

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028808.D
 Acq On : 19 Dec 2018 20:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:51 AM

Quant Time: Dec 20 06:47:52 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	112515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	188056	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89068	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	74653	43.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.96%		
35) Dibromofluoromethane	4.88	113	61903	52.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.62%		
50) Toluene-d8	7.56	98	241148	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.02%		
62) 4-Bromofluorobenzene	10.30	95	89365	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.14%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	69101	45.820	ug/l	100
3) Chloromethane	1.33	50	109975	39.664	ug/l	99
4) Vinyl Chloride	1.40	62	95757	47.857	ug/l	100
5) Bromomethane	1.61	94	45109	55.966	ug/l	99
6) Chloroethane	1.69	64	54684	48.275	ug/l	99
7) Trichlorofluoromethane	1.88	101	99647	47.334	ug/l	97
8) Diethyl Ether	2.10	74	47211	47.934	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62544	49.676	ug/l	97
10) Methyl Iodide	2.41	142	67450	68.275	ug/l	95
11) Tert butyl alcohol	2.83	59	85888	224.513	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62915	50.223	ug/l	86
13) Acrolein	2.19	56	60248	197.556	ug/l	100
14) Allyl chloride	2.59	41	113619	38.339	ug/l #	95
15) Acrylonitrile	2.93	53	246055	231.671	ug/l	98
16) Acetone	2.32	43	184163	164.364	ug/l	90
17) Carbon Disulfide	2.48	76	210531	46.650	ug/l	99
18) Methyl Acetate	2.61	43	131429	45.250	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	224425	47.258	ug/l	97
20) Methylene Chloride	2.70	84	76066	46.053	ug/l	90
21) trans-1,2-Dichloroethene	2.98	96	71672	50.815	ug/l	90
22) Diisopropyl ether	3.57	45	247760	42.991	ug/l	95
23) Vinyl Acetate	3.52	43	1002617	210.917	ug/l #	95
24) 1,1-Dichloroethane	3.45	63	137857	45.698	ug/l	99
25) 2-Butanone	4.26	43	306811	200.371	ug/l	93
26) 2,2-Dichloropropane	4.22	77	102773	42.995	ug/l	96
27) cis-1,2-Dichloroethene	4.22	96	82729	51.821	ug/l	89
28) Bromochloromethane	4.55	49	57323	41.799	ug/l	85
29) Tetrahydrofuran	4.64	42	208171	211.684	ug/l	90
30) Chloroform	4.67	83	126710	48.192	ug/l	97
31) Cyclohexane	4.99	56	130293	44.118	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	103248	47.282	ug/l	97
36) 1,1-Dichloropropene	5.13	75	99745	48.470	ug/l	97
37) Ethyl Acetate	4.38	43	117148	44.037	ug/l	96
38) Carbon Tetrachloride	5.13	117	83210	50.167	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	120870	48.144	ug/l	93
40) Benzene	5.39	78	313937	51.797	ug/l	99
41) Methacrylonitrile	4.54	41	65250	44.788	ug/l	93
42) 1,2-Dichloroethane	5.40	62	98683	46.515	ug/l	97
43) Isopropyl Acetate	5.55	43	184410	43.827	ug/l #	95
44) Trichloroethene	6.19	130	78162	58.000	ug/l	91
45) 1,2-Dichloropropane	6.43	63	86373	50.677	ug/l	97
46) Dibromomethane	6.56	93	52440	51.856	ug/l	93
47) Bromodichloromethane	6.76	83	98116	49.860	ug/l	100
48) Methyl methacrylate	6.62	41	93046	44.467	ug/l	90
49) 1,4-Dioxane	6.61	88	36891	1116.568	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	591910	223.041	ug/l	94
52) Toluene	7.64	92	188863	52.948	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	114252	48.749	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	126382	49.704	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	76097	53.970	ug/l	98
56) Ethyl methacrylate	8.02	69	123011	50.946	ug/l	88
57) 1,3-Dichloropropane	8.24	76	132536	50.637	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	277462	224.351	ug/l	95
59) 2-Hexanone	8.36	43	450546	214.195	ug/l	92
60) Dibromochloromethane	8.48	129	72945	52.841	ug/l	99
61) 1,2-Dibromoethane	8.58	107	80954	54.750	ug/l	99
64) Tetrachloroethene	8.22	164	65078	55.257	ug/l	97
65) Chlorobenzene	9.12	112	199156	52.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	67082	55.833	ug/l	98
67) Ethyl Benzene	9.25	91	353942	51.173	ug/l	99
68) m/p-Xylenes	9.37	106	270254	107.382	ug/l	96
69) o-Xylene	9.78	106	133011	54.384	ug/l	94
70) Styrene	9.79	104	219644	54.265	ug/l	97
71) Bromoform	9.96	173	58395	57.133	ug/l #	100
73) Isopropylbenzene	10.16	105	342052	50.048	ug/l	99
74) N-amyl acetate	10.01	43	162629	41.252	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	133405	50.813	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	108485m	47.699	ug/l	
77) Bromobenzene	10.45	156	86059	53.840	ug/l	91
78) n-propylbenzene	10.58	91	416819	49.081	ug/l	98
79) 2-Chlorotoluene	10.66	91	245386	50.162	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	288769	51.043	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	47890m	51.752	ug/l	
82) 4-Chlorotoluene	10.77	91	280252	48.345	ug/l	96
83) tert-Butylbenzene	11.10	119	279697	51.293	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	294200	50.460	ug/l	96
85) sec-Butylbenzene	11.32	105	349550	49.898	ug/l	98
86) p-Isopropyltoluene	11.47	119	297319	49.963	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	156507	51.854	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	158395	50.724	ug/l	99
89) n-Butylbenzene	11.89	91	281388	46.723	ug/l	99
90) Hexachloroethane	12.14	117	46258	51.430	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	156372	51.795	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27396	48.198	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103795	50.031	ug/l	99
94) Hexachlorobutadiene	13.69	225	46721	47.243	ug/l	96
95) Naphthalene	13.74	128	352052	48.595	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	105009	50.855	ug/l	100

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

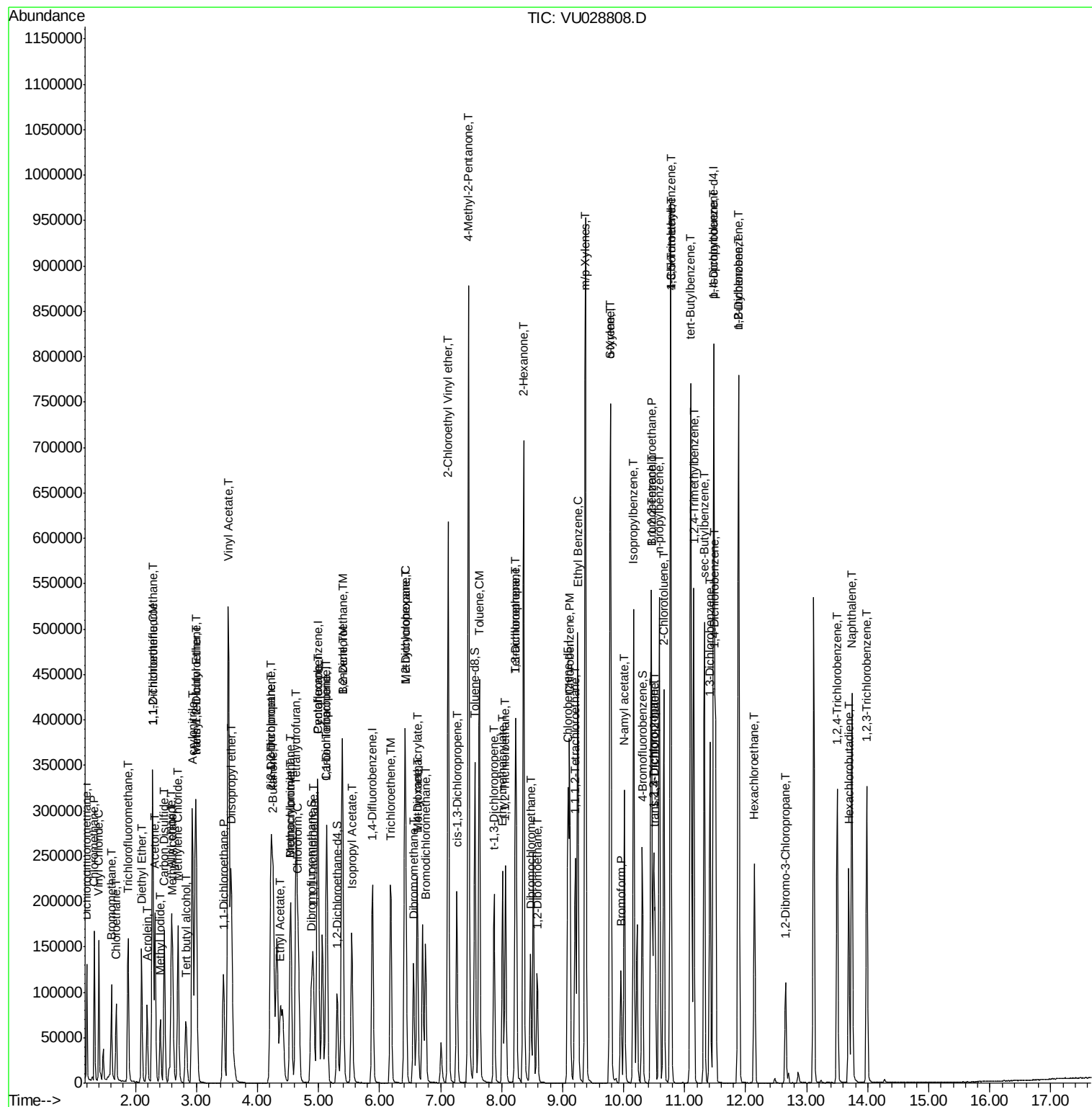
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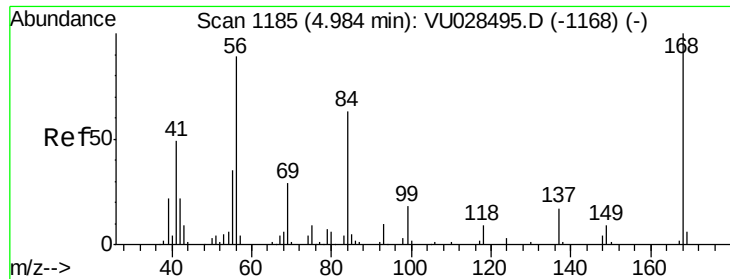
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 112515

Ion Ratio Lower Upper

168 100

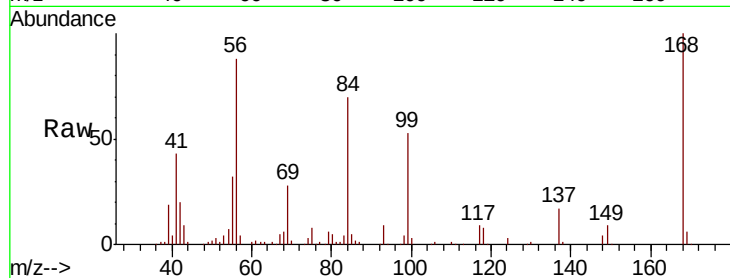
99 52.8 46.6 69.8

Manual Integrations

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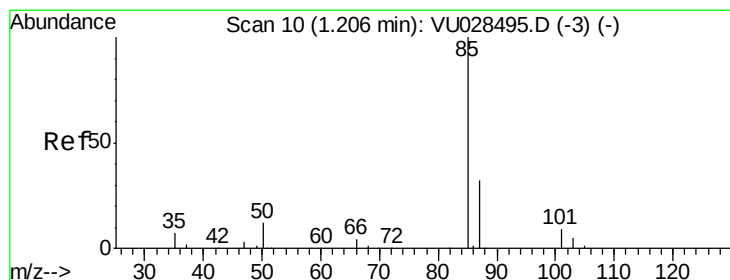
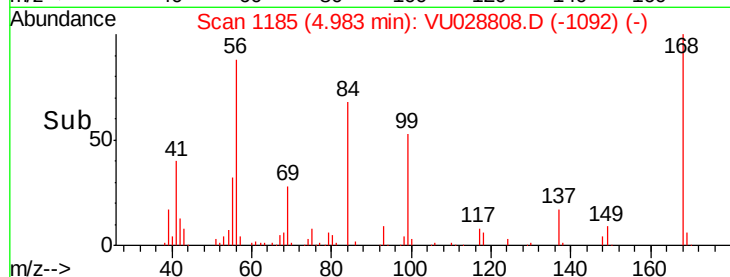


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 45.820 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028808.D

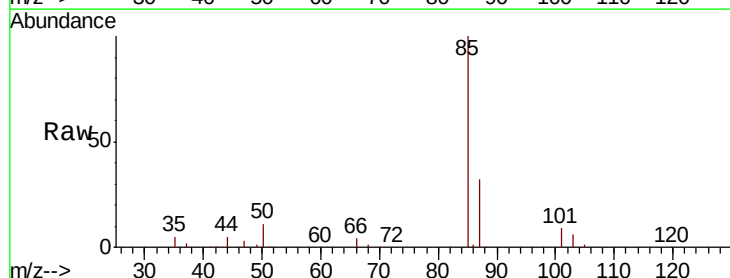
Acq: 19 Dec 2018 20:58

Tgt Ion: 85 Resp: 69101

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6

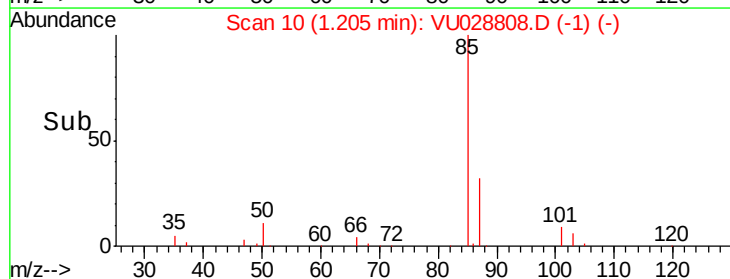


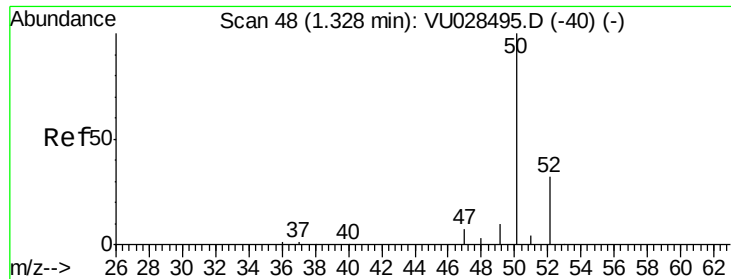
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 39.664 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 109975

Ion Ratio Lower Upper

50 100

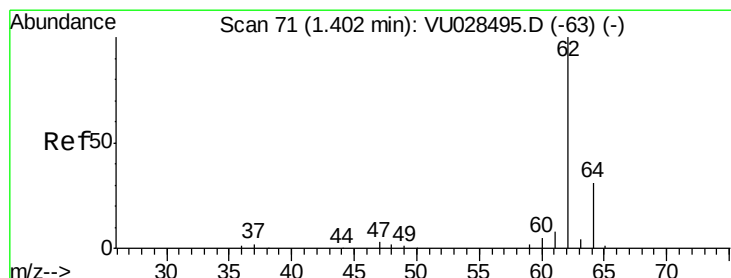
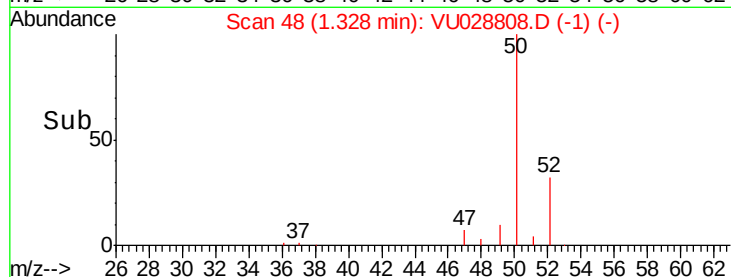
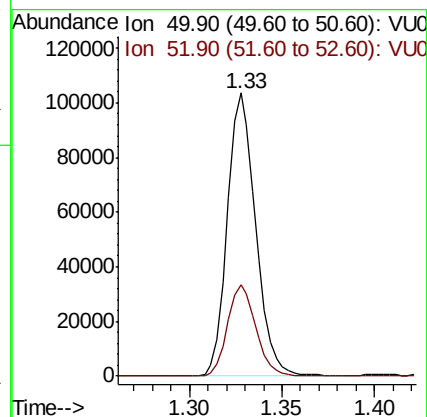
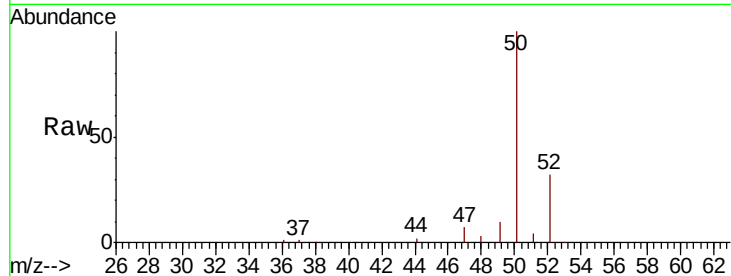
52 32.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.857 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028808.D

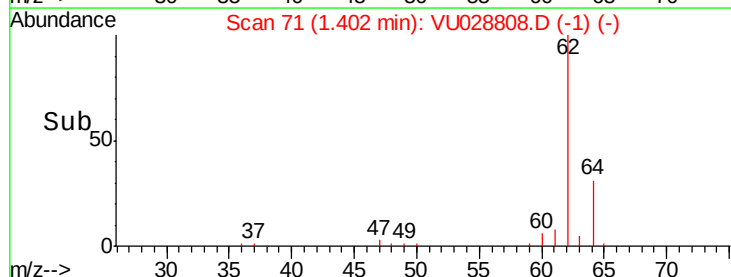
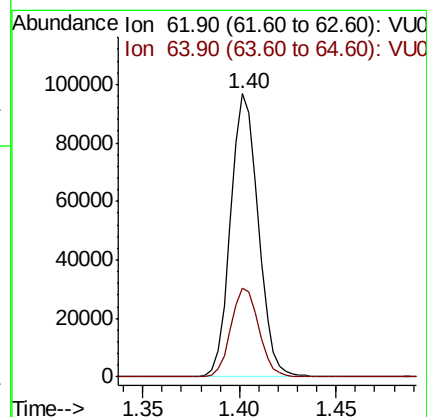
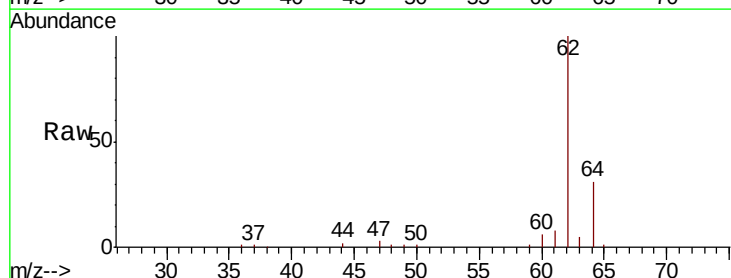
Acq: 19 Dec 2018 20:58

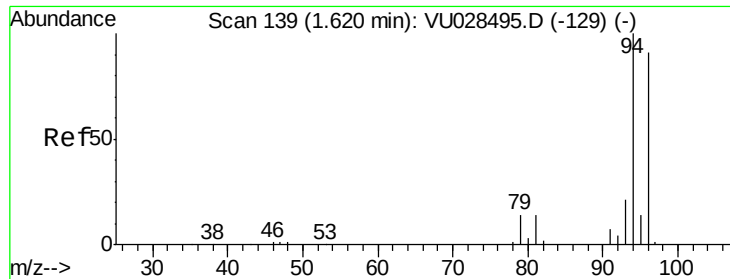
Tgt Ion: 62 Resp: 95757

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 55.966 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

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Tot Ion: 94 Resp: 45109

Ion Ratio Lower Upper

94 100

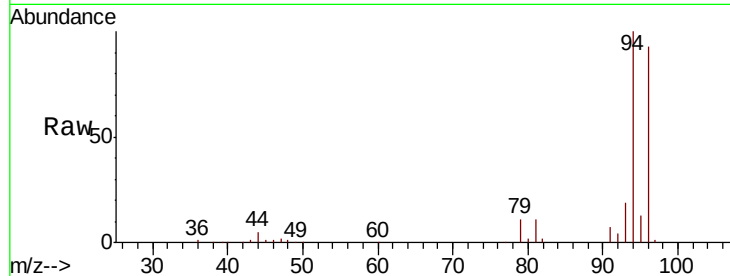
96 92.8 73.2 109.8

Manual Integrations

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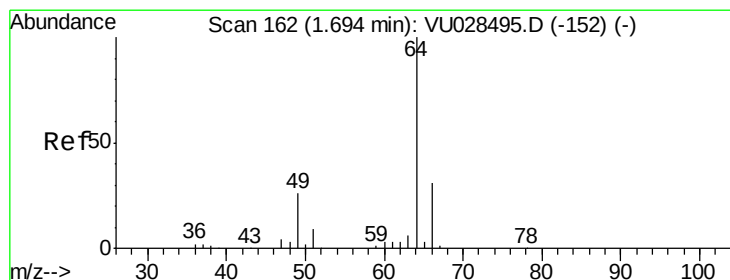
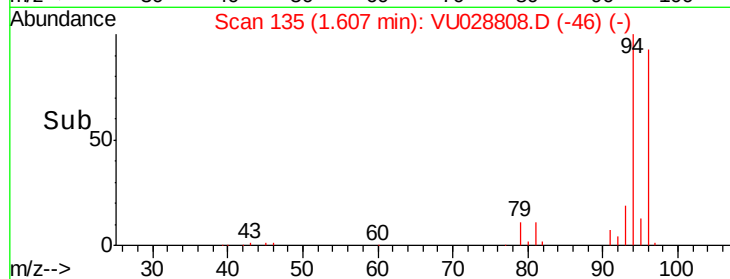
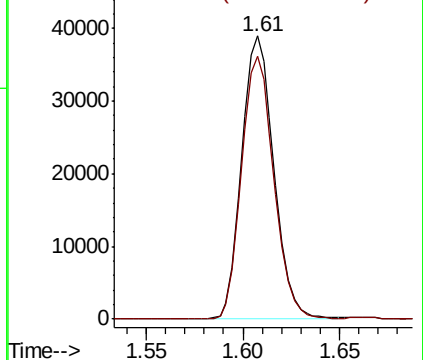
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.275 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028808.D

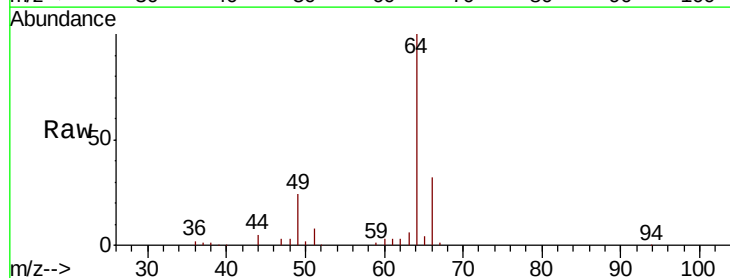
Acq: 19 Dec 2018 20:58

Tgt Ion: 64 Resp: 54684

Ion Ratio Lower Upper

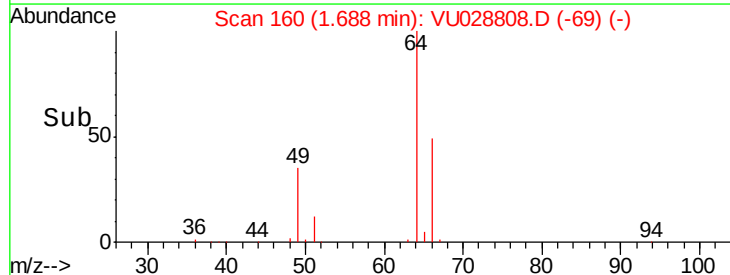
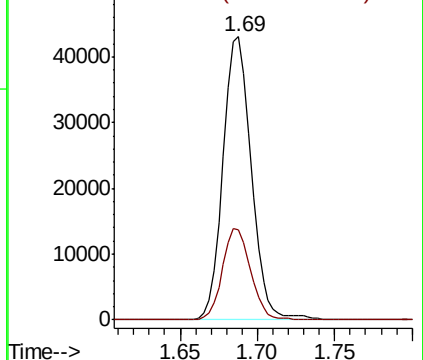
64 100

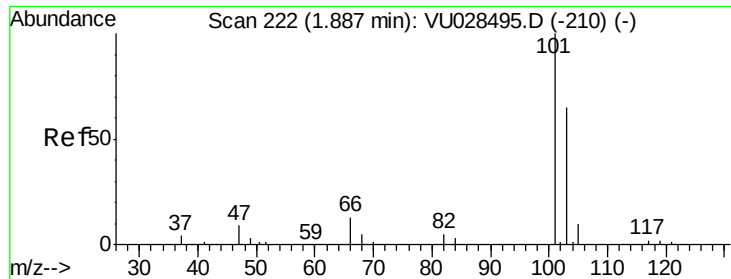
66 31.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

