

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
 Data File : VU028718.D
 Acq On : 17 Dec 2018 14:18
 Operator : MD/SY
 Sample : J6411-16MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:07 AM

Quant Time: Dec 18 04:20:48 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	82708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146550	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	66452	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	4.88	113	50440	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	7.56	98	198037	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
62) 4-Bromofluorobenzene	10.31	95	74286	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	50585	45.630	ug/l	99
3) Chloromethane	1.33	50	88414	43.380	ug/l	99
4) Vinyl Chloride	1.40	62	69026	46.930	ug/l	99
5) Bromomethane	1.60	94	35494	59.907	ug/l	96
6) Chloroethane	1.68	64	40794	48.991	ug/l	98
7) Trichlorofluoromethane	1.88	101	74617	48.219	ug/l	99
8) Diethyl Ether	2.10	74	34735	47.976	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43401	46.894	ug/l	98
10) Methyl Iodide	2.40	142	47159	64.940	ug/l	99
11) Tert butyl alcohol	2.83	59	101806	362.031	ug/l	99
12) 1,1-Dichloroethene	2.28	96	44163	47.959	ug/l	99
13) Acrolein	2.19	56	74573	332.653	ug/l	99
14) Allyl chloride	2.59	41	103465	47.495	ug/l	89
15) Acrylonitrile	2.93	53	231392	296.382	ug/l	99
16) Acetone	2.32	43	202263	245.575	ug/l	98
17) Carbon Disulfide	2.47	76	151127	45.556	ug/l	100
18) Methyl Acetate	2.61	43	97454	45.645	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	178255	51.063	ug/l	100
20) Methylene Chloride	2.70	84	58092	47.846	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	49323	47.572	ug/l	99
22) Diisopropyl ether	3.57	45	216642	51.139	ug/l	95
23) Vinyl Acetate	3.52	43	616429	176.409	ug/l	100
24) 1,1-Dichloroethane	3.44	63	108493	48.925	ug/l	99
25) 2-Butanone	4.26	43	328180	291.568	ug/l	100
26) 2,2-Dichloropropane	4.22	77	29513	16.797	ug/l	92
27) cis-1,2-Dichloroethene	4.22	96	58568	49.908	ug/l	90
28) Bromochloromethane	4.55	49	54362	53.925	ug/l	99
29) Tetrahydrofuran	4.64	42	224669	310.795	ug/l	99
30) Chloroform	4.67	83	98526	50.978	ug/l	99
31) Cyclohexane	4.99	56	96509	44.465	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	80271	50.007	ug/l	99
36) 1,1-Dichloropropene	5.13	75	75650	47.173	ug/l	99
37) Ethyl Acetate	4.38	43	84431	40.727	ug/l	100
38) Carbon Tetrachloride	5.13	117	65642	50.784	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	71576	36.584	ug/l	99
40) Benzene	5.39	78	233900	49.522	ug/l	98
41) Methacrylonitrile	4.54	41	65985	58.121	ug/l	97
42) 1,2-Dichloroethane	5.40	62	80693	48.808	ug/l	100
43) Isopropyl Acetate	5.55	43	150057	45.763	ug/l	99
44) Trichloroethene	6.18	130	50912	48.479	ug/l	97
45) 1,2-Dichloropropane	6.43	63	68935	51.901	ug/l	97
46) Dibromomethane	6.56	93	40326	51.171	ug/l	97
47) Bromodichloromethane	6.76	83	78861	51.425	ug/l	99
48) Methyl methacrylate	6.62	41	89797	55.068	ug/l	98
49) 1,4-Dioxane	6.61	88	32390	1257.990	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	632948	306.054	ug/l	100
52) Toluene	7.64	92	137226	49.367	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	78179	42.805	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	82242	41.505	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	63509	57.799	ug/l	98
56) Ethyl methacrylate	8.02	69	102375	54.408	ug/l	99
57) 1,3-Dichloropropane	8.24	76	103424	50.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.26	63	439	0.456	ug/l #	54
59) 2-Hexanone	8.36	43	509956	311.103	ug/l	99
60) Dibromochloromethane	8.48	129	57723	53.657	ug/l	99
61) 1,2-Dibromoethane	8.58	107	61268	53.172	ug/l	98
64) Tetrachloroethene	8.22	164	40962	44.688	ug/l	98
65) Chlorobenzene	9.12	112	144416	49.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	50273	53.762	ug/l	100
67) Ethyl Benzene	9.25	91	287218	53.355	ug/l	99
68) m/p-Xylenes	9.37	106	224711	114.720	ug/l	99
69) o-Xylene	9.78	106	97048	50.983	ug/l	100
70) Styrene	9.79	104	158096	50.186	ug/l	98
71) Bromoform	9.96	173	47609	59.849	ug/l #	99
73) Isopropylbenzene	10.17	105	1320936	259.205	ug/l	100
74) N-amyl acetate	10.01	43	125044	42.538	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	120990	61.804	ug/l	96
76) 1,2,3-Trichloropropane	10.49	75	91433m	53.915	ug/l	
77) Bromobenzene	10.45	156	61568	51.657	ug/l	99
78) n-propylbenzene	10.59	91	2796406	441.604	ug/l	100
79) 2-Chlorotoluene	10.66	91	160444	43.986	ug/l	92
80) 1,3,5-Trimethylbenzene	10.77	105	195002	46.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31008m	45.008	ug/l	
82) 4-Chlorotoluene	10.77	91	203131	46.994	ug/l	98
83) tert-Butylbenzene	11.10	119	278062	68.388	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	2345209	539.449	ug/l	99
85) sec-Butylbenzene	11.32	105	742616	142.170	ug/l	99
86) p-Isopropyltoluene	11.48	119	217943	49.118	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107200	47.633	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	110600	47.500	ug/l	99
89) n-Butylbenzene	11.89	91	437436	97.412	ug/l	90
90) Hexachloroethane	12.14	117	56454	84.177	ug/l	61
91) 1,2-Dichlorobenzene	11.88	146	112430	49.943	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30473	71.900	ug/l	94

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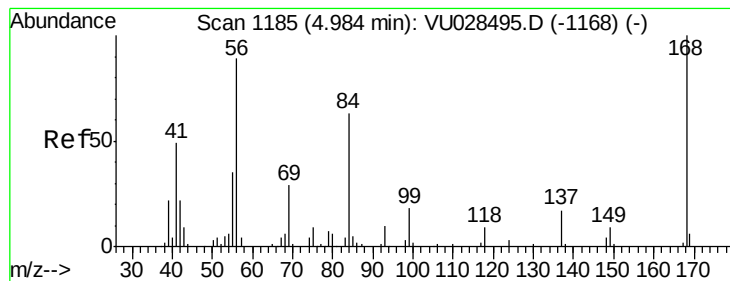
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	70488	45.642	ug/l	97
94) Hexachlorobutadiene	13.69	225	14992	20.331	ug/l	96
95) Naphthalene	13.74	128	309380	57.272	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74610	48.466	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 168 Resp: 82708

Ion Ratio Lower Upper

168 100

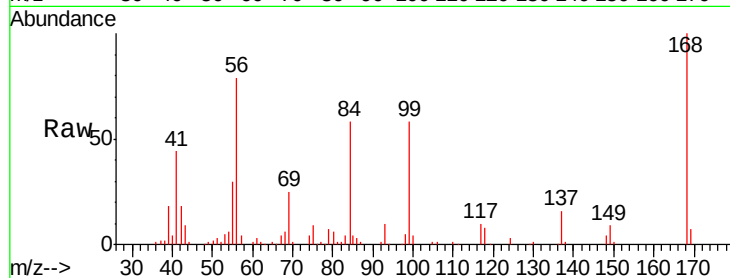
99 57.6 46.6 69.8

Manual Integrations

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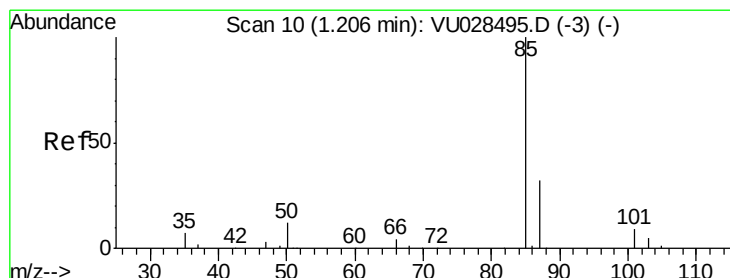
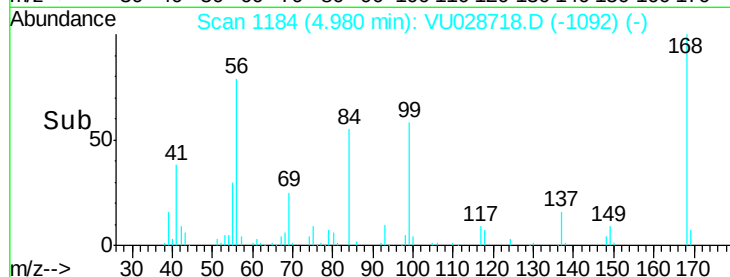
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.630 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028718.D

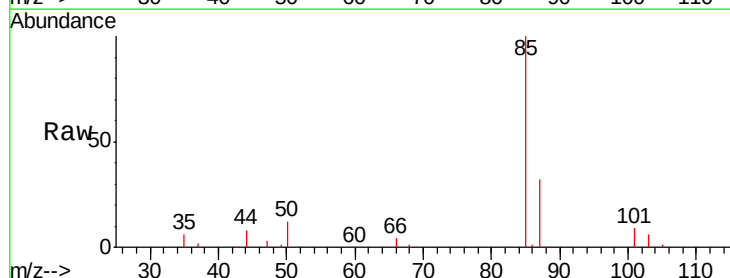
Acq: 17 Dec 2018 14:18

Tgt Ion: 85 Resp: 50585

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



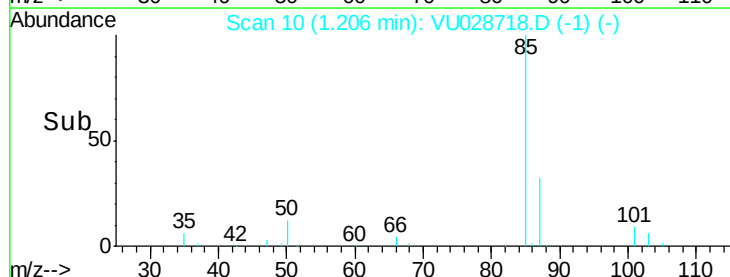
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

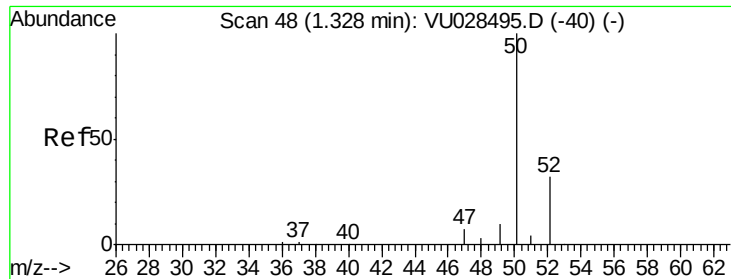
Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.380 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 50 Resp: 88414

Ion Ratio Lower Upper

50 100

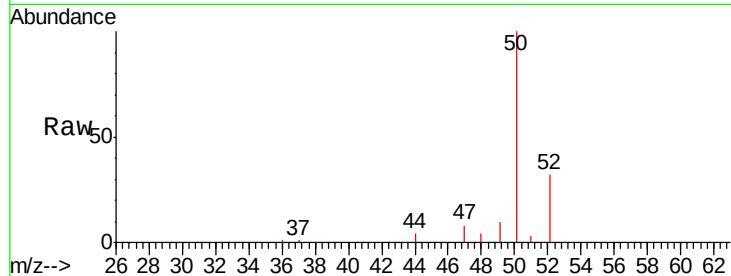
52 32.2 25.5 38.3

Manual Integrations

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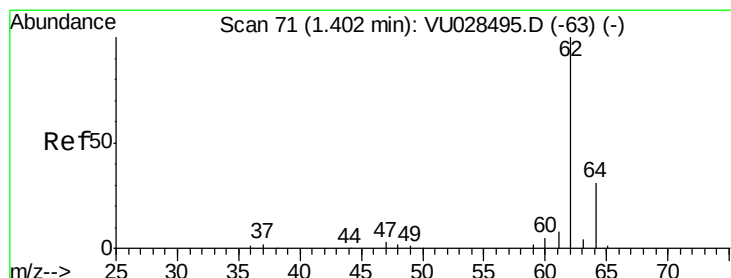
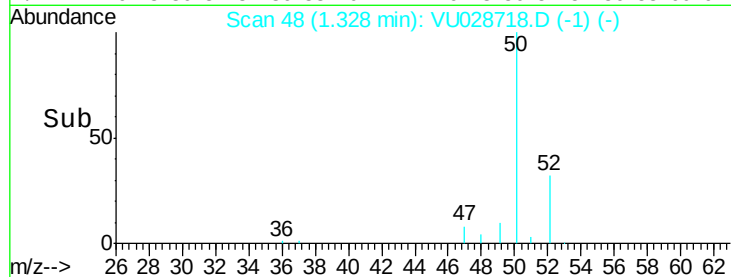
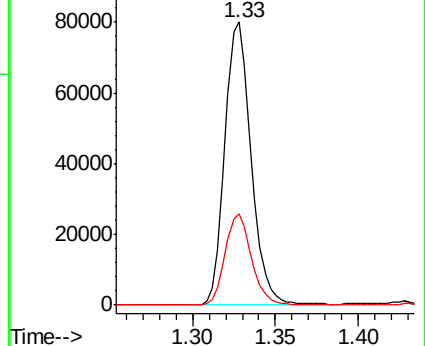
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.930 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028718.D

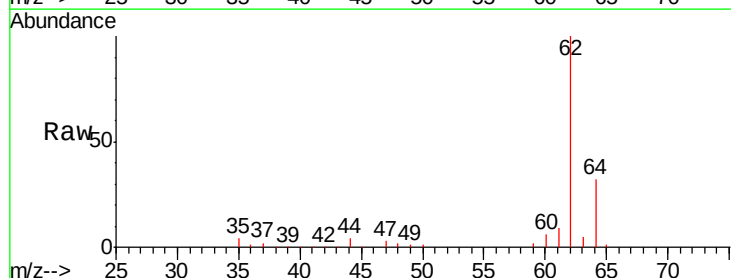
Acq: 17 Dec 2018 14:18

Tgt Ion: 62 Resp: 69026

Ion Ratio Lower Upper

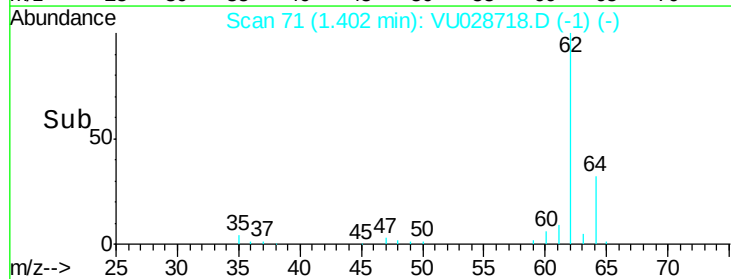
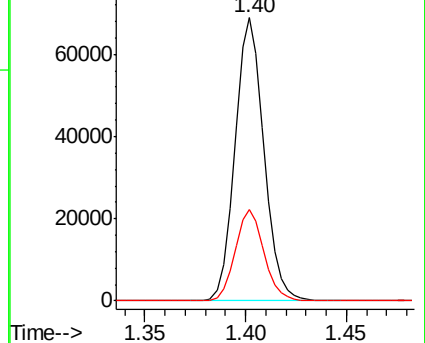
62 100

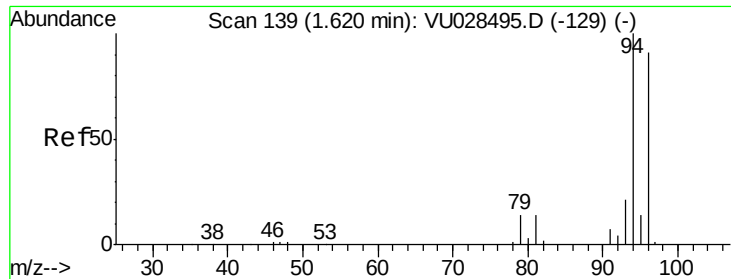
64 32.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 59.907 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028718.D

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Tgt Ion: 94 Resp: 35494

Ion Ratio Lower Upper

94 100

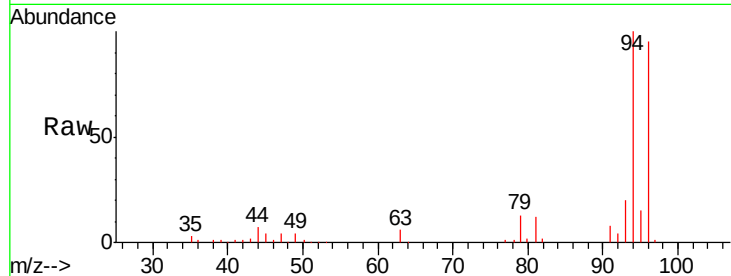
96 95.4 73.2 109.8

Manual Integrations

APPROVED

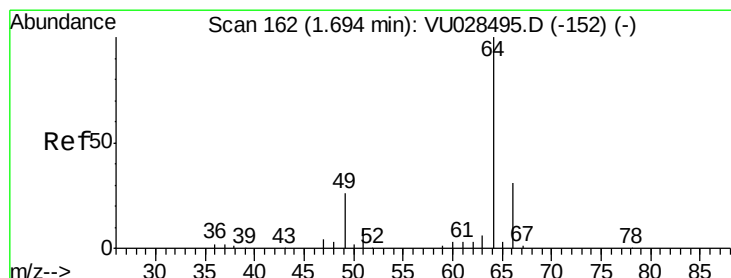
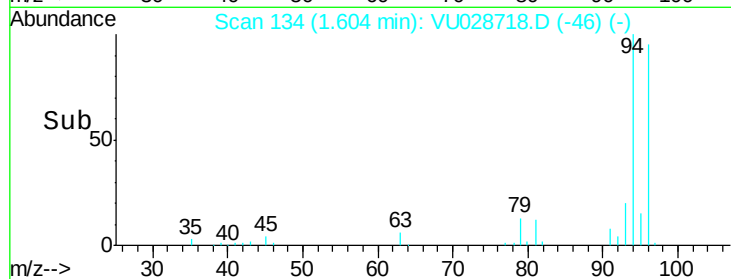
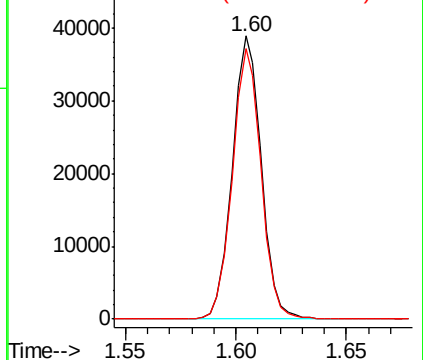
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.991 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028718.D

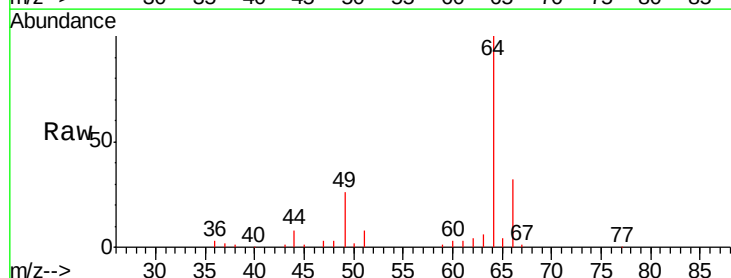
Acq: 17 Dec 2018 14:18

Tgt Ion: 64 Resp: 40794

Ion Ratio Lower Upper

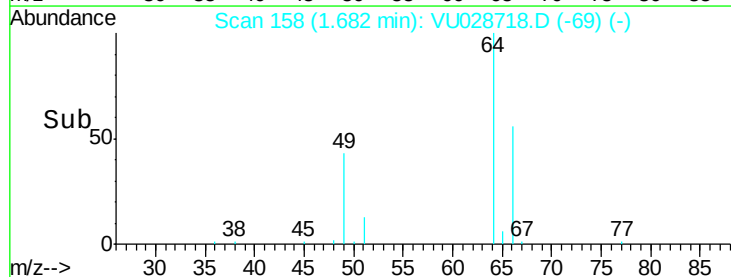
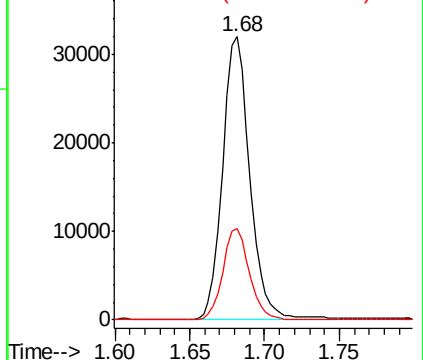
64 100

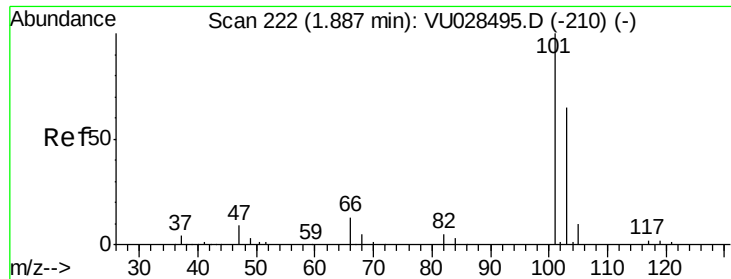
66 32.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

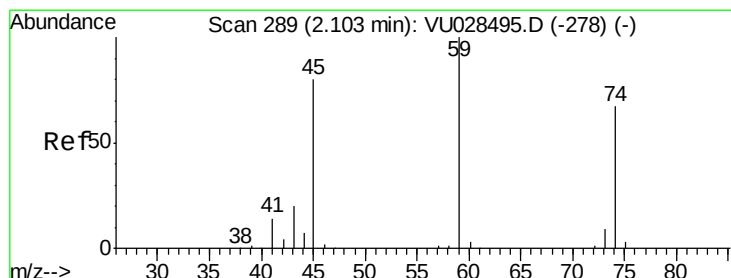
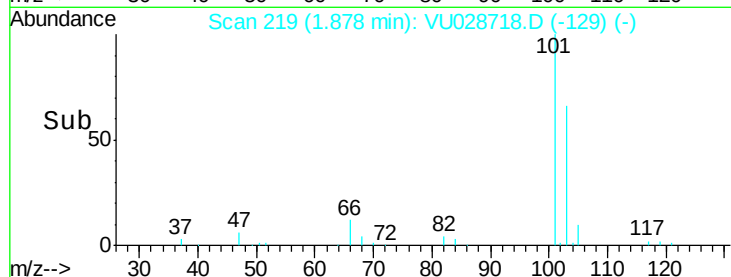
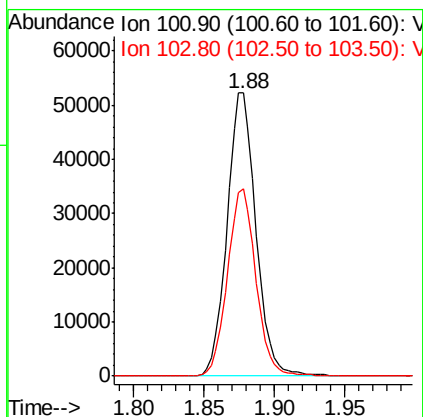
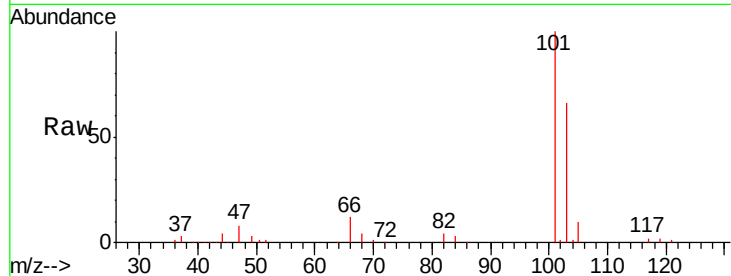
Trichlorofluoromethane
 Concen: 48.219 ug/l
 RT: 1.88 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Instrument :
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 EP1-MW-J-1218MSD

Tgt Ion: 101 Resp: 74617
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.3 78.5

Manual Integrations
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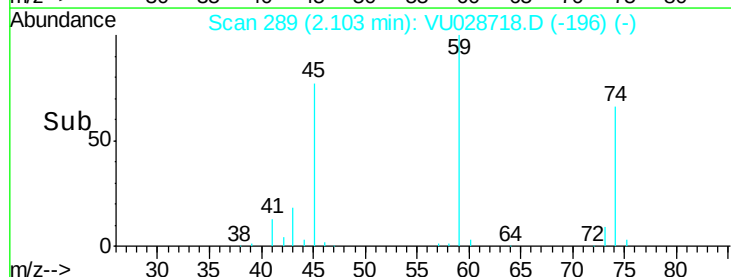
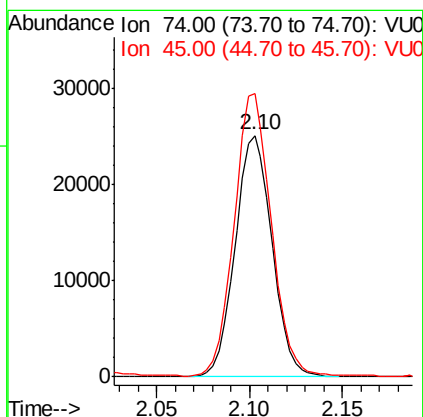
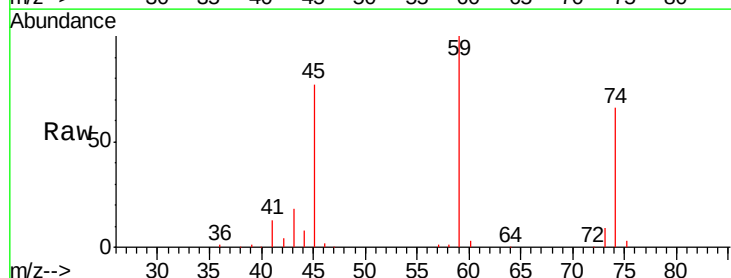
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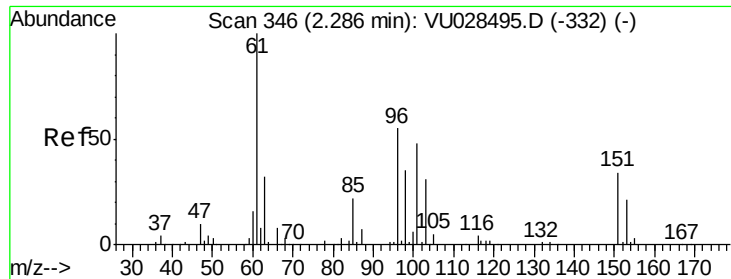


#8

Diethyl Ether
 Concen: 47.976 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion: 74 Resp: 34735
 Ion Ratio Lower Upper
 74 100
 45 118.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.894 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

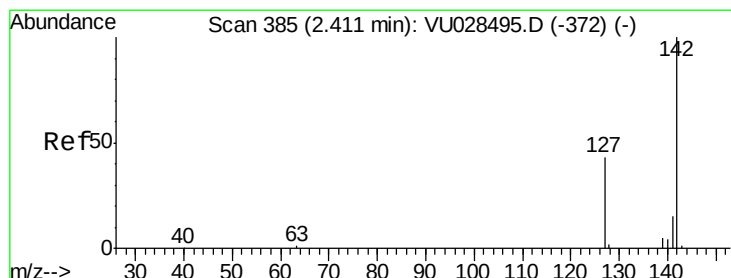
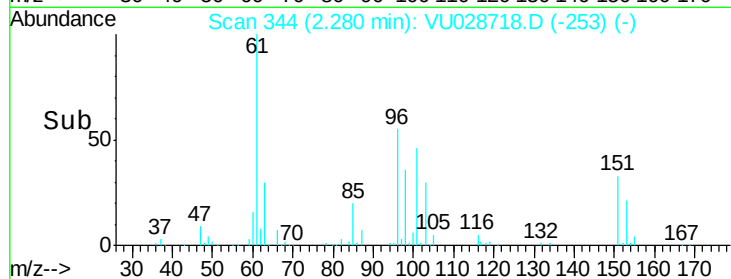
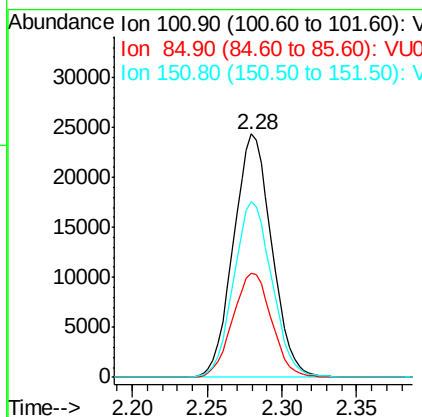
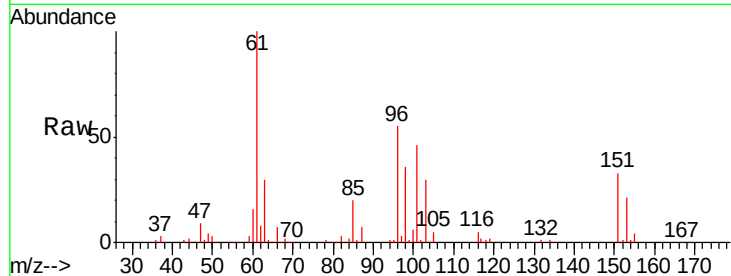
ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion:	101	Resp:	43401
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.4	54.6
151	72.2	58.2	87.2

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#10

Methyl Iodide

Concen: 64.940 ug/l

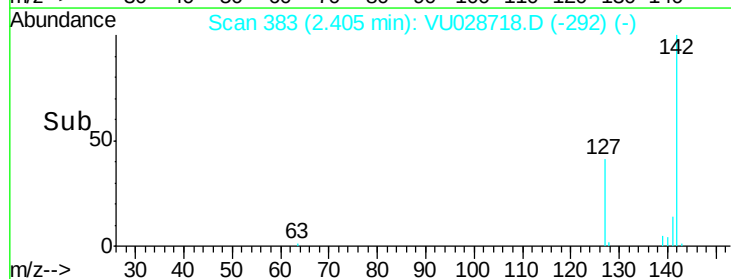
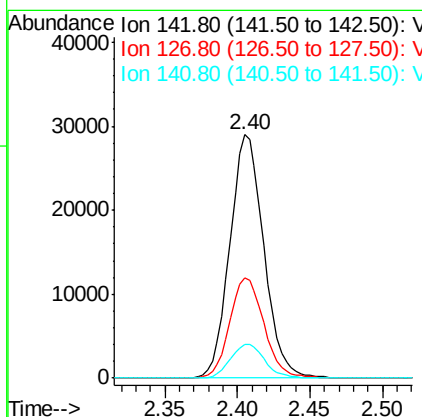
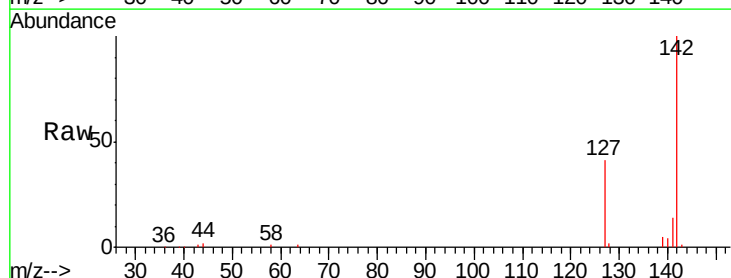
RT: 2.40 min Scan# 383

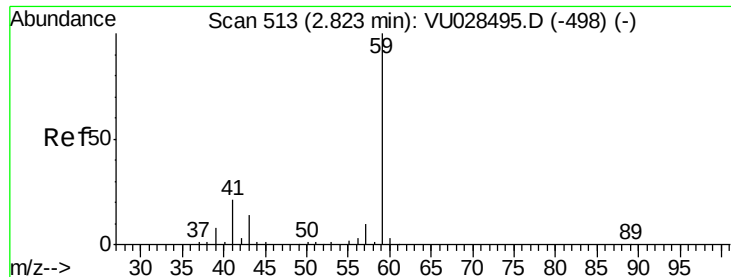
Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion:	142	Resp:	47159
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.5	50.3
141	13.9	11.2	16.8





