

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028518.D
 Acq On : 06 Dec 2018 22:00
 Operator : MD/SY
 Sample : J6252-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:25 AM

Quant Time: Dec 07 07:03:51 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	91410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164603	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	74887	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.36%		
35) Dibromofluoromethane	4.88	113	54163	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.58%		
50) Toluene-d8	7.57	98	215452	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.16%		
62) 4-Bromofluorobenzene	10.30	95	80233	52.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.78%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	61430	50.138	ug/l	99
3) Chloromethane	1.33	50	110311	48.971	ug/l	99
4) Vinyl Chloride	1.40	62	83131	51.139	ug/l	99
5) Bromomethane	1.62	94	32296	49.320	ug/l	97
6) Chloroethane	1.70	64	47368	51.471	ug/l	99
7) Trichlorofluoromethane	1.89	101	85010	49.705	ug/l	99
8) Diethyl Ether	2.10	74	39707	49.623	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50300	49.175	ug/l	99
10) Methyl Iodide	2.41	142	42526	52.985	ug/l	100
11) Tert butyl alcohol	2.82	59	79212	254.869	ug/l	99
12) 1,1-Dichloroethene	2.29	96	51438	50.541	ug/l	99
13) Acrolein	2.20	56	60663	244.843	ug/l	99
14) Allyl chloride	2.59	41	116188	48.258	ug/l	99
15) Acrylonitrile	2.94	53	226704	262.734	ug/l	99
16) Acetone	2.32	43	178996	196.637	ug/l	99
17) Carbon Disulfide	2.48	76	179861	49.056	ug/l	100
18) Methyl Acetate	2.61	43	119733	50.741	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	195692	50.722	ug/l	100
20) Methylene Chloride	2.70	84	64264	47.890	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	57108	49.837	ug/l	98
22) Diisopropyl ether	3.57	45	243495	52.006	ug/l	100
23) Vinyl Acetate	3.52	43	974544	252.344	ug/l	99
24) 1,1-Dichloroethane	3.45	63	123051	50.207	ug/l	99
25) 2-Butanone	4.26	43	307977	247.571	ug/l	98
26) 2,2-Dichloropropane	4.23	77	90364	46.532	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	65819	50.748	ug/l	99
28) Bromochloromethane	4.55	49	60400	54.211	ug/l	98
29) Tetrahydrofuran	4.64	42	212855	266.421	ug/l	99
30) Chloroform	4.67	83	110545	51.751	ug/l	97
31) Cyclohexane	5.00	56	121647	50.884	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	89558	50.481	ug/l	100
36) 1,1-Dichloropropene	5.13	75	86981	48.290	ug/l	99
37) Ethyl Acetate	4.38	43	115533	49.618	ug/l	99
38) Carbon Tetrachloride	5.13	117	71585	49.308	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	101808	46.330	ug/l	99
40) Benzene	5.39	78	263210	49.615	ug/l	98
41) Methacrylonitrile	4.54	41	69707	54.665	ug/l	96
42) 1,2-Dichloroethane	5.40	62	93235	50.209	ug/l	98
43) Isopropyl Acetate	5.55	43	185029	50.240	ug/l	100
44) Trichloroethene	6.19	130	56829	48.178	ug/l	98
45) 1,2-Dichloropropane	6.43	63	75165	50.385	ug/l	96
46) Dibromomethane	6.56	93	45136	50.993	ug/l	97
47) Bromodichloromethane	6.76	83	85360	49.558	ug/l	99
48) Methyl methacrylate	6.62	41	96098	52.469	ug/l	99
49) 1,4-Dioxane	6.61	88	28149	973.368	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	594729	256.033	ug/l	99
52) Toluene	7.64	92	153089	49.034	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	102427	49.931	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	107592	48.343	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	61953	50.199	ug/l	97
56) Ethyl methacrylate	8.02	69	107867	51.039	ug/l	98
57) 1,3-Dichloropropane	8.24	76	112976	49.314	ug/l	100
59) 2-Hexanone	8.36	43	454092	246.640	ug/l	100
60) Dibromochloromethane	8.48	129	59136	48.941	ug/l	98
61) 1,2-Dibromoethane	8.58	107	66044	51.031	ug/l	100
64) Tetrachloroethene	8.22	164	47870	46.328	ug/l	98
65) Chlorobenzene	9.12	112	159450	48.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53530	50.782	ug/l	99
67) Ethyl Benzene	9.25	91	296409	48.846	ug/l	100
68) m/p-Xylenes	9.37	106	215399	97.550	ug/l	98
69) o-Xylene	9.78	106	106080	49.436	ug/l	99
70) Styrene	9.79	104	174558	49.155	ug/l	99
71) Bromoform	9.95	173	45000	50.183	ug/l #	100
73) Isopropylbenzene	10.16	105	277649	46.770	ug/l	100
74) N-amyl acetate	10.01	43	160508	46.873	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	110601	48.499	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	93146m	47.150	ug/l	
77) Bromobenzene	10.45	156	65728	47.341	ug/l	99
78) n-propylbenzene	10.58	91	350271	47.484	ug/l	100
79) 2-Chlorotoluene	10.66	91	202322	47.615	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	236060	48.038	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41290m	51.374	ug/l	
82) 4-Chlorotoluene	10.77	91	235496	46.769	ug/l	100
83) tert-Butylbenzene	11.10	119	225287	47.564	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	238992	47.191	ug/l	98
85) sec-Butylbenzene	11.32	105	288227	47.368	ug/l	100
86) p-Isopropyltoluene	11.48	119	239349	46.306	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	121146	46.210	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	123845	45.659	ug/l	99
89) n-Butylbenzene	11.89	91	245997	47.026	ug/l	99
90) Hexachloroethane	12.14	117	37338	47.792	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	121406	46.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25099	50.837	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	85767	47.636	ug/l	99

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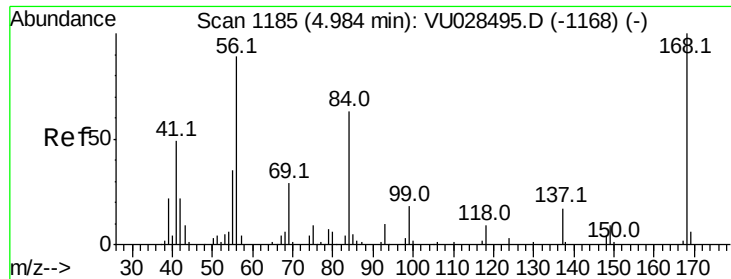
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	37847	44.059	ug/l	97
95) Naphthalene	13.74	128	305148	48.492	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88662	49.438	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:168 Resp: 91410

Ion Ratio Lower Upper

168 100

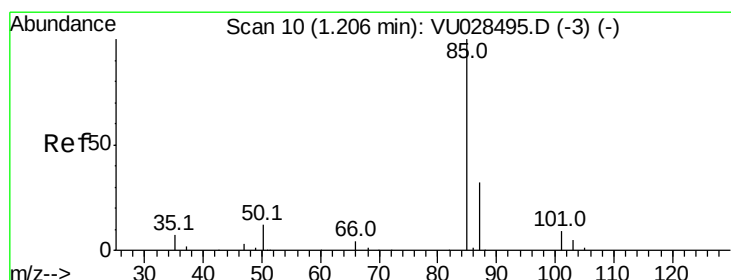
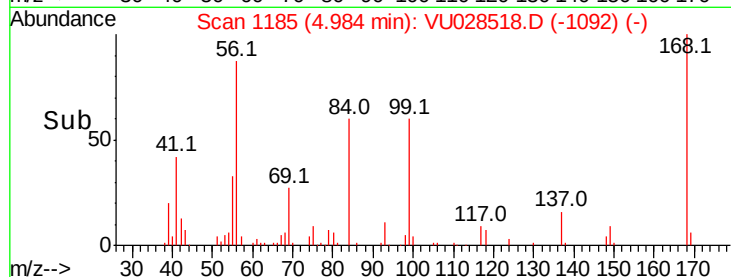
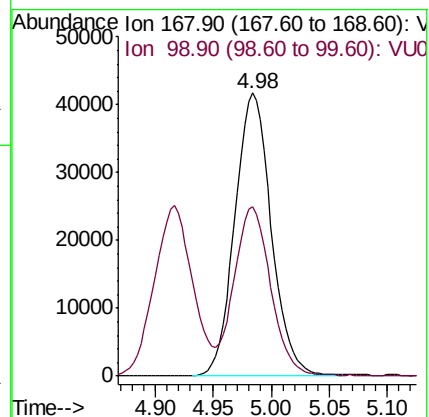
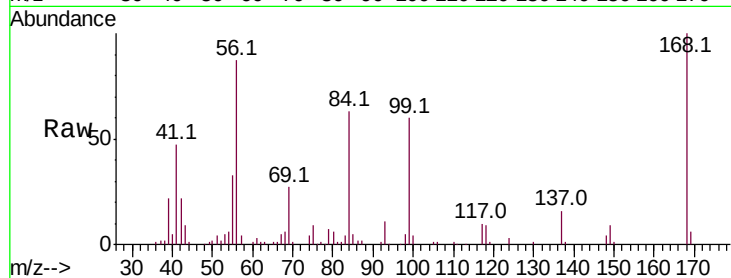
99 59.3 46.6 69.8

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#2

Dichlorodifluoromethane

Concen: 50.138 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028518.D

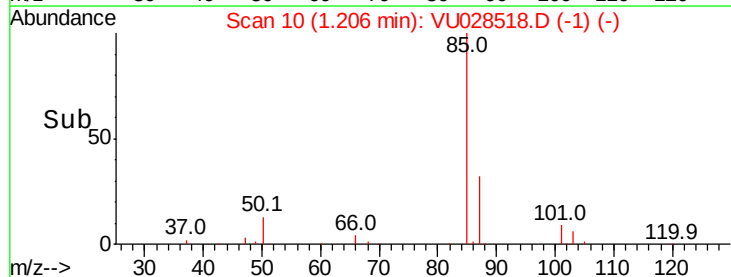
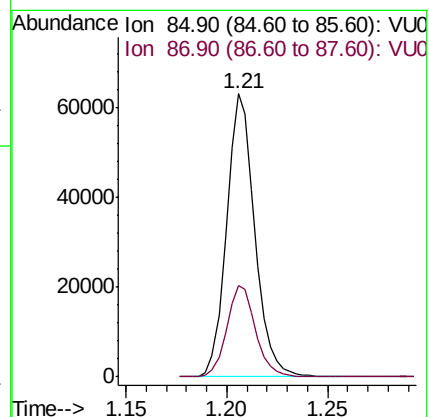
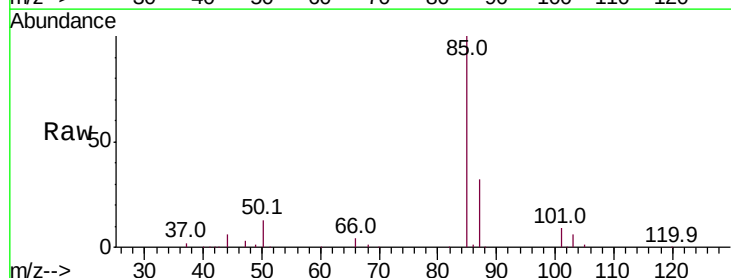
Acq: 06 Dec 2018 22:00

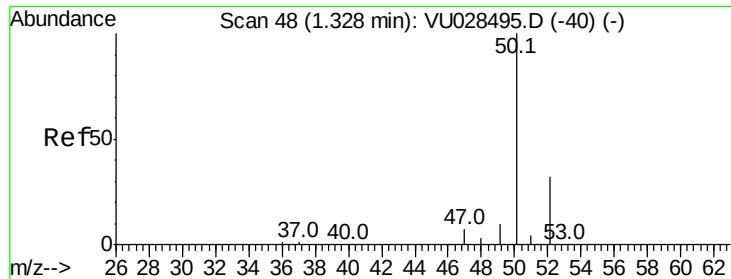
Tgt Ion: 85 Resp: 61430

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6





#3

Chloromethane

Concen: 48.971 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

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Tot Ion: 50 Resp: 110311

Ion Ratio Lower Upper

50 100

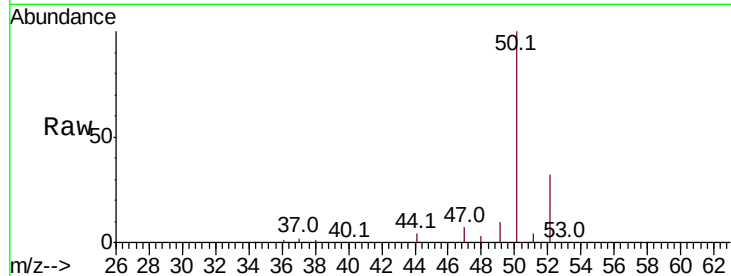
52 31.6 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

120000

100000

80000

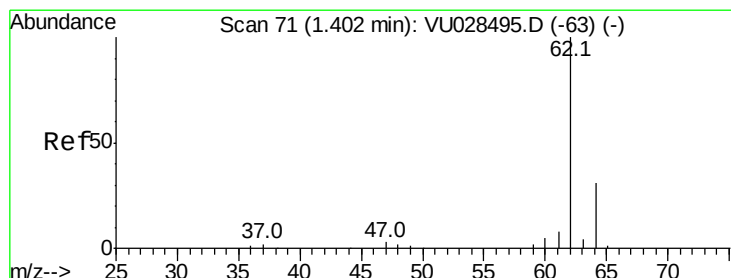
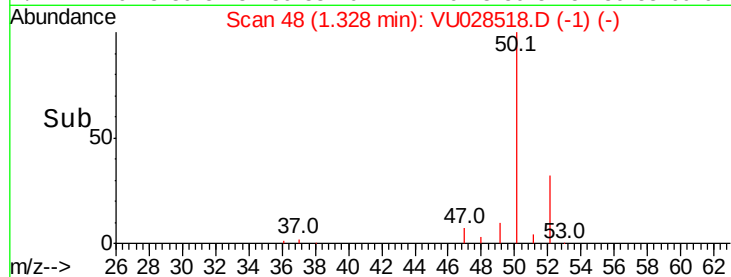
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 51.139 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028518.D

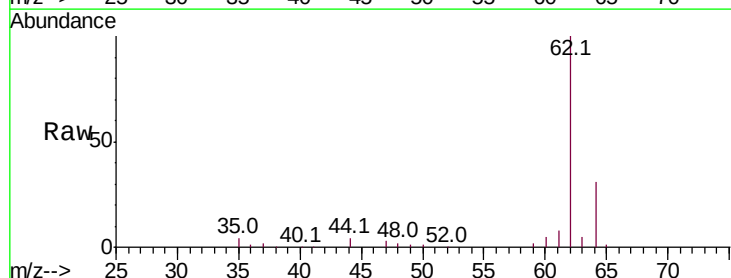
Acq: 06 Dec 2018 22:00

Tgt Ion: 62 Resp: 83131

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

80000

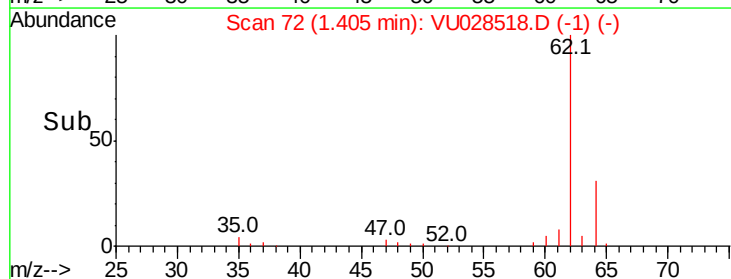
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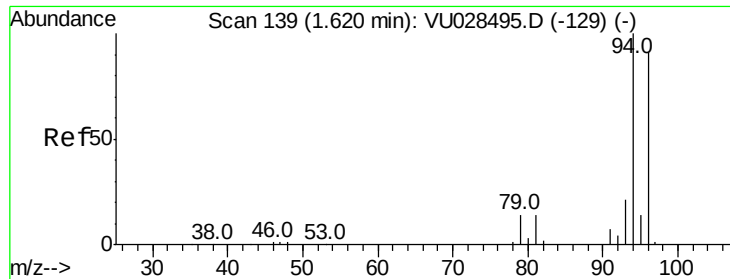
40000

20000

0

Time-->





#5

Bromomethane

Concen: 49.320 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

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Tot Ion: 94 Resp: 32296

Ion Ratio Lower Upper

94 100

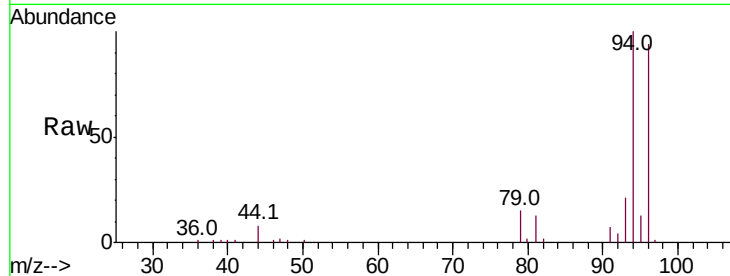
96 94.3 73.2 109.8

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

25000

20000

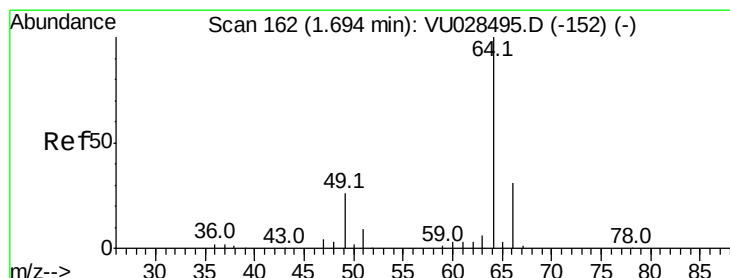
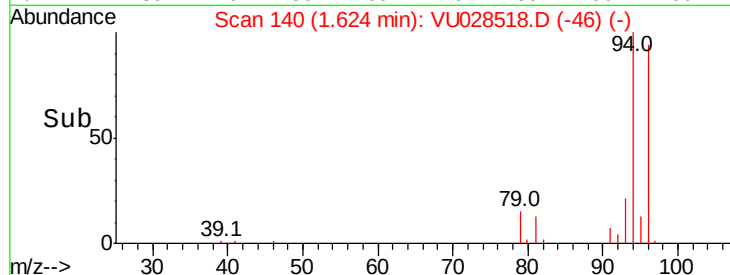
15000

10000

5000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 51.471 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU028518.D

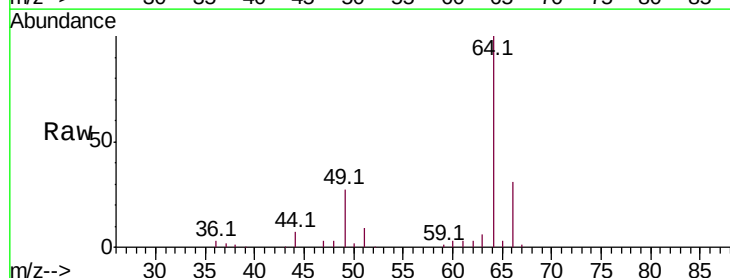
Acq: 06 Dec 2018 22:00

Tgt Ion: 64 Resp: 47368

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

40000

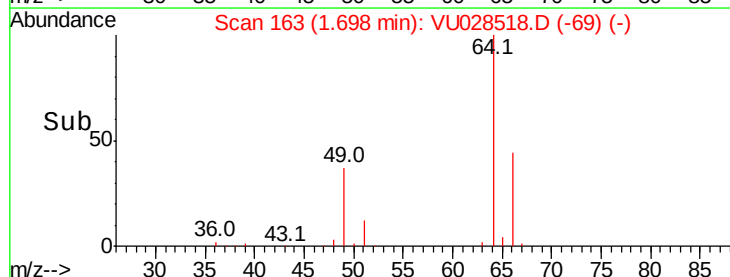
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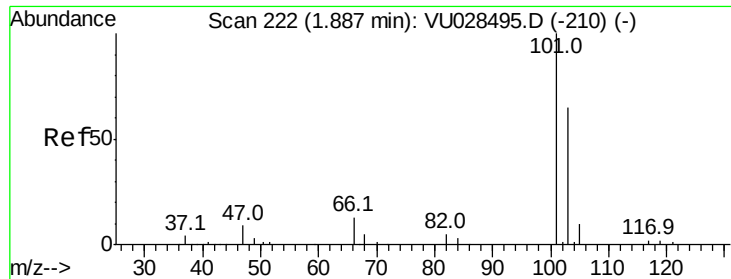
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10000

0

Time--> 1.65 1.70 1.75





#7

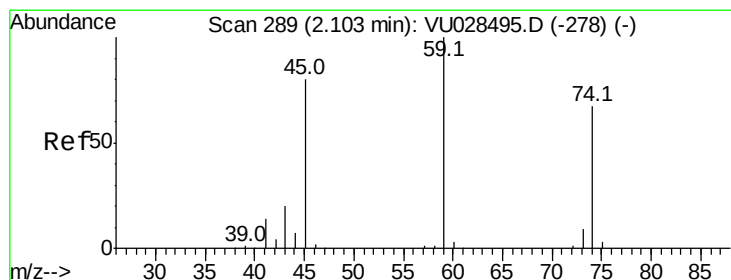
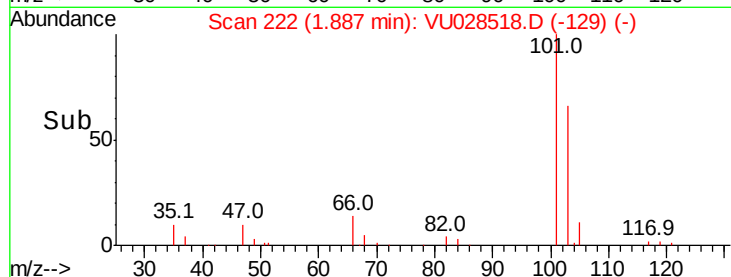
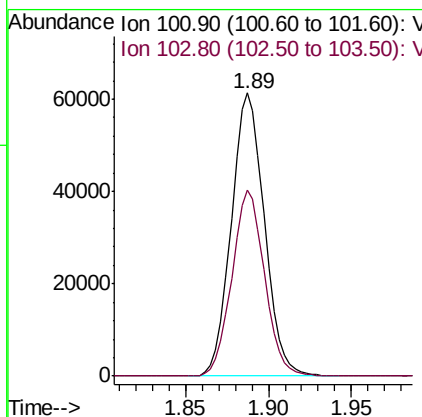
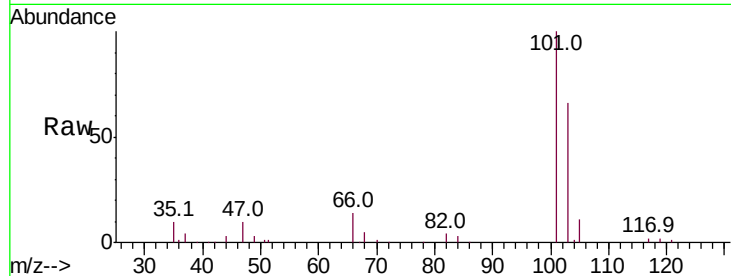
Trichlorofluoromethane
 Concen: 49.705 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

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Tot Ion:101 Resp: 85010
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.3 78.5

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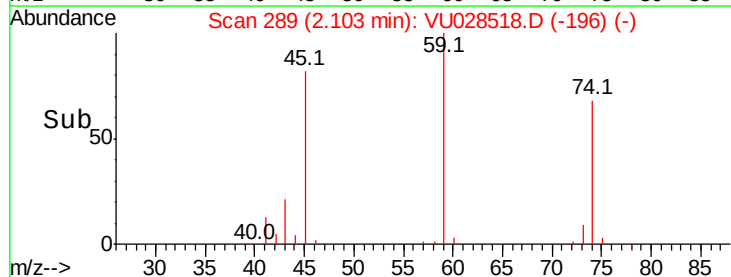
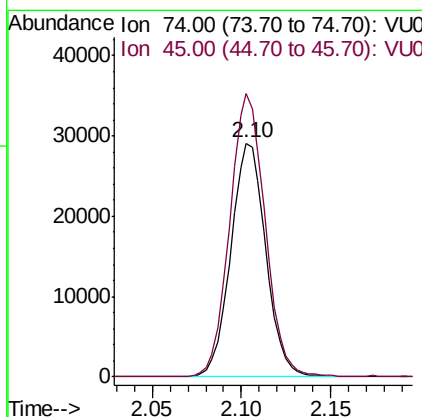
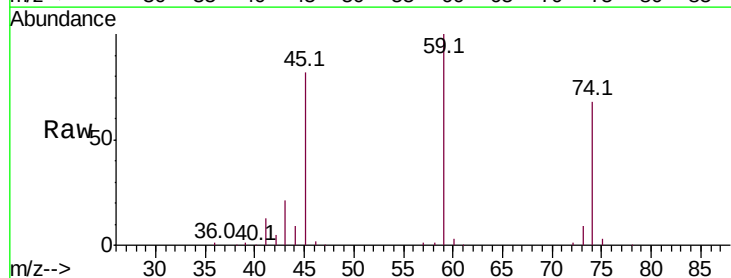
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 12/7/2018 10:35:25 AM

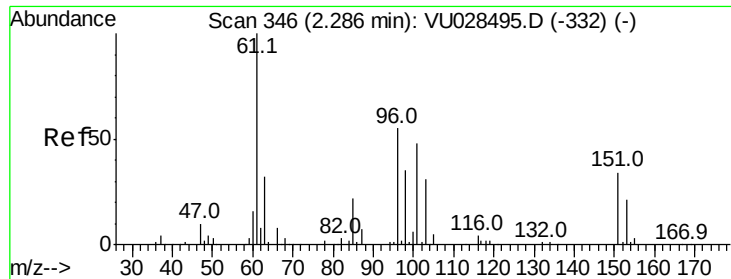


#8

Diethyl Ether
 Concen: 49.623 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 74 Resp: 39707
 Ion Ratio Lower Upper
 74 100
 45 122.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.175 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

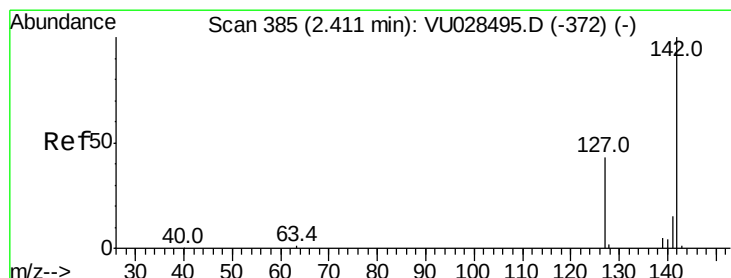
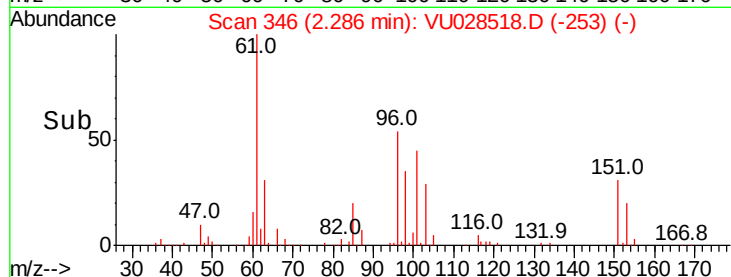
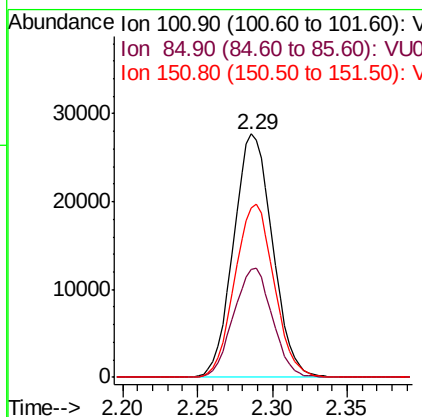
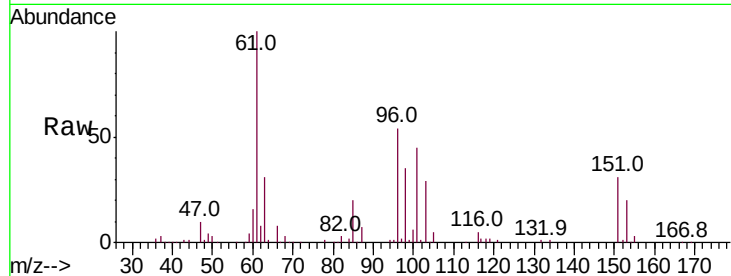
ClientSampleId :

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Tot Ion:	101	Resp:	50300
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.4	54.6
151	71.6	58.2	87.2

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#10

Methyl Iodide

Concen: 52.985 ug/l

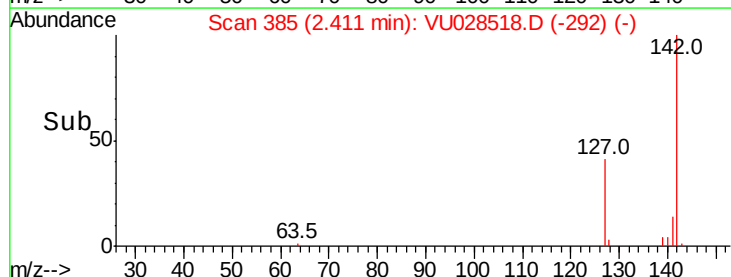
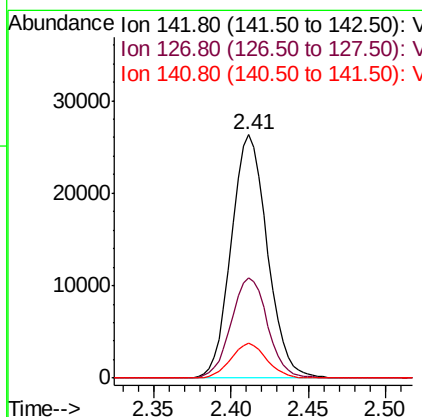
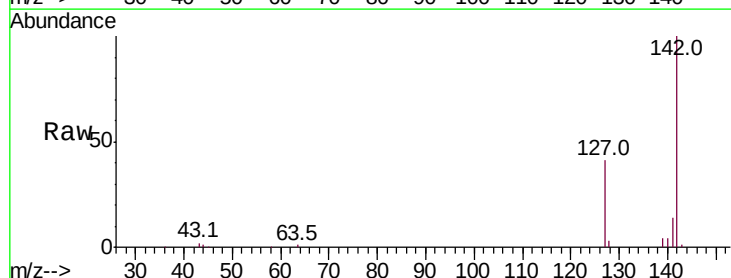
RT: 2.41 min Scan# 385

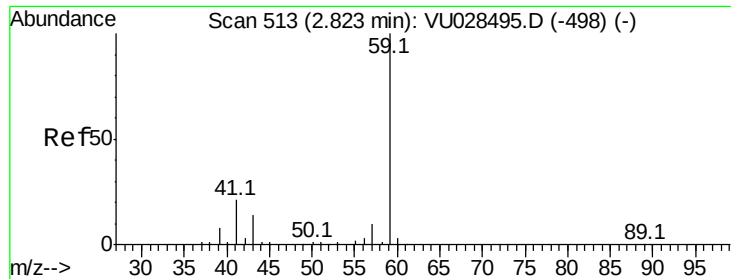
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion:	142	Resp:	42526
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.5	50.3
141	14.2	11.2	16.8