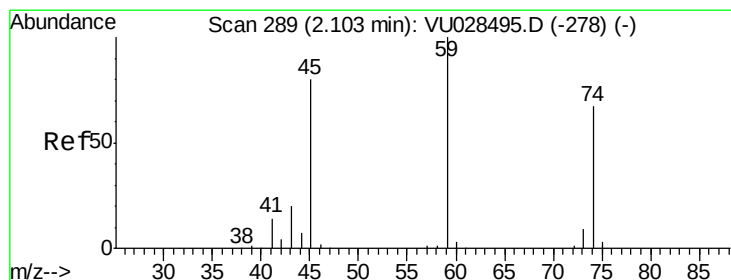
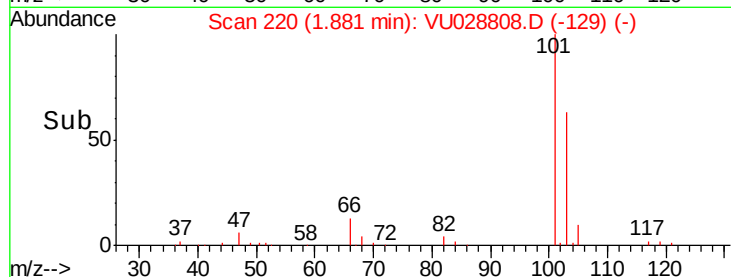
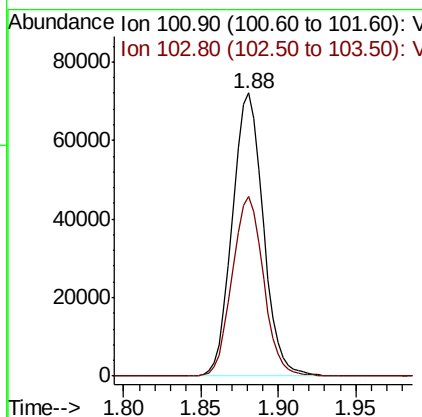
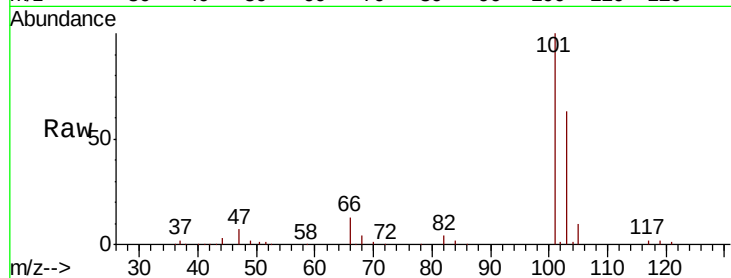
Trichlorofluoromethane
 Concen: 47.334 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.3	78.5

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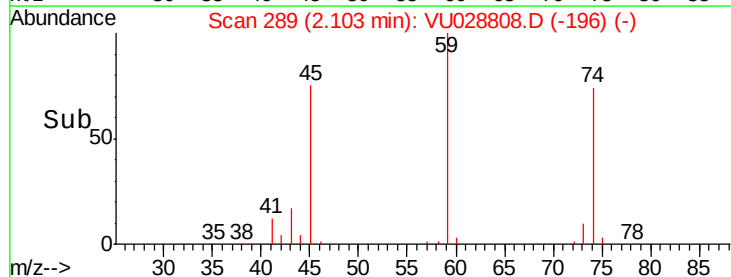
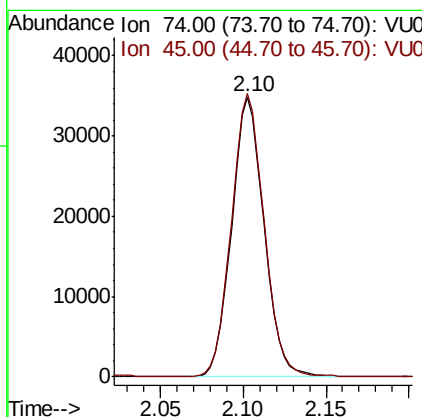
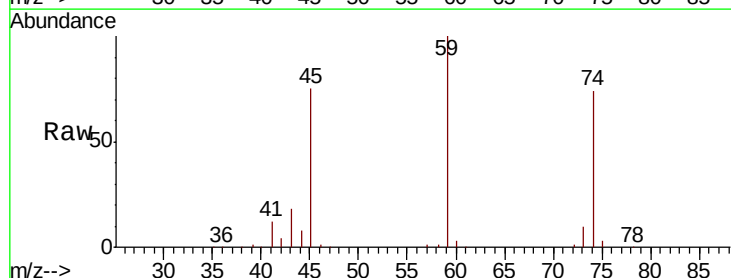
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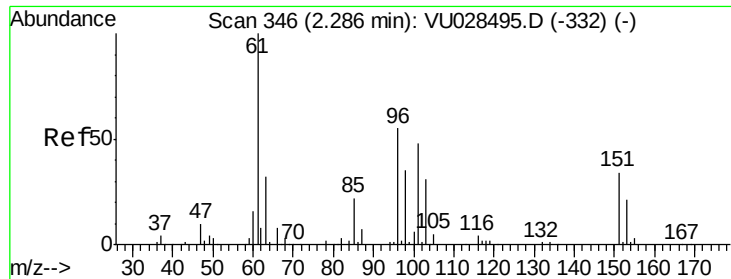


#8

Diethyl Ether
 Concen: 47.934 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028808.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	59.7	179.0





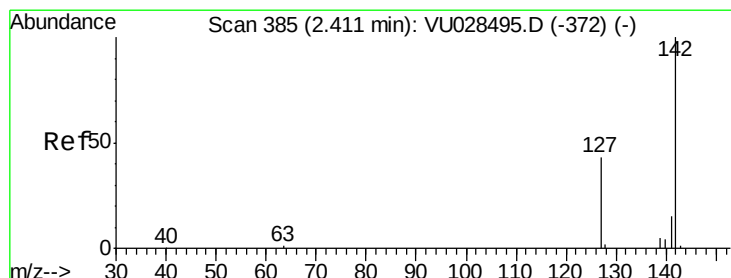
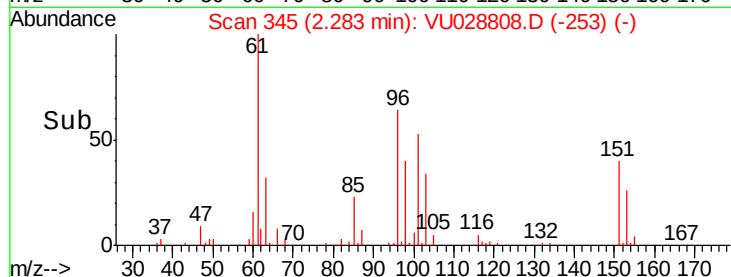
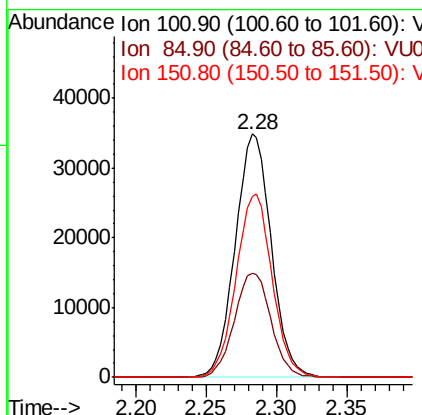
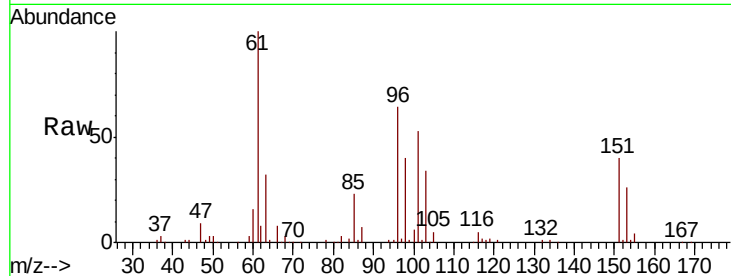
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.676 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	36.4	54.6
151	75.3	58.2	87.2

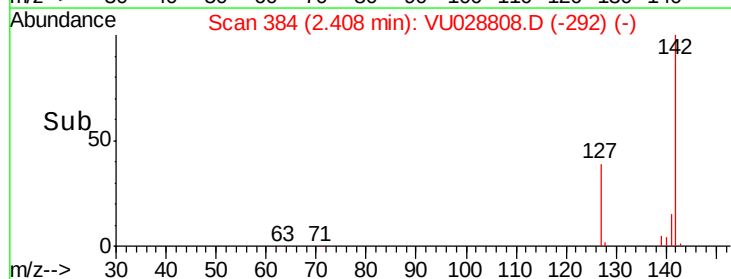
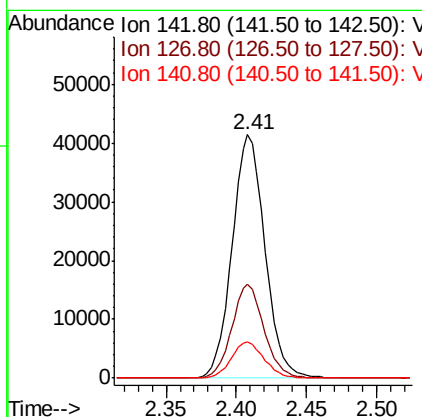
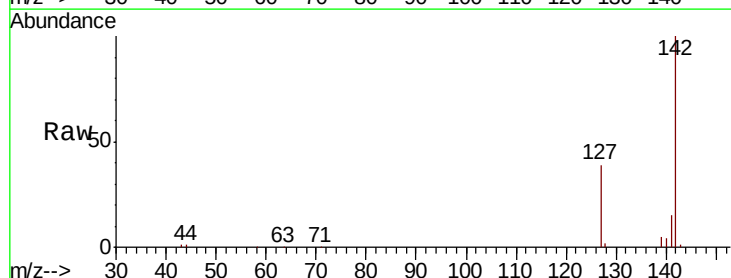
Manual Integrations
 APPROVED

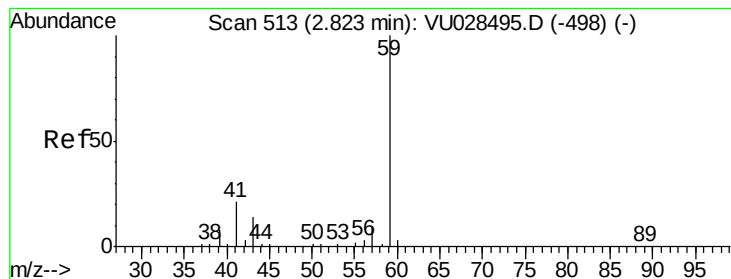
MMDadoda
 12/20/2018 8:58:51 AM



#10
 Methyl Iodide
 Concen: 68.275 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.6	33.5	50.3
141	14.6	11.2	16.8





#11

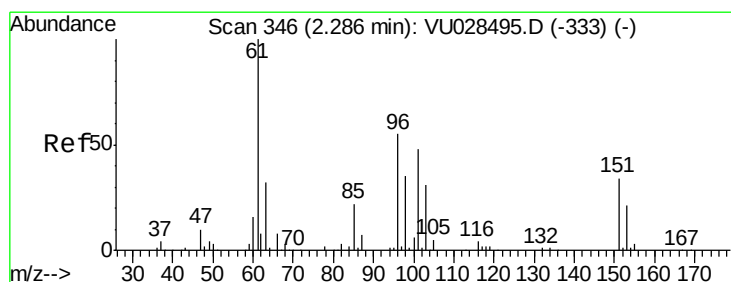
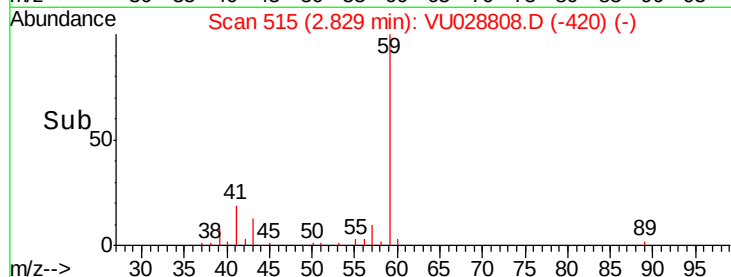
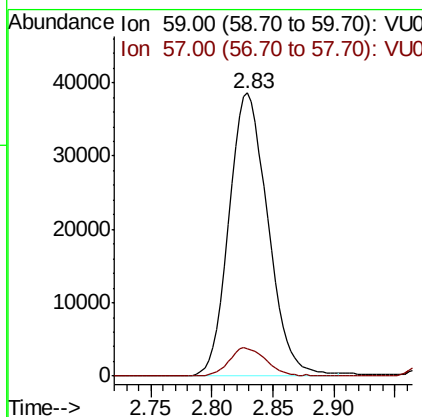
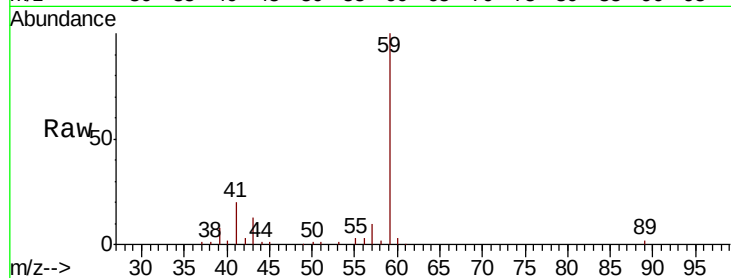
Tert butyl alcohol
 Concen: 224.513 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.0	12.0

Manual Integrations
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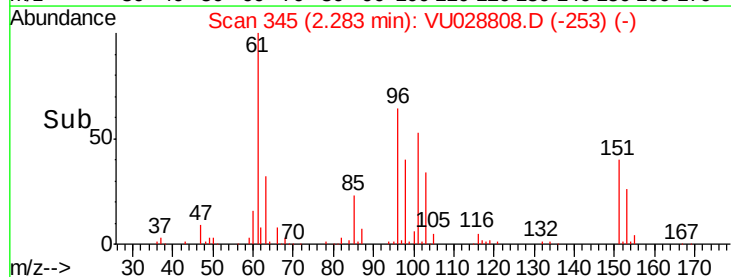
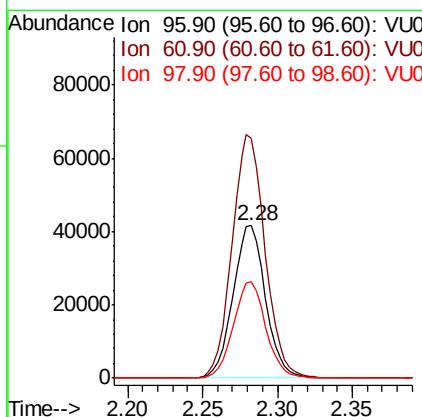
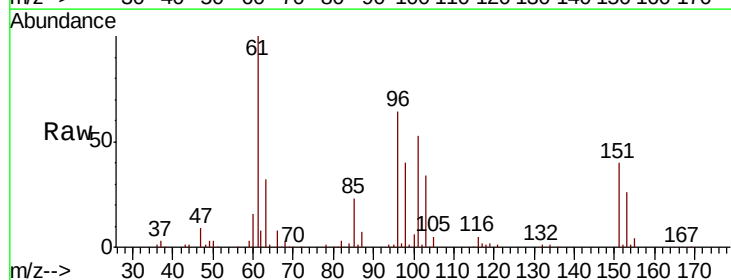
MMDadoda
 12/20/2018 8:58:51 AM

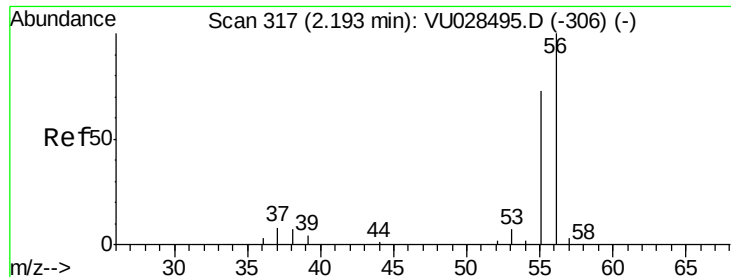


#12

1,1-Dichloroethene
 Concen: 50.223 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	146.4	219.6
98	63.0	51.8	77.8





#13

Acrolein

Concen: 197.556 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 60248

Ion Ratio Lower Upper

56 100

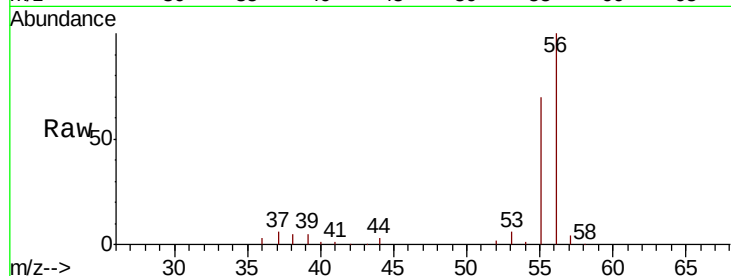
55 71.7 57.5 86.3

Manual Integrations

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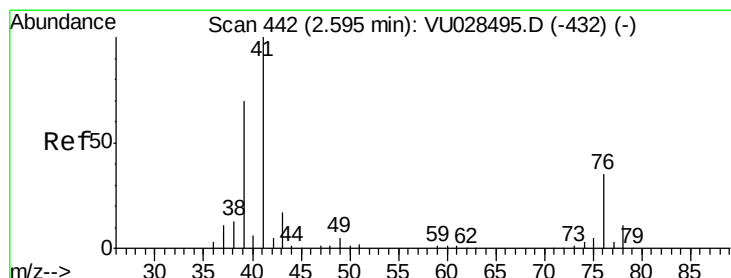
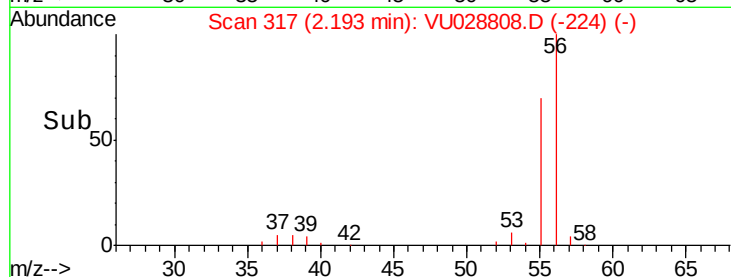
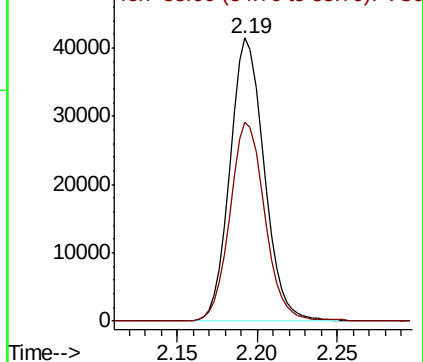
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 38.339 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

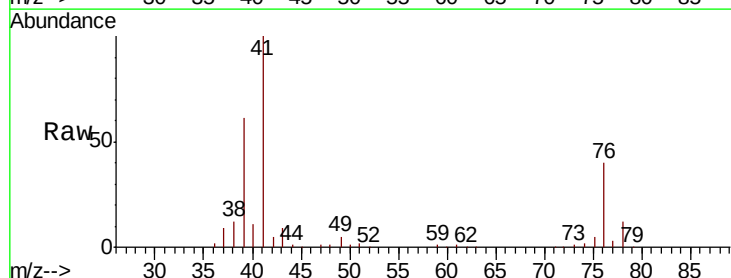
Tgt Ion: 41 Resp: 113619

Ion Ratio Lower Upper

41 100

39 62.1 50.8 76.2

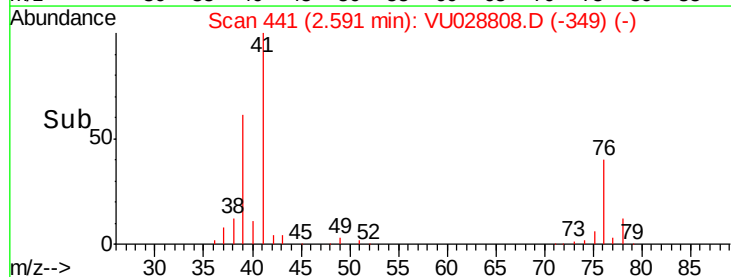
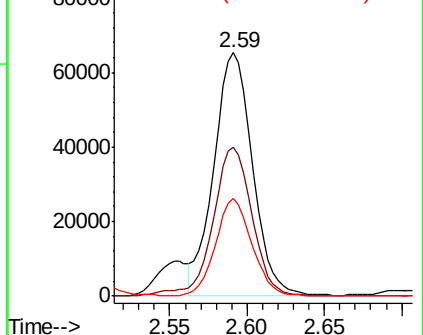
76 37.8 24.8 37.2#

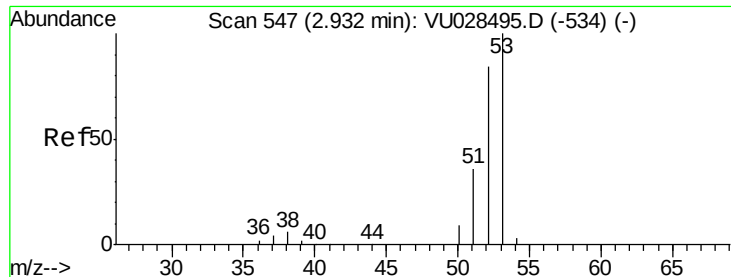


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 231.671 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

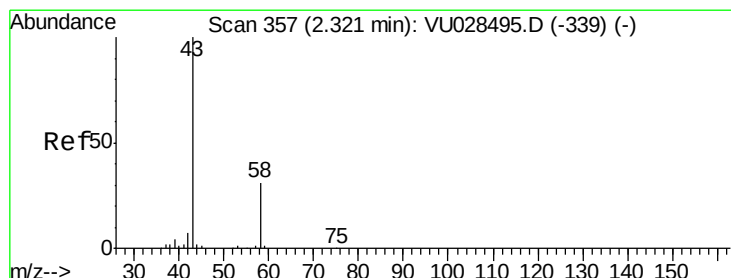
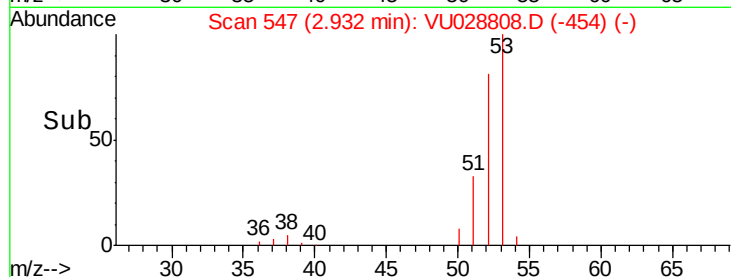
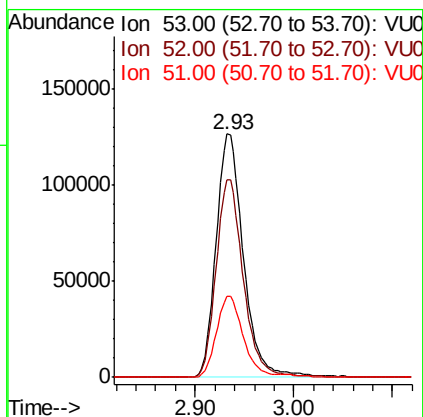
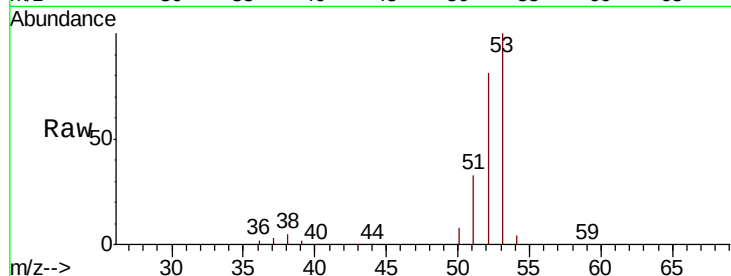
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	246055
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	33.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 164.364 ug/l

