D
 Acq On : 17 Dec 2018 13:54
 Operator : MD/SY
 Sample : J6411-15MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:03 AM

Quant Time: Dec 18 04:19:28 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	74850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	132592	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59965	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	60769	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	4.88	113	45144	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
50) Toluene-d8	7.56	98	174443	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	10.30	95	66479	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	46747	46.595	ug/l	97
3) Chloromethane	1.33	50	83305	45.165	ug/l	99
4) Vinyl Chloride	1.40	62	63844	47.963	ug/l	99
5) Bromomethane	1.60	94	32118	59.900	ug/l	99
6) Chloroethane	1.68	64	36819	48.860	ug/l	99
7) Trichlorofluoromethane	1.88	101	68524	48.930	ug/l	100
8) Diethyl Ether	2.10	74	32239	49.204	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	38096	45.484	ug/l	99
10) Methyl Iodide	2.41	142	41369	62.947	ug/l	99
11) Tert butyl alcohol	2.83	59	93486	367.345	ug/l	98
12) 1,1-Dichloroethene	2.28	96	39483	47.378	ug/l	96
13) Acrolein	2.19	56	65277	321.755	ug/l	99
14) Allyl chloride	2.59	41	94904	48.139	ug/l	89
15) Acrylonitrile	2.93	53	215245	304.643	ug/l	99
16) Acetone	2.32	43	190389	255.426	ug/l	98
17) Carbon Disulfide	2.47	76	135417	45.106	ug/l	100
18) Methyl Acetate	2.61	43	95654	49.505	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	162779	51.525	ug/l	99
20) Methylene Chloride	2.70	84	53012	48.246	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	44545	47.474	ug/l	99
22) Diisopropyl ether	3.57	45	199298	51.984	ug/l	97
23) Vinyl Acetate	3.52	43	579143	183.139	ug/l	100
24) 1,1-Dichloroethane	3.44	63	99656	49.658	ug/l	99
25) 2-Butanone	4.26	43	308163	302.526	ug/l	98
26) 2,2-Dichloropropane	4.22	77	26387	16.594	ug/l	89
27) cis-1,2-Dichloroethene	4.22	96	53089	49.989	ug/l	92
28) Bromochloromethane	4.55	49	51285	56.214	ug/l	99
29) Tetrahydrofuran	4.64	42	204744	312.966	ug/l	99
30) Chloroform	4.67	83	90588	51.791	ug/l	98
31) Cyclohexane	4.99	56	87417	44.505	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	72786	50.104	ug/l	99
36) 1,1-Dichloropropene	5.13	75	67072	46.227	ug/l	99
37) Ethyl Acetate	4.38	43	81429	43.414	ug/l	100
38) Carbon Tetrachloride	5.13	117	59242	50.658	ug/l	97

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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	6.41	83	64432	36.400	ug/l	98
40) Benzene	5.39	78	212758	49.787	ug/l	97
41) Methacrylonitrile	4.54	41	59609	58.032	ug/l	99
42) 1,2-Dichloroethane	5.40	62	74435	49.762	ug/l	100
43) Isopropyl Acetate	5.55	43	138670	46.742	ug/l	99
44) Trichloroethene	6.18	130	45077	47.441	ug/l	99
45) 1,2-Dichloropropane	6.43	63	62734	52.205	ug/l	97
46) Dibromomethane	6.56	93	36557	51.272	ug/l	97
47) Bromodichloromethane	6.76	83	72341	52.139	ug/l	97
48) Methyl methacrylate	6.62	41	81254	55.075	ug/l	98
49) 1,4-Dioxane	6.61	88	30081	1291.299	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	582824	311.484	ug/l	99
52) Toluene	7.64	92	123647	49.165	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70171	42.465	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	75011	41.841	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	56926	57.262	ug/l	98
56) Ethyl methacrylate	8.02	69	92367	54.257	ug/l	99
57) 1,3-Dichloropropane	8.24	76	94358	51.131	ug/l	99
59) 2-Hexanone	8.36	43	470691	317.378	ug/l	100
60) Dibromochloromethane	8.48	129	52796	54.243	ug/l	98
61) 1,2-Dibromoethane	8.58	107	54835	52.599	ug/l	97
64) Tetrachloroethene	8.22	164	36142	43.350	ug/l	100
65) Chlorobenzene	9.12	112	132006	49.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45836	53.892	ug/l	98
67) Ethyl Benzene	9.25	91	261716	53.452	ug/l	99
68) m/p-Xylenes	9.37	106	204965	115.045	ug/l	99
69) o-Xylene	9.78	106	88136	50.905	ug/l	99
70) Styrene	9.79	104	143276	50.004	ug/l	99
71) Bromoform	9.96	173	42920	59.320	ug/l #	98
73) Isopropylbenzene	10.17	105	1230822	267.493	ug/l	100
74) N-amyl acetate	10.01	43	115495	43.514	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	109839	62.141	ug/l	96
76) 1,2,3-Trichloropropane	10.49	75	89076m	58.173	ug/l	
77) Bromobenzene	10.45	156	55797	51.849	ug/l	98
78) n-propylbenzene	10.59	91	2589726	452.941	ug/l	100
79) 2-Chlorotoluene	10.66	91	144970	44.018	ug/l	91
80) 1,3,5-Trimethylbenzene	10.77	105	180600	47.416	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	23352m	37.627	ug/l	
82) 4-Chlorotoluene	10.77	91	185418	47.509	ug/l	99
83) tert-Butylbenzene	11.10	119	254475	69.317	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2317490	590.394	ug/l	99
85) sec-Butylbenzene	11.32	105	676054	143.344	ug/l	98
86) p-Isopropyltoluene	11.48	119	198289	49.494	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	96904	47.688	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	100375	47.744	ug/l	100
89) n-Butylbenzene	11.89	91	403331	99.475	ug/l	90
90) Hexachloroethane	12.14	117	42414	70.043	ug/l	74
91) 1,2-Dichlorobenzene	11.88	146	103248	50.796	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27804	72.657	ug/l	92
93) 1,2,4-Trichlorobenzene	13.50	180	64553	46.281	ug/l	96

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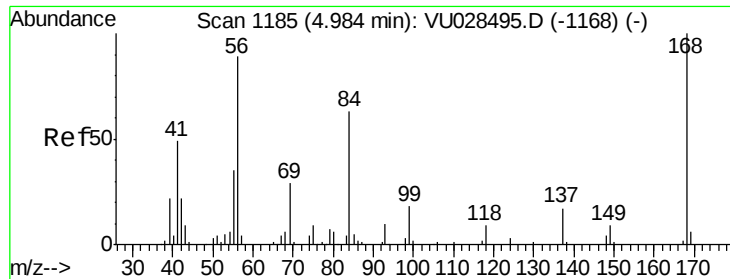
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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QLast Update : Fri Dec 07 00:39:42 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	13089	19.659	ug/l	97
95) Naphthalene	13.74	128	280601	57.530	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	66995	48.200	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion: 168 Resp: 74850

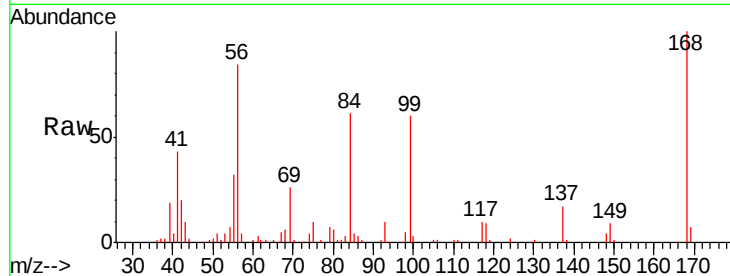
Ion Ratio Lower Upper

168 100

99 60.2 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

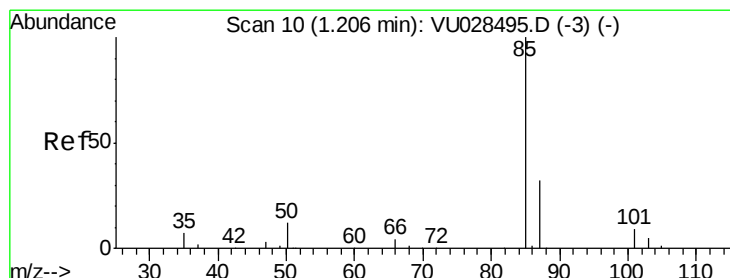
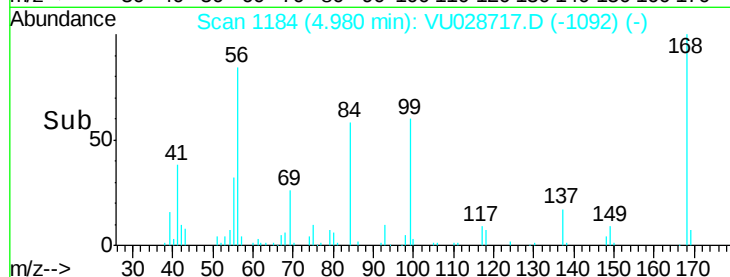
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.595 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028717.D

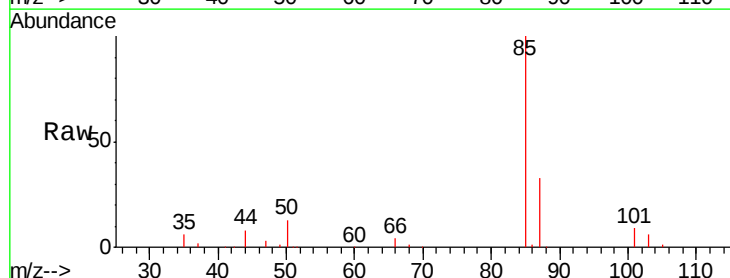
Acq: 17 Dec 2018 13:54

Tgt Ion: 85 Resp: 46747

Ion Ratio Lower Upper

85 100

87 33.2 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

50000

40000

30000

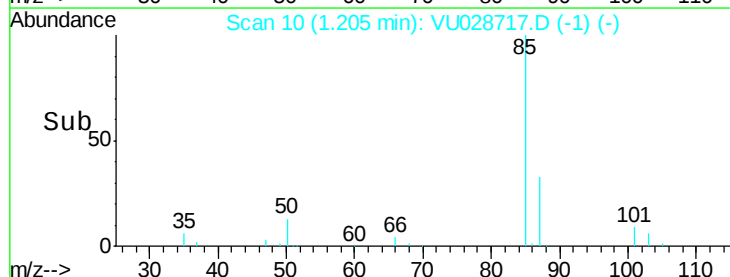
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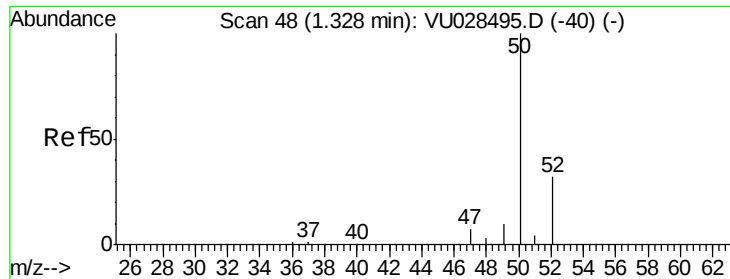
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.165 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 50 Resp: 83305

Ion Ratio Lower Upper

50 100

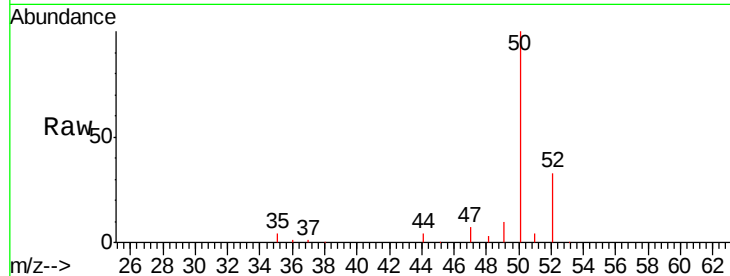
52 32.7 25.5 38.3

Manual Integrations

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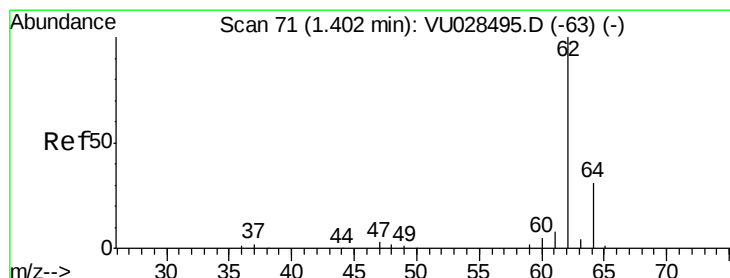
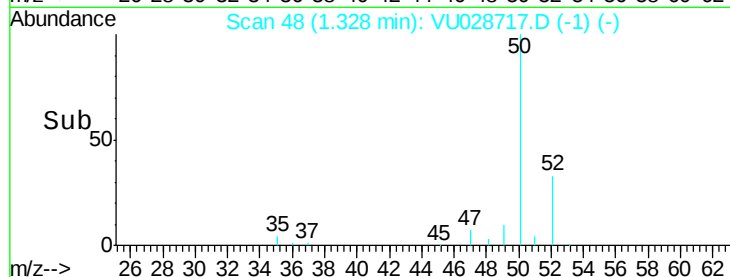
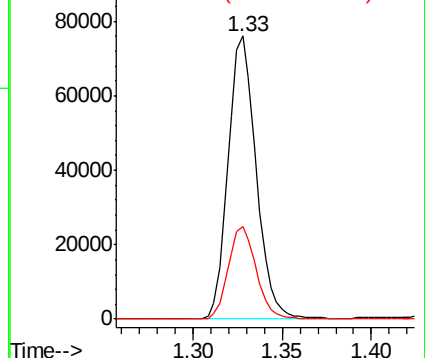
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.963 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028717.D

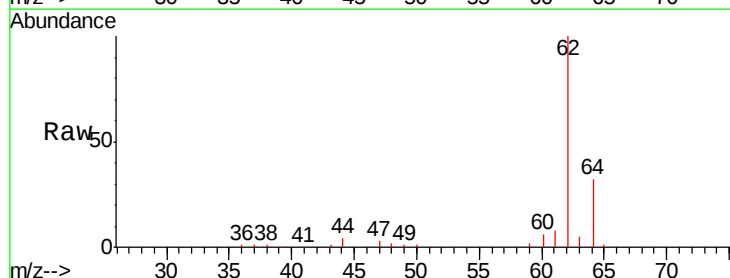
Acq: 17 Dec 2018 13:54

Tgt Ion: 62 Resp: 63844

Ion Ratio Lower Upper

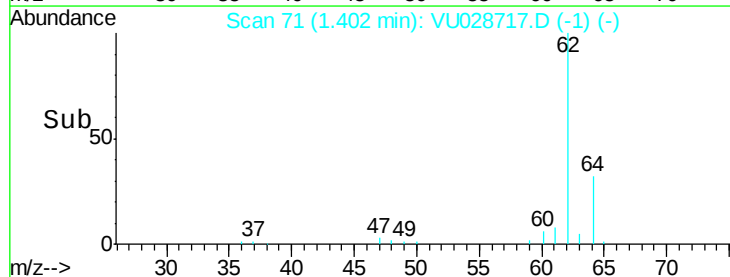
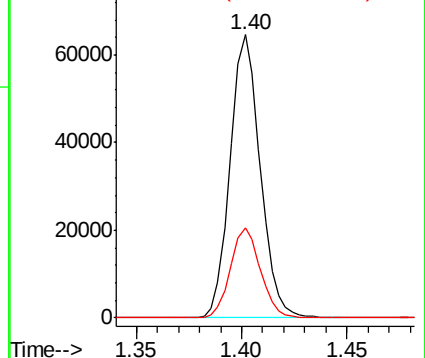
62 100

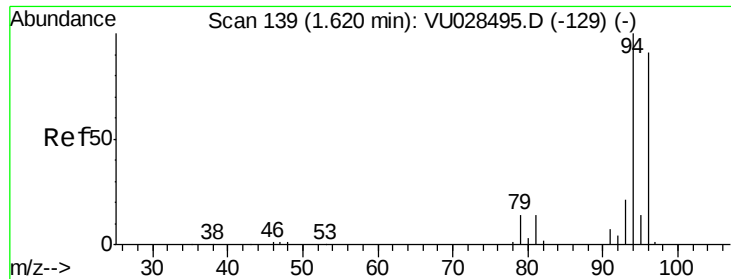
64 31.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 59.900 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 94 Resp: 32118

Ion Ratio Lower Upper

94 100

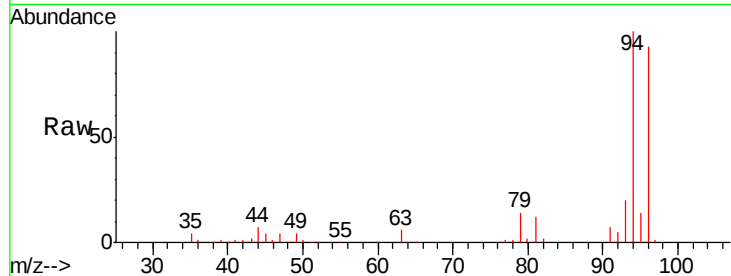
96 92.9 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

40000

30000

20000

10000

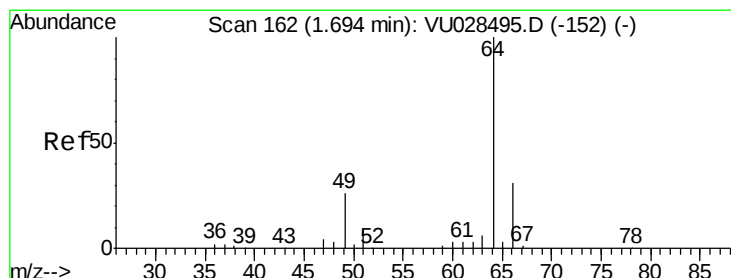
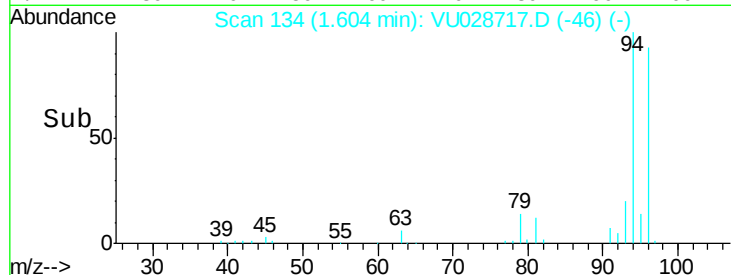
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Time-->

1.55

1.60

1.65



#6

Chloroethane

Concen: 48.860 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028717.D

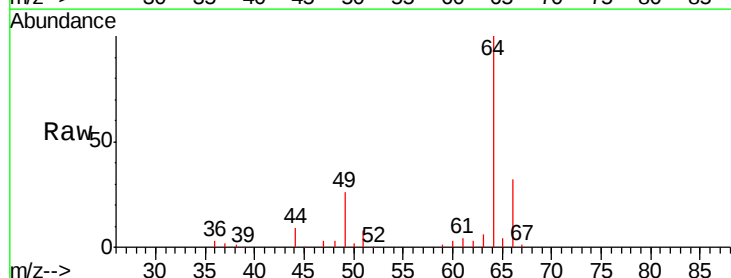
Acq: 17 Dec 2018 13:54

Tgt Ion: 64 Resp: 36819

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

30000

20000

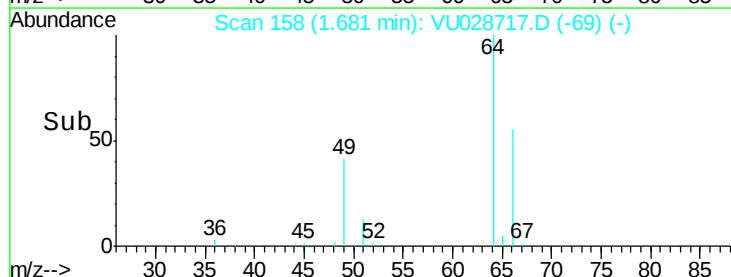
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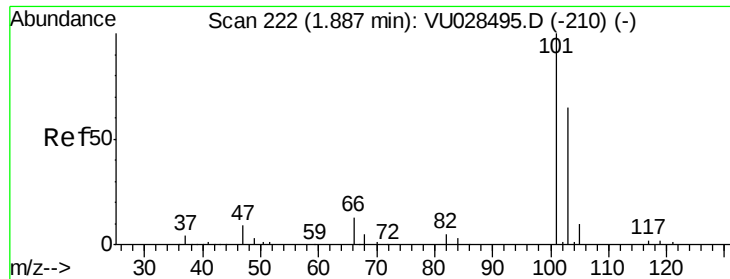
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Time-->

1.65

1.70





#7

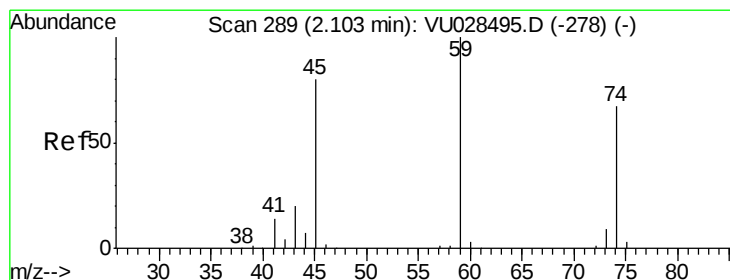
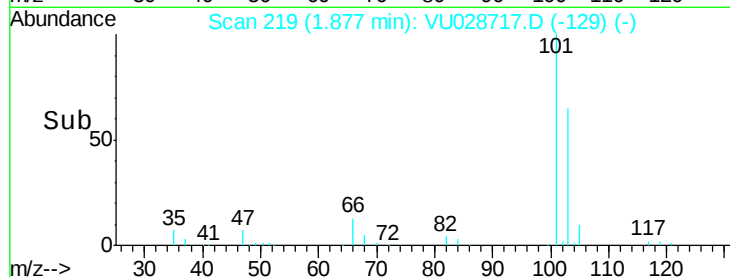
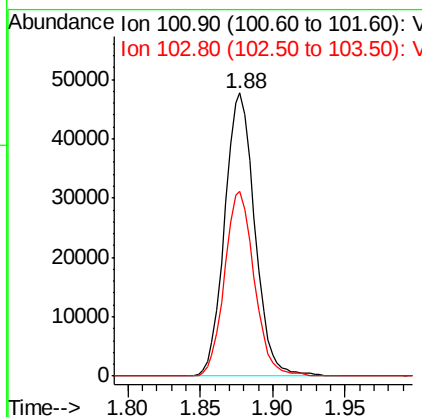
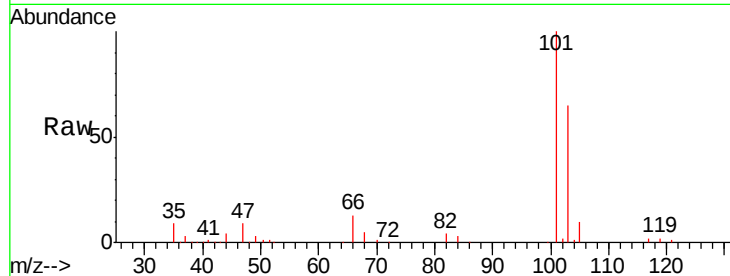
Trichlorofluoromethane
Concen: 48.930 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

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Tgt Ion: 101 Resp: 68524
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5

Manual Integrations
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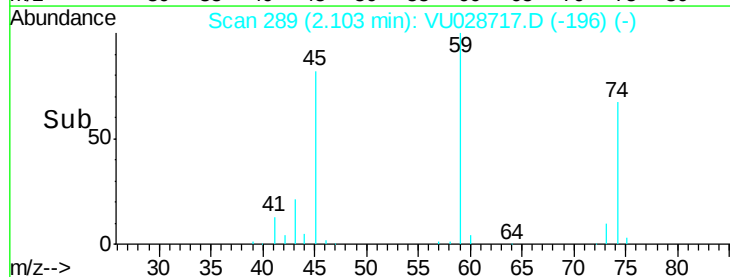
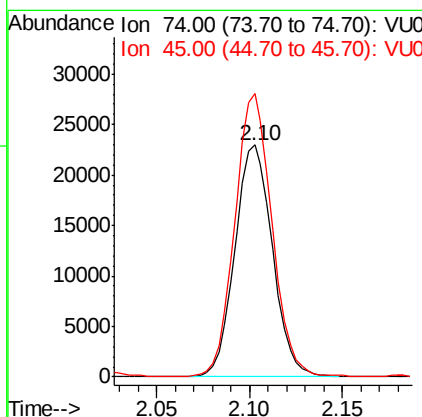
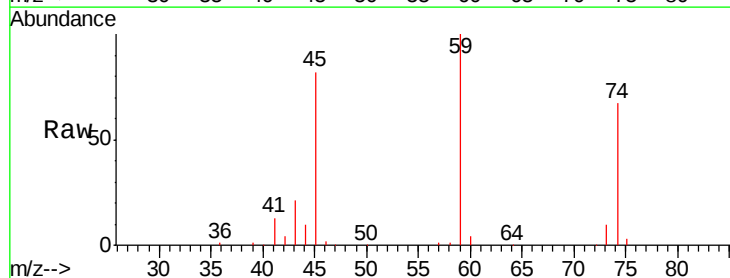
MMDadoda
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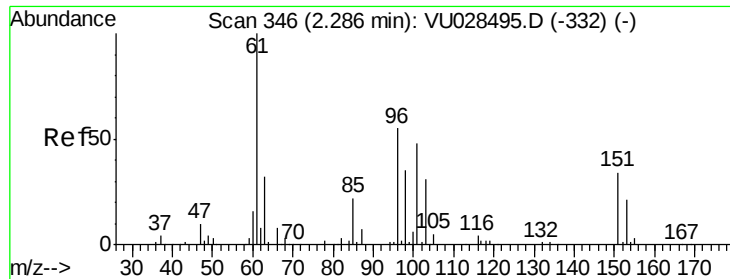


#8

Diethyl Ether
Concen: 49.204 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 74 Resp: 32239
Ion Ratio Lower Upper
74 100
45 121.1 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.484 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028717.D

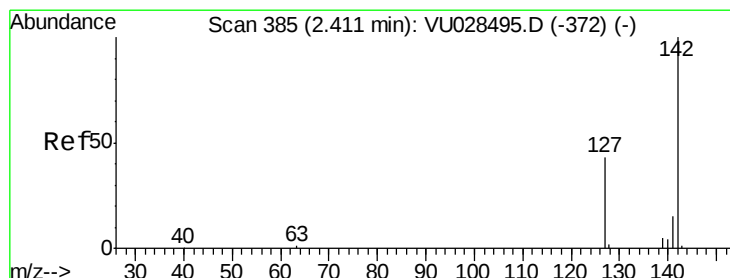
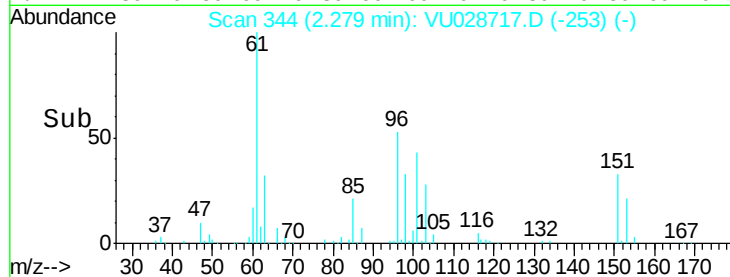
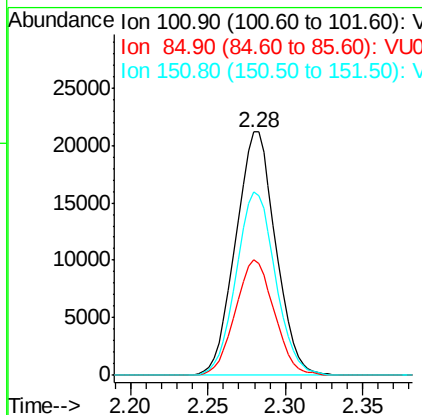
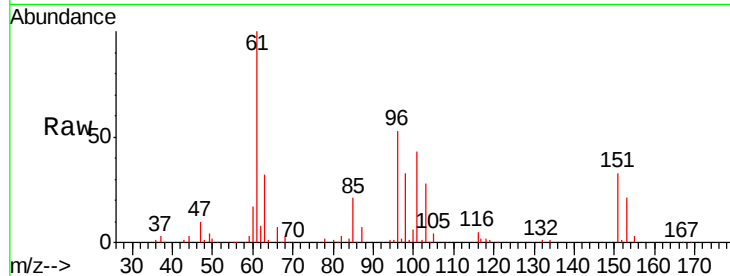
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion:	101	Resp:	38096
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.4	54.6
151	73.9	58.2	87.2

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#10

Methyl Iodide

Concen: 62.947 ug/l

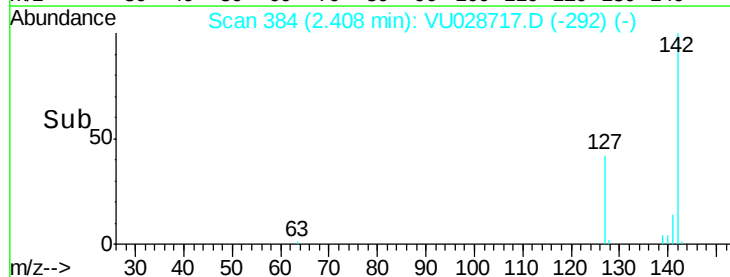
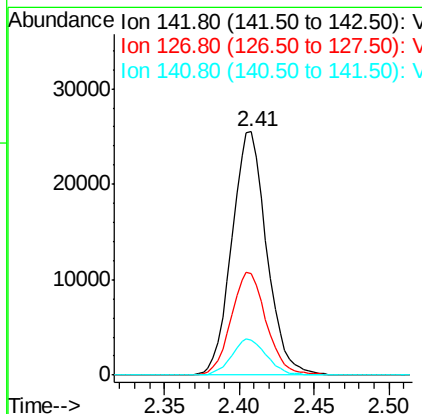
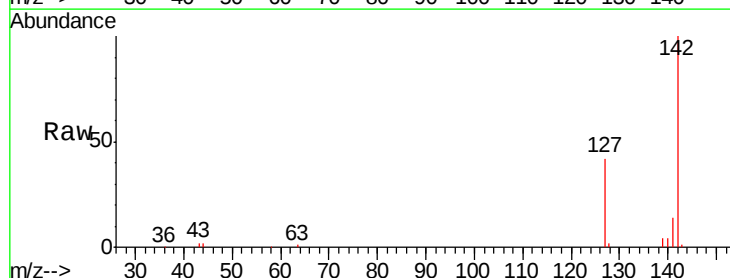
RT: 2.41 min Scan# 384

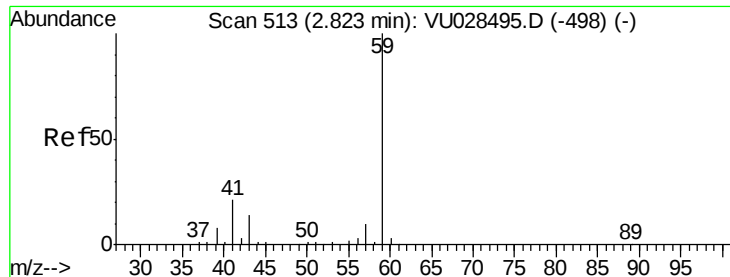
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	142	Resp:	41369
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.5	50.3
141	14.7	11.2	16.8