#11

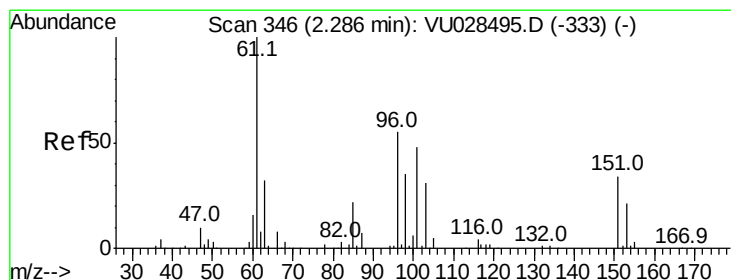
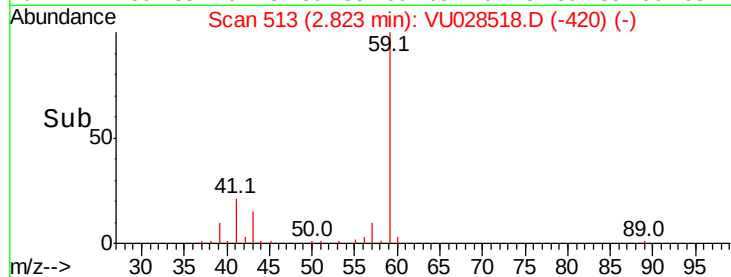
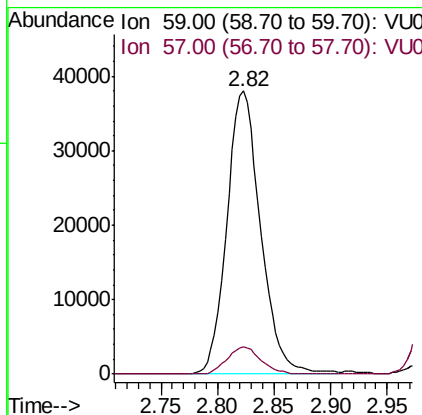
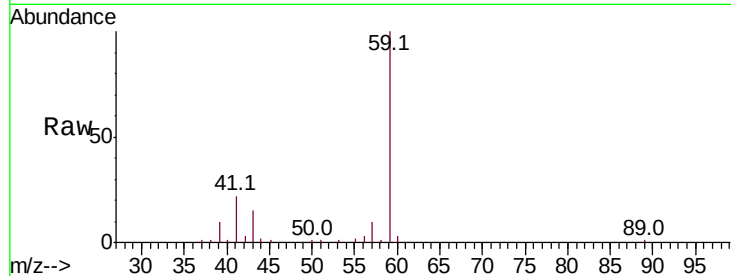
Tert butyl alcohol
 Concen: 254.869 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.0	12.0

Manual Integrations
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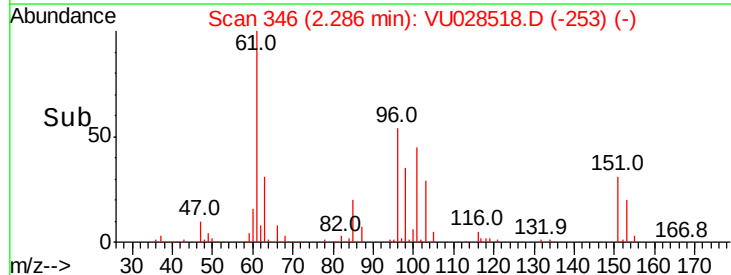
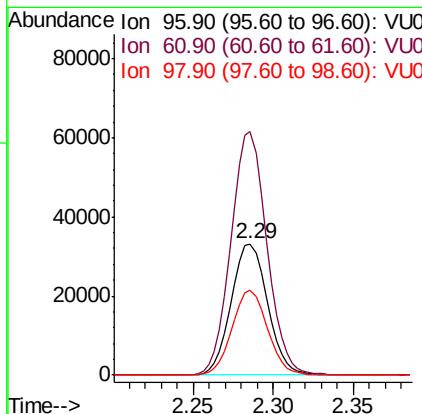
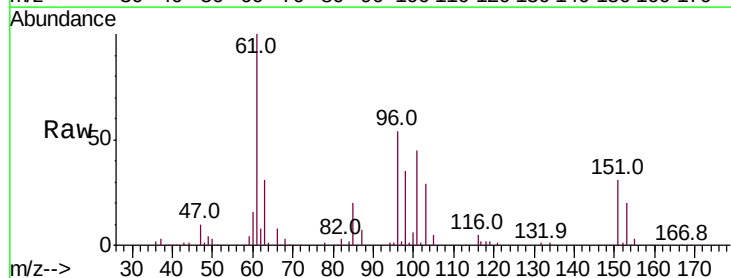
MMDadoda
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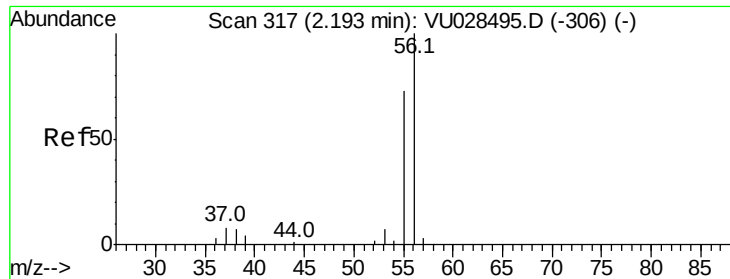


#12

1,1-Dichloroethene
 Concen: 50.541 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.3	146.4	219.6
98	64.9	51.8	77.8





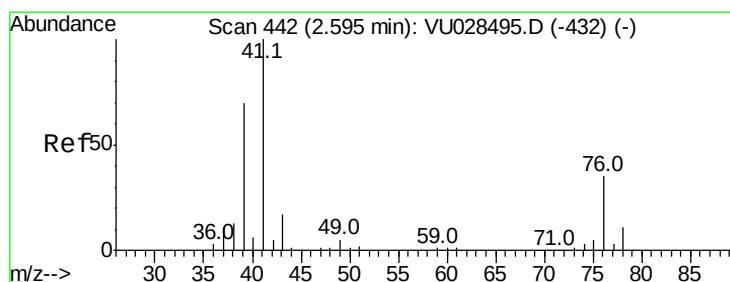
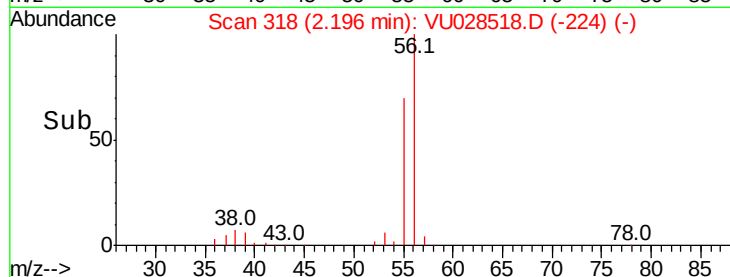
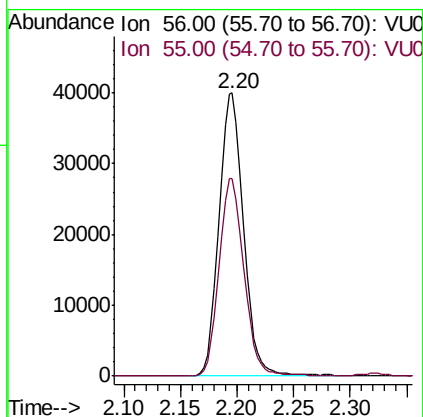
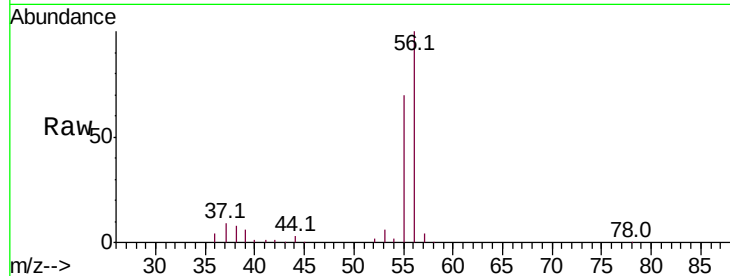
#13
Acrolein
Concen: 244.843 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 56 Resp: 60663
Ion Ratio Lower Upper
56 100
55 70.8 57.5 86.3

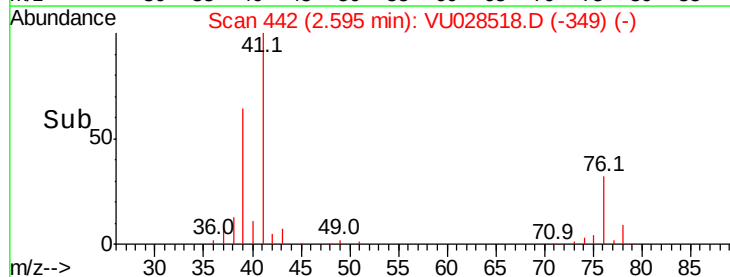
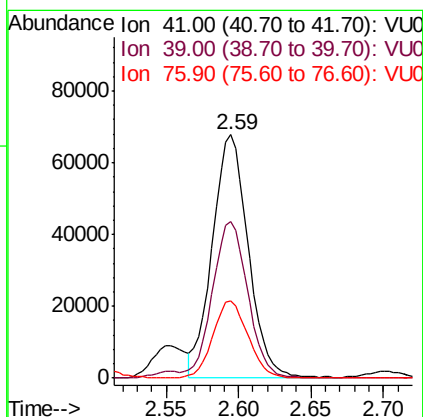
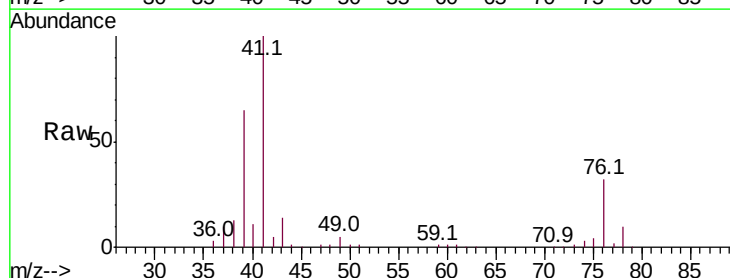
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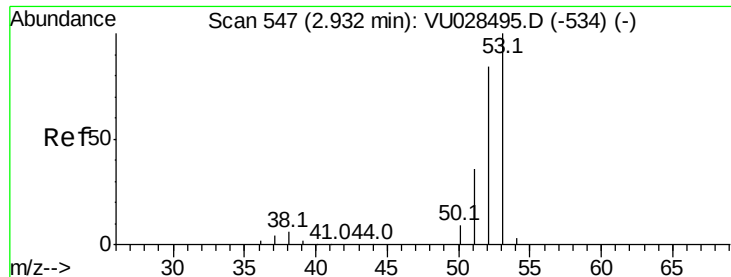
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#14
Allyl chloride
Concen: 48.258 ug/l
RT: 2.59 min Scan# 442
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 41 Resp: 116188
Ion Ratio Lower Upper
41 100
39 64.1 50.8 76.2
76 31.2 24.8 37.2





#15

Acrylonitrile

Concen: 262.734 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

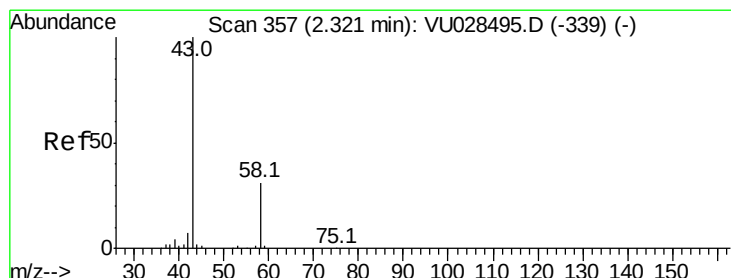
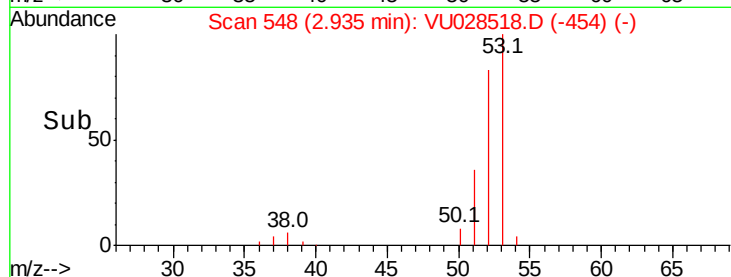
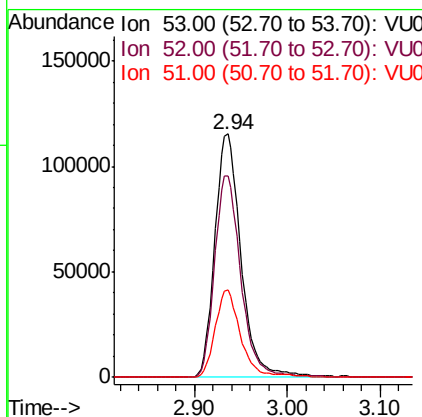
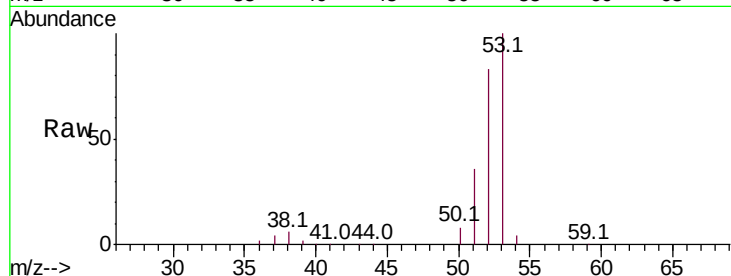
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	53	Resp:	226704
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.1	99.1
51	35.4	28.1	42.1

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#16

Acetone

Concen: 196.637 ug/l

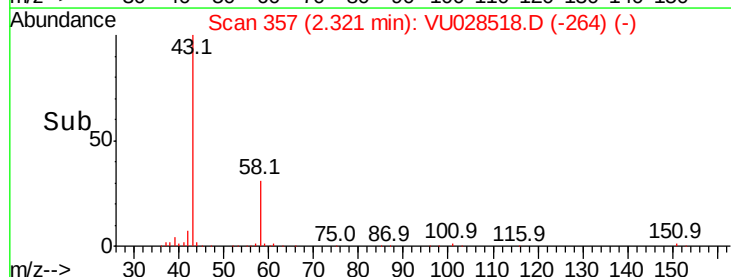
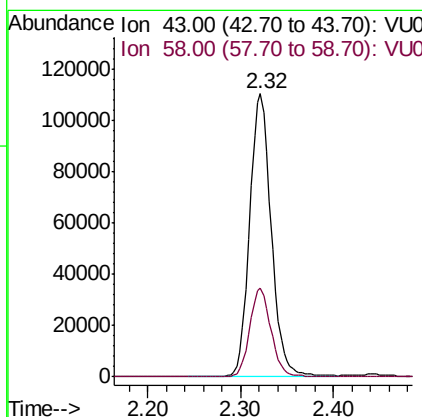
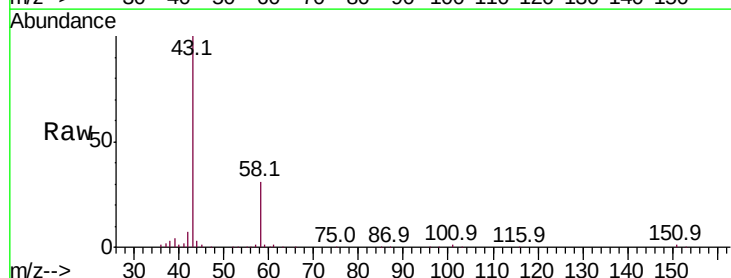
RT: 2.32 min Scan# 357

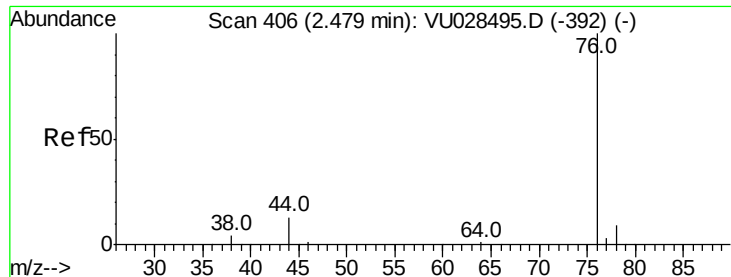
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion:	43	Resp:	178996
Ion Ratio	Lower	Upper	
43	100		
58	31.2	24.6	37.0





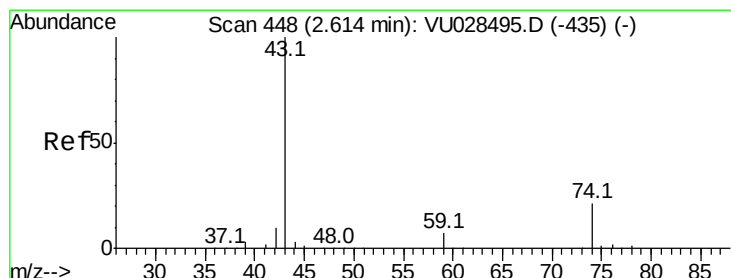
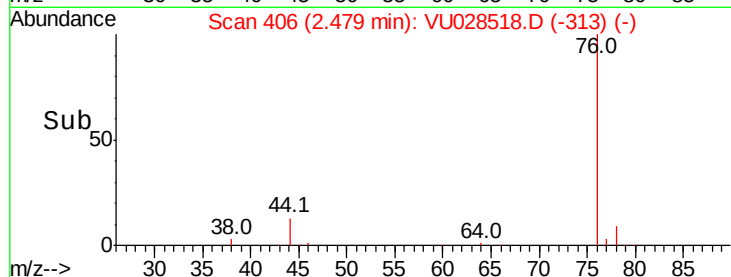
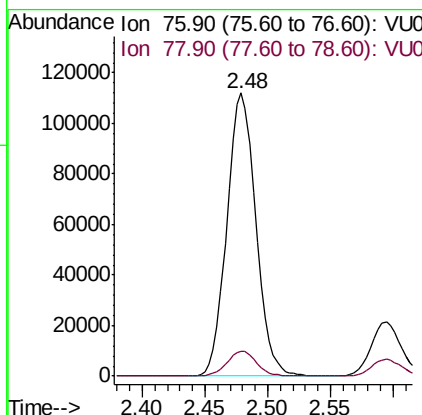
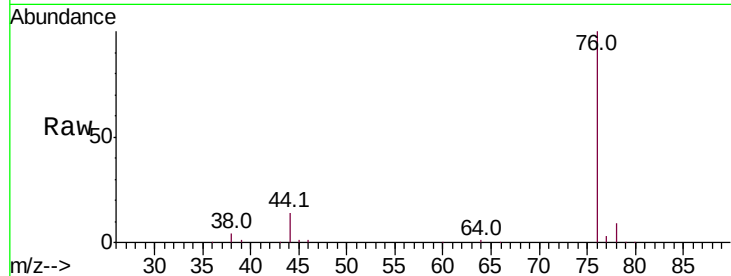
#17
Carbon Disulfide
Concen: 49.056 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 76 Resp: 179861
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

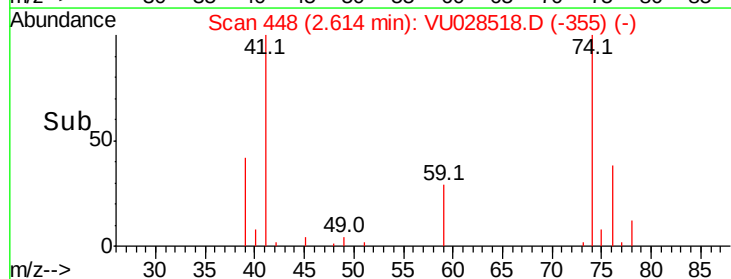
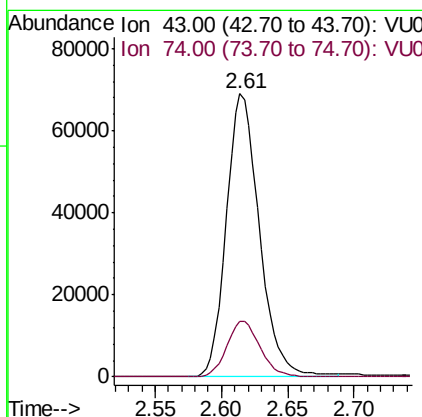
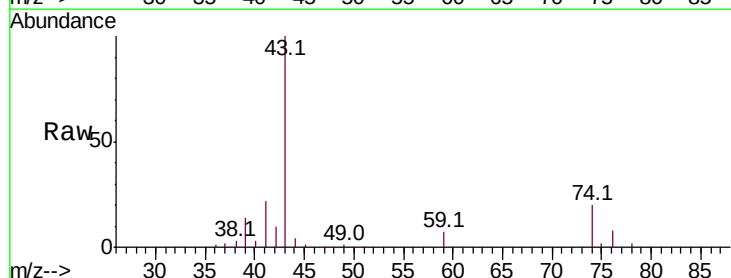
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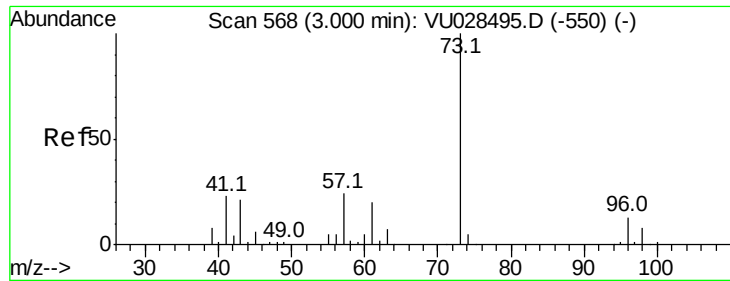
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#18
Methyl Acetate
Concen: 50.741 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 43 Resp: 119733
Ion Ratio Lower Upper
43 100
74 19.7 16.4 24.6





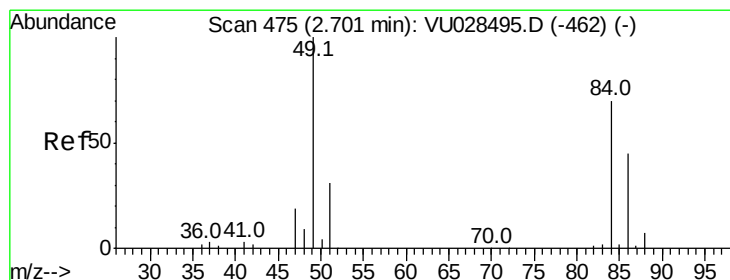
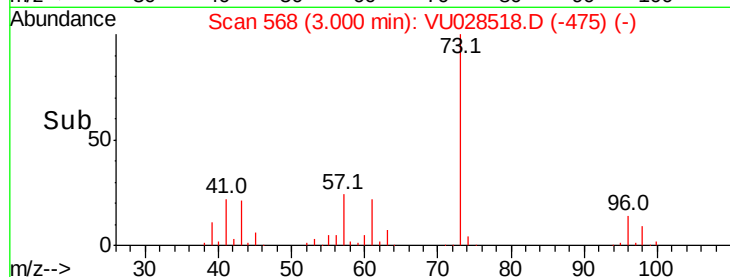
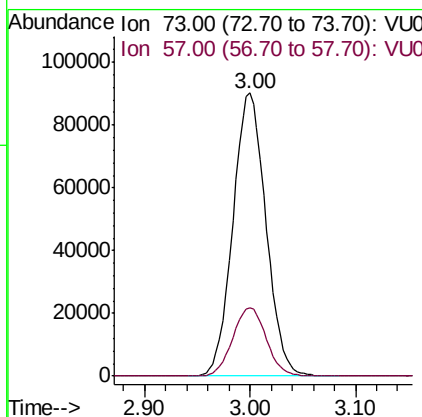
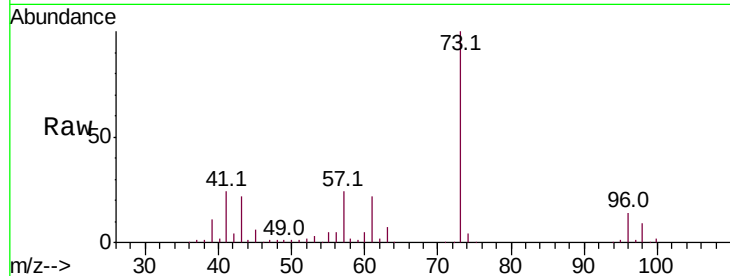
#19
Methyl tert-butyl Ether
Concen: 50.722 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 73 Resp: 195692
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.2

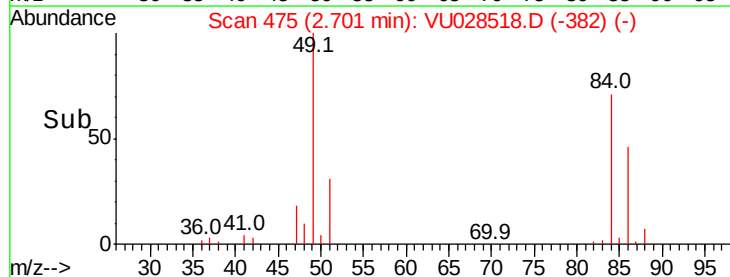
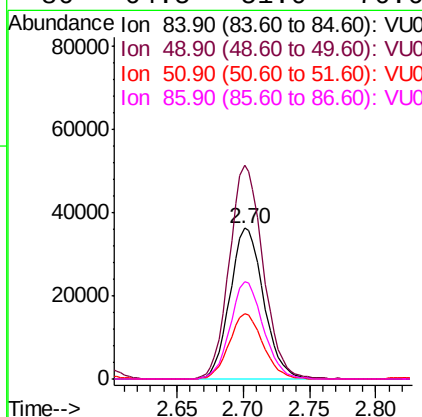
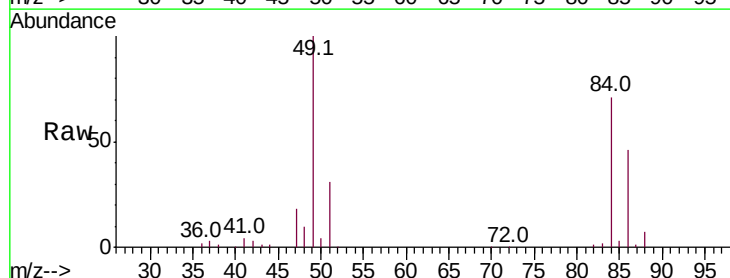
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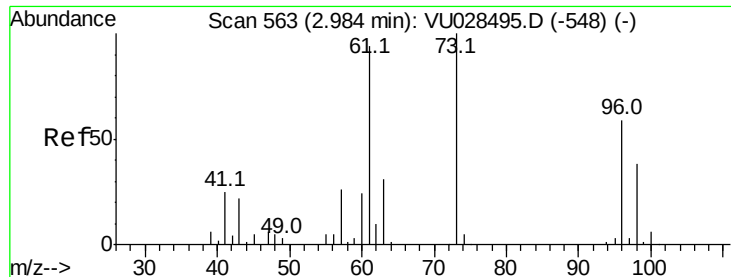
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#20
Methylene Chloride
Concen: 47.890 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 84 Resp: 64264
Ion Ratio Lower Upper
84 100
49 141.5 114.0 171.0
51 43.3 35.1 52.7
86 64.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.837 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 96 Resp: 57108

Ion Ratio Lower Upper

96 100

61 156.8 127.0 190.4

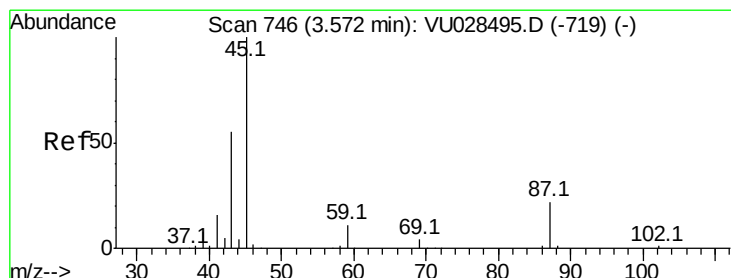
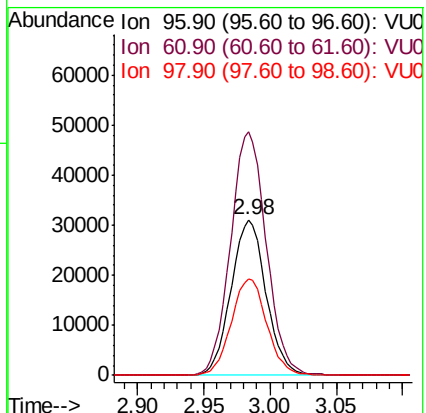
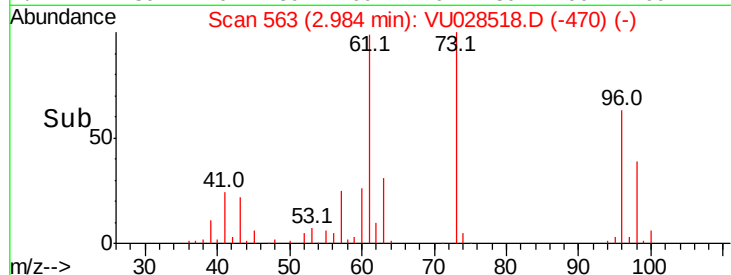
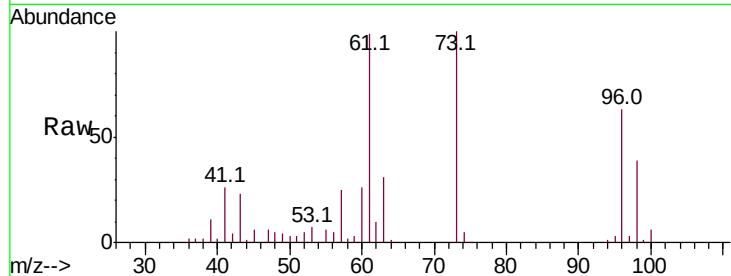
98 62.5 51.9 77.9

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#22

Diisopropyl ether

Concen: 52.006 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion: 45 Resp: 243495

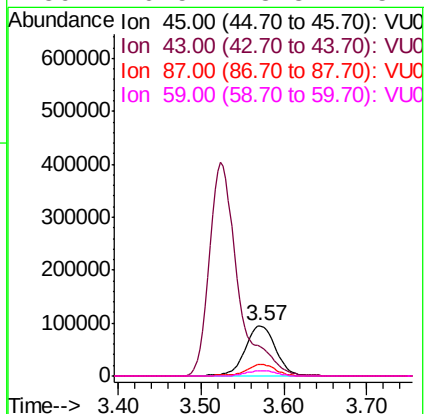
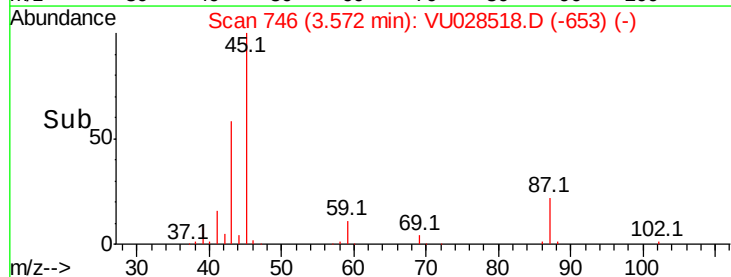
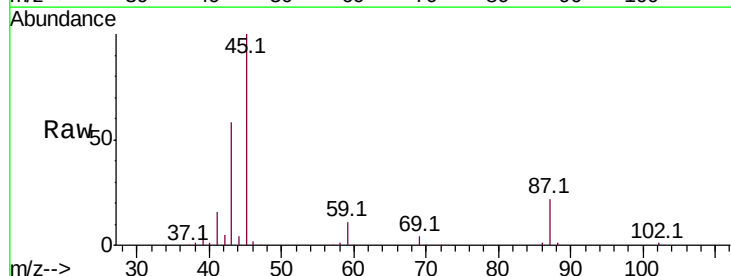
Ion Ratio Lower Upper

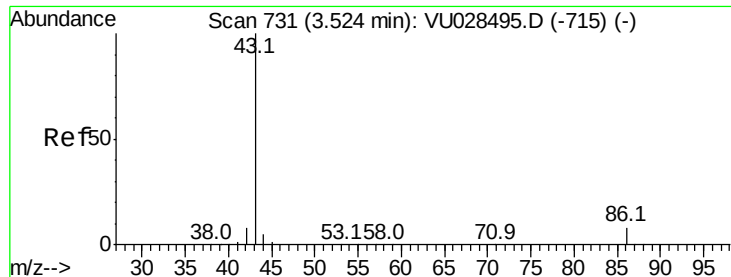
45 100

43 56.8 45.3 67.9

87 22.1 17.6 26.4

59 10.5 8.8 13.2





#23

Vinyl Acetate

Concen: 252.344 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 974544

Ion Ratio Lower Upper

43 100

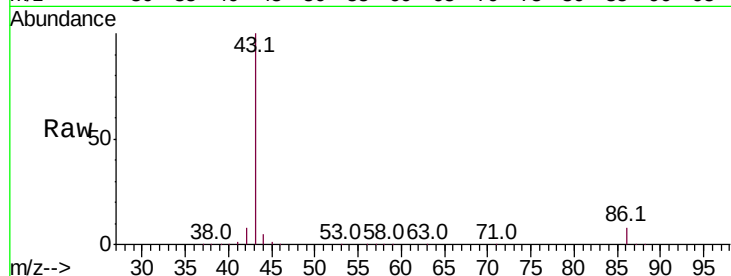
86 8.2 6.8 10.2

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Abundance Ion 43.00 (42.70 to 43.70): VU028518.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028518.D (-638) (-)

