

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028573.D
 Acq On : 11 Dec 2018 00:02
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:24 PM

Quant Time: Dec 11 04:34:45 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	84266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	148160	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69280	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.88	113	50770	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	7.57	98	200175	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	10.30	95	73482	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54927	48.631	ug/l	98
3) Chloromethane	1.33	50	101776	49.013	ug/l	99
4) Vinyl Chloride	1.40	62	75285	50.239	ug/l	99
5) Bromomethane	1.60	94	39573	65.557	ug/l	98
6) Chloroethane	1.68	64	42411	49.991	ug/l	96
7) Trichlorofluoromethane	1.88	101	77350	49.060	ug/l	99
8) Diethyl Ether	2.10	74	35162	47.668	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45749	48.517	ug/l	99
10) Methyl Iodide	2.40	142	40646	54.936	ug/l	98
11) Tert butyl alcohol	2.83	59	85450	298.249	ug/l	99
12) 1,1-Dichloroethene	2.28	96	45168	48.143	ug/l	96
13) Acrolein	2.19	56	58496	256.113	ug/l	97
14) Allyl chloride	2.59	41	122165	55.042	ug/l	92
15) Acrylonitrile	2.94	53	217817	273.836	ug/l	99
16) Acetone	2.32	43	177503	211.529	ug/l	99
17) Carbon Disulfide	2.47	76	161219	47.699	ug/l	100
18) Methyl Acetate	2.61	43	123165	56.620	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	180644	50.791	ug/l	100
20) Methylene Chloride	2.70	84	58105	46.972	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	51028	48.307	ug/l	98
22) Diisopropyl ether	3.57	45	228508	52.943	ug/l	97
23) Vinyl Acetate	3.52	43	946136	265.758	ug/l	100
24) 1,1-Dichloroethane	3.44	63	113747	50.346	ug/l	98
25) 2-Butanone	4.26	43	299806	261.434	ug/l	98
26) 2,2-Dichloropropane	4.22	77	79903	44.634	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	59973	50.161	ug/l	100
28) Bromochloromethane	4.55	49	58983	57.427	ug/l	97
29) Tetrahydrofuran	4.64	42	205790	279.415	ug/l	97
30) Chloroform	4.67	83	101316	51.452	ug/l	95
31) Cyclohexane	4.99	56	110764	50.244	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	83291	50.929	ug/l	99
36) 1,1-Dichloropropene	5.13	75	80312	49.536	ug/l	99
37) Ethyl Acetate	4.38	43	114046	54.415	ug/l	99
38) Carbon Tetrachloride	5.13	117	65949	50.467	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	92280	46.654	ug/l	98
40) Benzene	5.39	78	242075	50.696	ug/l	98
41) Methacrylonitrile	4.54	41	63571	55.386	ug/l	97
42) 1,2-Dichloroethane	5.40	62	84299	50.435	ug/l	98
43) Isopropyl Acetate	5.55	43	179356	54.104	ug/l	99
44) Trichloroethene	6.19	130	53737	50.613	ug/l	95
45) 1,2-Dichloropropane	6.43	63	69594	51.828	ug/l	97
46) Dibromomethane	6.56	93	40146	50.389	ug/l	99
47) Bromodichloromethane	6.76	83	79236	51.108	ug/l	99
48) Methyl methacrylate	6.62	41	91301	55.382	ug/l	97
49) 1,4-Dioxane	6.61	88	33972	1305.095	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	578639	276.753	ug/l	98
52) Toluene	7.64	92	141566	50.375	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	93461	50.617	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	98847	49.343	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	56752	51.088	ug/l	97
56) Ethyl methacrylate	8.02	69	98792	51.933	ug/l	96
57) 1,3-Dichloropropane	8.24	76	105437	51.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	244372	250.802	ug/l	99
59) 2-Hexanone	8.36	43	446893	269.668	ug/l	100
60) Dibromochloromethane	8.48	129	54663	50.260	ug/l	99
61) 1,2-Dibromoethane	8.58	107	60880	52.261	ug/l	99
64) Tetrachloroethene	8.23	164	46010	50.082	ug/l	97
65) Chlorobenzene	9.12	112	144269	49.157	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	48982	52.264	ug/l	99
67) Ethyl Benzene	9.25	91	270096	50.062	ug/l	100
68) m/p-Xylenes	9.37	106	197997	100.855	ug/l	98
69) o-Xylene	9.78	106	97202	50.949	ug/l	100
70) Styrene	9.79	104	161585	51.178	ug/l	100
71) Bromoform	9.96	173	42956	53.879	ug/l #	100
73) Isopropylbenzene	10.16	105	260357	49.919	ug/l	99
74) N-amyl acetate	10.01	43	160100	53.216	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	107107	53.459	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	100569m	57.944	ug/l	
77) Bromobenzene	10.45	156	60519	49.614	ug/l	97
78) n-propylbenzene	10.58	91	318633	49.165	ug/l	99
79) 2-Chlorotoluene	10.66	91	188614	50.525	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217980	50.490	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	39436m	55.803	ug/l	
82) 4-Chlorotoluene	10.77	91	218374	49.363	ug/l	98
83) tert-Butylbenzene	11.10	119	206929	49.727	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	222967	50.112	ug/l	100
85) sec-Butylbenzene	11.32	105	265168	49.602	ug/l	100
86) p-Isopropyltoluene	11.48	119	221105	48.689	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	111985	48.620	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	112762	47.319	ug/l	99
89) n-Butylbenzene	11.89	91	218209	47.480	ug/l	99
90) Hexachloroethane	12.14	117	33985	49.513	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	112576	48.863	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23386	53.915	ug/l	98

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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	74528	47.124	ug/l	97
94) Hexachlorobutadiene	13.69	225	33501	44.390	ug/l	97
95) Naphthalene	13.74	128	264789	47.895	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	75917	48.186	ug/l	97

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

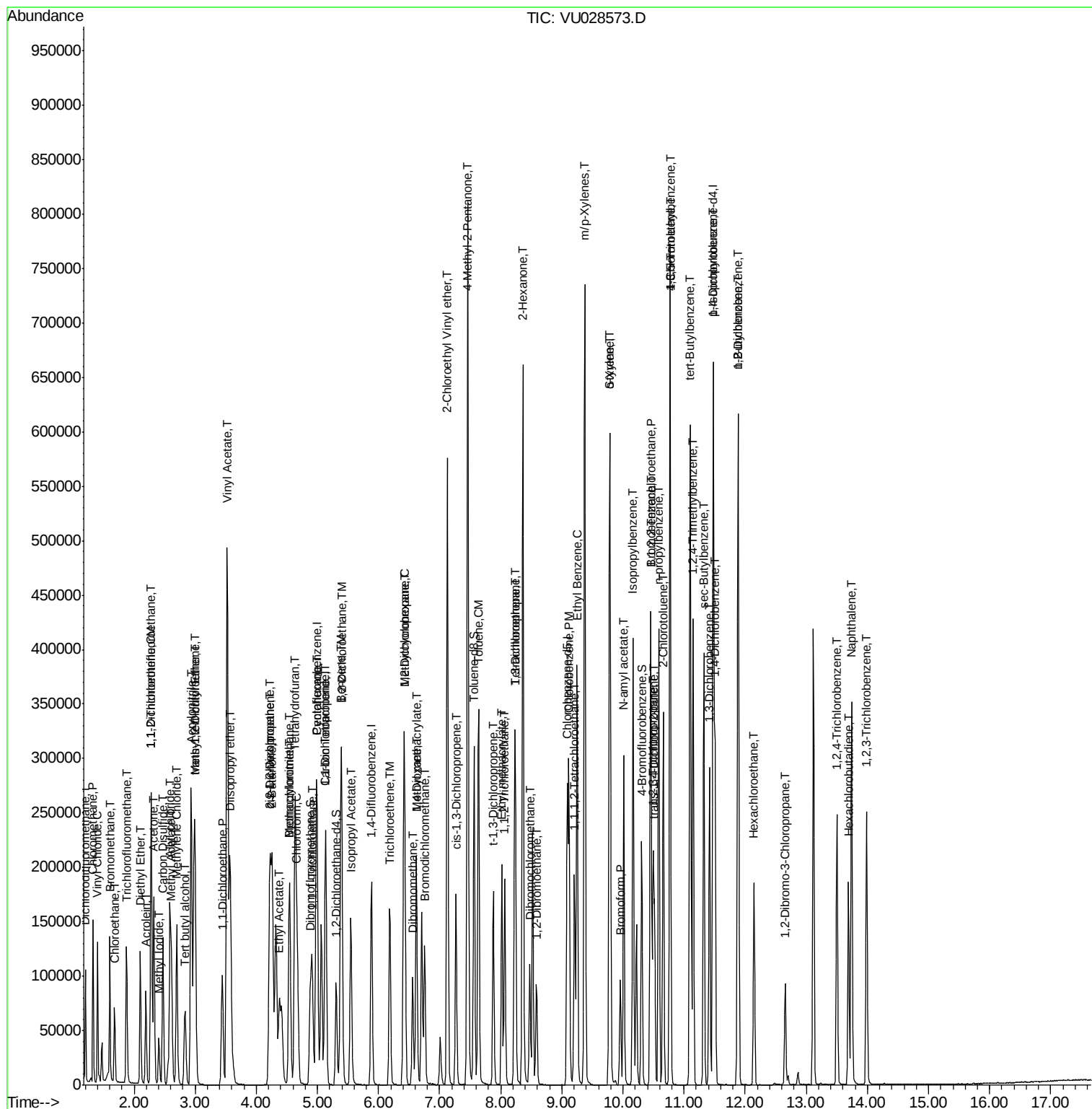
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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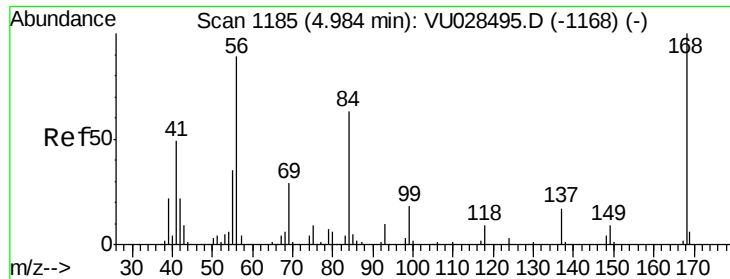
Instrument :
 MSVOA_U
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 84266

Ion Ratio Lower Upper

168 100

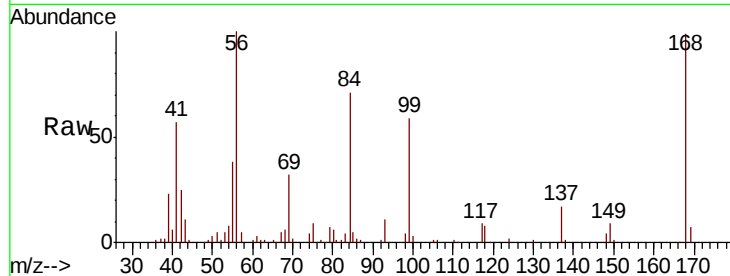
99 59.1 46.6 69.8

Manual Integrations

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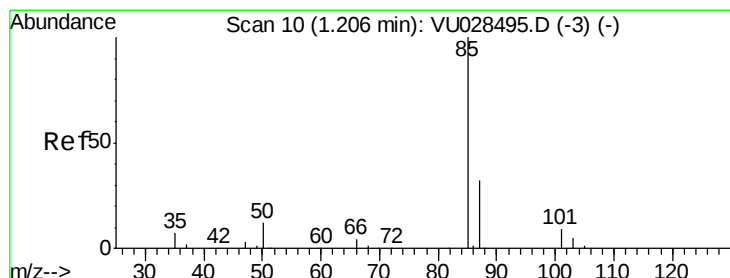
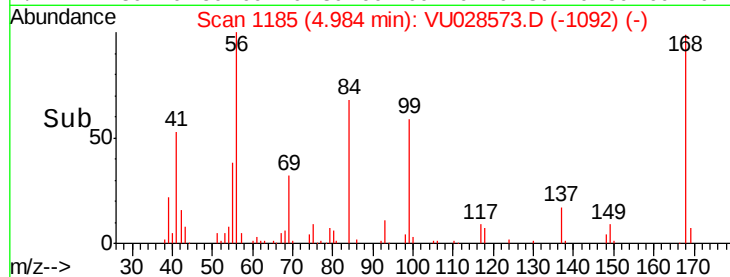
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.631 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028573.D

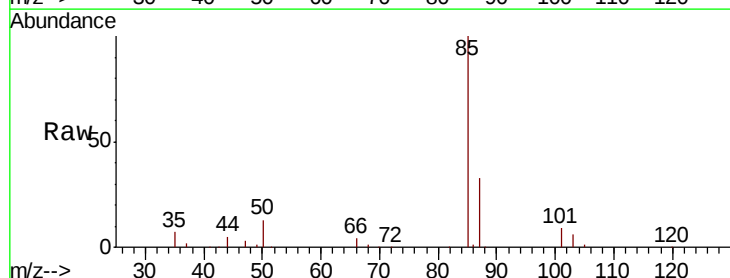
Acq: 11 Dec 2018 00:02

Tgt Ion: 85 Resp: 54927

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



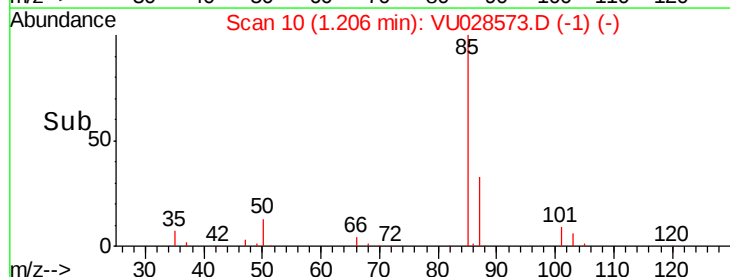
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

1.20 1.21 1.22 1.23 1.24 1.25

Time-->





#3

Chloromethane

Concen: 49.013 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 101776

Ion Ratio Lower Upper

50 100

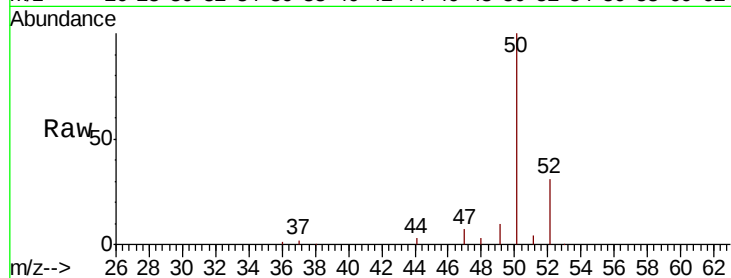
52 31.1 25.5 38.3

Manual Integrations

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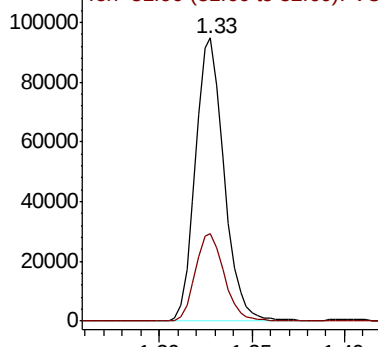
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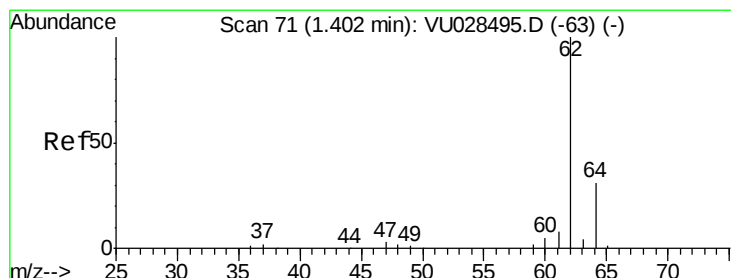
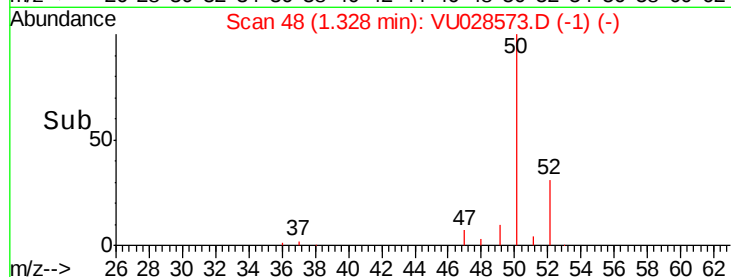


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 50.239 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028573.D

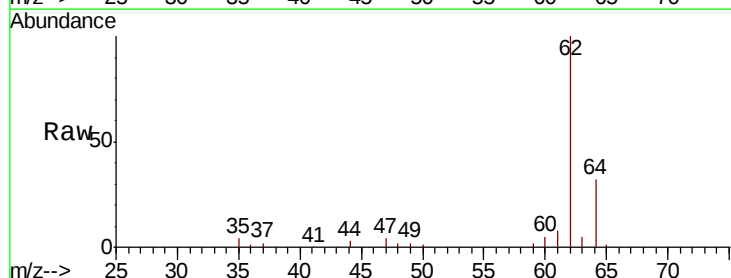
Acq: 11 Dec 2018 00:02

Tgt Ion: 62 Resp: 75285

Ion Ratio Lower Upper

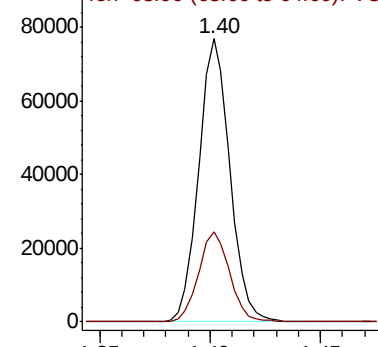
62 100

64 31.7 25.1 37.7

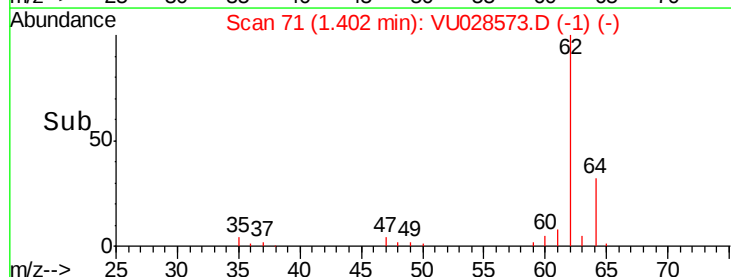


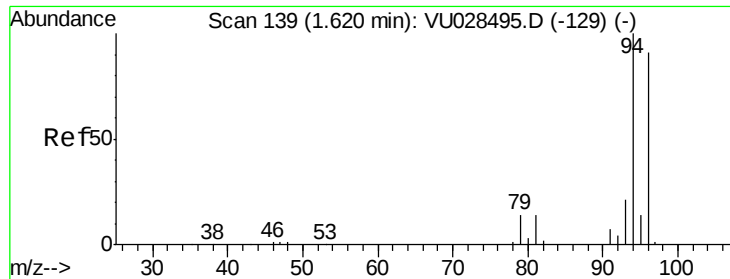
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 65.557 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 39573

Ion Ratio Lower Upper

94 100

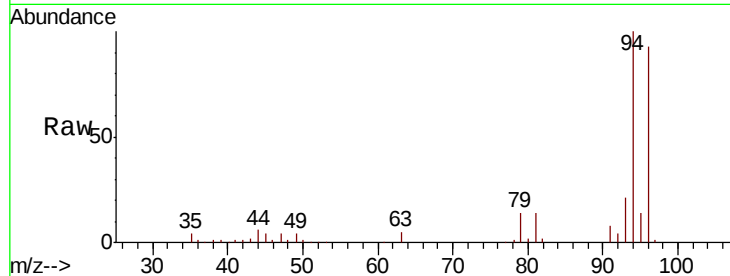
96 93.0 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

40000

30000

20000

10000

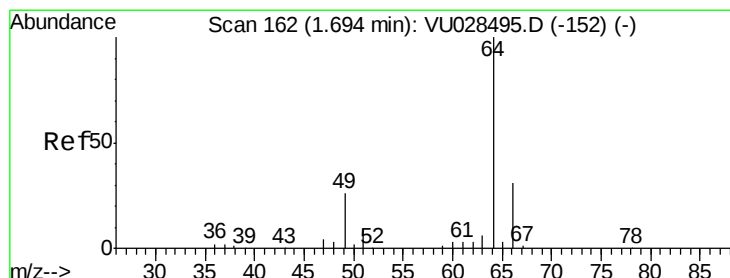
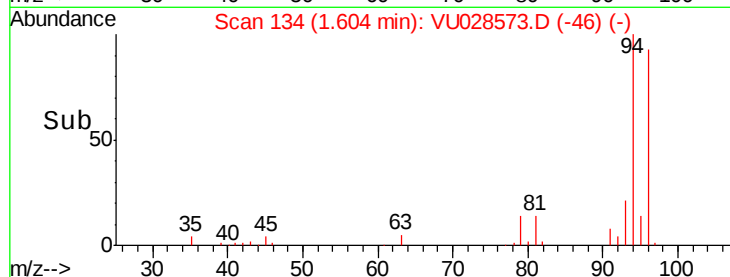
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Time-->

1.55

1.60

1.65



#6

Chloroethane

Concen: 49.991 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028573.D

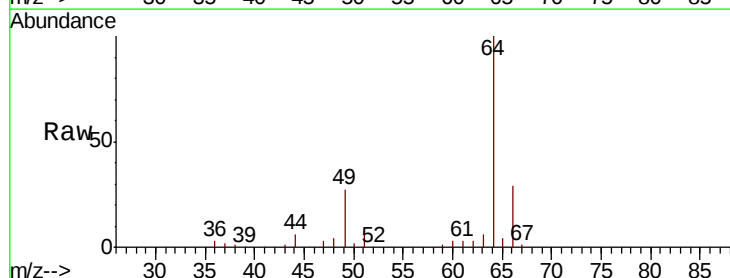
Acq: 11 Dec 2018 00:02

Tgt Ion: 64 Resp: 42411

Ion Ratio Lower Upper

64 100

66 29.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

40000

30000

20000

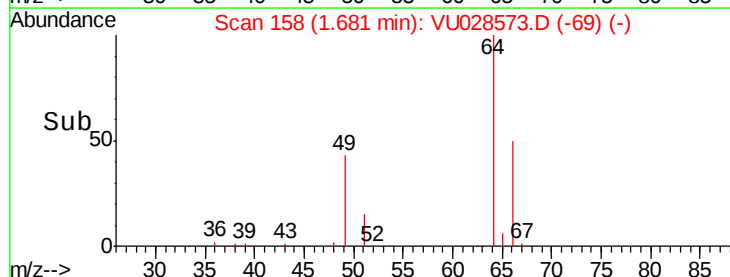
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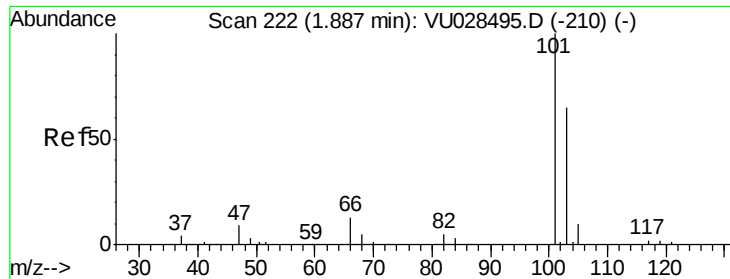
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Time-->

1.65

1.70





#7

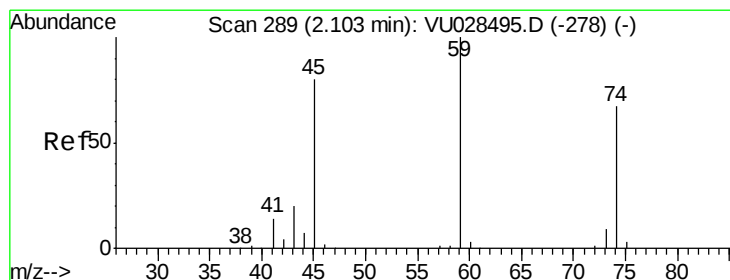
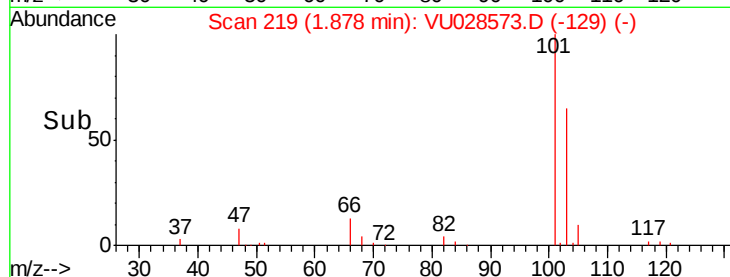
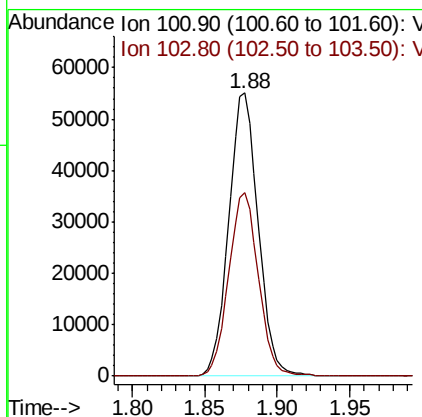
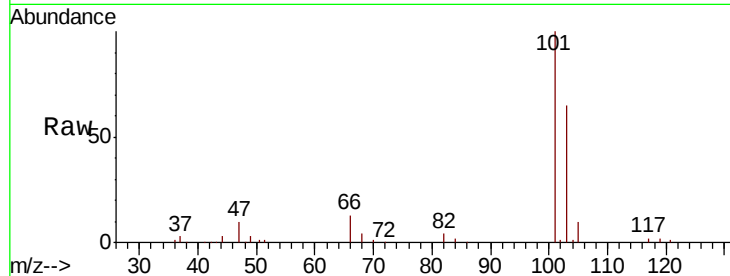
Trichlorofluoromethane
Concen: 49.060 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 77350
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

Manual Integrations
APPROVED

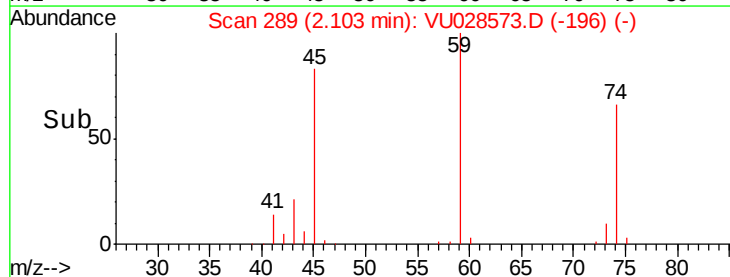
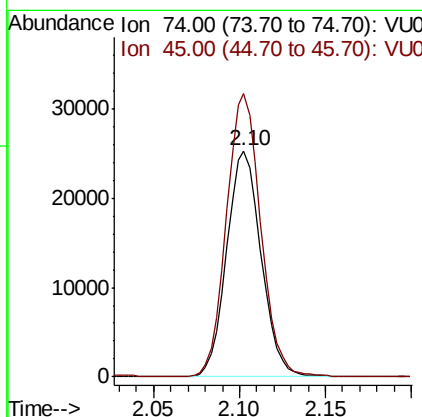
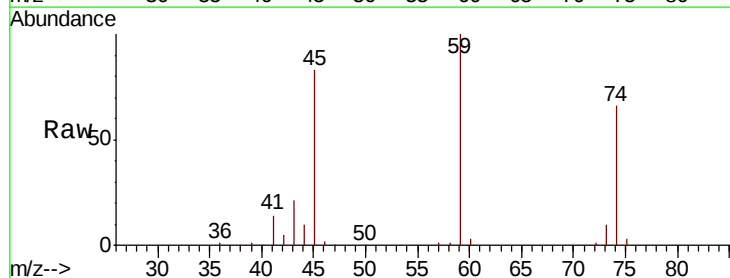
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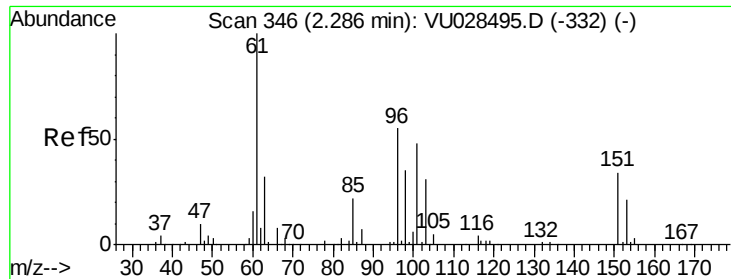


#8

Diethyl Ether
Concen: 47.668 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 74 Resp: 35162
Ion Ratio Lower Upper
74 100
45 125.3 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.517 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028573.D

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MSVOA_U

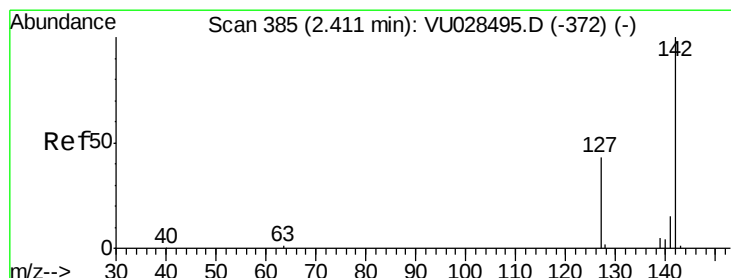
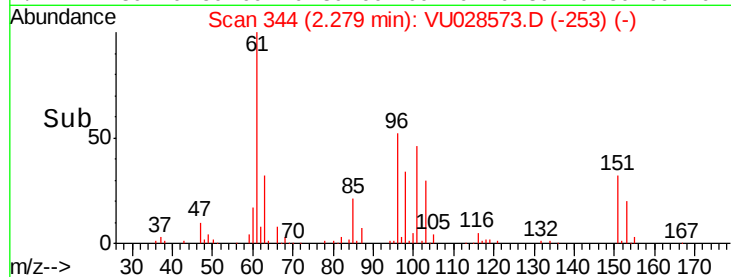
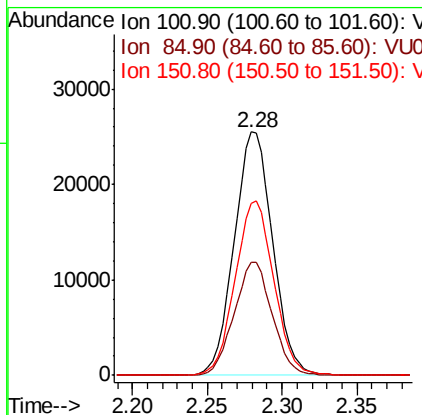
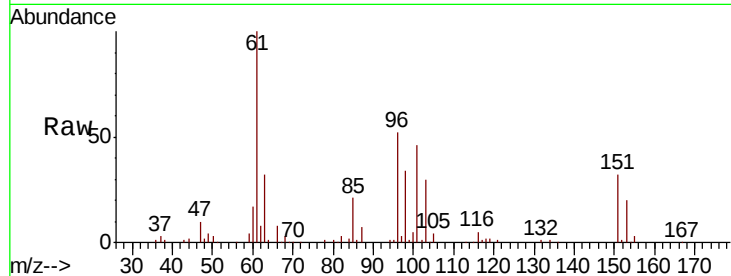
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	45749
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.4	54.6
151	71.8	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 54.936 ug/l