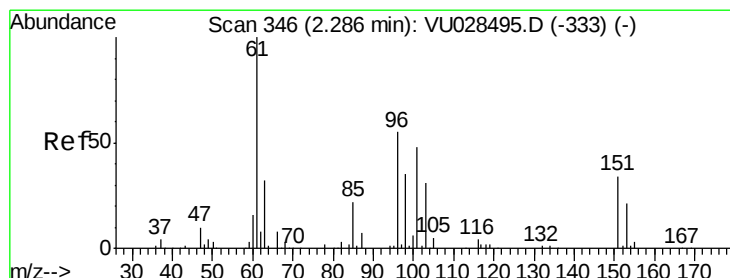
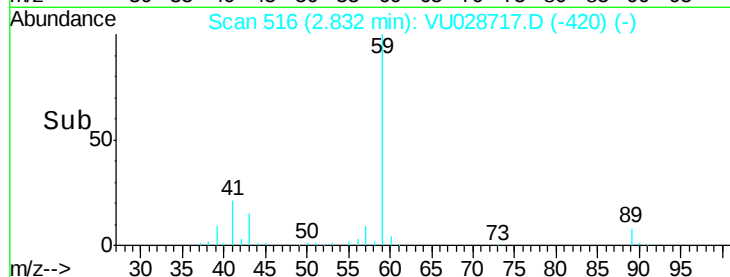
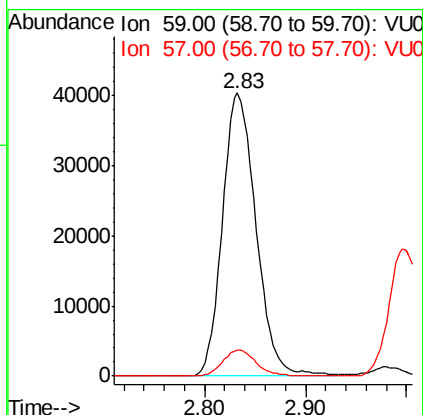
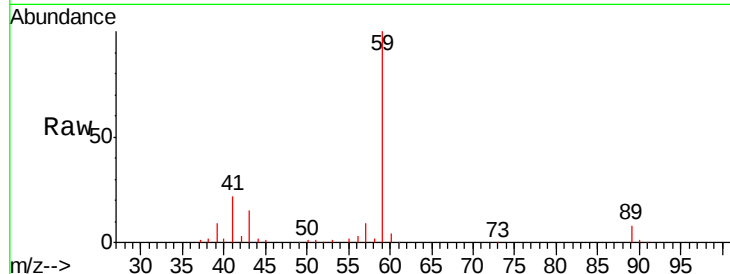
#11
Tert butyl alcohol
Concen: 367.345 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.0	12.0

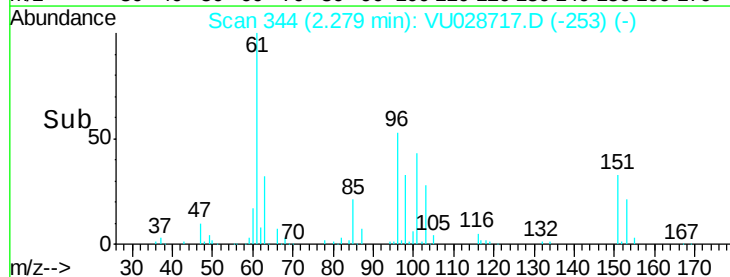
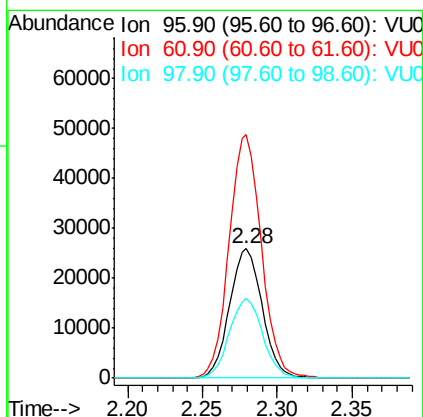
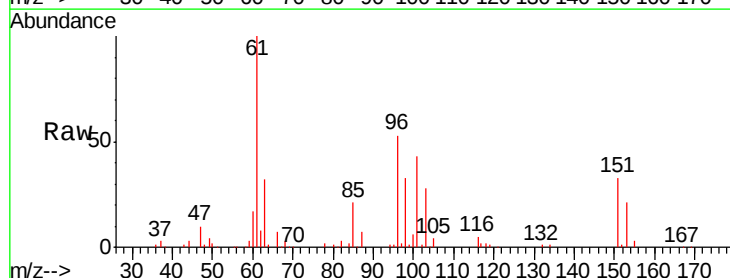
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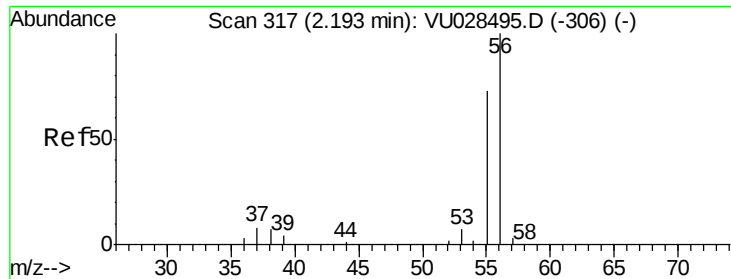
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.378 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.9	146.4	219.6
98	61.3	51.8	77.8





#13

Acrolein

Concen: 321.755 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 56 Resp: 65277

Ion Ratio Lower Upper

56 100

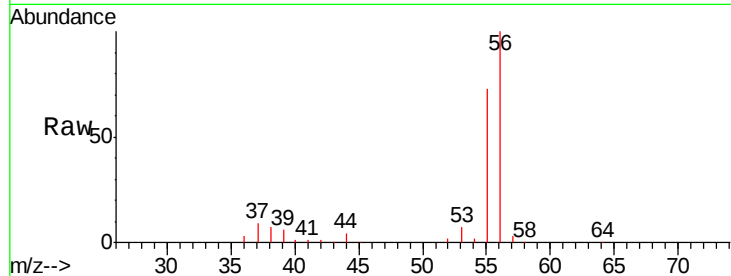
55 71.3 57.5 86.3

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

40000

30000

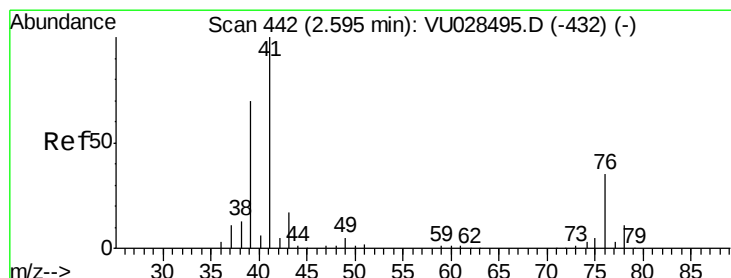
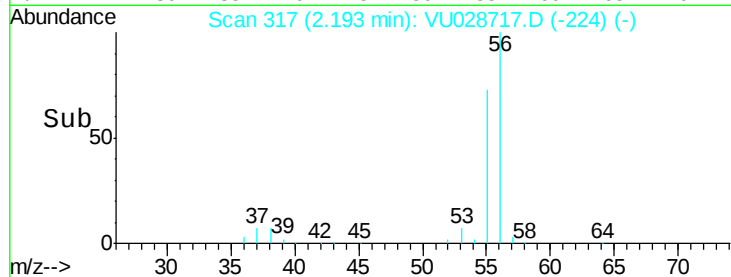
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 48.139 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

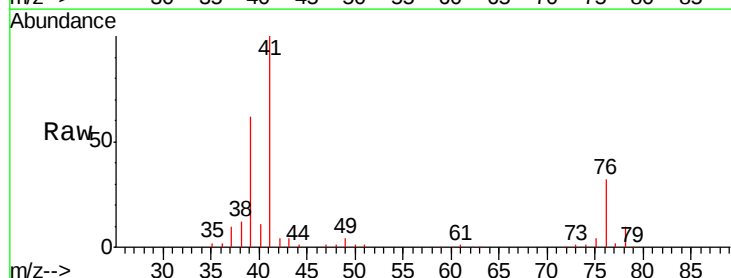
Tgt Ion: 41 Resp: 94904

Ion Ratio Lower Upper

41 100

39 54.5 50.8 76.2

76 26.0 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

100000

80000

60000

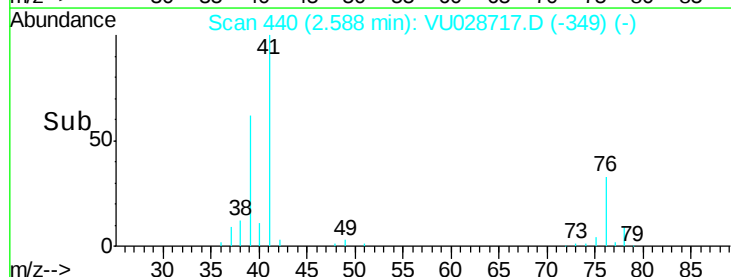
40000

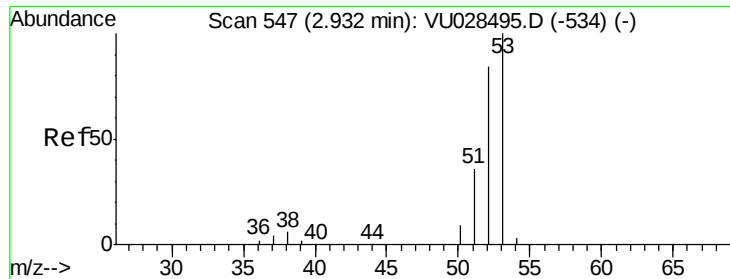
20000

0

Time-->

2.50 2.60 2.70





#15

Acrylonitrile

Concen: 304.643 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

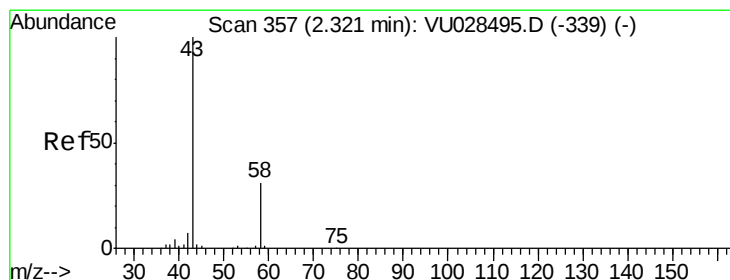
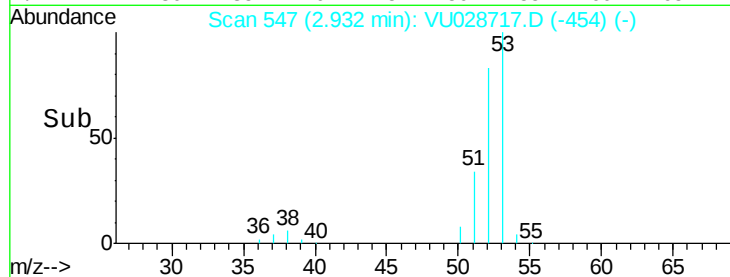
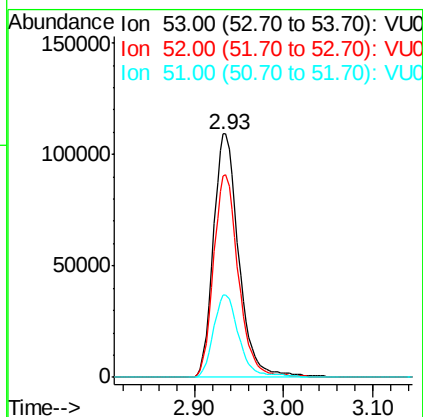
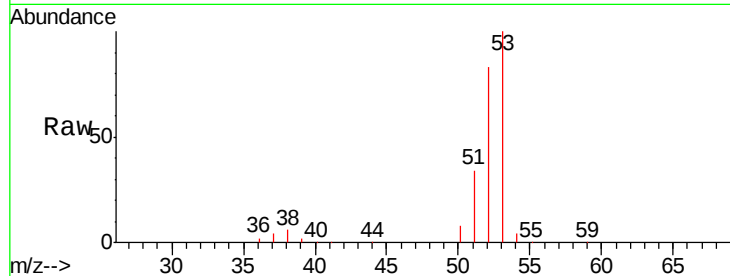
ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion:	53	Resp:	215245
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.1	99.1
51	34.5	28.1	42.1

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#16

Acetone

Concen: 255.426 ug/l

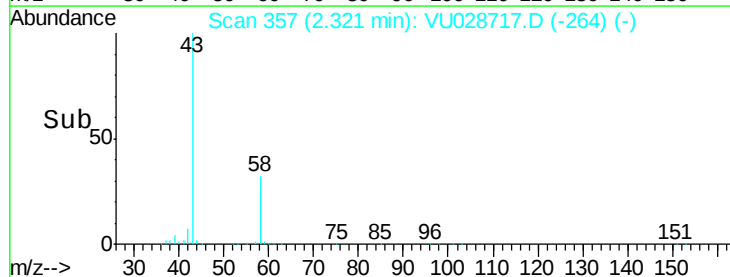
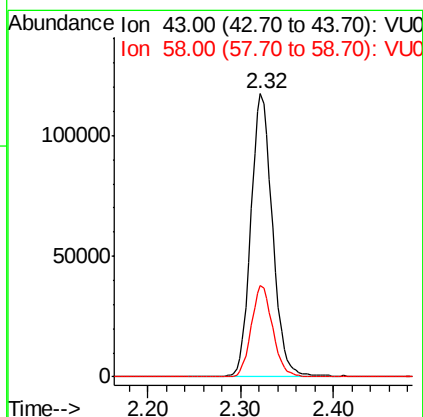
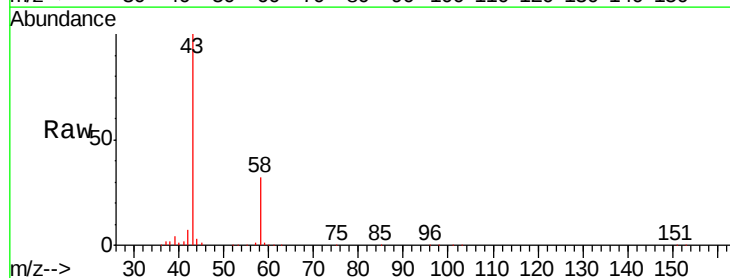
RT: 2.32 min Scan# 357

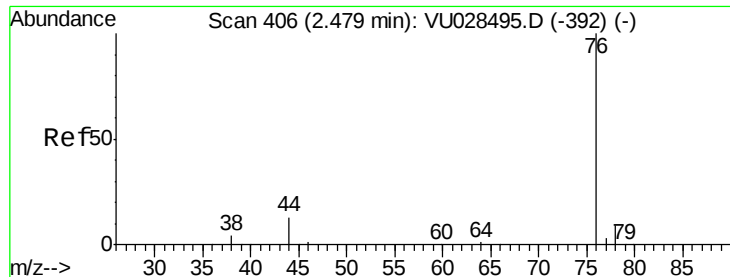
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	43	Resp:	190389
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.6	37.0





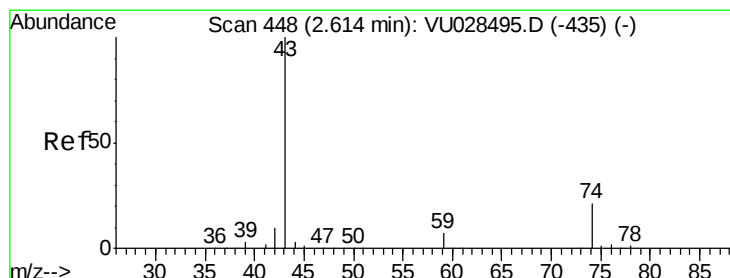
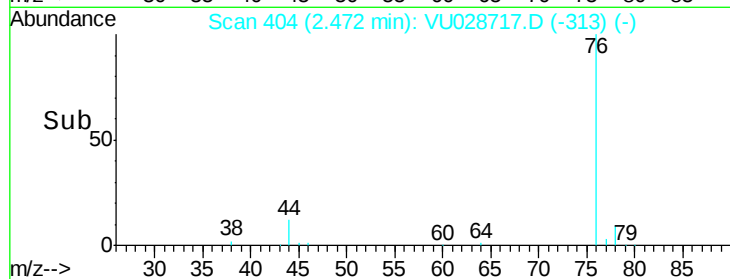
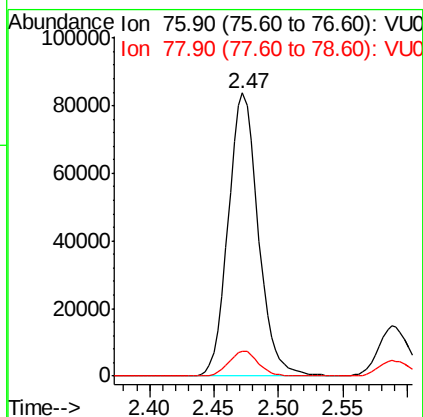
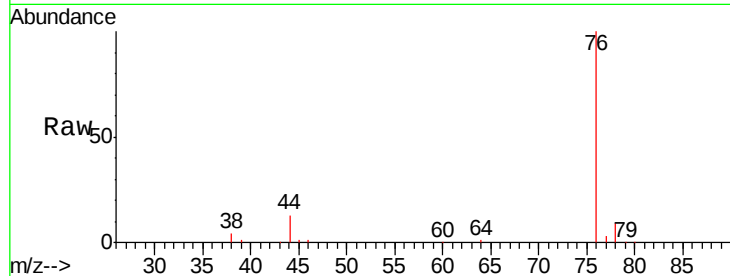
#17
Carbon Disulfide
Concen: 45.106 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion: 76 Resp: 135417
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

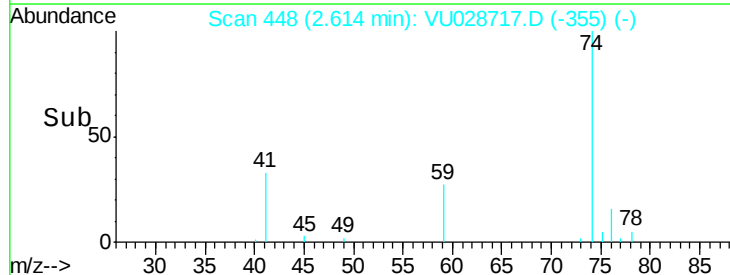
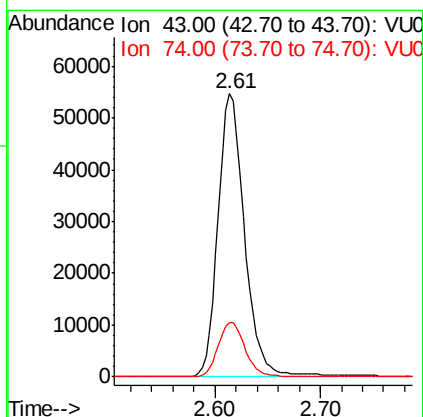
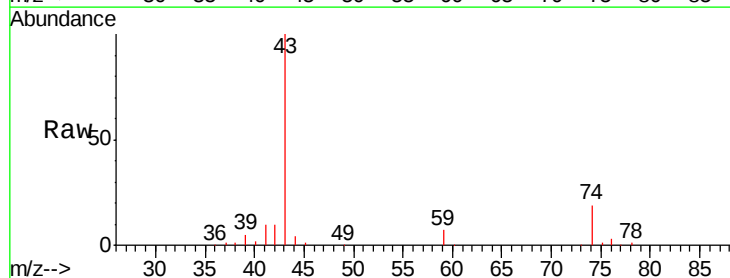
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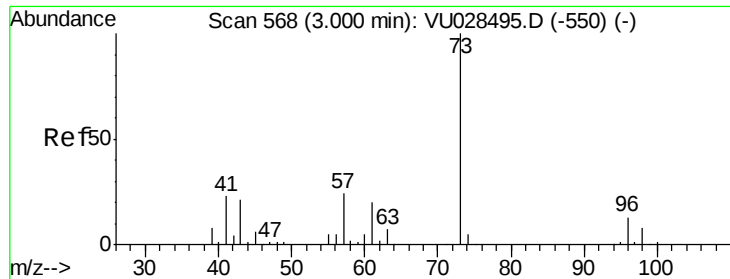
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#18
Methyl Acetate
Concen: 49.505 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 43 Resp: 95654
Ion Ratio Lower Upper
43 100
74 19.6 16.4 24.6





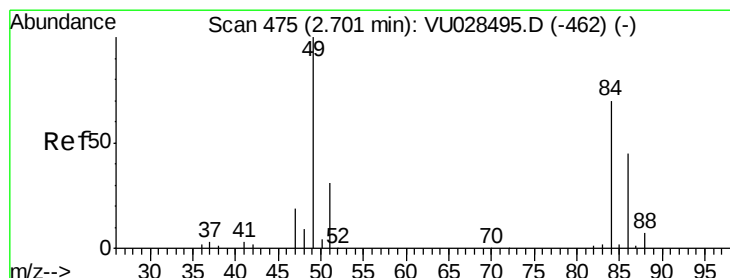
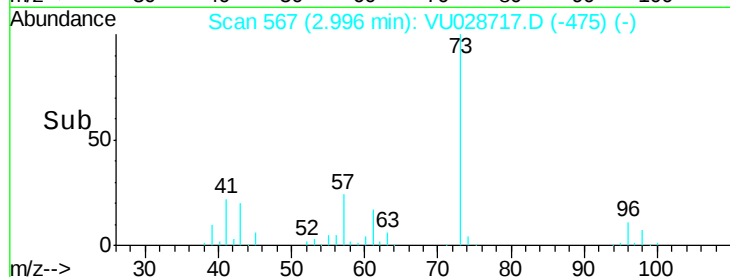
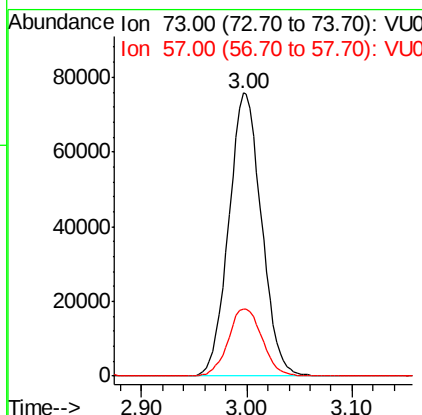
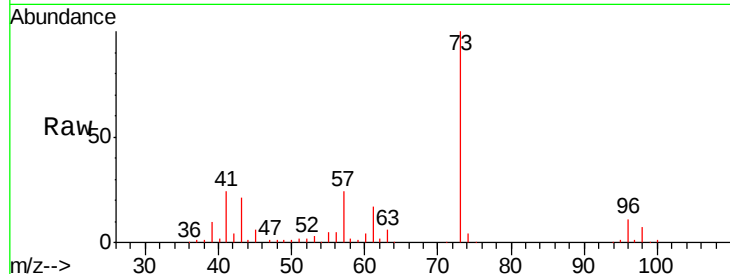
#19
Methyl tert-butyl Ether
Concen: 51.525 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion: 73 Resp: 162779
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.2

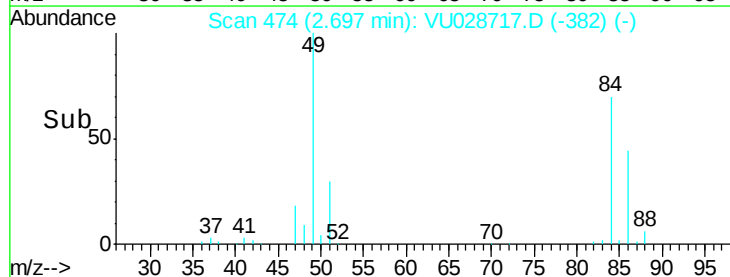
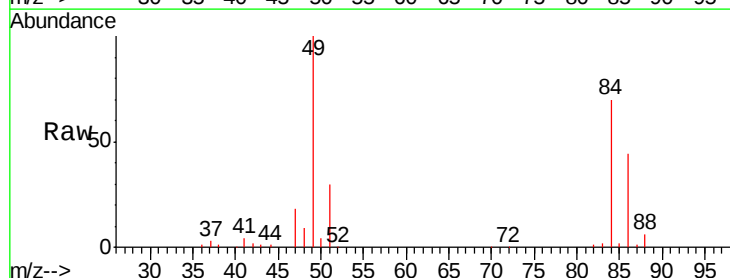
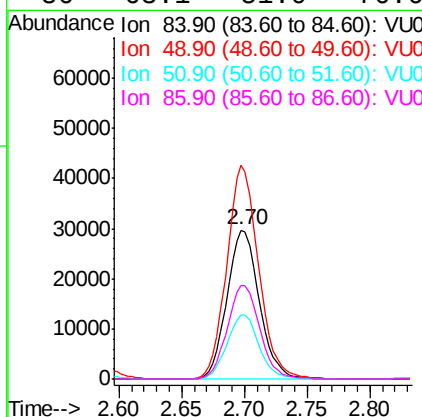
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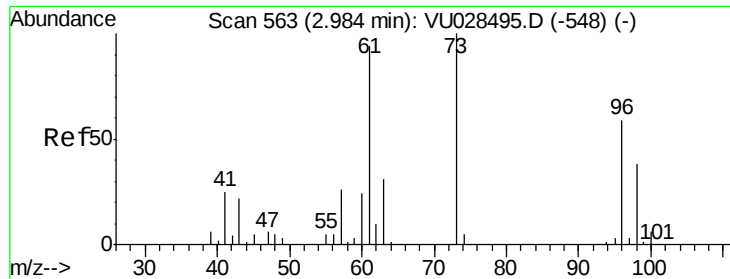
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#20
Methylene Chloride
Concen: 48.246 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 84 Resp: 53012
Ion Ratio Lower Upper
84 100
49 143.4 114.0 171.0
51 42.6 35.1 52.7
86 63.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.474 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

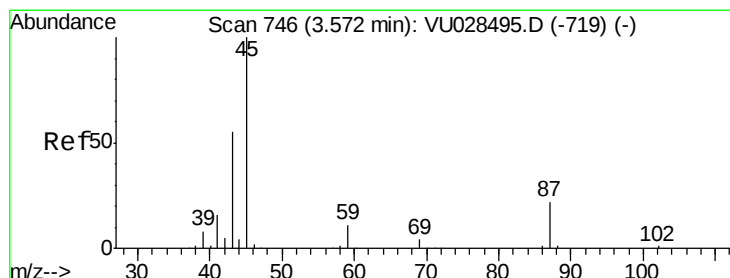
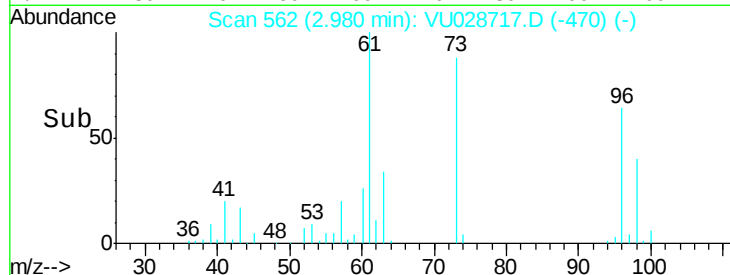
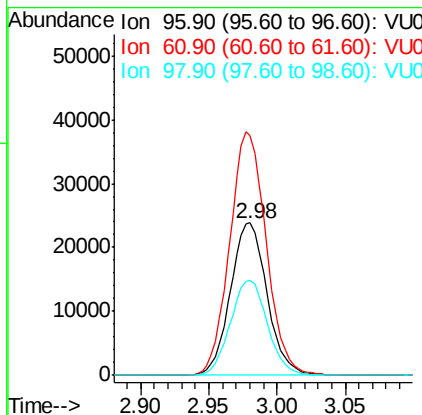
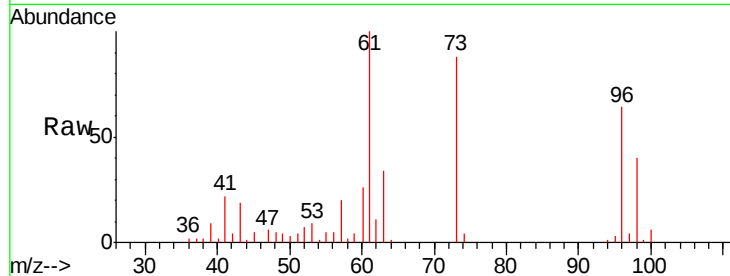
ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion:	96	Resp:	44545
Ion	Ratio	Lower	Upper
96	100		
61	157.4	127.0	190.4
98	62.8	51.9	77.9

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#22

Diisopropyl ether

Concen: 51.984 ug/l

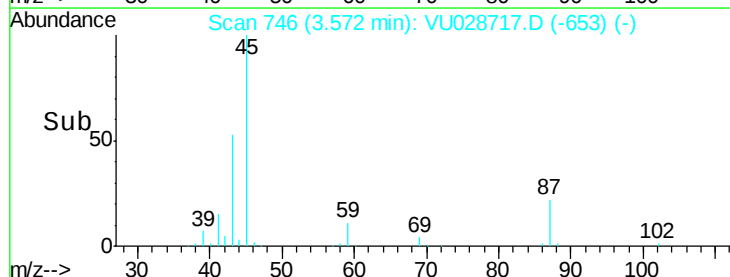
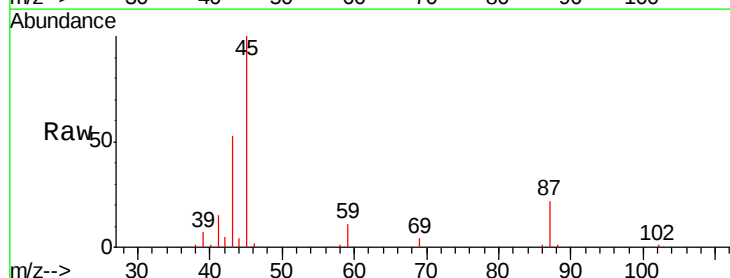
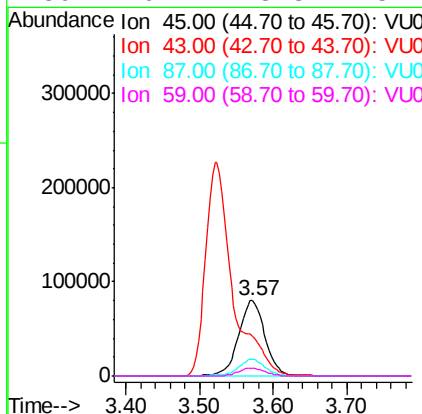
RT: 3.57 min Scan# 746

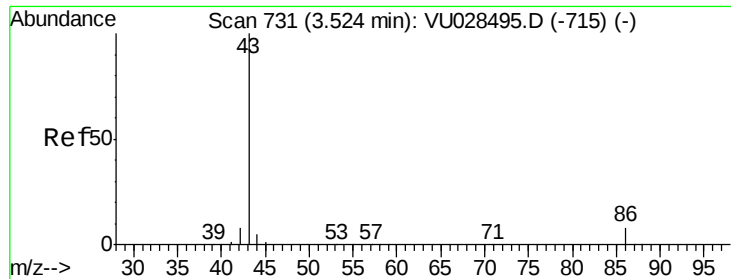
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	45	Resp:	199298
Ion	Ratio	Lower	Upper
45	100		
43	52.9	45.3	67.9
87	22.4	17.6	26.4
59	10.7	8.8	13.2





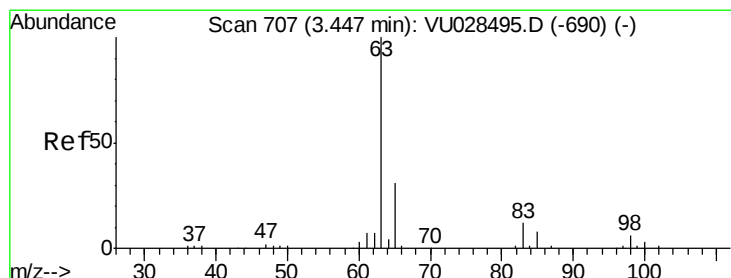
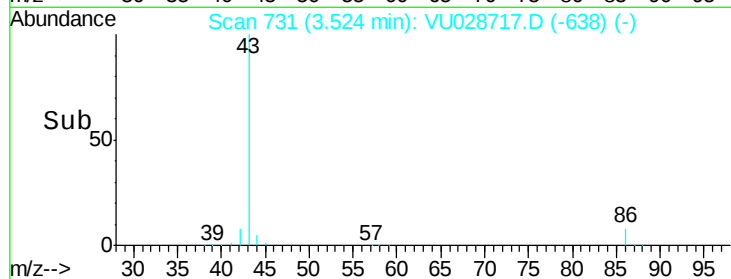
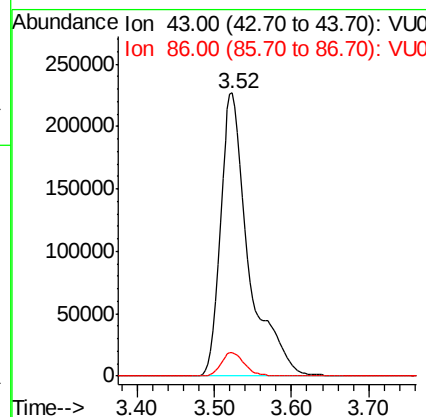
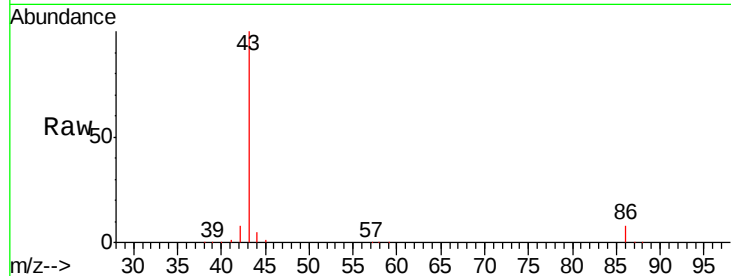
#23
 Vinyl Acetate
 Concen: 183.139 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.8	10.2