3.52

400000

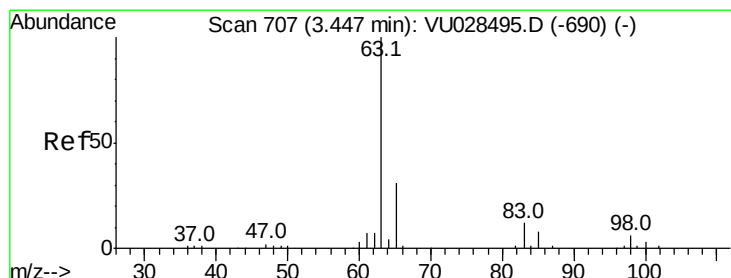
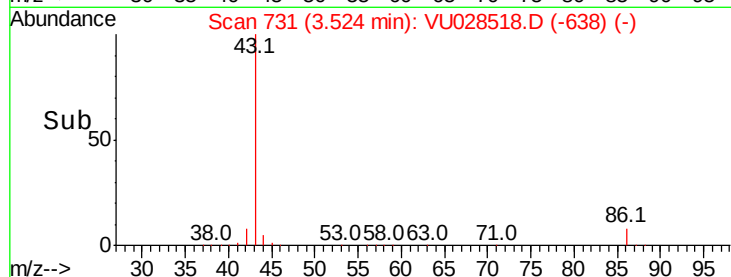
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.207 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

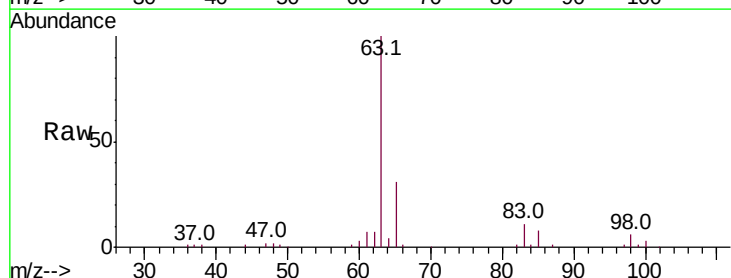
Tgt Ion: 63 Resp: 123051

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.2 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028518.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028518.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028518.D (-614) (-)

3.45

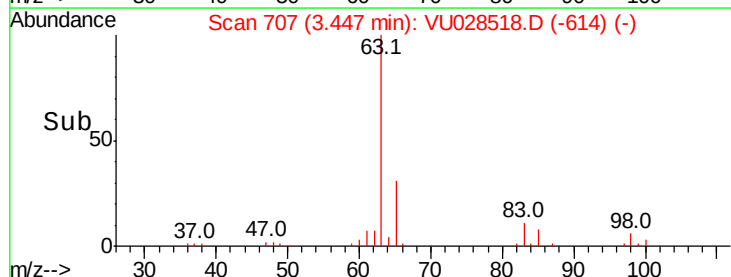
60000

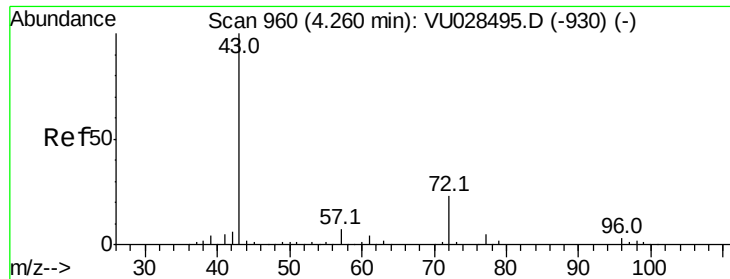
40000

20000

0

Time-->





#25

2-Butanone

Concen: 247.571 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 307977

Ion Ratio Lower Upper

43 100

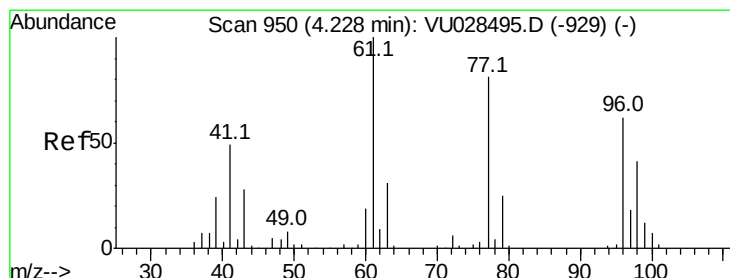
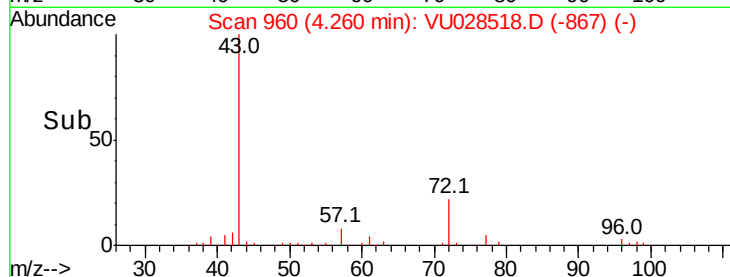
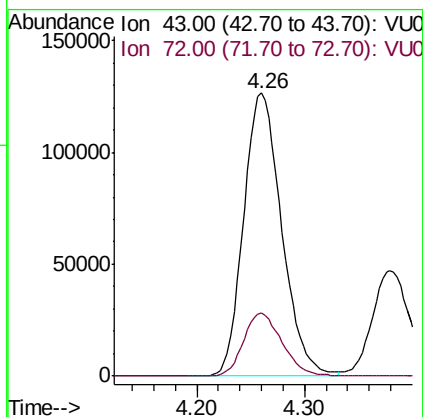
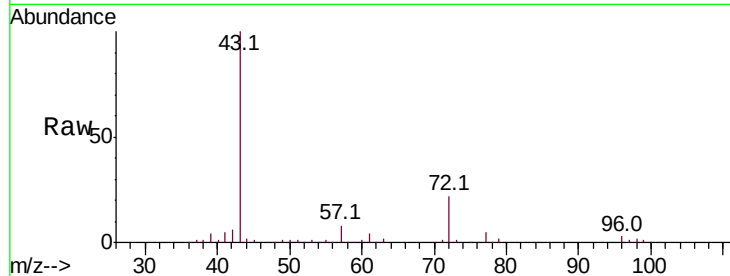
72 22.3 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.532 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028518.D

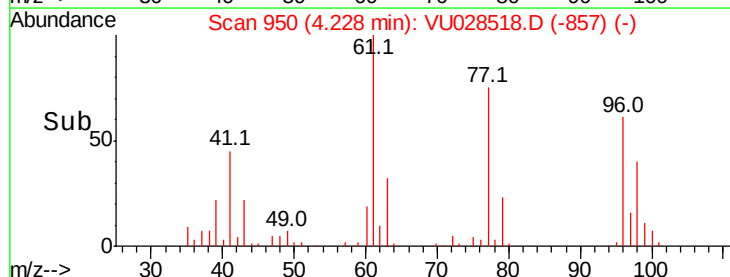
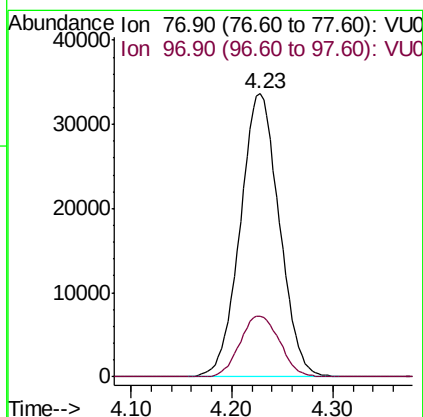
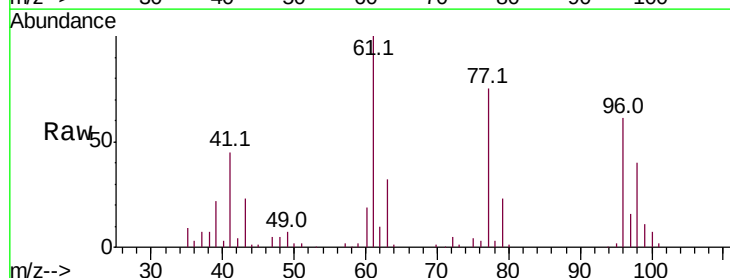
Acq: 06 Dec 2018 22:00

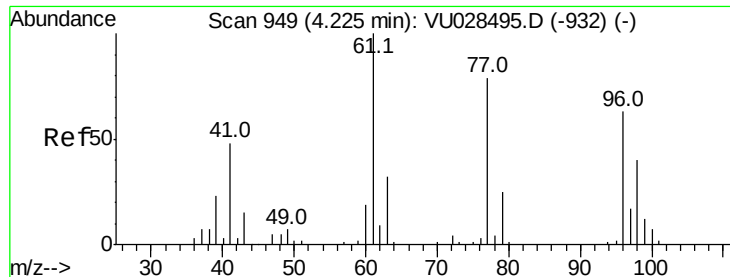
Tgt Ion: 77 Resp: 90364

Ion Ratio Lower Upper

77 100

97 21.8 11.0 33.0





#27

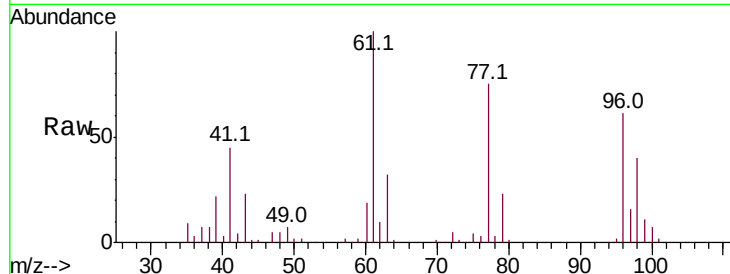
cis-1,2-Dichloroethene
Concen: 50.748 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	332.4
98	65.1	0.0	129.0

Manual Integrations
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MMDadoda
12/7/2018 10:35:25 AM

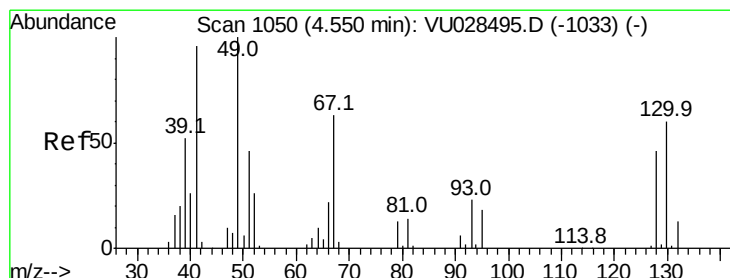
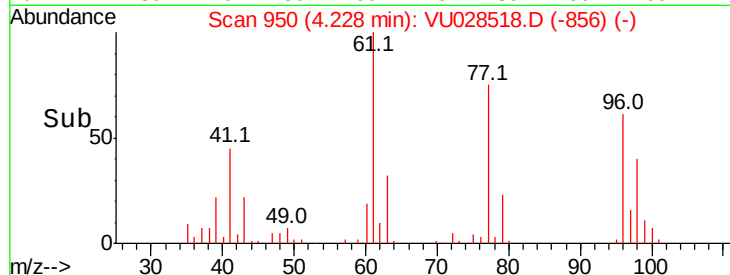
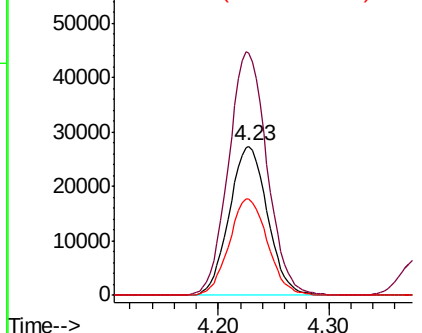


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

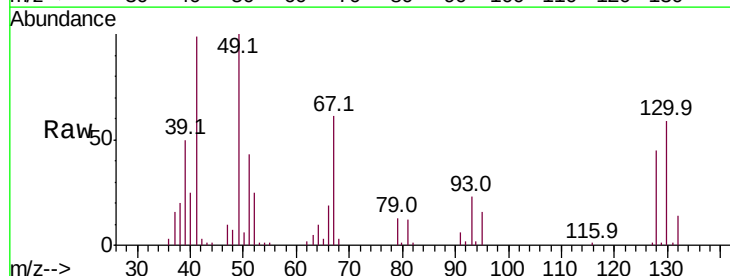
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 54.211 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	58.1	47.8	71.8

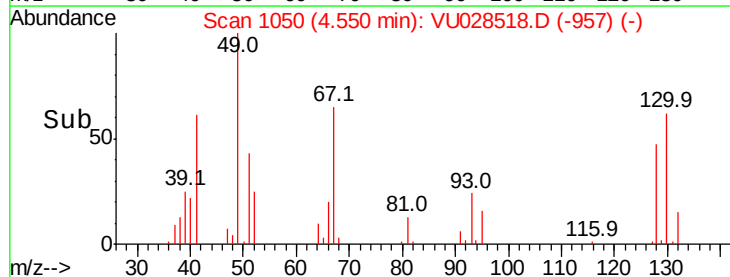
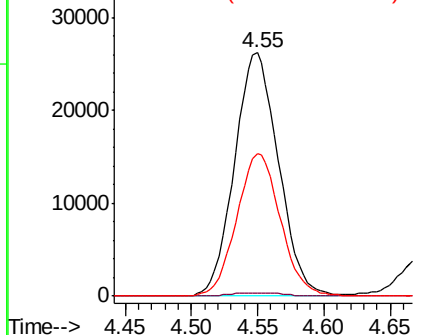


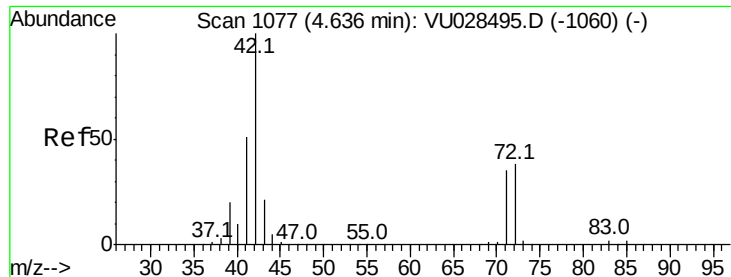
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





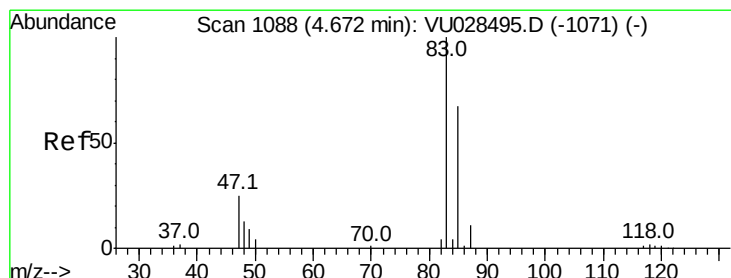
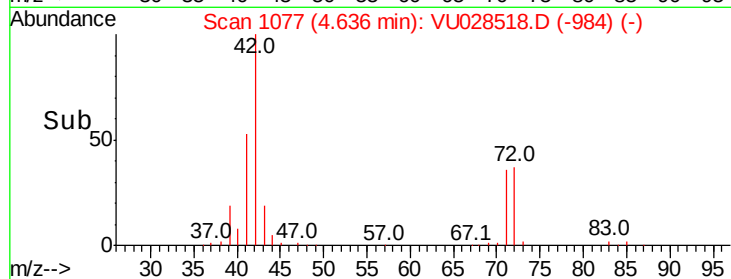
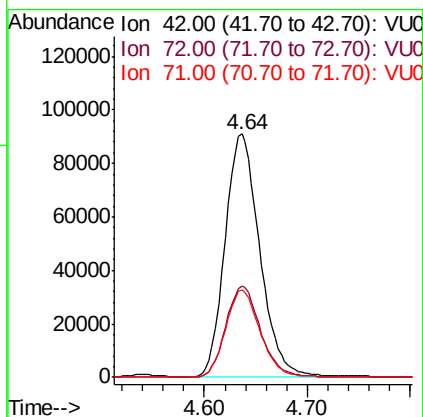
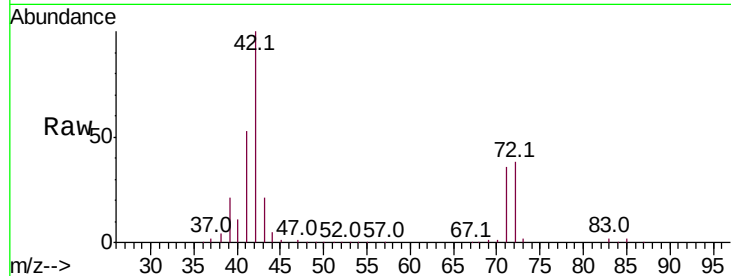
#29
Tetrahydrofuran
Concen: 266.421 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.4	47.0
71	36.1	28.6	43.0

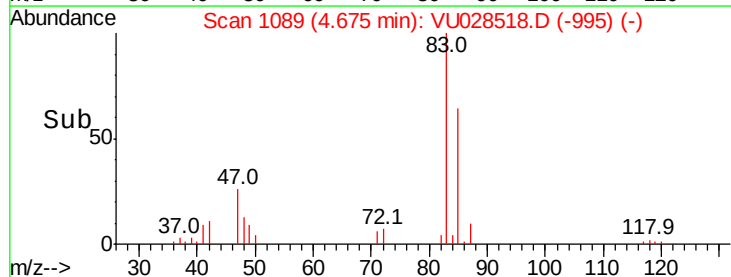
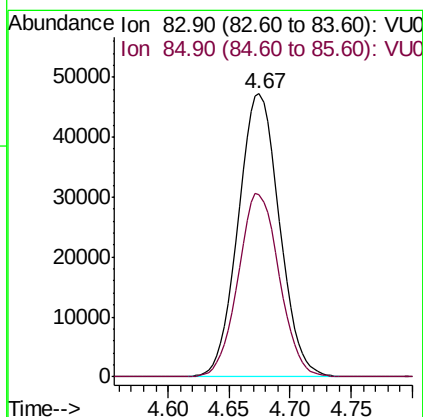
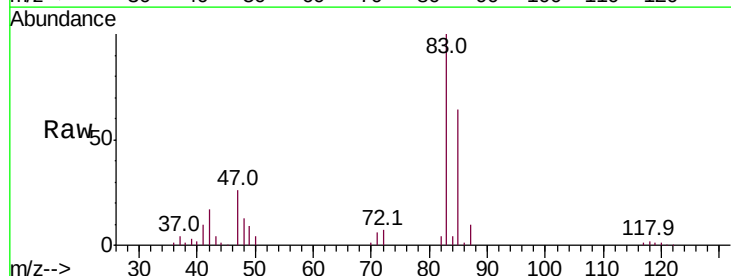
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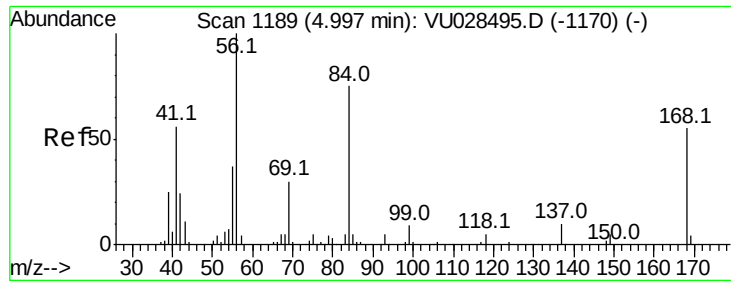
MMDadoda
12/7/2018 10:35:25 AM



#30
Chloroform
Concen: 51.751 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.6	80.4





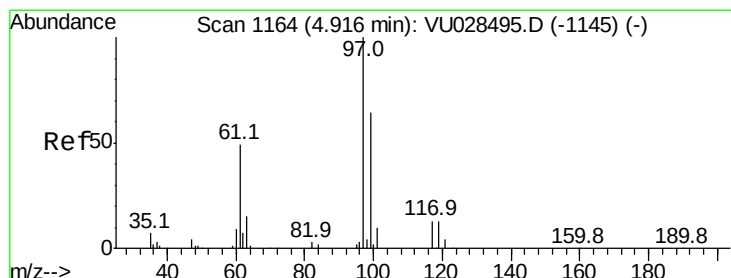
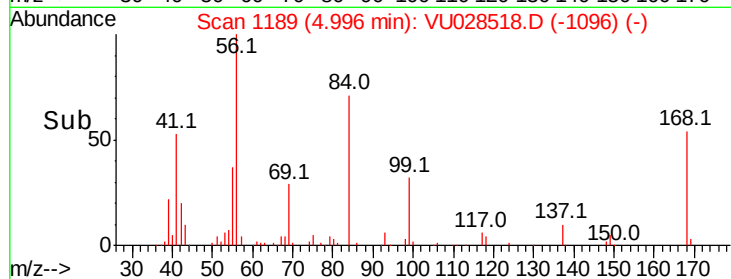
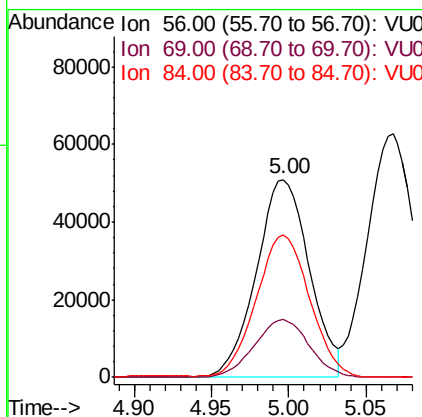
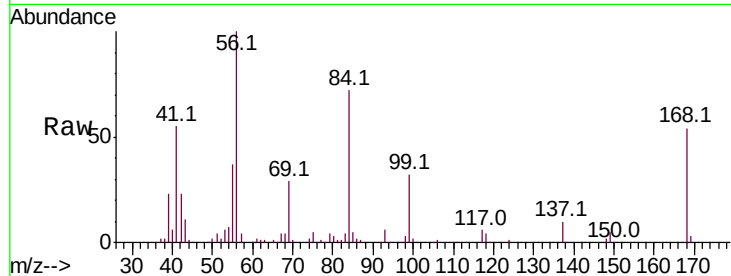
#31
Cyclohexane
Concen: 50.884 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.0	36.0
84	71.7	59.7	89.5

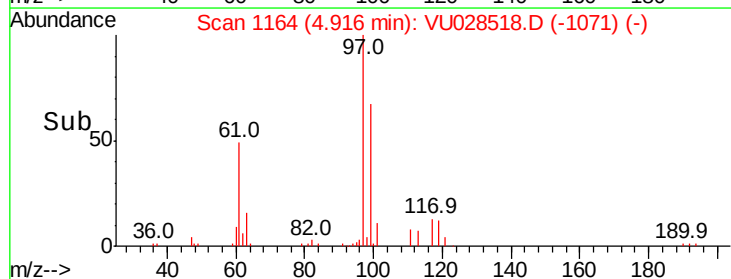
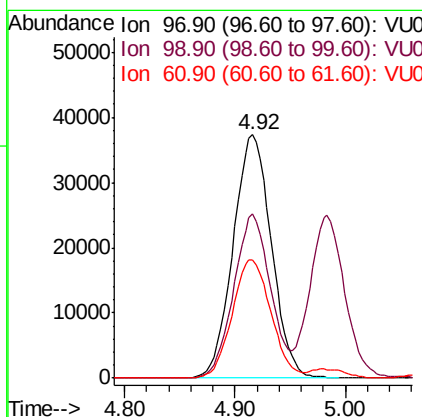
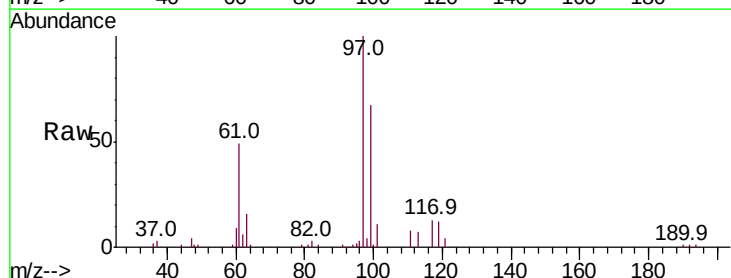
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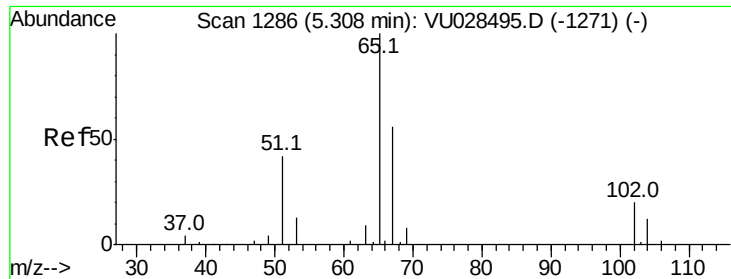
MMDadoda
12/7/2018 10:35:25 AM



#32
1,1,1-Trichloroethane
Concen: 50.481 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	49.2	39.0	58.6





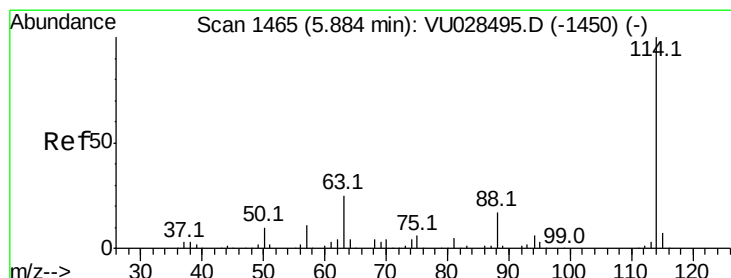
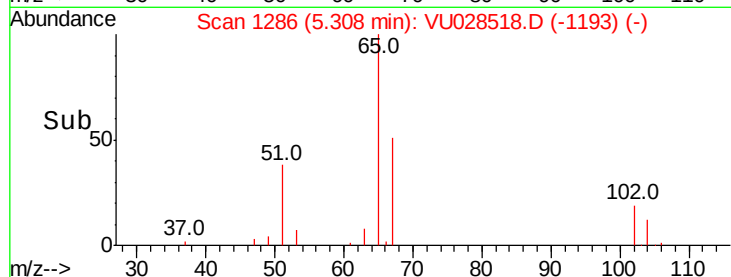
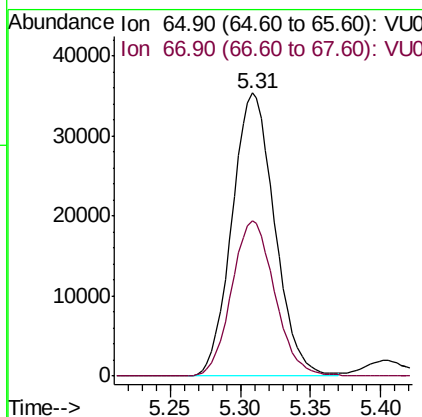
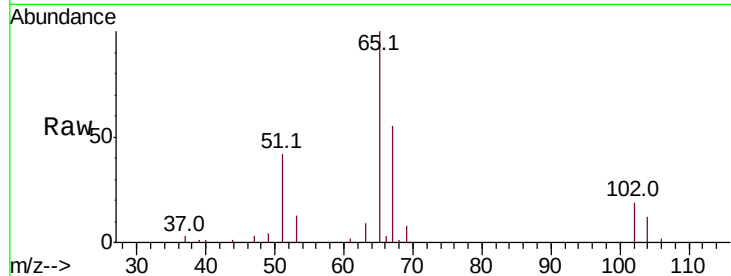
#33
 1,2-Dichloroethane-d4
 Concen: 53.683 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 65 Resp: 74887
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6

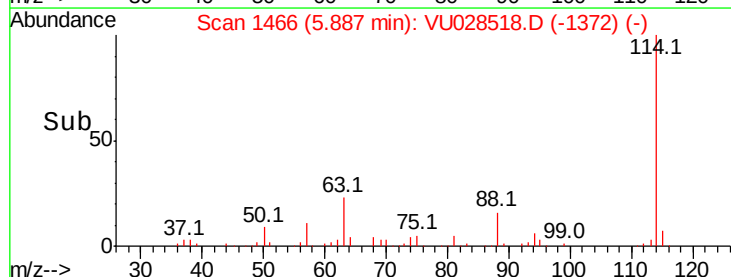
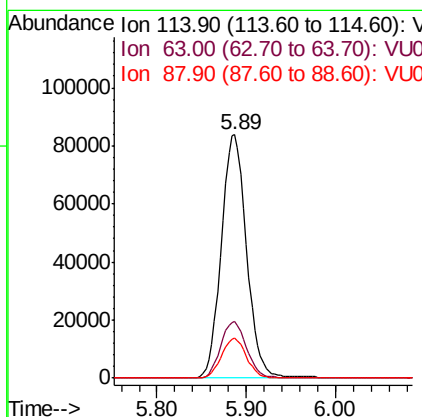
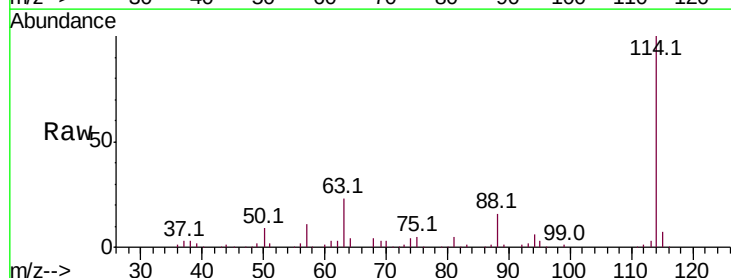
Manual Integrations
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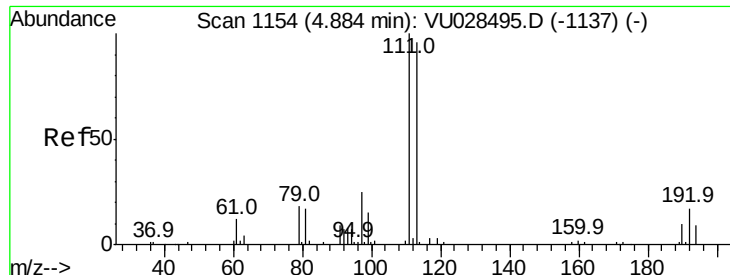
MMDadoda
 12/7/2018 10:35:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 114 Resp: 164603
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 49.2
 88 16.4 0.0 33.4





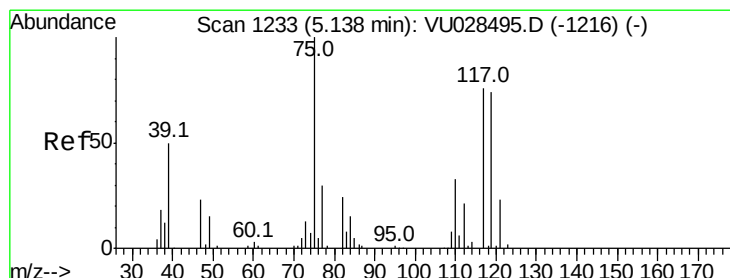
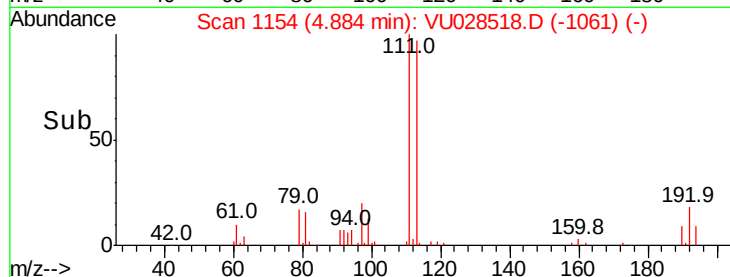
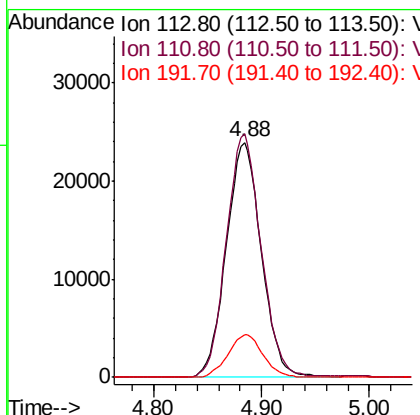
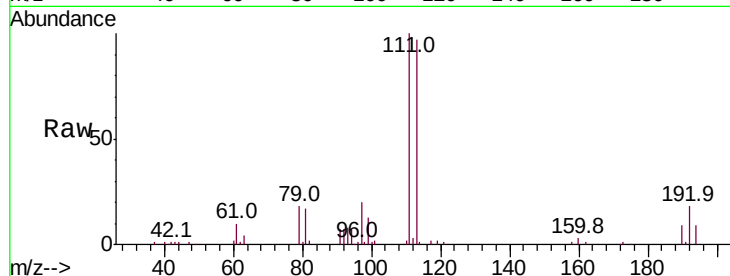
#35
 Dibromofluoromethane
 Concen: 52.288 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.0
192	17.9	14.8	22.2

