

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122218\
 Data File : VU028909.D
 Acq On : 22 Dec 2018 10:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 11:48:37 AM

Quant Time: Dec 24 05:03:19 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	108786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	176188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	85397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	72239	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
35) Dibromofluoromethane	4.88	113	60483	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
50) Toluene-d8	7.56	98	232172	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	84655	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	69019	47.334	ug/l	99
3) Chloromethane	1.33	50	100520	37.497	ug/l	98
4) Vinyl Chloride	1.40	62	89162	46.088	ug/l	99
5) Bromomethane	1.60	94	51207	65.709	ug/l	97
6) Chloroethane	1.68	64	52946	48.343	ug/l	99
7) Trichlorofluoromethane	1.88	101	96926	47.620	ug/l	100
8) Diethyl Ether	2.10	74	46146	48.458	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64937	53.344	ug/l	96
10) Methyl Iodide	2.40	142	58594	61.344	ug/l	94
11) Tert butyl alcohol	2.83	59	83563	225.923	ug/l	98
12) 1,1-Dichloroethene	2.28	96	62807	51.855	ug/l	87
13) Acrolein	2.19	56	58702	199.084	ug/l	99
14) Allyl chloride	2.59	41	122905	42.894	ug/l	92
15) Acrylonitrile	2.93	53	233082	226.979	ug/l	97
16) Acetone	2.32	43	251104	231.791	ug/l	91
17) Carbon Disulfide	2.47	76	204323	46.827	ug/l	100
18) Methyl Acetate	2.61	43	122116	43.485	ug/l	93
19) Methyl tert-butyl Ether	3.00	73	215159	46.860	ug/l	99
20) Methylene Chloride	2.70	84	75872	47.510	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	67377	49.407	ug/l	93
22) Diisopropyl ether	3.57	45	236584	42.459	ug/l #	97
23) Vinyl Acetate	3.52	43	942908	205.155	ug/l #	95
24) 1,1-Dichloroethane	3.44	63	133434	45.748	ug/l	99
25) 2-Butanone	4.26	43	325323	219.744	ug/l	93
26) 2,2-Dichloropropane	4.22	77	107628	46.570	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	78252	50.697	ug/l	90
28) Bromochloromethane	4.55	49	57365	43.263	ug/l #	83
29) Tetrahydrofuran	4.63	42	196060	206.202	ug/l	90
30) Chloroform	4.67	83	124679	49.045	ug/l	96
31) Cyclohexane	4.99	56	127371	44.621	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	100448	47.576	ug/l	97
36) 1,1-Dichloropropene	5.13	75	97122	50.374	ug/l	96
37) Ethyl Acetate	4.38	43	109790	44.051	ug/l	95
38) Carbon Tetrachloride	5.13	117	80638	51.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	120501	51.231	ug/l	94
40) Benzene	5.39	78	305551	53.809	ug/l	98
41) Methacrylonitrile	4.54	41	60616	44.410	ug/l	93
42) 1,2-Dichloroethane	5.40	62	93664	47.123	ug/l	97
43) Isopropyl Acetate	5.55	43	172606	43.785	ug/l #	94
44) Trichloroethene	6.18	130	72311	57.272	ug/l	93
45) 1,2-Dichloropropane	6.43	63	82974	51.962	ug/l	97
46) Dibromomethane	6.56	93	50335	53.128	ug/l	93
47) Bromodichloromethane	6.75	83	95336	51.710	ug/l	100
48) Methyl methacrylate	6.62	41	86665	44.207	ug/l	89
49) 1,4-Dioxane	6.61	88	38866	1255.583	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	549603	221.049	ug/l	94
52) Toluene	7.64	92	182930	54.739	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112526	51.247	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	122615	51.470	ug/l #	90
55) 1,1,2-Trichloroethane	8.06	97	74678	56.531	ug/l	98
56) Ethyl methacrylate	8.02	69	115087	50.875	ug/l	88
57) 1,3-Dichloropropane	8.24	76	127184	51.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	270953	233.845	ug/l	94
59) 2-Hexanone	8.36	43	446309	226.473	ug/l	91
60) Dibromochloromethane	8.48	129	71033	54.922	ug/l	100
61) 1,2-Dibromoethane	8.58	107	77213	55.738	ug/l	97
64) Tetrachloroethene	8.22	164	63465	57.458	ug/l	97
65) Chlorobenzene	9.12	112	195942	55.529	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	65392	58.033	ug/l	100
67) Ethyl Benzene	9.25	91	340265	52.455	ug/l	98
68) m/p-Xylenes	9.37	106	266049	112.715	ug/l	95
69) o-Xylene	9.78	106	126312	55.067	ug/l	96
70) Styrene	9.79	104	213866	56.339	ug/l	96
71) Bromoform	9.96	173	56419	58.858	ug/l #	100
73) Isopropylbenzene	10.17	105	335710	51.231	ug/l	99
74) N-amyl acetate	10.01	43	152474	40.339	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	131628	52.291	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	118741m	54.453	ug/l	
77) Bromobenzene	10.45	156	84374	55.055	ug/l	90
78) n-propylbenzene	10.59	91	408982	50.228	ug/l	99
79) 2-Chlorotoluene	10.66	91	239696	51.105	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	282343	52.052	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	40138m	45.306	ug/l	
82) 4-Chlorotoluene	10.77	91	272992	49.117	ug/l	95
83) tert-Butylbenzene	11.10	119	272306	52.084	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	290483	51.964	ug/l	97
85) sec-Butylbenzene	11.32	105	343805	51.188	ug/l	98
86) p-Isopropyltoluene	11.48	119	296365	51.944	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	155575	53.761	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	155669	51.994	ug/l	98
89) n-Butylbenzene	11.89	91	280527	48.583	ug/l	98
90) Hexachloroethane	12.14	117	45515	52.779	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	156170	53.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25554	46.890	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103644	52.071	ug/l	98
94) Hexachlorobutadiene	13.69	225	47755	50.364	ug/l	98
95) Naphthalene	13.74	128	339084	48.817	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104740	52.900	ug/l	99

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

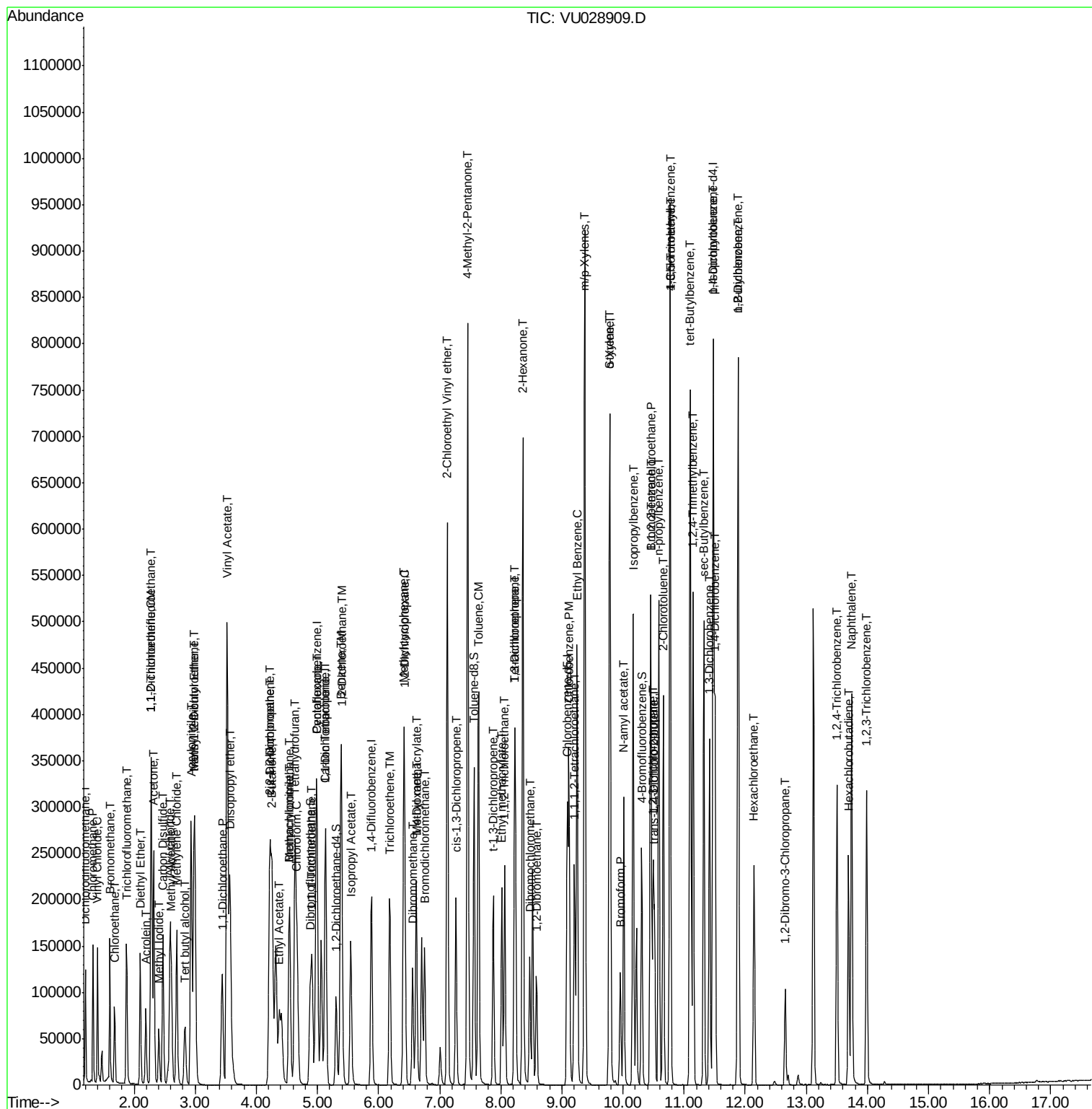
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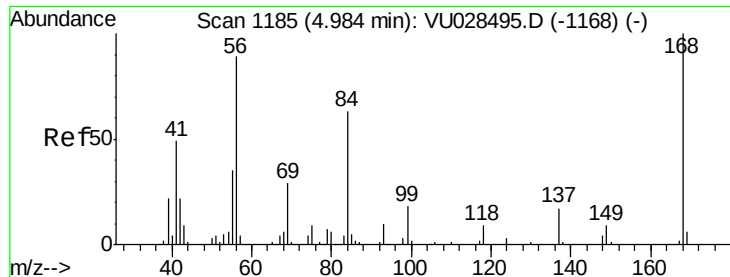
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 108786

Ion Ratio Lower Upper

168 100

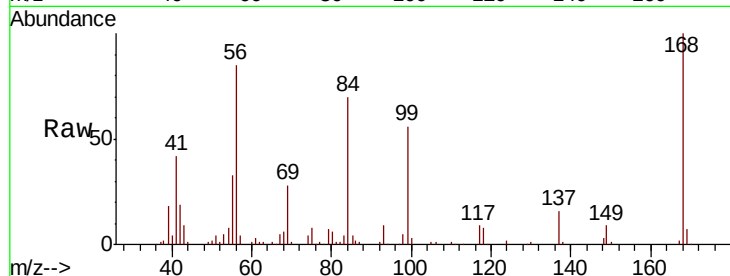
99 55.8 46.6 69.8

Manual Integrations

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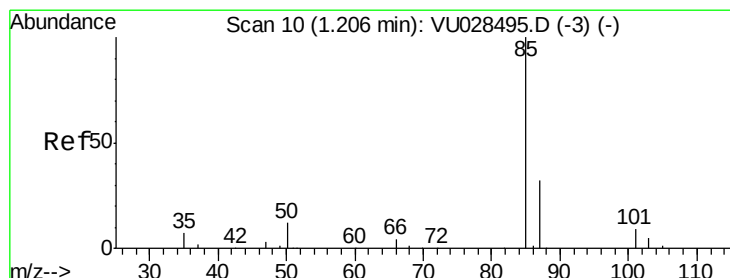
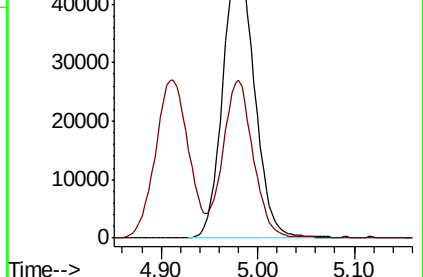
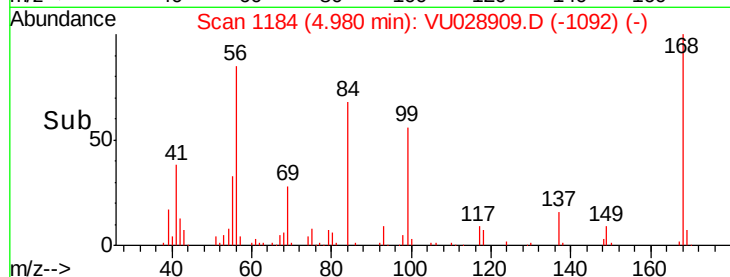


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 47.334 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028909.D

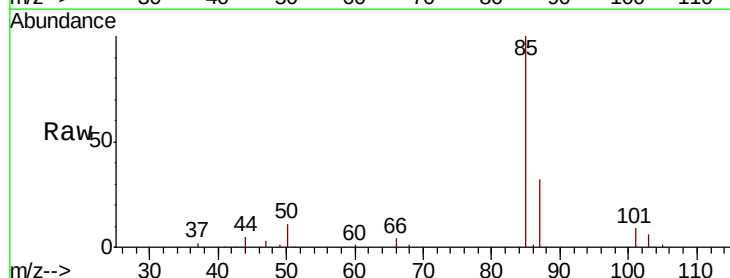
Acq: 22 Dec 2018 10:28

Tgt Ion: 85 Resp: 69019

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6

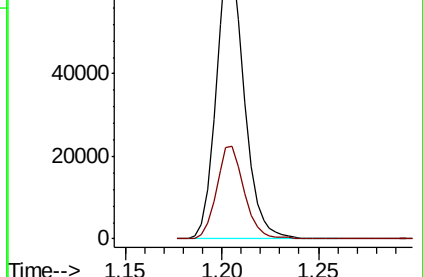
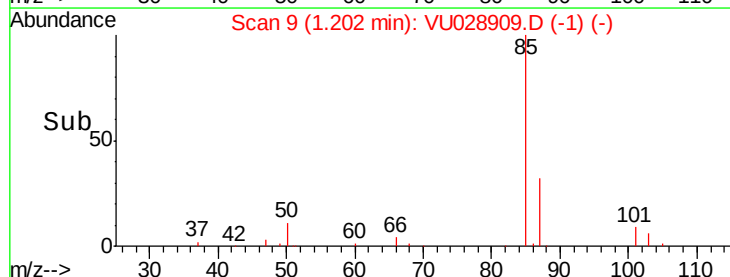


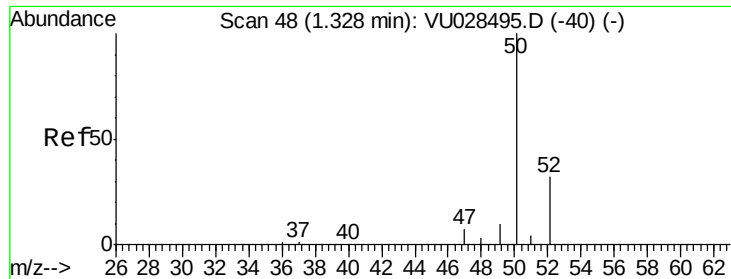
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.20

Time-->





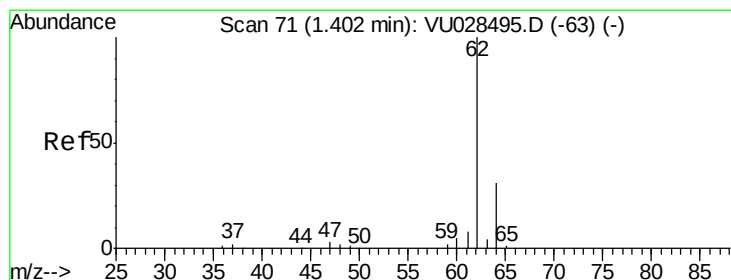
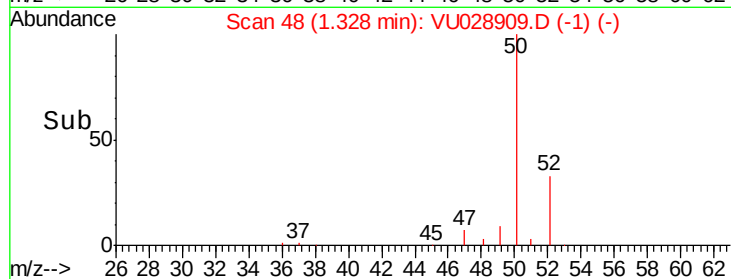
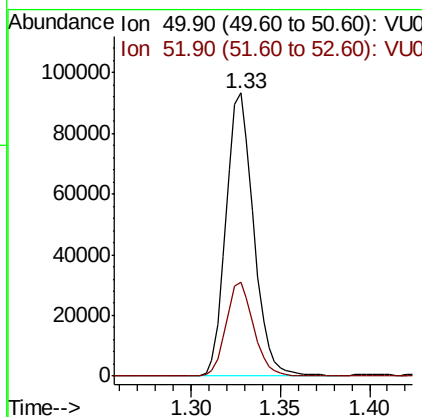
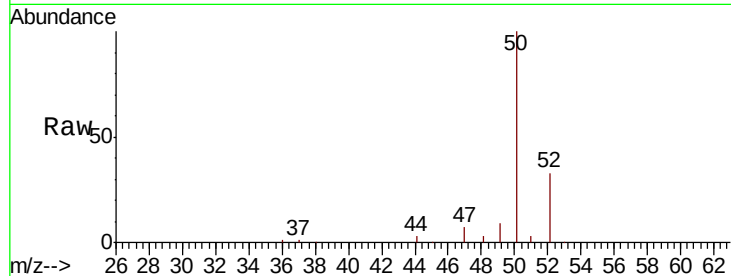
#3
Chloromethane
Concen: 37.497 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.5	38.3

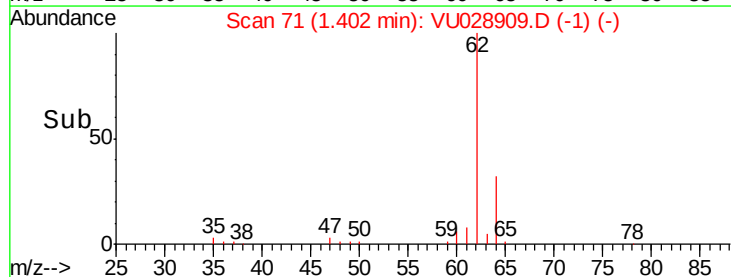
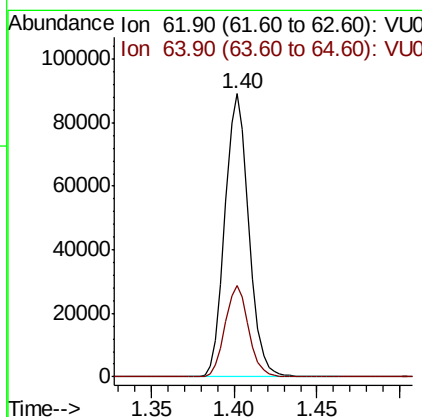
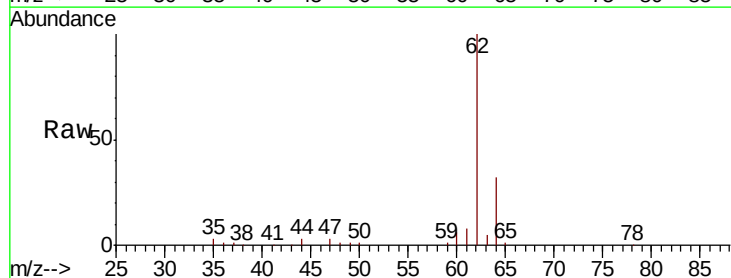
Manual Integrations
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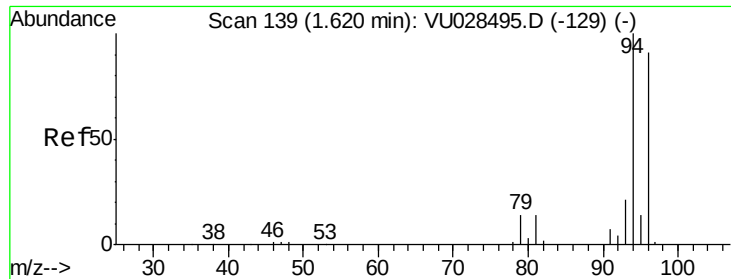
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12/24/2018 11:48:37 AM



#4
Vinyl Chloride
Concen: 46.088 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.1	37.7





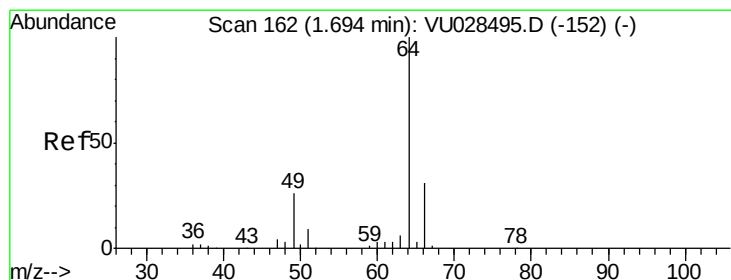
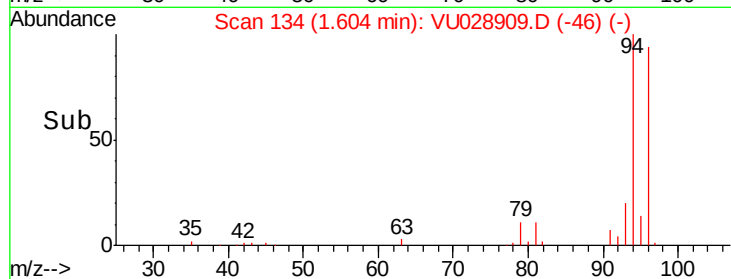
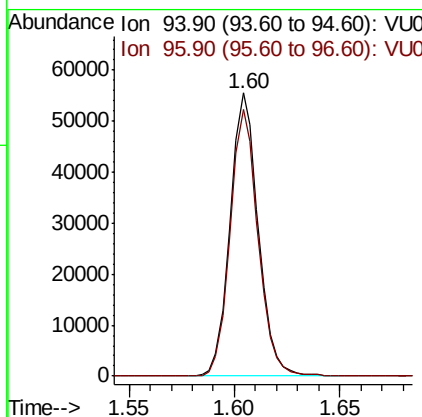
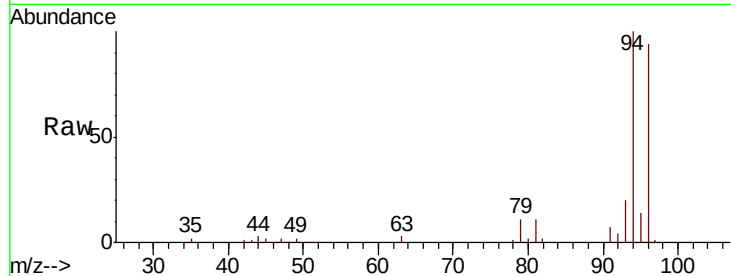
#5
Bromomethane
Concen: 65.709 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 51207
Ion Ratio Lower Upper
94 100
96 94.2 73.2 109.8

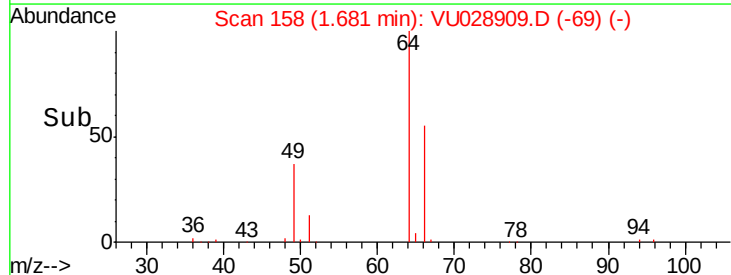
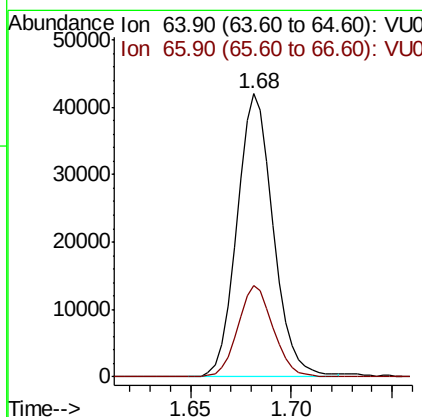
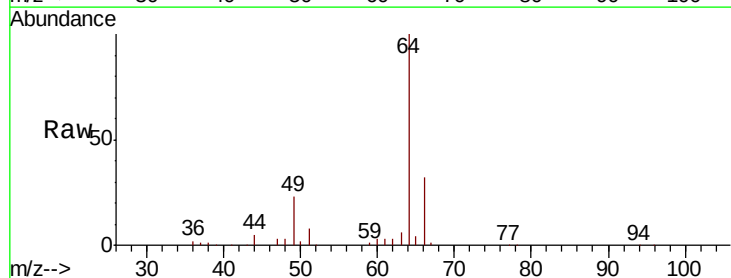
Manual Integrations
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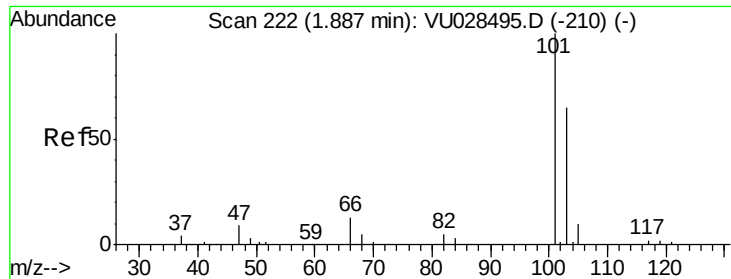
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12/24/2018 11:48:37 AM



#6
Chloroethane
Concen: 48.343 ug/l
RT: 1.68 min Scan# 158
Delta R.T. -0.01 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 64 Resp: 52946
Ion Ratio Lower Upper
64 100
66 32.1 25.0 37.6





#7

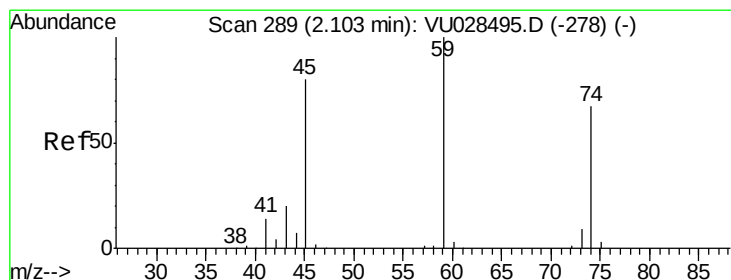
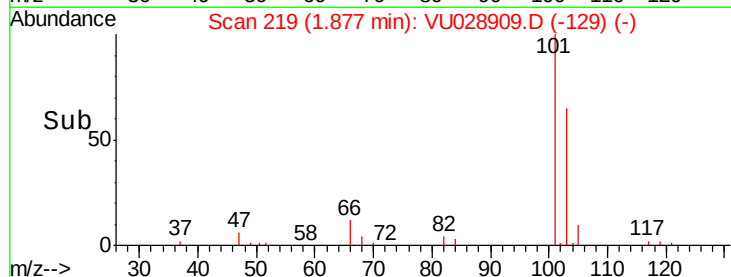
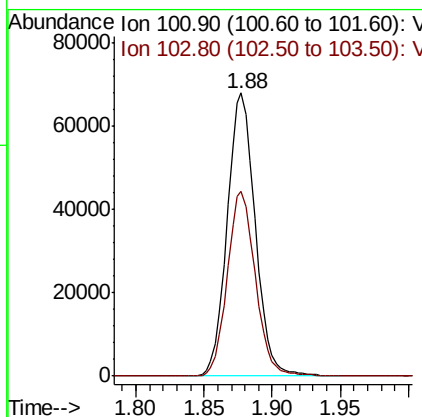
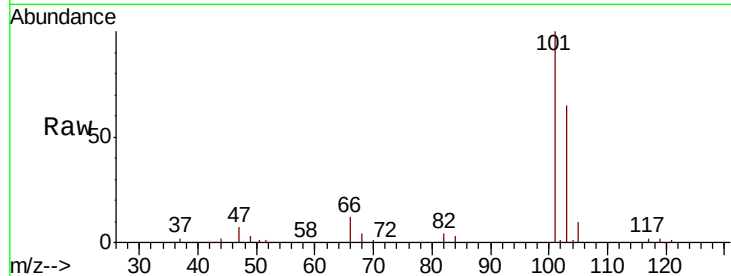
Trichlorofluoromethane
Concen: 47.620 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

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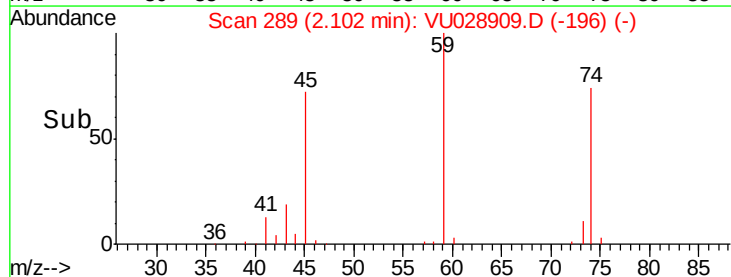
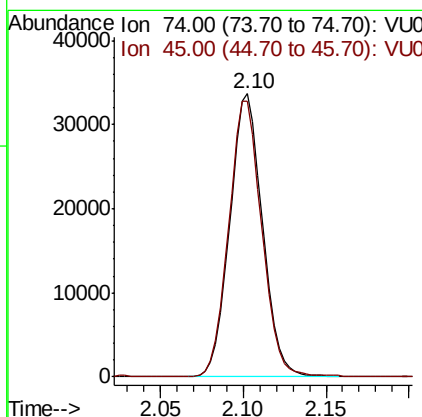
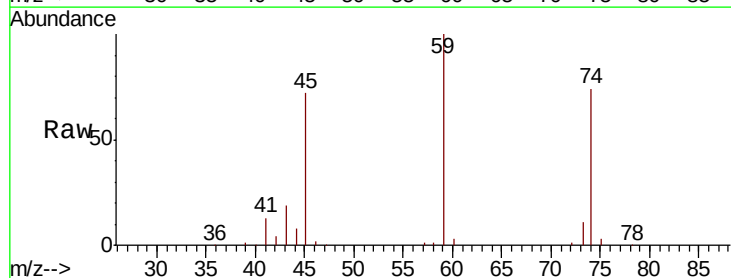
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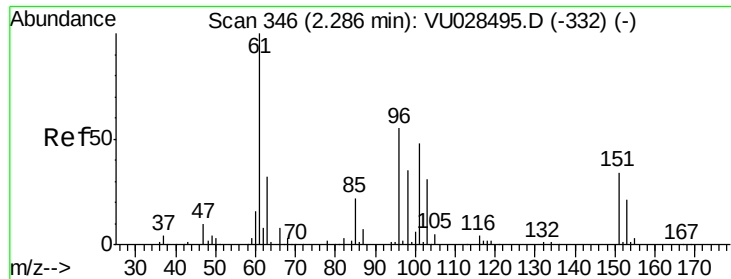


#8

Diethyl Ether
Concen: 48.458 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.344 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