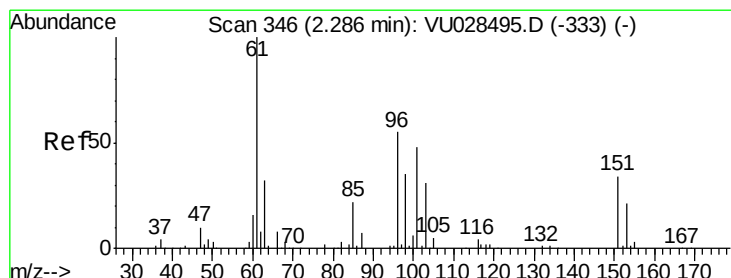
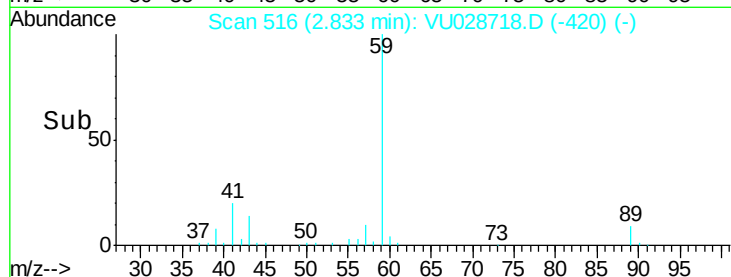
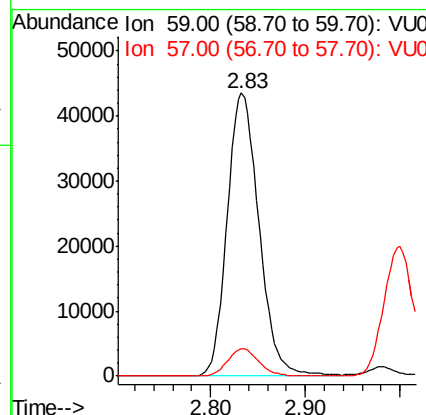
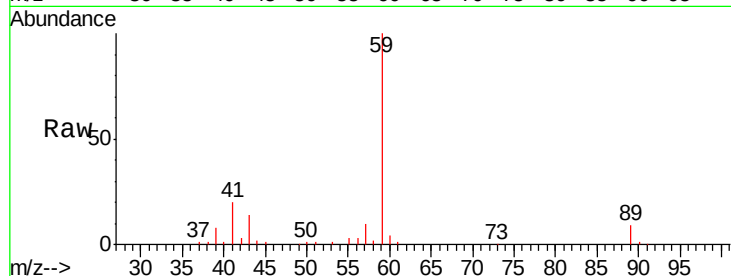
#11
Tert butyl alcohol
Concen: 362.031 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	101806		
57	9.5	8.0	12.0	

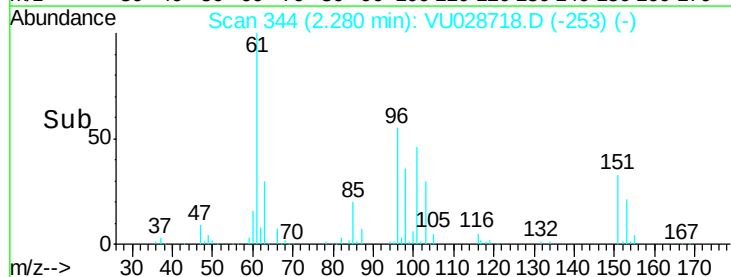
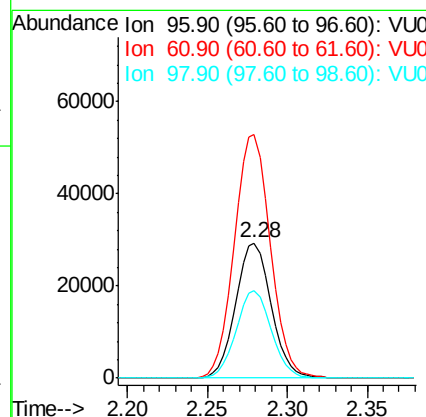
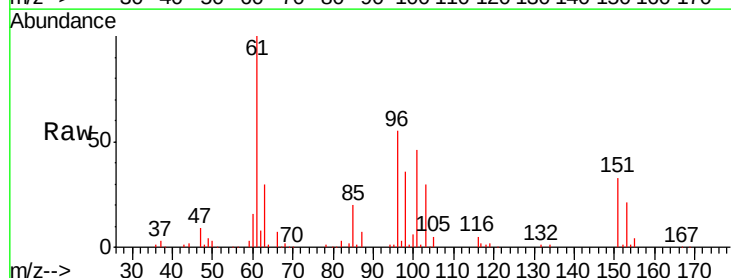
Manual Integrations
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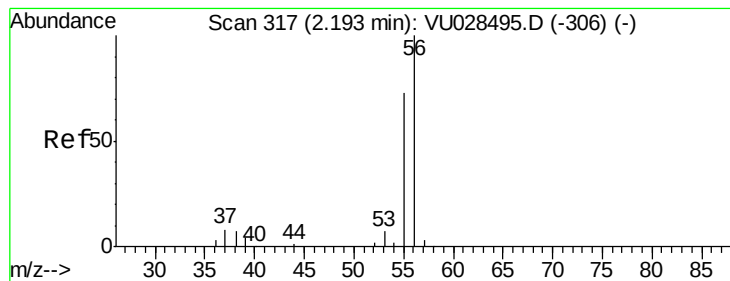
MMDadoda
12/18/2018 11:31:07 AM



#12
1,1-Dichloroethene
Concen: 47.959 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	44163		
61	180.2	146.4	219.6	
98	64.8	51.8	77.8	





#13

Acrolein

Concen: 332.653 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 56 Resp: 74573

Ion Ratio Lower Upper

56 100

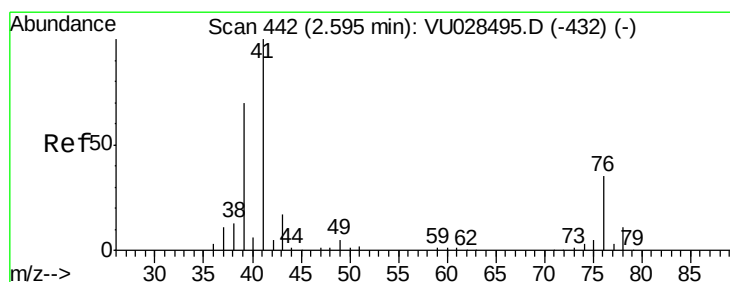
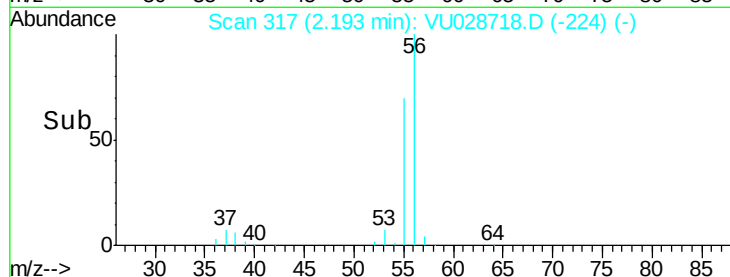
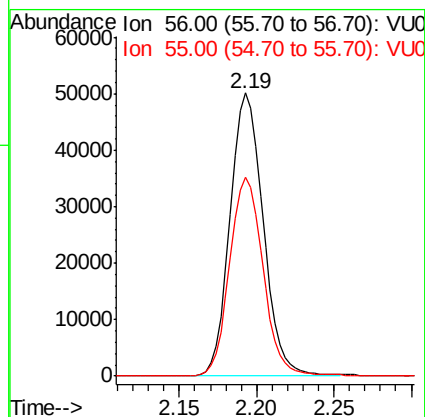
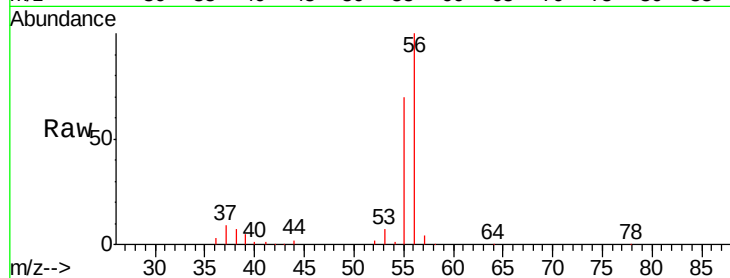
55 71.2 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 47.495 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

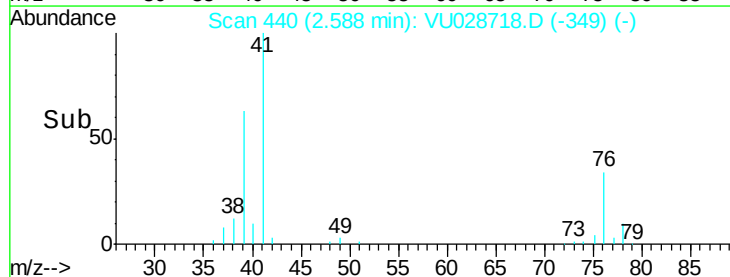
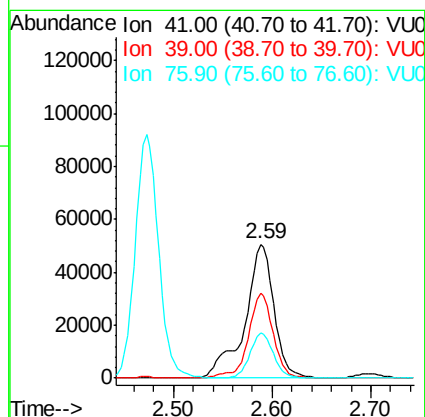
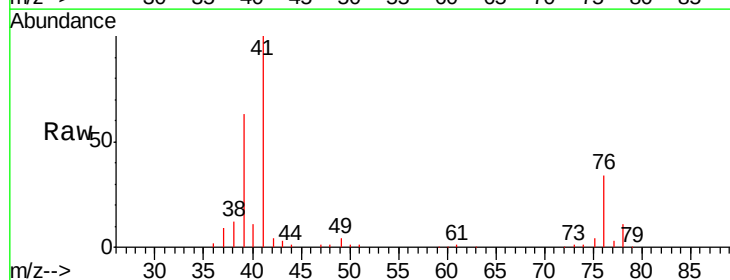
Tgt Ion: 41 Resp: 103465

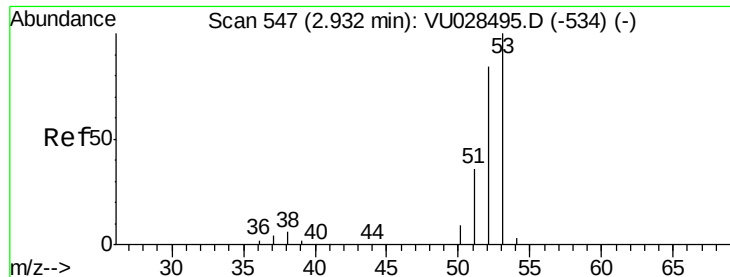
Ion Ratio Lower Upper

41 100

39 53.7 50.8 76.2

76 27.1 24.8 37.2





#15

Acrylonitrile

Concen: 296.382 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

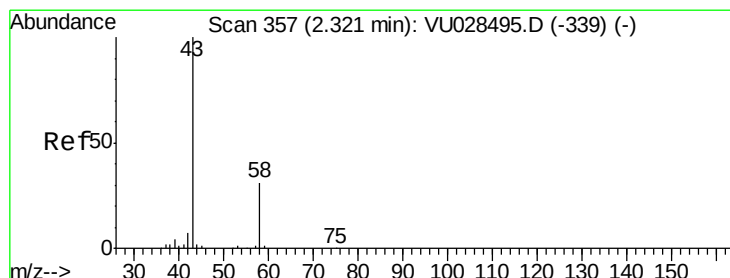
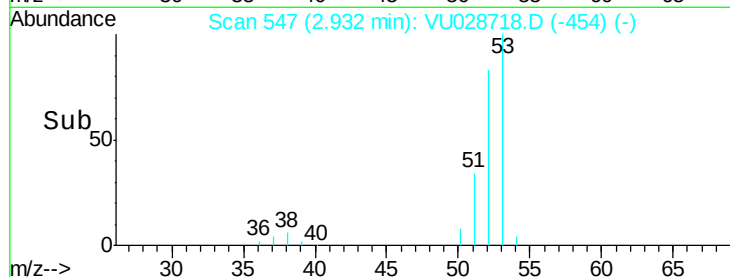
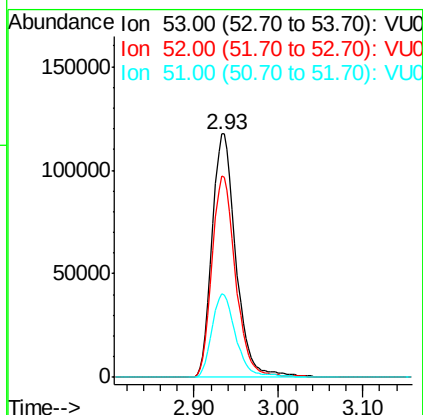
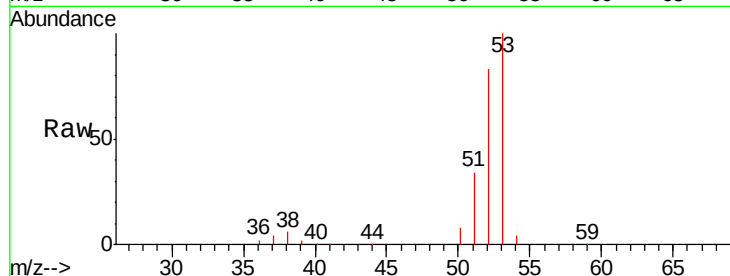
ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion:	53	Resp:	231392
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	34.5	28.1	42.1

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#16

Acetone

Concen: 245.575 ug/l

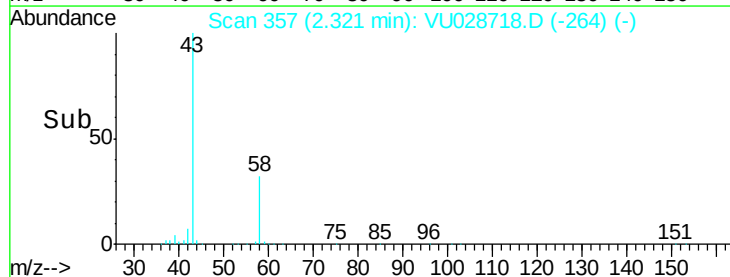
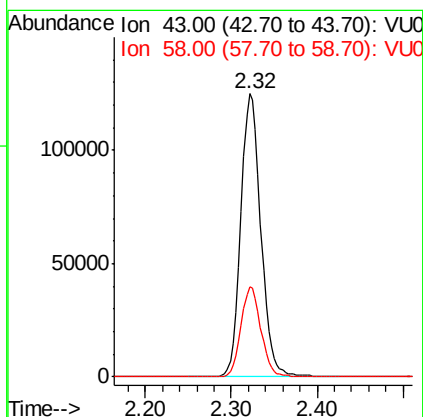
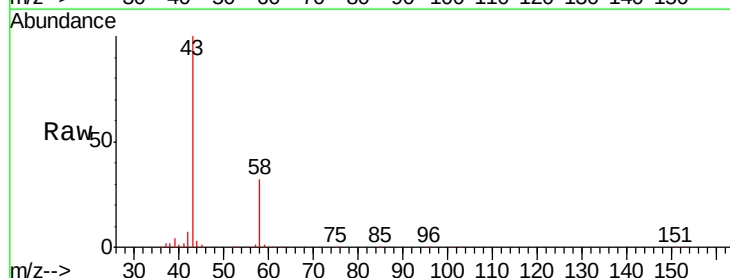
RT: 2.32 min Scan# 357

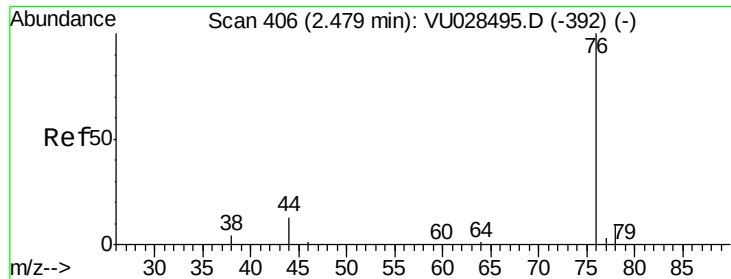
Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion:	43	Resp:	202263
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.6	37.0





#17

Carbon Disulfide

Concen: 45.556 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 76 Resp: 151127

Ion Ratio Lower Upper

76 100

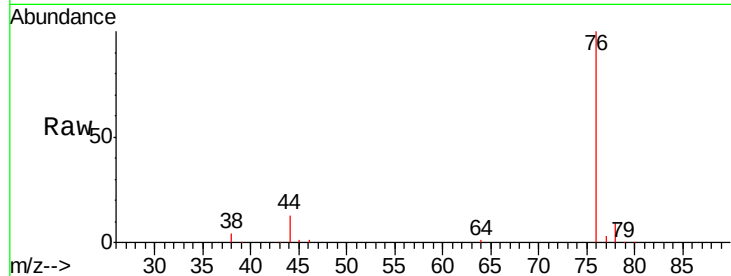
78 8.8 7.2 10.8

Manual Integrations

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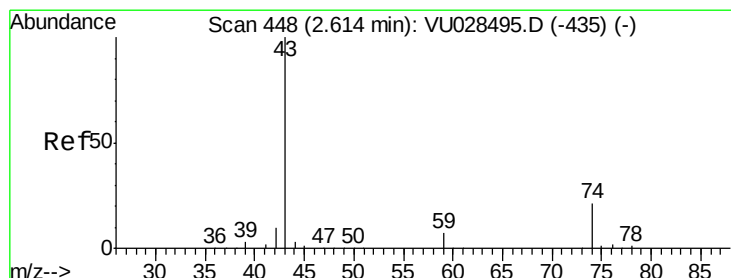
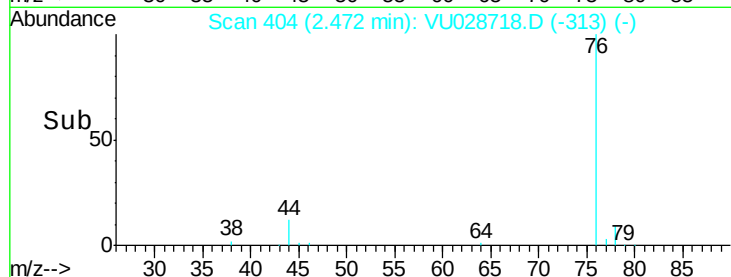
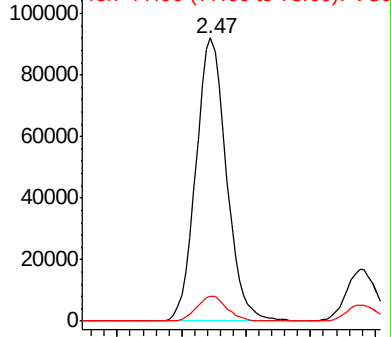
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 45.645 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028718.D

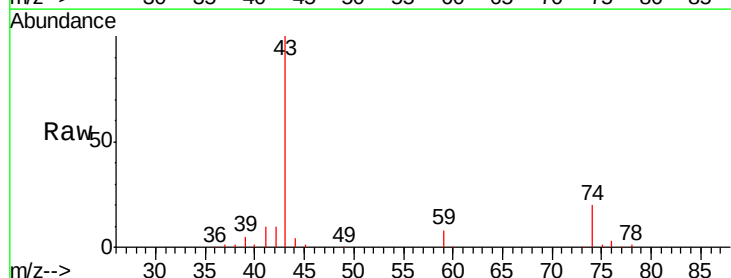
Acq: 17 Dec 2018 14:18

Tgt Ion: 43 Resp: 97454

Ion Ratio Lower Upper

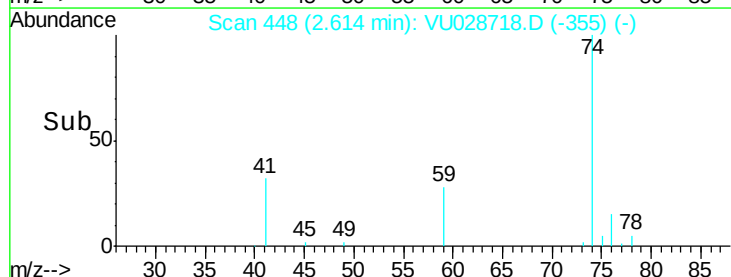
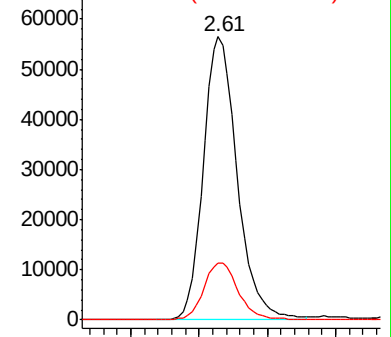
43 100

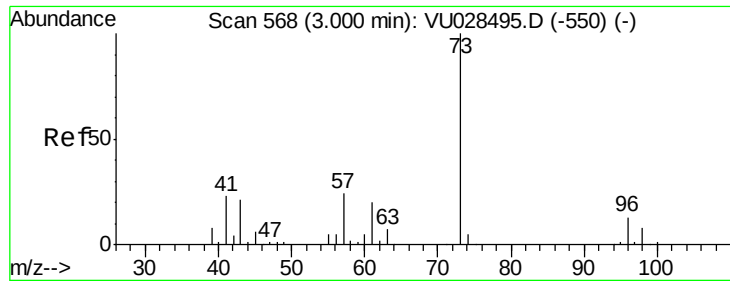
74 20.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





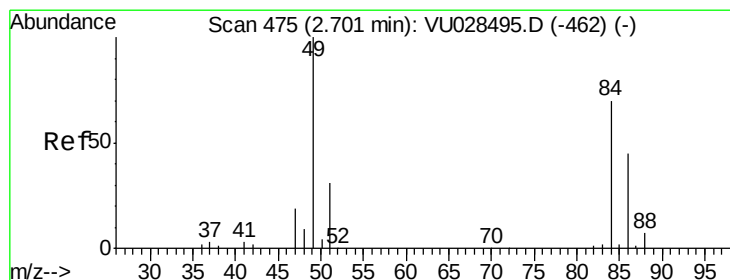
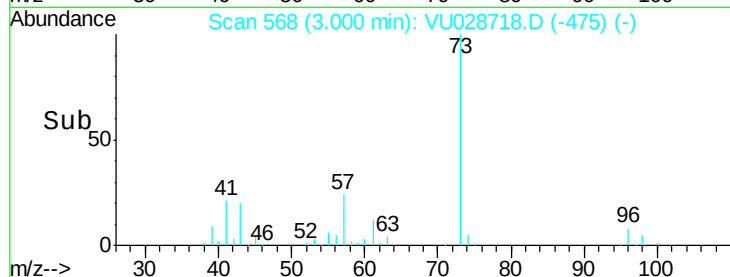
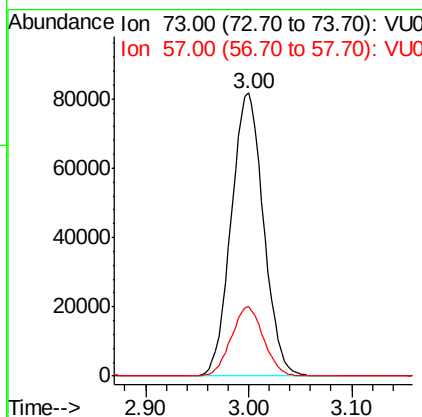
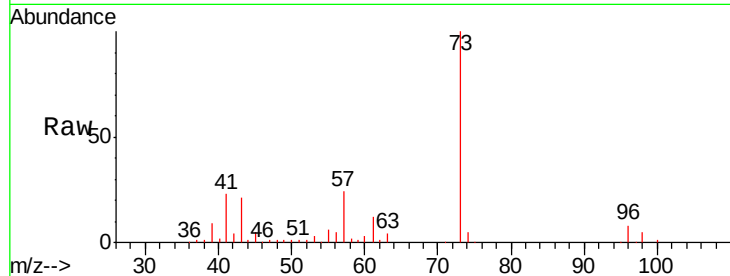
#19
Methyl tert-butyl Ether
Concen: 51.063 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion: 73 Resp: 178255
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2

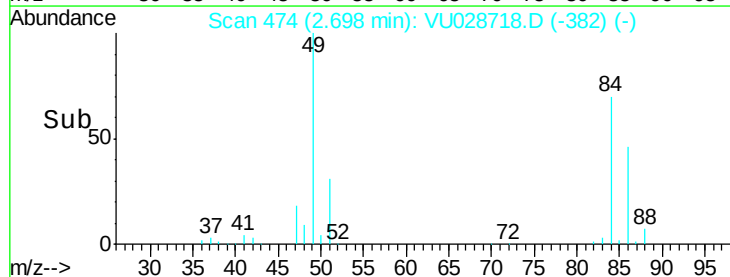
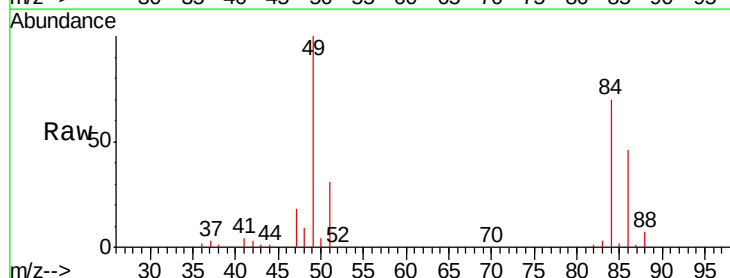
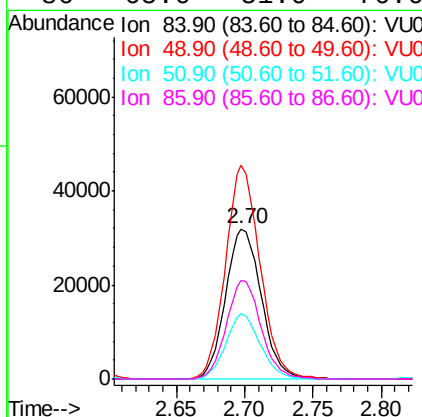
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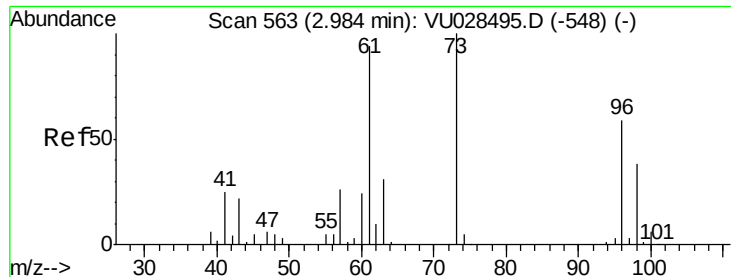
MMDadoda
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#20
Methylene Chloride
Concen: 47.846 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 84 Resp: 58092
Ion Ratio Lower Upper
84 100
49 142.0 114.0 171.0
51 43.3 35.1 52.7
86 65.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.572 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

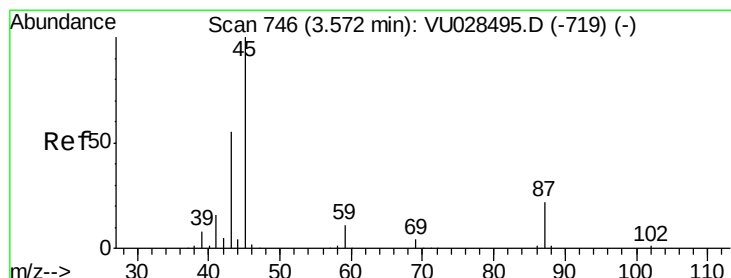
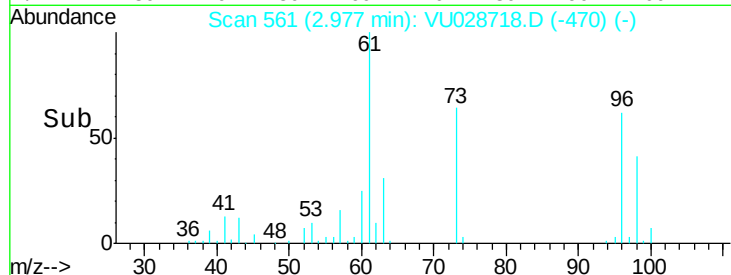
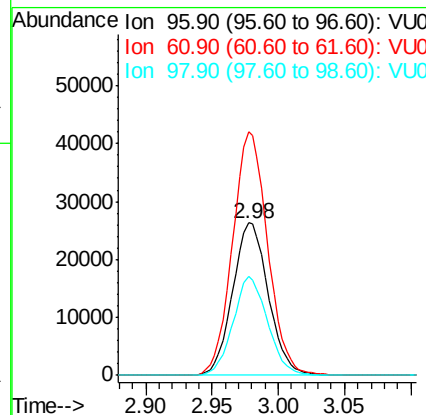
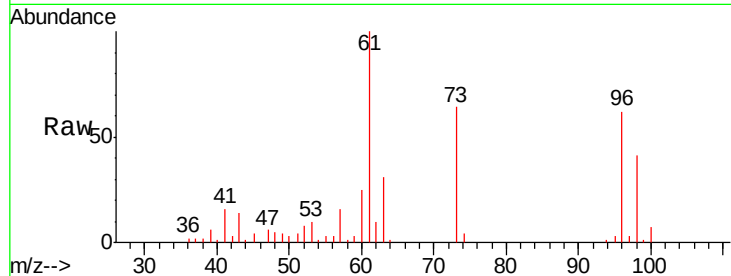
ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion:	96	Resp:	49323
Ion	Ratio	Lower	Upper
96	100		
61	160.0	127.0	190.4
98	65.1	51.9	77.9

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#22

Diisopropyl ether

Concen: 51.139 ug/l

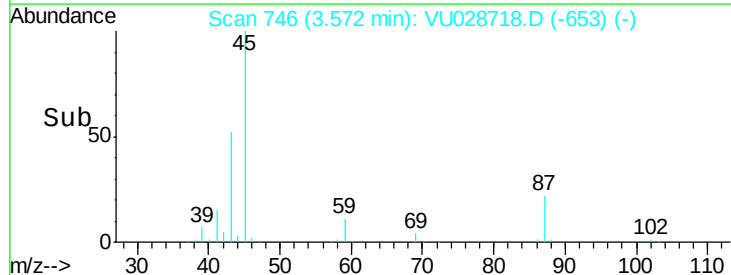
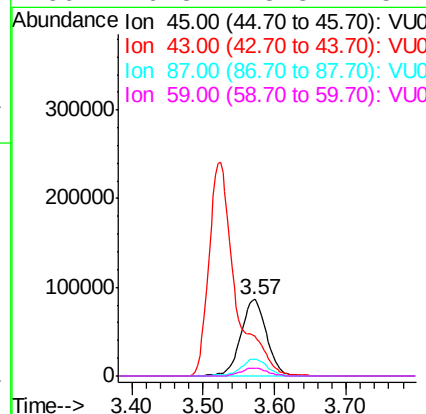
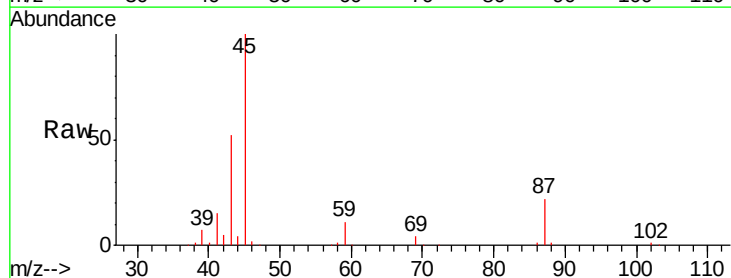
RT: 3.57 min Scan# 746

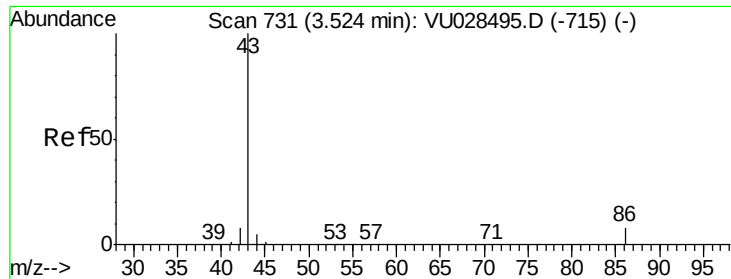
Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion:	45	Resp:	216642
Ion	Ratio	Lower	Upper
45	100		
43	51.7	45.3	67.9
87	22.4	17.6	26.4
59	10.8	8.8	13.2