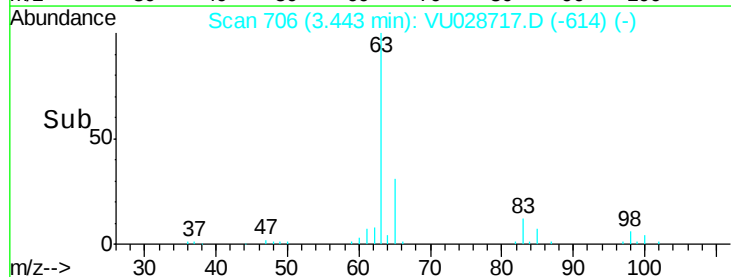
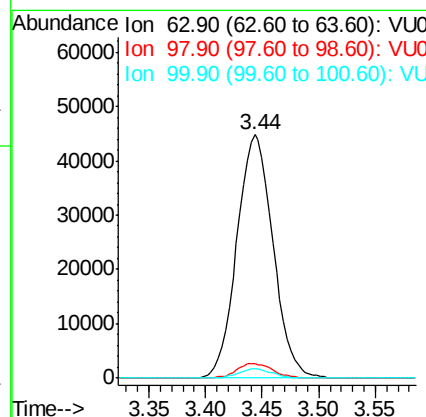
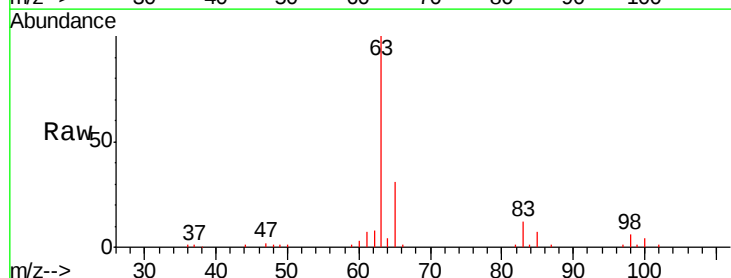
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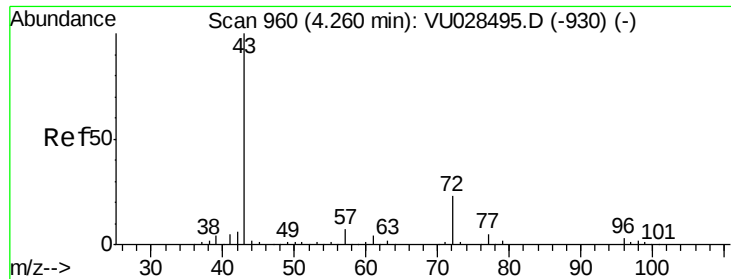
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#24
 1,1-Dichloroethane
 Concen: 49.658 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.0	9.2
100	3.9	1.7	5.1





#25

2-Butanone

Concen: 302.526 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 43 Resp: 308163

Ion Ratio Lower Upper

43 100

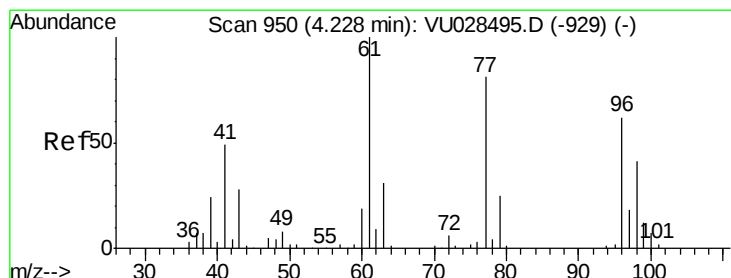
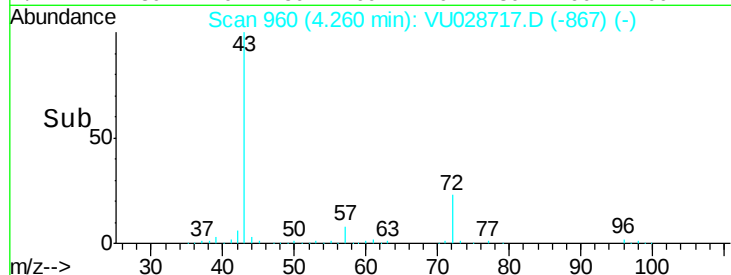
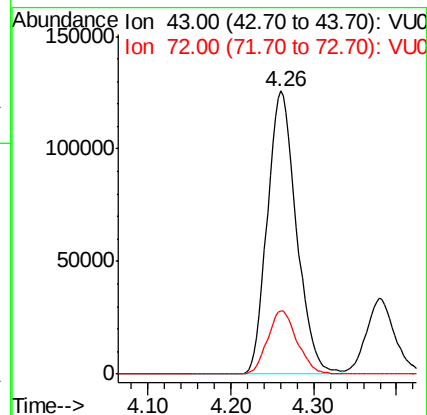
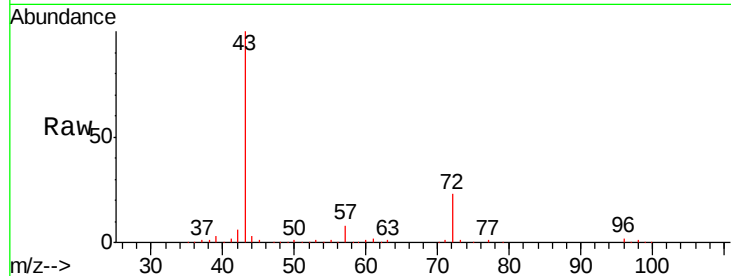
72 22.5 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 16.594 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028717.D

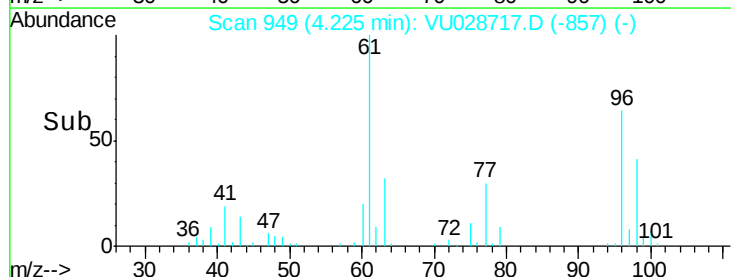
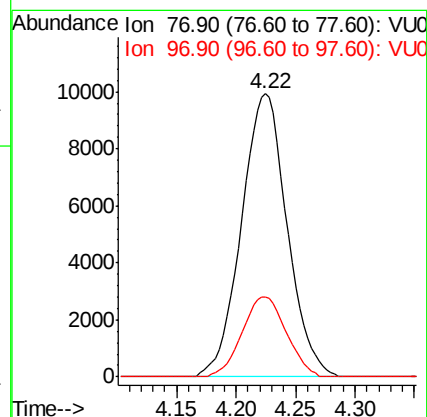
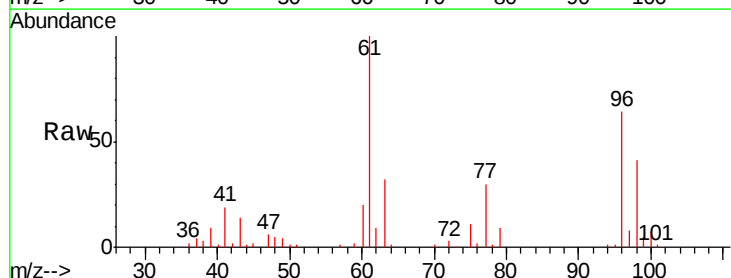
Acq: 17 Dec 2018 13:54

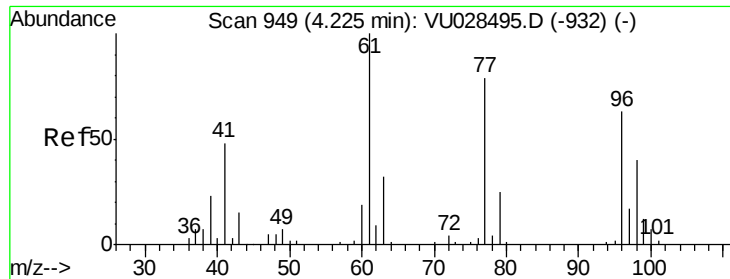
Tgt Ion: 77 Resp: 26387

Ion Ratio Lower Upper

77 100

97 27.4 11.0 33.0





#27

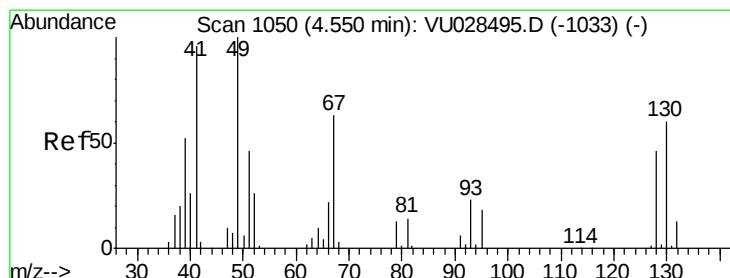
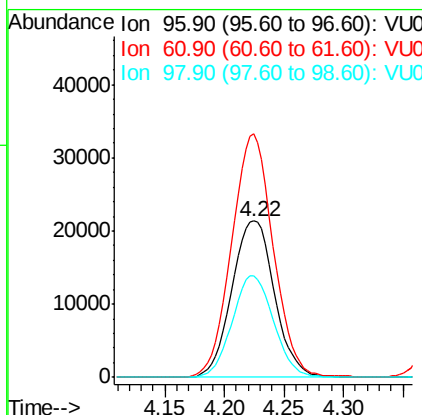
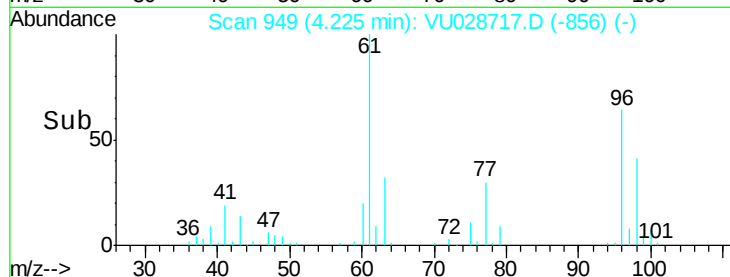
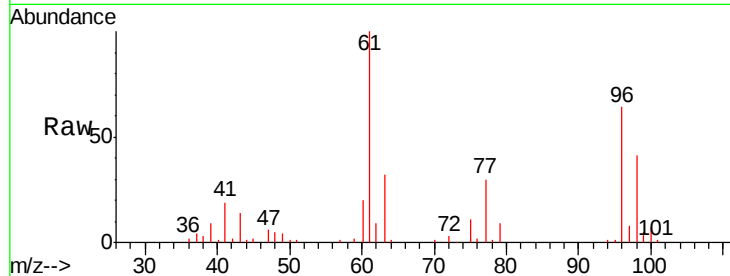
cis-1,2-Dichloroethene
Concen: 49.989 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53089		
61	151.8	0.0	332.4	
98	62.7	0.0	129.0	

Manual Integrations
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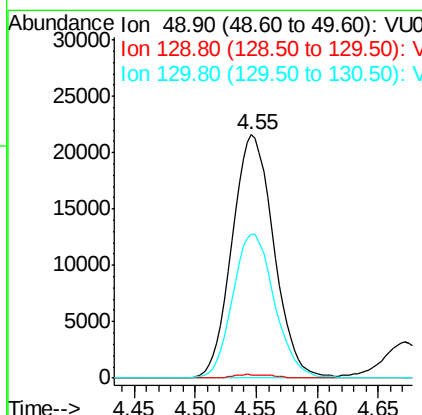
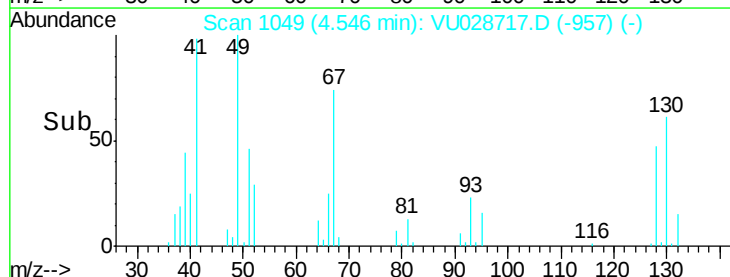
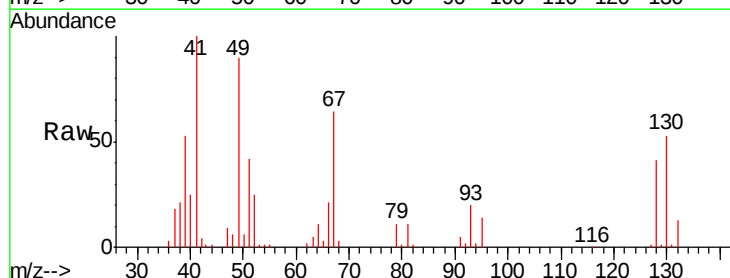
MMDadoda
12/18/2018 11:31:03 AM

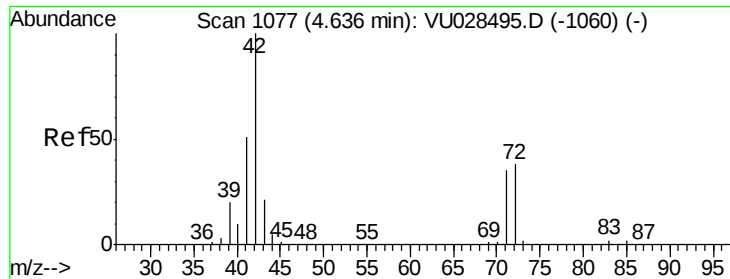


#28

Bromochloromethane
Concen: 56.214 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51285		
129	1.4	0.0	3.0	
130	59.1	47.8	71.8	





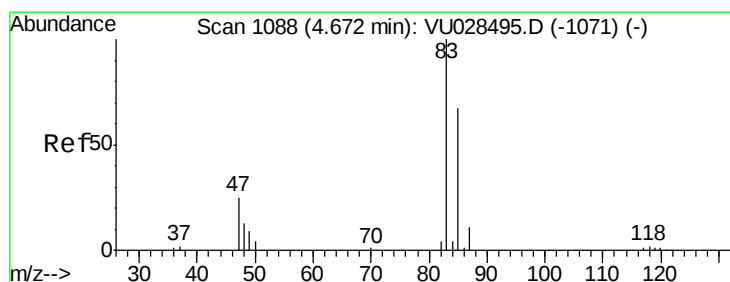
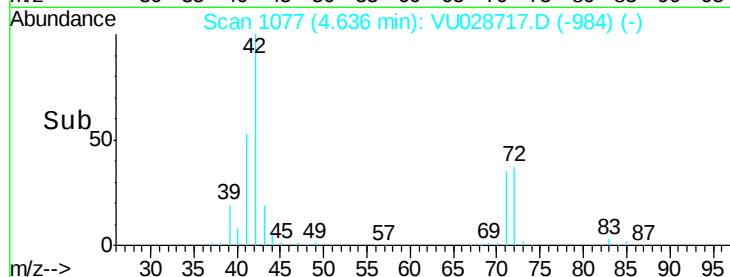
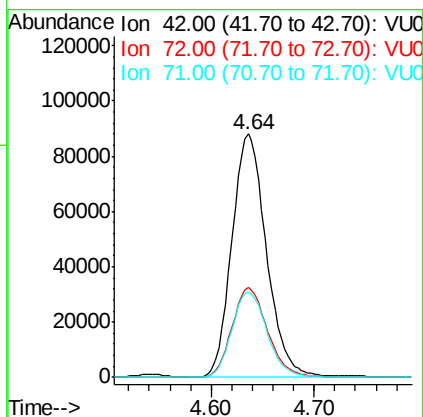
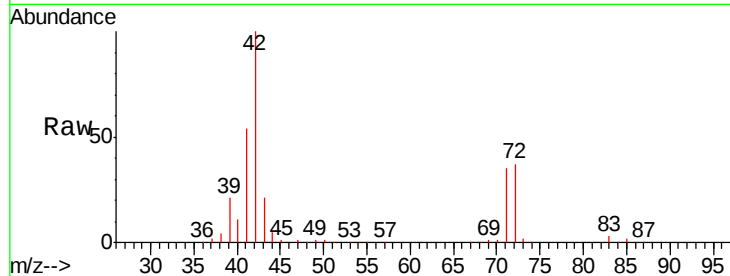
#29
Tetrahydrofuran
Concen: 312.966 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.0
71	36.3	28.6	43.0

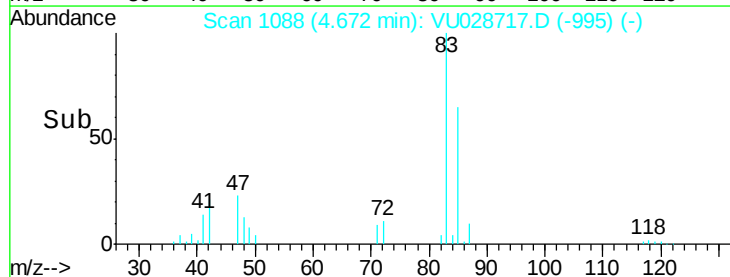
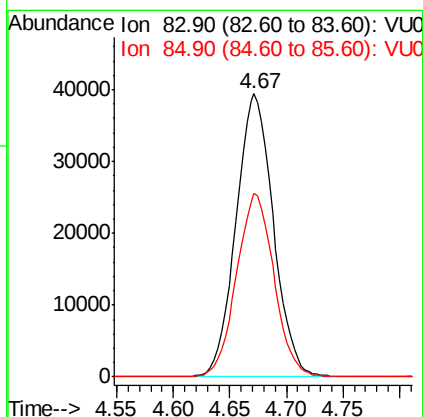
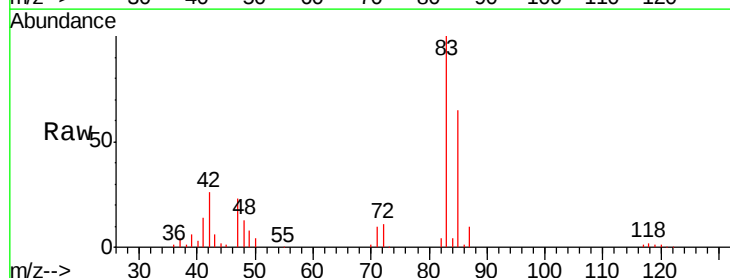
Manual Integrations
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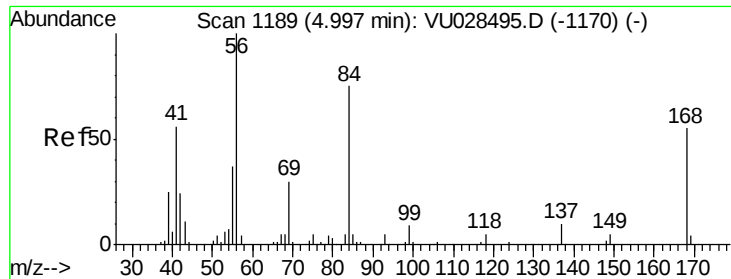
MMDadoda
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#30
Chloroform
Concen: 51.791 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.6	80.4





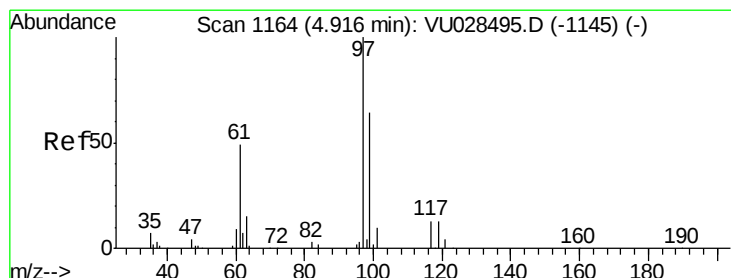
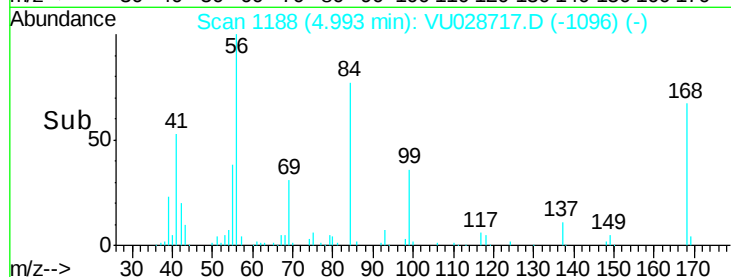
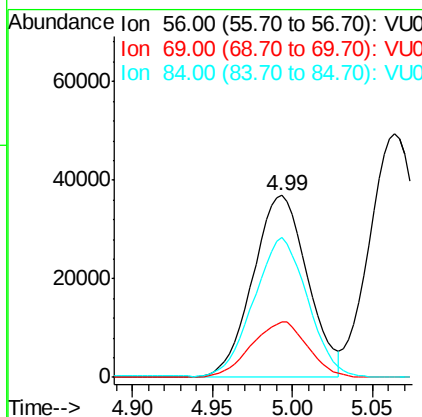
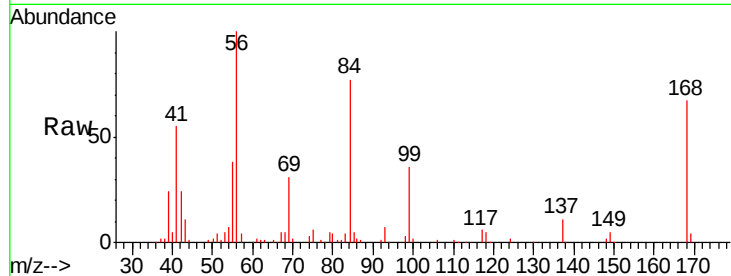
#31
Cyclohexane
Concen: 44.505 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.0	36.0
84	76.0	59.7	89.5

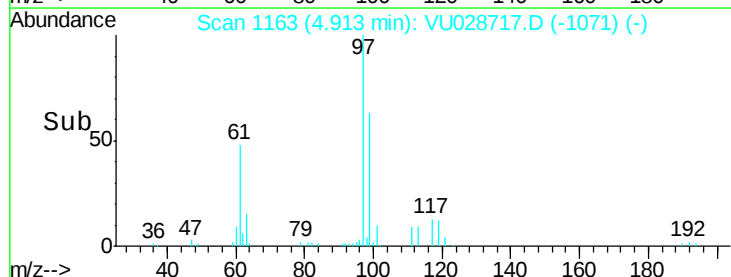
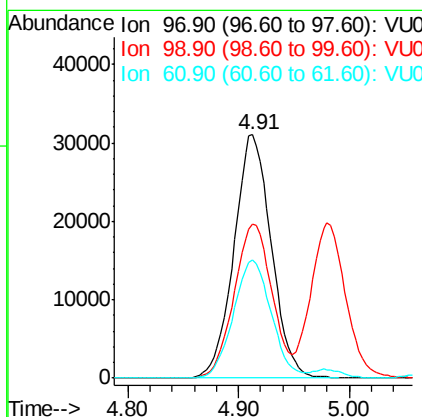
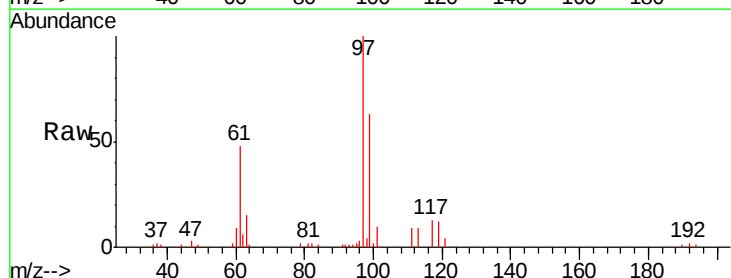
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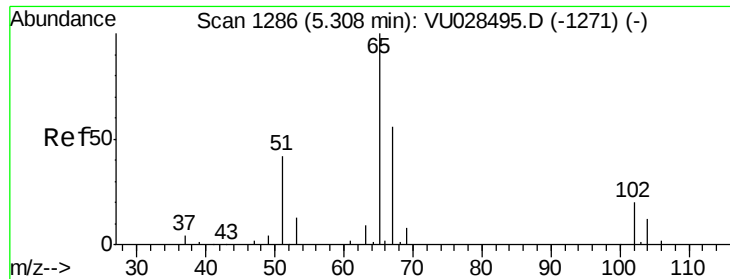
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.104 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	49.2	39.0	58.6





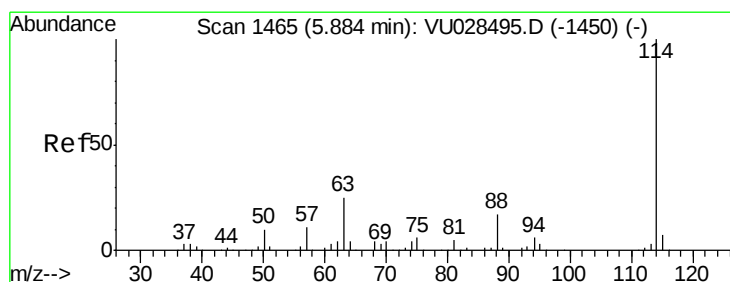
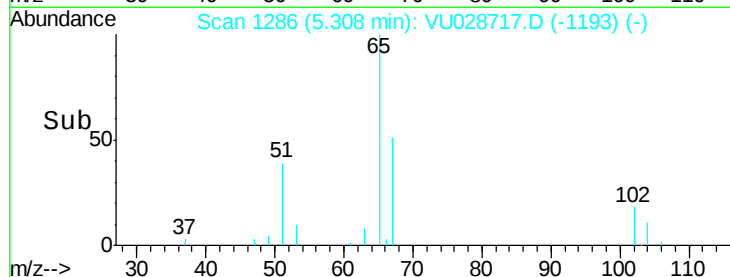
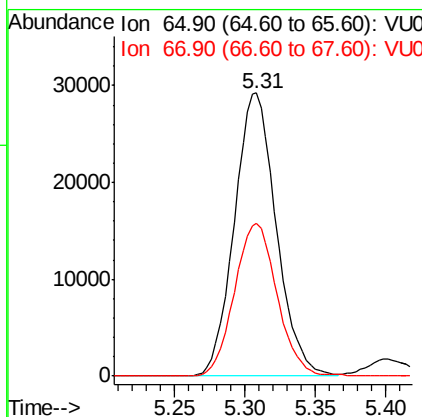
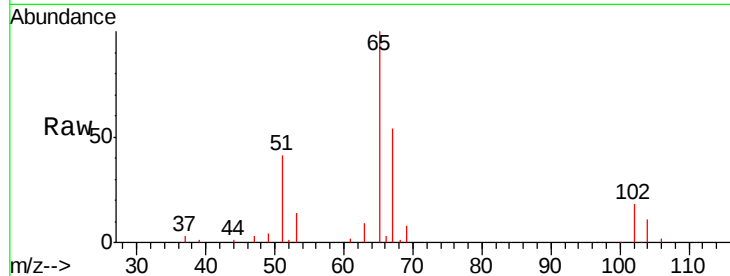
#33
 1,2-Dichloroethane-d4
 Concen: 53.201 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion: 65 Resp: 60769
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6

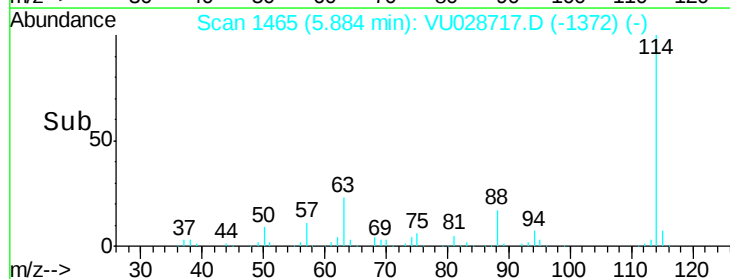
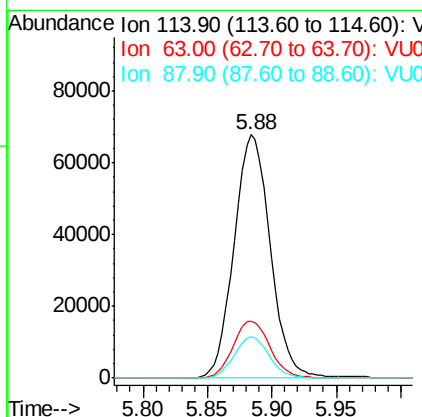
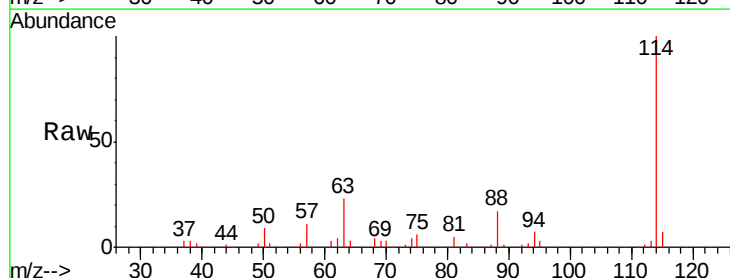
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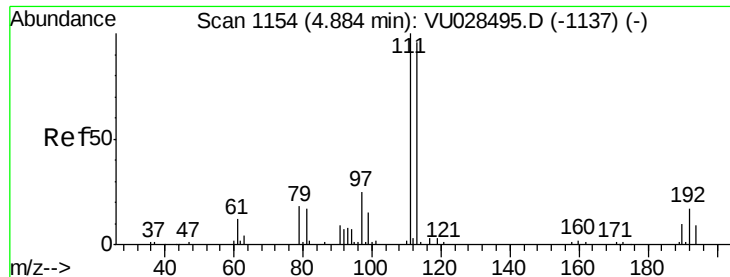
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 114 Resp: 132592
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.2
 88 17.0 0.0 33.4





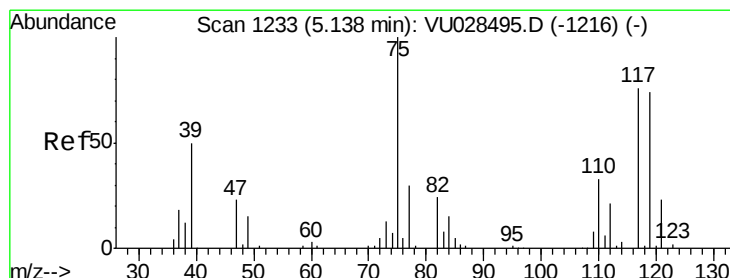
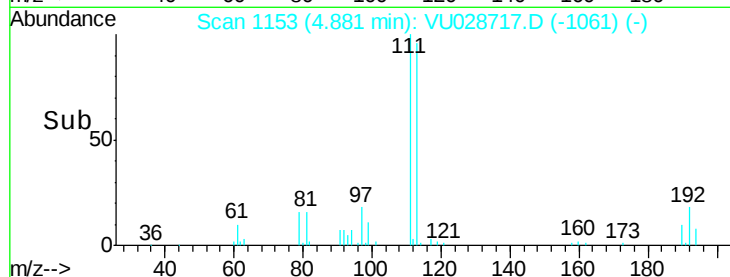
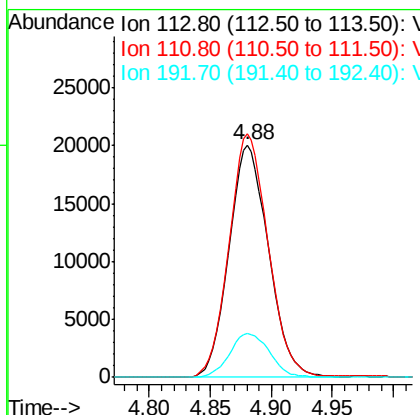
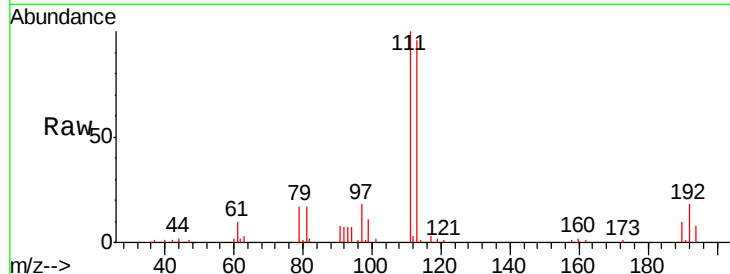
#35
 Dibromofluoromethane
 Concen: 54.103 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	45144		
111	103.9	83.4	125.0	
192	19.1	14.8	22.2	