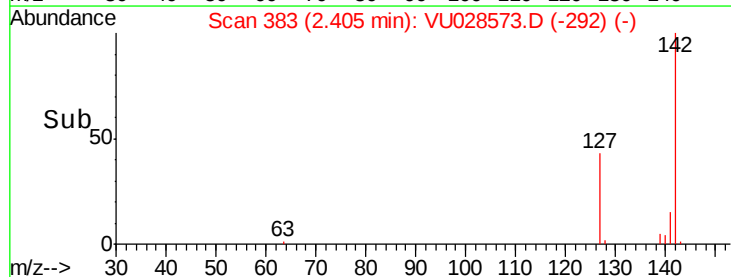
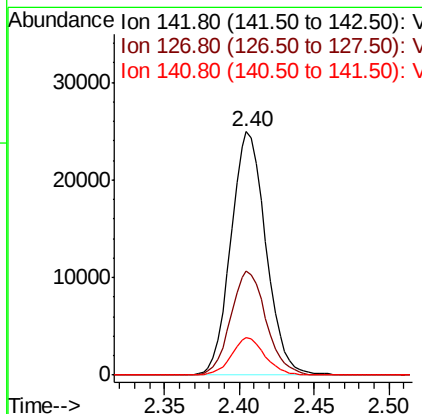
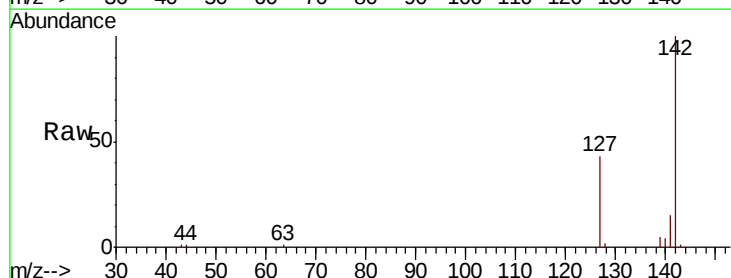
RT: 2.40 min Scan# 383

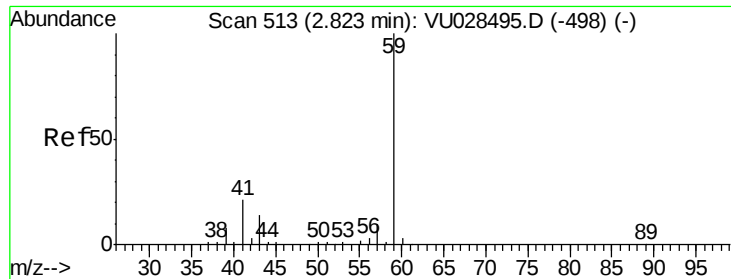
Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion:	142	Resp:	40646
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.5	50.3
141	14.4	11.2	16.8





#11

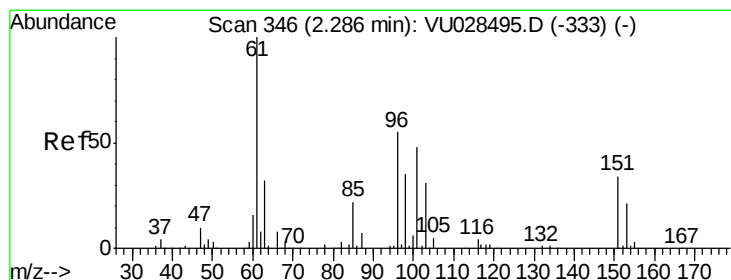
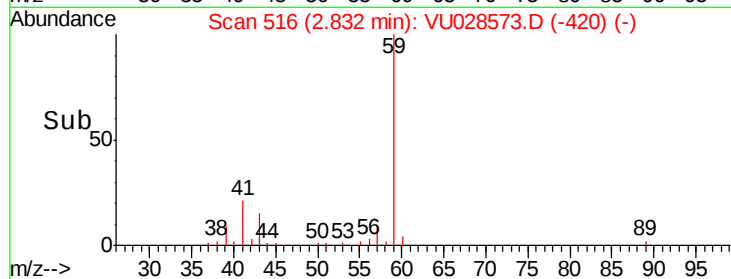
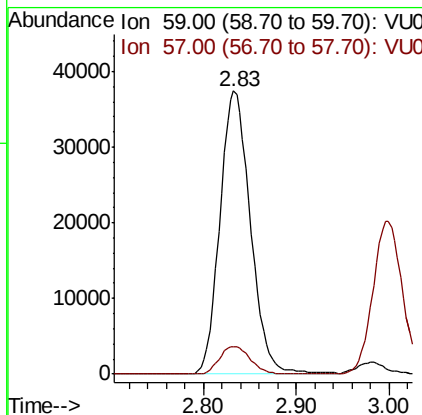
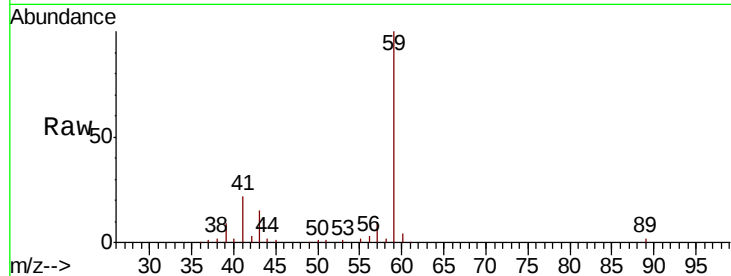
Tert butyl alcohol
 Concen: 298.249 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
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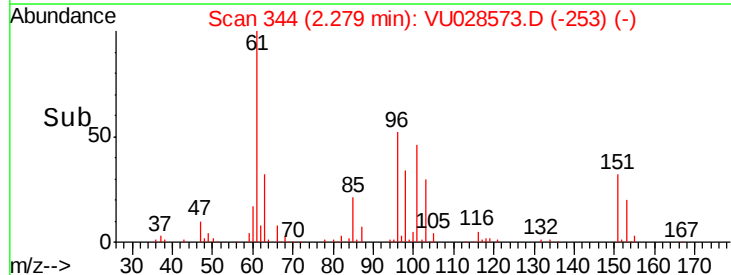
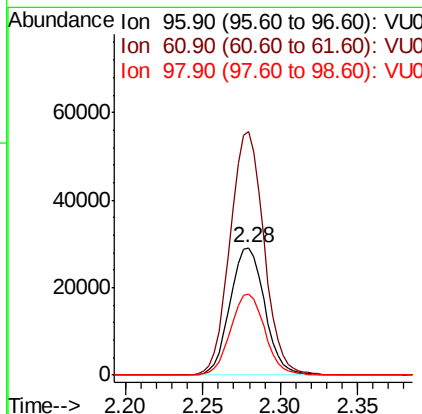
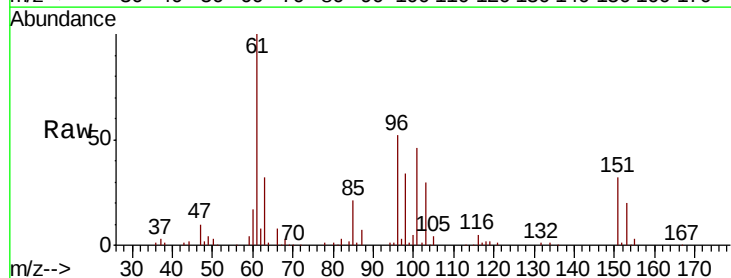
MMDadoda
 12/11/2018 12:10:24 PM

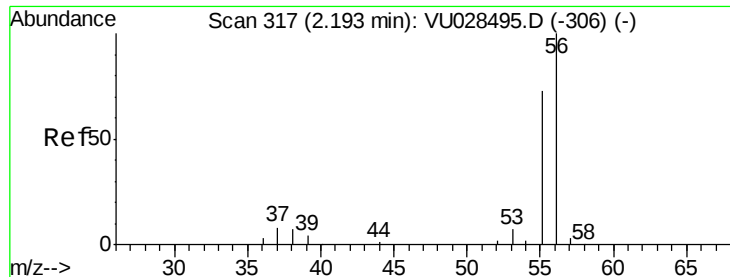


#12

1,1-Dichloroethene
 Concen: 48.143 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.6	146.4	219.6
98	63.9	51.8	77.8





#13

Acrolein

Concen: 256.113 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 58496

Ion Ratio Lower Upper

56 100

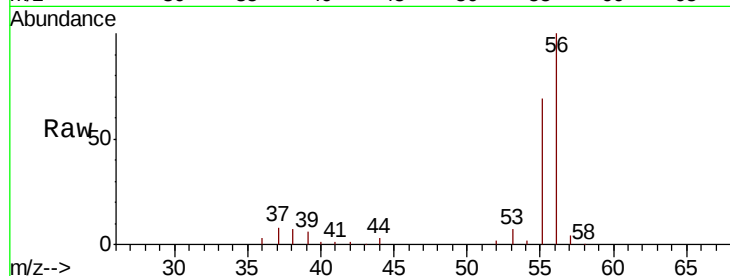
55 69.5 57.5 86.3

Manual Integrations

APPROVED

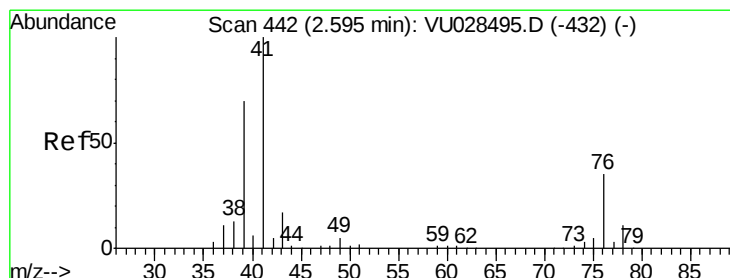
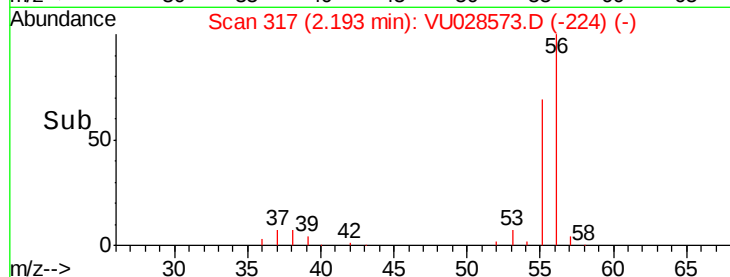
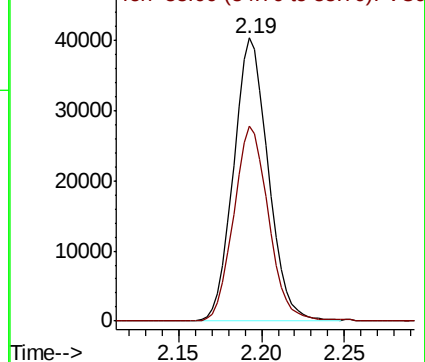
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 55.042 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

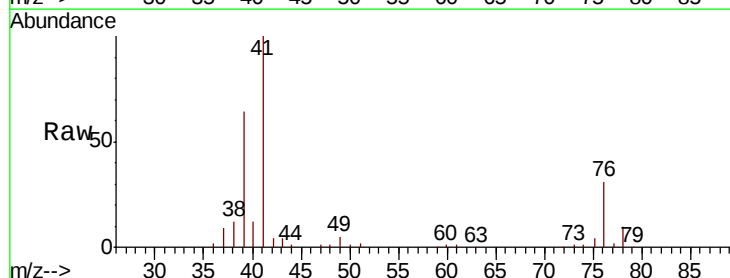
Tgt Ion: 41 Resp: 122165

Ion Ratio Lower Upper

41 100

39 57.3 50.8 76.2

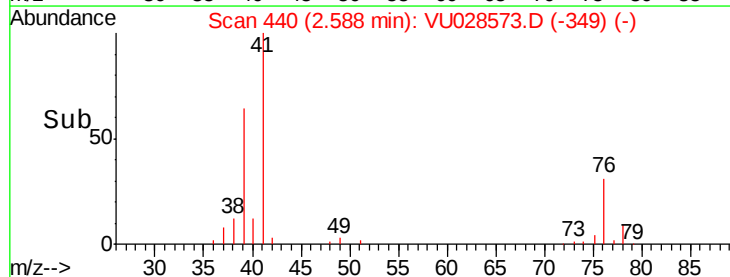
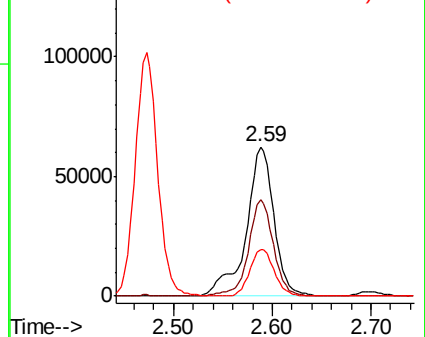
76 27.1 24.8 37.2

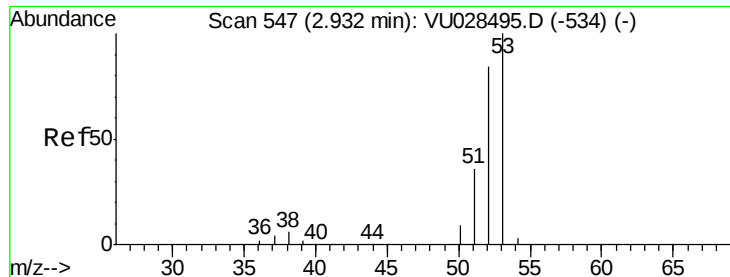


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 273.836 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

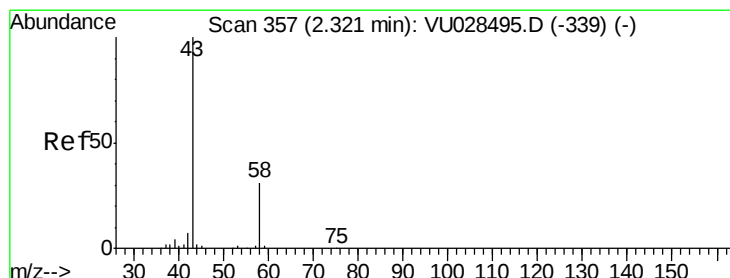
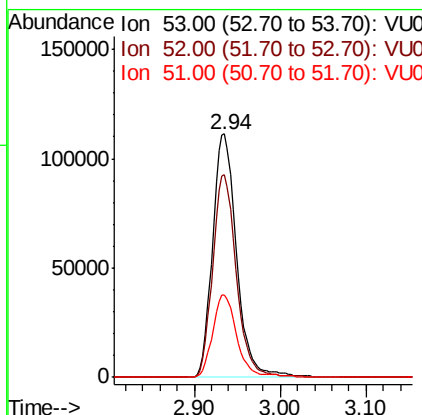
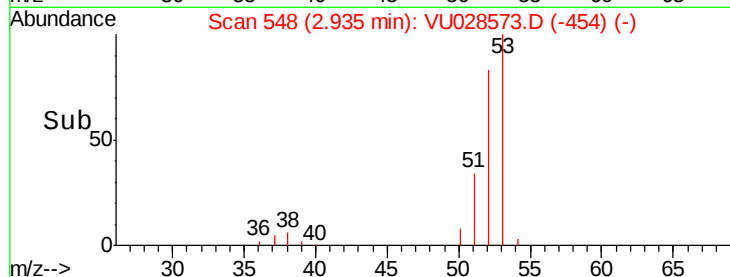
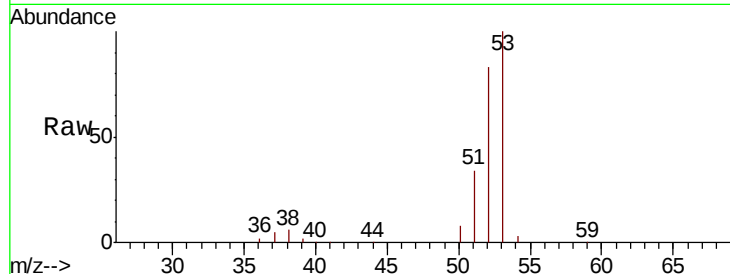
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	217817
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.1	99.1
51	33.3	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 211.529 ug/l

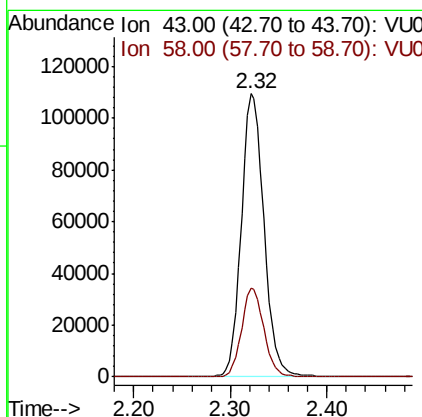
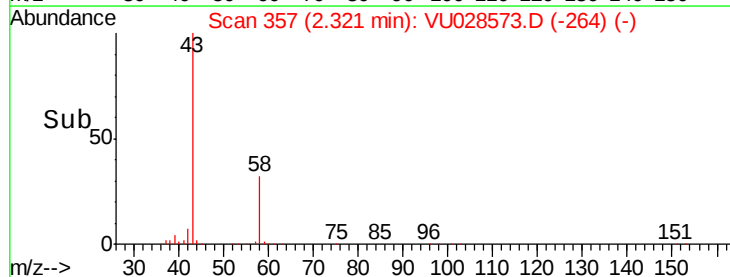
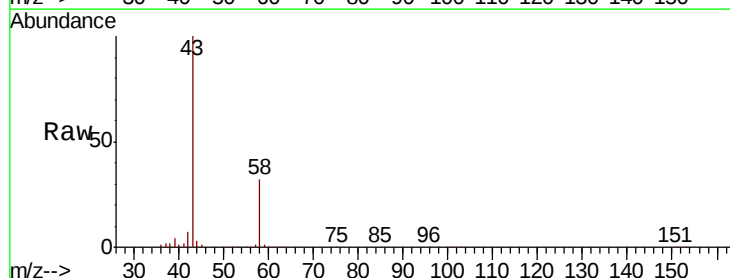
RT: 2.32 min Scan# 357

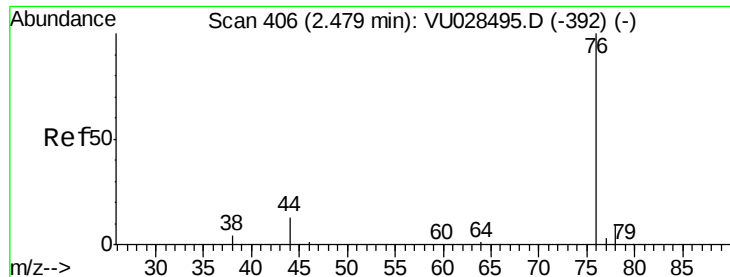
Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion:	43	Resp:	177503
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.6	37.0





#17

Carbon Disulfide

Concen: 47.699 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 161219

Ion Ratio Lower Upper

76 100

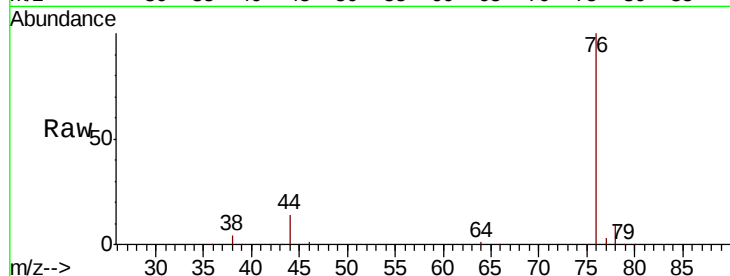
78 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:10:24 PM



Abundance Ion 75.90 (75.60 to 76.60): VU028495.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU028495.D (-392) (-)

2.47

120000

100000

80000

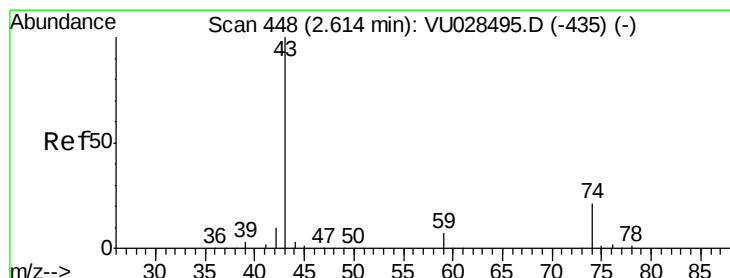
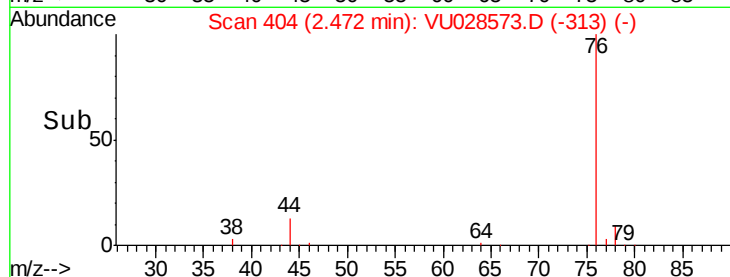
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 56.620 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028573.D

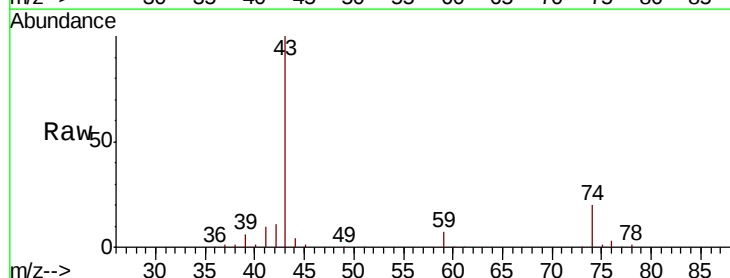
Acq: 11 Dec 2018 00:02

Tgt Ion: 43 Resp: 123165

Ion Ratio Lower Upper

43 100

74 19.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU028495.D (-435) (-)

2.61

80000

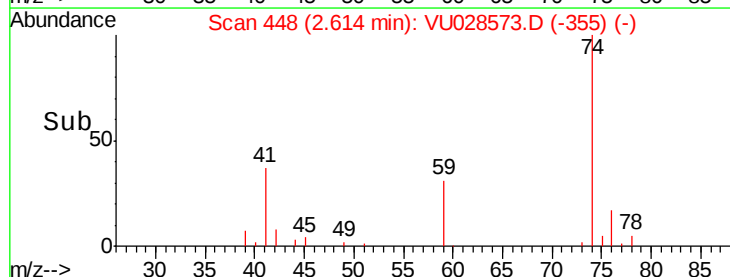
60000

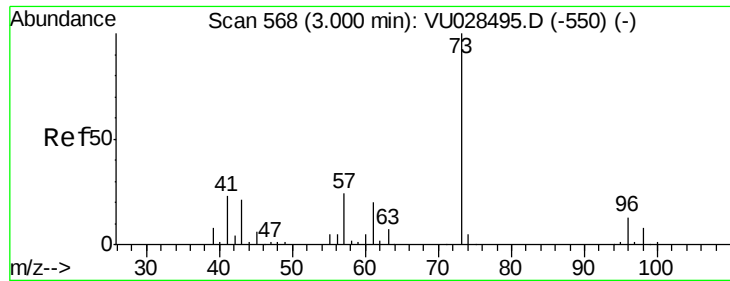
40000

20000

0

Time-->





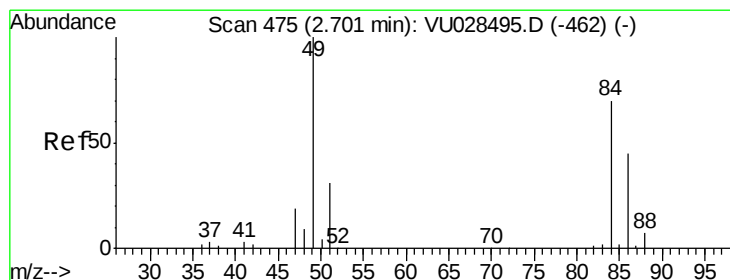
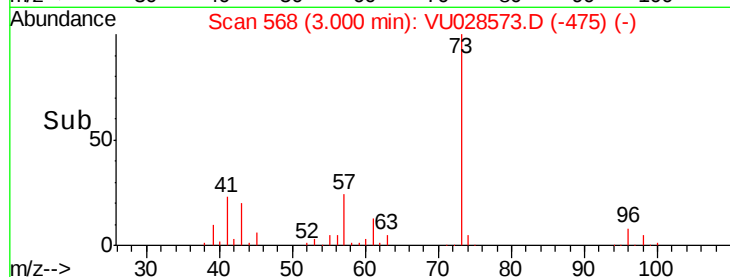
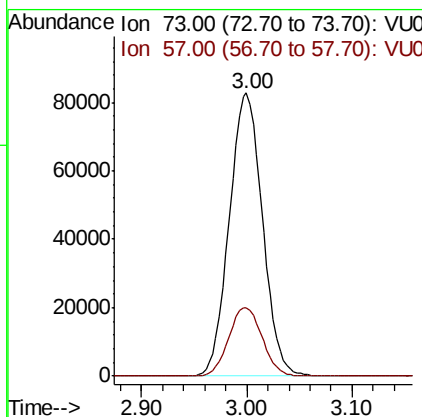
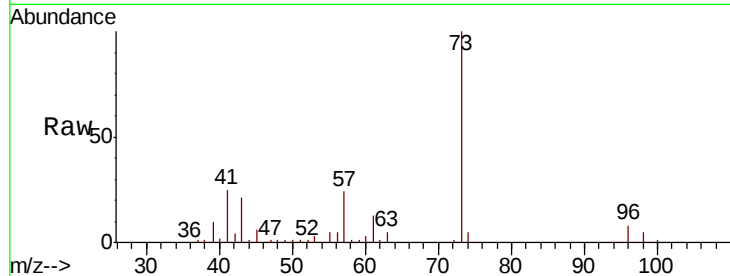
#19
Methyl tert-butyl Ether
Concen: 50.791 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.4	29.2

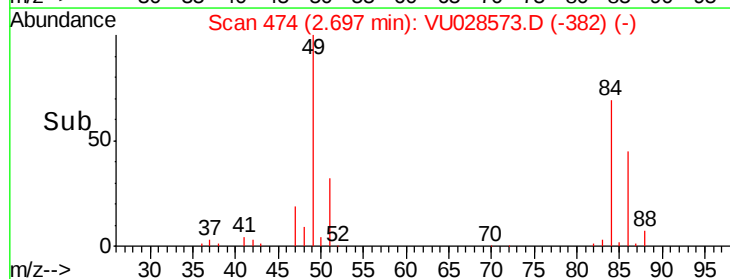
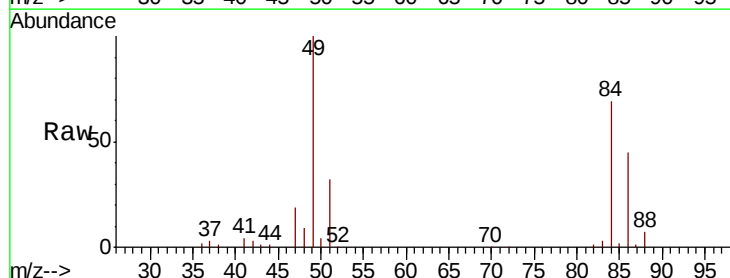
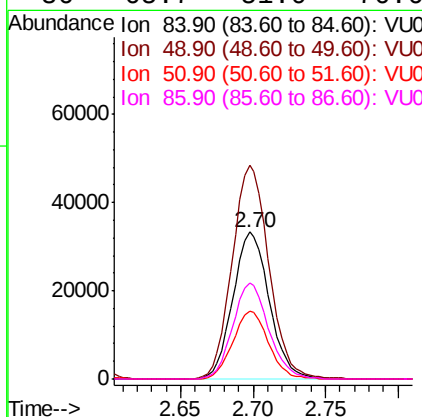
Manual Integrations
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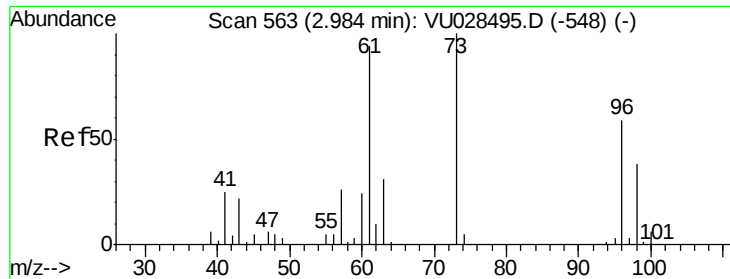
MMDadoda
12/11/2018 12:10:24 PM



#20
Methylene Chloride
Concen: 46.972 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.2	114.0	171.0
51	46.2	35.1	52.7
86	65.7	51.0	76.6





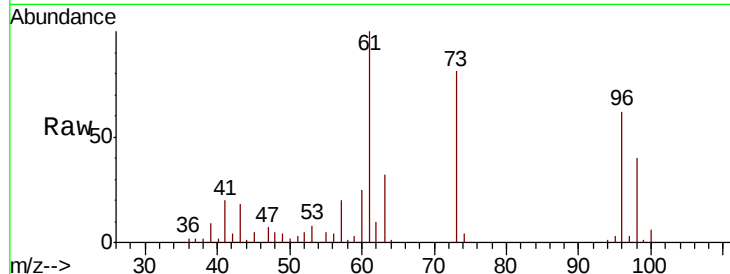
#21
trans-1,2-Dichloroethene
Concen: 48.307 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	127.0	190.4
98	63.8	51.9	77.9

Manual Integrations
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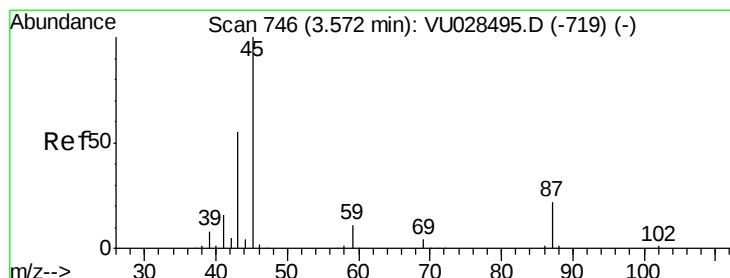
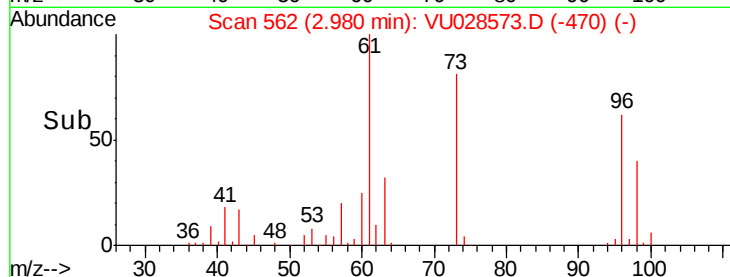
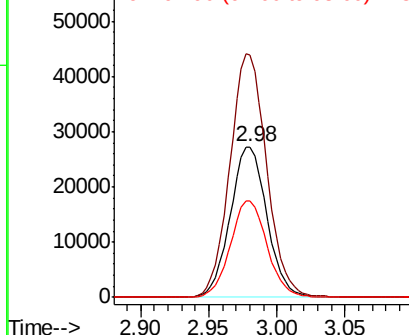


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22
Diisopropyl ether
Concen: 52.943 ug/l
RT: 3.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.5	45.3	67.9
87	21.3	17.6	26.4
59	11.0	8.8	13.2

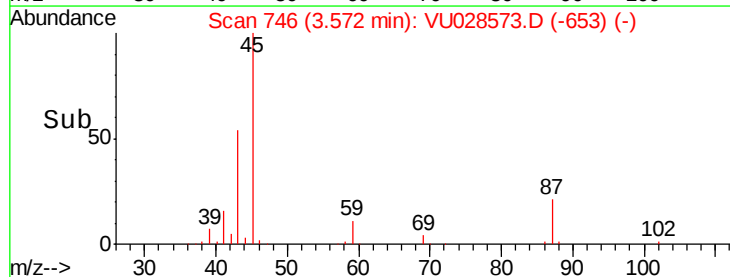
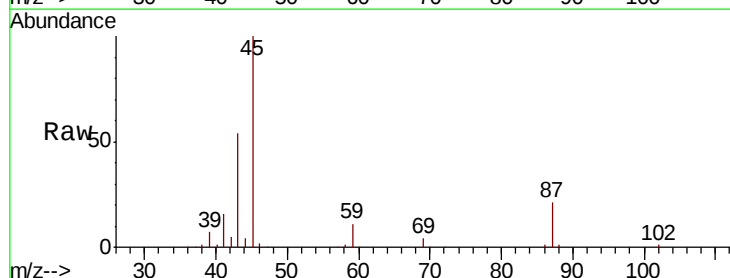
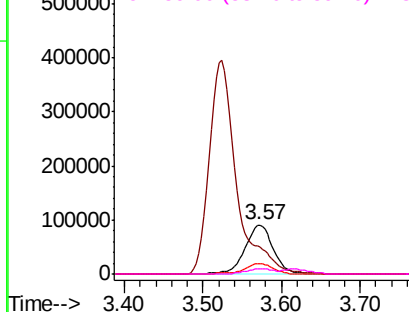
Abundance