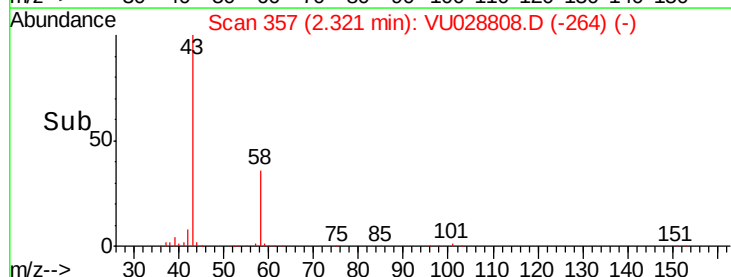
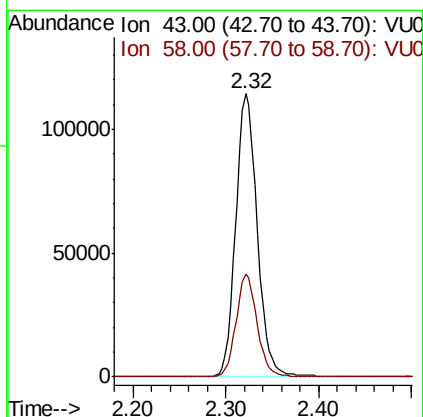
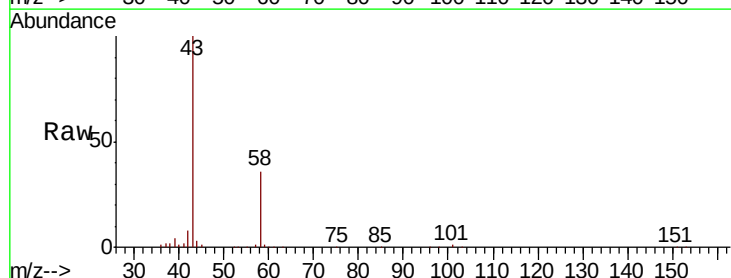
RT: 2.32 min Scan# 357

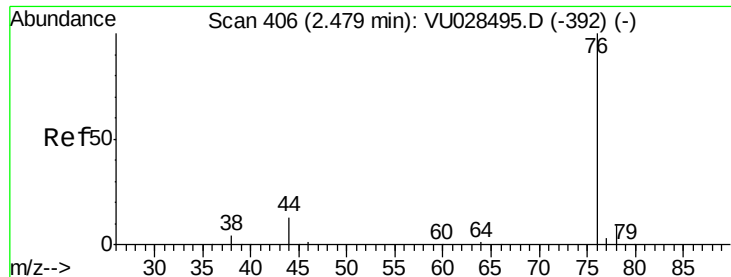
Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Tgt Ion:	43	Resp:	184163
Ion	Ratio	Lower	Upper
43	100		
58	36.2	24.6	37.0





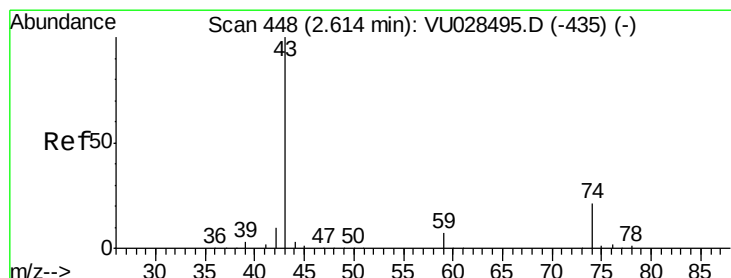
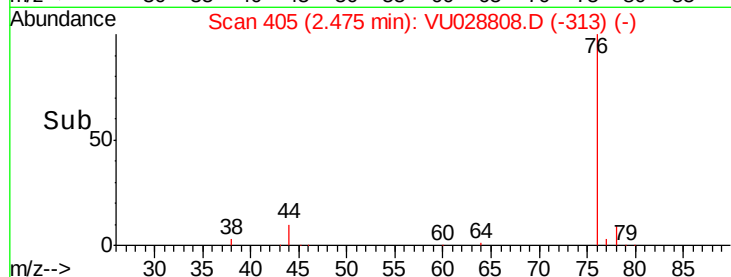
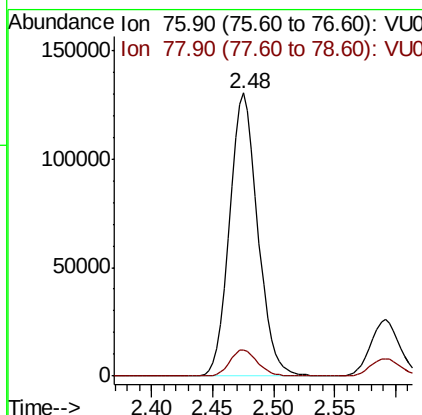
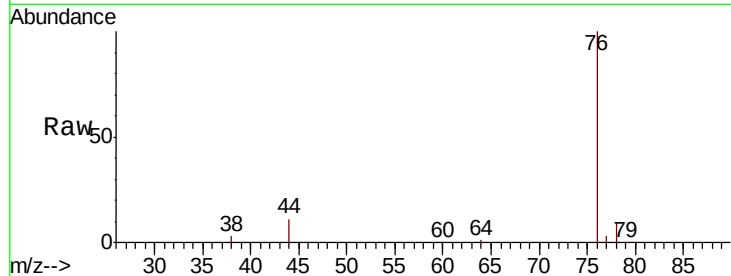
#17
Carbon Disulfide
Concen: 46.650 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

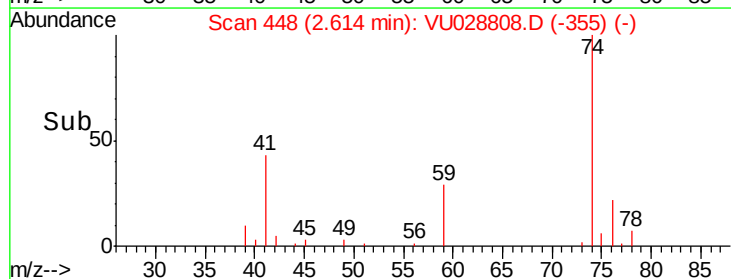
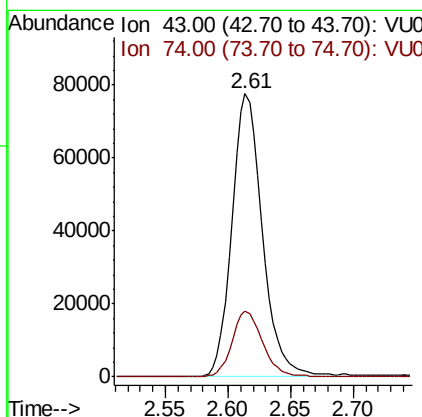
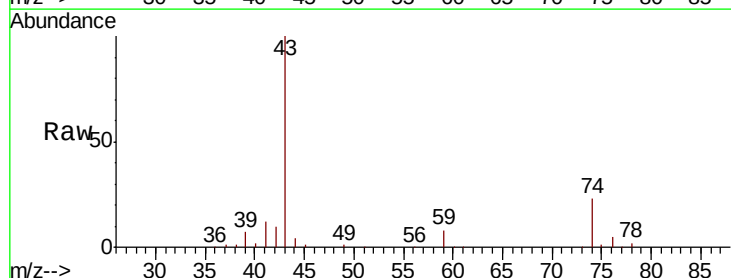
Manual Integrations
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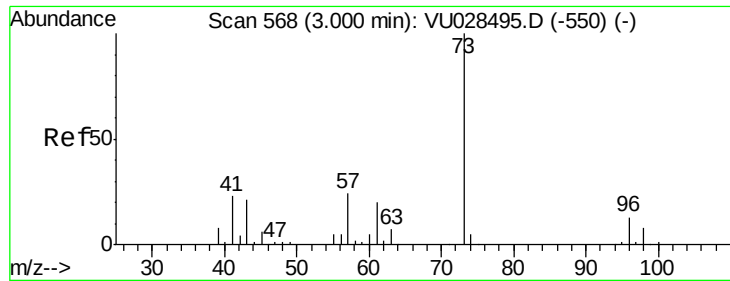
MMDadoda
12/20/2018 8:58:51 AM



#18
Methyl Acetate
Concen: 45.250 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	16.4	24.6





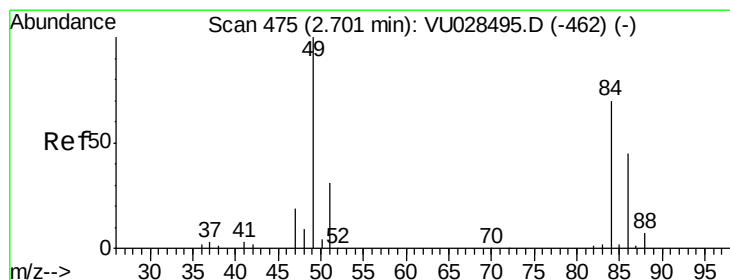
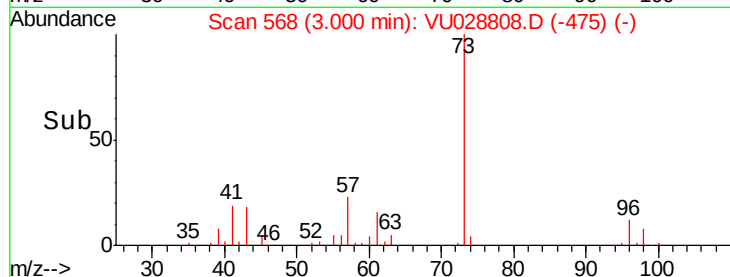
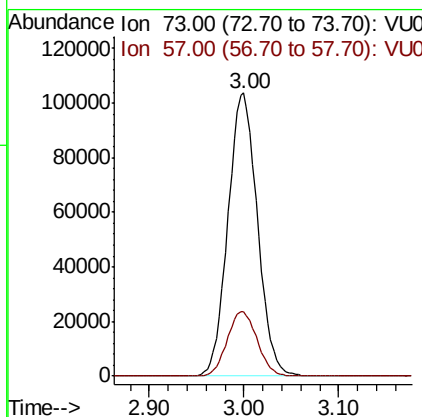
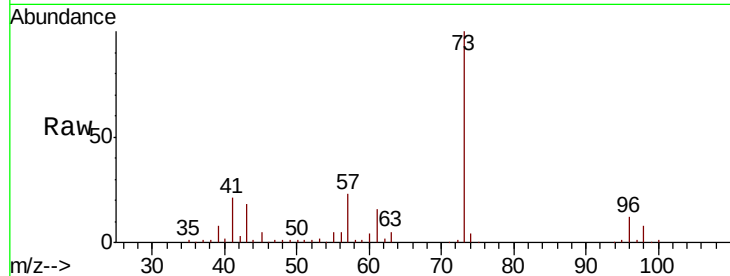
#19
Methyl tert-butyl Ether
Concen: 47.258 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.4	29.2

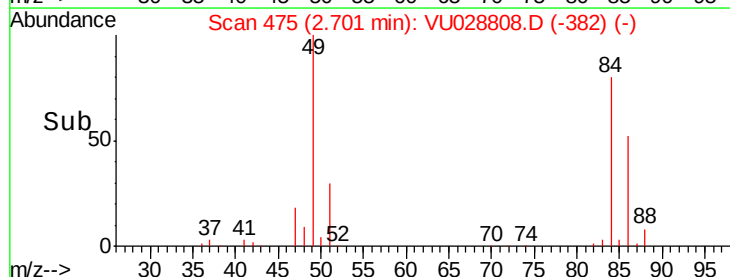
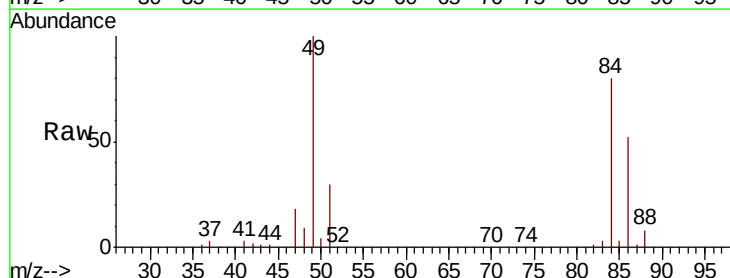
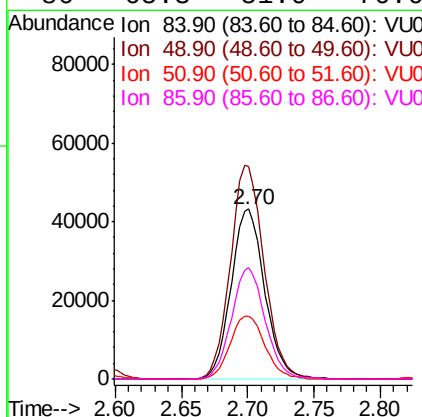
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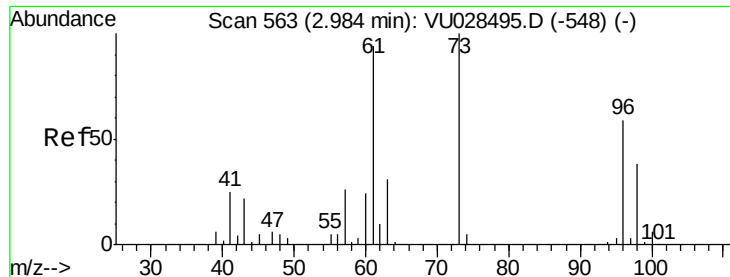
MMDadoda
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#20
Methylene Chloride
Concen: 46.053 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	114.0	171.0
51	37.2	35.1	52.7
86	65.3	51.0	76.6





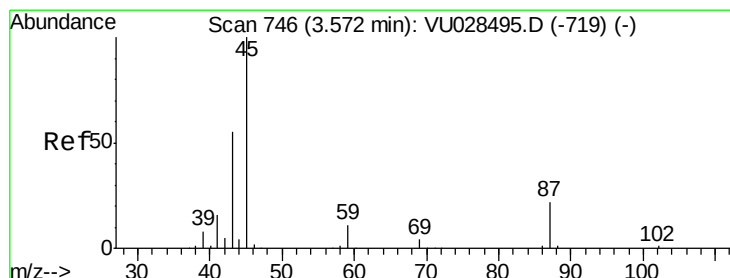
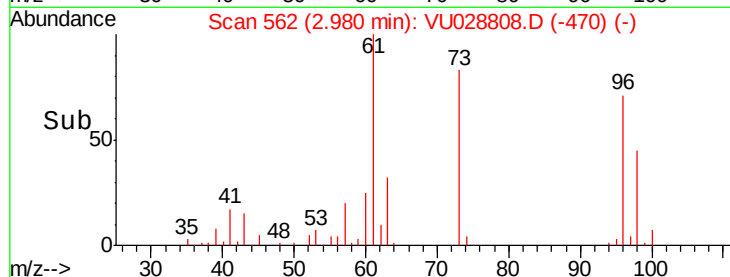
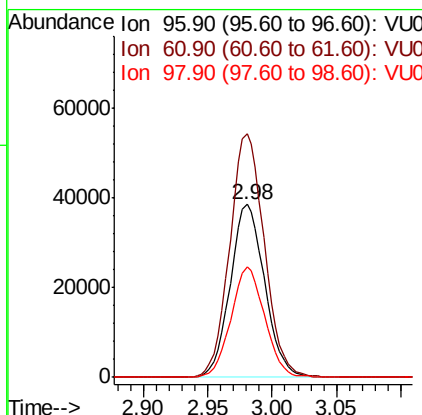
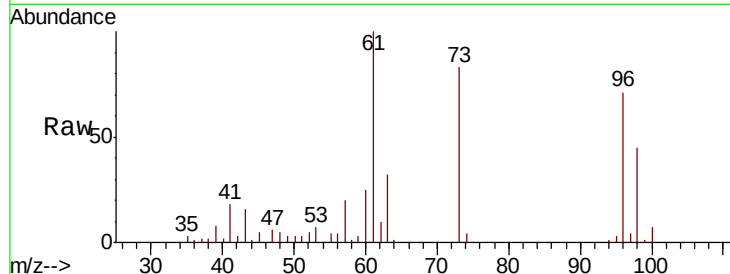
#21
trans-1,2-Dichloroethene
Concen: 50.815 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	127.0	190.4
98	63.7	51.9	77.9

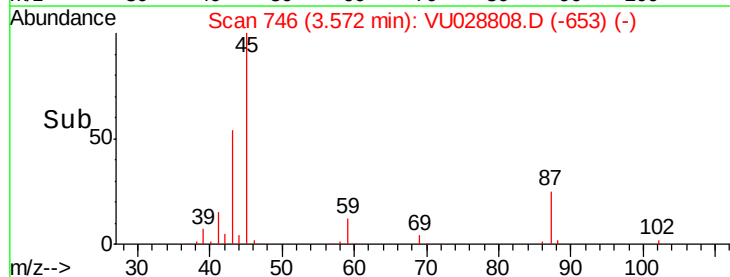
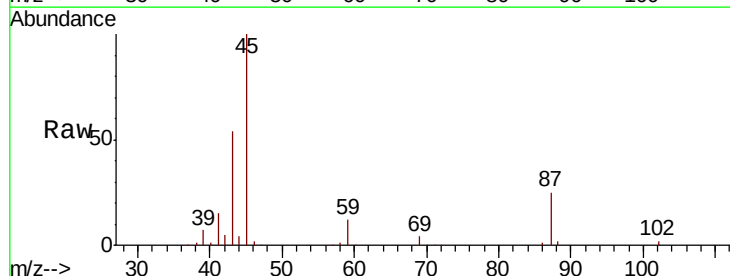
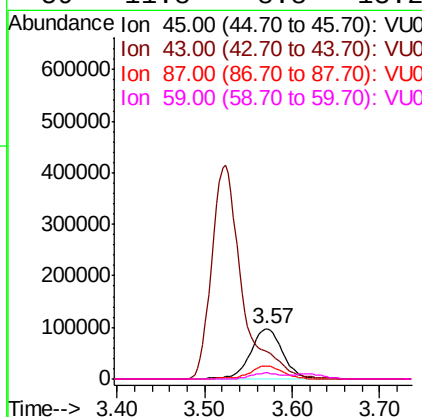
Manual Integrations
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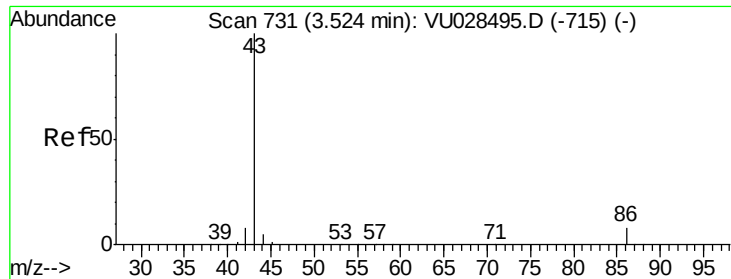
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#22
Diisopropyl ether
Concen: 42.991 ug/l
RT: 3.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.1	45.3	67.9
87	25.4	17.6	26.4
59	11.8	8.8	13.2





#23

Vinyl Acetate

Concen: 210.917 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1002617

Ion Ratio Lower Upper

43 100

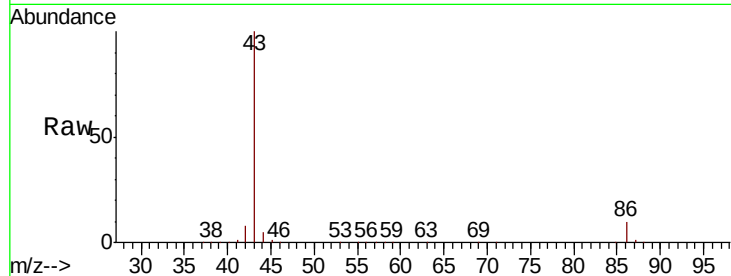
86 10.3 6.8 10.2#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

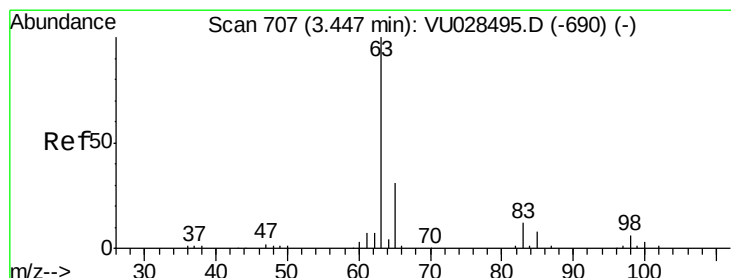
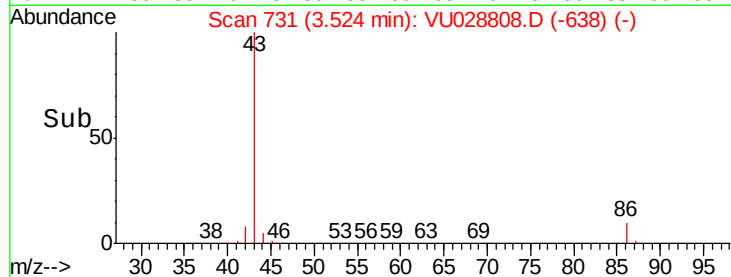
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.698 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

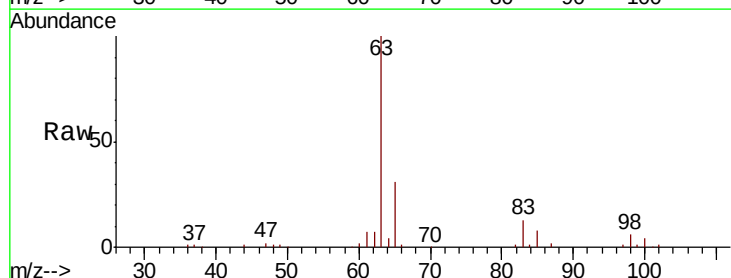
Tgt Ion: 63 Resp: 137857

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.0 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

80000

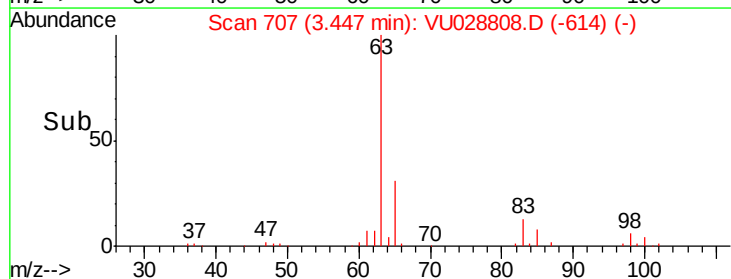
60000

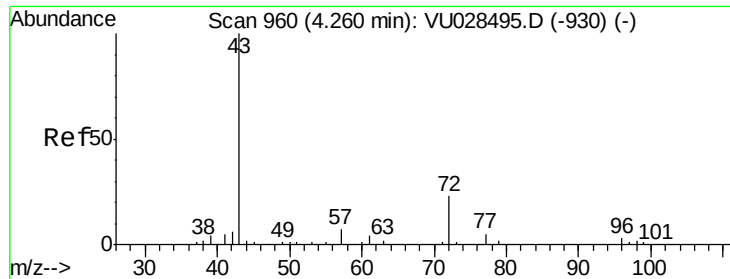
40000

20000

0

Time-->





#25

2-Butanone

Concen: 200.371 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 306811

Ion Ratio Lower Upper

43 100

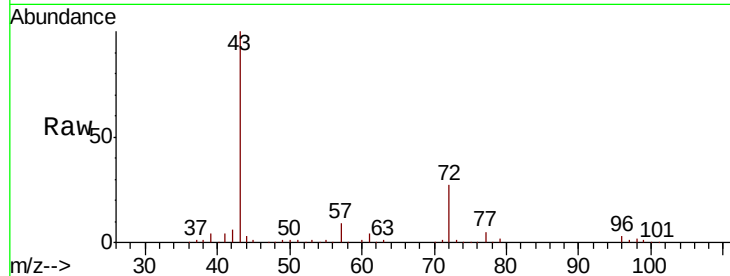
72 26.9 18.6 28.0

Manual Integrations

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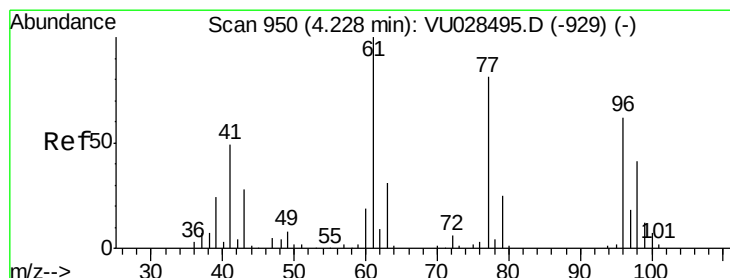
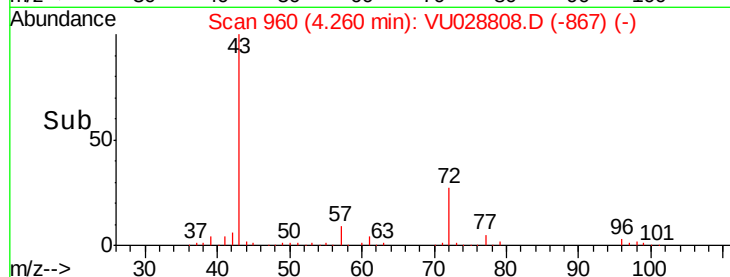
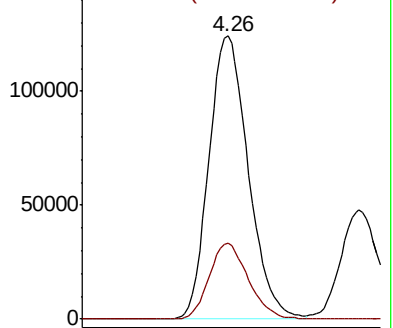
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 42.995 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028808.D