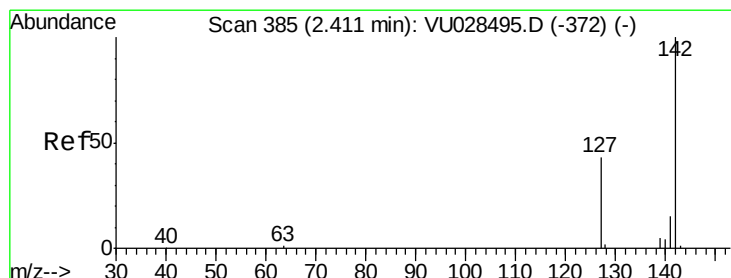
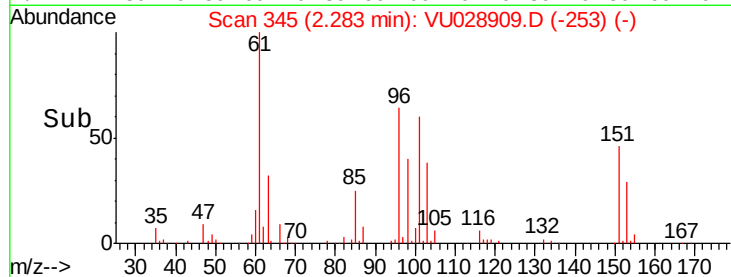
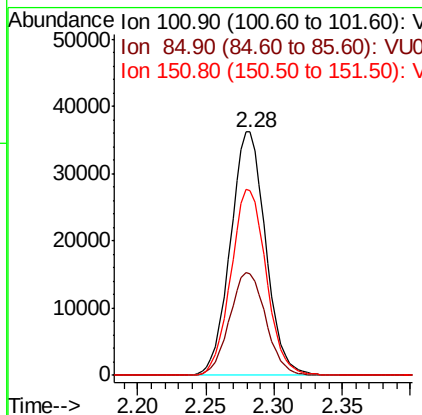
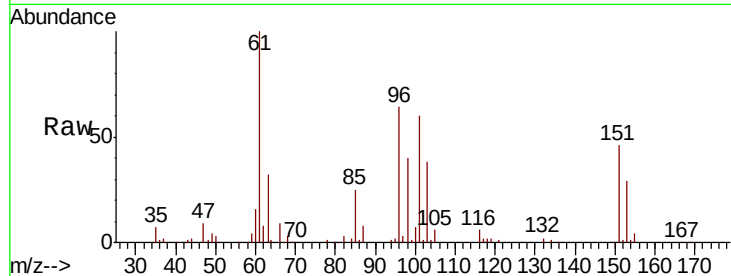
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	64937
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.4	54.6
151	76.5	58.2	87.2

Manual Integrations
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12/24/2018 11:48:37 AM



#10

Methyl Iodide

Concen: 61.344 ug/l

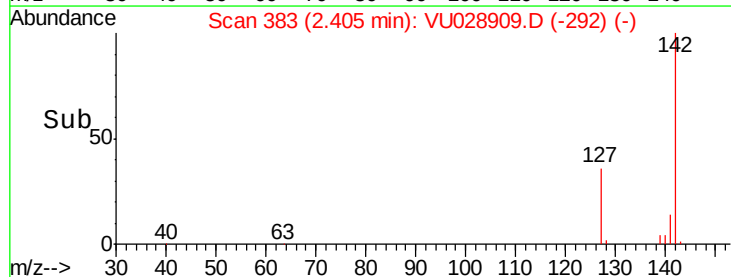
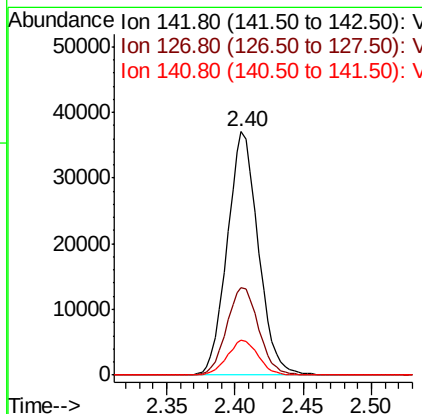
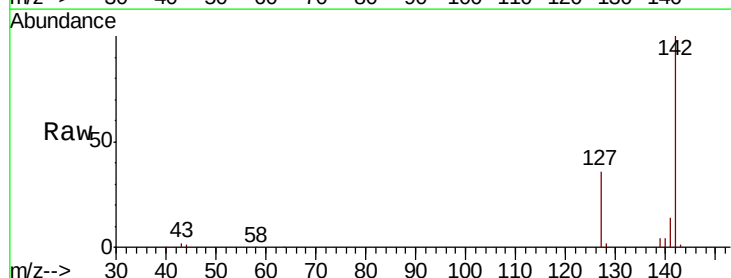
RT: 2.40 min Scan# 383

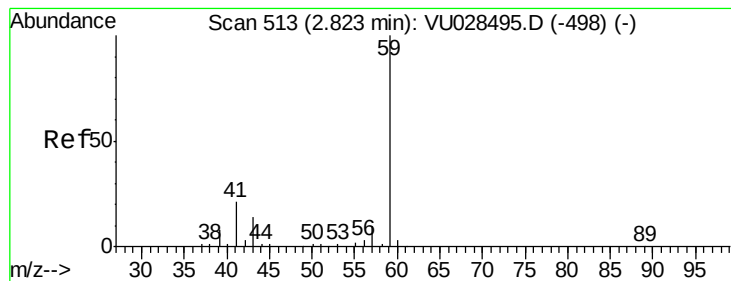
Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	142	Resp:	58594
Ion Ratio	Lower	Upper	
142	100		
127	36.9	33.5	50.3
141	14.1	11.2	16.8





#11

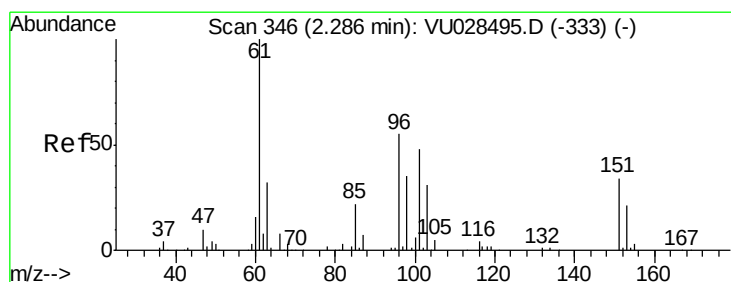
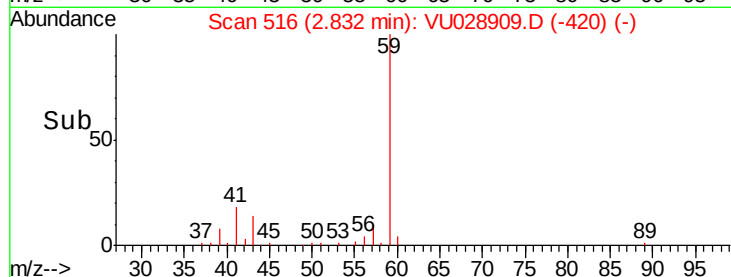
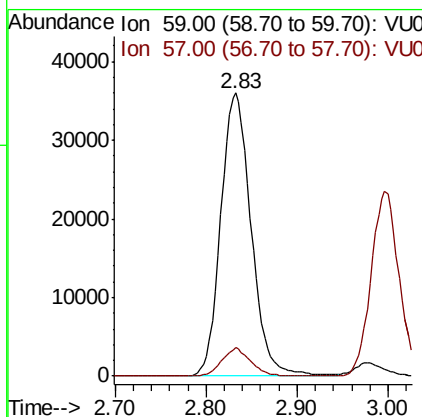
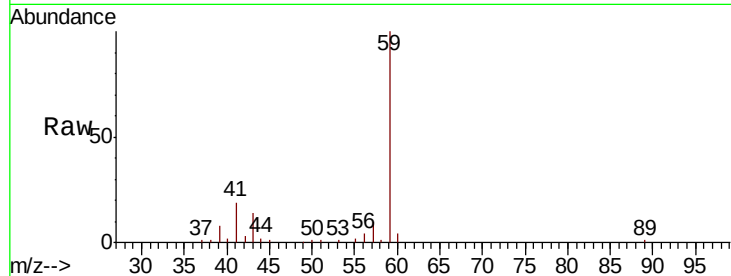
Tert butyl alcohol
 Concen: 225.923 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.0	12.0

Manual Integrations
 APPROVED

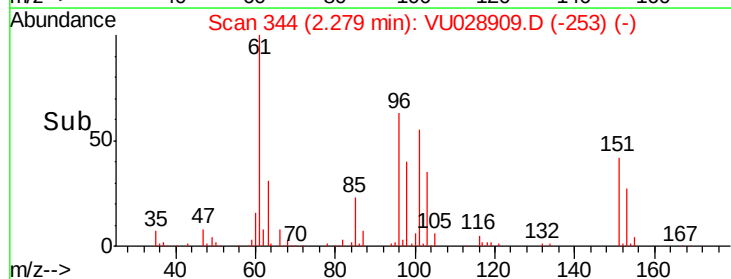
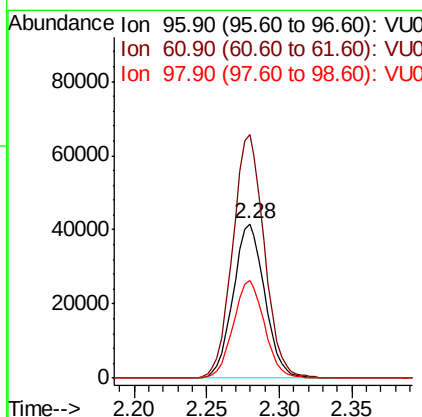
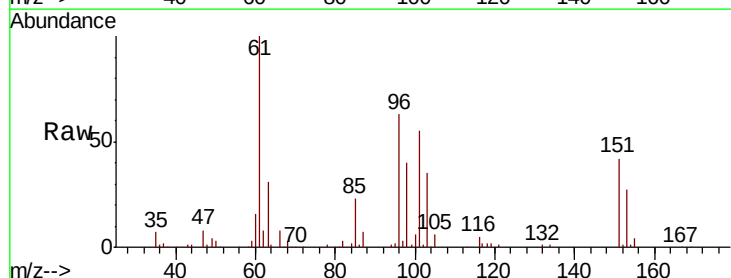
MMDadoda
 12/24/2018 11:48:37 AM

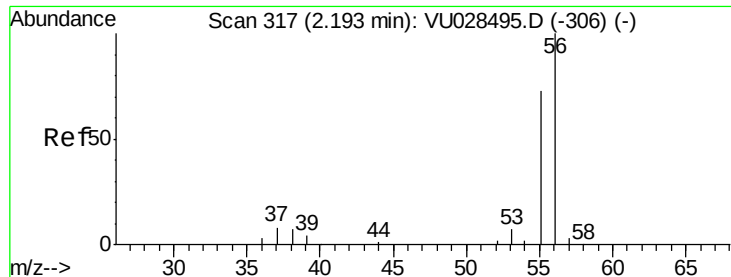


#12

1,1-Dichloroethene
 Concen: 51.855 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	146.4	219.6
98	63.1	51.8	77.8





#13

Acrolein

Concen: 199.084 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 58702

Ion Ratio Lower Upper

56 100

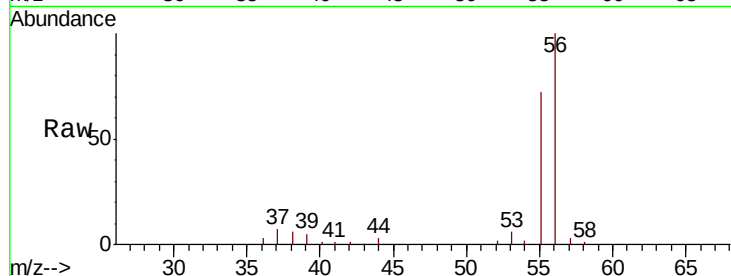
55 71.0 57.5 86.3

Manual Integrations

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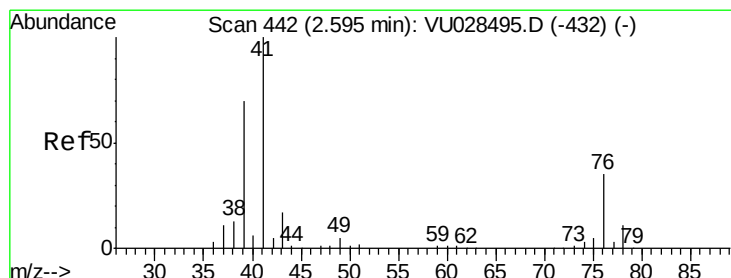
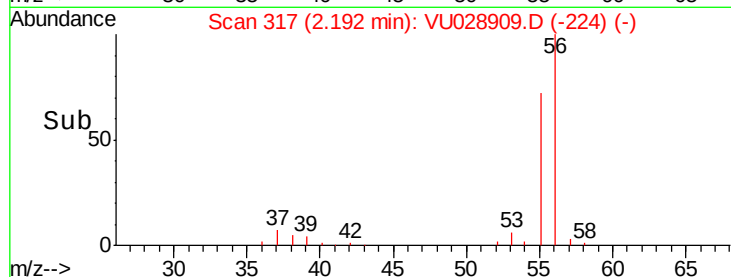
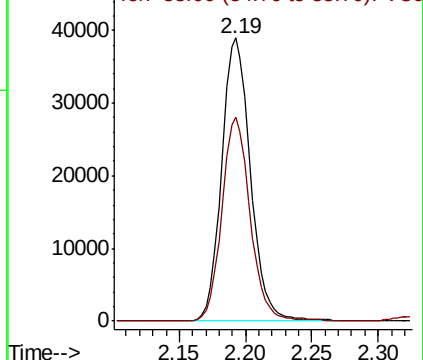
MMDadoda

12/24/2018 11:48:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.894 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

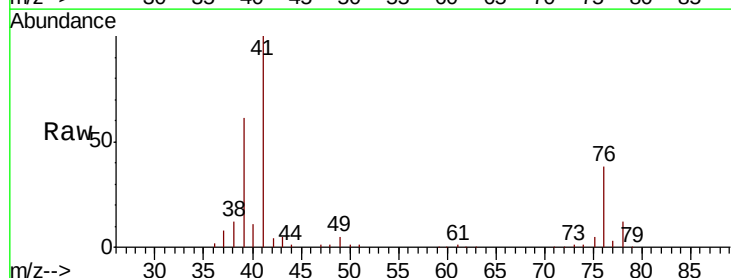
Tgt Ion: 41 Resp: 122905

Ion Ratio Lower Upper

41 100

39 55.6 50.8 76.2

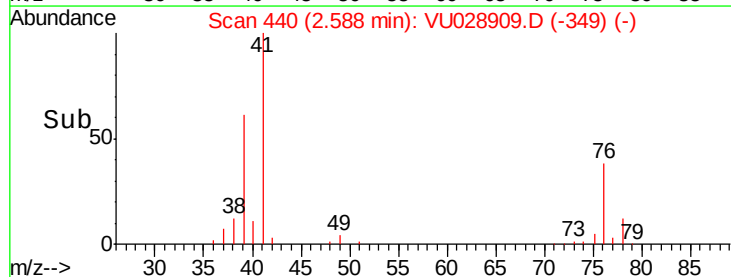
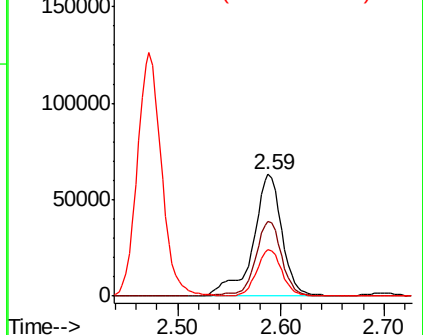
76 33.0 24.8 37.2

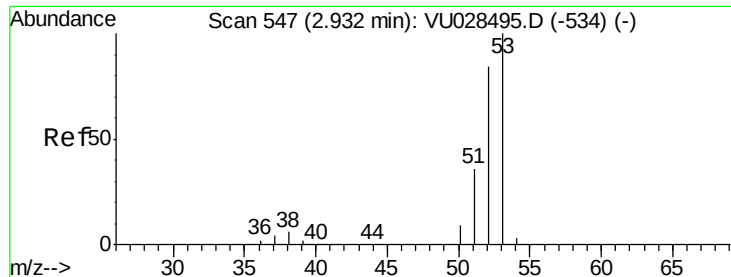


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 226.979 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

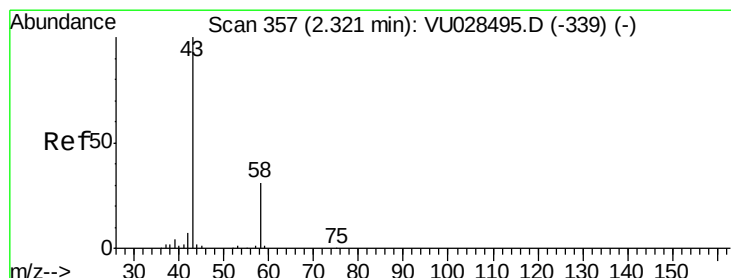
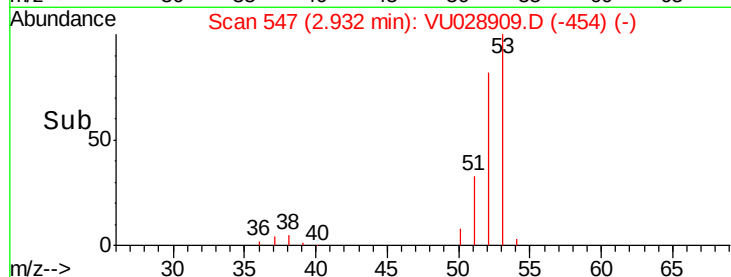
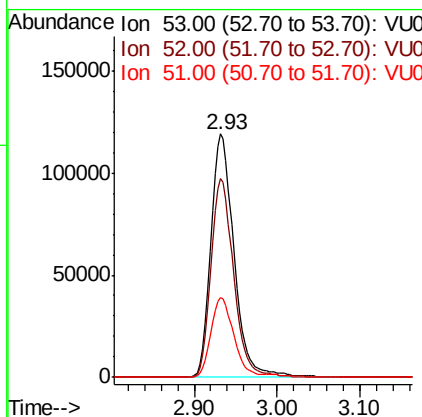
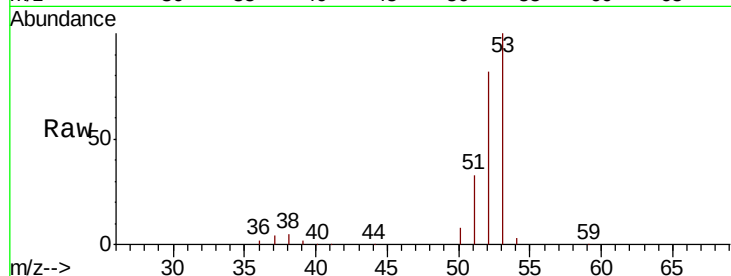
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	233082
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.1	99.1
51	32.3	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 231.791 ug/l

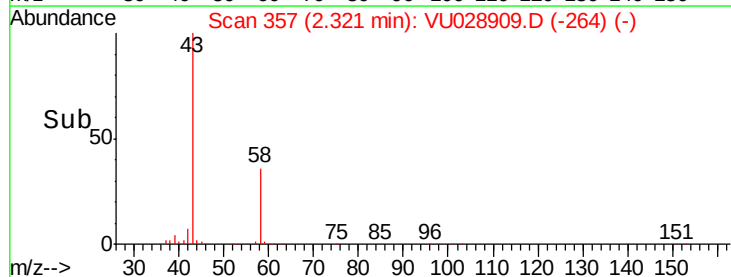
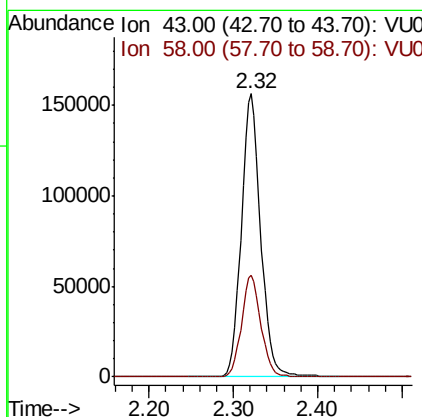
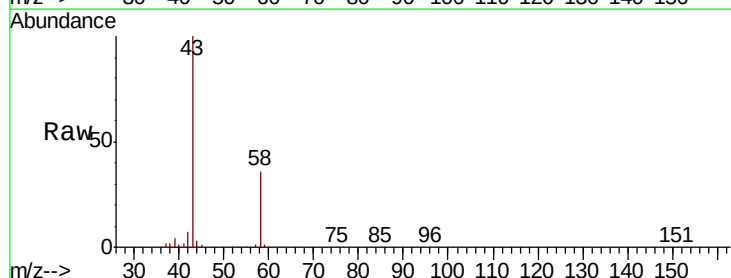
RT: 2.32 min Scan# 357

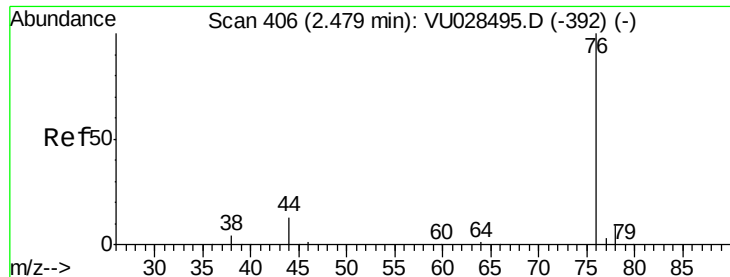
Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	43	Resp:	251104
Ion	Ratio	Lower	Upper
43	100		
58	35.8	24.6	37.0





#17

Carbon Disulfide

Concen: 46.827 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 204323

Ion Ratio Lower Upper

76 100

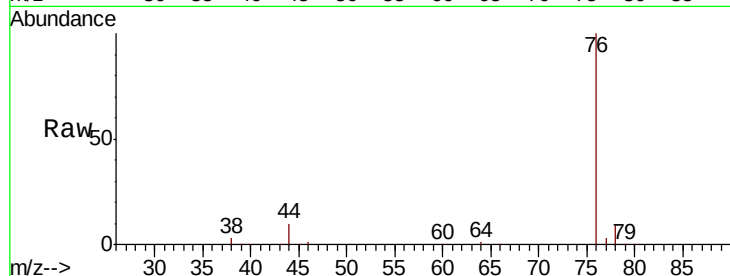
78 9.0 7.2 10.8

Manual Integrations

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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

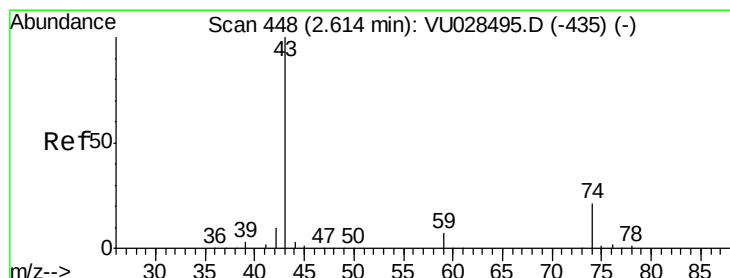
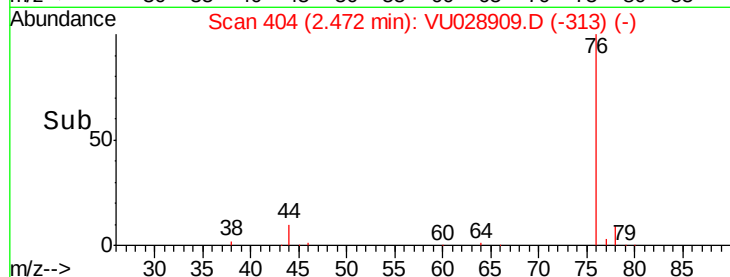
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.485 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028909.D

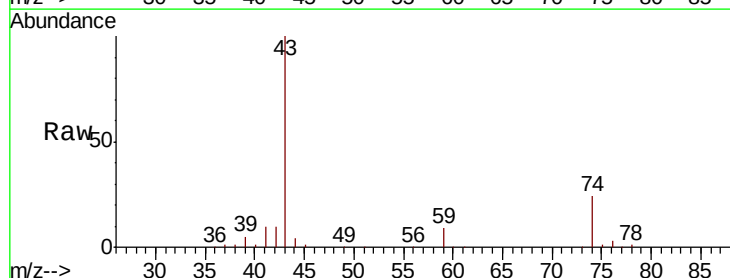
Acq: 22 Dec 2018 10:28

Tgt Ion: 43 Resp: 122116

Ion Ratio Lower Upper

43 100

74 23.7 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

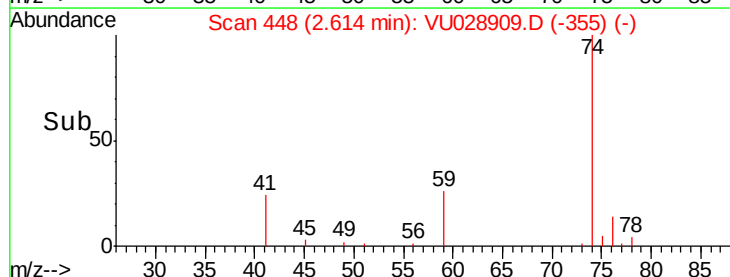
60000

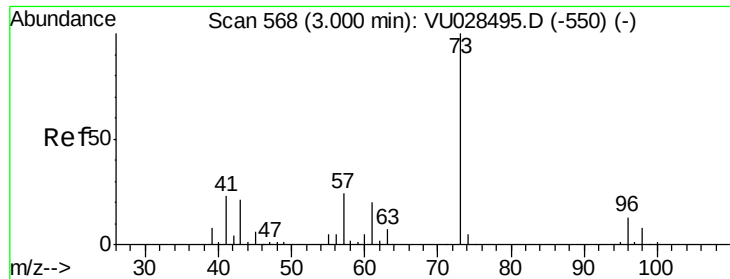
40000

20000

0

Time-->





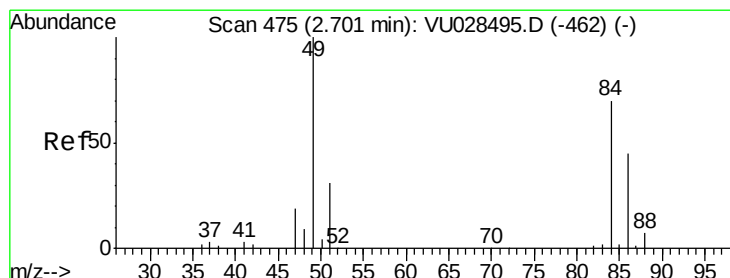
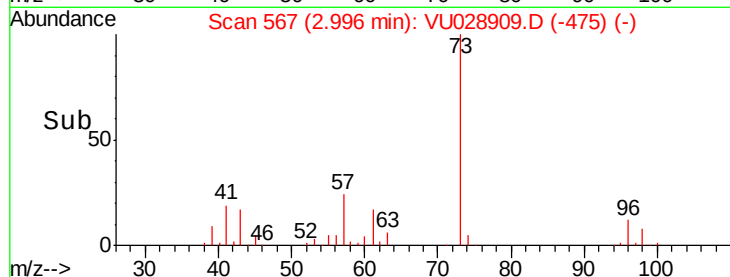
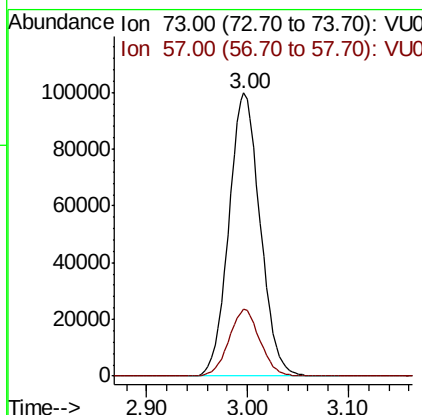
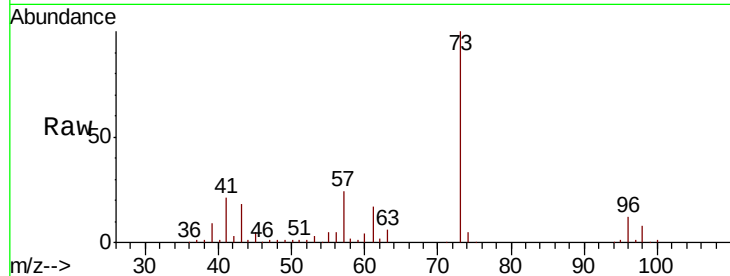
#19
Methyl tert-butyl Ether
Concen: 46.860 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 215159
Ion Ratio Lower Upper
73 100
57 23.6 19.4 29.2

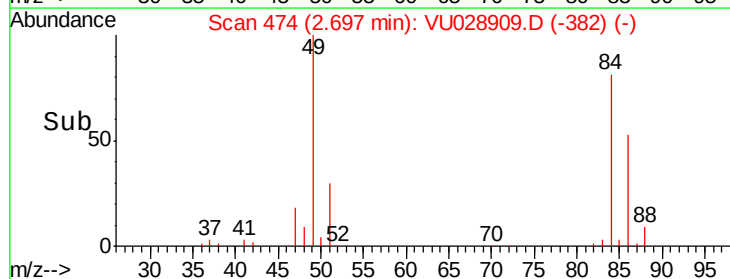
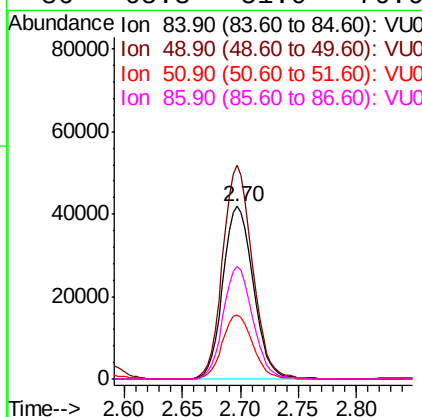
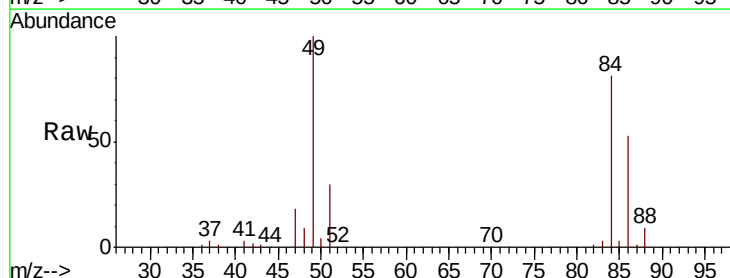
Manual Integrations
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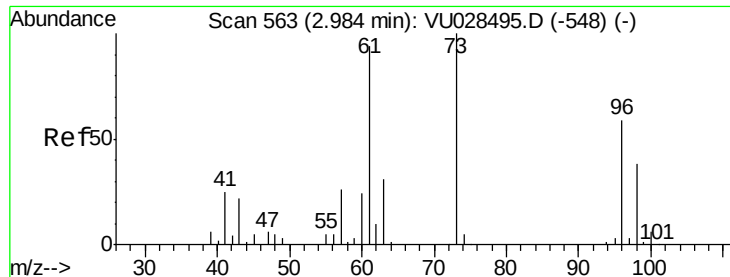
MMDadoda
12/24/2018 11:48:37 AM



#20
Methylene Chloride
Concen: 47.510 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 84 Resp: 75872
Ion Ratio Lower Upper
84 100
49 123.9 114.0 171.0
51 37.5 35.1 52.7
86 65.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.407 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 67377

Ion Ratio Lower Upper

96 100

61 145.3 127.0 190.4

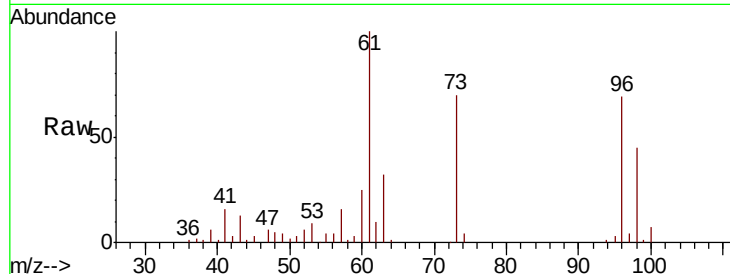
98 64.8 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

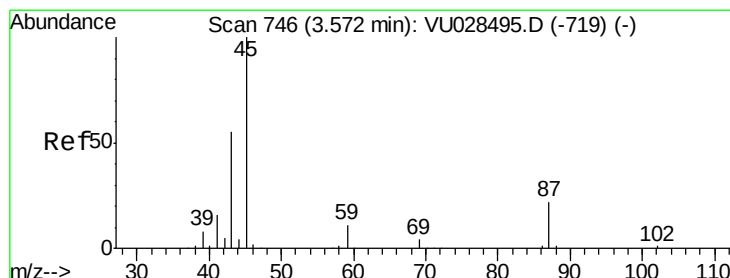
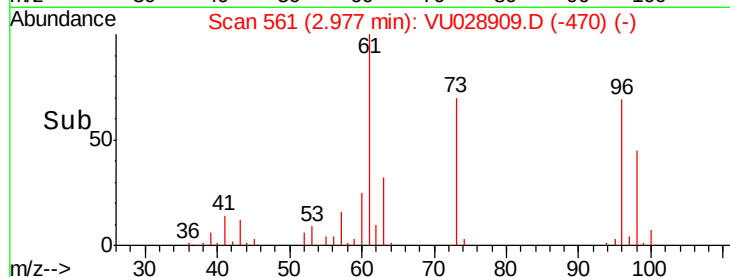
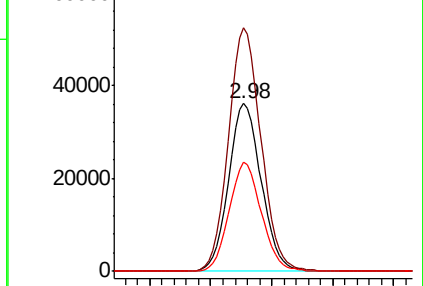
12/24/2018 11:48:37 AM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 42.459 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion: 45 Resp: 236584