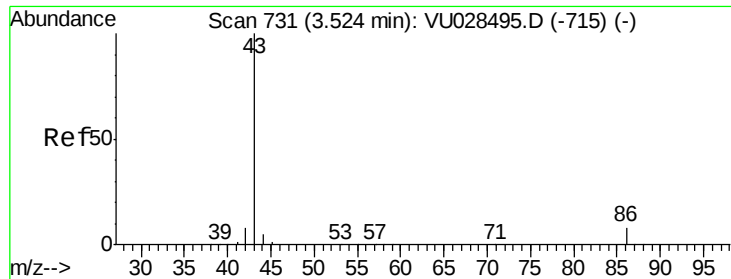
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 265.758 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 946136

Ion Ratio Lower Upper

43 100

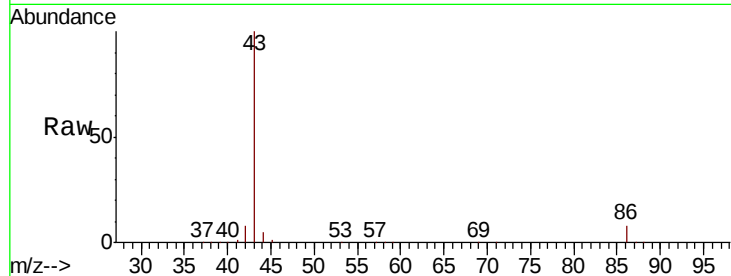
86 8.4 6.8 10.2

Manual Integrations

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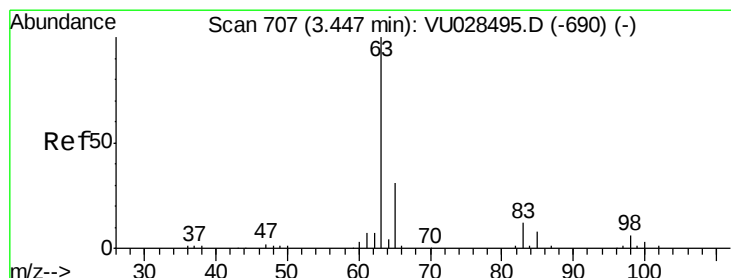
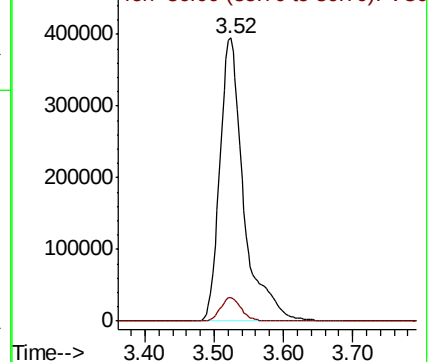
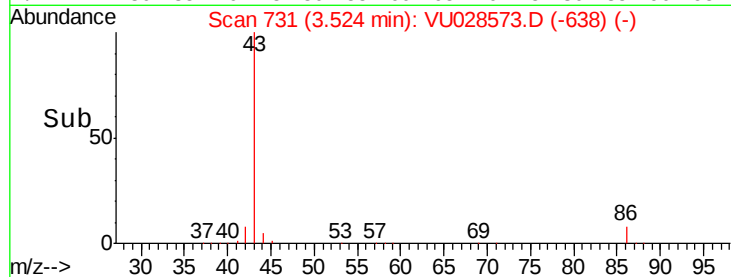
MMDadoda

12/11/2018 12:10:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028573.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028573.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 50.346 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

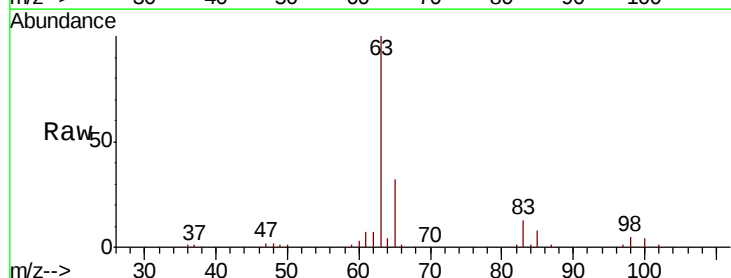
Tgt Ion: 63 Resp: 113747

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

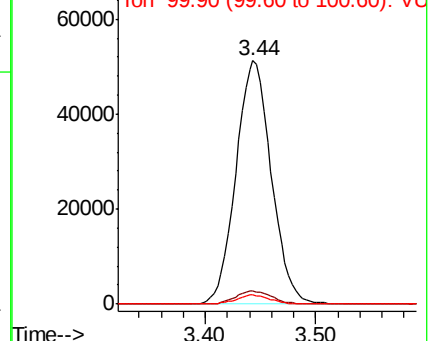
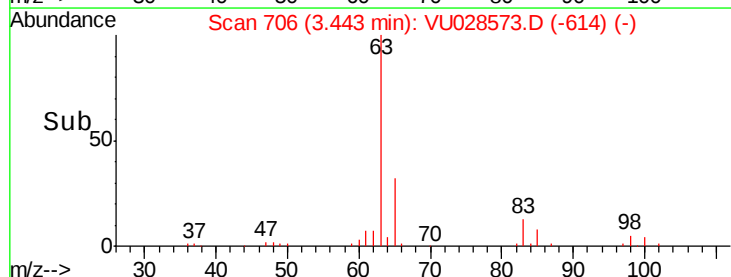
100 3.7 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028573.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028573.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028573.D (-614) (-)





#25

2-Butanone

Concen: 261.434 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 299806

Ion Ratio Lower Upper

43 100

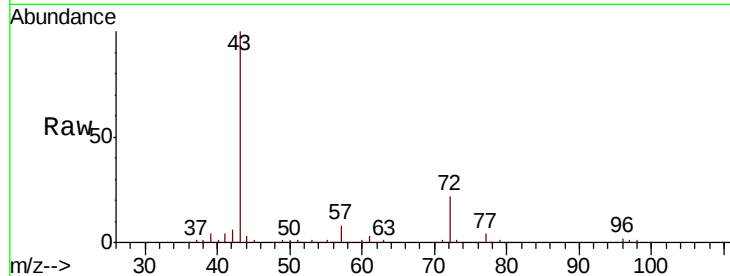
72 22.2 18.6 28.0

Manual Integrations

APPROVED

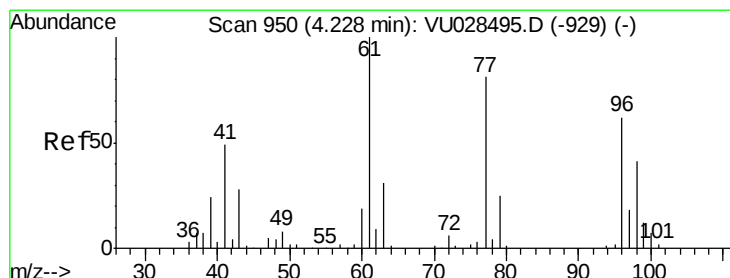
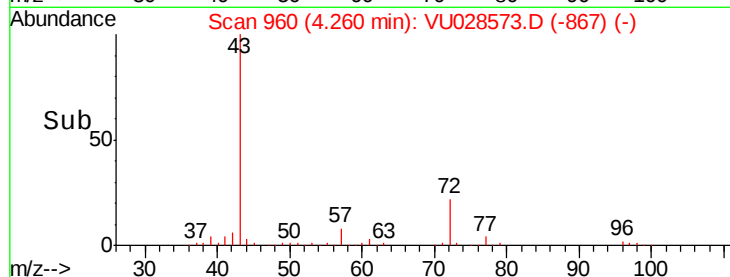
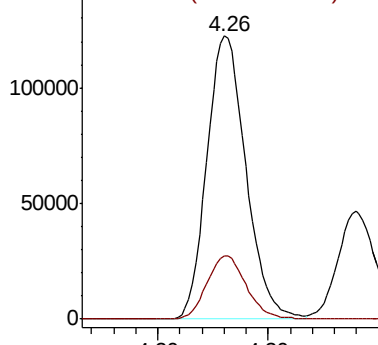
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 44.634 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028573.D

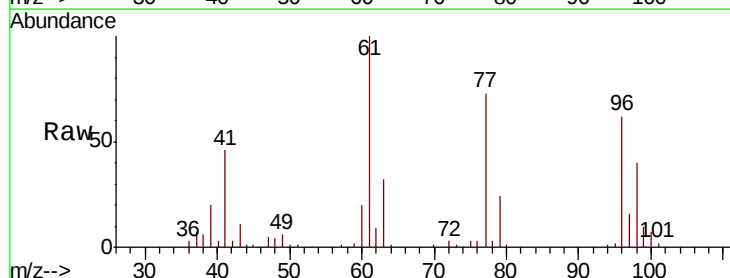
Acq: 11 Dec 2018 00:02

Tgt Ion: 77 Resp: 79903

Ion Ratio Lower Upper

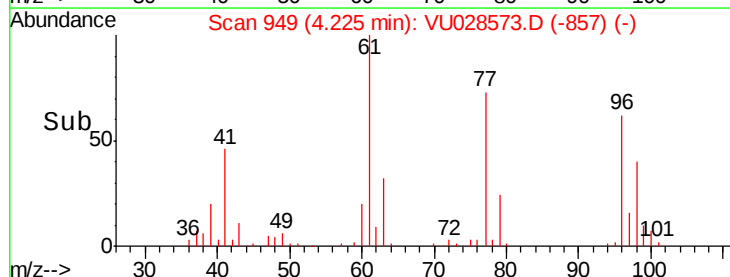
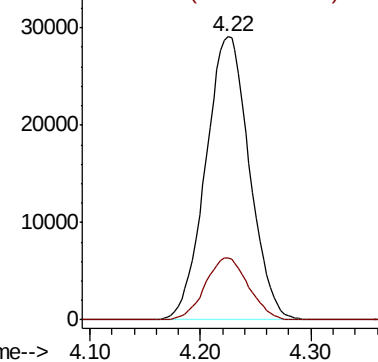
77 100

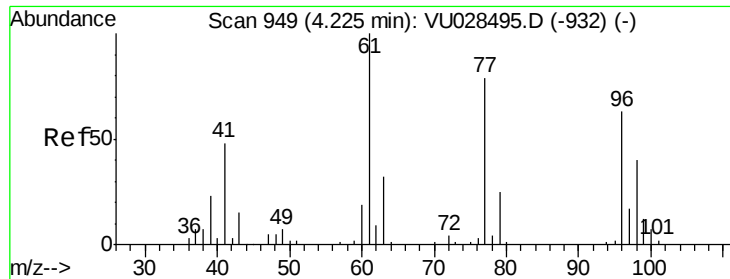
97 21.6 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

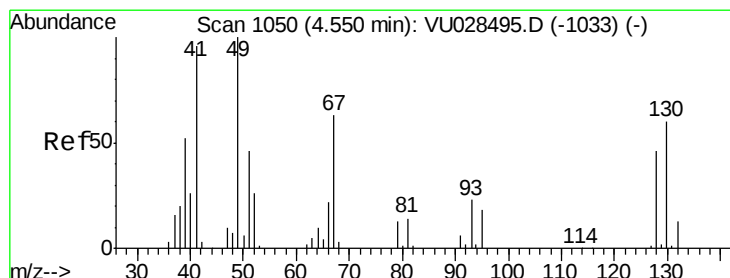
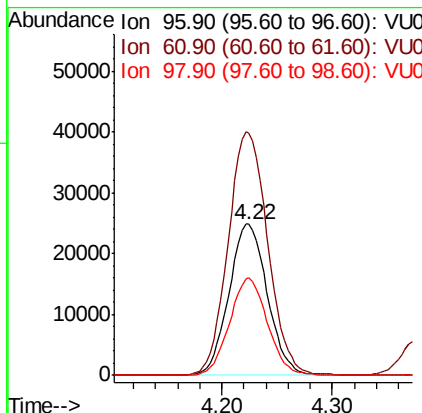
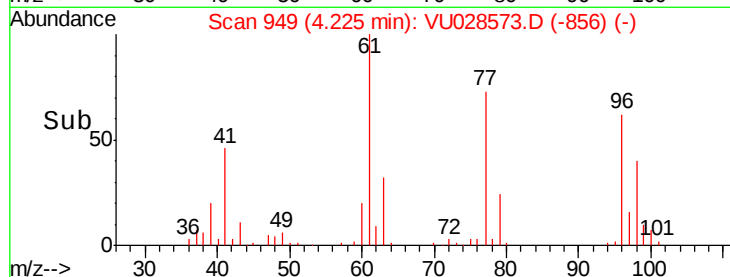
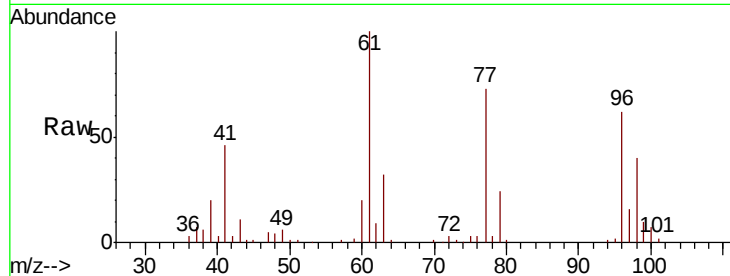
cis-1,2-Dichloroethene
Concen: 50.161 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	332.4
98	63.4	0.0	129.0

Manual Integrations
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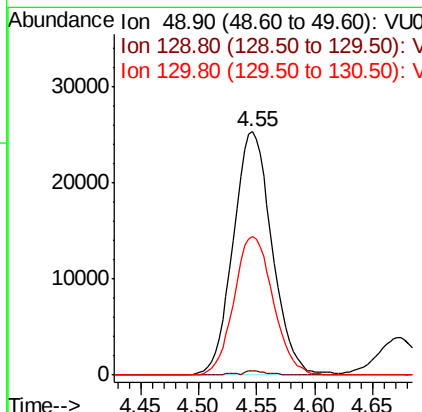
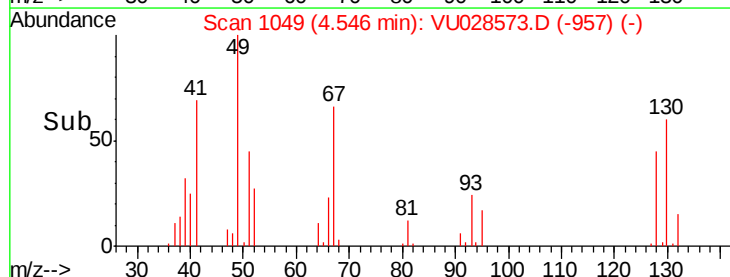
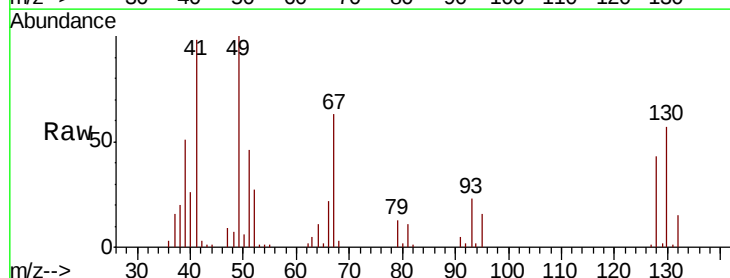
MMDadoda
12/11/2018 12:10:24 PM

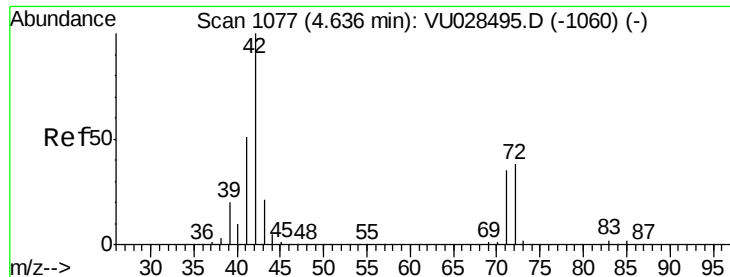


#28

Bromochloromethane
Concen: 57.427 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	57.4	47.8	71.8





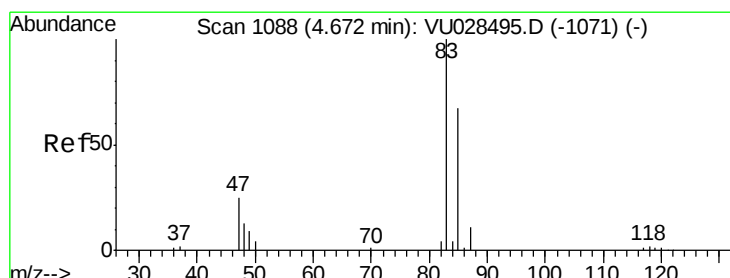
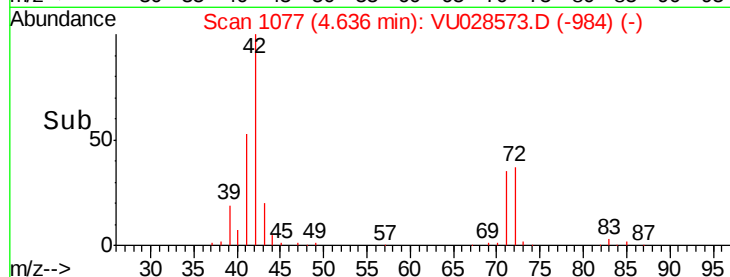
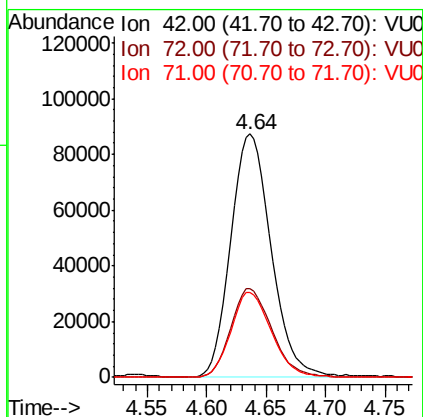
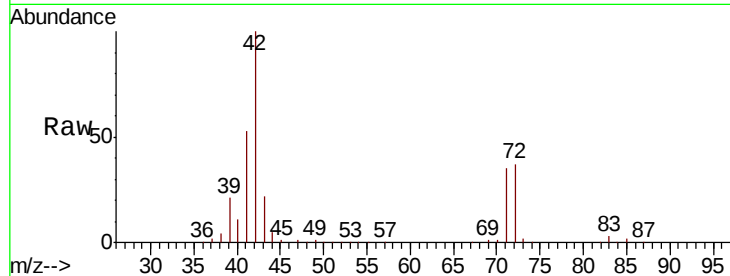
#29
Tetrahydrofuran
Concen: 279.415 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	31.4	47.0
71	35.1	28.6	43.0

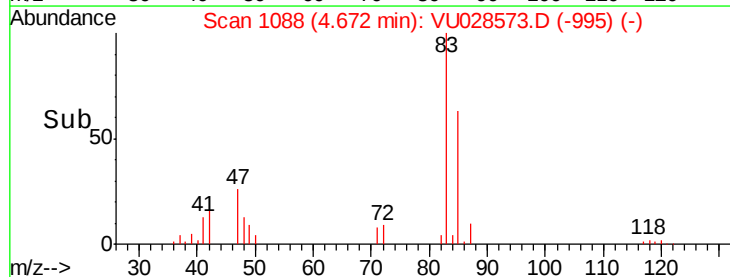
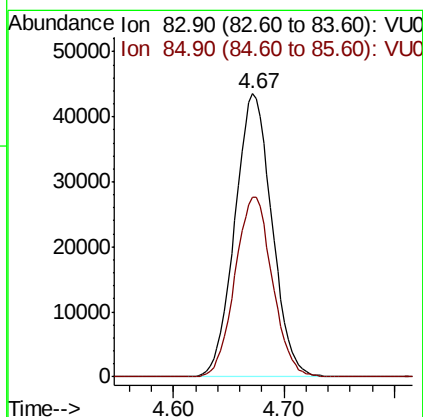
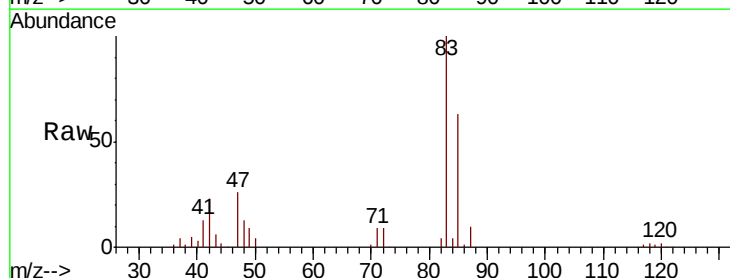
Manual Integrations
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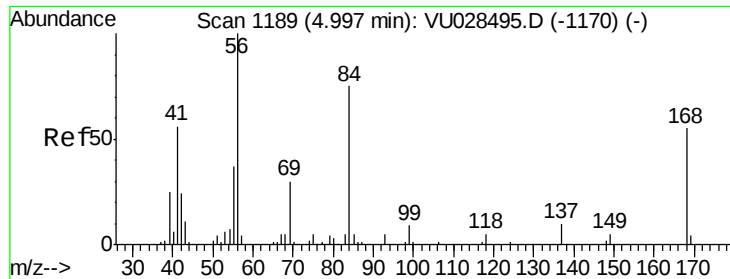
MMDadoda
12/11/2018 12:10:24 PM



#30
Chloroform
Concen: 51.452 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.6	80.4





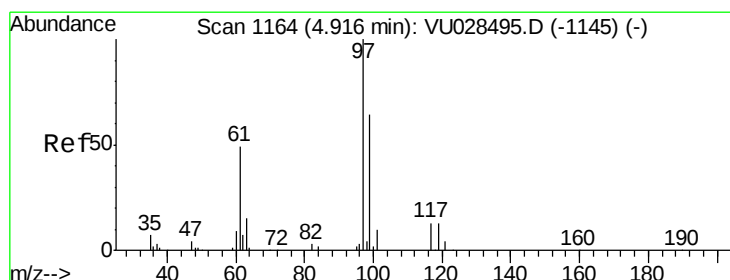
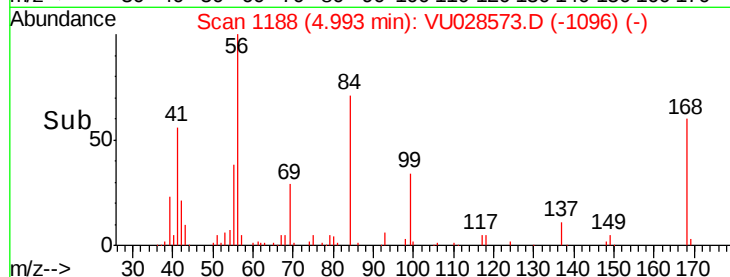
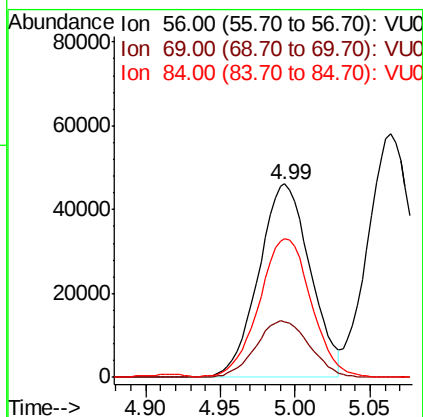
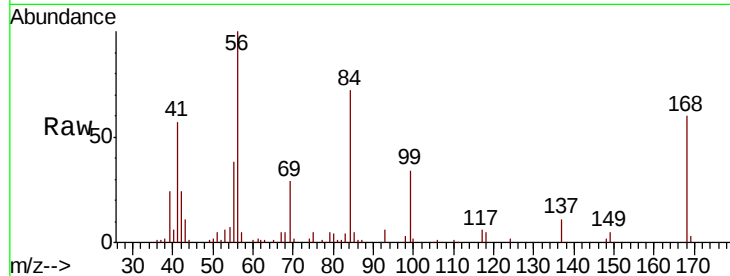
#31
Cyclohexane
Concen: 50.244 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.0	36.0
84	71.0	59.7	89.5

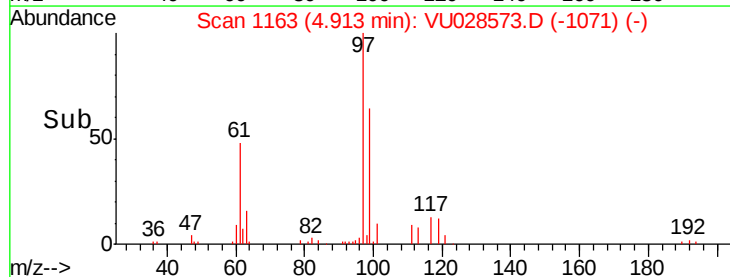
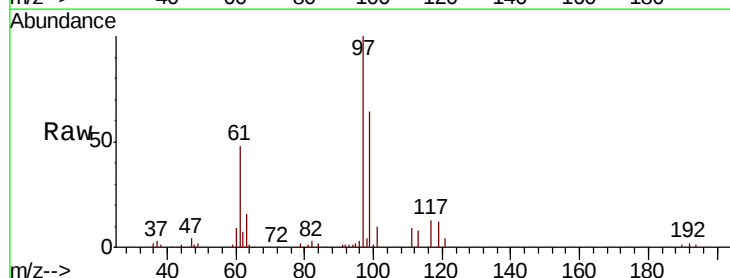
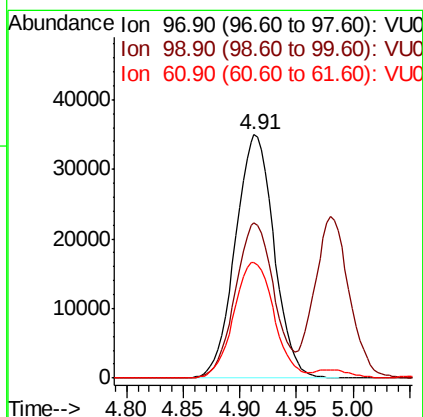
Manual Integrations
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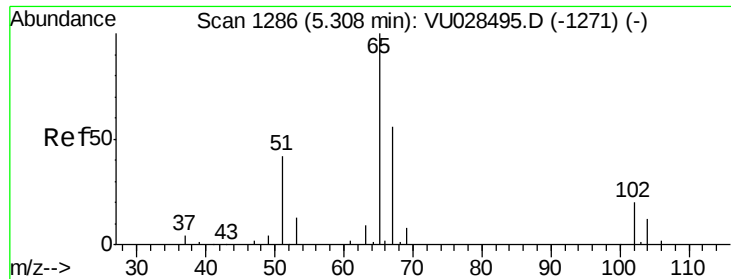
MMDadoda
12/11/2018 12:10:24 PM



#32
1,1,1-Trichloroethane
Concen: 50.929 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	49.4	39.0	58.6





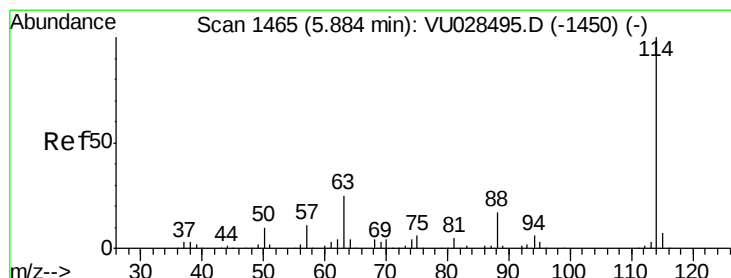
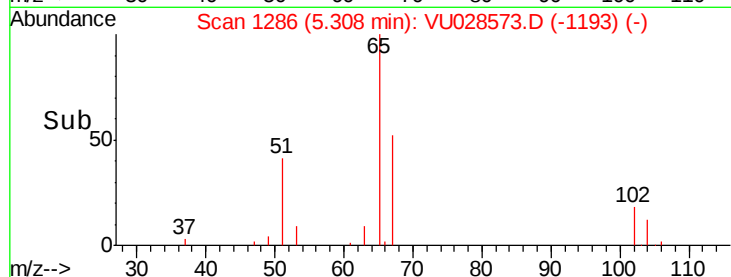
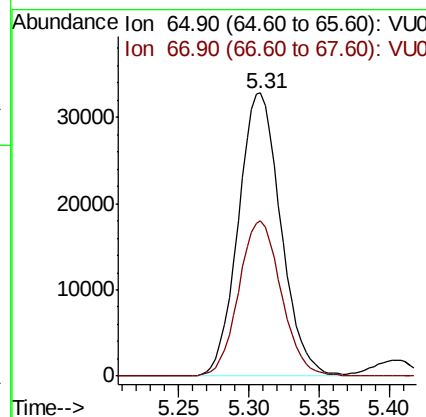
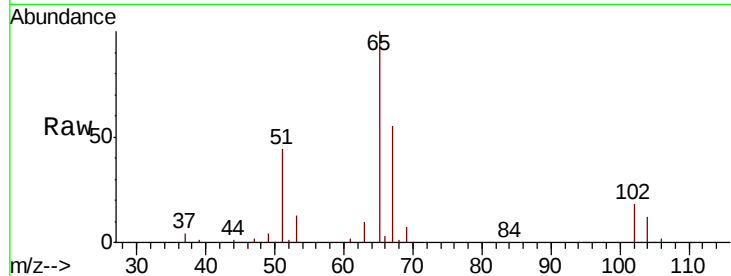
#33
 1,2-Dichloroethane-d4
 Concen: 53.874 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.6

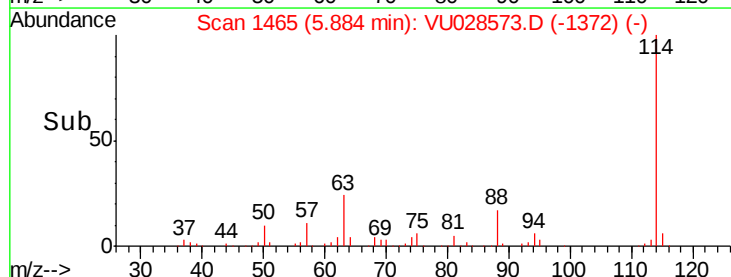
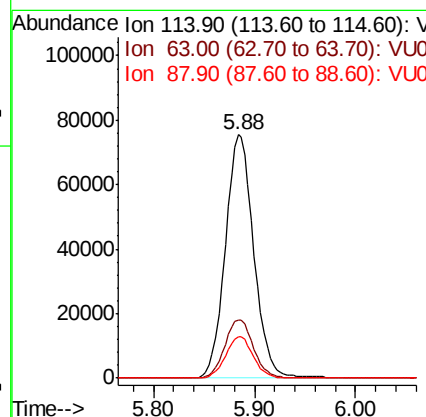
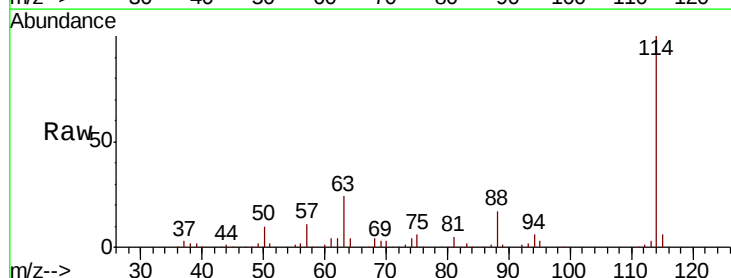
Manual Integrations
 APPROVED

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 12/11/2018 12:10:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	16.9	0.0	33.4





