

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028719.D
 Acq On : 17 Dec 2018 14:42
 Operator : MD/SY
 Sample : VU1217WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 04:21:57 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	90697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	157150	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70044	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70900	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	4.88	113	53062	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	7.56	98	208474	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	10.31	95	74342	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	24081	19.809	ug/l 98
3) Chloromethane	1.33	50	42454	18.995	ug/l 100
4) Vinyl Chloride	1.40	62	32126	19.918	ug/l 97
5) Bromomethane	1.60	94	17003	26.170	ug/l 100
6) Chloroethane	1.68	64	18328	20.072	ug/l 96
7) Trichlorofluoromethane	1.87	101	34760	20.484	ug/l 97
8) Diethyl Ether	2.10	74	15574	19.616	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	20887	20.580	ug/l 99
10) Methyl Iodide	2.41	142	21371	26.836	ug/l 100
11) Tert butyl alcohol	2.83	59	32154	104.271	ug/l 100
12) 1,1-Dichloroethene	2.28	96	20239	20.043	ug/l 92
13) Acrolein	2.19	56	24264	98.702	ug/l 99
14) Allyl chloride	2.59	41	50196	21.012	ug/l 93
15) Acrylonitrile	2.94	53	89069	104.036	ug/l 100
16) Acetone	2.32	43	72426	80.189	ug/l 97
17) Carbon Disulfide	2.47	76	70911	19.493	ug/l 99
18) Methyl Acetate	2.61	43	53239	22.739	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	78877	20.605	ug/l 99
20) Methylene Chloride	2.70	84	25609	19.234	ug/l 98
21) trans-1,2-Dichloroethene	2.98	96	22459	19.754	ug/l 96
22) Diisopropyl ether	3.57	45	96208	20.710	ug/l 99
23) Vinyl Acetate	3.52	43	386504	100.867	ug/l 99
24) 1,1-Dichloroethane	3.44	63	49490	20.352	ug/l 99
25) 2-Butanone	4.26	43	120183	97.370	ug/l 100
26) 2,2-Dichloropropane	4.23	77	36440	18.912	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	26452	20.555	ug/l 96
28) Bromochloromethane	4.55	49	26479	23.953	ug/l 97
29) Tetrahydrofuran	4.64	42	84081	106.068	ug/l 99
30) Chloroform	4.67	83	44186	20.848	ug/l 98
31) Cyclohexane	4.99	56	49083	19.965	ug/l 97
32) 1,1,1-Trichloroethane	4.91	97	36406	20.682	ug/l 98
36) 1,1-Dichloropropene	5.13	75	33887	19.706	ug/l 99
37) Ethyl Acetate	4.38	43	45137	20.304	ug/l 100
38) Carbon Tetrachloride	5.13	117	28996	20.920	ug/l 99

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 ALS Vial : 12 Sample Multiplier: 1

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	40647	19.374	ug/l	98
40) Benzene	5.39	78	104477	20.628	ug/l	99
41) Methacrylonitrile	4.54	41	26176	21.501	ug/l	98
42) 1,2-Dichloroethane	5.40	62	36048	20.333	ug/l	99
43) Isopropyl Acetate	5.55	43	73430	20.884	ug/l	99
44) Trichloroethene	6.18	130	23747	21.087	ug/l	94
45) 1,2-Dichloropropane	6.43	63	30381	21.331	ug/l	93
46) Dibromomethane	6.56	93	18371	21.739	ug/l	98
47) Bromodichloromethane	6.76	83	34862	21.200	ug/l	97
48) Methyl methacrylate	6.62	41	36579	20.919	ug/l	98
49) 1,4-Dioxane	6.61	88	11867	429.812	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	233771	105.412	ug/l	99
52) Toluene	7.64	92	61135	20.510	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	40136	20.493	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	43880	20.651	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	25345	21.510	ug/l	96
56) Ethyl methacrylate	8.02	69	42579	21.103	ug/l	98
57) 1,3-Dichloropropane	8.24	76	45790	20.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	105646	102.223	ug/l	100
59) 2-Hexanone	8.36	43	179390	102.057	ug/l	99
60) Dibromochloromethane	8.48	129	24431	21.178	ug/l	97
61) 1,2-Dibromoethane	8.58	107	26867	21.744	ug/l	99
64) Tetrachloroethene	8.22	164	20034	20.780	ug/l	98
65) Chlorobenzene	9.12	112	65453	21.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	21904	22.271	ug/l	99
67) Ethyl Benzene	9.25	91	117294	20.716	ug/l	100
68) m/p-Xylenes	9.37	106	86303	41.890	ug/l	99
69) o-Xylene	9.78	106	42061	21.008	ug/l	99
70) Styrene	9.79	104	68900	20.794	ug/l	99
71) Bromoform	9.96	173	19518	23.328	ug/l #	99
73) Isopropylbenzene	10.16	105	115234	21.440	ug/l	100
74) N-amyl acetate	10.01	43	63577	20.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	46967	22.748	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	40012m	22.371	ug/l	
77) Bromobenzene	10.45	156	27013	21.490	ug/l	99
78) n-propylbenzene	10.58	91	145518	21.789	ug/l	100
79) 2-Chlorotoluene	10.66	91	81420	21.164	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	92727	20.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	13579m	18.995	ug/l	
82) 4-Chlorotoluene	10.77	91	92910	20.380	ug/l	100
83) tert-Butylbenzene	11.10	119	91719	21.388	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	103073	22.480	ug/l	99
85) sec-Butylbenzene	11.32	105	114682	20.817	ug/l	99
86) p-Isopropyltoluene	11.47	119	93932	20.072	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	49386	20.807	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	48354	19.690	ug/l	95
89) n-Butylbenzene	11.89	91	90272	19.060	ug/l	98
90) Hexachloroethane	12.14	117	15995	22.613	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	49532	20.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10009	22.392	ug/l	93

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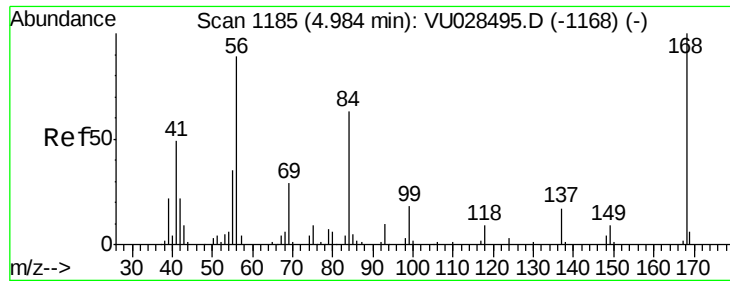
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	31961	20.103	ug/l	98
94) Hexachlorobutadiene	13.69	225	14597	18.769	ug/l	97
95) Naphthalene	13.74	128	113673	19.952	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	32626	20.181	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion:168 Resp: 90697

Ion Ratio Lower Upper

168 100

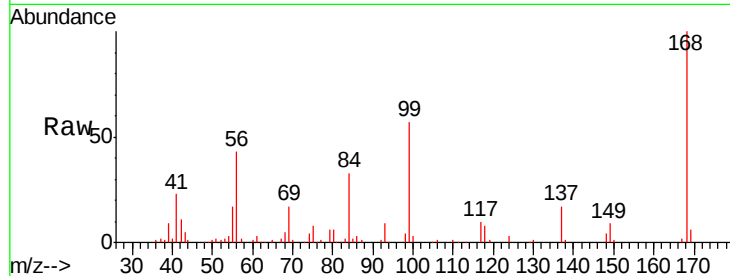
99 56.5 46.6 69.8

Manual Integrations

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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

40000

30000

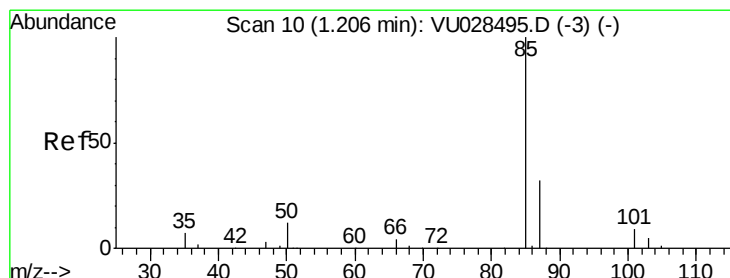
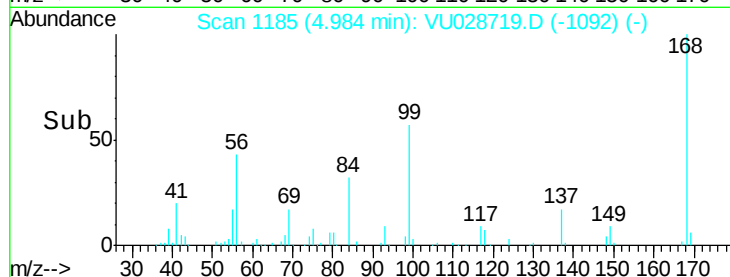
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.809 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028719.D

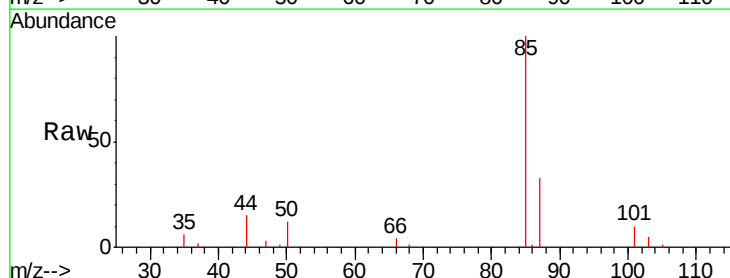
Acq: 17 Dec 2018 14:42

Tgt Ion: 85 Resp: 24081

Ion Ratio Lower Upper

85 100

87 32.9 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

25000

20000

15000

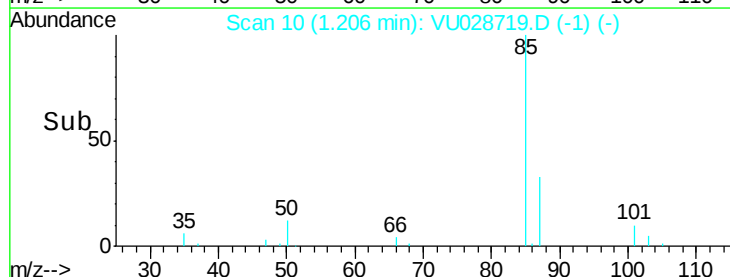
10000

5000

0

1.15 1.20 1.25

Time-->





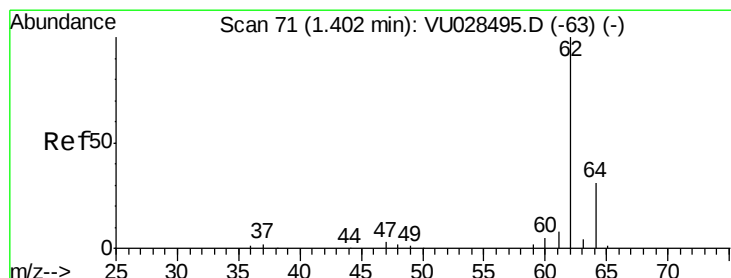
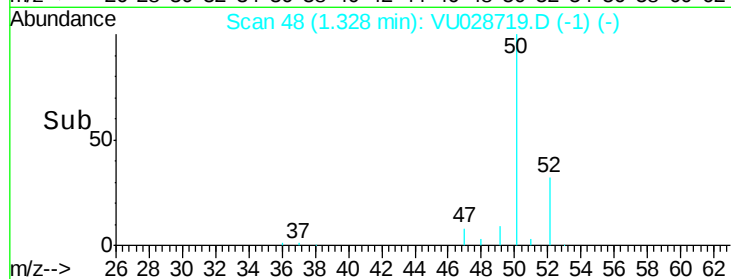
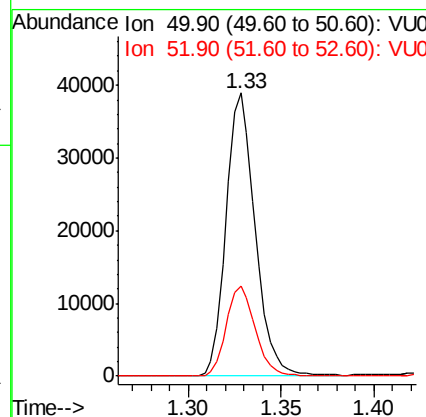
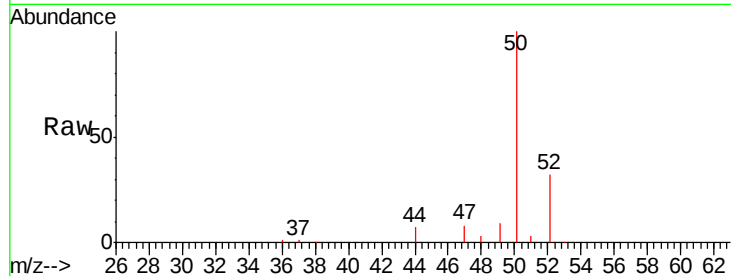
#3
 Chloromethane
 Concen: 18.995 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Tgt Ion: 50 Resp: 42454
 Ion Ratio Lower Upper
 50 100
 52 31.7 25.5 38.3

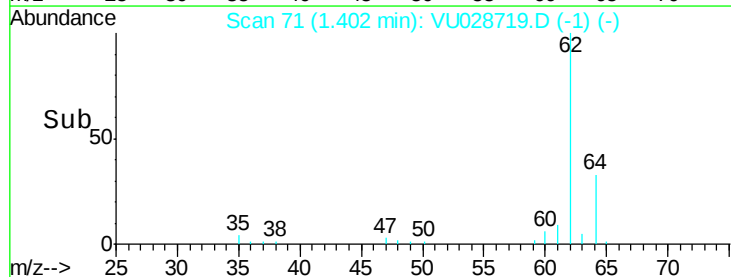
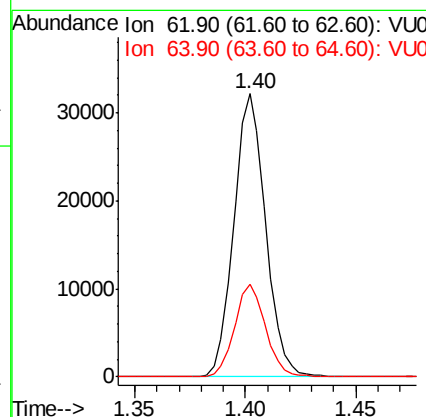
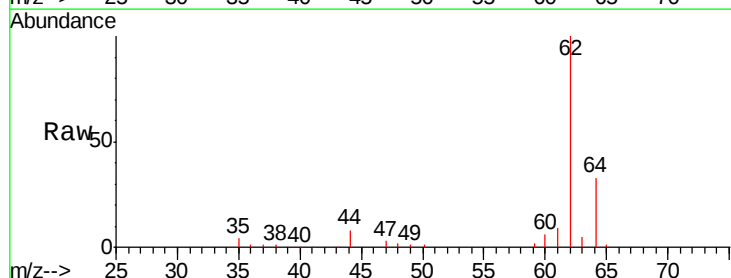
Manual Integrations
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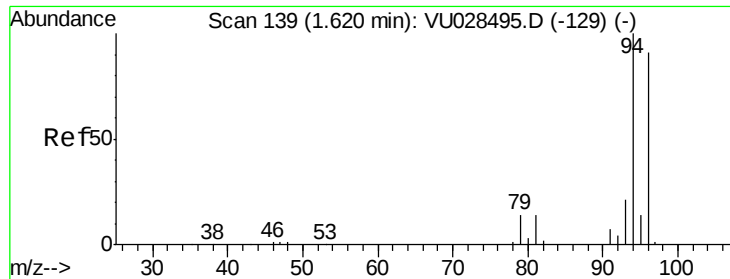
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#4
 Vinyl Chloride
 Concen: 19.918 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 62 Resp: 32126
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.1 37.7





#5

Bromomethane

Concen: 26.170 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 94 Resp: 17003

Ion Ratio Lower Upper

94 100

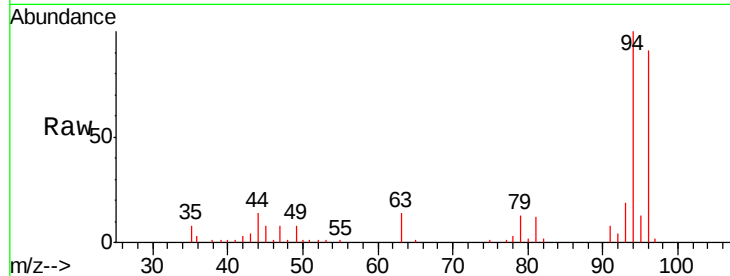
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Manual Integrations

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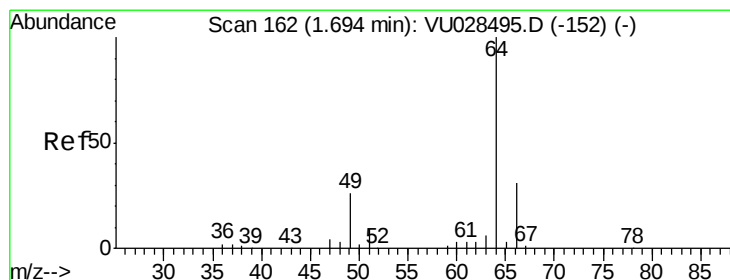
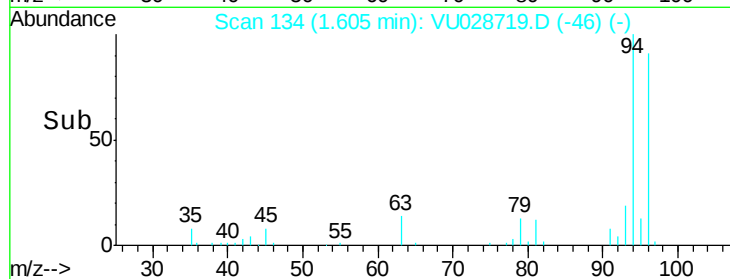
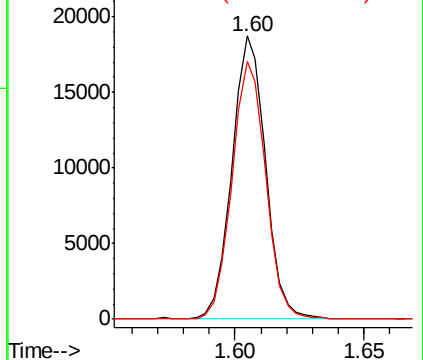
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.072 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028719.D

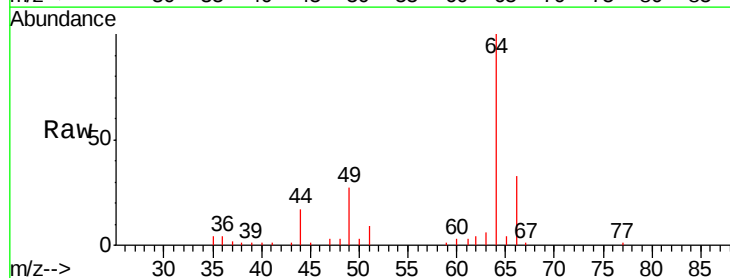
Acq: 17 Dec 2018 14:42

Tgt Ion: 64 Resp: 18328

Ion Ratio Lower Upper

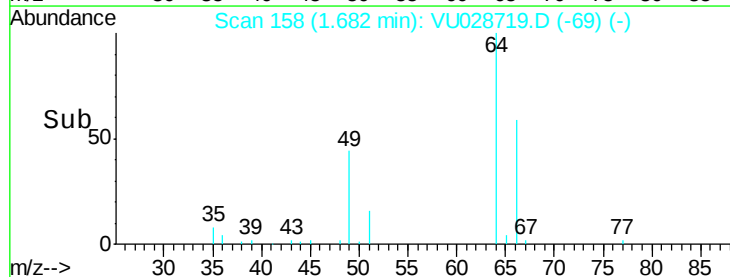
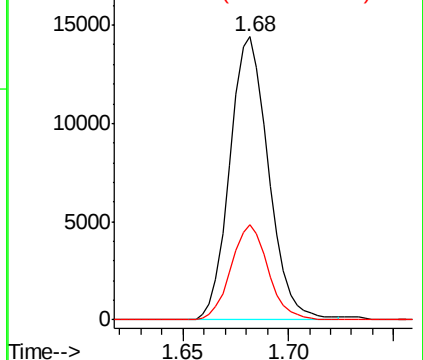
64 100

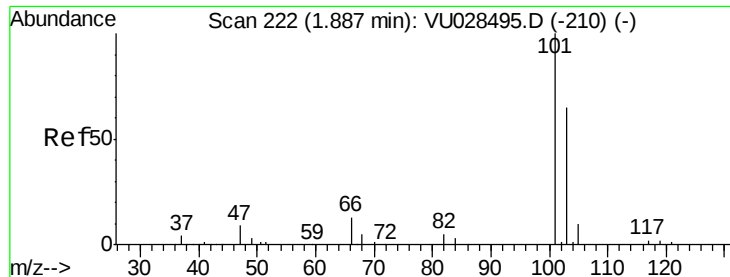
66 33.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

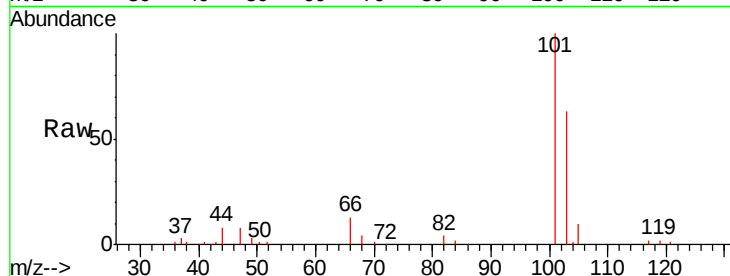
Trichlorofluoromethane
Concen: 20.484 ug/l
RT: 1.87 min Scan# 218
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

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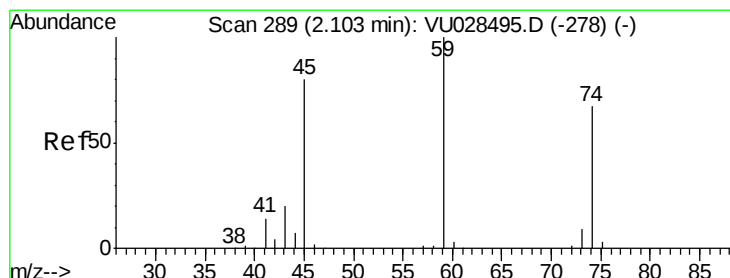
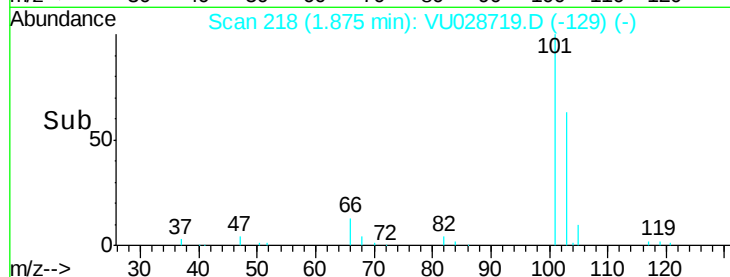
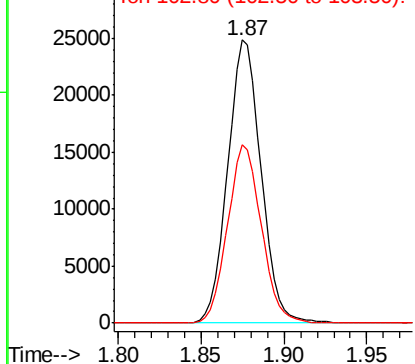
Tgt Ion: 101 Resp: 34760
Ion Ratio Lower Upper
101 100
103 62.9 52.3 78.5

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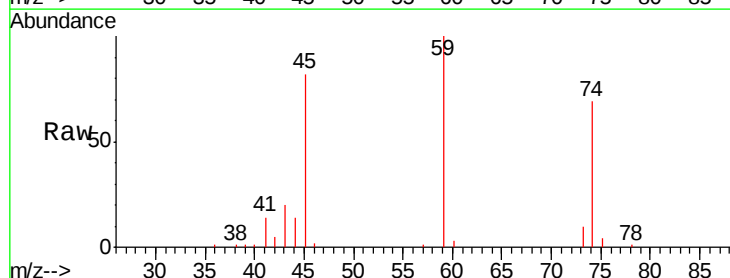
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



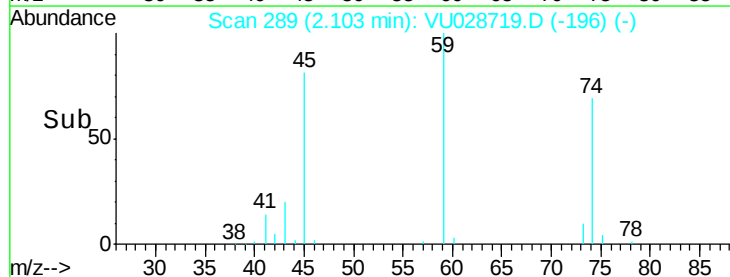
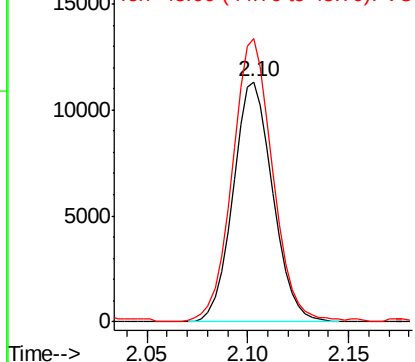
#8

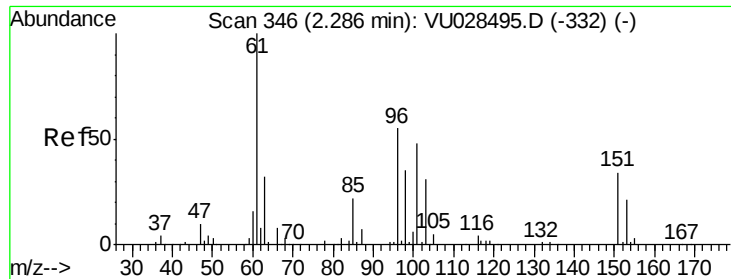
Diethyl Ether
Concen: 19.616 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 74 Resp: 15574
Ion Ratio Lower Upper
74 100
45 120.6 59.7 179.0



Abundance Ion 74.00 (73.70 to 74.70): VU0
Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.580 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

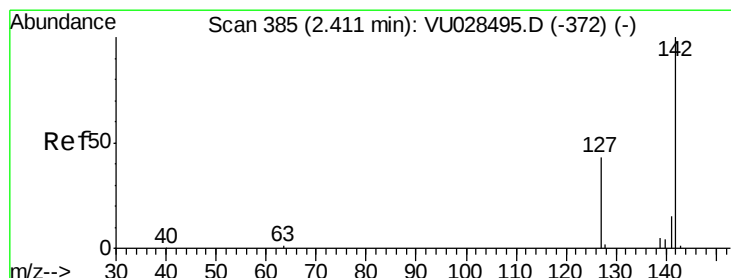
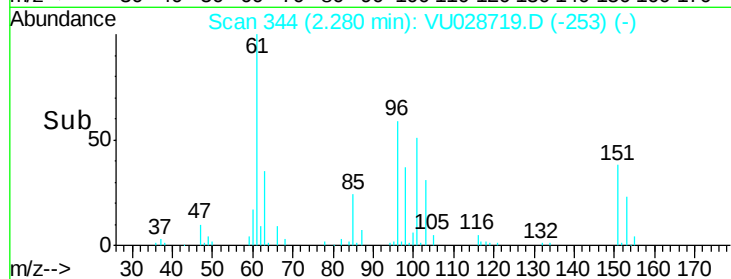
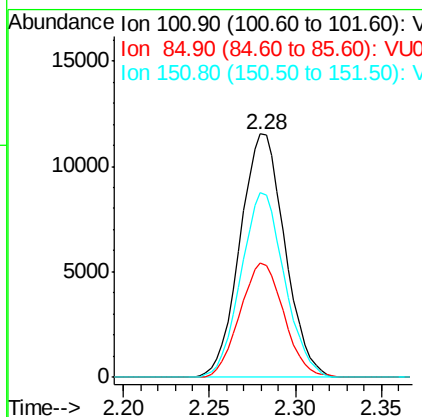
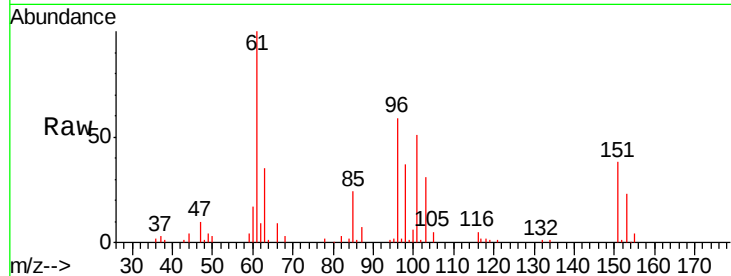
ClientSampleId :

VU1217WBS01

Tgt Ion:	101	Resp:	20887
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.4	54.6
151	73.6	58.2	87.2

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#10

Methyl Iodide

Concen: 26.836 ug/l

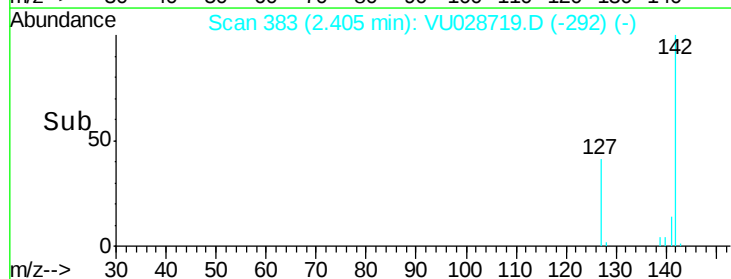
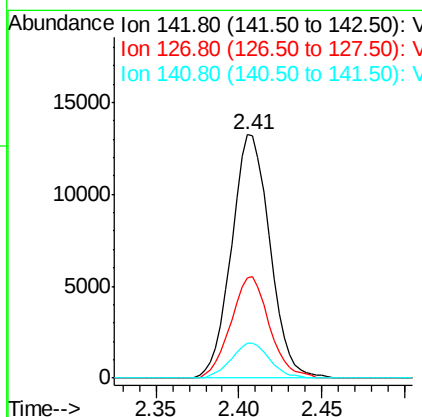
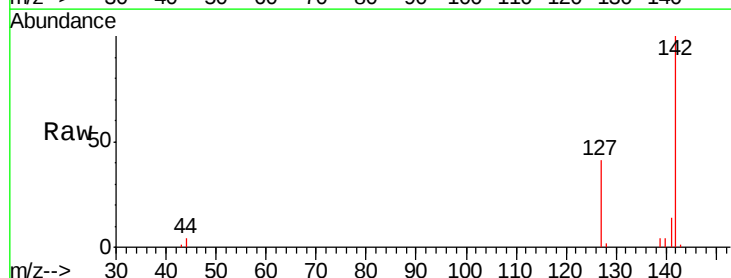
RT: 2.41 min Scan# 383

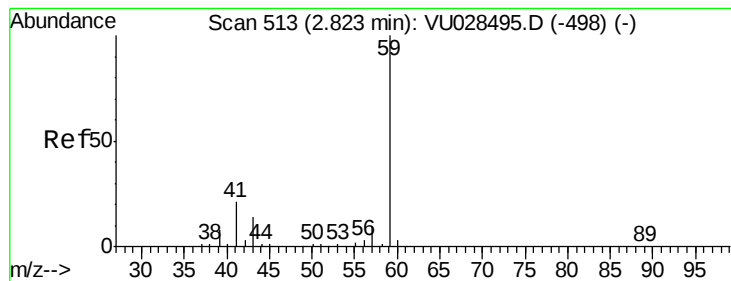
Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion:	142	Resp:	21371
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.5	50.3
141	14.2	11.2	16.8