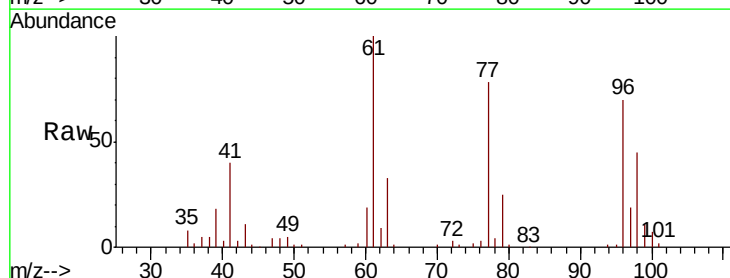
Acq: 19 Dec 2018 20:58

Tgt Ion: 77 Resp: 102773

Ion Ratio Lower Upper

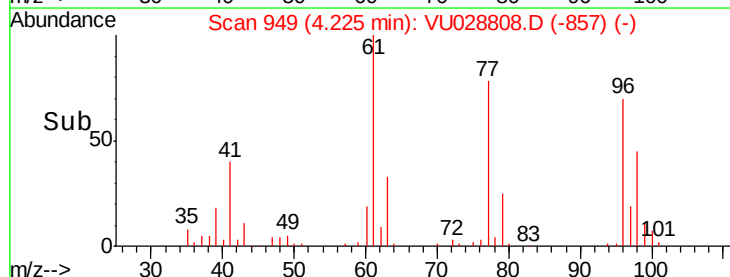
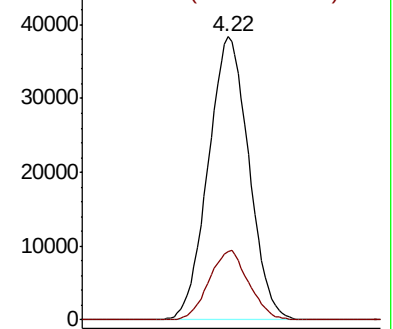
77 100

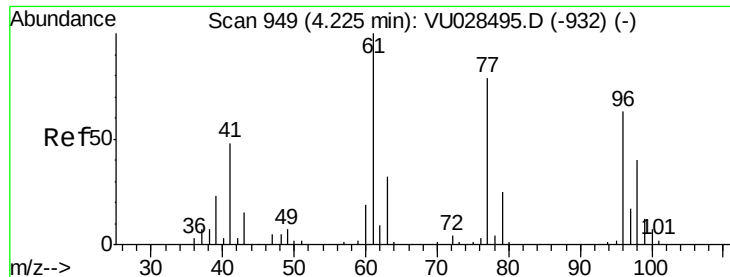
97 24.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

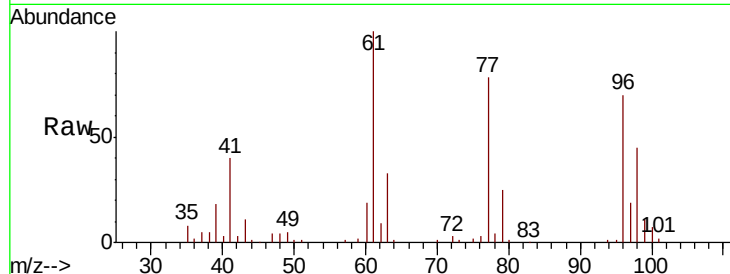
cis-1,2-Dichloroethene
Concen: 51.821 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	332.4
98	63.8	0.0	129.0

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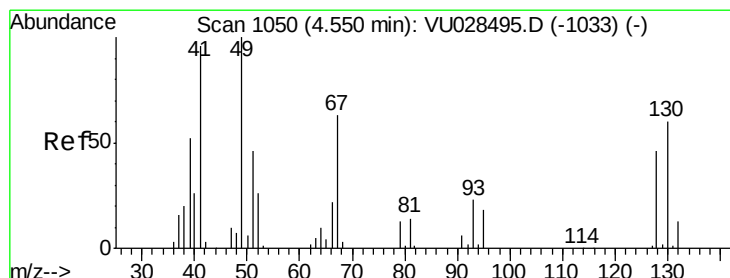
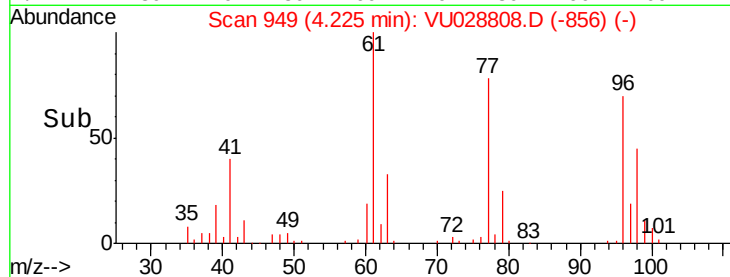
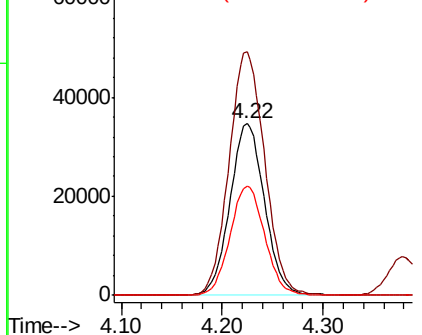


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

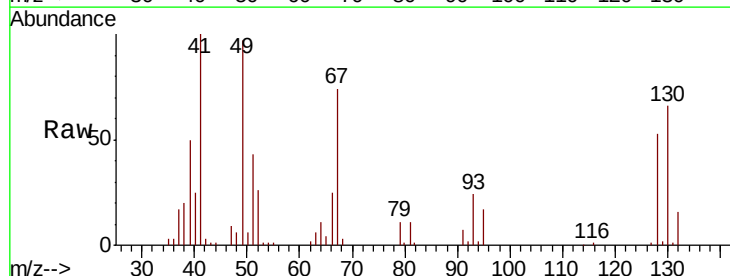
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 41.799 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.0
130	71.7	47.8	71.8

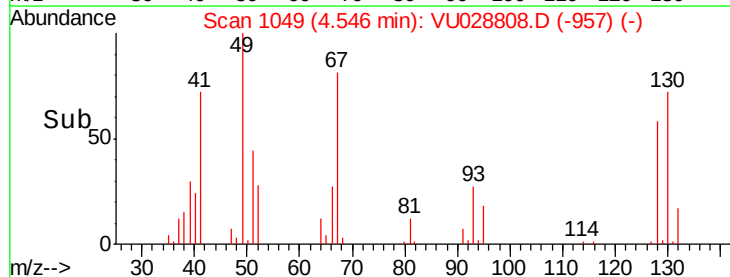
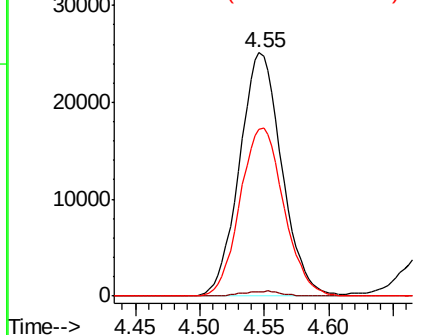


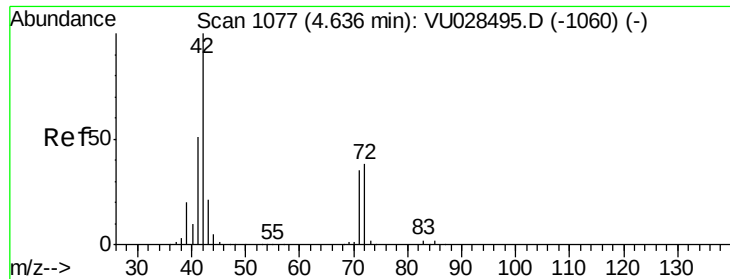
Abundance

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





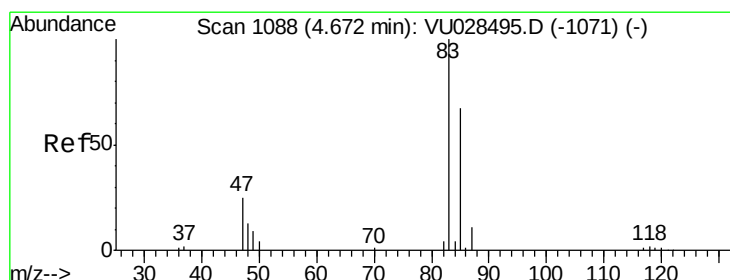
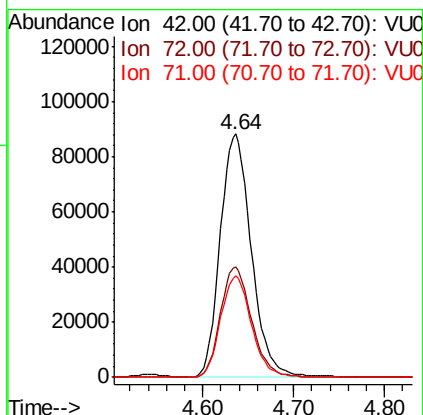
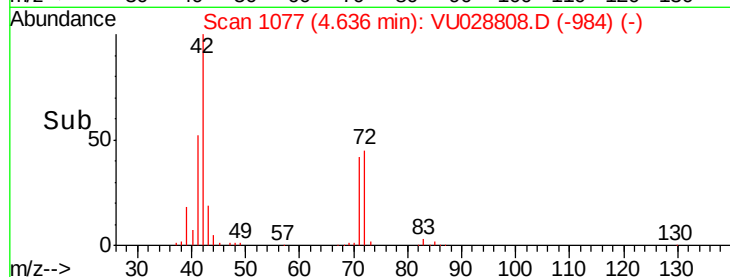
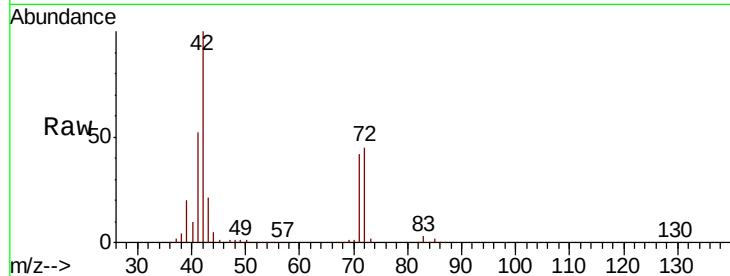
#29
Tetrahydrofuran
Concen: 211.684 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	31.4	47.0
71	41.6	28.6	43.0

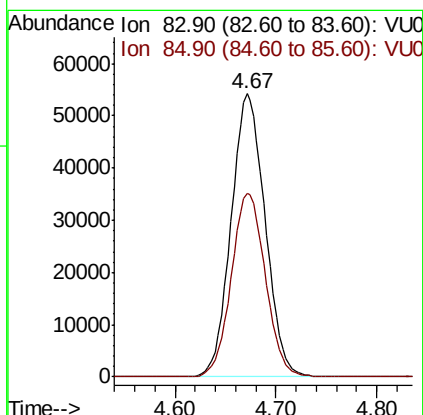
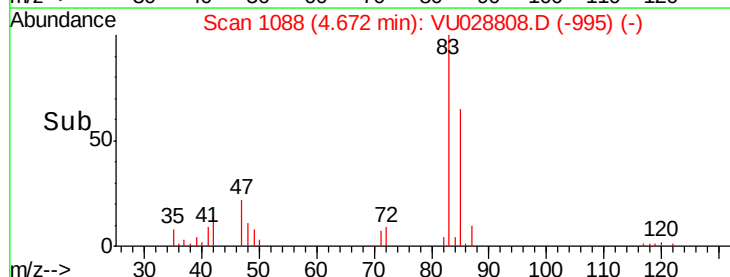
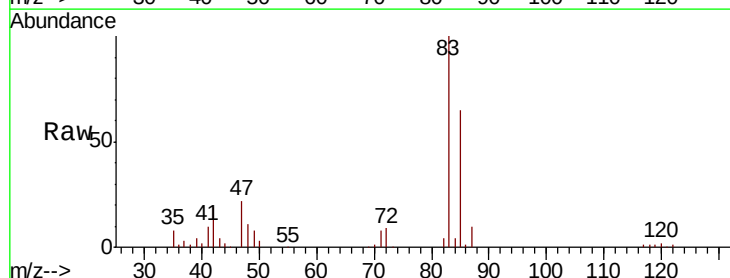
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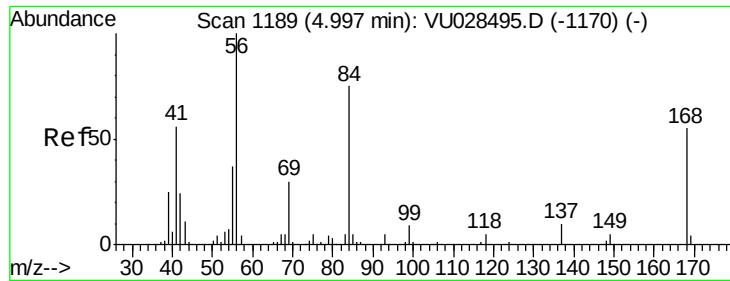
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#30
Chloroform
Concen: 48.192 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.6	80.4





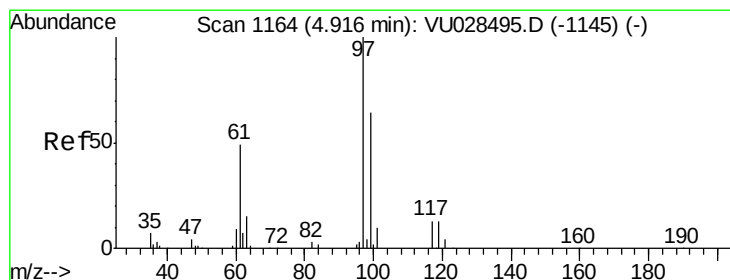
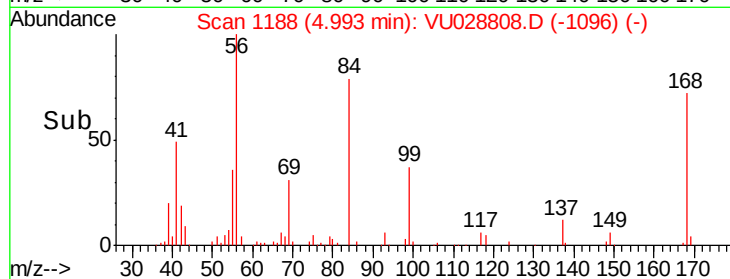
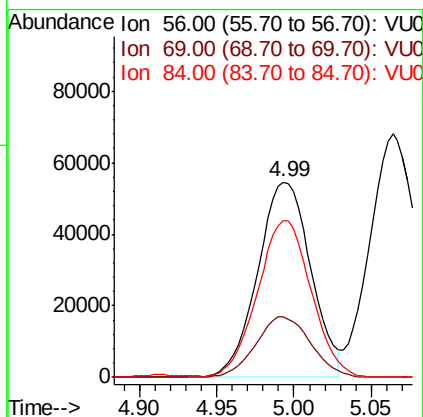
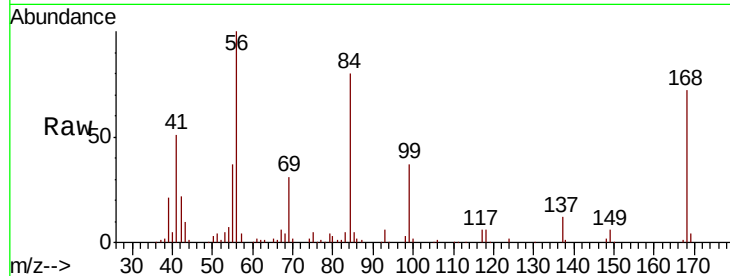
#31
Cyclohexane
Concen: 44.118 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.0	36.0
84	79.3	59.7	89.5

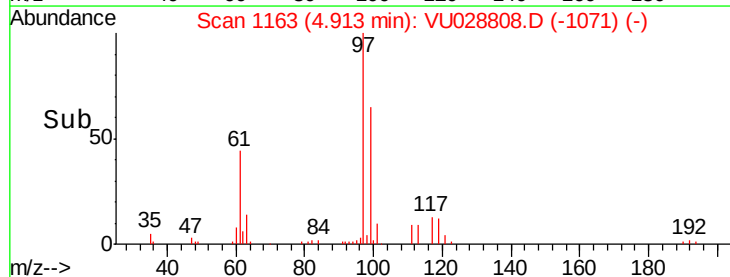
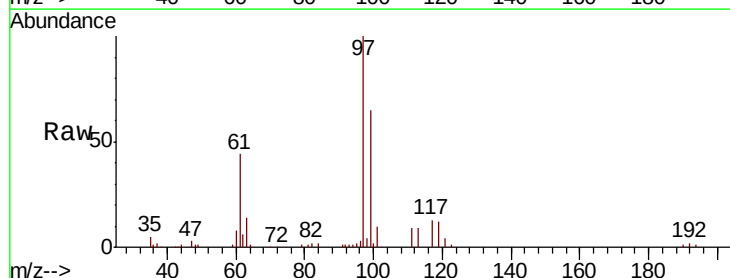
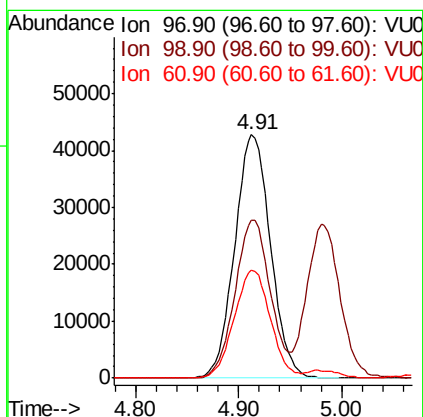
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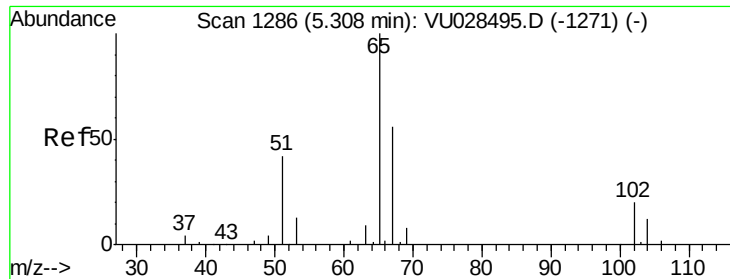
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#32
1,1,1-Trichloroethane
Concen: 47.282 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	44.9	39.0	58.6





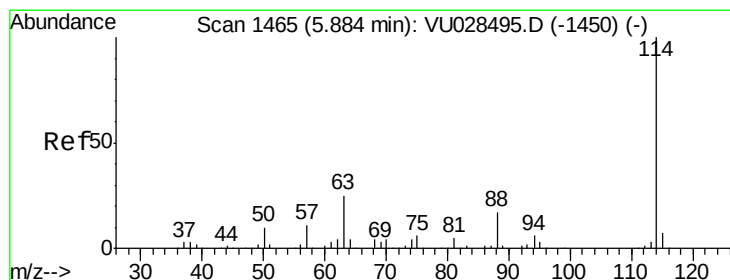
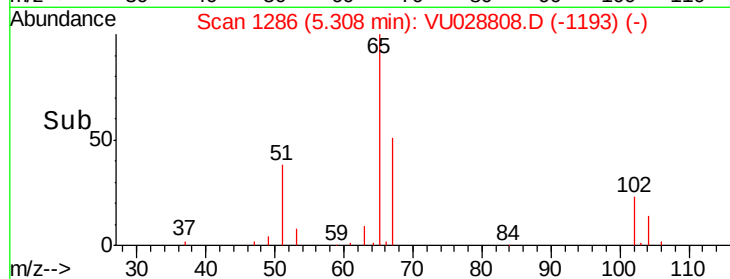
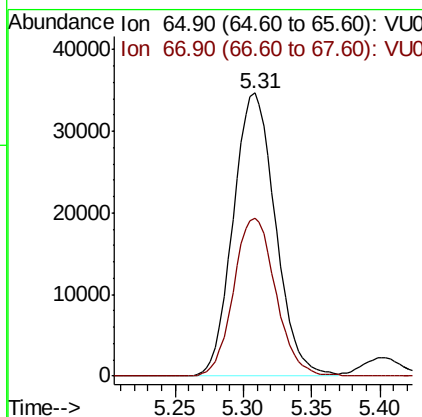
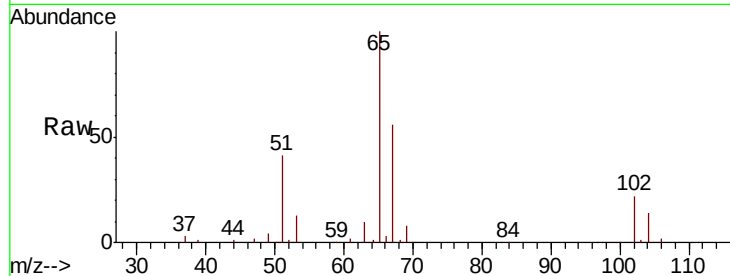
#33
 1,2-Dichloroethane-d4
 Concen: 43.477 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	110.6

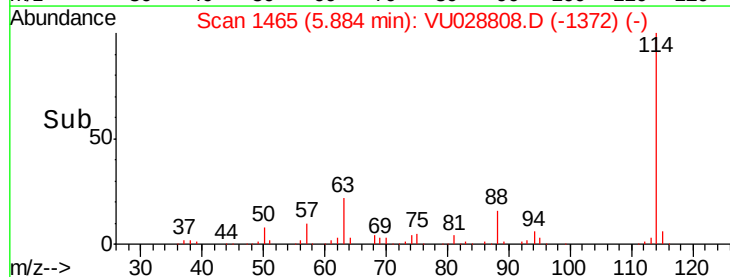
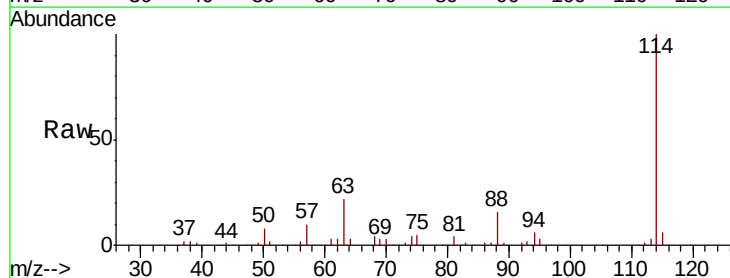
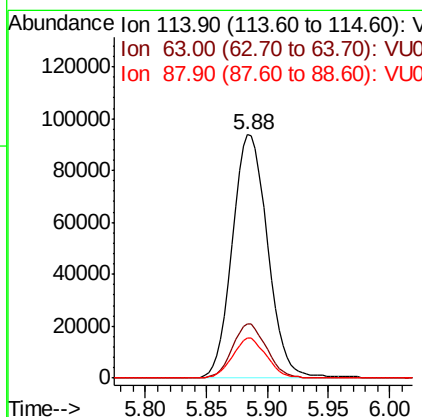
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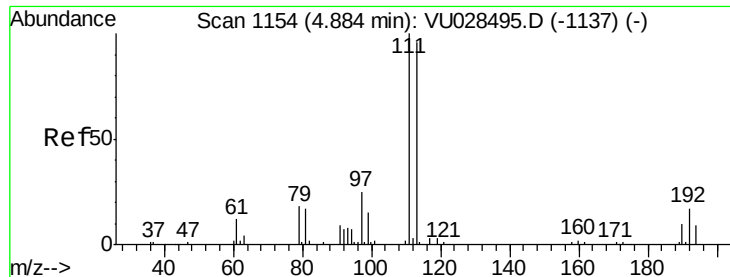
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	49.2
88	16.5	0.0	33.4