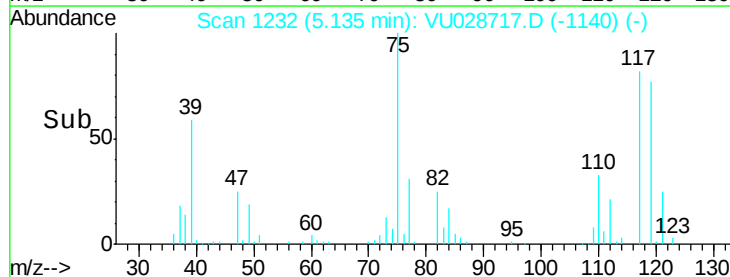
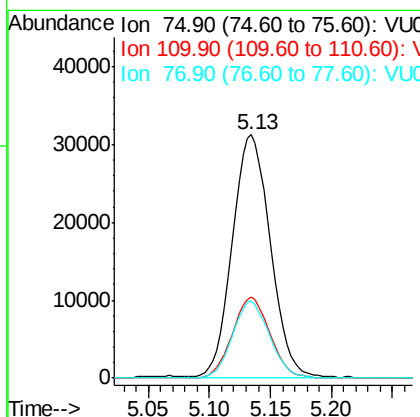
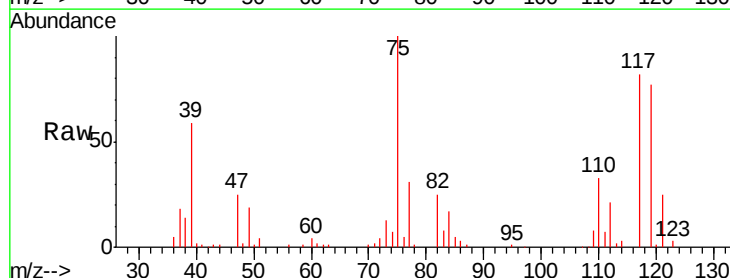
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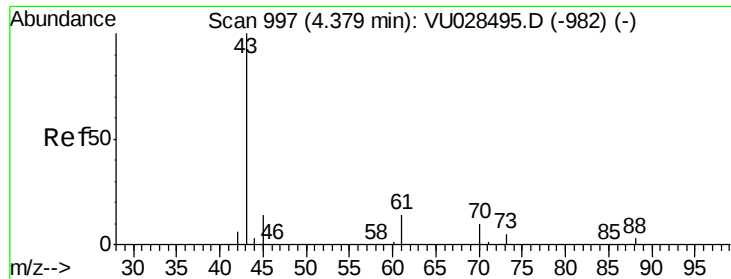
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#36
 1,1-Dichloropropene
 Concen: 46.227 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67072		
110	33.1	16.1	48.2	
77	31.1	24.5	36.7	





#37

Ethyl Acetate

Concen: 43.414 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028717.D

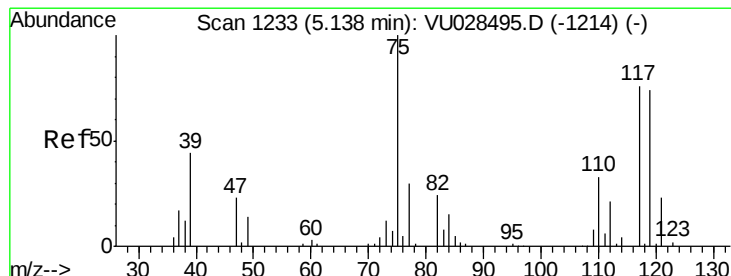
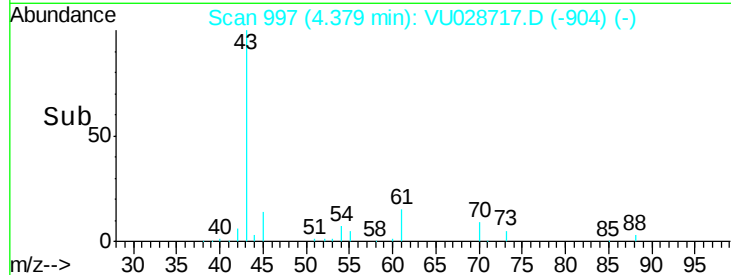
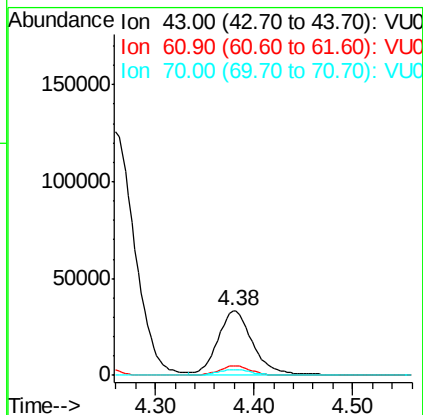
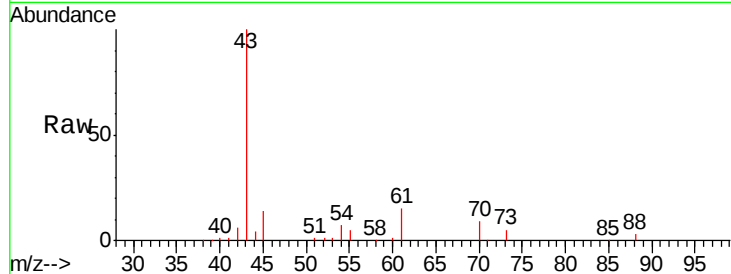
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion:	43	Resp:	81429
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.1	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.658 ug/l

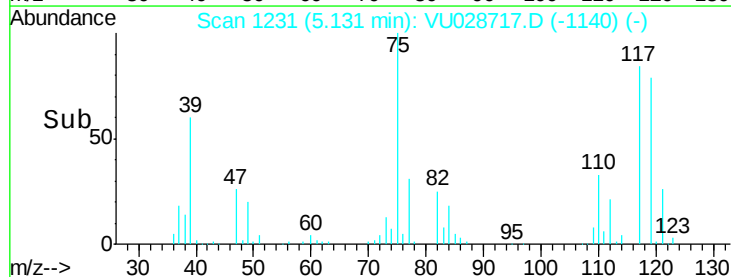
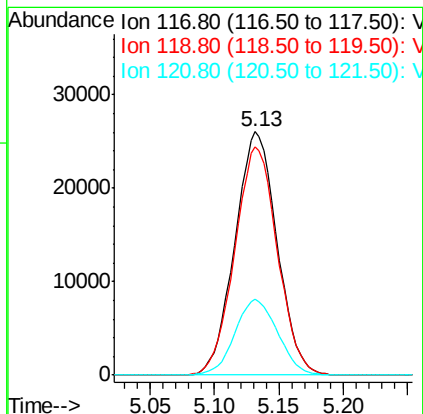
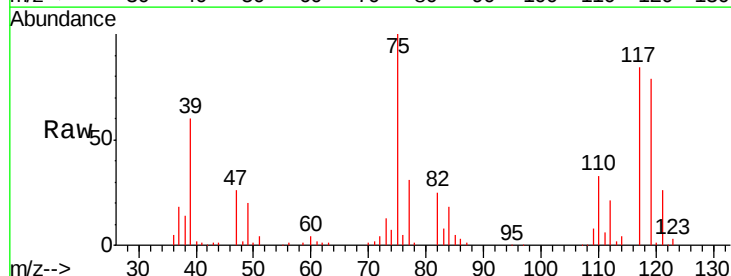
RT: 5.13 min Scan# 1231

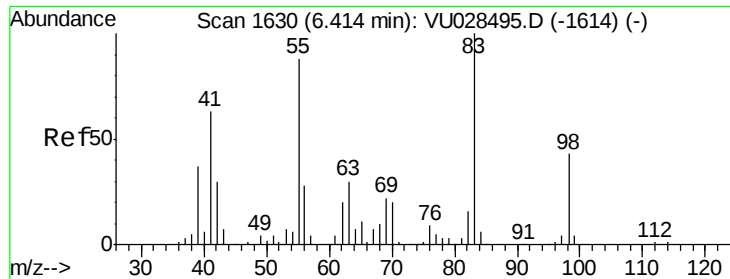
Delta R.T. -0.01 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	117	Resp:	59242
Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.6	116.4
121	31.2	24.6	36.8





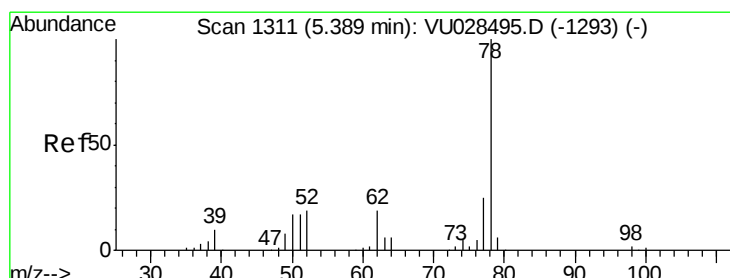
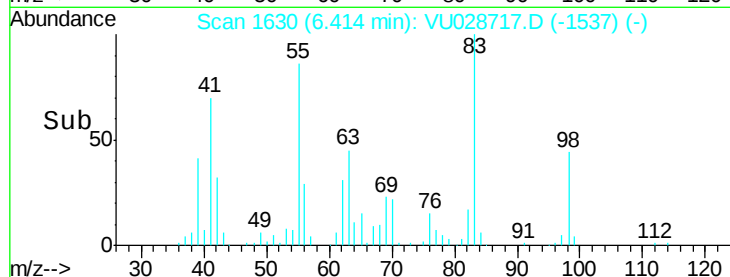
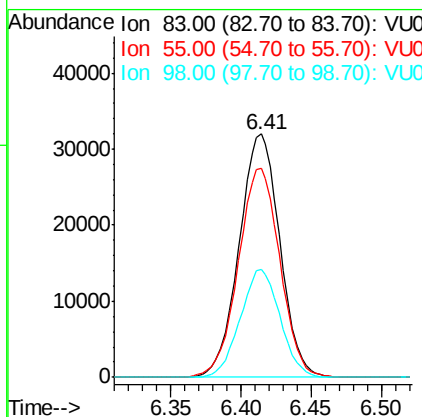
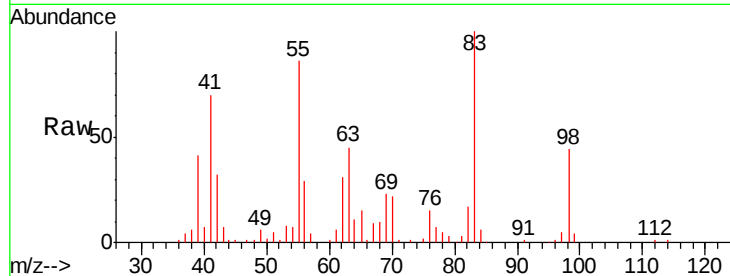
#39
Methylcyclohexane
Concen: 36.400 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.6	70.2	105.2
98	44.3	34.2	51.4

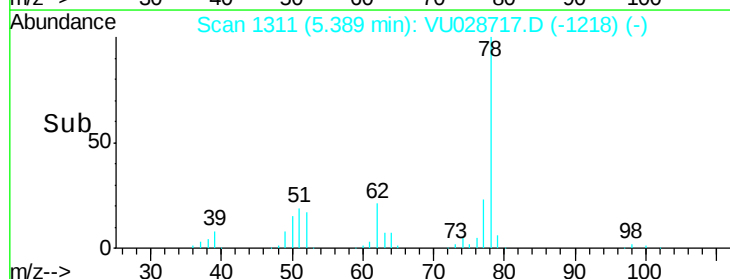
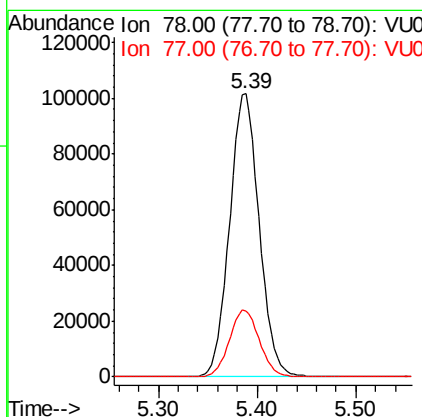
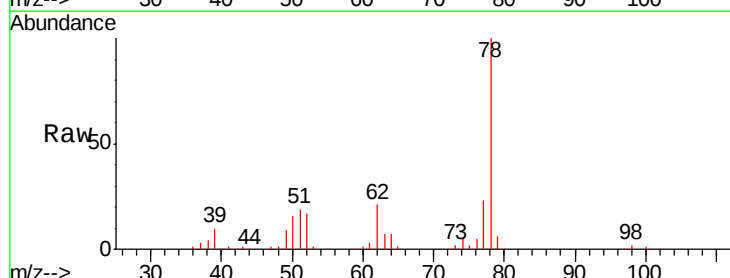
Manual Integrations
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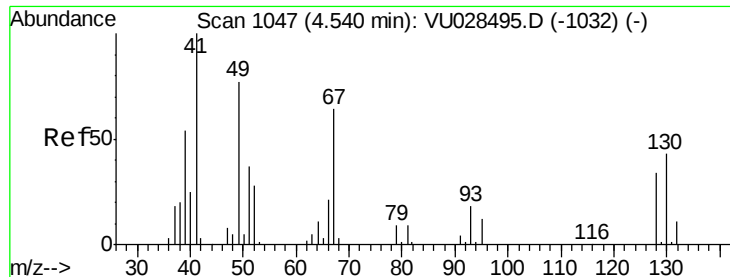
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#40
Benzene
Concen: 49.787 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.9	29.9





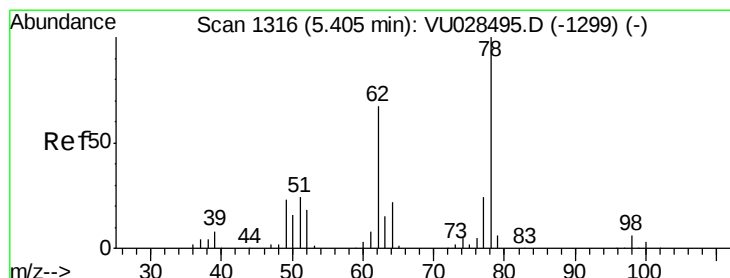
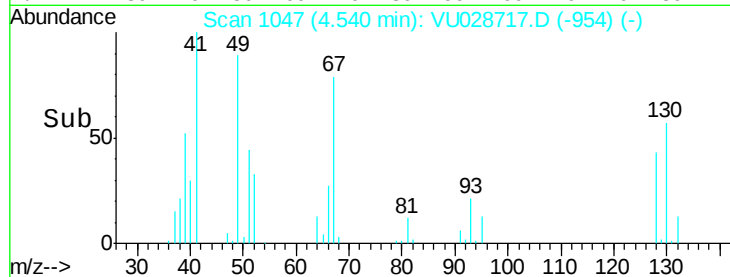
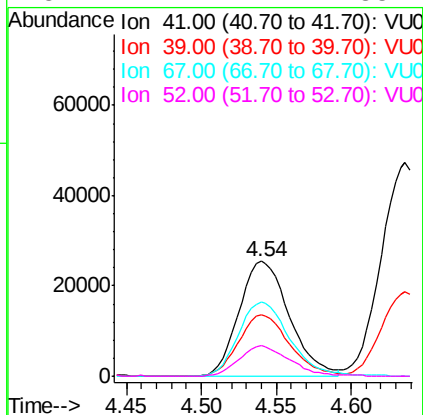
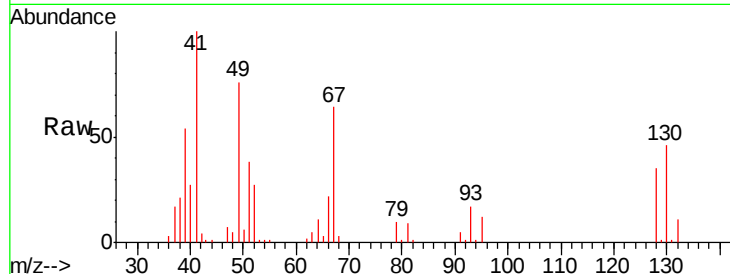
#41
Methacrylonitrile
Concen: 58.032 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.3	64.9
67	66.2	53.6	80.4
52	27.2	22.1	33.1

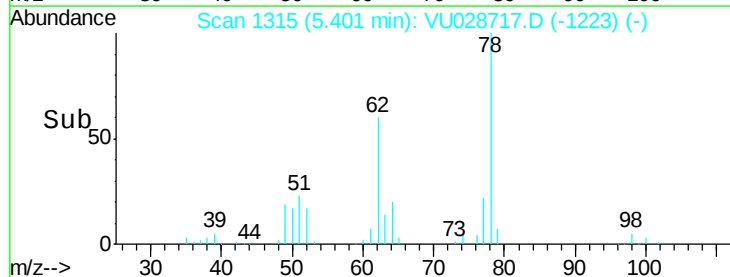
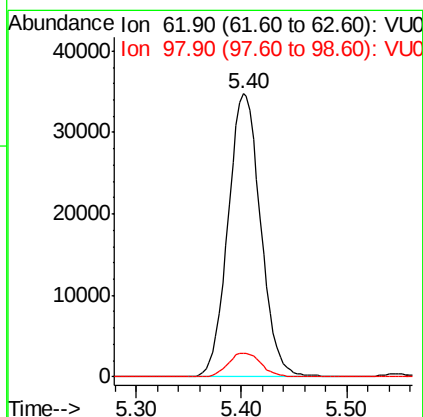
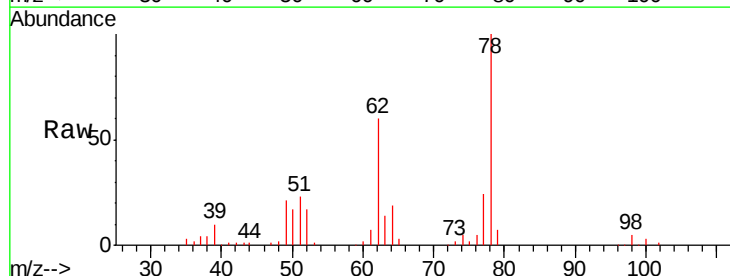
Manual Integrations
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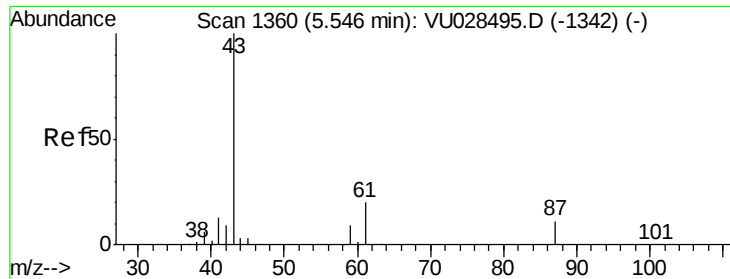
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#42
1,2-Dichloroethane
Concen: 49.762 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





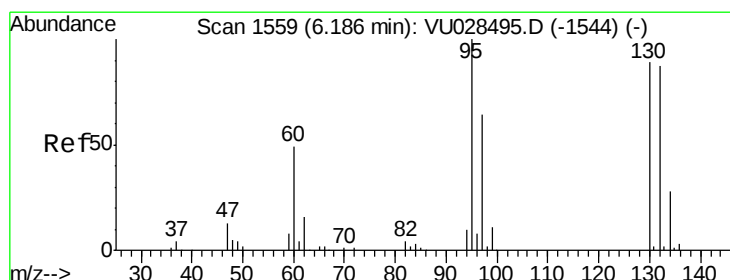
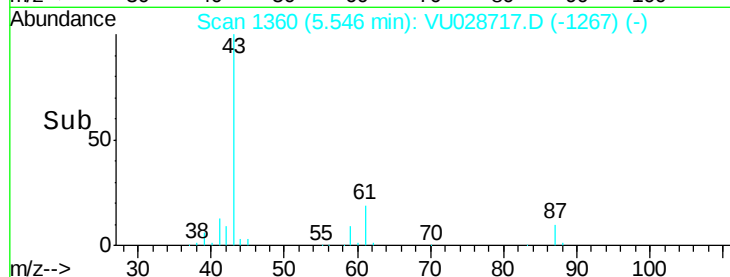
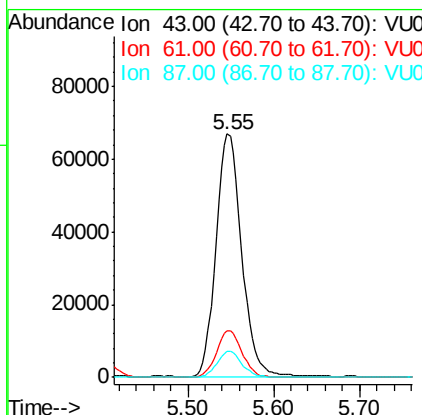
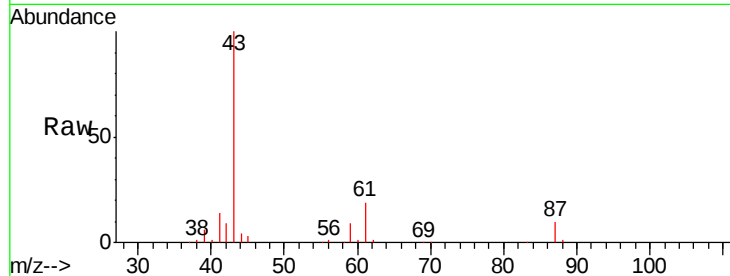
#43
Isopropyl Acetate
Concen: 46.742 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.5	23.3
87	10.6	8.7	13.1

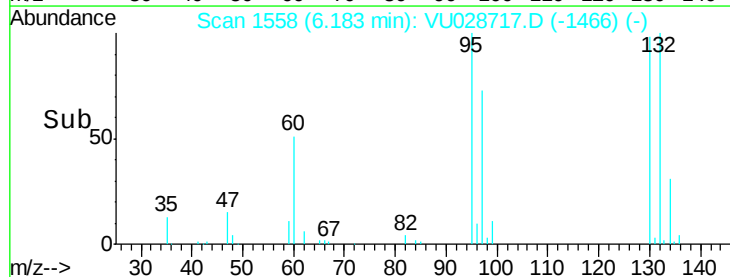
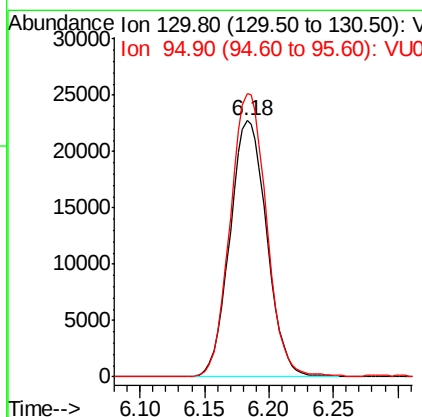
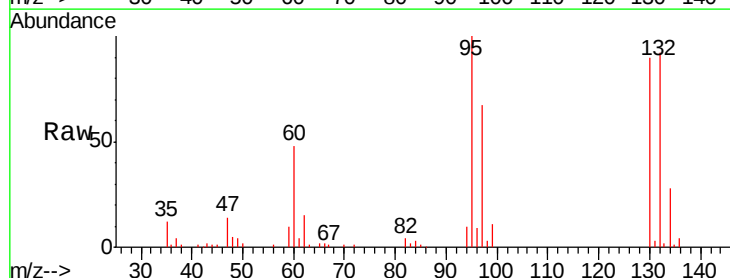
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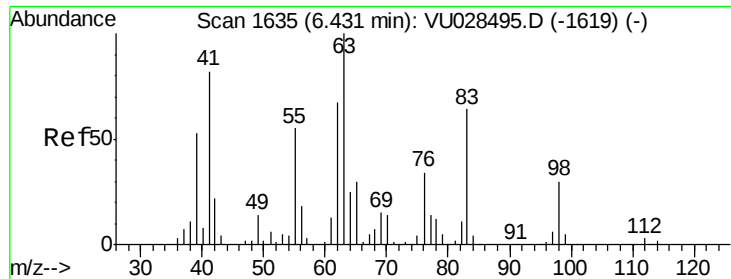
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#44
Trichloroethene
Concen: 47.441 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	224.0





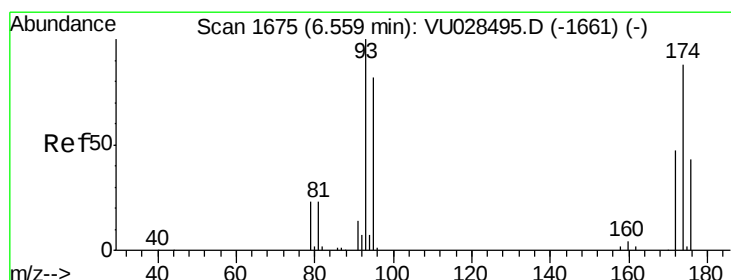
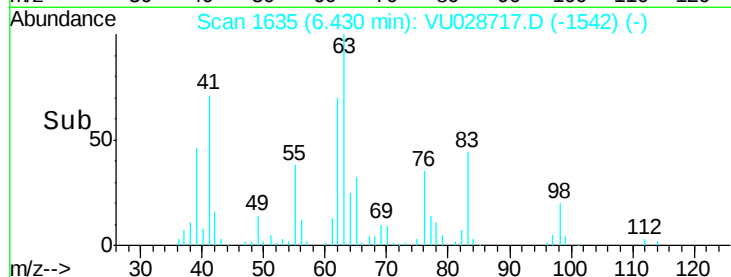
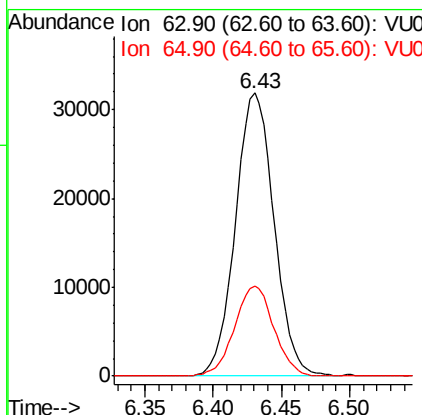
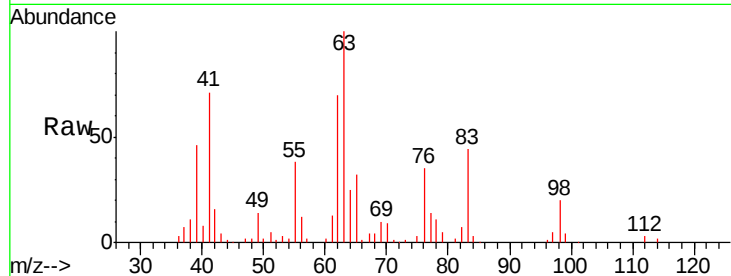
#45
1,2-Dichloropropane
Concen: 52.205 ug/l
RT: 6.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion: 63 Resp: 62734
Ion Ratio Lower Upper
63 100
65 31.7 24.2 36.4

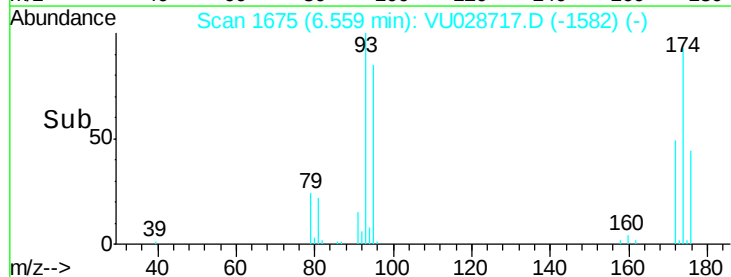
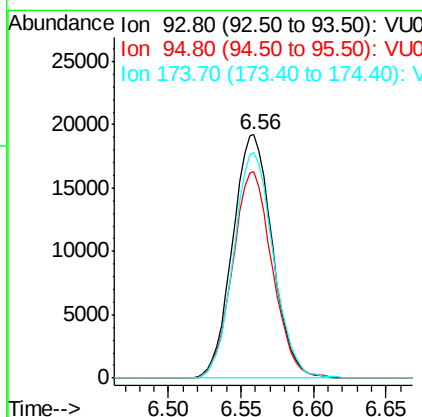
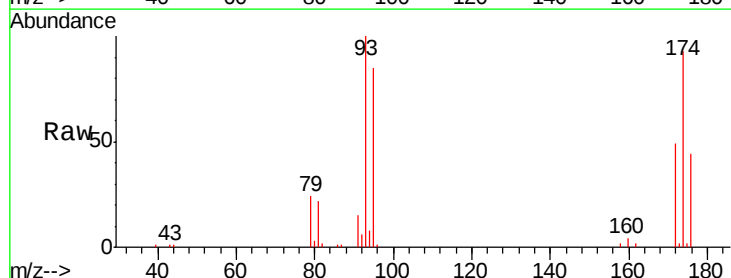
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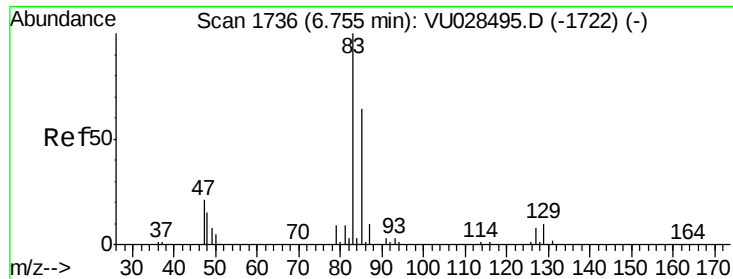
MMDadoda
12/18/2018 11:31:03 AM



#46
Dibromomethane
Concen: 51.272 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 93 Resp: 36557
Ion Ratio Lower Upper
93 100
95 84.4 65.4 98.2
174 92.8 72.2 108.4





#47

Bromodichloromethane

Concen: 52.139 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028717.D

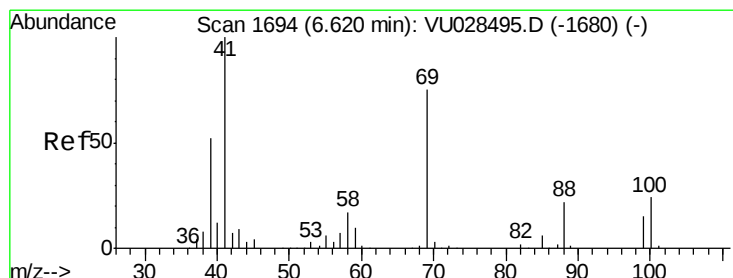
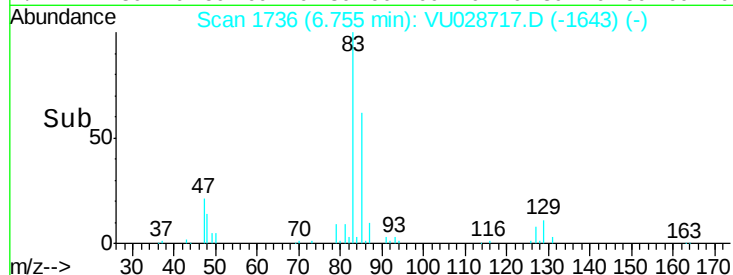
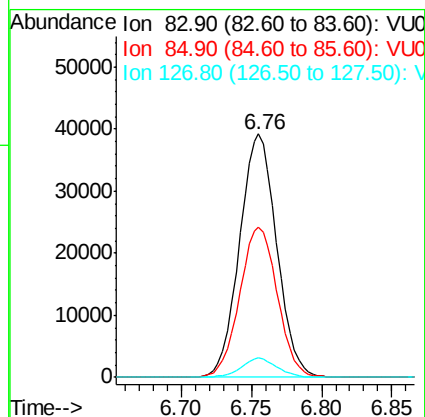
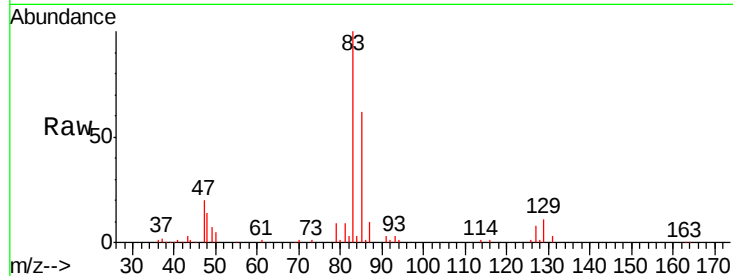
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion:	83	Resp:	72341
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.5	77.3
127	7.8	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.075 ug/l