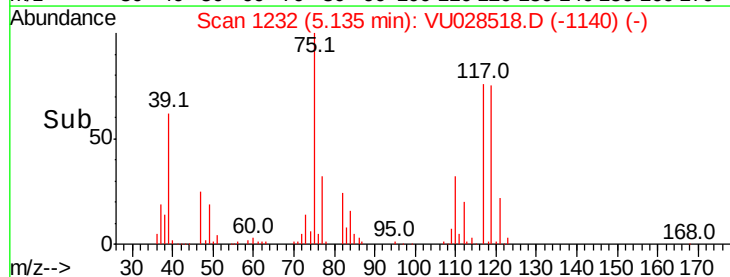
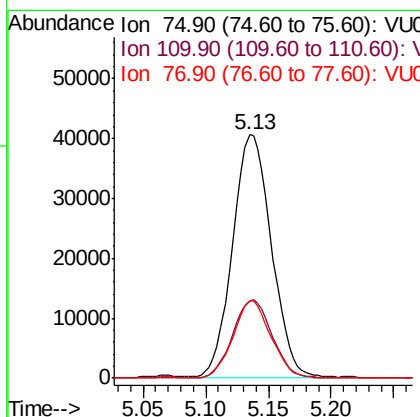
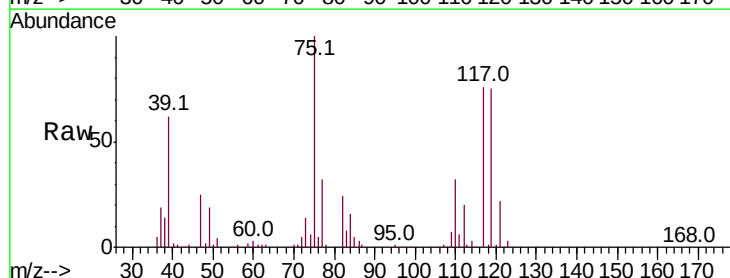
Manual Integrations
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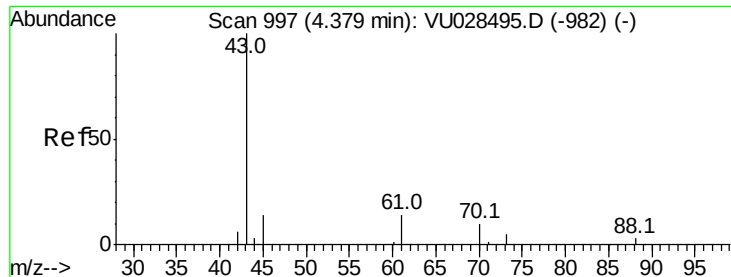
MMDadoda
 12/7/2018 10:35:25 AM



#36
 1,1-Dichloropropene
 Concen: 48.290 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.1	48.2
77	31.3	24.5	36.7





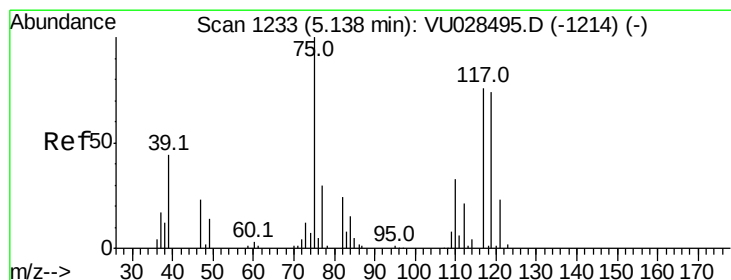
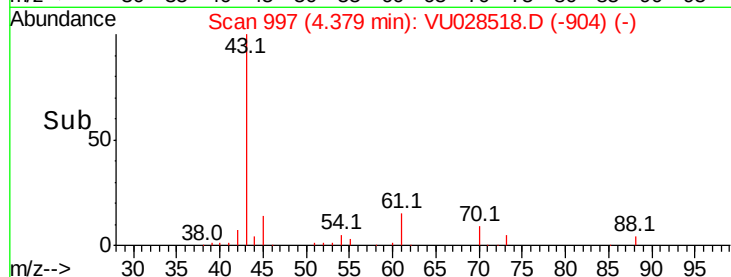
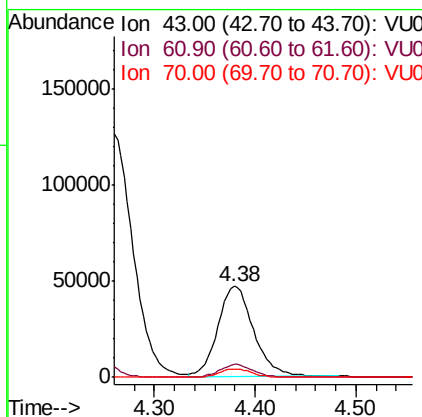
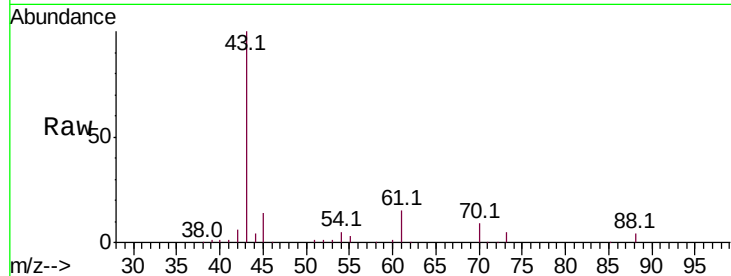
#37
Ethyl Acetate
Concen: 49.618 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	8.8	7.4	11.0

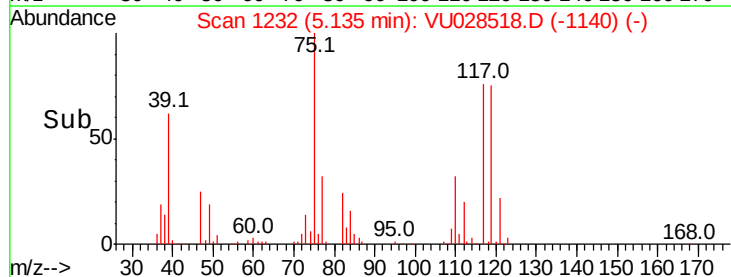
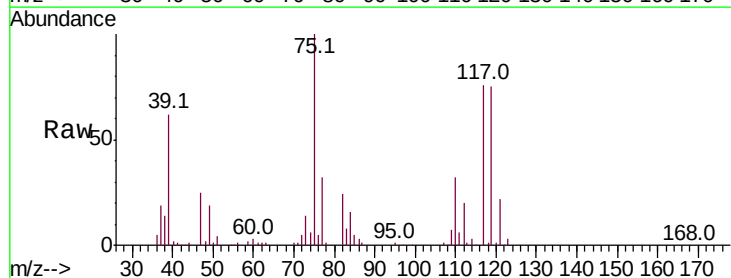
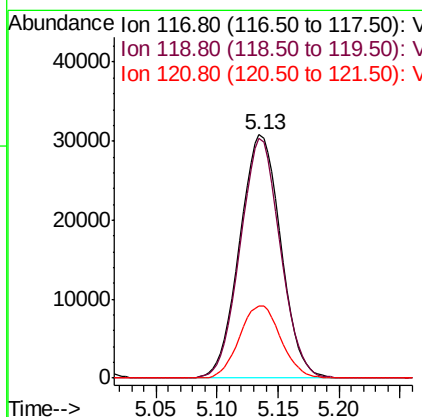
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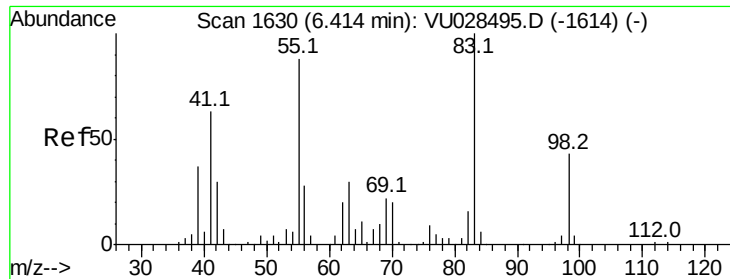
MMDadoda
12/7/2018 10:35:25 AM



#38
Carbon Tetrachloride
Concen: 49.308 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.6	116.4
121	29.6	24.6	36.8





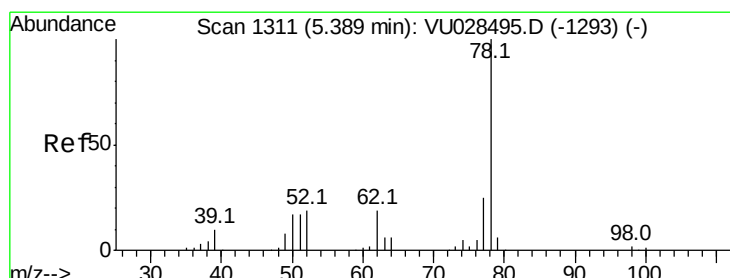
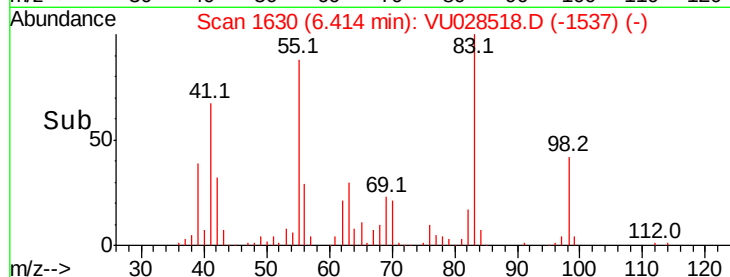
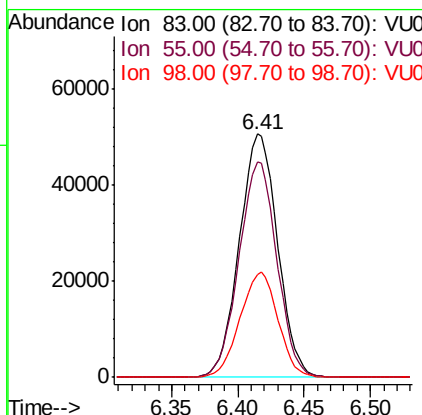
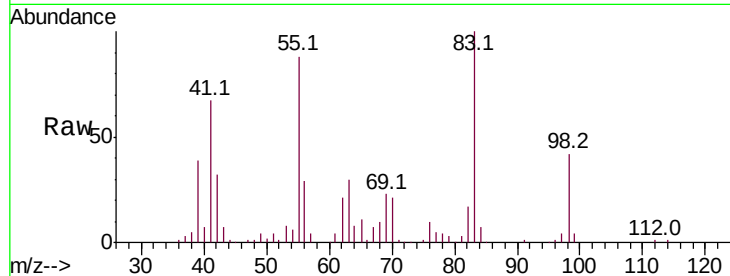
#39
Methylvlcyclohexane
Concen: 46.330 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	70.2	105.2
98	42.2	34.2	51.4

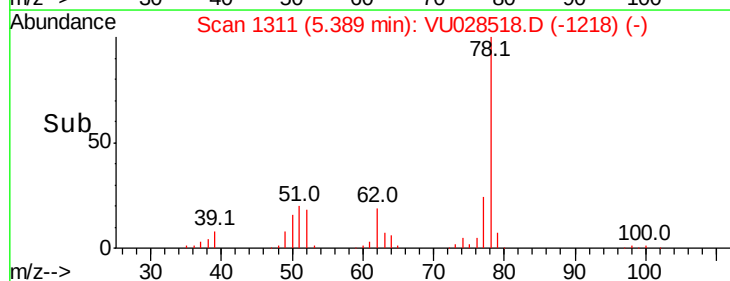
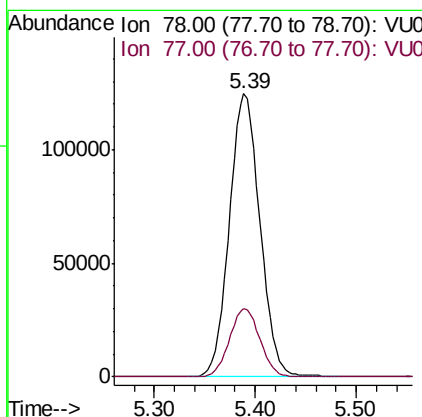
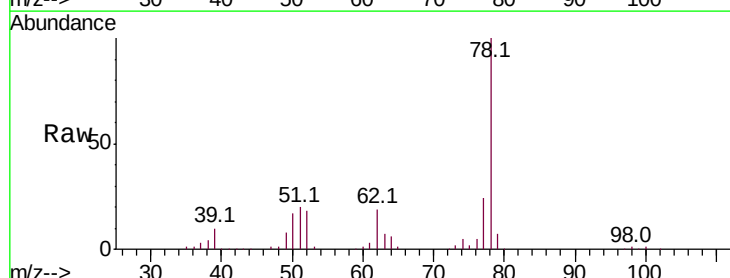
Manual Integrations
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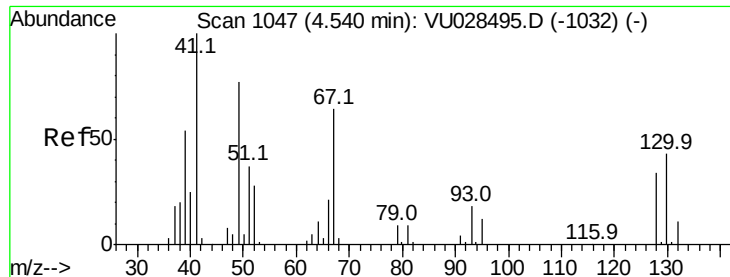
MMDadoda
12/7/2018 10:35:25 AM



#40
Benzene
Concen: 49.615 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





#41

Methacrylonitrile

Concen: 54.665 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

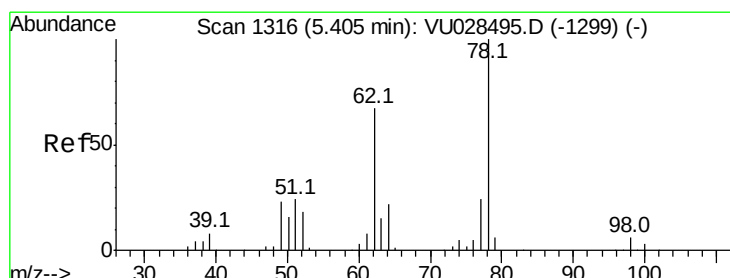
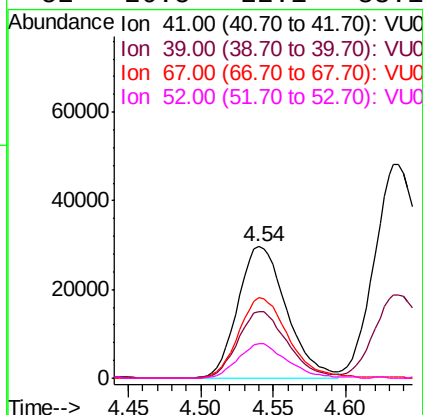
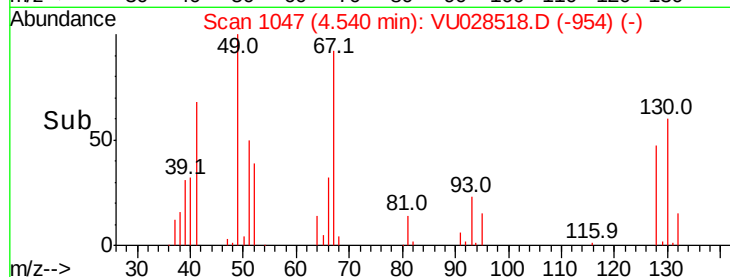
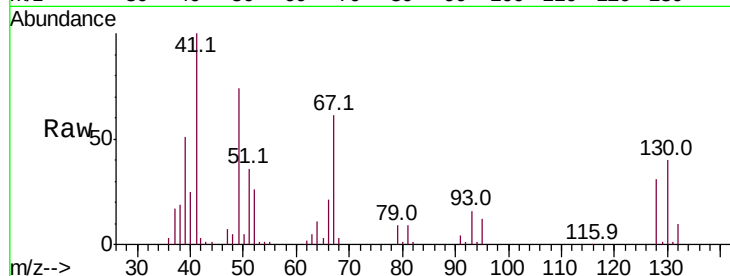
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	43.3	64.9	
67	62.0	53.6	80.4	
52	26.5	22.1	33.1	

Manual Integrations
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MMDadoda
12/7/2018 10:35:25 AM



#42

1,2-Dichloroethane

Concen: 50.209 ug/l

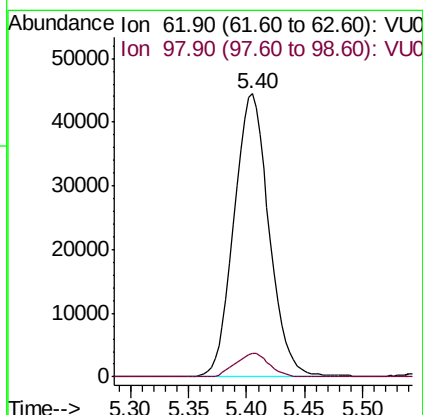
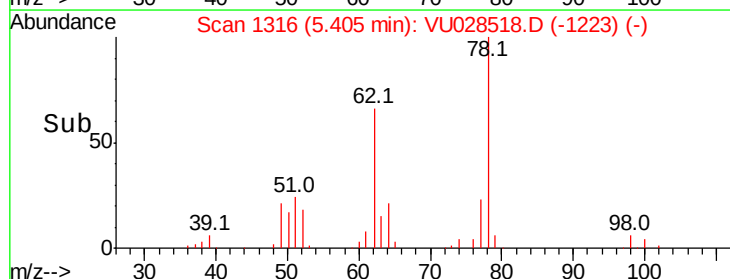
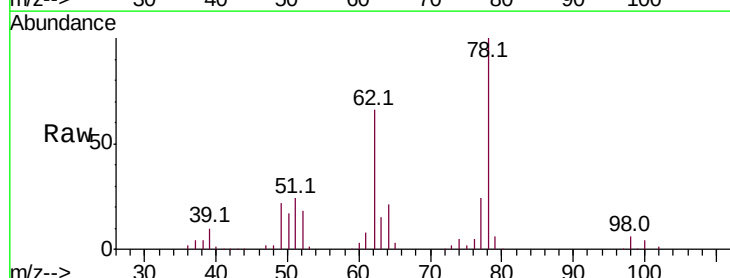
RT: 5.40 min Scan# 1316

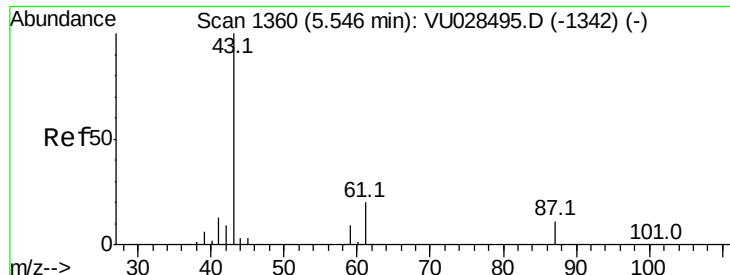
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	17.2	





#43

Isopropyl Acetate

Concen: 50.240 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

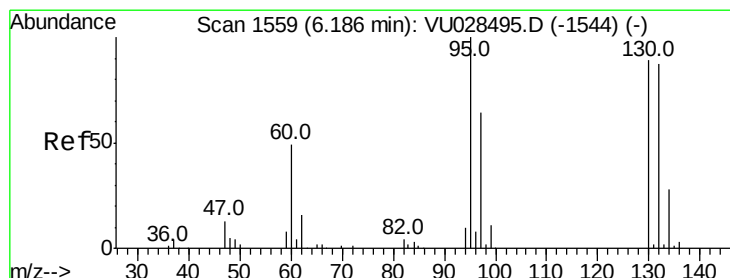
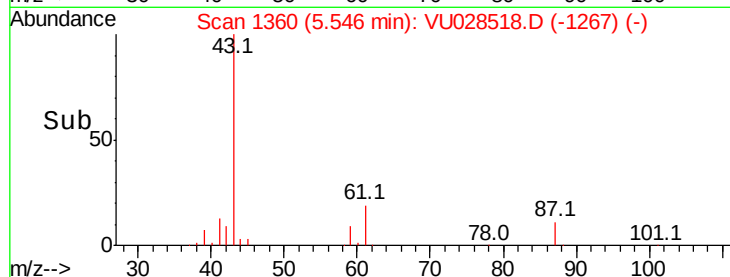
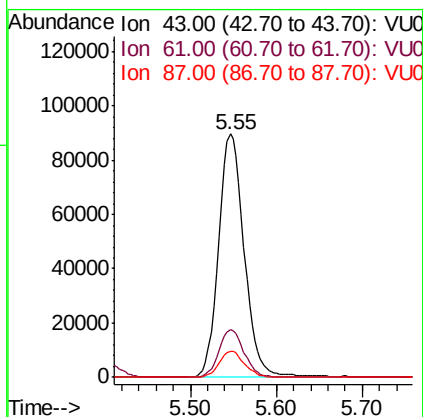
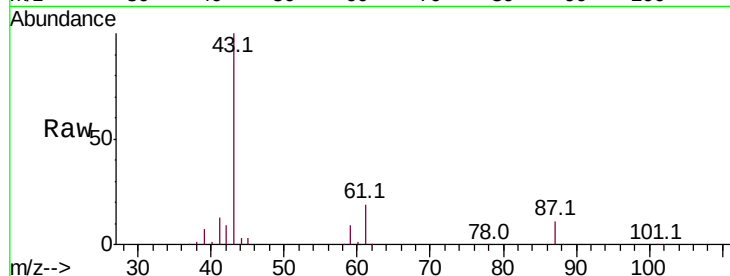
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	43	Resp:	185029
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.5	23.3
87	10.7	8.7	13.1

Manual Integrations
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MMDadoda
12/7/2018 10:35:25 AM



#44

Trichloroethene

Concen: 48.178 ug/l

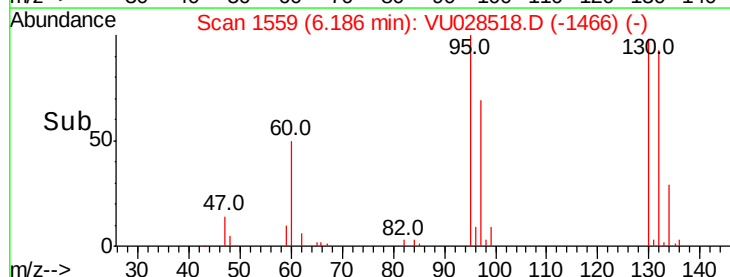
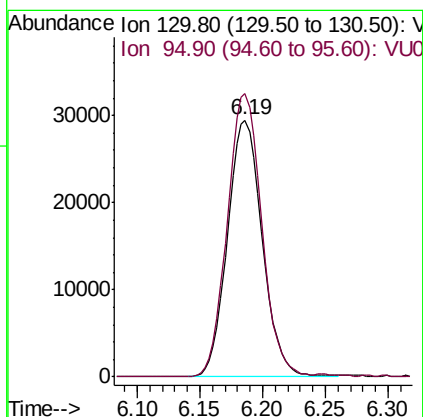
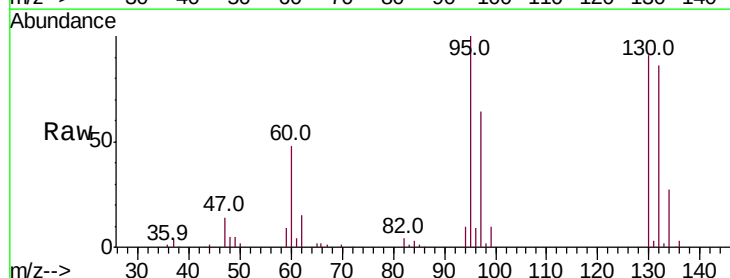
RT: 6.19 min Scan# 1559

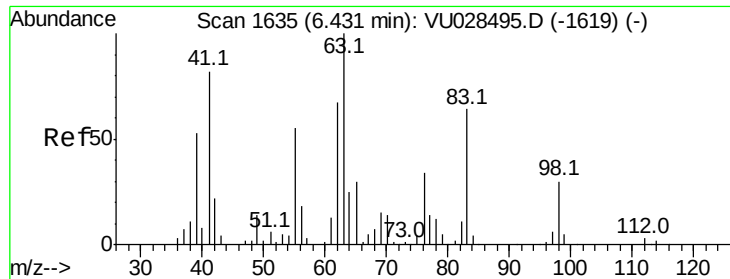
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion:	130	Resp:	56829
Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	224.0





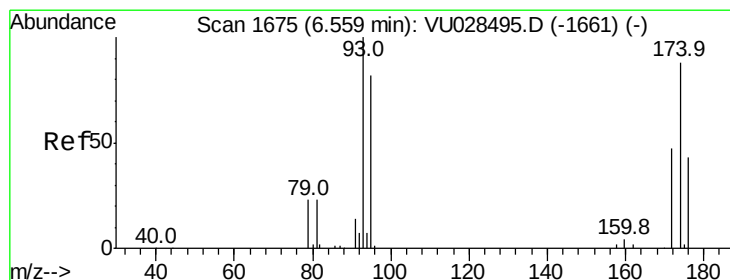
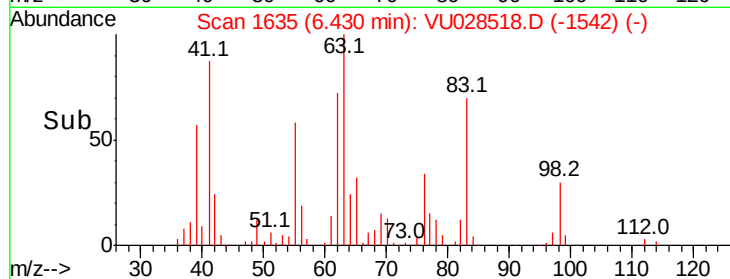
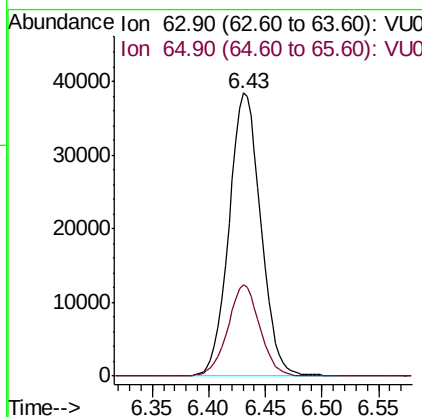
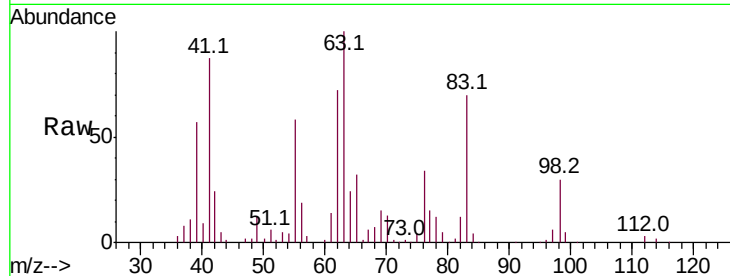
#45
 1,2-Dichloropropane
 Concen: 50.385 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 63 Resp: 75165
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.2 36.4

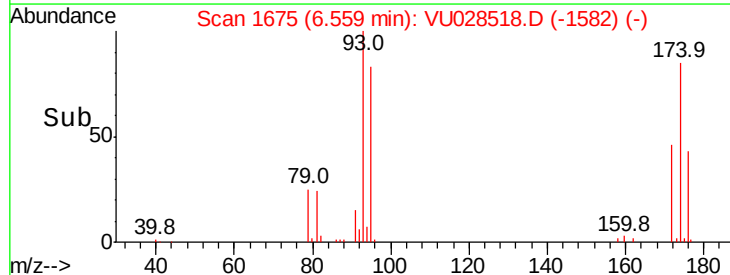
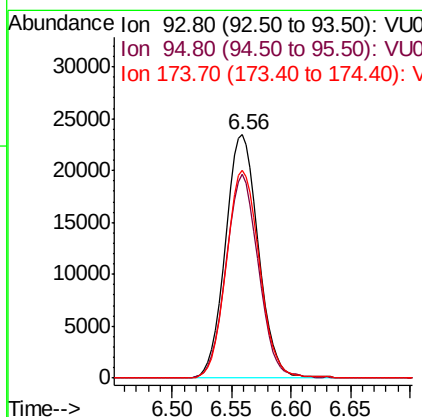
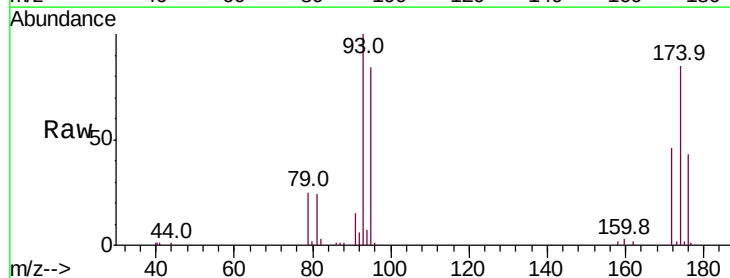
Manual Integrations
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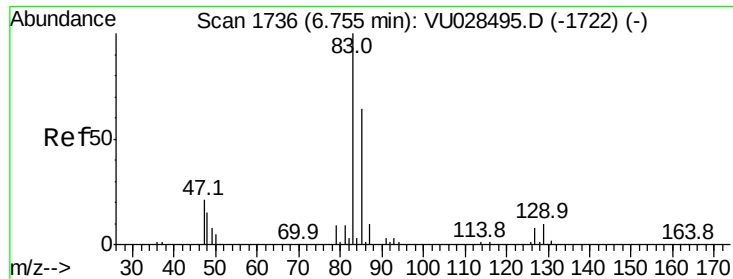
MMDadoda
 12/7/2018 10:35:25 AM



#46
 Dibromomethane
 Concen: 50.993 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 93 Resp: 45136
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.4 98.2
 174 85.7 72.2 108.4