#35

Dibromofluoromethane

Concen: 54.452 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

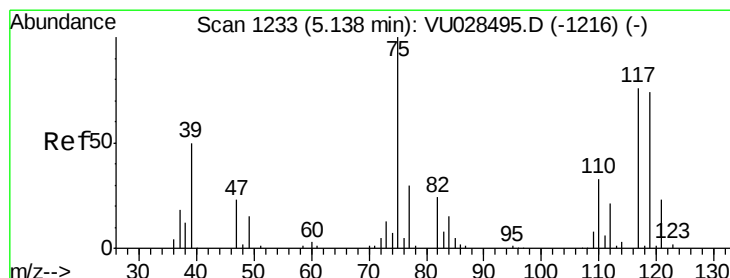
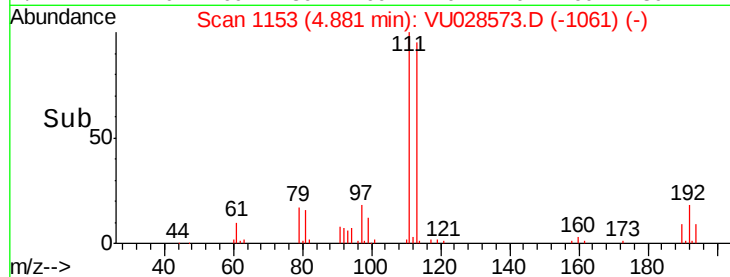
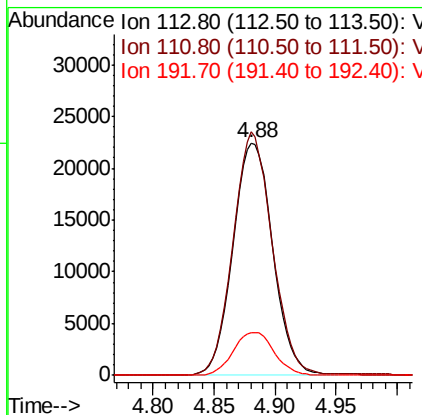
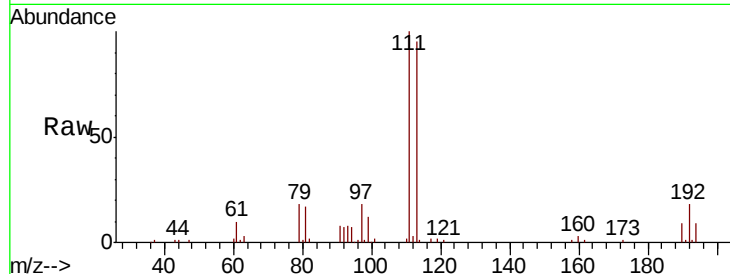
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	50770
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.0
192	18.8	14.8	22.2

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12/11/2018 12:10:24 PM



#36

1,1-Dichloropropene

Concen: 49.536 ug/l

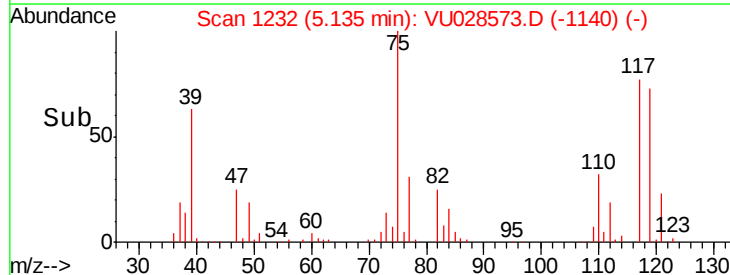
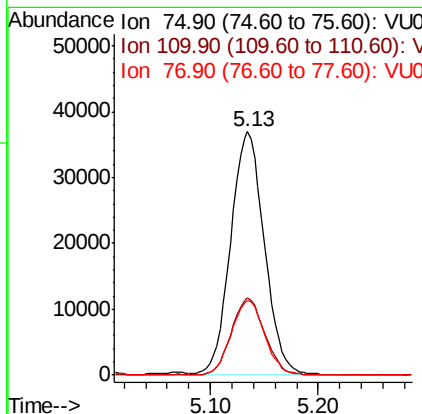
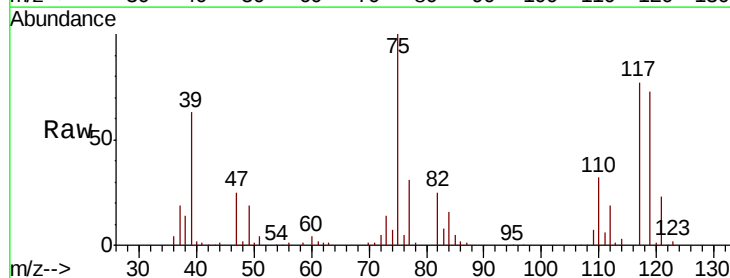
RT: 5.13 min Scan# 1232

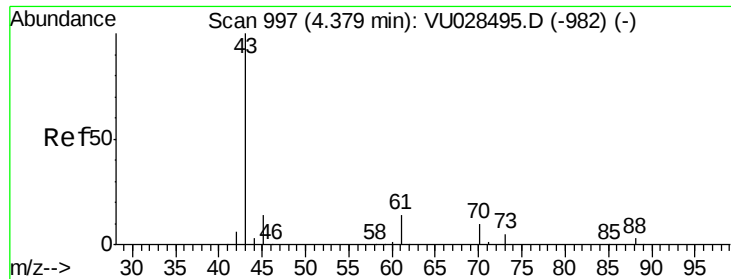
Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion:	75	Resp:	80312
Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.1	48.2
77	30.5	24.5	36.7





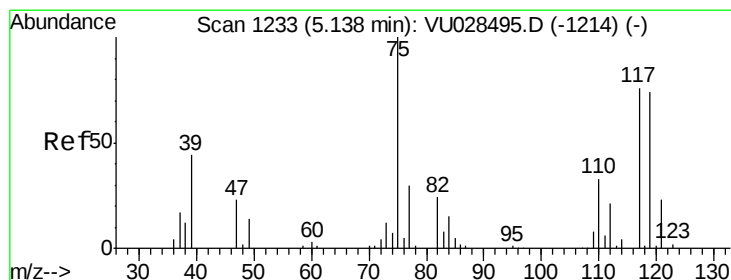
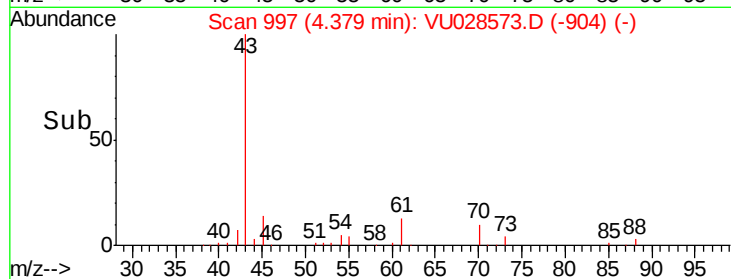
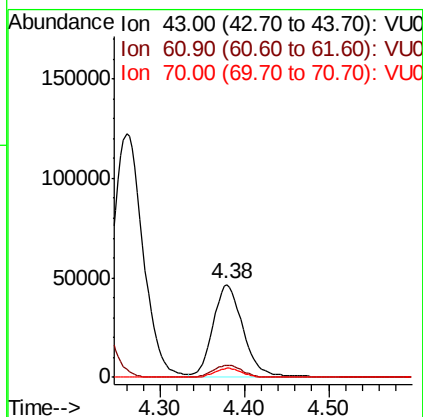
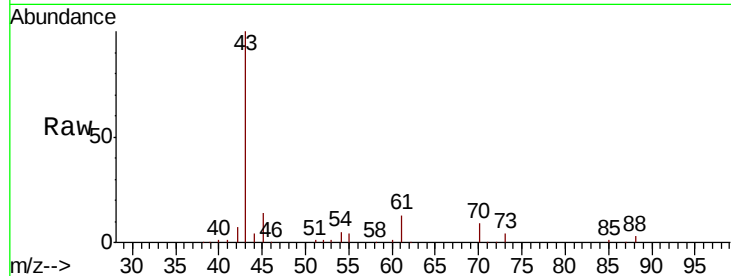
#37
Ethyl Acetate
Concen: 54.415 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	8.9	7.4	11.0

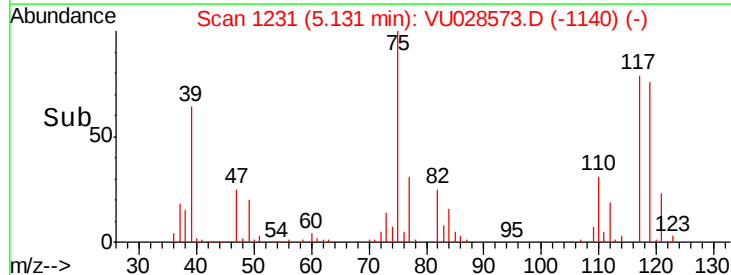
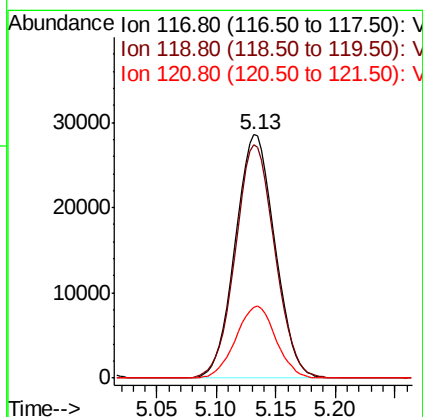
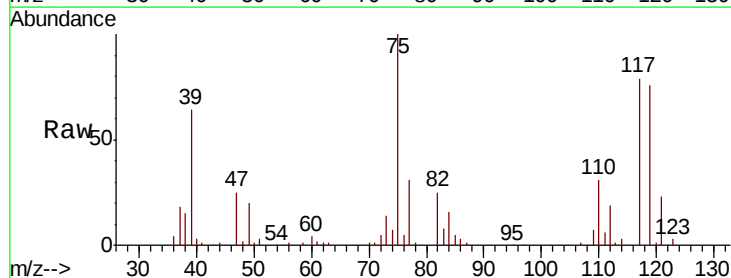
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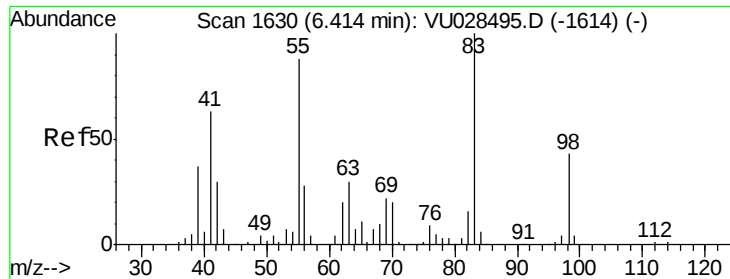
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12/11/2018 12:10:24 PM



#38
Carbon Tetrachloride
Concen: 50.467 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.6	116.4
121	29.3	24.6	36.8





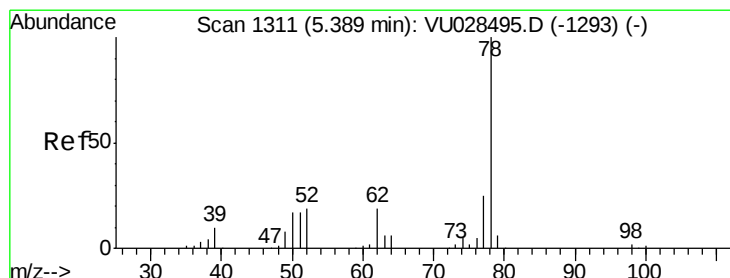
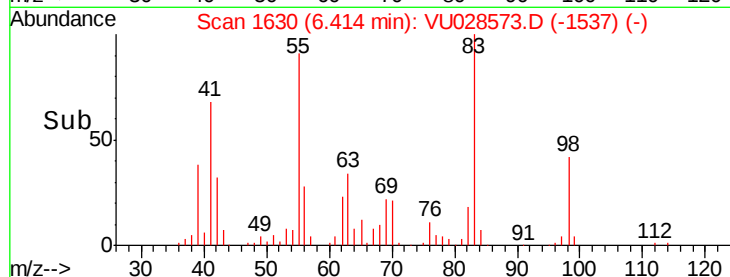
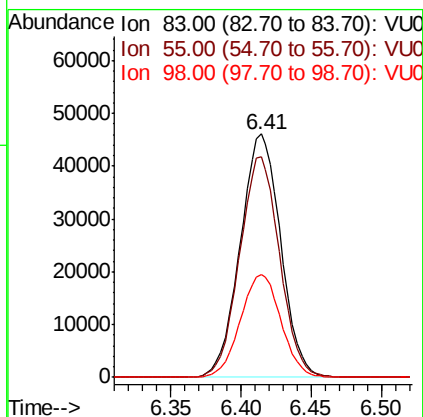
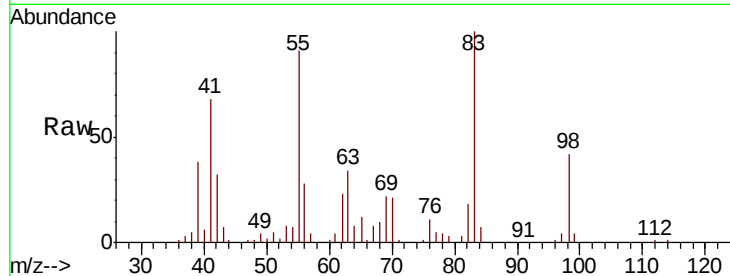
#39
Methvlcvclohexane
Concen: 46.654 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	92280
Ion Ratio	100	Lower	Upper
83	100		
55	90.7	70.2	105.2
98	42.2	34.2	51.4

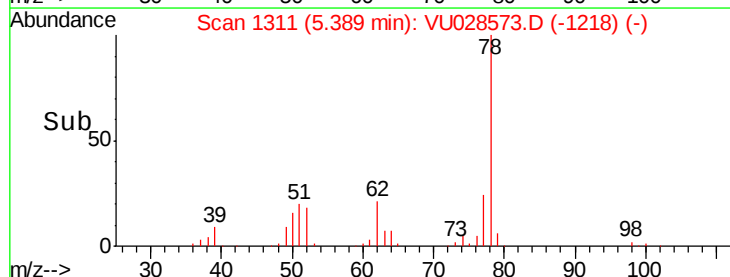
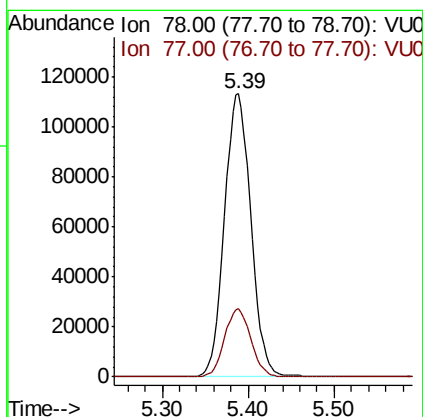
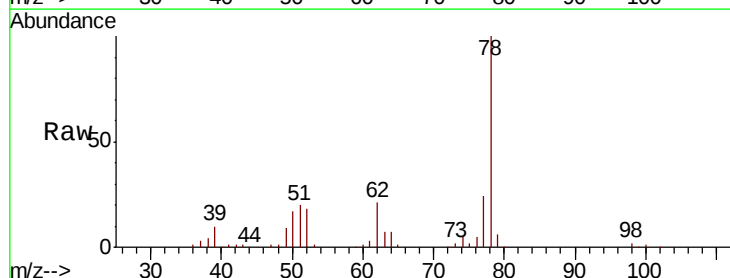
Manual Integrations
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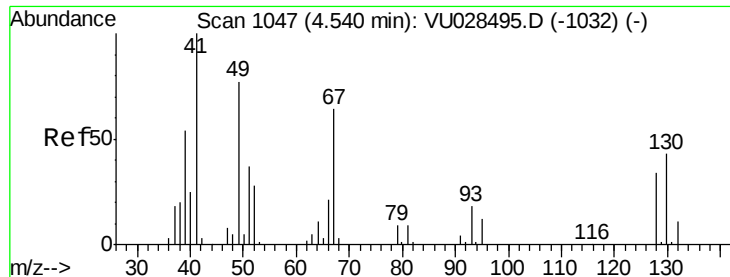
MMDadoda
12/11/2018 12:10:24 PM



#40
Benzene
Concen: 50.696 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	78	Resp	242075
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.9	29.9





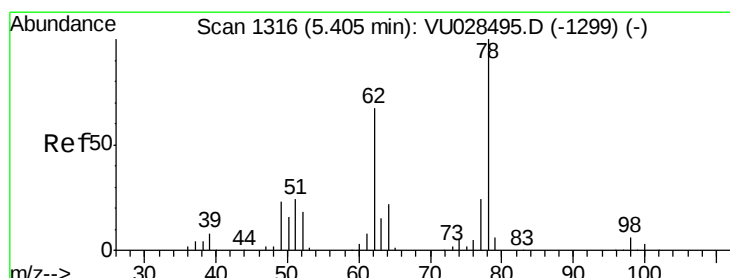
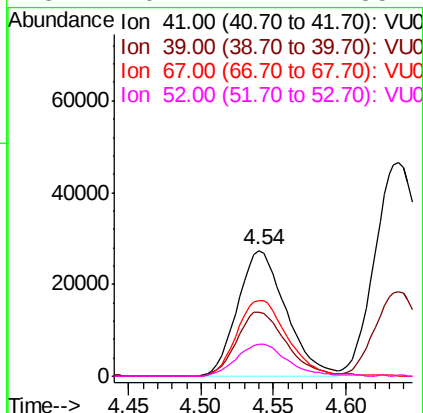
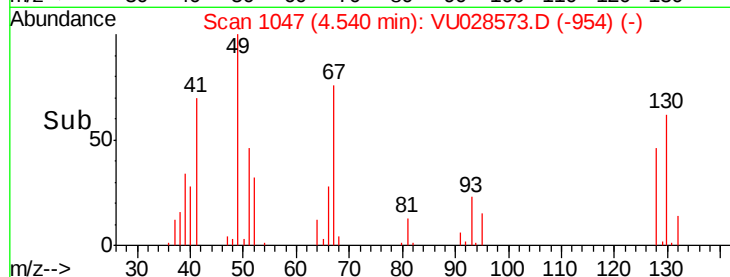
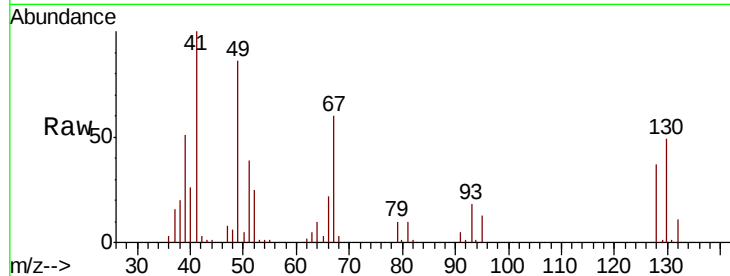
#41
Methacrylonitrile
Concen: 55.386 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	63571
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	63.5	53.6	80.4
52	26.7	22.1	33.1

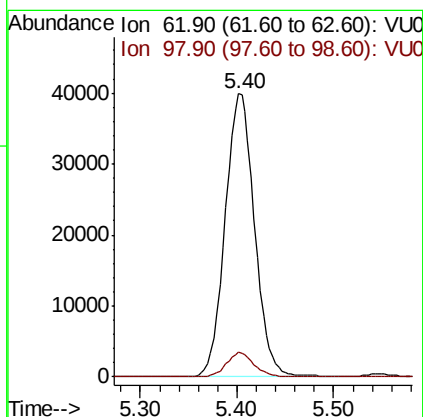
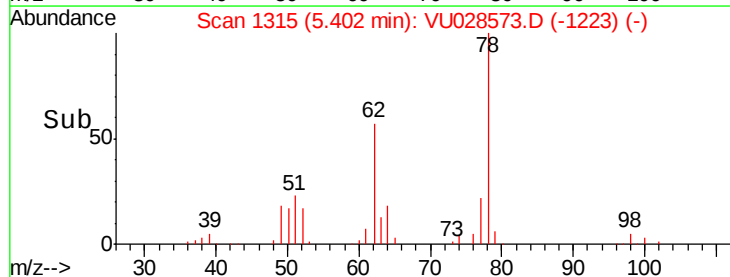
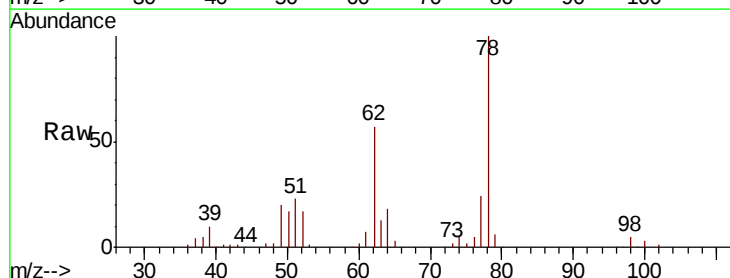
Manual Integrations
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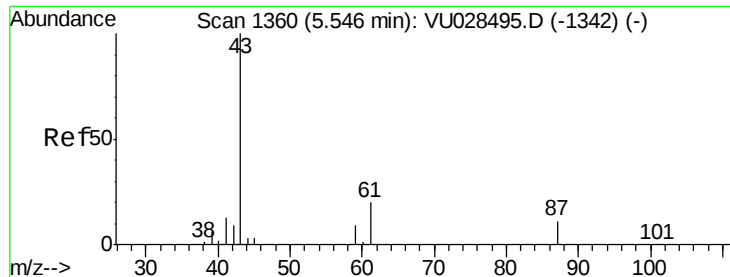
MMDadoda
12/11/2018 12:10:24 PM



#42
1,2-Dichloroethane
Concen: 50.435 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:	62	Resp:	84299
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2





#43

Isopropyl Acetate

Concen: 54.104 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

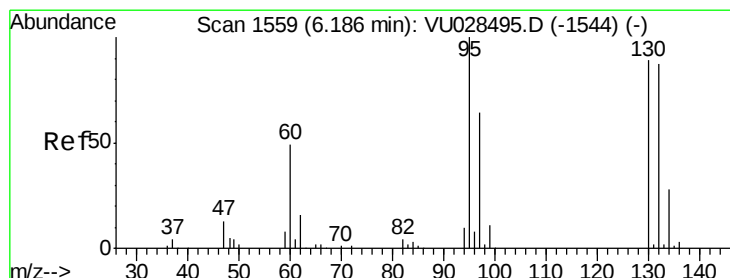
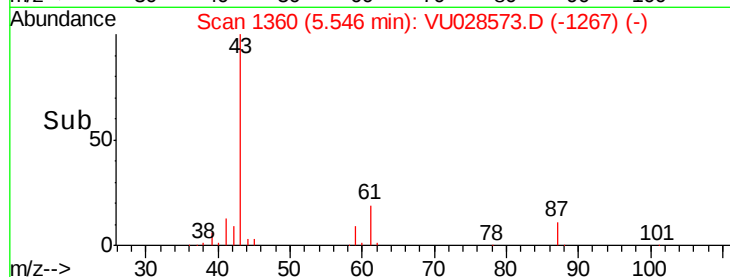
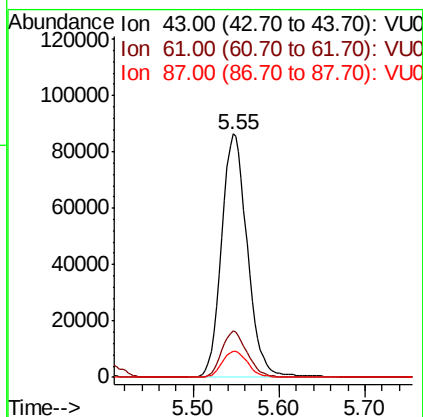
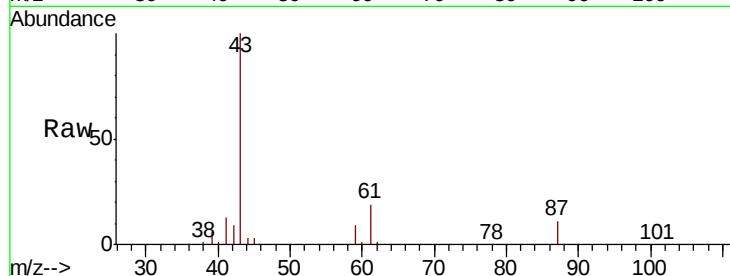
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179356
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.5	23.3
87	10.6	8.7	13.1

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12/11/2018 12:10:24 PM



#44

Trichloroethene

Concen: 50.613 ug/l

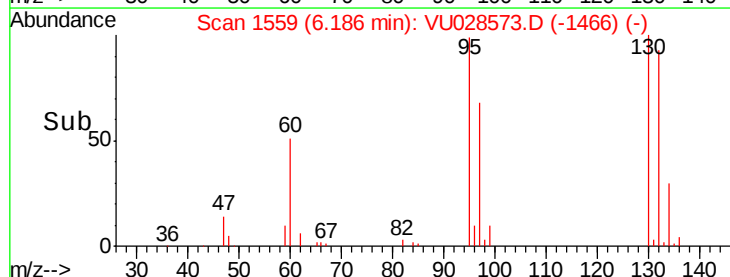
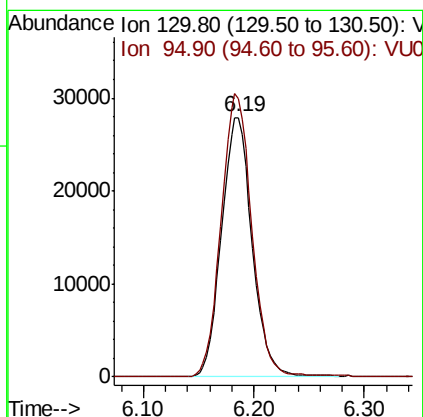
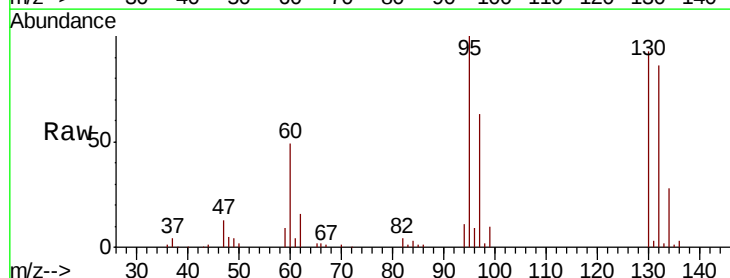
RT: 6.19 min Scan# 1559

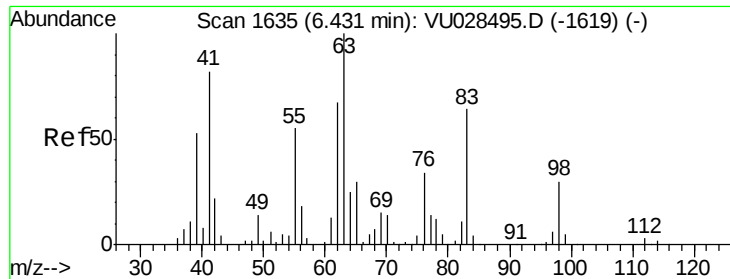
Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion:	130	Resp:	53737
Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	224.0





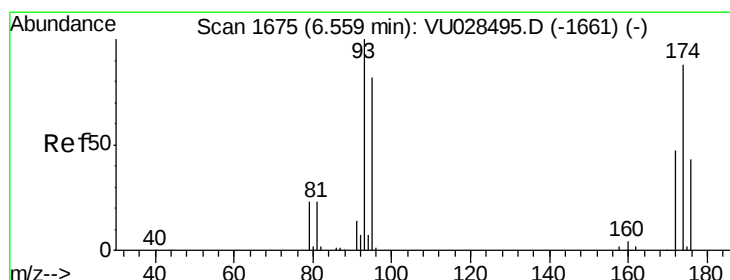
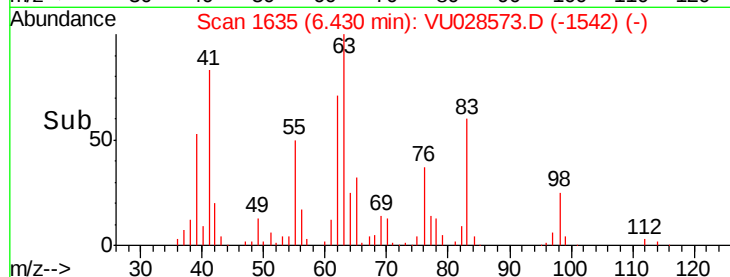
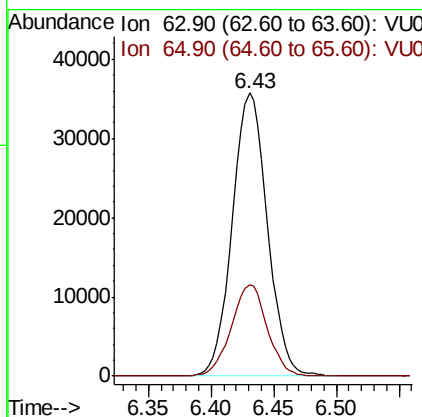
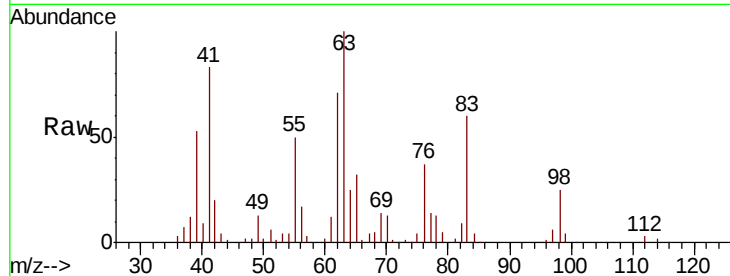
#45
 1,2-Dichloropropane
 Concen: 51.828 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 69594
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.2 36.4

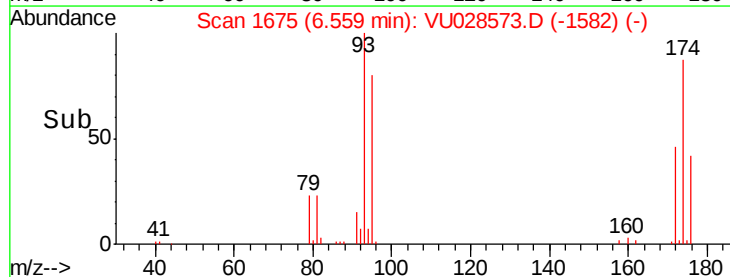
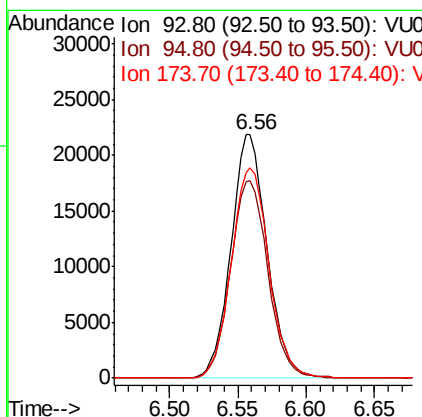
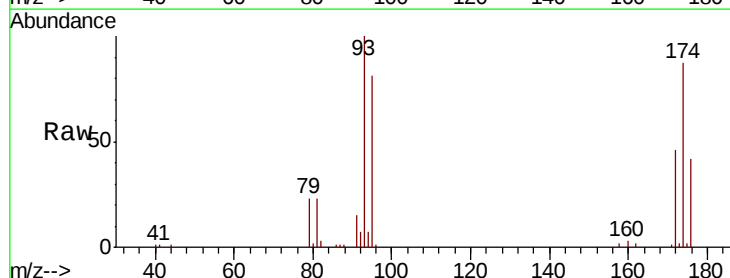
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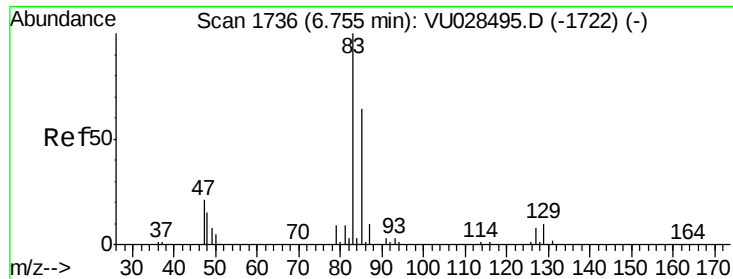
MMDadoda
 12/11/2018 12:10:24 PM