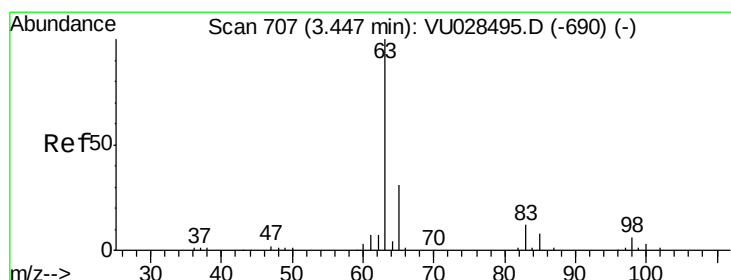
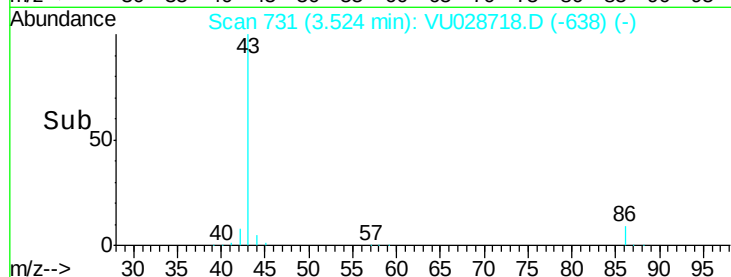
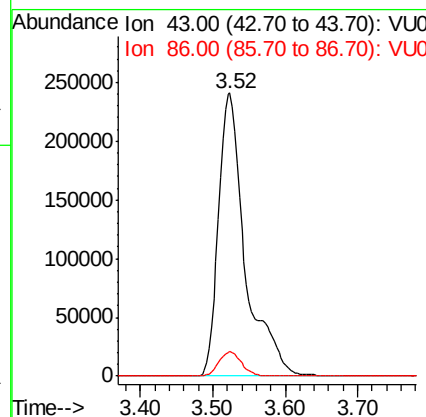
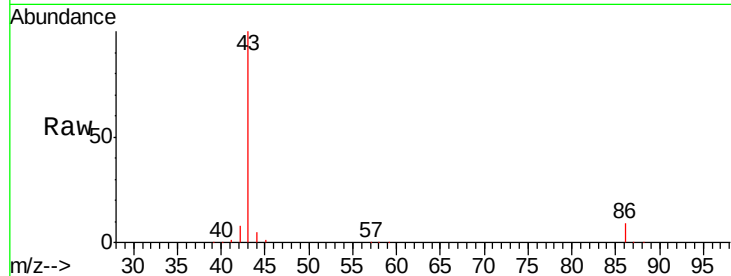
#23
 Vinyl Acetate
 Concen: 176.409 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion: 43 Resp: 616429
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.8 10.2

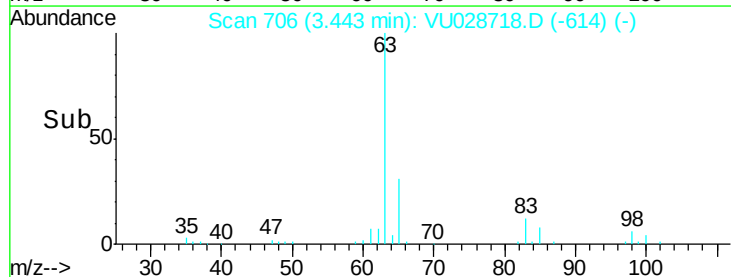
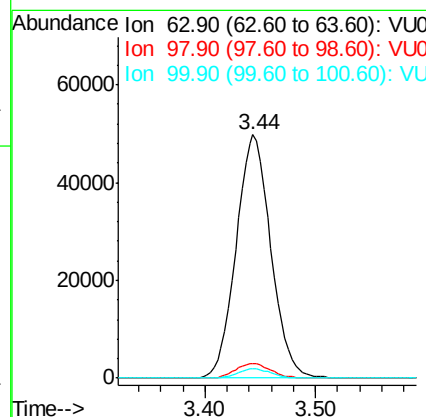
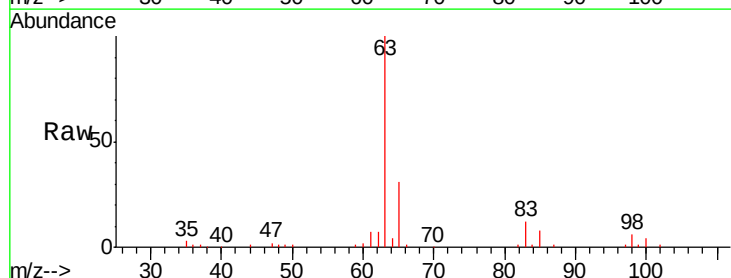
Manual Integrations
 APPROVED

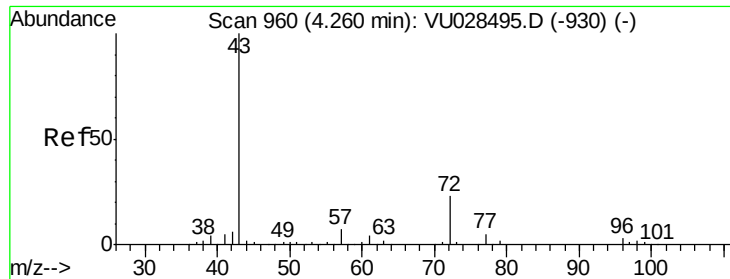
MMDadoda
 12/18/2018 11:31:07 AM



#24
 1,1-Dichloroethane
 Concen: 48.925 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion: 63 Resp: 108493
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 4.0 1.7 5.1





#25

2-Butanone

Concen: 291.568 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 43 Resp: 328180

Ion Ratio Lower Upper

43 100

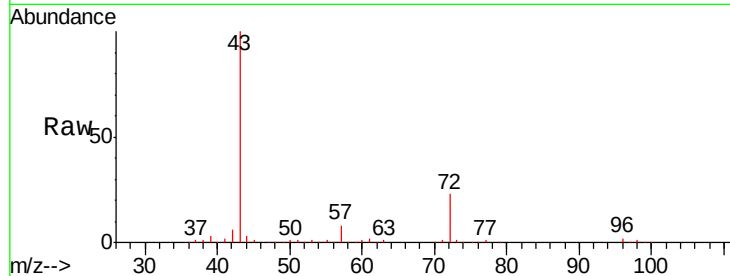
72 23.5 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

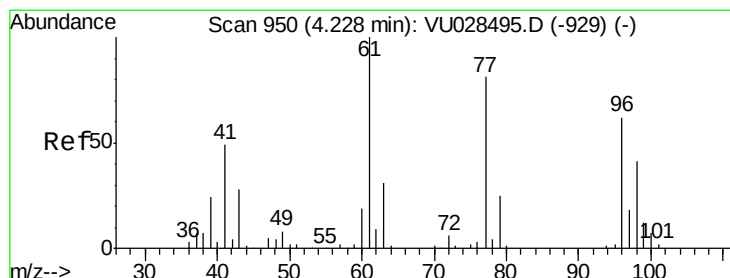
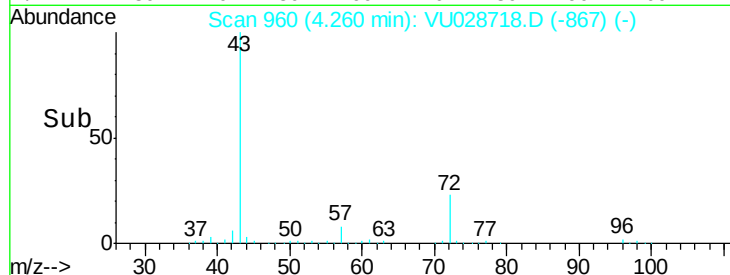
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 16.797 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028718.D

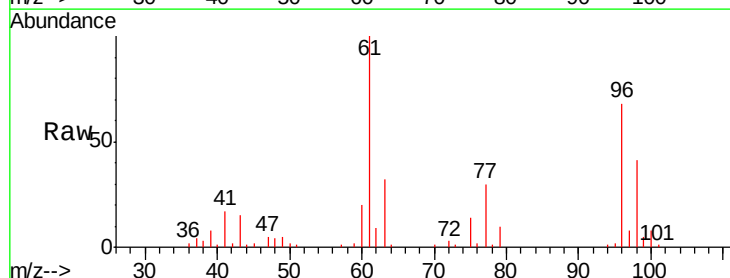
Acq: 17 Dec 2018 14:18

Tgt Ion: 77 Resp: 29513

Ion Ratio Lower Upper

77 100

97 25.9 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

12000

10000

8000

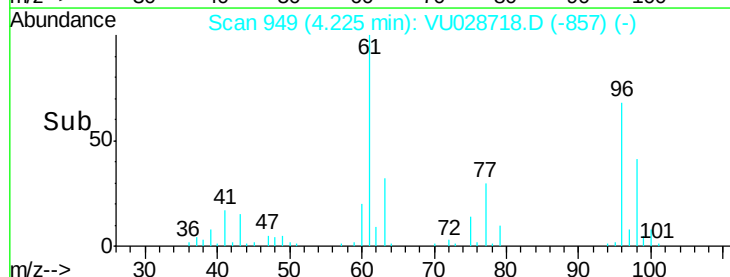
6000

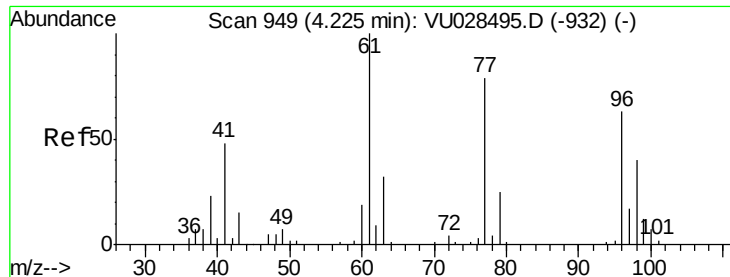
4000

2000

0

Time--> 4.10 4.15 4.20 4.25 4.30





#27

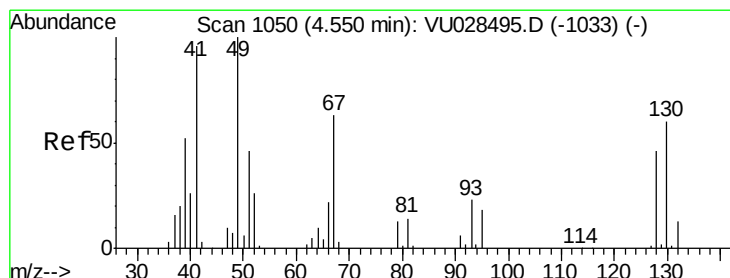
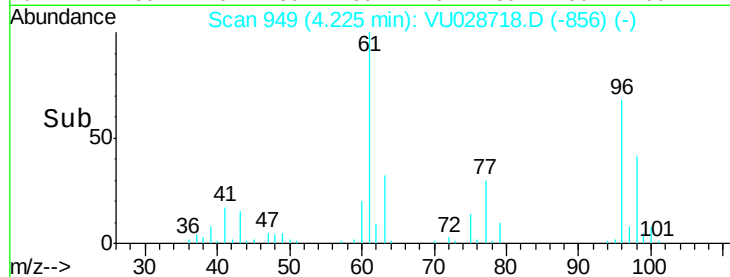
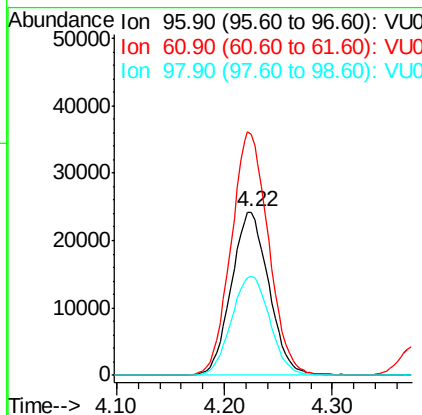
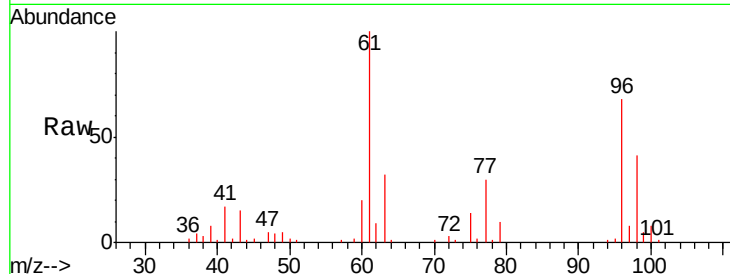
cis-1,2-Dichloroethene
Concen: 49.908 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	58568		
61	148.9	0.0	332.4	
98	62.1	0.0	129.0	

Manual Integrations
APPROVED

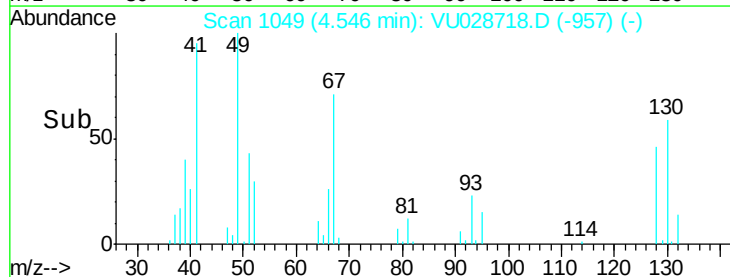
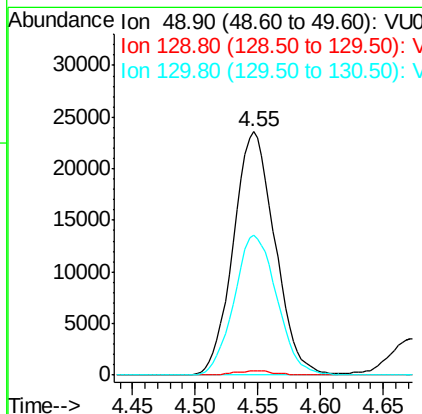
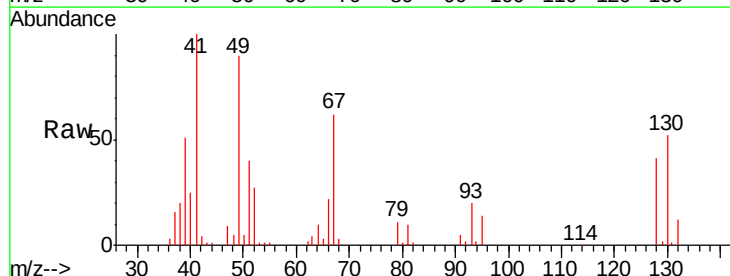
MMDadoda
12/18/2018 11:31:07 AM

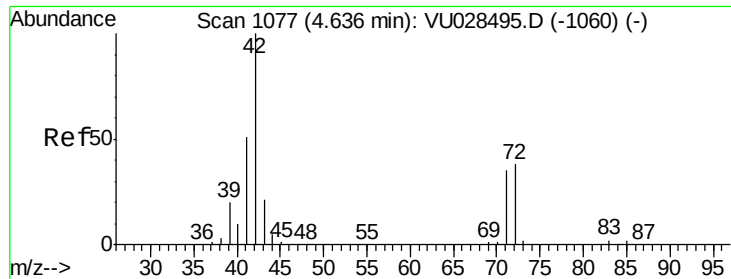


#28

Bromochloromethane
Concen: 53.925 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54362		
129	1.6	0.0	3.0	
130	58.8	47.8	71.8	





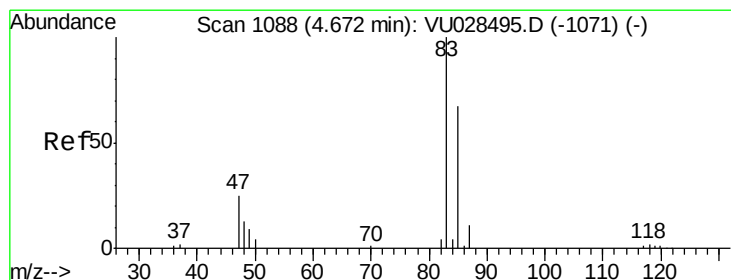
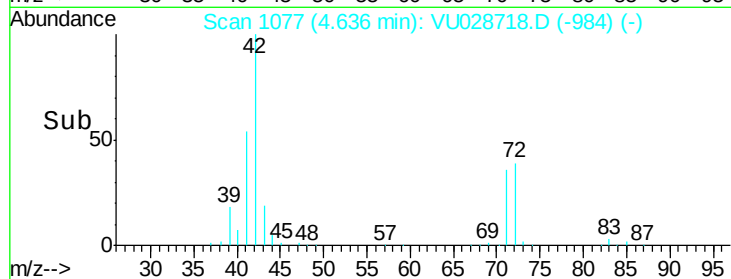
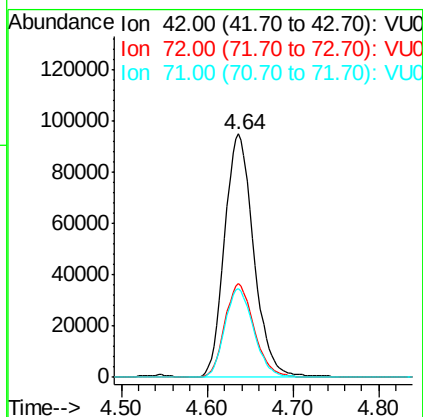
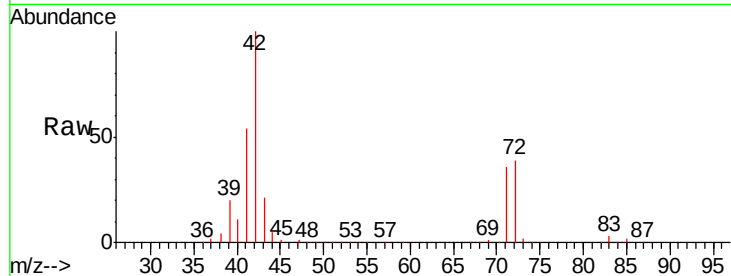
#29
Tetrahydrofuran
Concen: 310.795 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.4	47.0
71	36.0	28.6	43.0

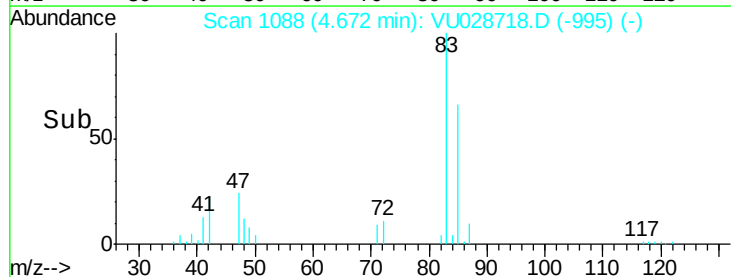
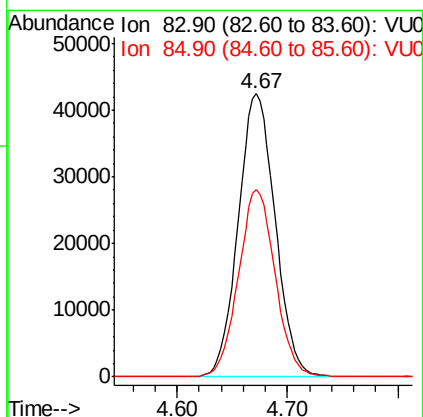
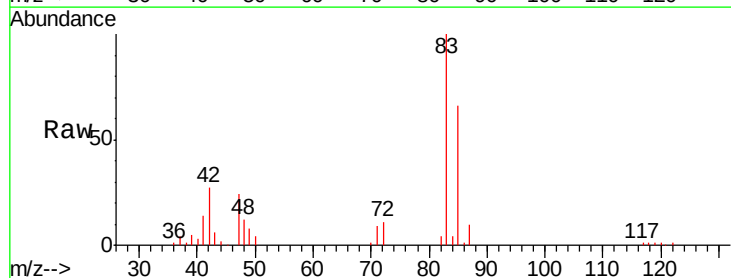
Manual Integrations
APPROVED

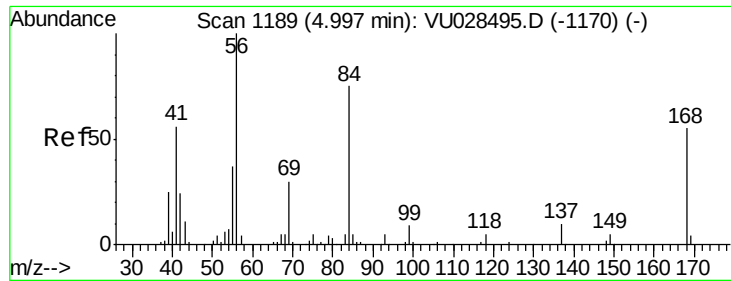
MMDadoda
12/18/2018 11:31:07 AM



#30
Chloroform
Concen: 50.978 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.6	80.4





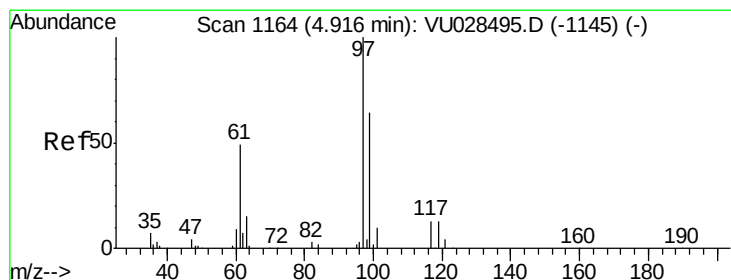
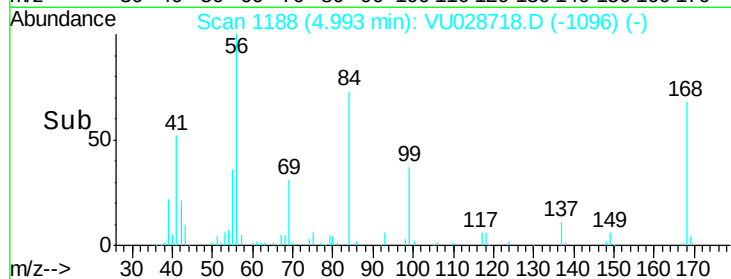
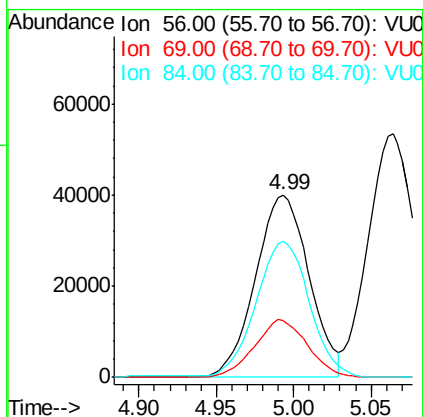
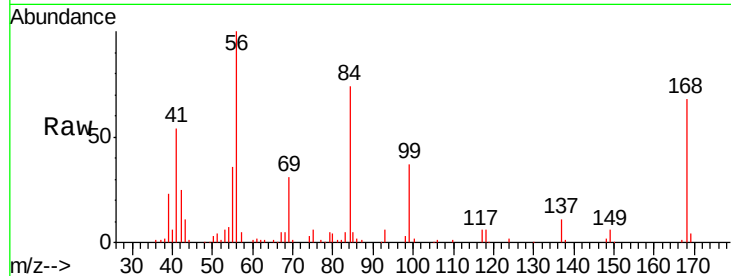
#31
Cyclohexane
Concen: 44.465 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.0	36.0
84	73.6	59.7	89.5

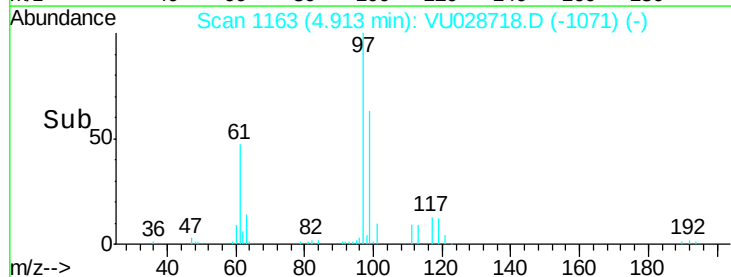
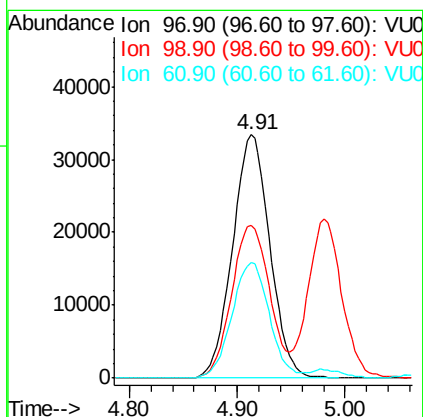
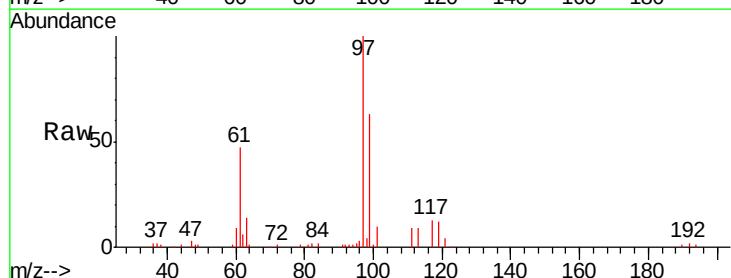
Manual Integrations
APPROVED

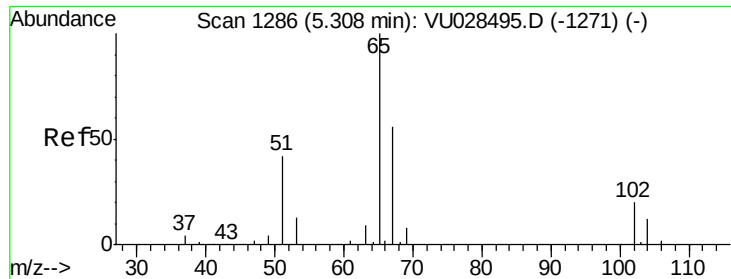
MMDadoda
12/18/2018 11:31:07 AM



#32
1,1,1-Trichloroethane
Concen: 50.007 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	47.8	39.0	58.6





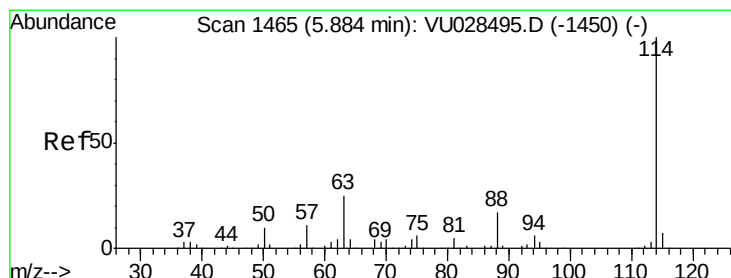
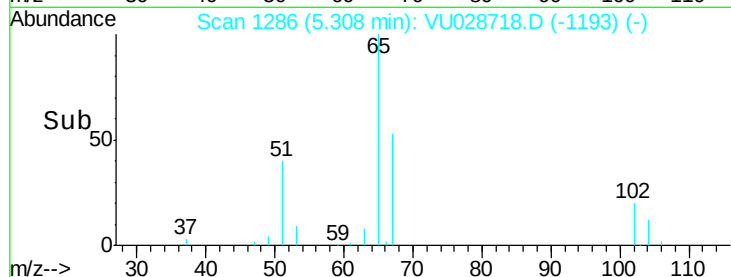
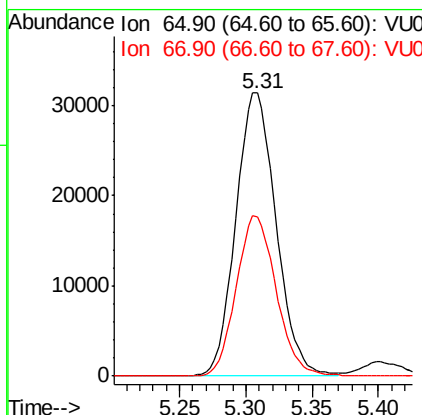
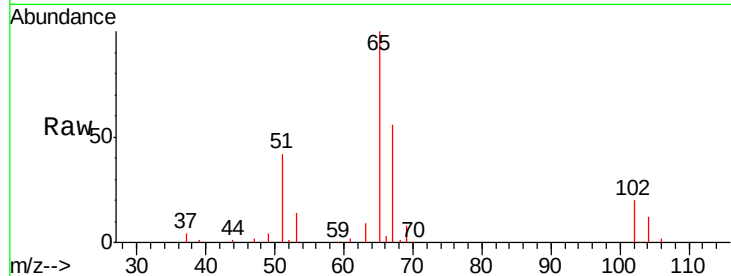
#33
 1,2-Dichloroethane-d4
 Concen: 52.649 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	66452		
67	56.1	0.0	110.6	

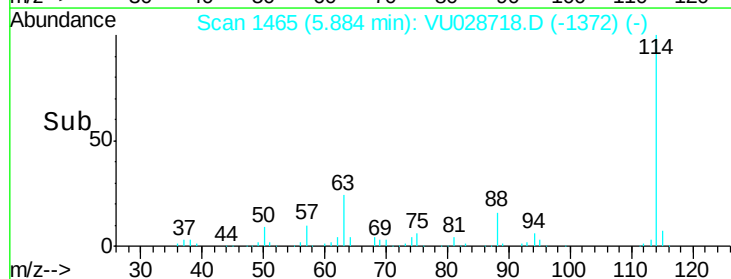
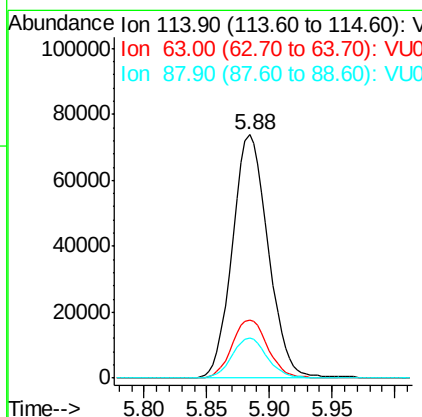
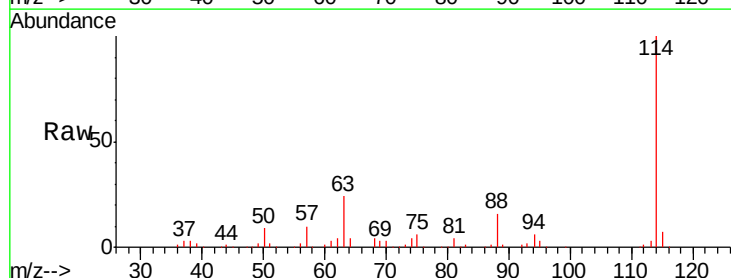
Manual Integrations
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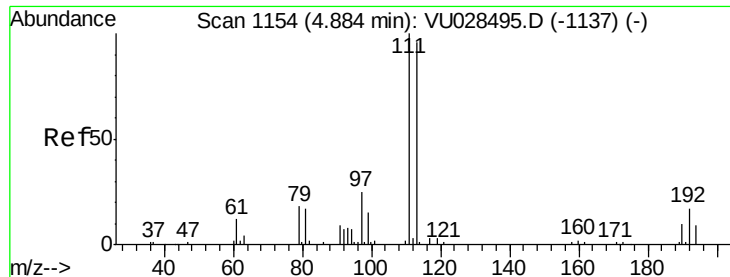
MMDadoda
 12/18/2018 11:31:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	146550		
63	23.9	0.0	49.2	
88	16.3	0.0	33.4	





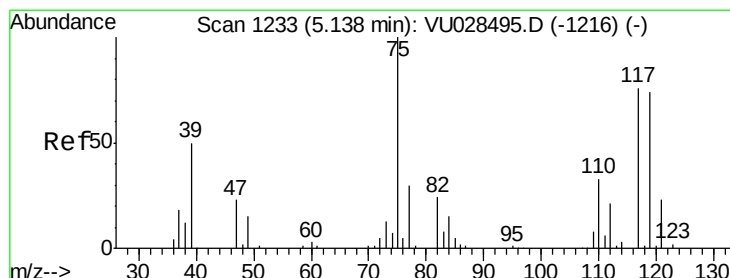
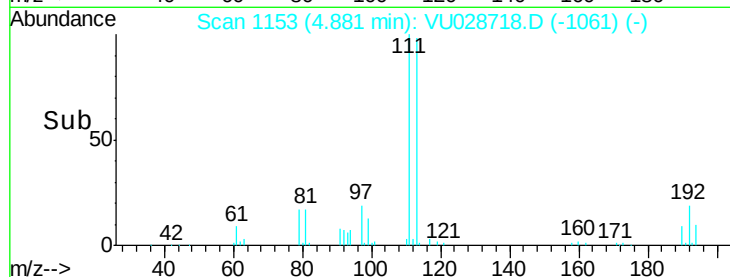
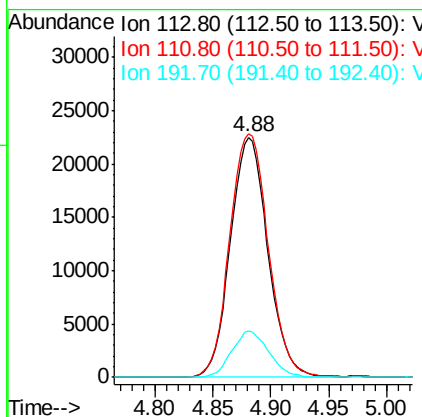
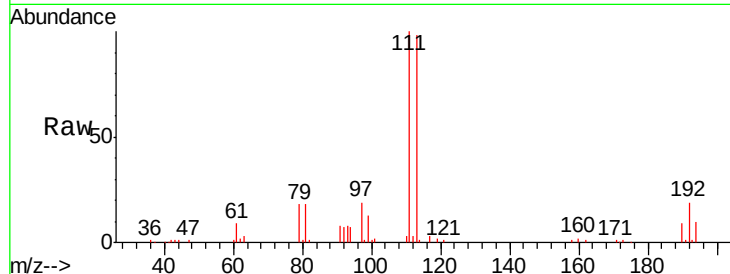
#35
 Dibromofluoromethane
 Concen: 54.692 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.4	125.0
192	18.9	14.8	22.2