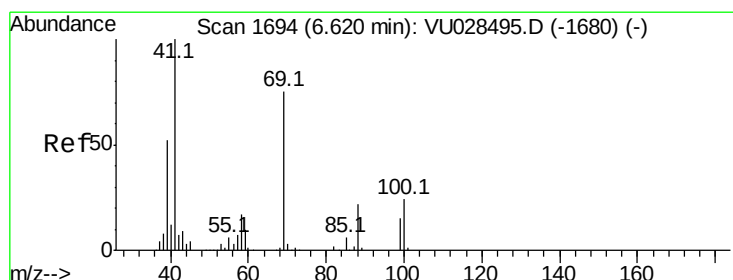
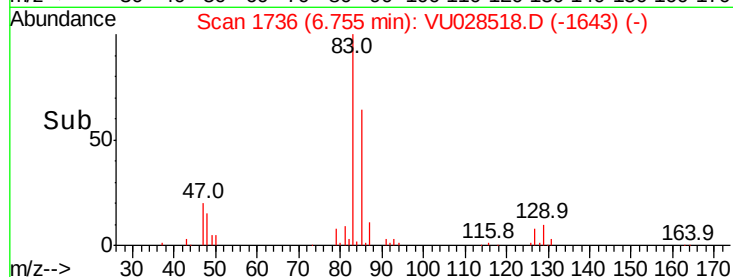
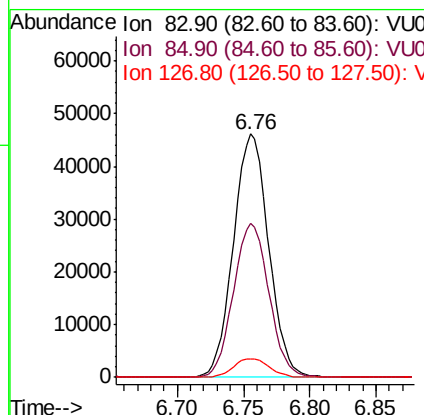
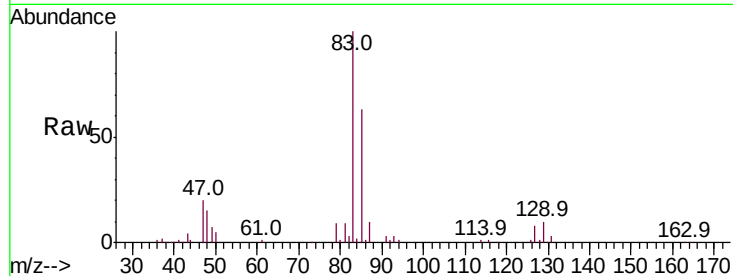
#47
Bromodichloromethane
Concen: 49.558 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	83	Resp	85360
Ion Ratio	100		
Lower	51.5		
Upper	77.3		
85	63.2		
127	7.7		

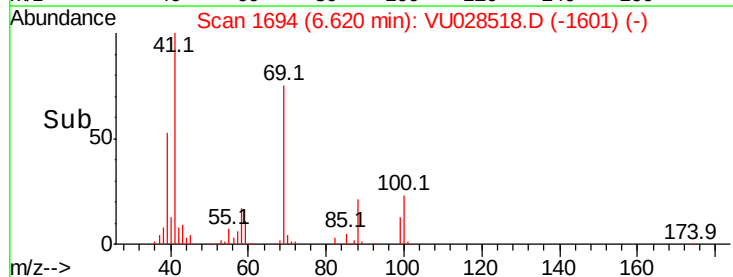
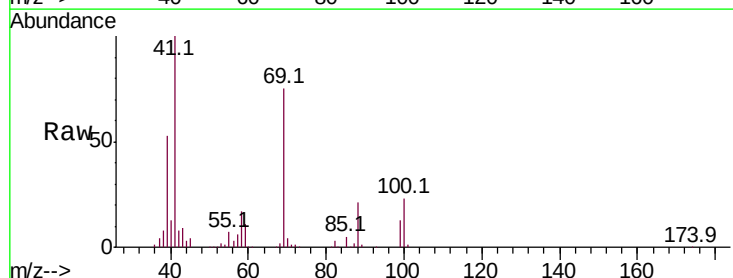
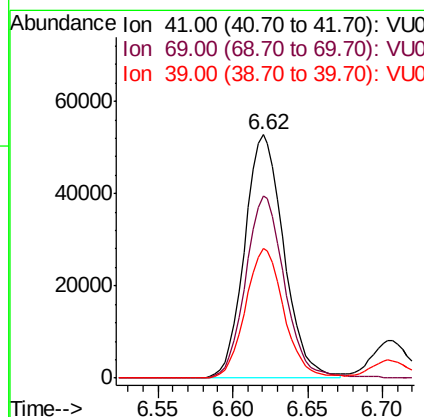
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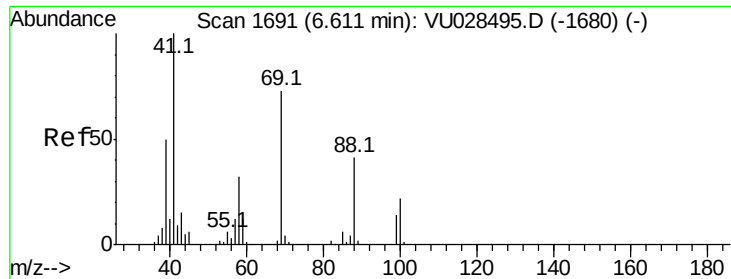
MMDadoda
12/7/2018 10:35:25 AM



#48
Methyl methacrylate
Concen: 52.469 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	41	Resp	96098
Ion Ratio	100		
Lower	60.4		
Upper	90.6		
69	74.7		
39	52.5		





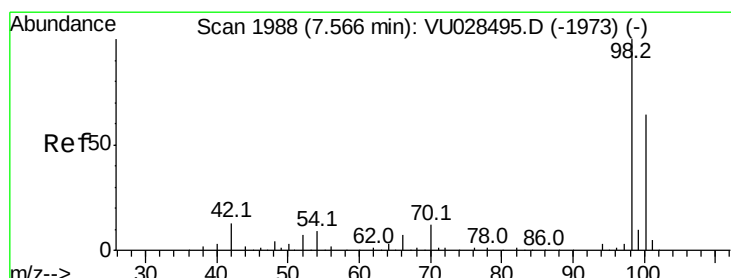
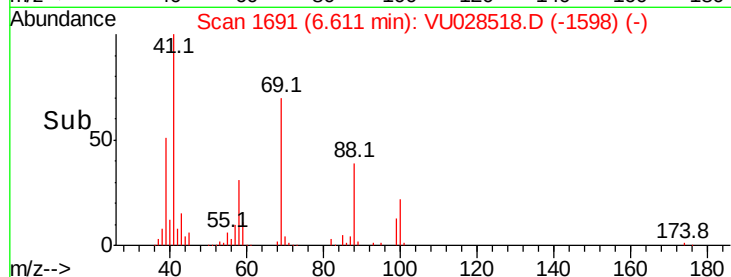
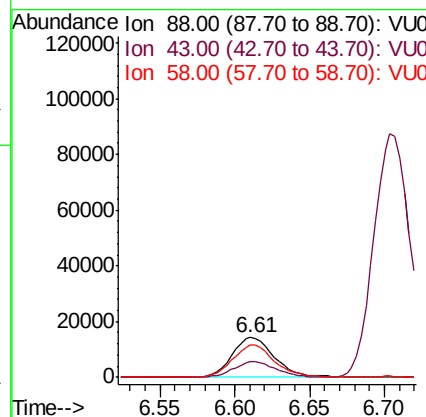
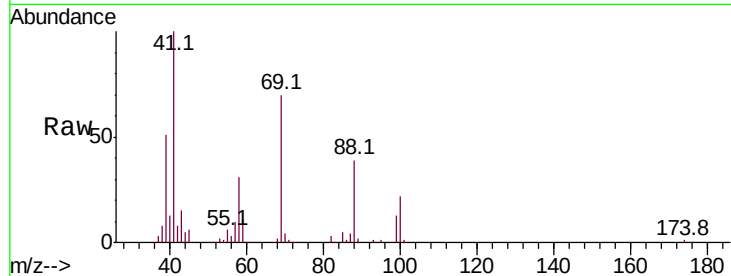
#49
1,4-Dioxane
Concen: 973.368 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	30.9	46.3
58	80.7	62.4	93.6

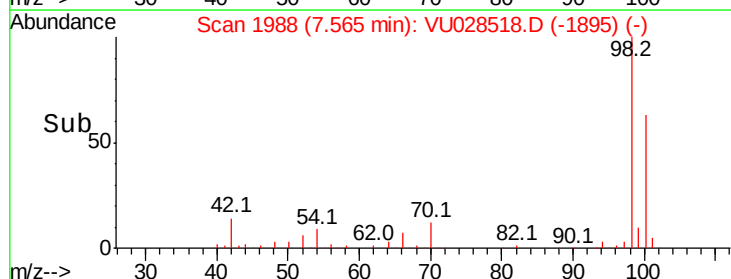
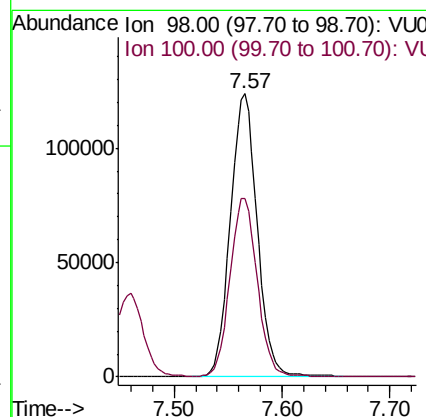
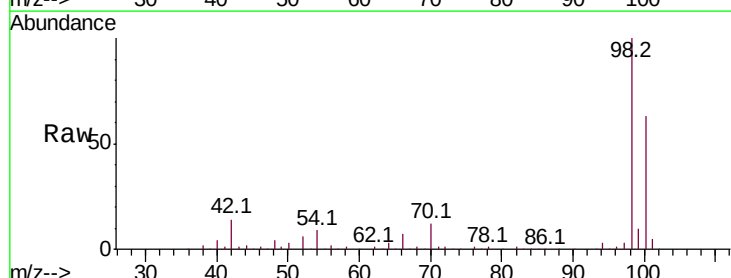
Manual Integrations
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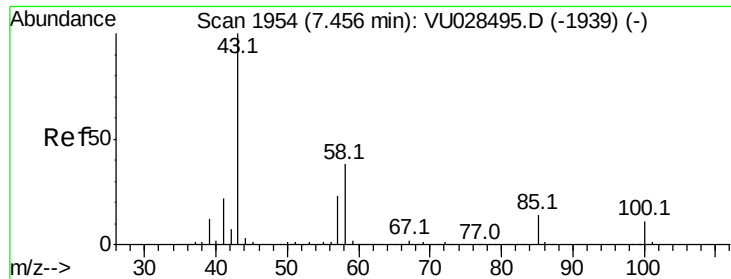
MMDadoda
12/7/2018 10:35:25 AM



#50
Toluene-d8
Concen: 52.579 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 256.033 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 43 Resp: 594729

Ion Ratio Lower Upper

43 100

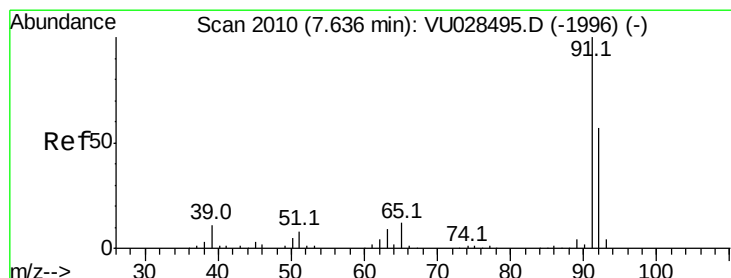
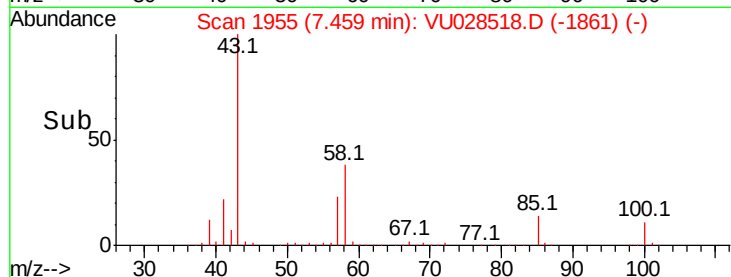
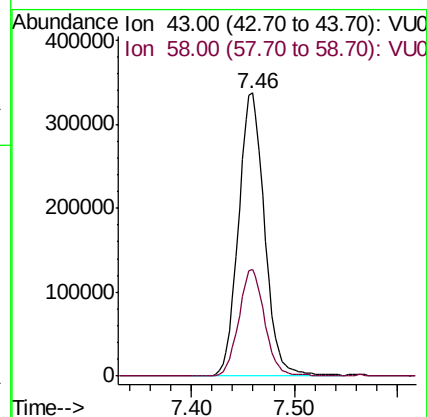
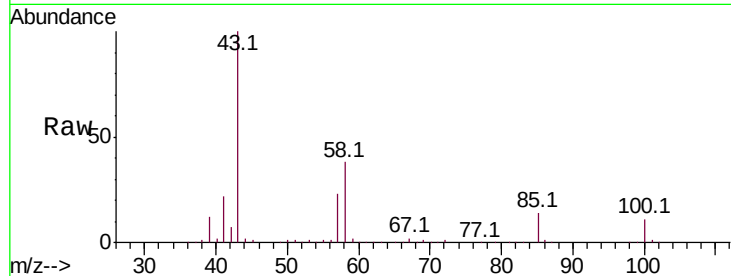
58 37.3 30.2 45.2

Manual Integrations

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MMDadoda

12/7/2018 10:35:25 AM



#52

Toluene

Concen: 49.034 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028518.D

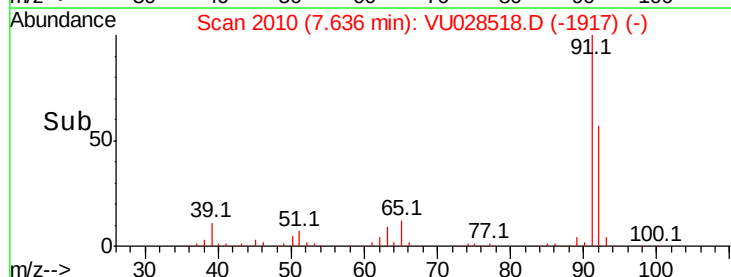
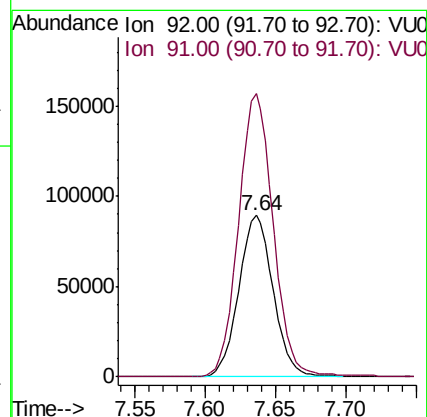
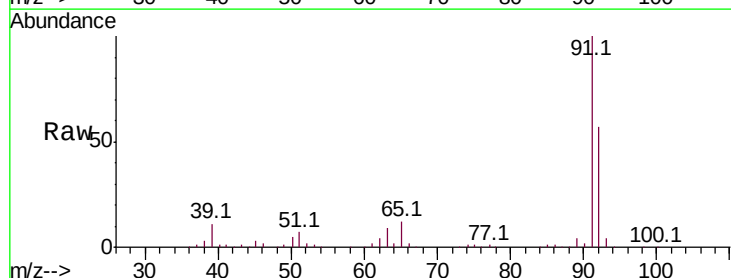
Acq: 06 Dec 2018 22:00

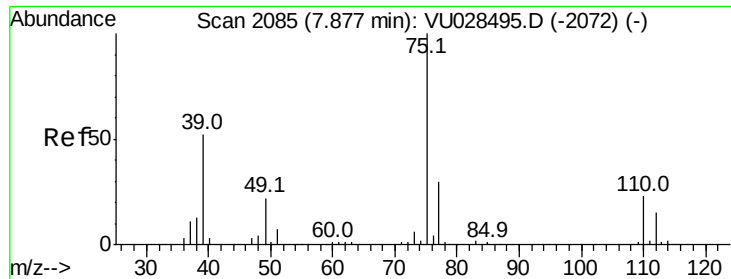
Tgt Ion: 92 Resp: 153089

Ion Ratio Lower Upper

92 100

91 177.7 140.2 210.4





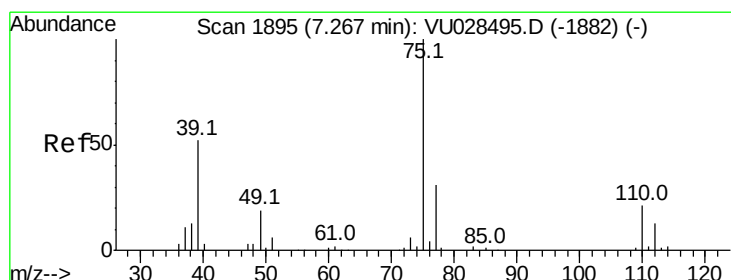
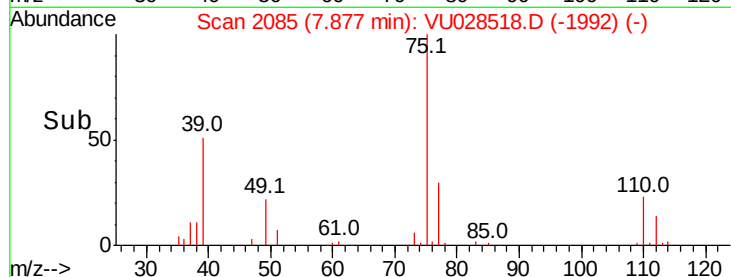
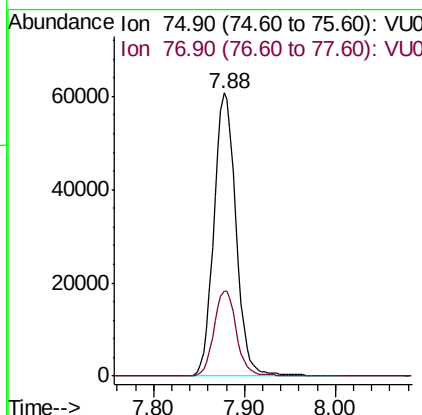
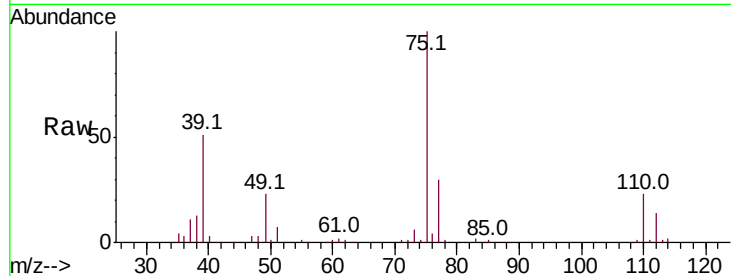
#53
t-1,3-Dichloropropene
Concen: 49.931 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 75 Resp: 102427
Ion Ratio Lower Upper
75 100
77 30.2 24.2 36.4

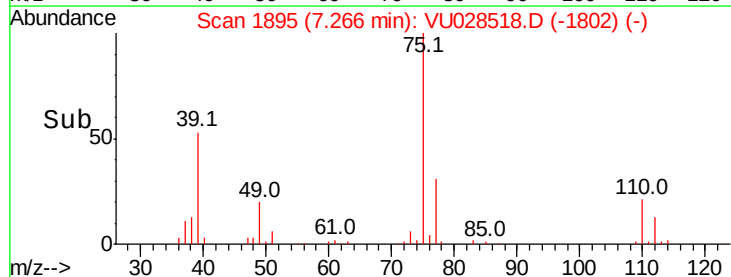
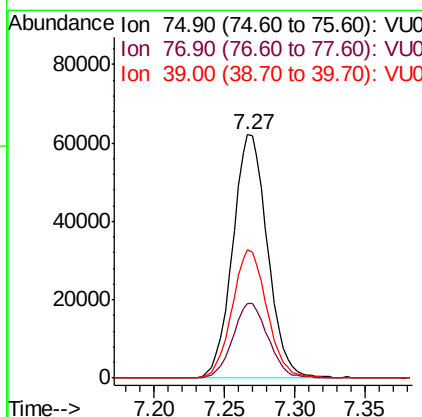
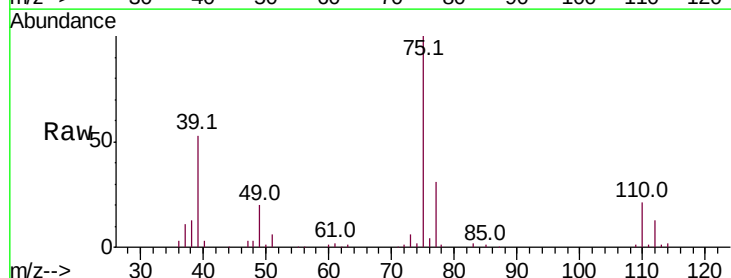
Manual Integrations
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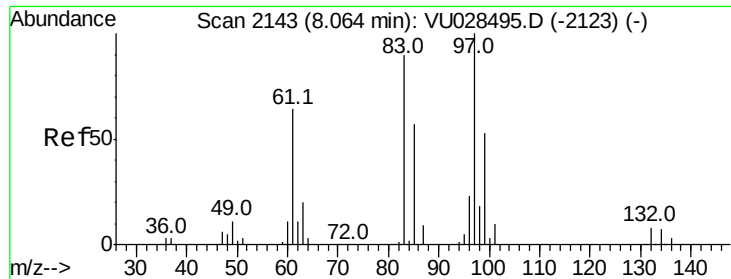
MMDadoda
12/7/2018 10:35:25 AM



#54
cis-1,3-Dichloropropene
Concen: 48.343 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion: 75 Resp: 107592
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4
39 52.6 41.3 61.9





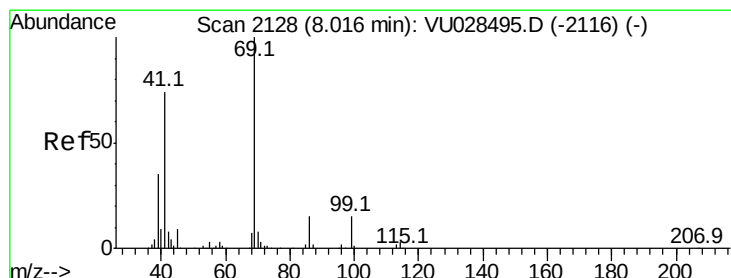
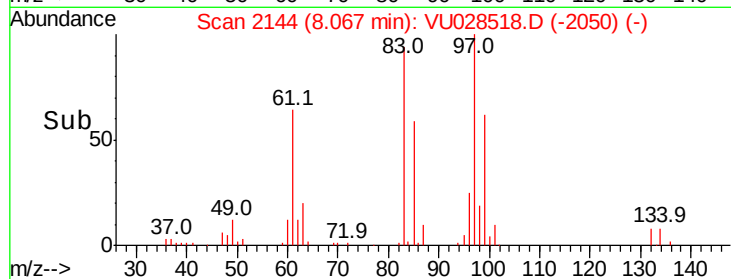
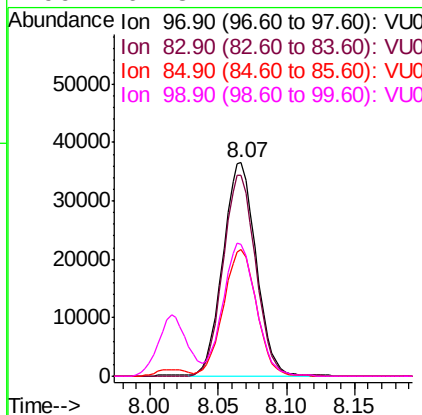
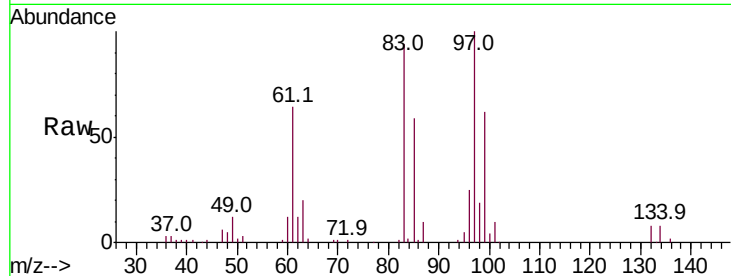
#55
 1,1,2-Trichloroethane
 Concen: 50.199 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	97	Resp:	61953
Ion	Ratio	Lower	Upper
97	100		
83	94.1	72.4	108.6
85	59.2	46.0	69.0
99	61.8	47.4	71.2

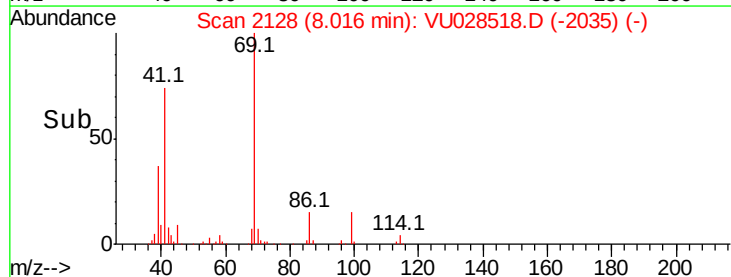
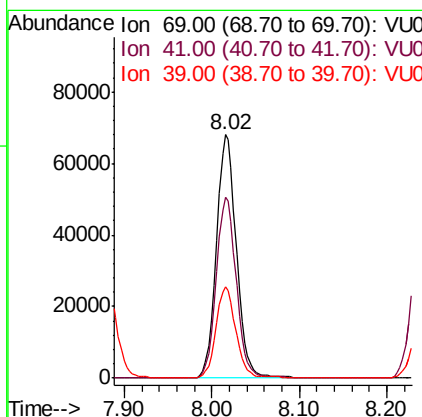
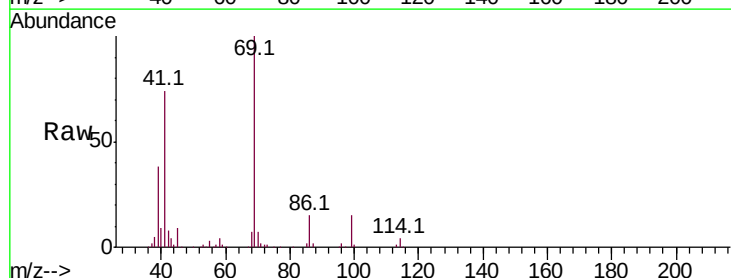
Manual Integrations
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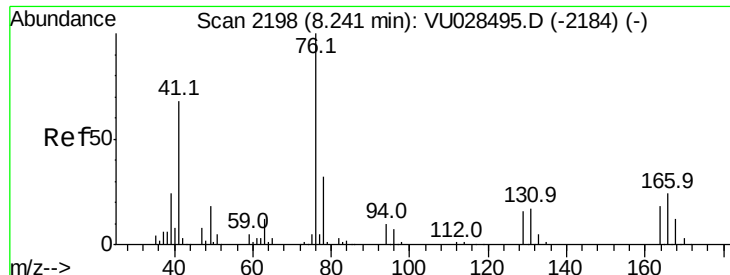
MMDadoda
 12/7/2018 10:35:25 AM



#56
 Ethyl methacrylate
 Concen: 51.039 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion:	69	Resp:	107867
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.1	88.7
39	37.7	28.4	42.6





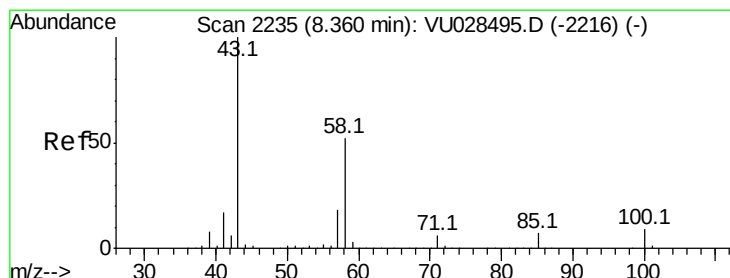
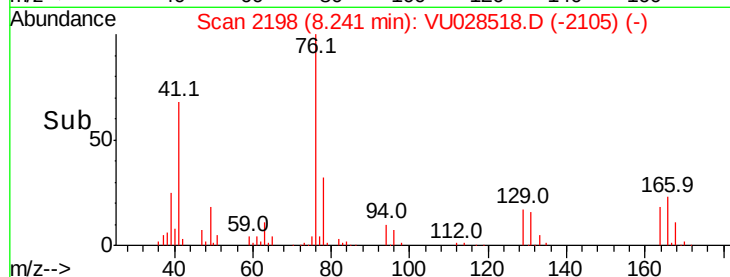
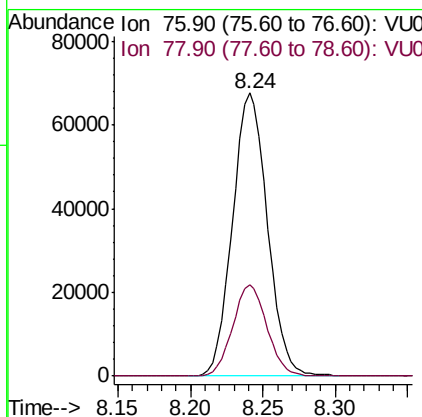
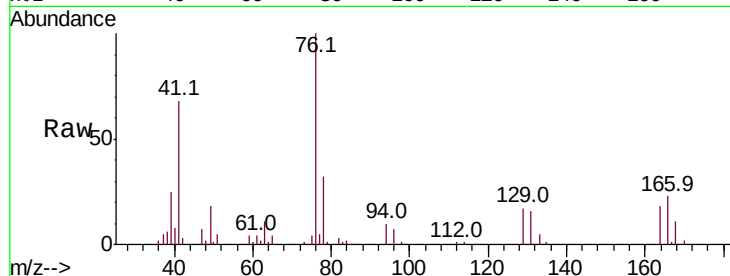
#57
 1,3-Dichloropropane
 Concen: 49.314 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 76 Resp: 112976
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8

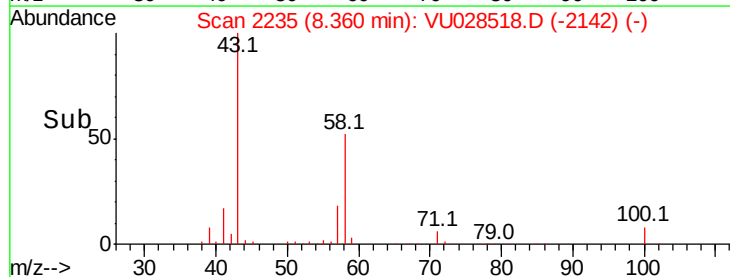
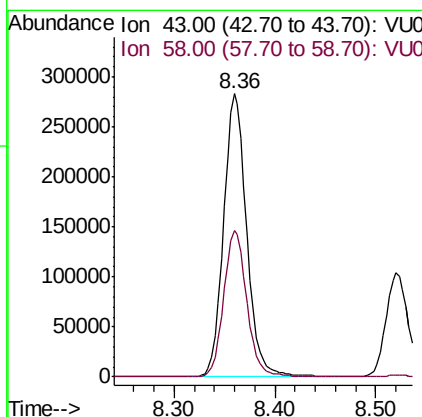
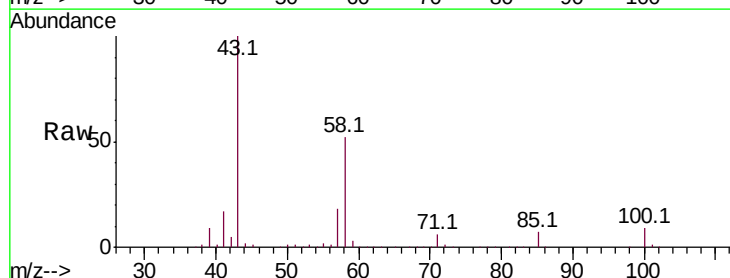
Manual Integrations
 APPROVED

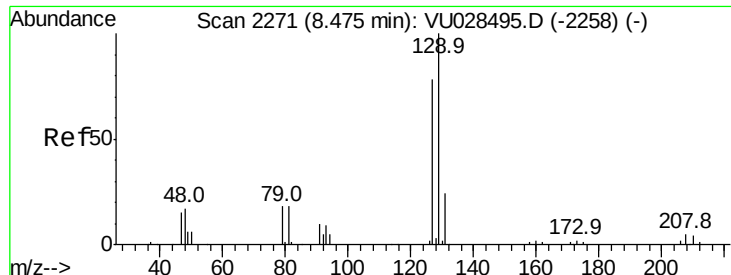
MMDadoda
 12/7/2018 10:35:25 AM



#59
 2-Hexanone
 Concen: 246.640 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 43 Resp: 454092
 Ion Ratio Lower Upper
 43 100
 58 51.9 25.9 77.6