#46
 Dibromomethane
 Concen: 50.389 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion: 93 Resp: 40146
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.4 98.2
 174 89.9 72.2 108.4





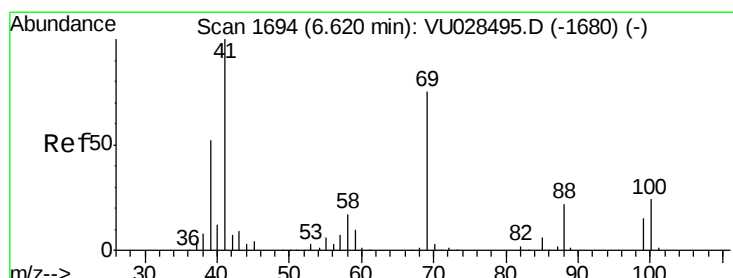
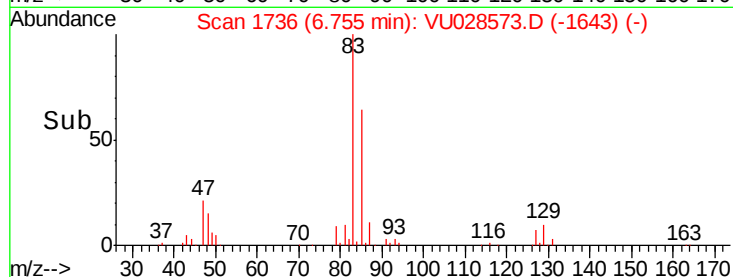
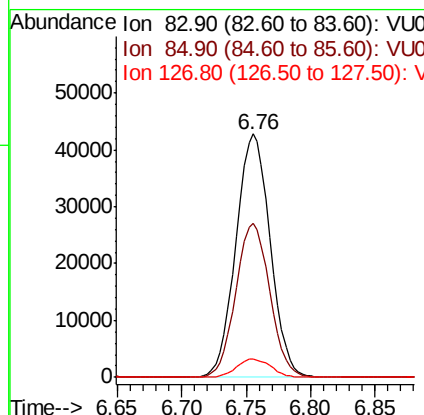
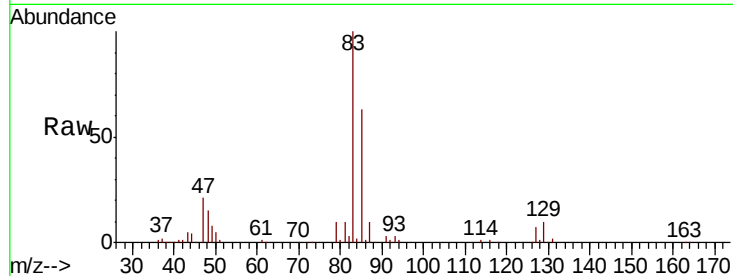
#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	79236
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	7.4	6.2	9.4

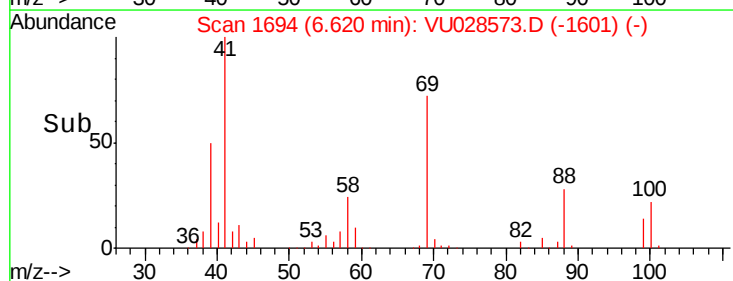
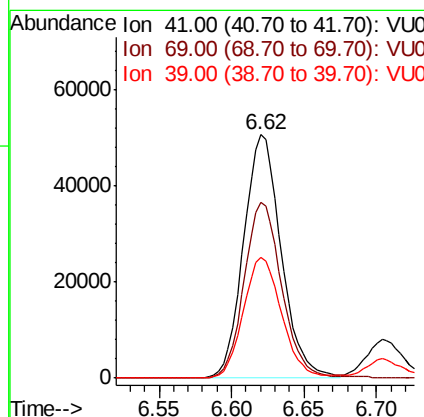
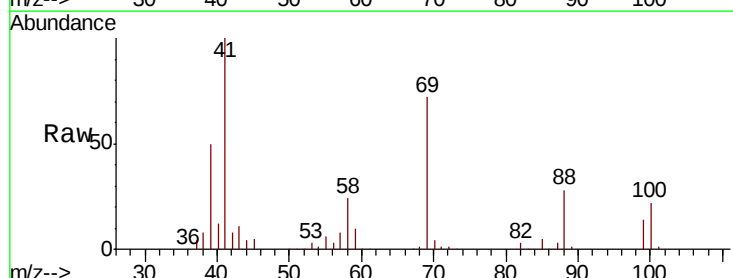
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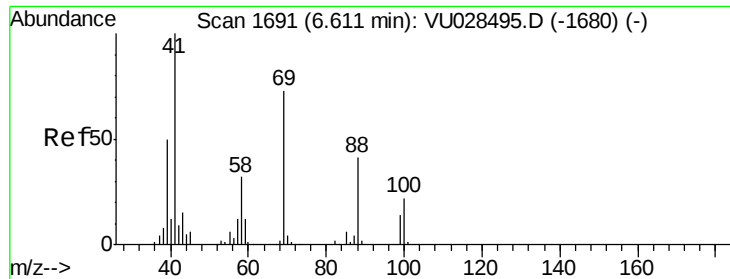
MMDadoda
12/11/2018 12:10:24 PM



#48
Methyl methacrylate
Concen: 55.382 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	41	Resp	91301
Ion Ratio	100	Lower	Upper
41	100		
69	72.5	60.4	90.6
39	50.6	41.1	61.7





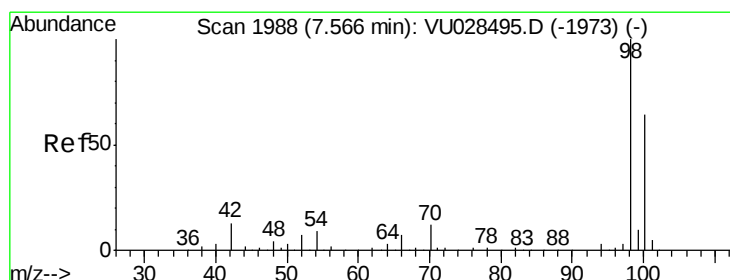
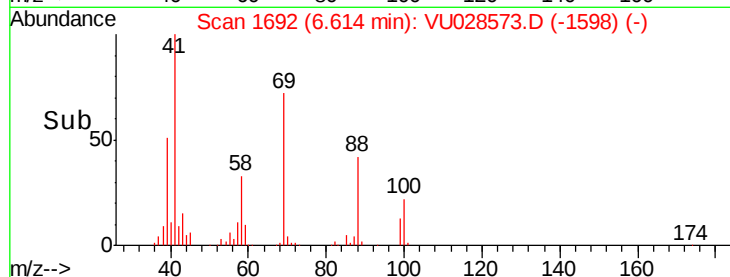
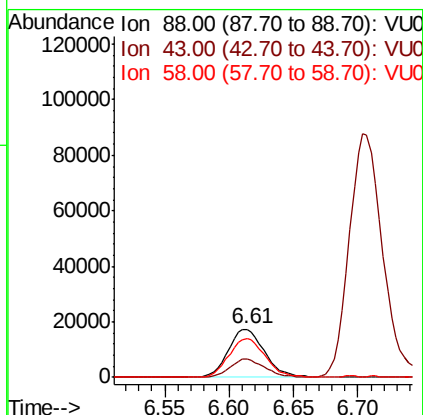
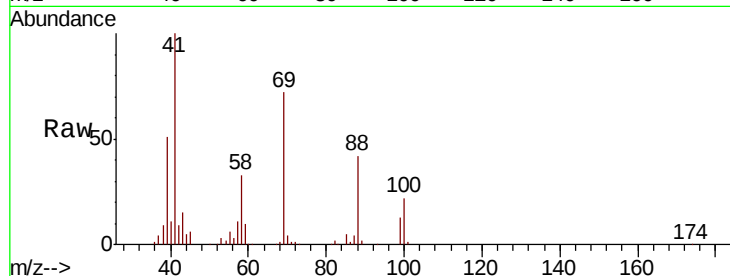
#49
1,4-Dioxane
Concen: 1305.095 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.9	46.3
58	80.3	62.4	93.6

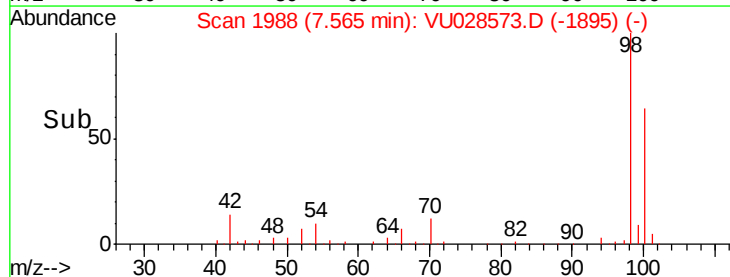
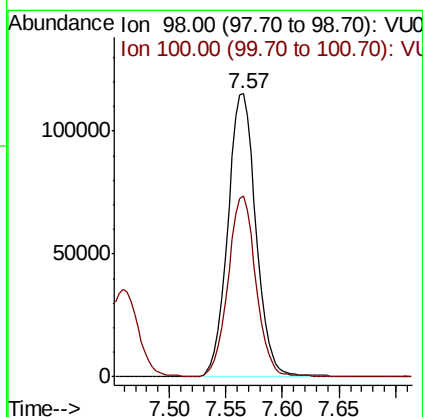
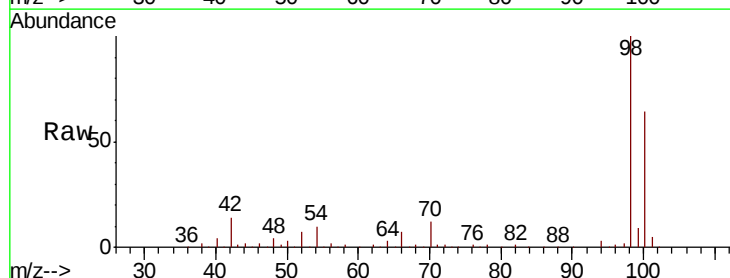
Manual Integrations
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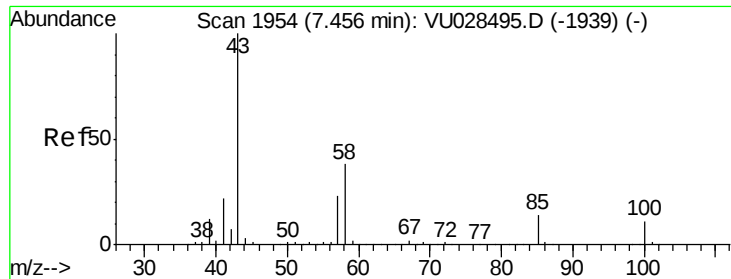
MMDadoda
12/11/2018 12:10:24 PM



#50
Toluene-d8
Concen: 54.272 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 276.753 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 578639

Ion Ratio Lower Upper

43 100

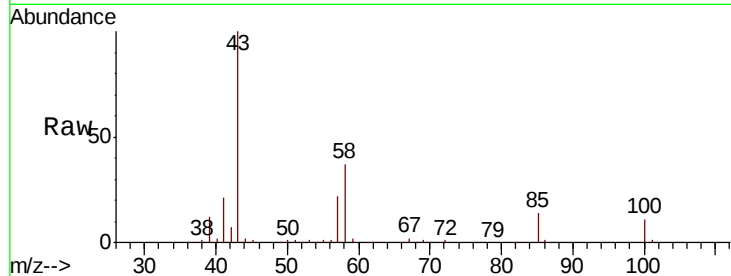
58 36.6 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

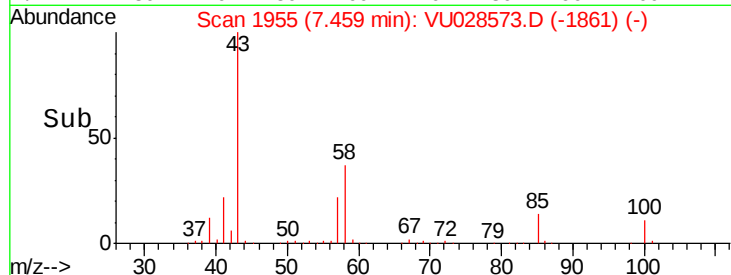
300000

200000

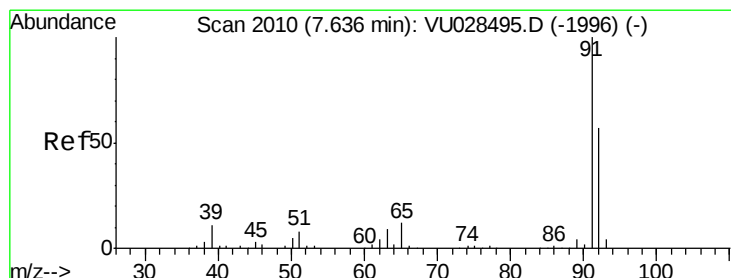
100000

0

Time-->



Time-->



#52

Toluene

Concen: 50.375 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028573.D

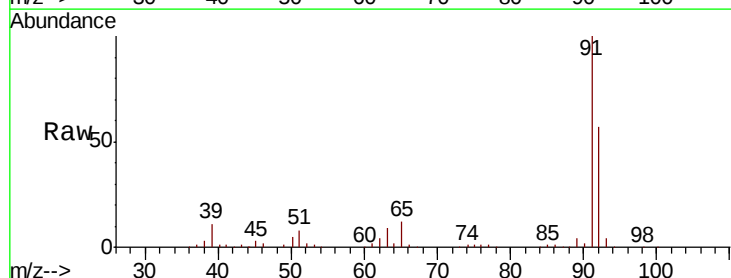
Acq: 11 Dec 2018 00:02

Tgt Ion: 92 Resp: 141566

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

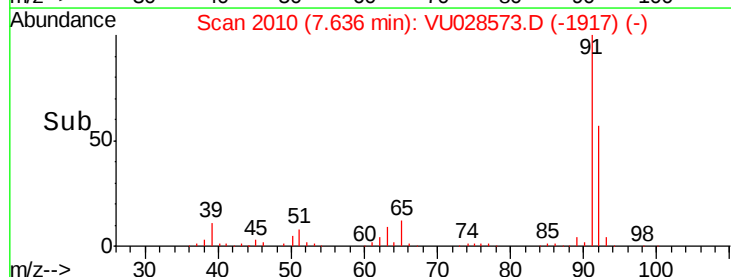
150000

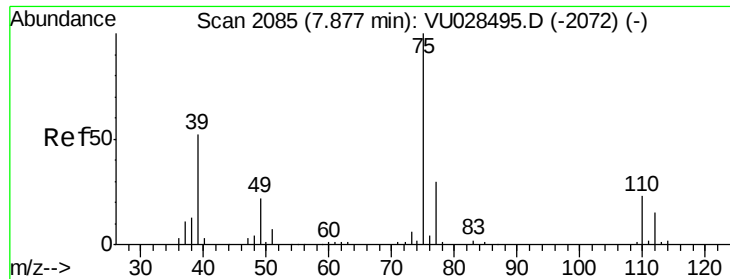
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.617 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 93461

Ion Ratio Lower Upper

75 100

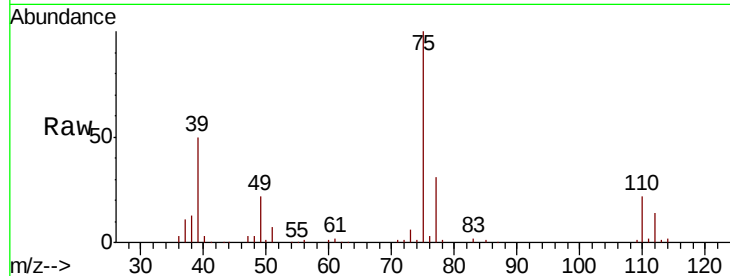
77 30.6 24.2 36.4

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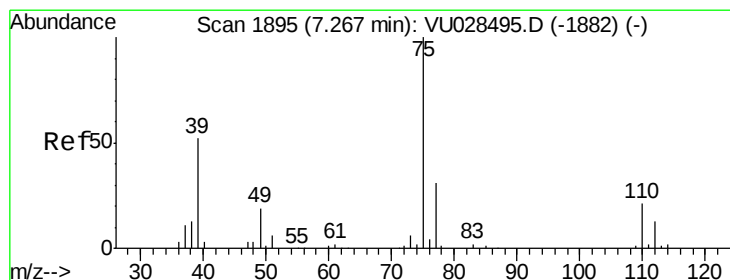
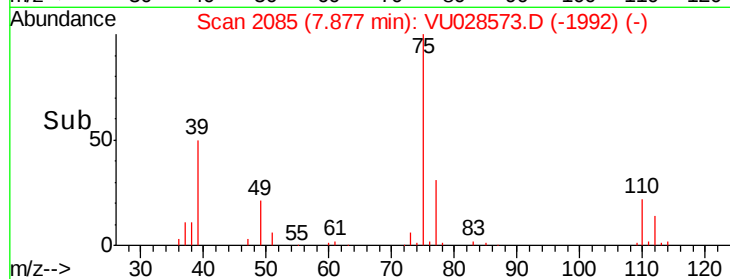
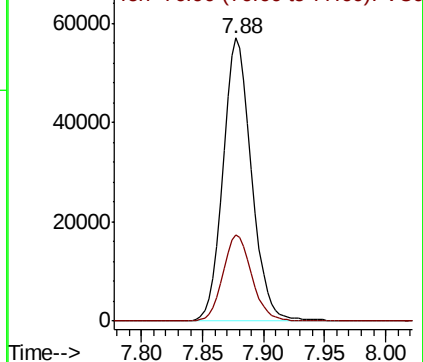
MMDadoda

12/11/2018 12:10:24 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.343 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

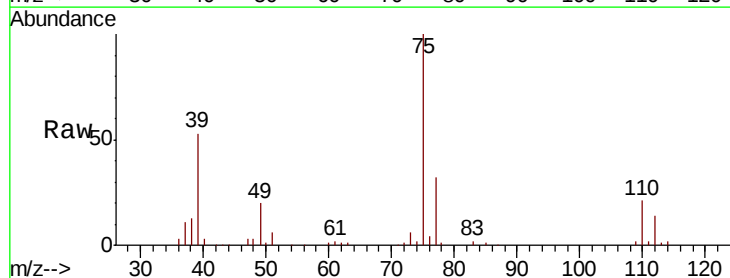
Tgt Ion: 75 Resp: 98847

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

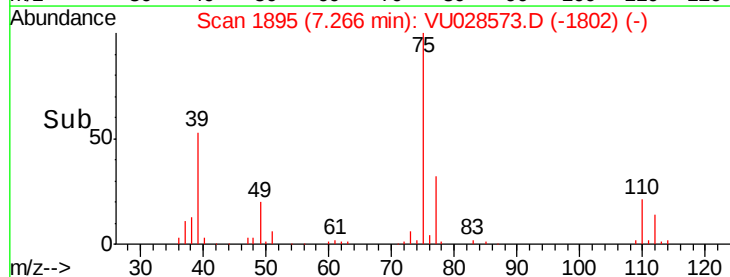
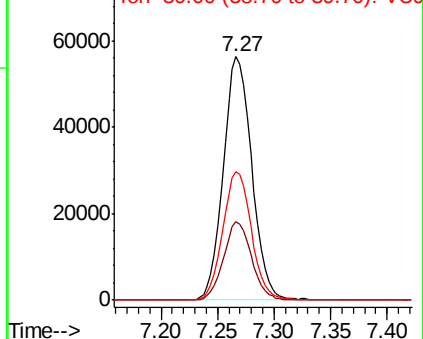
39 52.7 41.3 61.9

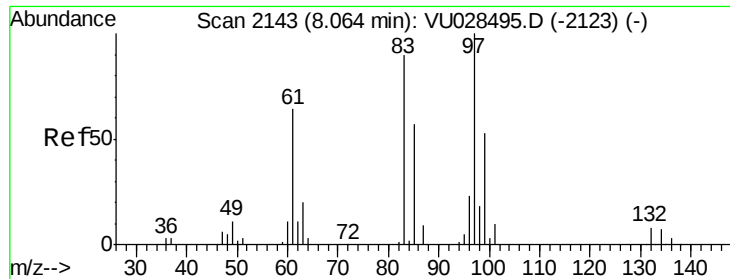


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





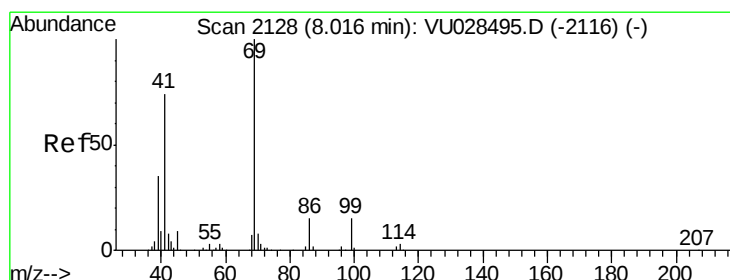
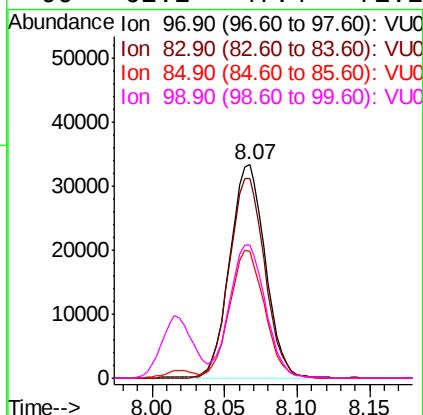
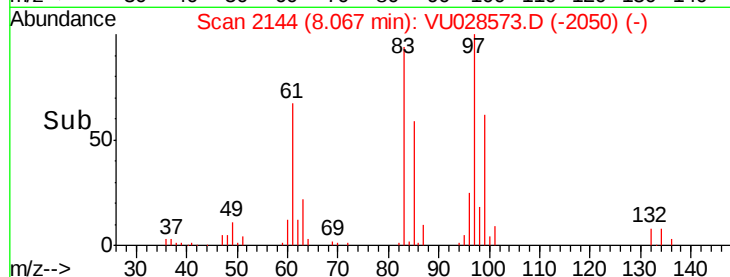
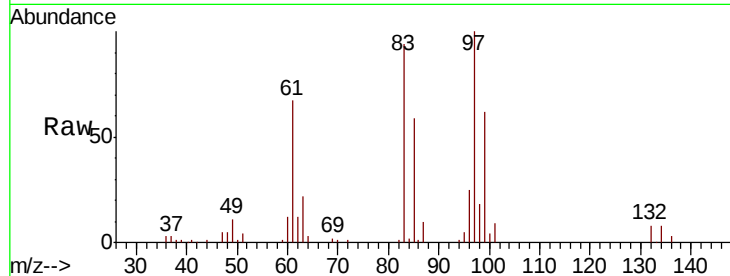
#55
 1,1,2-Trichloroethane
 Concen: 51.088 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	56752
Ion	Ratio	Lower	Upper
97	100		
83	93.6	72.4	108.6
85	59.1	46.0	69.0
99	62.2	47.4	71.2

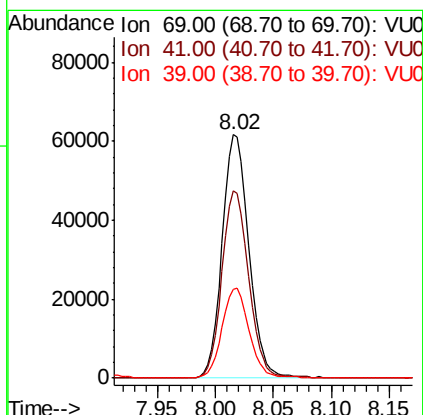
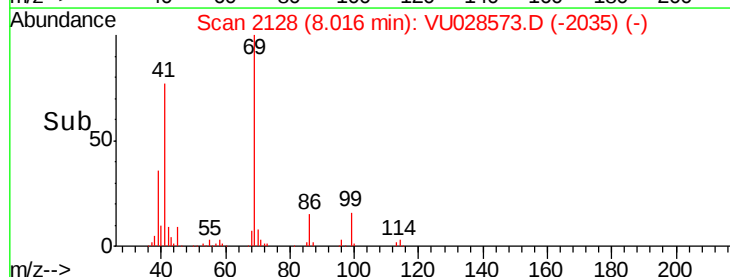
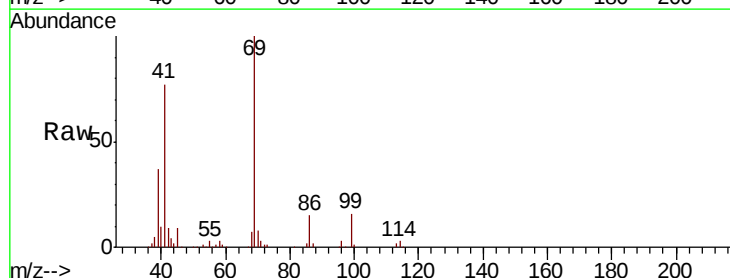
Manual Integrations
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 12/11/2018 12:10:24 PM



#56
 Ethyl methacrylate
 Concen: 51.933 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion:	69	Resp:	98792
Ion	Ratio	Lower	Upper
69	100		
41	77.1	59.1	88.7
39	37.3	28.4	42.6





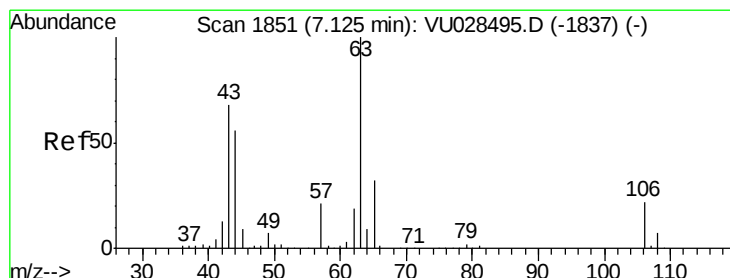
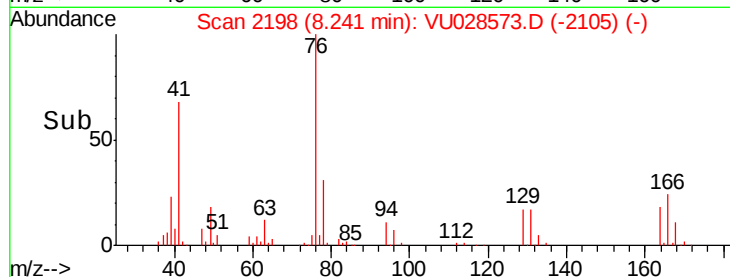
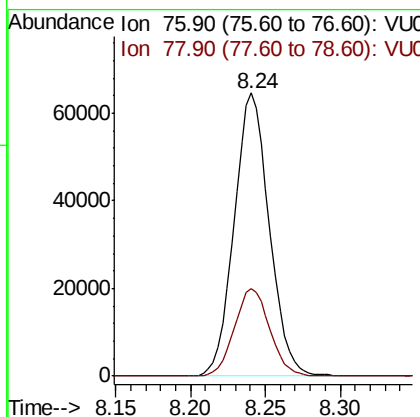
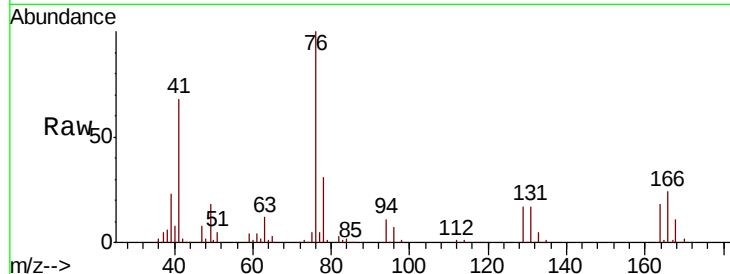
#57
 1,3-Dichloropropane
 Concen: 51.131 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.2	37.8

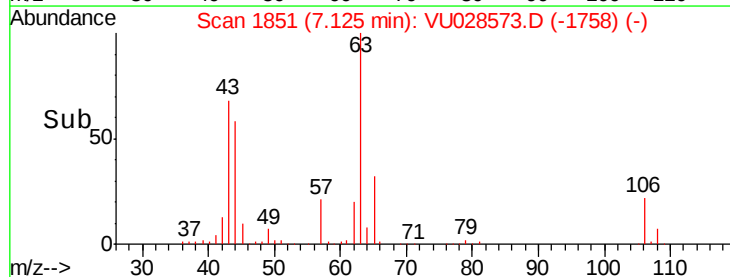
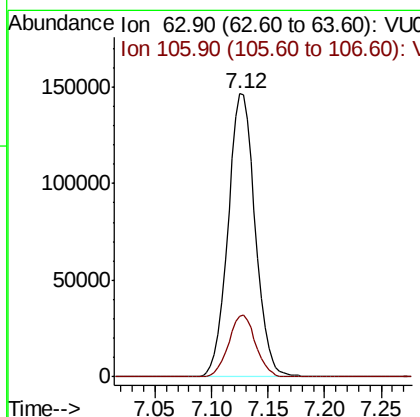
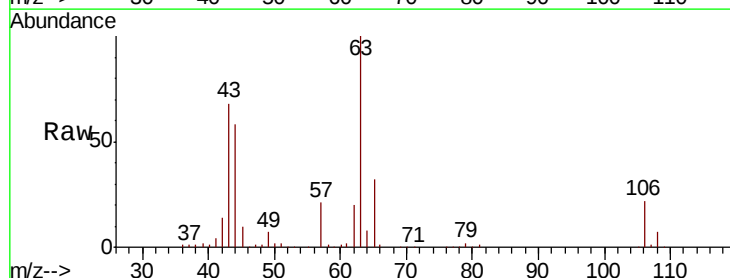
Manual Integrations
 APPROVED

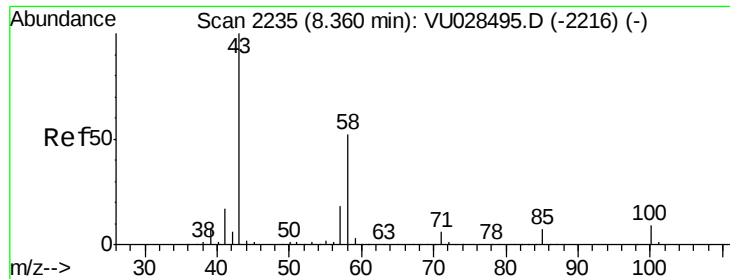
MMDadoda
 12/11/2018 12:10:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.802 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	21.7	17.8	26.6