#11

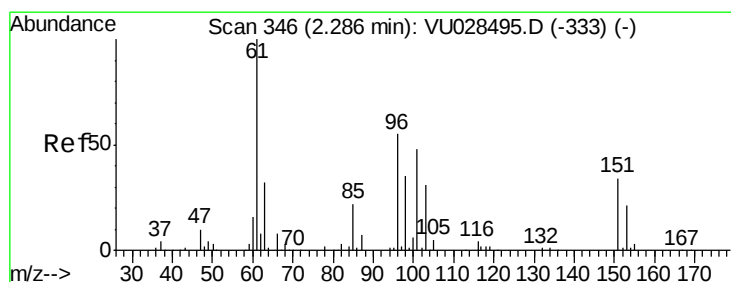
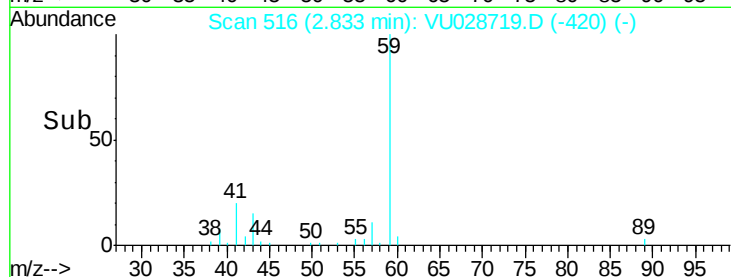
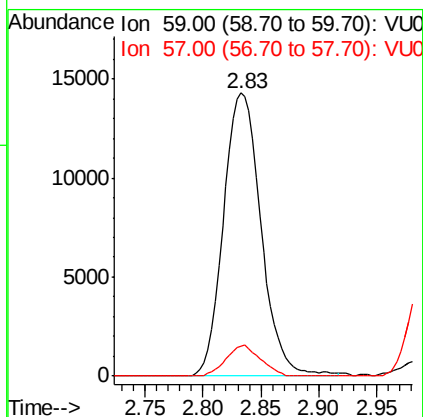
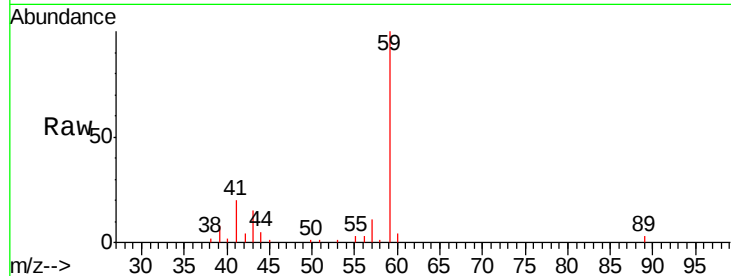
Tert butyl alcohol
Concen: 104.271 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

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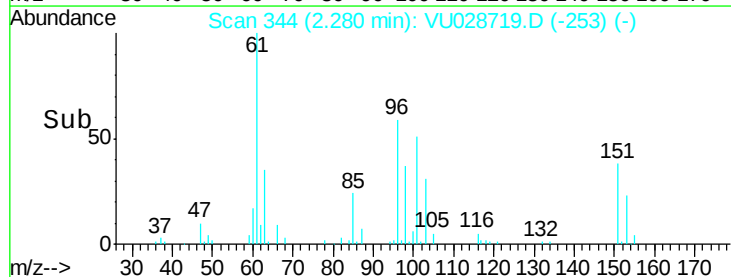
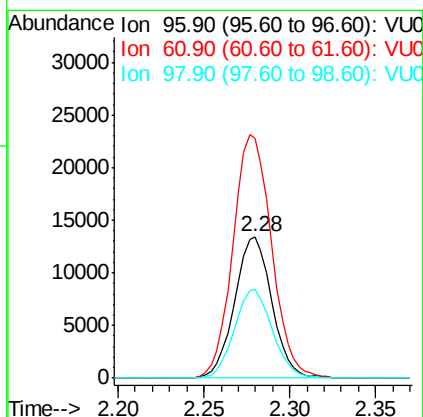
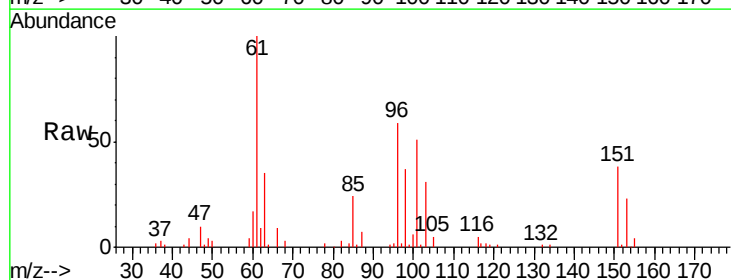
MMDadoda
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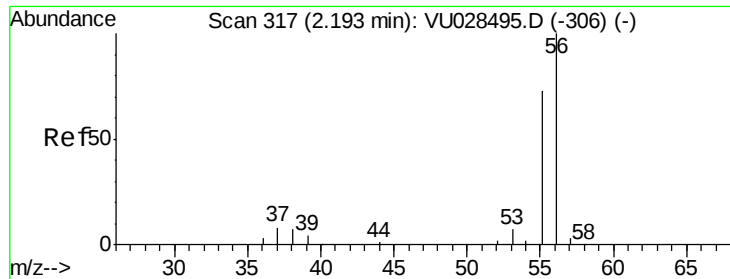


#12

1,1-Dichloroethene
Concen: 20.043 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	146.4	219.6
98	62.7	51.8	77.8





#13

Acrolein

Concen: 98.702 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 56 Resp: 24264

Ion Ratio Lower Upper

56 100

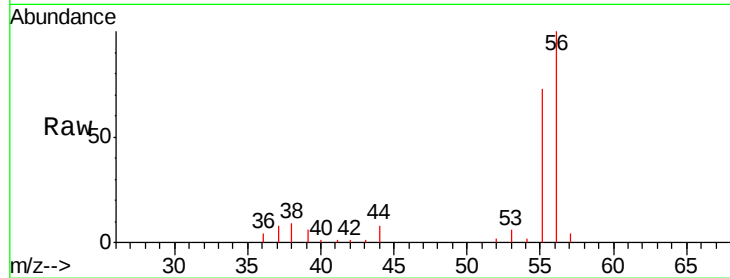
55 72.6 57.5 86.3

Manual Integrations

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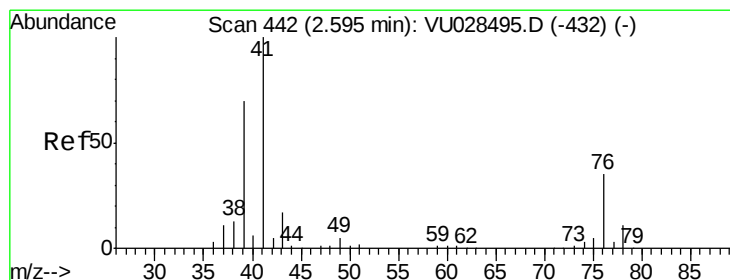
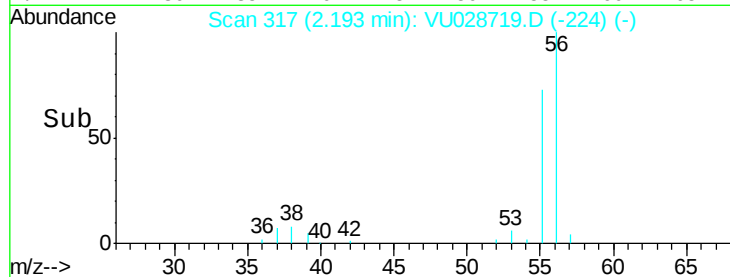
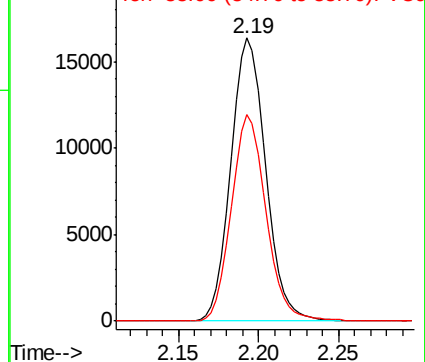
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 21.012 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

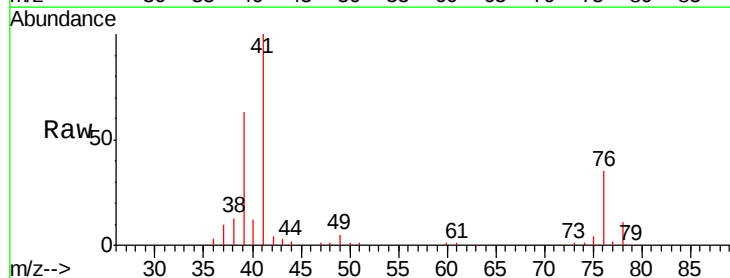
Tgt Ion: 41 Resp: 50196

Ion Ratio Lower Upper

41 100

39 56.1 50.8 76.2

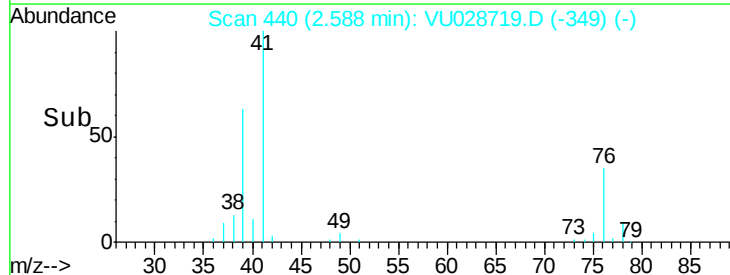
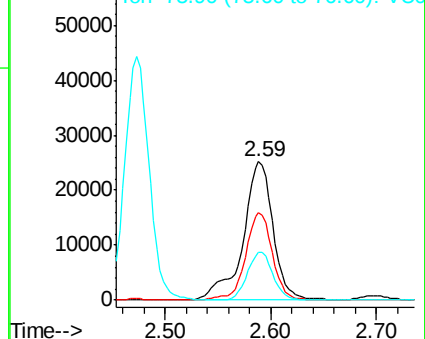
76 29.5 24.8 37.2

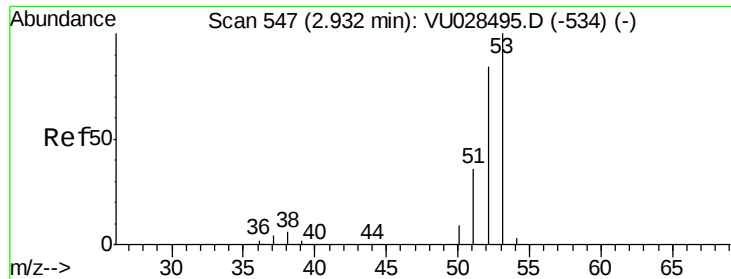


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 104.036 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

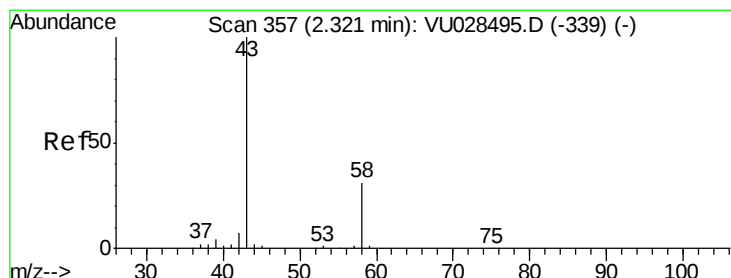
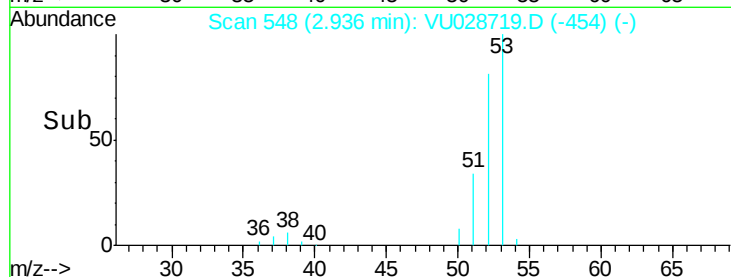
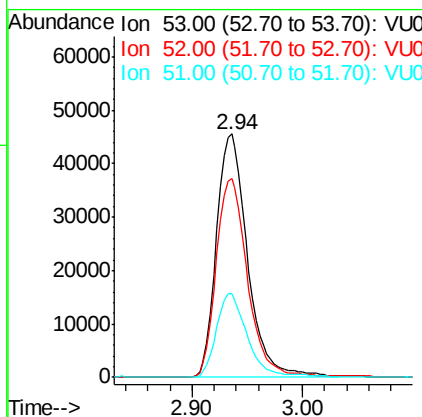
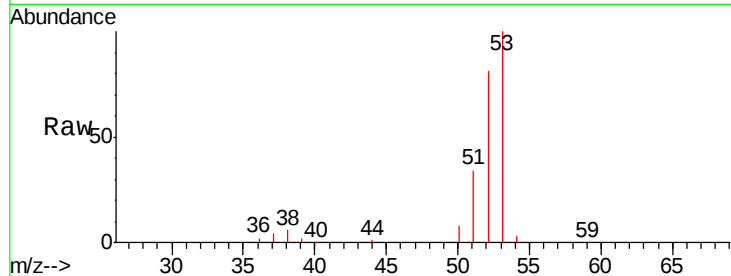
ClientSampleId :

VU1217WBS01

Tgt Ion:	53	Resp:	89069
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	34.7	28.1	42.1

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#16

Acetone

Concen: 80.189 ug/l

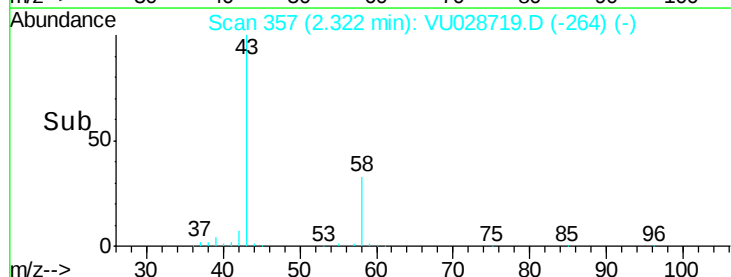
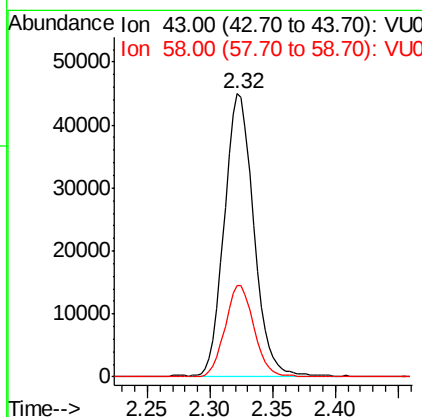
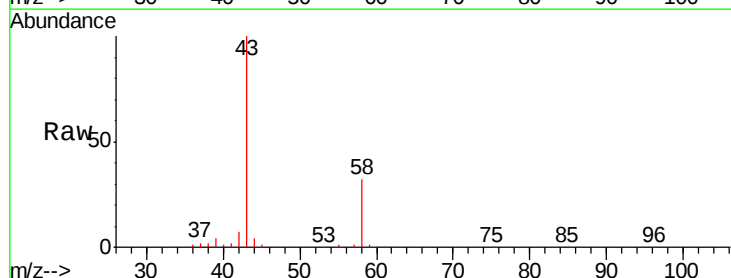
RT: 2.32 min Scan# 357

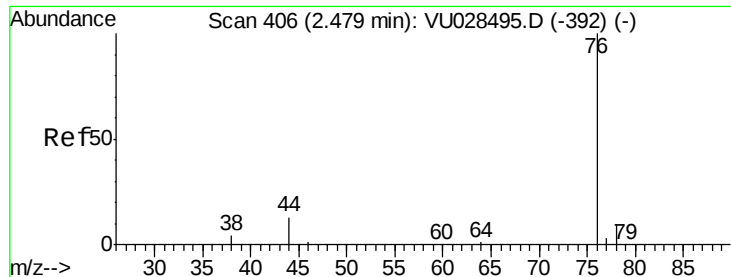
Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion:	43	Resp:	72426
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.6	37.0





#17

Carbon Disulfide

Concen: 19.493 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 76 Resp: 70911

Ion Ratio Lower Upper

76 100

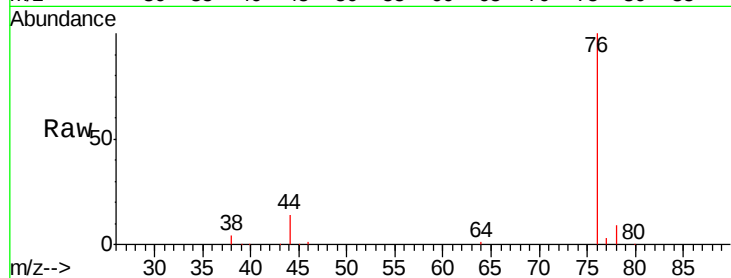
78 8.5 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU028719.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU028719.D (-313) (-)

2.47

50000

40000

30000

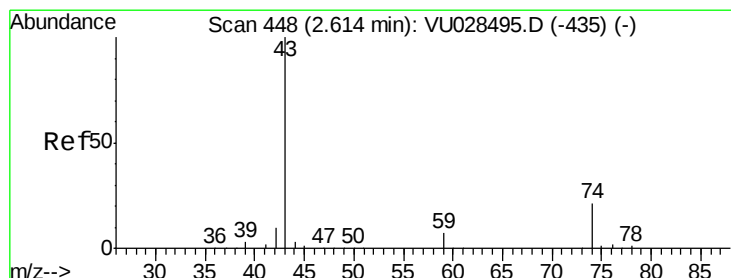
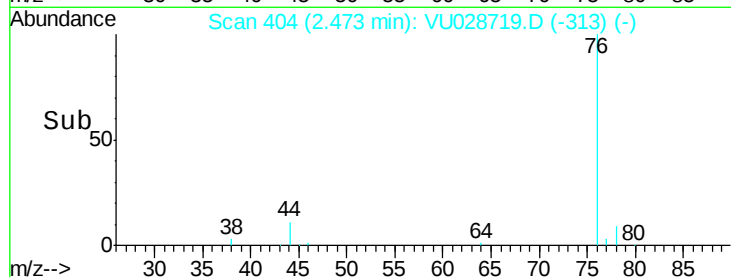
20000

10000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 22.739 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028719.D

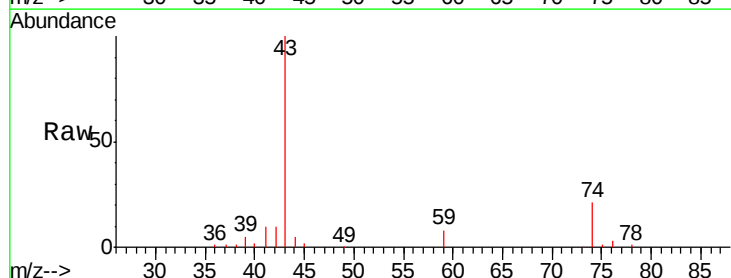
Acq: 17 Dec 2018 14:42

Tgt Ion: 43 Resp: 53239

Ion Ratio Lower Upper

43 100

74 20.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028719.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028719.D (-355) (-)

2.61

30000

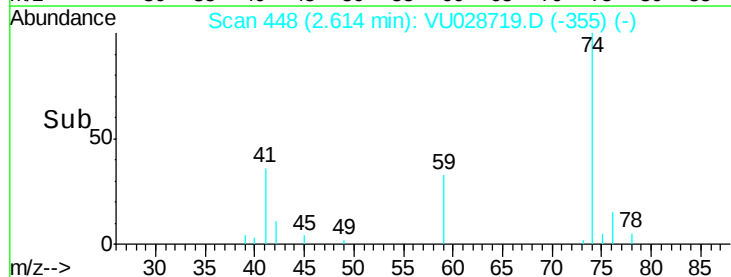
20000

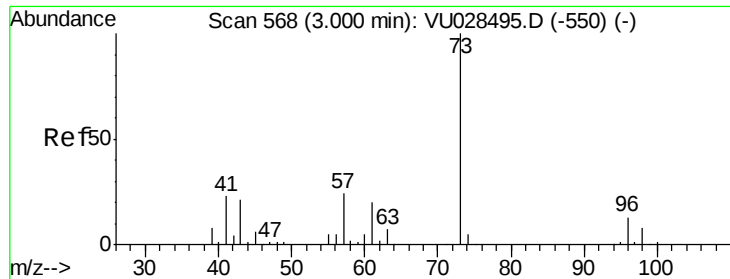
10000

0

Time-->

2.55 2.60 2.65 2.70





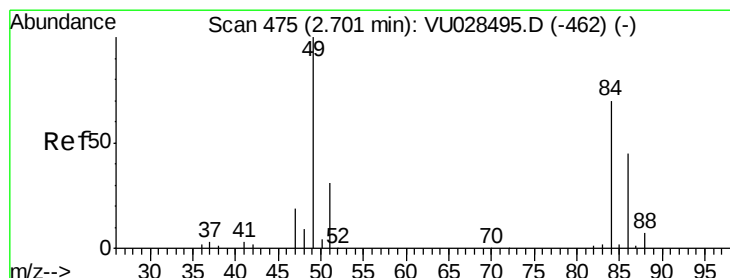
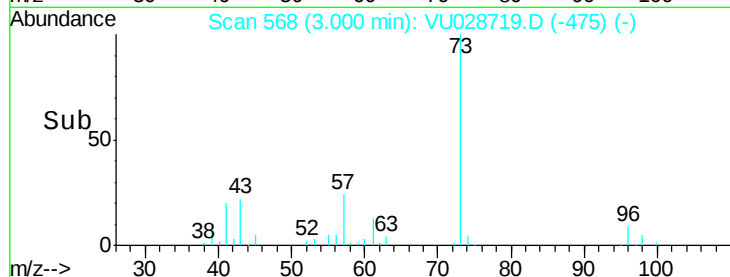
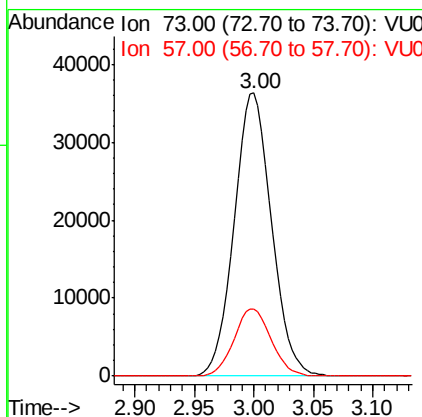
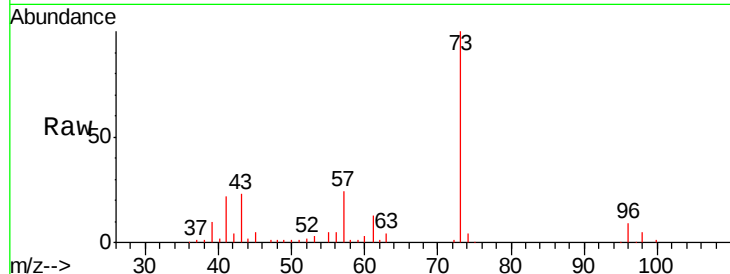
#19
Methyl tert-butyl Ether
Concen: 20.605 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion: 73 Resp: 78877
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.2

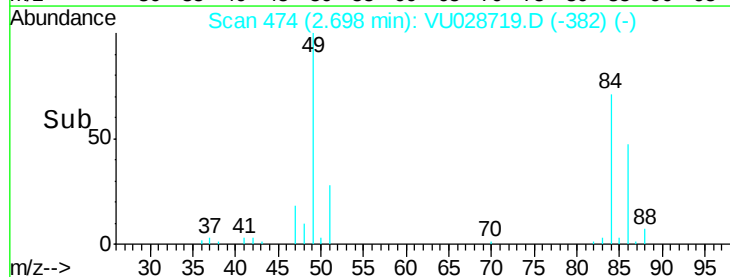
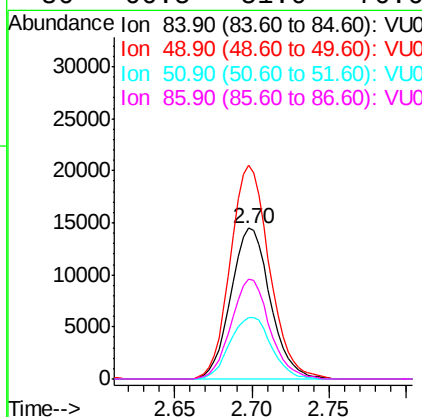
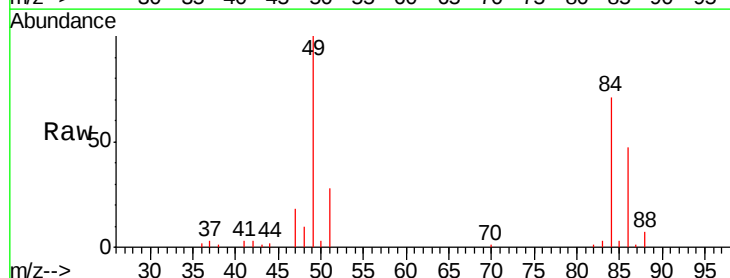
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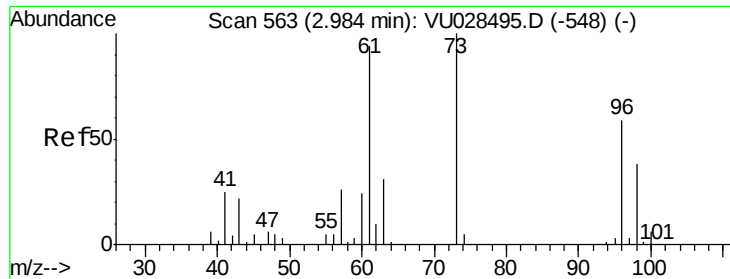
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#20
Methylene Chloride
Concen: 19.234 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 84 Resp: 25609
Ion Ratio Lower Upper
84 100
49 141.7 114.0 171.0
51 40.4 35.1 52.7
86 66.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.754 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 96 Resp: 22459

Ion Ratio Lower Upper

96 100

61 164.3 127.0 190.4

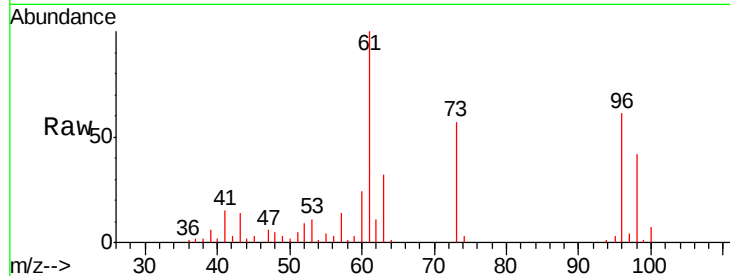
98 68.7 51.9 77.9

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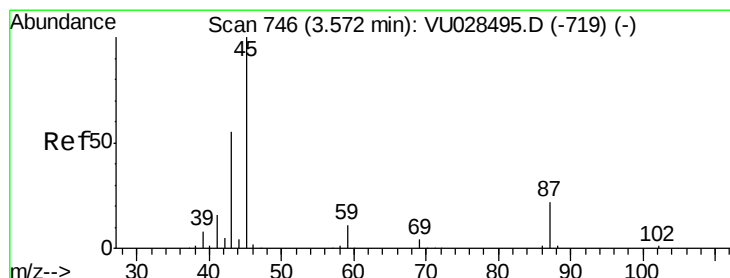
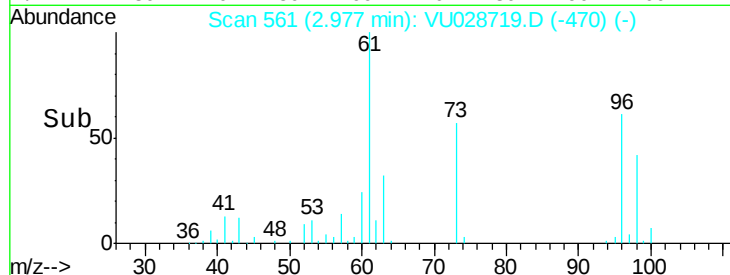
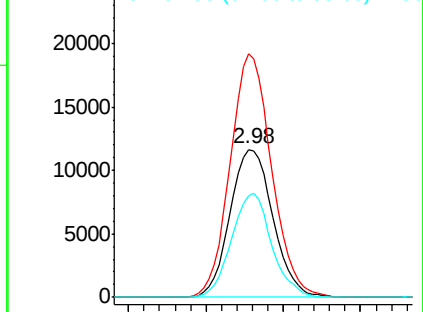


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.710 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion: 45 Resp: 96208

Ion Ratio Lower Upper

45 100

43 58.1 45.3 67.9

87 22.0 17.6 26.4

59 11.1 8.8 13.2

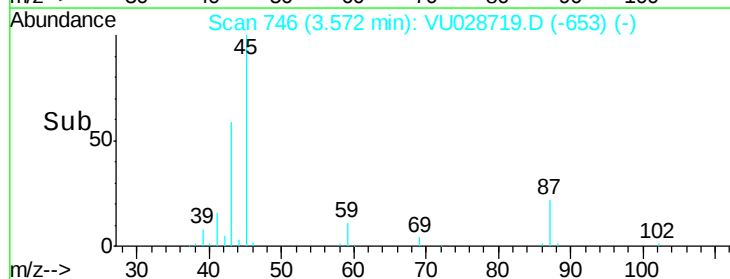
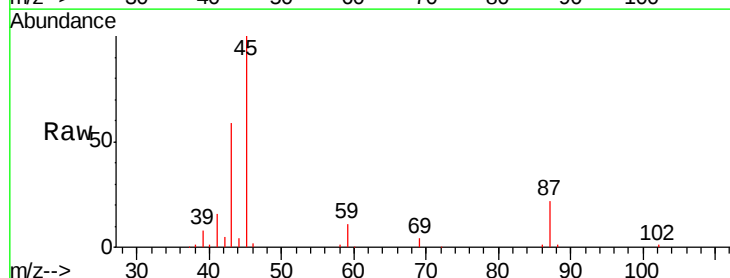
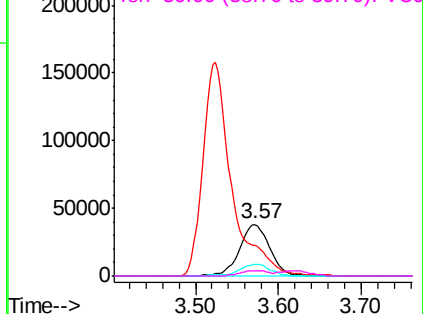
Abundance

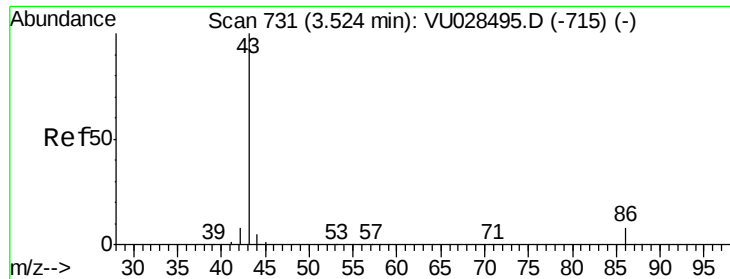
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