Ion Ratio Lower Upper

45 100

43 56.2 45.3 67.9

87 26.7 17.6 26.4#

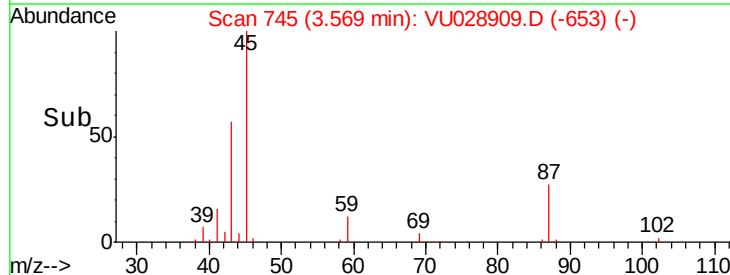
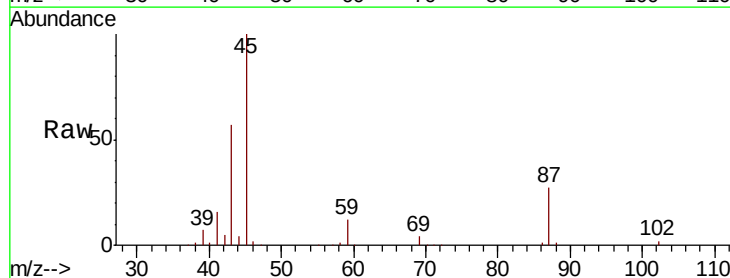
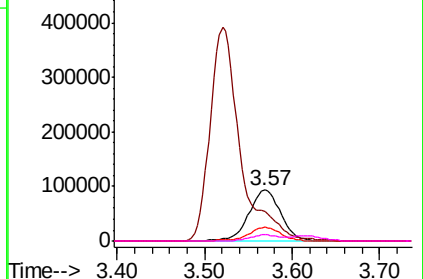
59 11.9 8.8 13.2

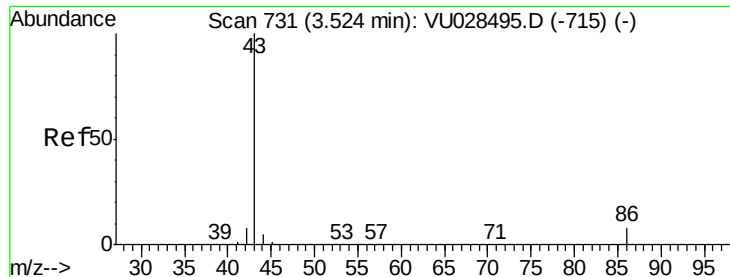
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 205.155 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 942908

Ion Ratio Lower Upper

43 100

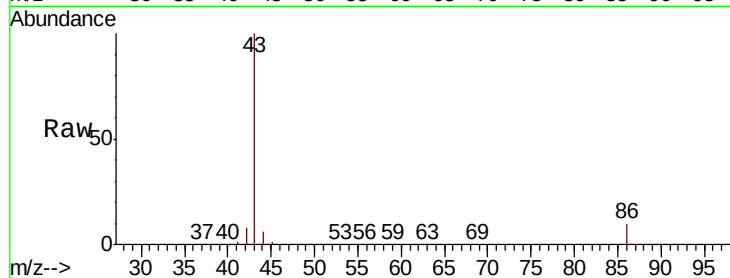
86 10.3 6.8 10.2#

Manual Integrations

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MMDadoda

12/24/2018 11:48:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

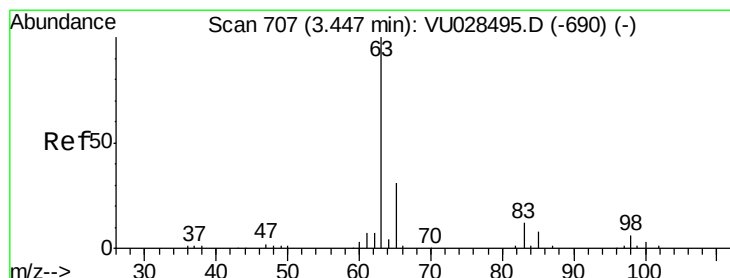
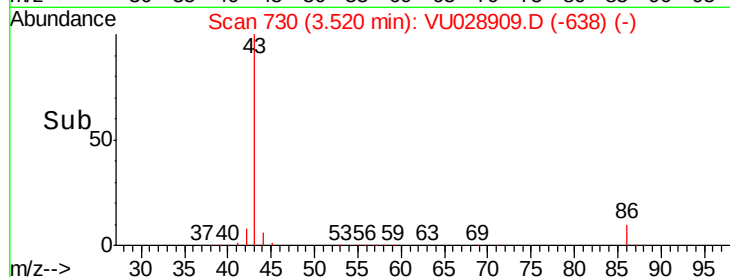
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.748 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

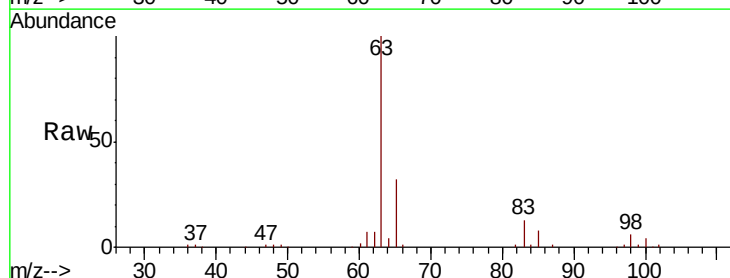
Tgt Ion: 63 Resp: 133434

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.1 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.44

80000

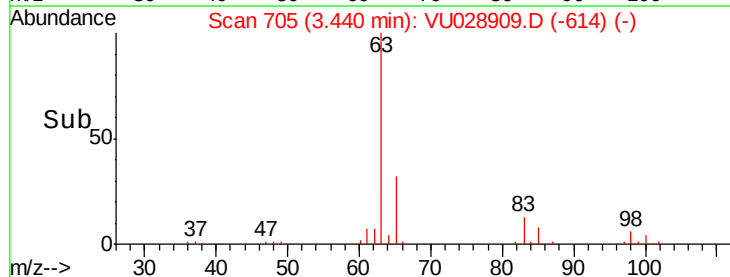
60000

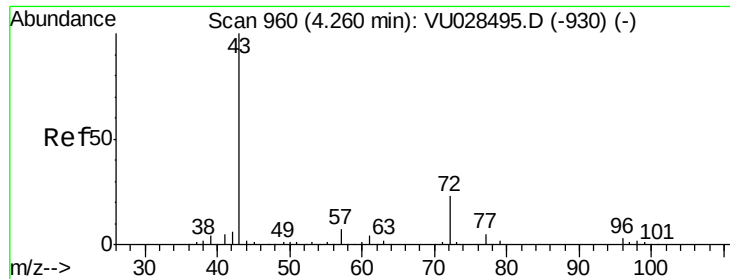
40000

20000

0

Time-->





#25

2-Butanone

Concen: 219.744 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 325323

Ion Ratio Lower Upper

43 100

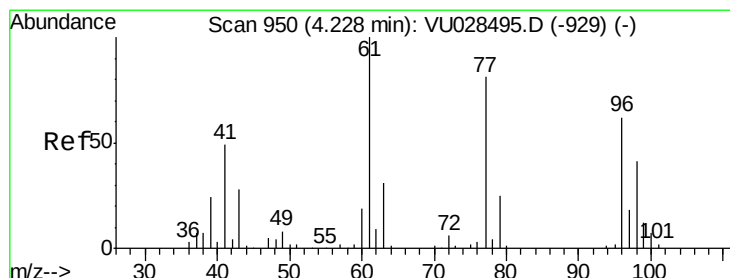
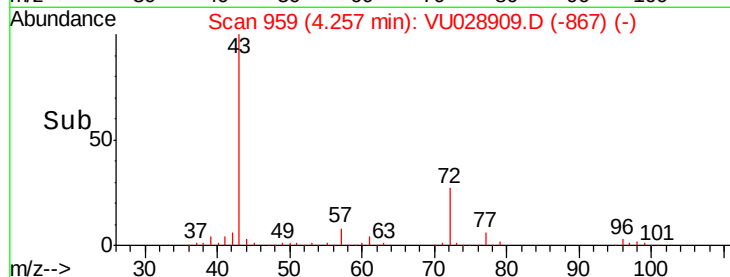
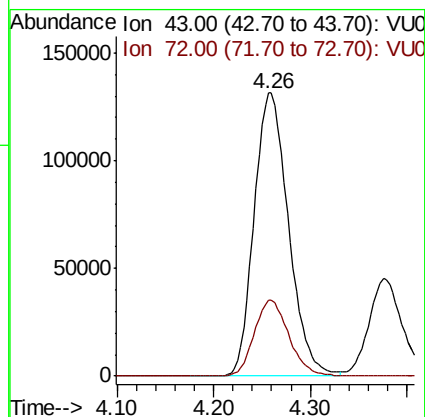
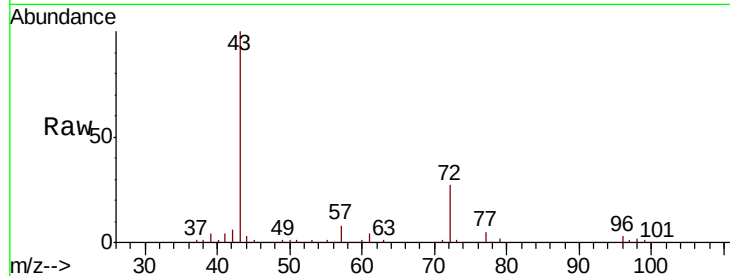
72 26.7 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.570 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028909.D

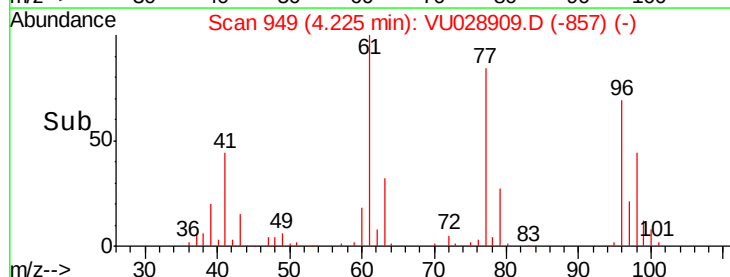
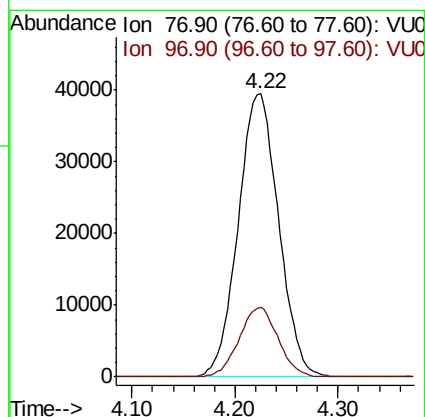
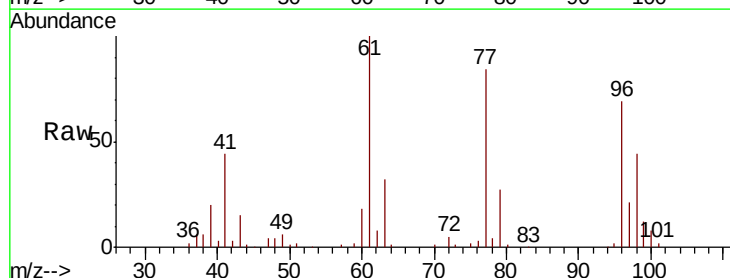
Acq: 22 Dec 2018 10:28

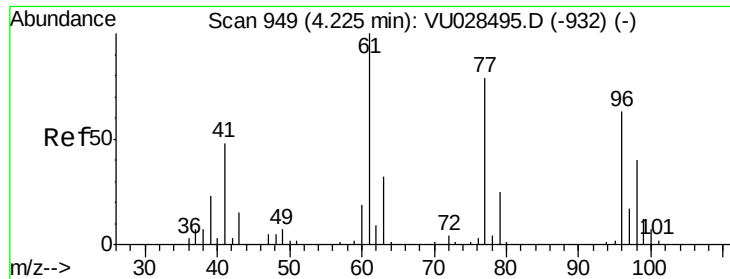
Tgt Ion: 77 Resp: 107628

Ion Ratio Lower Upper

77 100

97 23.8 11.0 33.0





#27

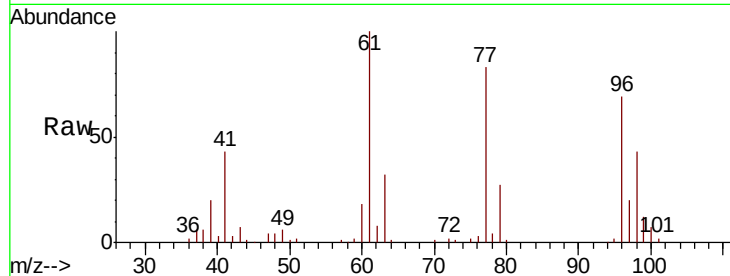
cis-1,2-Dichloroethene
Concen: 50.697 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	332.4
98	64.4	0.0	129.0

Manual Integrations
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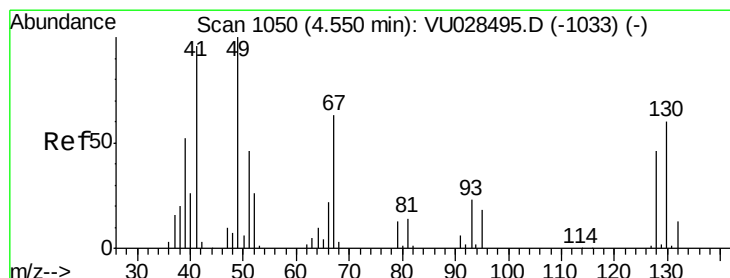
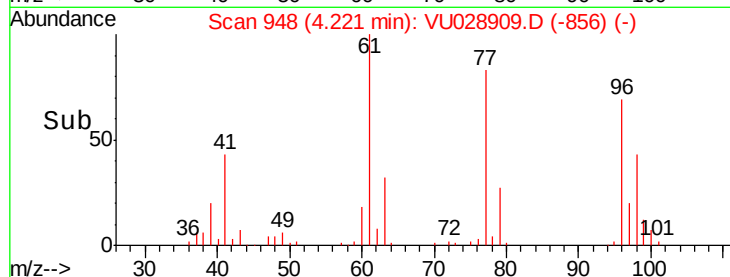
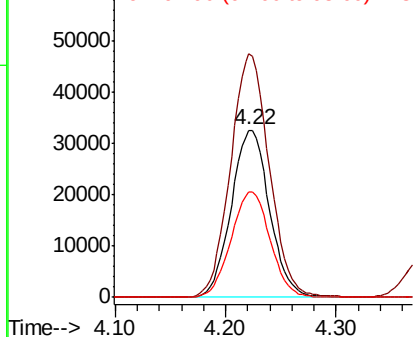


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

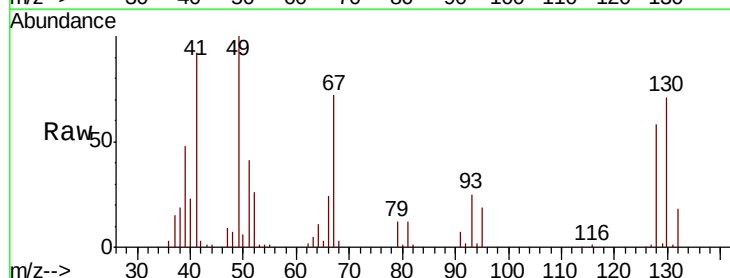
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 43.263 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.0
130	72.8	47.8	71.8#

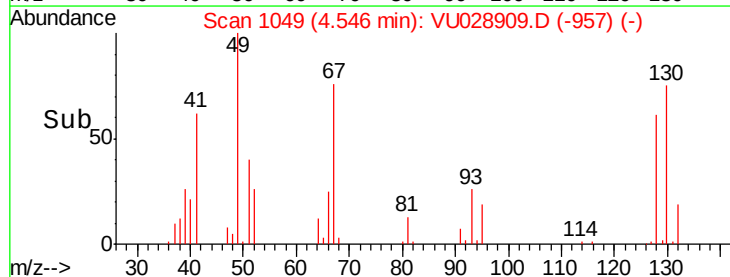
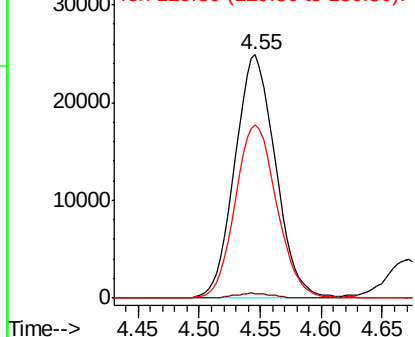


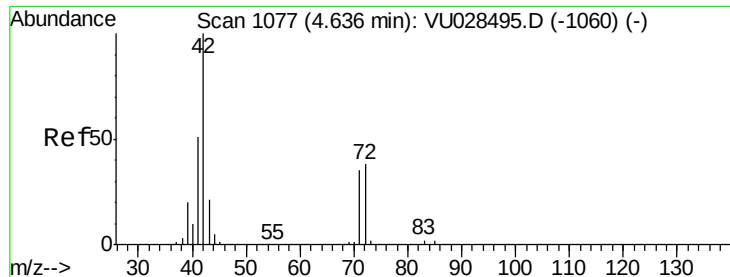
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 206.202 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

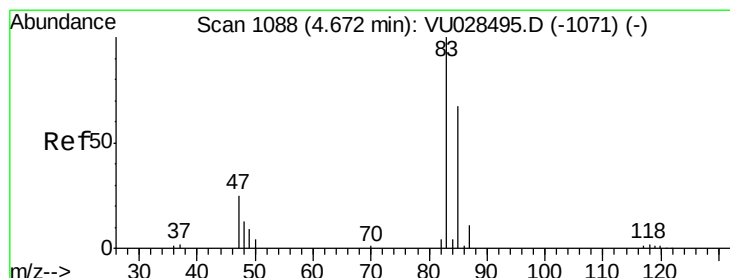
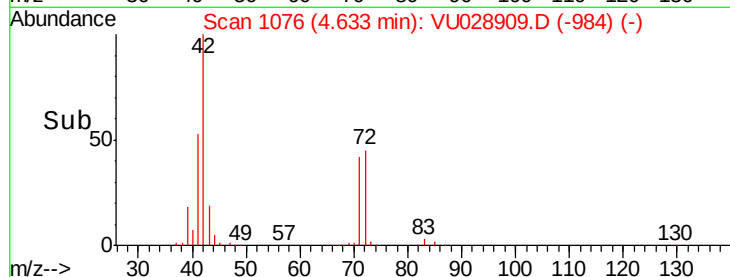
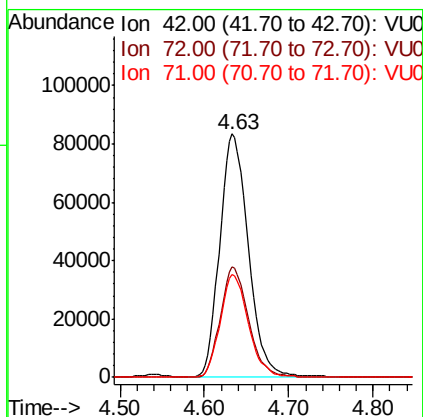
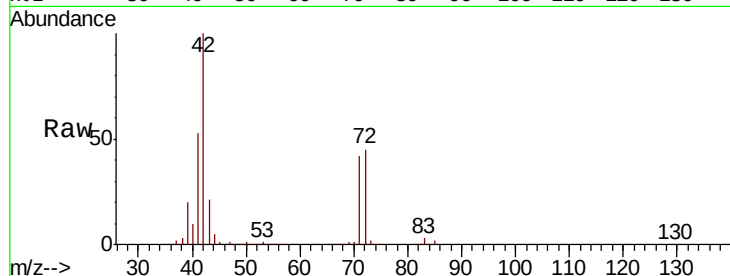
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	196060
Ion	Ratio	Lower	Upper
42	100		
72	44.9	31.4	47.0
71	41.8	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 49.045 ug/l

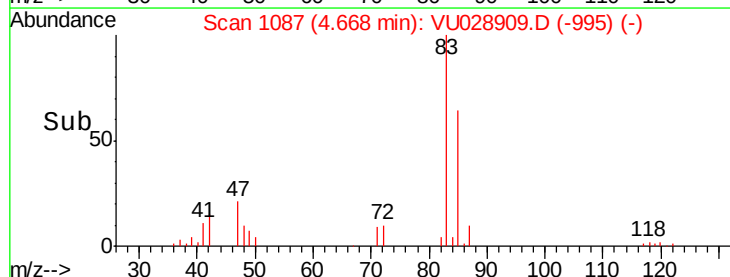
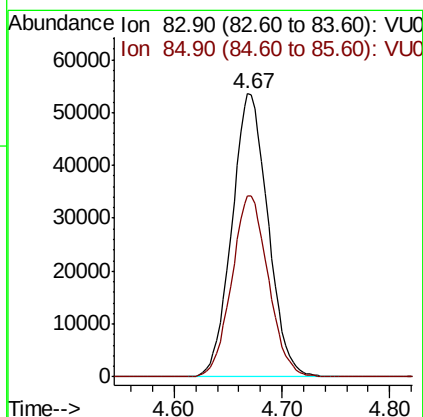
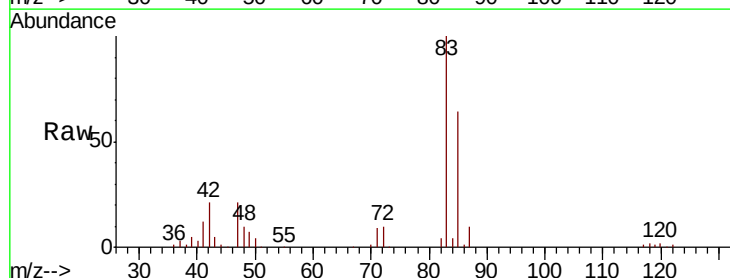
RT: 4.67 min Scan# 1087

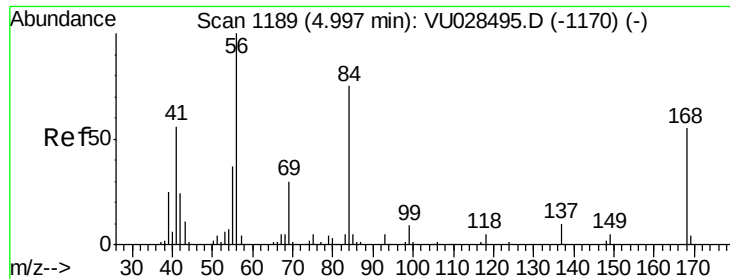
Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	83	Resp:	124679
Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.6	80.4





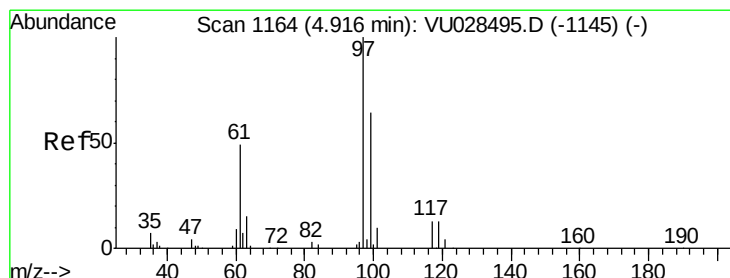
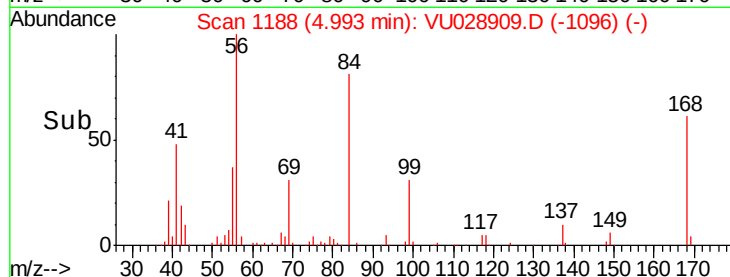
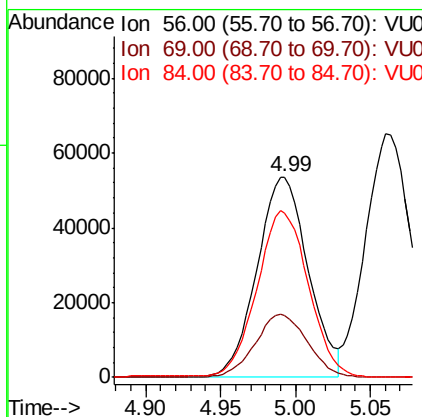
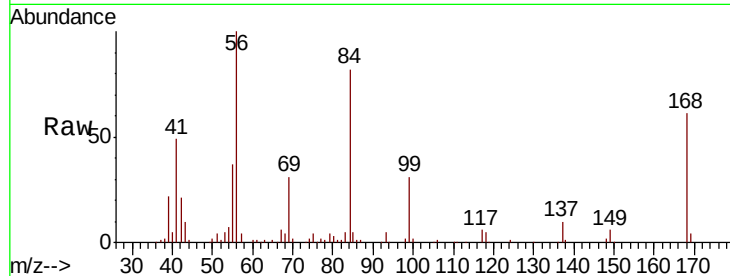
#31
Cyclohexane
Concen: 44.621 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	81.4	59.7	89.5

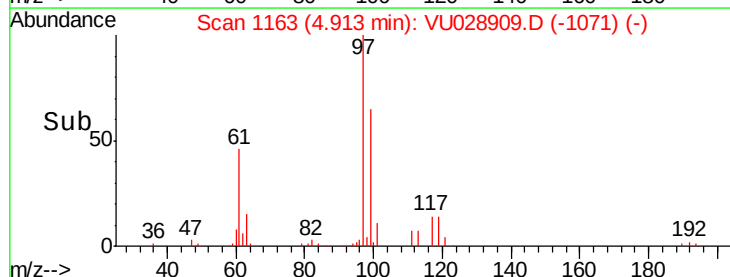
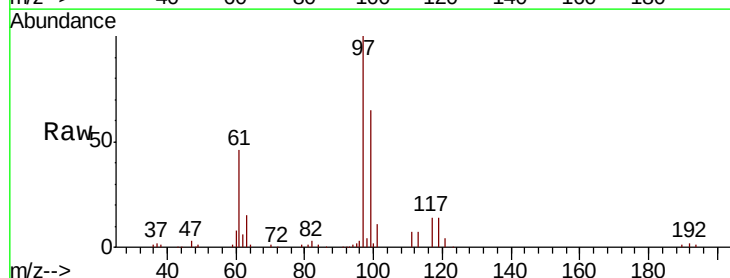
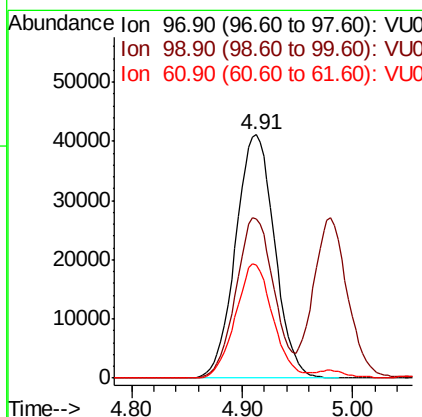
Manual Integrations
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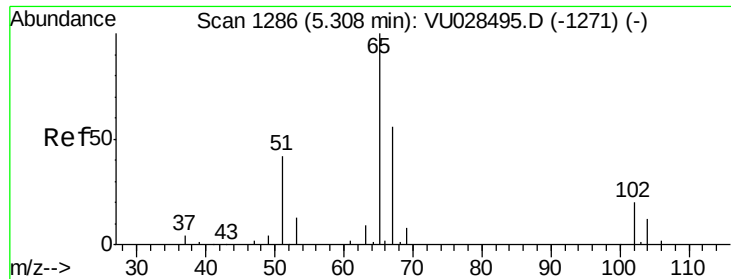
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.576 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	45.0	39.0	58.6





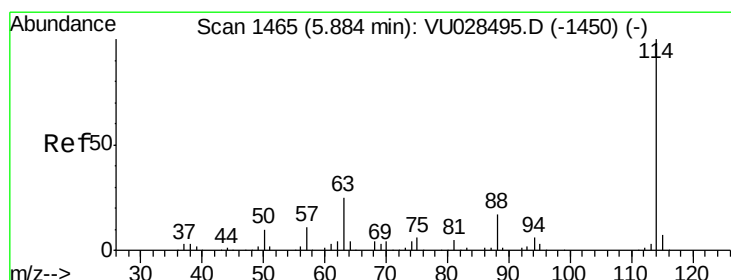
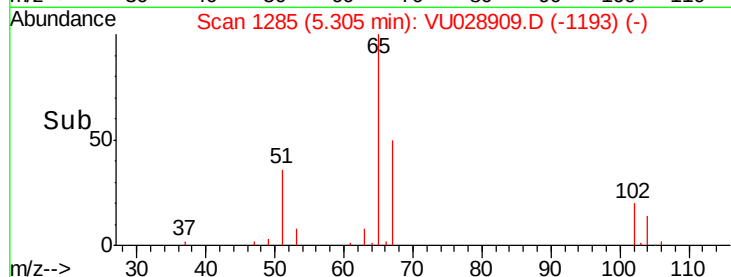
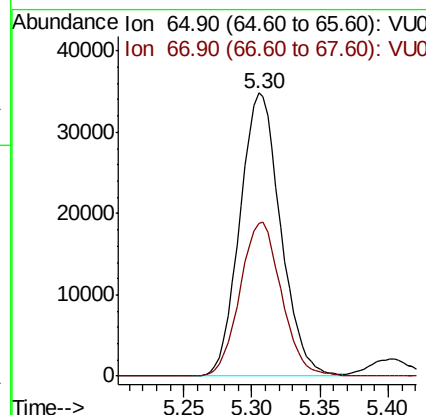
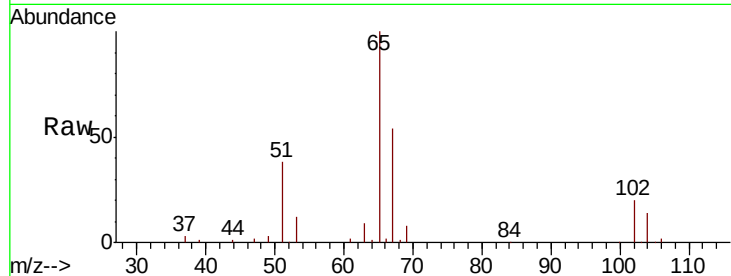
#33
 1,2-Dichloroethane-d4
 Concen: 43.514 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	110.6

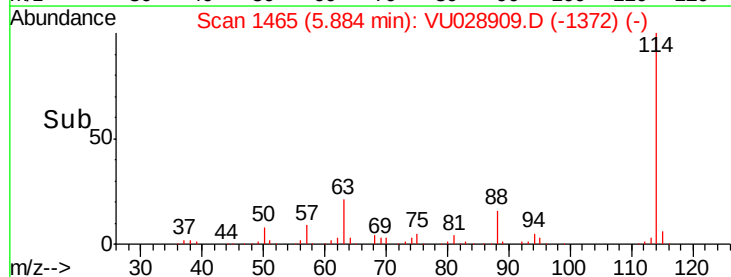
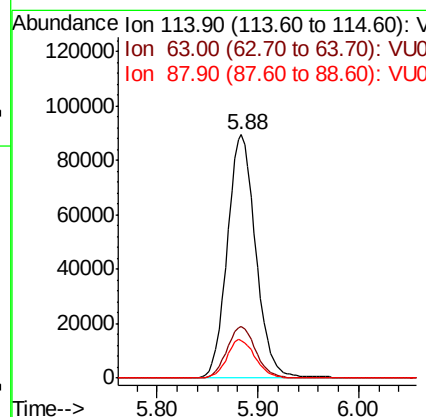
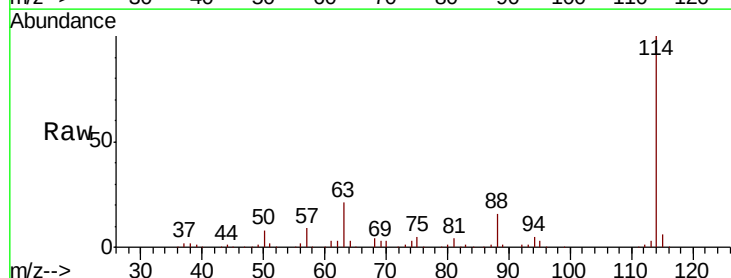
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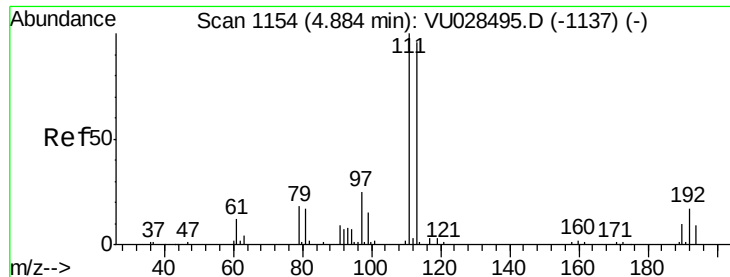
MMDadoda
 12/24/2018 11:48:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	49.2
88	15.6	0.0	33.4