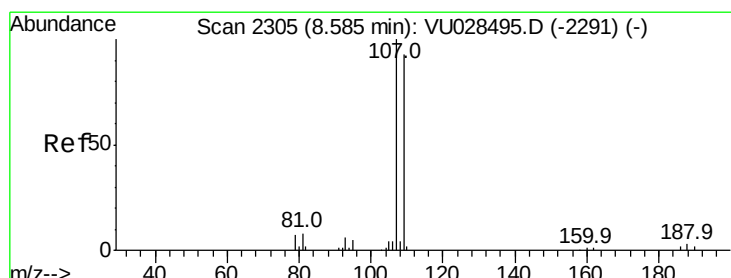
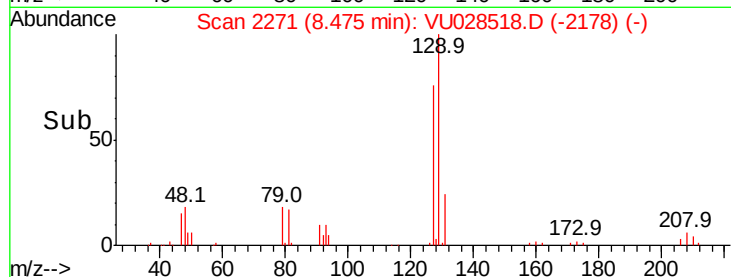
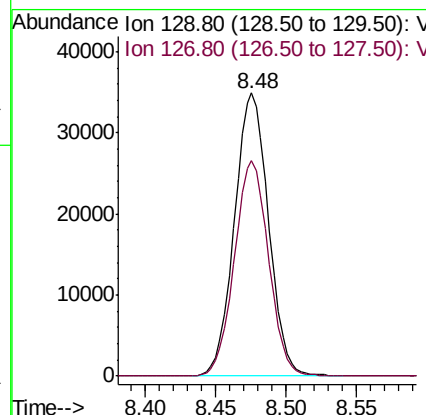
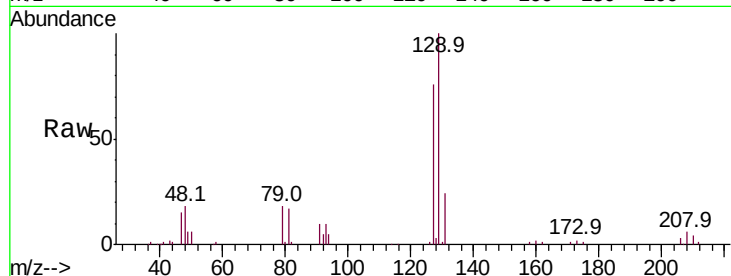
#60
Dibromochloromethane
Concen: 48.941 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:129 Resp: 59136
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.3

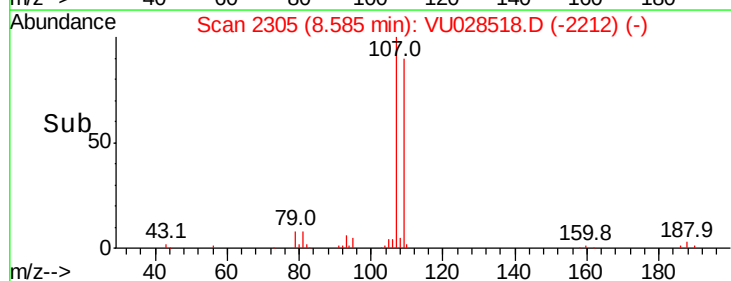
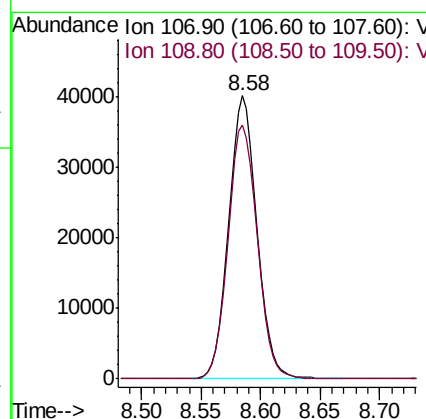
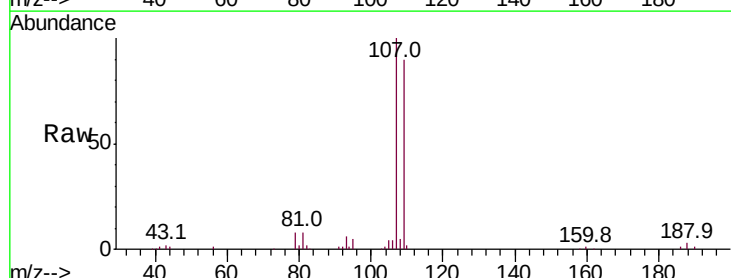
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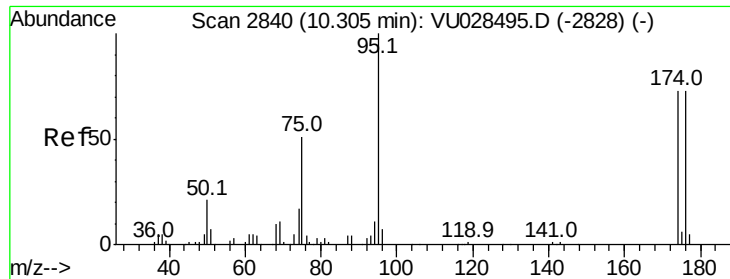
MMDadoda
12/7/2018 10:35:25 AM



#61
1,2-Dibromoethane
Concen: 51.031 ug/l
RT: 8.58 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:107 Resp: 66044
Ion Ratio Lower Upper
107 100
109 92.8 74.5 111.7





#62

4-Bromofluorobenzene

Concen: 52.386 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 95 Resp: 80233

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

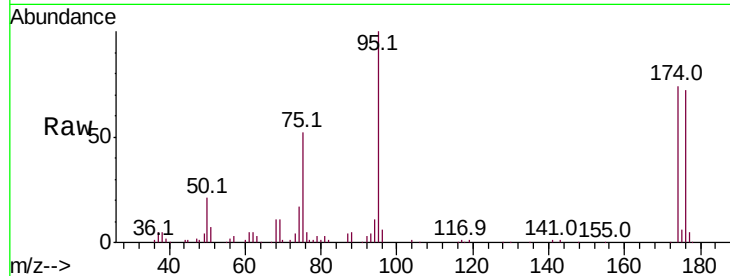
176 72.2 0.0 145.2

Manual Integrations

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MMDadoda

12/7/2018 10:35:25 AM

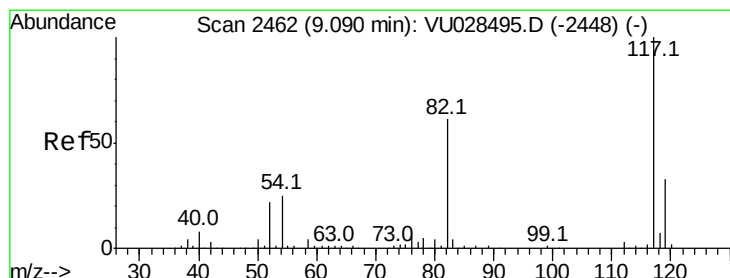
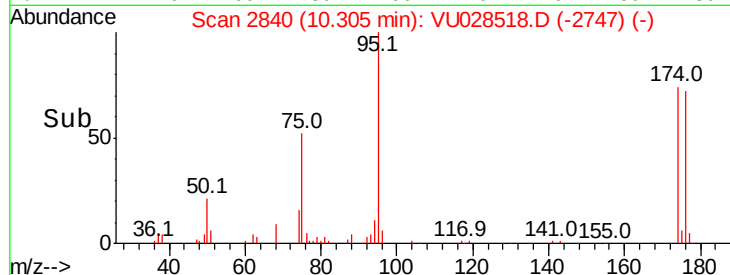


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

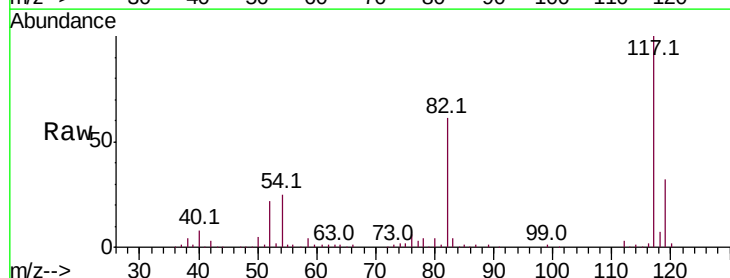
Tgt Ion: 117 Resp: 154910

Ion Ratio Lower Upper

117 100

82 60.7 48.9 73.3

119 32.0 26.2 39.4

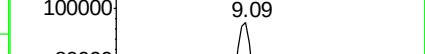
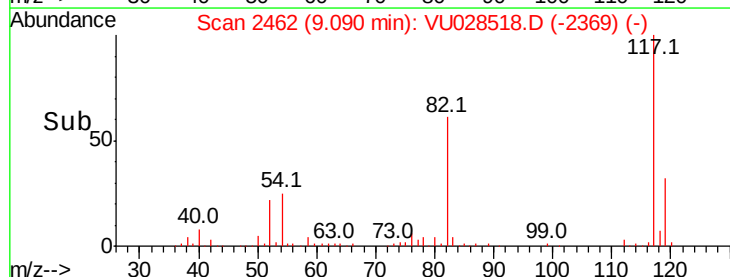


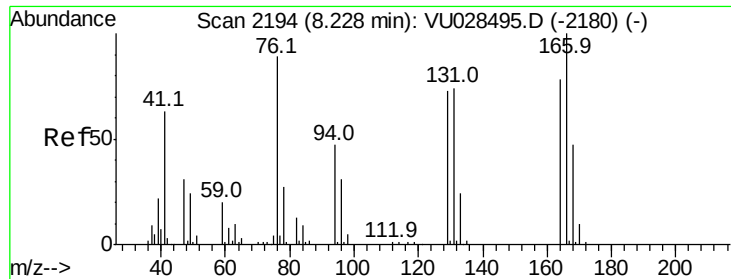
Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

Time-->





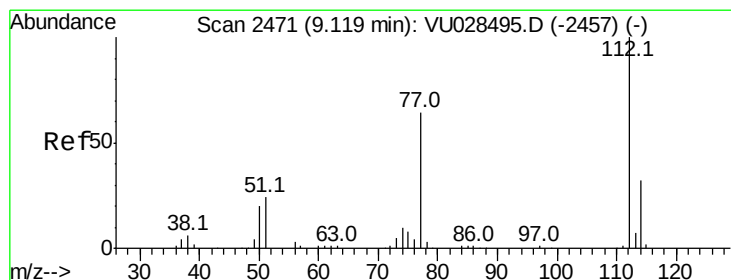
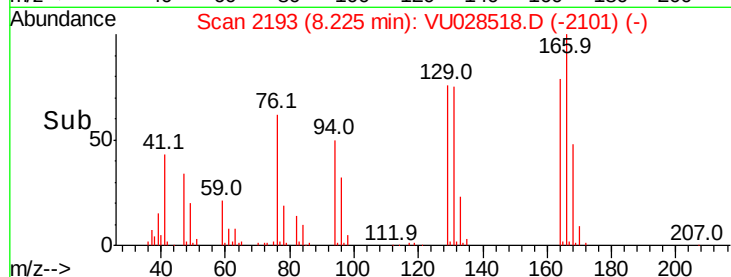
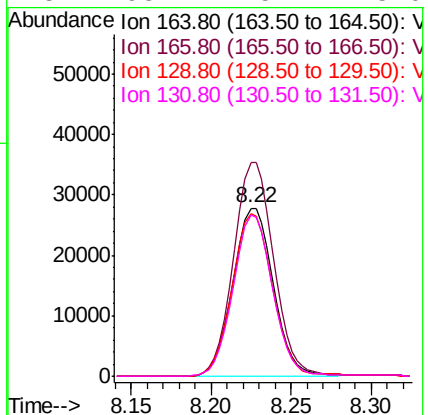
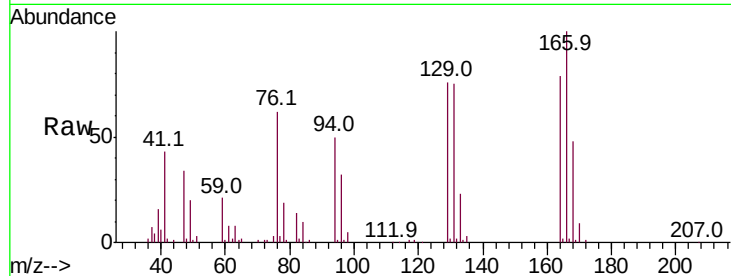
#64
Tetrachloroethene
Concen: 46.328 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:164 Resp: 47870
Ion Ratio Lower Upper
164 100
166 126.8 101.9 152.9
129 96.7 74.9 112.3
131 95.7 75.4 113.0

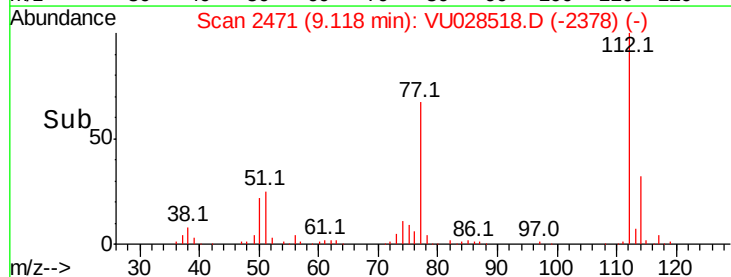
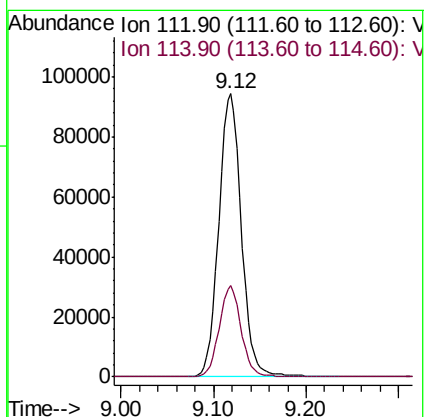
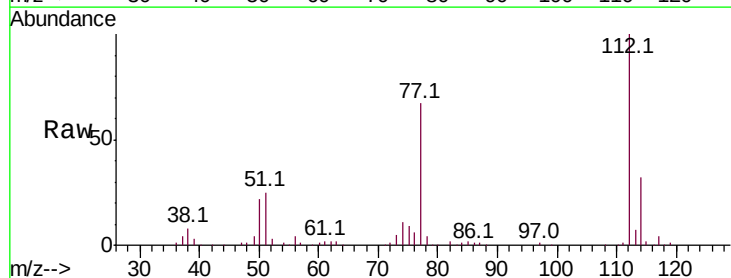
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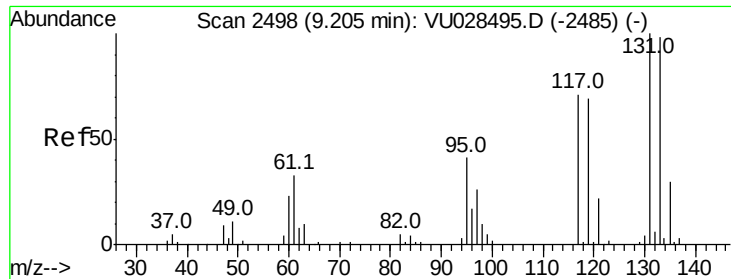
MMDadoda
12/7/2018 10:35:25 AM



#65
Chlorobenzene
Concen: 48.304 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:112 Resp: 159450
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 50.782 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

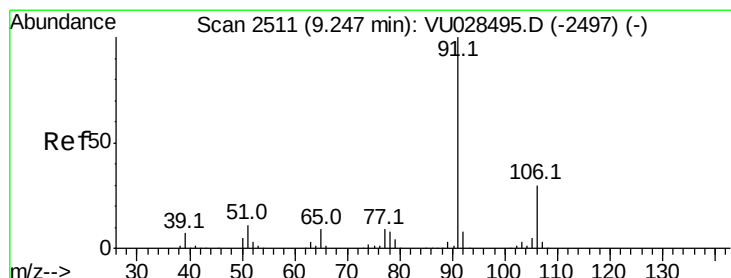
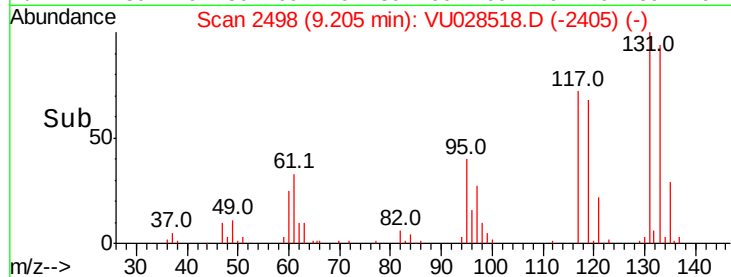
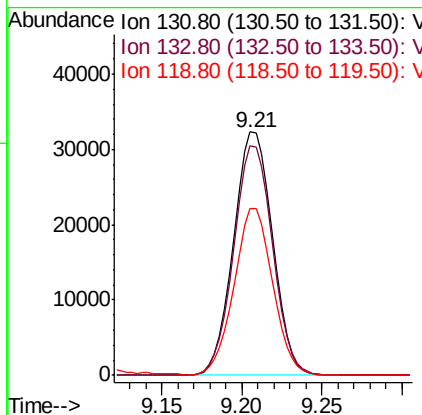
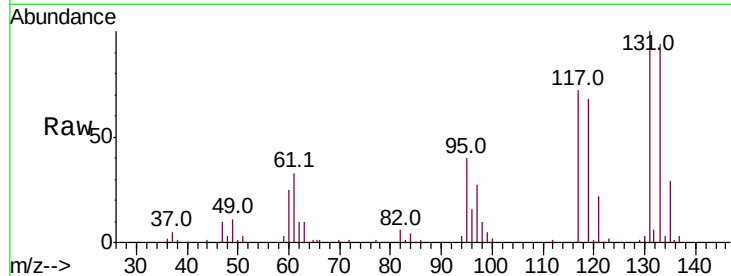
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	131	Resp:	53530
Ion Ratio	Lower	Upper	
131	100		
133	94.4	48.0	144.0
119	68.2	34.6	103.9

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12/7/2018 10:35:25 AM



#67

Ethyl Benzene

Concen: 48.846 ug/l

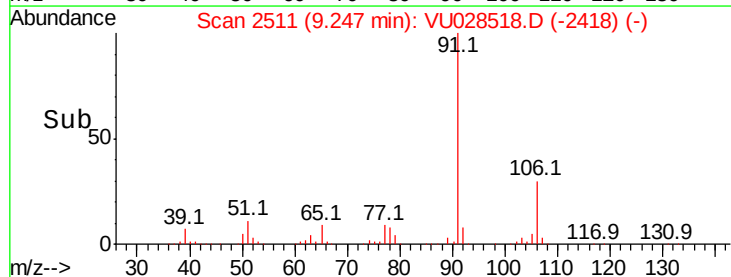
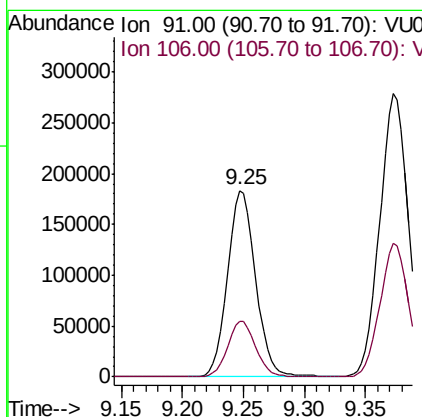
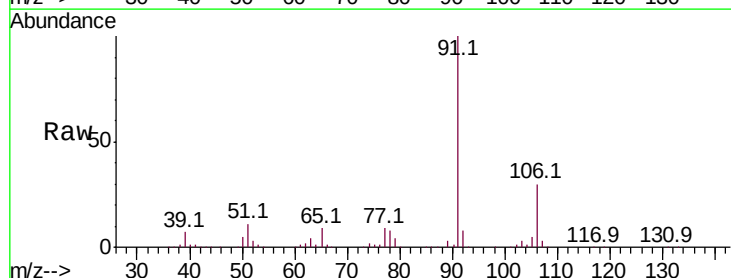
RT: 9.25 min Scan# 2511

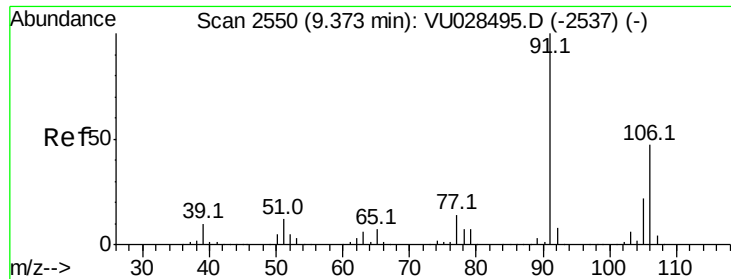
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion:	91	Resp:	296409
Ion Ratio	Lower	Upper	
91	100		
106	30.1	24.1	36.1





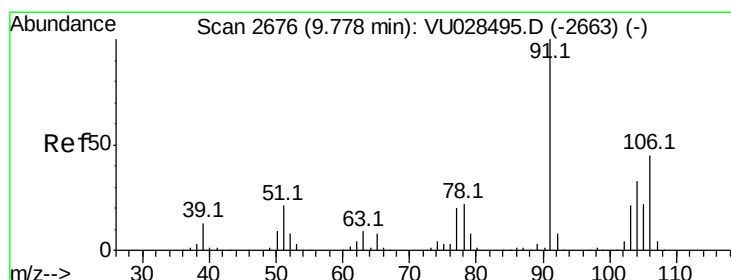
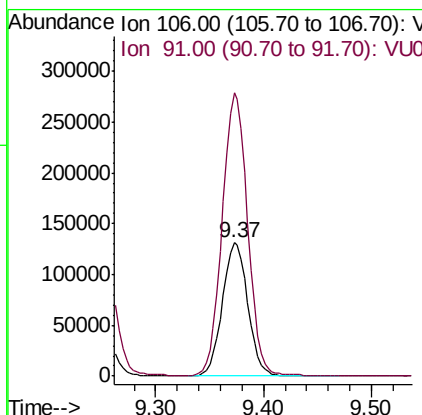
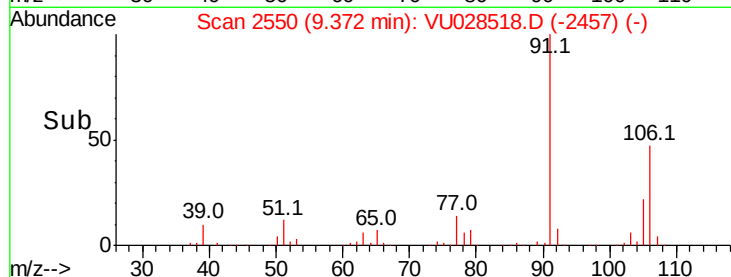
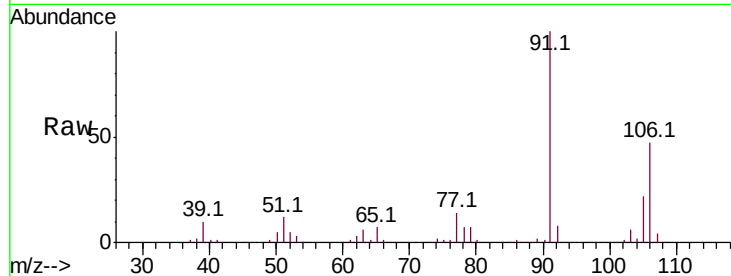
#68
m/p-Xylenes
Concen: 97.550 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:106 Resp: 215399
Ion Ratio Lower Upper
106 100
91 212.9 167.4 251.0

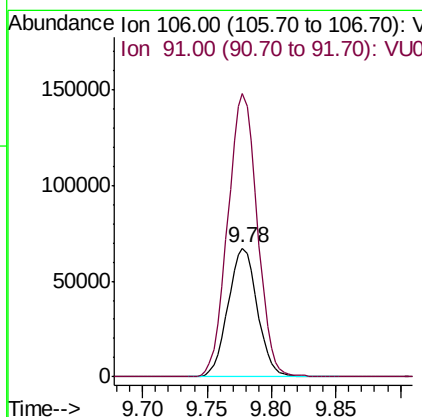
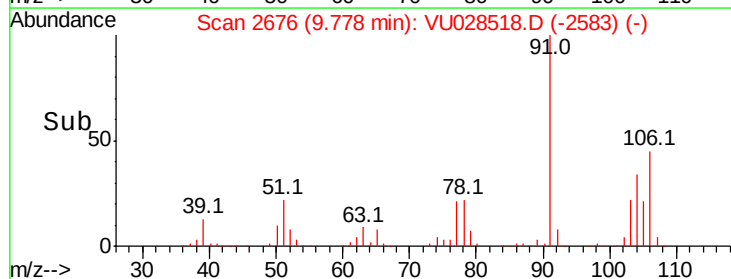
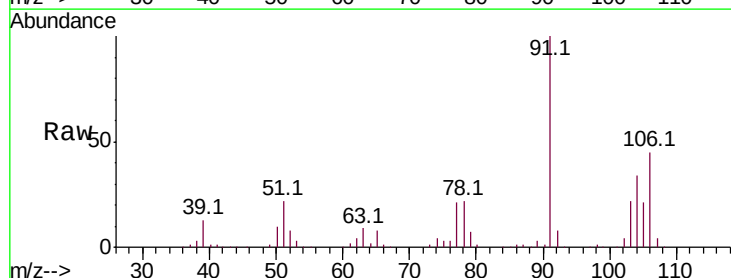
Manual Integrations
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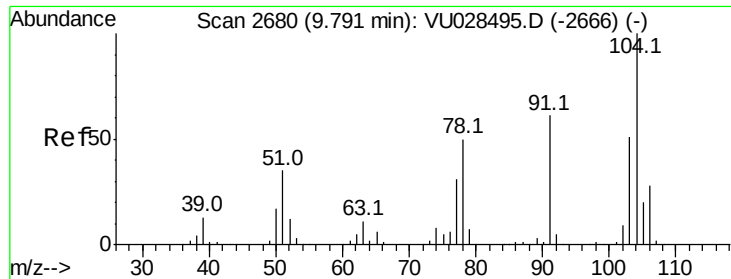
MMDadoda
12/7/2018 10:35:25 AM



#69
o-Xylene
Concen: 49.436 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion:106 Resp: 106080
Ion Ratio Lower Upper
106 100
91 221.8 111.3 334.0





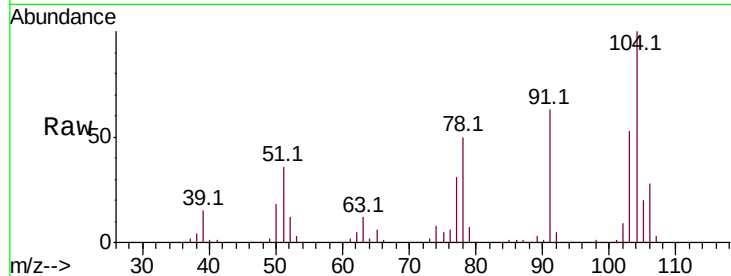
#70
Stvrene
Concen: 49.155 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Resp	Lower	Upper
104	100	174558		
78	53.1		43.0	64.6
103	55.9		44.2	66.4

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MMDadoda
12/7/2018 10:35:25 AM

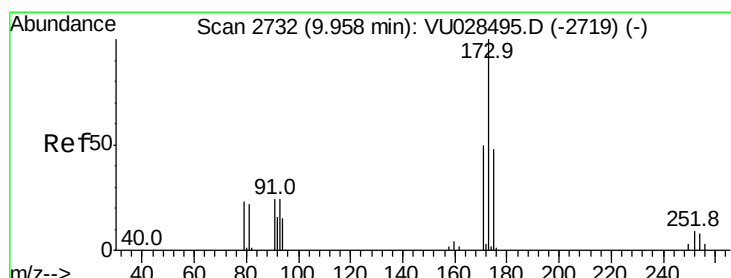
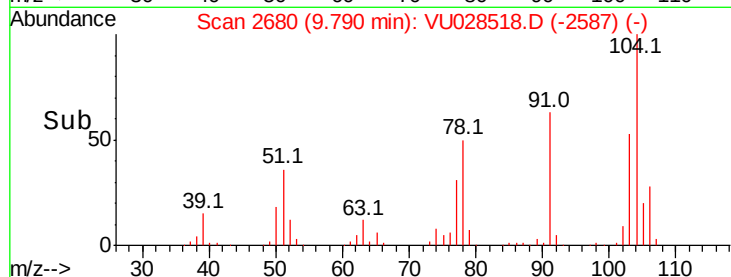
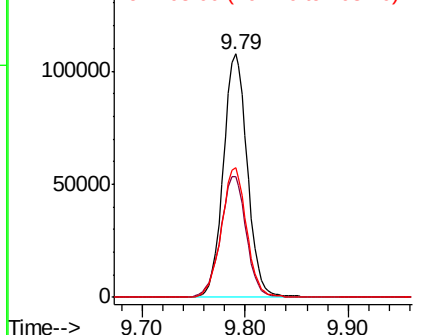


Abundance

Ion 104.00 (103.70 to 104.70): V

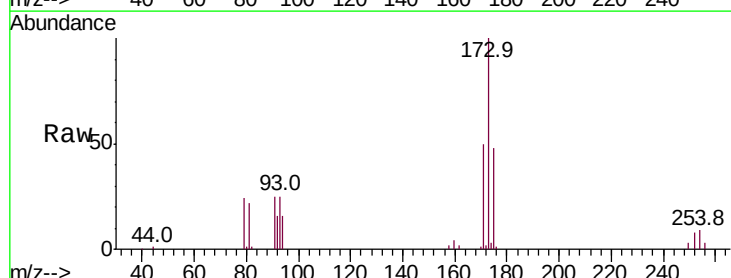
Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 50.183 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU028518.D
Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	45000		
175	47.9		23.9	71.8
254	0.0		0.0	0.0

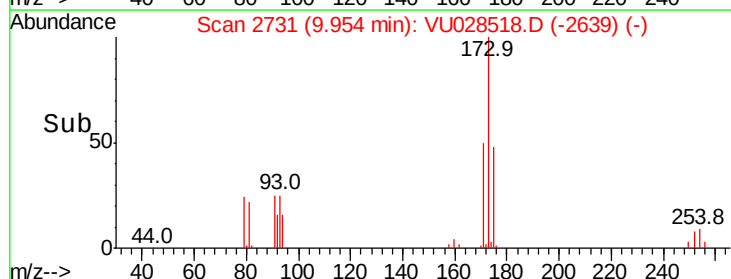
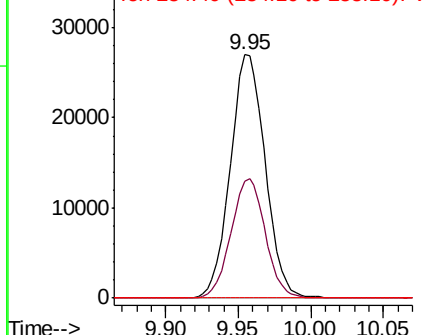


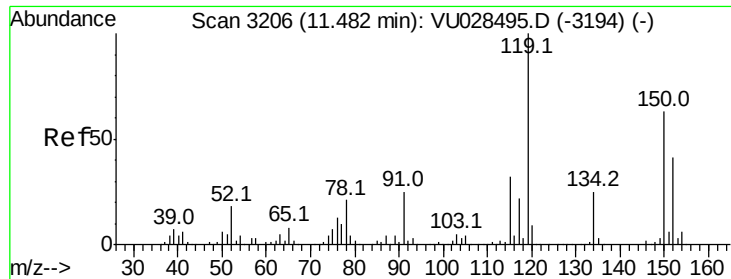
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