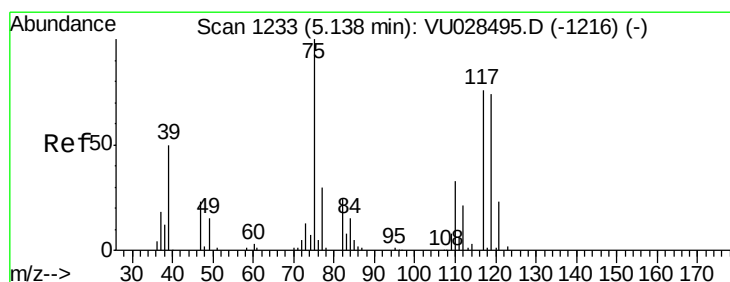
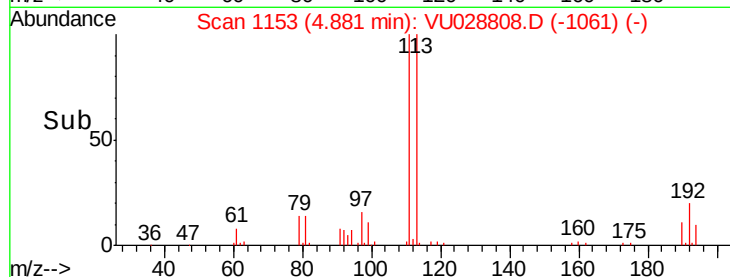
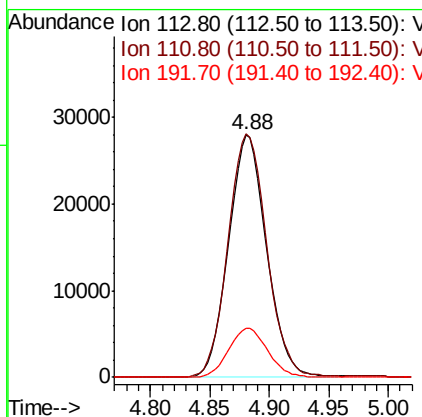
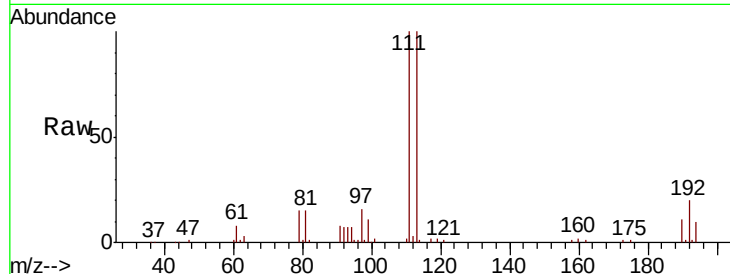
#35
 Dibromofluoromethane
 Concen: 52.307 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.0
192	20.7	14.8	22.2

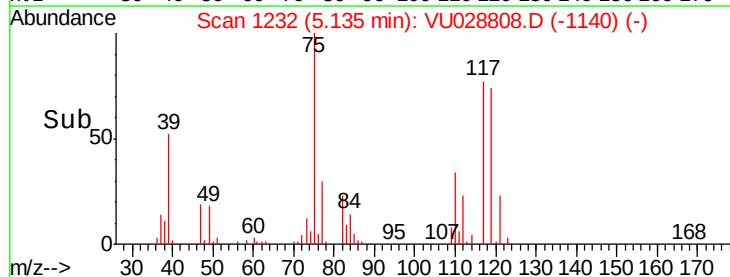
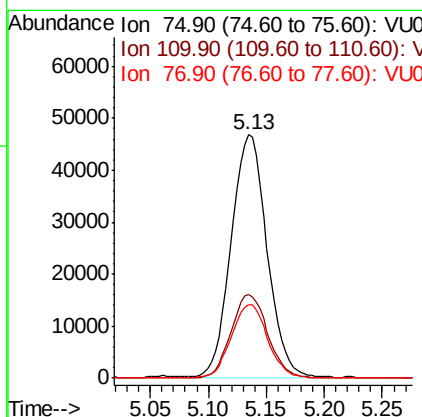
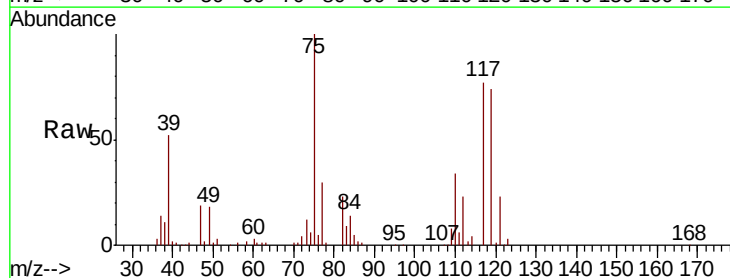
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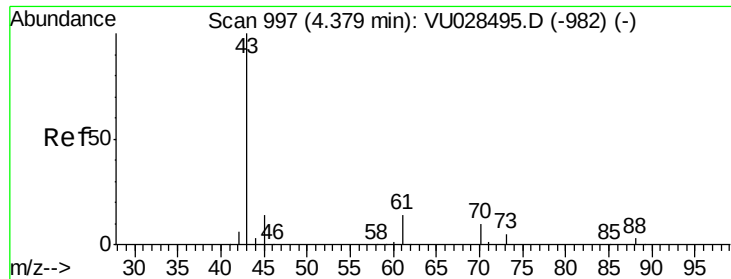
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#36
 1,1-Dichloropropene
 Concen: 48.470 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	16.1	48.2
77	31.0	24.5	36.7





#37

Ethyl Acetate

Concen: 44.037 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

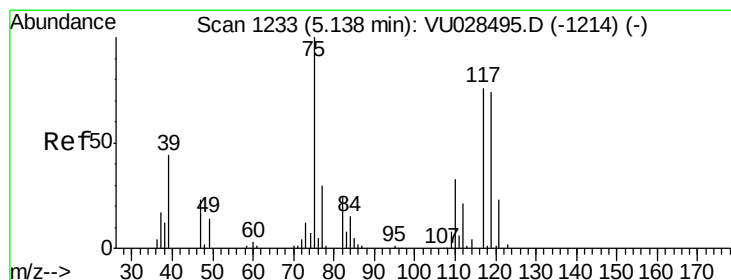
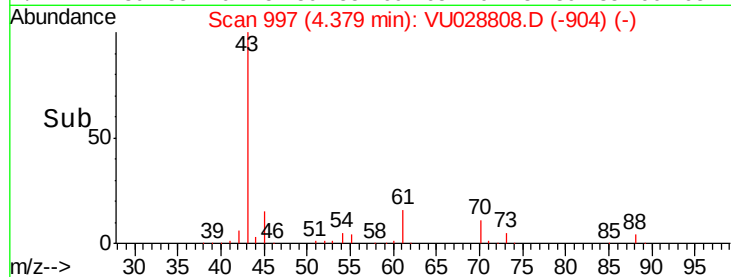
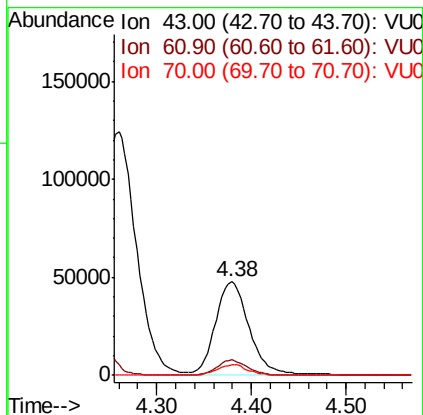
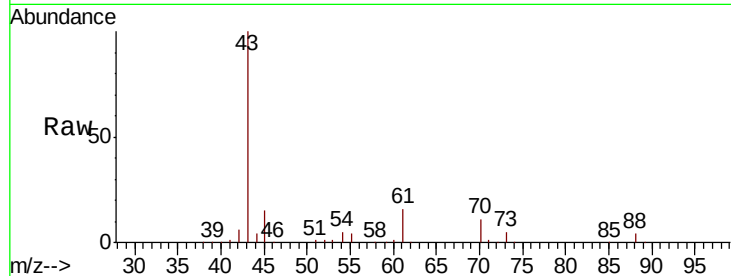
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	117148
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.0	16.4
70	10.7	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 50.167 ug/l

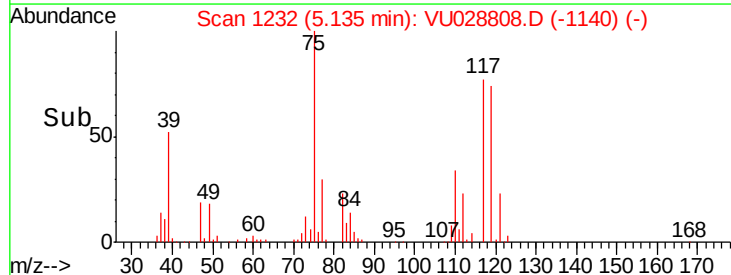
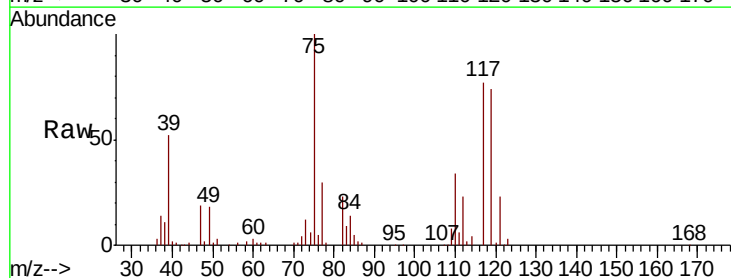
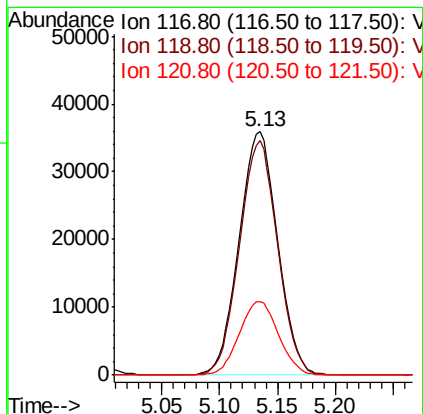
RT: 5.13 min Scan# 1232

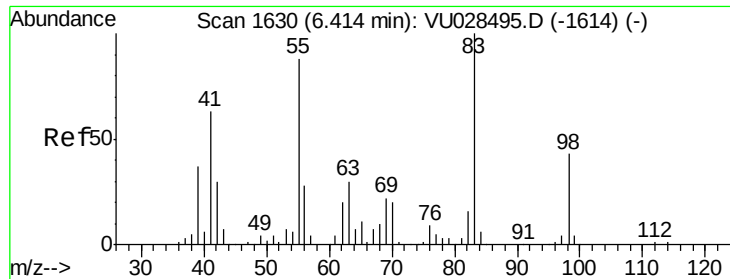
Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Tgt Ion:	117	Resp:	83210
Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.6	116.4
121	30.4	24.6	36.8





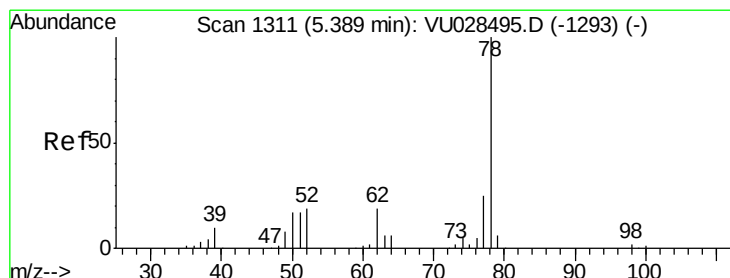
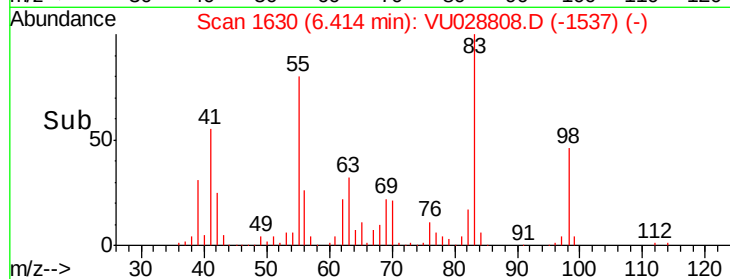
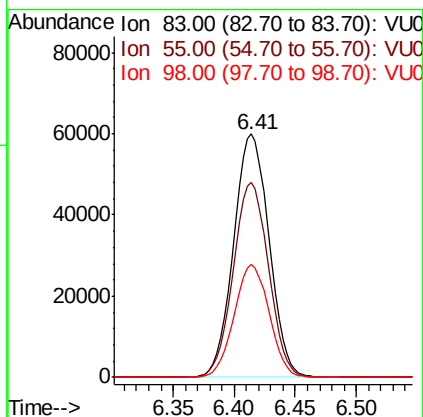
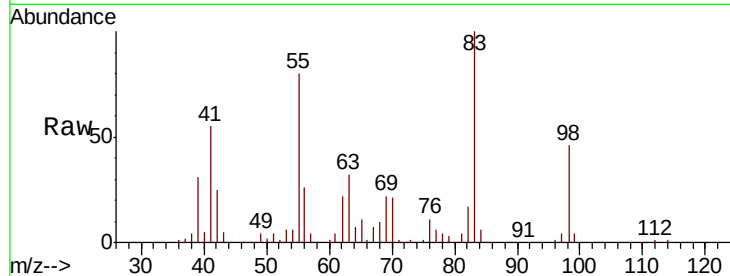
#39
Methylvlcyclohexane
Concen: 48.144 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	70.2	105.2
98	46.3	34.2	51.4

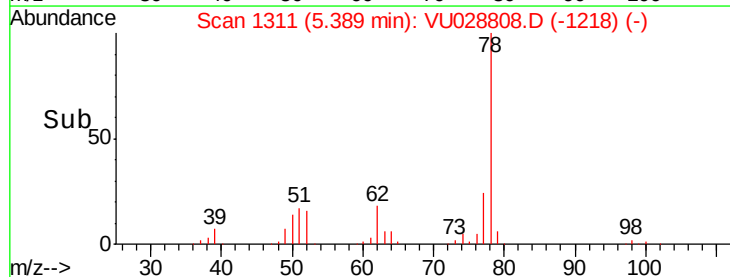
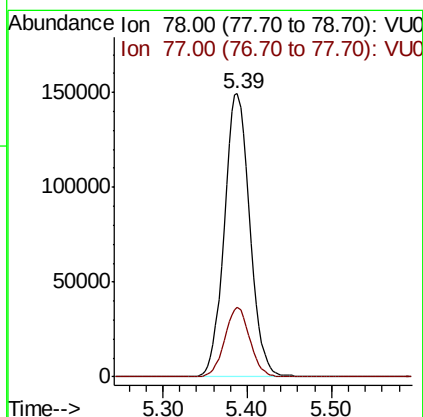
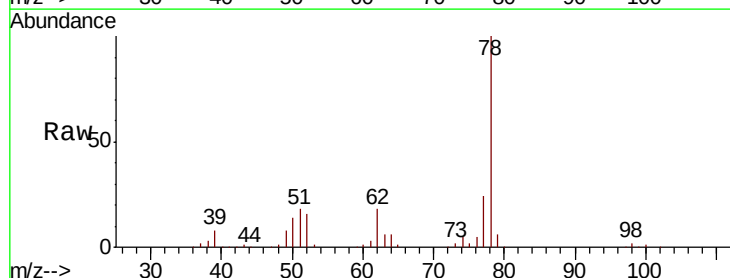
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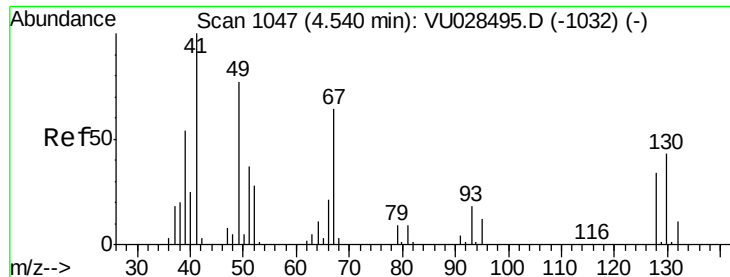
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#40
Benzene
Concen: 51.797 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.9	29.9





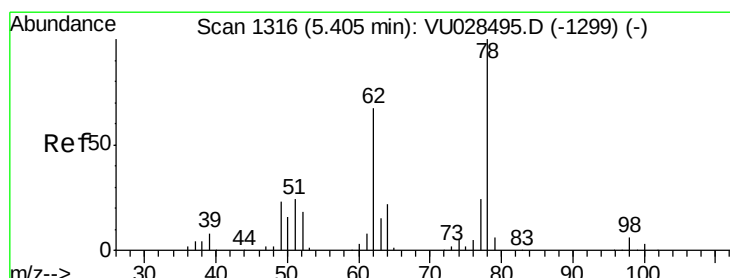
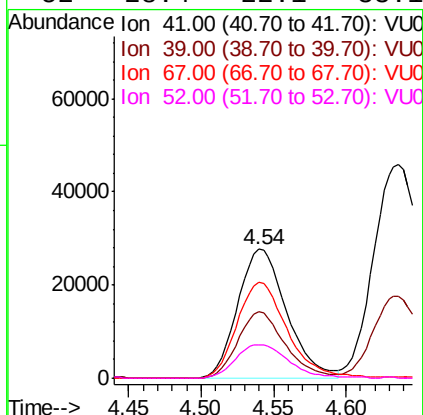
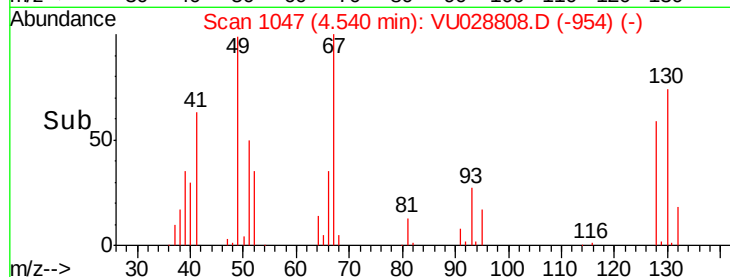
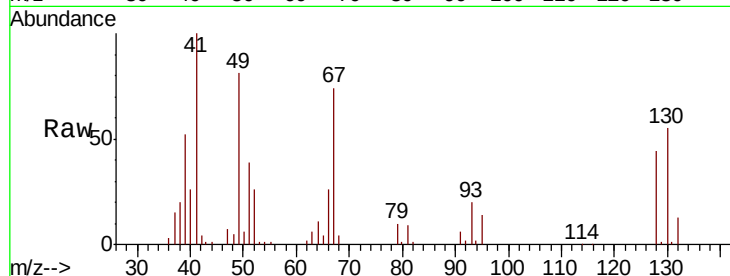
#41
Methacrylonitrile
Concen: 44.788 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.0	43.3	64.9	
67	76.0	53.6	80.4	
52	28.4	22.1	33.1	

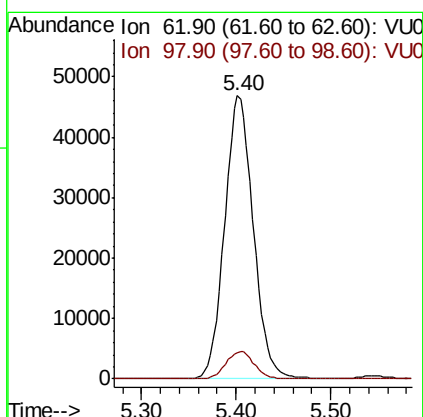
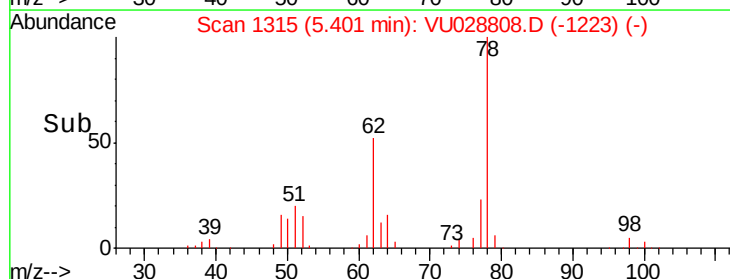
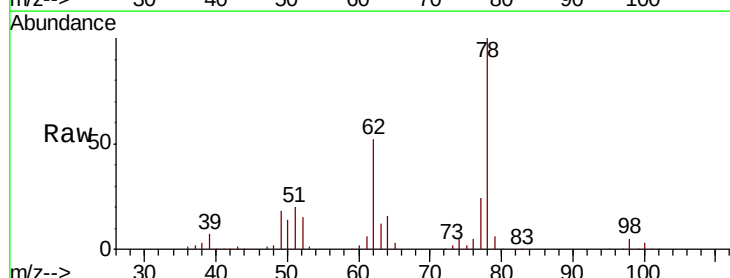
Manual Integrations
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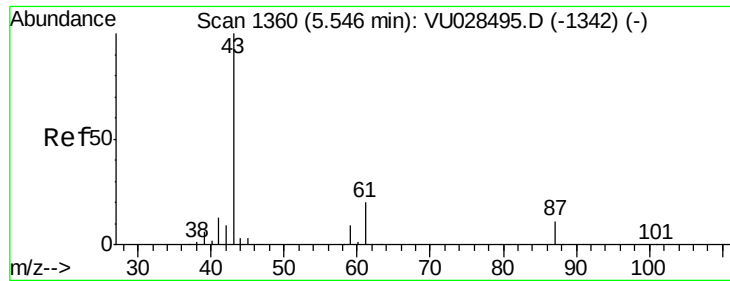
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#42
1,2-Dichloroethane
Concen: 46.515 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	17.2	





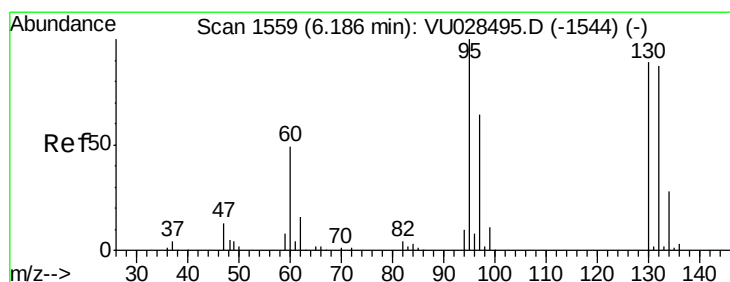
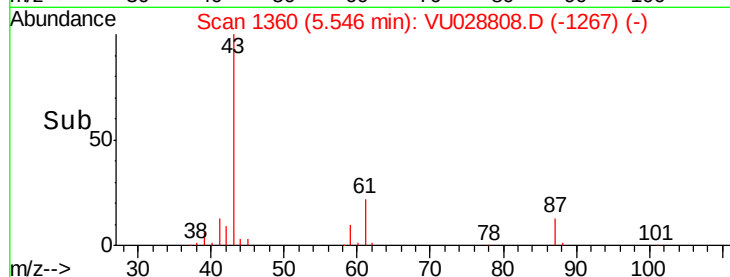
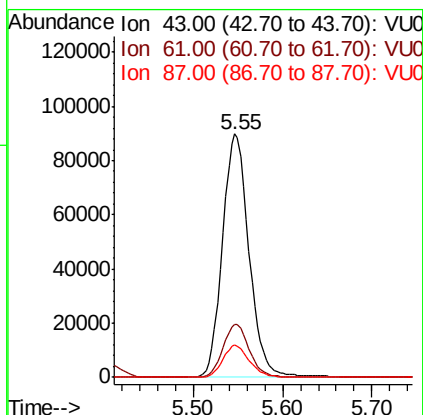
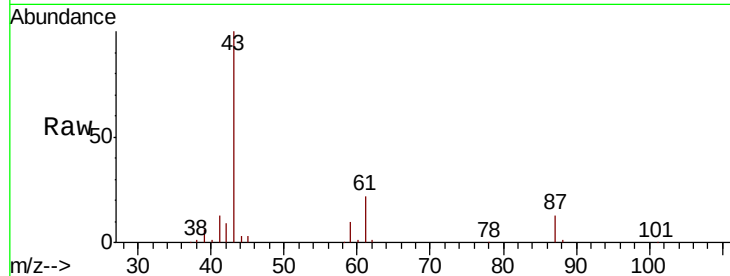
#43
Isopropyl Acetate
Concen: 43.827 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	15.5	23.3
87	13.2	8.7	13.1

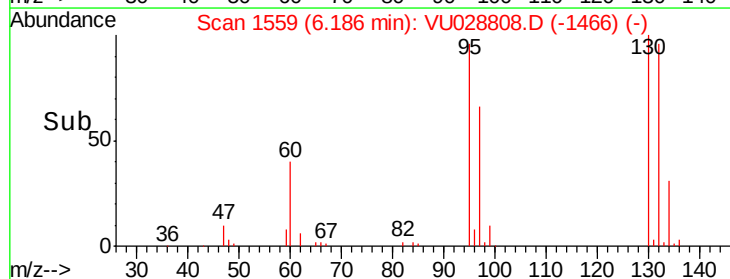
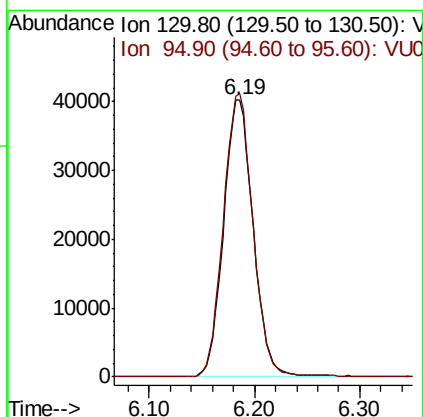
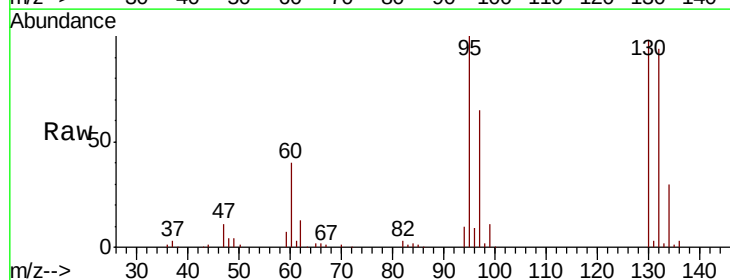
Manual Integrations
APPROVED