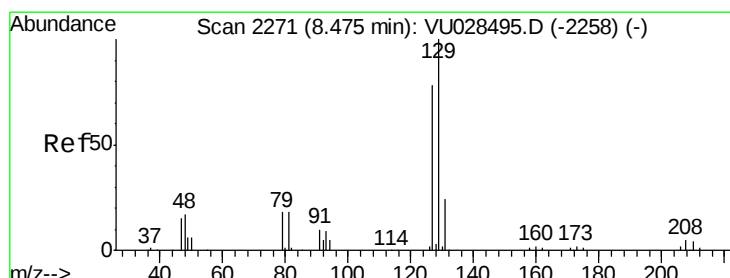
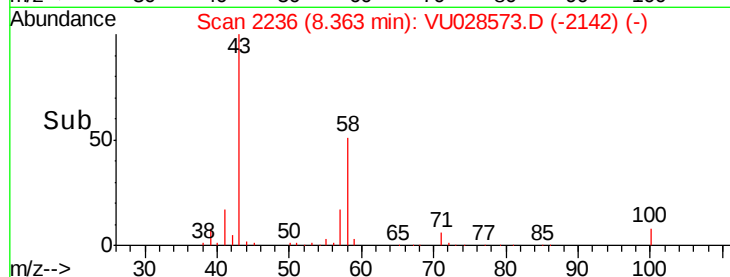
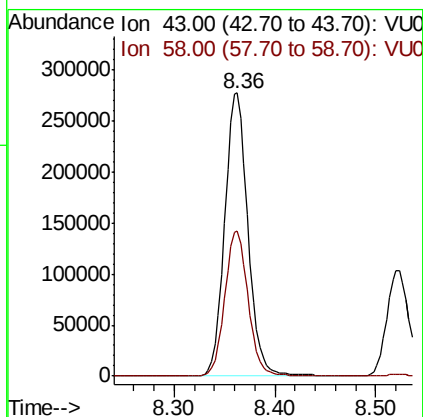
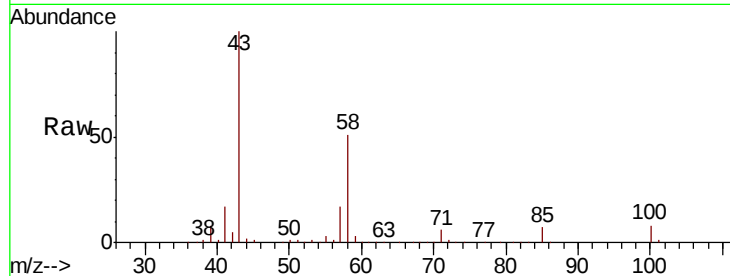
#59
2-Hexanone
Concen: 269.668 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 446893
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6

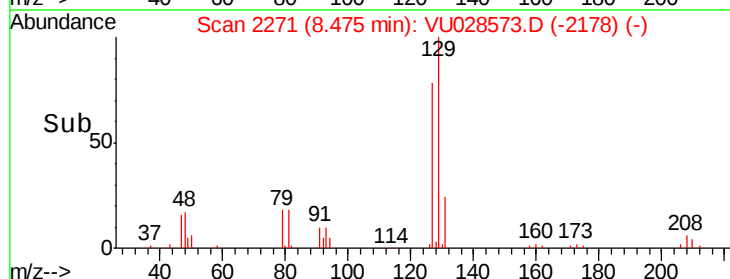
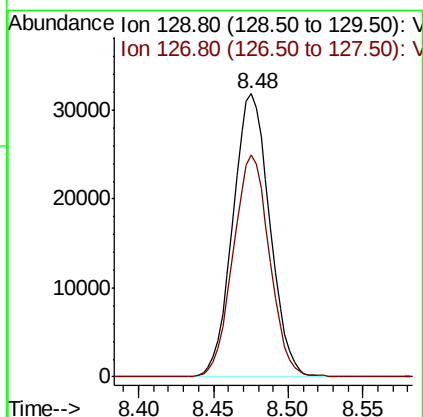
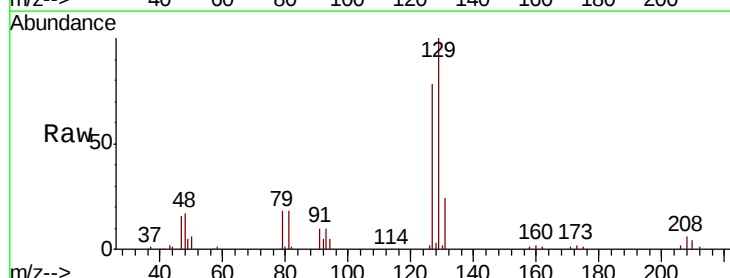
Manual Integrations
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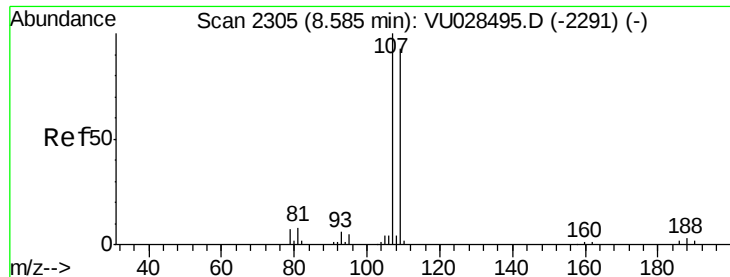
MMDadoda
12/11/2018 12:10:24 PM



#60
Dibromochloromethane
Concen: 50.260 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 129 Resp: 54663
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.261 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 60880

Ion Ratio Lower Upper

107 100

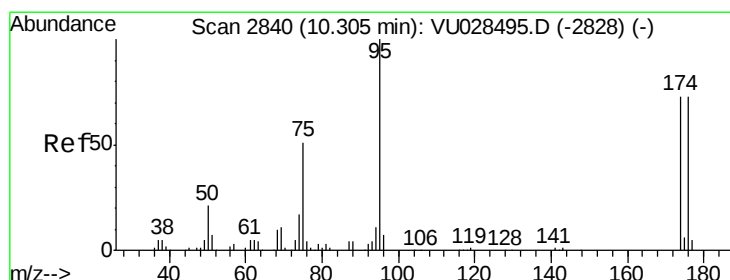
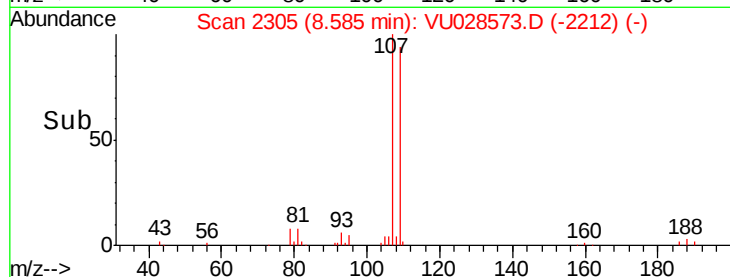
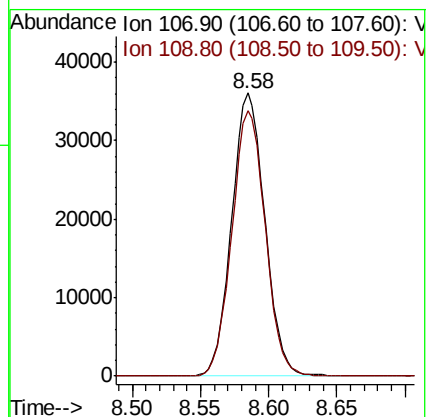
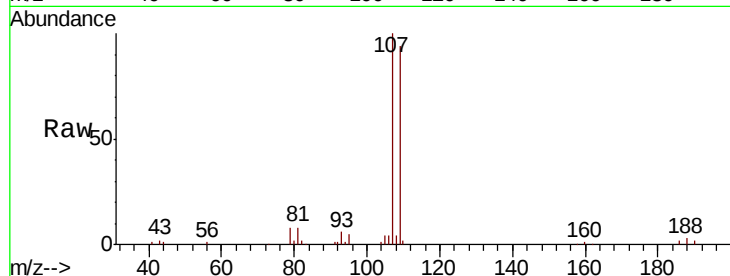
109 94.3 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.303 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

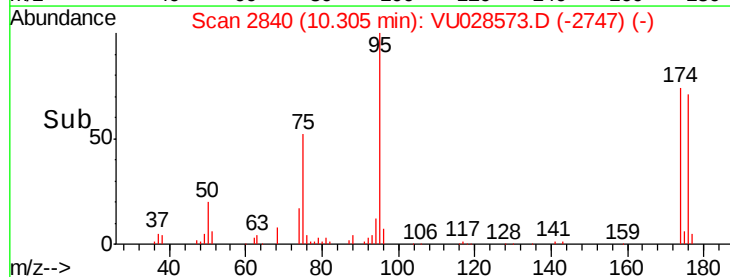
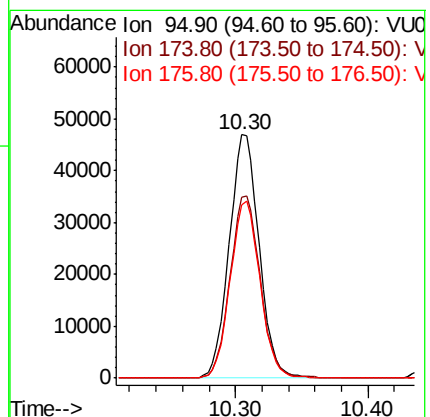
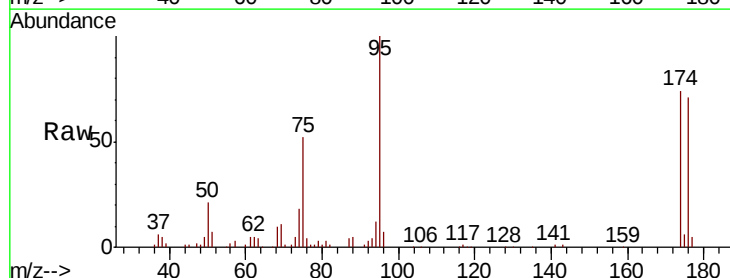
Tgt Ion: 95 Resp: 73482

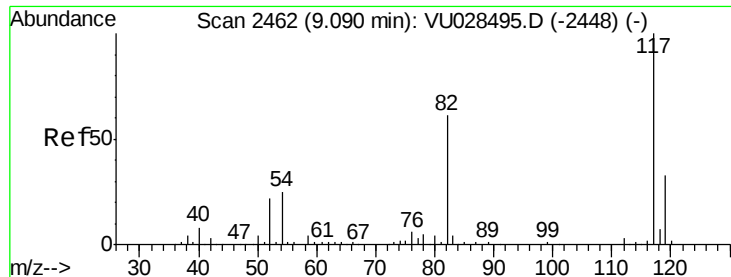
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 72.3 0.0 145.2





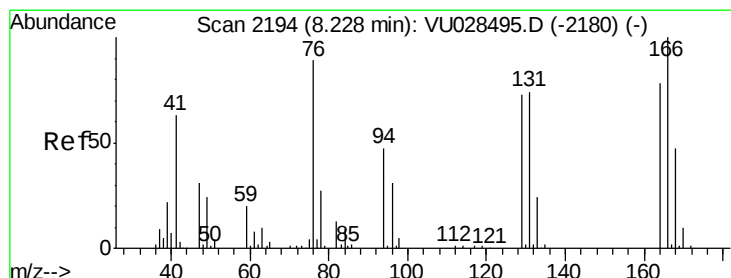
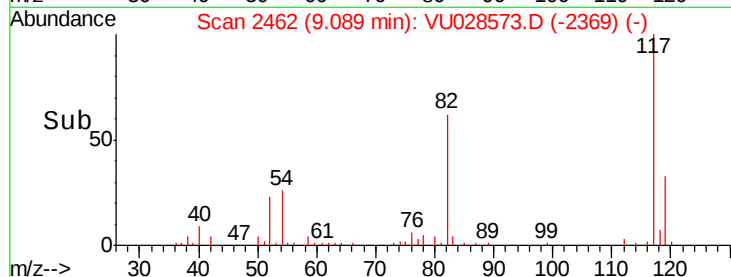
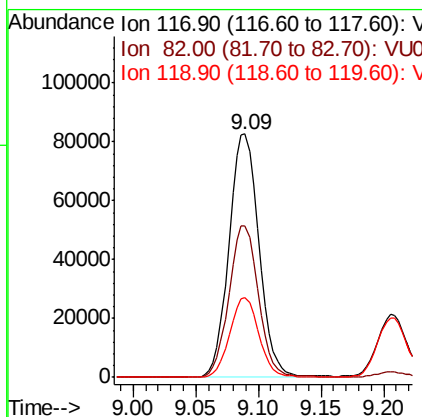
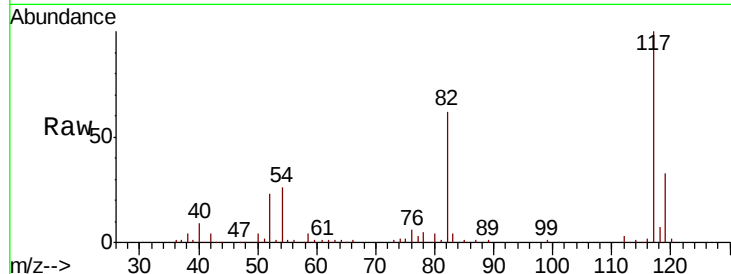
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.4	48.9	73.3
119	32.9	26.2	39.4

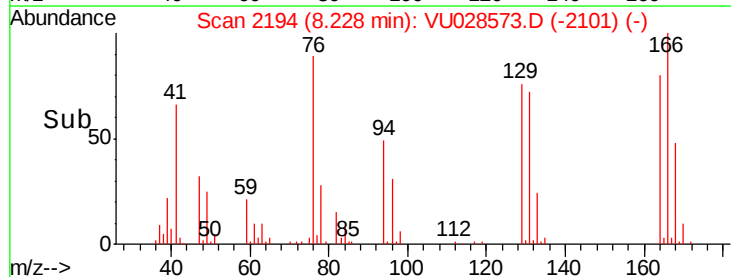
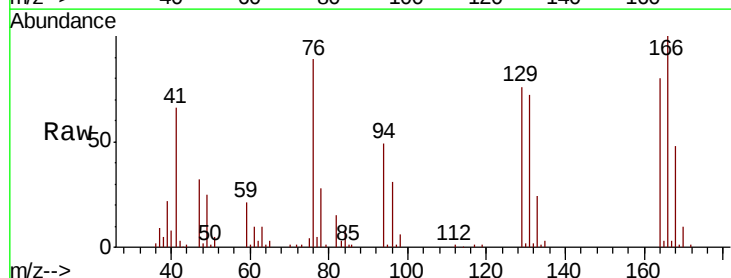
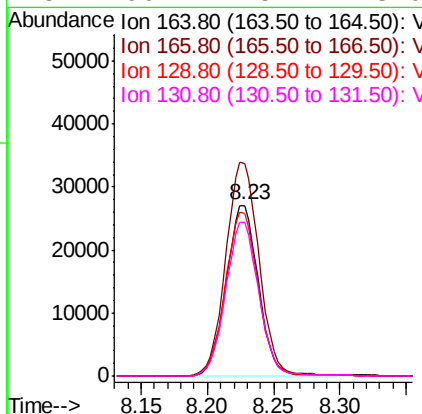
Manual Integrations
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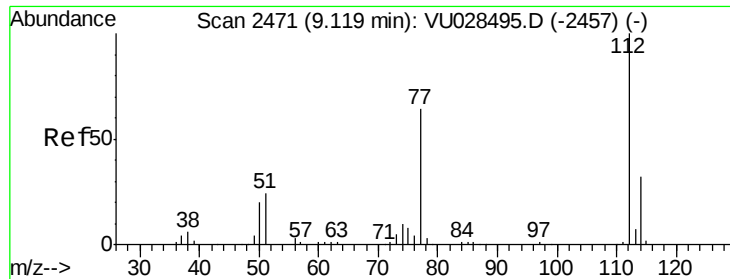
MMDadoda
12/11/2018 12:10:24 PM



#64
Tetrachloroethene
Concen: 50.082 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.9	152.9
129	95.1	74.9	112.3
131	90.1	75.4	113.0





#65

Chlorobenzene

Concen: 49.157 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 144269

Ion Ratio Lower Upper

112 100

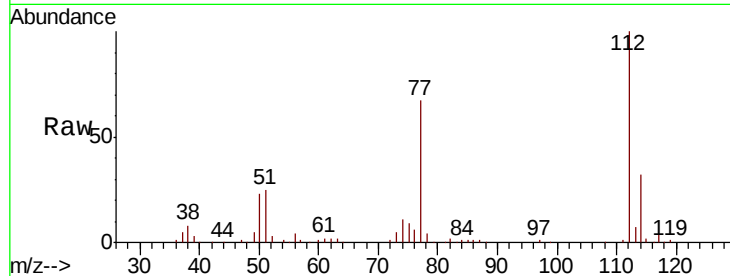
114 31.7 25.3 37.9

Manual Integrations

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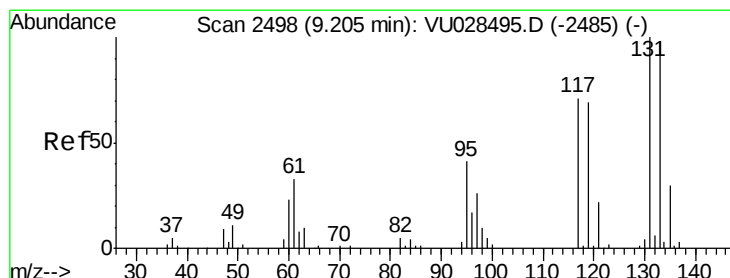
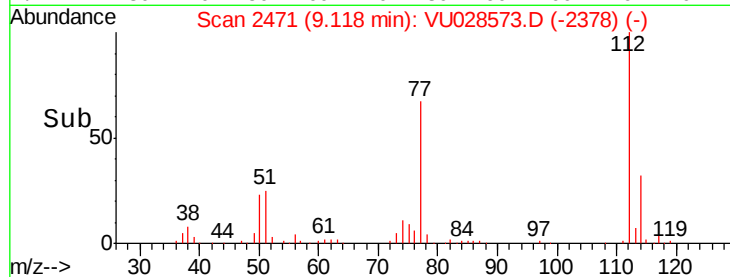
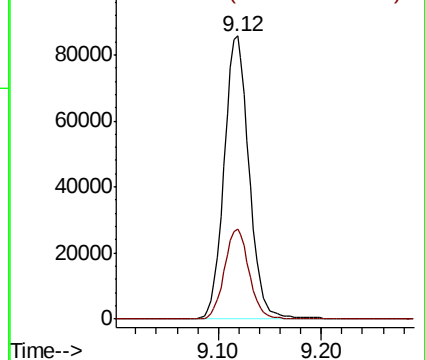
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.264 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

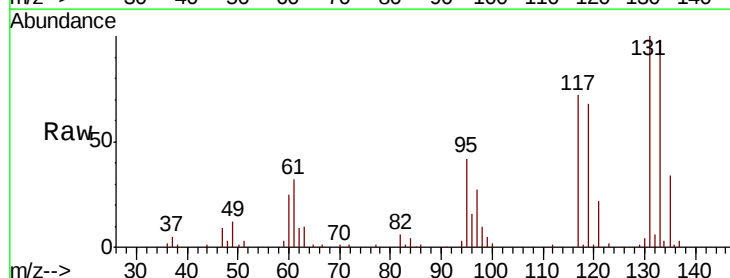
Tgt Ion:131 Resp: 48982

Ion Ratio Lower Upper

131 100

133 95.5 48.0 144.0

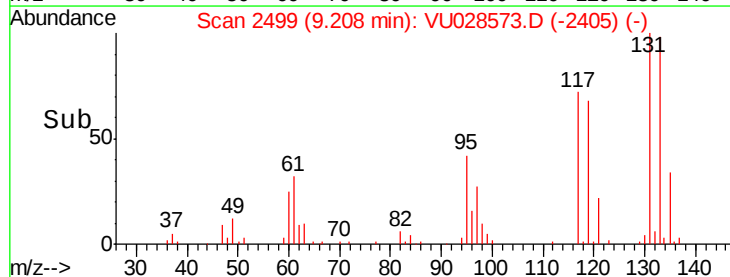
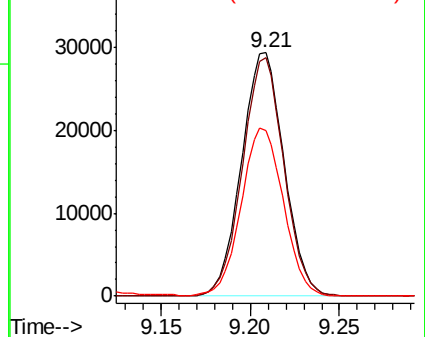
119 68.5 34.6 103.9

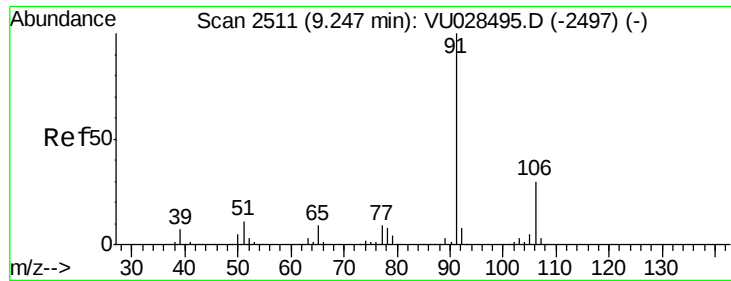


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.062 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 270096

Ion Ratio Lower Upper

91 100

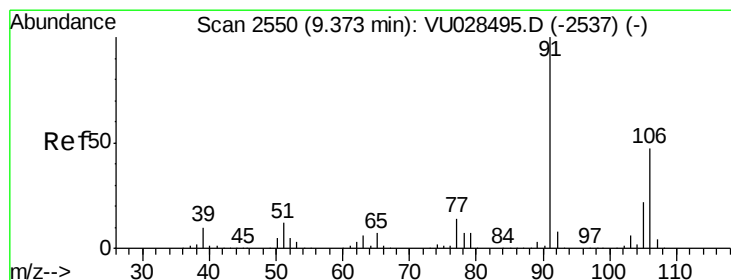
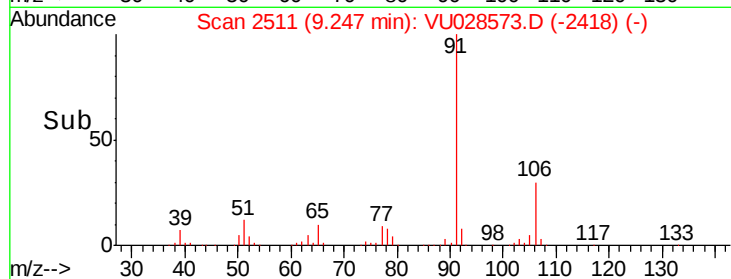
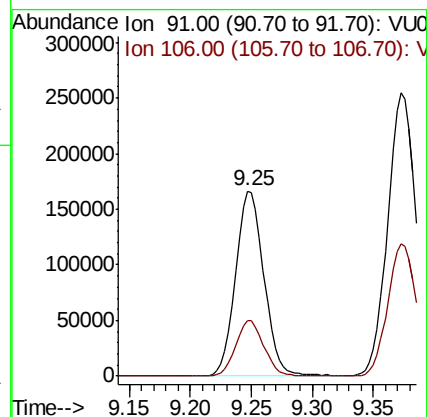
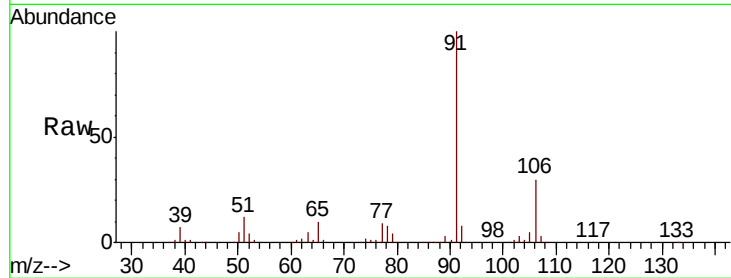
106 30.0 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.855 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028573.D

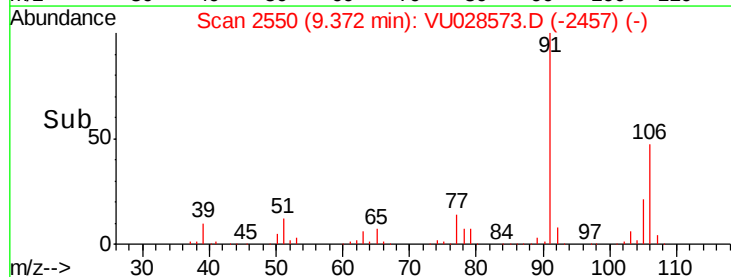
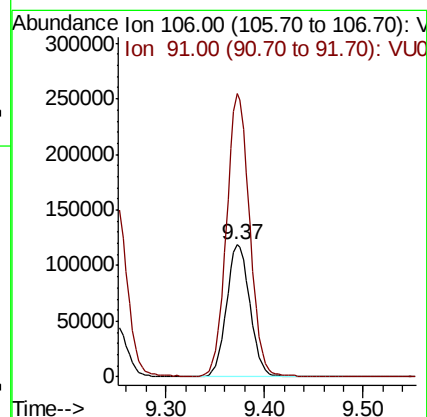
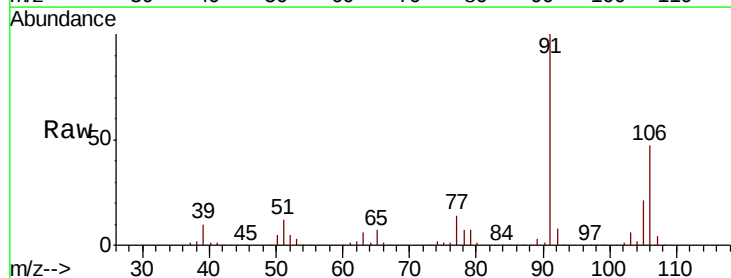
Acq: 11 Dec 2018 00:02

Tgt Ion: 106 Resp: 197997

Ion Ratio Lower Upper

106 100

91 211.8 167.4 251.0





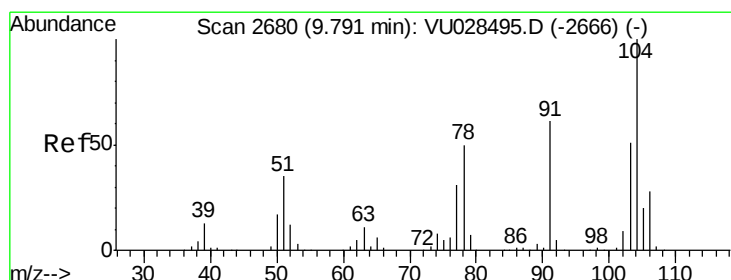
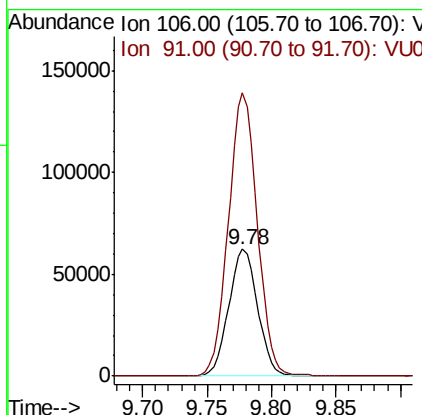
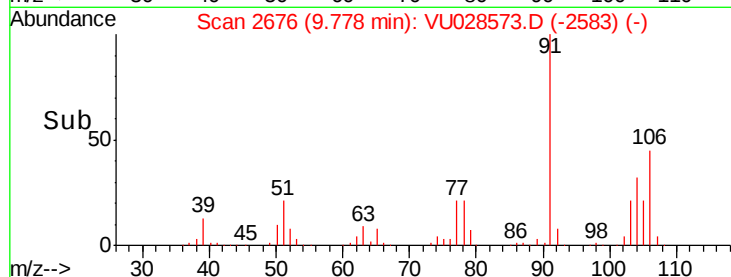
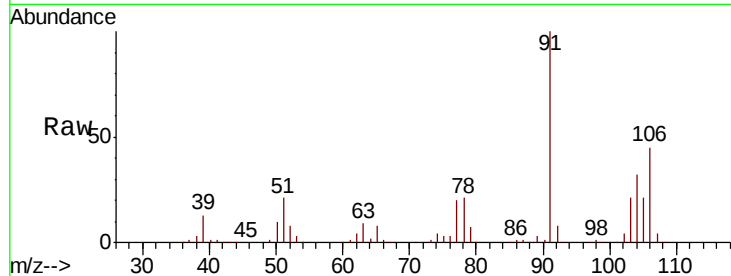
#69
o-Xylene
Concen: 50.949 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 97202
Ion Ratio Lower Upper
106 100
91 222.5 111.3 334.0

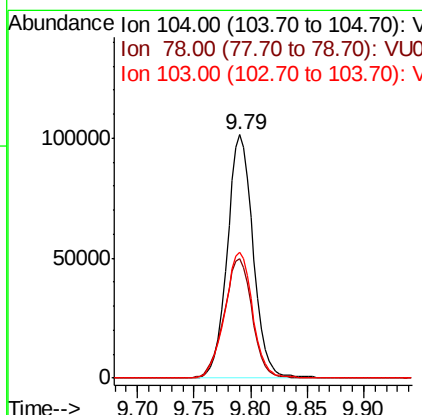
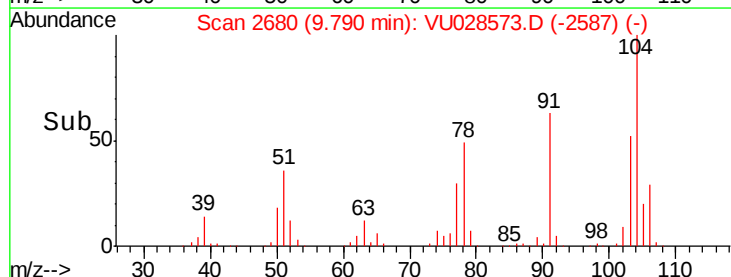
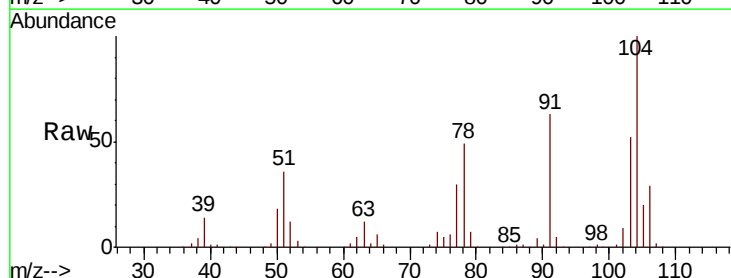
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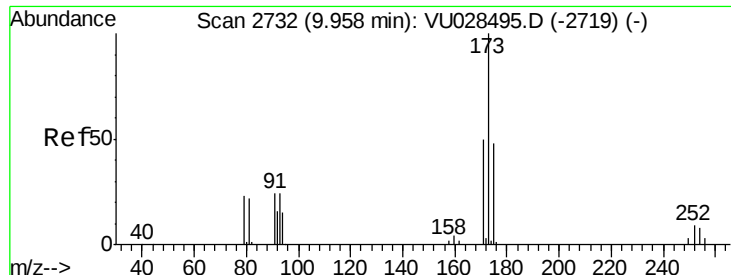
MMDadoda
12/11/2018 12:10:24 PM



#70
Styrene
Concen: 51.178 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:104 Resp: 161585
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 53.879 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 42956