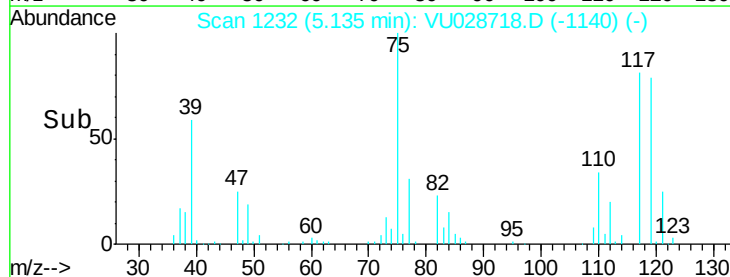
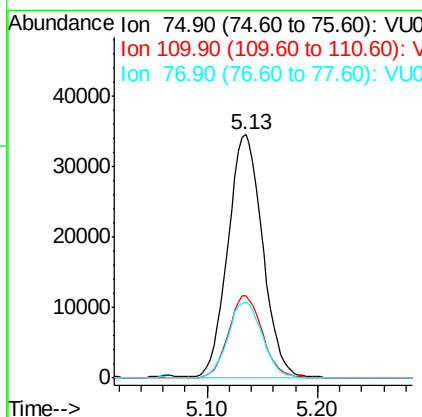
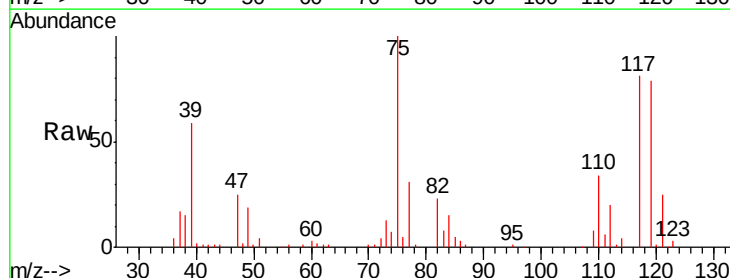
Manual Integrations
 APPROVED

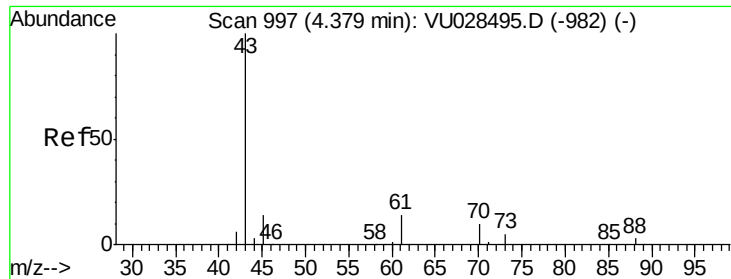
MMDadoda
 12/18/2018 11:31:07 AM



#36
 1,1-Dichloropropene
 Concen: 47.173 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.1	48.2
77	30.9	24.5	36.7





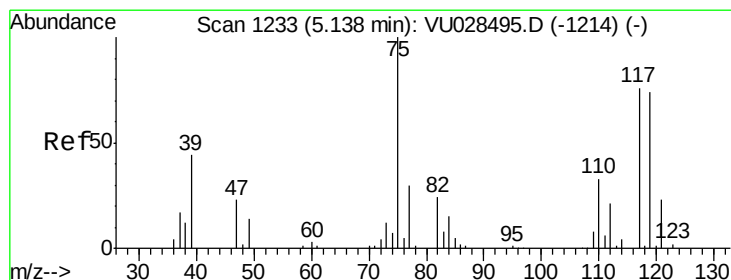
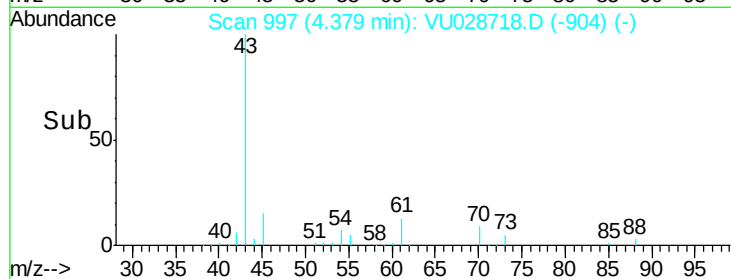
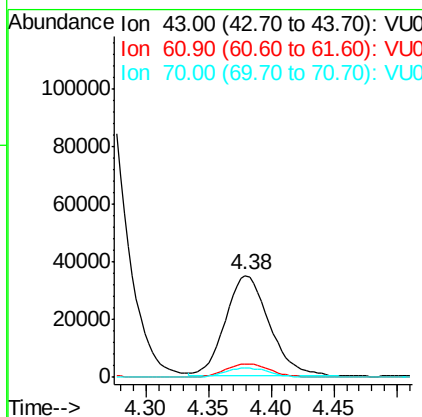
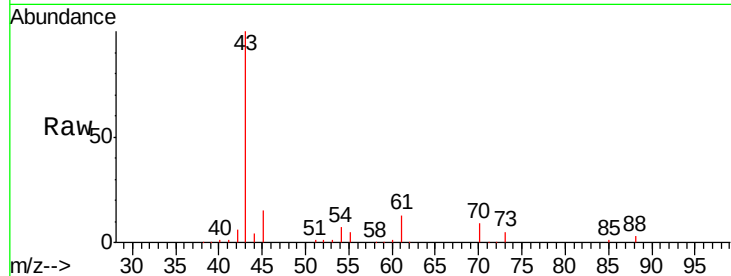
#37
Ethyl Acetate
Concen: 40.727 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.3	7.4	11.0

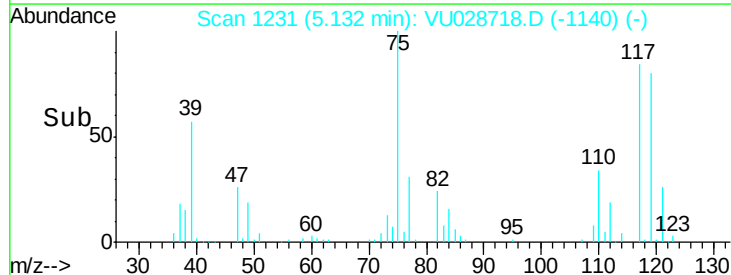
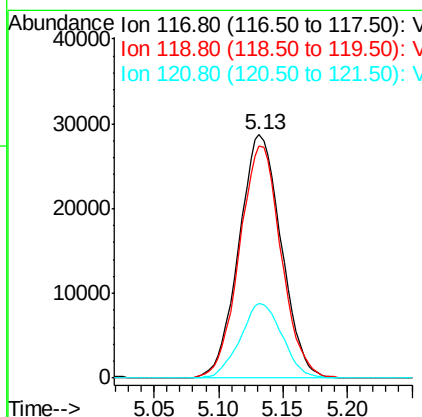
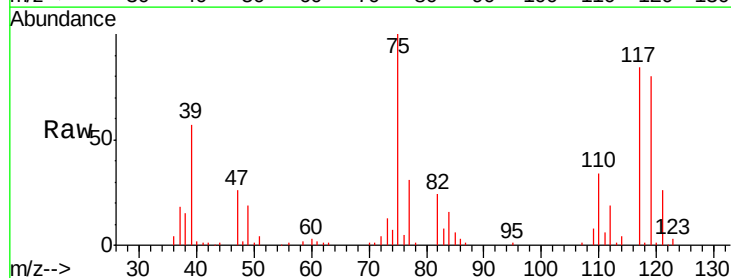
Manual Integrations
APPROVED

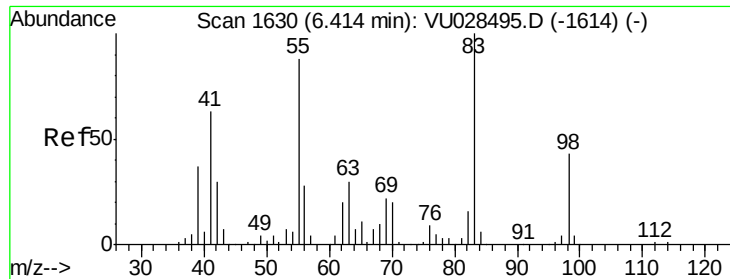
MMDadoda
12/18/2018 11:31:07 AM



#38
Carbon Tetrachloride
Concen: 50.784 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.6	116.4
121	30.4	24.6	36.8





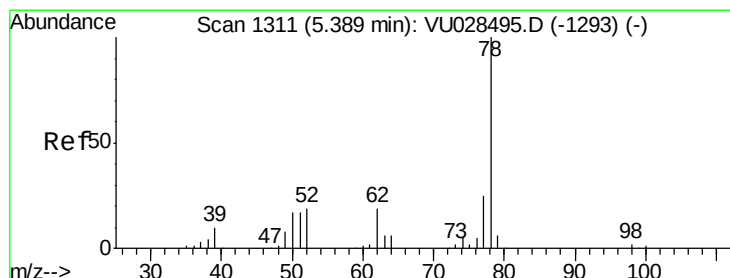
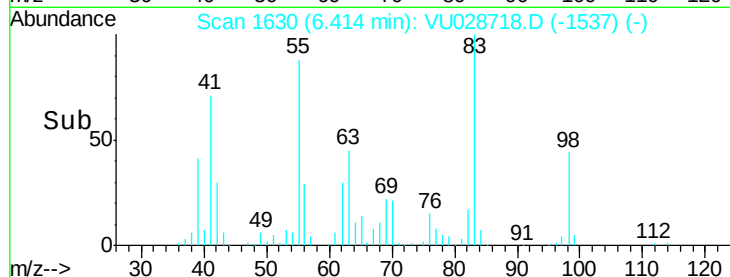
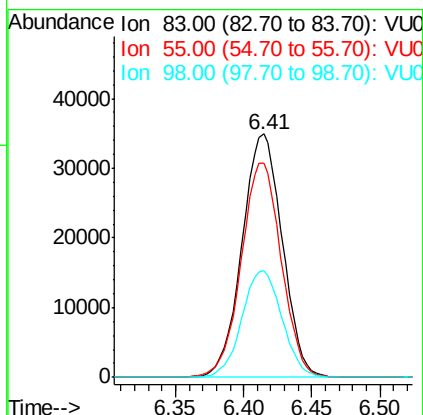
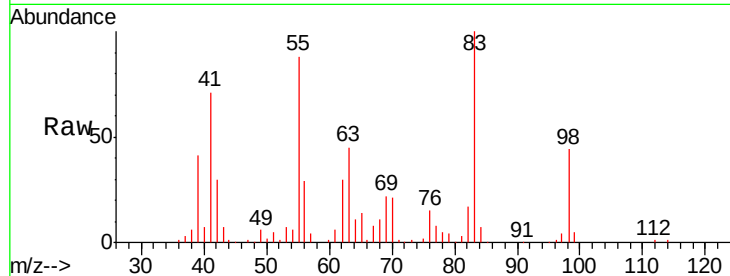
#39
Methylcyclohexane
Concen: 36.584 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.8	70.2	105.2
98	43.7	34.2	51.4

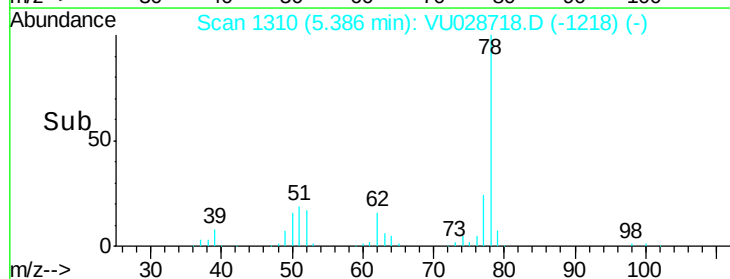
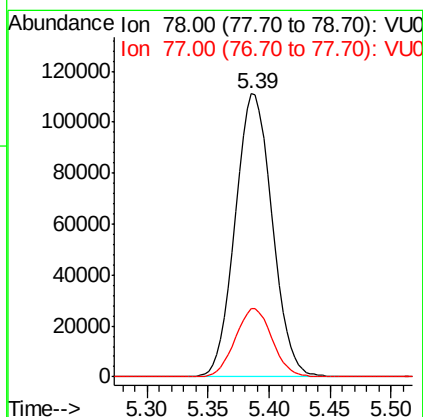
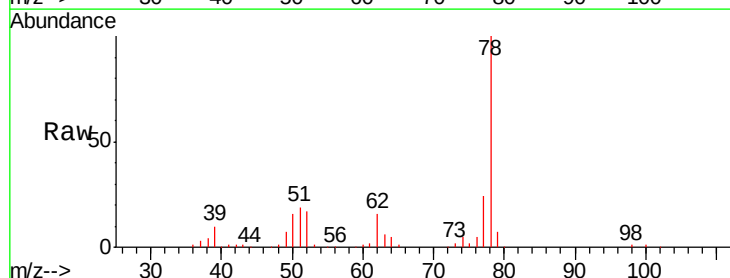
Manual Integrations
APPROVED

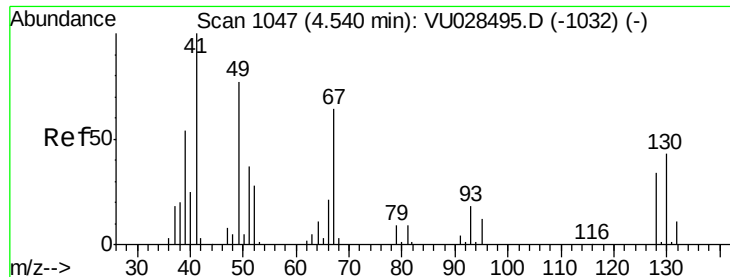
MMDadoda
12/18/2018 11:31:07 AM



#40
Benzene
Concen: 49.522 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





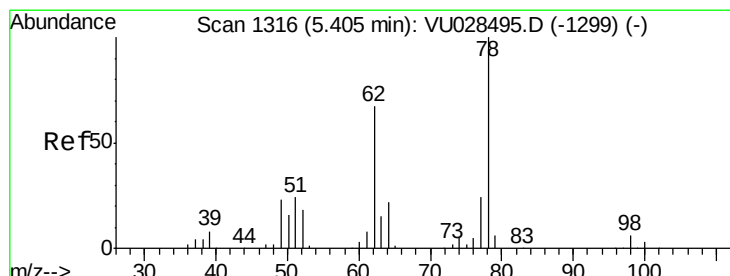
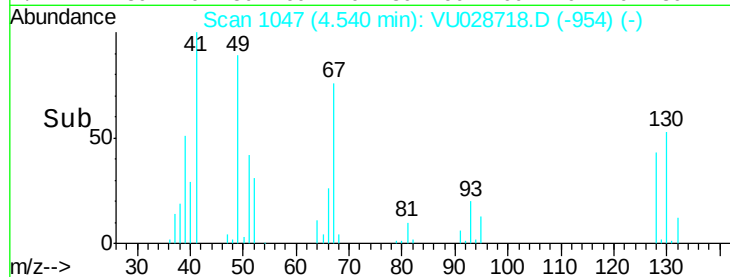
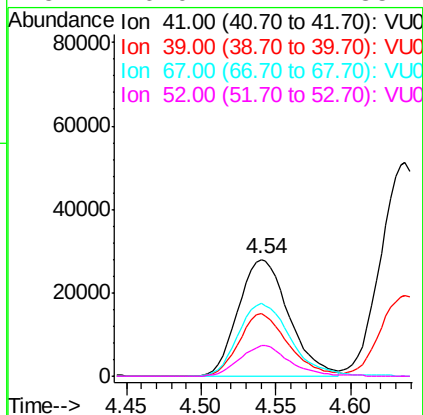
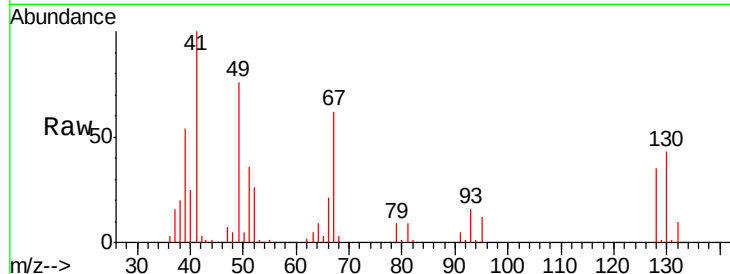
#41
Methacrylonitrile
Concen: 58.121 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	64.7	53.6	80.4
52	26.0	22.1	33.1

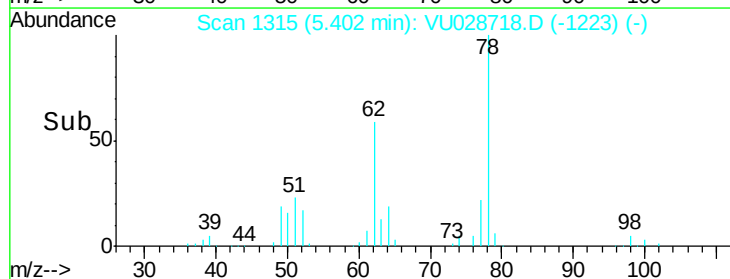
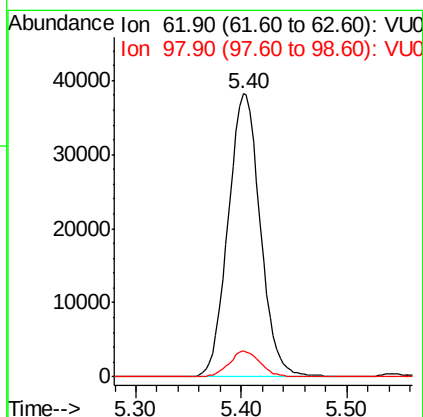
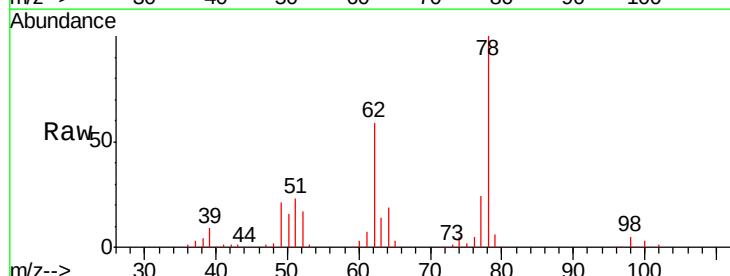
Manual Integrations
APPROVED

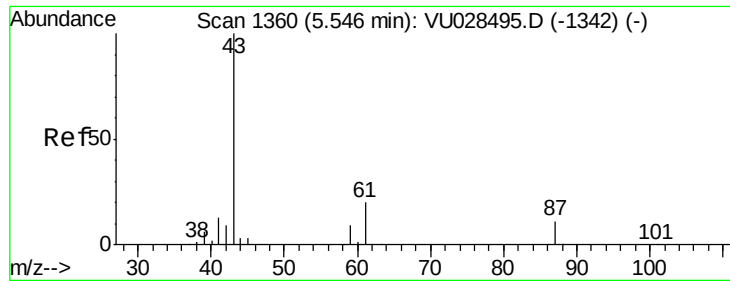
MMDadoda
12/18/2018 11:31:07 AM



#42
1,2-Dichloroethane
Concen: 48.808 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

Isopropyl Acetate

Concen: 45.763 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

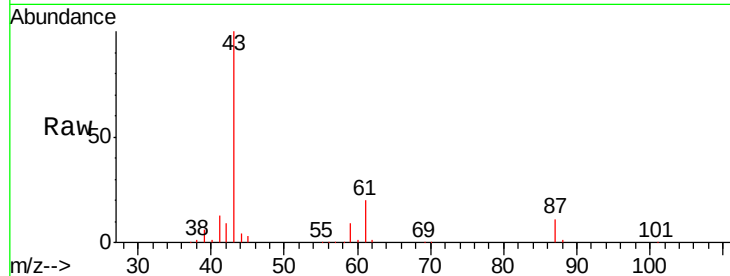
ClientSampleId :

EP1-MW-J-1218MSD

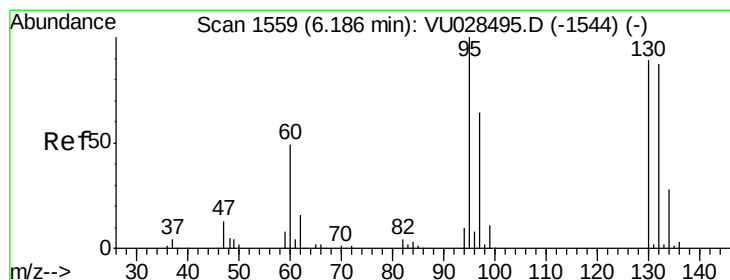
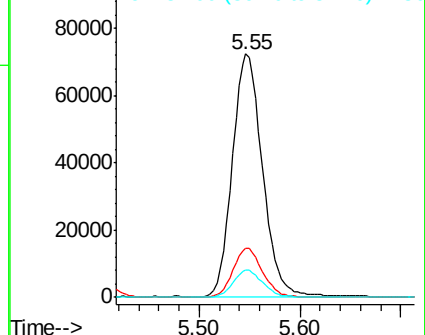
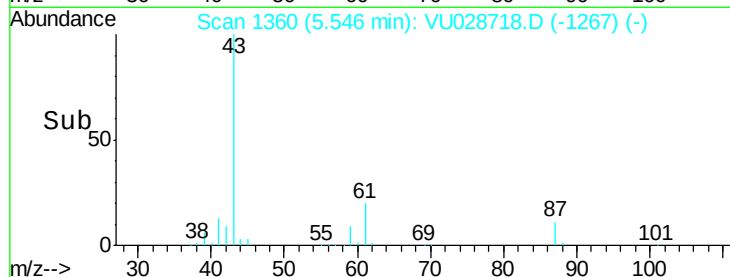
Tgt Ion:	43	Resp:	150057
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	11.1	8.7	13.1

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Abundance Ion 43.00 (42.70 to 43.70): VU028718.D (-1267) (-)



#44

Trichloroethene

Concen: 48.479 ug/l

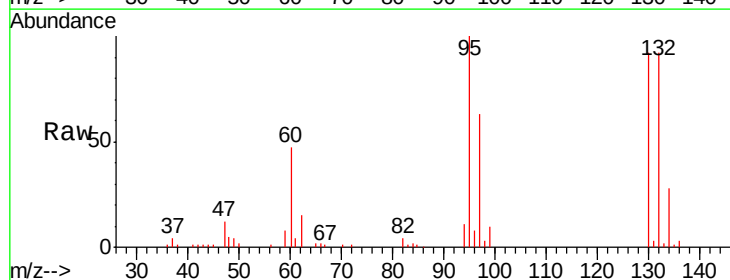
RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

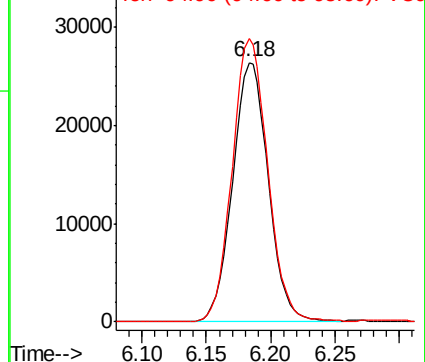
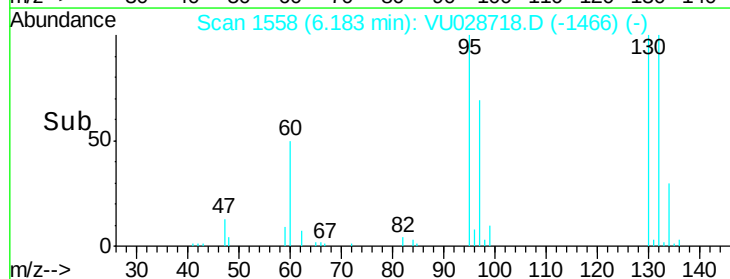
Lab File: VU028718.D

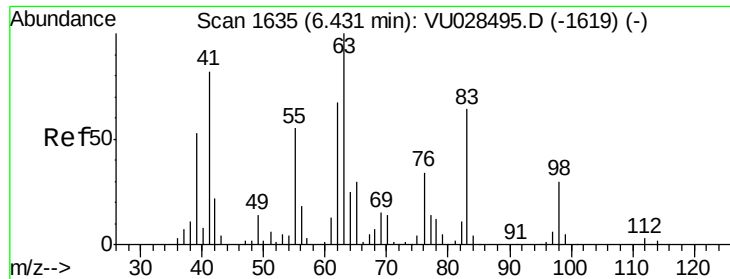
Acq: 17 Dec 2018 14:18

Tgt Ion:	130	Resp:	50912
Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028718.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 51.901 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 63 Resp: 68935

Ion Ratio Lower Upper

63 100

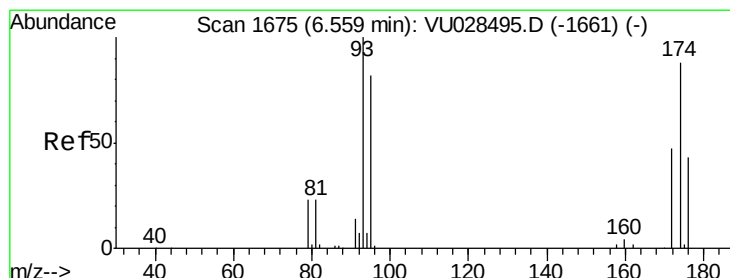
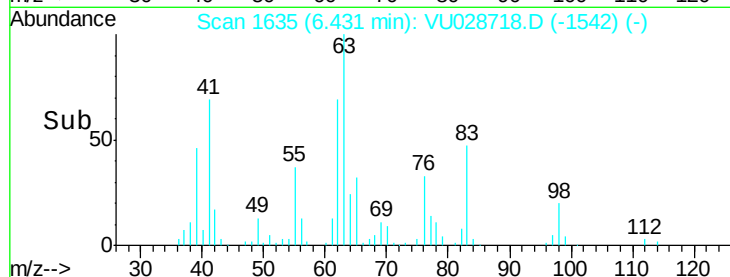
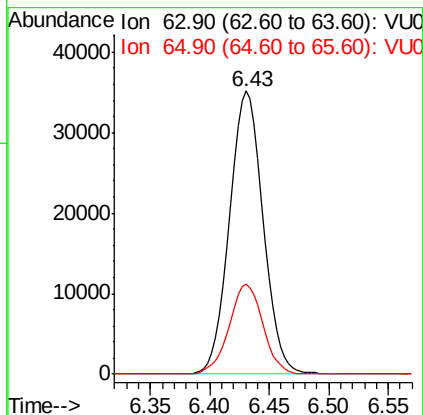
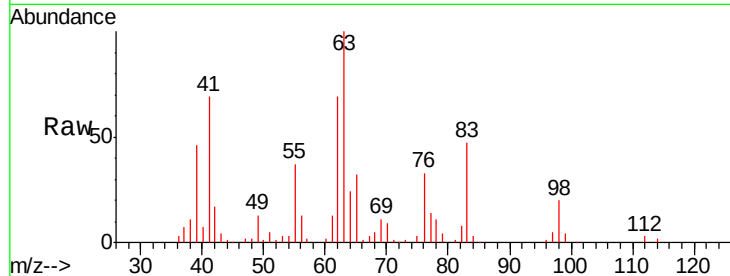
65 31.7 24.2 36.4

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#46

Dibromomethane

Concen: 51.171 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

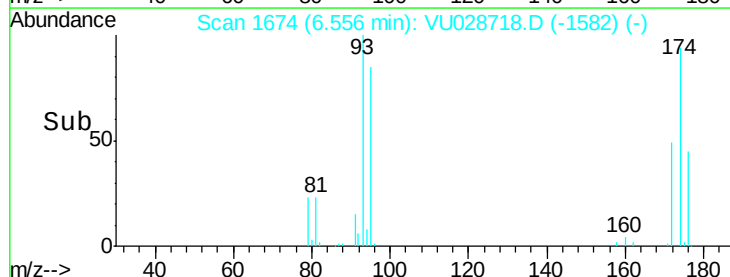
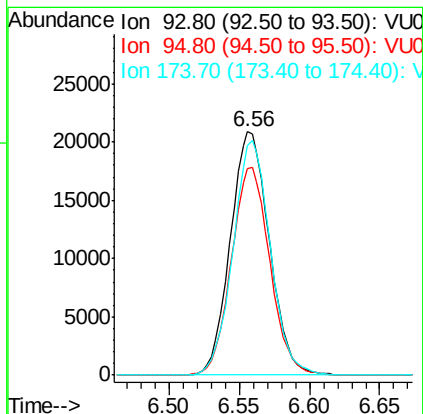
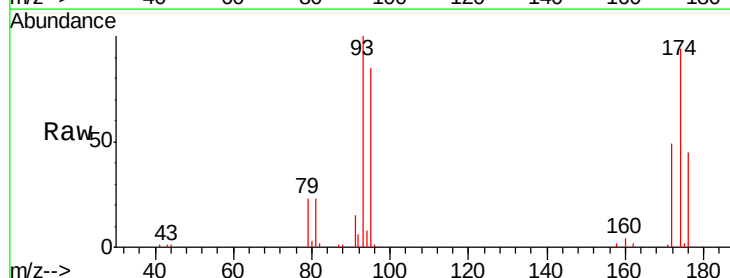
Tgt Ion: 93 Resp: 40326

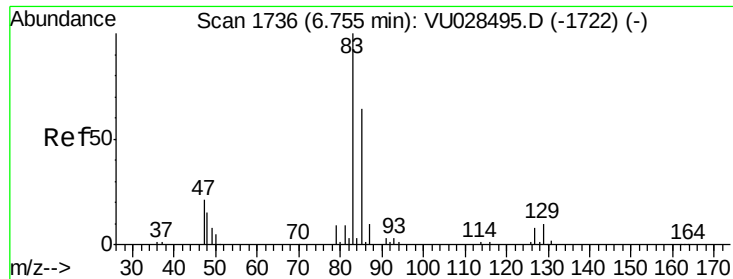
Ion Ratio Lower Upper

93 100

95 84.5 65.4 98.2

174 92.6 72.2 108.4





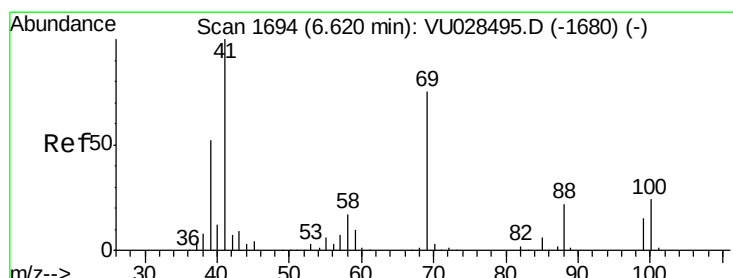
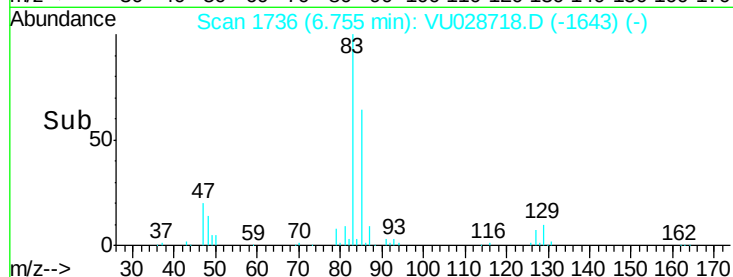
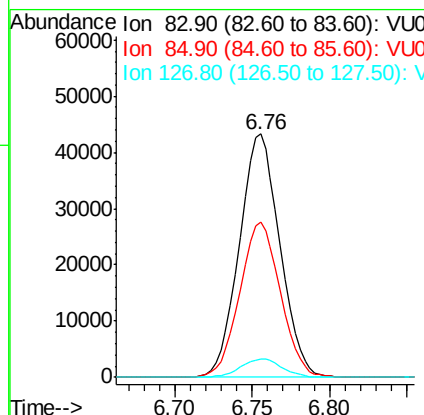
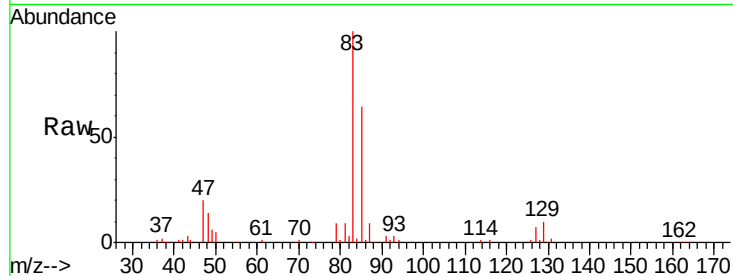
#47
Bromodichloromethane
Concen: 51.425 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3
127	7.4	6.2	9.4