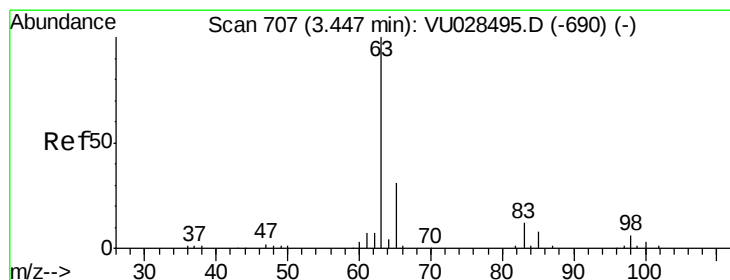
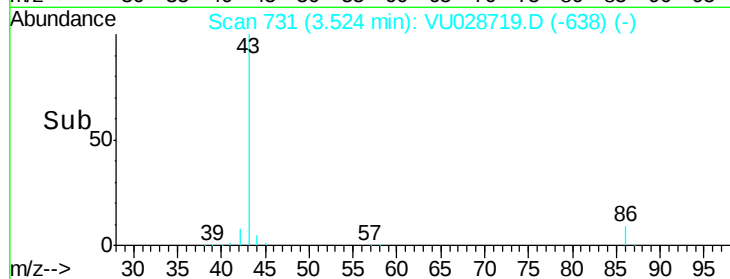
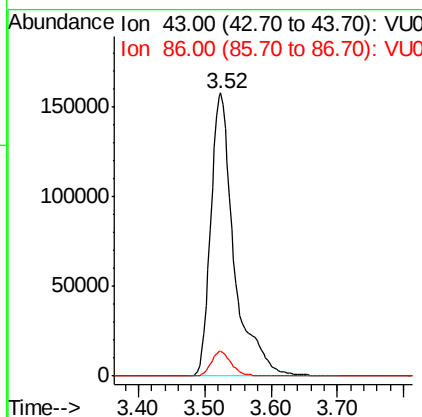
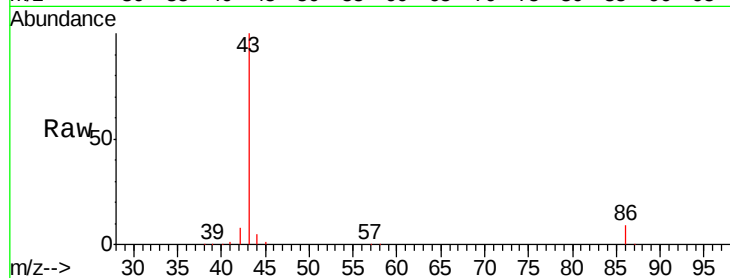
#23
 Vinyl Acetate
 Concen: 100.867 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	386504		
86	8.8	6.8	10.2	

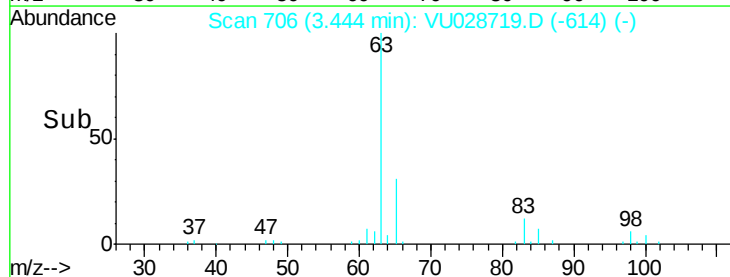
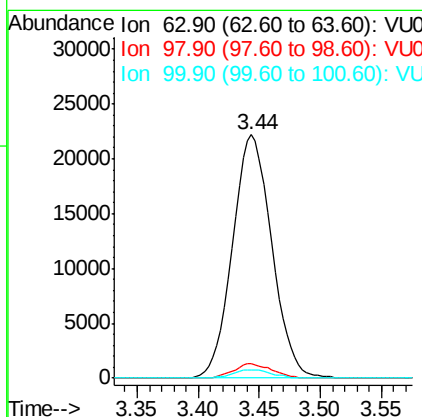
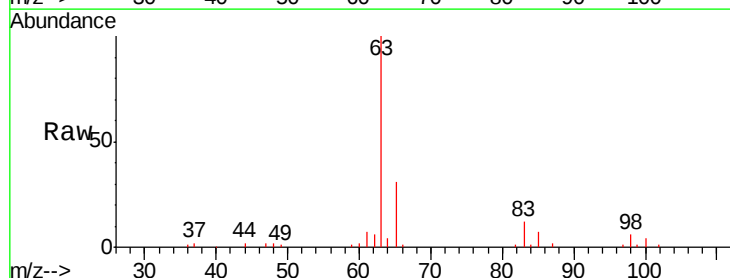
Manual Integrations
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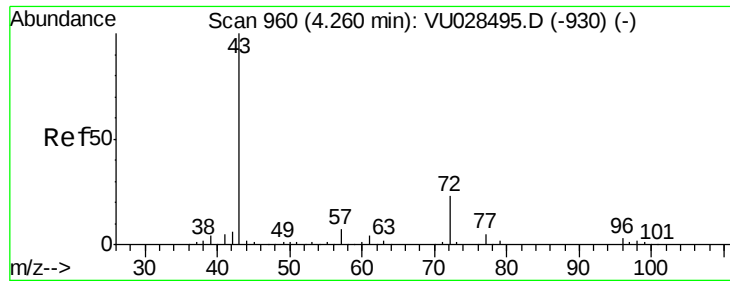
MMDadoda
 12/18/2018 11:31:12 AM



#24
 1,1-Dichloroethane
 Concen: 20.352 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	49490		
98	5.9	3.0	9.2	
100	3.5	1.7	5.1	





#25

2-Butanone

Concen: 97.370 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 43 Resp: 120183

Ion Ratio Lower Upper

43 100

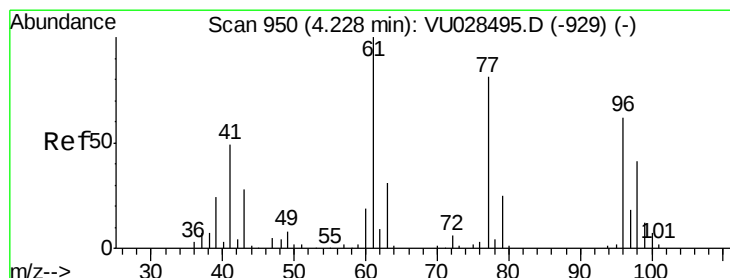
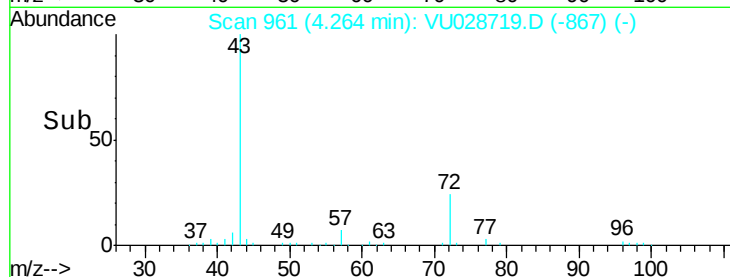
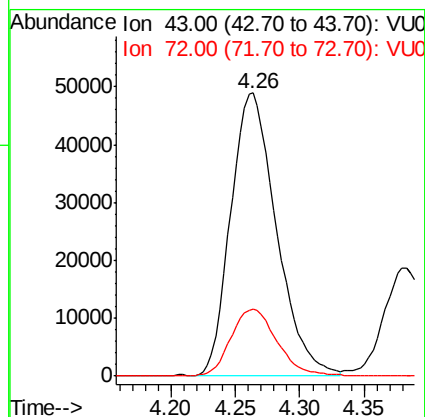
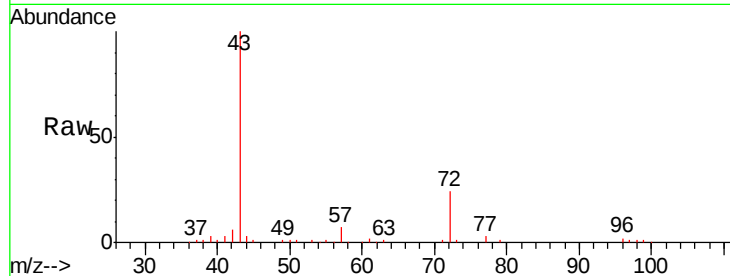
72 23.4 18.6 28.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 18.912 ug/l

RT: 4.23 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028719.D

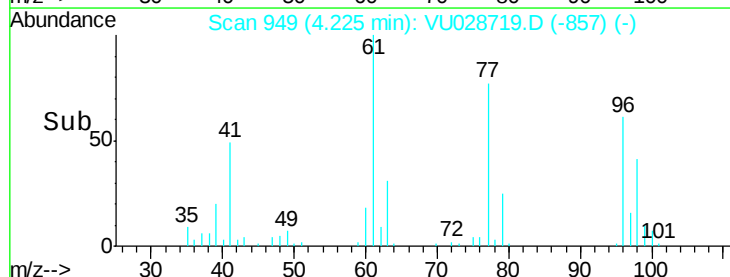
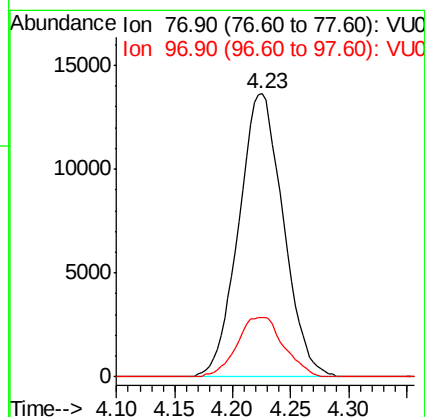
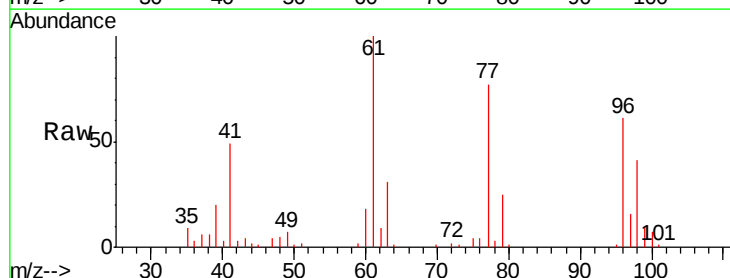
Acq: 17 Dec 2018 14:42

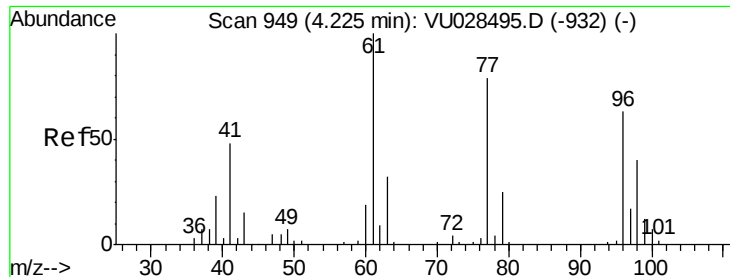
Tgt Ion: 77 Resp: 36440

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0





#27

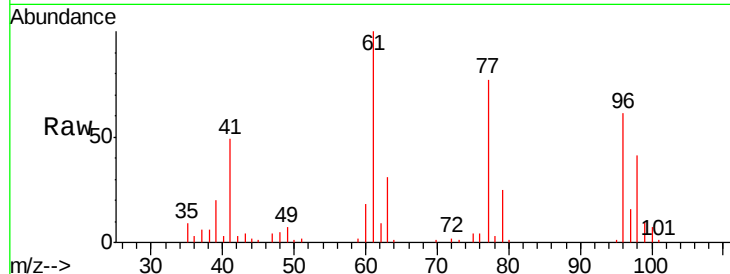
cis-1,2-Dichloroethene
Concen: 20.555 ug/l
RT: 4.23 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

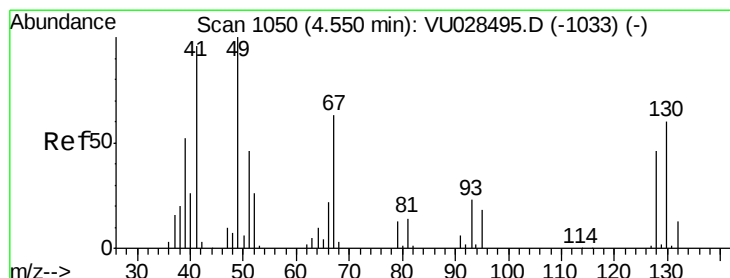
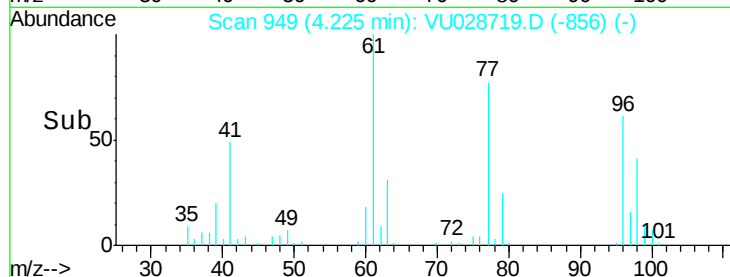
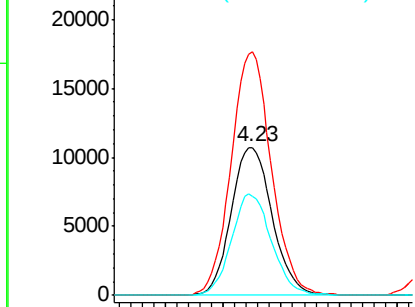
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	26452		
61	160.7	0.0	332.4	
98	66.6	0.0	129.0	

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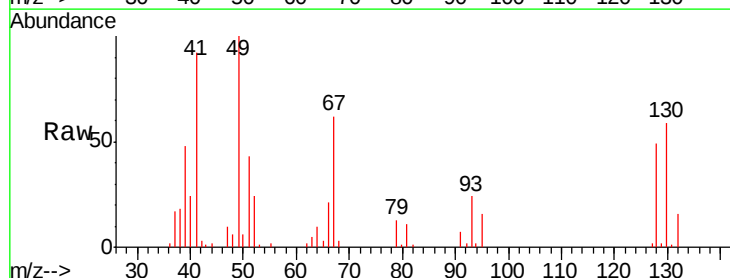
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



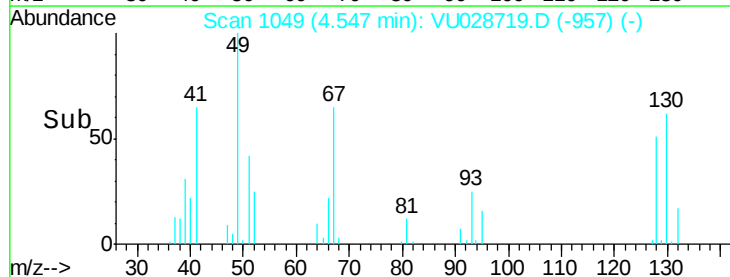
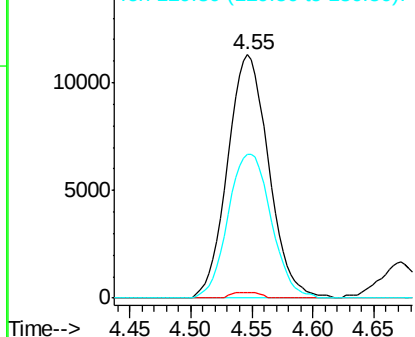
#28

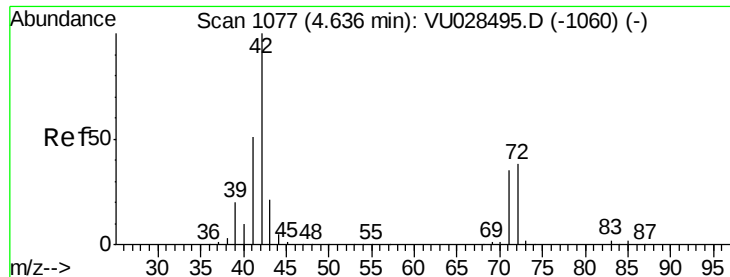
Bromochloromethane
Concen: 23.953 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26479		
129	1.6	0.0	3.0	
130	61.8	47.8	71.8	



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





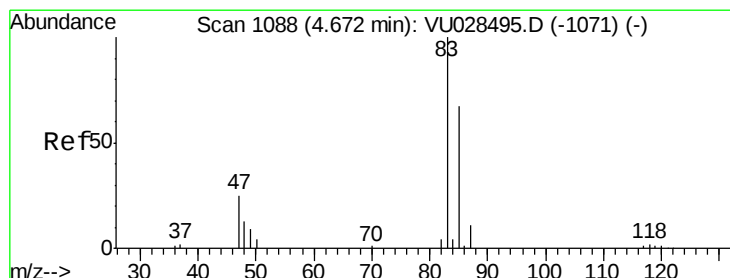
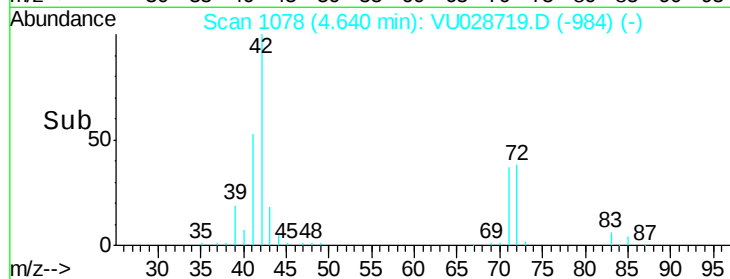
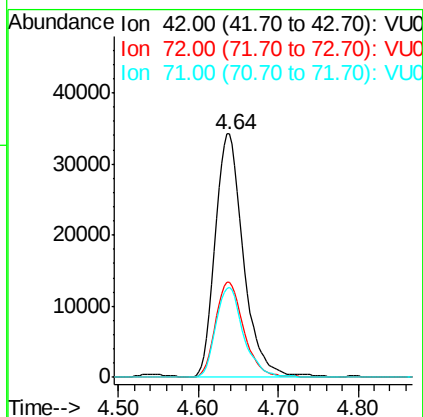
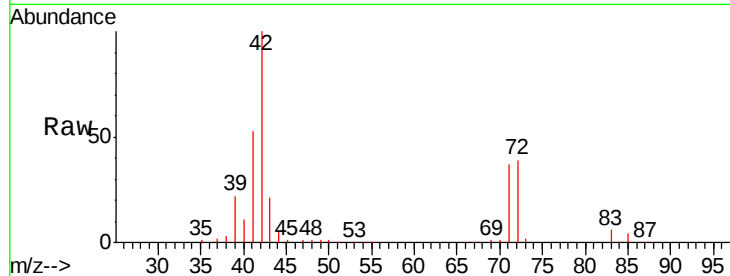
#29
Tetrahydrofuran
Concen: 106.068 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.4	47.0
71	36.0	28.6	43.0

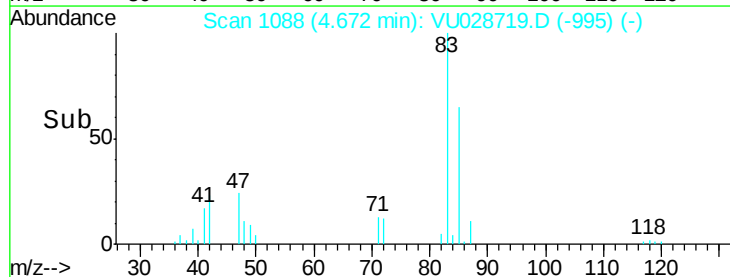
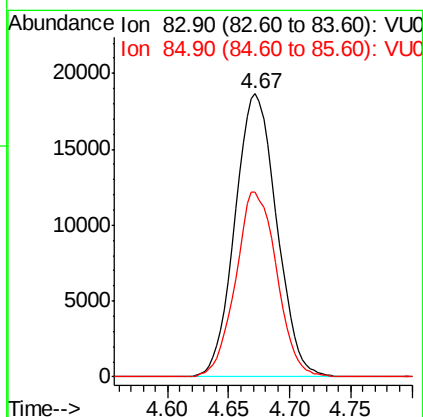
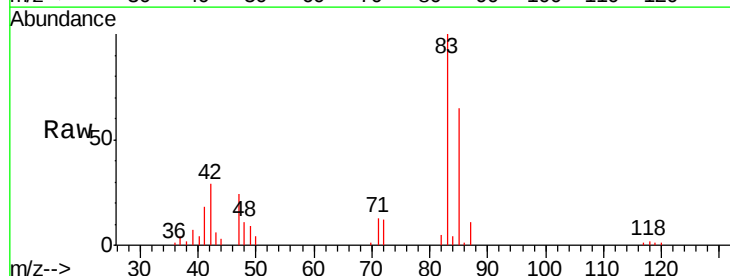
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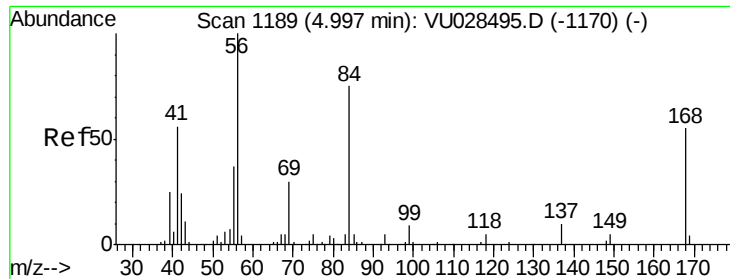
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#30
Chloroform
Concen: 20.848 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.6	80.4





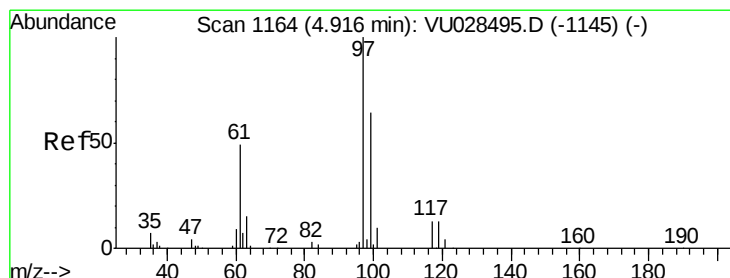
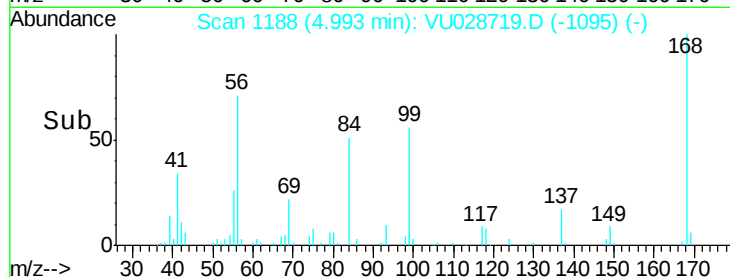
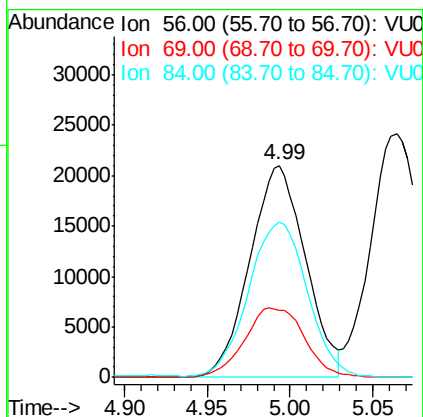
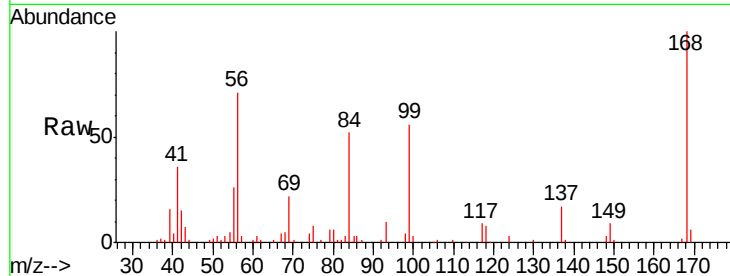
#31
Cyclohexane
Concen: 19.965 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.0	36.0
84	72.5	59.7	89.5

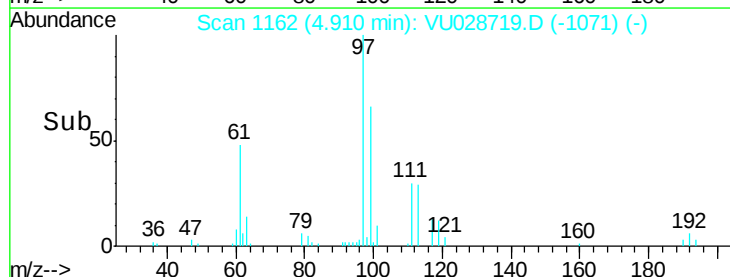
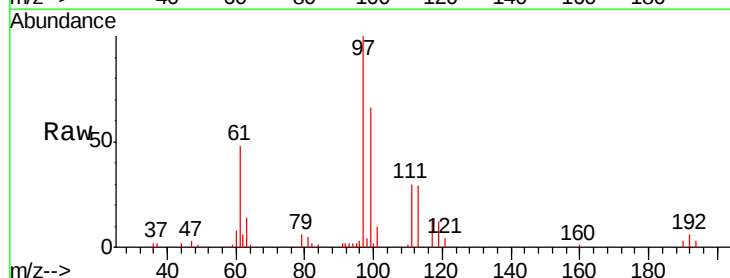
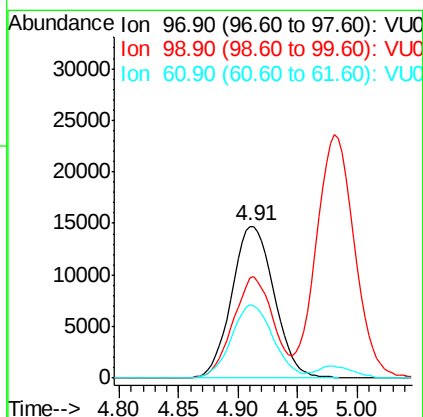
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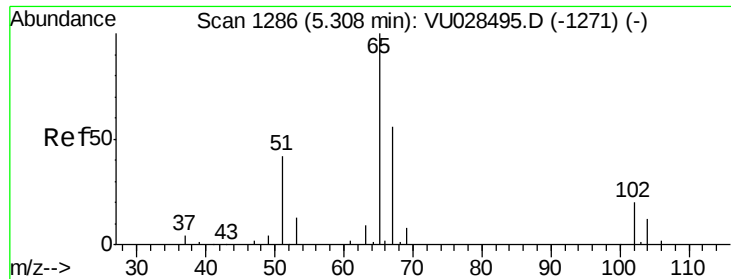
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#32
1,1,1-Trichloroethane
Concen: 20.682 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.3	78.5
61	47.4	39.0	58.6





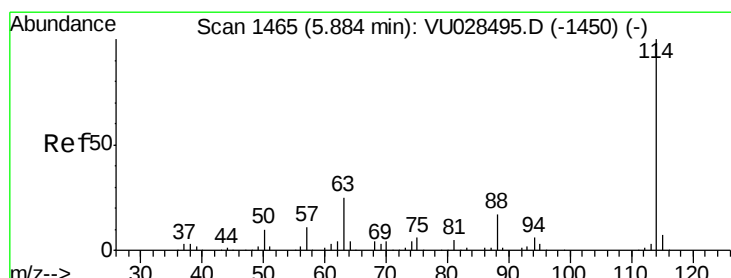
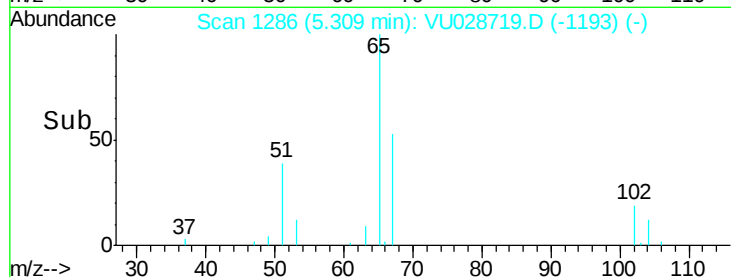
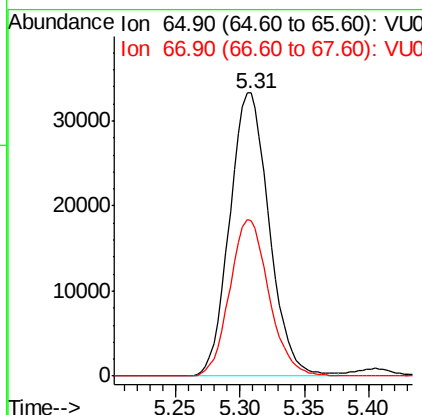
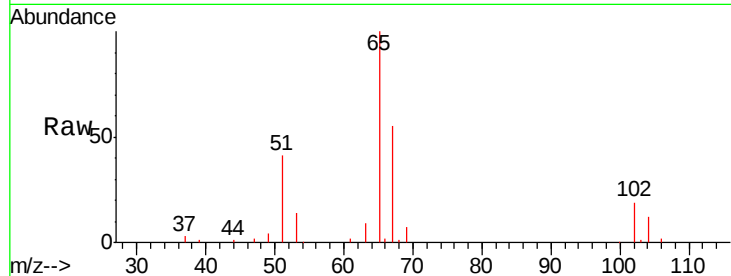
#33
 1,2-Dichloroethane-d4
 Concen: 51.225 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Tgt Ion: 65 Resp: 70900
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6

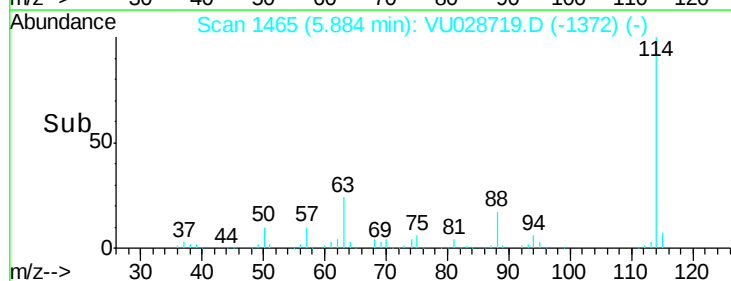
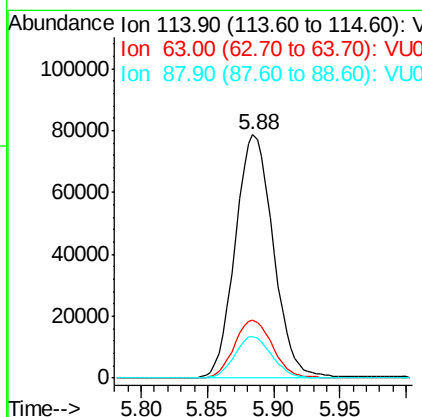
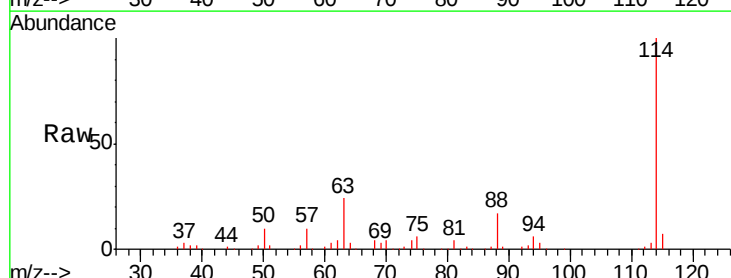
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 114 Resp: 157150
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 49.2
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.655 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

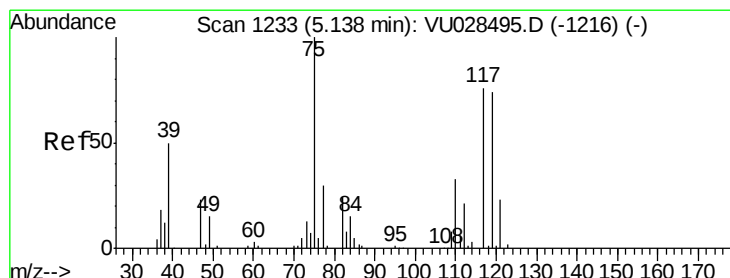
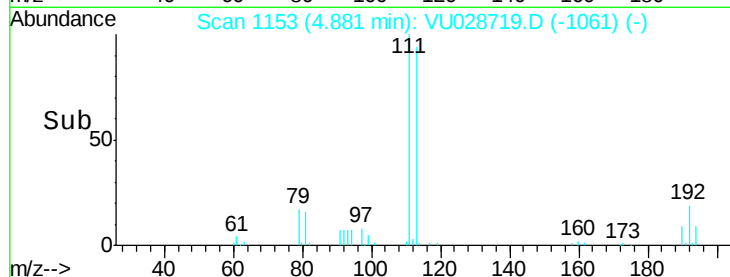
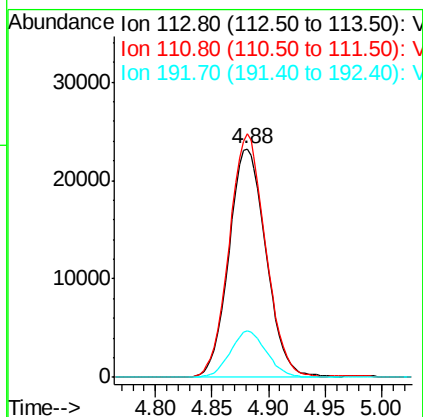
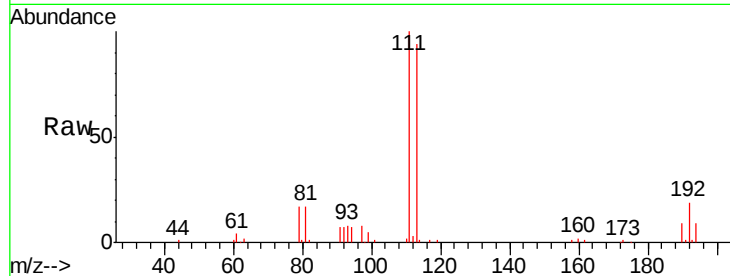
ClientSampleId :