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

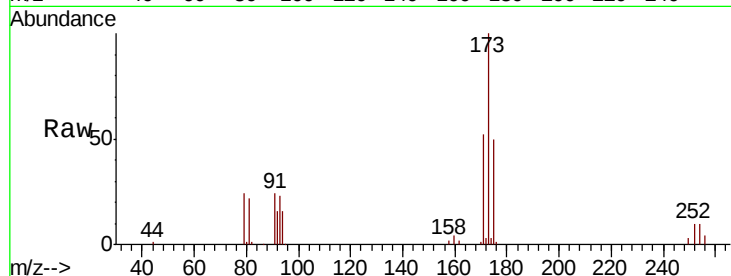
254 0.0 0.0 0.0

Manual Integrations

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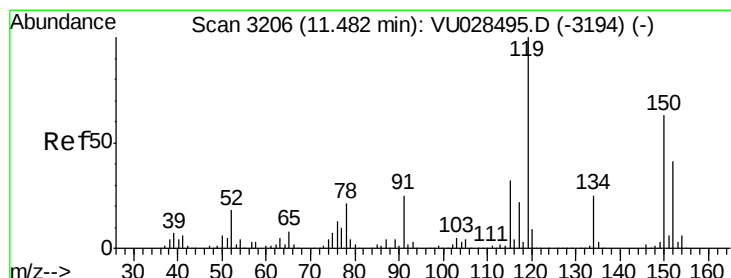
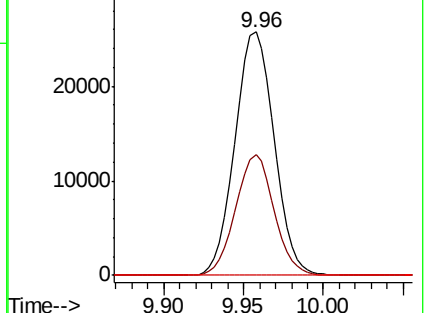
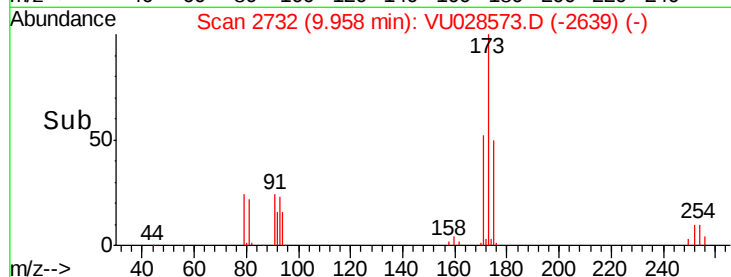
12/11/2018 12:10:24 PM



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: VU028573.D

Acq: 11 Dec 2018 00:02

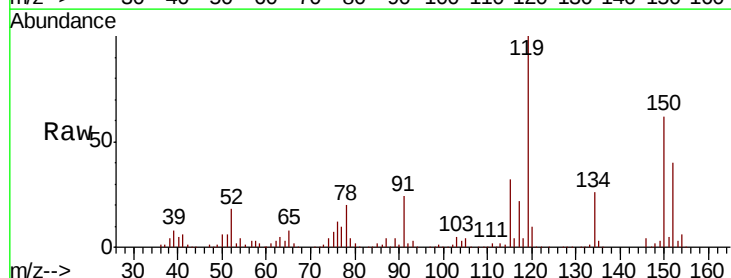
Tgt Ion:152 Resp: 67970

Ion Ratio Lower Upper

152 100

115 85.6 42.7 128.1

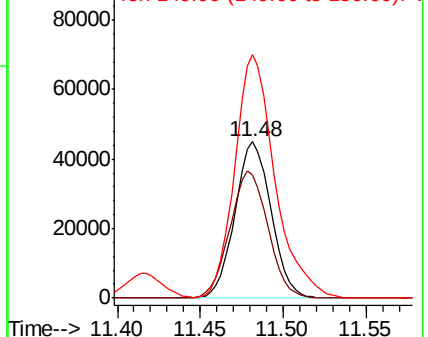
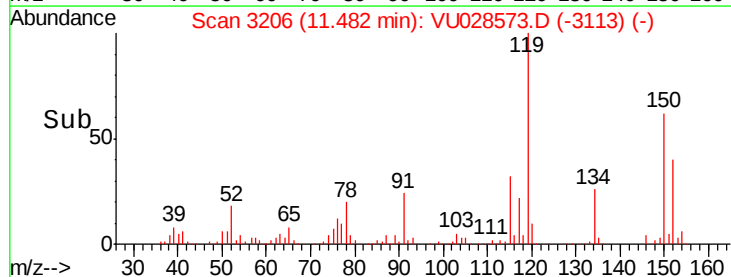
150 173.7 0.0 346.0

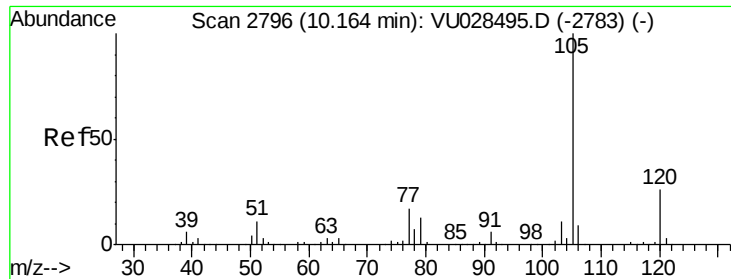


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





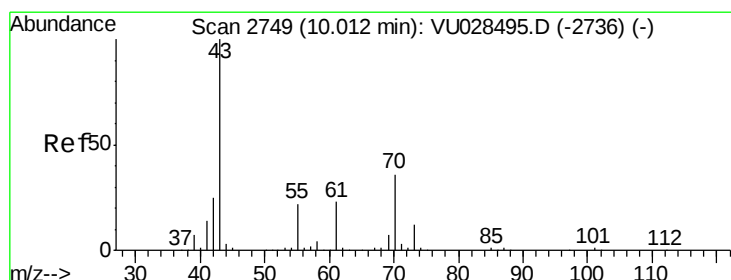
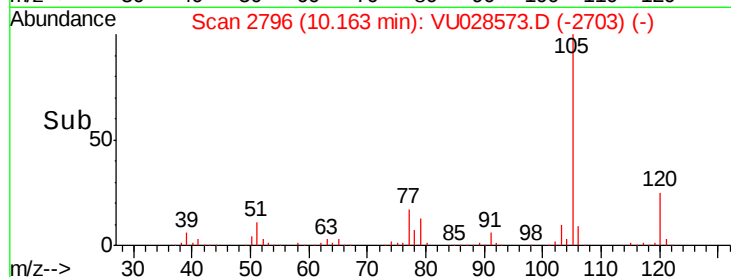
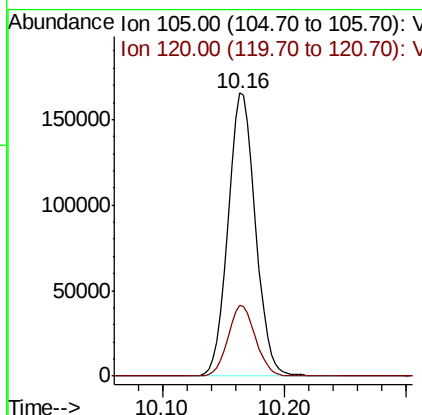
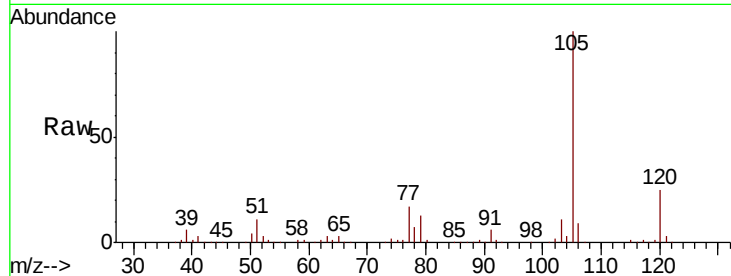
#73
Isopropylbenzene
Concen: 49.919 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.9	38.6

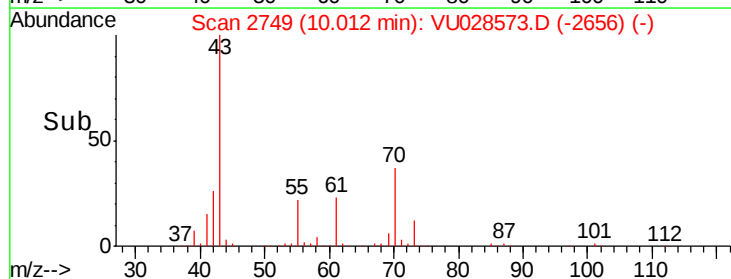
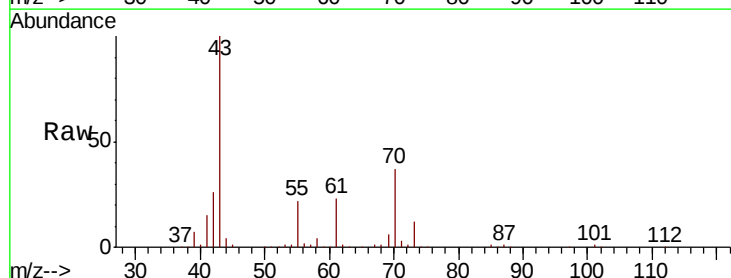
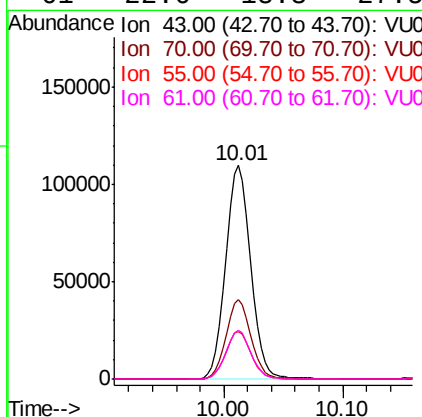
Manual Integrations
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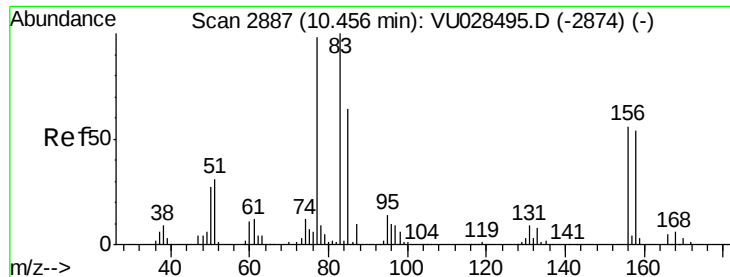
MMDadoda
12/11/2018 12:10:24 PM



#74
N-ethyl acetate
Concen: 53.216 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.7	29.3	43.9
55	22.5	18.0	27.0
61	22.6	18.3	27.5





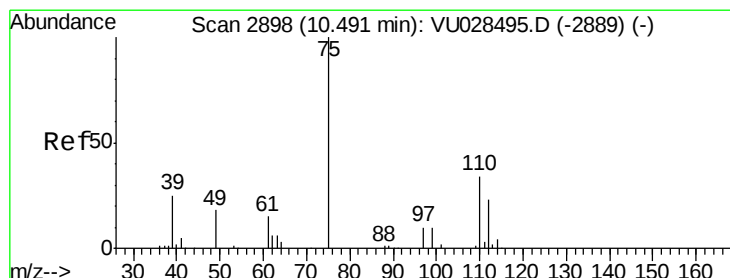
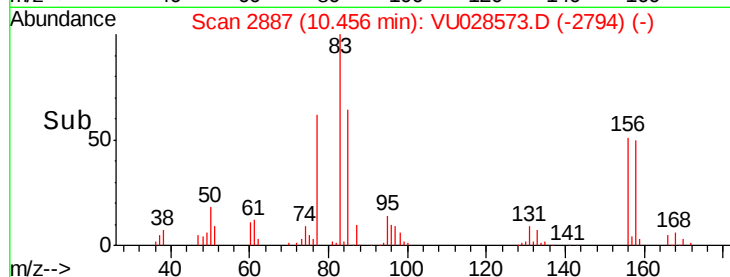
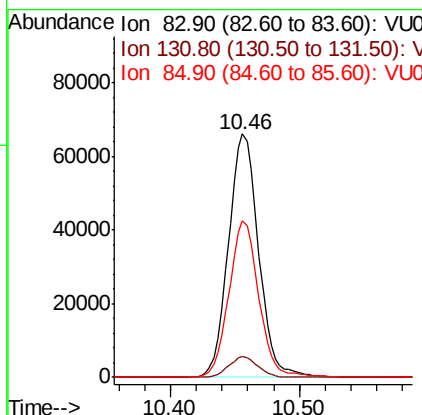
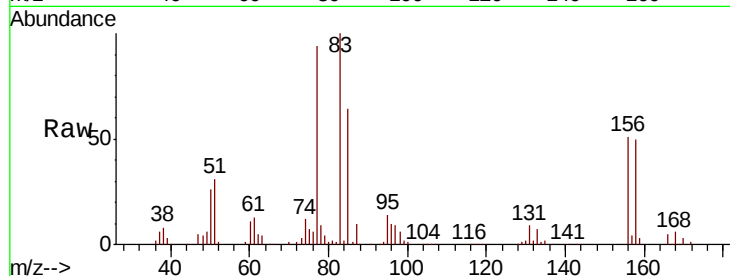
#75
 1,1,2,2-Tetrachloroethane
 Concen: 53.459 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	8.1	4.2	12.4	
85	63.9	31.8	95.4	

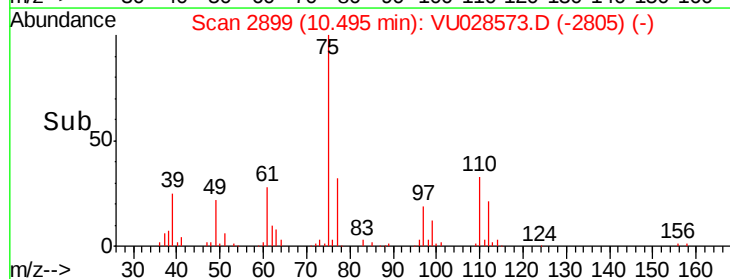
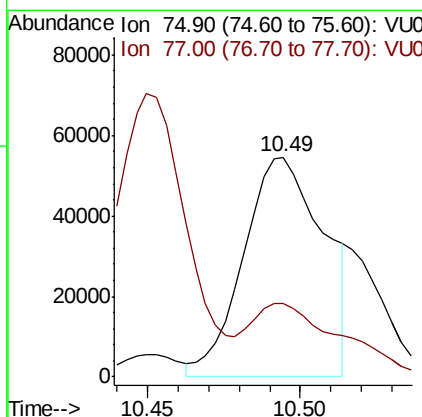
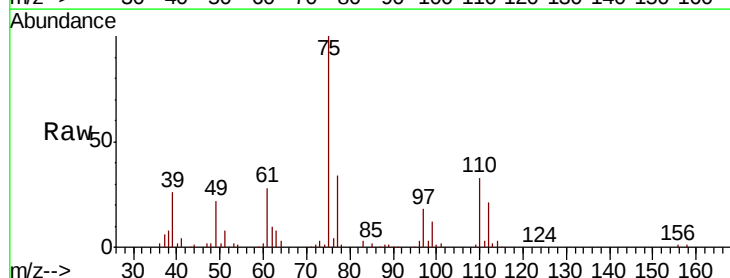
Manual Integrations
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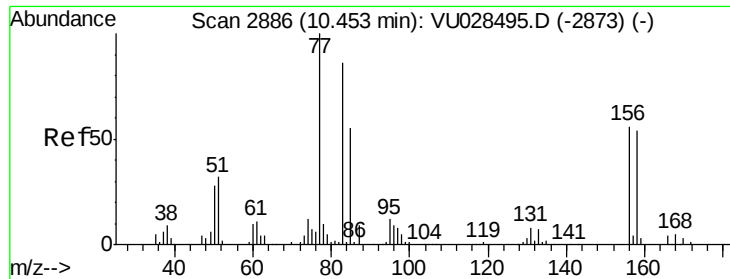
MMDadoda
 12/11/2018 12:10:24 PM



#76
 1,2,3-Trichloropropane
 Concen: 57.944 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	38.4	20.8	62.4	





#77

Bromobenzene

Concen: 49.614 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

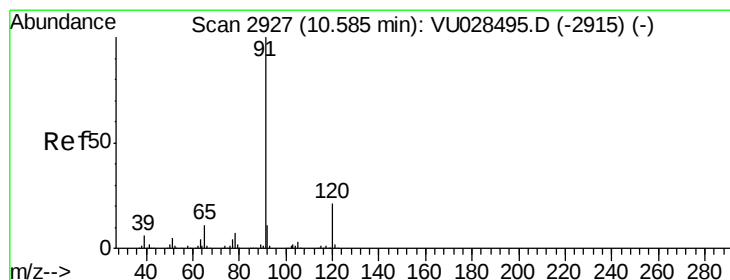
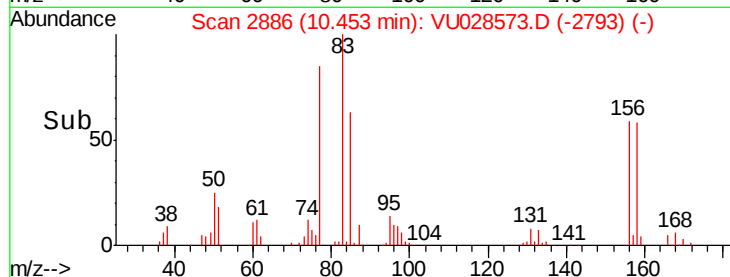
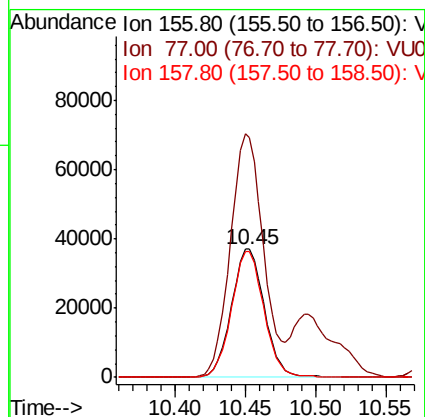
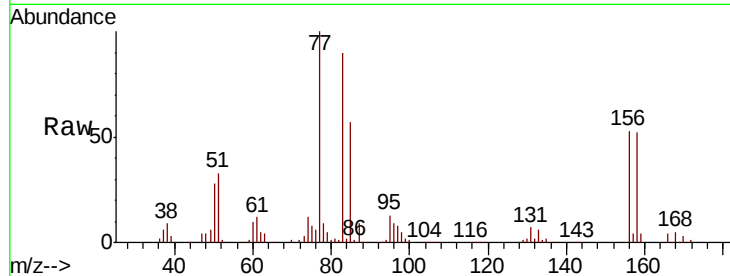
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	60519
Ion Ratio	Lower	Upper	
156	100		
77	191.6	92.4	277.2
158	96.8	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.165 ug/l

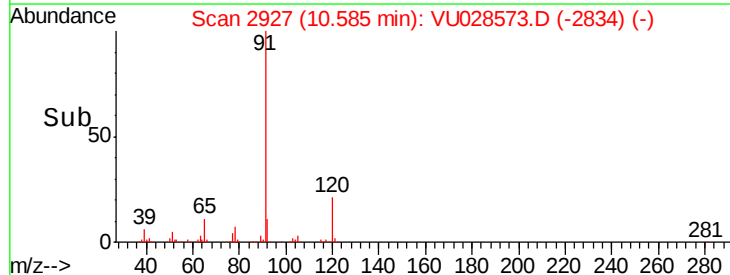
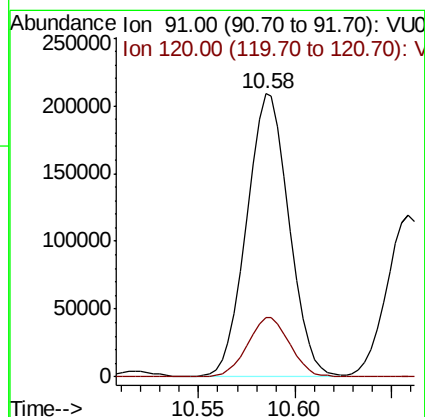
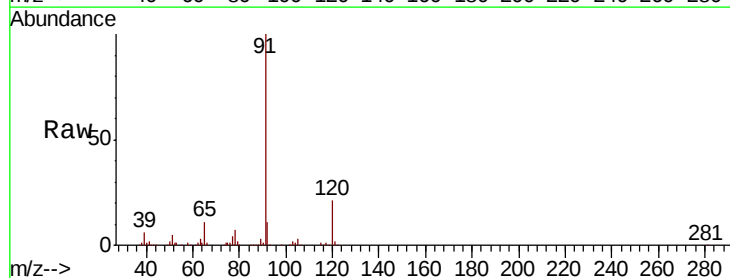
RT: 10.58 min Scan# 2927

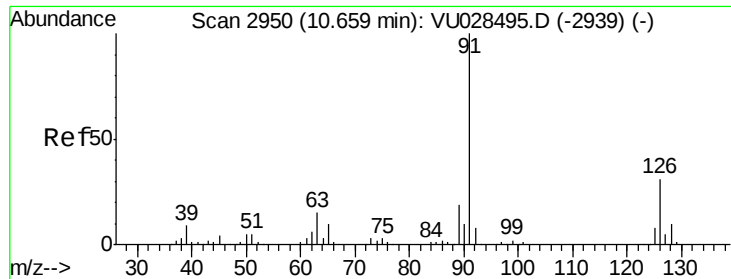
Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion:	91	Resp:	318633
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8





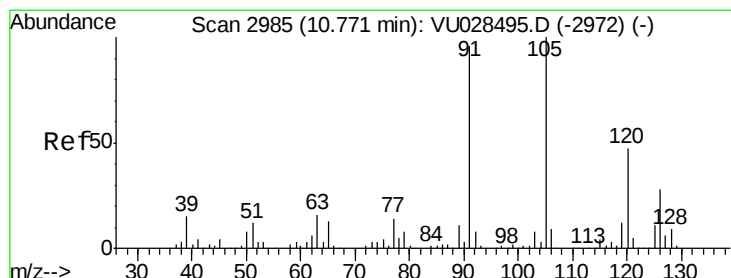
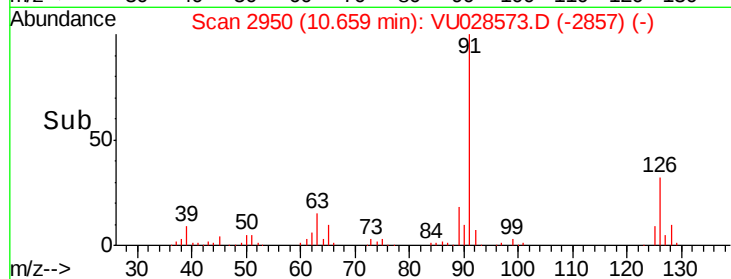
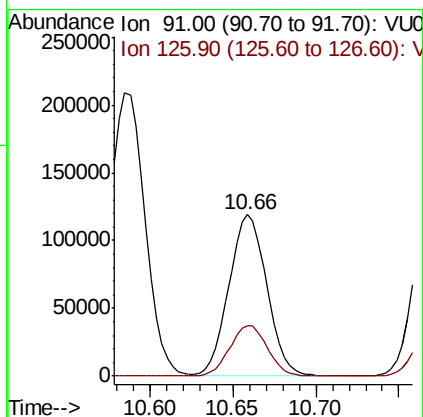
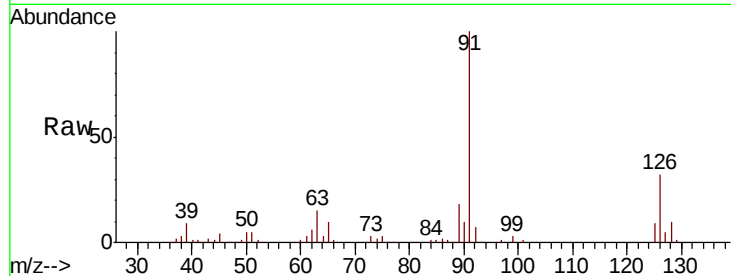
#79
 2-Chlorotoluene
 Concen: 50.525 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 188614
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8

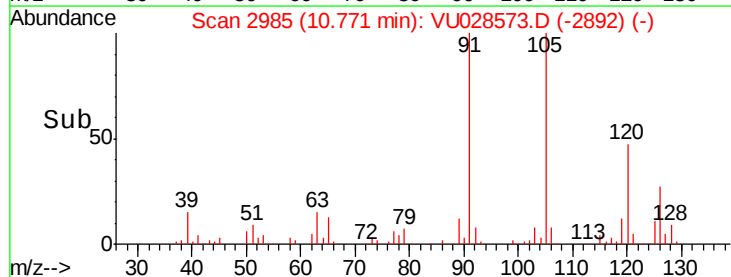
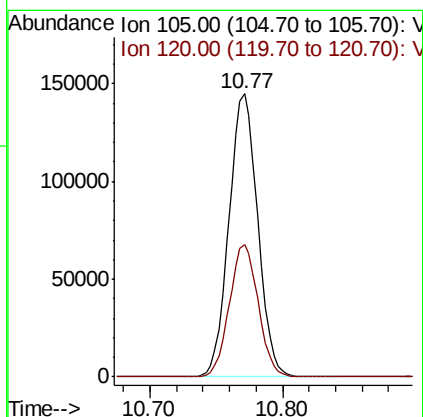
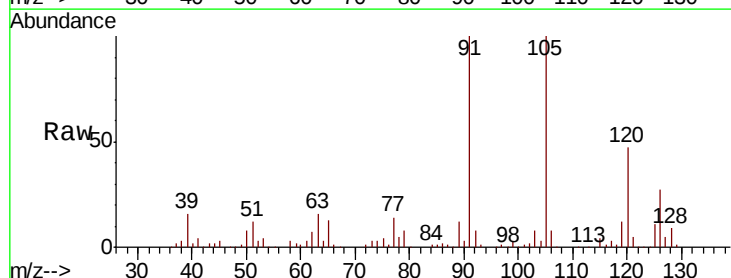
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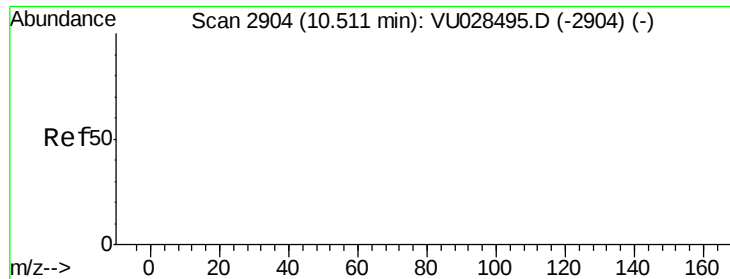
MMDadoda
 12/11/2018 12:10:24 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.490 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion: 105 Resp: 217980
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





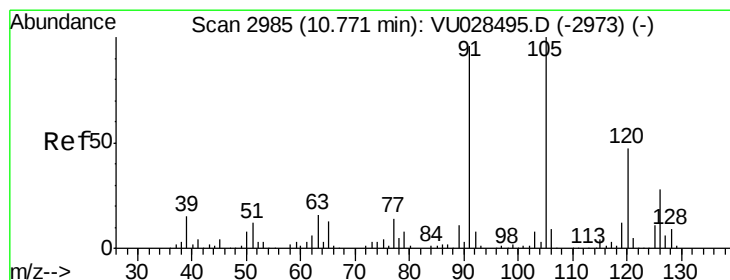
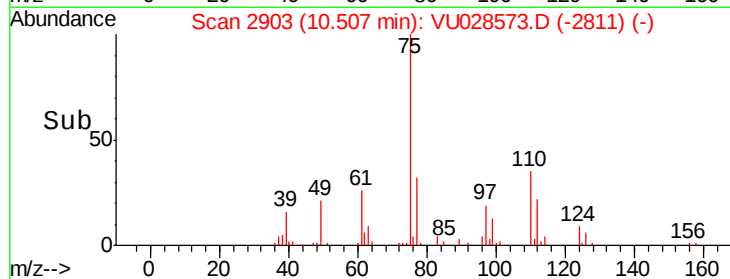
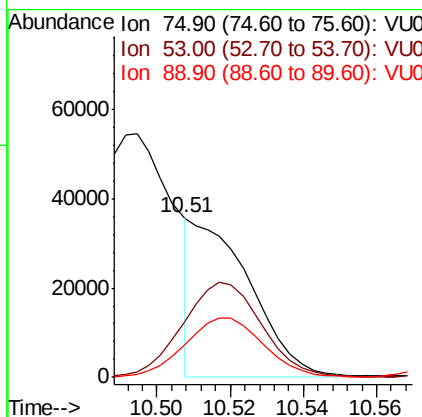
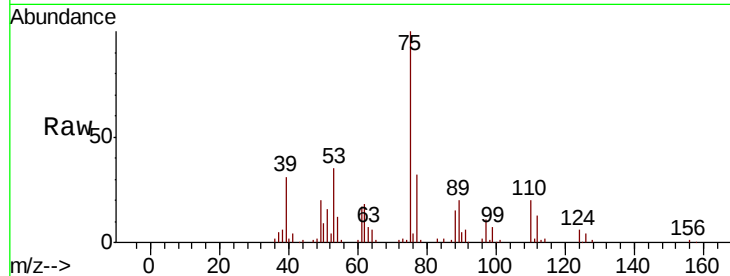
#81
trans-1,4-Dichloro-2-butene
Concen: 55.803 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

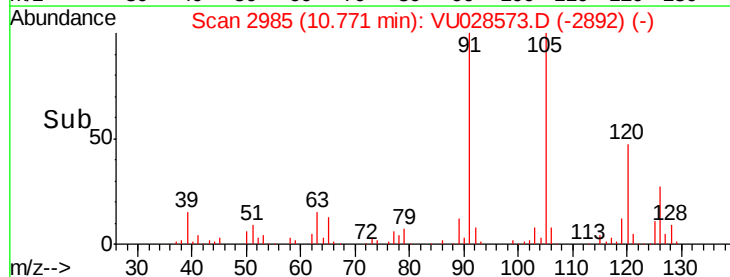
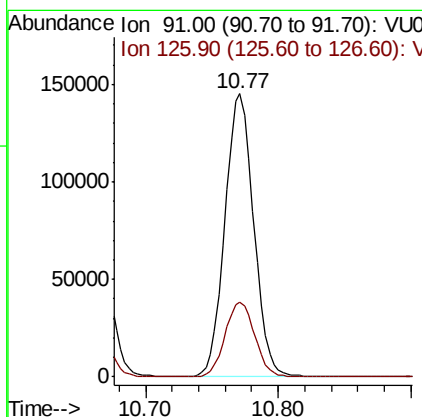
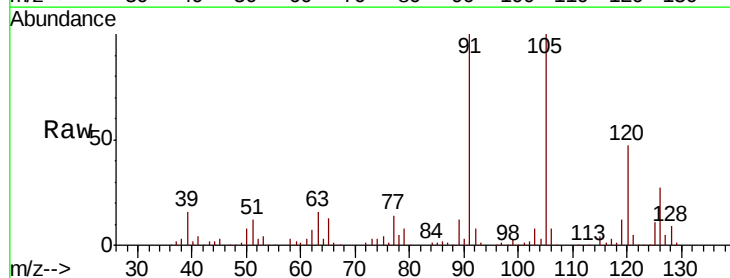
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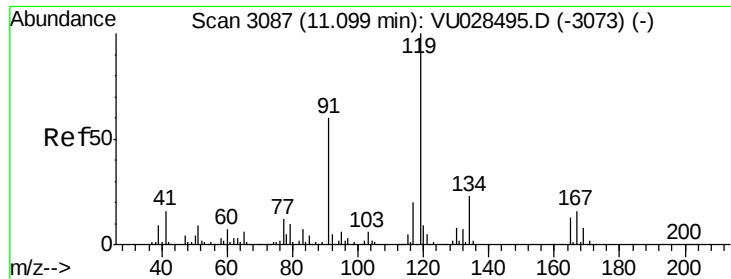
MMDadoda
12/11/2018 12:10:24 PM



#82
4-Chlorotoluene
Concen: 49.363 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.1	42.3