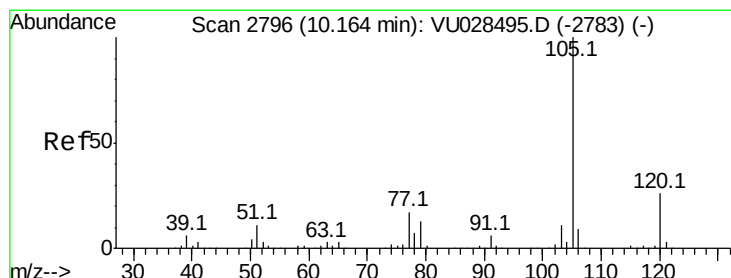
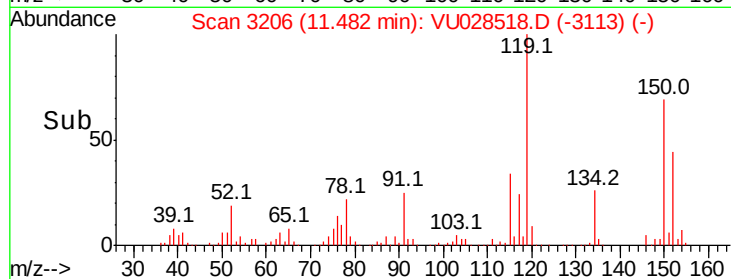
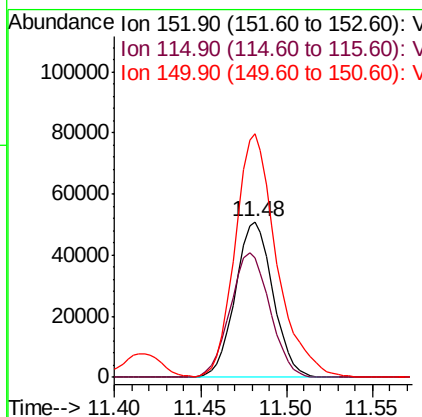
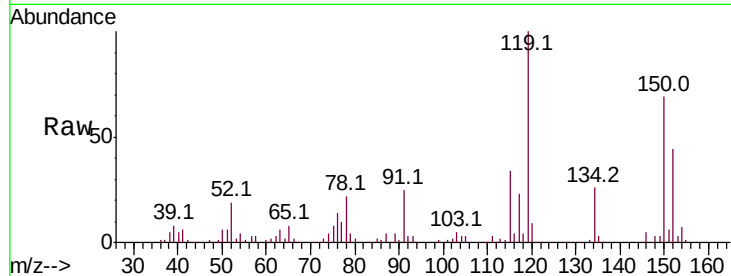
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:152 Resp: 77365
 Ion Ratio Lower Upper
 152 100
 115 84.6 42.7 128.1
 150 172.5 0.0 346.0

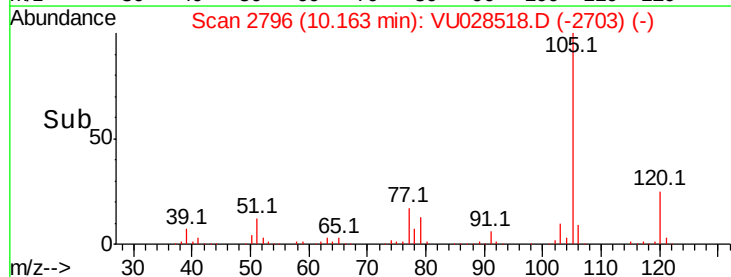
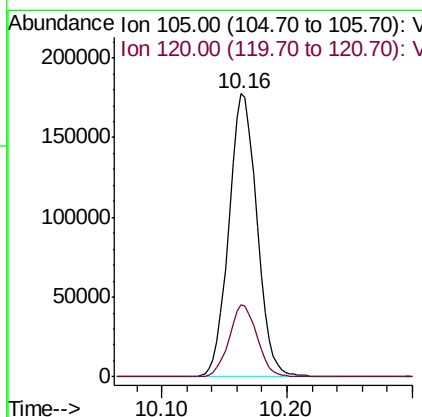
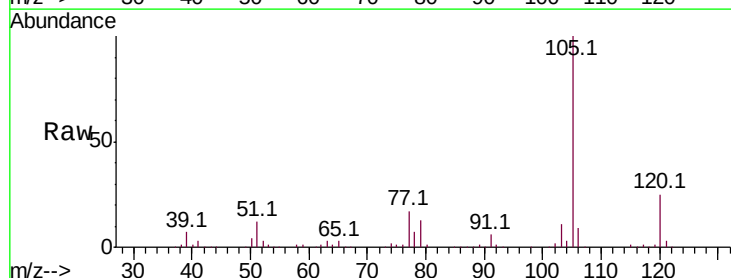
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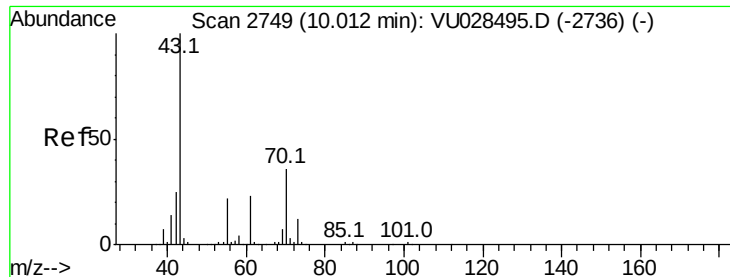
MMDadoda
 12/7/2018 10:35:25 AM



#73
 Isopropylbenzene
 Concen: 46.770 ug/l
 RT: 10.16 min Scan# 2796
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion:105 Resp: 277649
 Ion Ratio Lower Upper
 105 100
 120 25.5 12.9 38.6





#74

N-amvl acetate

Concen: 46.873 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

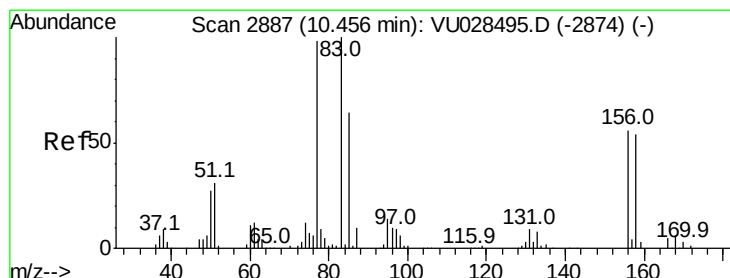
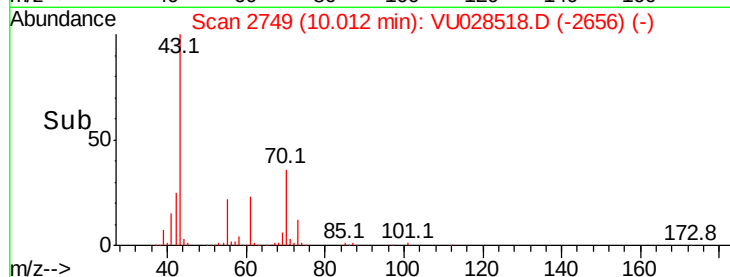
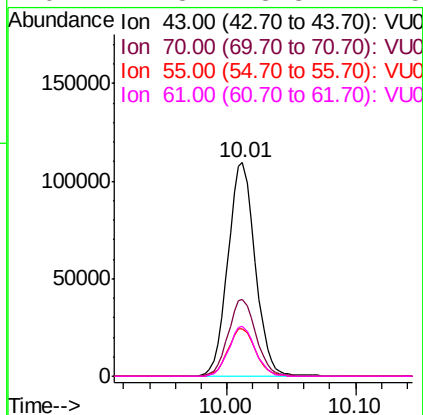
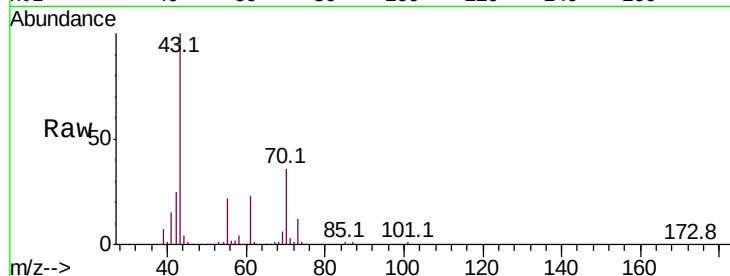
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
43	100		
70	36.7	29.3	43.9
55	22.5	18.0	27.0
61	22.8	18.3	27.5

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12/7/2018 10:35:25 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.499 ug/l

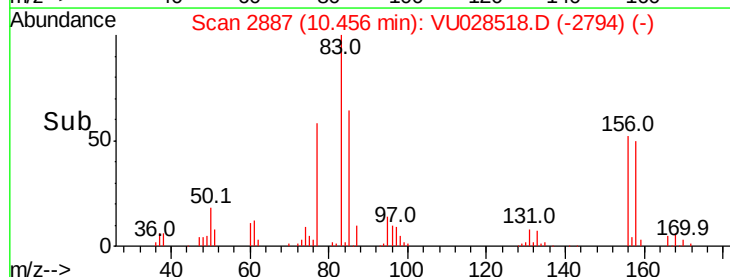
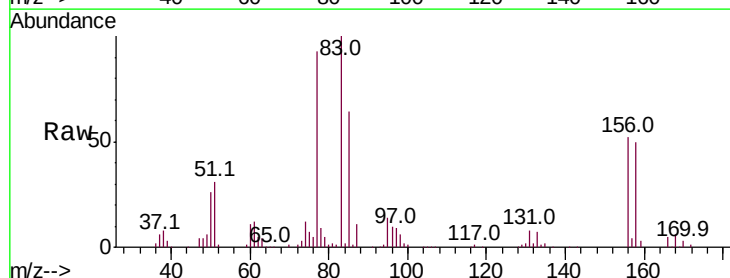
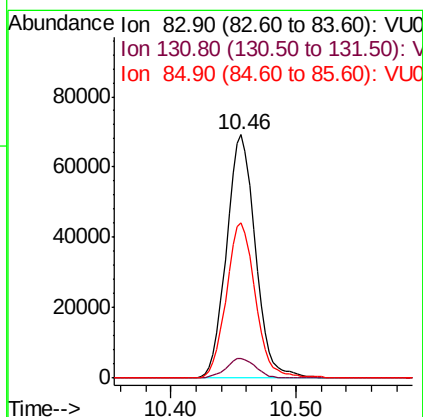
RT: 10.46 min Scan# 2887

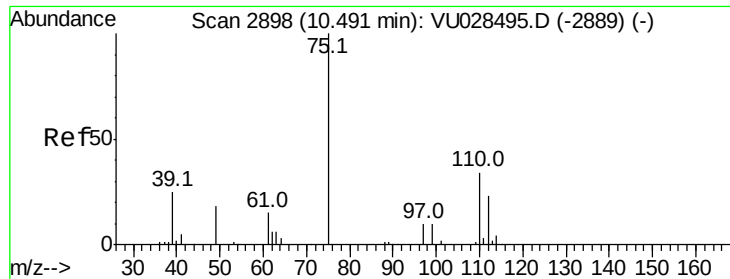
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.2	12.4
85	64.4	31.8	95.4





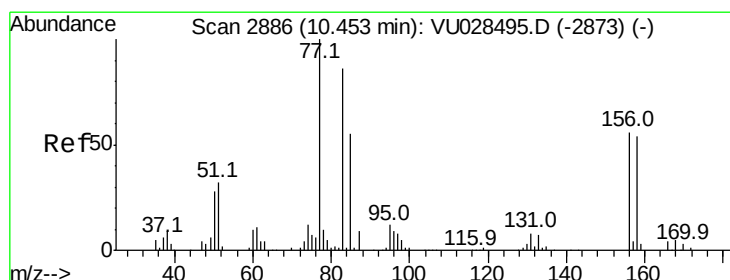
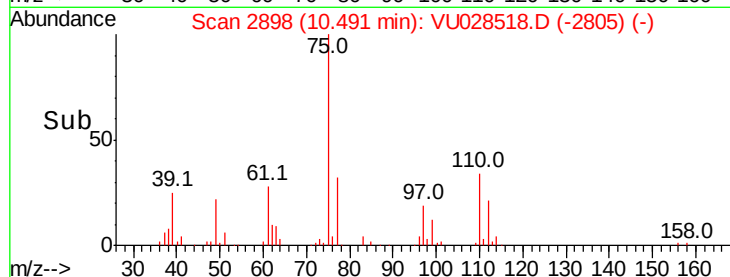
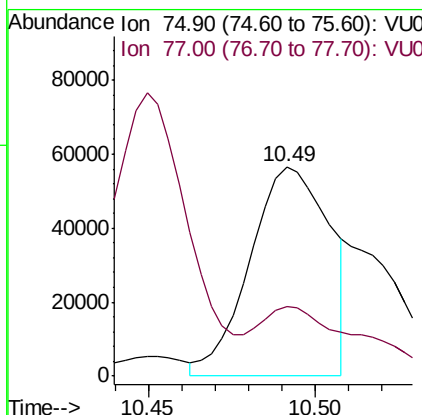
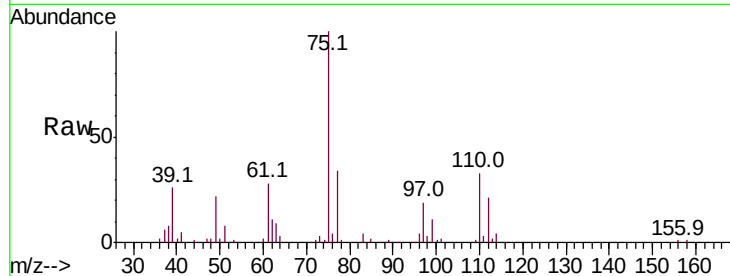
#76
 1,2,3-Trichloropropane
 Concen: 47.150 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 75 Resp: 93146
 Ion Ratio Lower Upper
 75 100
 77 43.1 20.8 62.4

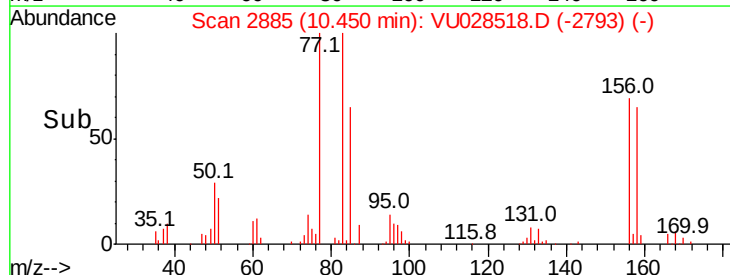
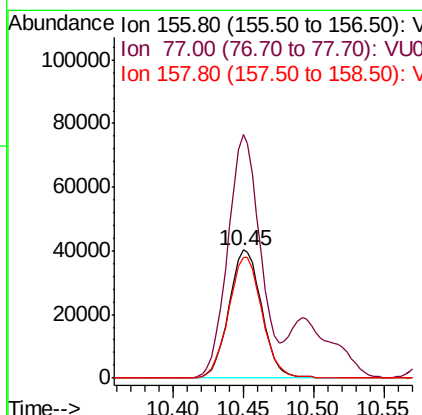
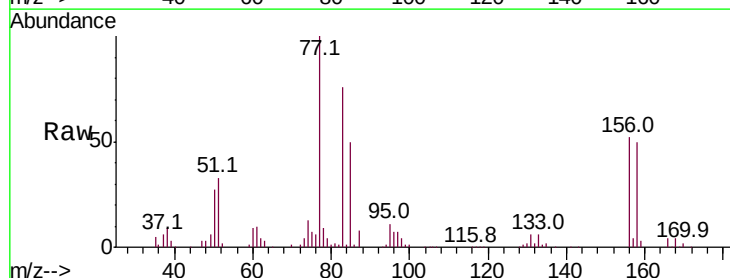
Manual Integrations
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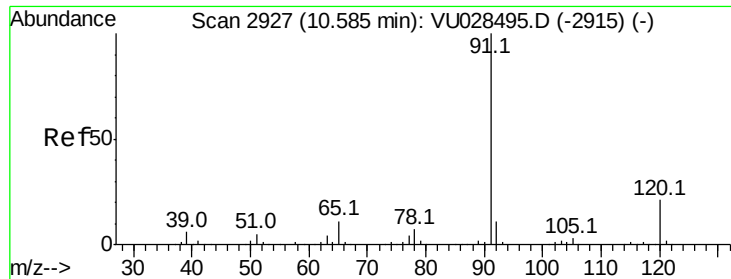
MMDadoda
 12/7/2018 10:35:25 AM



#77
 Bromobenzene
 Concen: 47.341 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 156 Resp: 65728
 Ion Ratio Lower Upper
 156 100
 77 187.0 92.4 277.2
 158 96.2 48.4 145.3





#78

n-propylbenzene

Concen: 47.484 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 91 Resp: 350271

Ion Ratio Lower Upper

91 100

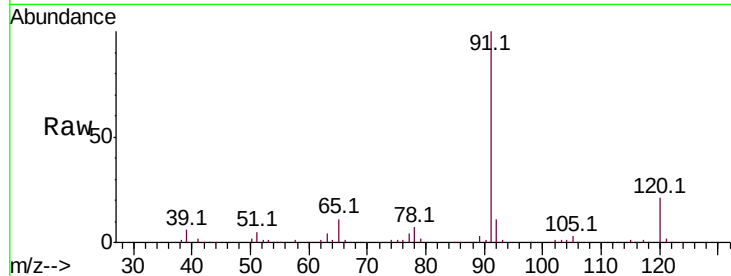
120 21.0 10.6 31.8

Manual Integrations

APPROVED

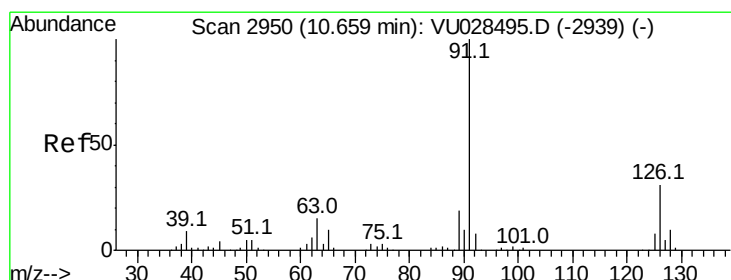
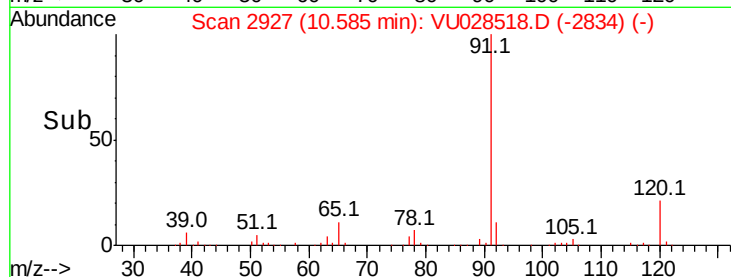
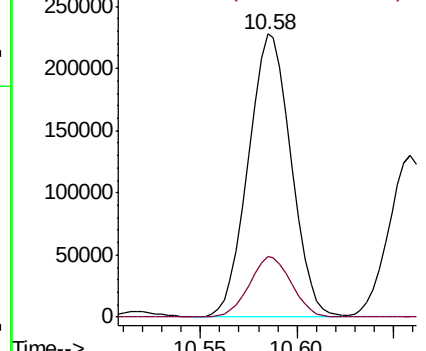
MMDadoda

12/7/2018 10:35:25 AM



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 47.615 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028518.D

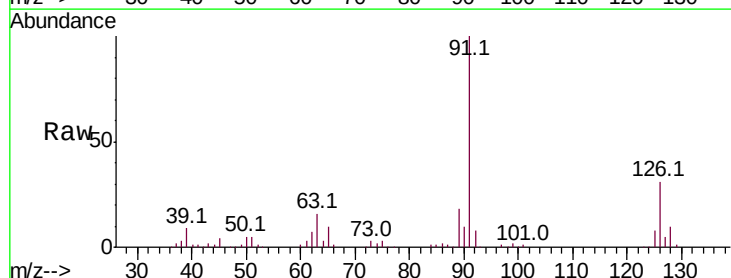
Acq: 06 Dec 2018 22:00

Tgt Ion: 91 Resp: 202322

Ion Ratio Lower Upper

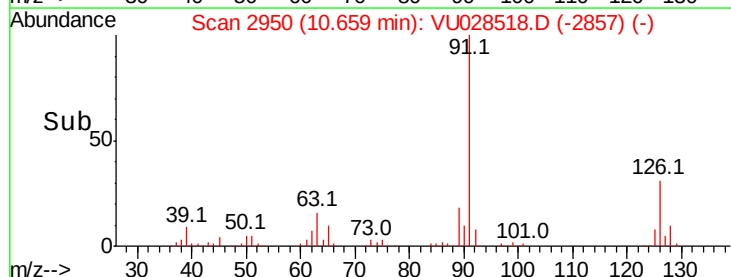
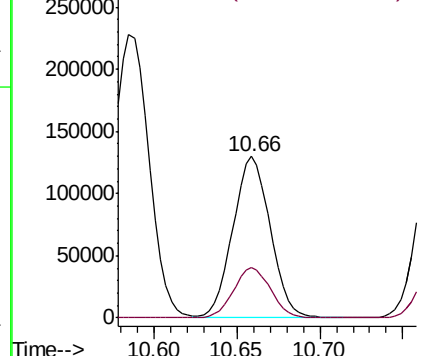
91 100

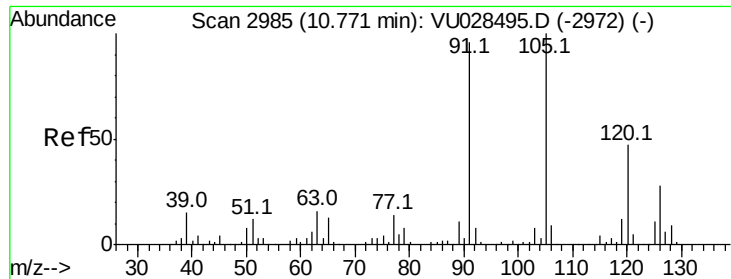
126 31.3 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





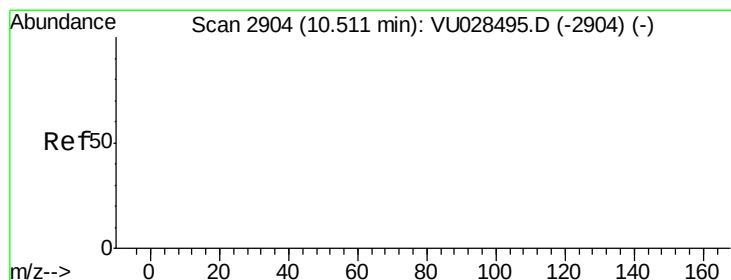
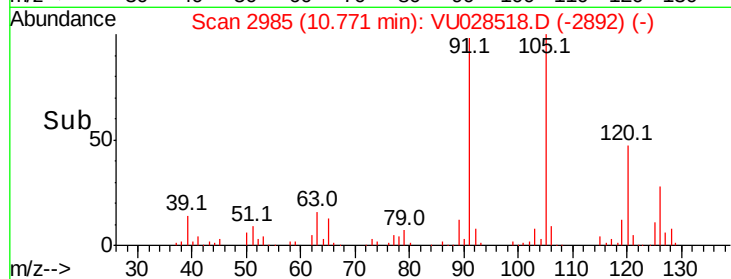
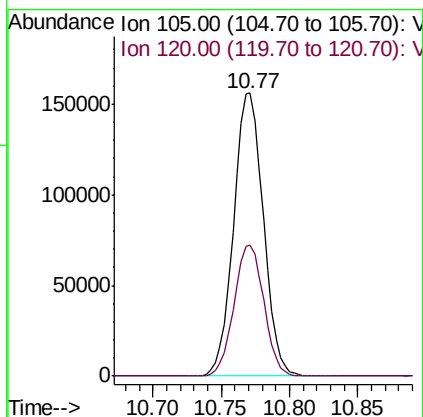
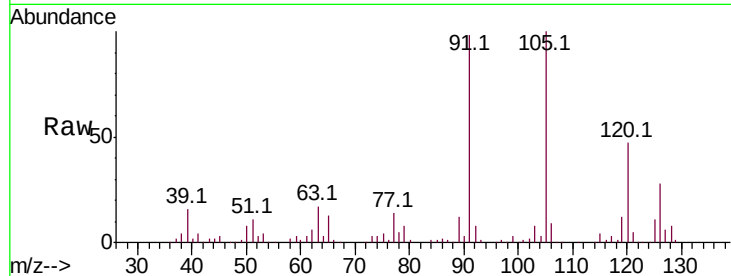
#80
 1,3,5-Trimethylbenzene
 Concen: 48.038 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:105 Resp: 236060
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1

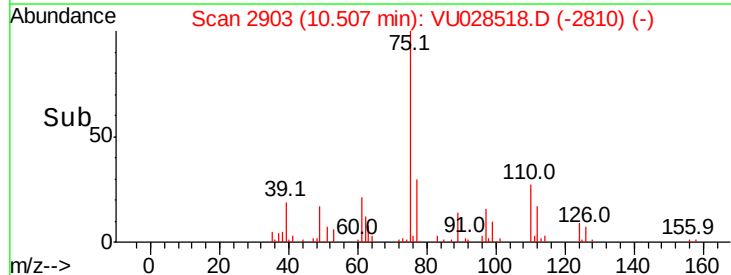
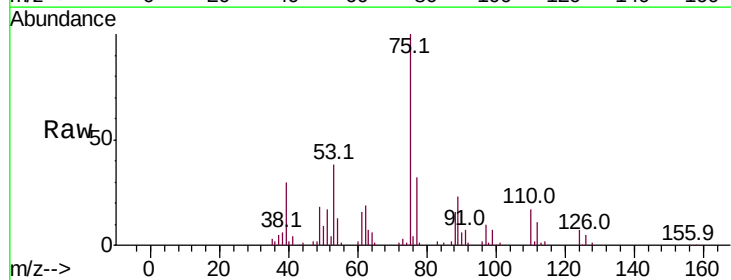
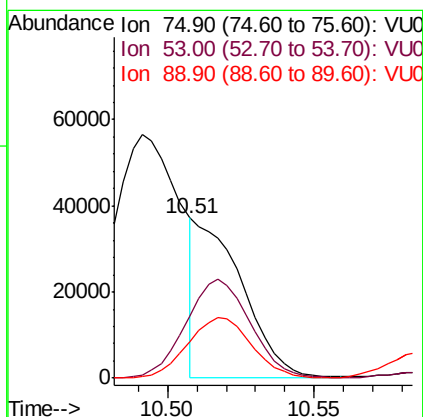
Manual Integrations
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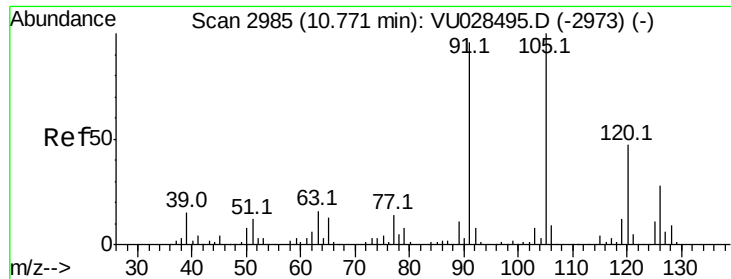
MMDadoda
 12/7/2018 10:35:25 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.374 ug/l m
 RT: 10.51 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion: 75 Resp: 41290
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 46.769 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 91 Resp: 235496

Ion Ratio Lower Upper

91 100

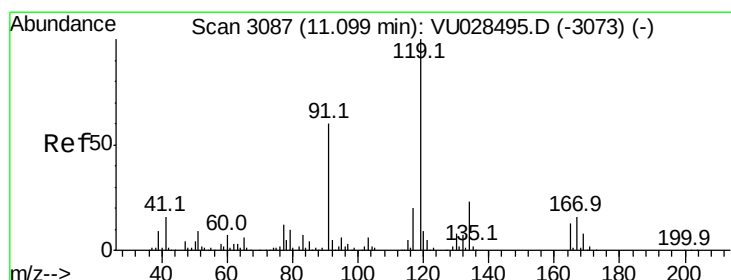
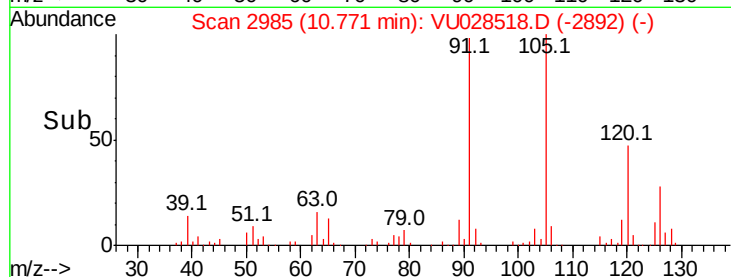
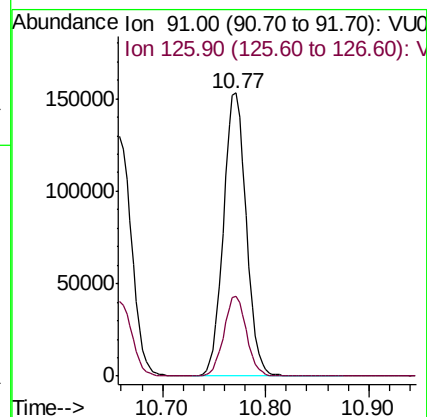
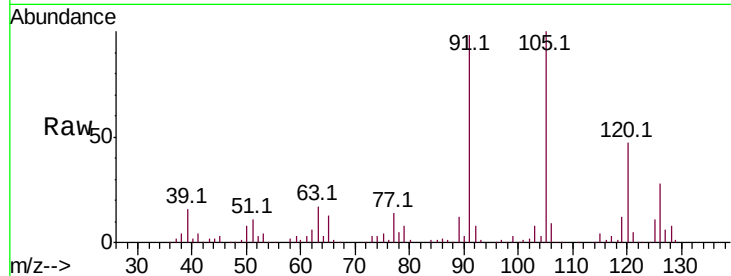
126 28.0 14.1 42.3

Manual Integrations

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MMDadoda

12/7/2018 10:35:25 AM



#83

tert-Butylbenzene

Concen: 47.564 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

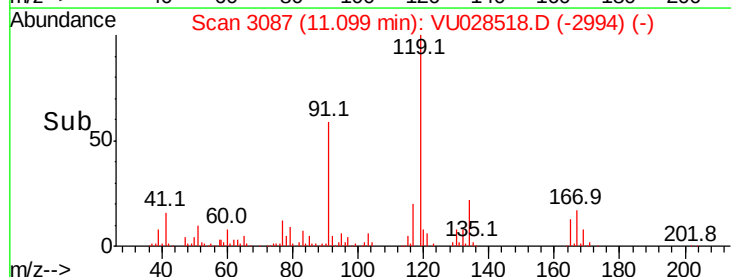
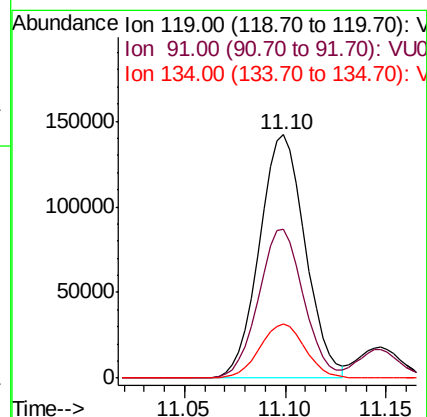
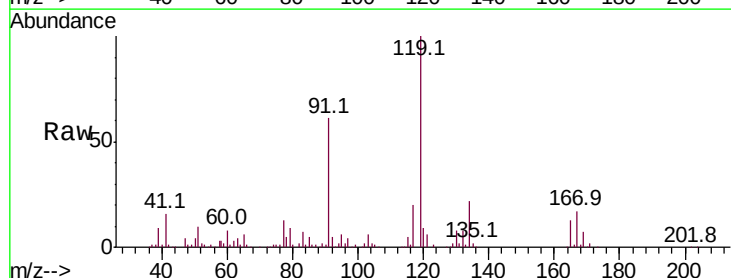
Tgt Ion: 119 Resp: 225287