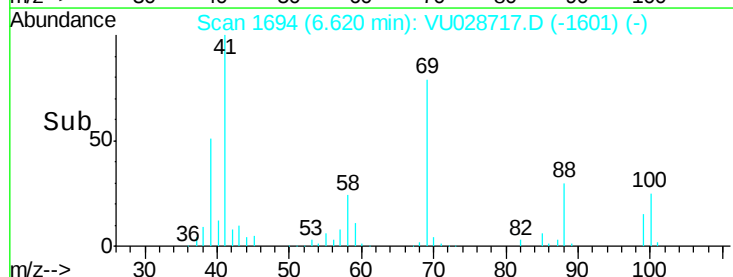
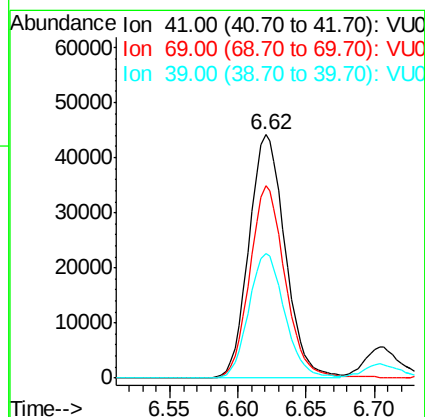
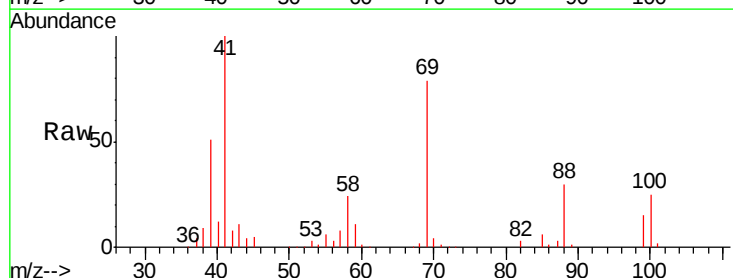
RT: 6.62 min Scan# 1694

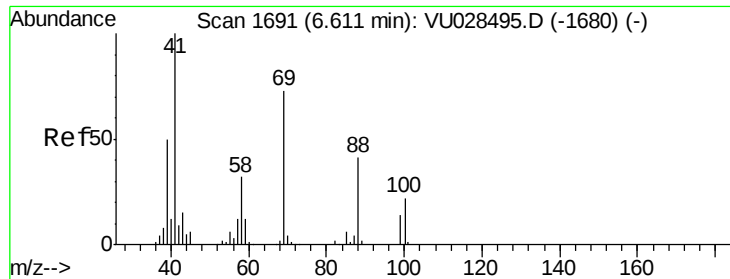
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	41	Resp:	81254
Ion	Ratio	Lower	Upper
41	100		
69	77.5	60.4	90.6
39	50.8	41.1	61.7





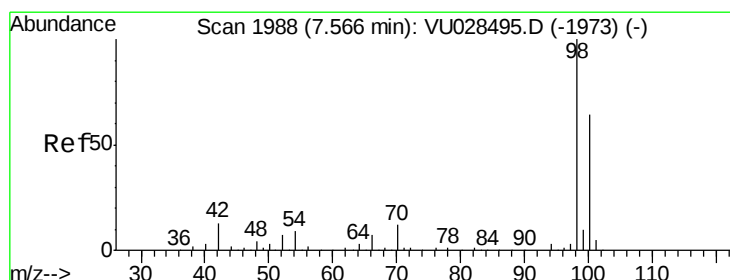
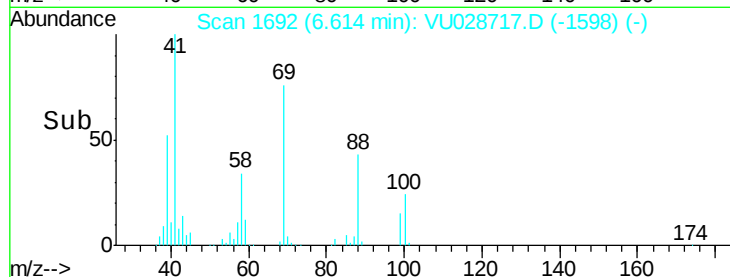
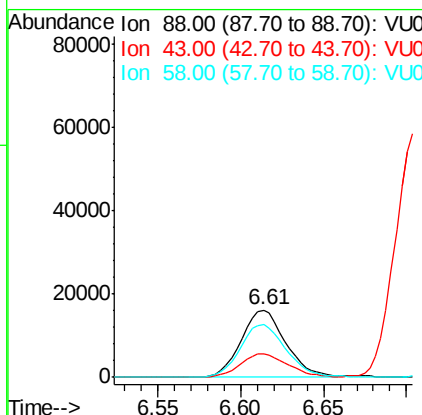
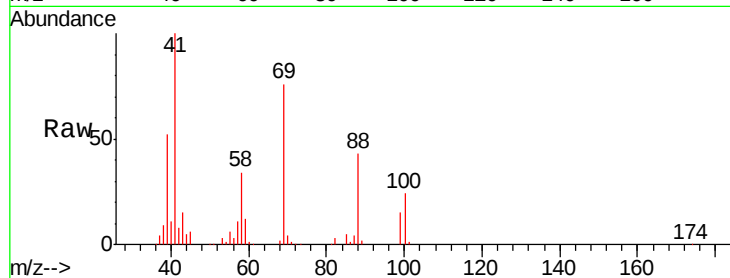
#49
1,4-Dioxane
Concen: 1291.299 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.5	30.9	46.3
58	81.8	62.4	93.6

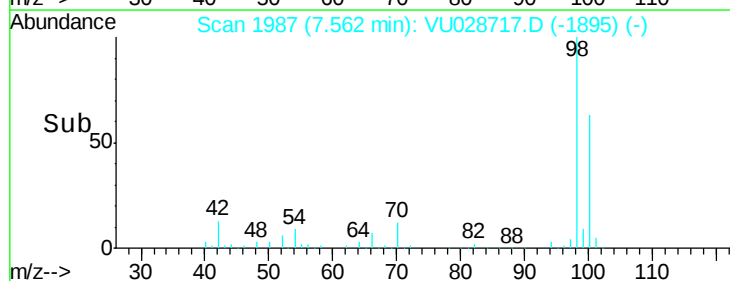
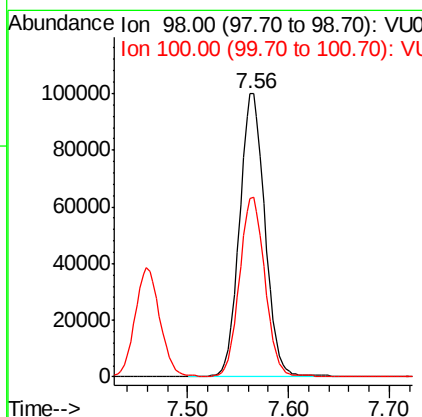
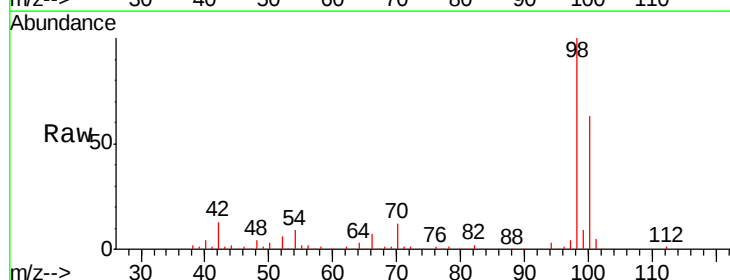
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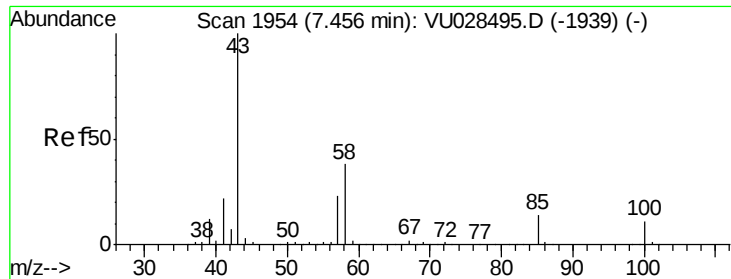
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#50
Toluene-d8
Concen: 52.849 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.0	76.6





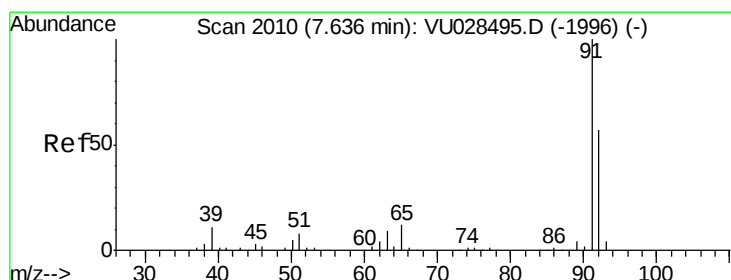
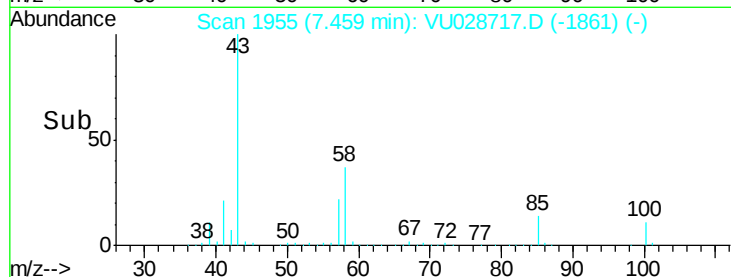
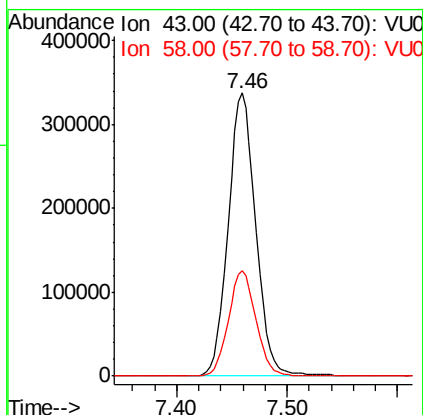
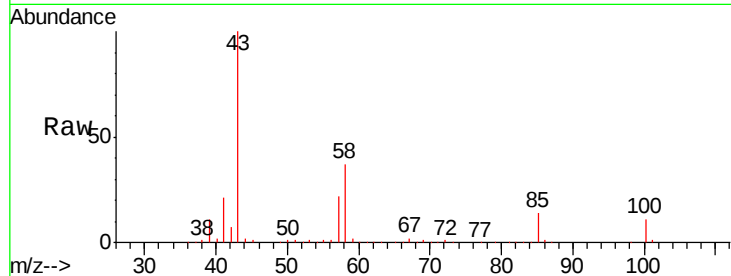
#51
4-Methyl-2-Pentanone
Concen: 311.484 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion: 43 Resp: 582824
Ion Ratio Lower Upper
43 100
58 37.3 30.2 45.2

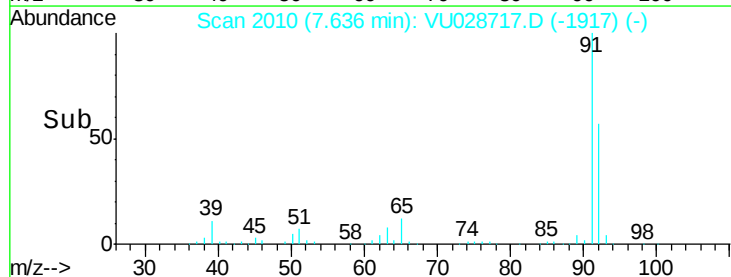
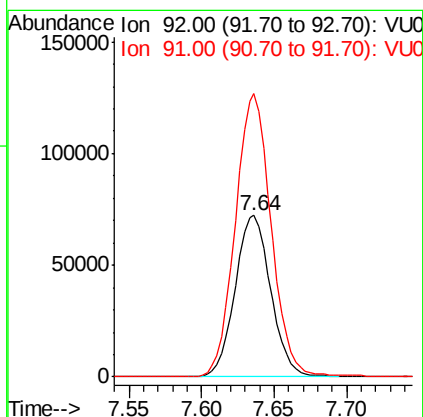
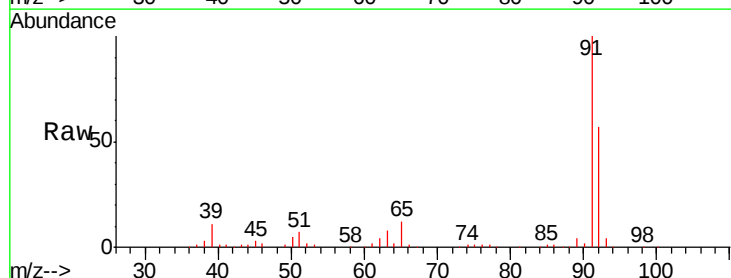
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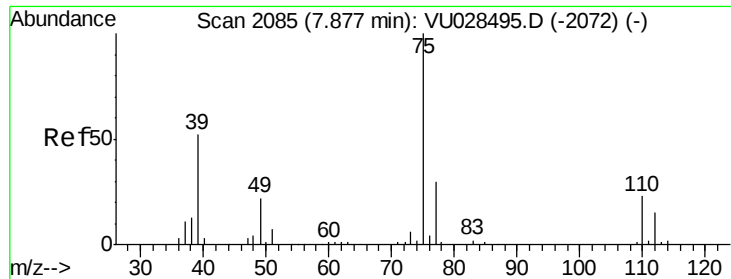
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#52
Toluene
Concen: 49.165 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 92 Resp: 123647
Ion Ratio Lower Upper
92 100
91 177.0 140.2 210.4





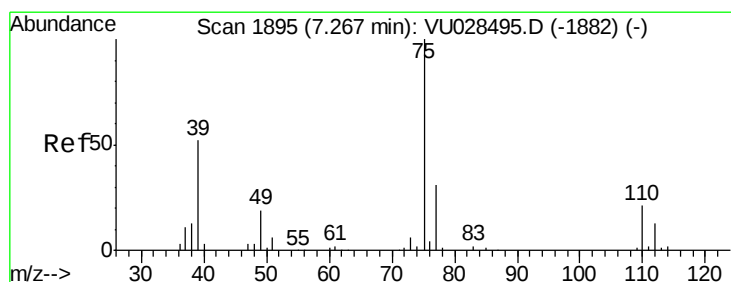
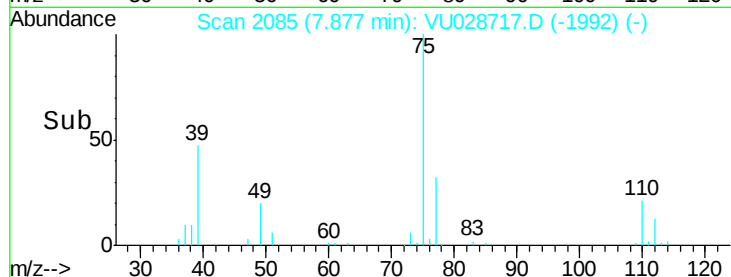
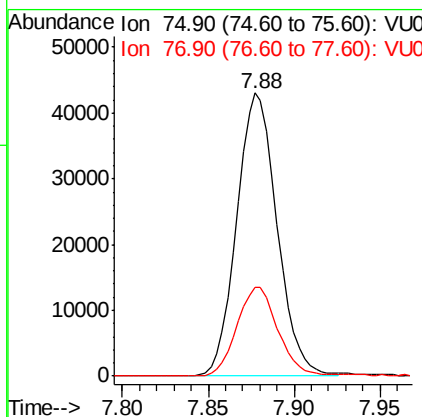
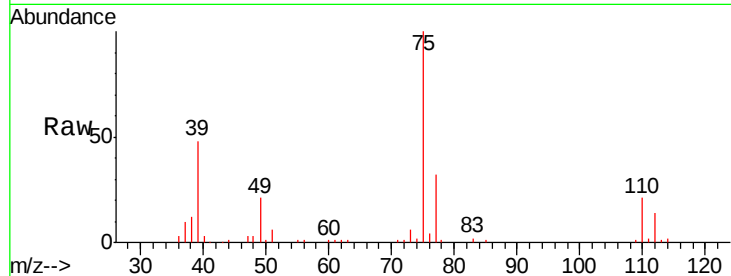
#53
t-1,3-Dichloropropene
Concen: 42.465 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion: 75 Resp: 70171
Ion Ratio Lower Upper
75 100
77 31.5 24.2 36.4

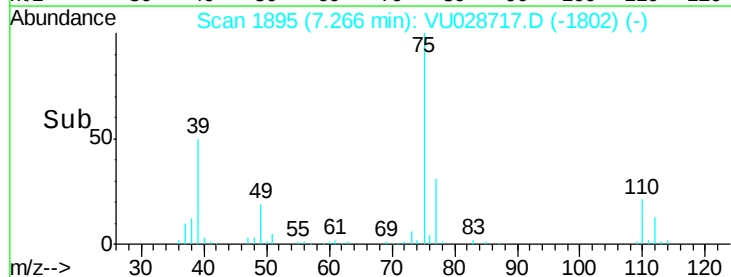
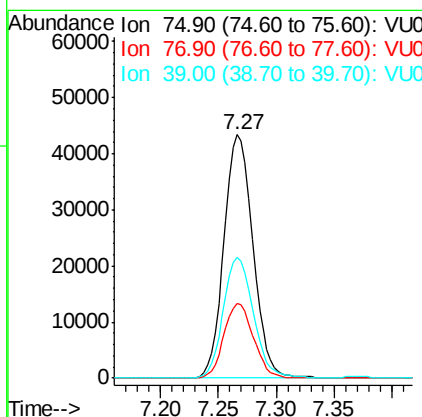
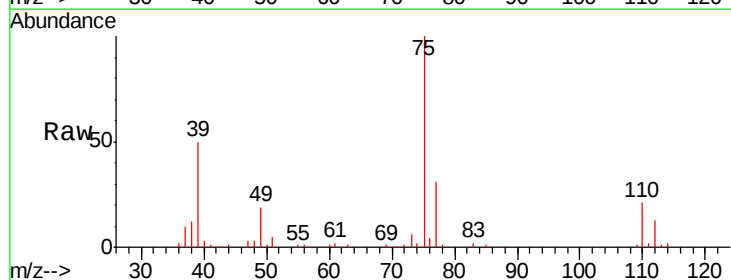
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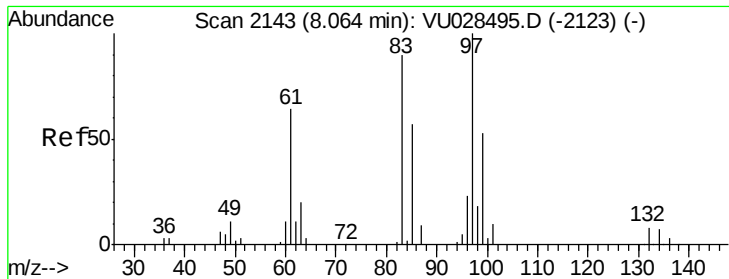
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#54
cis-1,3-Dichloropropene
Concen: 41.841 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion: 75 Resp: 75011
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 49.6 41.3 61.9





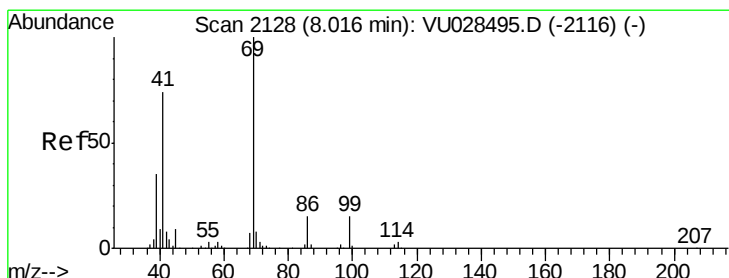
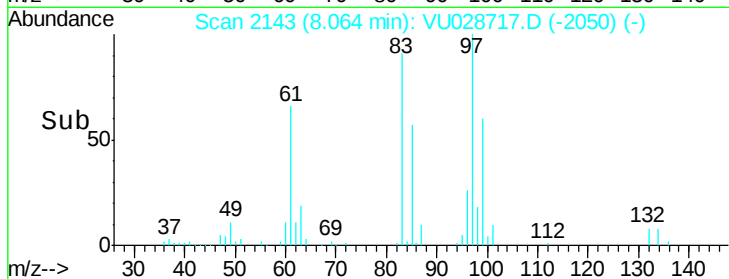
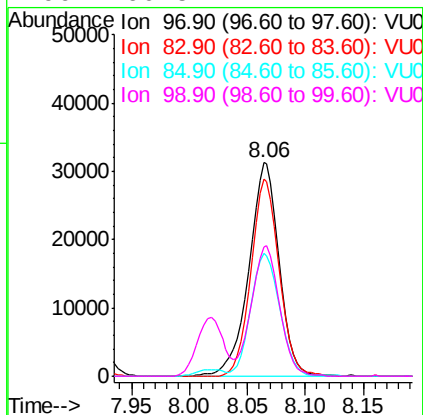
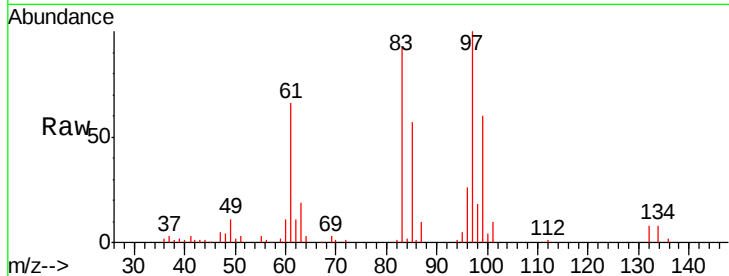
#55
 1,1,2-Trichloroethane
 Concen: 57.262 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion:	97	Resp:	56926
Ion	Ratio	Lower	Upper
97	100		
83	92.5	72.4	108.6
85	56.9	46.0	69.0
99	60.5	47.4	71.2

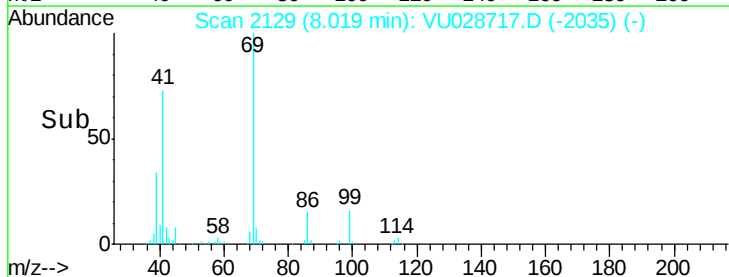
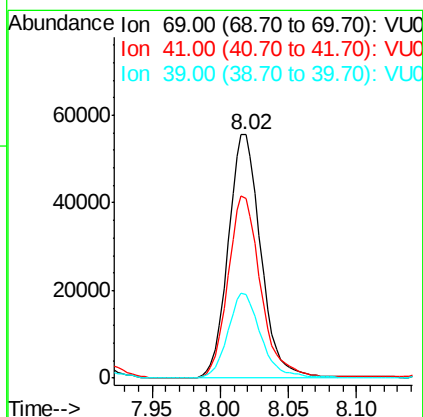
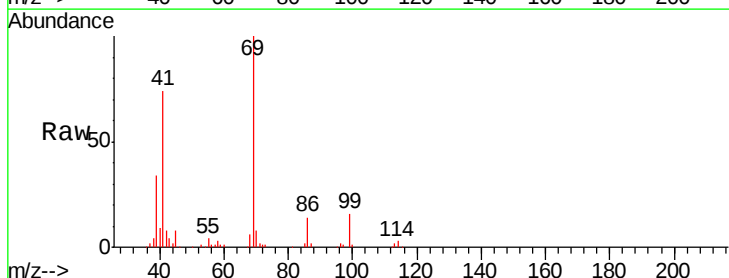
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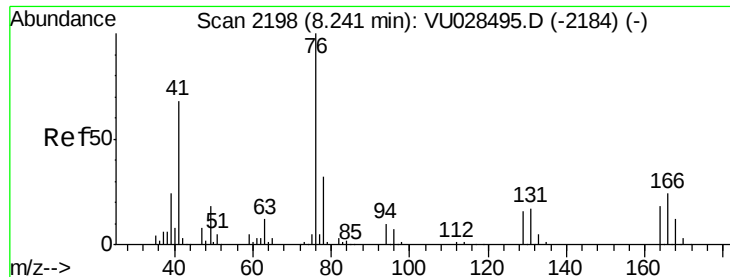
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#56
 Ethyl methacrylate
 Concen: 54.257 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:	69	Resp:	92367
Ion	Ratio	Lower	Upper
69	100		
41	75.5	59.1	88.7
39	35.8	28.4	42.6





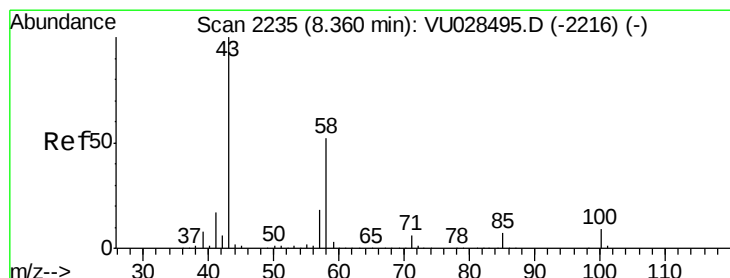
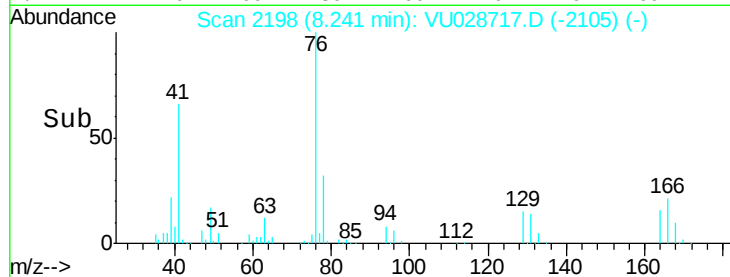
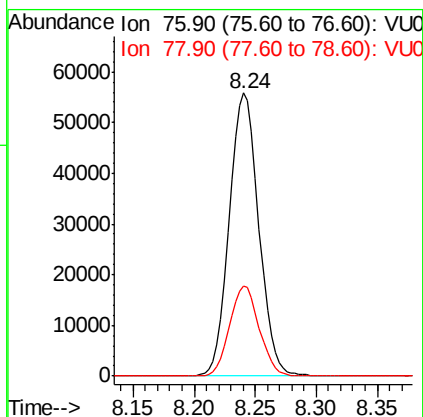
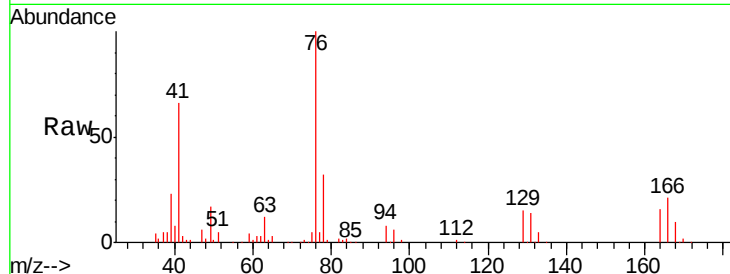
#57
 1,3-Dichloropropane
 Concen: 51.131 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion: 76 Resp: 94358
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

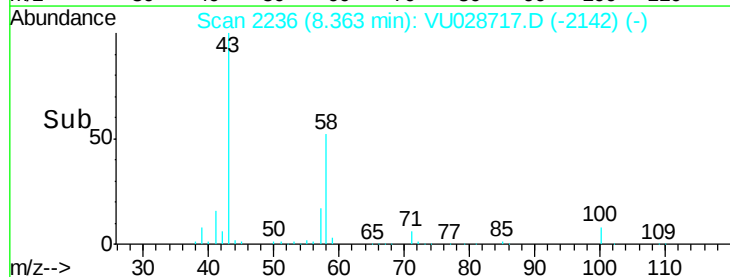
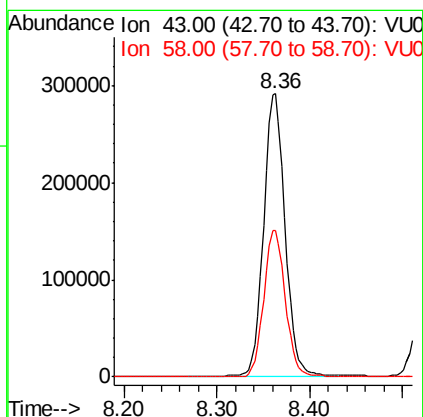
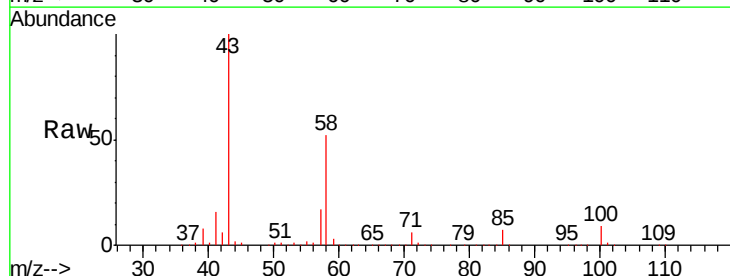
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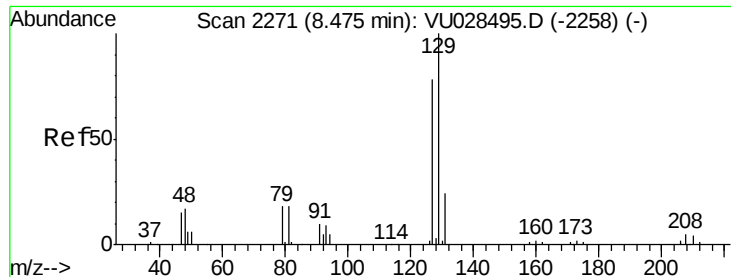
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#59
 2-Hexanone
 Concen: 317.378 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 43 Resp: 470691
 Ion Ratio Lower Upper
 43 100
 58 51.9 25.9 77.6





#60

Dibromochloromethane

Concen: 54.243 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion:129 Resp: 52796