VU1217WBS01

Tgt Ion:	113	Resp:	53062
Ion Ratio	Lower	Upper	
113	100		
111	104.1	83.4	125.0
192	19.6	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 19.706 ug/l

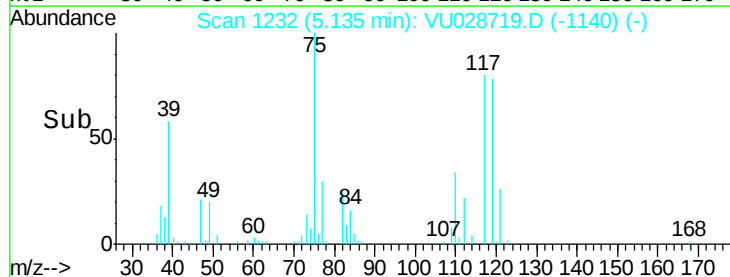
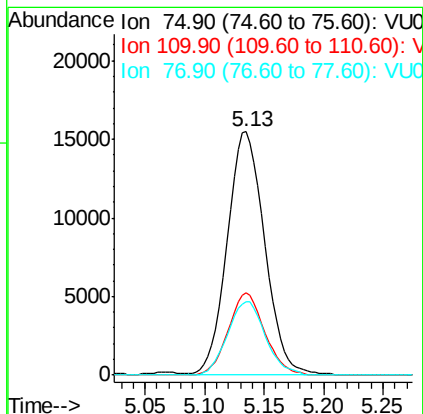
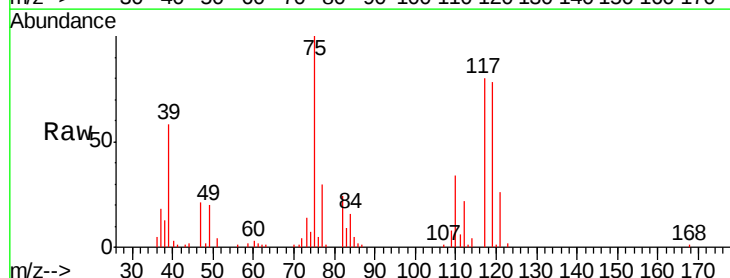
RT: 5.13 min Scan# 1232

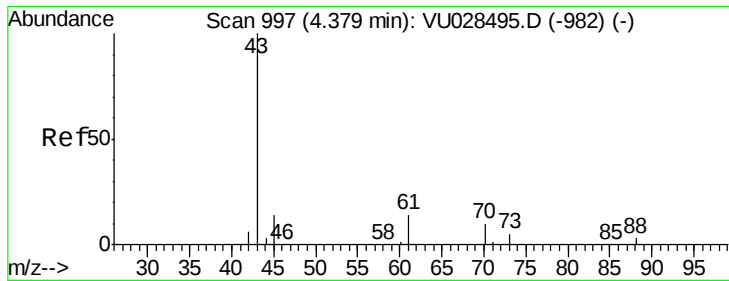
Delta R.T. -0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion:	75	Resp:	33887
Ion Ratio	Lower	Upper	
75	100		
110	32.8	16.1	48.2
77	30.3	24.5	36.7





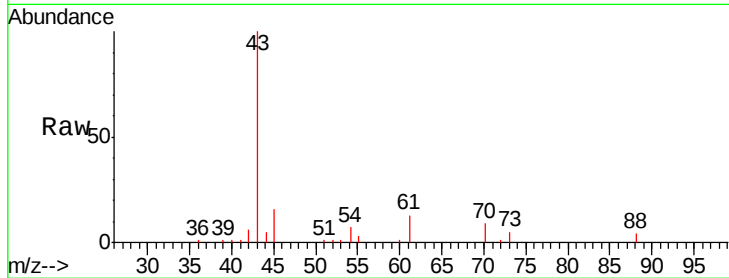
#37
Ethyl Acetate
Concen: 20.304 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

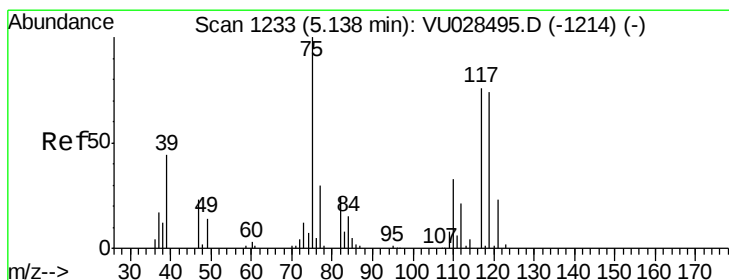
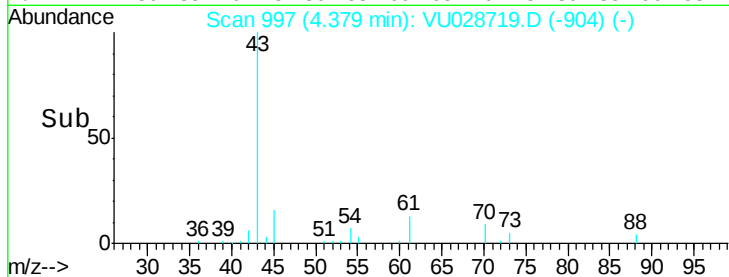
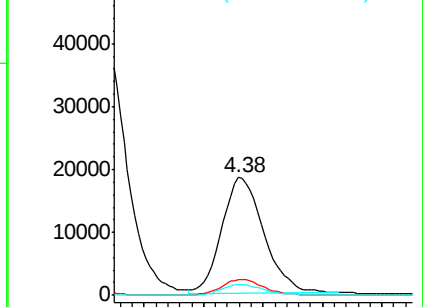
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.4	7.4	11.0

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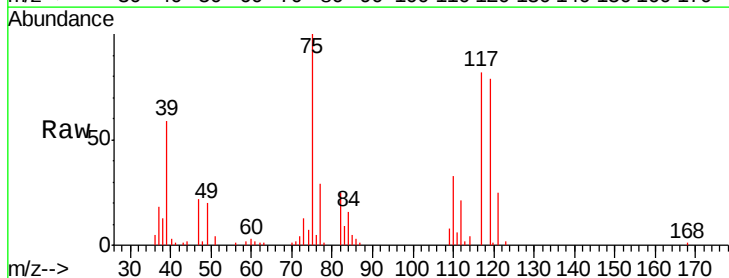


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

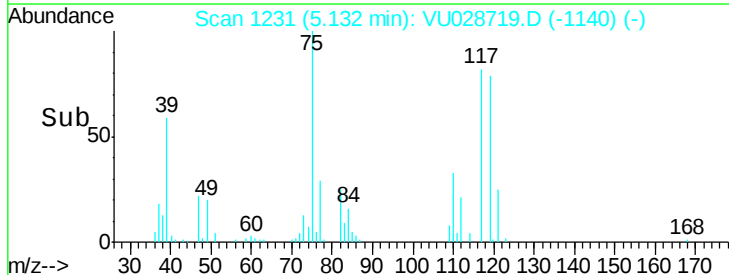
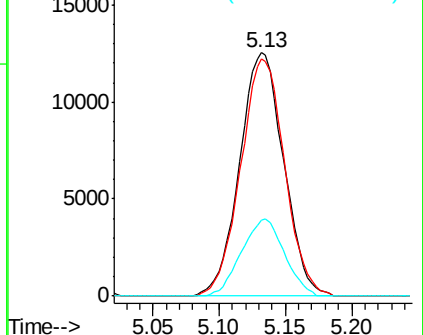


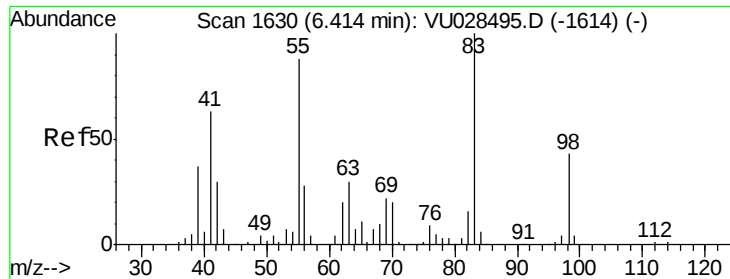
#38
Carbon Tetrachloride
Concen: 20.920 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.6	116.4
121	31.3	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)





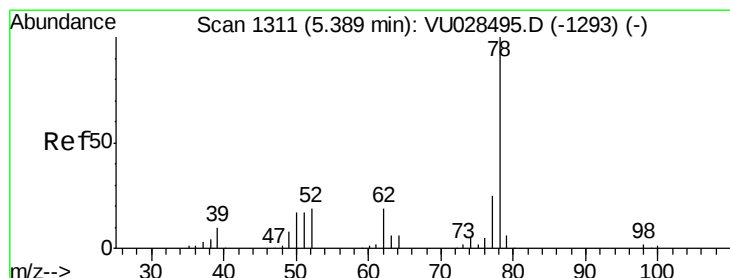
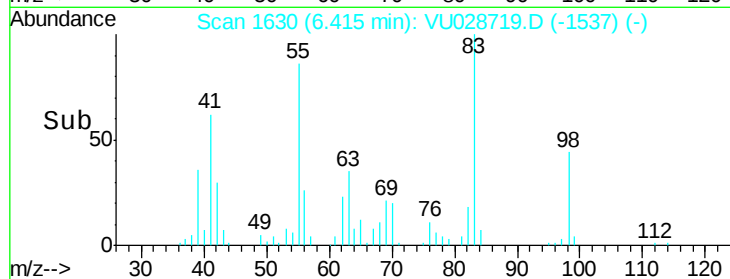
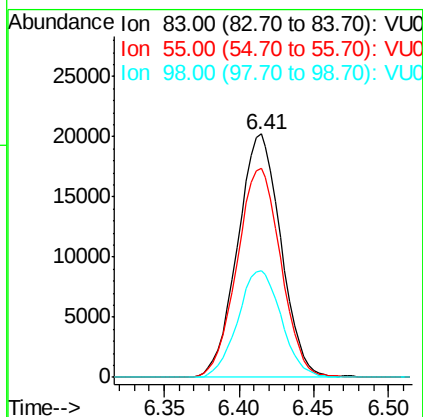
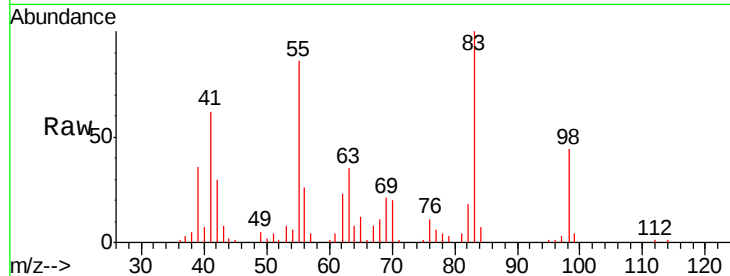
#39
Methylcyclohexane
Concen: 19.374 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.7	70.2	105.2
98	44.0	34.2	51.4

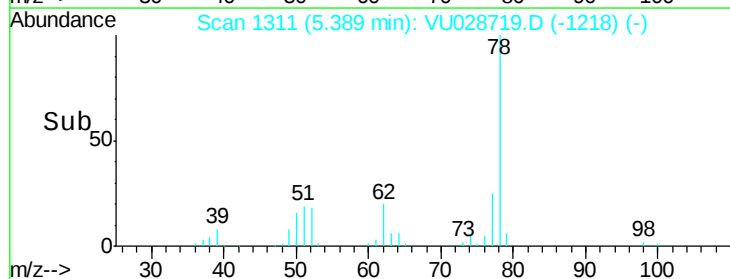
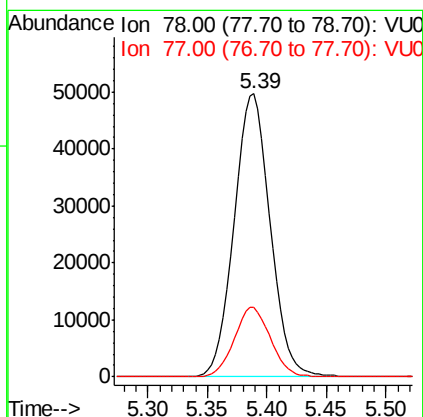
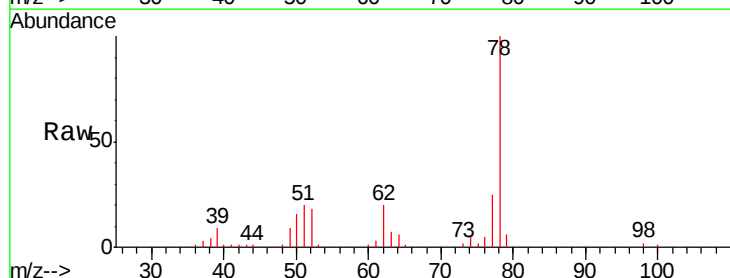
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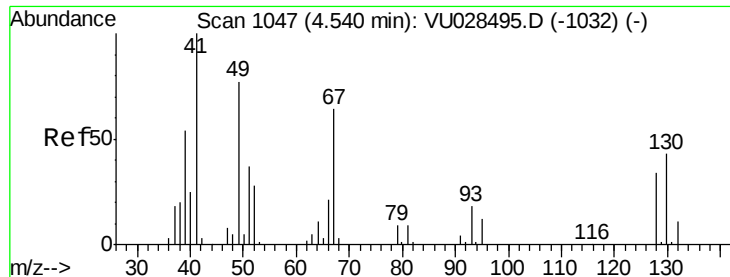
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#40
Benzene
Concen: 20.628 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.9	29.9





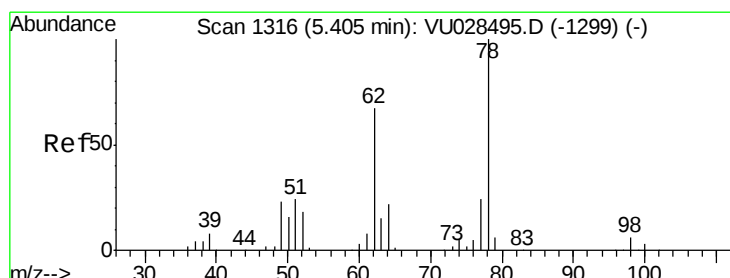
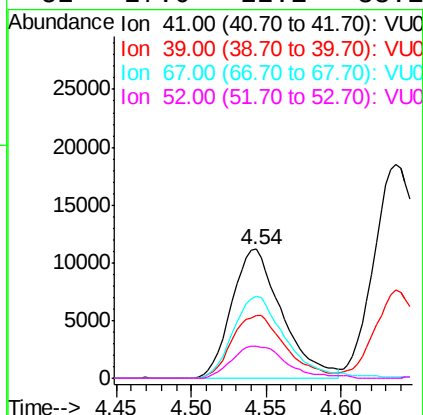
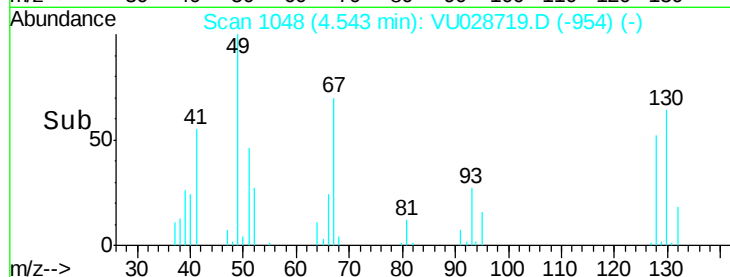
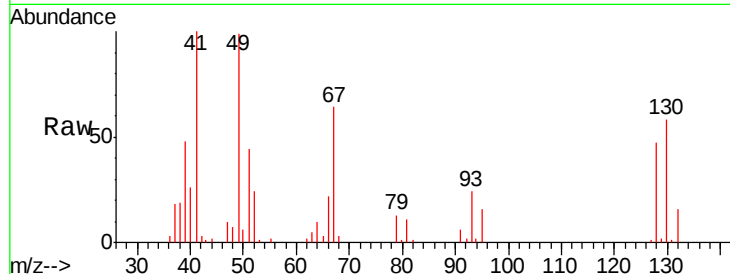
#41
Methacrylonitrile
Concen: 21.501 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	43.3	64.9	
67	66.2	53.6	80.4	
52	27.0	22.1	33.1	

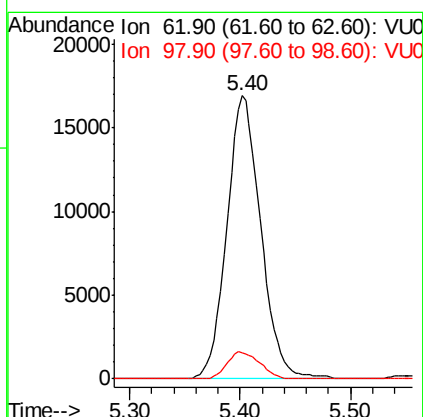
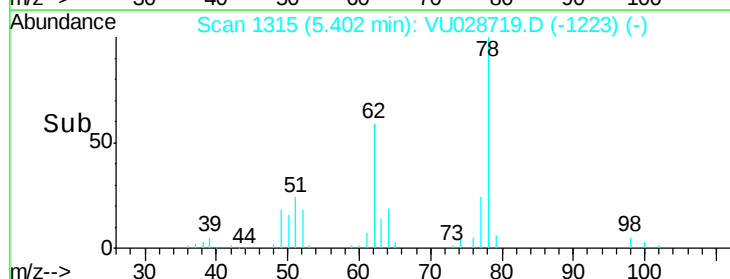
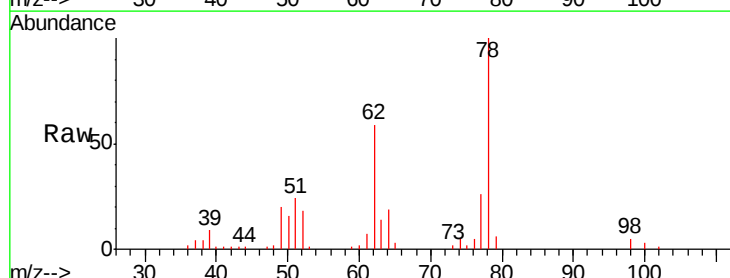
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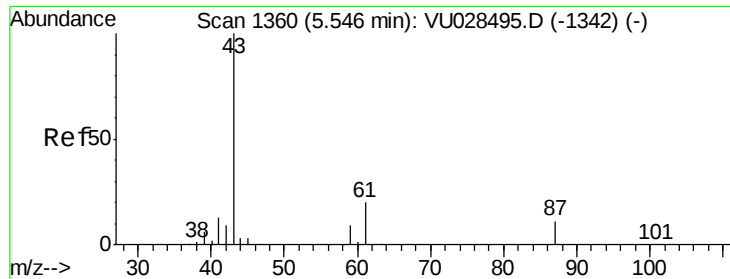
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#42
1,2-Dichloroethane
Concen: 20.333 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.2	





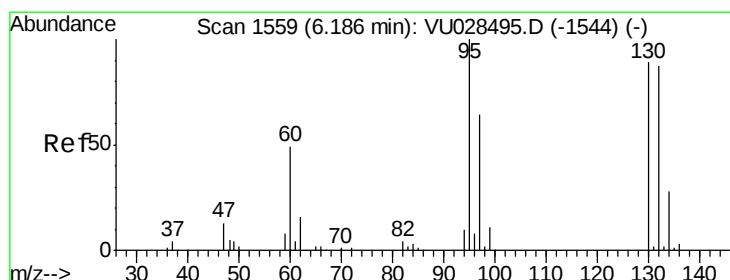
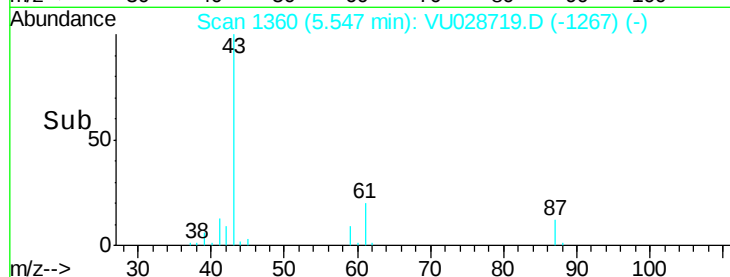
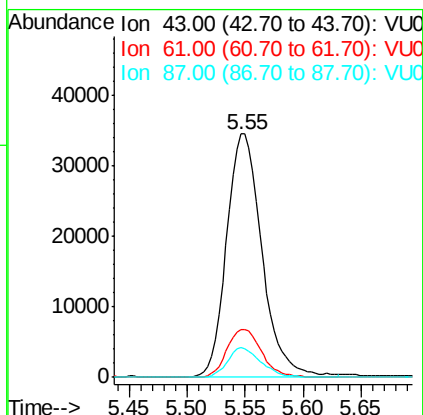
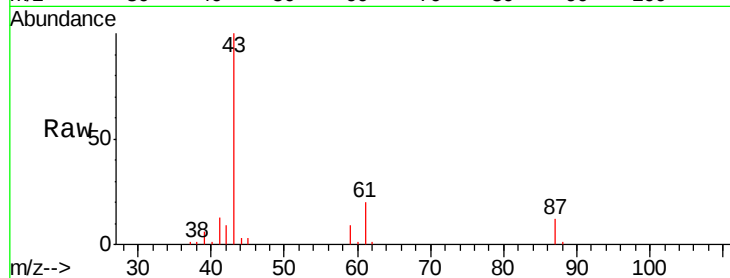
#43
Isopropyl Acetate
Concen: 20.884 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	11.4	8.7	13.1

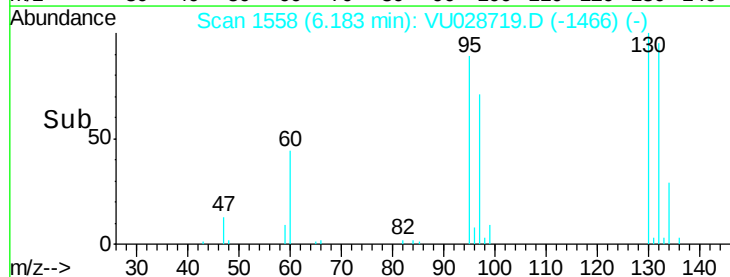
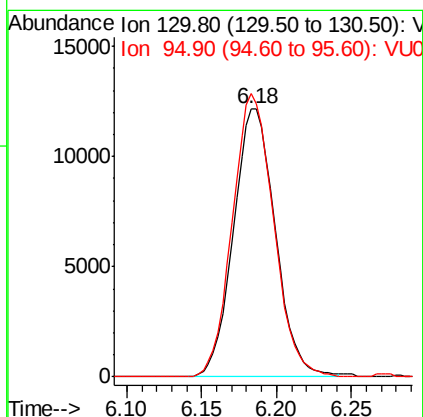
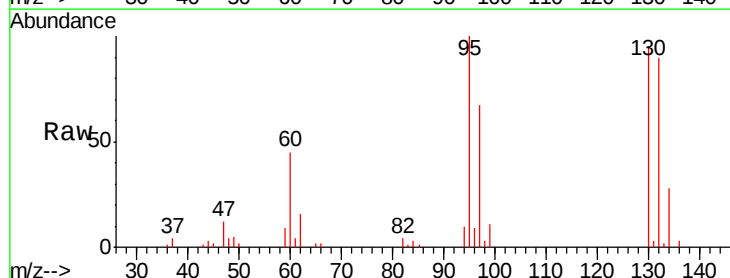
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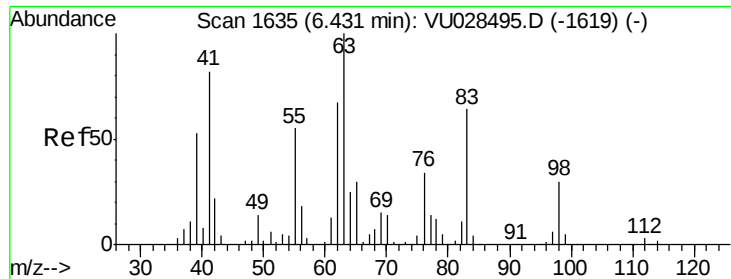
MMDadoda
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#44
Trichloroethene
Concen: 21.087 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	224.0





#45

1,2-Dichloropropane

Concen: 21.331 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 63 Resp: 30381

Ion Ratio Lower Upper

63 100

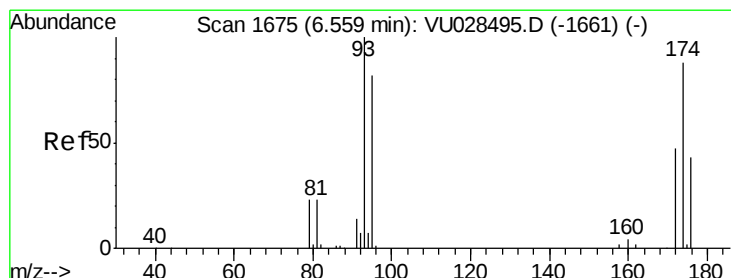
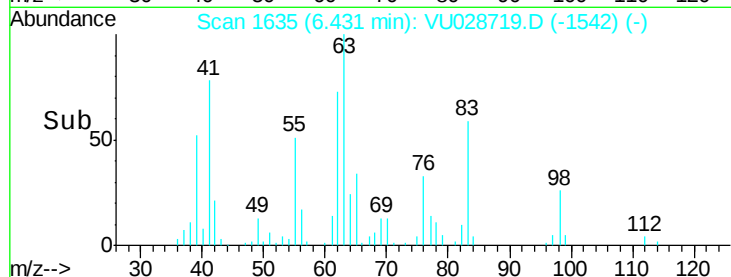
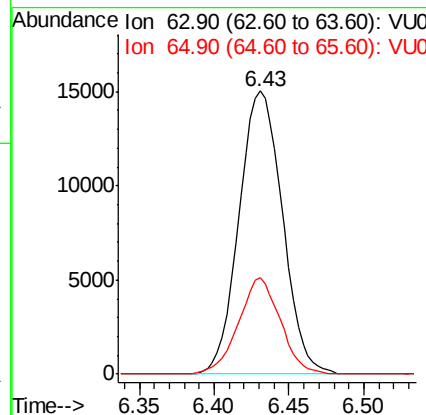
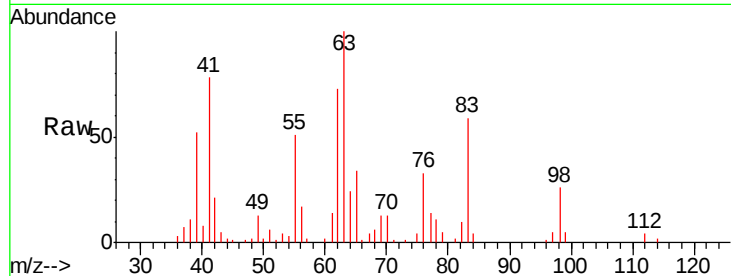
65 33.9 24.2 36.4

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#46

Dibromomethane

Concen: 21.739 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

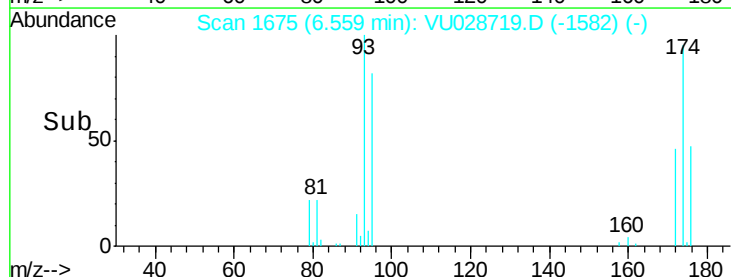
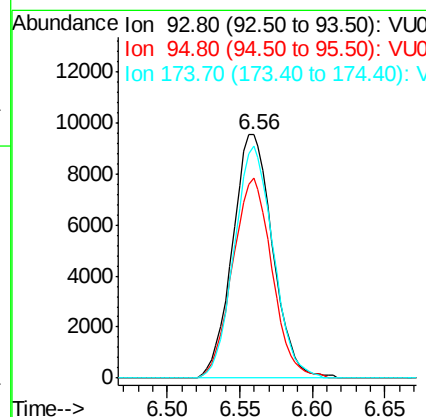
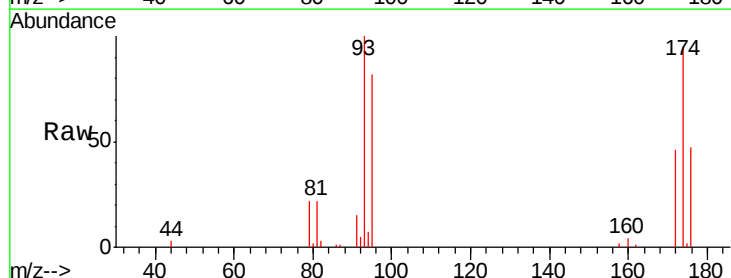
Tgt Ion: 93 Resp: 18371

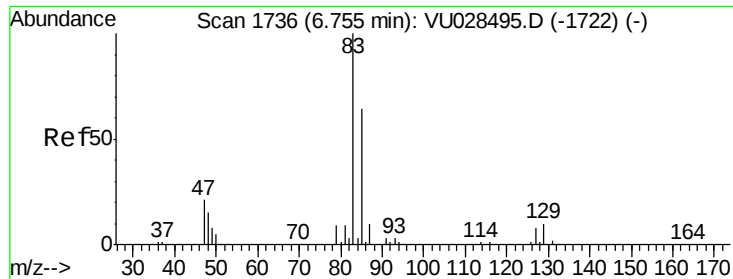
Ion Ratio Lower Upper

93 100

95 80.5 65.4 98.2

174 92.5 72.2 108.4





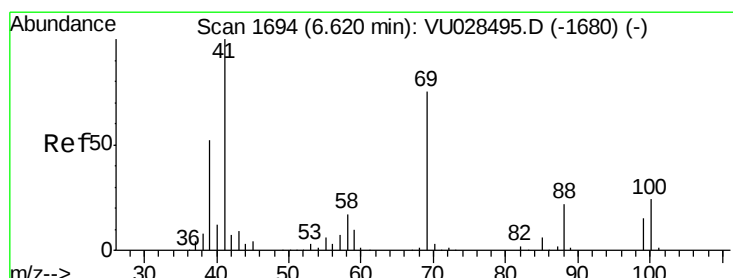
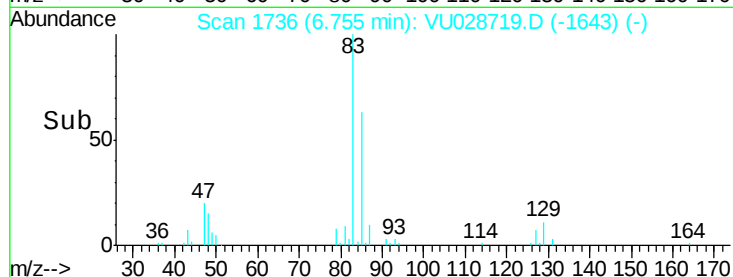
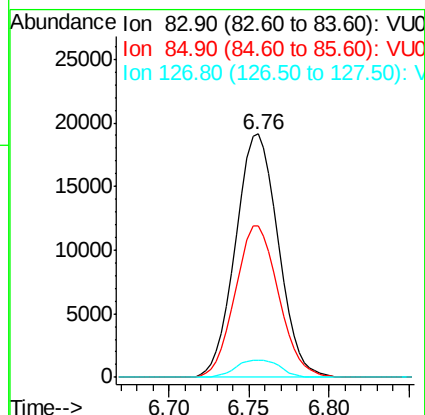
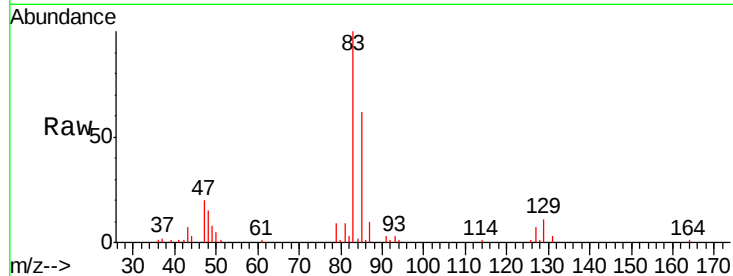
#47
Bromodichloromethane
Concen: 21.200 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3
127	7.2	6.2	9.4