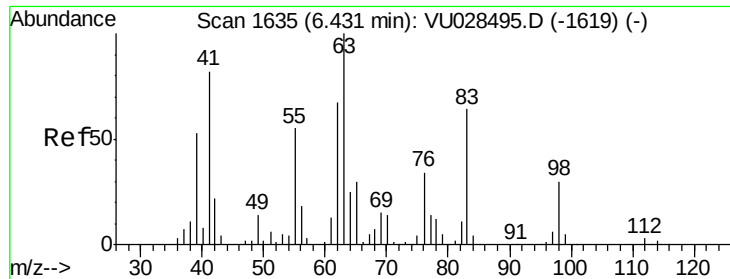
MMDadoda
12/20/2018 8:58:51 AM



#44
Trichloroethene
Concen: 58.000 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	224.0





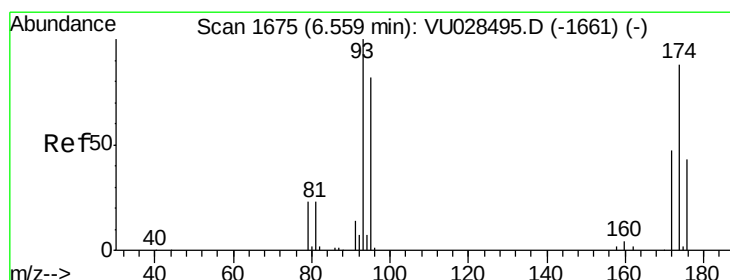
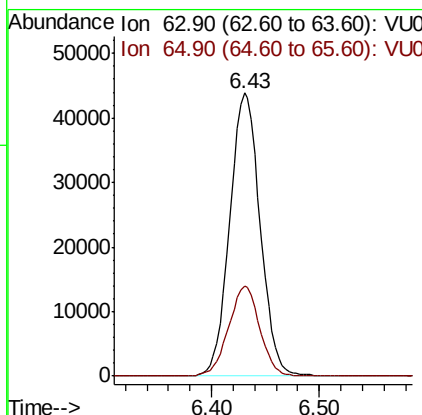
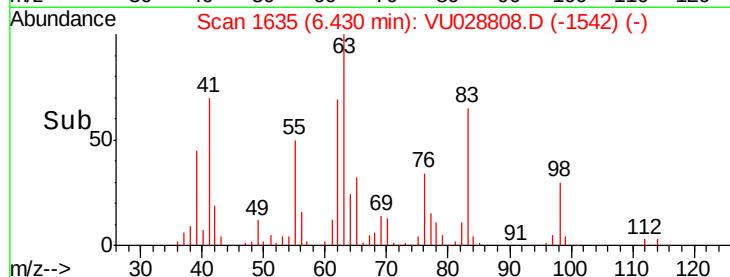
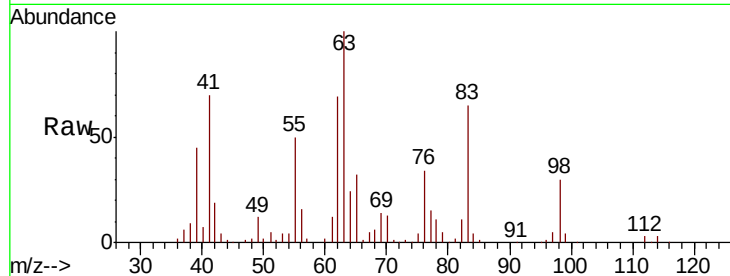
#45
 1,2-Dichloropropane
 Concen: 50.677 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 86373
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.2 36.4

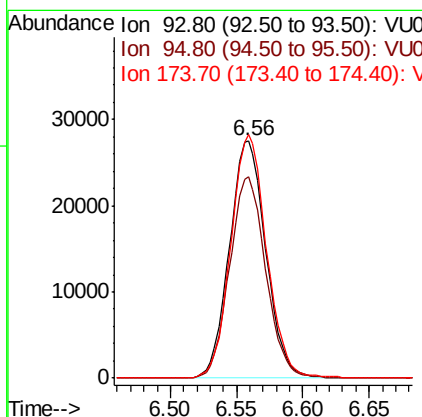
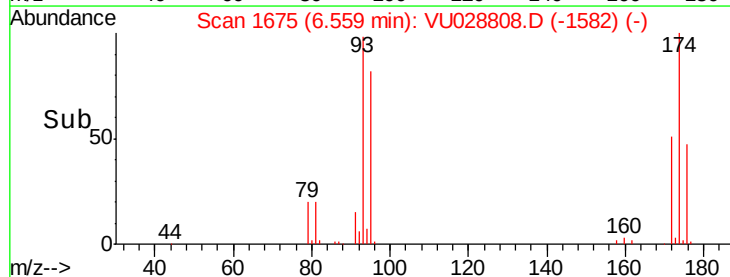
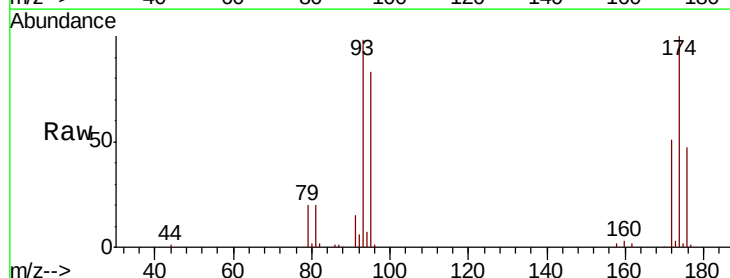
Manual Integrations
 APPROVED

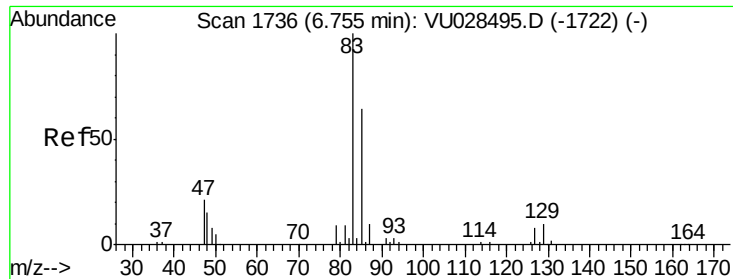
MMDadoda
 12/20/2018 8:58:51 AM



#46
 Dibromomethane
 Concen: 51.856 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 93 Resp: 52440
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.4 98.2
 174 100.8 72.2 108.4





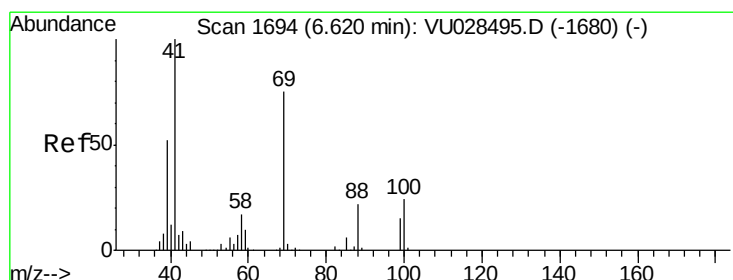
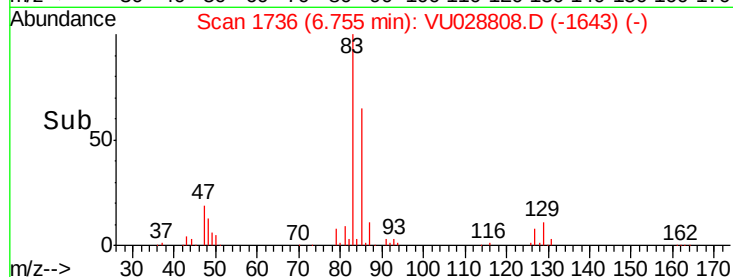
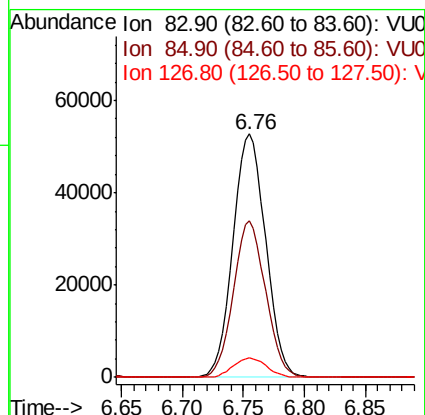
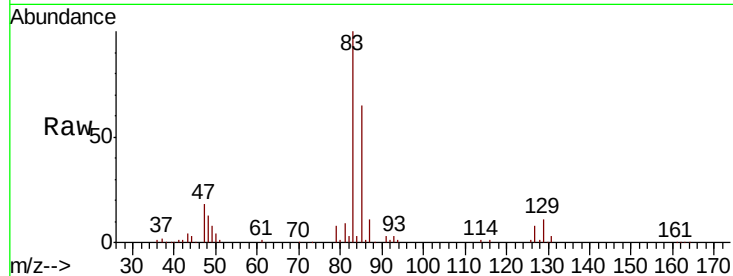
#47
Bromodichloromethane
Concen: 49.860 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98116
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	7.9	6.2	9.4

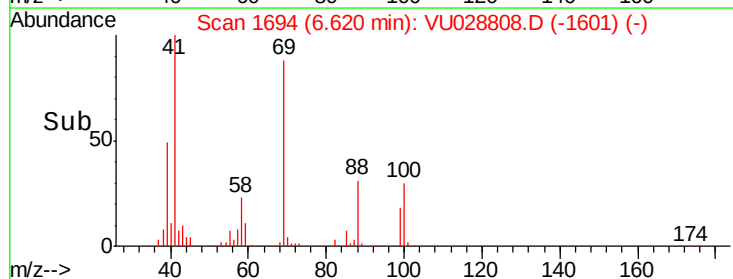
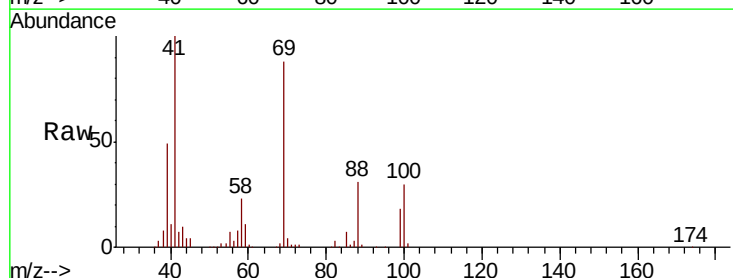
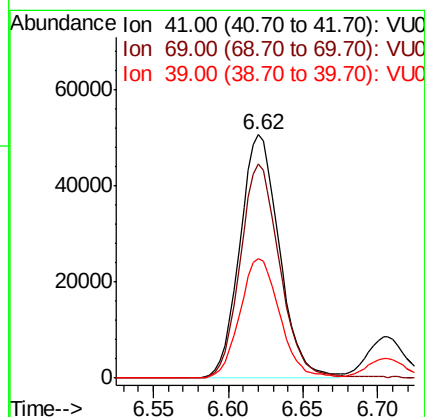
Manual Integrations
APPROVED

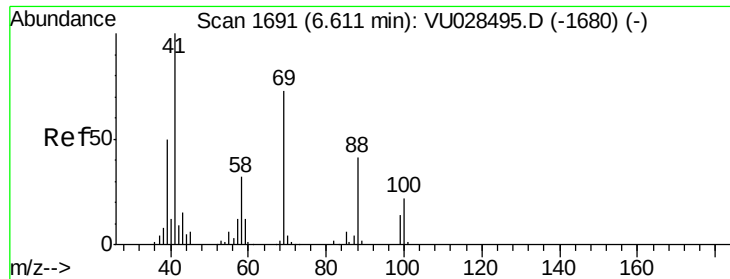
MMDadoda
12/20/2018 8:58:51 AM



#48
Methyl methacrylate
Concen: 44.467 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	41	Resp	93046
Ion Ratio	100	Lower	Upper
41	100		
69	88.3	60.4	90.6
39	49.4	41.1	61.7





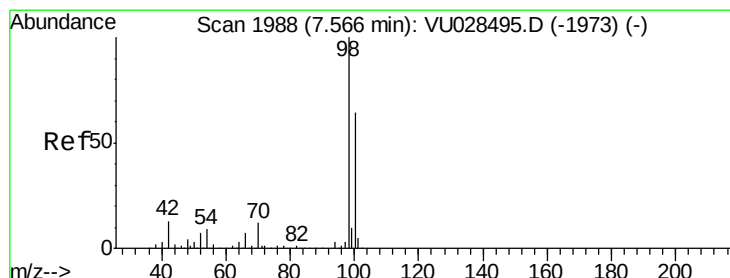
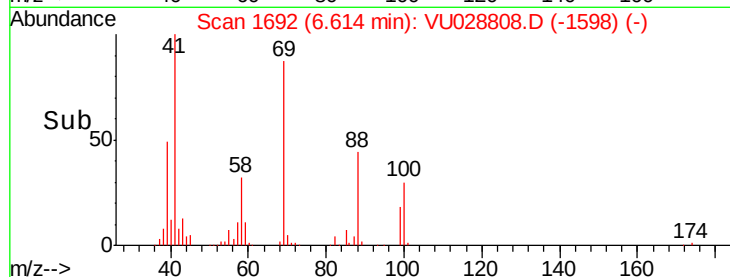
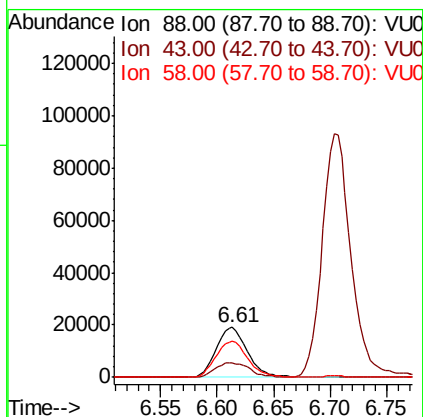
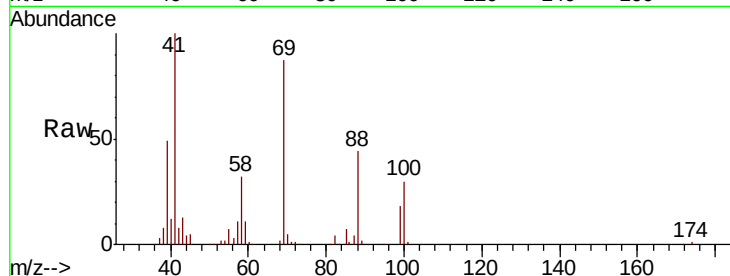
#49
1,4-Dioxane
Concen: 1116.568 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	30.9	46.3
58	73.4	62.4	93.6

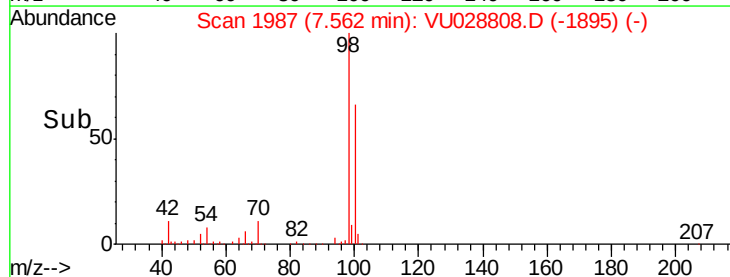
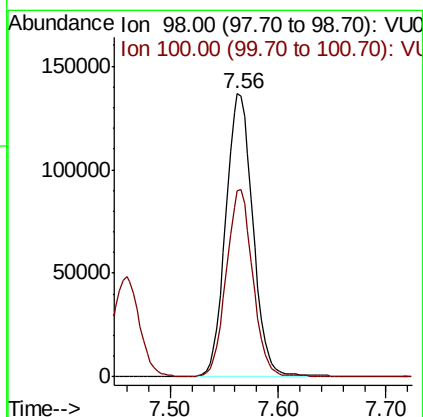
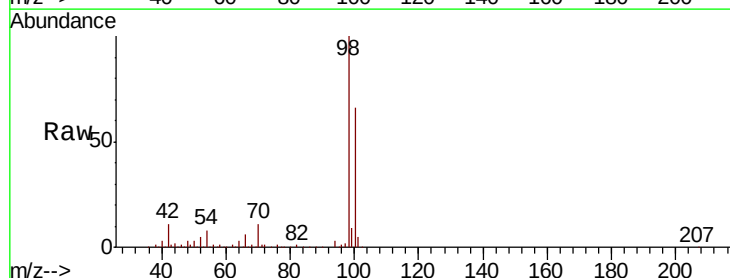
Manual Integrations
APPROVED

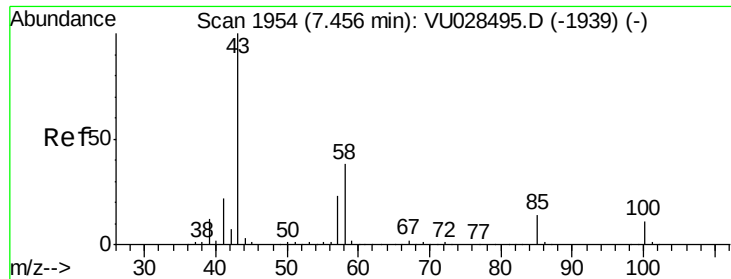
MMDadoda
12/20/2018 8:58:51 AM



#50
Toluene-d8
Concen: 51.511 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 223.041 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 591910

Ion Ratio Lower Upper

43 100

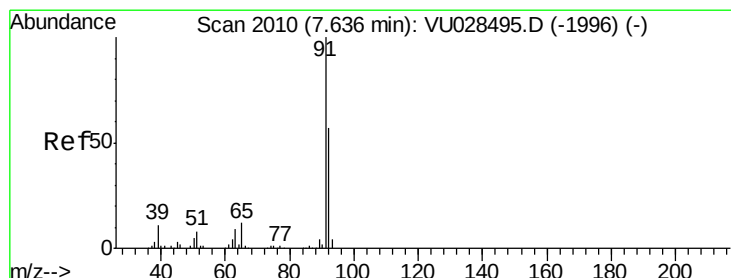
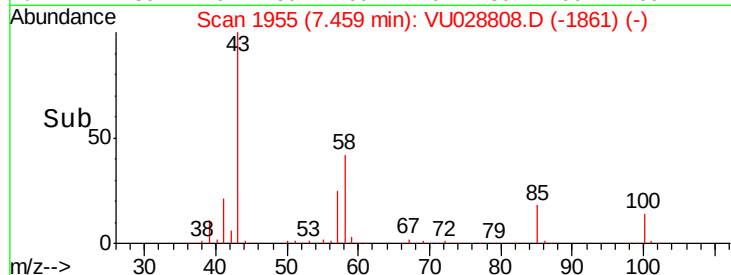
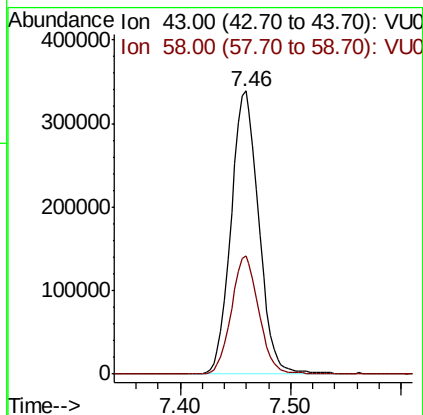
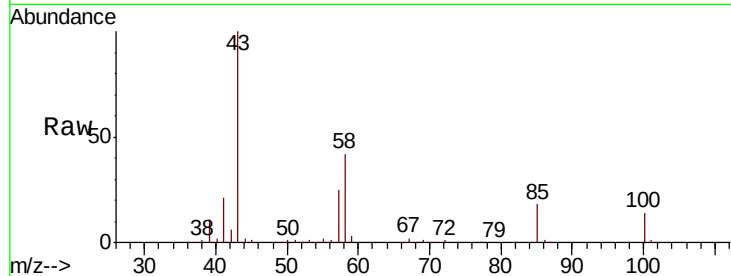
58 41.3 30.2 45.2

Manual Integrations

APPROVED

MMDadoda

12/20/2018 8:58:51 AM



#52

Toluene

Concen: 52.948 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028808.D

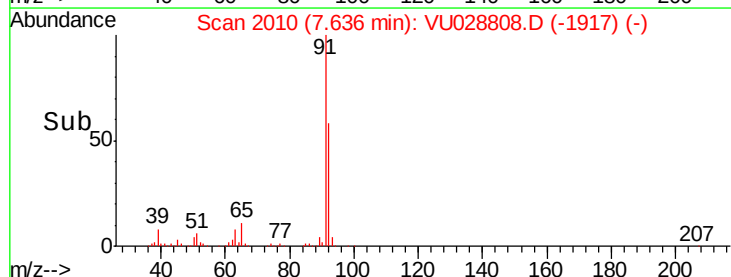
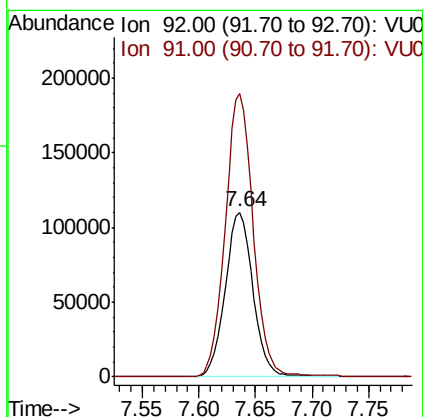
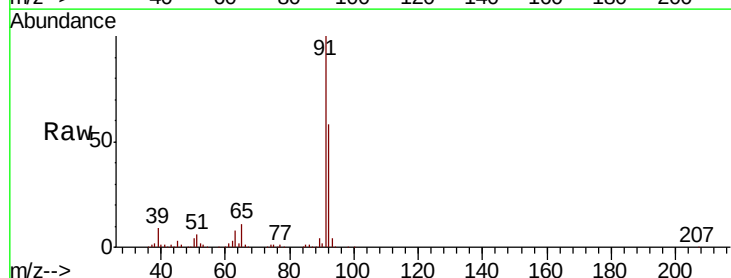
Acq: 19 Dec 2018 20:58

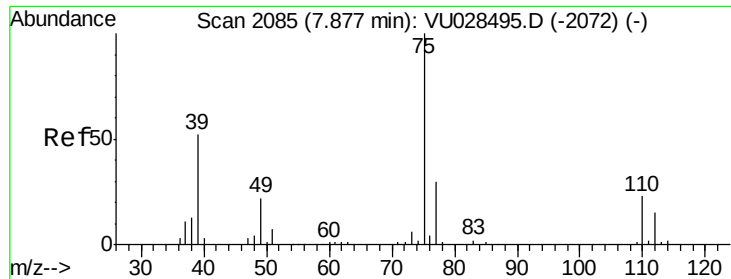
Tgt Ion: 92 Resp: 188863

Ion Ratio Lower Upper

92 100

91 174.1 140.2 210.4





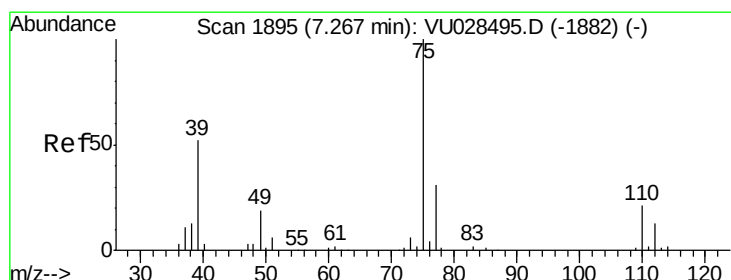
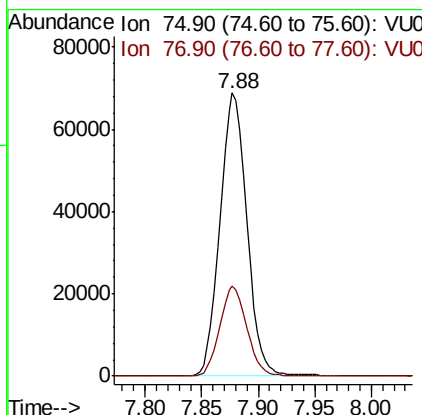
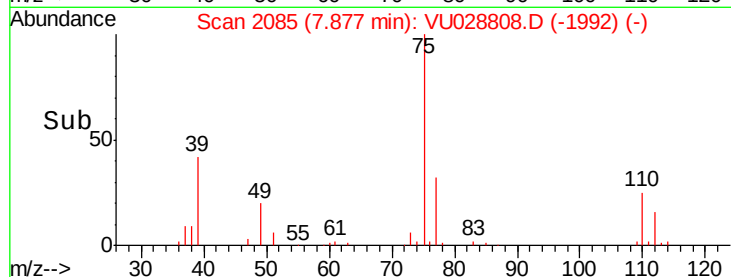
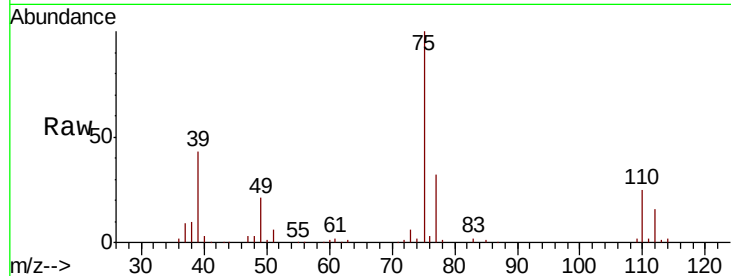
#53
t-1,3-Dichloropropene
Concen: 48.749 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 114252
Ion Ratio Lower Upper
75 100
77 32.0 24.2 36.4