#35

Dibromofluoromethane

Concen: 54.550 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

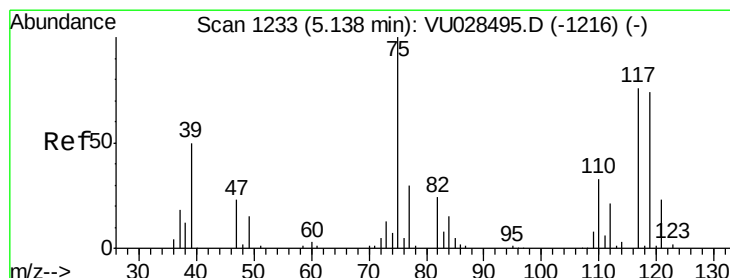
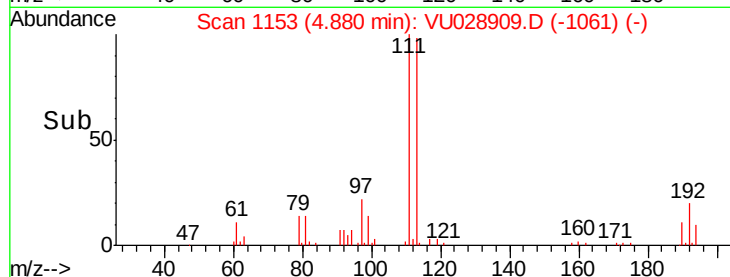
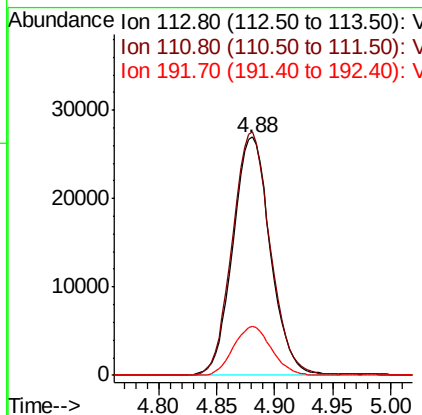
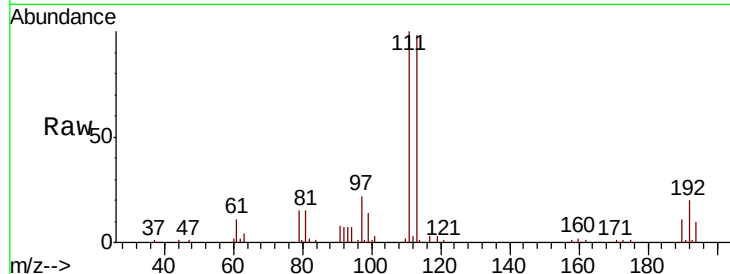
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	60483
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.0
192	20.5	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 50.374 ug/l

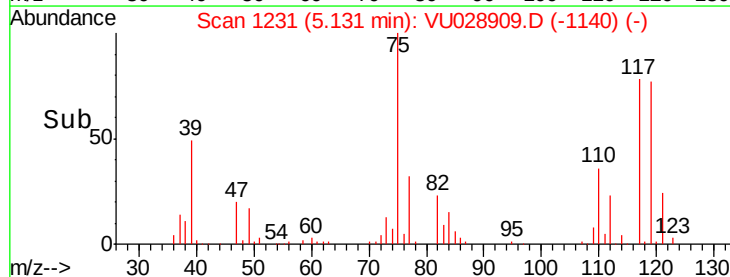
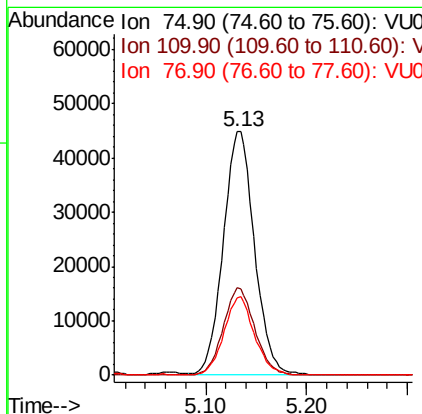
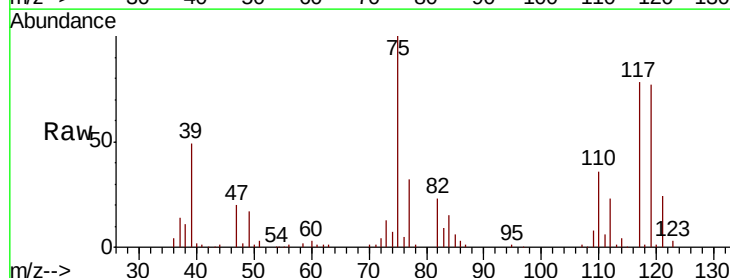
RT: 5.13 min Scan# 1231

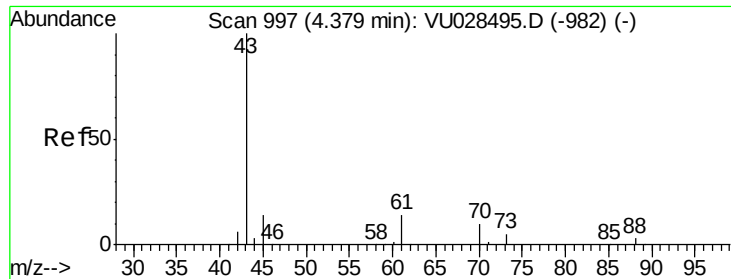
Delta R.T. -0.01 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	75	Resp:	97122
Ion	Ratio	Lower	Upper
75	100		
110	36.0	16.1	48.2
77	31.4	24.5	36.7





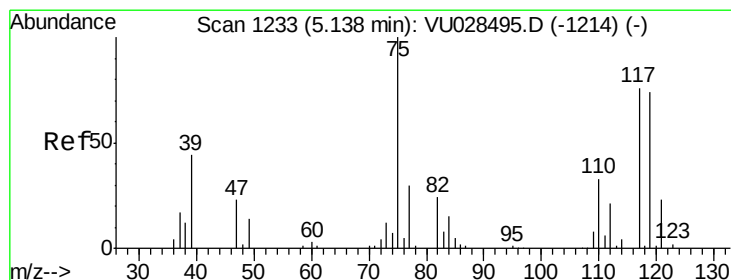
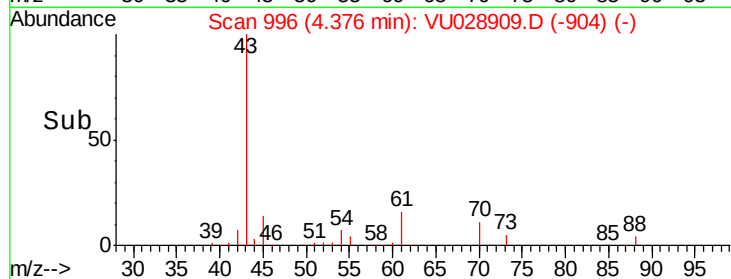
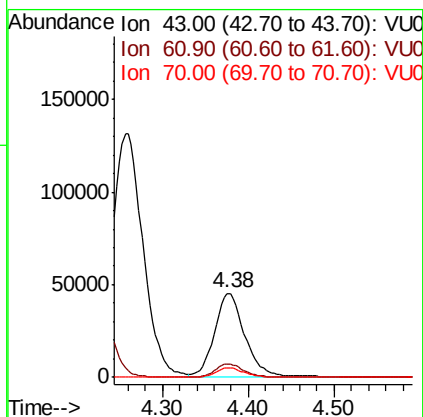
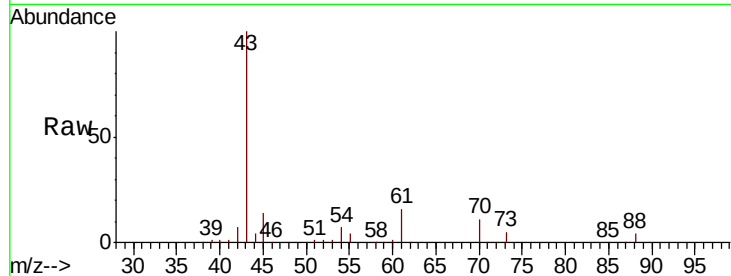
#37
Ethyl Acetate
Concen: 44.051 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.0	16.4
70	10.9	7.4	11.0

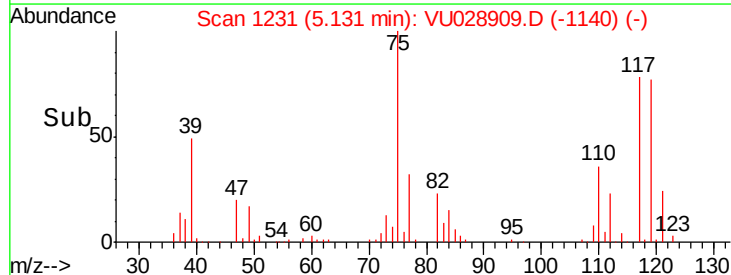
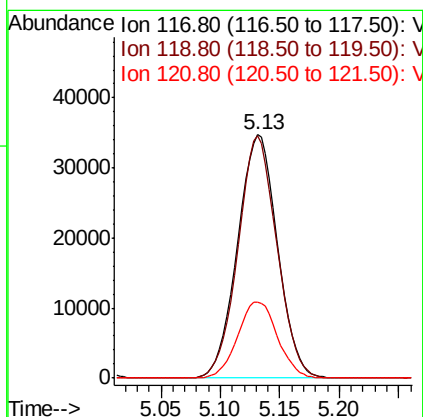
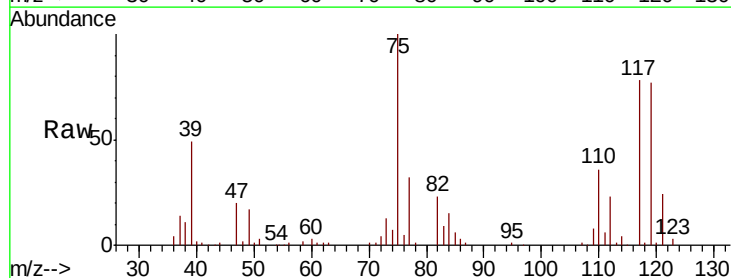
Manual Integrations
APPROVED

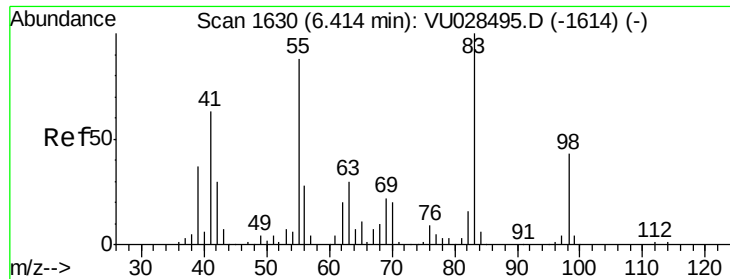
MMDadoda
12/24/2018 11:48:37 AM



#38
Carbon Tetrachloride
Concen: 51.892 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.6	116.4
121	31.3	24.6	36.8





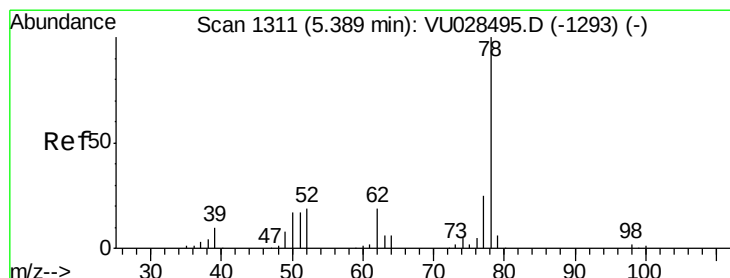
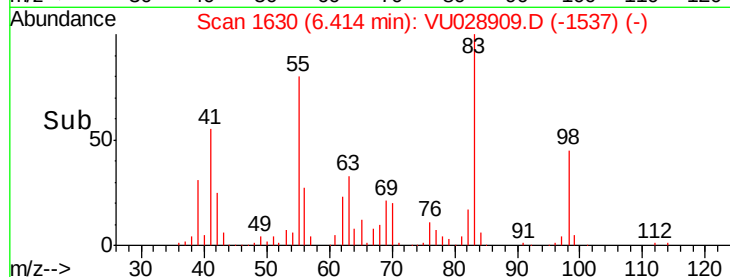
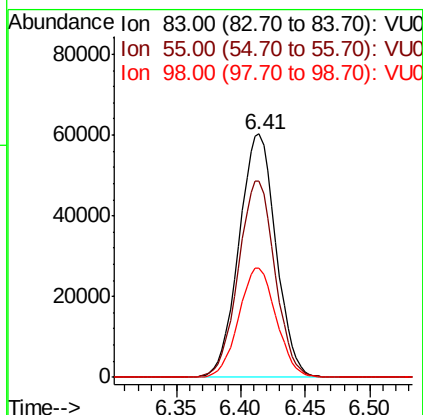
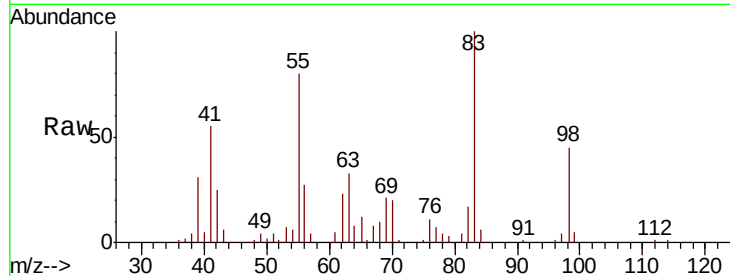
#39
Methylvlcyclohexane
Concen: 51.231 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	70.2	105.2
98	44.9	34.2	51.4

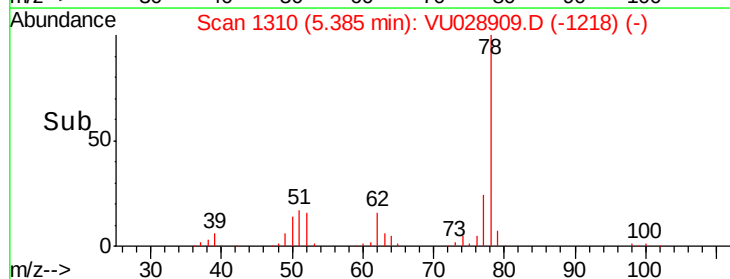
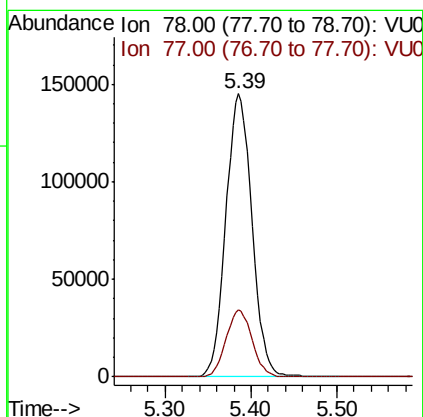
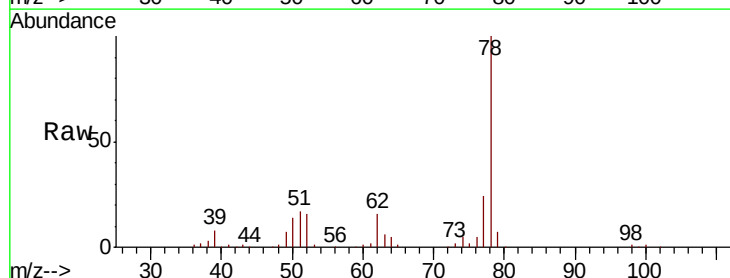
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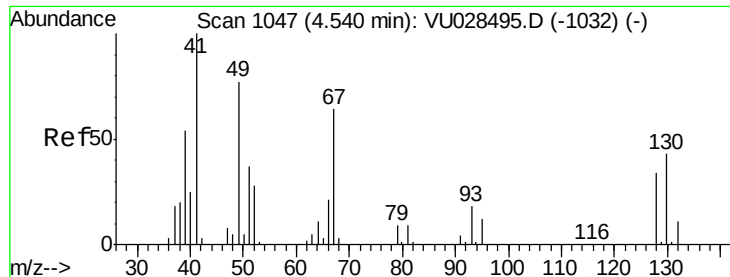
MMDadoda
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#40
Benzene
Concen: 53.809 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.9	29.9





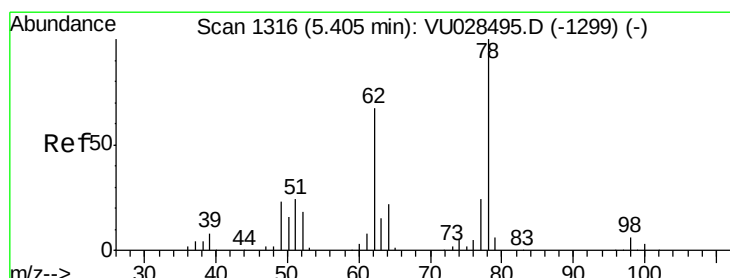
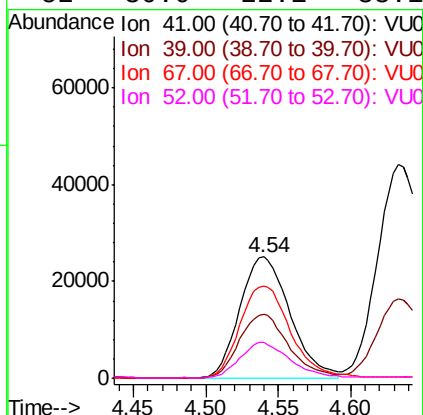
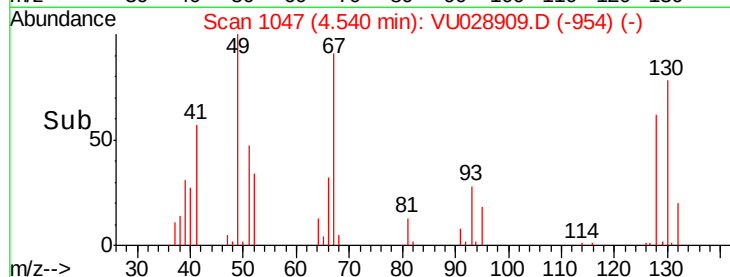
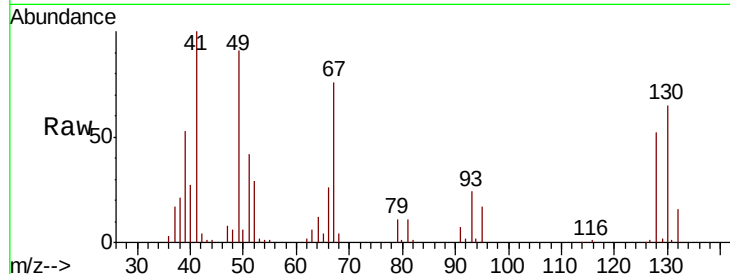
#41
Methacrylonitrile
Concen: 44.410 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	43.3	64.9	
67	76.5	53.6	80.4	
52	30.0	22.1	33.1	

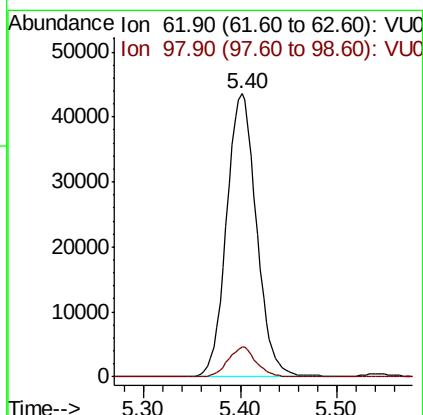
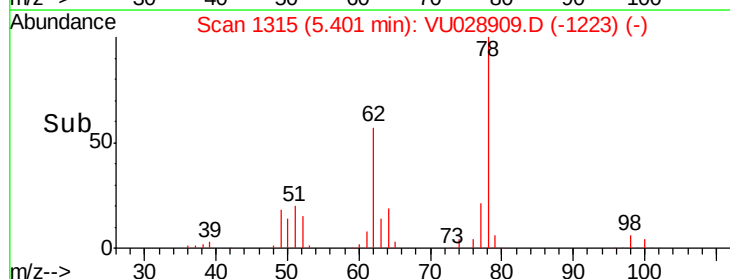
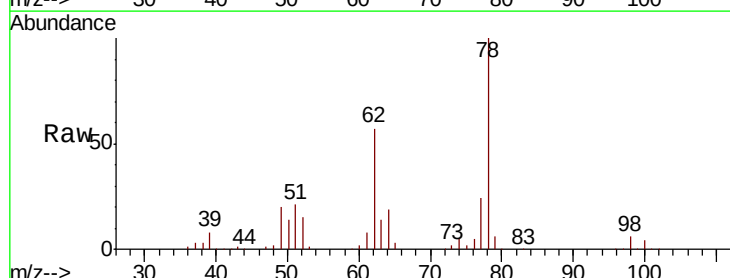
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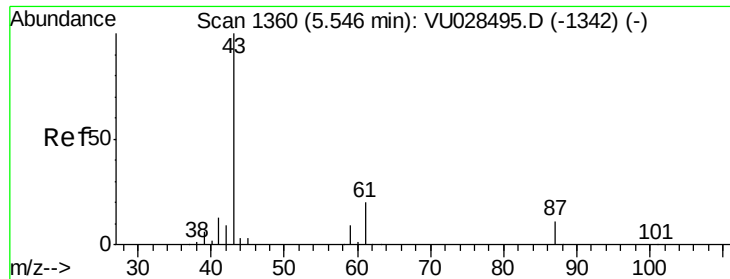
MMDadoda
12/24/2018 11:48:37 AM



#42
1,2-Dichloroethane
Concen: 47.123 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	17.2	





#43

Isopropyl Acetate

Concen: 43.785 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

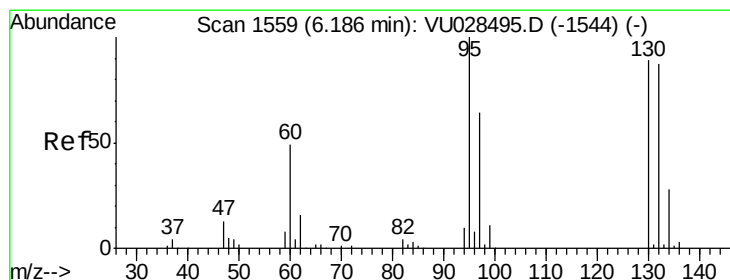
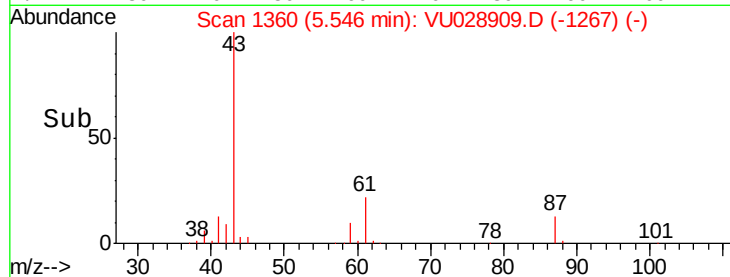
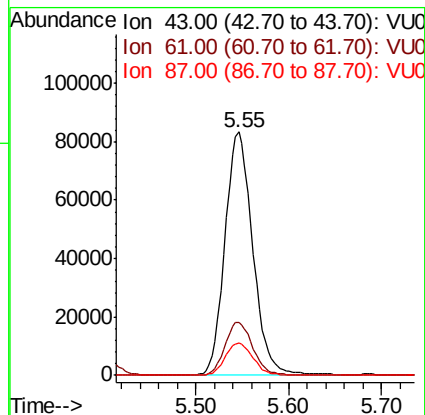
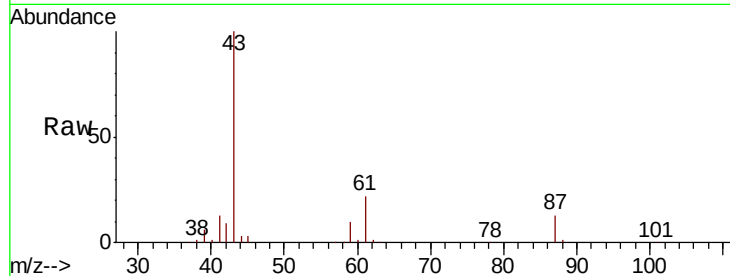
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	172606
Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.5	23.3
87	13.3	8.7	13.1

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12/24/2018 11:48:37 AM



#44

Trichloroethene

Concen: 57.272 ug/l

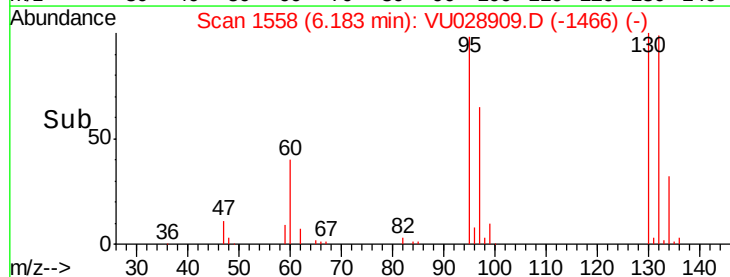
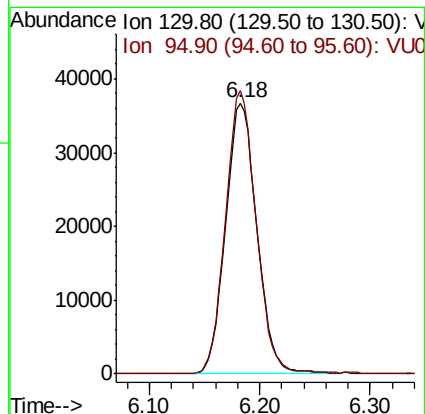
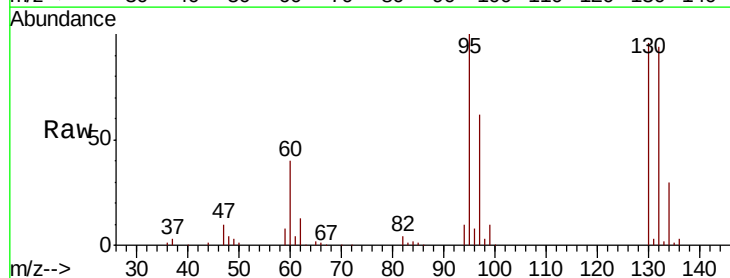
RT: 6.18 min Scan# 1558

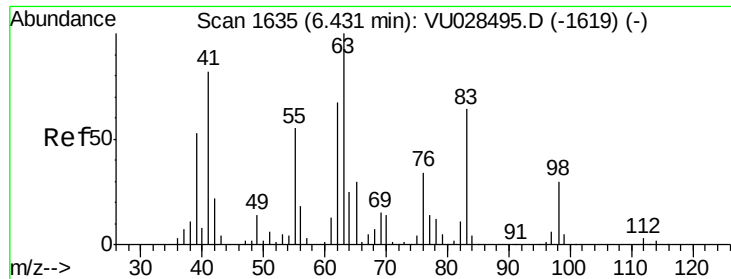
Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	130	Resp:	72311
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	224.0





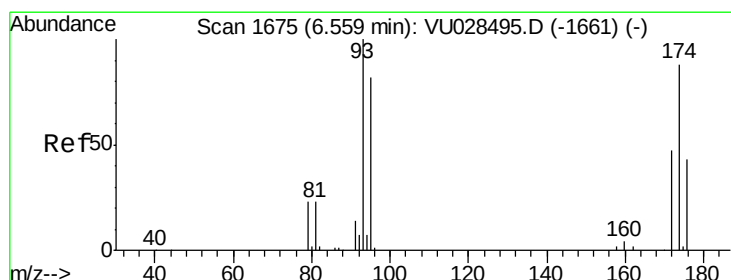
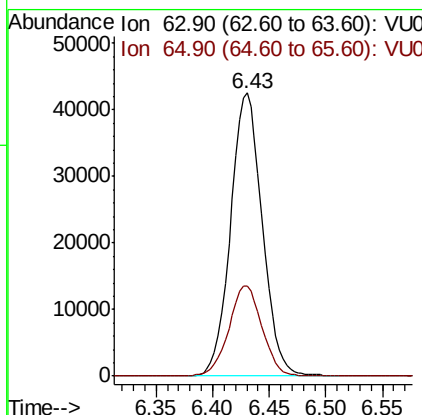
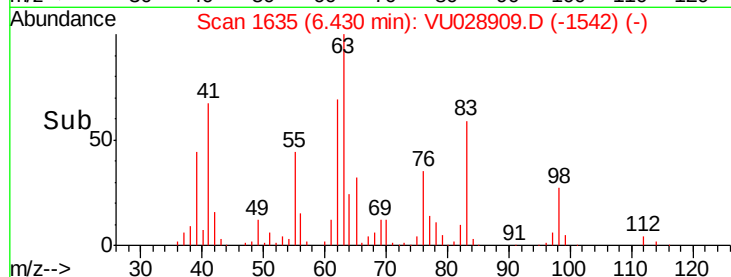
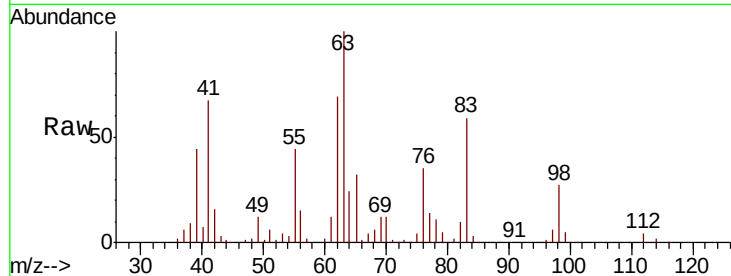
#45
 1,2-Dichloropropane
 Concen: 51.962 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 82974
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.2 36.4

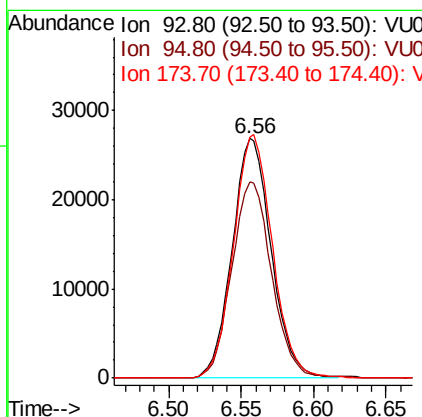
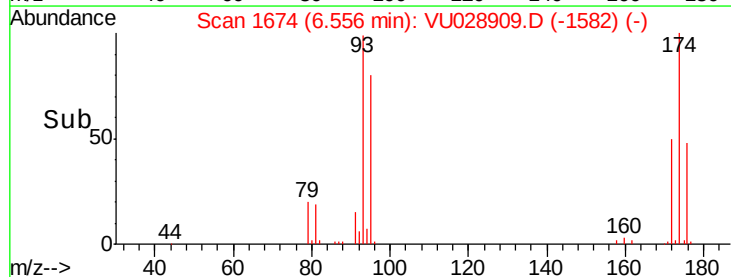
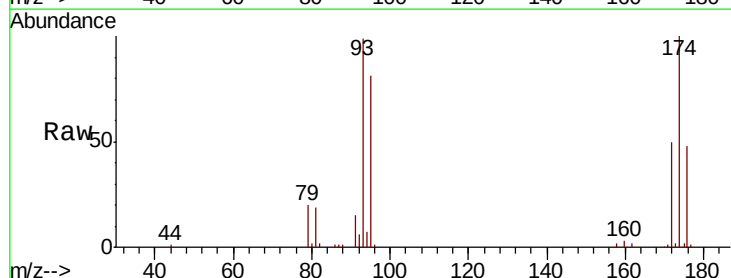
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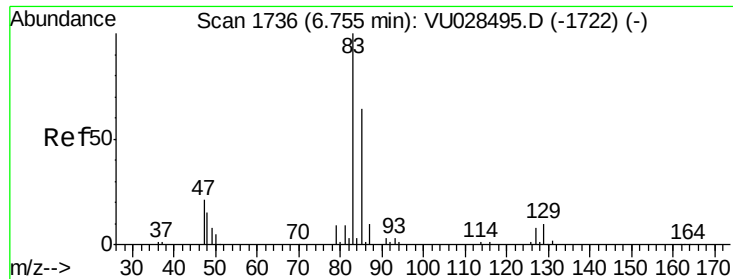
MMDadoda
 12/24/2018 11:48:37 AM