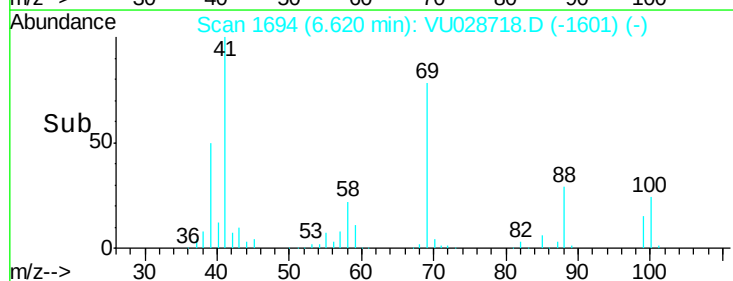
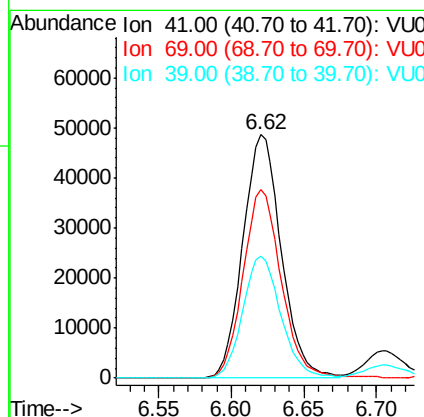
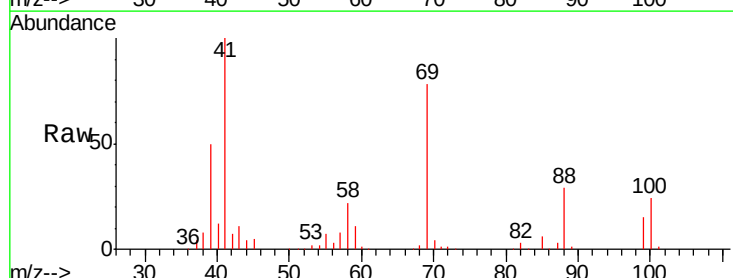
Manual Integrations
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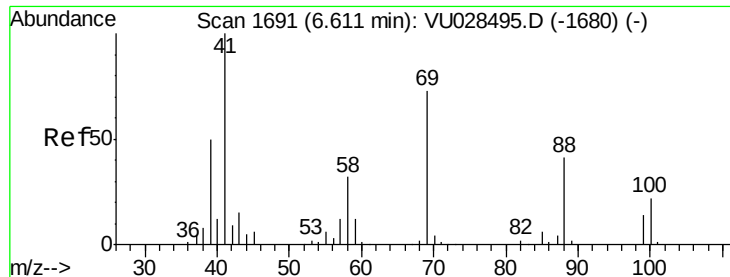
MMDadoda
12/18/2018 11:31:07 AM



#48
Methyl methacrylate
Concen: 55.068 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.2	60.4	90.6
39	49.7	41.1	61.7





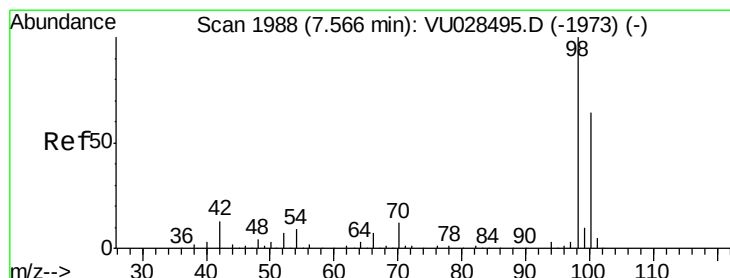
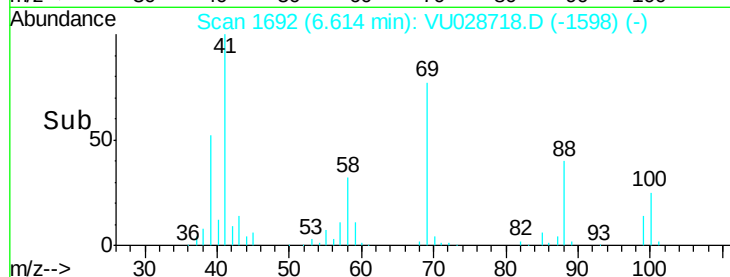
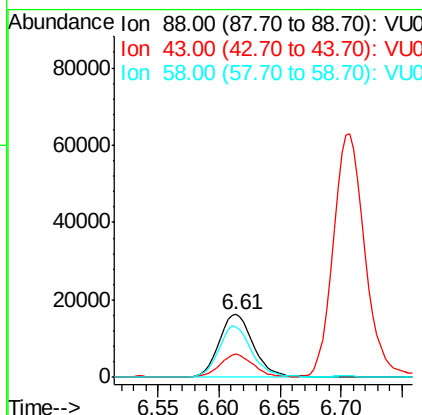
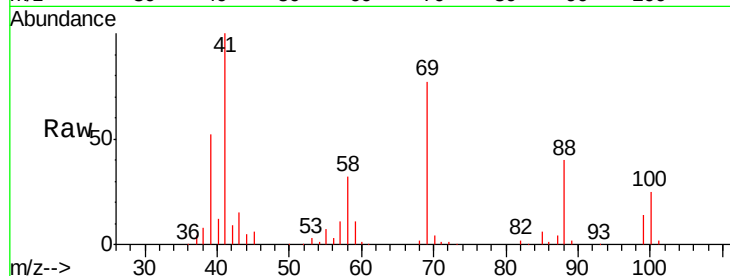
#49
1,4-Dioxane
Concen: 1257.990 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	30.9	46.3
58	77.5	62.4	93.6

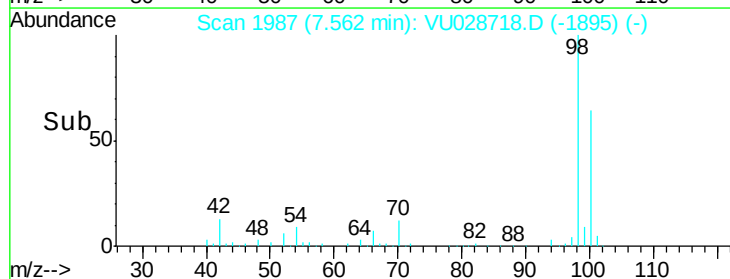
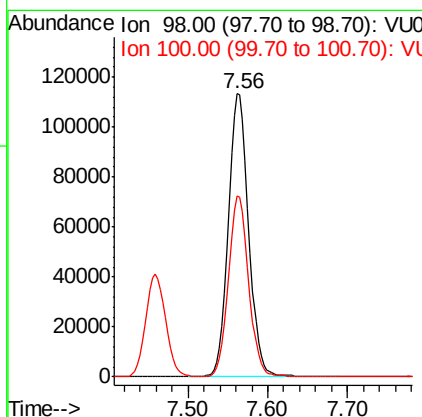
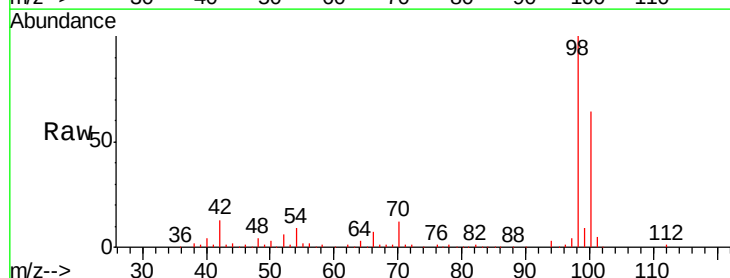
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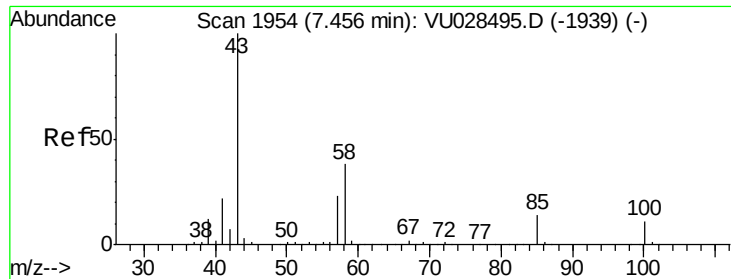
MMDadoda
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#50
Toluene-d8
Concen: 54.283 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 306.054 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 43 Resp: 632948

Ion Ratio Lower Upper

43 100

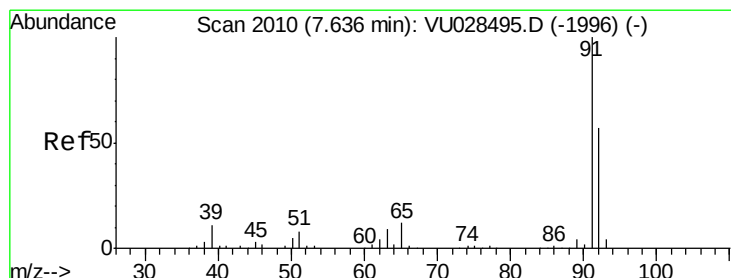
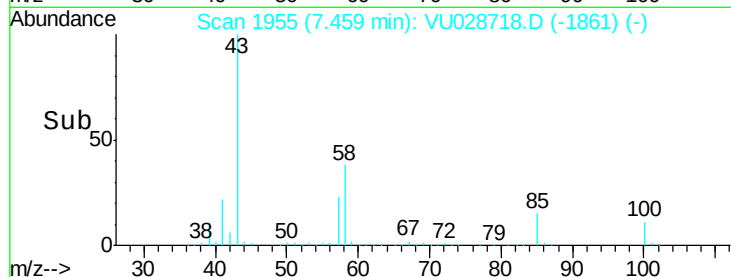
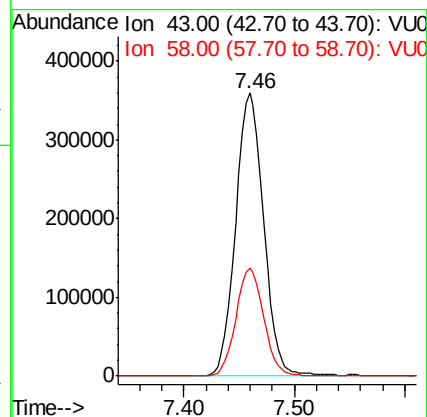
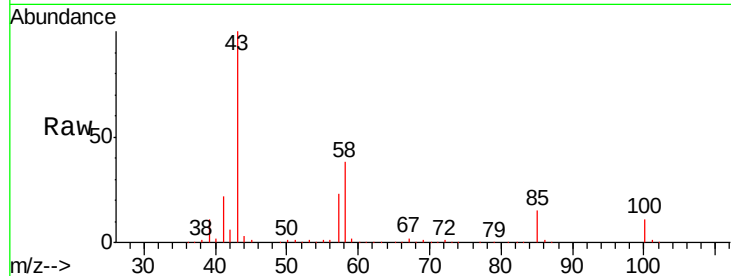
58 37.9 30.2 45.2

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#52

Toluene

Concen: 49.367 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028718.D

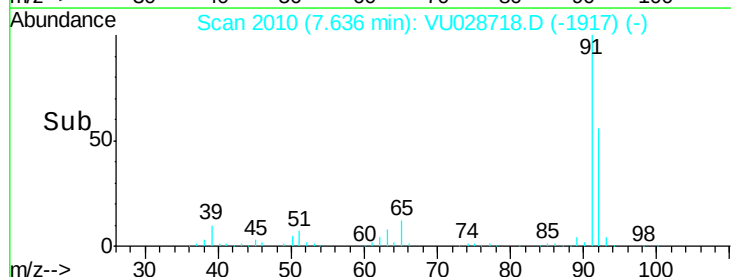
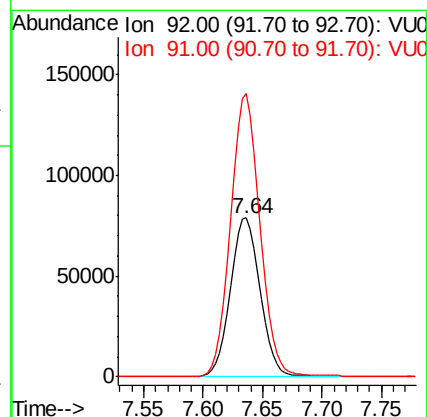
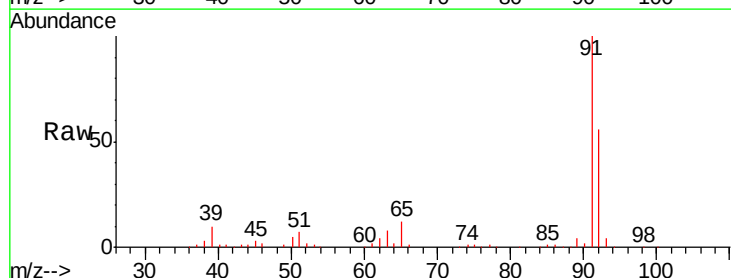
Acq: 17 Dec 2018 14:18

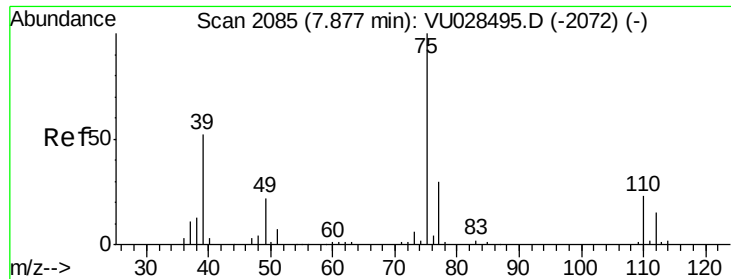
Tgt Ion: 92 Resp: 137226

Ion Ratio Lower Upper

92 100

91 176.3 140.2 210.4





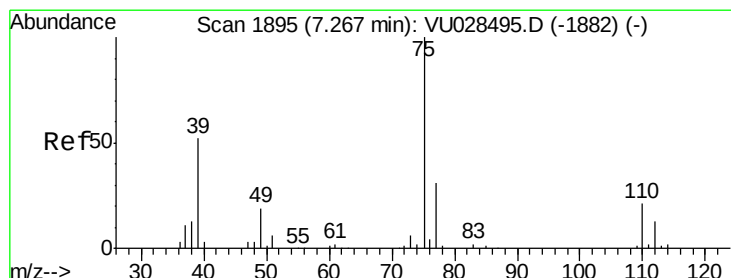
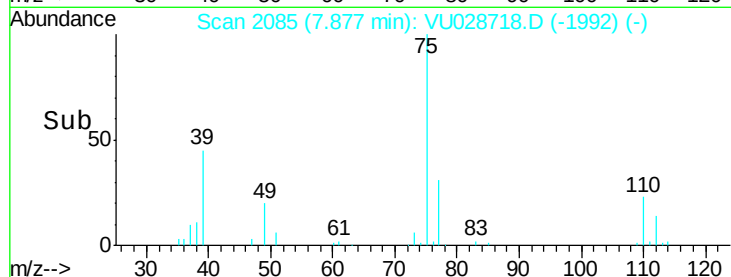
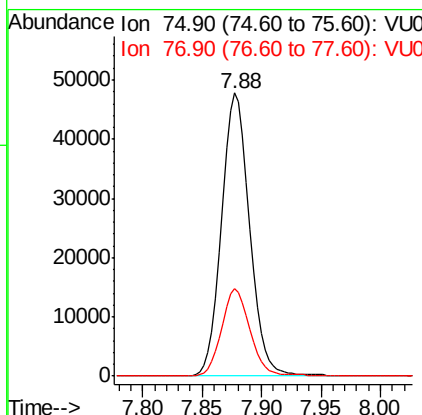
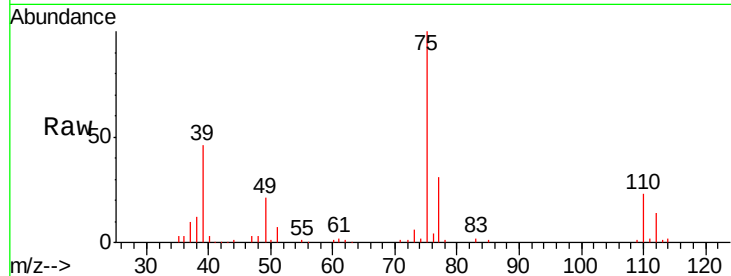
#53
t-1,3-Dichloropropene
Concen: 42.805 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion: 75 Resp: 78179
Ion Ratio Lower Upper
75 100
77 31.0 24.2 36.4

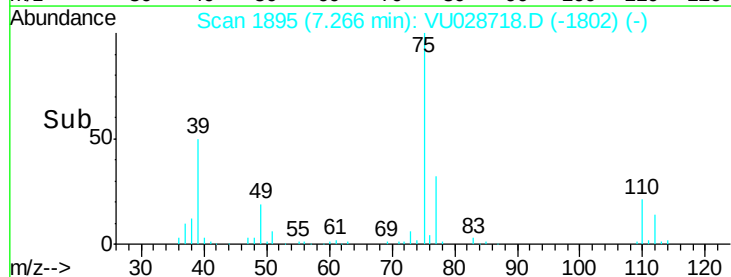
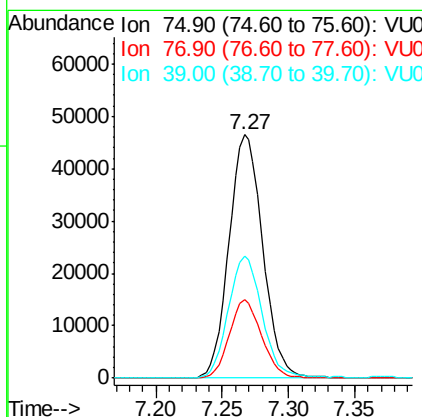
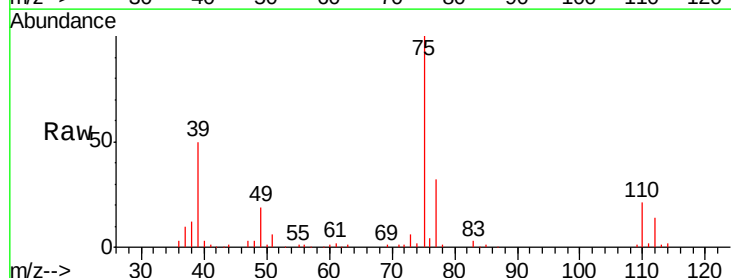
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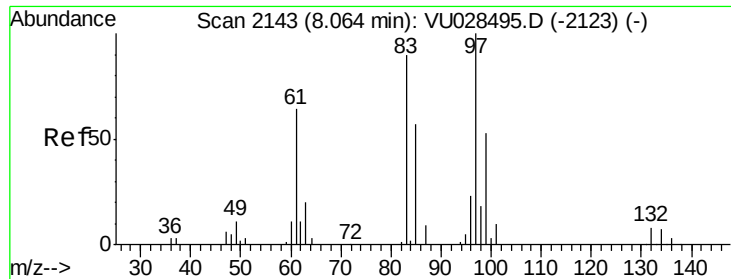
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#54
cis-1,3-Dichloropropene
Concen: 41.505 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 75 Resp: 82242
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4
39 50.0 41.3 61.9





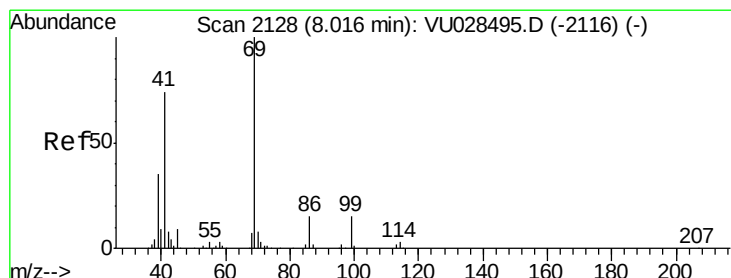
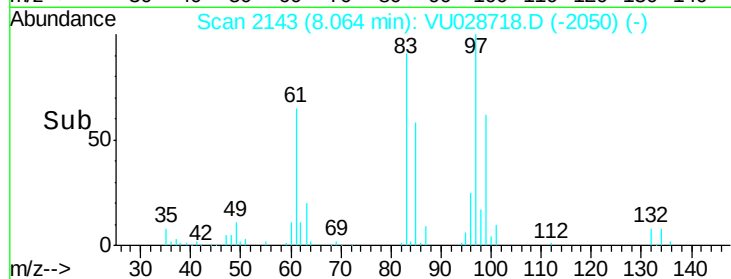
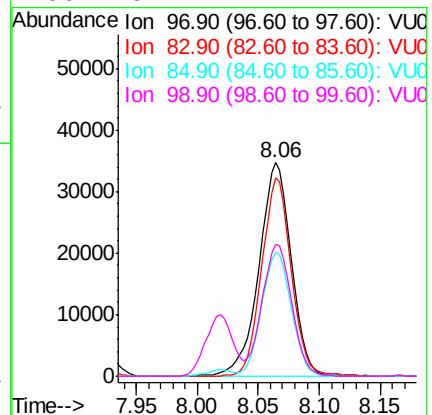
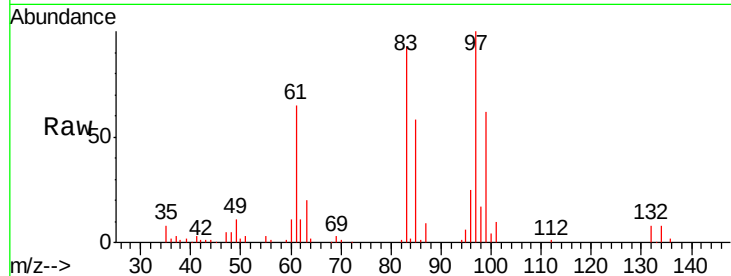
#55
 1,1,2-Trichloroethane
 Concen: 57.799 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion:	97	Resp:	63509
Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.4	108.6
85	57.6	46.0	69.0
99	61.7	47.4	71.2

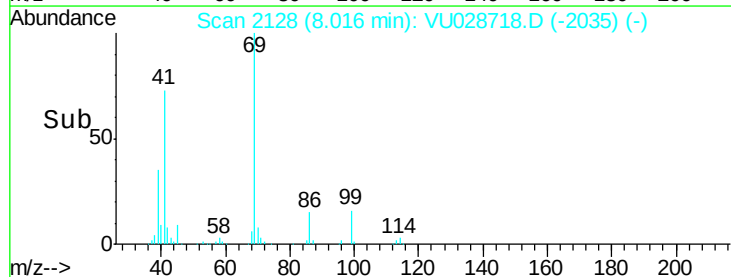
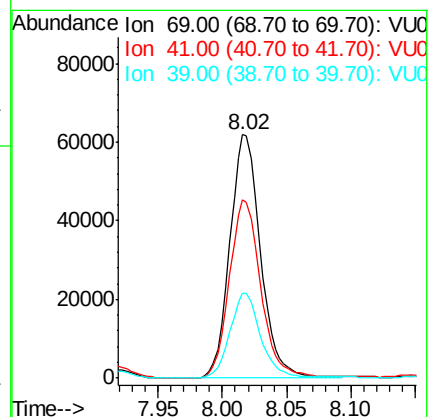
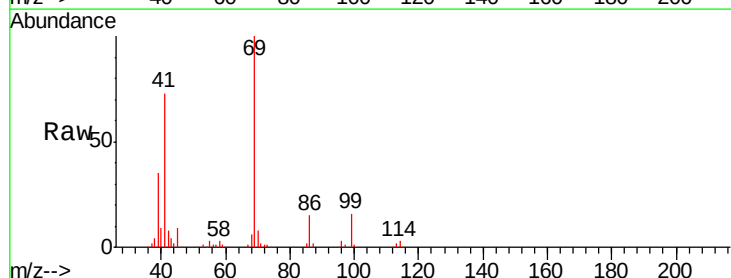
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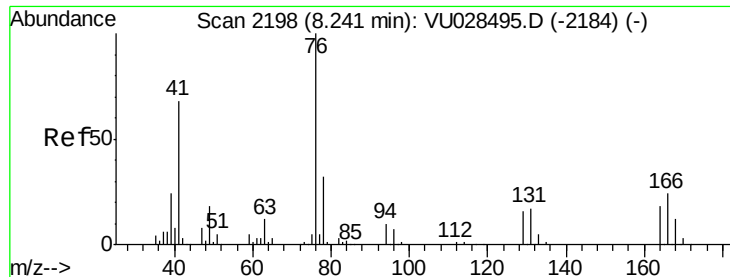
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 12/18/2018 11:31:07 AM



#56
 Ethyl methacrylate
 Concen: 54.408 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion:	69	Resp:	102375
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.1	88.7
39	35.3	28.4	42.6





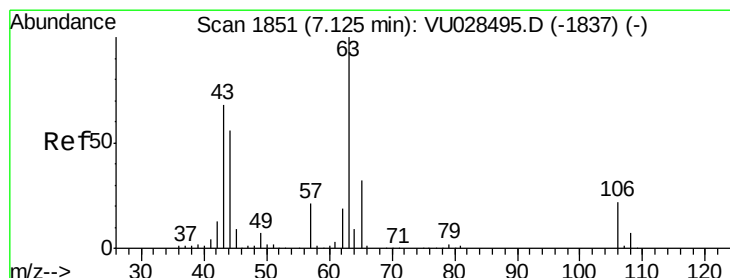
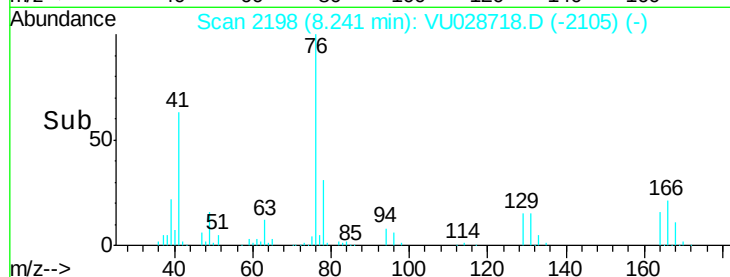
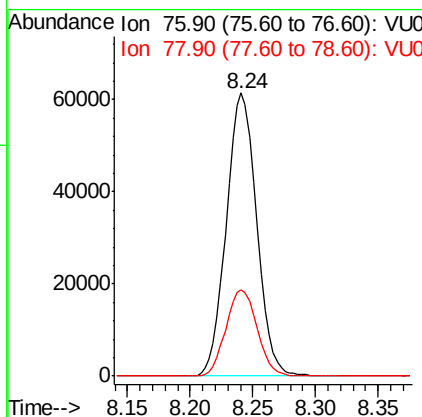
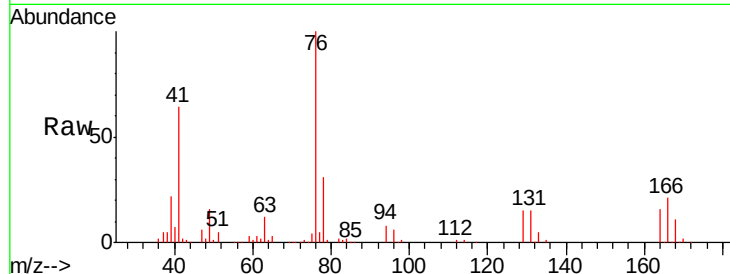
#57
 1,3-Dichloropropane
 Concen: 50.706 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion: 76 Resp: 103424
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8

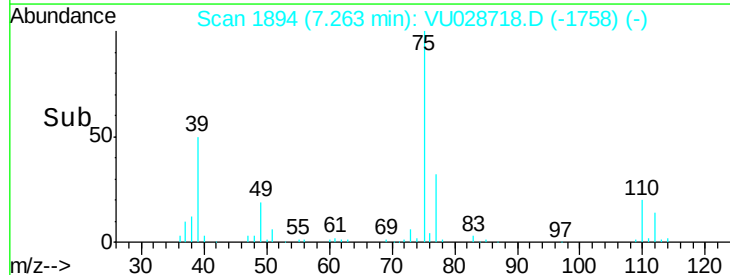
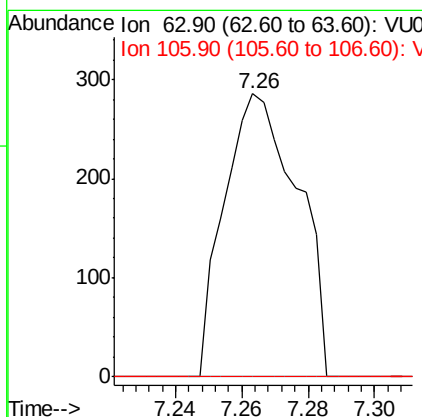
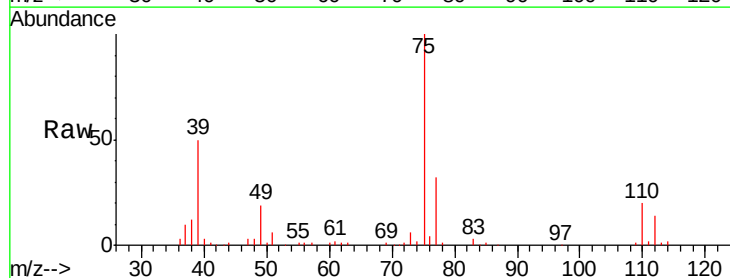
Manual Integrations
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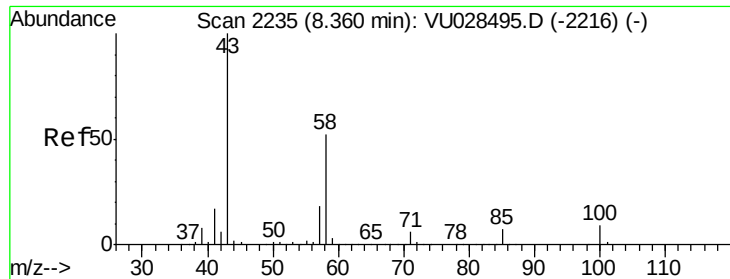
MMDadoda
 12/18/2018 11:31:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.456 ug/l
 RT: 7.26 min Scan# 1894
 Delta R.T. 0.14 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion: 63 Resp: 439
 Ion Ratio Lower Upper
 63 100
 106 0.0 17.8 26.6#





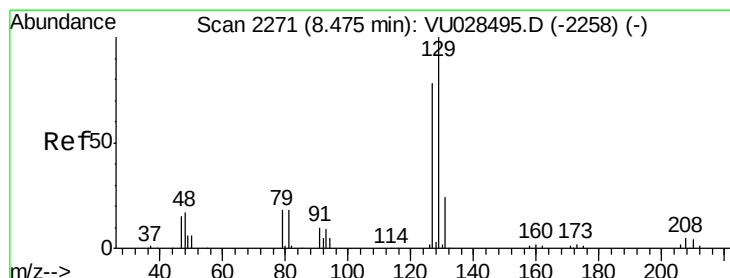
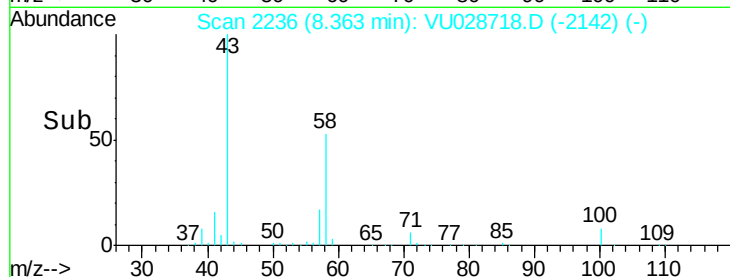
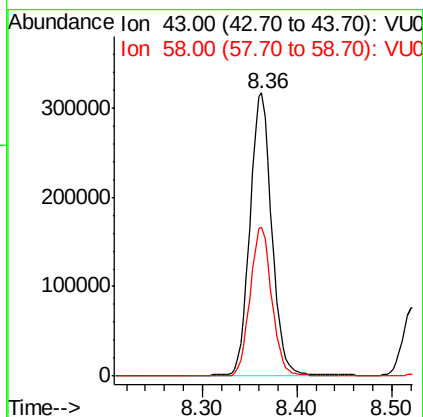
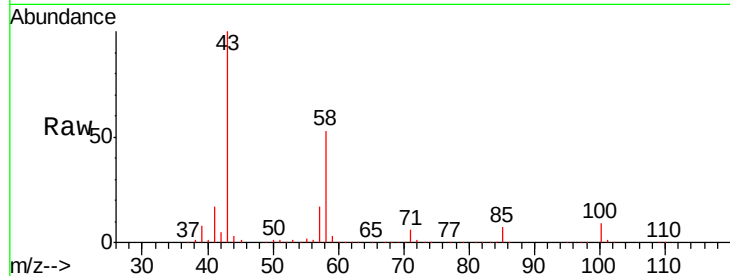
#59
2-Hexanone
Concen: 311.103 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion: 43 Resp: 509956
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.6