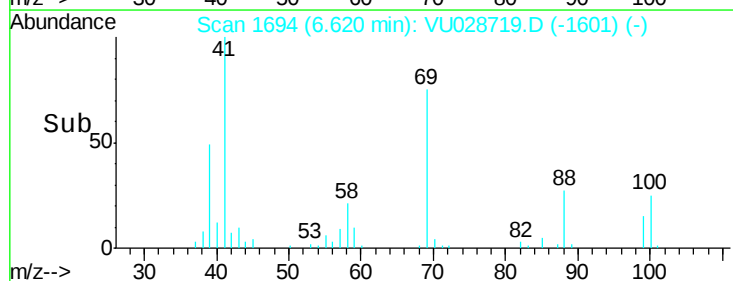
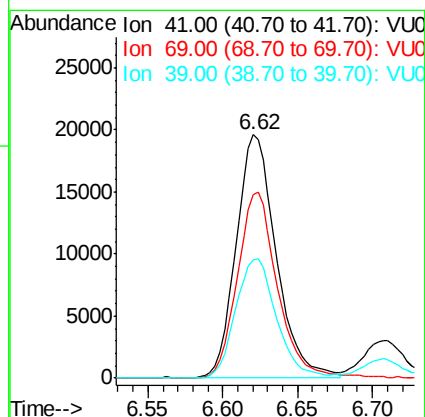
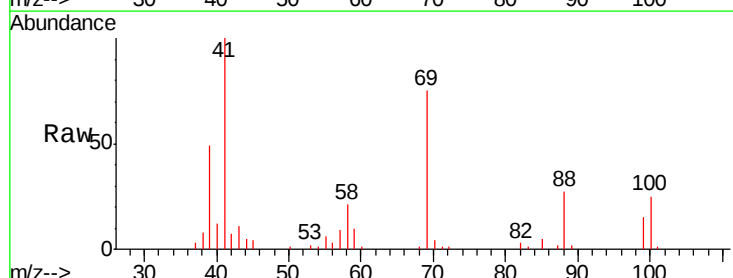
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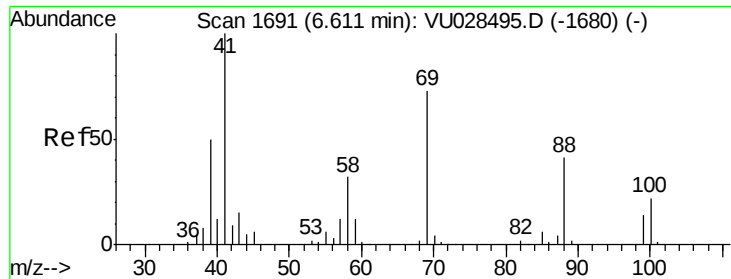
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#48
Methyl methacrylate
Concen: 20.919 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.6	60.4	90.6
39	49.7	41.1	61.7





#49

1,4-Dioxane

Concen: 429.812 ug/l

RT: 6.61 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

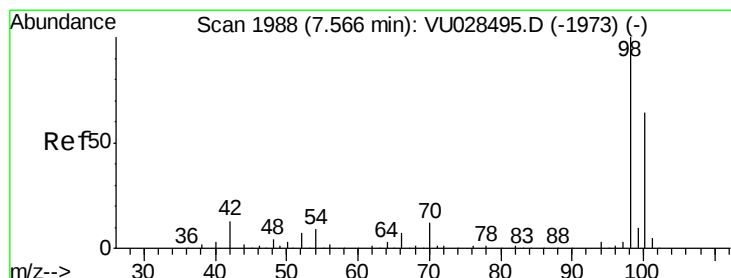
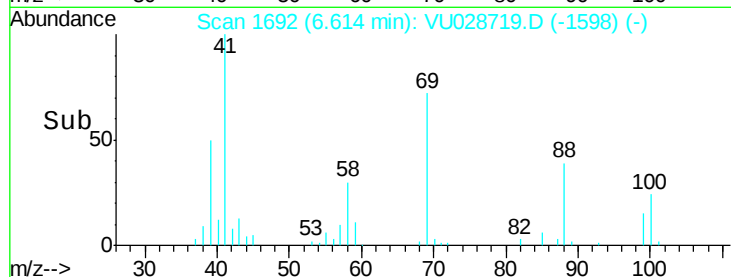
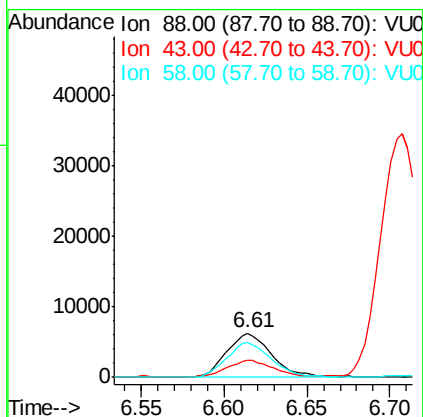
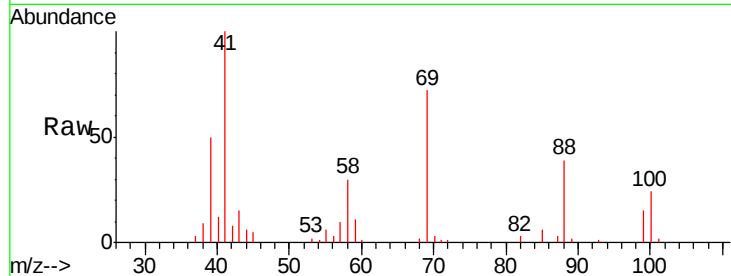
ClientSampleId :

VU1217WBS01

Tgt Ion:	88	Resp:	11867
Ion Ratio	Lower	Upper	
88	100		
43	41.3	30.9	46.3
58	77.6	62.4	93.6

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#50

Toluene-d8

Concen: 53.289 ug/l

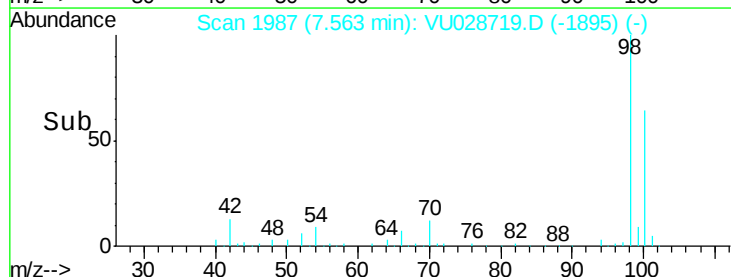
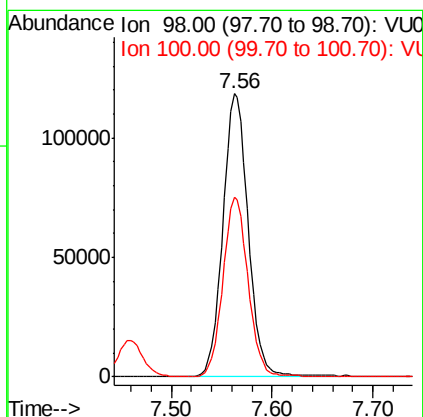
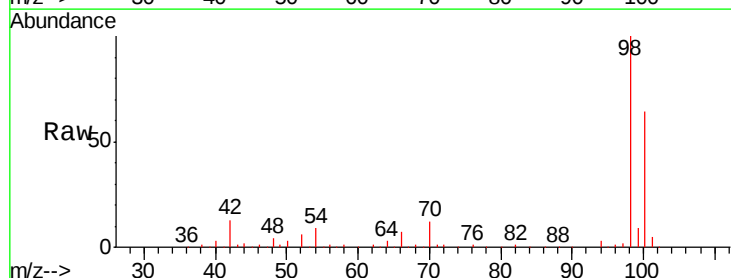
RT: 7.56 min Scan# 1987

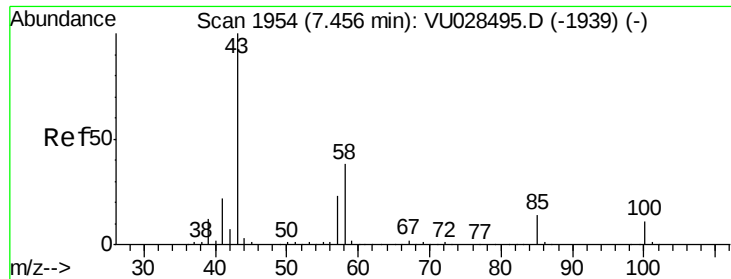
Delta R.T. -0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion:	98	Resp:	208474
Ion Ratio	Lower	Upper	
98	100		
100	62.5	51.0	76.6





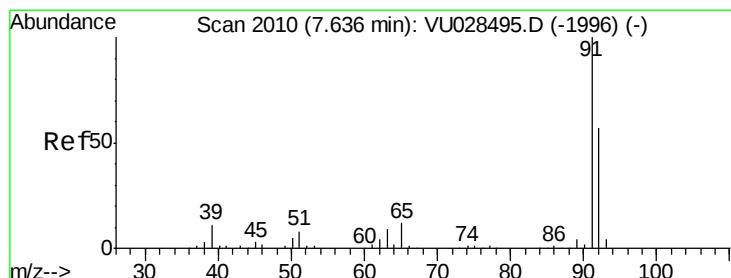
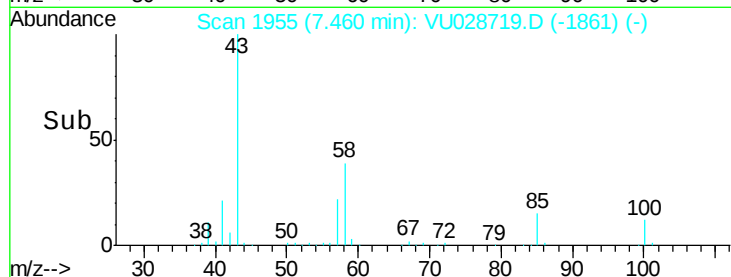
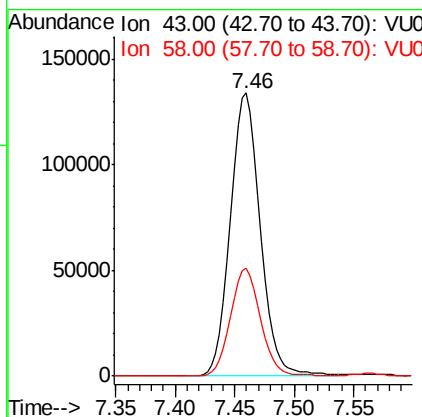
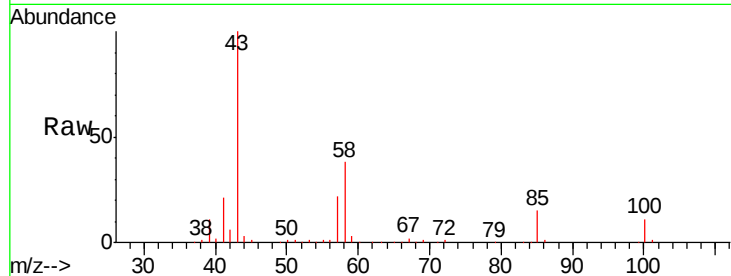
#51
4-Methyl-2-Pentanone
Concen: 105.412 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion: 43 Resp: 233771
Ion Ratio Lower Upper
43 100
58 38.4 30.2 45.2

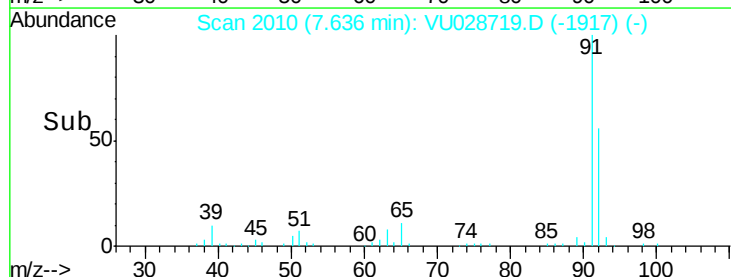
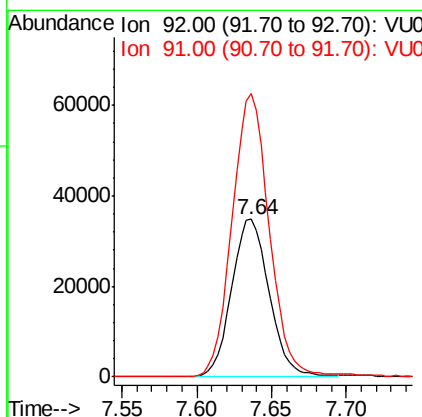
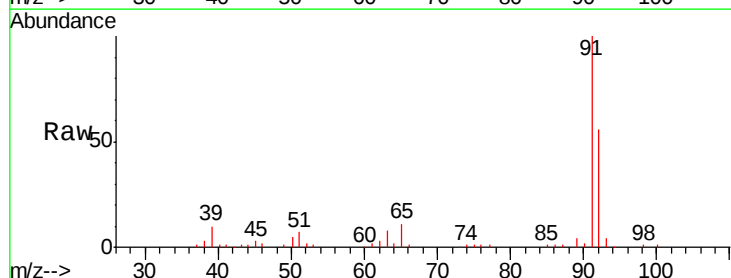
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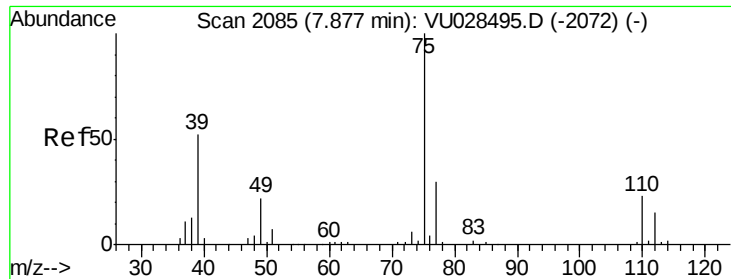
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#52
Toluene
Concen: 20.510 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 92 Resp: 61135
Ion Ratio Lower Upper
92 100
91 178.4 140.2 210.4





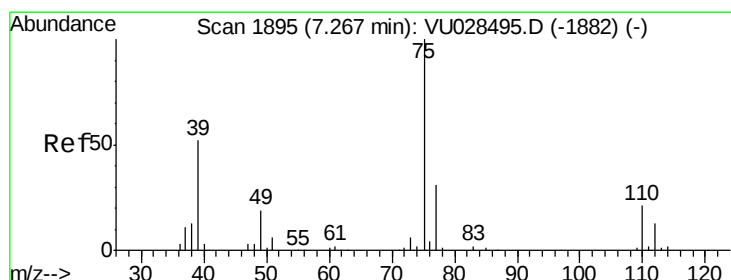
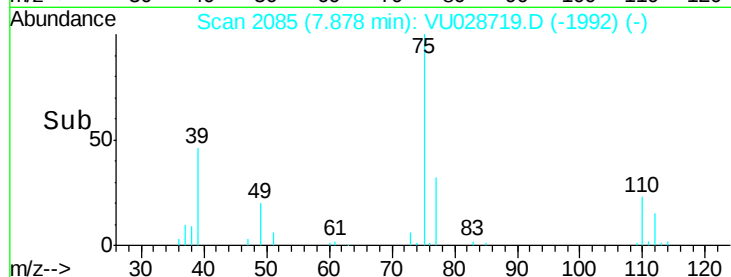
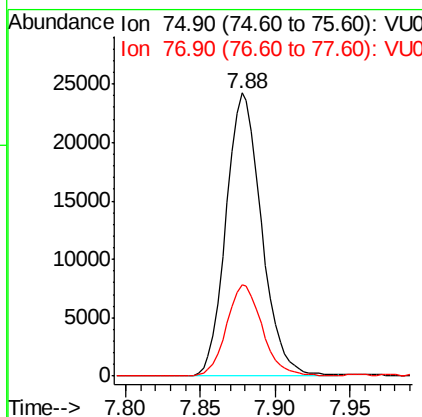
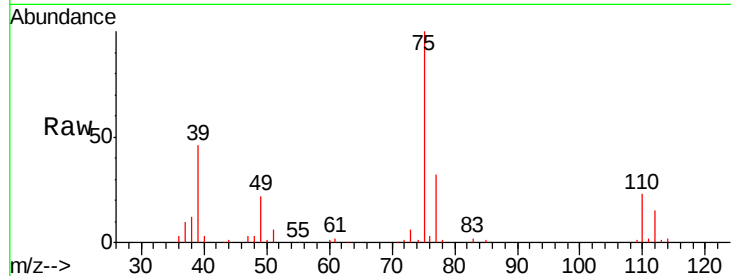
#53
t-1,3-Dichloropropene
Concen: 20.493 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion: 75 Resp: 40136
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.4

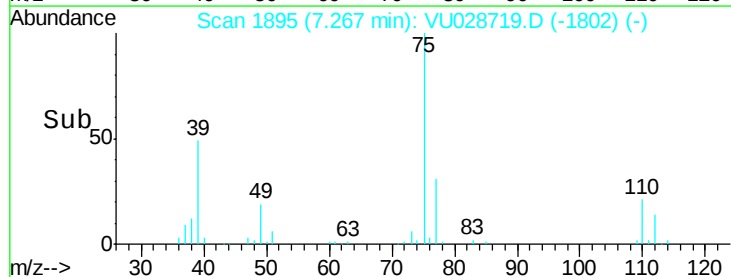
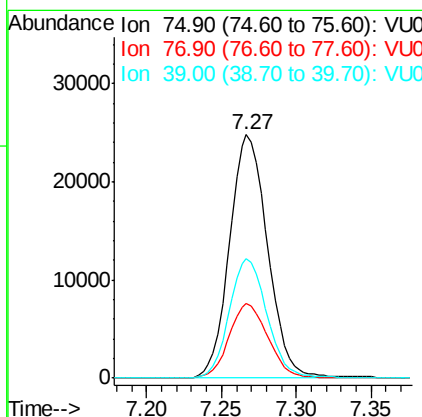
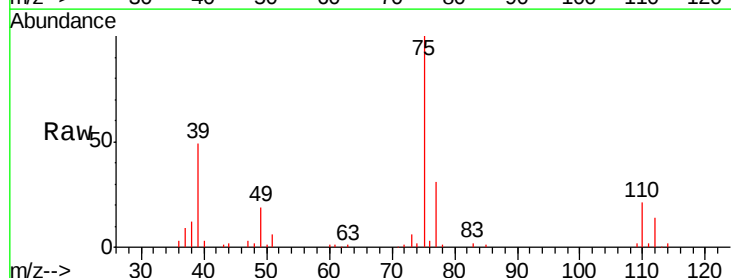
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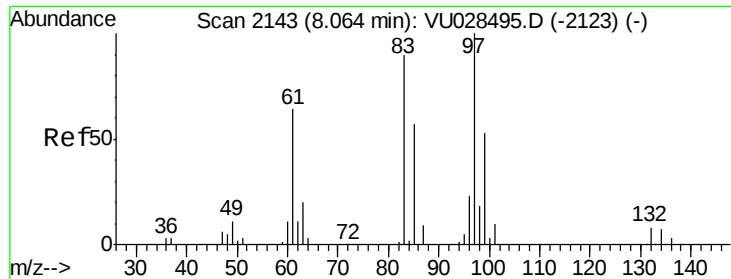
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#54
cis-1,3-Dichloropropene
Concen: 20.651 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 75 Resp: 43880
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4
39 49.2 41.3 61.9





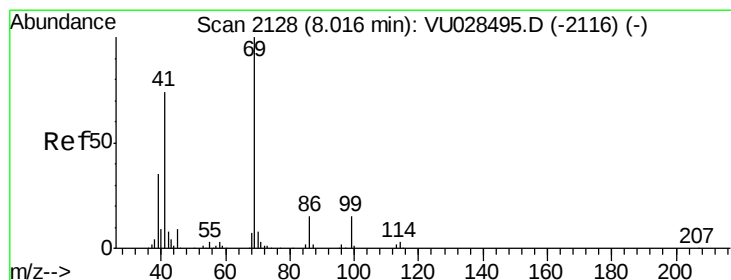
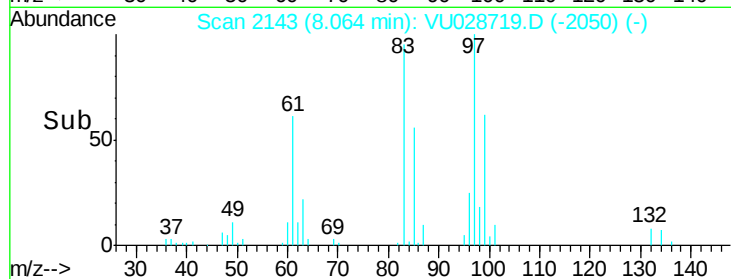
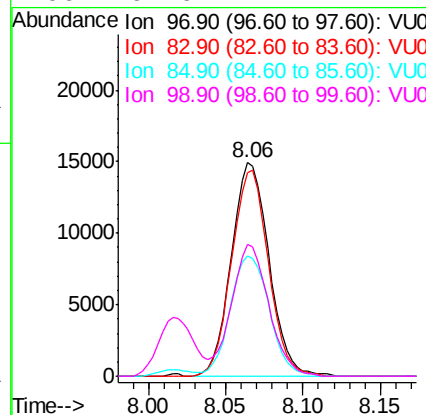
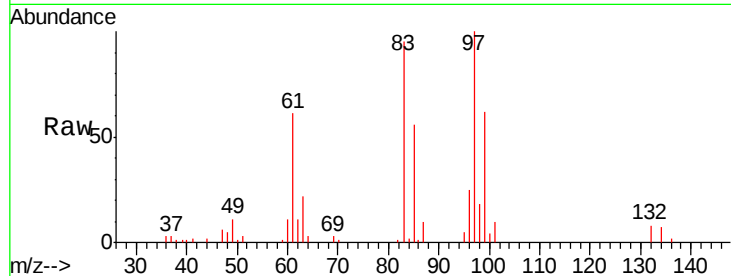
#55
1,1,2-Trichloroethane
Concen: 21.510 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.3	72.4	108.6
85	56.1	46.0	69.0
99	61.6	47.4	71.2

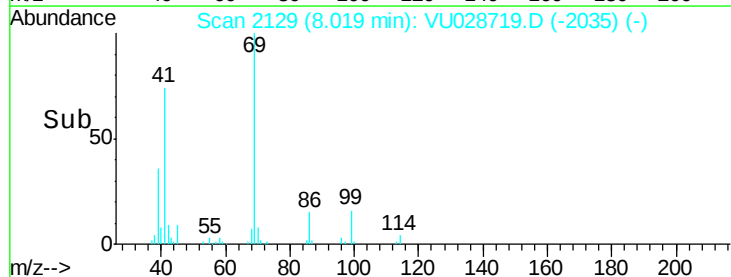
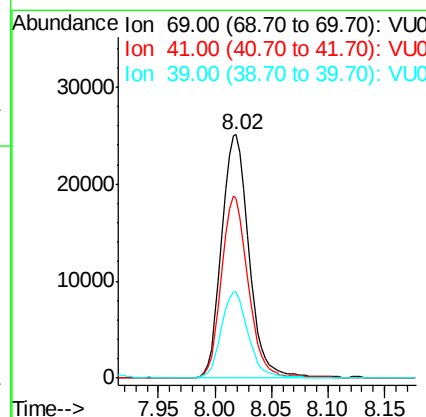
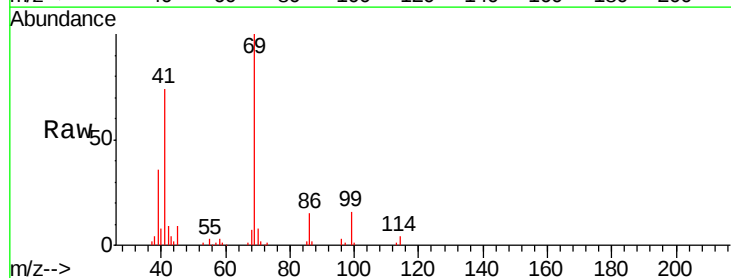
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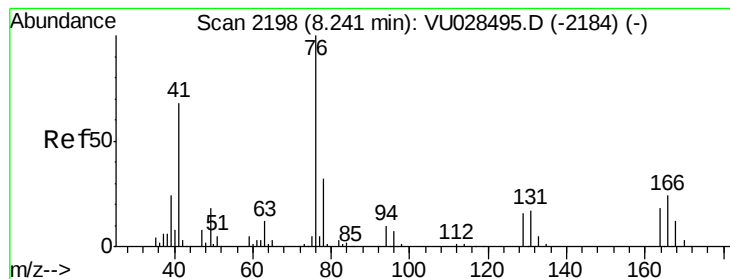
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#56
Ethyl methacrylate
Concen: 21.103 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.0	59.1	88.7
39	34.8	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.935 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 76 Resp: 45790

Ion Ratio Lower Upper

76 100

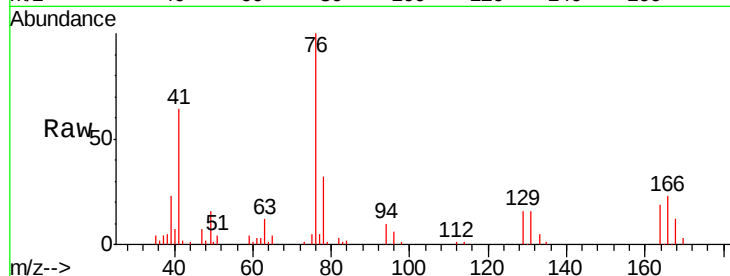
78 32.4 25.2 37.8

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

30000

25000

20000

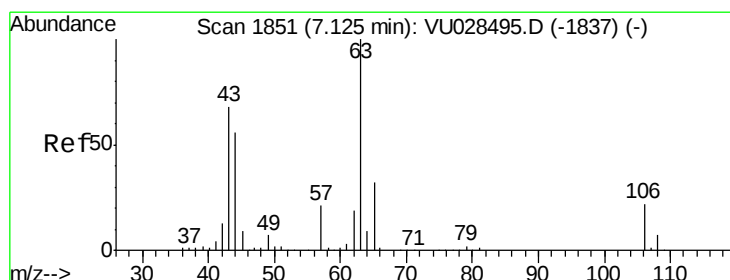
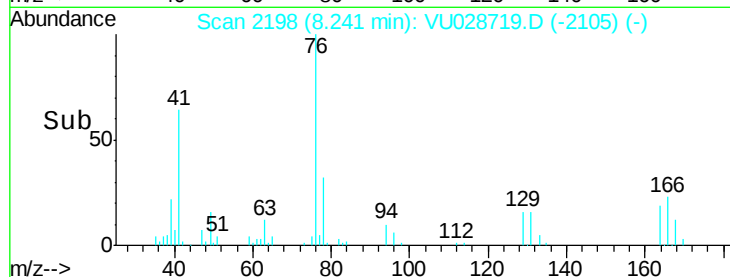
15000

10000

5000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 102.223 ug/l

RT: 7.13 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VU028719.D

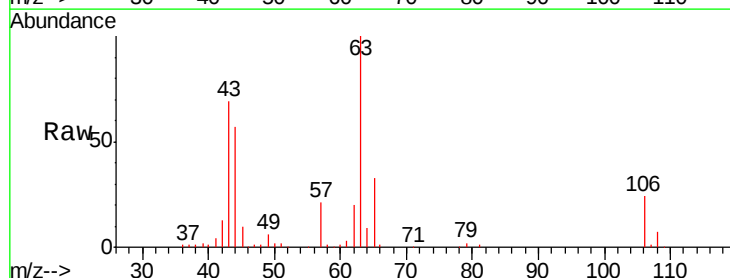
Acq: 17 Dec 2018 14:42

Tgt Ion: 63 Resp: 105646

Ion Ratio Lower Upper

63 100

106 22.1 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

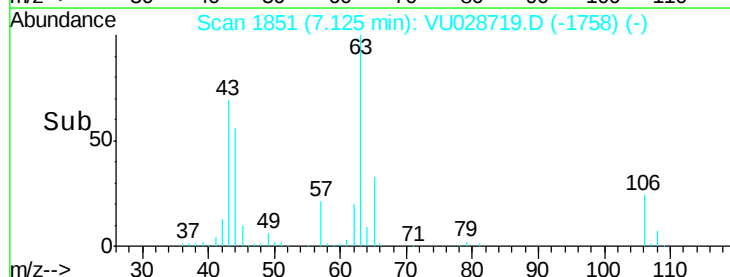
60000

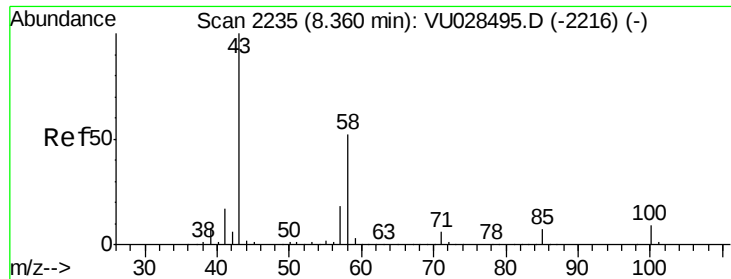
40000

20000

0

Time--> 7.05 7.10 7.15 7.20 7.25





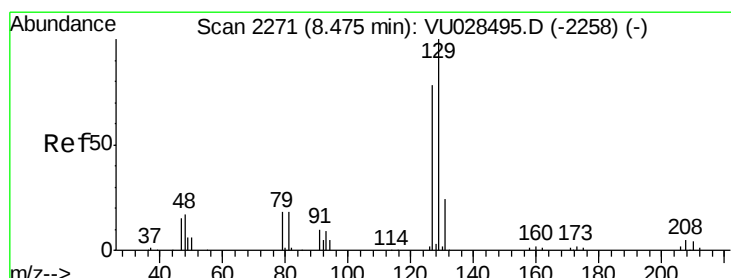
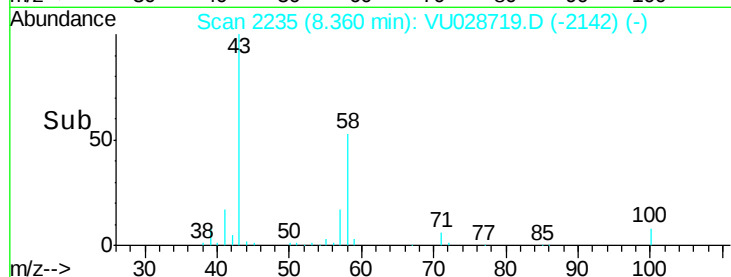
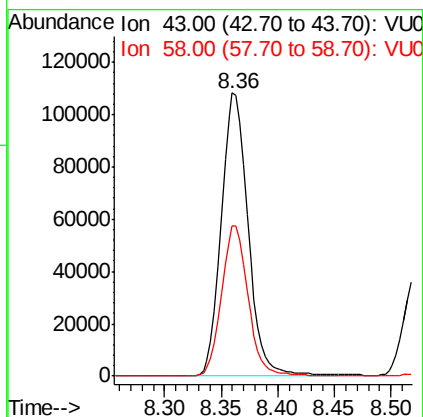
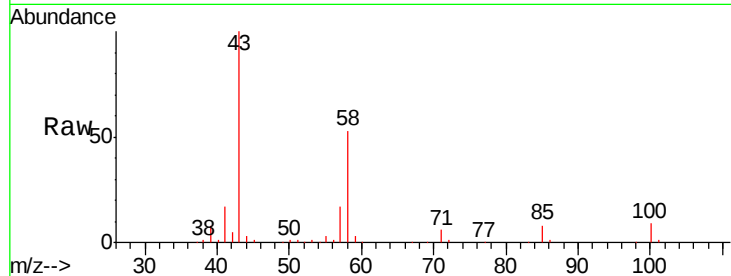
#59
2-Hexanone
Concen: 102.057 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion: 43 Resp: 179390
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.6