#46
 Dibromomethane
 Concen: 53.128 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 93 Resp: 50335
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.4 98.2
 174 101.4 72.2 108.4





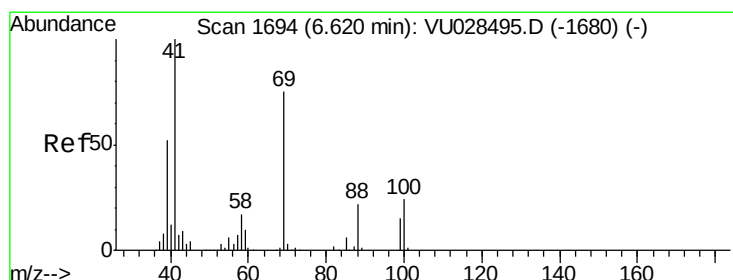
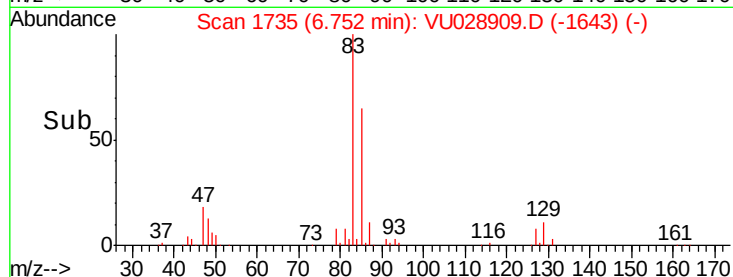
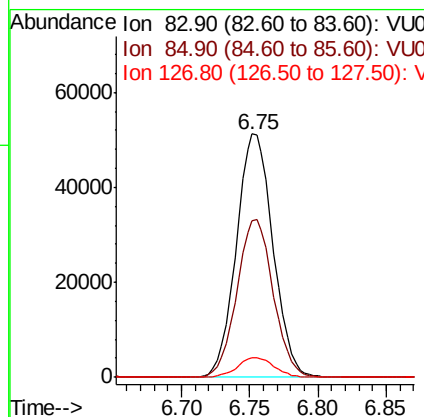
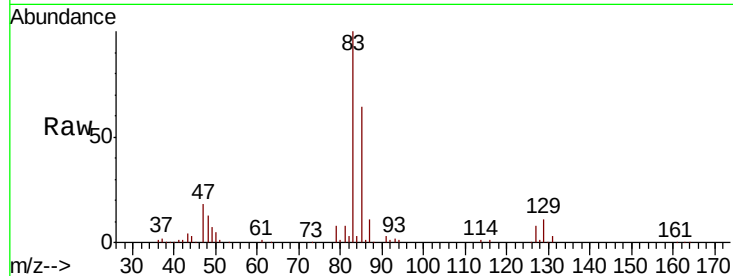
#47
Bromodichloromethane
Concen: 51.710 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	95336
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.5	77.3
127	8.2	6.2	9.4

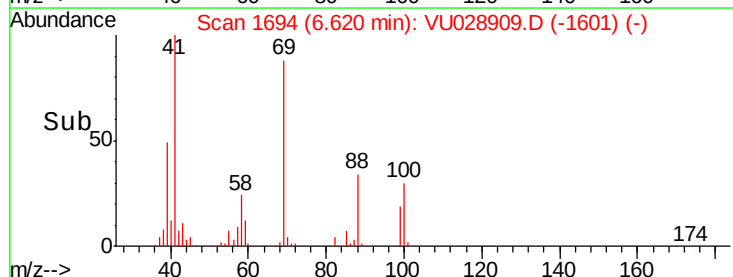
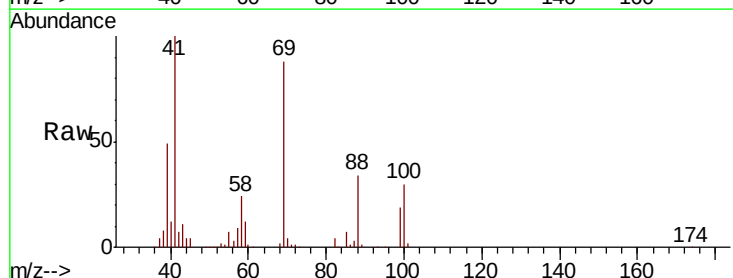
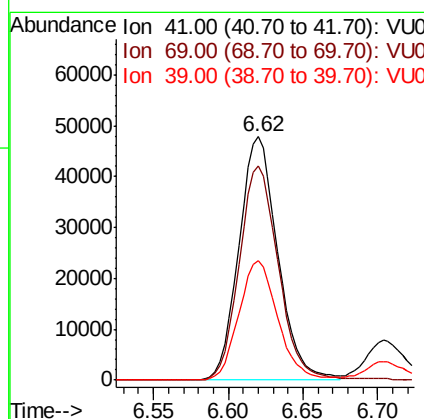
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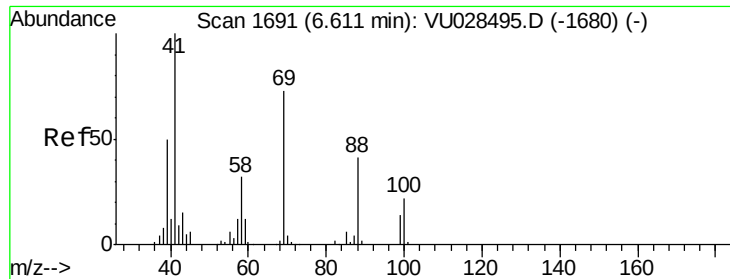
MMDadoda
12/24/2018 11:48:37 AM



#48
Methyl methacrylate
Concen: 44.207 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	41	Resp	86665
Ion Ratio	100	Lower	Upper
41	100		
69	88.9	60.4	90.6
39	49.1	41.1	61.7





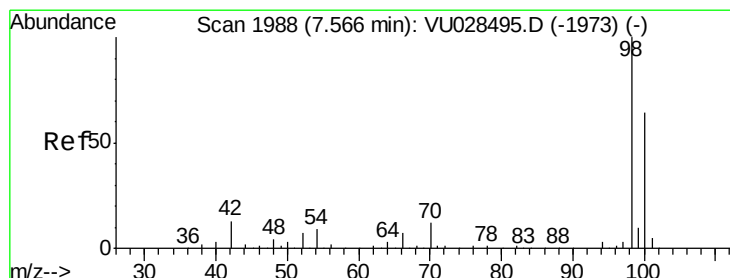
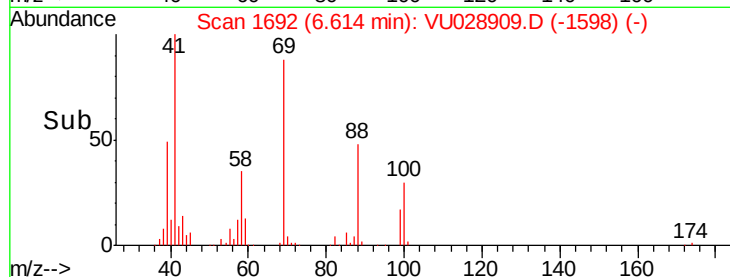
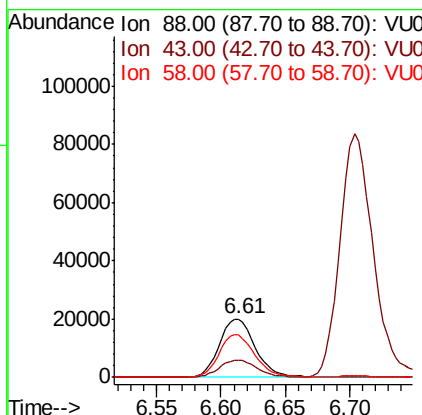
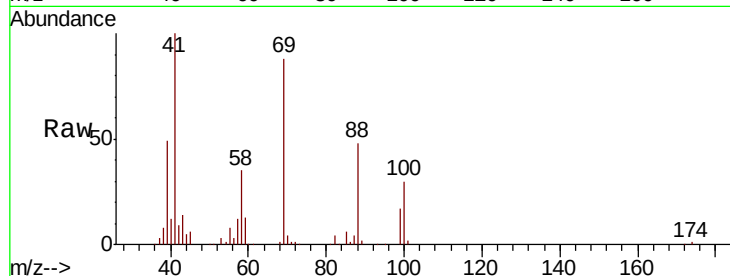
#49
1,4-Dioxane
Concen: 1255.583 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.1	30.9	46.3	
58	73.1	62.4	93.6	

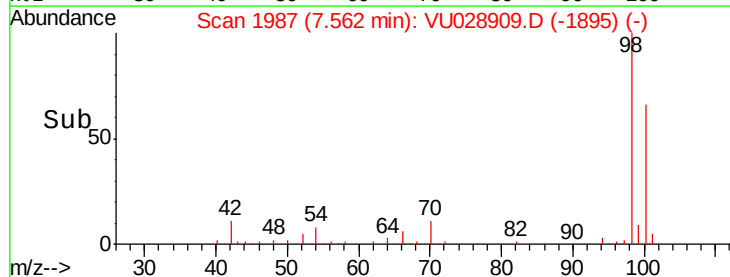
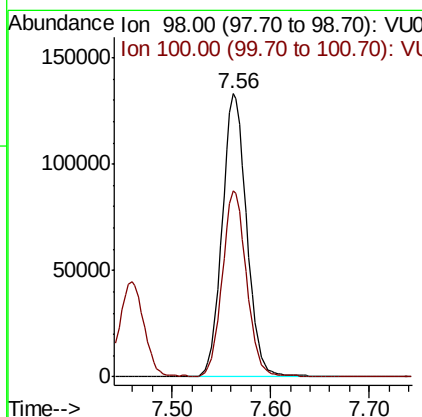
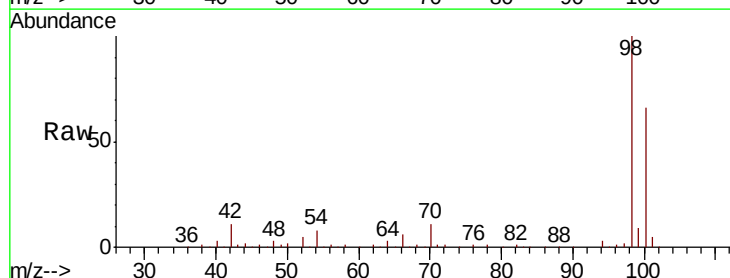
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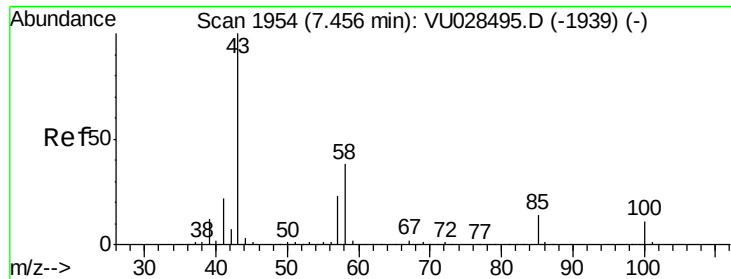
MMDadoda
12/24/2018 11:48:37 AM



#50
Toluene-d8
Concen: 52.934 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.2	51.0	76.6	





#51

4-Methyl-2-Pentanone

Concen: 221.049 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 549603

Ion Ratio Lower Upper

43 100

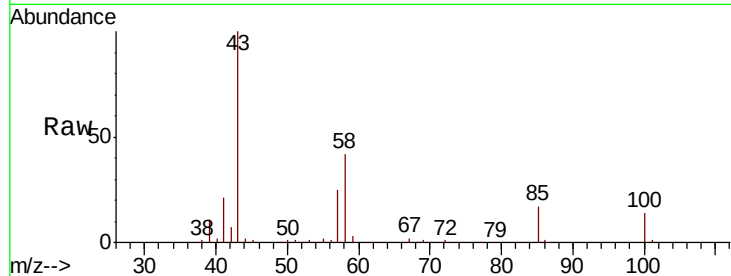
58 41.6 30.2 45.2

Manual Integrations

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MMDadoda

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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

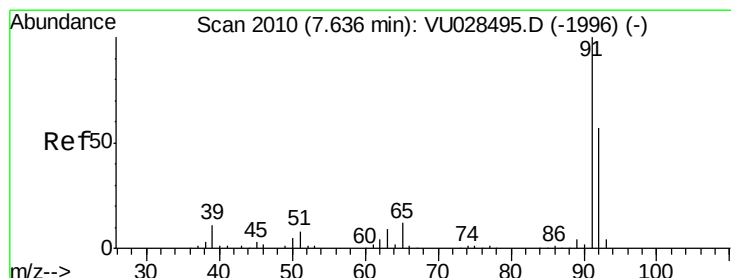
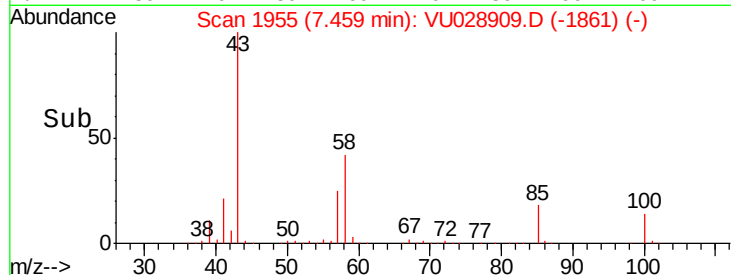
200000

100000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 54.739 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028909.D

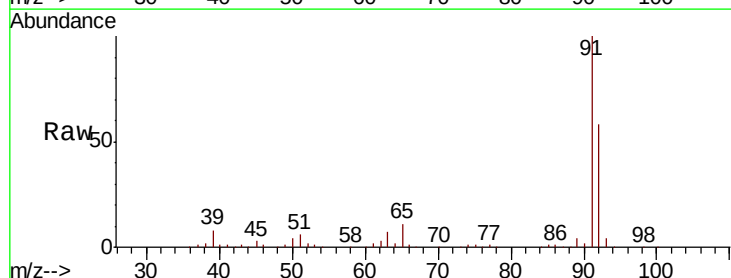
Acq: 22 Dec 2018 10:28

Tgt Ion: 92 Resp: 182930

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.4



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

200000

150000

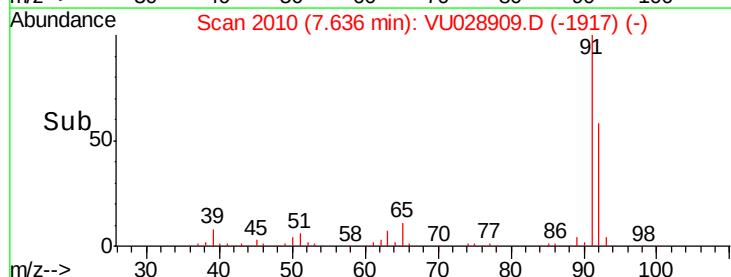
100000

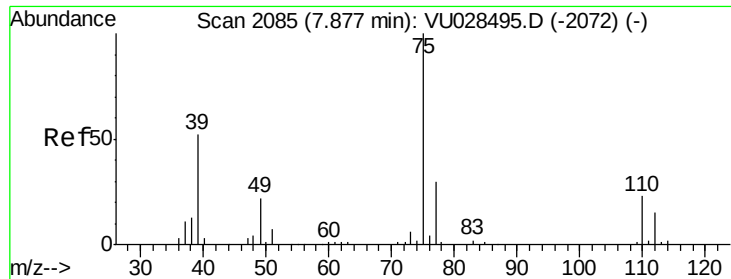
50000

0

7.60 7.70 7.80

Time-->





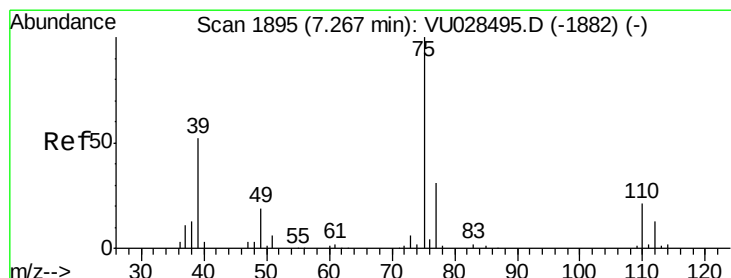
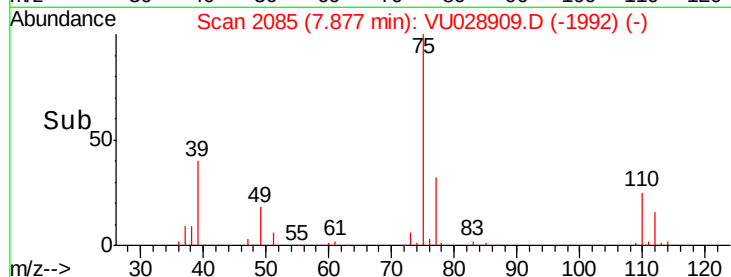
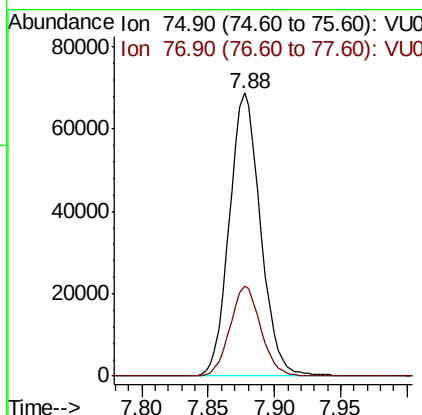
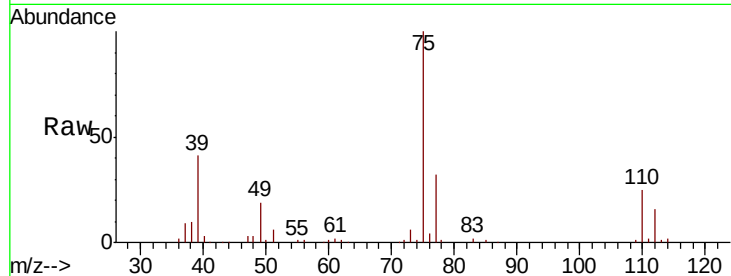
#53
t-1,3-Dichloropropene
Concen: 51.247 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	112526		
77	31.6	24.2	24.2	36.4

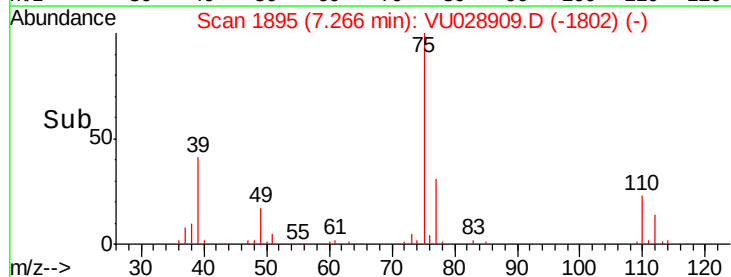
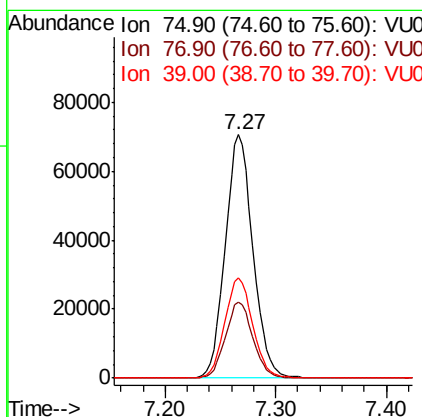
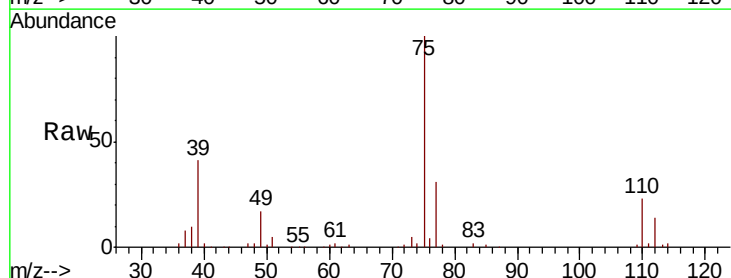
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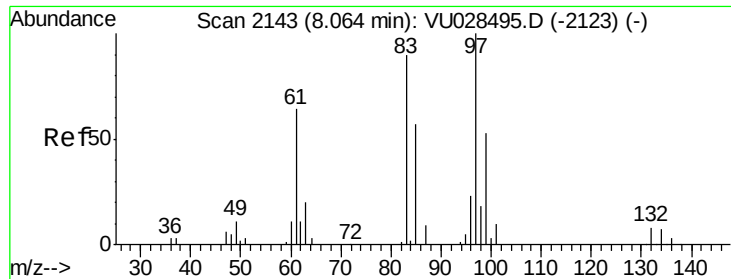
MMDadoda
12/24/2018 11:48:37 AM



#54
cis-1,3-Dichloropropene
Concen: 51.470 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122615		
77	31.3	25.0	25.0	37.4
39	41.0	41.3	41.3	61.9#





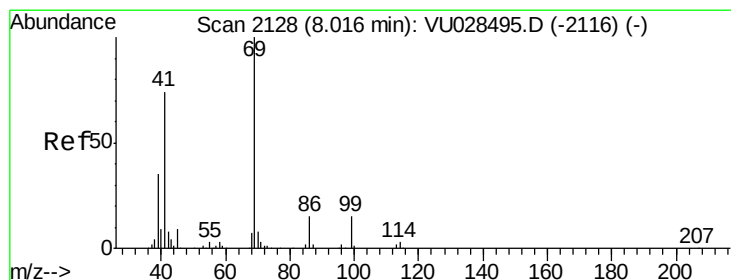
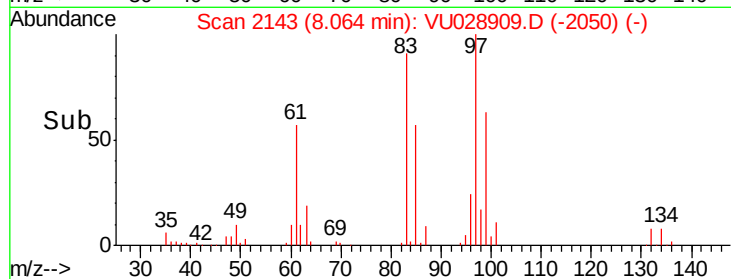
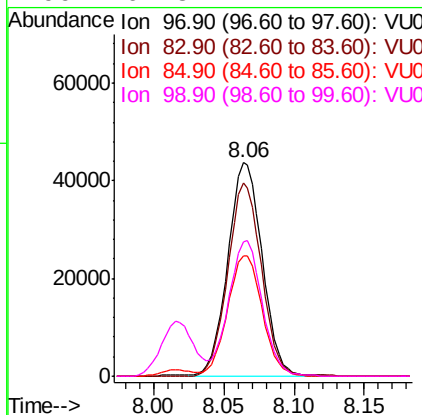
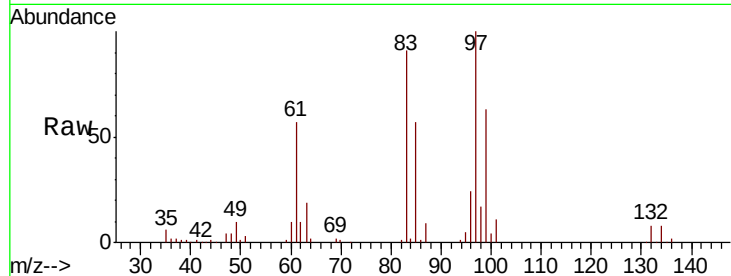
#55
 1,1,2-Trichloroethane
 Concen: 56.531 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	74678
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.4	108.6
85	56.6	46.0	69.0
99	62.8	47.4	71.2

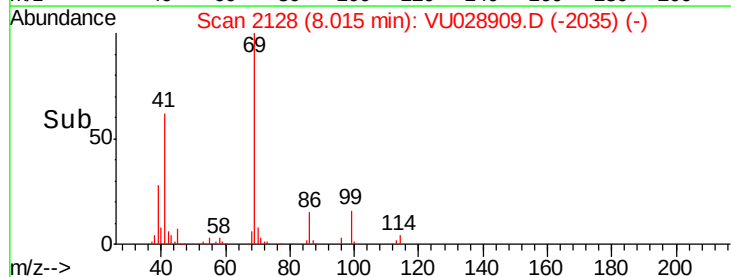
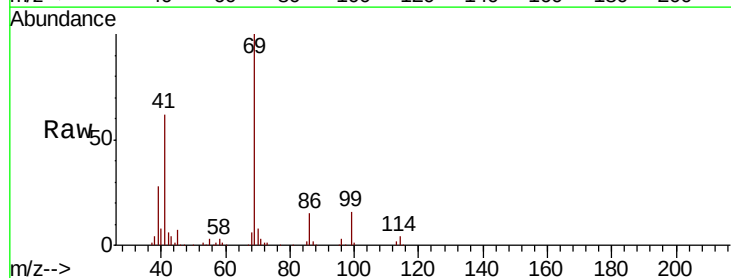
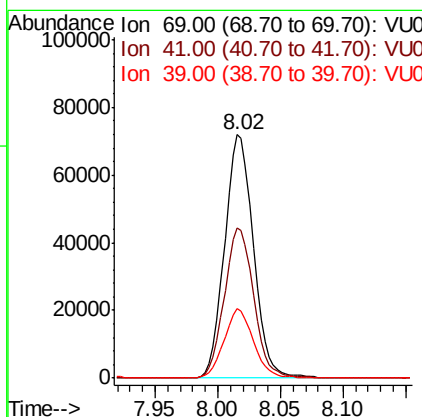
Manual Integrations
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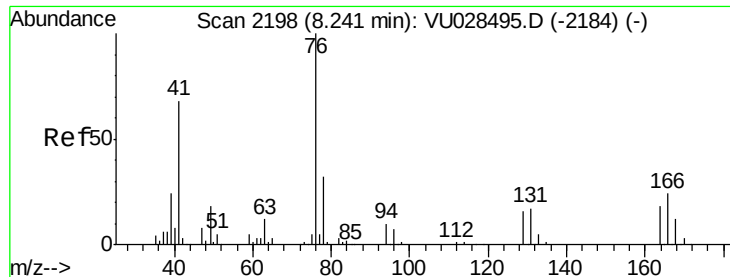
MMDadoda
 12/24/2018 11:48:37 AM



#56
 Ethyl methacrylate
 Concen: 50.875 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion:	69	Resp:	115087
Ion	Ratio	Lower	Upper
69	100		
41	63.0	59.1	88.7
39	29.1	28.4	42.6





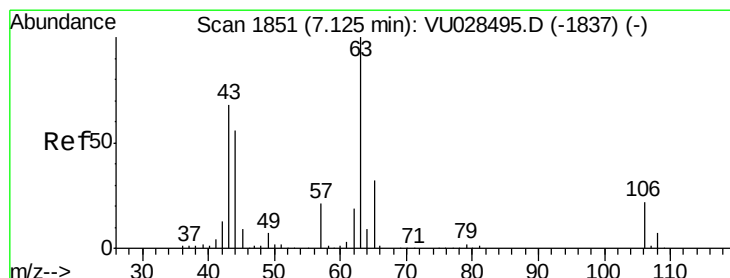
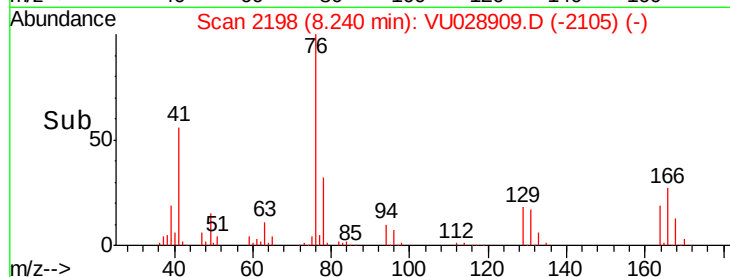
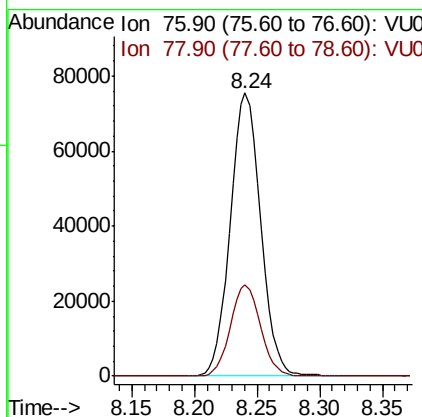
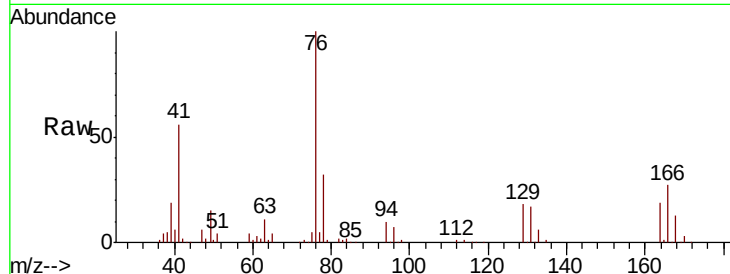
#57
 1,3-Dichloropropane
 Concen: 51.866 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 127184
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

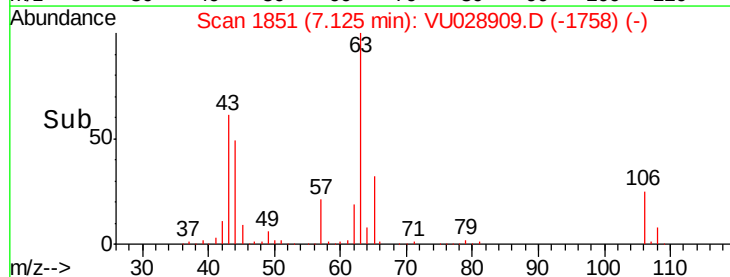
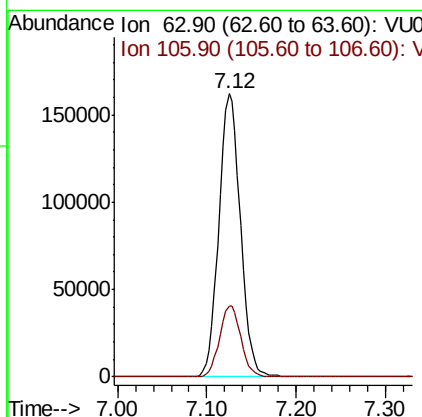
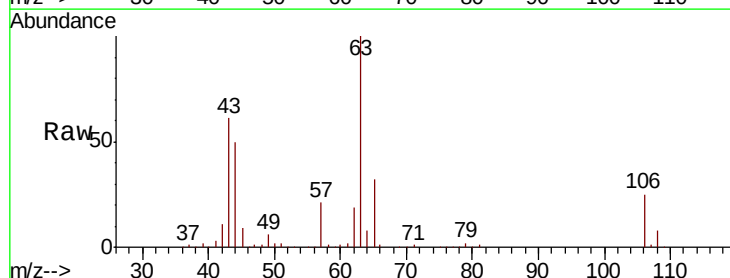
Manual Integrations
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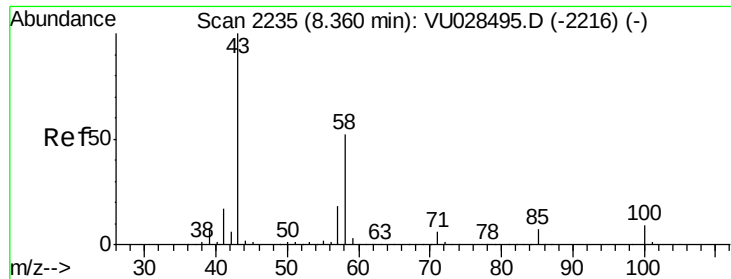
MMDadoda
 12/24/2018 11:48:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.845 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 63 Resp: 270953
 Ion Ratio Lower Upper
 63 100
 106 24.9 17.8 26.6