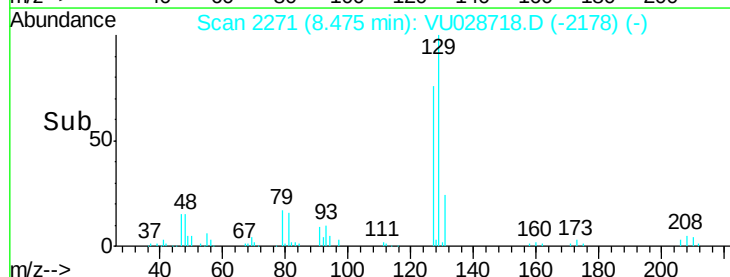
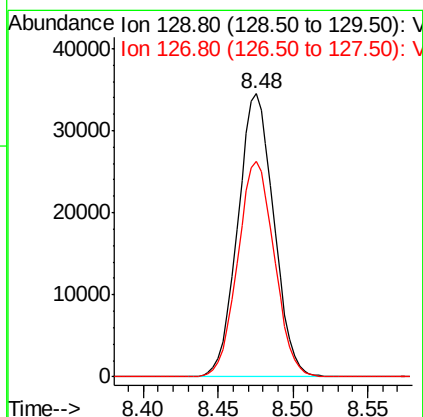
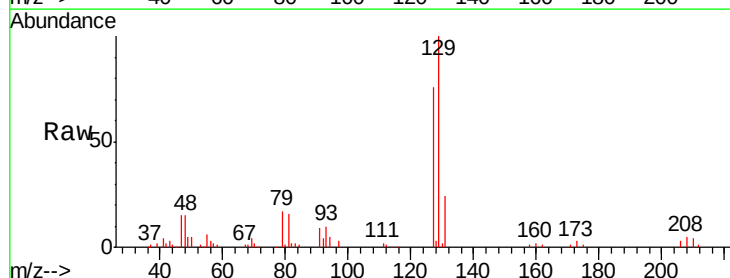
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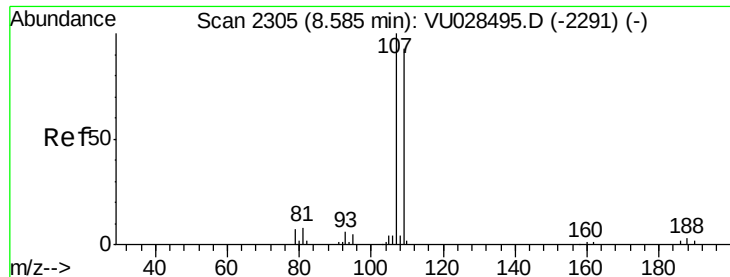
MMDadoda
12/18/2018 11:31:07 AM



#60
Dibromochloromethane
Concen: 53.657 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 129 Resp: 57723
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





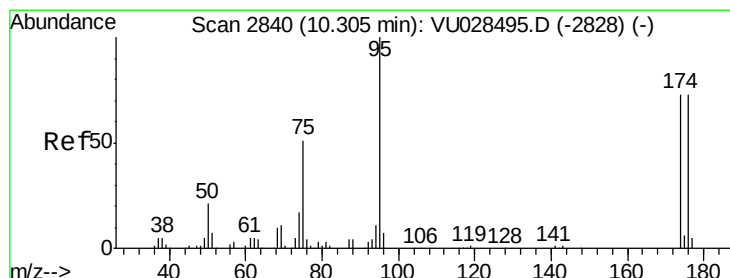
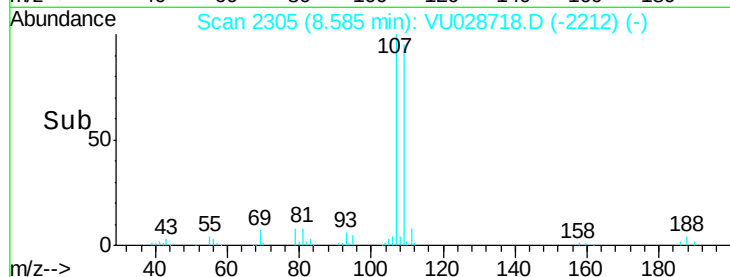
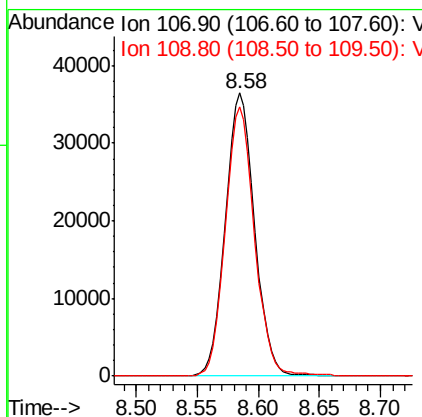
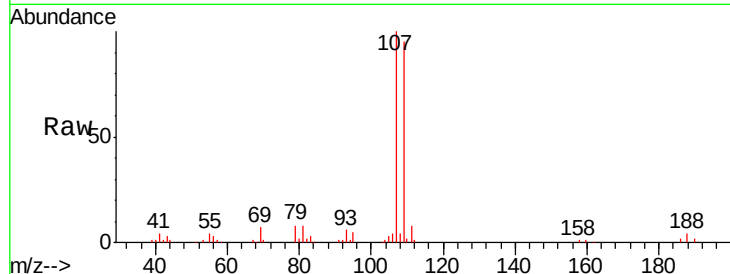
#61
 1,2-Dibromoethane
 Concen: 53.172 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion: 107 Resp: 61268
 Ion Ratio Lower Upper
 107 100
 109 95.4 74.5 111.7

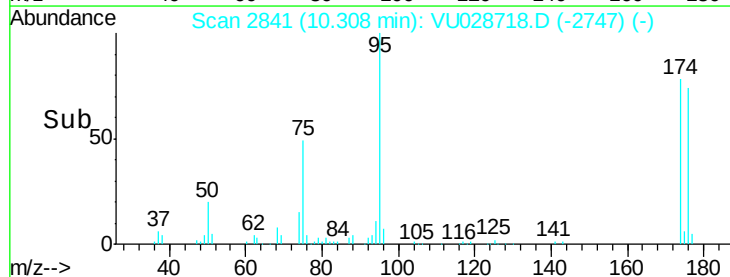
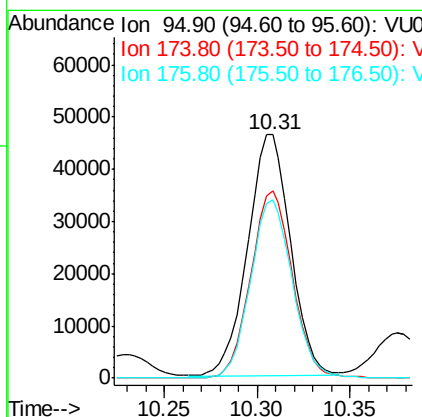
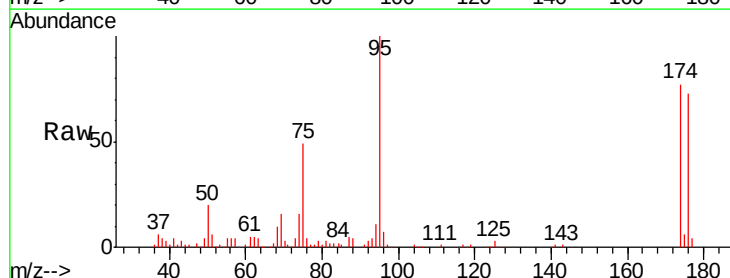
Manual Integrations
 APPROVED

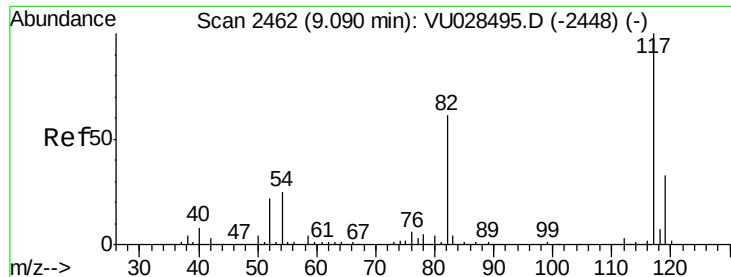
MMDadoda
 12/18/2018 11:31:07 AM



#62
 4-Bromofluorobenzene
 Concen: 54.478 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion: 95 Resp: 74286
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 150.4
 176 72.0 0.0 145.2





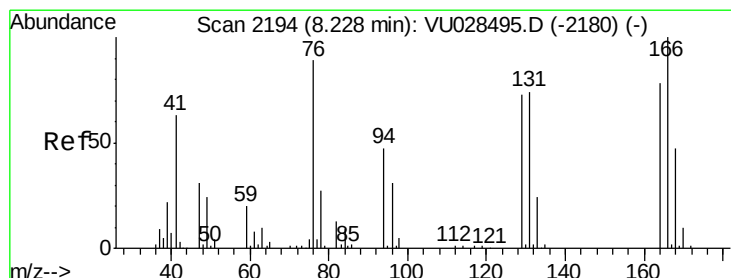
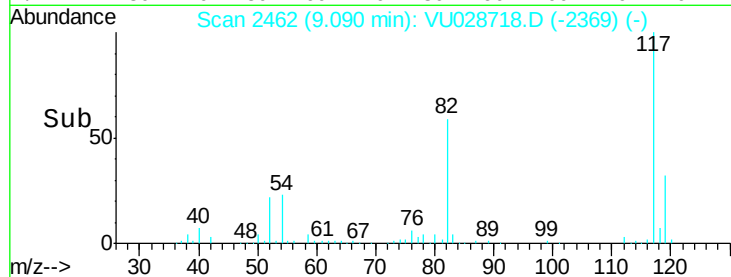
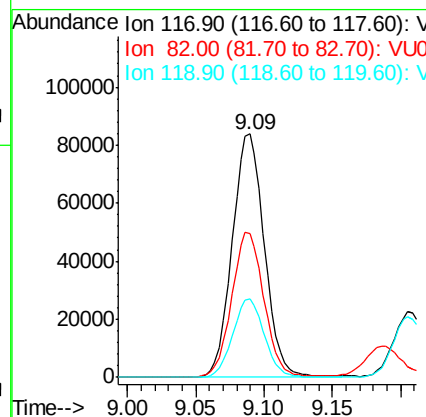
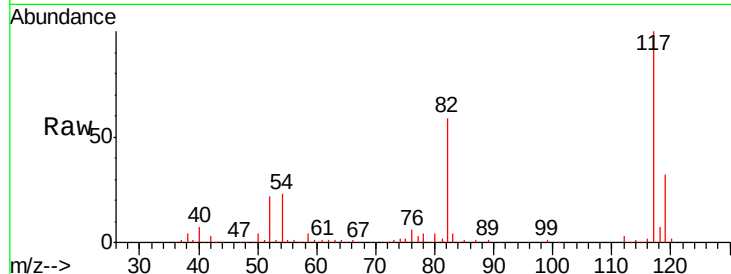
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	137420		
82	58.8	48.9	73.3	
119	32.1	26.2	39.4	

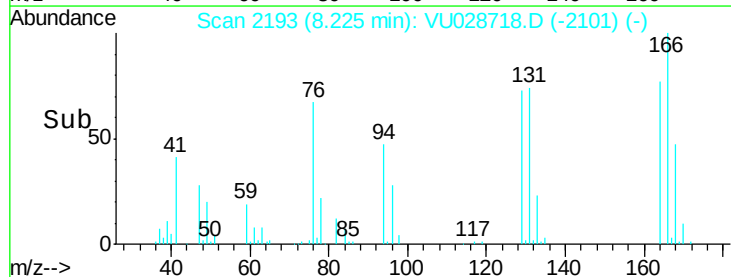
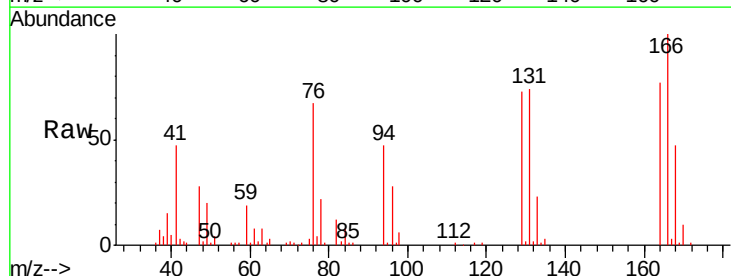
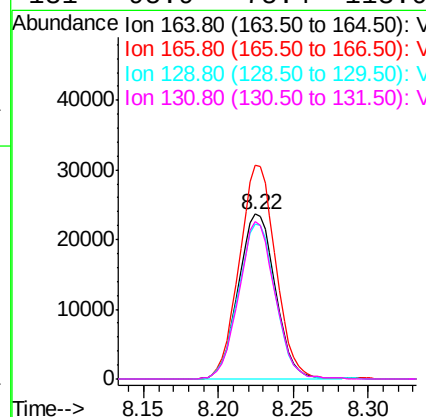
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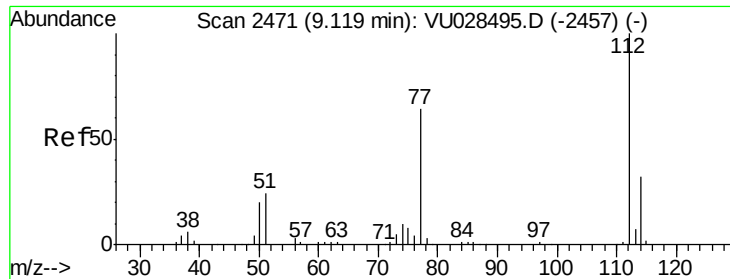
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#64
Tetrachloroethene
Concen: 44.688 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40962		
166	129.6	101.9	152.9	
129	94.4	74.9	112.3	
131	95.9	75.4	113.0	





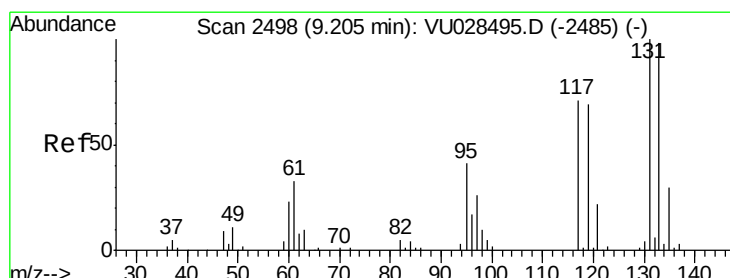
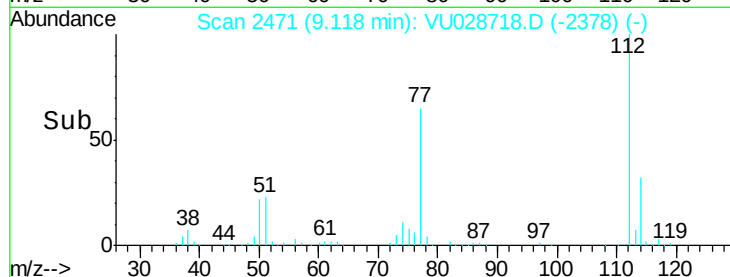
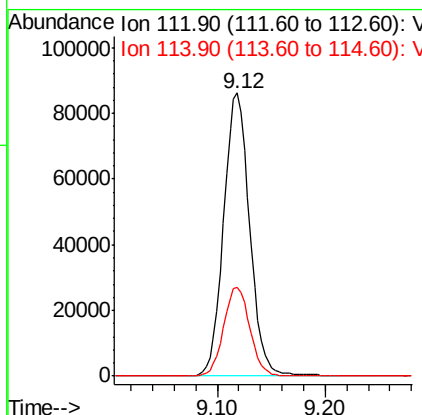
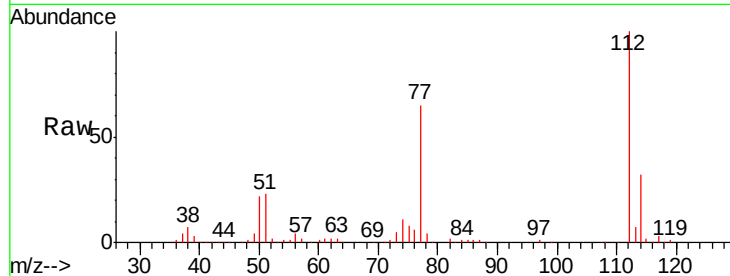
#65
Chlorobenzene
Concen: 49.318 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion:112 Resp: 144416
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

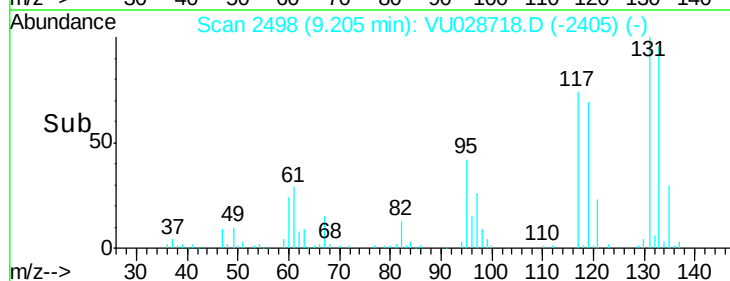
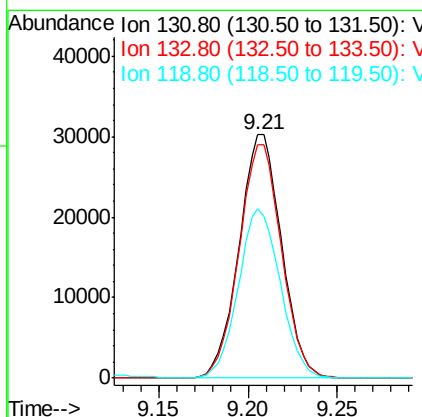
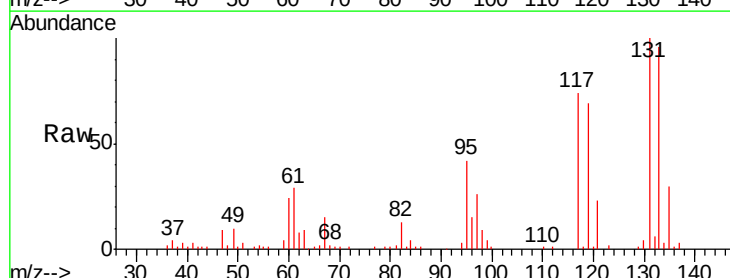
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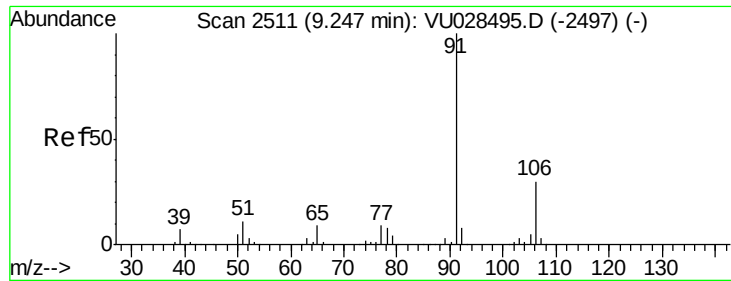
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.762 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:131 Resp: 50273
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 69.1 34.6 103.9





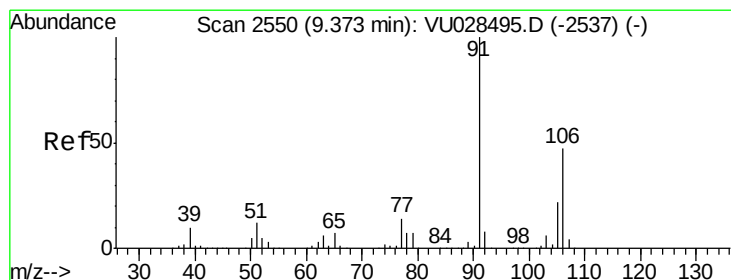
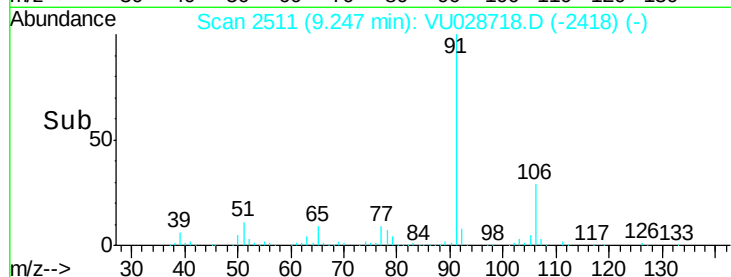
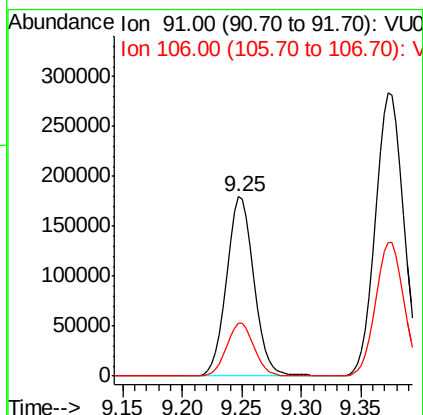
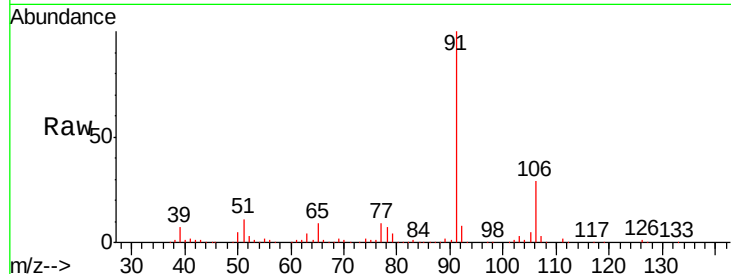
#67
Ethyl Benzene
Concen: 53.355 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion: 91 Resp: 287218
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

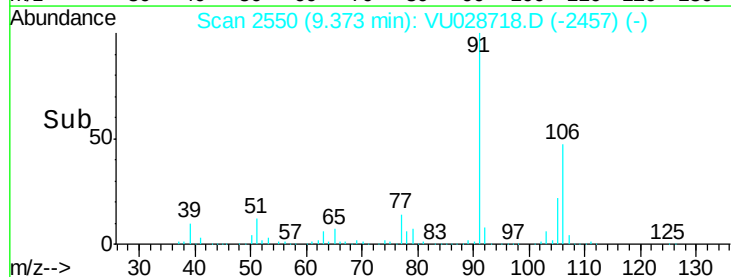
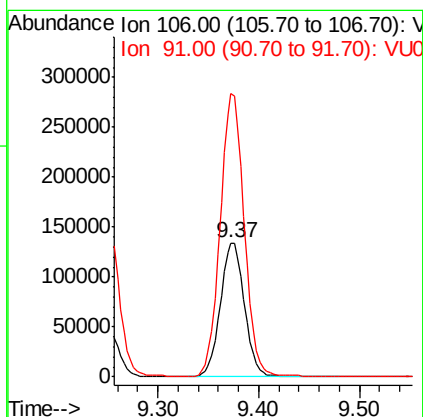
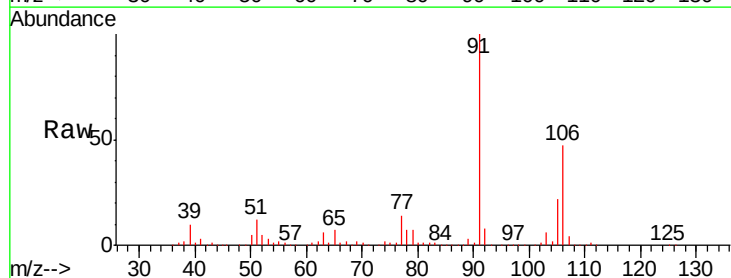
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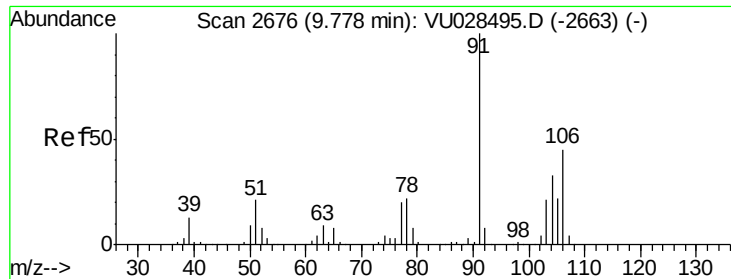
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12/18/2018 11:31:07 AM



#68
m/p-Xylenes
Concen: 114.720 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 106 Resp: 224711
Ion Ratio Lower Upper
106 100
91 210.4 167.4 251.0





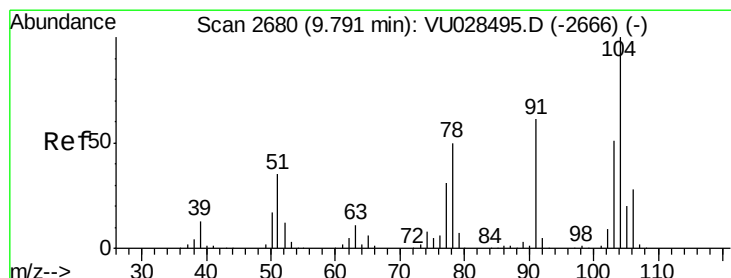
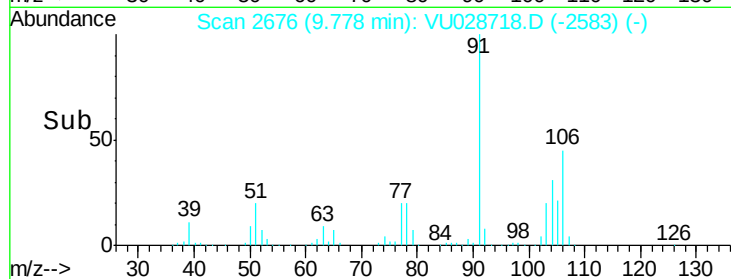
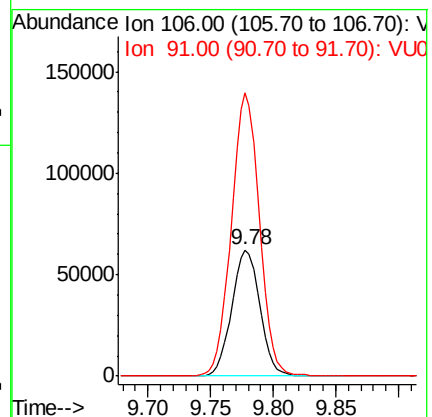
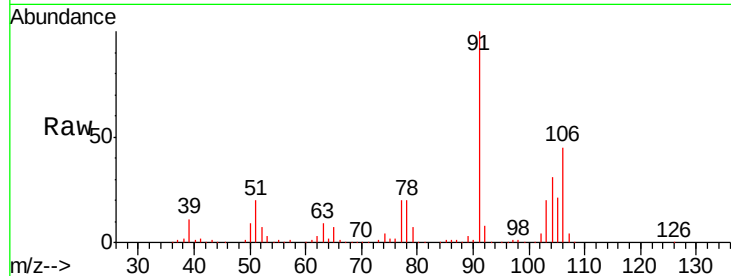
#69
o-Xylene
Concen: 50.983 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion:106 Resp: 97048
Ion Ratio Lower Upper
106 100
91 222.7 111.3 334.0

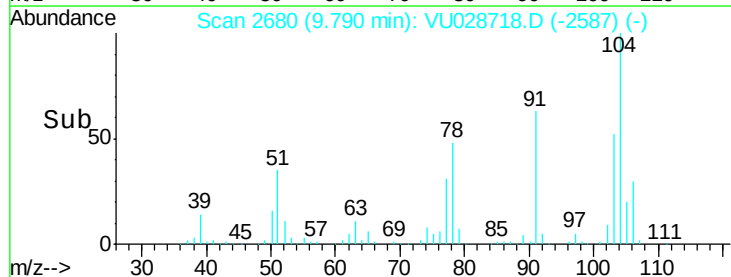
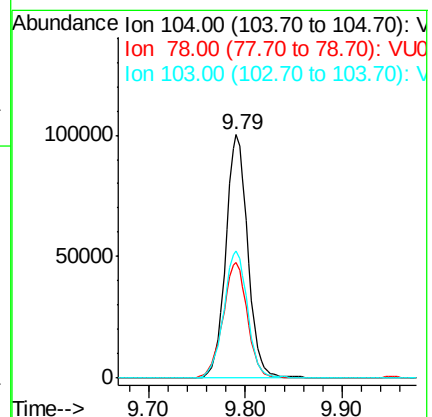
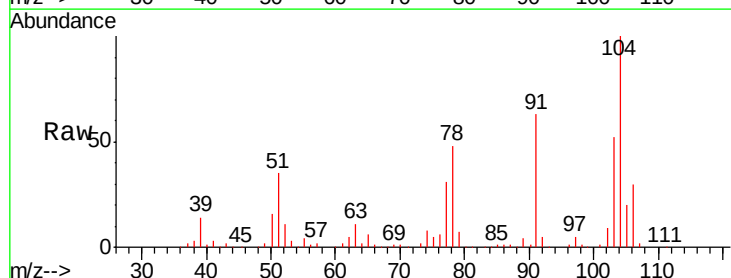
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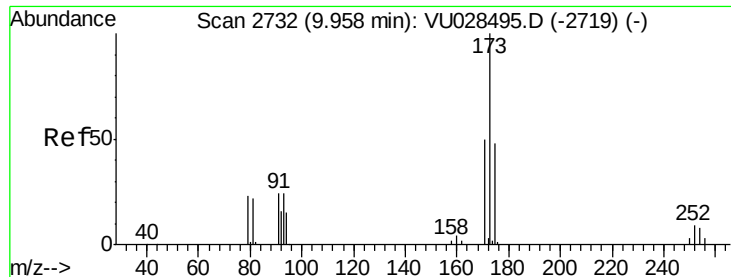
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#70
Styrene
Concen: 50.186 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion:104 Resp: 158096
Ion Ratio Lower Upper
104 100
78 52.7 43.0 64.6
103 56.7 44.2 66.4





#71

Bromoform

Concen: 59.849 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

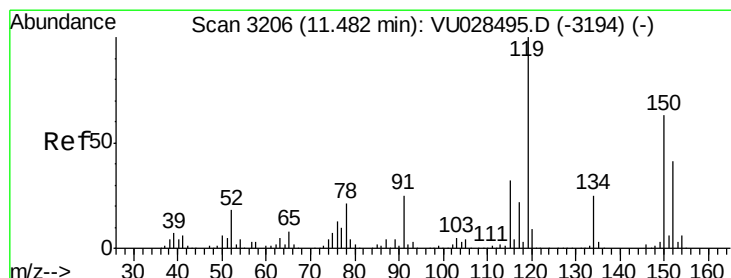
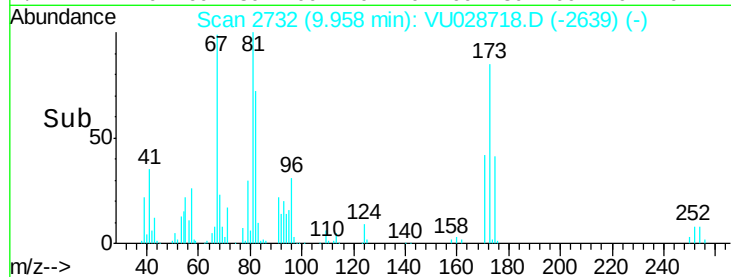
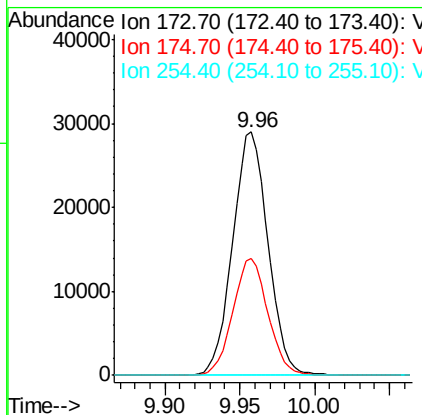
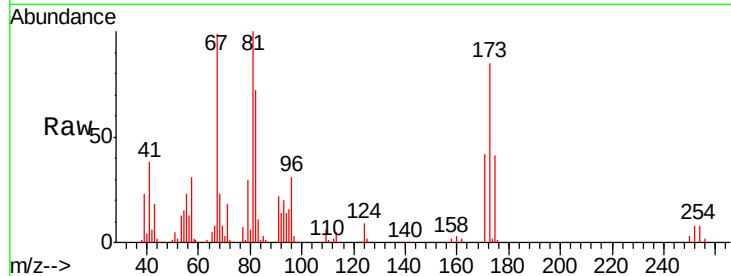
ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion:	173	Resp:	47609
Ion Ratio	Lower	Upper	
173	100		
175	47.6	23.9	71.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