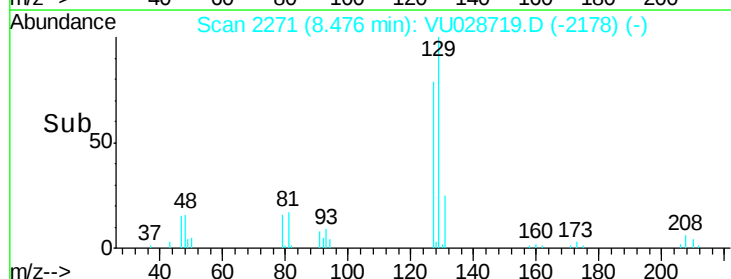
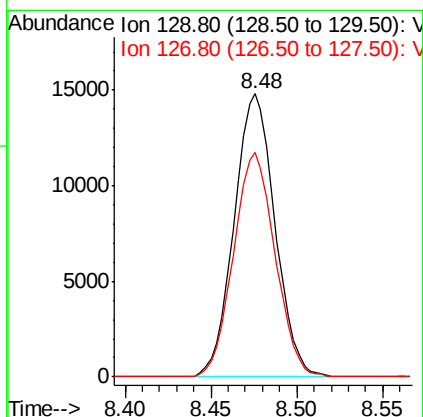
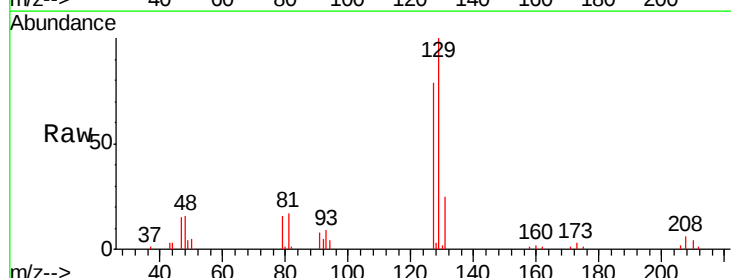
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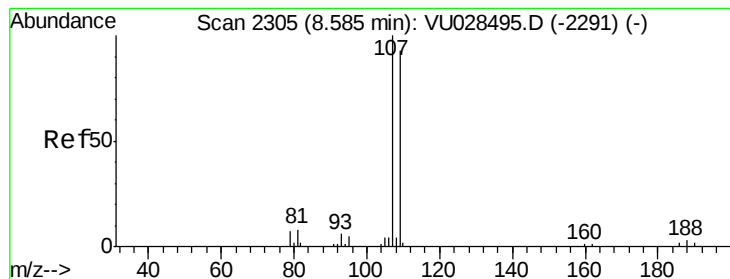
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#60
Dibromochloromethane
Concen: 21.178 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 129 Resp: 24431
Ion Ratio Lower Upper
129 100
127 80.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.744 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 107 Resp: 26867

Ion Ratio Lower Upper

107 100

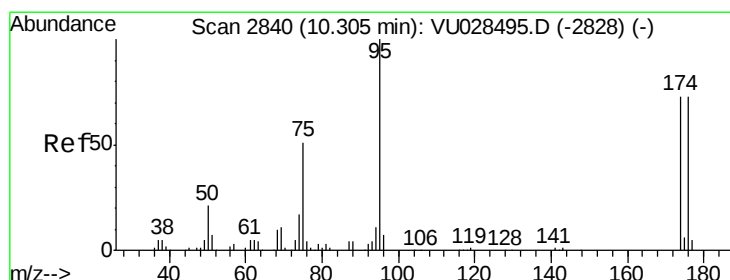
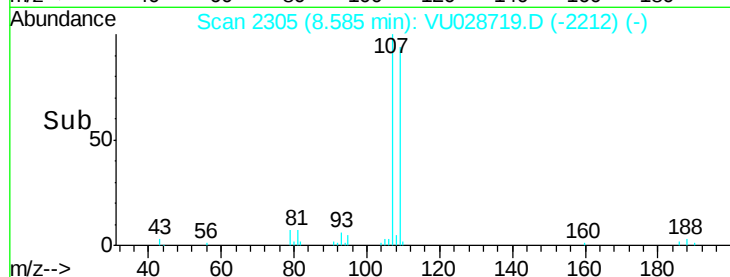
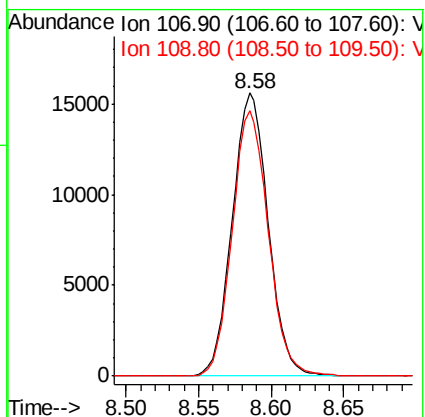
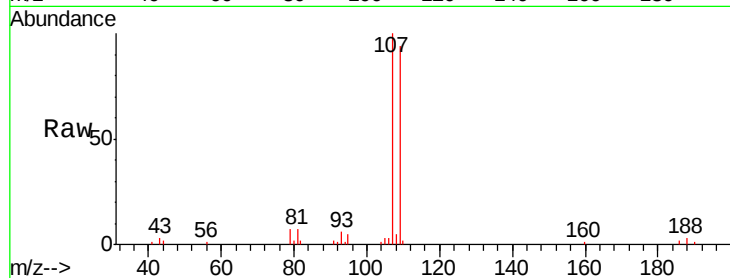
109 94.1 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 50.842 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

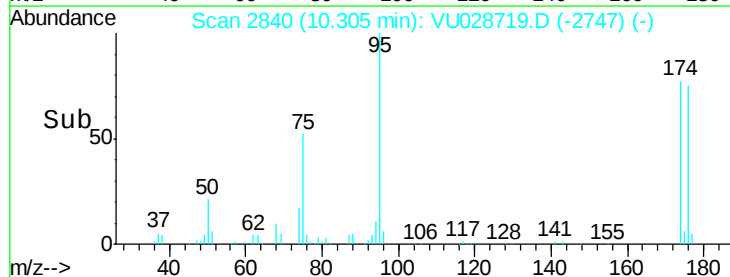
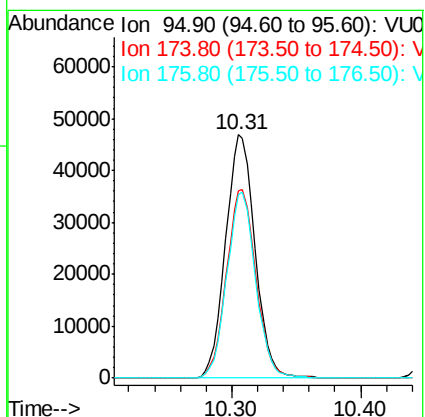
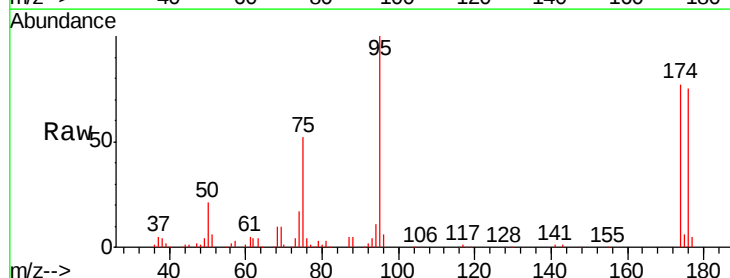
Tgt Ion: 95 Resp: 74342

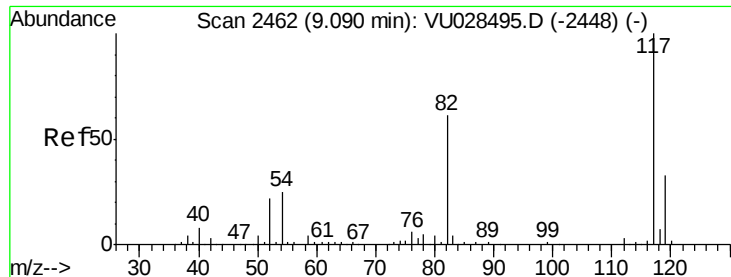
Ion Ratio Lower Upper

95 100

174 77.6 0.0 150.4

176 74.8 0.0 145.2





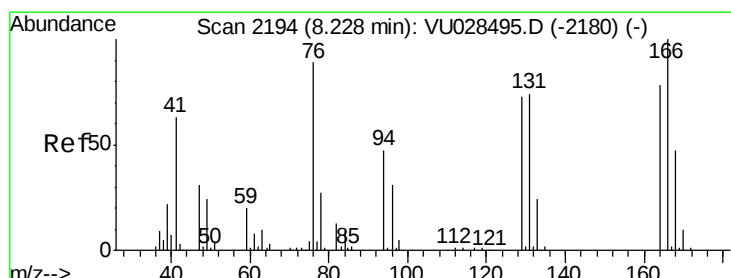
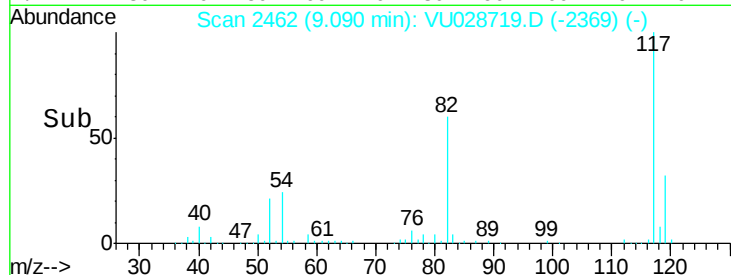
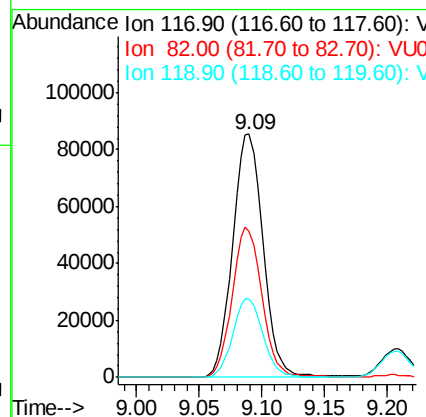
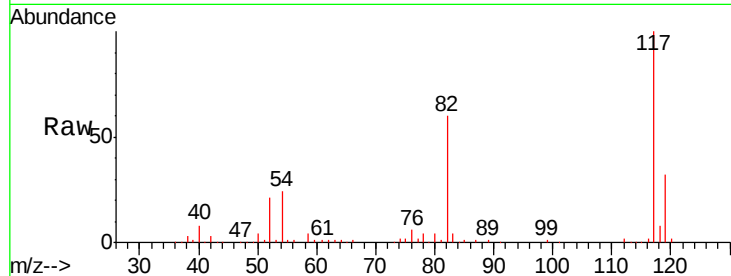
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion:117 Resp: 144539
Ion Ratio Lower Upper
117 100
82 60.2 48.9 73.3
119 32.2 26.2 39.4

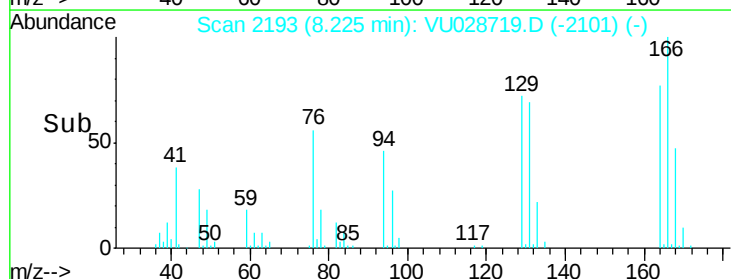
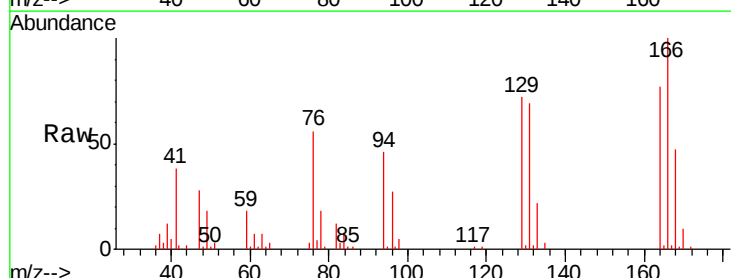
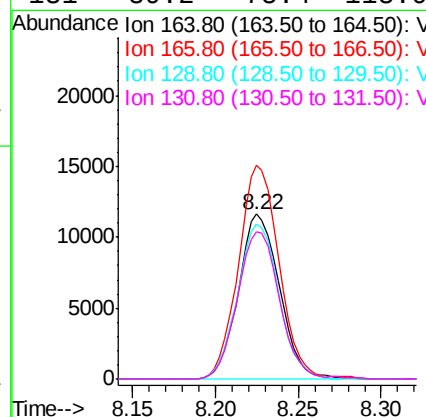
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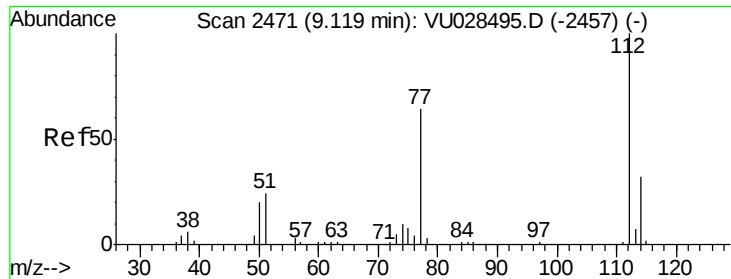
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#64
Tetrachloroethene
Concen: 20.780 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:164 Resp: 20034
Ion Ratio Lower Upper
164 100
166 129.6 101.9 152.9
129 93.8 74.9 112.3
131 89.2 75.4 113.0





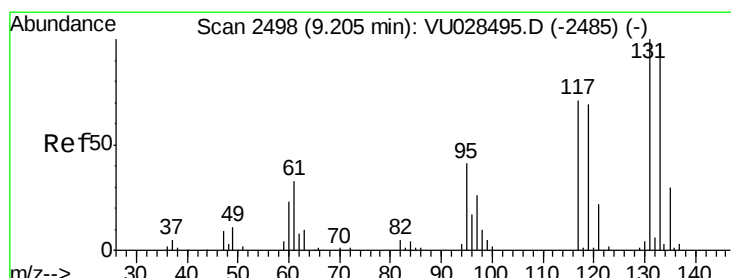
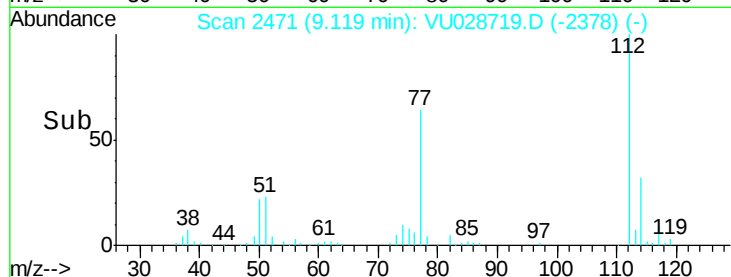
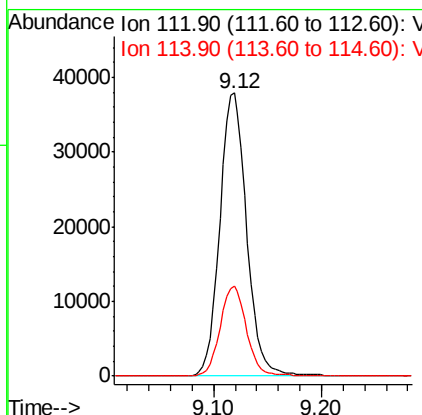
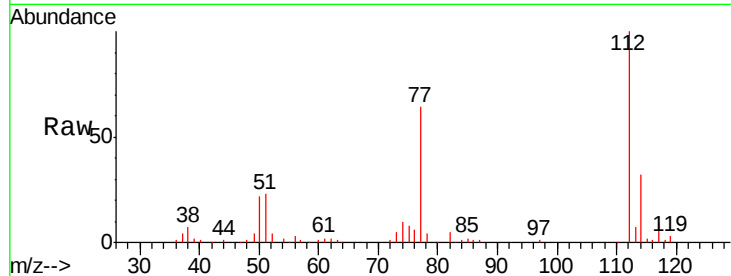
#65
Chlorobenzene
Concen: 21.251 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion:112 Resp: 65453
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

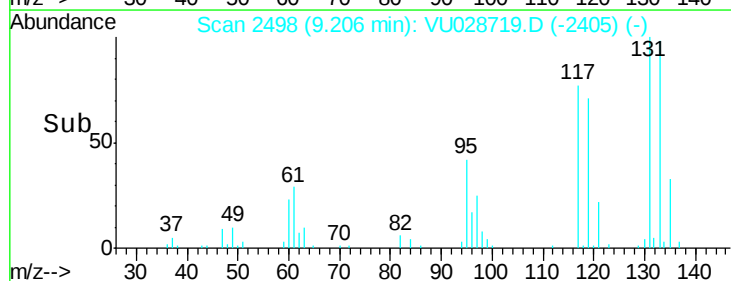
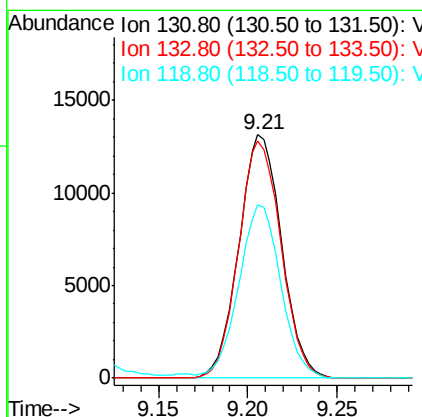
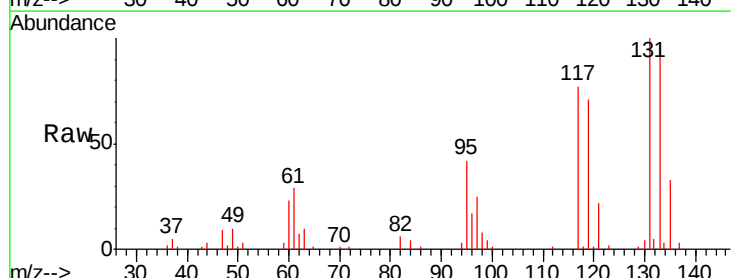
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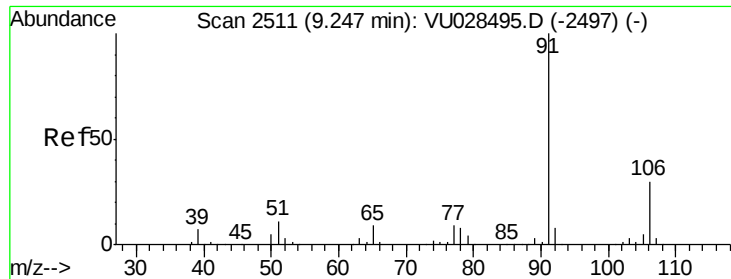
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.271 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:131 Resp: 21904
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 70.2 34.6 103.9





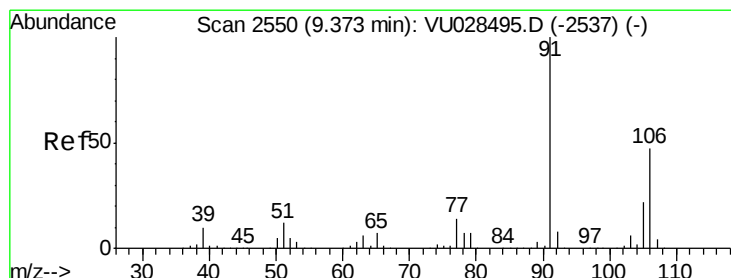
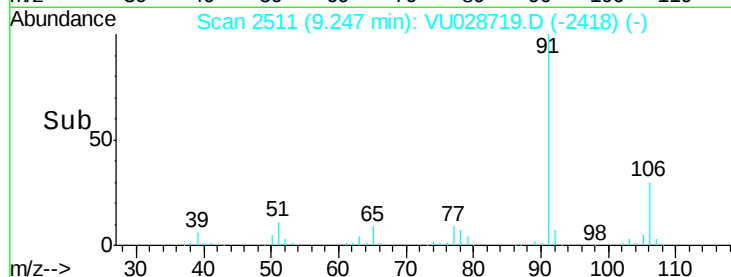
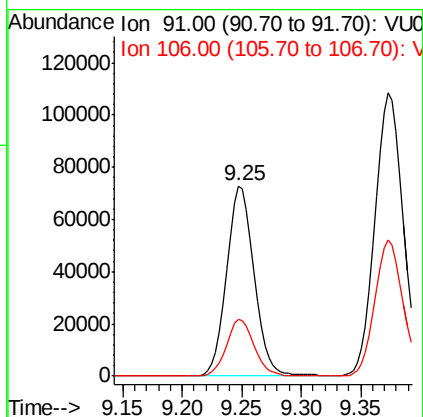
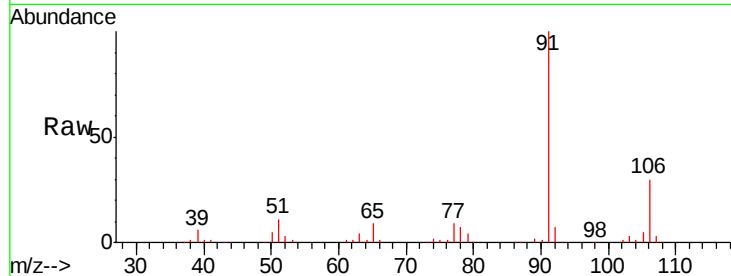
#67
Ethyl Benzene
Concen: 20.716 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion: 91 Resp: 117294
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

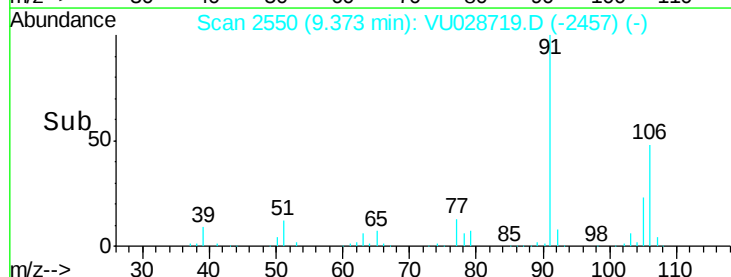
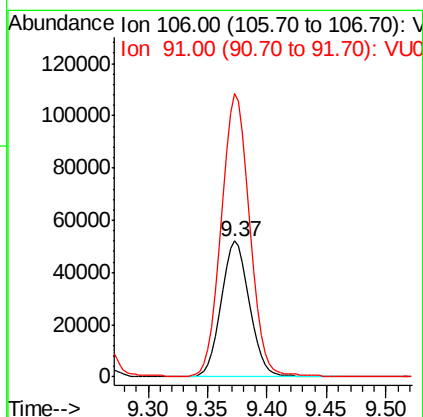
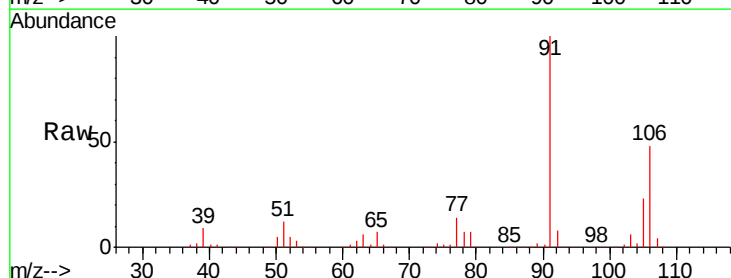
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#68
m/p-Xylenes
Concen: 41.890 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion: 106 Resp: 86303
Ion Ratio Lower Upper
106 100
91 208.2 167.4 251.0





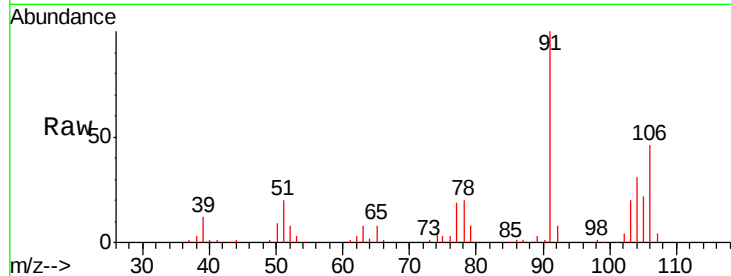
#69
o-Xylene
Concen: 21.008 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WS01

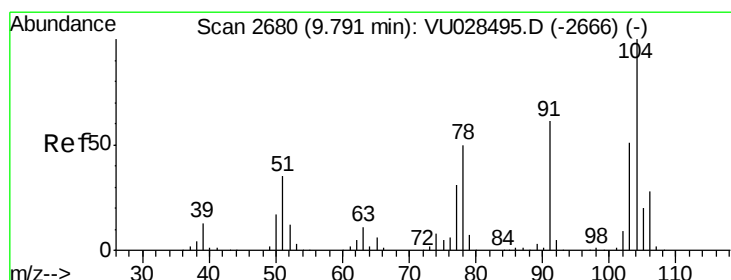
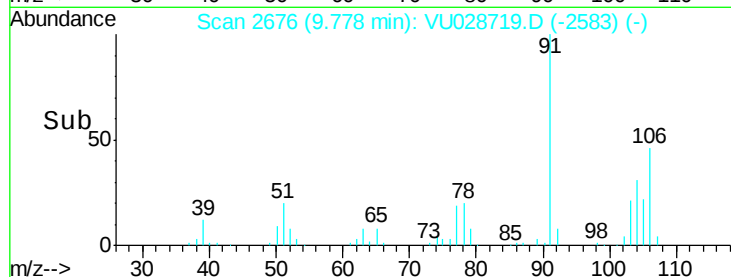
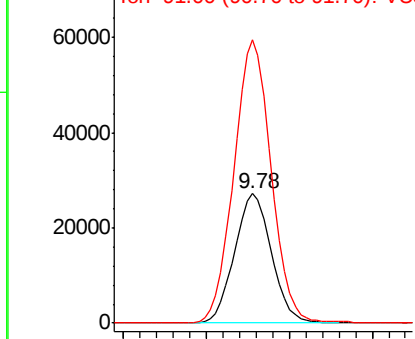
Tgt Ion:106 Resp: 42061
Ion Ratio Lower Upper
106 100
91 220.8 111.3 334.0

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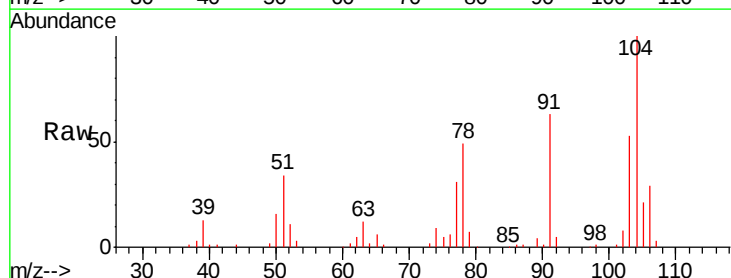


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

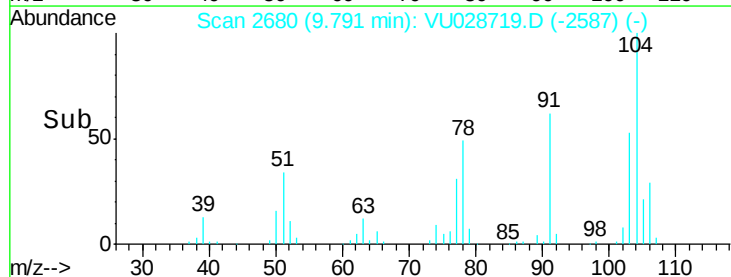
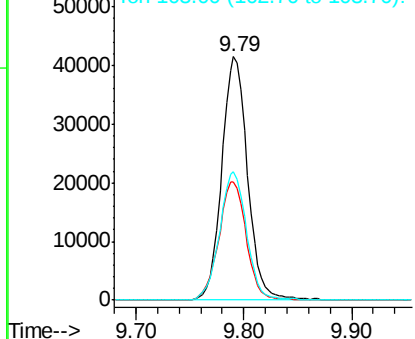


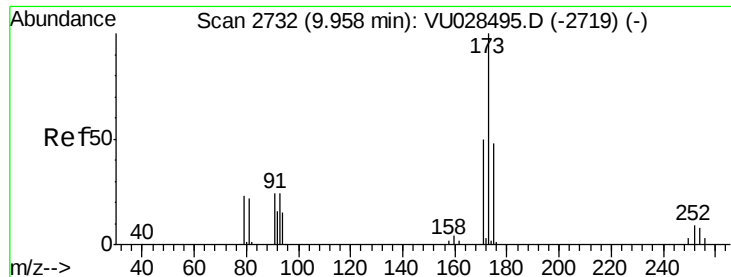
#70
Styrene
Concen: 20.794 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:104 Resp: 68900
Ion Ratio Lower Upper
104 100
78 51.9 43.0 64.6
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





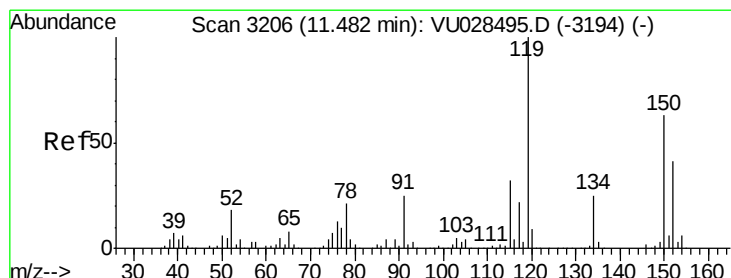
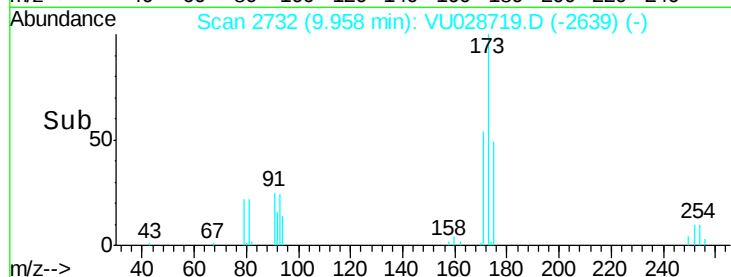
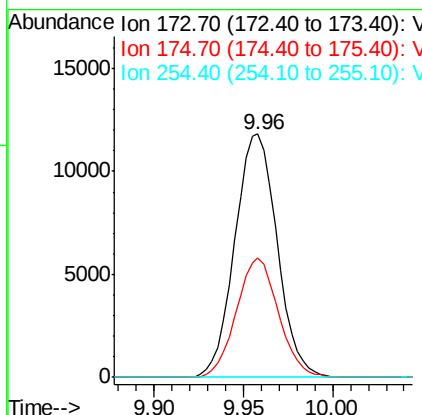
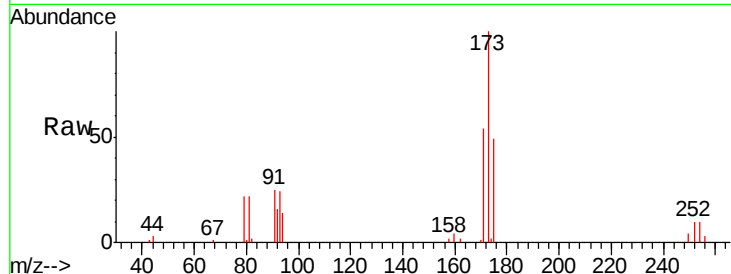
#71
Bromoform
Concen: 23.328 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.8
254	0.0	0.0	0.0