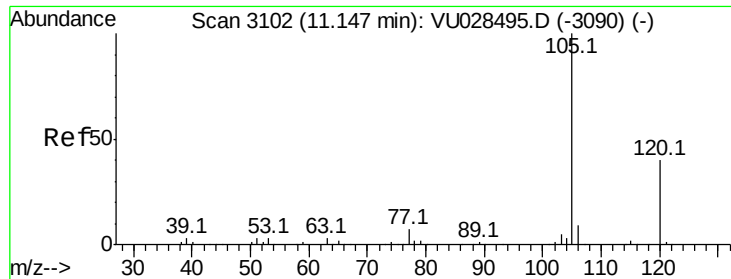
Ion Ratio Lower Upper

119 100

91 60.4 30.3 91.0

134 22.0 11.2 33.5





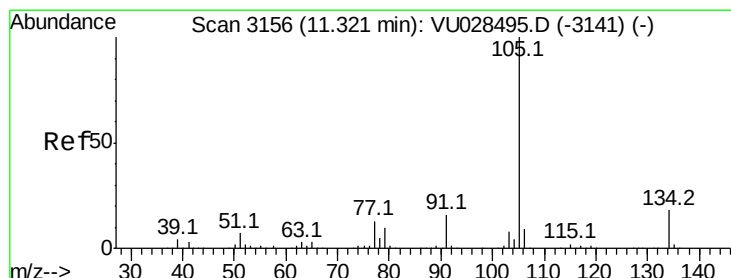
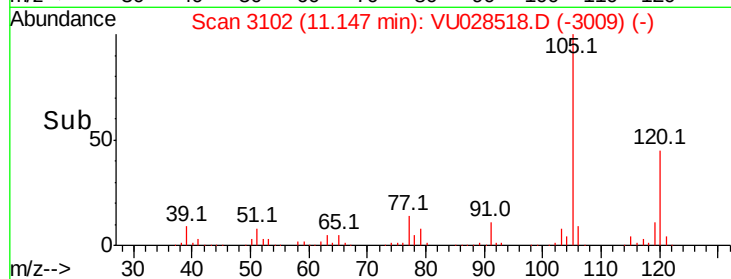
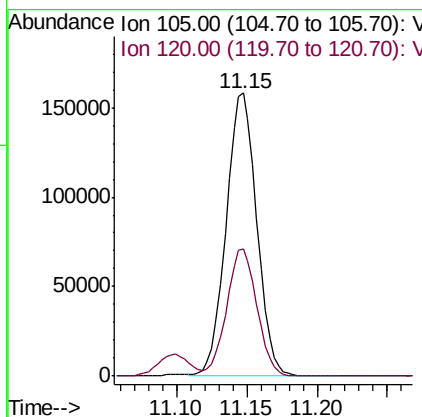
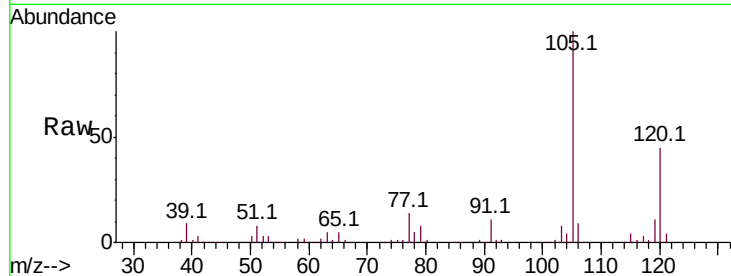
#84
 1,2,4-Trimethylbenzene
 Concen: 47.191 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.8	65.4

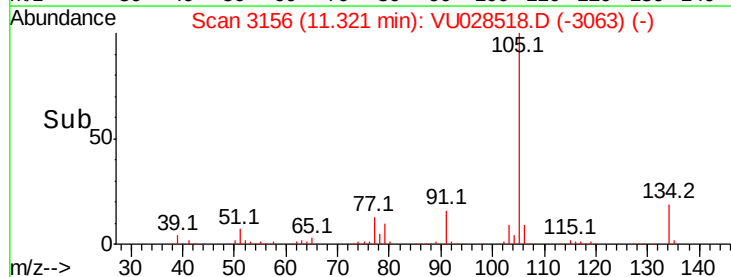
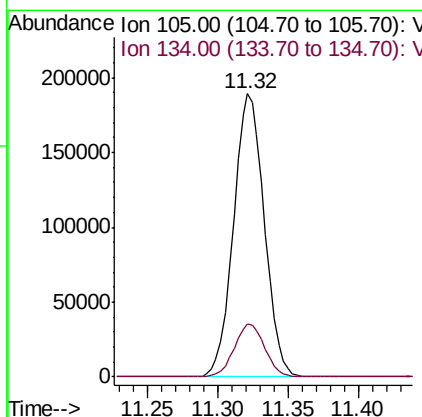
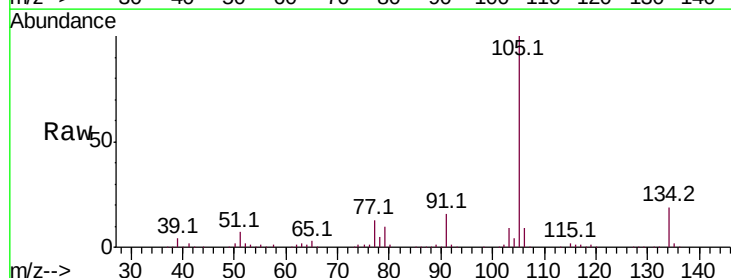
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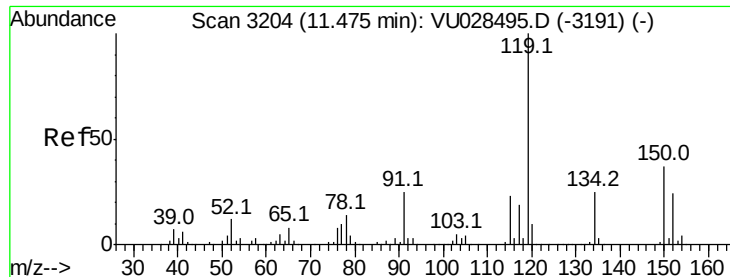
MMDadoda
 12/7/2018 10:35:25 AM



#85
 sec-Butylbenzene
 Concen: 47.368 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.2	27.6





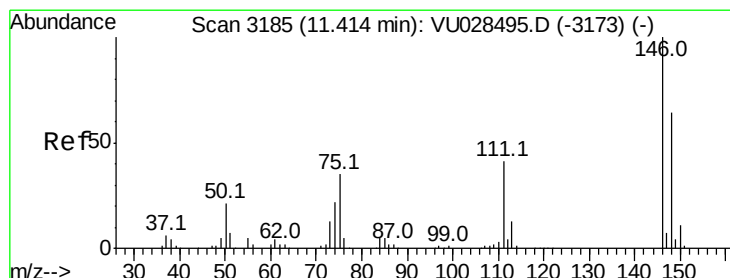
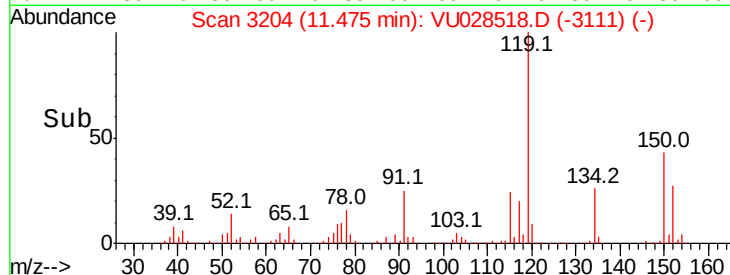
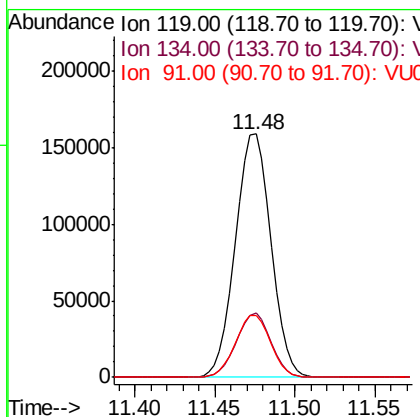
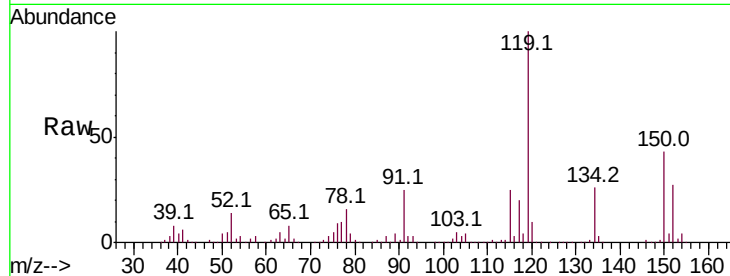
#86
 p-Isopropyltoluene
 Concen: 46.306 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239349		
134	25.8	12.7	38.1	
91	25.3	12.6	37.6	

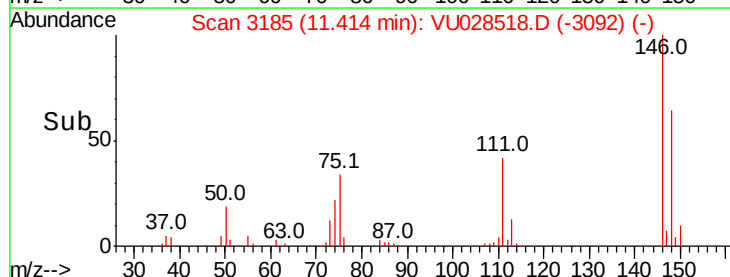
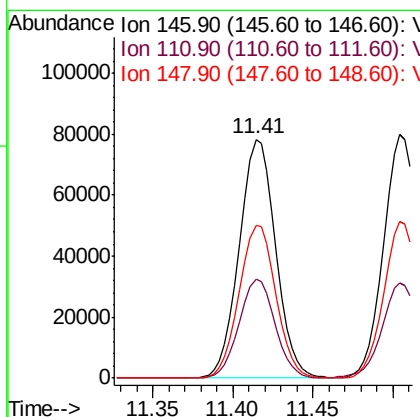
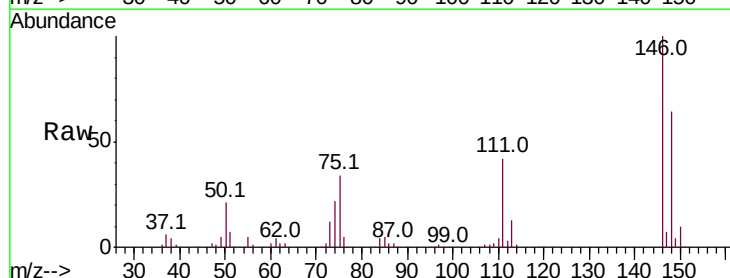
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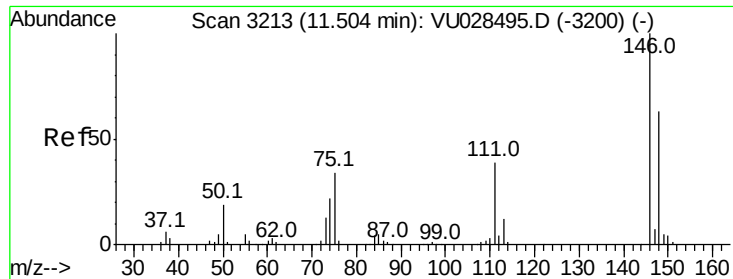
MMDadoda
 12/7/2018 10:35:25 AM



#87
 1,3-Dichlorobenzene
 Concen: 46.210 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121146		
111	40.9	20.7	62.1	
148	64.4	31.9	95.7	





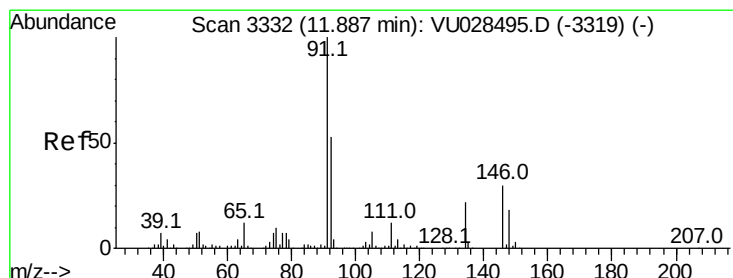
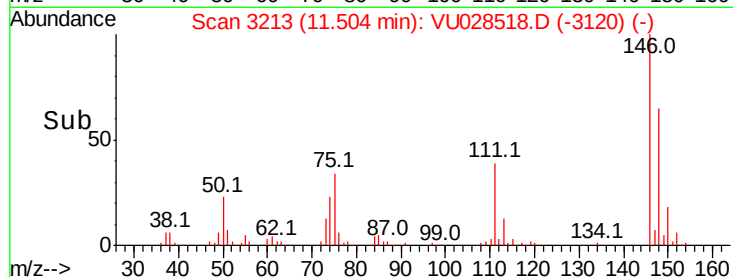
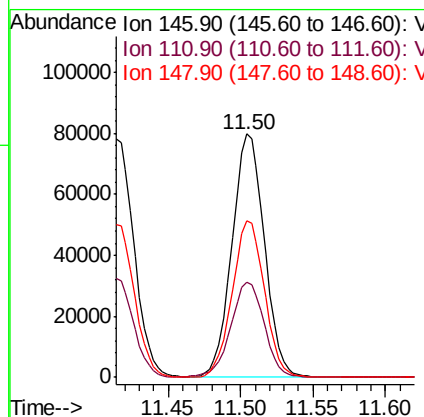
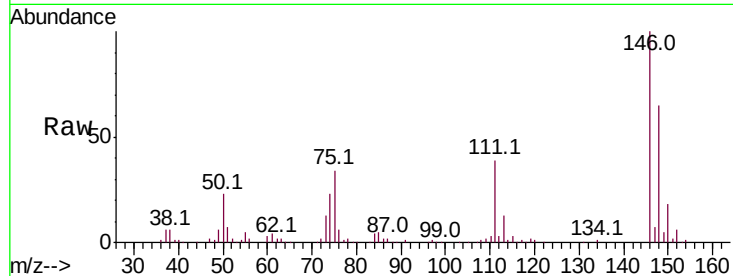
#88
 1,4-Dichlorobenzene
 Concen: 45.659 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.0	31.6	95.0

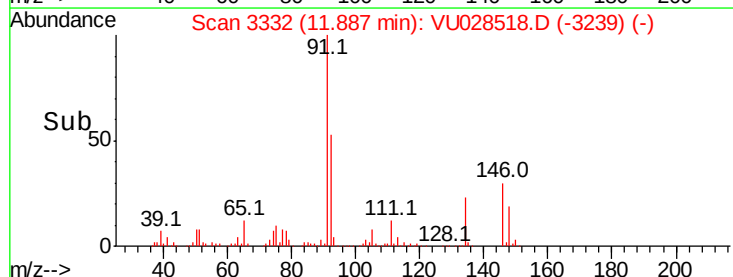
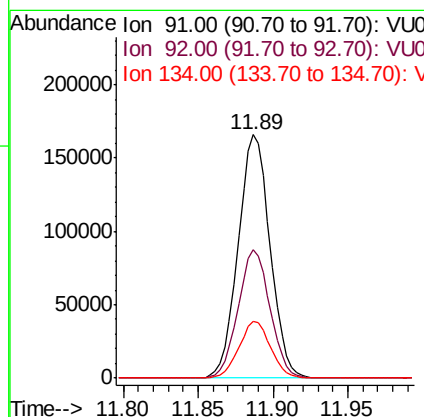
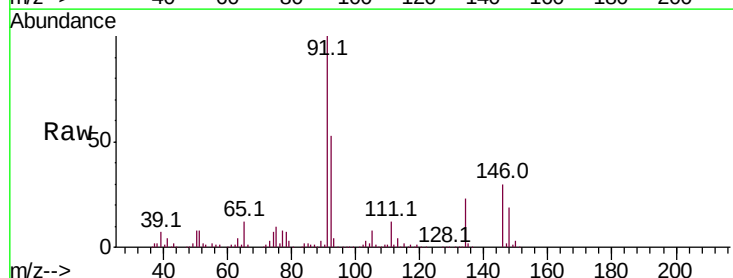
Manual Integrations
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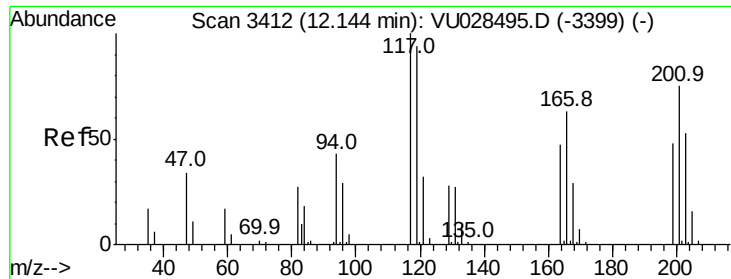
MMDadoda
 12/7/2018 10:35:25 AM



#89
 n-Butylbenzene
 Concen: 47.026 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	23.0	11.3	33.8





#90

Hexachloroethane

Concen: 47.792 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:117 Resp: 37338

Ion Ratio Lower Upper

117 100

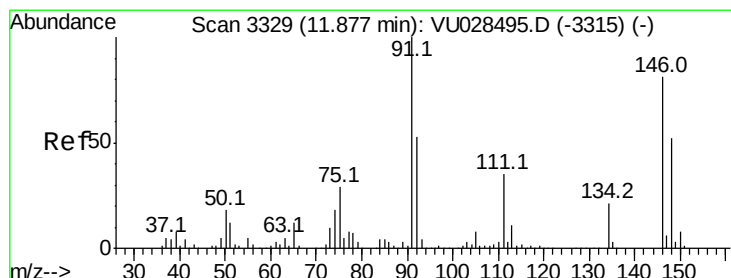
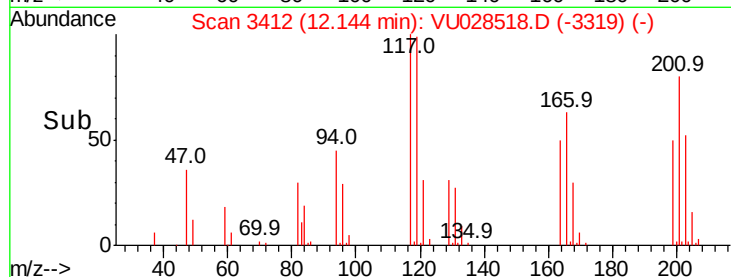
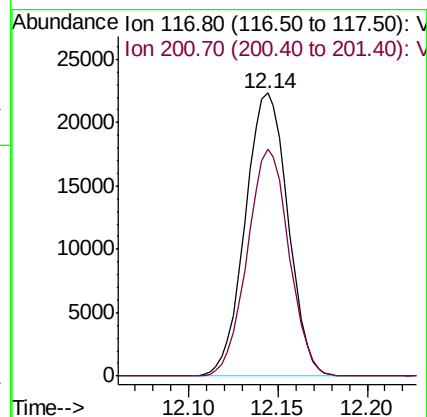
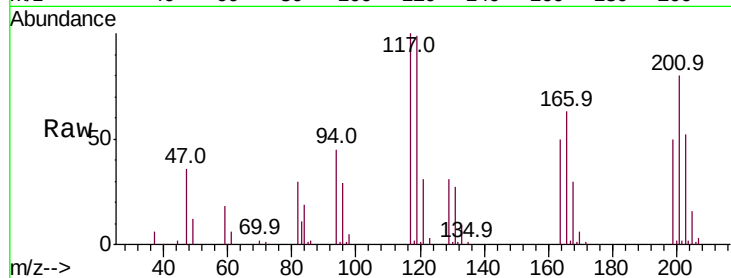
201 78.2 38.1 114.5

Manual Integrations

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#91

1,2-Dichlorobenzene

Concen: 46.296 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

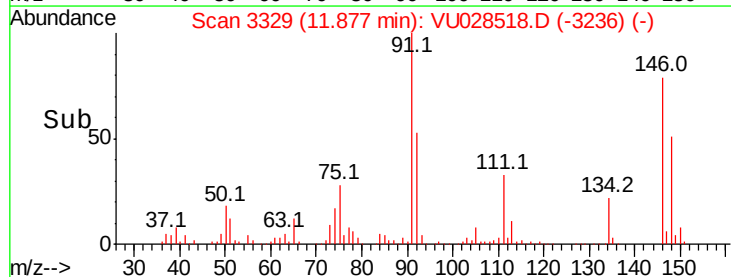
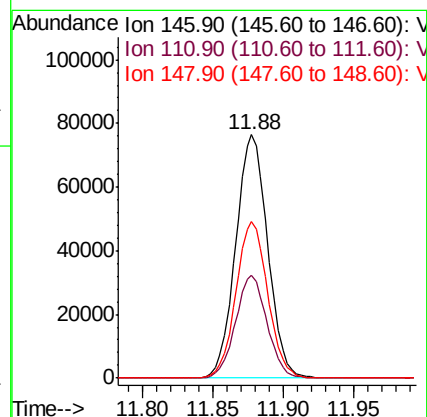
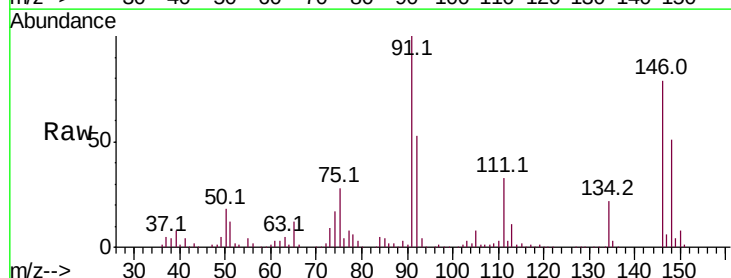
Tgt Ion:146 Resp: 121406

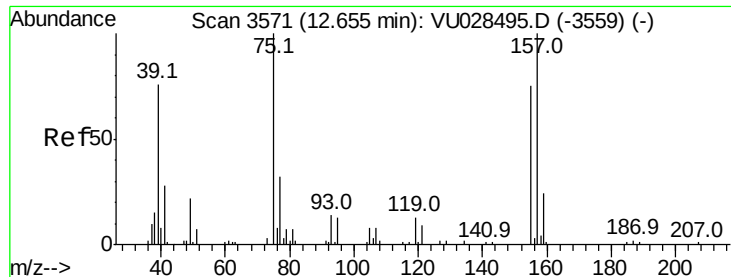
Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.4

148 63.8 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.837 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion: 75 Resp: 25099

Ion Ratio Lower Upper

75 100

155 73.5 38.1 114.5

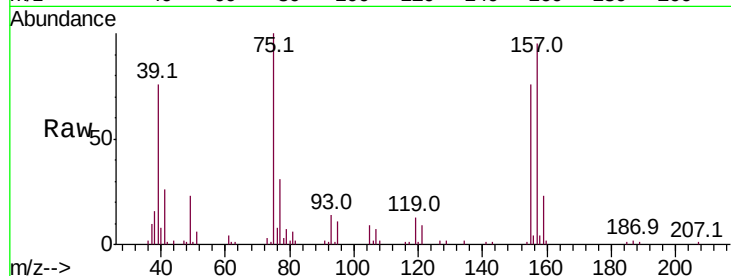
157 93.7 48.7 146.1

Manual Integrations

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12/7/2018 10:35:25 AM



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU028495.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU028495.D (-3559) (-)

12.66

20000

15000

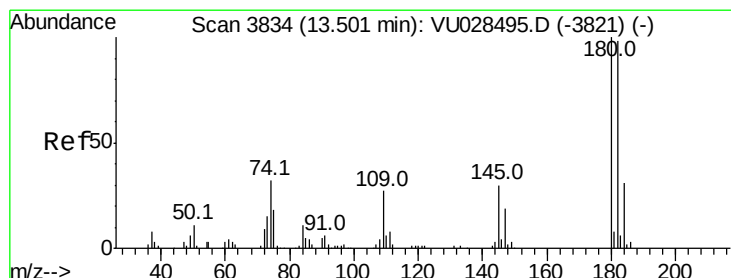
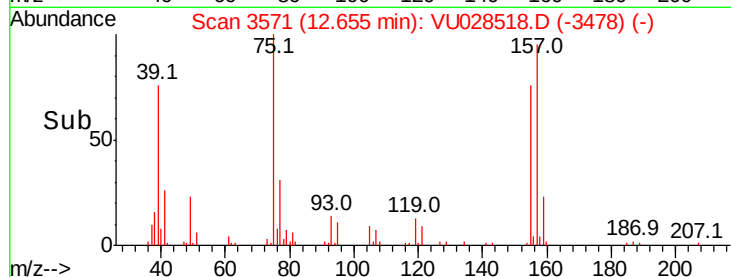
10000

5000

0

12.60 12.65 12.70

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 47.636 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

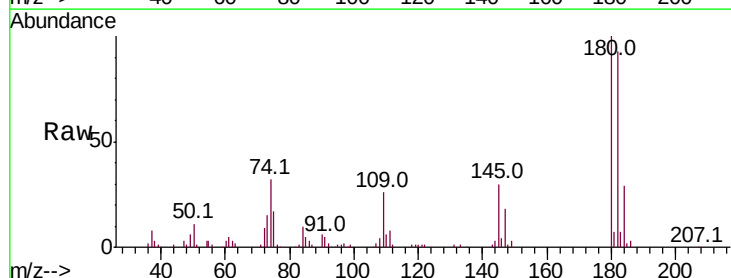
Tgt Ion:180 Resp: 85767

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.8

145 29.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): VU028495.D (-3821) (-)

Ion 181.80 (181.50 to 182.50): VU028495.D (-3821) (-)

Ion 144.80 (144.50 to 145.50): VU028495.D (-3821) (-)

13.50

60000

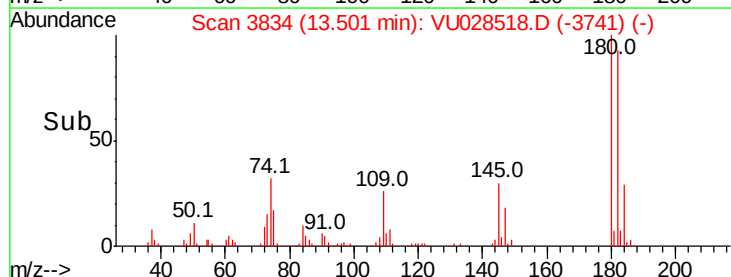
40000

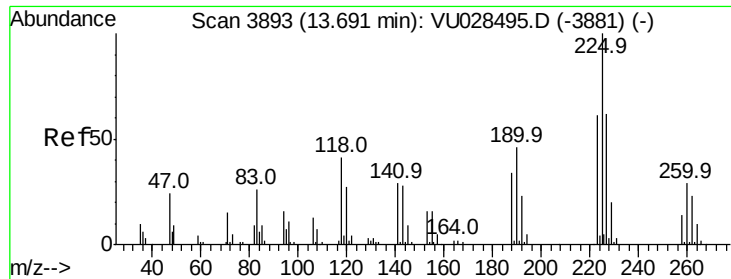
20000

0

13.45 13.50 13.55

Time-->





#94

Hexachlorobutadiene

Concen: 44.059 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Instrument :

MSVOA_U

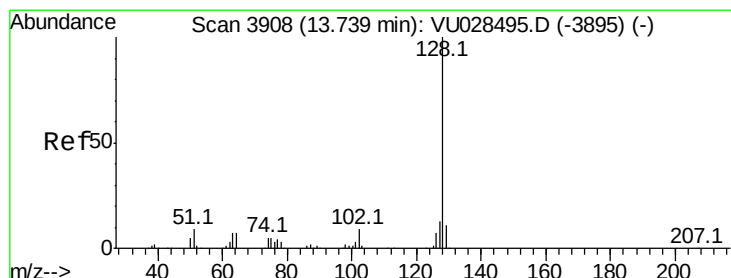
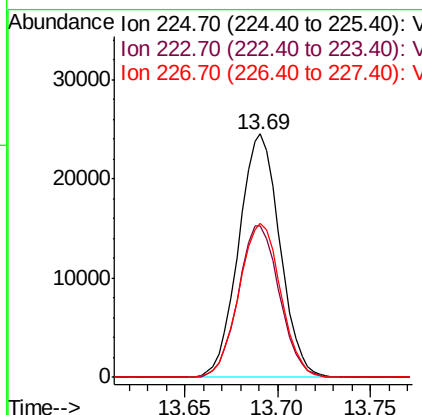
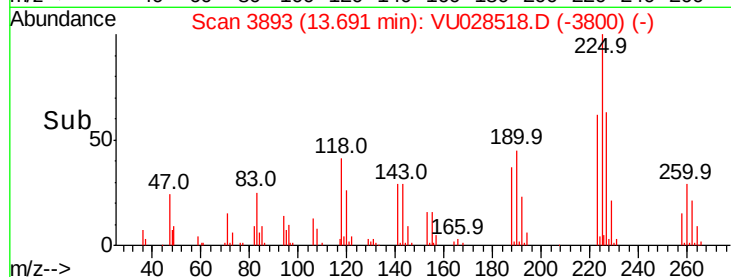
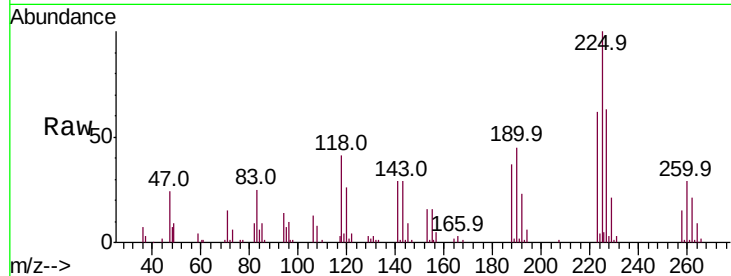
ClientSampleId :

CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	225	Resp:	37847
Ion Ratio		Lower	Upper
225	100		
223	62.4	30.4	91.2
227	64.1	30.7	92.1

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:35:25 AM



#95

Naphthalene

Concen: 48.492 ug/l

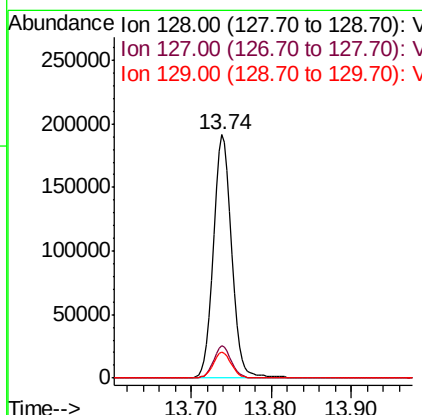
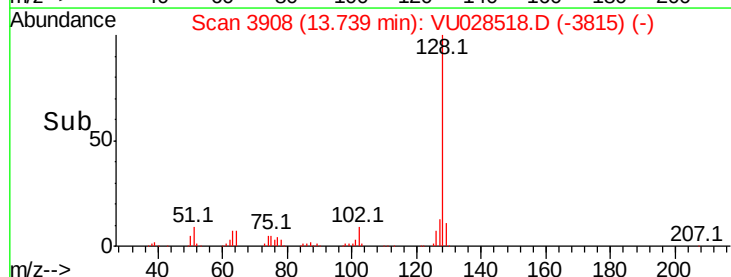
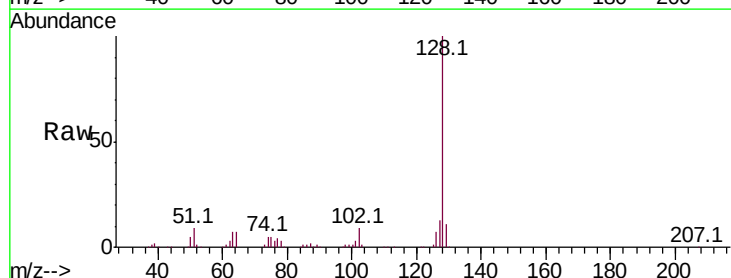
RT: 13.74 min Scan# 3908

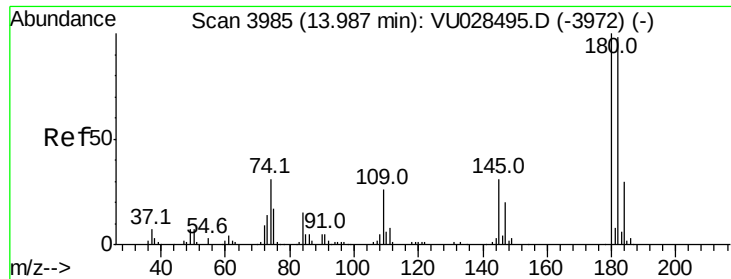
Delta R.T. -0.00 min

Lab File: VU028518.D

Acq: 06 Dec 2018 22:00

Tgt Ion:	128	Resp:	305148
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	13.0





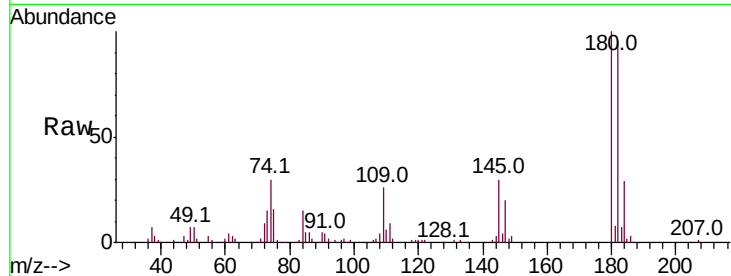
#96
 1,2,3-Trichlorobenzene
 Concen: 49.438 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028518.D
 Acq: 06 Dec 2018 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Tot Ion:	180	Resp:	88662
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.2	144.6
145	30.9	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:25 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