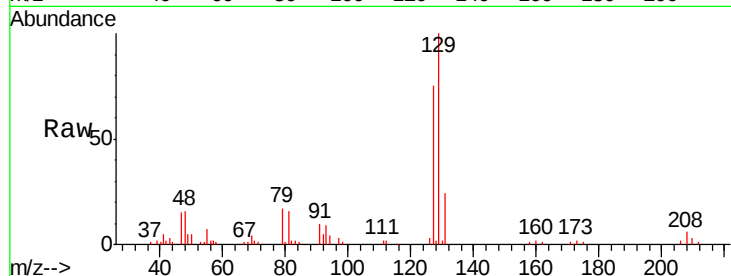
Ion Ratio Lower Upper

129 100

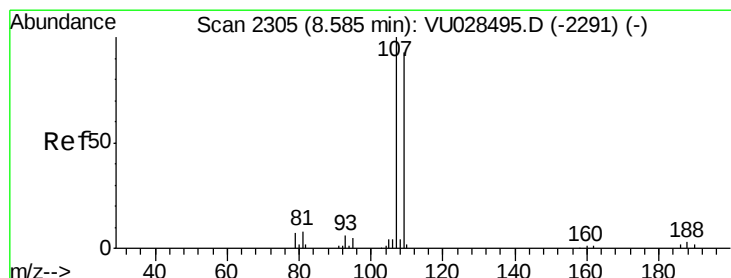
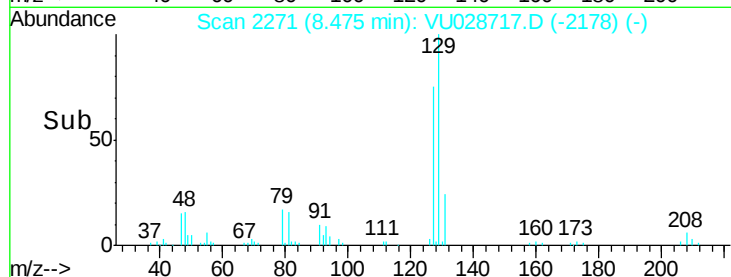
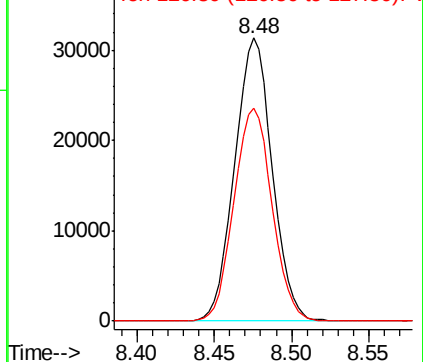
127 76.2 39.1 117.3

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Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.599 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028717.D

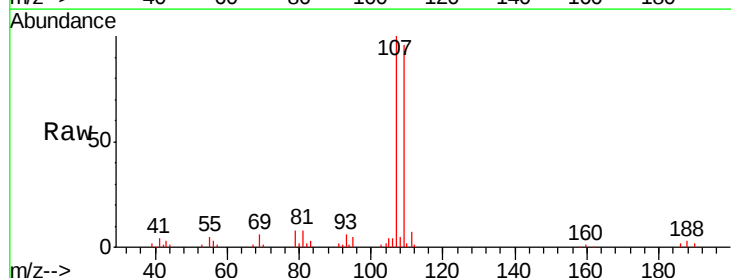
Acq: 17 Dec 2018 13:54

Tgt Ion:107 Resp: 54835

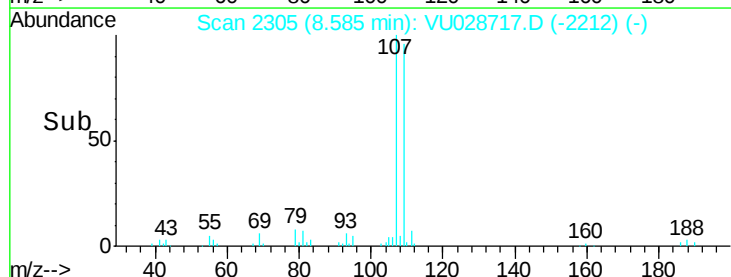
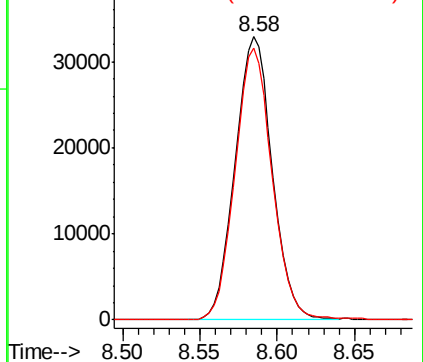
Ion Ratio Lower Upper

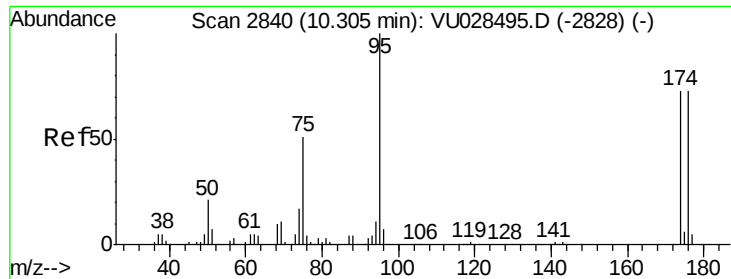
107 100

109 96.0 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 53.885 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

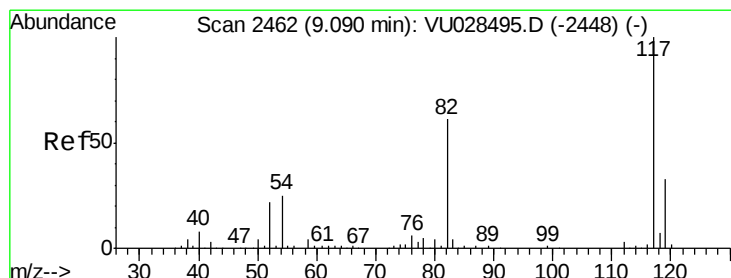
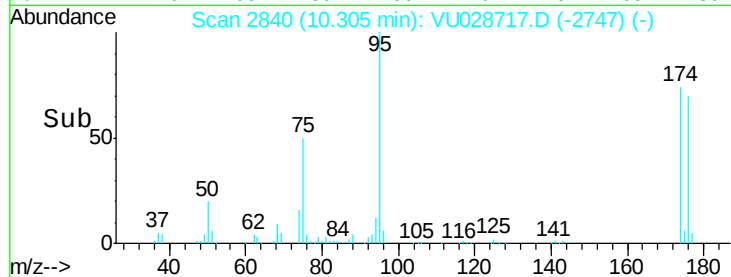
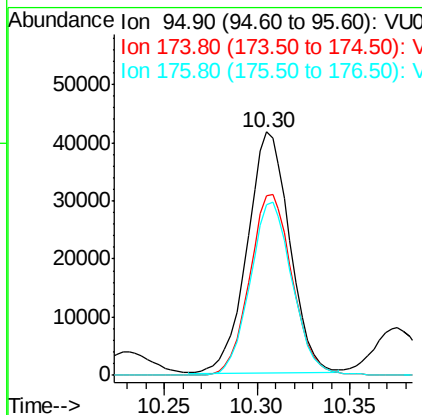
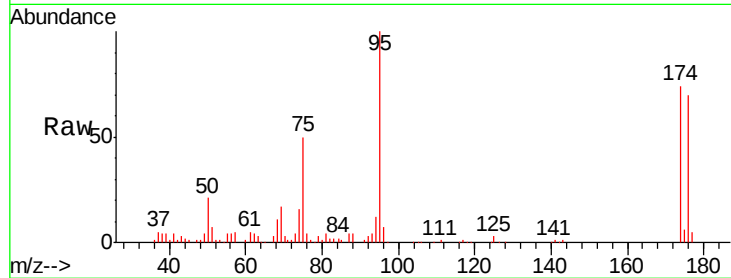
ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion:	95	Resp:	66479
Ion Ratio	Lower	Upper	
95	100		
174	75.1	0.0	150.4
176	71.3	0.0	145.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

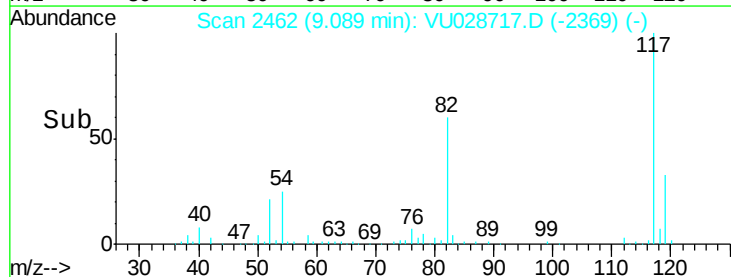
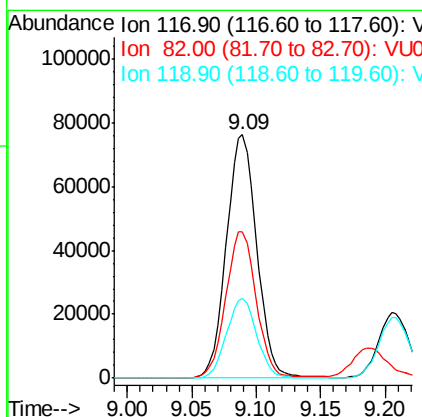
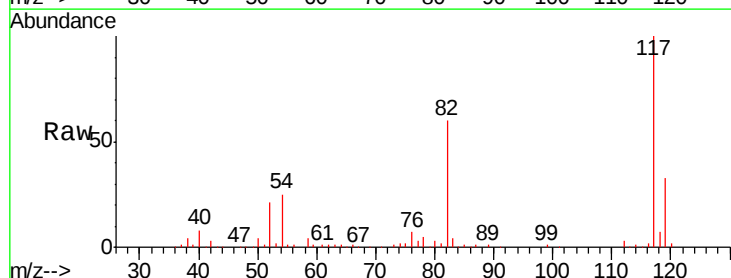
RT: 9.09 min Scan# 2462

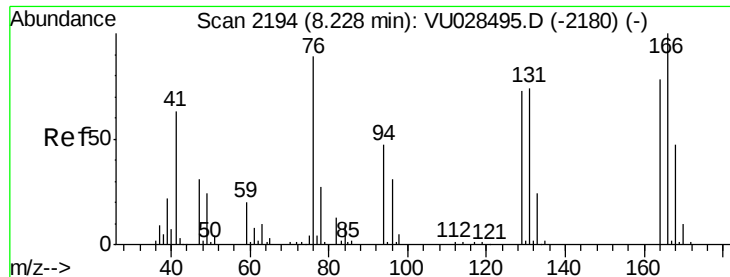
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	117	Resp:	124991
Ion Ratio	Lower	Upper	
117	100		
82	60.0	48.9	73.3
119	32.7	26.2	39.4





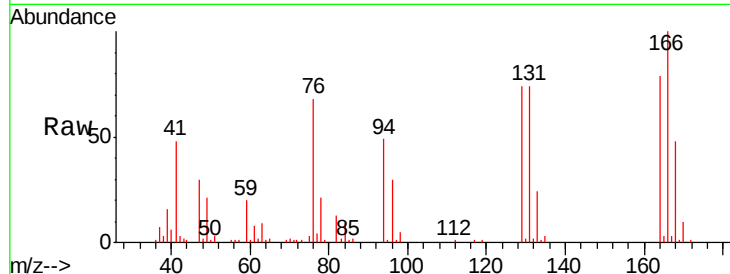
#64
Tetrachloroethene
Concen: 43.350 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

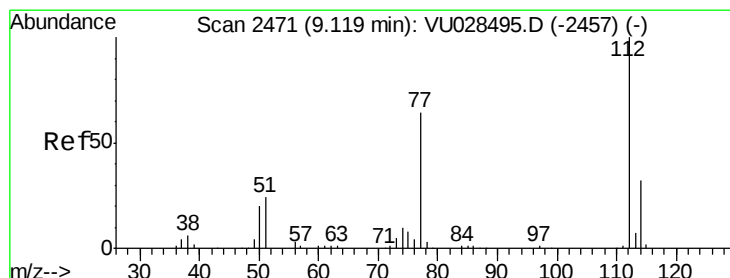
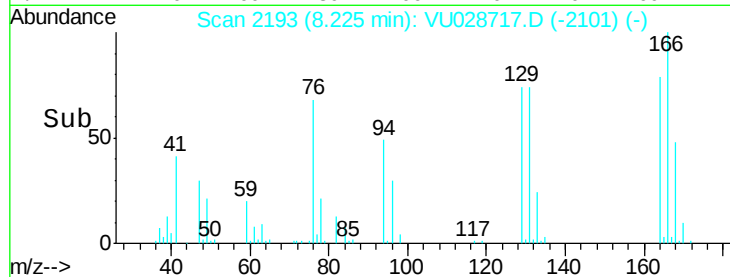
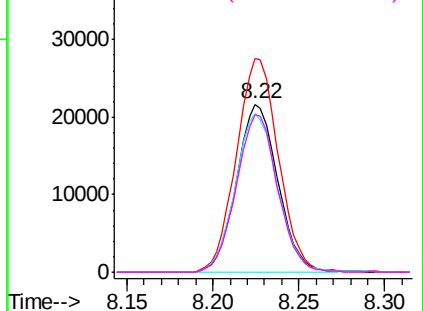
Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.9	152.9
129	94.5	74.9	112.3
131	94.2	75.4	113.0

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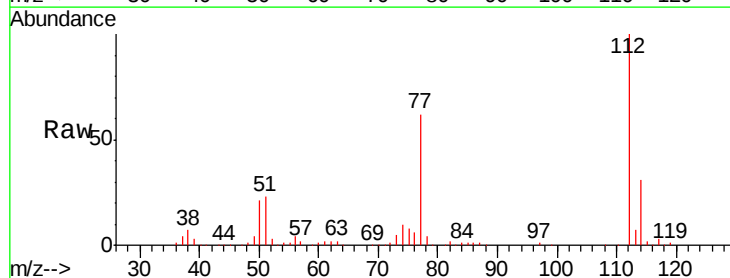


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

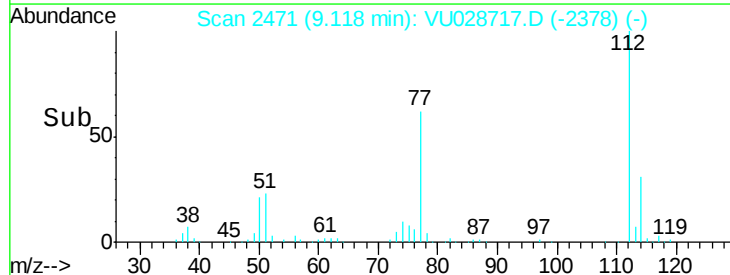
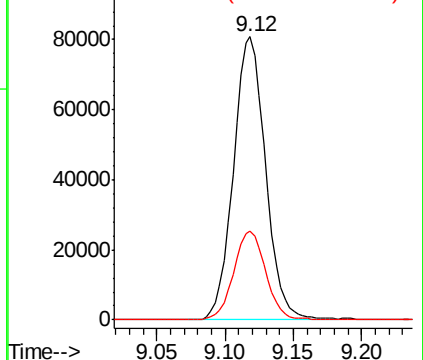


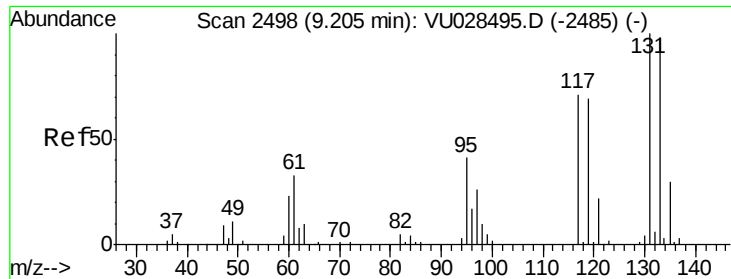
#65
Chlorobenzene
Concen: 49.562 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.3	37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





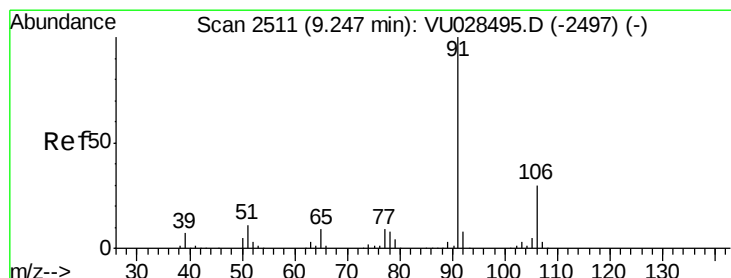
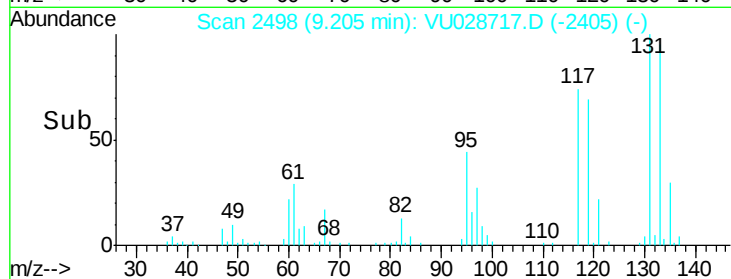
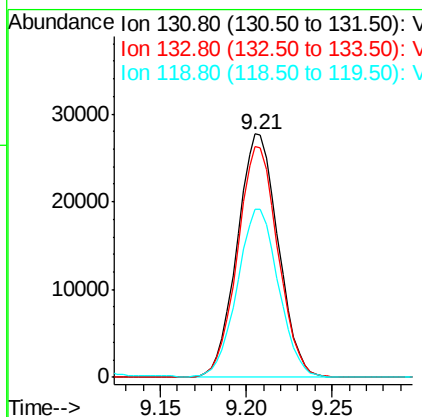
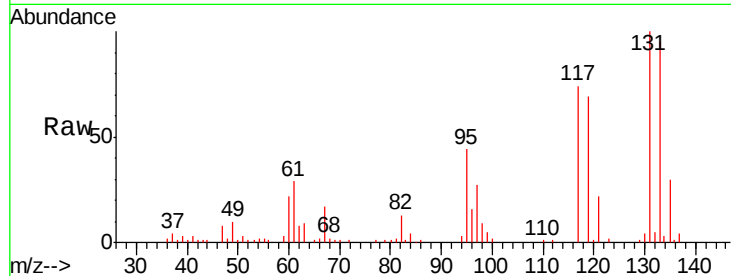
#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.892 ug/l
 RT: 9.21 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion: 131 Resp: 45836
 Ion Ratio Lower Upper
 131 100
 133 93.6 48.0 144.0
 119 69.7 34.6 103.9

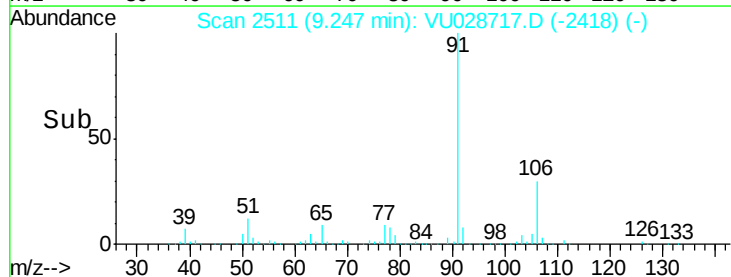
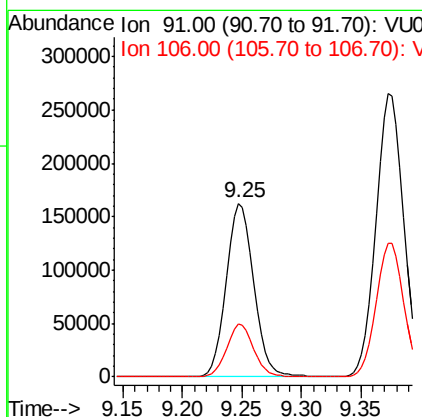
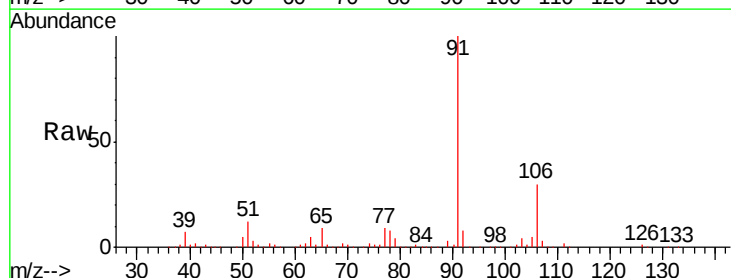
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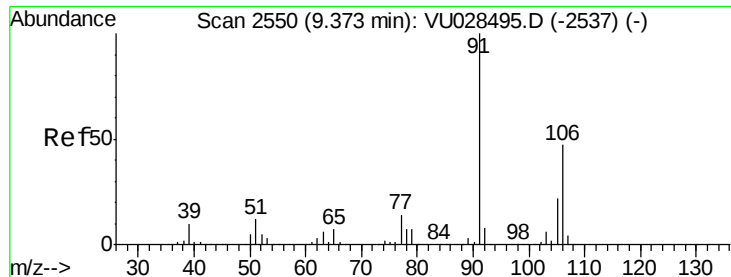
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#67
 Ethyl Benzene
 Concen: 53.452 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 91 Resp: 261716
 Ion Ratio Lower Upper
 91 100
 106 30.4 24.1 36.1





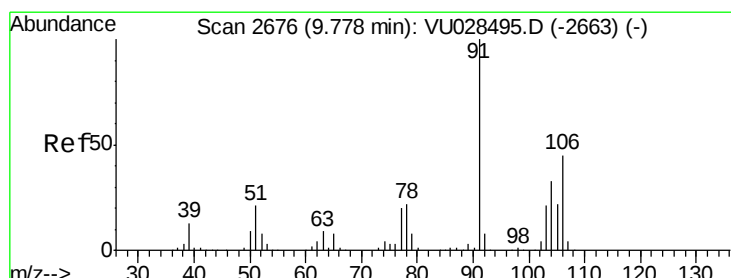
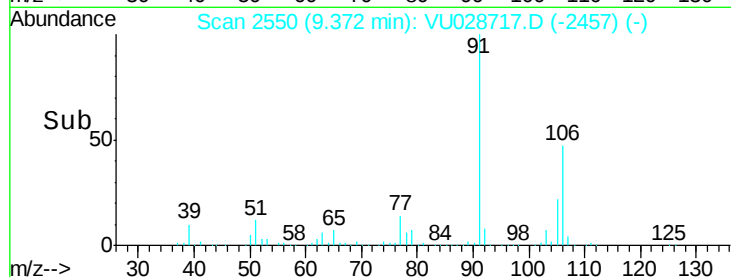
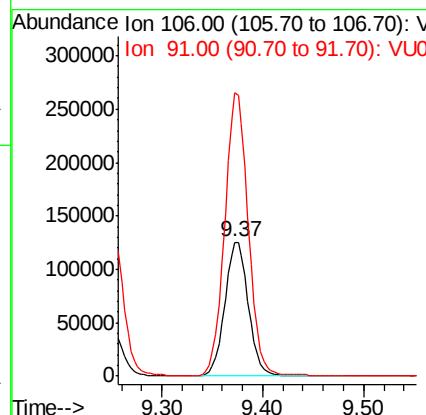
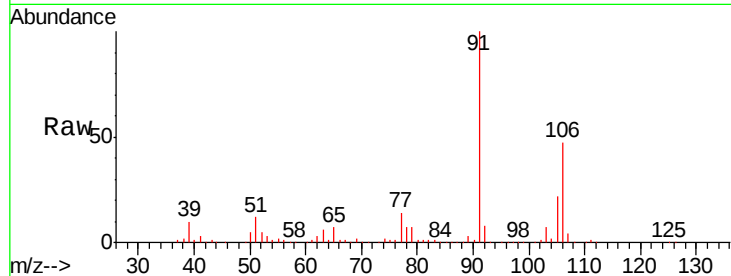
#68
m/p-Xylenes
Concen: 115.045 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion:106 Resp: 204965
Ion Ratio Lower Upper
106 100
91 211.1 167.4 251.0

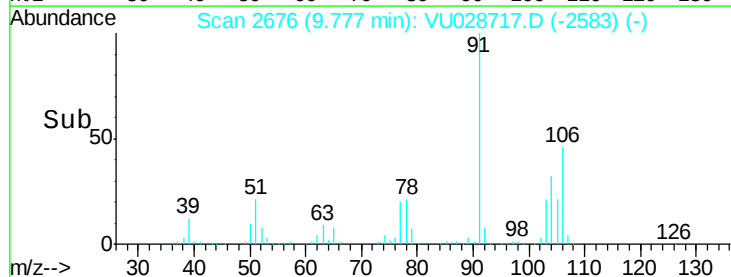
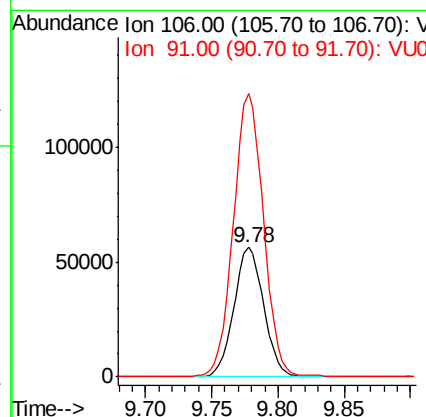
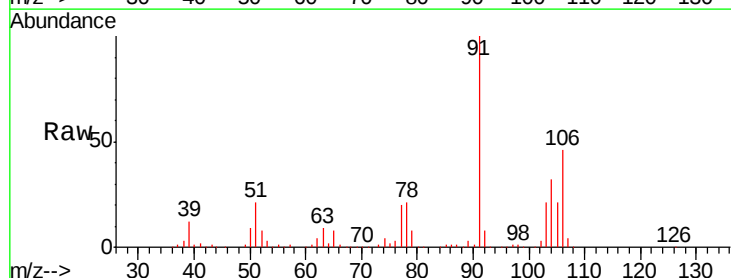
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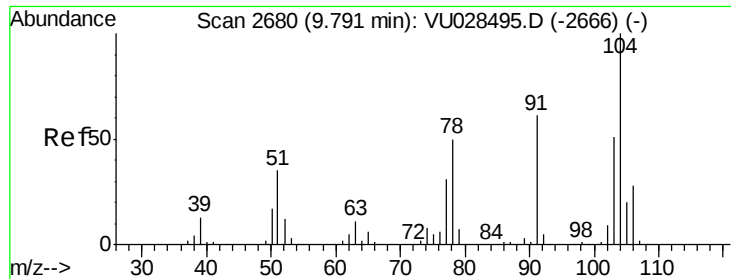
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#69
o-Xylene
Concen: 50.905 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:106 Resp: 88136
Ion Ratio Lower Upper
106 100
91 220.7 111.3 334.0





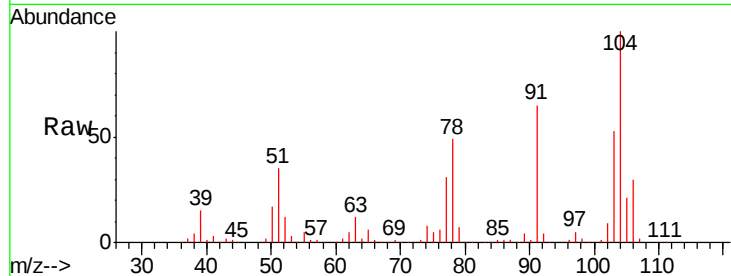
#70
Styrene
Concen: 50.004 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.0	64.6
103	56.7	44.2	66.4

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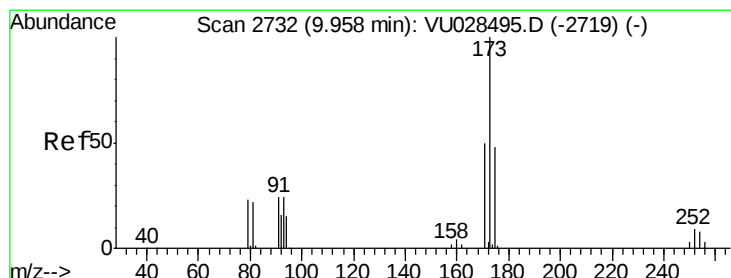
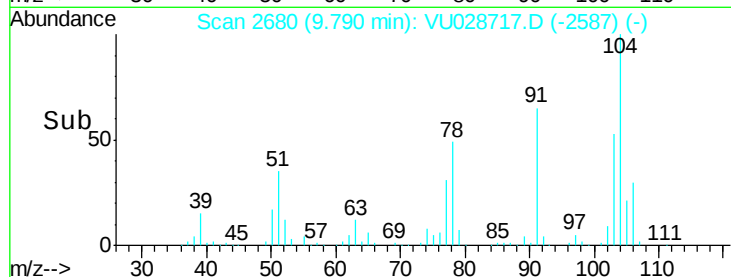
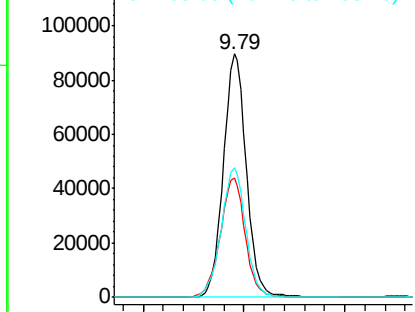


Abundance

Ion 104.00 (103.70 to 104.70): V

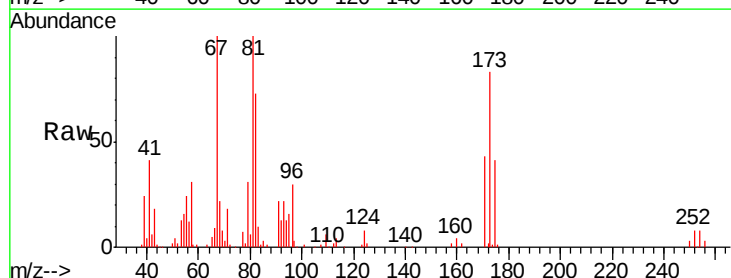
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 59.320 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.8
254	0.0	0.0	0.0

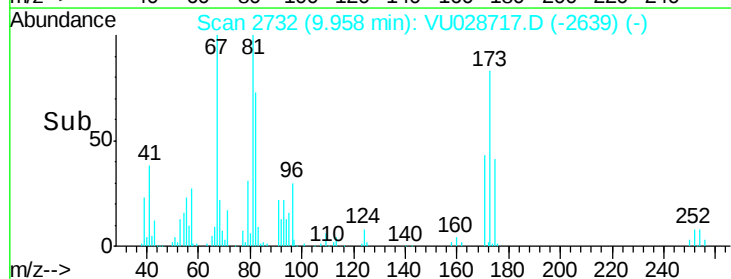
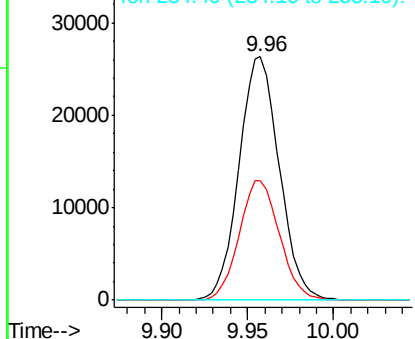


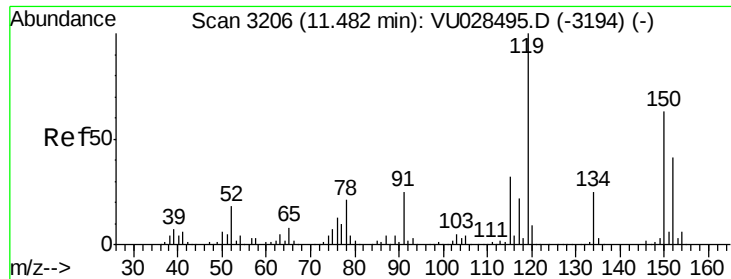
Abundance

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: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

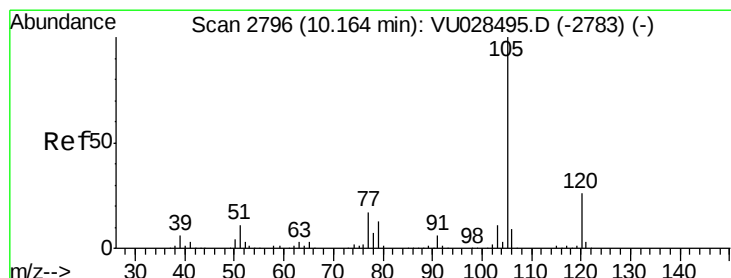
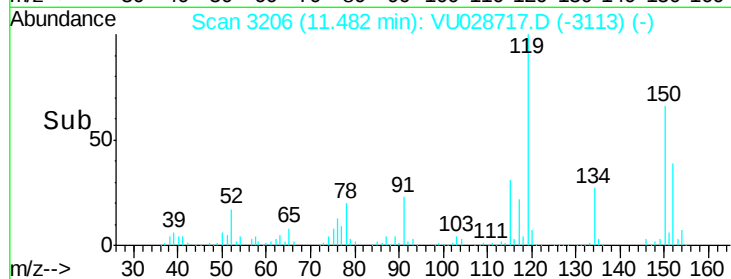
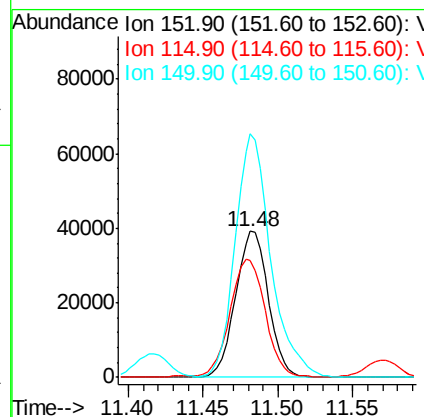
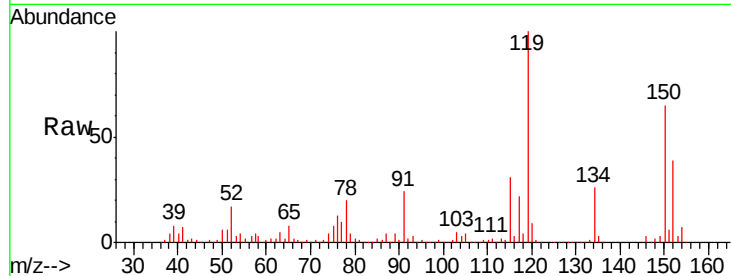
ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion:	152	Resp:	59965
Ion Ratio	Lower	Upper	
152	100		
115	85.3	42.7	128.1
150	180.4	0.0	346.0