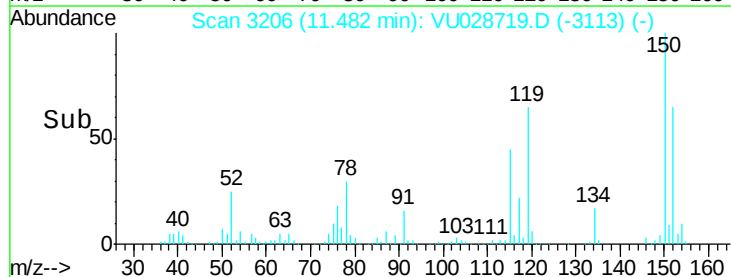
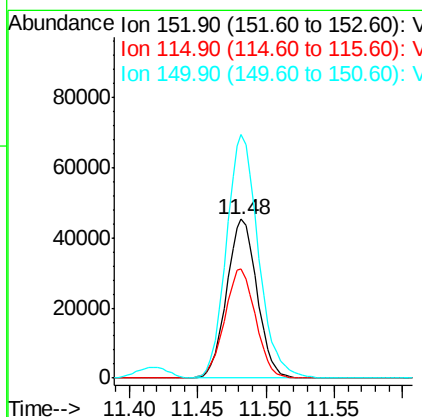
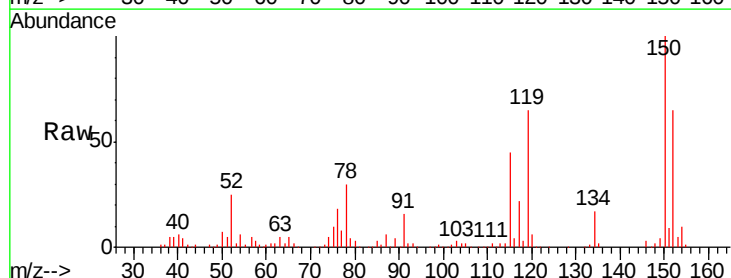
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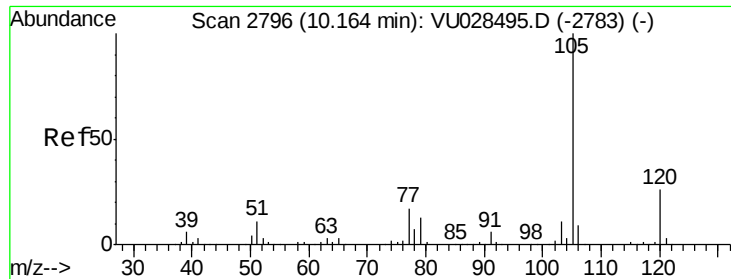
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.8	42.7	128.1
150	161.8	0.0	346.0





#73

Isopropylbenzene

Concen: 21.440 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 105 Resp: 115234

Ion Ratio Lower Upper

105 100

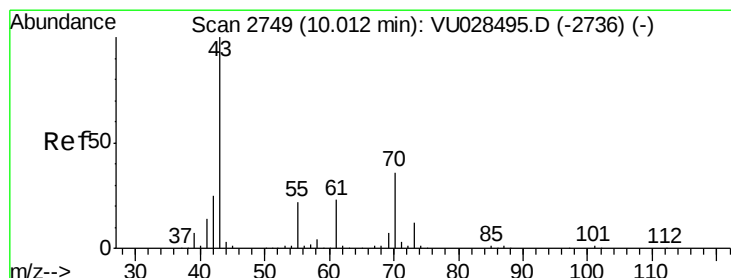
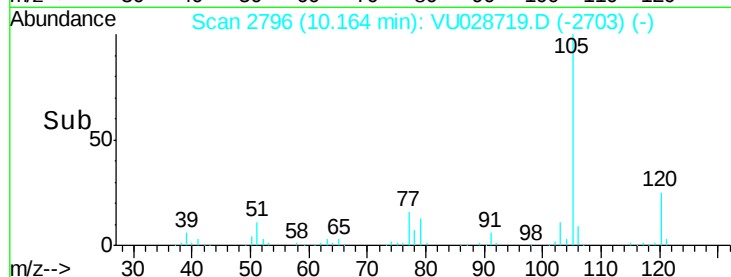
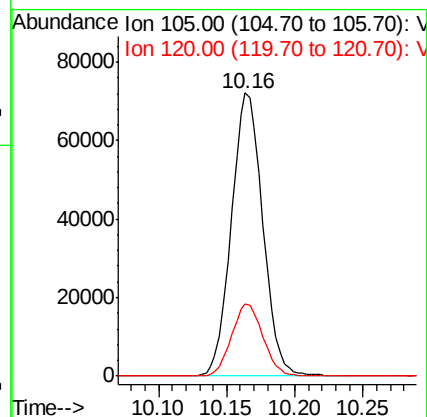
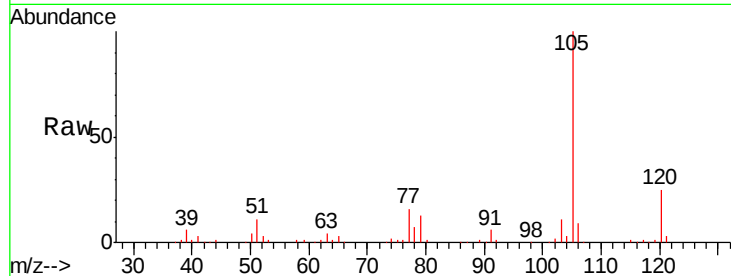
120 25.5 12.9 38.6

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#74

N-ethyl acetate

Concen: 20.507 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion: 43 Resp: 63577

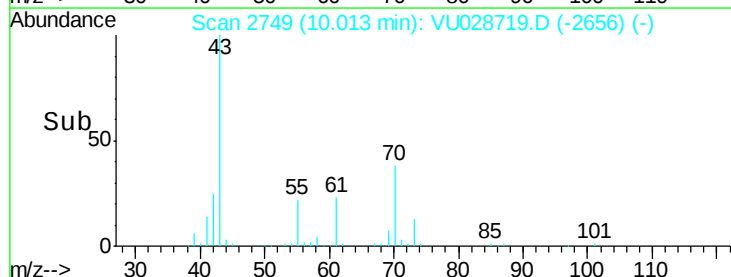
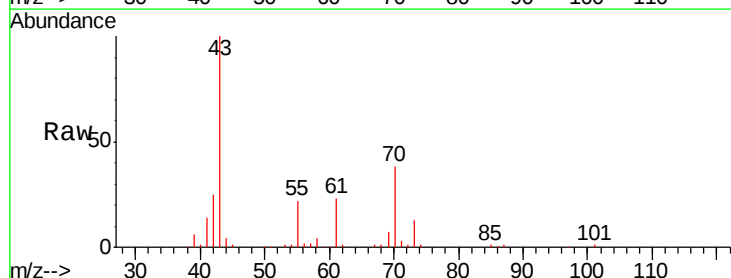
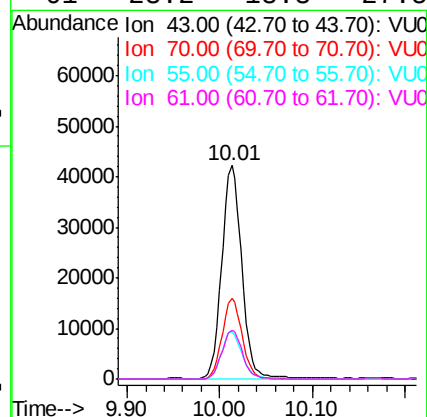
Ion Ratio Lower Upper

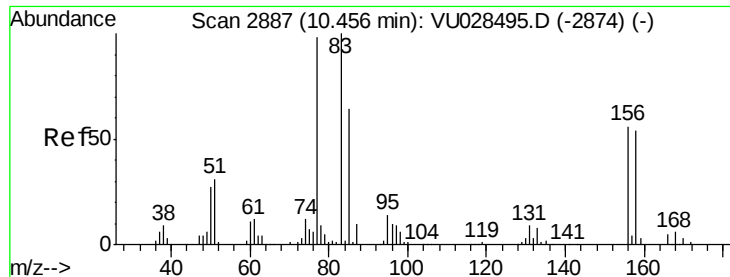
43 100

70 37.5 29.3 43.9

55 22.9 18.0 27.0

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.748 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

ClientSampleId :

VU1217WBS01

Tgt Ion: 83 Resp: 46967

Ion Ratio Lower Upper

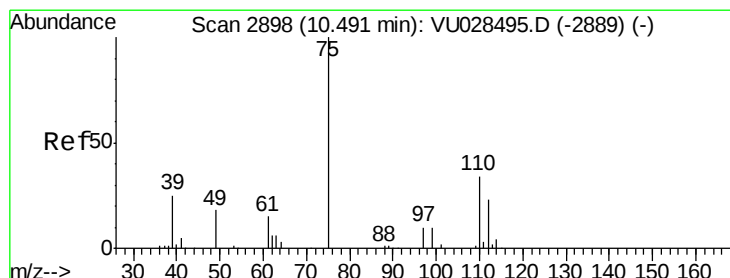
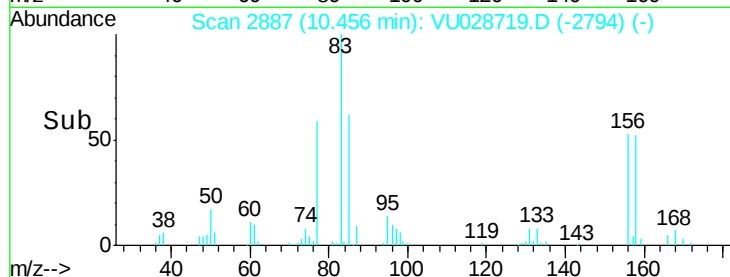
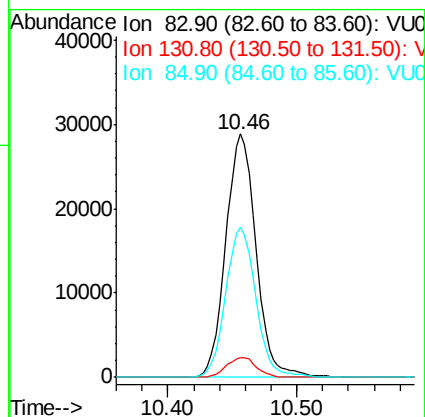
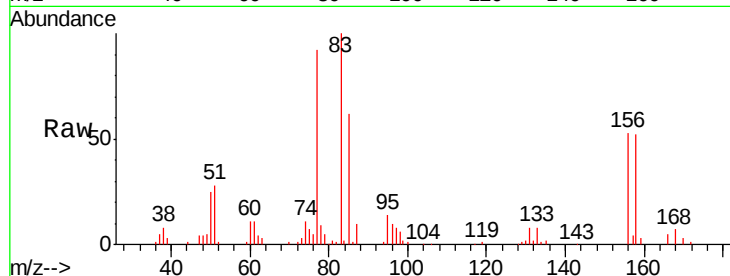
83 100

131 8.0 4.2 12.4

85 61.4 31.8 95.4

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#76

1,2,3-Trichloropropane

Concen: 22.371 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028719.D

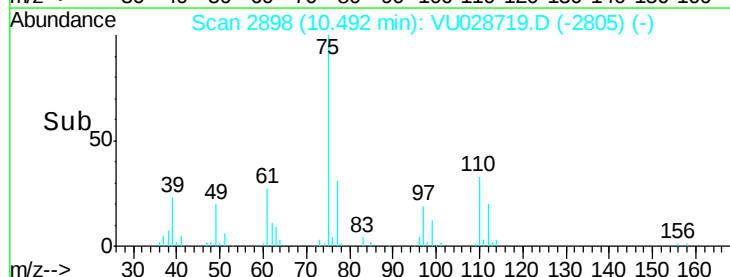
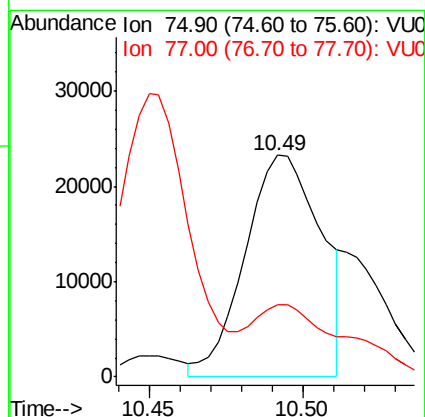
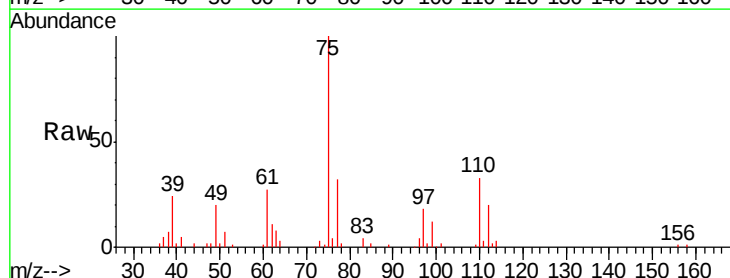
Acq: 17 Dec 2018 14:42

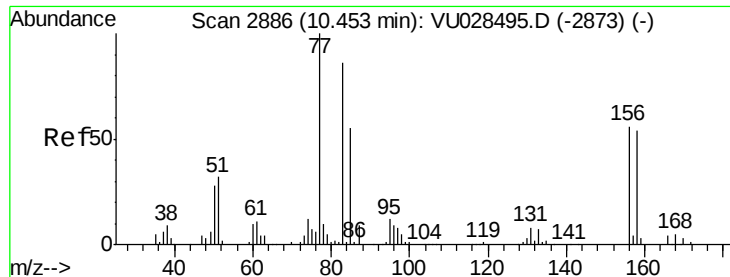
Tgt Ion: 75 Resp: 40012

Ion Ratio Lower Upper

75 100

77 40.5 20.8 62.4





#77

Bromobenzene

Concen: 21.490 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Instrument :

MSVOA_U

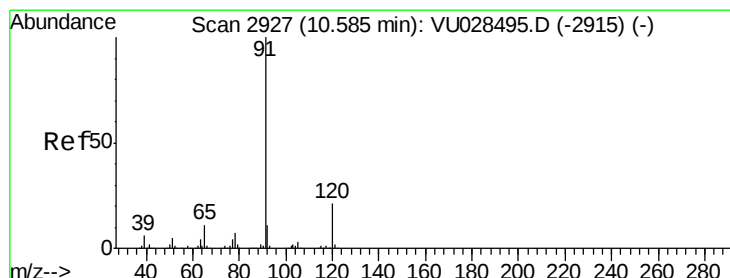
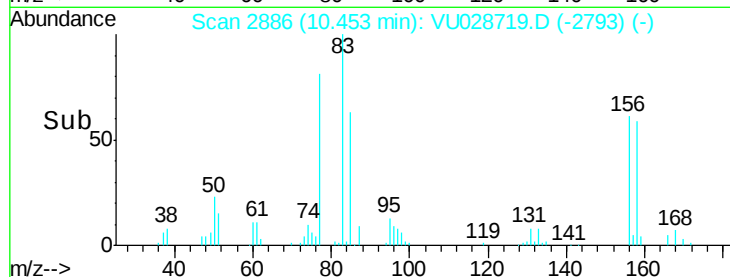
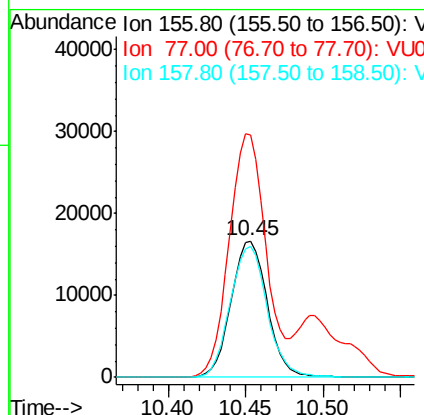
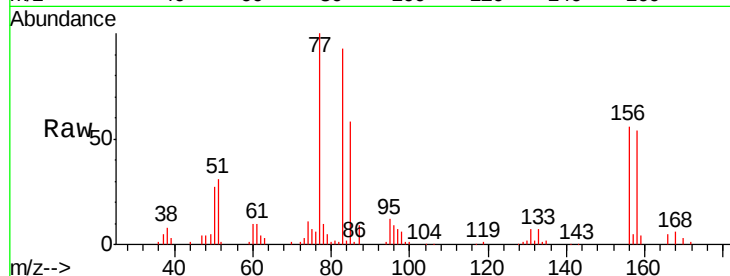
ClientSampleId :

VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	182.8	92.4	277.2
158	98.5	48.4	145.3

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#78

n-propylbenzene

Concen: 21.789 ug/l

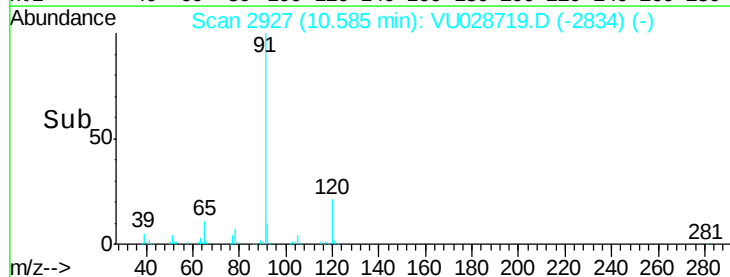
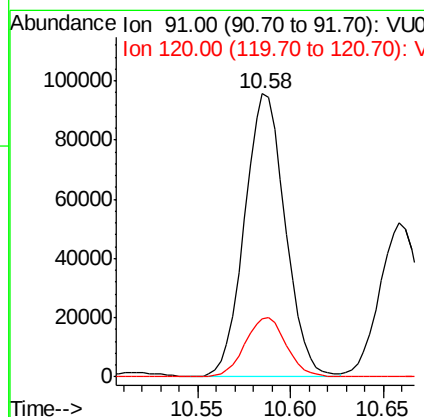
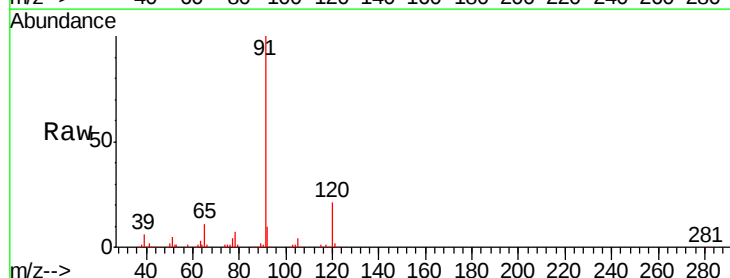
RT: 10.58 min Scan# 2927

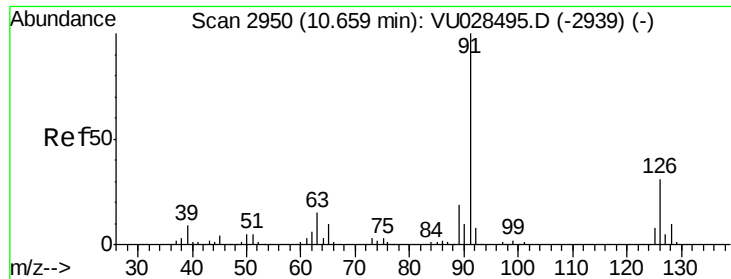
Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.6	31.8





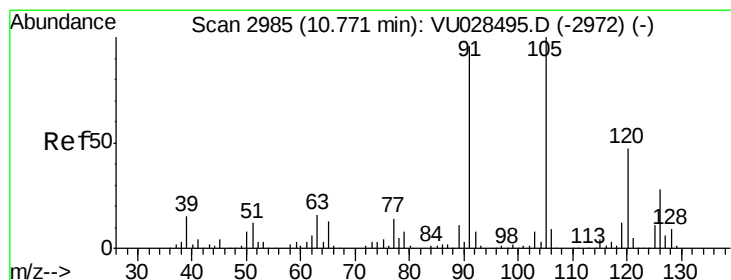
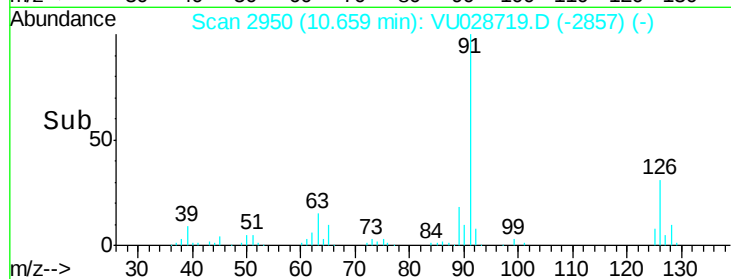
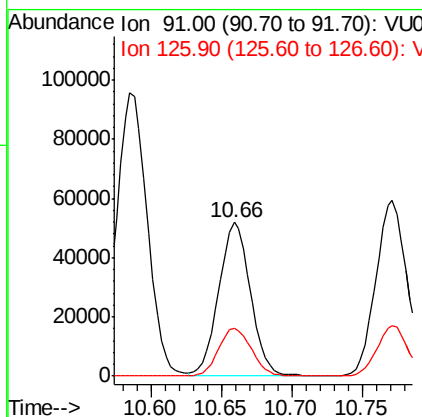
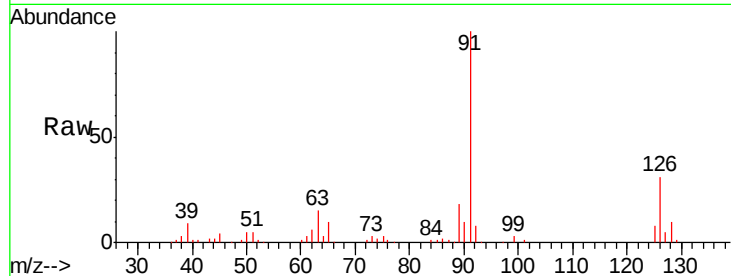
#79
 2-Chlorotoluene
 Concen: 21.164 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Tgt Ion: 91 Resp: 81420
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.6 46.8

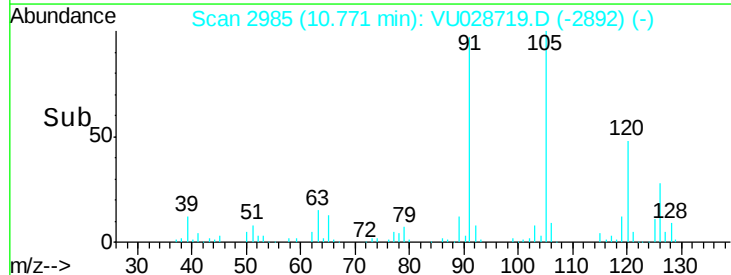
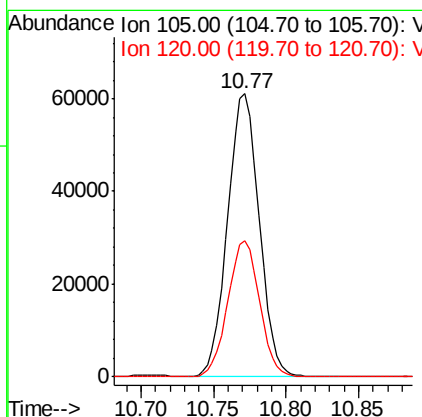
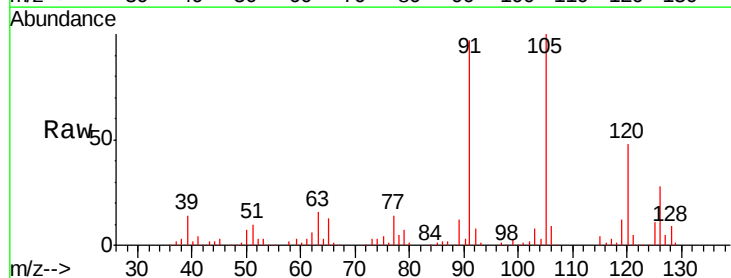
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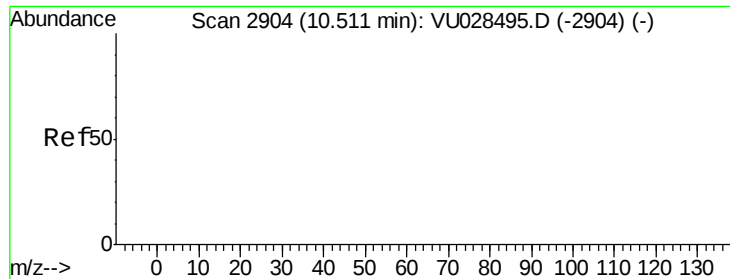
MMDadoda
 12/18/2018 11:31:12 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.842 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion: 105 Resp: 92727
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.995 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

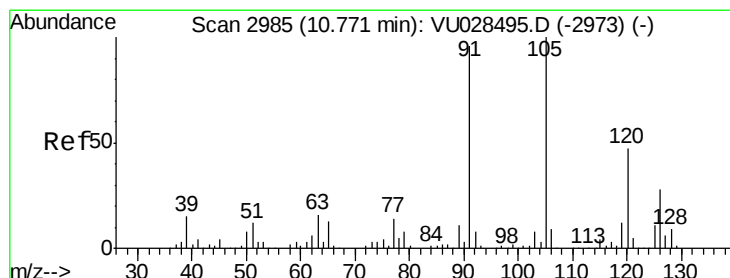
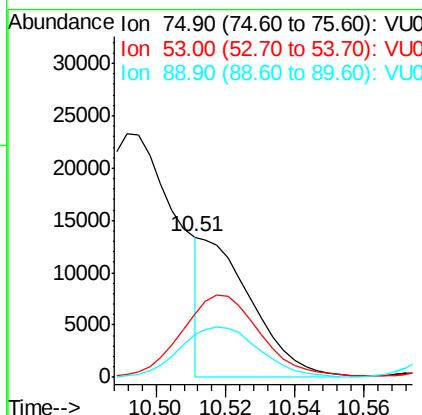
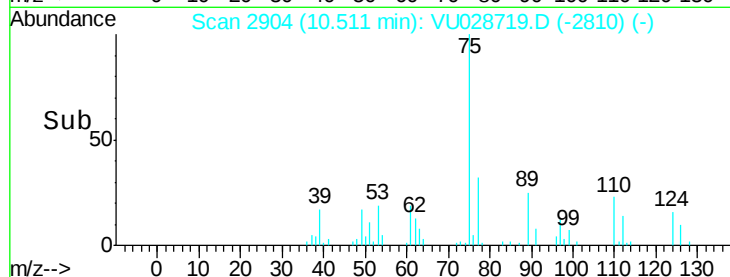
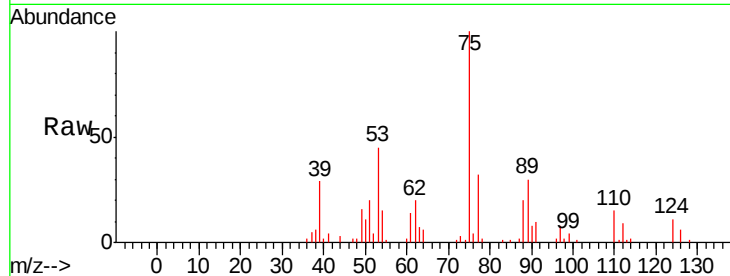
Instrument :
MSVOA_U

ClientSampleId :
VU1217WBS01

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

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#82

4-Chlorotoluene

Concen: 20.380 ug/l

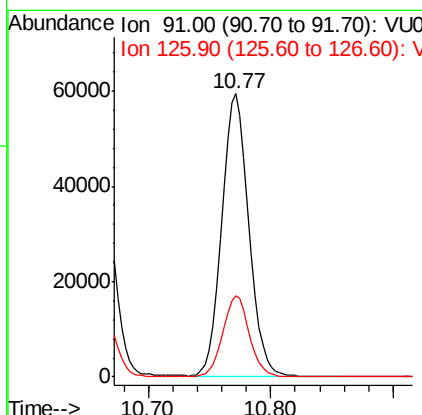
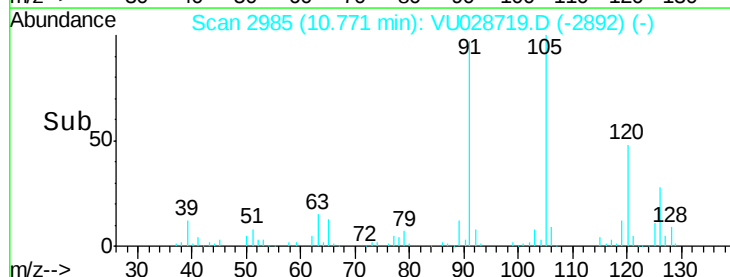
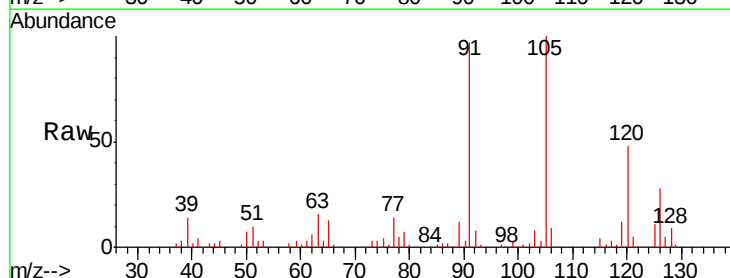
RT: 10.77 min Scan# 2985

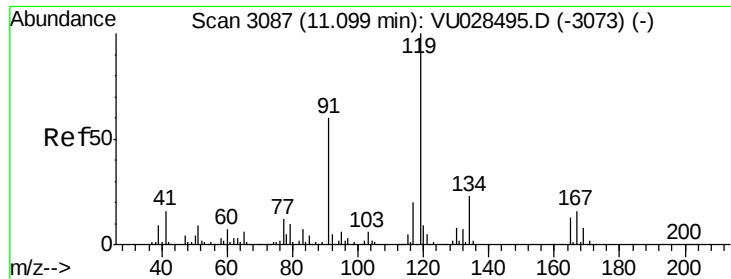
Delta R.T. 0.00 min

Lab File: VU028719.D

Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.3





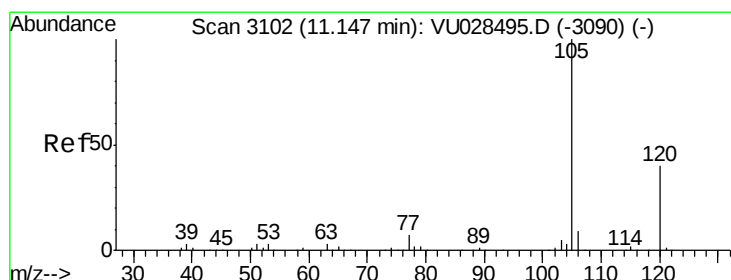
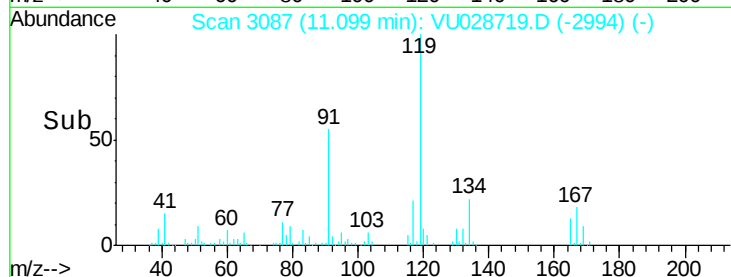
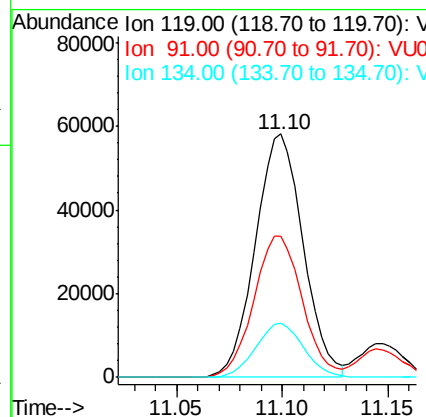
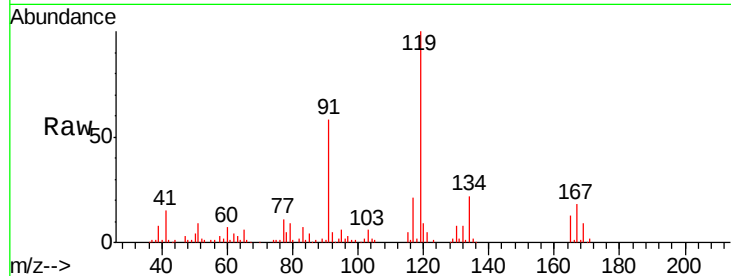
#83
tert-Butylbenzene
Concen: 21.388 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	91719		
91	59.0	30.3	91.0	
134	21.9	11.2	33.5	