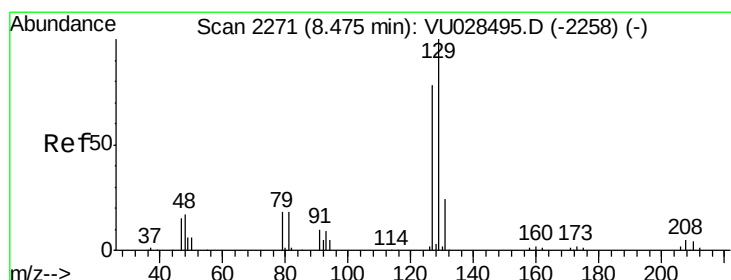
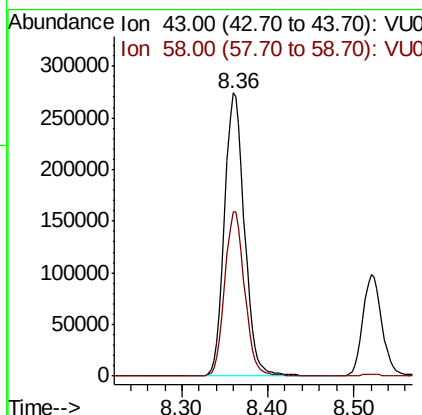
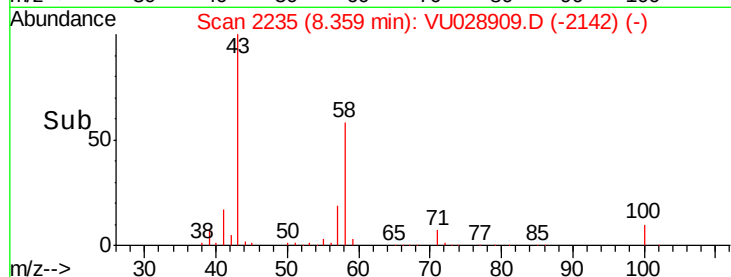
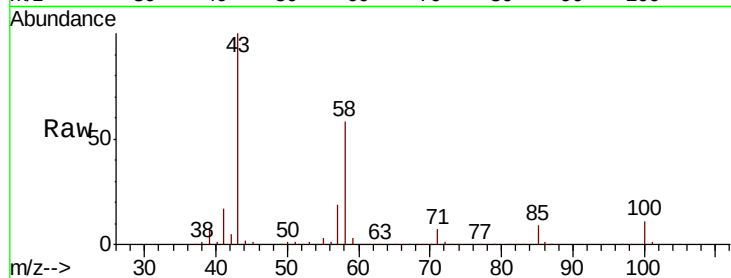
#59
 2-Hexanone
 Concen: 226.473 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 446309
 Ion Ratio Lower Upper
 43 100
 58 57.9 25.9 77.6

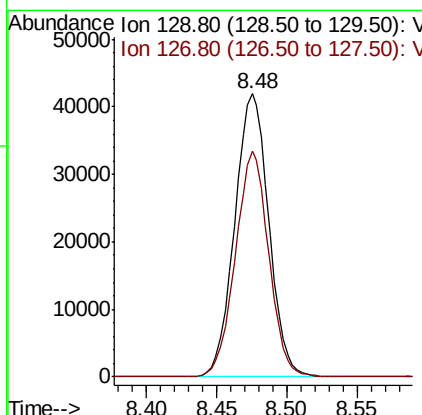
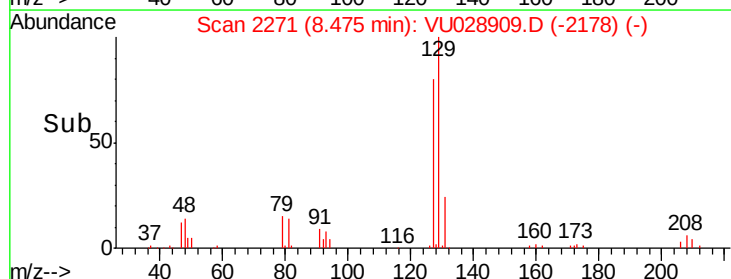
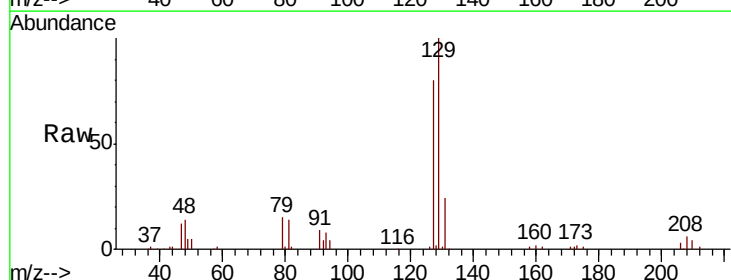
Manual Integrations
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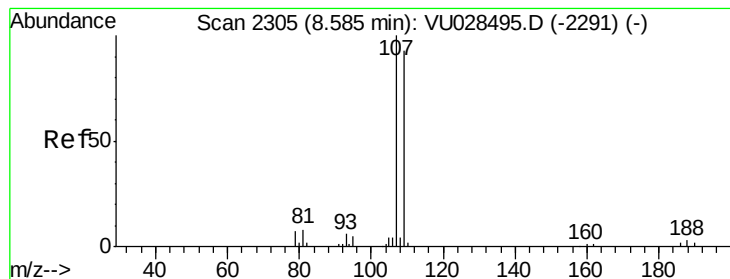
MMDadoda
 12/24/2018 11:48:37 AM



#60
 Dibromochloromethane
 Concen: 54.922 ug/l
 RT: 8.48 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 129 Resp: 71033
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 55.738 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 77213

Ion Ratio Lower Upper

107 100

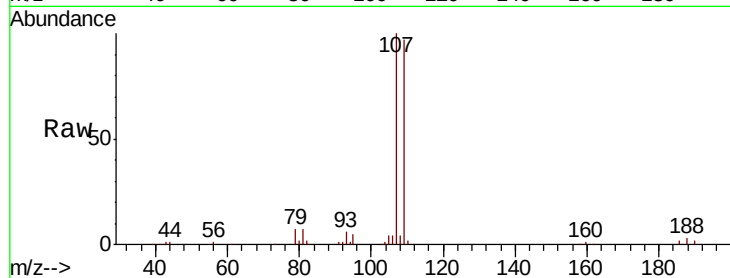
109 96.1 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

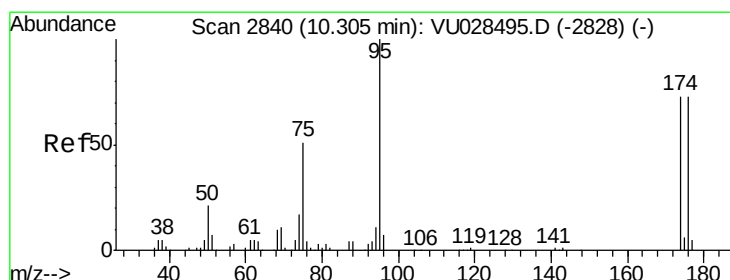
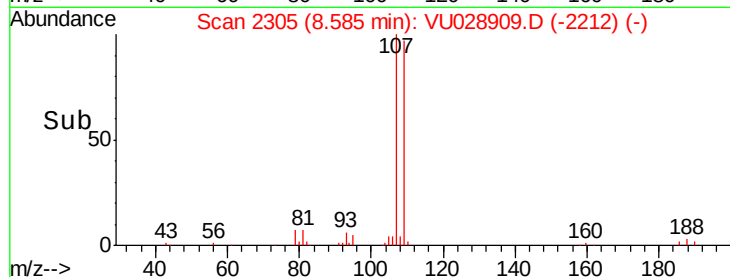
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.639 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

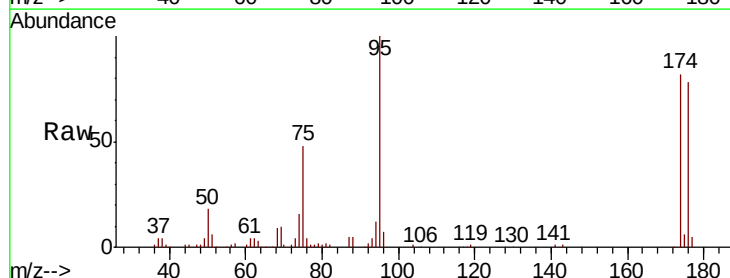
Tgt Ion: 95 Resp: 84655

Ion Ratio Lower Upper

95 100

174 84.1 0.0 150.4

176 81.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

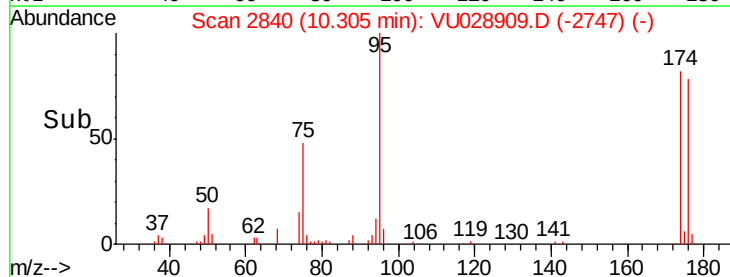
60000

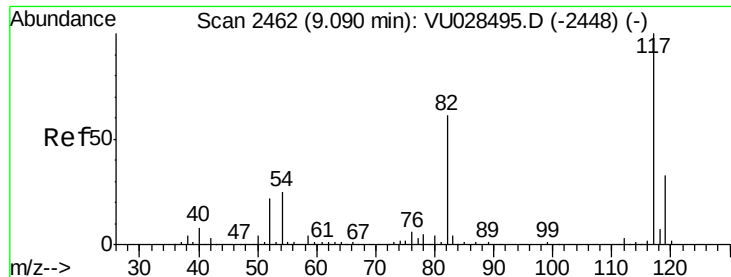
40000

20000

0

Time-->





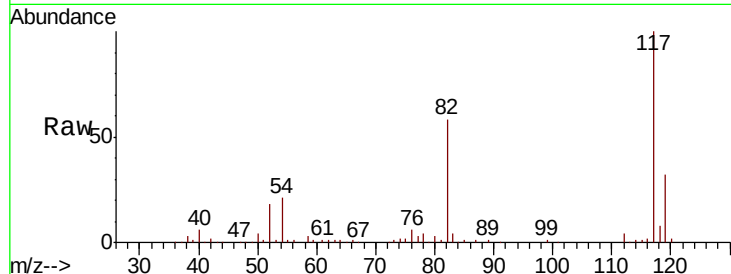
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.9	73.3
119	32.4	26.2	39.4

Manual Integrations
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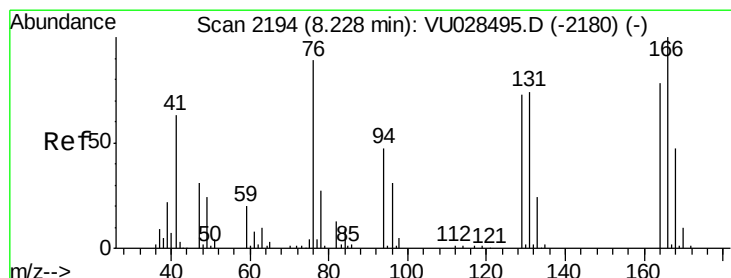
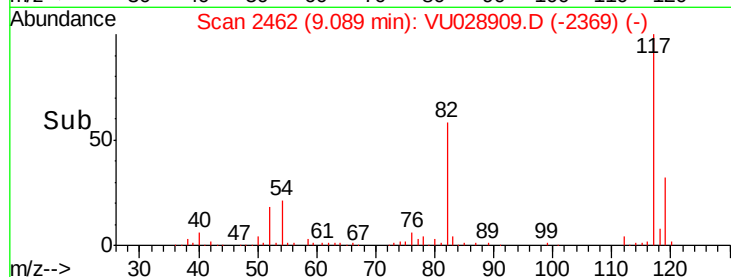
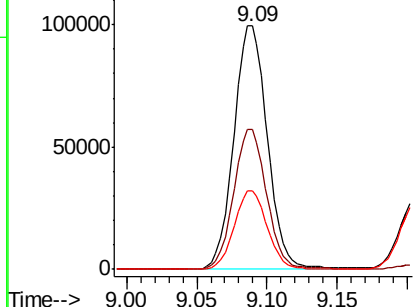


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 57.458 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.9	152.9
129	90.6	74.9	112.3
131	91.1	75.4	113.0

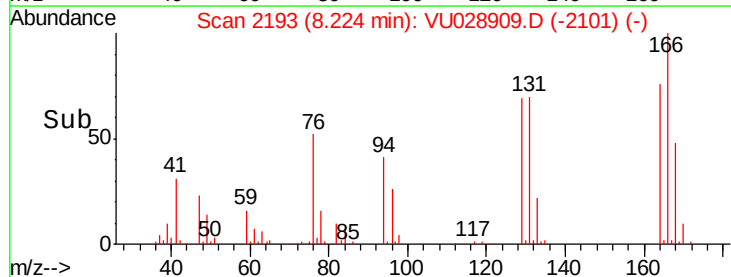
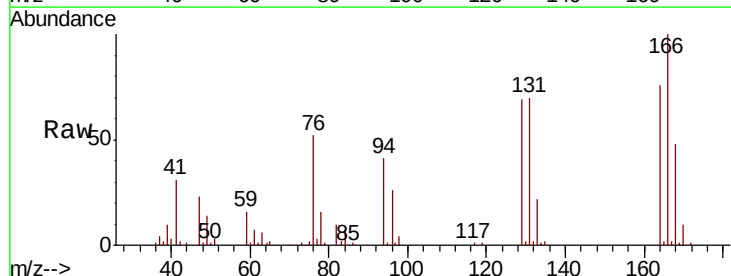
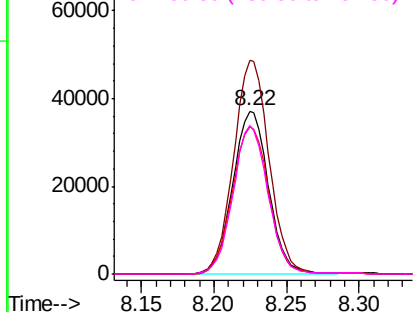
Abundance

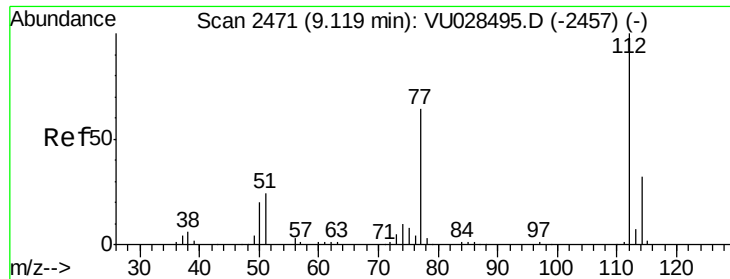
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





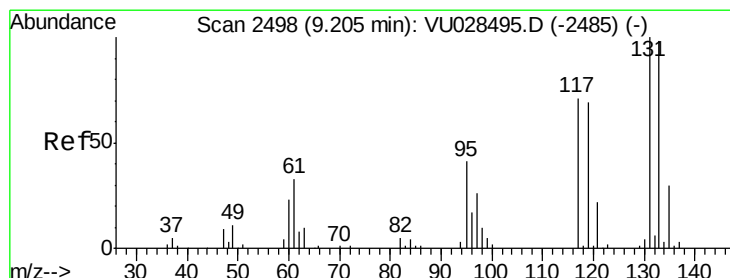
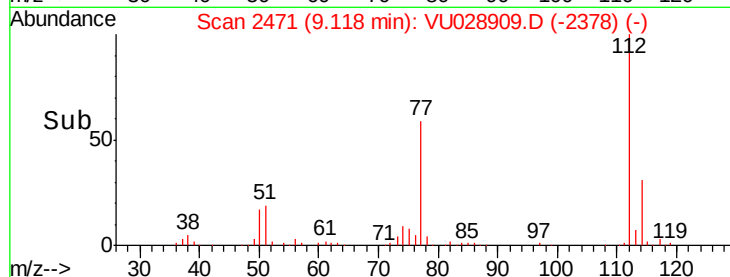
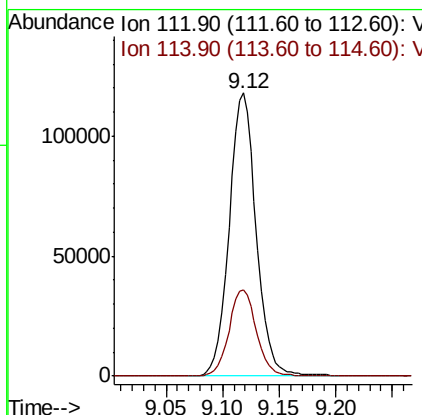
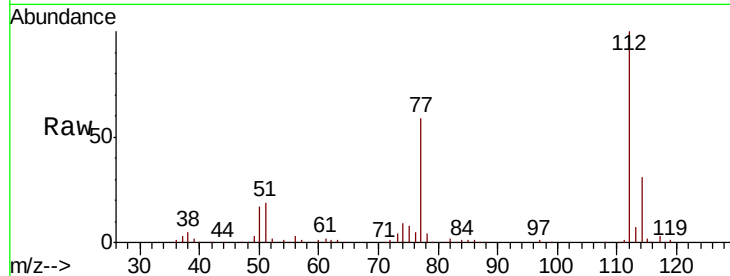
#65
Chlorobenzene
Concen: 55.529 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.3	37.9

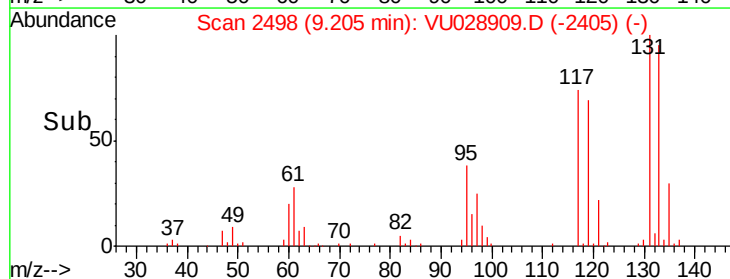
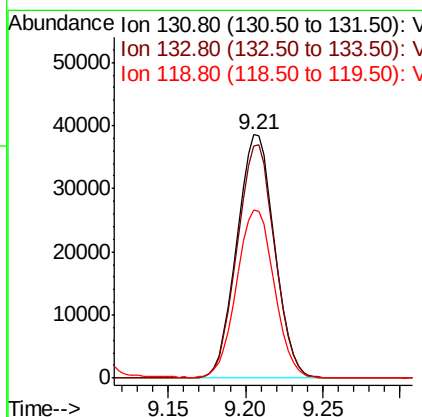
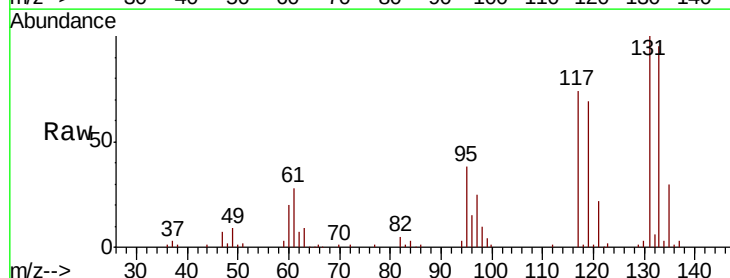
Manual Integrations
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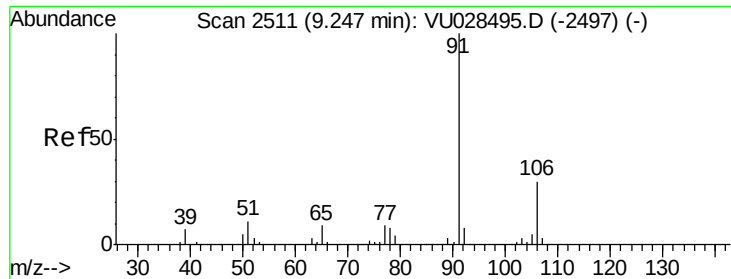
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.033 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.0	144.0
119	69.1	34.6	103.9





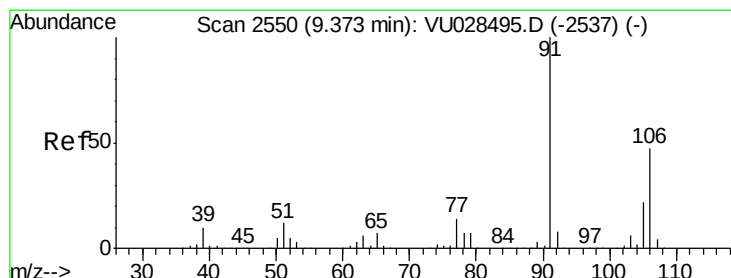
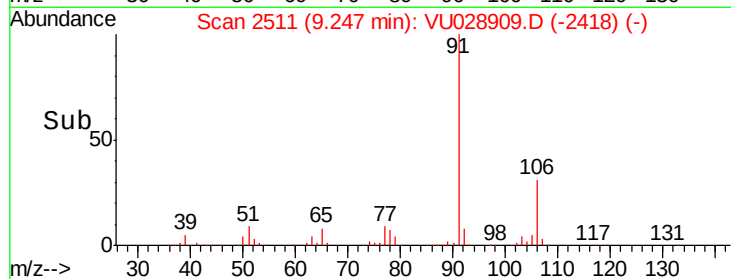
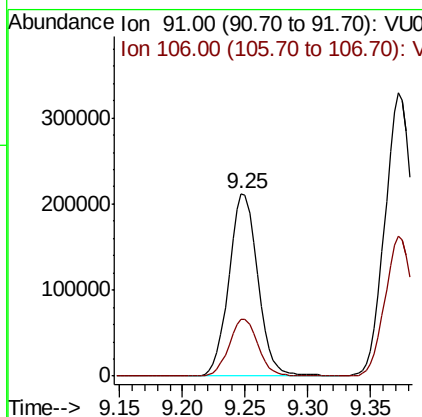
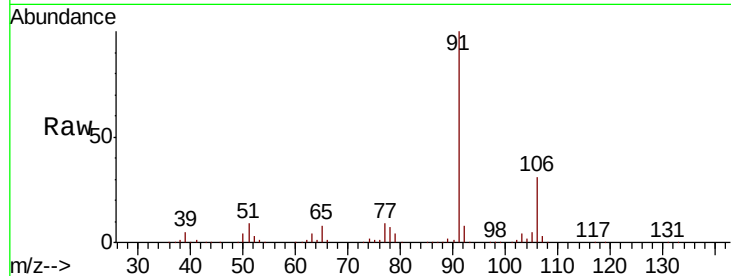
#67
Ethyl Benzene
Concen: 52.455 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 340265
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

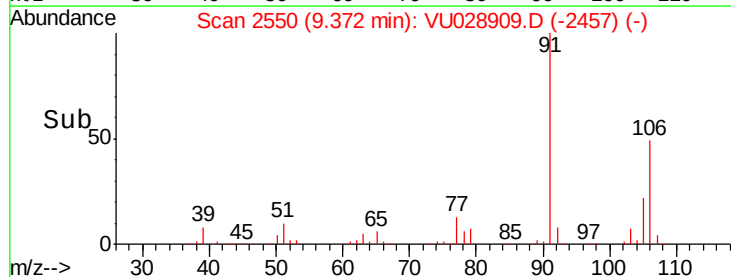
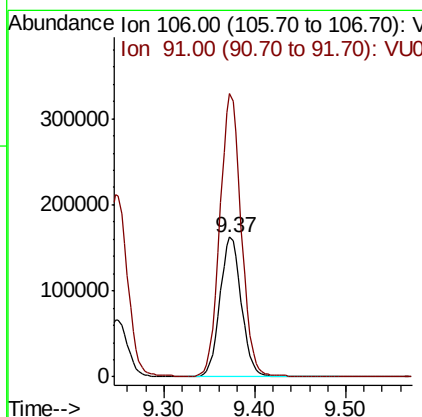
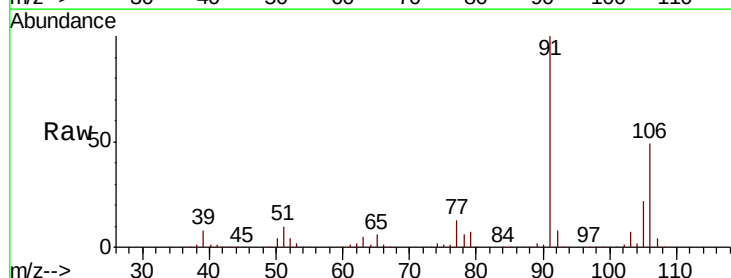
Manual Integrations
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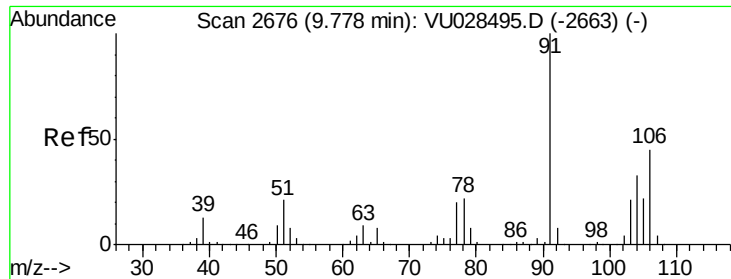
MMDadoda
12/24/2018 11:48:37 AM



#68
m/p-Xylenes
Concen: 112.715 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion: 106 Resp: 266049
Ion Ratio Lower Upper
106 100
91 202.1 167.4 251.0





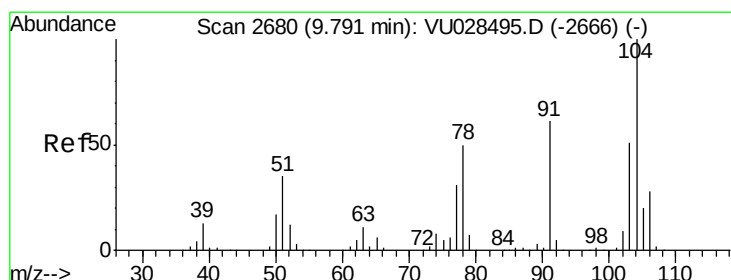
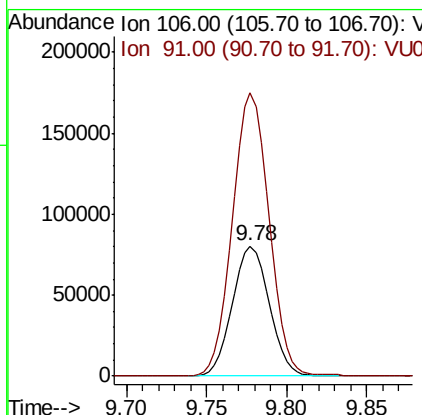
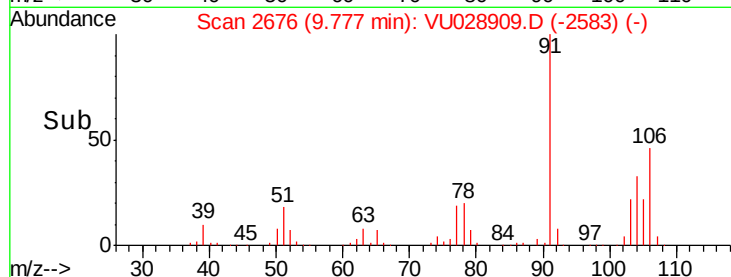
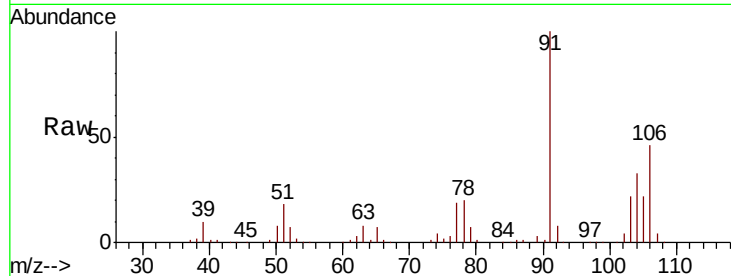
#69
o-Xylene
Concen: 55.067 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 126312
Ion Ratio Lower Upper
106 100
91 216.1 111.3 334.0

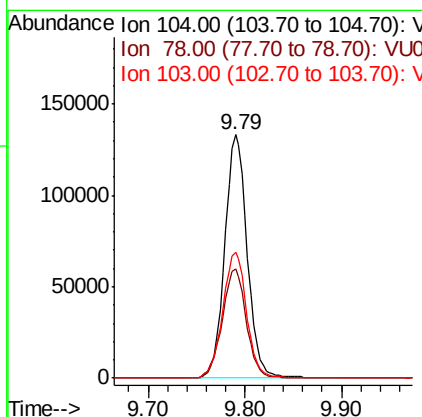
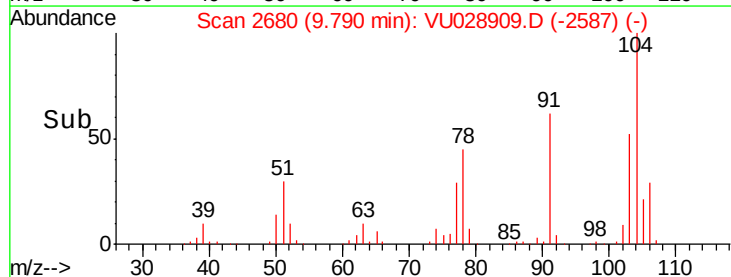
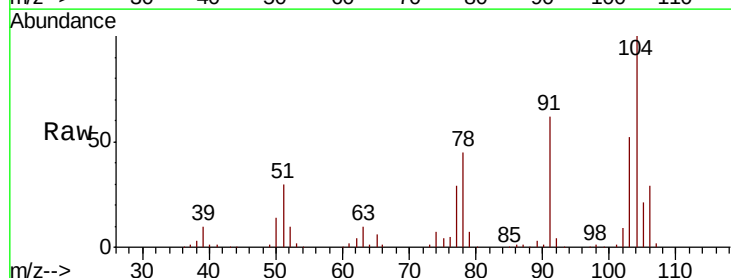
Manual Integrations
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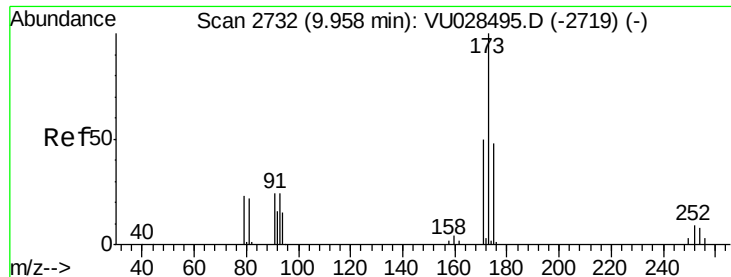
MMDadoda
12/24/2018 11:48:37 AM



#70
Styrene
Concen: 56.339 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion:104 Resp: 213866
Ion Ratio Lower Upper
104 100
78 48.4 43.0 64.6
103 55.1 44.2 66.4





#71

Bromoform

Concen: 58.858 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56419

Ion Ratio Lower Upper

173 100

175 48.0 23.9 71.8

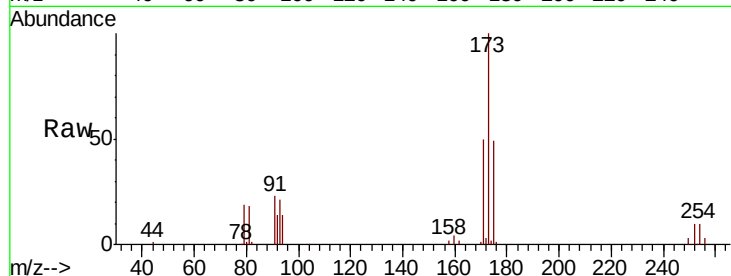
254 0.0 0.0 0.0

Manual Integrations

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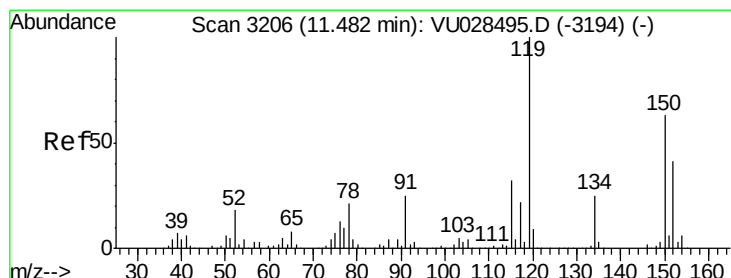
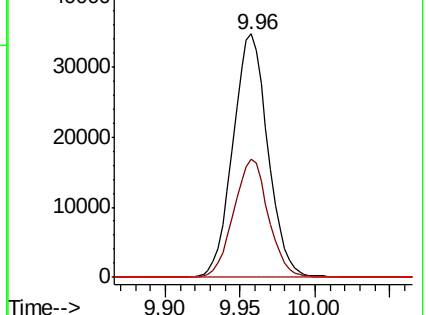
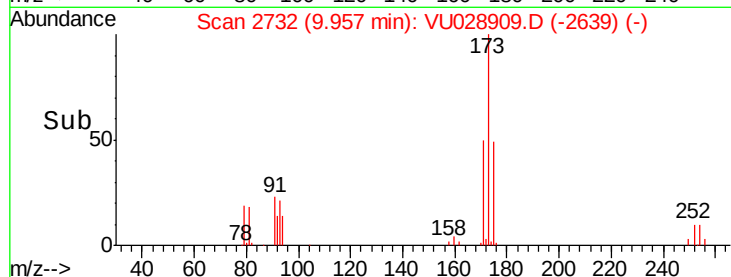
12/24/2018 11:48:37 AM