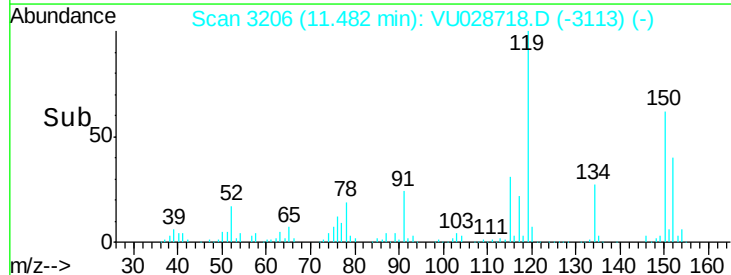
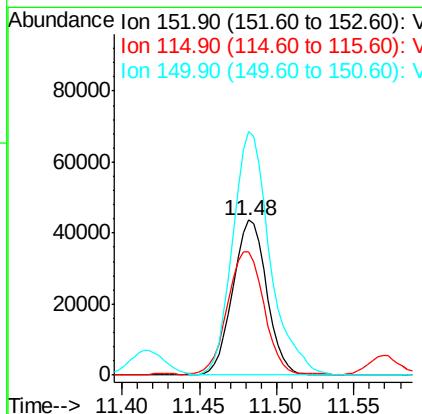
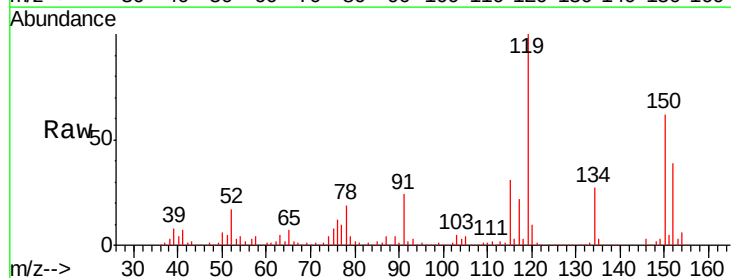
RT: 11.48 min Scan# 3206

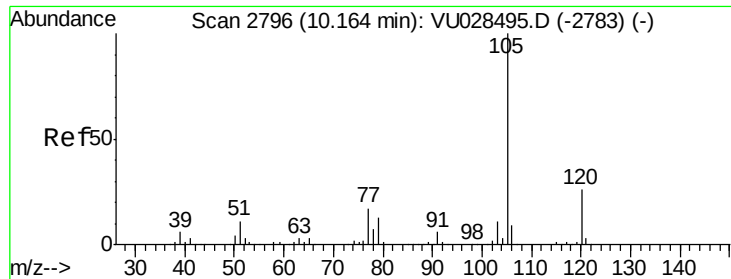
Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion:	152	Resp:	66413
Ion Ratio	Lower	Upper	
152	100		
115	84.5	42.7	128.1
150	172.9	0.0	346.0





#73

Isopropylbenzene

Concen: 259.205 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion: 105 Resp: 1320936

Ion Ratio Lower Upper

105 100

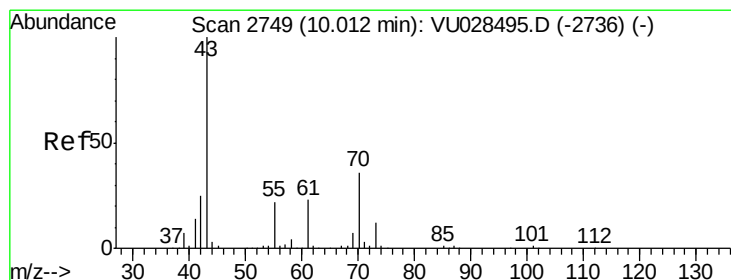
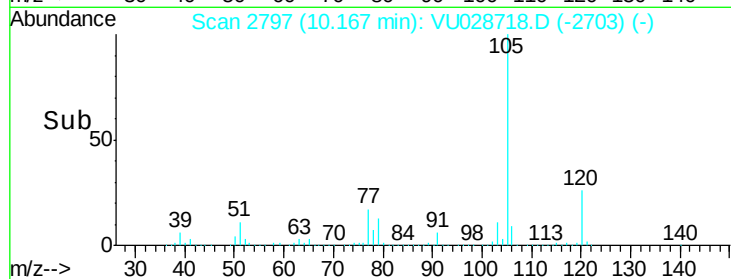
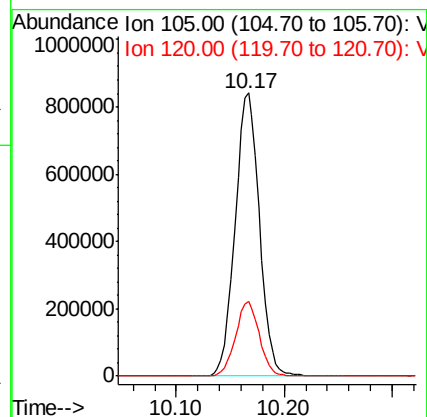
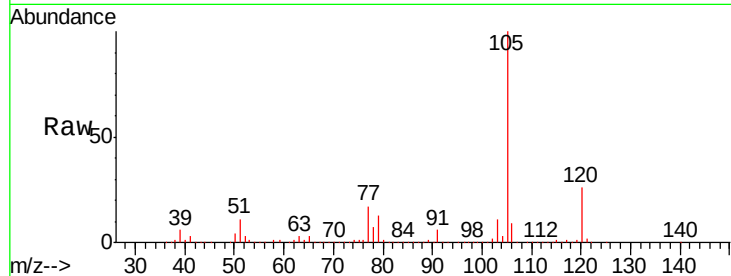
120 25.9 12.9 38.6

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#74

N-ethyl acetate

Concen: 42.538 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion: 43 Resp: 125044

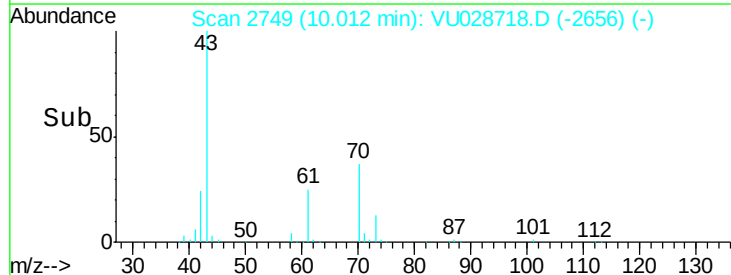
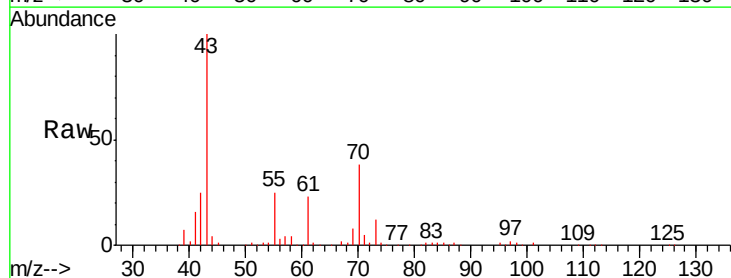
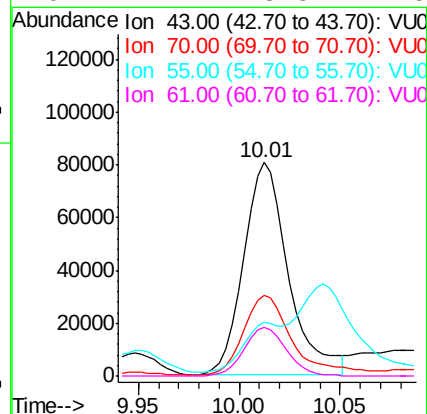
Ion Ratio Lower Upper

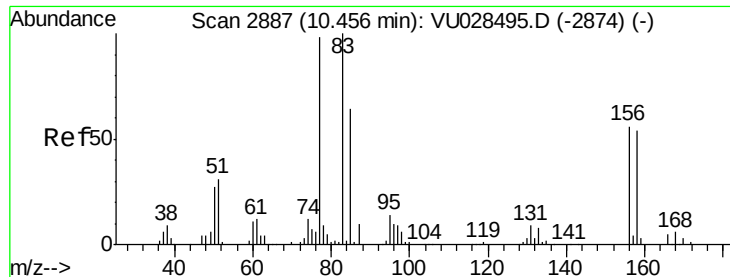
43 100

70 41.4 29.3 43.9

55 20.1 18.0 27.0

61 21.7 18.3 27.5





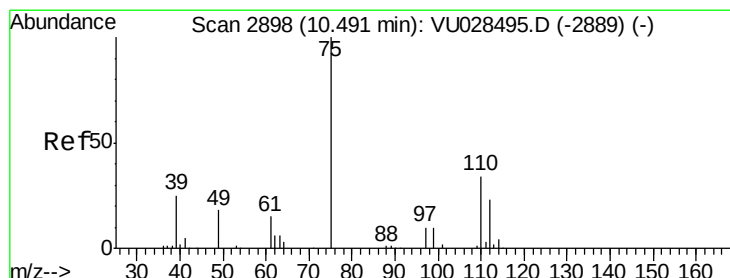
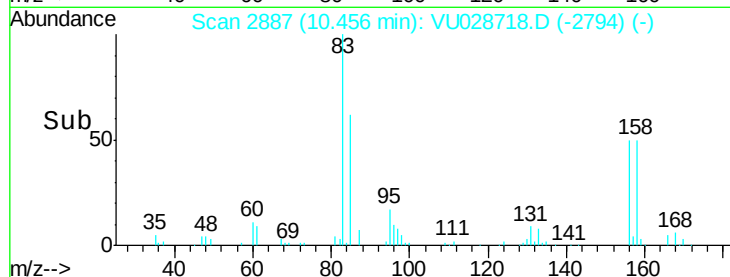
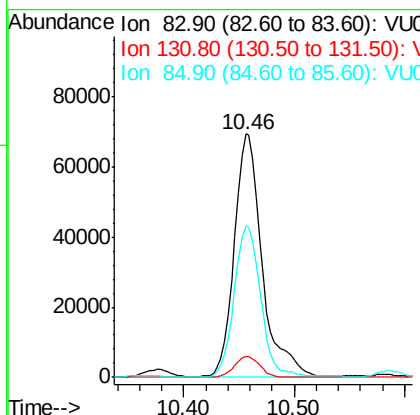
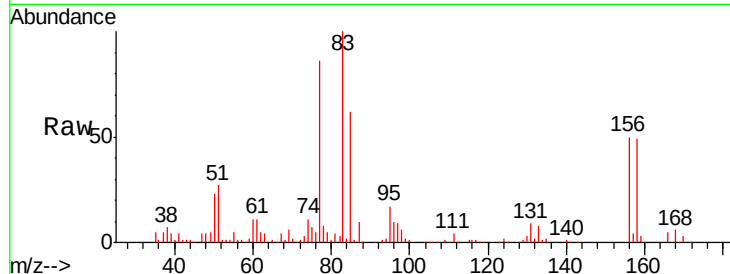
#75
 1,1,2,2-Tetrachloroethane
 Concen: 61.804 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	120990		
131	7.8	4.2	12.4	
85	59.9	31.8	95.4	

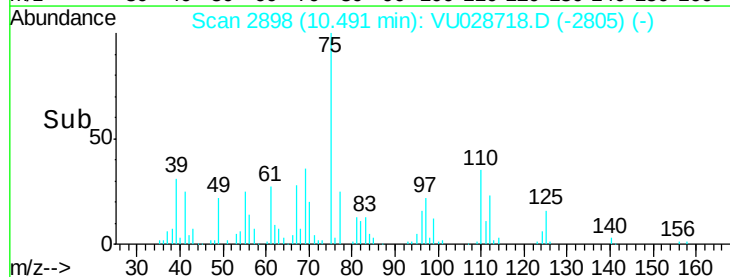
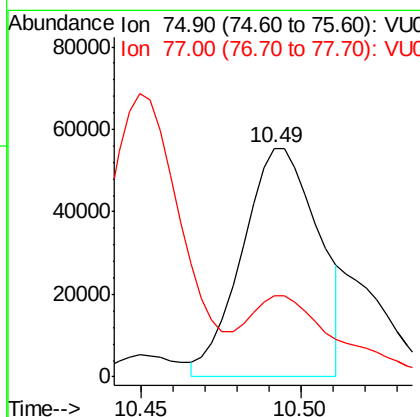
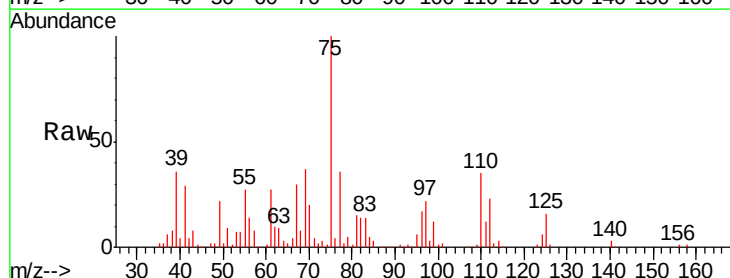
Manual Integrations
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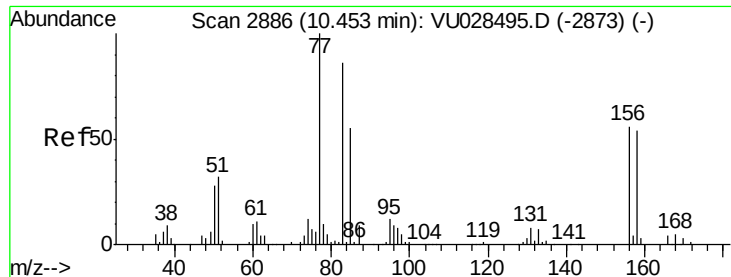
MMDadoda
 12/18/2018 11:31:07 AM



#76
 1,2,3-Trichloropropane
 Concen: 53.915 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91433		
77	40.3	20.8	62.4	





#77

Bromobenzene

Concen: 51.657 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

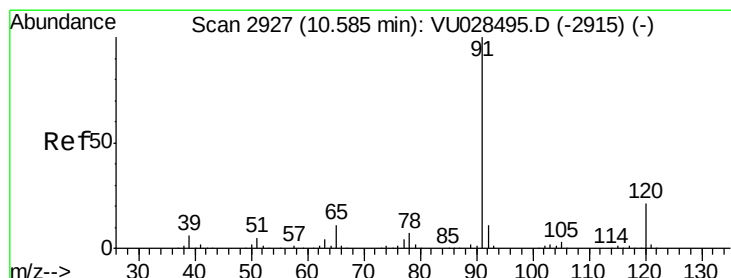
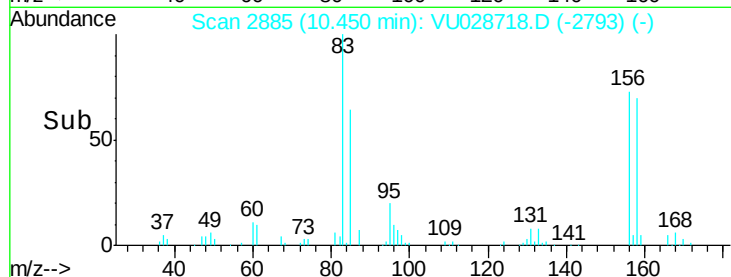
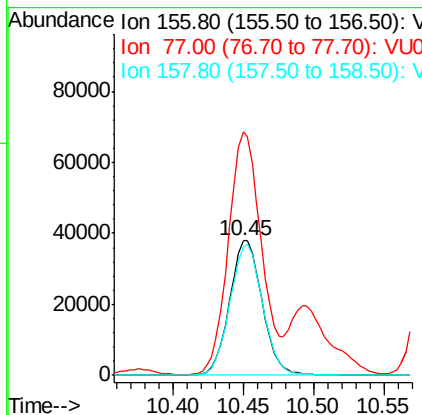
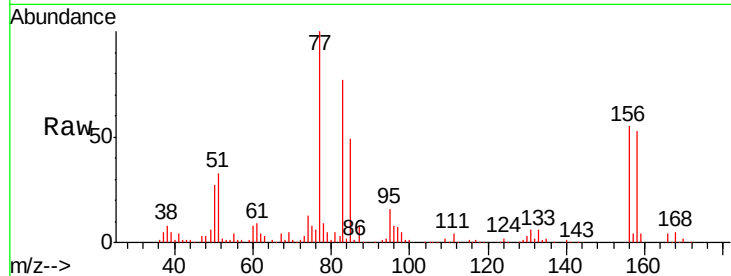
ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion	Ratio	Lower	Upper
156	100		
77	184.0	92.4	277.2
158	97.4	48.4	145.3

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#78

n-propylbenzene

Concen: 441.604 ug/l

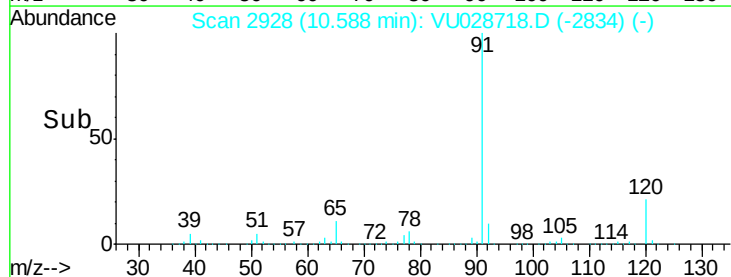
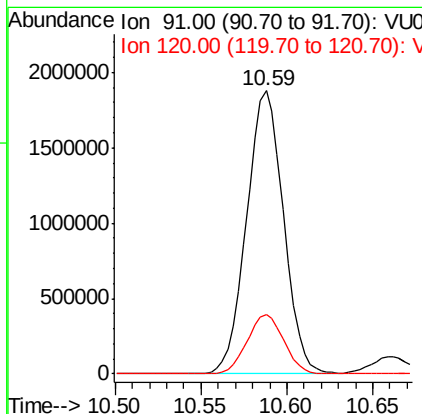
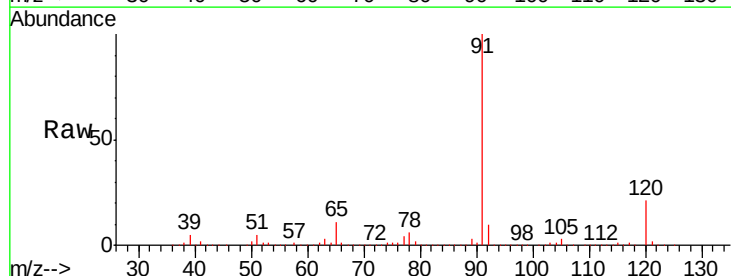
RT: 10.59 min Scan# 2928

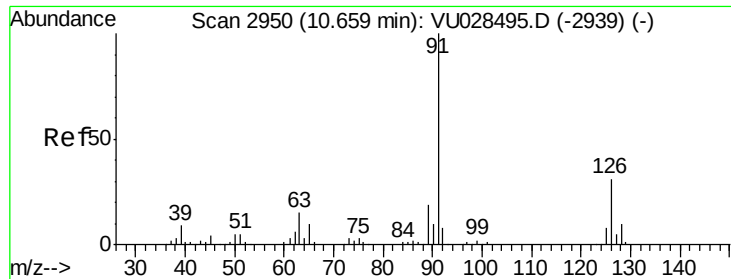
Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8





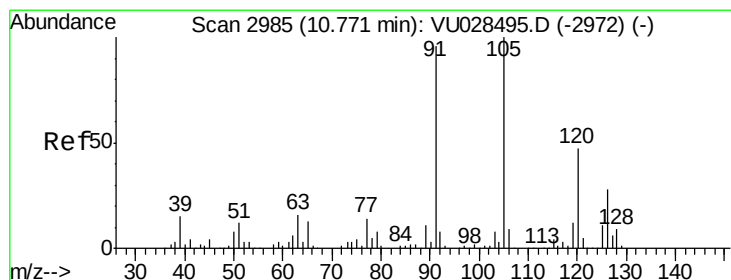
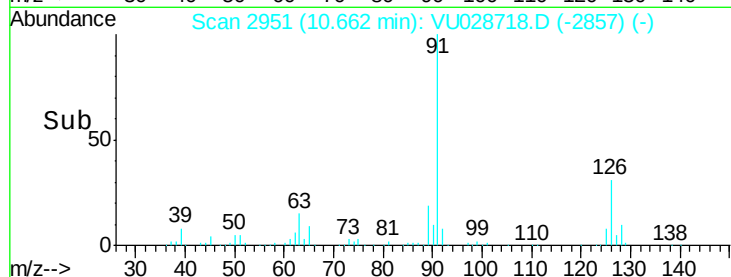
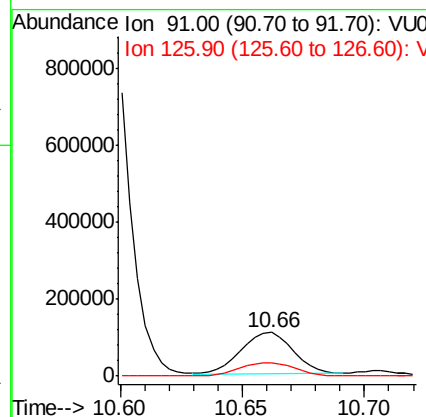
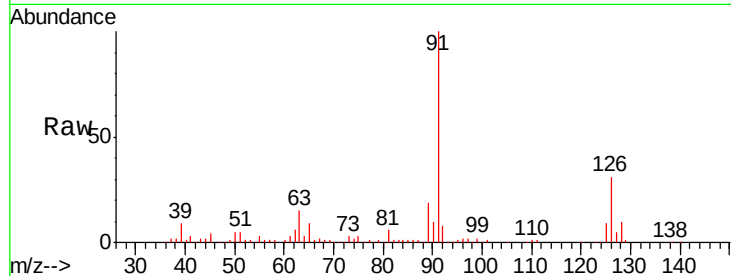
#79
2-Chlorotoluene
Concen: 43.986 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion: 91 Resp: 160444
Ion Ratio Lower Upper
91 100
126 35.6 15.6 46.8

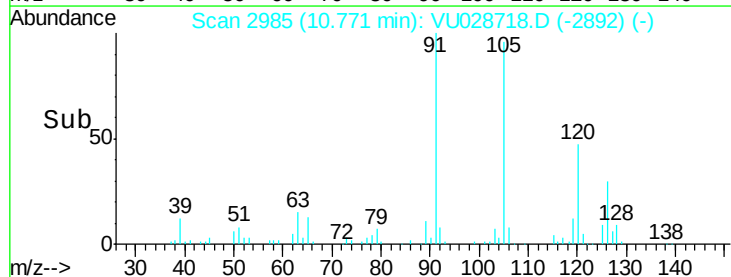
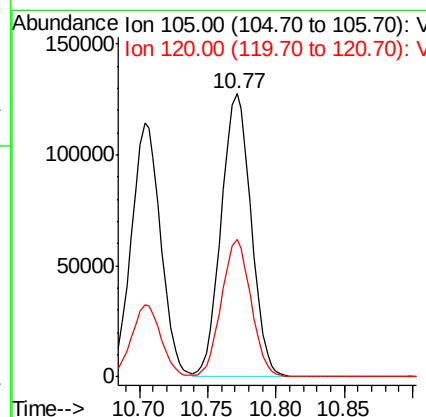
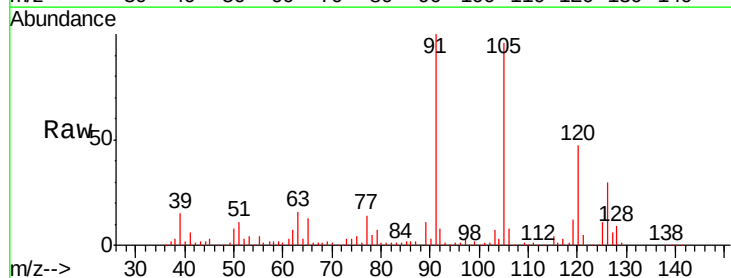
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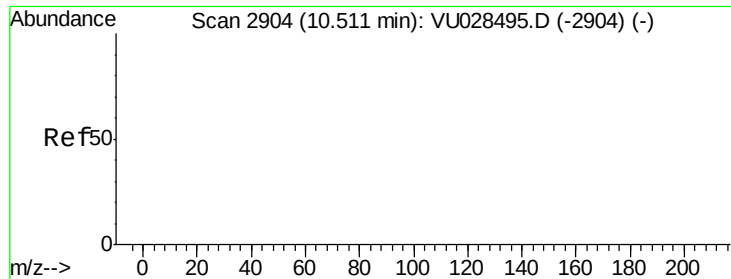
MMDadoda
12/18/2018 11:31:07 AM



#80
1,3,5-Trimethylbenzene
Concen: 46.226 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion: 105 Resp: 195002
Ion Ratio Lower Upper
105 100
120 47.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.008 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

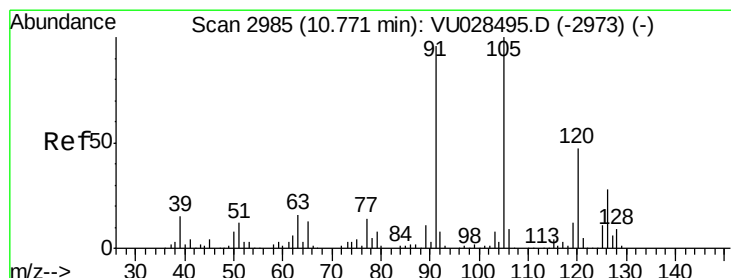
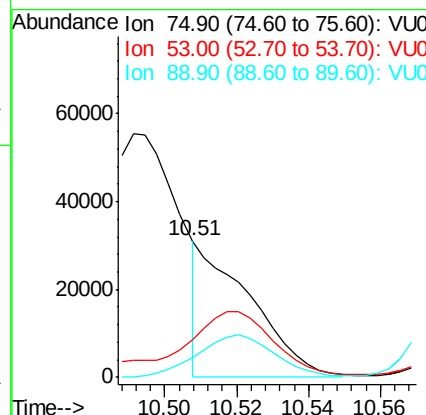
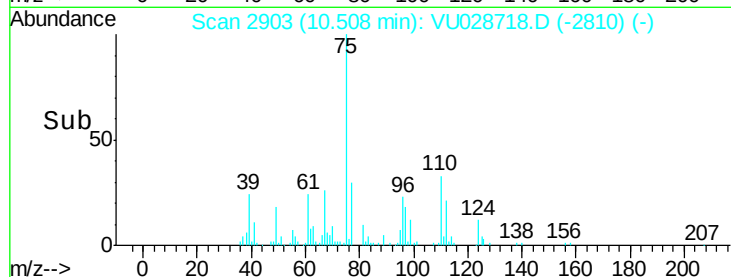
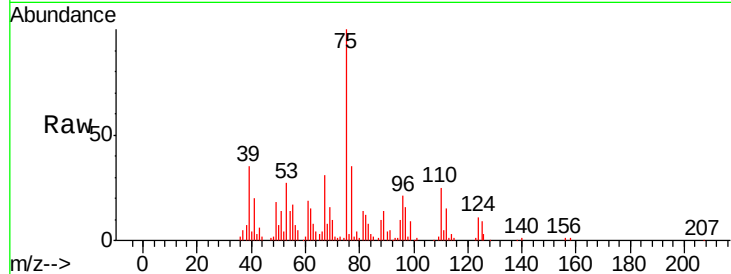
Instrument :
MSVOA_U

ClientSampleId :
EP1-MW-J-1218MSD

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.994 ug/l

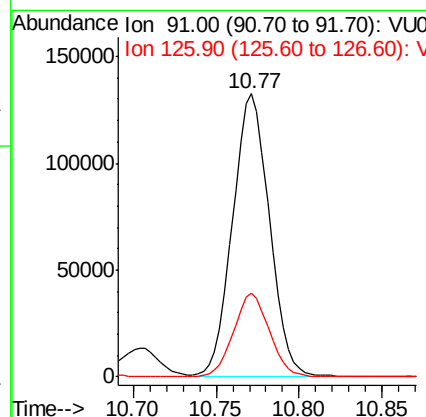
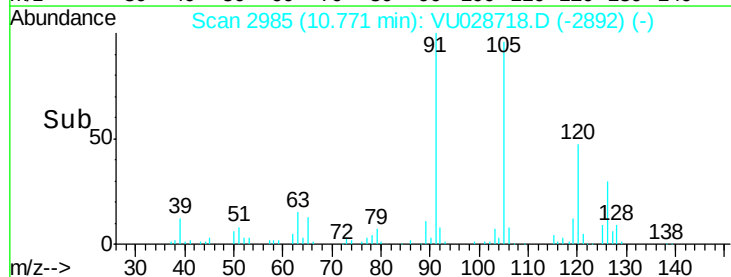
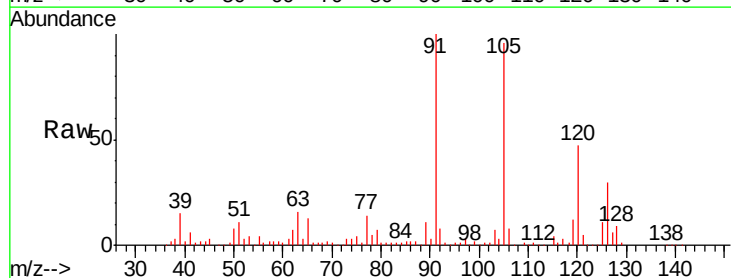
RT: 10.77 min Scan# 2985

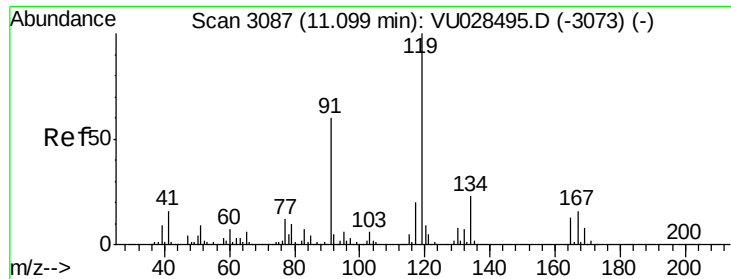
Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
126	29.0	14.1	42.3





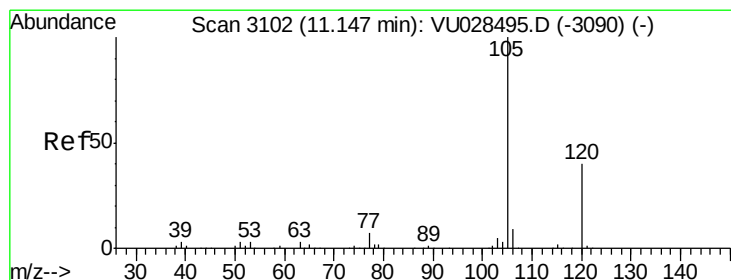
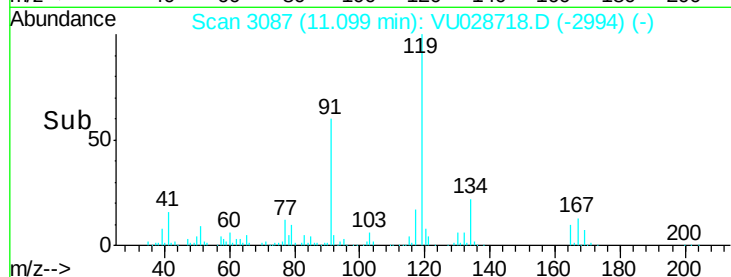
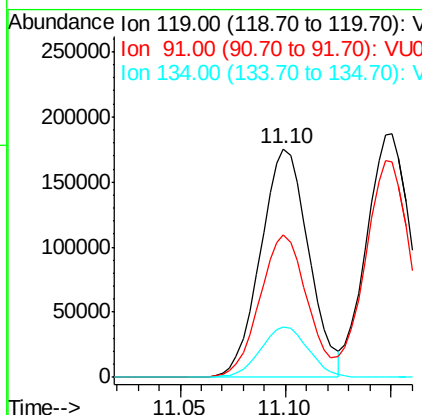
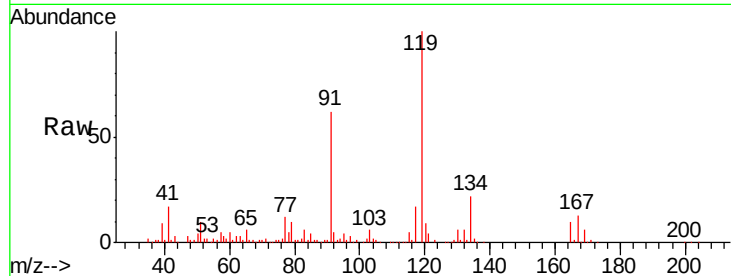
#83
 tert-Butylbenzene
 Concen: 68.388 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	278062		
91	61.0	30.3	91.0	
134	22.1	11.2	33.5	