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#73

Isopropylbenzene

Concen: 267.493 ug/l

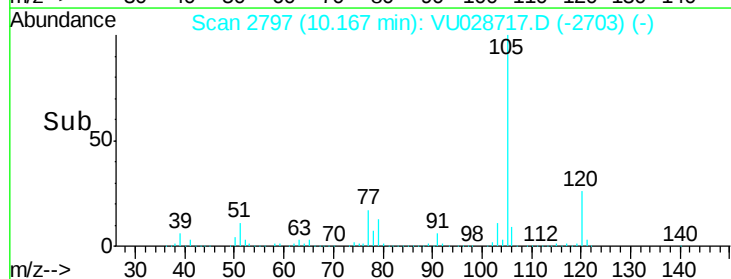
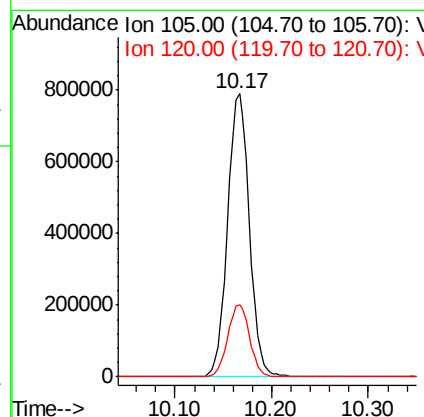
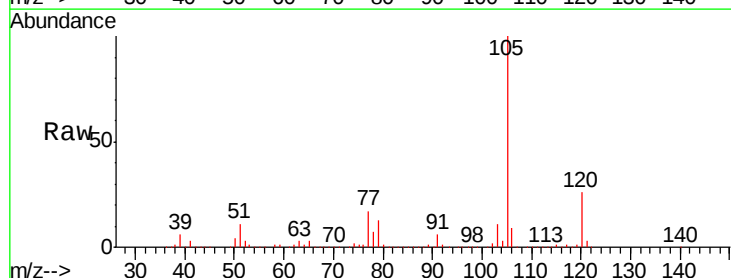
RT: 10.17 min Scan# 2797

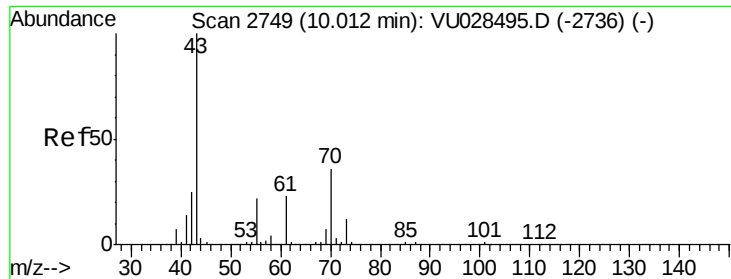
Delta R.T. 0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	105	Resp:	1230822
Ion Ratio	Lower	Upper	
105	100		
120	25.8	12.9	38.6





#74

N-ethyl acetate

Concen: 43.514 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028717.D

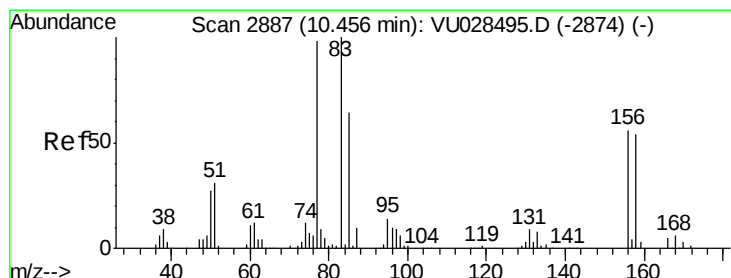
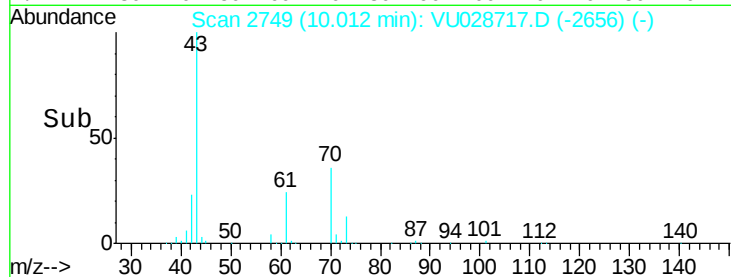
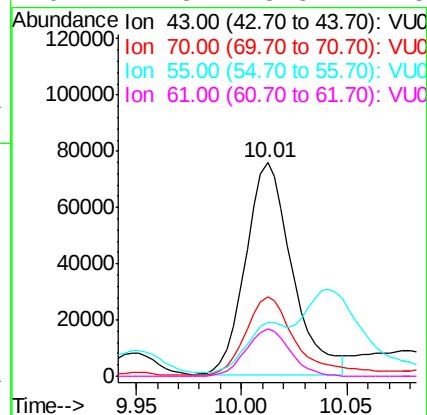
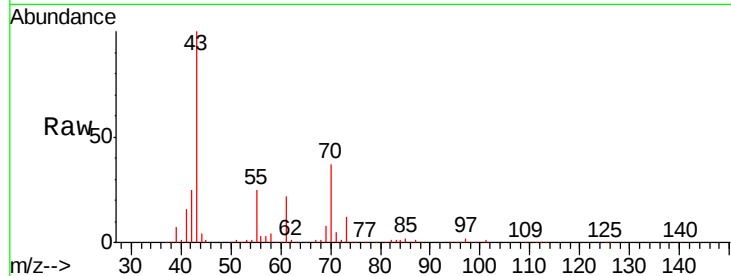
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.0	29.3	43.9
55	20.7	18.0	27.0
61	21.3	18.3	27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 62.141 ug/l

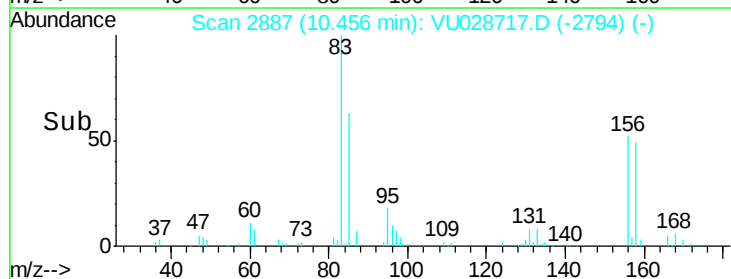
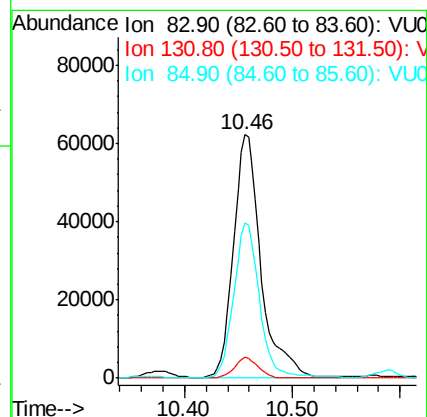
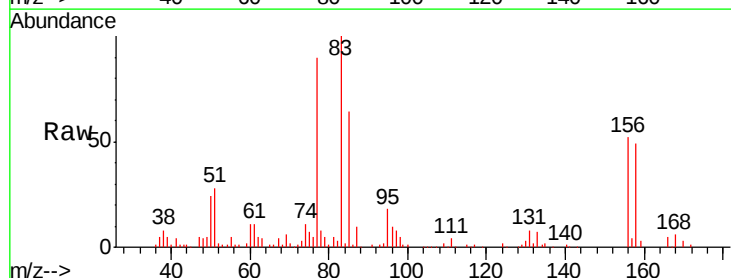
RT: 10.46 min Scan# 2887

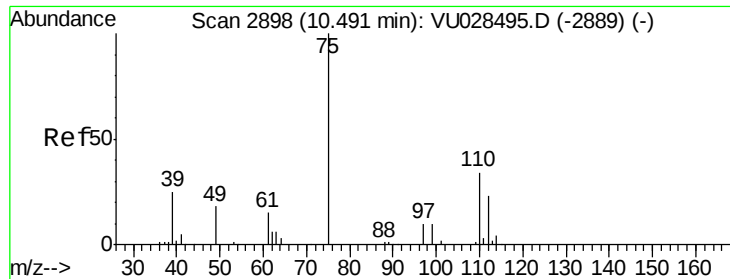
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.4	4.2	12.4
85	60.5	31.8	95.4





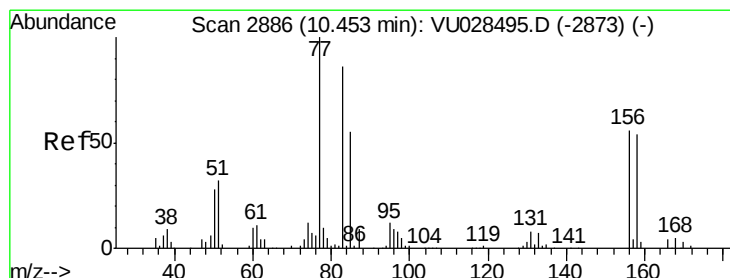
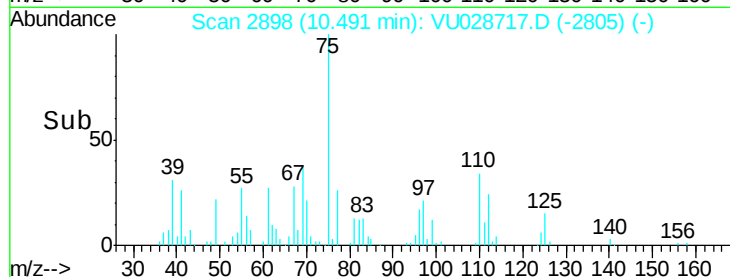
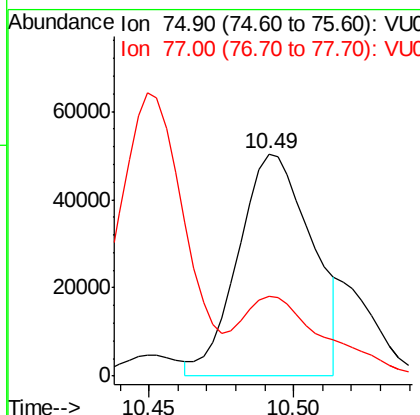
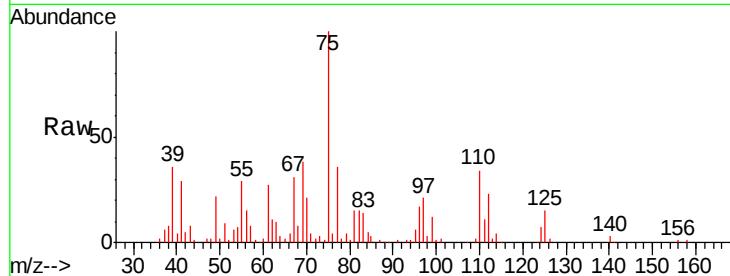
#76
 1,2,3-Trichloropropane
 Concen: 58.173 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion: 75 Resp: 89076
 Ion Ratio Lower Upper
 75 100
 77 38.1 20.8 62.4

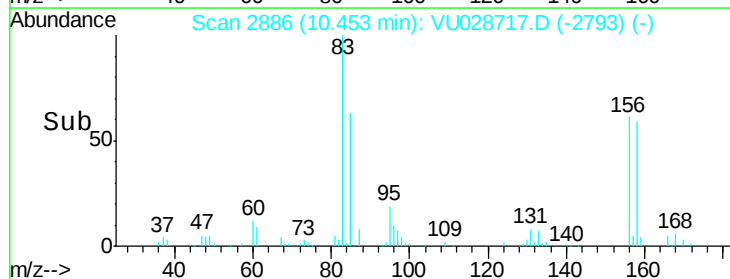
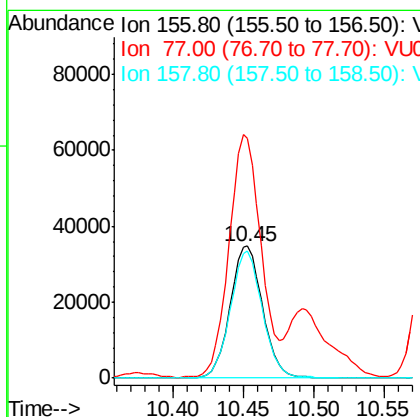
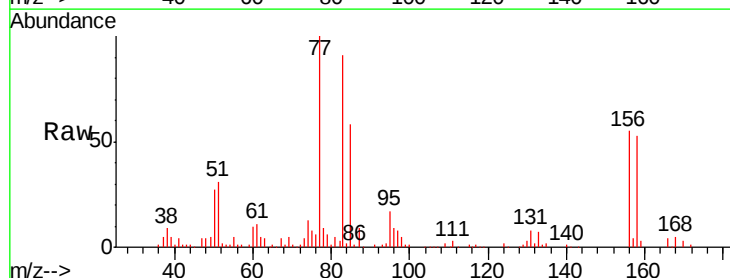
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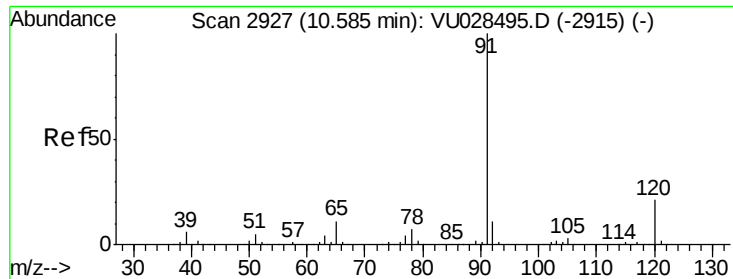
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#77
 Bromobenzene
 Concen: 51.849 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 156 Resp: 55797
 Ion Ratio Lower Upper
 156 100
 77 181.1 92.4 277.2
 158 95.4 48.4 145.3





#78

n-propylbenzene

Concen: 452.941 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 91 Resp: 2589726

Ion Ratio Lower Upper

91 100

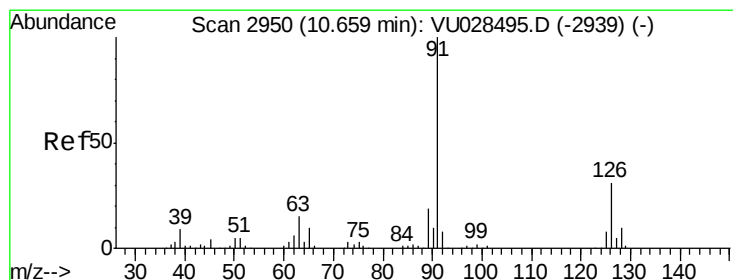
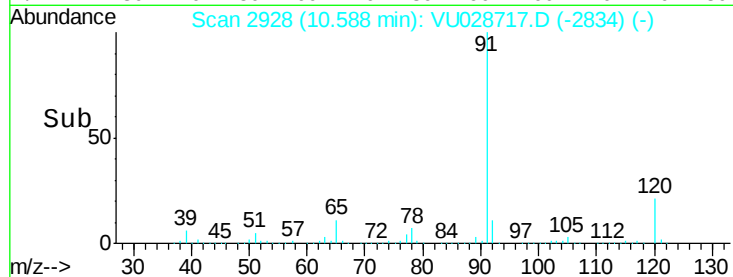
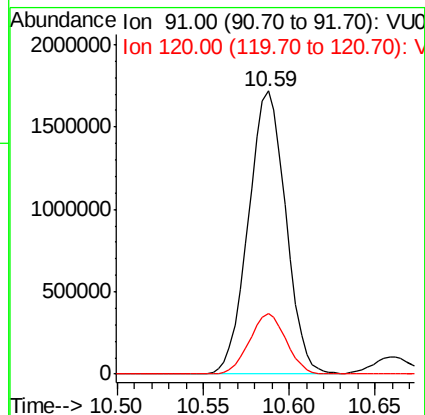
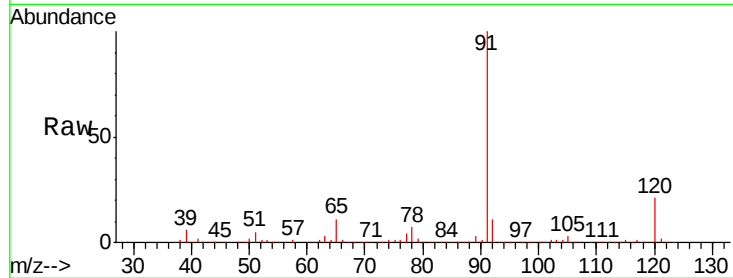
120 21.1 10.6 31.8

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#79

2-Chlorotoluene

Concen: 44.018 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028717.D

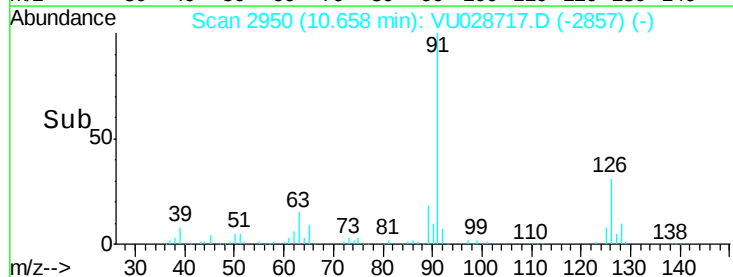
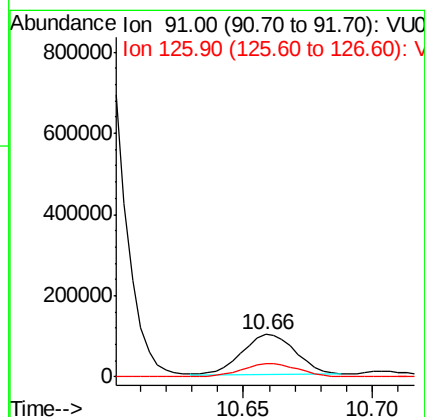
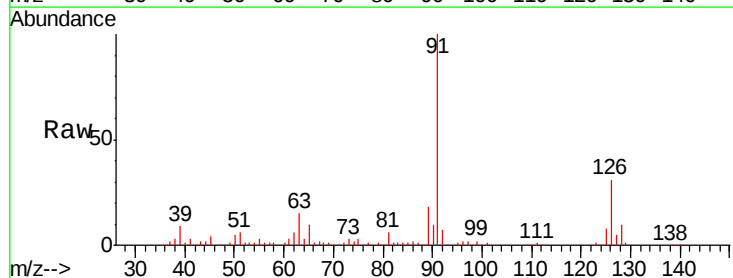
Acq: 17 Dec 2018 13:54

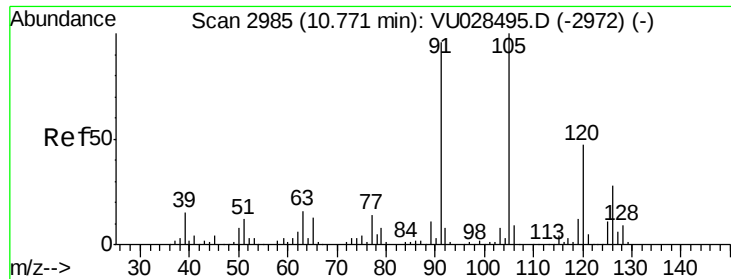
Tgt Ion: 91 Resp: 144970

Ion Ratio Lower Upper

91 100

126 36.0 15.6 46.8





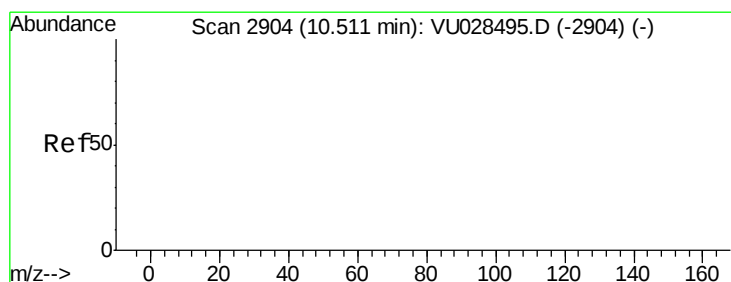
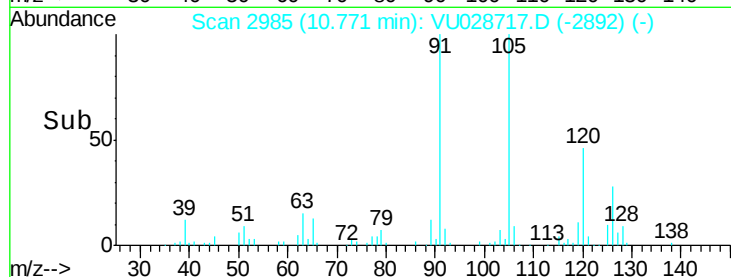
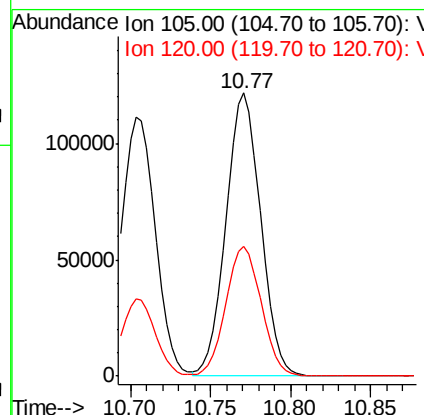
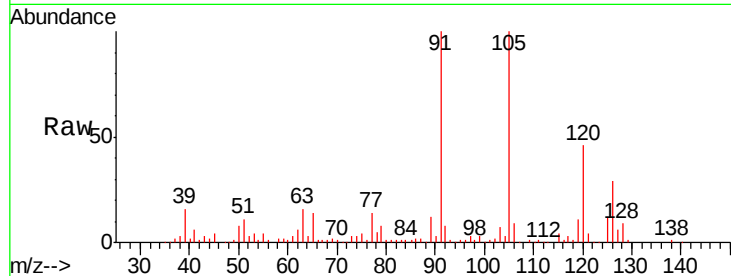
#80
 1,3,5-Trimethylbenzene
 Concen: 47.416 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion: 105 Resp: 180600
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1

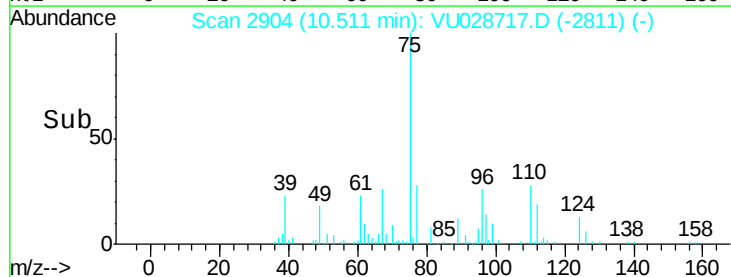
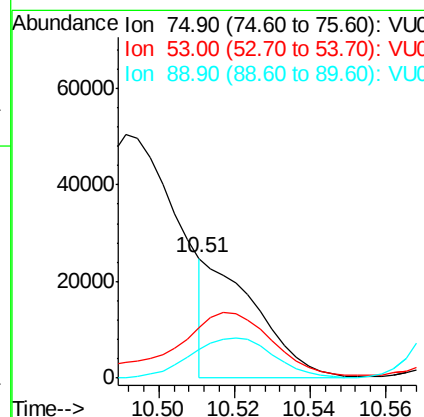
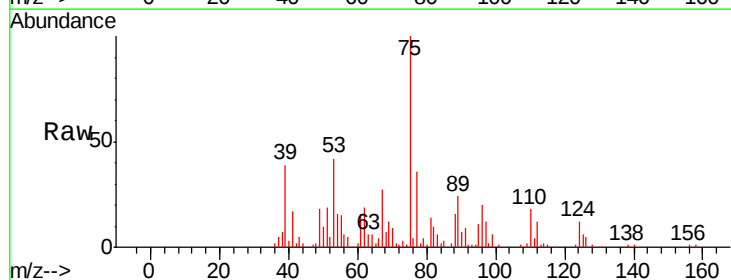
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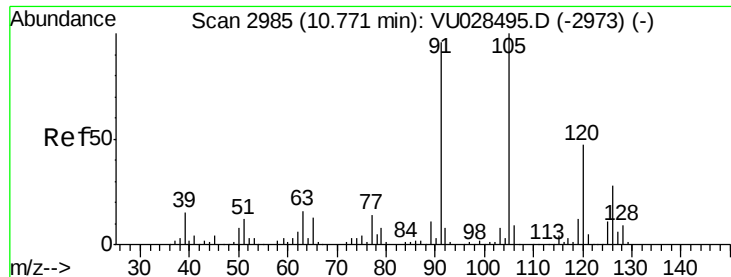
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 37.627 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion: 75 Resp: 23352
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 47.509 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 91 Resp: 185418

Ion Ratio Lower Upper

91 100

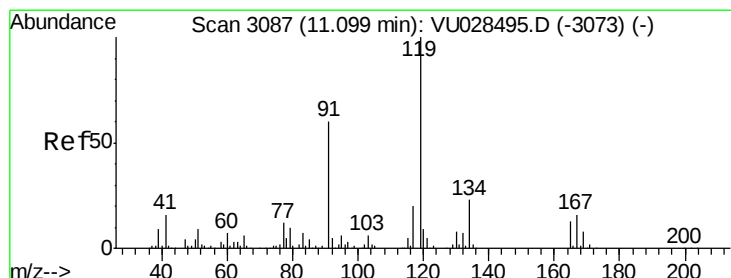
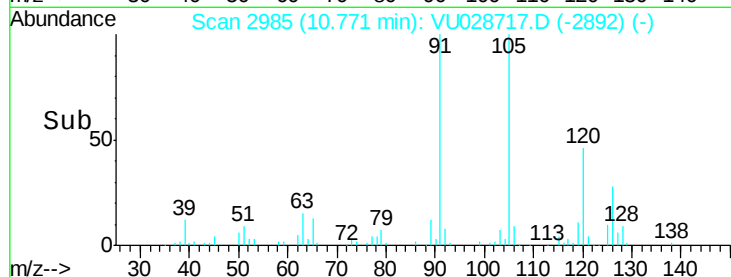
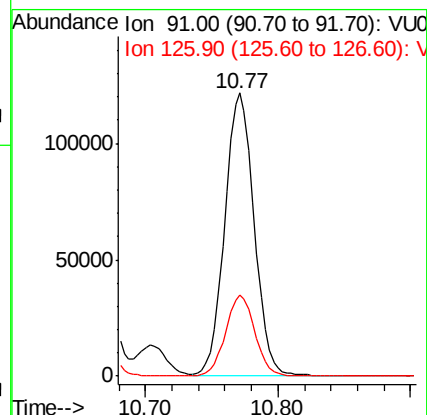
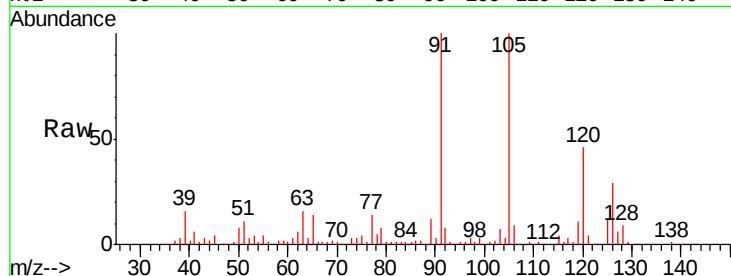
126 28.7 14.1 42.3

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#83

tert-Butylbenzene

Concen: 69.317 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

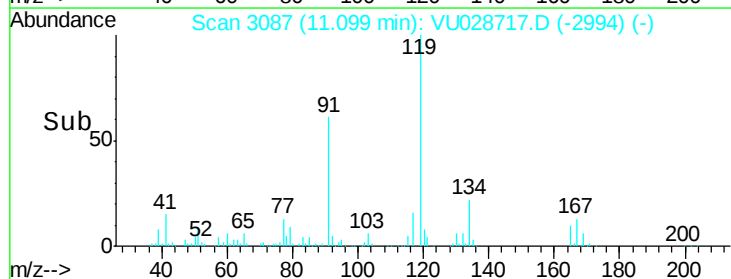
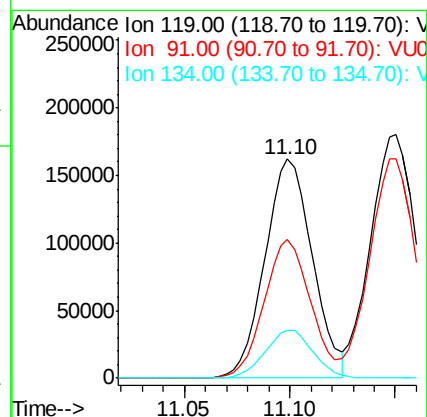
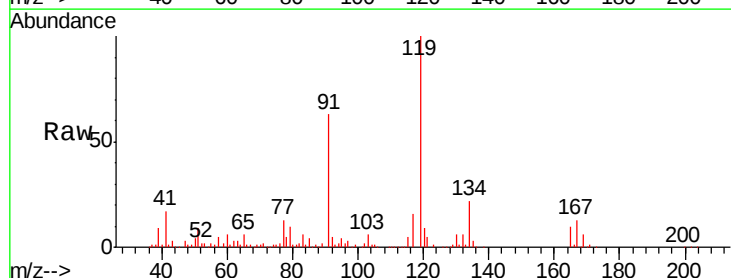
Tgt Ion: 119 Resp: 254475

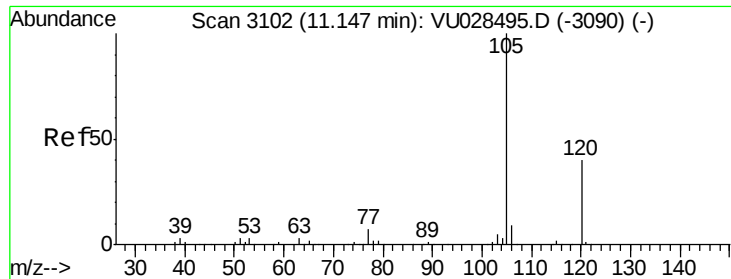
Ion Ratio Lower Upper

119 100

91 61.3 30.3 91.0

134 22.0 11.2 33.5





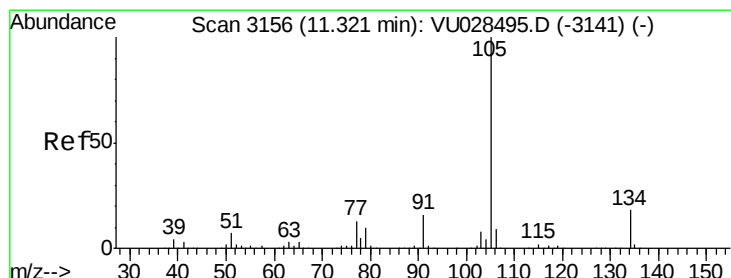
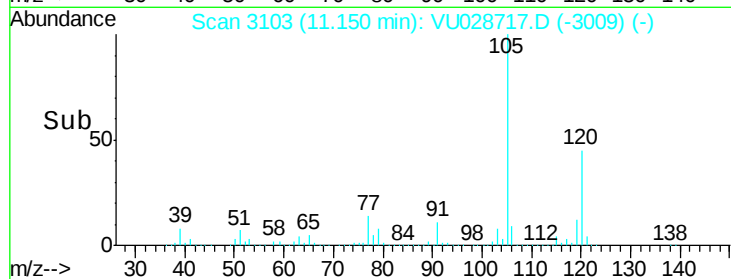
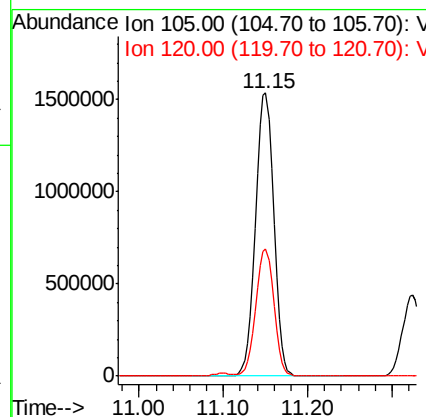
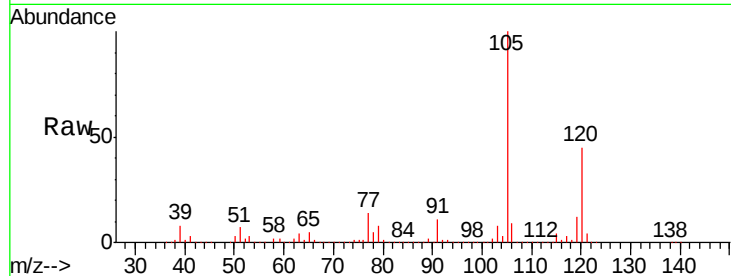
#84
 1,2,4-Trimethylbenzene
 Concen: 590.394 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion:105 Resp: 2317490
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.8 65.4