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: VU028909.D

Acq: 22 Dec 2018 10:28

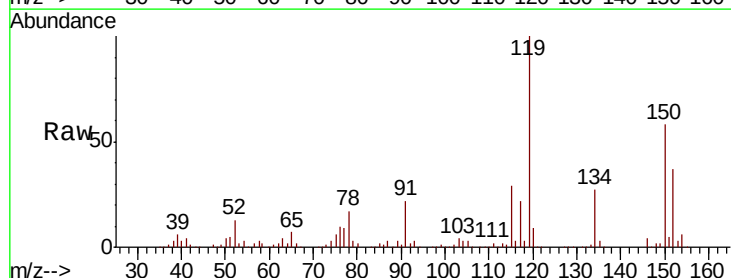
Tgt Ion:152 Resp: 85397

Ion Ratio Lower Upper

152 100

115 82.9 42.7 128.1

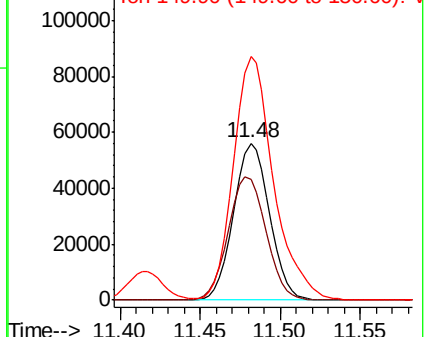
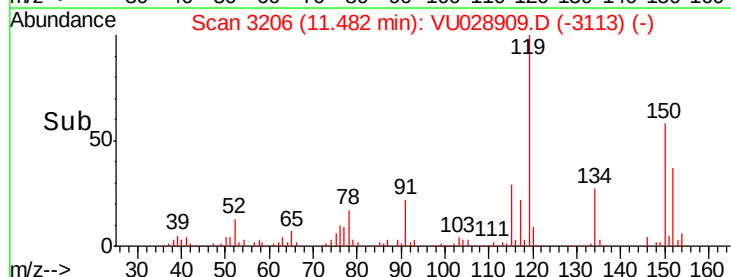
150 174.6 0.0 346.0

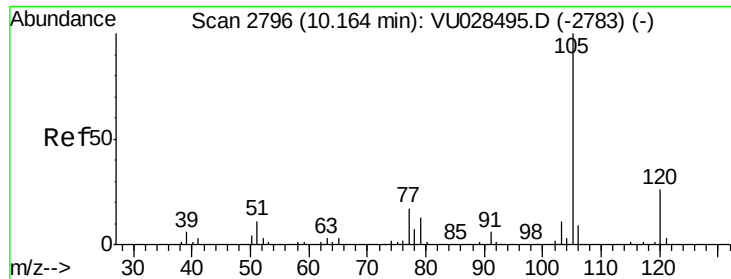


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.231 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 335710

Ion Ratio Lower Upper

105 100

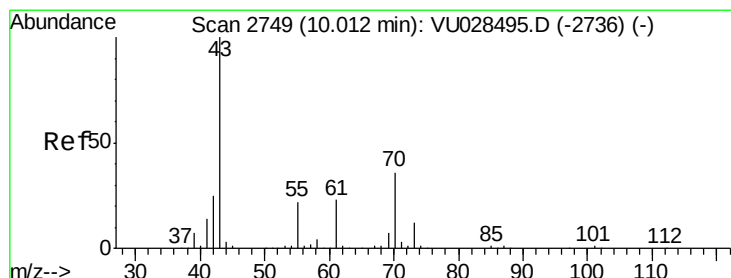
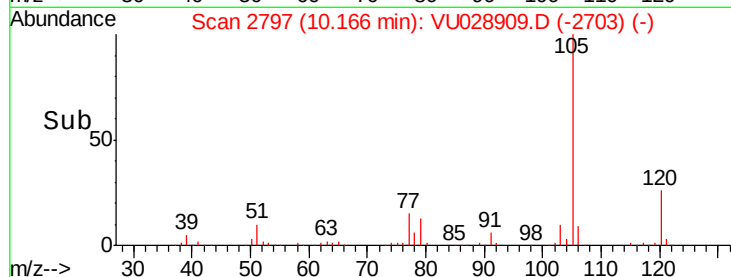
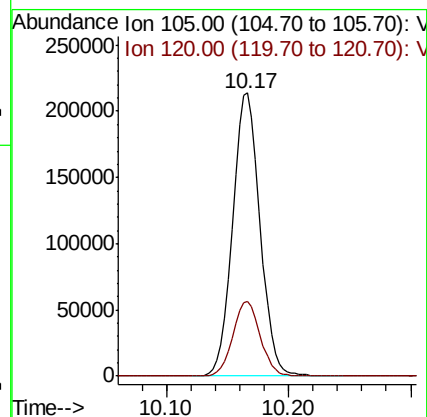
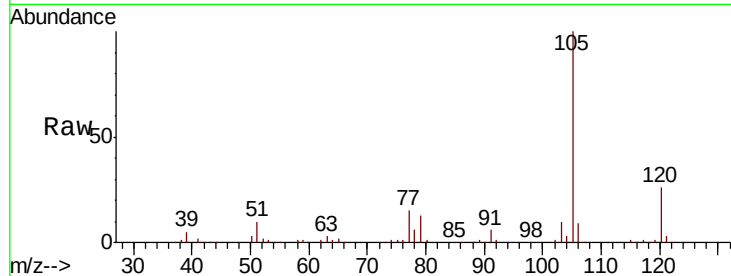
120 26.4 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 40.339 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion: 43 Resp: 152474

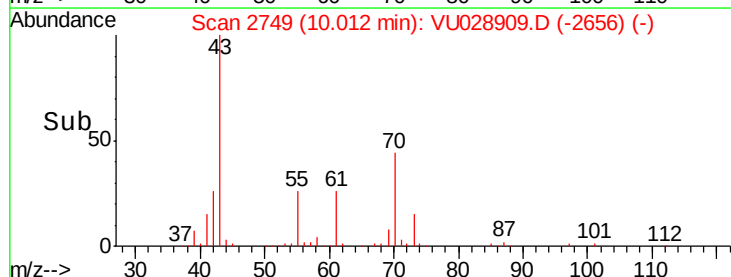
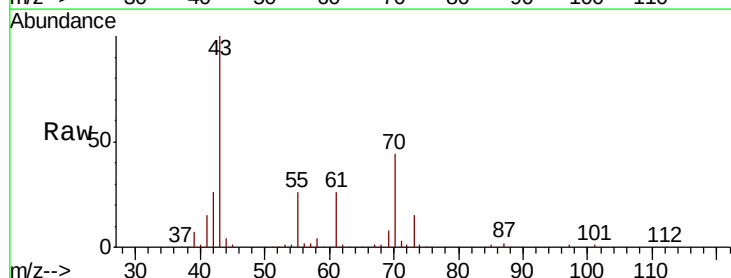
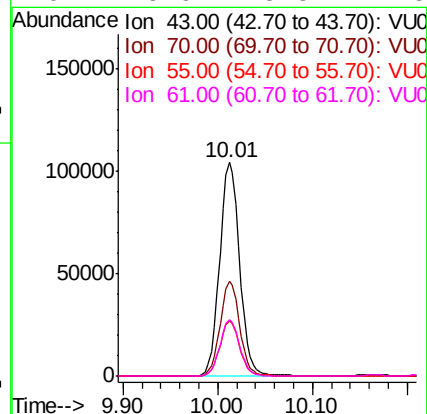
Ion Ratio Lower Upper

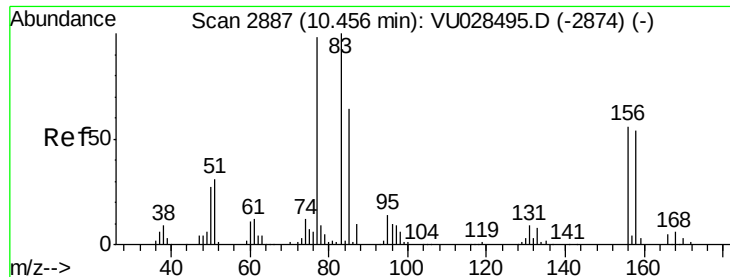
43 100

70 43.3 29.3 43.9

55 25.6 18.0 27.0

61 25.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.291 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

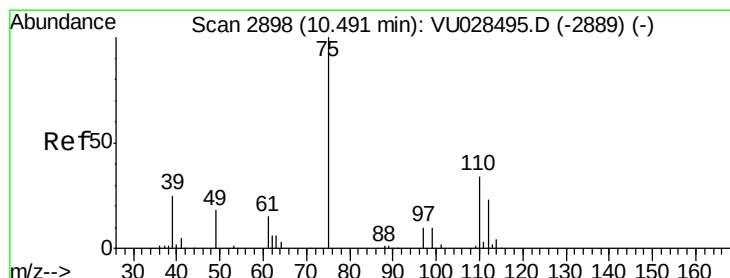
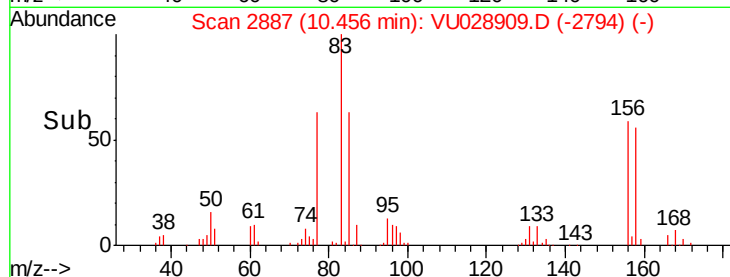
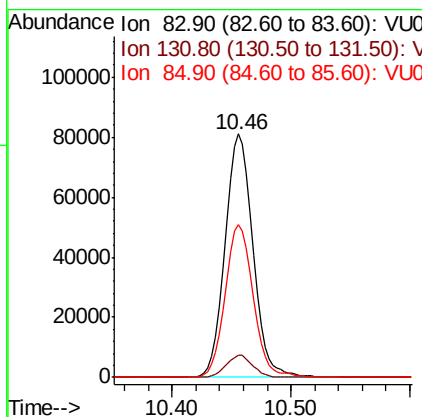
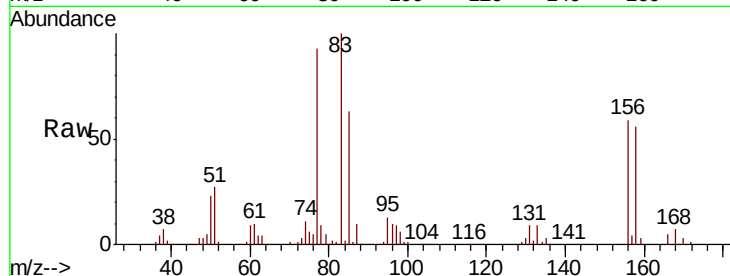
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	131628
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.2	12.4
85	63.3	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 54.453 ug/l m

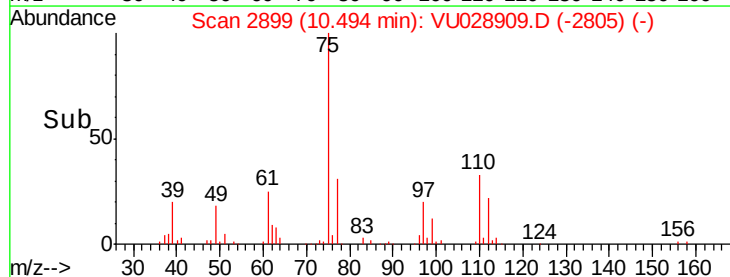
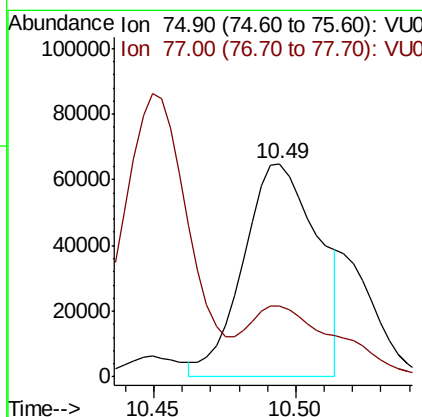
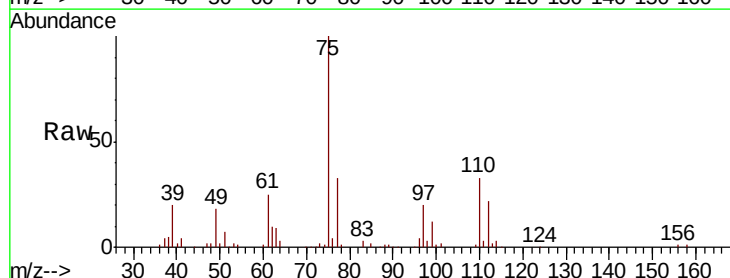
RT: 10.49 min Scan# 2899

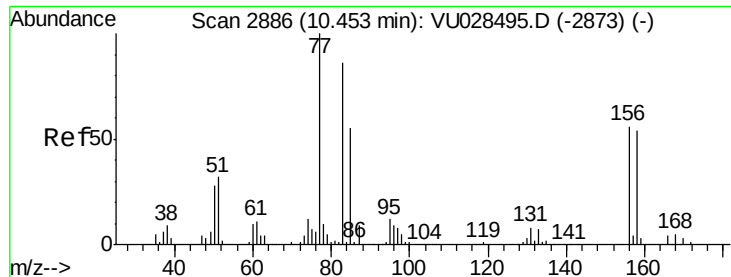
Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	75	Resp:	118741
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.8	62.4





#77

Bromobenzene

Concen: 55.055 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 84374

Ion Ratio Lower Upper

156 100

77 165.4 92.4 277.2

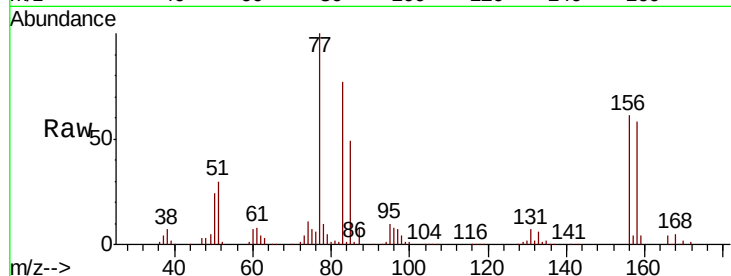
158 94.8 48.4 145.3

Manual Integrations

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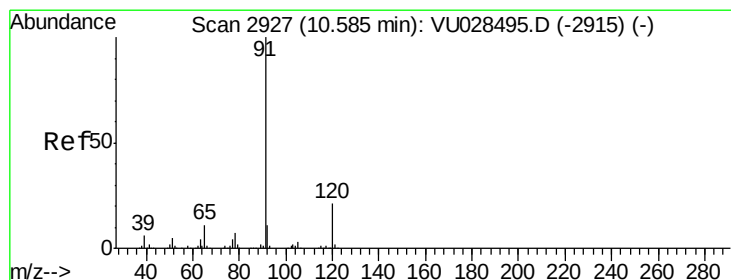
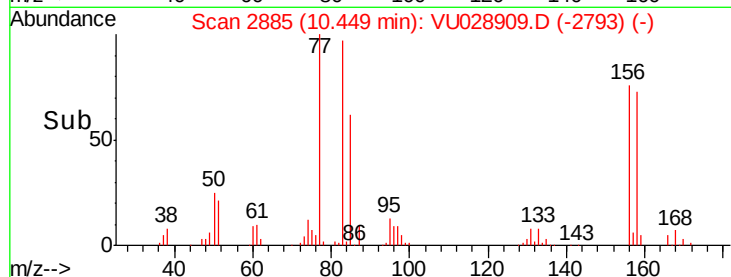
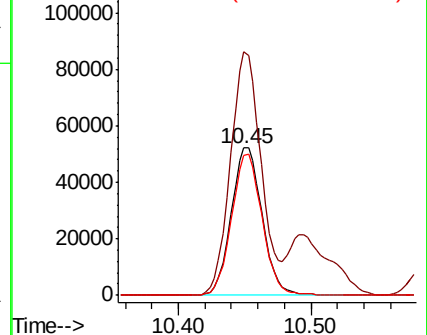
12/24/2018 11:48:37 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.228 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028909.D

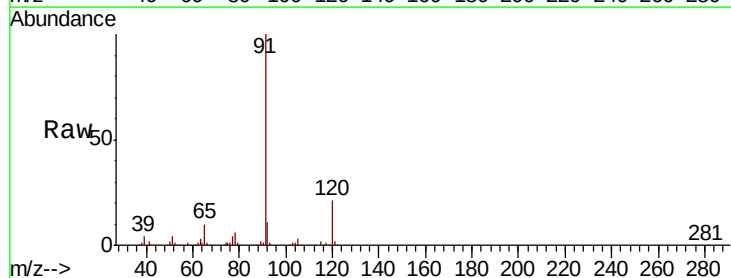
Acq: 22 Dec 2018 10:28

Tgt Ion: 91 Resp: 408982

Ion Ratio Lower Upper

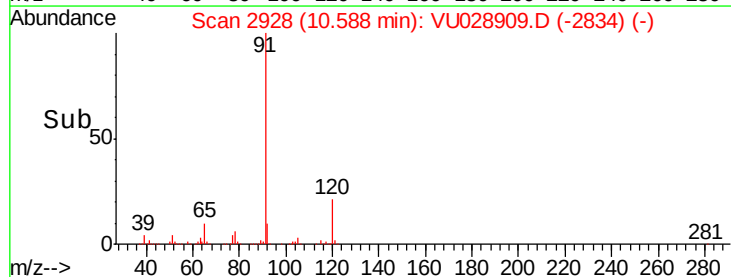
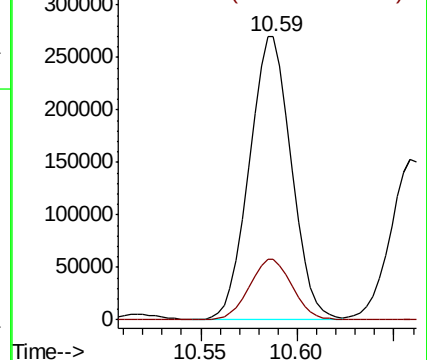
91 100

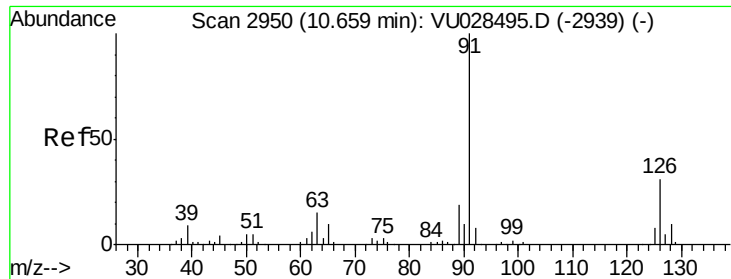
120 21.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





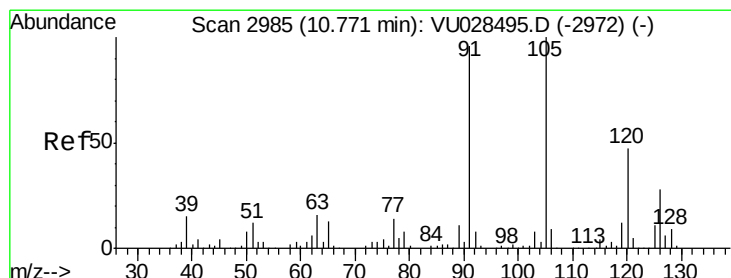
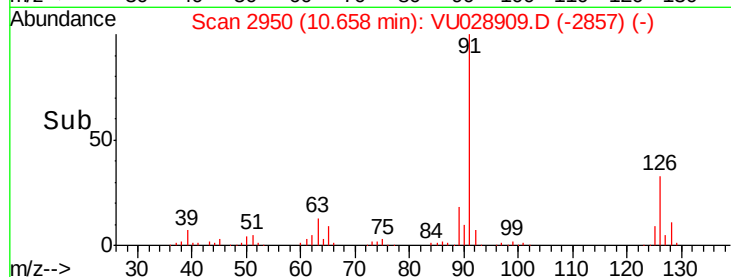
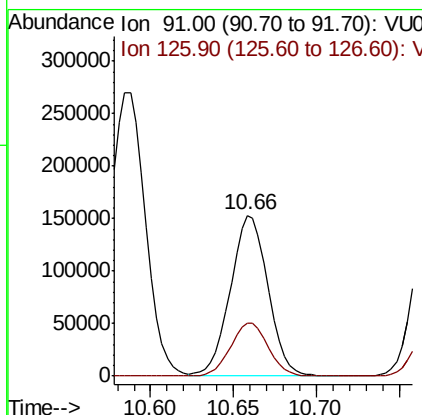
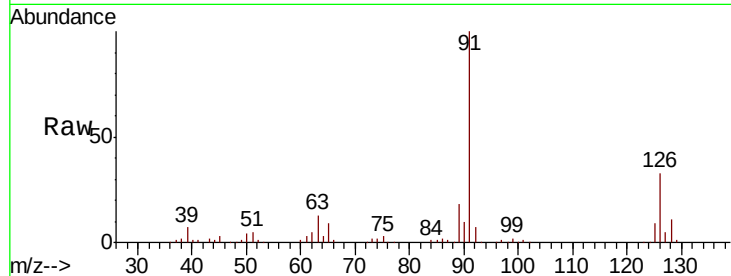
#79
 2-Chlorotoluene
 Concen: 51.105 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 239696
 Ion Ratio Lower Upper
 91 100
 126 33.4 15.6 46.8

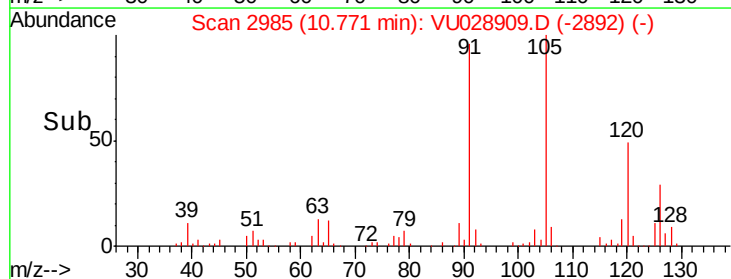
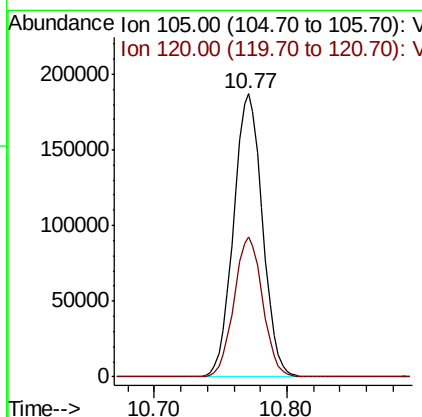
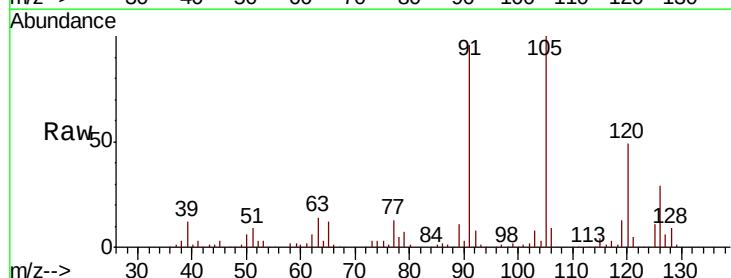
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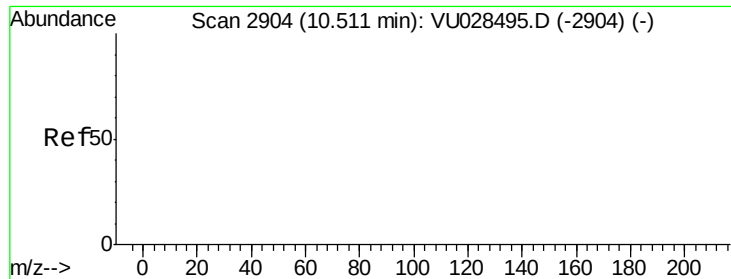
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.052 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion: 105 Resp: 282343
 Ion Ratio Lower Upper
 105 100
 120 49.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.306 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

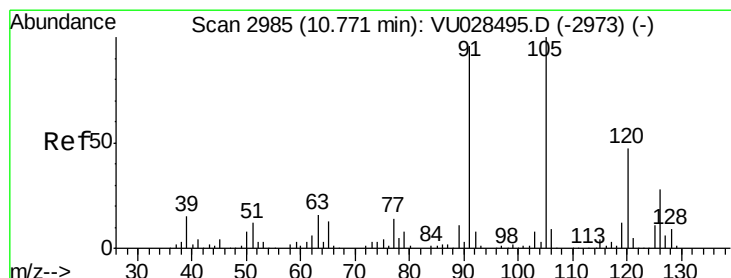
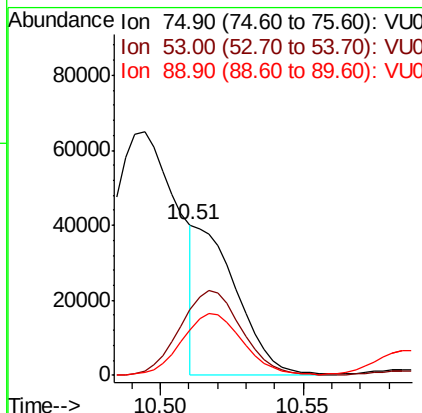
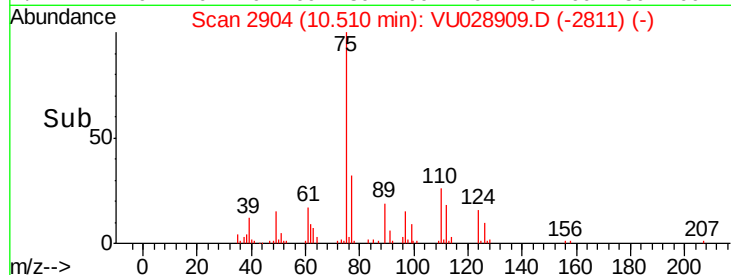
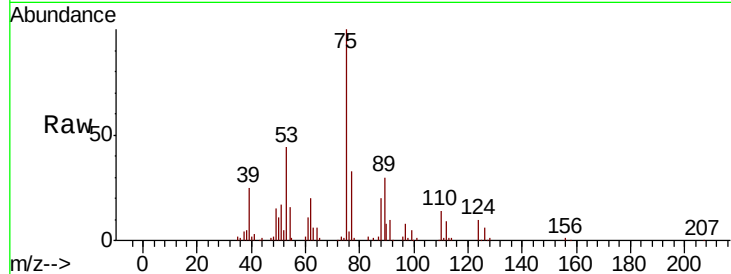
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

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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#82

4-Chlorotoluene

Concen: 49.117 ug/l

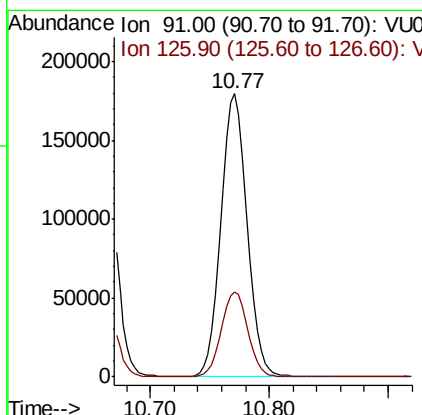
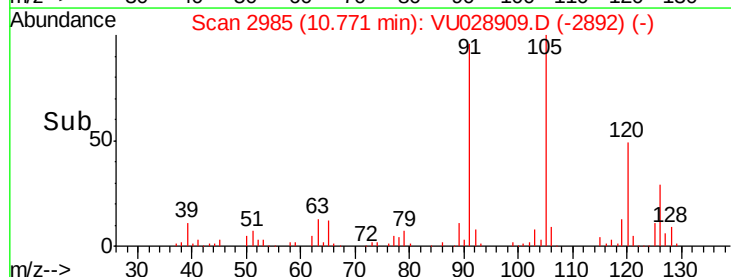
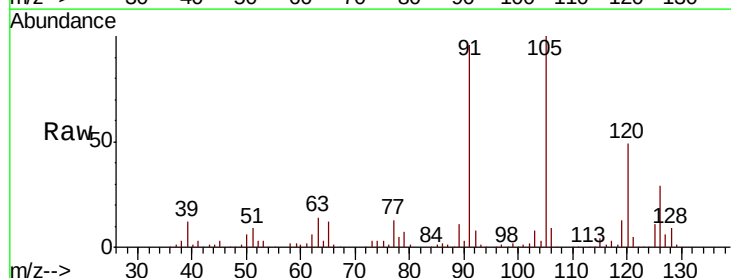
RT: 10.77 min Scan# 2985

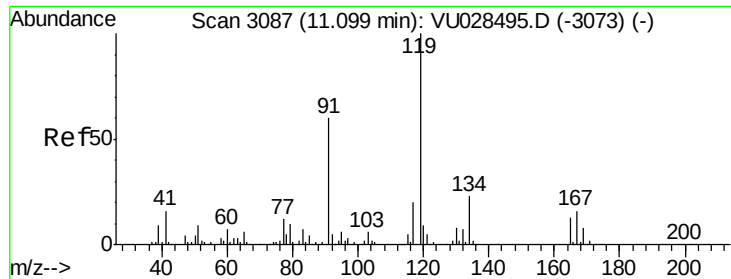
Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.1	42.3





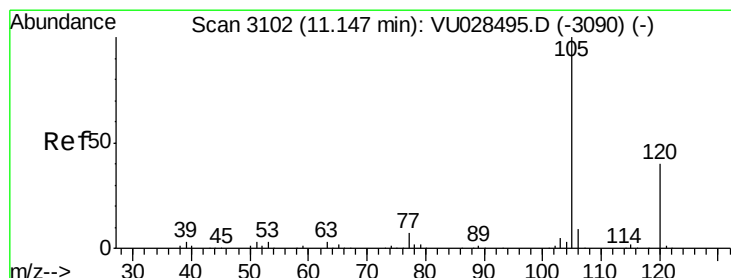
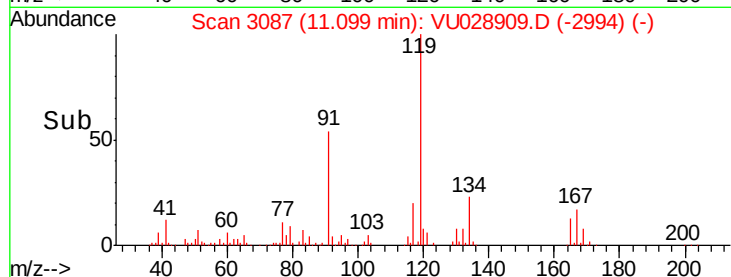
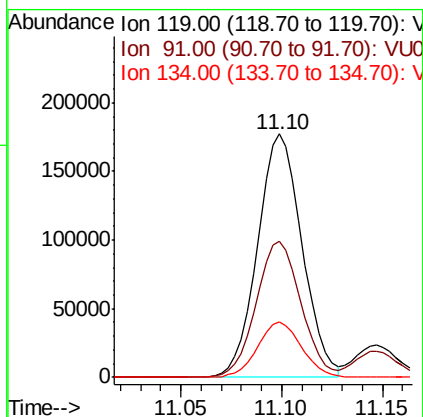
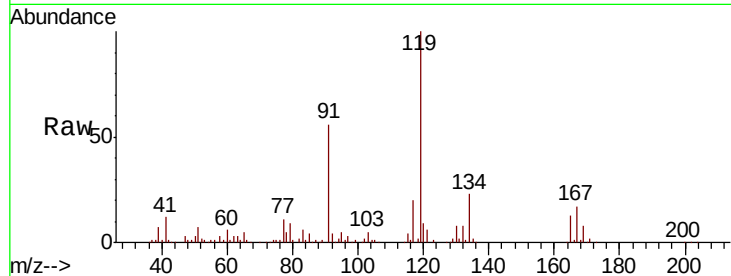
#83
 tert-Butylbenzene
 Concen: 52.084 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272306		
91	56.5	30.3	91.0	
134	22.6	11.2	33.5	