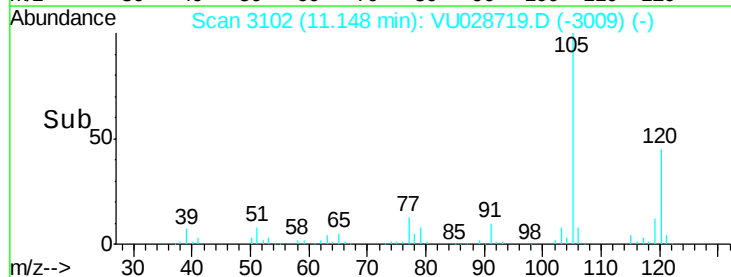
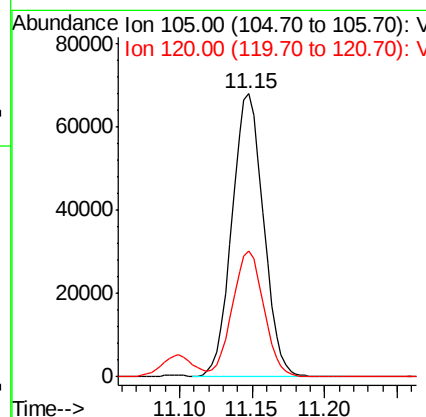
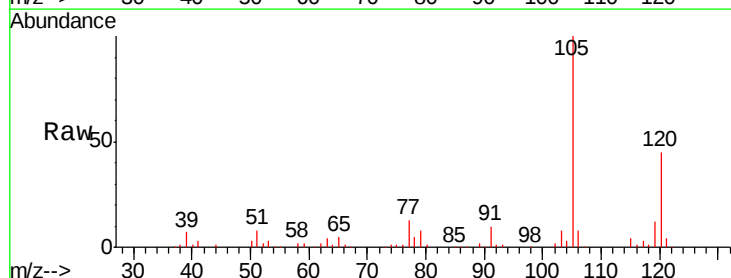
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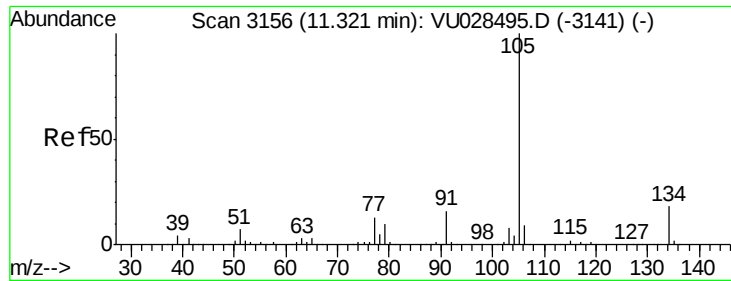
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#84
1,2,4-Trimethylbenzene
Concen: 22.480 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	103073		
120	44.5	21.8	65.4	





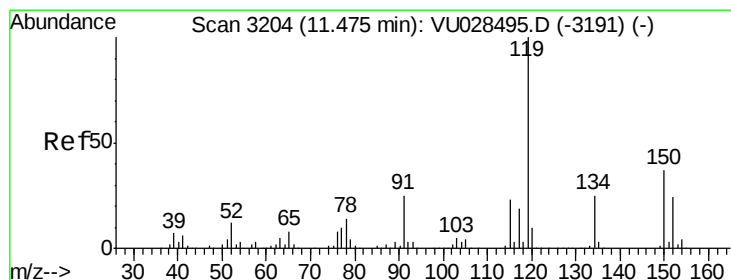
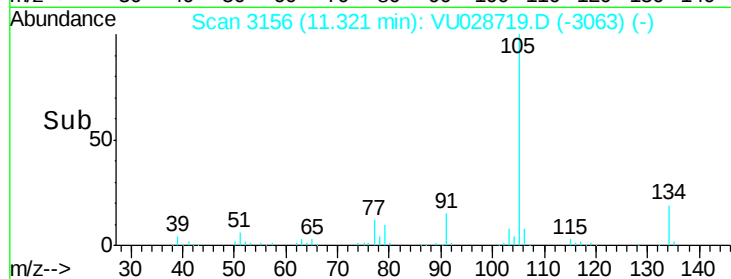
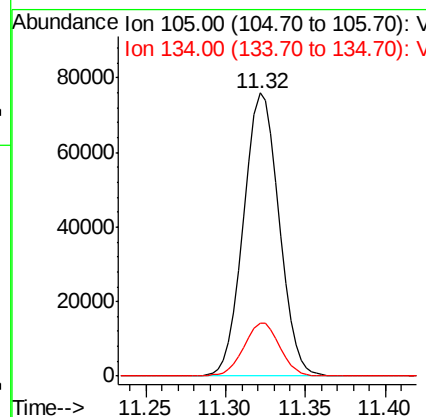
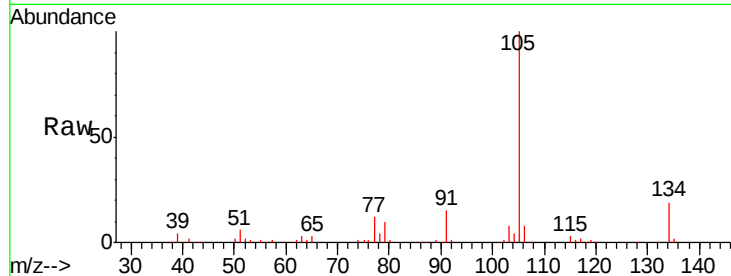
#85
 sec-Butylbenzene
 Concen: 20.817 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Tgt Ion:105 Resp: 114682
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.2 27.6

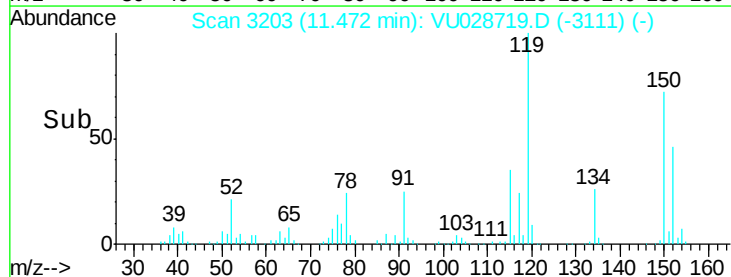
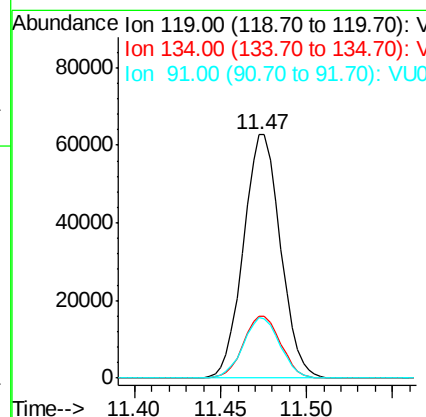
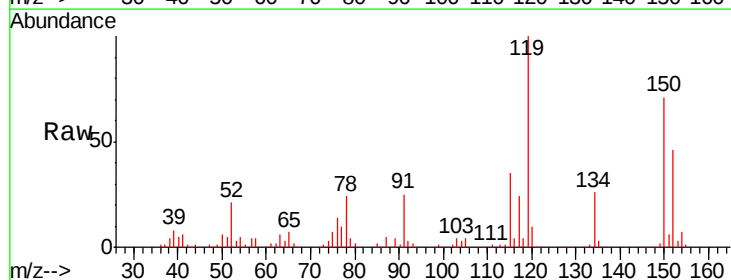
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 20.072 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion:119 Resp: 93932
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.1
 91 24.8 12.6 37.6





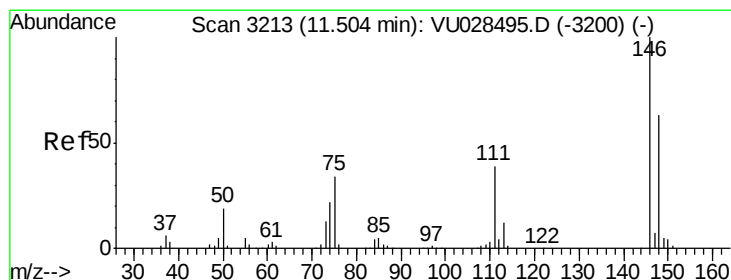
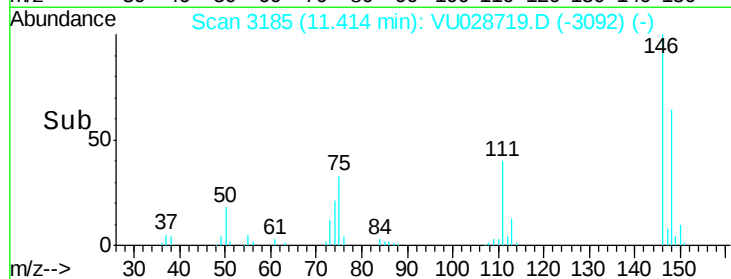
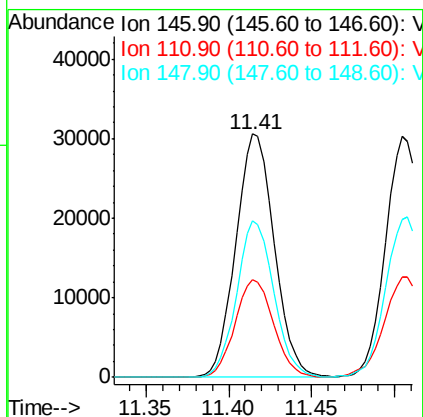
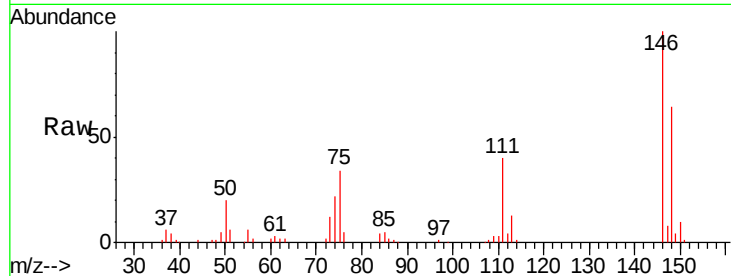
#87
 1,3-Dichlorobenzene
 Concen: 20.807 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.7	62.1
148	62.0	31.9	95.7

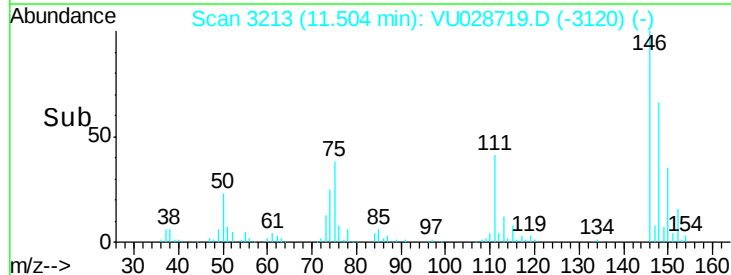
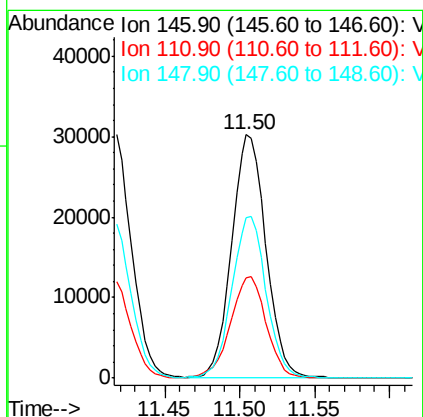
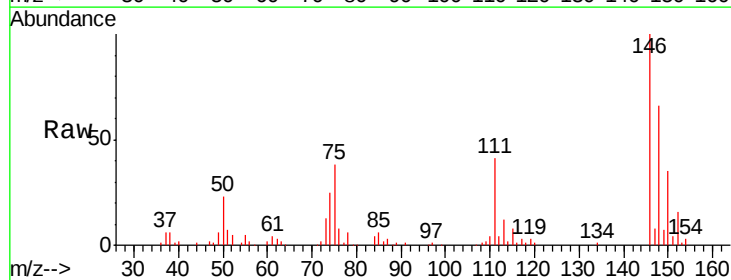
Manual Integrations
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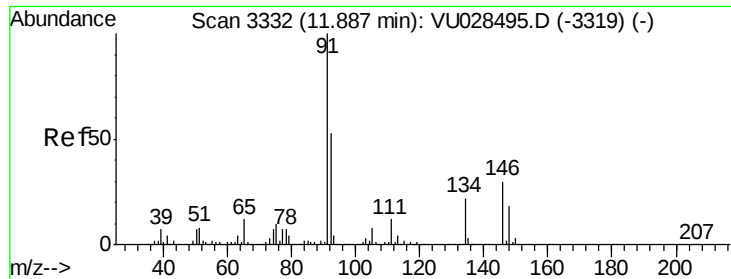
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#88
 1,4-Dichlorobenzene
 Concen: 19.690 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028719.D
 Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.2	60.5
148	66.7	31.6	95.0





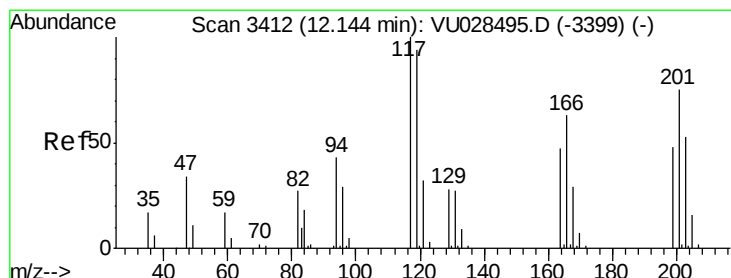
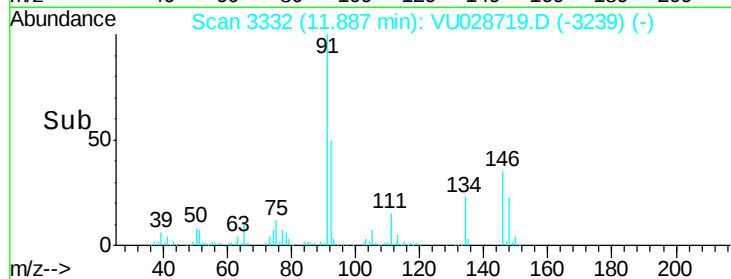
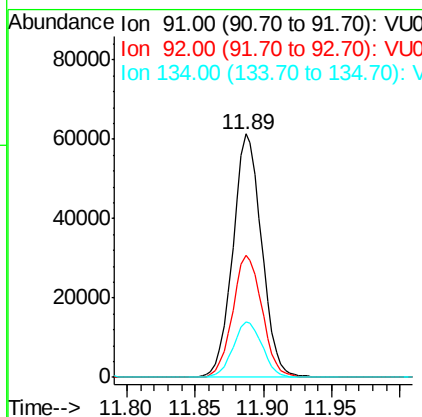
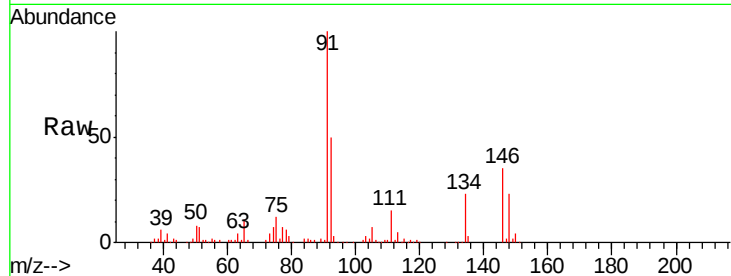
#89
n-Butylbenzene
Concen: 19.060 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.3	78.9
134	23.1	11.3	33.8

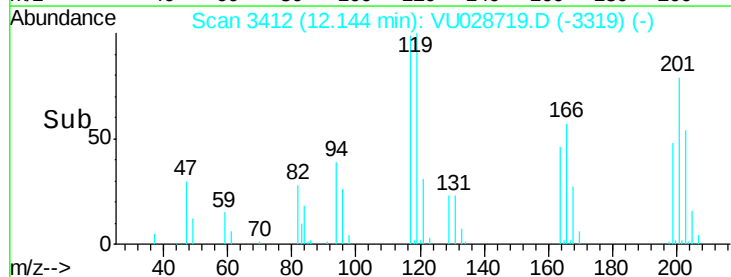
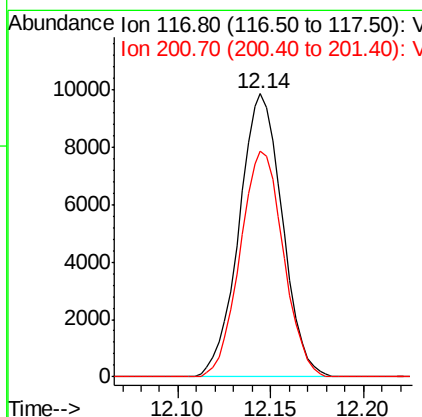
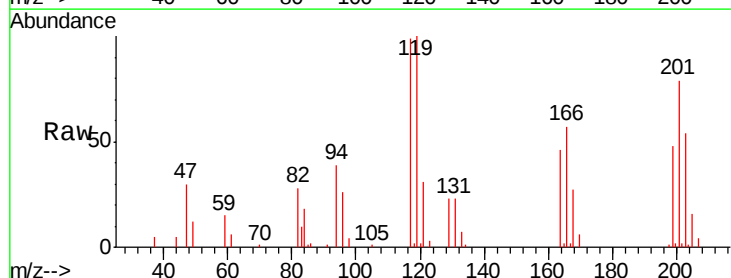
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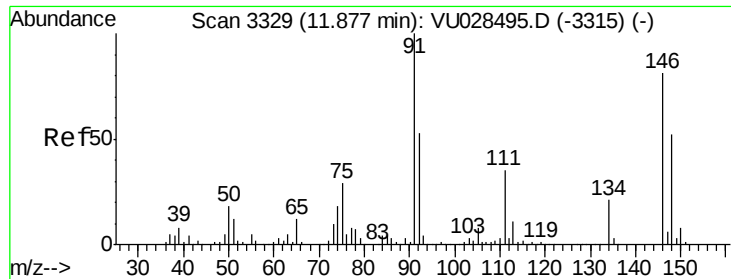
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#90
Hexachloroethane
Concen: 22.613 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	38.1	114.5





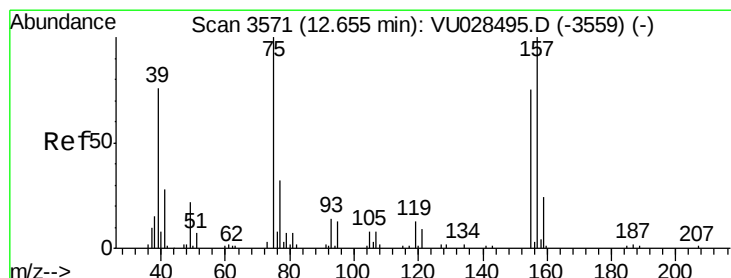
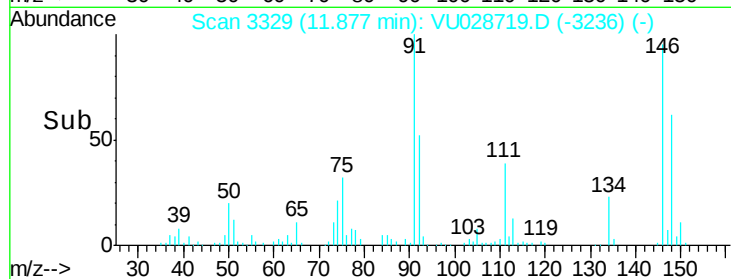
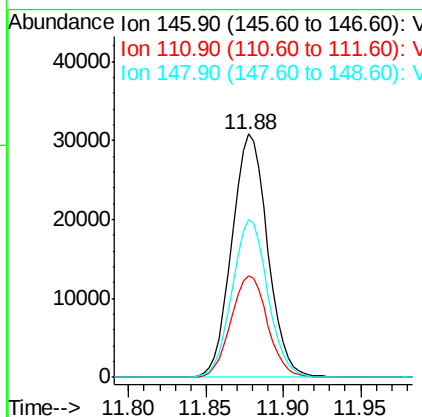
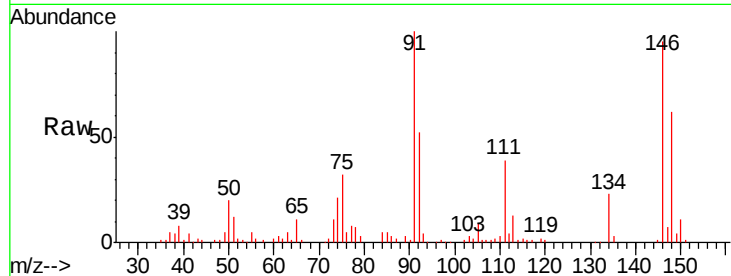
#91
1,2-Dichlorobenzene
Concen: 20.862 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	64.3	31.4	94.2

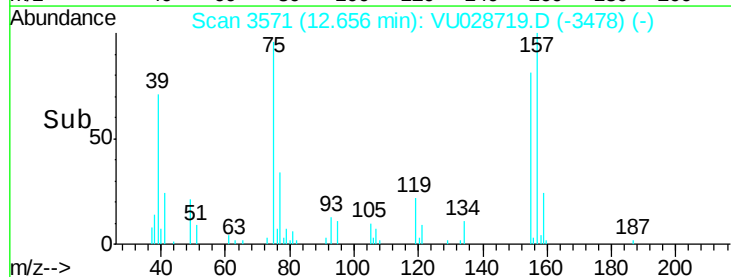
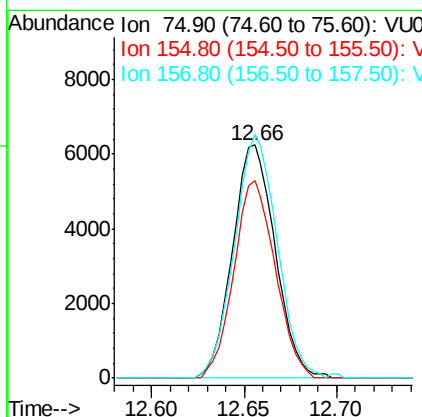
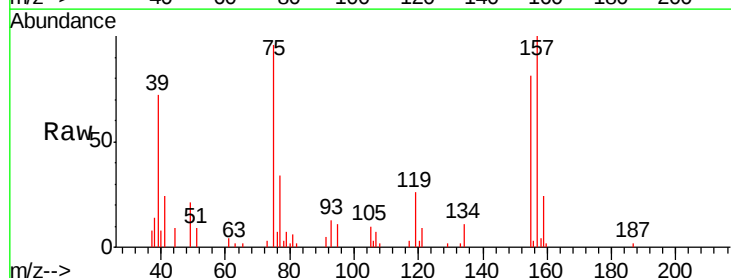
Manual Integrations
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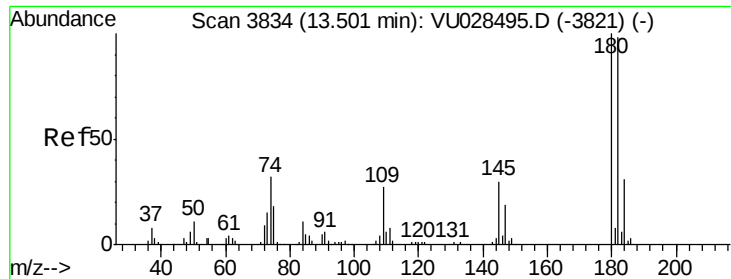
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 22.392 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	38.1	114.5
157	104.5	48.7	146.1





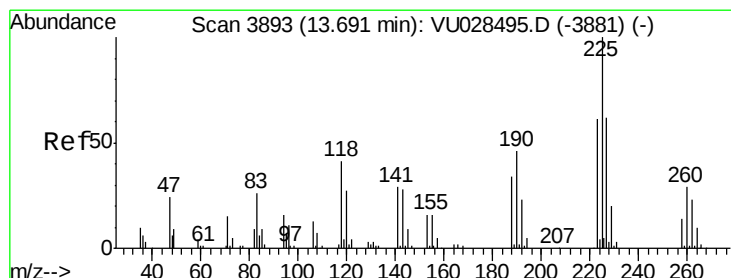
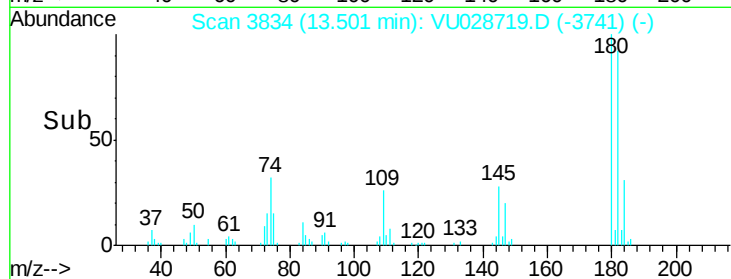
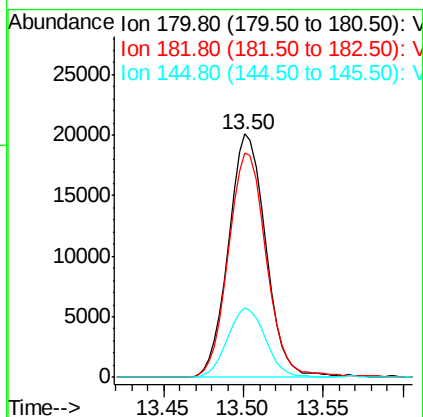
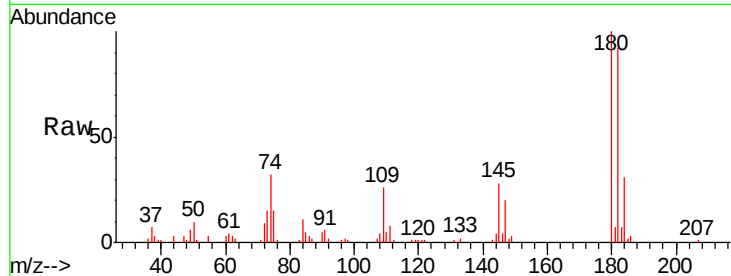
#93
1,2,4-Trichlorobenzene
Concen: 20.103 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion:180 Resp: 31961
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.8
145 28.8 15.0 45.1

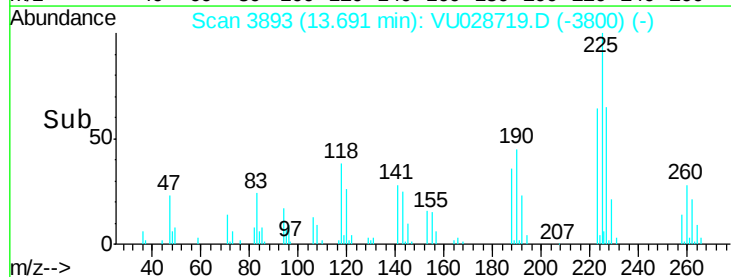
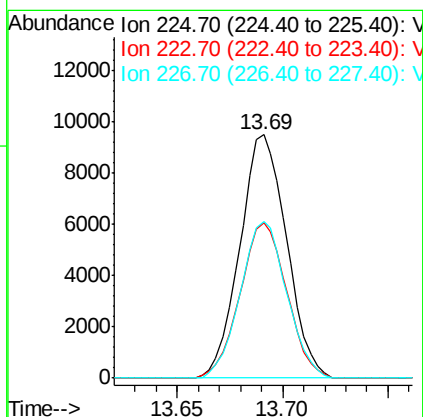
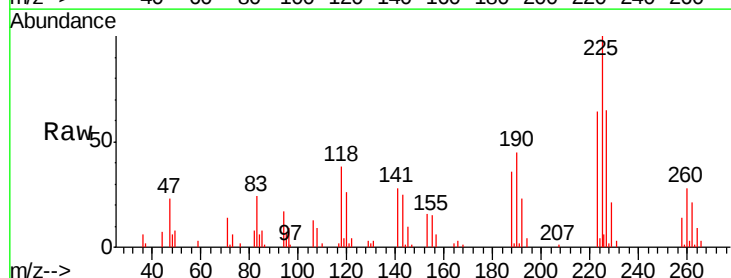
Manual Integrations
APPROVED

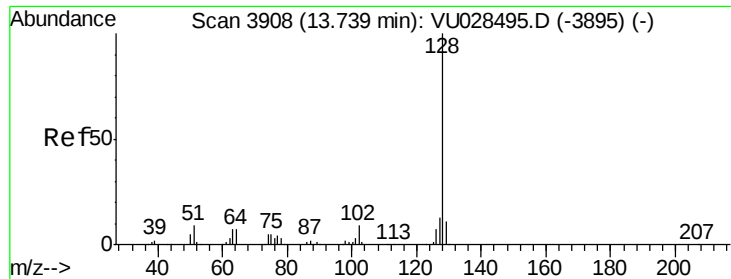
MMDadoda
12/18/2018 11:31:12 AM



#94
Hexachlorobutadiene
Concen: 18.769 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion:225 Resp: 14597
Ion Ratio Lower Upper
225 100
223 63.8 30.4 91.2
227 63.6 30.7 92.1





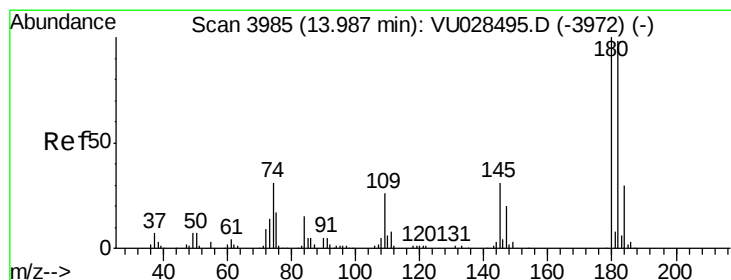
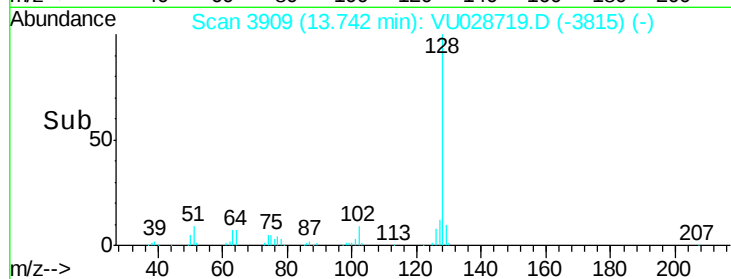
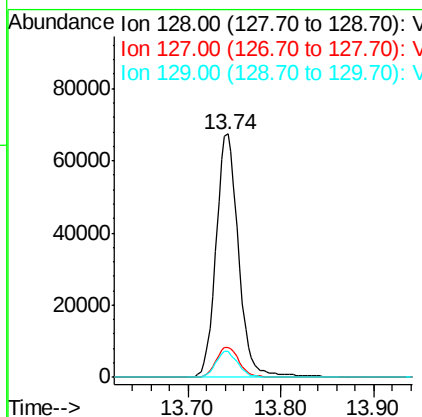
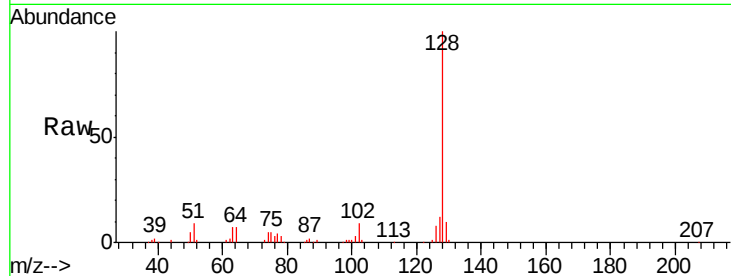
#95
Naphthalene
Concen: 19.952 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Instrument :
MSVOA_U
ClientSampleId :
VU1217WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	113673		
127	12.8	10.4	15.6	
129	10.5	8.6	13.0	

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 20.181 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028719.D
Acq: 17 Dec 2018 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	32626		
182	95.3	48.2	144.6	
145	31.8	15.8	47.3	