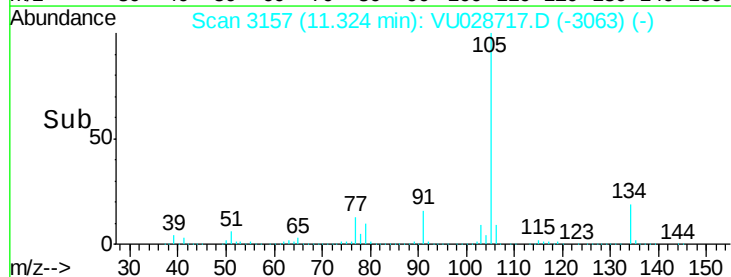
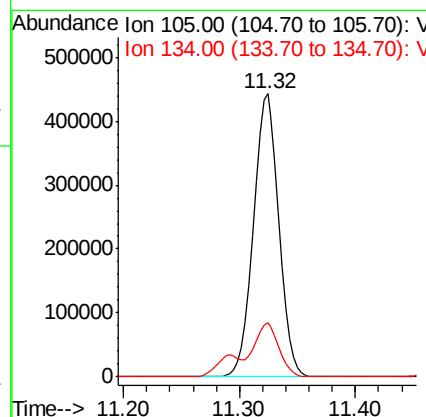
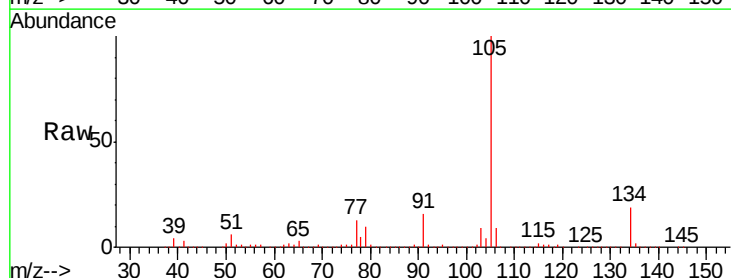
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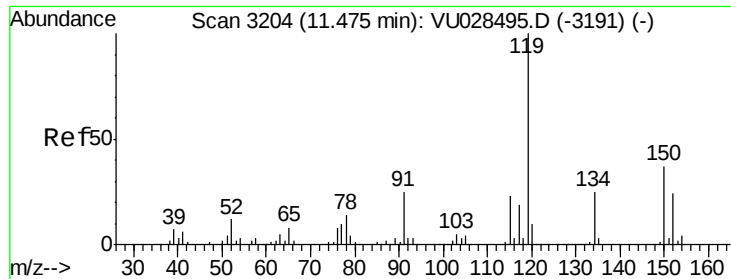
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#85
 sec-Butylbenzene
 Concen: 143.344 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Tgt Ion:105 Resp: 676054
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.2 27.6





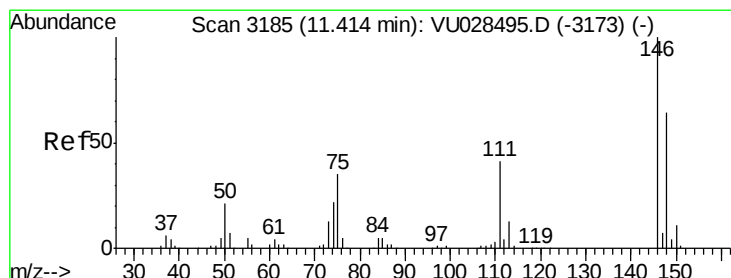
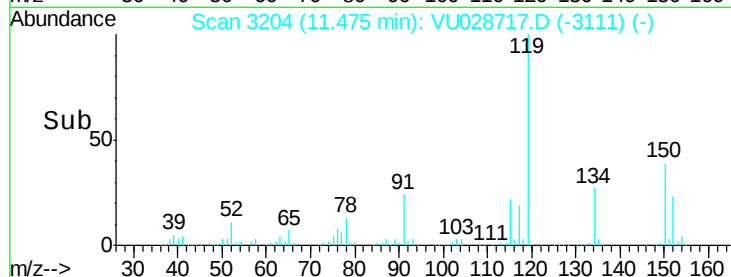
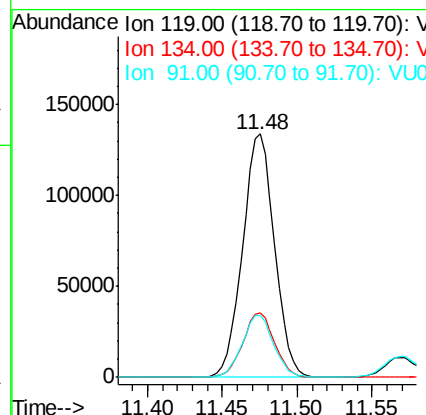
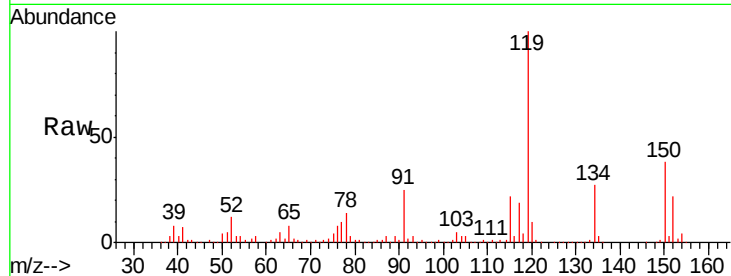
#86
p-Isopropyltoluene
Concen: 49.494 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	198289		
134	26.2	12.7	38.1	
91	25.1	12.6	37.6	

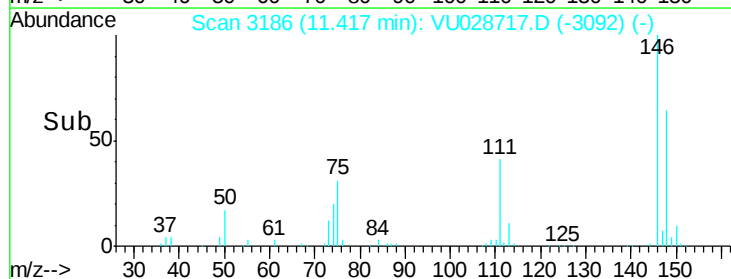
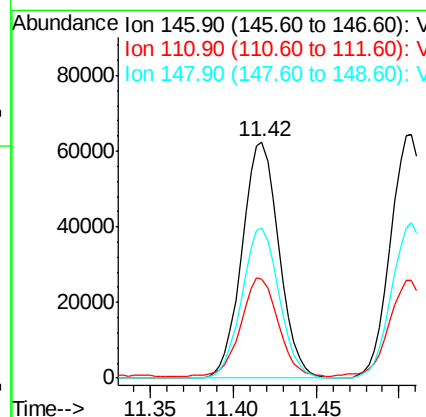
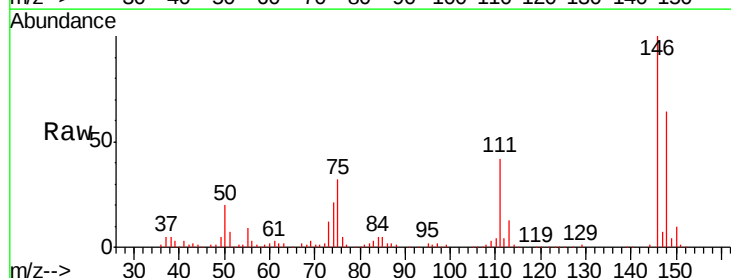
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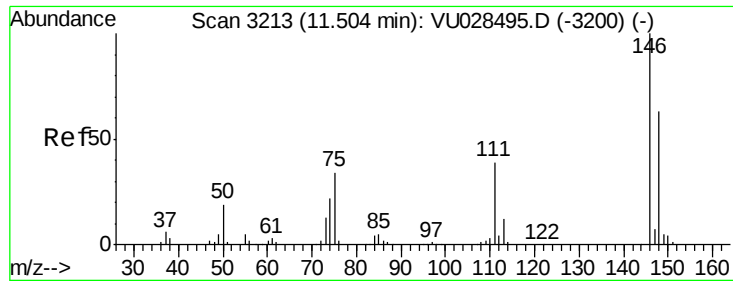
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#87
1,3-Dichlorobenzene
Concen: 47.688 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	96904		
111	42.0	20.7	62.1	
148	64.2	31.9	95.7	





#88

1,4-Dichlorobenzene

Concen: 47.744 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

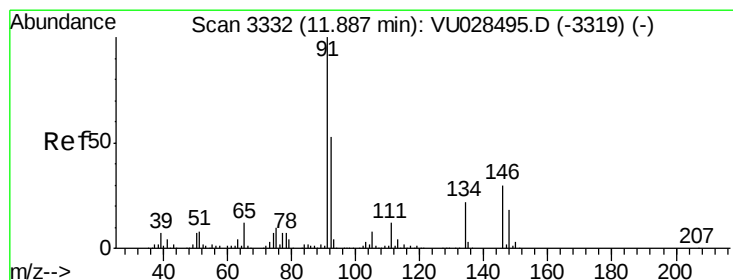
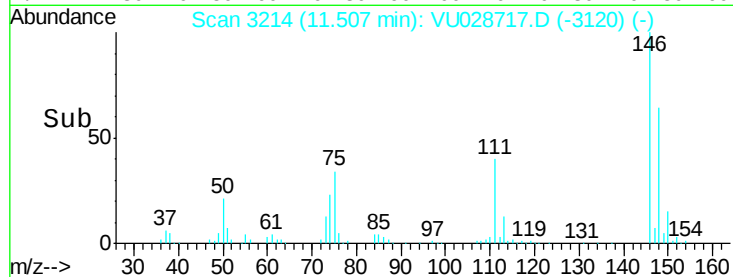
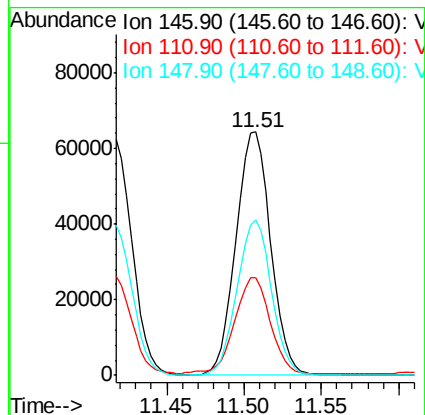
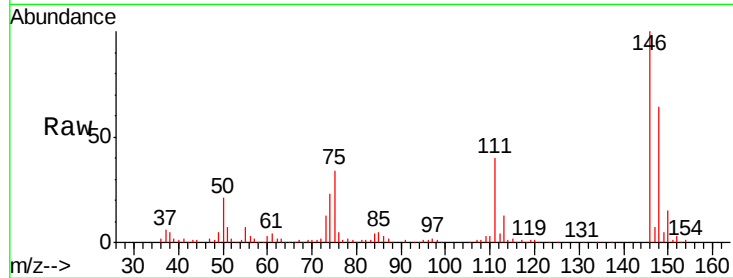
ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion:	146	Resp:	100375
Ion Ratio		Lower	Upper
146	100		
111	40.5	20.2	60.5
148	63.5	31.6	95.0

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#89

n-Butylbenzene

Concen: 99.475 ug/l

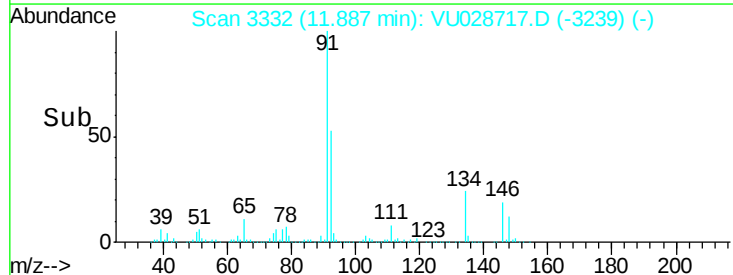
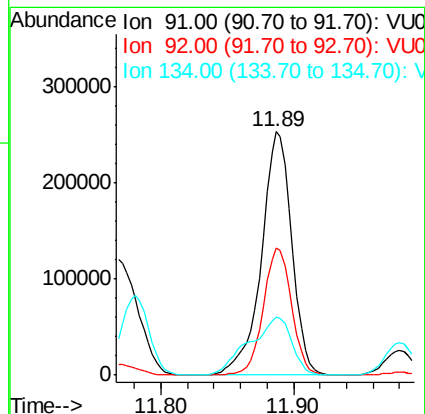
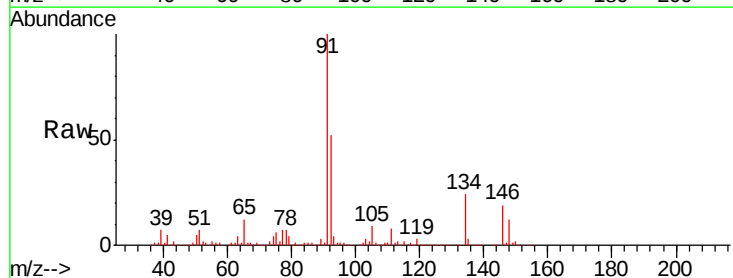
RT: 11.89 min Scan# 3332

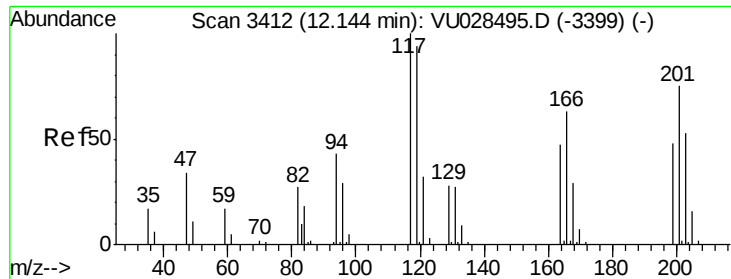
Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Tgt Ion:	91	Resp:	403331
Ion Ratio		Lower	Upper
91	100		
92	48.9	26.3	78.9
134	33.3	11.3	33.8





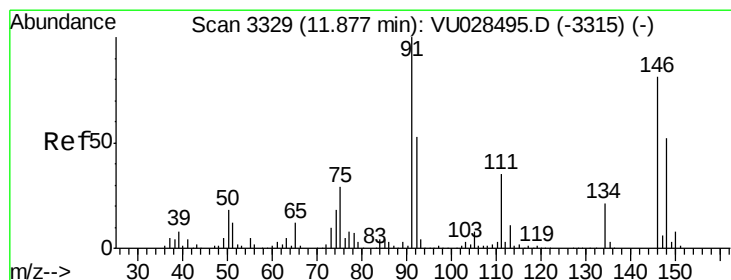
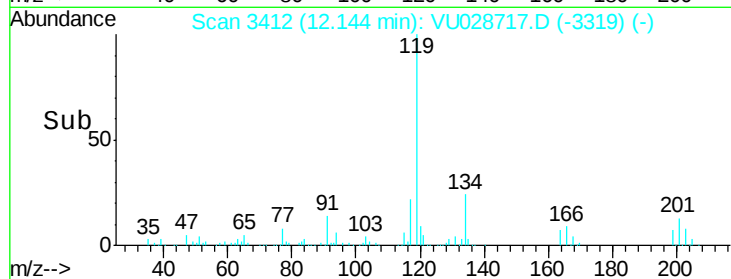
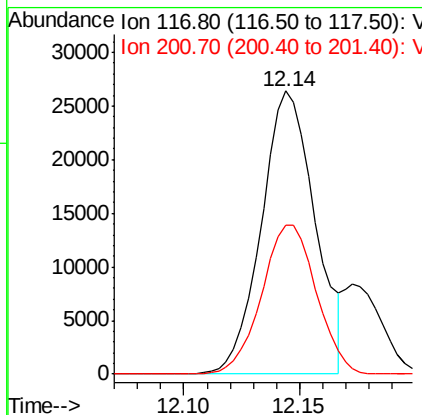
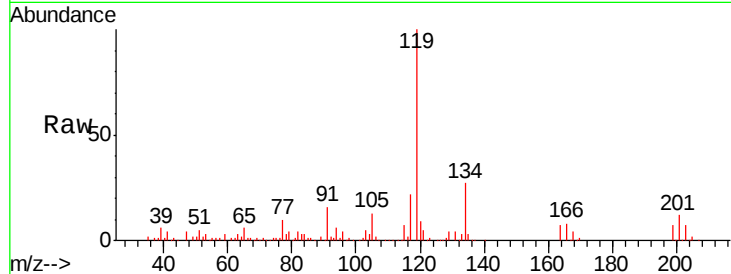
#90
Hexachloroethane
Concen: 70.043 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-J-1218MS

Tgt Ion:117 Resp: 42414
Ion Ratio Lower Upper
117 100
201 53.6 38.1 114.5

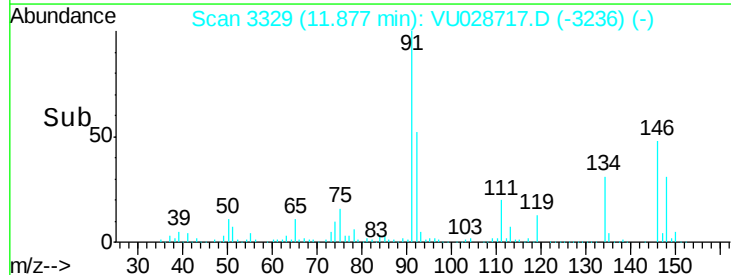
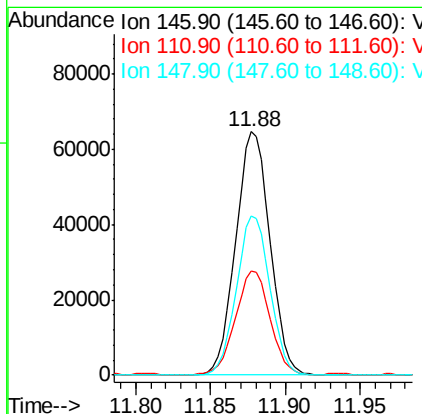
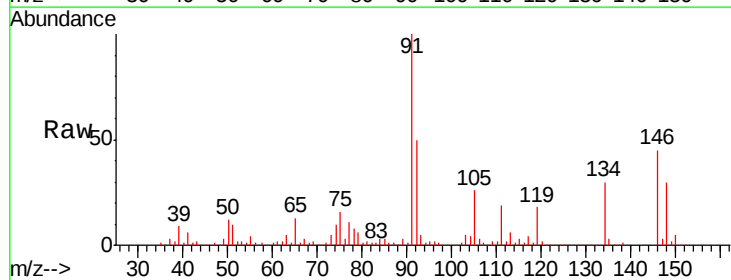
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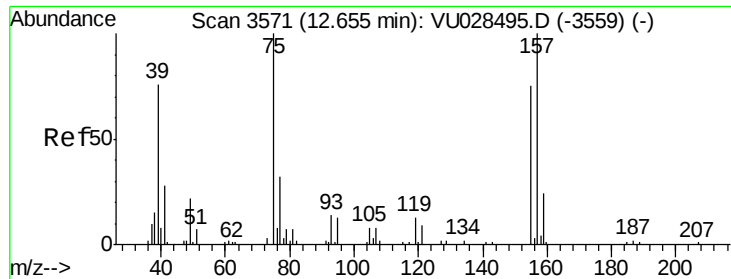
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#91
1,2-Dichlorobenzene
Concen: 50.796 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028717.D
Acq: 17 Dec 2018 13:54

Tgt Ion:146 Resp: 103248
Ion Ratio Lower Upper
146 100
111 42.8 21.1 63.4
148 63.9 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 72.657 ug/l

RT: 12.65 min Scan# 3570

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MS

Tgt Ion: 75 Resp: 27804

Ion Ratio Lower Upper

75 100

155 69.8 38.1 114.5

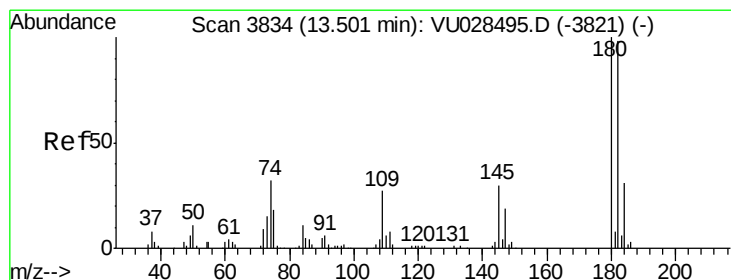
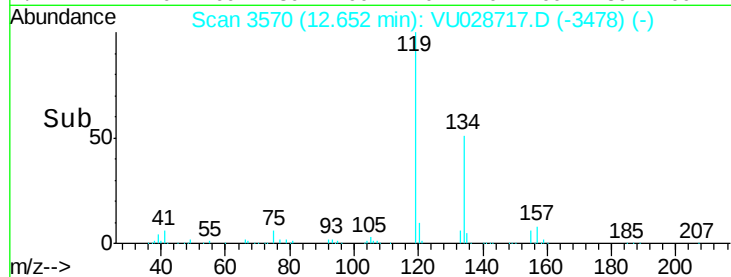
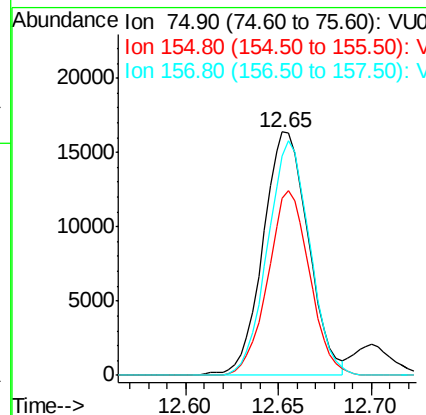
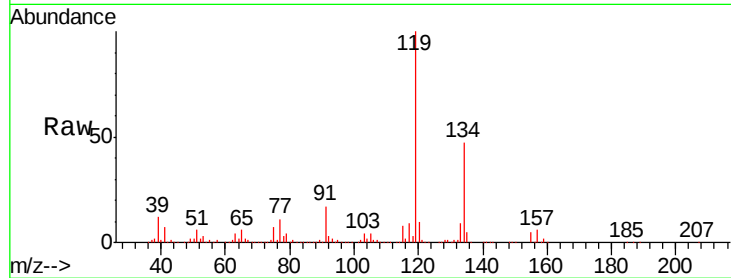
157 89.4 48.7 146.1

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#93

1,2,4-Trichlorobenzene

Concen: 46.281 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

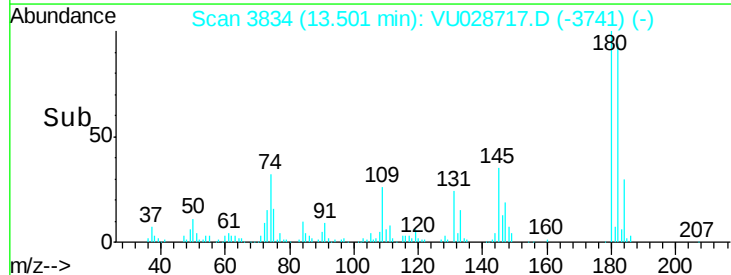
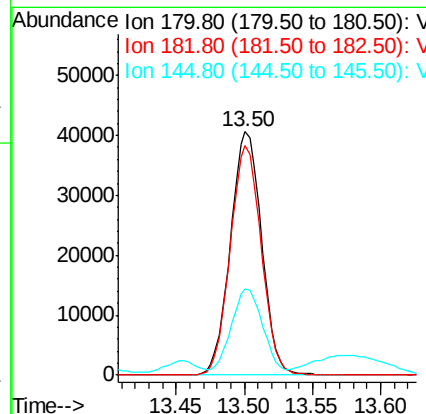
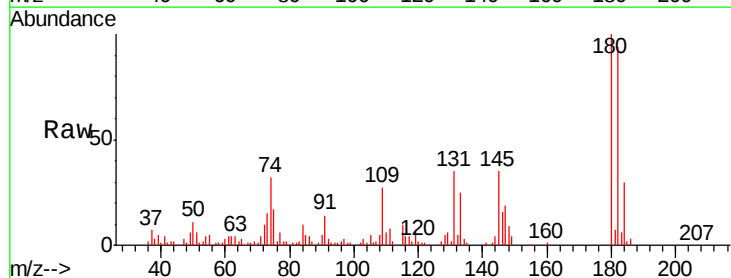
Tgt Ion: 180 Resp: 64553

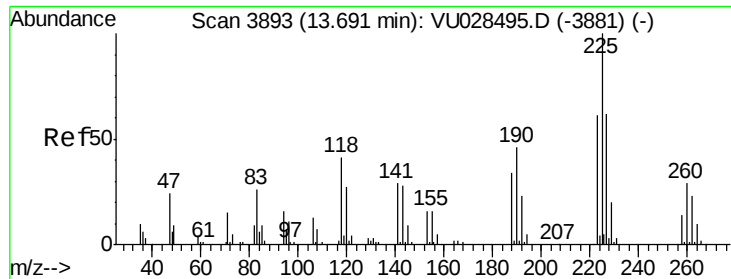
Ion Ratio Lower Upper

180 100

182 93.8 47.9 143.8

145 35.2 15.0 45.1





#94

Hexachlorobutadiene

Concen: 19.659 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028717.D

Acq: 17 Dec 2018 13:54

Instrument :

MSVOA_U

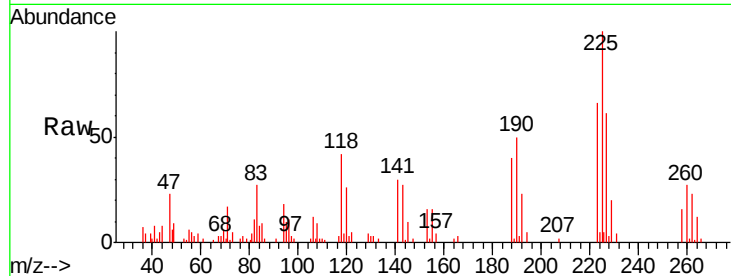
ClientSampleId :

EP1-MW-J-1218MS

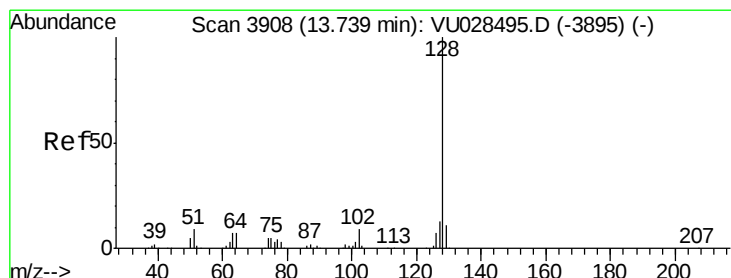
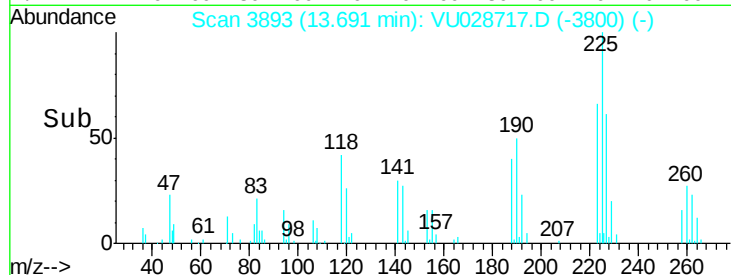
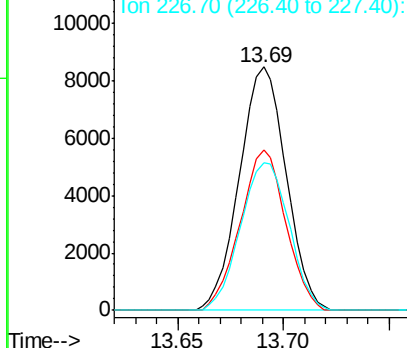
Tgt Ion:	225	Resp:	13089
Ion Ratio		Lower	Upper
225	100		
223	64.3	30.4	91.2
227	63.0	30.7	92.1

Manual Integrations
APPROVED

MMDadoda
12/18/2018 11:31:03 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 57.530 ug/l

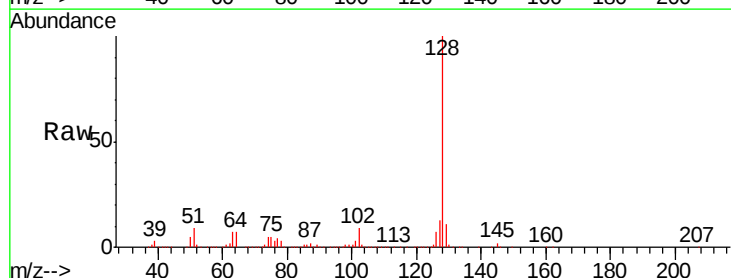
RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

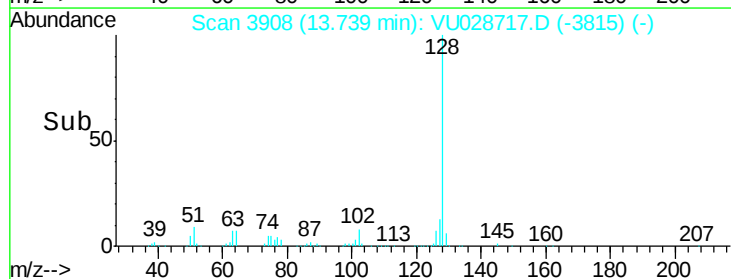
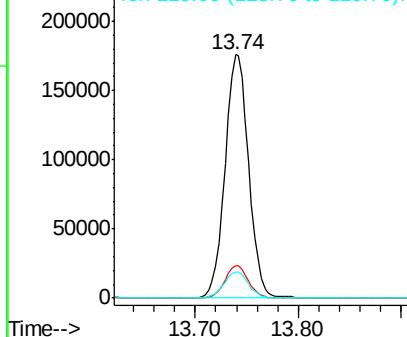
Lab File: VU028717.D

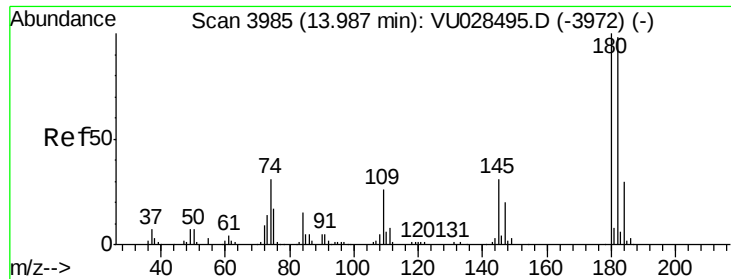
Acq: 17 Dec 2018 13:54

Tgt Ion:	128	Resp:	280601
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.1	8.6	13.0



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: 48.200 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028717.D
 Acq: 17 Dec 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MS

Tgt Ion:	180	Resp:	66995
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.2	144.6
145	36.8	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:03 AM