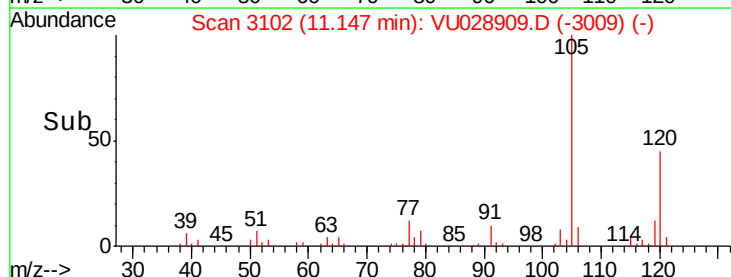
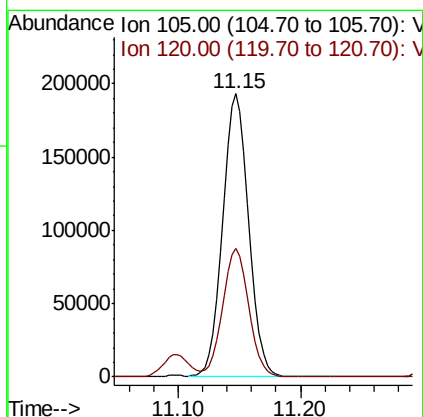
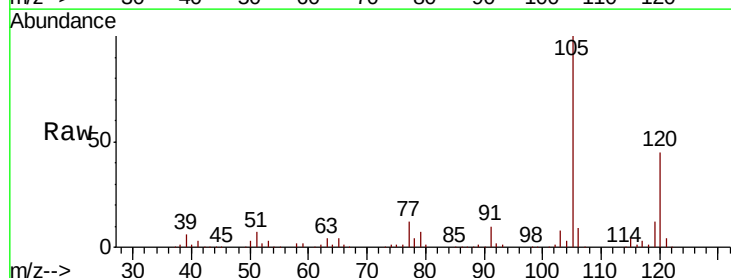
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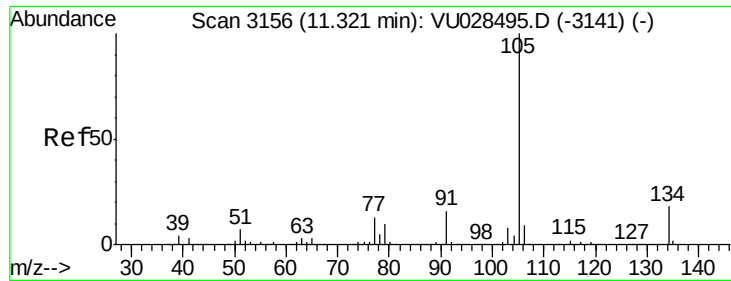
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.964 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290483		
120	45.6	21.8	65.4	





#85

sec-Butylbenzene

Concen: 51.188 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 343805

Ion Ratio Lower Upper

105 100

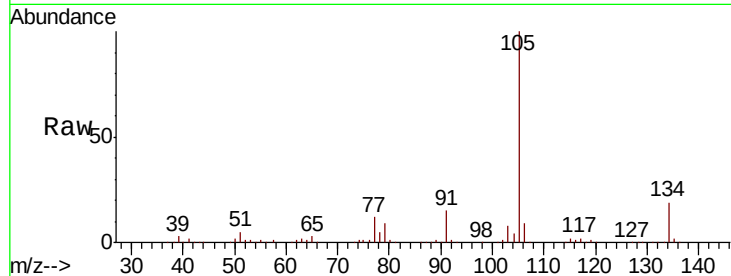
134 19.2 9.2 27.6

Manual Integrations

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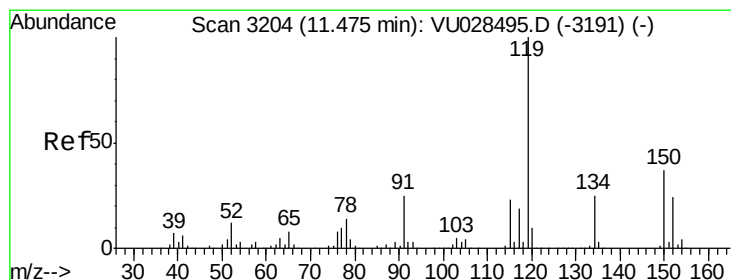
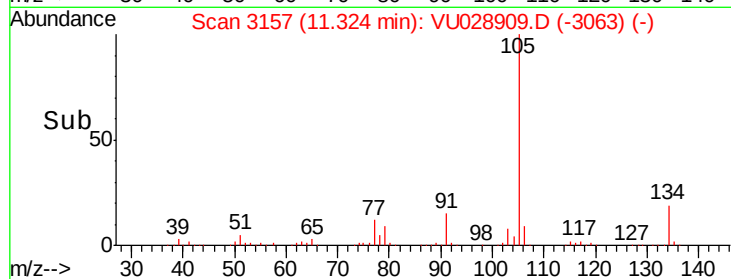
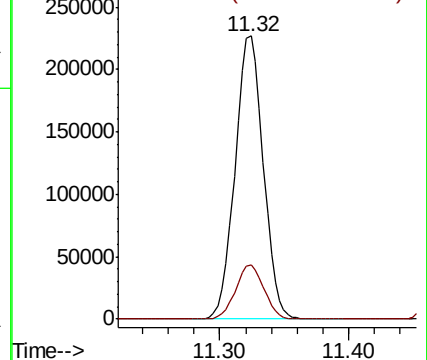
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.944 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

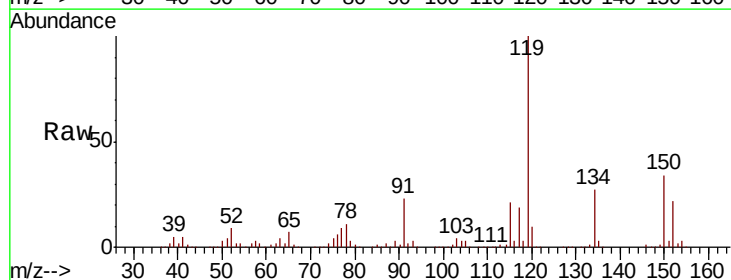
Tgt Ion:119 Resp: 296365

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

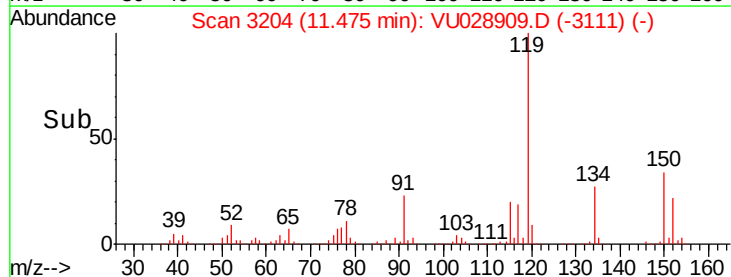
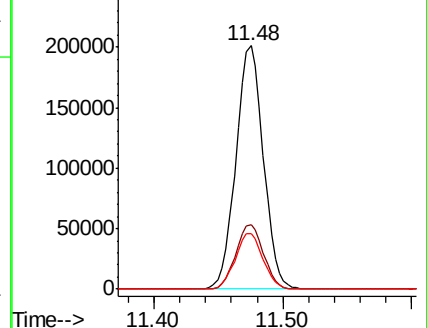
91 23.1 12.6 37.6

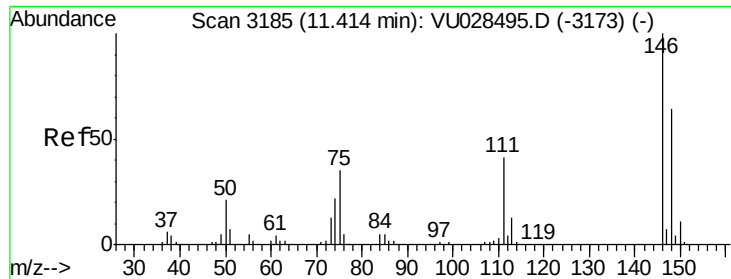


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





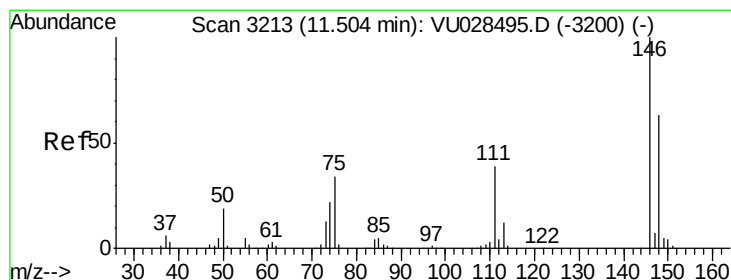
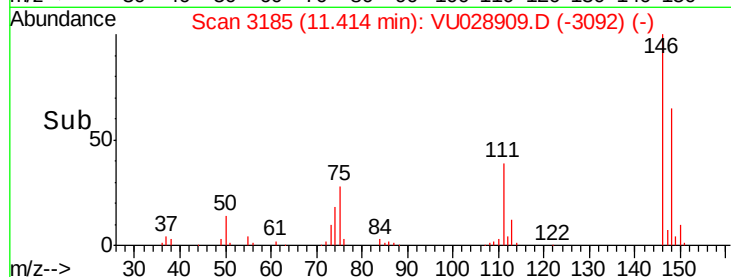
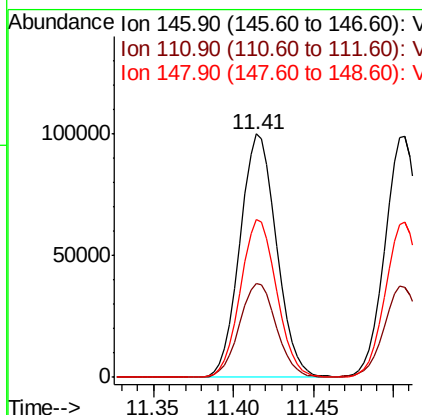
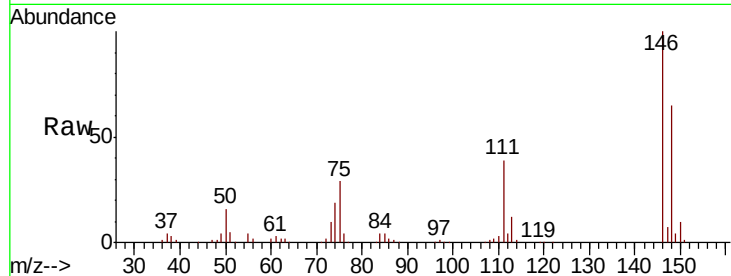
#87
 1,3-Dichlorobenzene
 Concen: 53.761 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.7	62.1
148	64.3	31.9	95.7

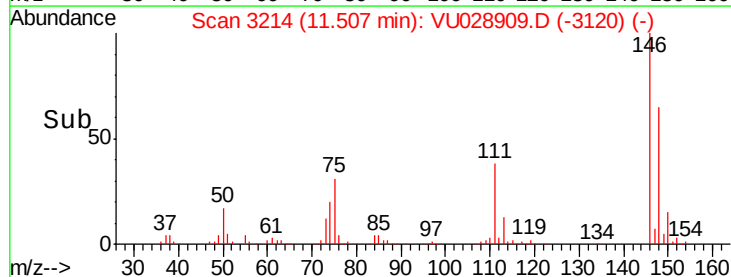
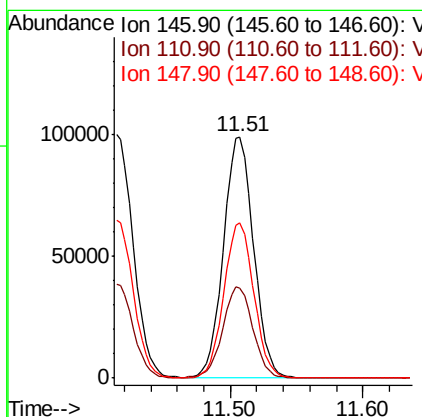
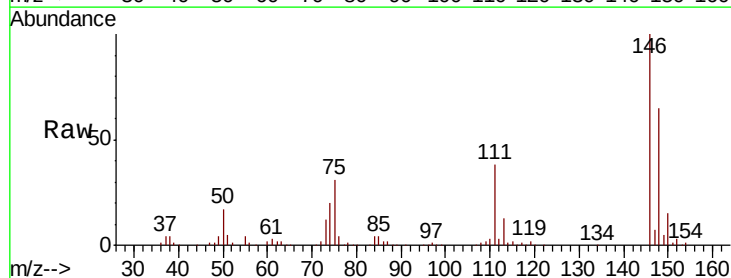
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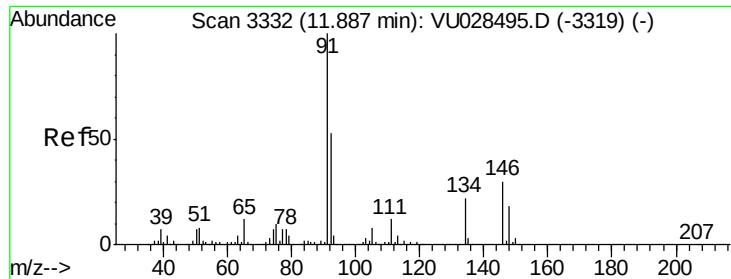
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#88
 1,4-Dichlorobenzene
 Concen: 51.994 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.2	60.5
148	64.2	31.6	95.0





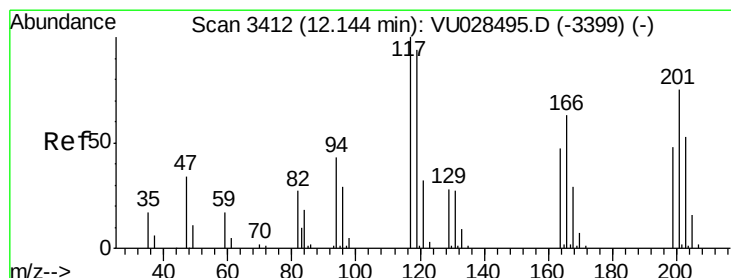
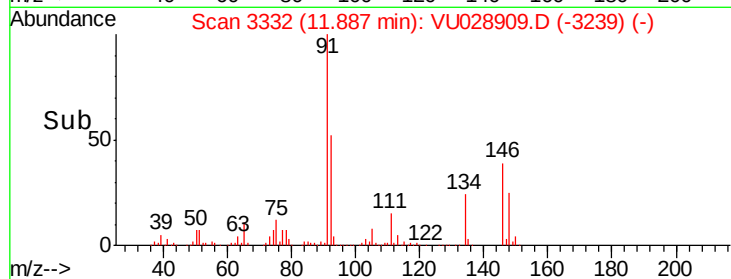
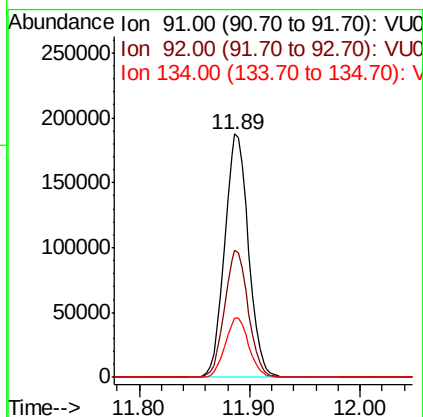
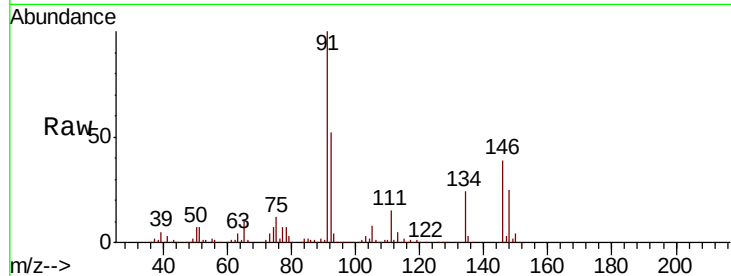
#89
n-Butylbenzene
Concen: 48.583 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	24.3	11.3	33.8

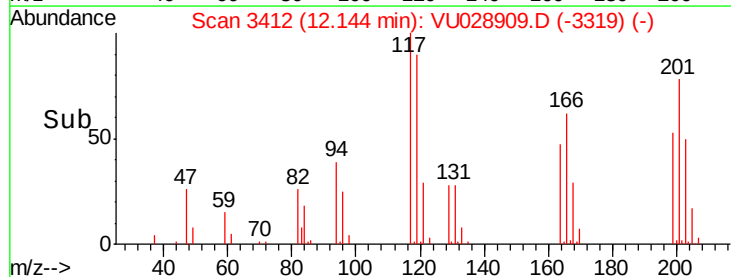
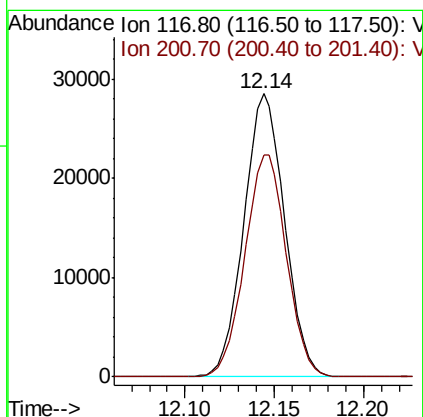
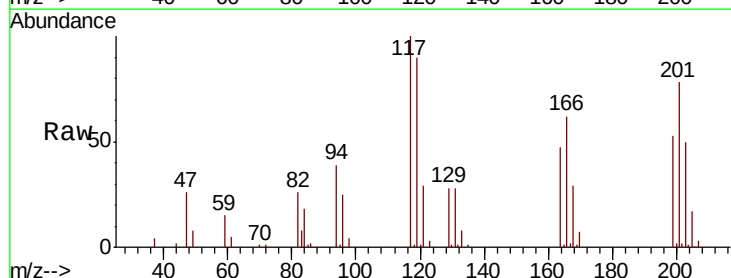
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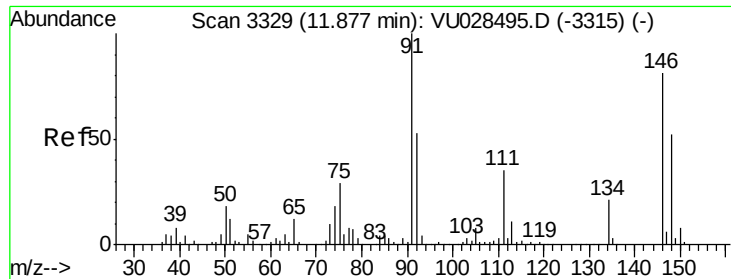
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12/24/2018 11:48:37 AM



#90
Hexachloroethane
Concen: 52.779 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028909.D
Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	38.1	114.5





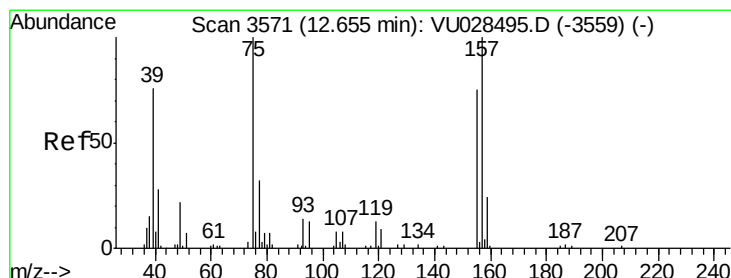
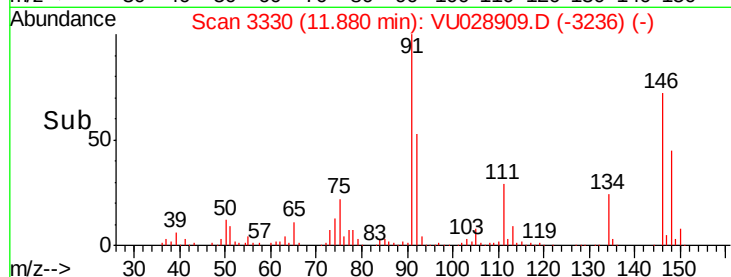
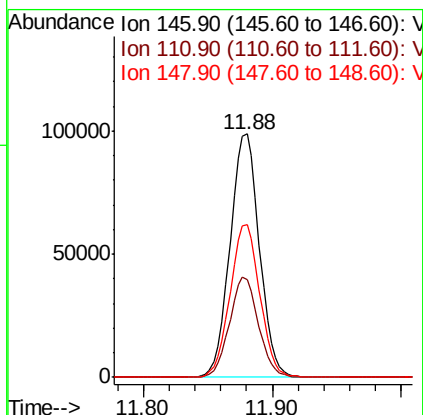
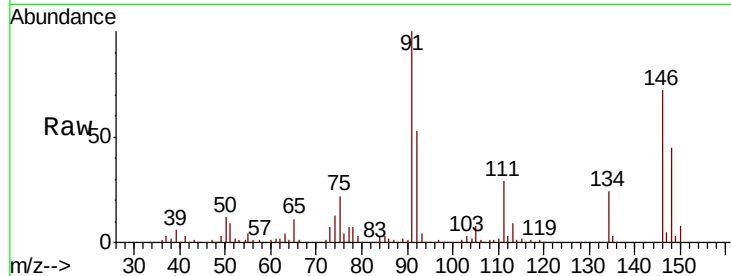
#91
 1,2-Dichlorobenzene
 Concen: 53.951 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.4
148	63.7	31.4	94.2

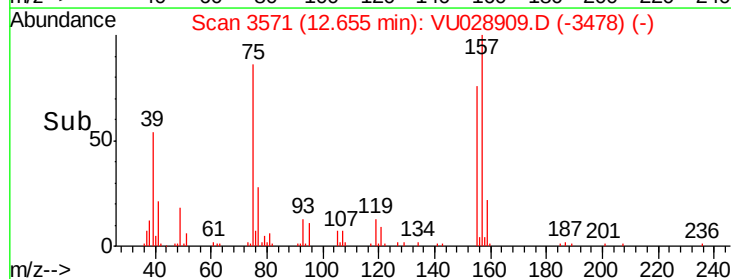
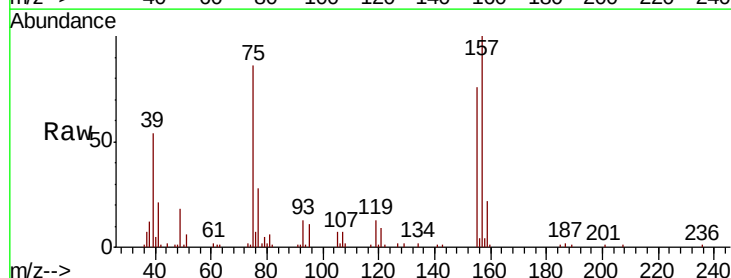
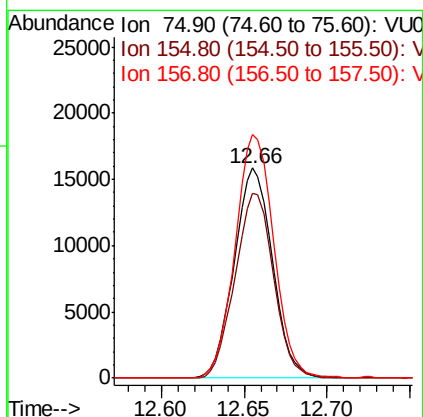
Manual Integrations
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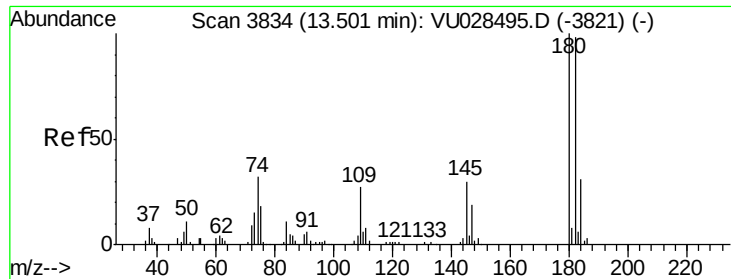
MMDadoda
 12/24/2018 11:48:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.890 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	38.1	114.5
157	116.6	48.7	146.1





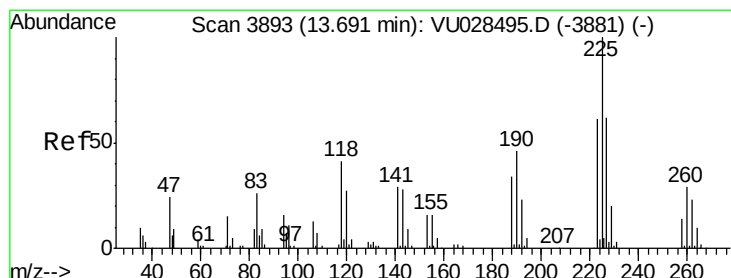
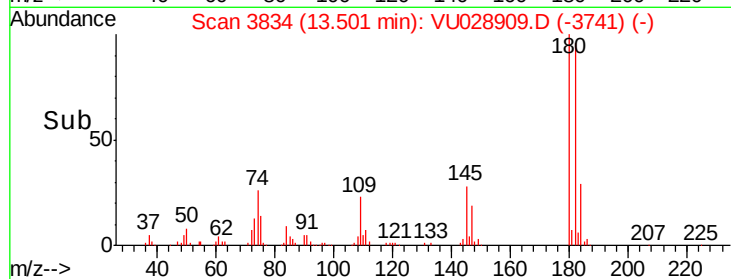
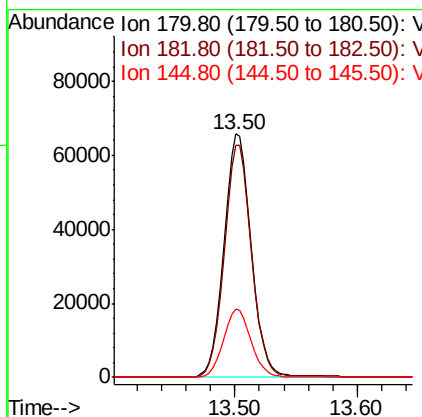
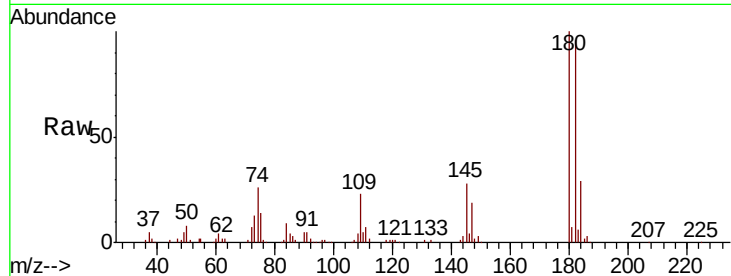
#93
 1,2,4-Trichlorobenzene
 Concen: 52.071 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	28.3	15.0	45.1

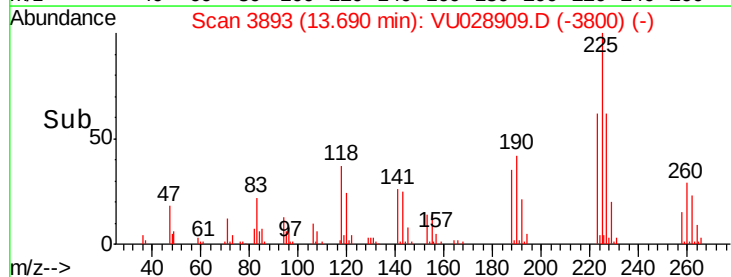
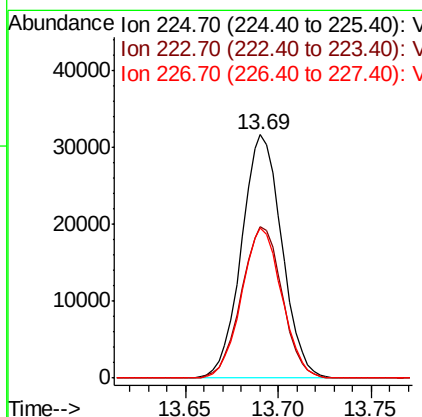
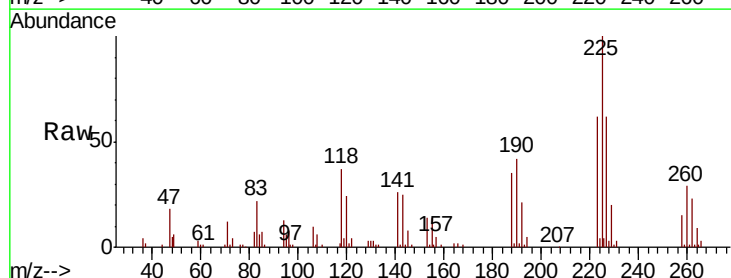
Manual Integrations
 APPROVED

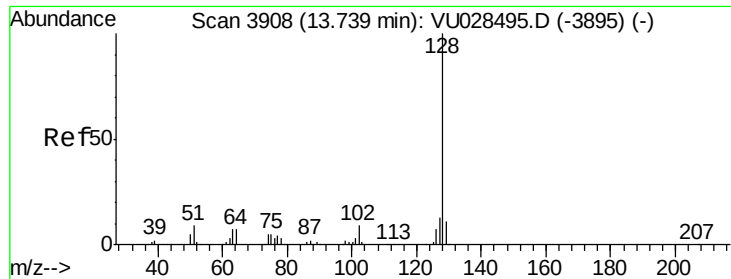
MMDadoda
 12/24/2018 11:48:37 AM



#94
 Hexachlorobutadiene
 Concen: 50.364 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028909.D
 Acq: 22 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.4	91.2
227	61.7	30.7	92.1





#95

Naphthalene

Concen: 48.817 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Instrument :

MSVOA_U

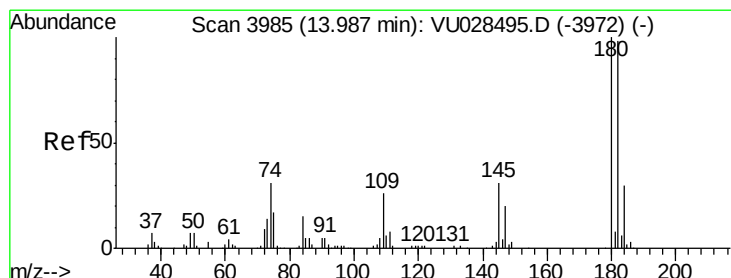
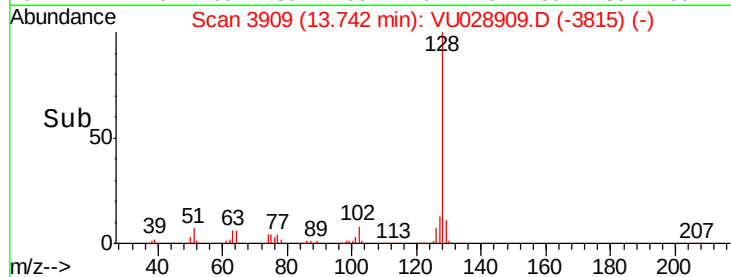
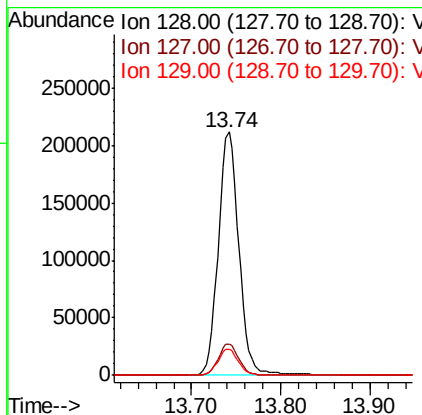
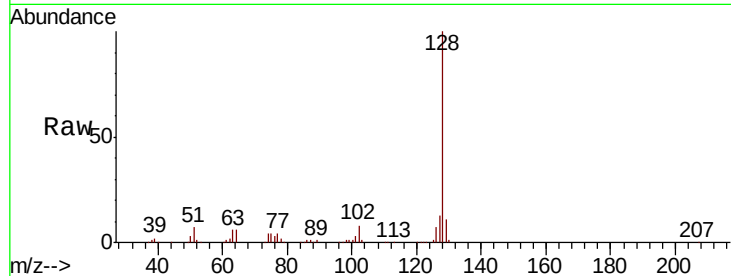
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	339084
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 52.900 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028909.D

Acq: 22 Dec 2018 10:28

Tgt Ion:	180	Resp:	104740
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.2	144.6
145	30.0	15.8	47.3