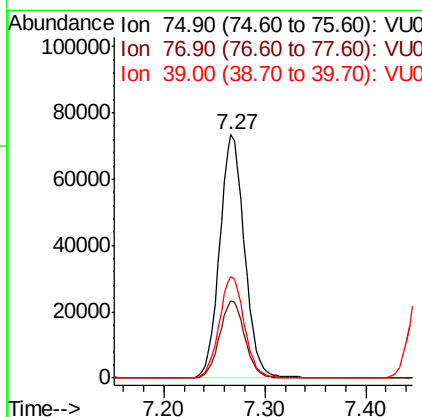
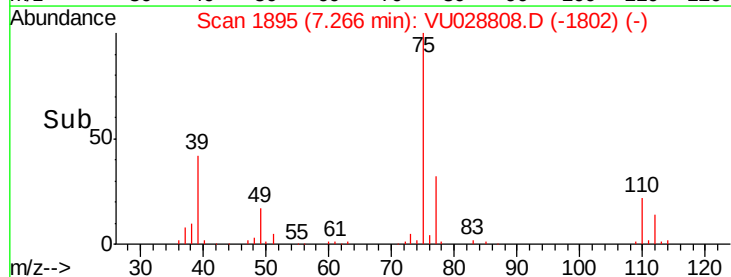
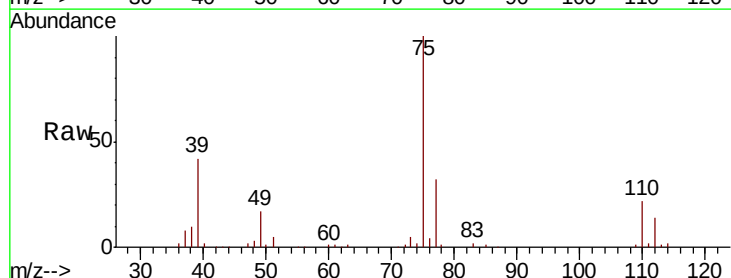
Manual Integrations
APPROVED

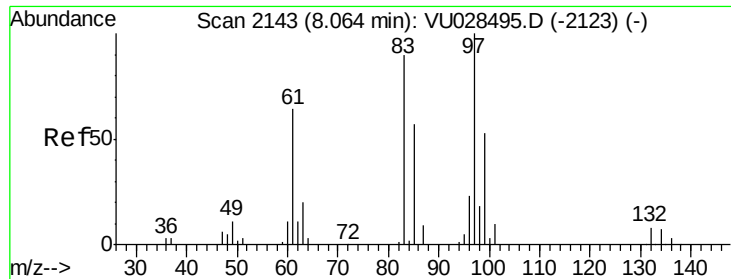
MMDadoda
12/20/2018 8:58:51 AM



#54
cis-1,3-Dichloropropene
Concen: 49.704 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 75 Resp: 126382
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4
39 41.5 41.3 61.9





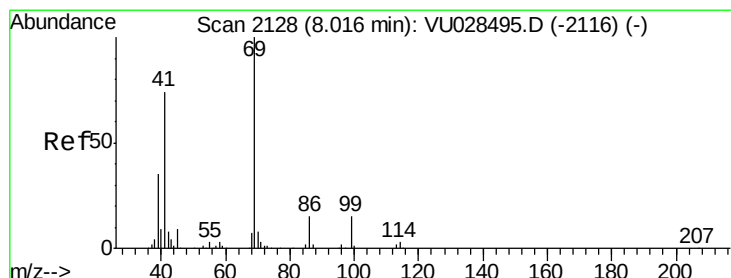
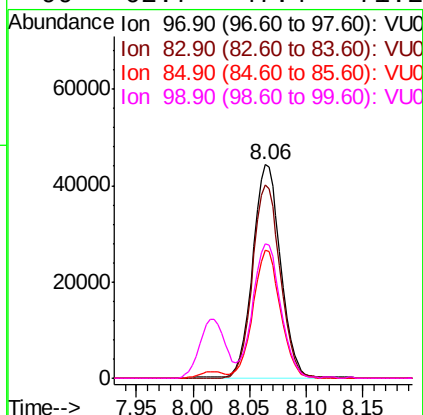
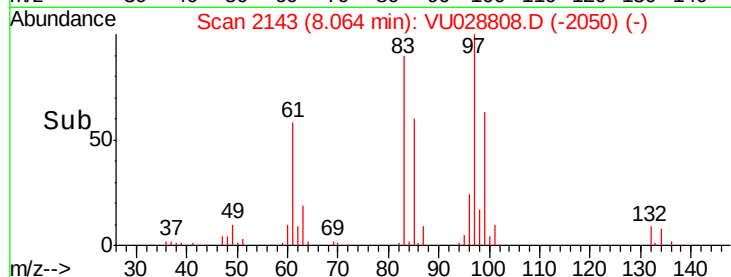
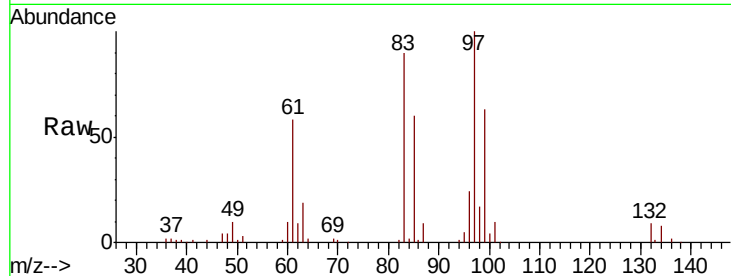
#55
1,1,2-Trichloroethane
Concen: 53.970 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.2	72.4	108.6	
85	59.9	46.0	69.0	
99	62.7	47.4	71.2	

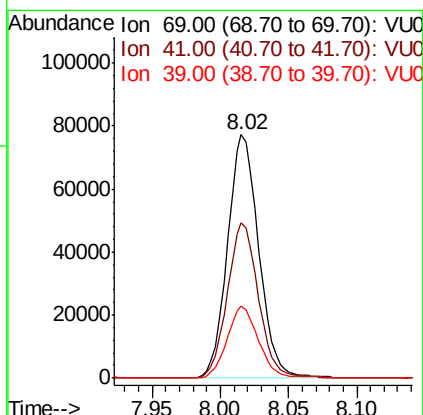
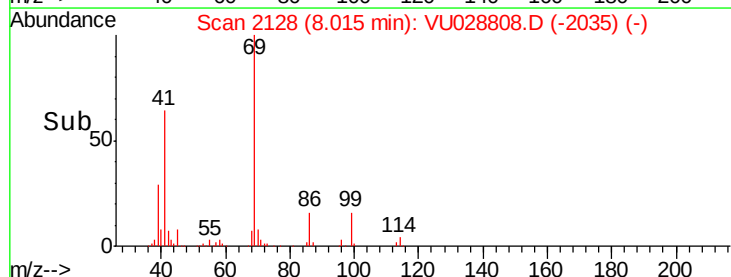
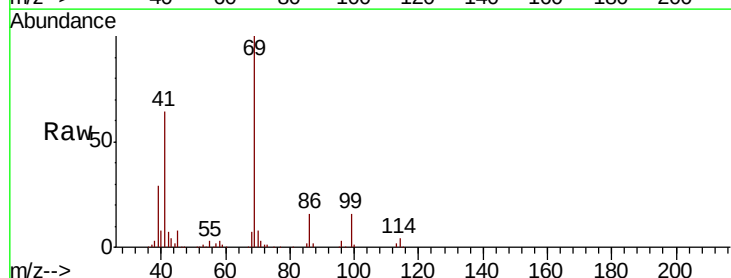
Manual Integrations
APPROVED

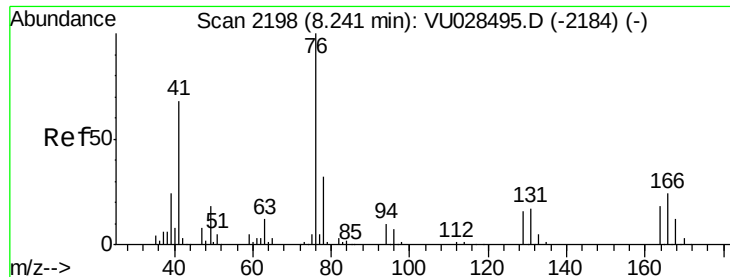
MMDadoda
12/20/2018 8:58:51 AM



#56
Ethyl methacrylate
Concen: 50.946 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.4	59.1	88.7	
39	29.9	28.4	42.6	





#57

1,3-Dichloropropane

Concen: 50.637 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 132536

Ion Ratio Lower Upper

76 100

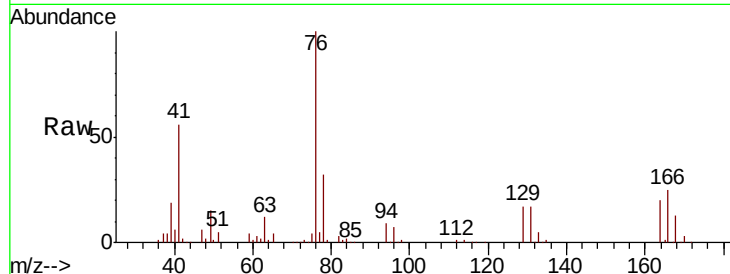
78 31.5 25.2 37.8

Manual Integrations

APPROVED

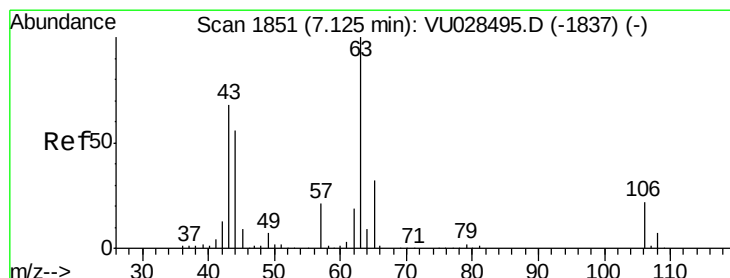
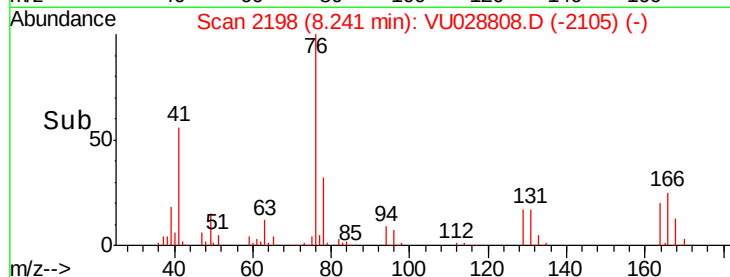
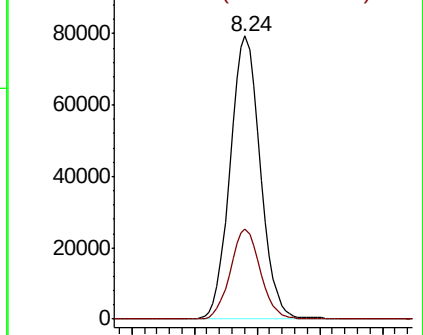
MMDadoda

12/20/2018 8:58:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 224.351 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028808.D

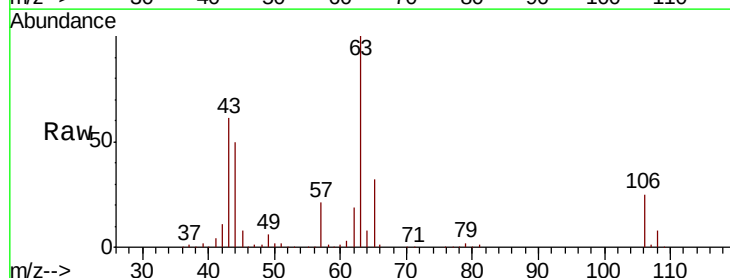
Acq: 19 Dec 2018 20:58

Tgt Ion: 63 Resp: 277462

Ion Ratio Lower Upper

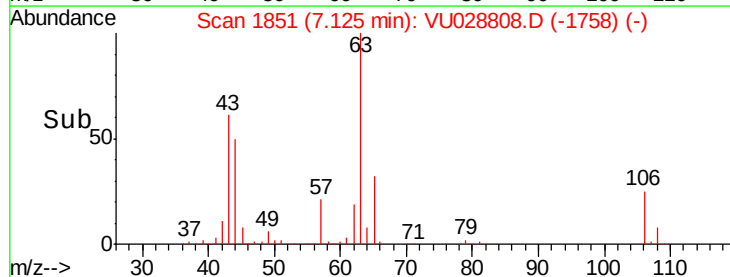
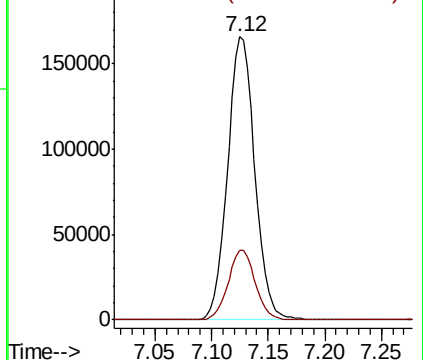
63 100

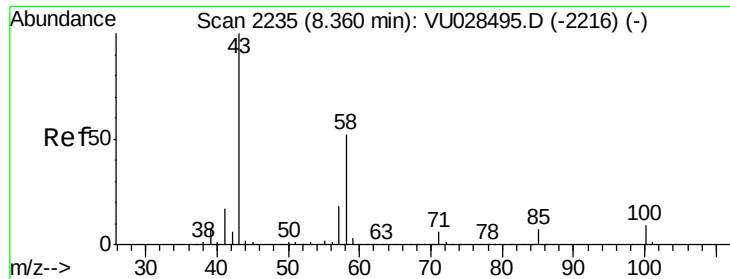
106 24.6 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





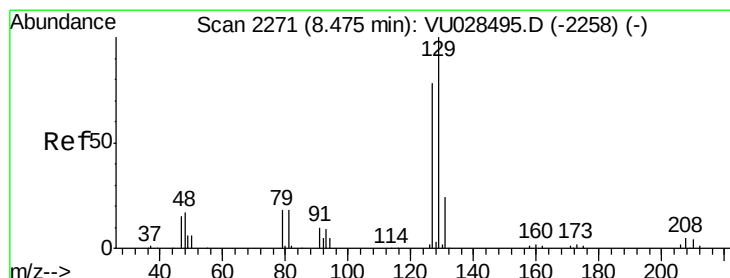
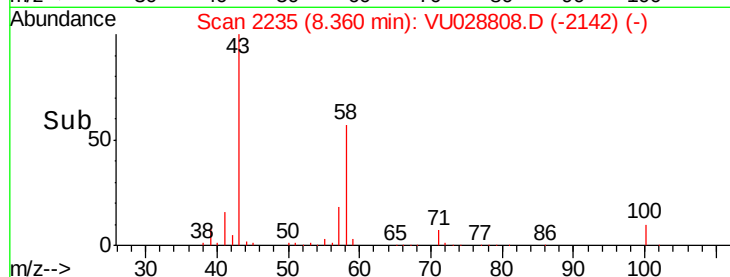
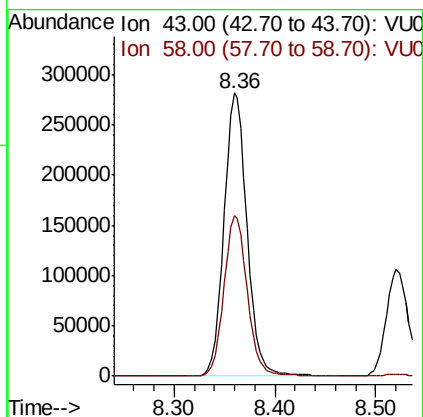
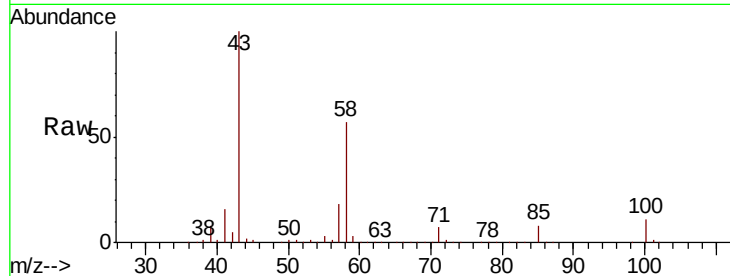
#59
2-Hexanone
Concen: 214.195 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 450546
Ion Ratio Lower Upper
43 100
58 57.5 25.9 77.6

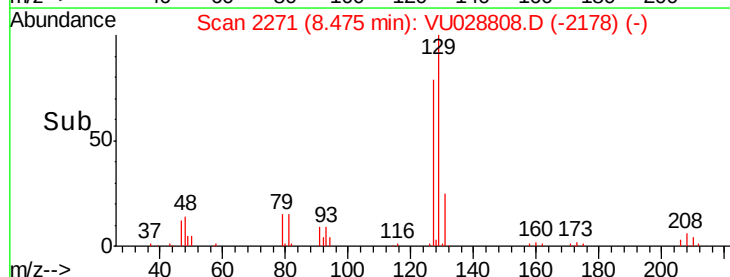
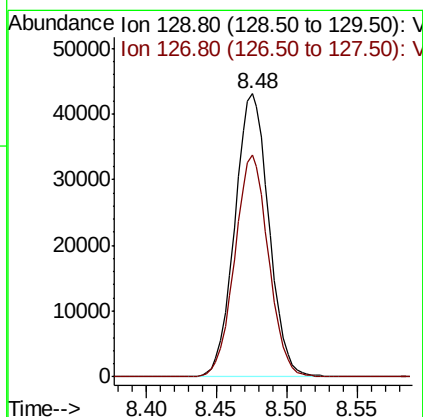
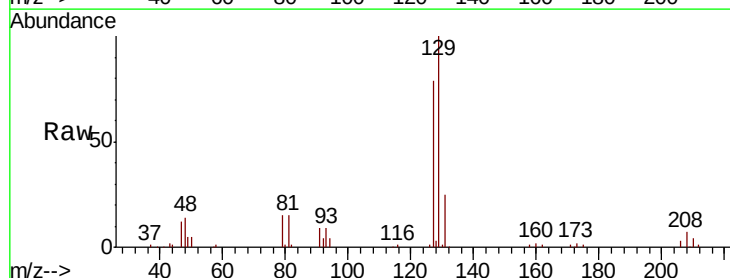
Manual Integrations
APPROVED

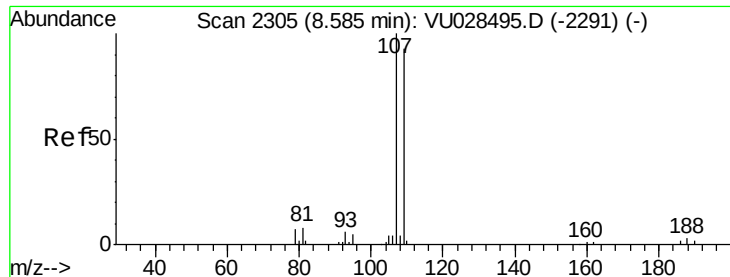
MMDadoda
12/20/2018 8:58:51 AM



#60
Dibromochloromethane
Concen: 52.841 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 129 Resp: 72945
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 54.750 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 80954

Ion Ratio Lower Upper

107 100

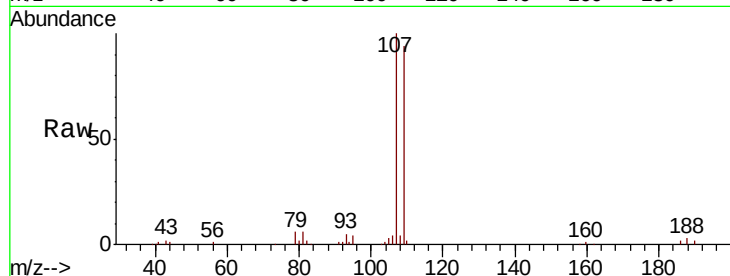
109 93.7 74.5 111.7

Manual Integrations

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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

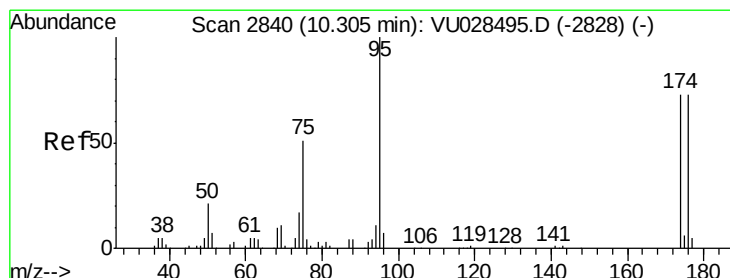
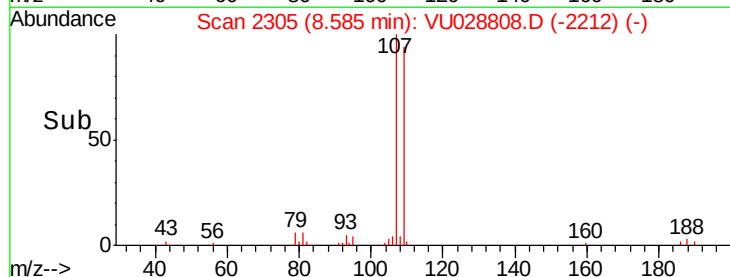
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.072 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

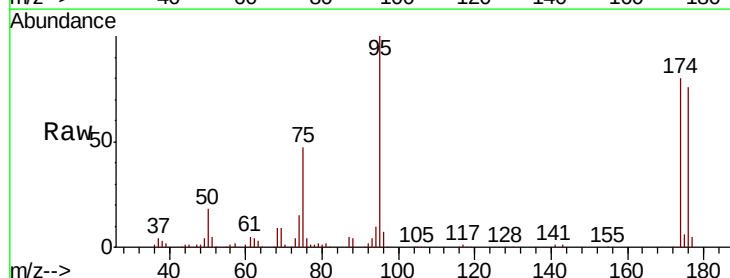
Tgt Ion: 95 Resp: 89365

Ion Ratio Lower Upper

95 100

174 81.1 0.0 150.4

176 76.9 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

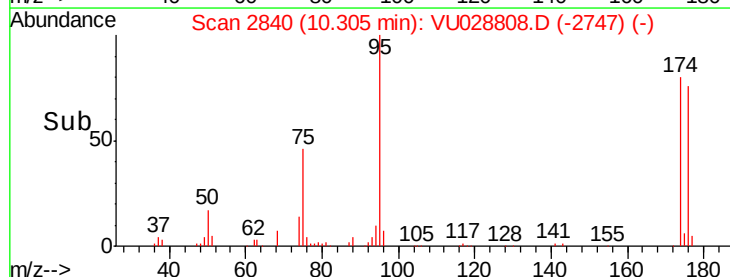
60000

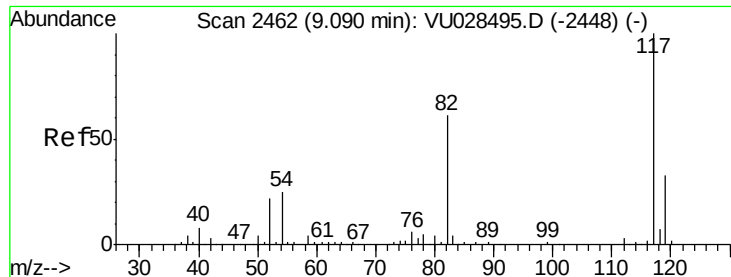
40000

20000

0

Time-->





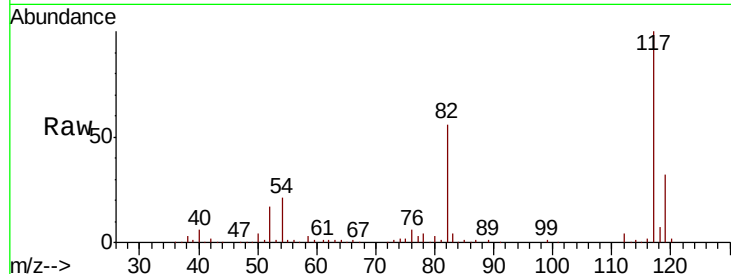
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	176566		
82	55.9	48.9	73.3	
119	32.3	26.2	39.4	