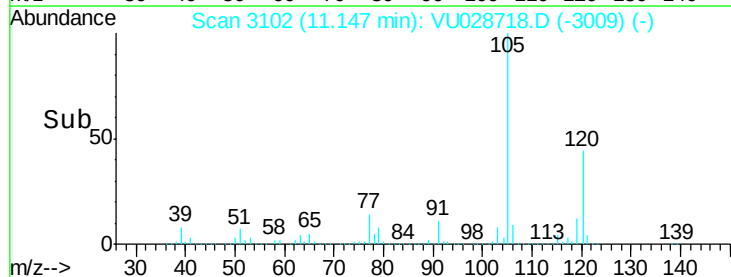
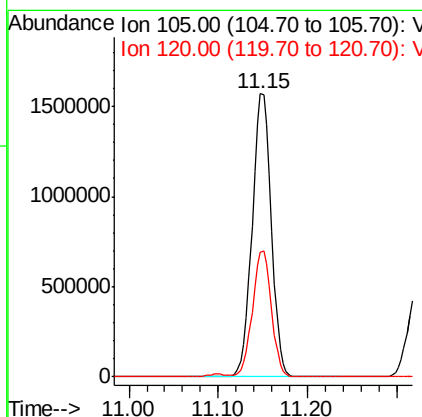
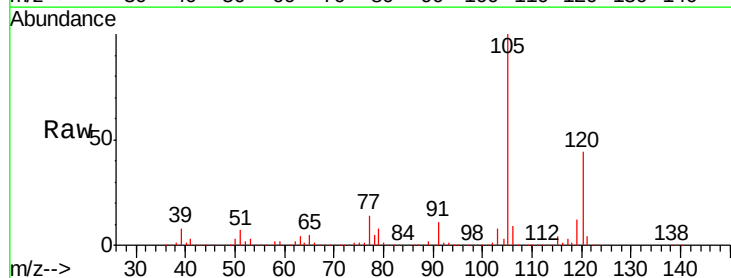
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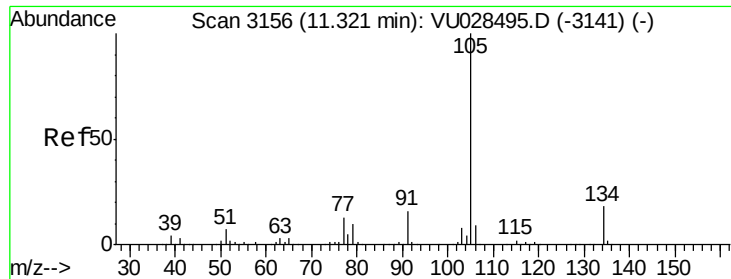
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#84
 1,2,4-Trimethylbenzene
 Concen: 539.449 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2345209		
120	44.3	21.8	65.4	





#85

sec-Butylbenzene

Concen: 142.170 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-J-1218MSD

Tgt Ion:105 Resp: 742616

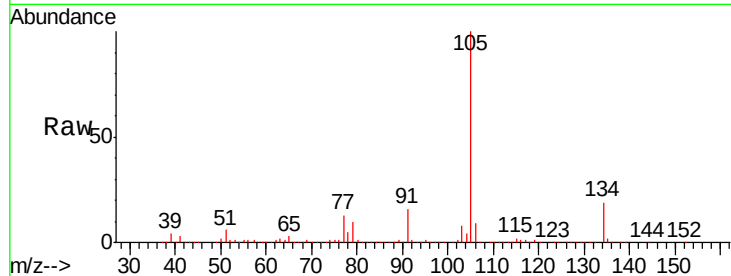
Ion Ratio Lower Upper

105 100

134 18.9 9.2 27.6

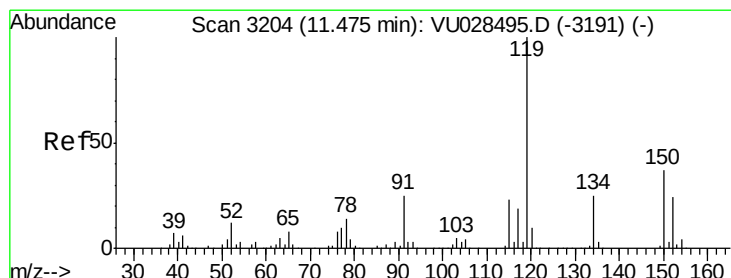
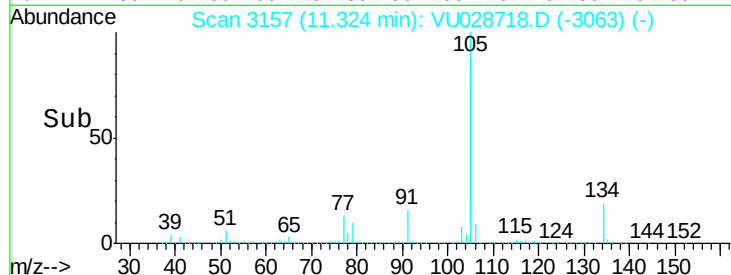
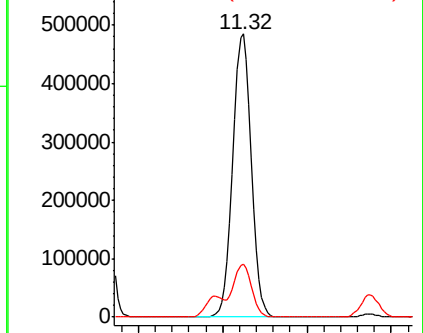
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.118 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028718.D

Acq: 17 Dec 2018 14:18

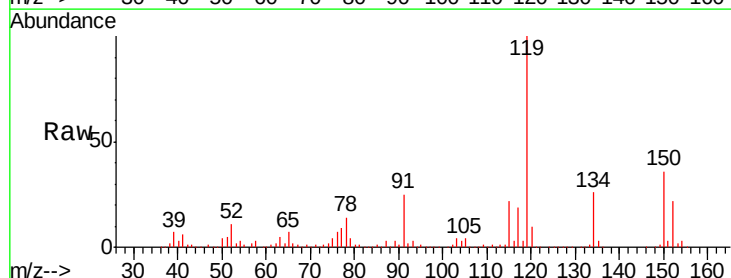
Tgt Ion:119 Resp: 217943

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

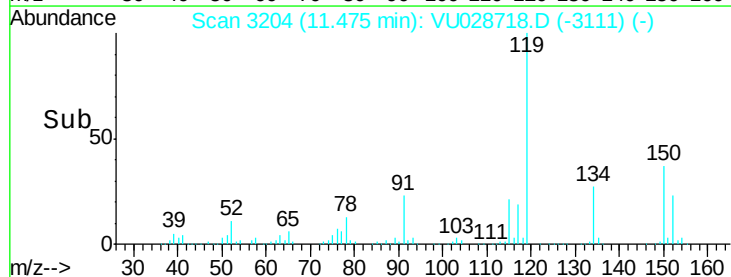
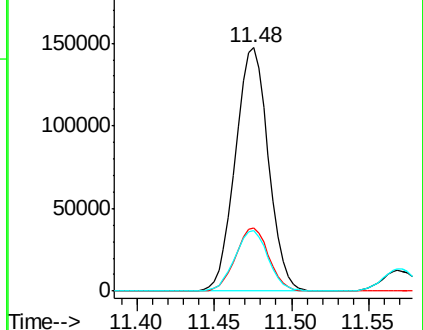
91 24.8 12.6 37.6

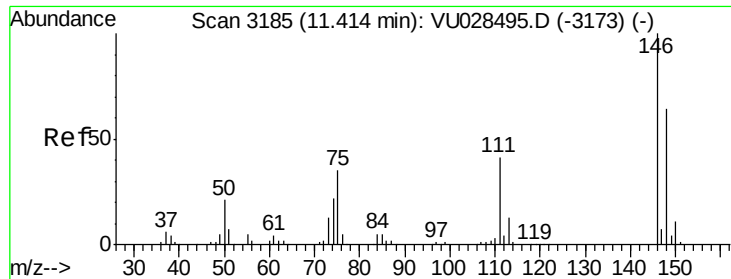


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





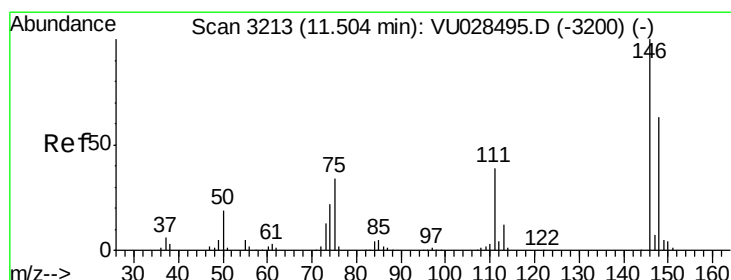
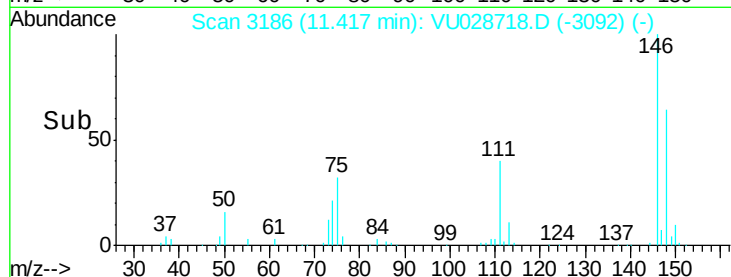
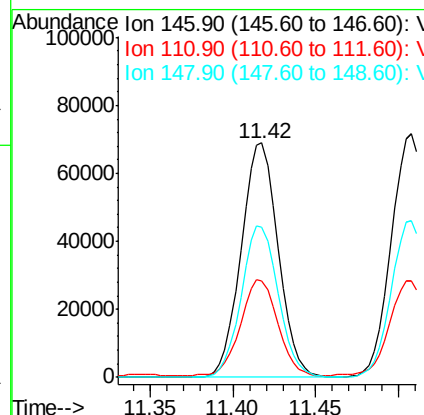
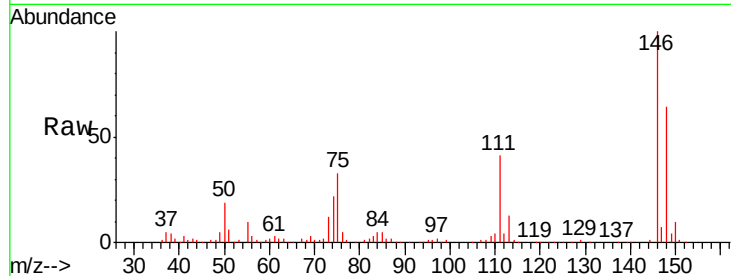
#87
 1,3-Dichlorobenzene
 Concen: 47.633 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	64.6	31.9	95.7

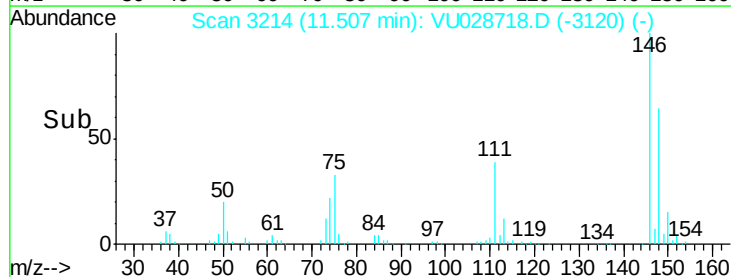
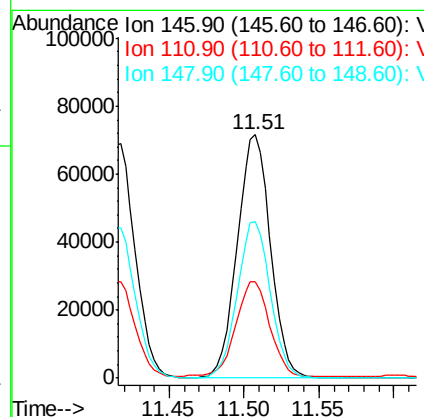
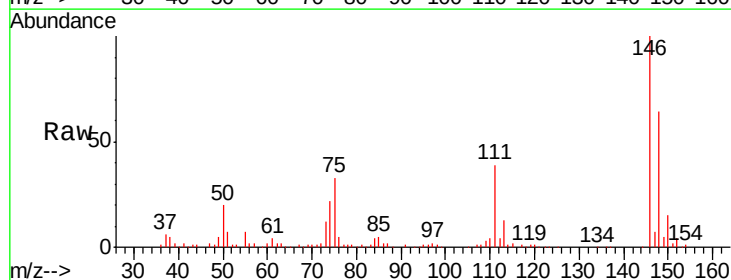
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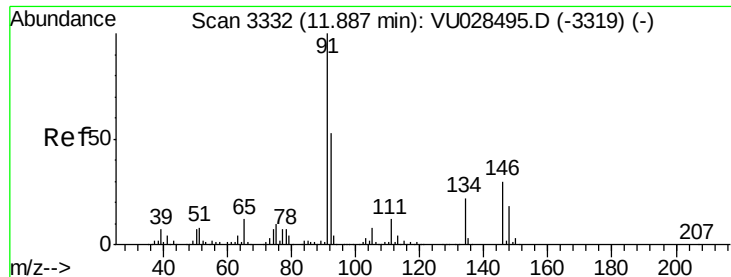
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#88
 1,4-Dichlorobenzene
 Concen: 47.500 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.2	31.6	95.0





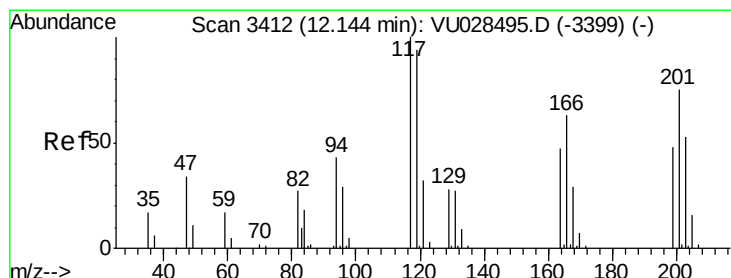
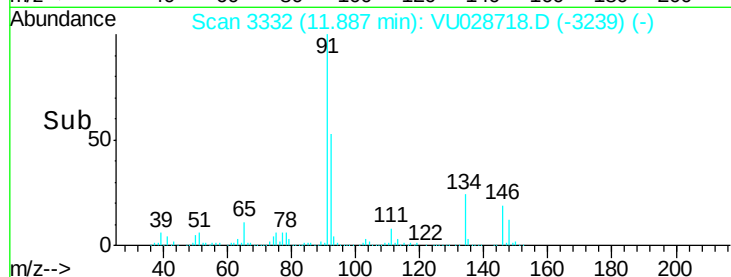
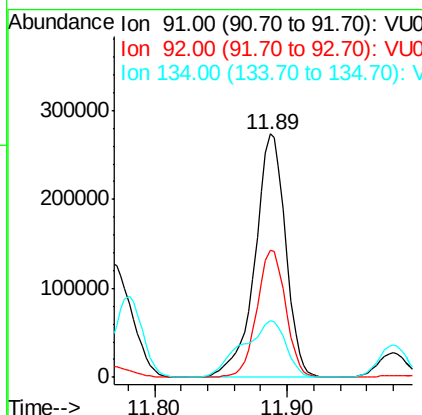
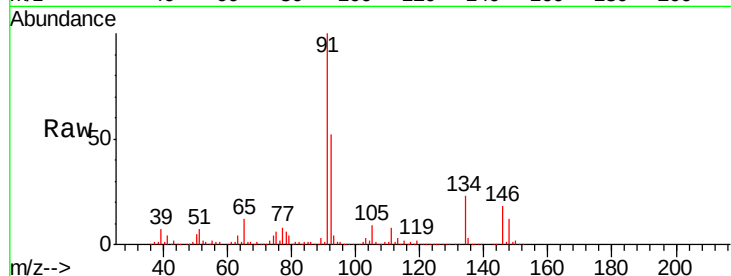
#89
n-Butylbenzene
Concen: 97.412 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.4	26.3	78.9
134	32.9	11.3	33.8

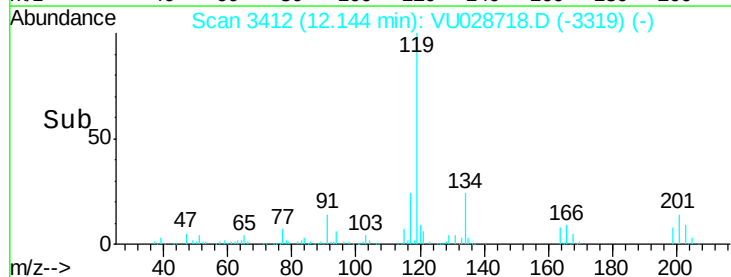
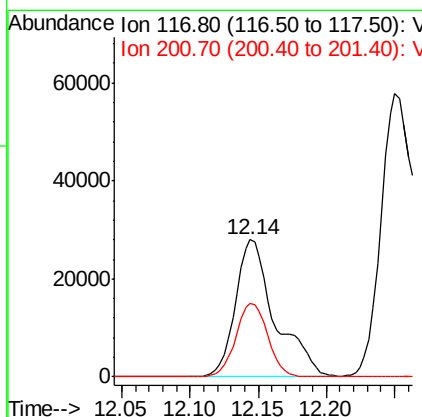
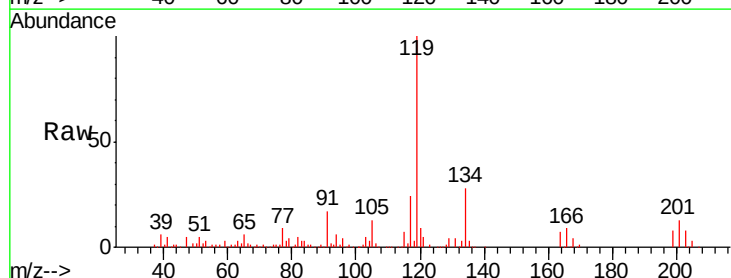
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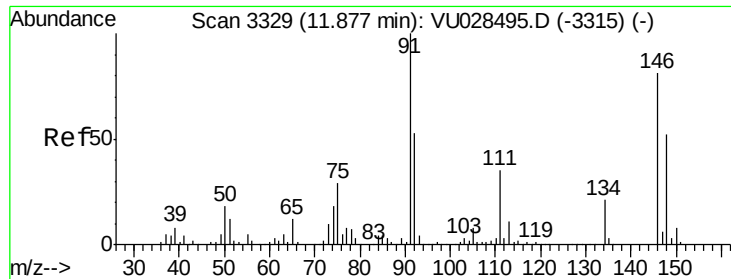
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#90
Hexachloroethane
Concen: 84.177 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	43.1	38.1	114.5





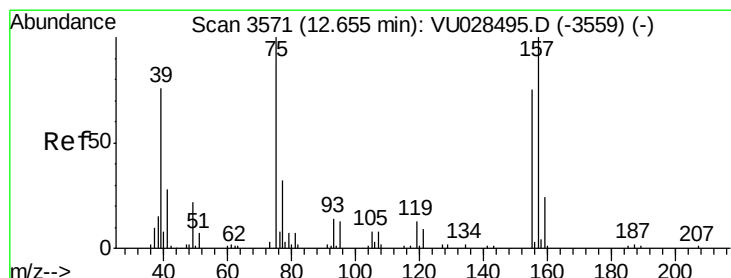
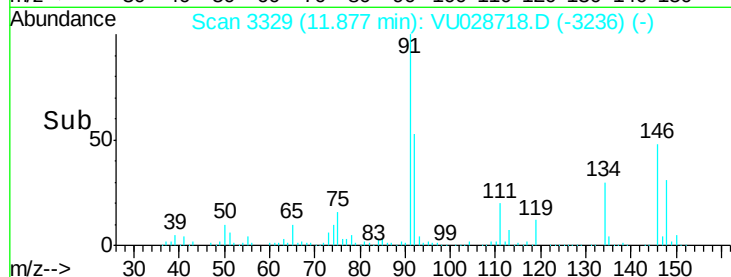
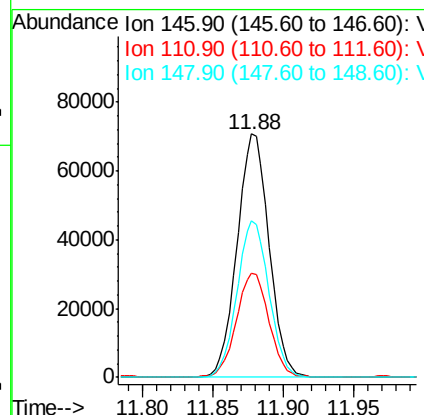
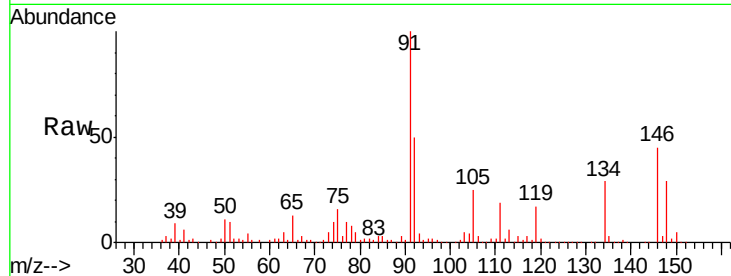
#91
 1,2-Dichlorobenzene
 Concen: 49.943 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	64.0	31.4	94.2

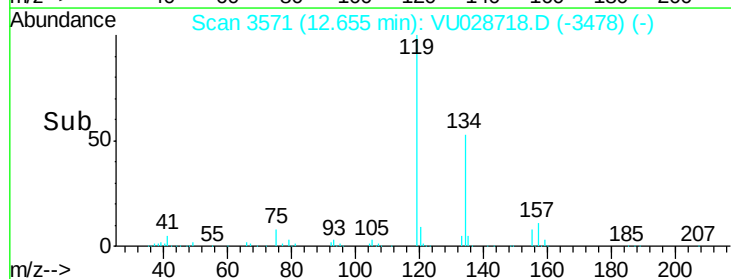
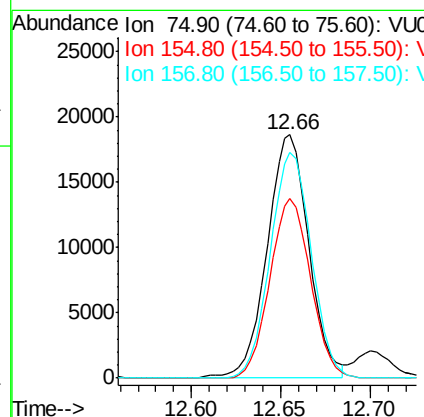
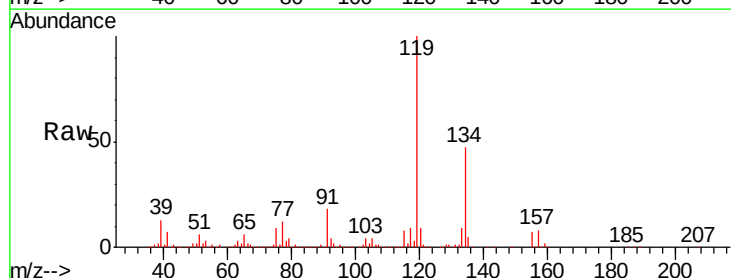
Manual Integrations
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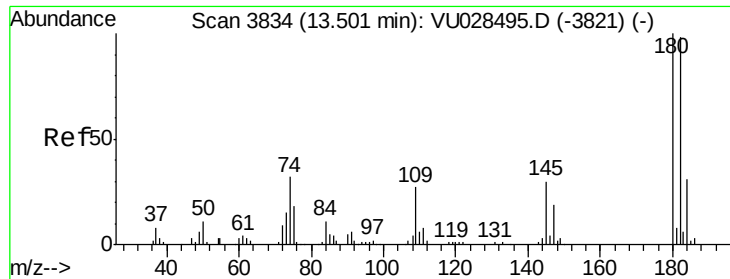
MMDadoda
 12/18/2018 11:31:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.900 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028718.D
 Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.1	114.5
157	91.4	48.7	146.1





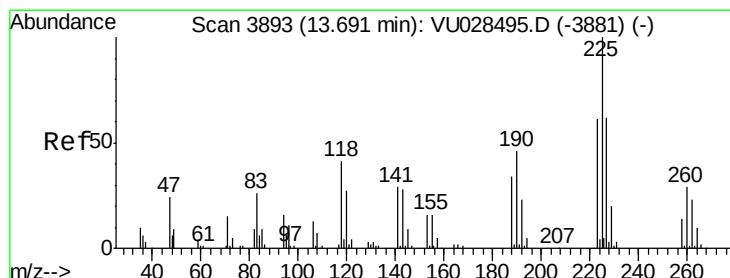
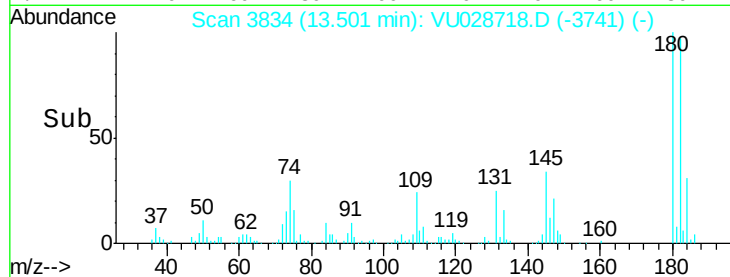
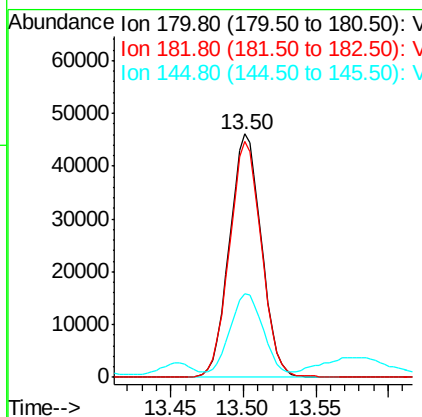
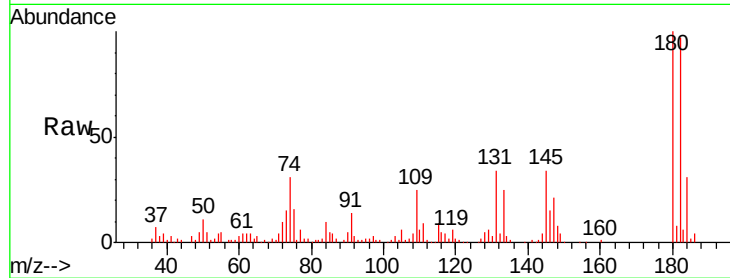
#93
1,2,4-Trichlorobenzene
Concen: 45.642 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.2	47.9	143.8
145	35.3	15.0	45.1

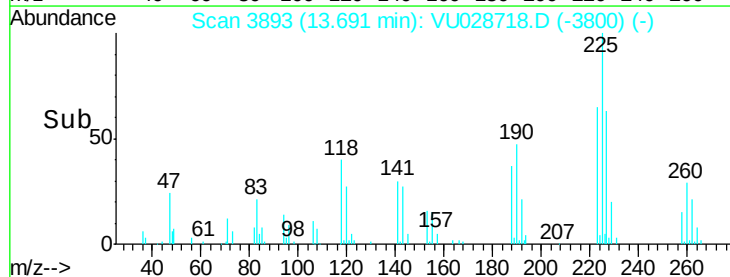
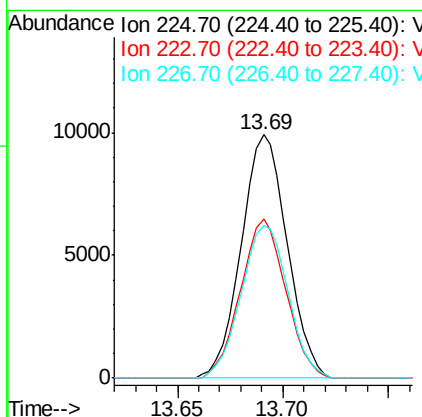
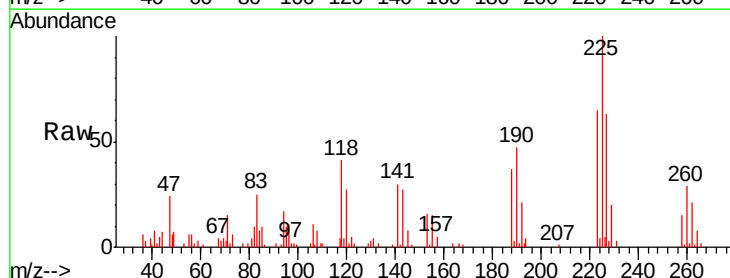
Manual Integrations
APPROVED

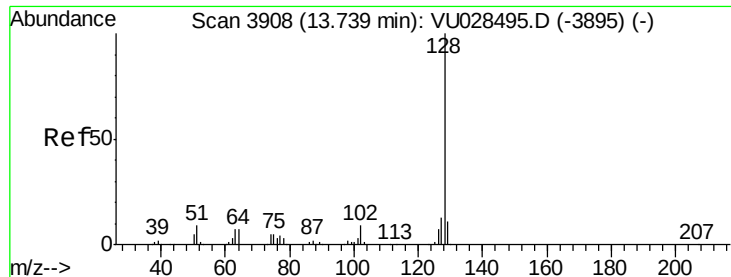
MMDadoda
12/18/2018 11:31:07 AM



#94
Hexachlorobutadiene
Concen: 20.331 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.3	30.4	91.2
227	64.0	30.7	92.1





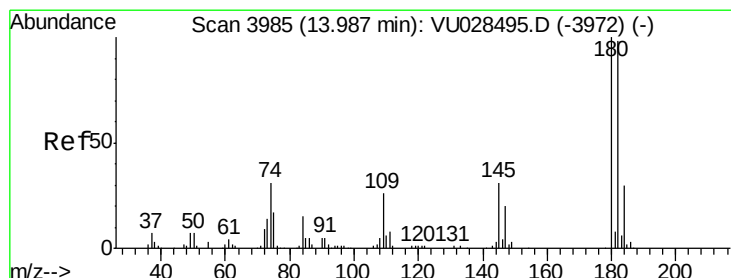
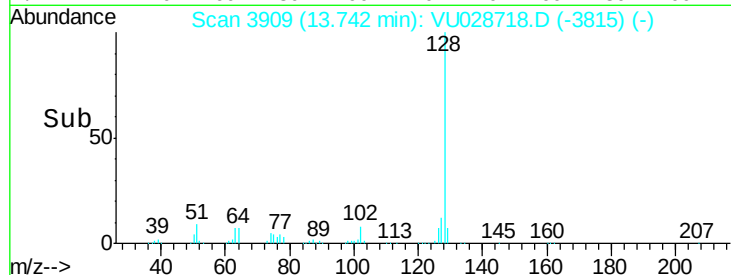
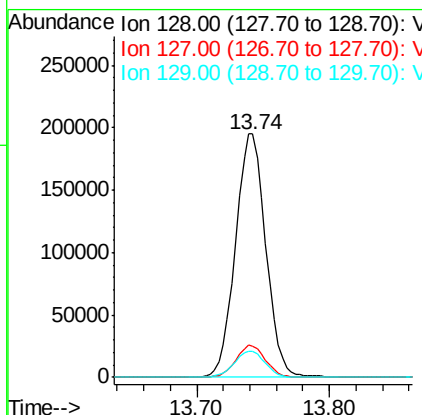
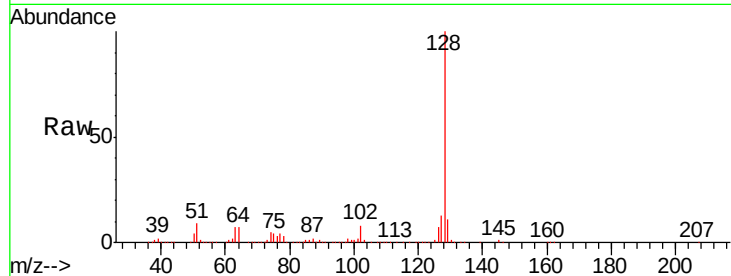
#95
Naphthalene
Concen: 57.272 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	309380		
127	13.0	10.4	15.6	
129	11.0	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/18/2018 11:31:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.466 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028718.D
Acq: 17 Dec 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74610		
182	95.2	48.2	144.6	
145	35.8	15.8	47.3	