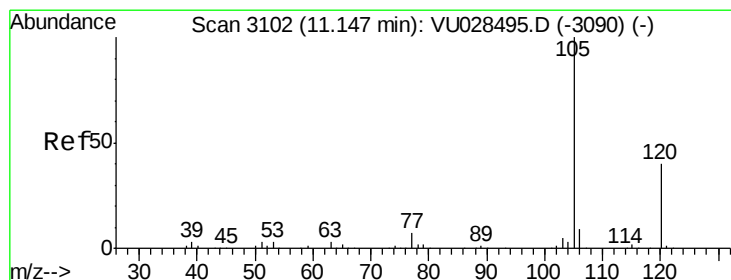
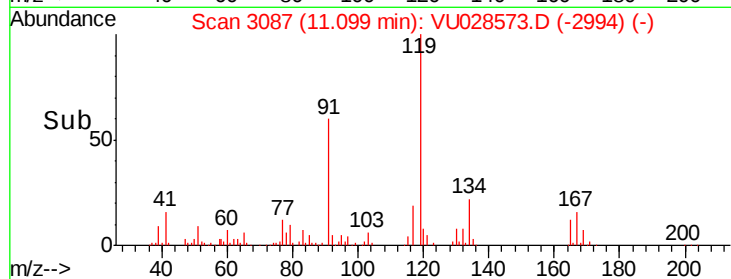
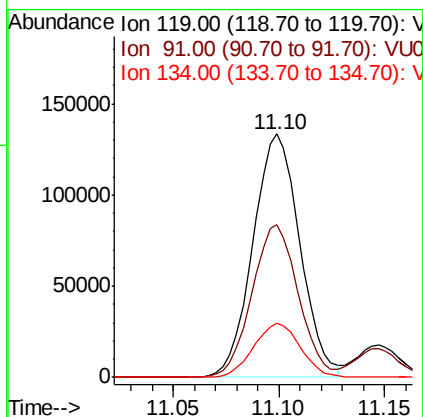
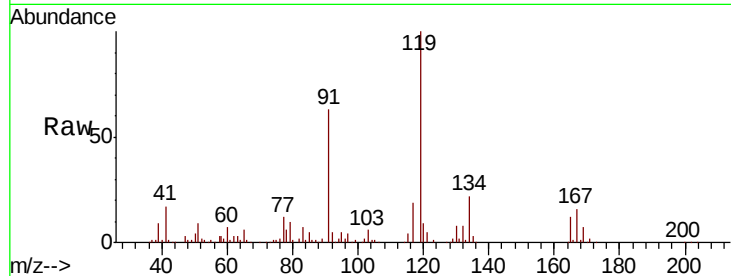
#83
tert-Butylbenzene
Concen: 49.727 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.3	91.0
134	22.0	11.2	33.5

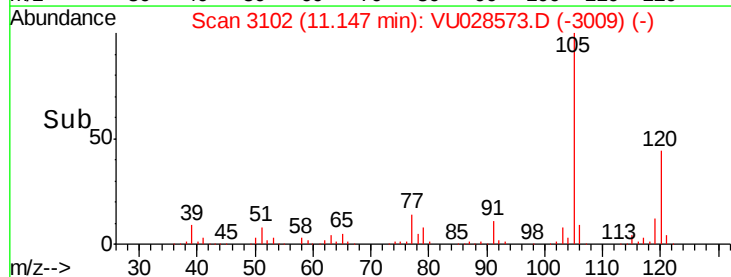
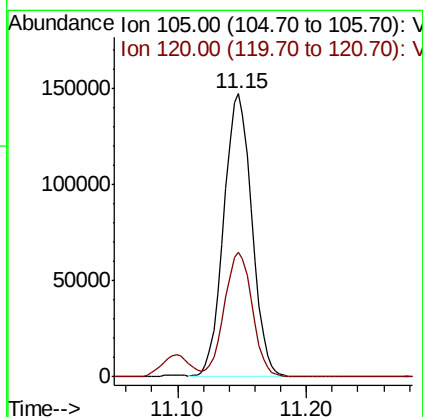
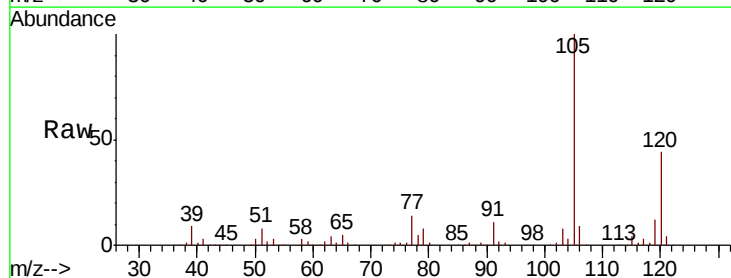
Manual Integrations
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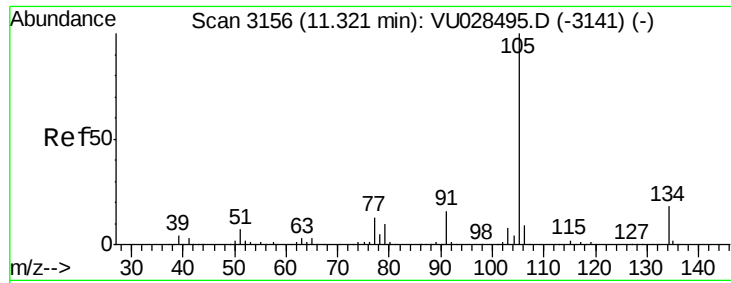
MMDadoda
12/11/2018 12:10:24 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.112 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4





#85

sec-Butylbenzene

Concen: 49.602 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 265168

Ion Ratio Lower Upper

105 100

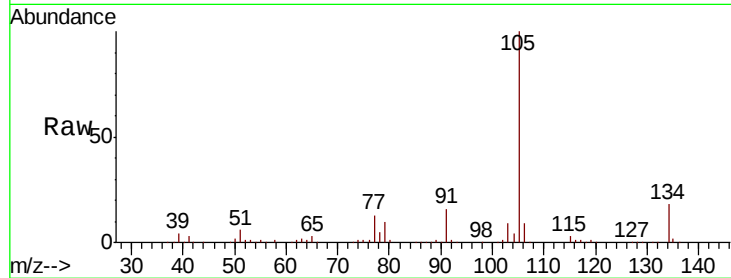
134 18.2 9.2 27.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

50000

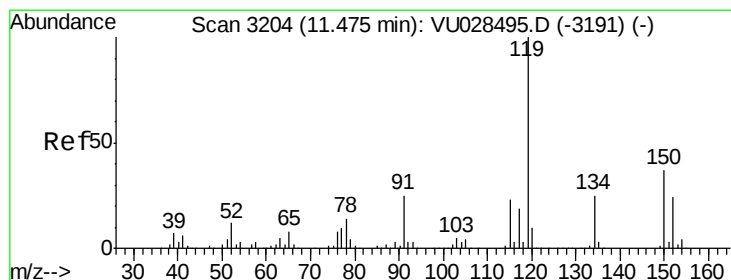
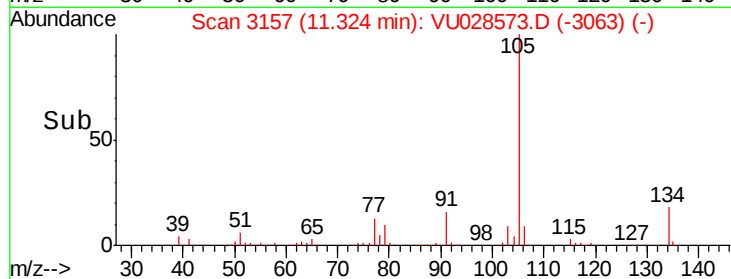
0

11.32

11.30

11.40

Time-->



#86

p-Isopropyltoluene

Concen: 48.689 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

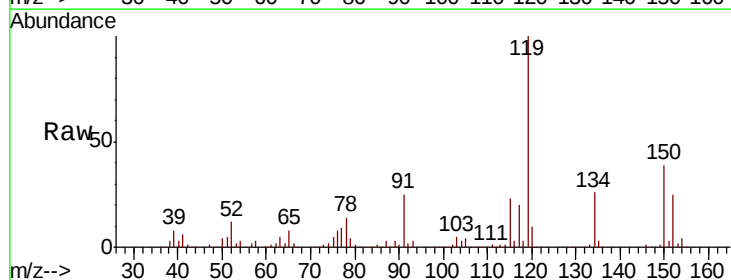
Tgt Ion:119 Resp: 221105

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.9 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

200000

150000

100000

50000

0

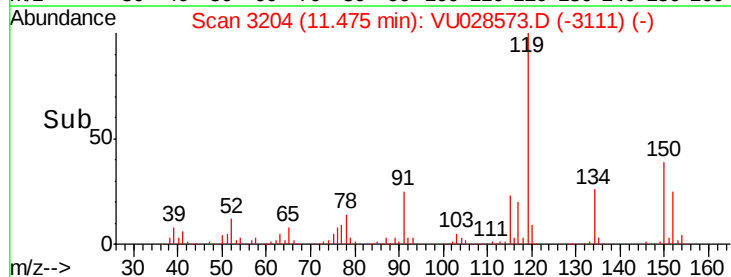
11.48

11.45

11.50

11.55

Time-->





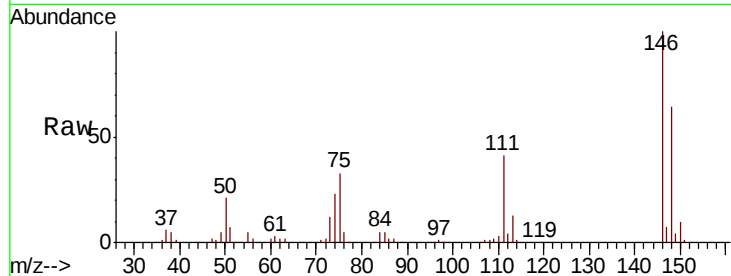
#87
 1,3-Dichlorobenzene
 Concen: 48.620 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.4	31.9	95.7

Manual Integrations
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 12/11/2018 12:10:24 PM

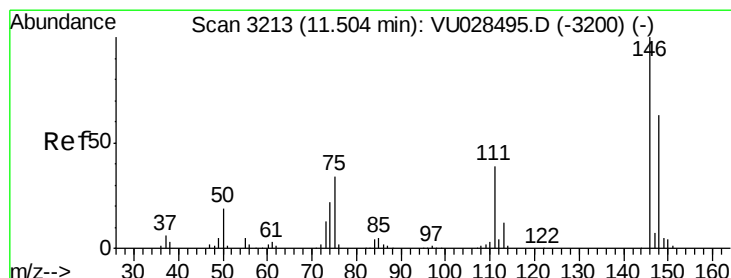
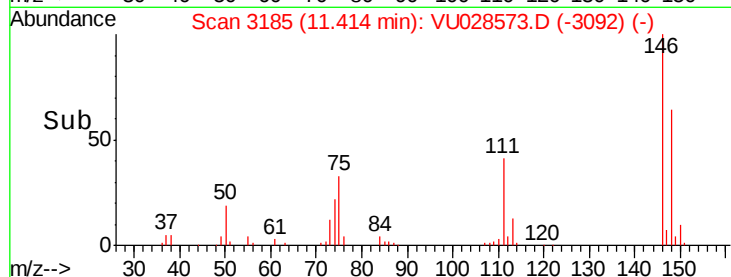
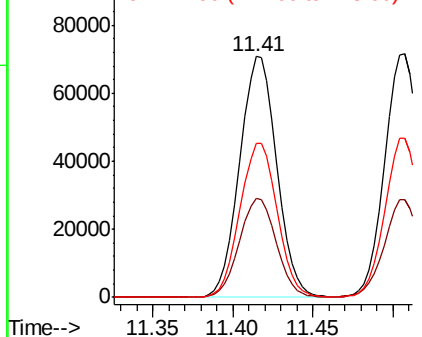


Abundance

Ion 145.90 (145.60 to 146.60): V

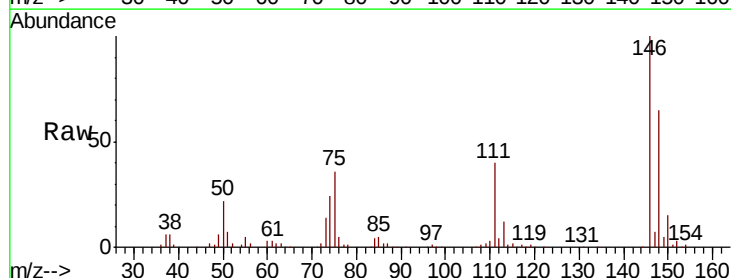
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 47.319 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.5
148	65.0	31.6	95.0

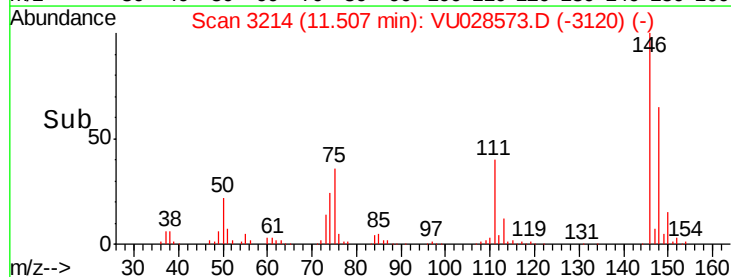
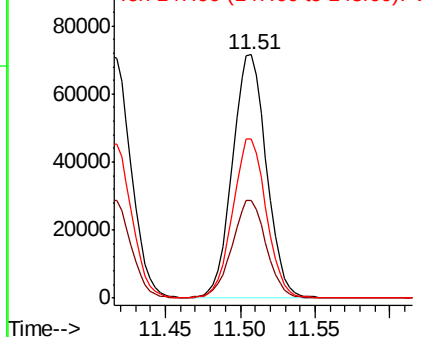


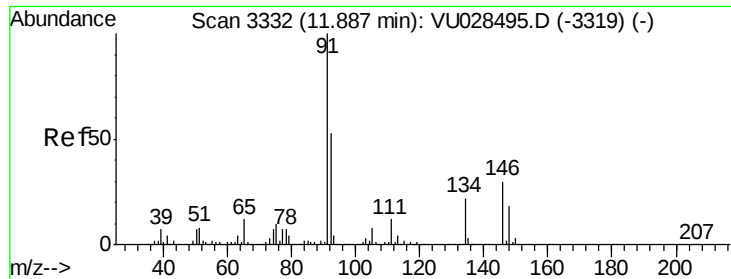
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





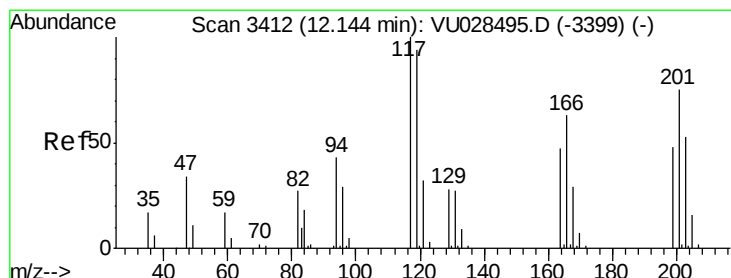
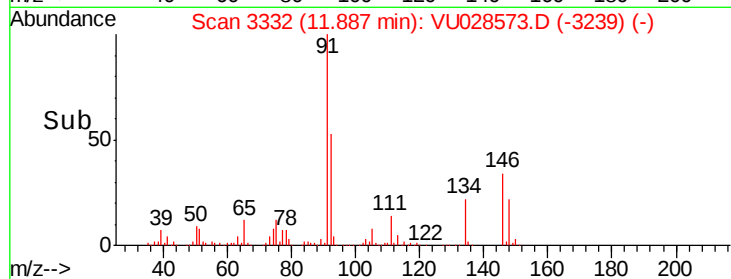
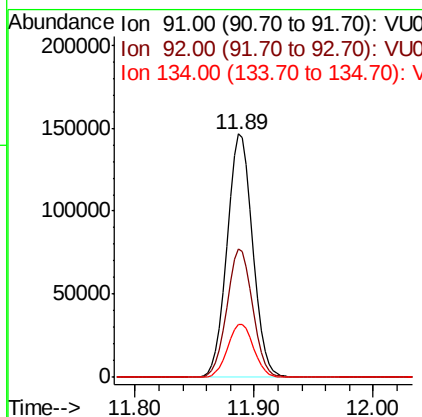
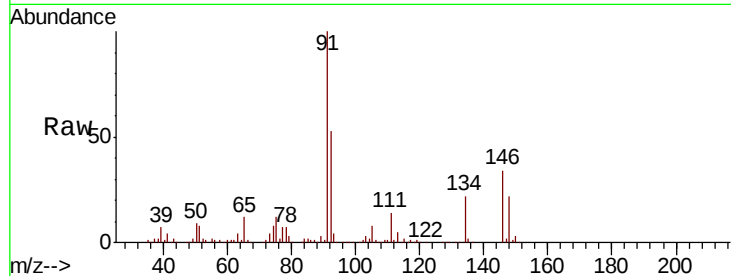
#89
n-Butylbenzene
Concen: 47.480 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	22.2	11.3	33.8

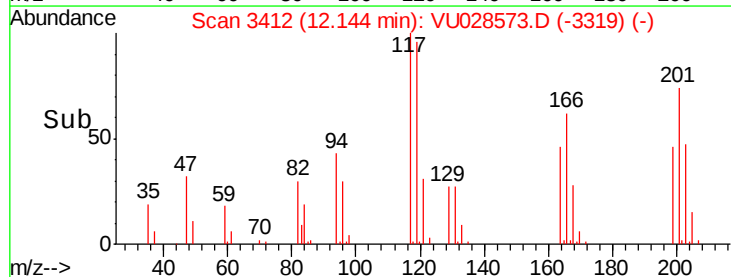
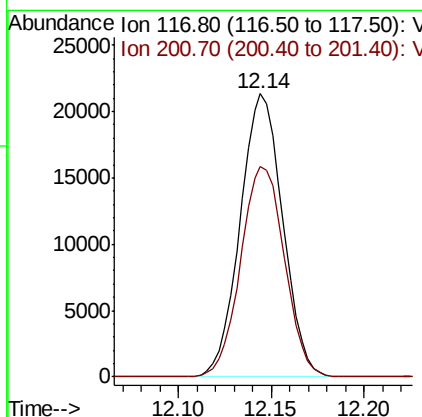
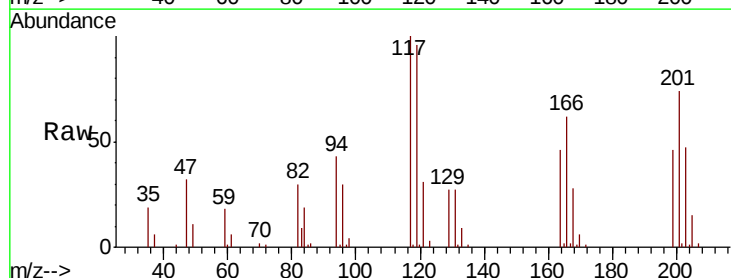
Manual Integrations
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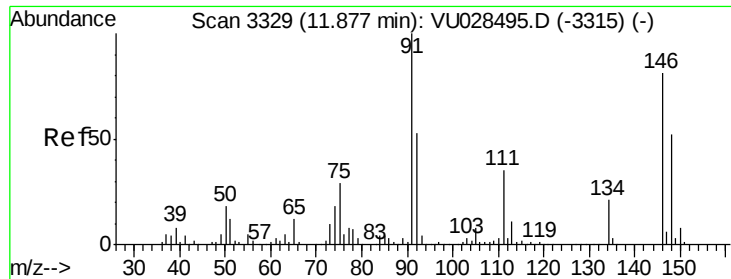
MMDadoda
12/11/2018 12:10:24 PM



#90
Hexachloroethane
Concen: 49.513 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.4	38.1	114.5





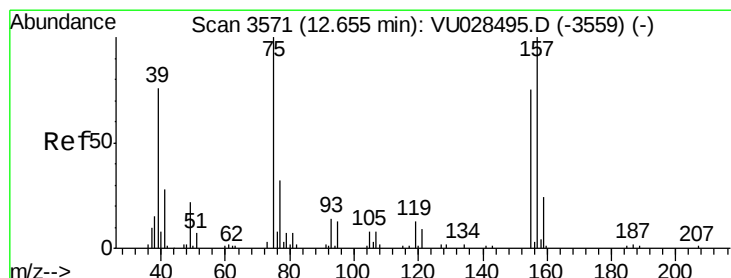
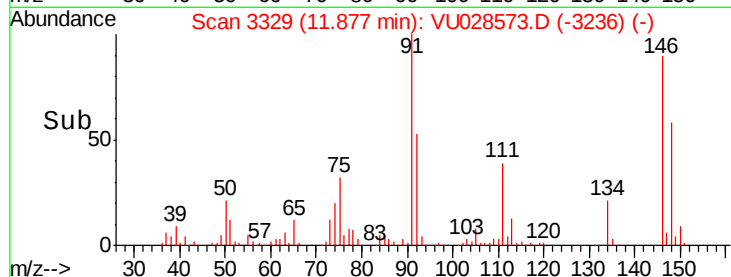
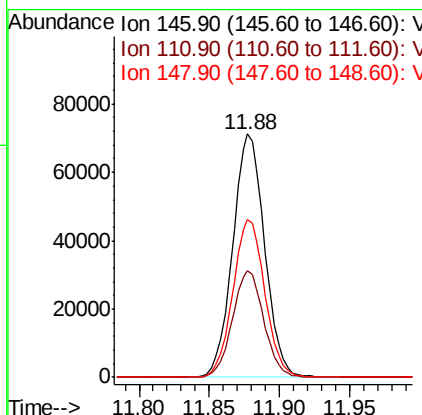
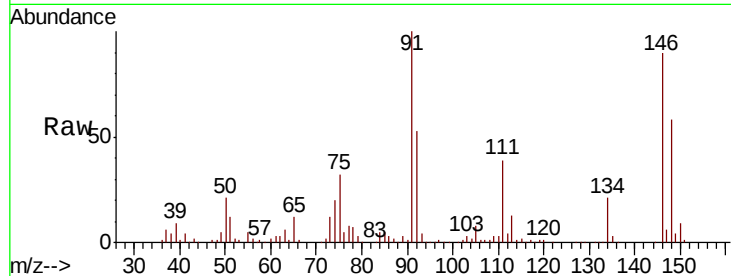
#91
 1,2-Dichlorobenzene
 Concen: 48.863 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.4
148	65.0	31.4	94.2

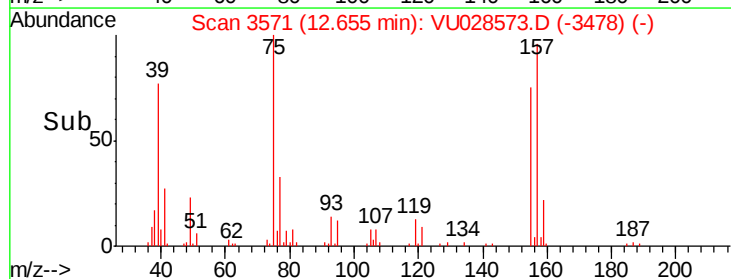
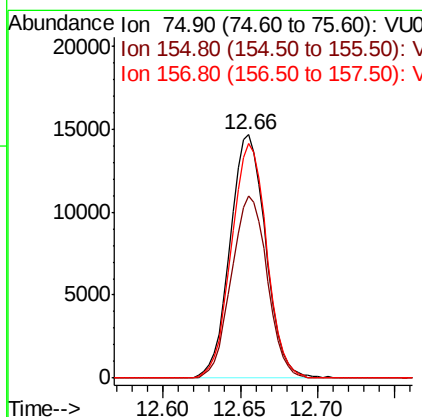
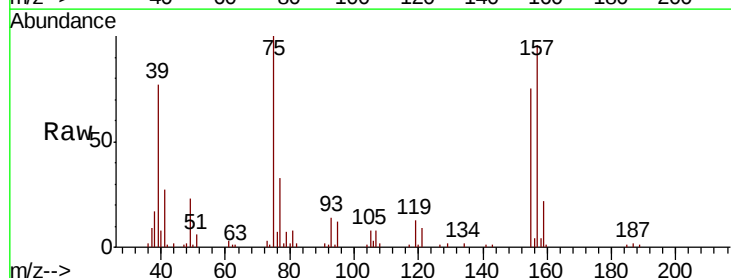
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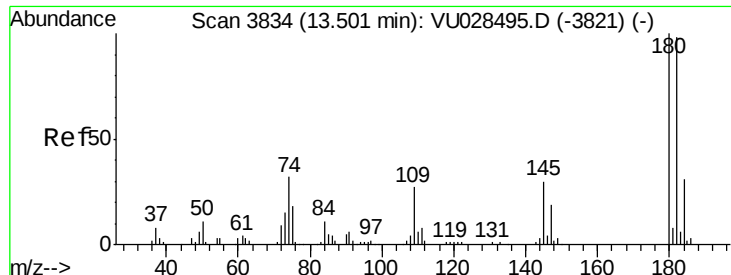
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.915 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	38.1	114.5
157	95.5	48.7	146.1





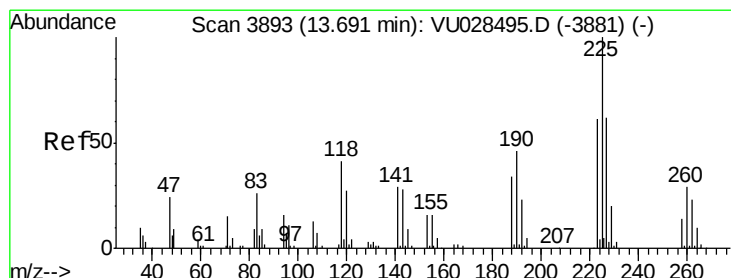
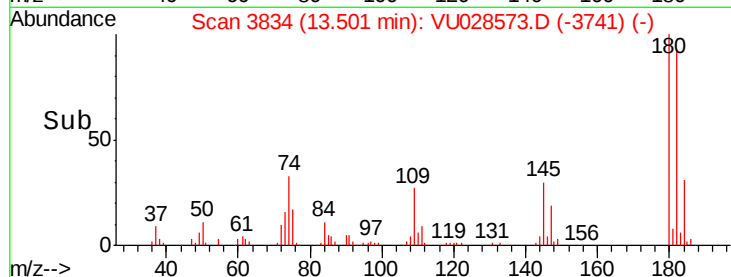
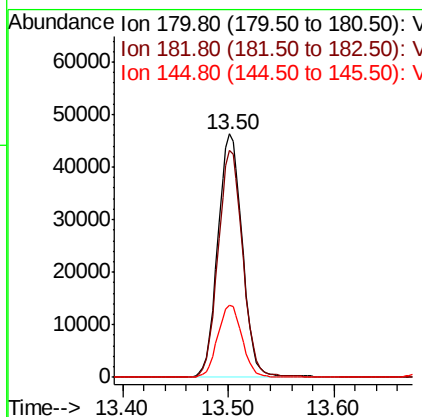
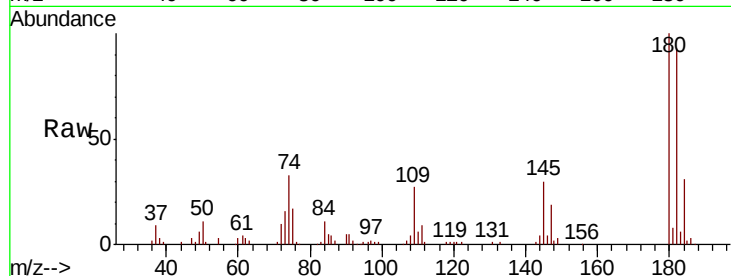
#93
 1,2,4-Trichlorobenzene
 Concen: 47.124 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.8
145	29.4	15.0	45.1

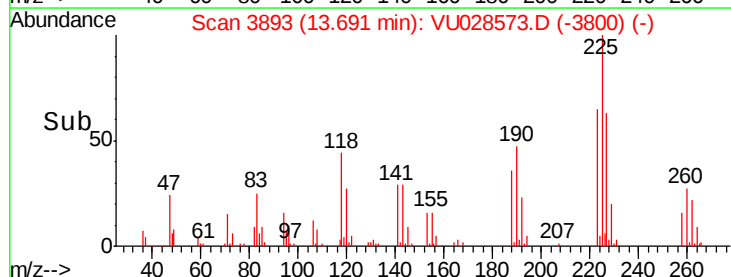
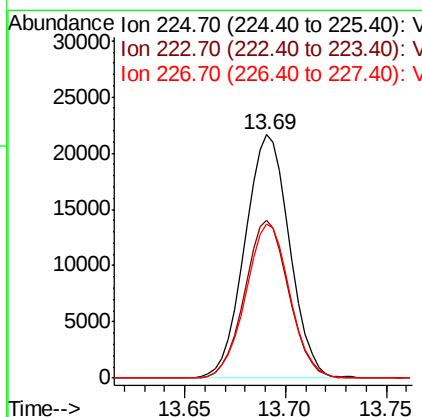
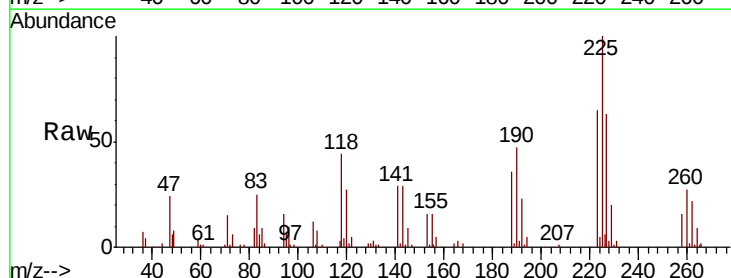
Manual Integrations
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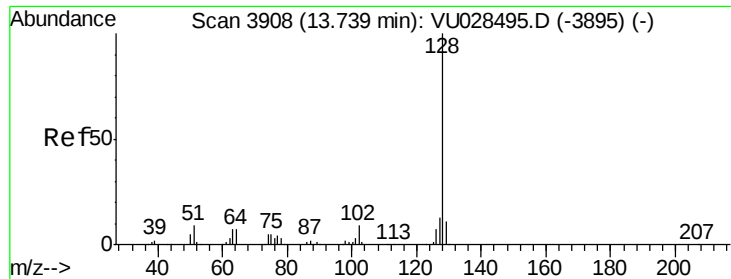
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#94
 Hexachlorobutadiene
 Concen: 44.390 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.4	91.2
227	62.6	30.7	92.1





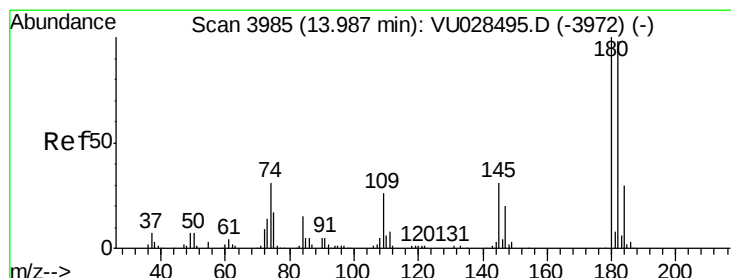
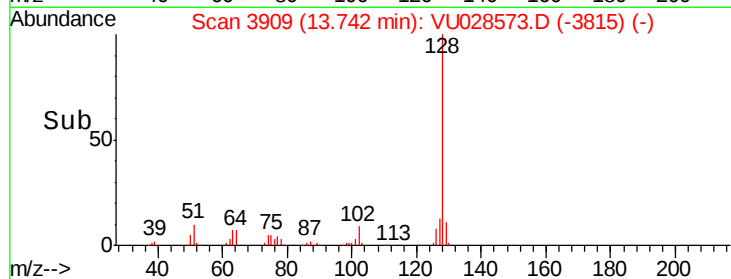
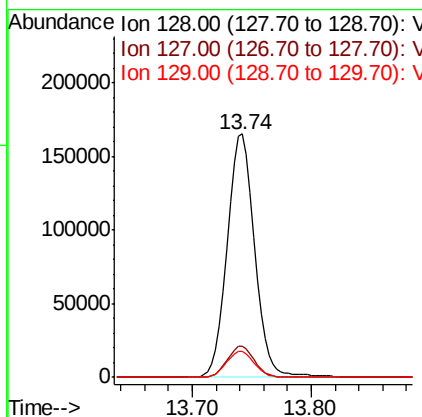
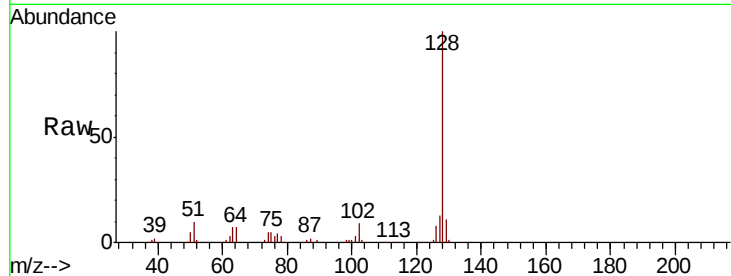
#95
Naphthalene
Concen: 47.895 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.186 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.2	144.6
145	30.8	15.8	47.3