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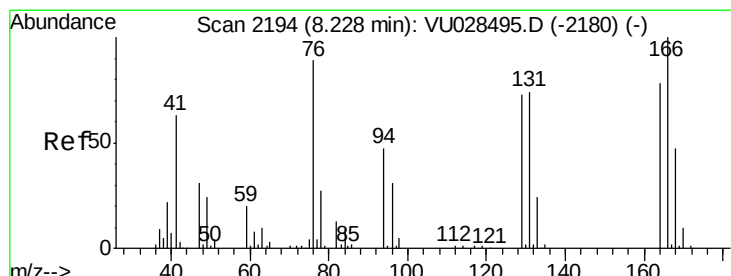
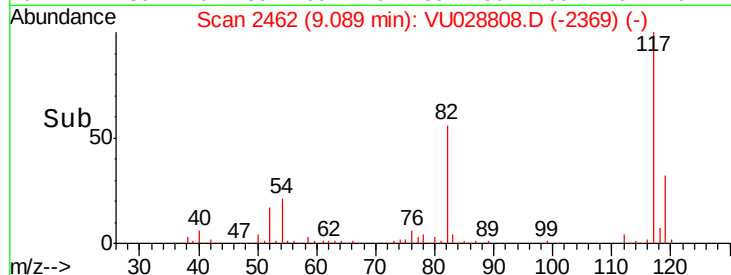
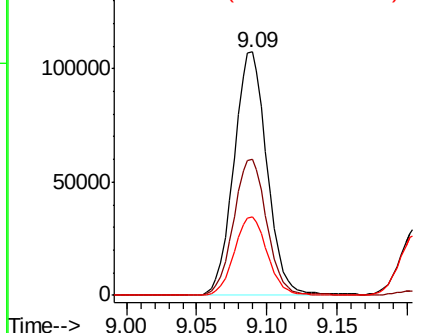


Abundance

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: 55.257 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65078		
166	130.3	101.9	152.9	
129	94.9	74.9	112.3	
131	89.6	75.4	113.0	

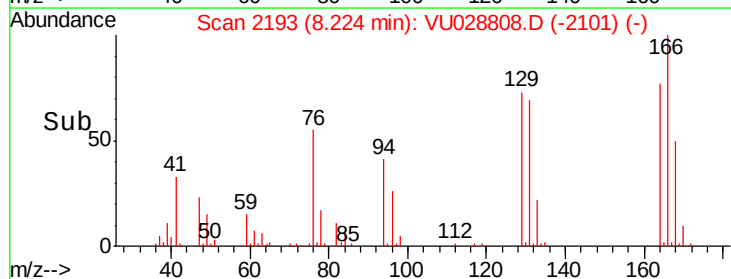
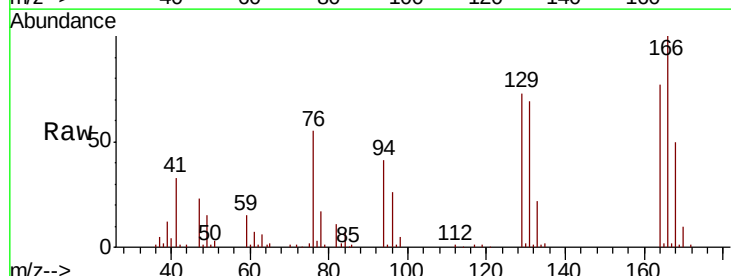
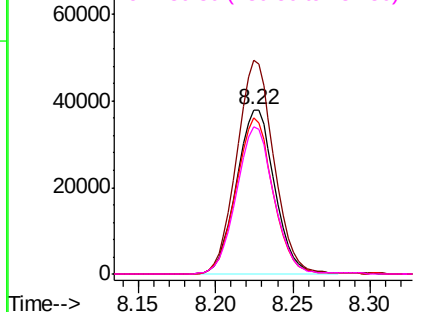
Abundance

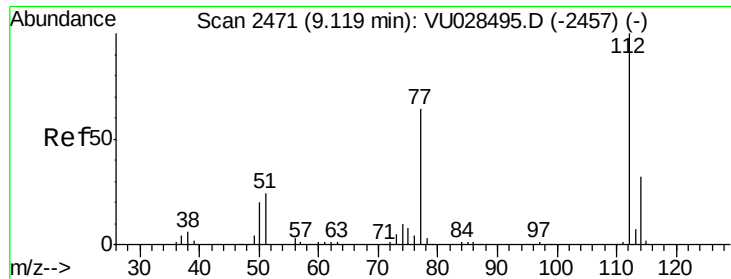
Ion 163.80 (163.50 to 164.50): V

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





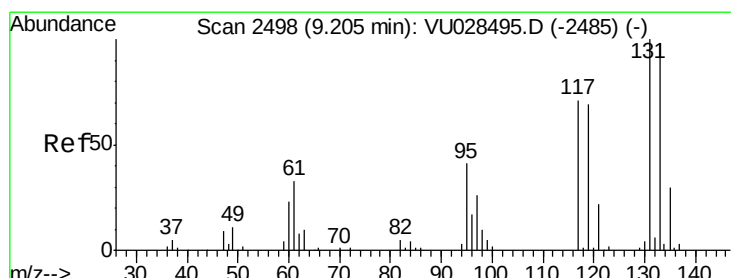
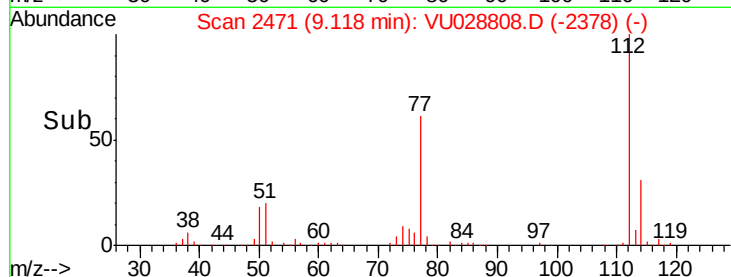
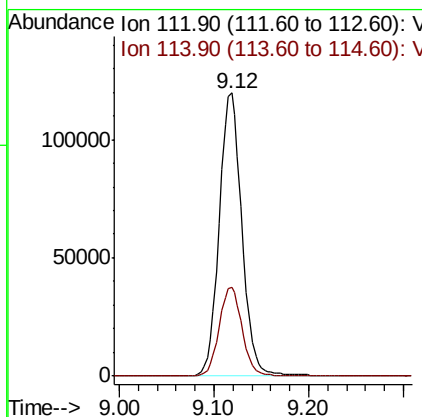
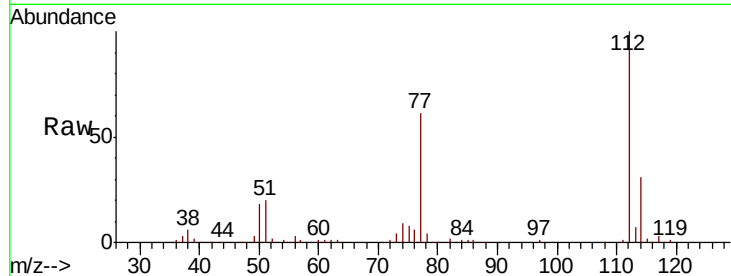
#65
Chlorobenzene
Concen: 52.933 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 199156
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

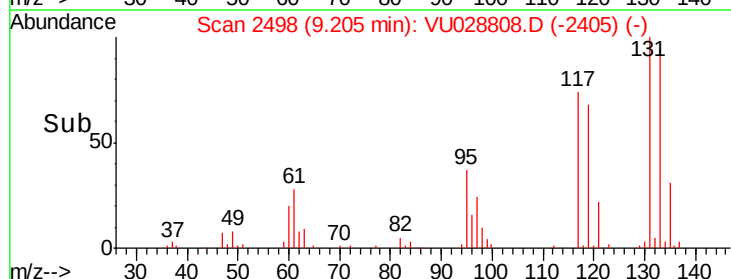
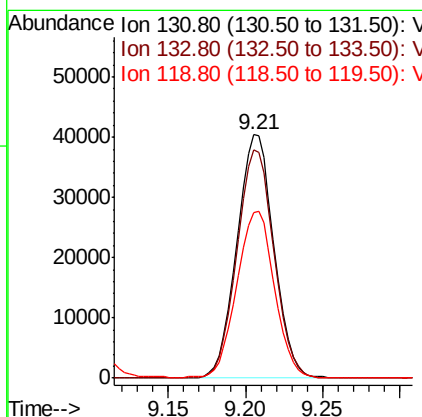
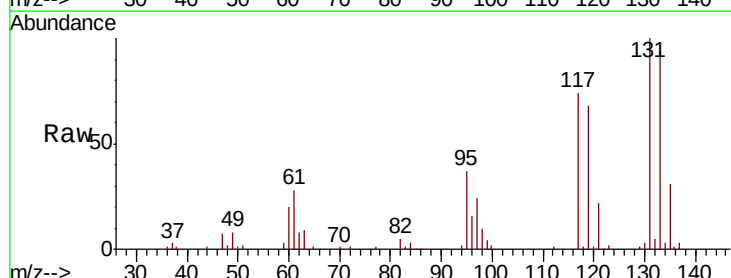
Manual Integrations
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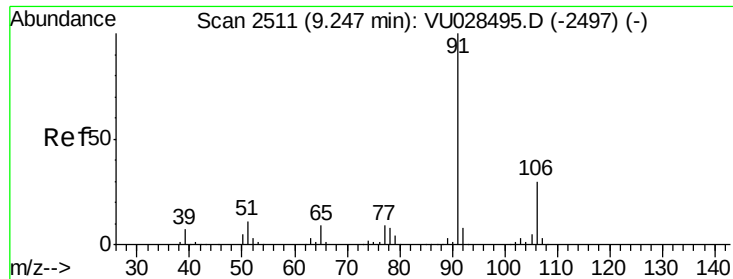
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.833 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion:131 Resp: 67082
Ion Ratio Lower Upper
131 100
133 94.0 48.0 144.0
119 69.9 34.6 103.9





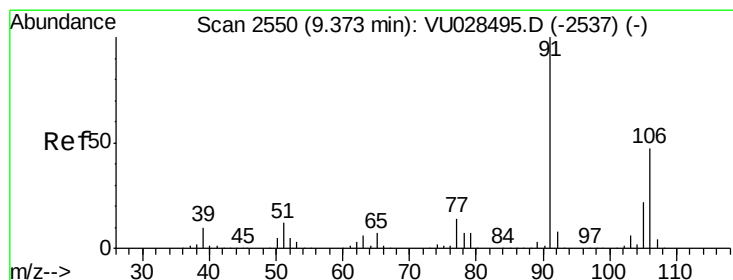
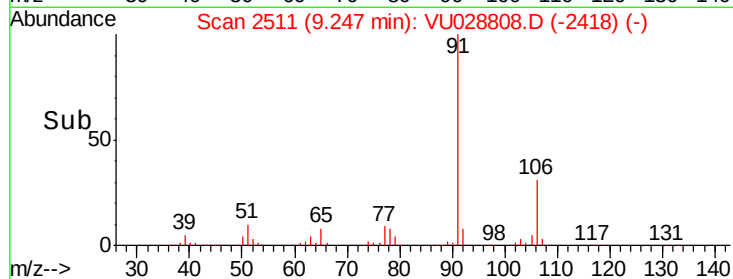
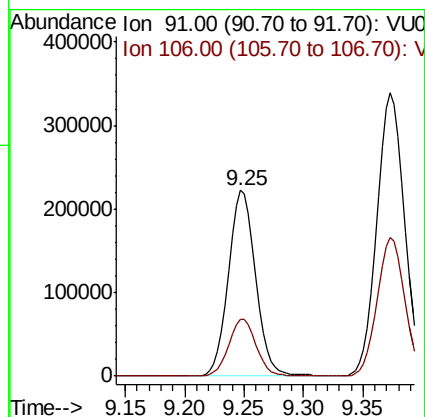
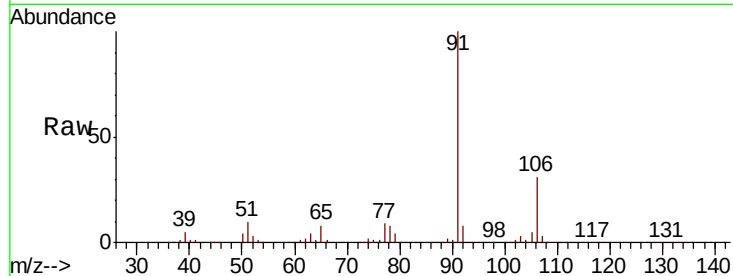
#67
Ethyl Benzene
Concen: 51.173 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 353942
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

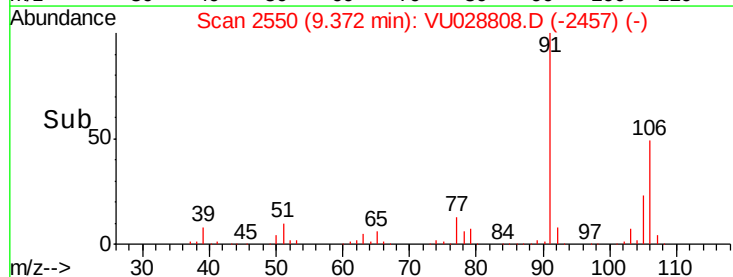
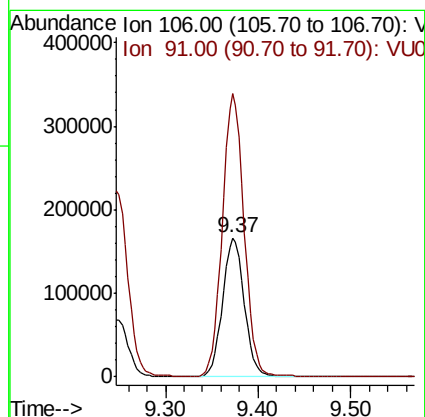
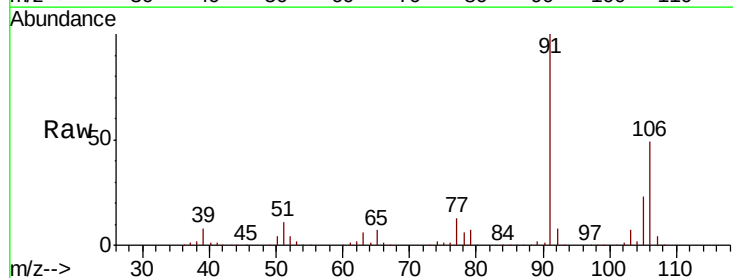
Manual Integrations
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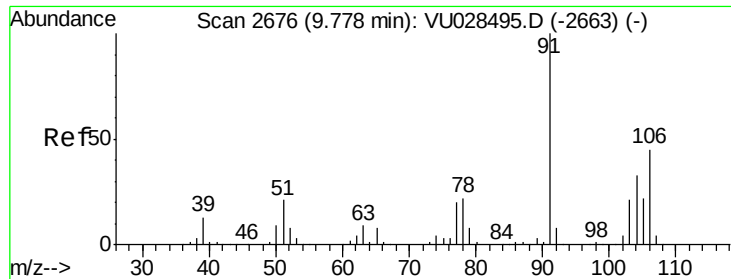
MMDadoda
12/20/2018 8:58:51 AM



#68
m/p-Xylenes
Concen: 107.382 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion: 106 Resp: 270254
Ion Ratio Lower Upper
106 100
91 203.5 167.4 251.0





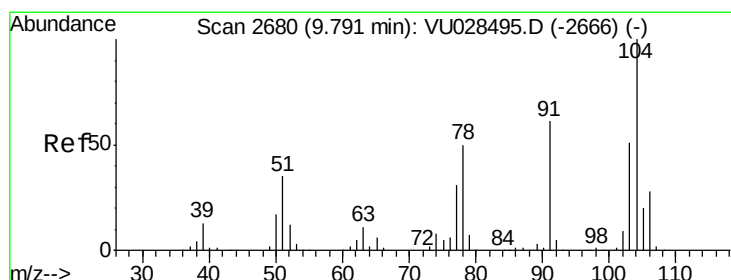
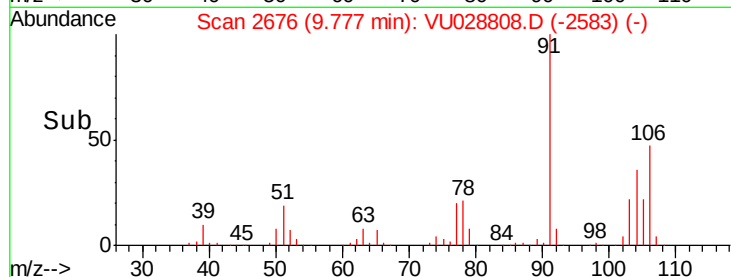
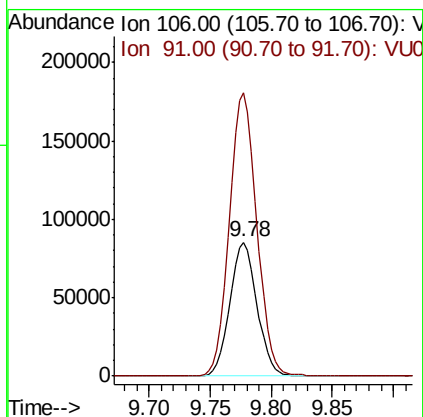
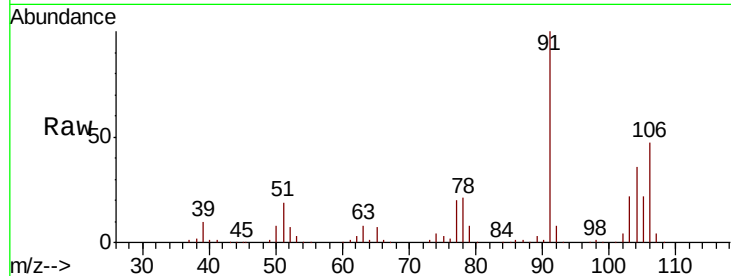
#69
o-Xylene
Concen: 54.384 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	111.3	334.0

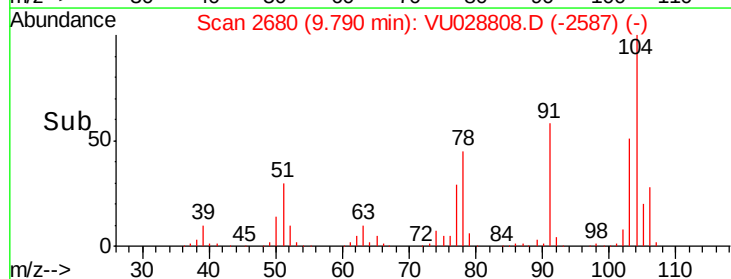
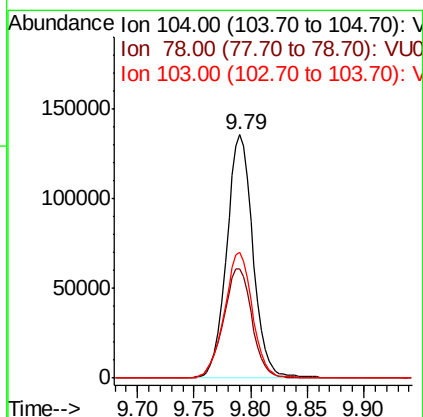
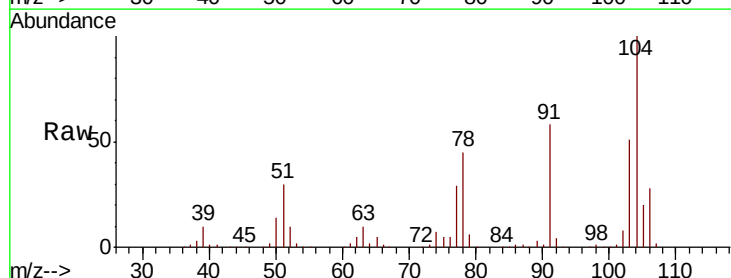
Manual Integrations
APPROVED

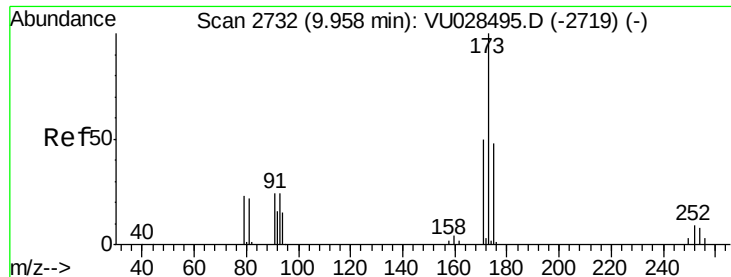
MMDadoda
12/20/2018 8:58:51 AM



#70
Styrene
Concen: 54.265 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	43.0	64.6
103	55.2	44.2	66.4





#71

Bromoform

Concen: 57.133 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 58395

Ion Ratio Lower Upper

173 100

175 47.7 23.9 71.8

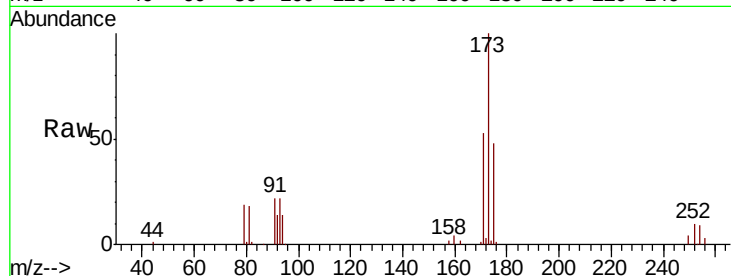
254 0.0 0.0 0.0

Manual Integrations

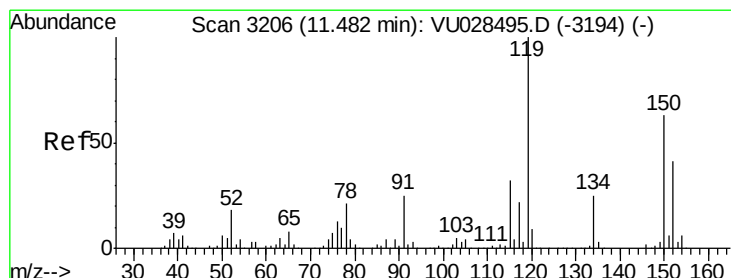
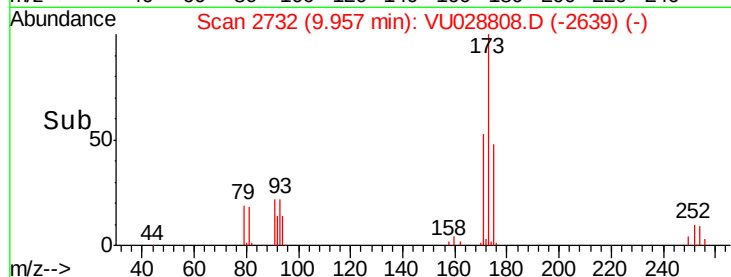
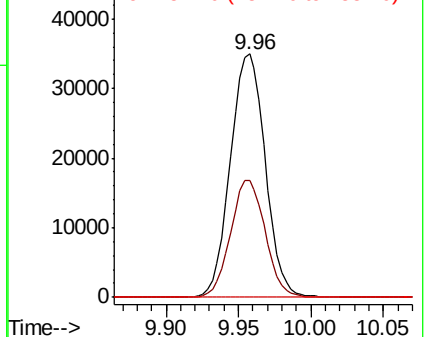
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

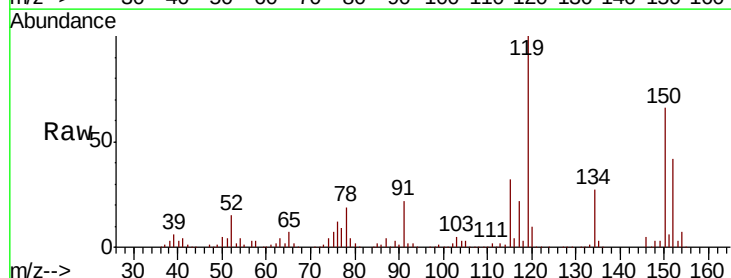
Tgt Ion:152 Resp: 89068

Ion Ratio Lower Upper

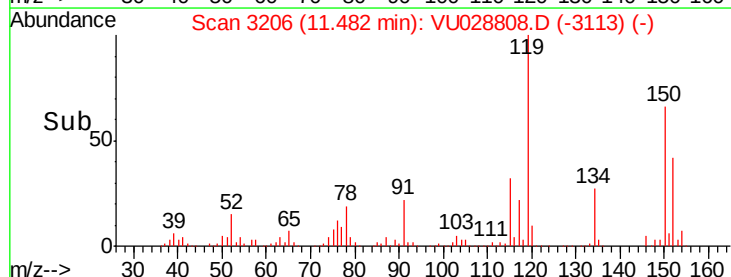
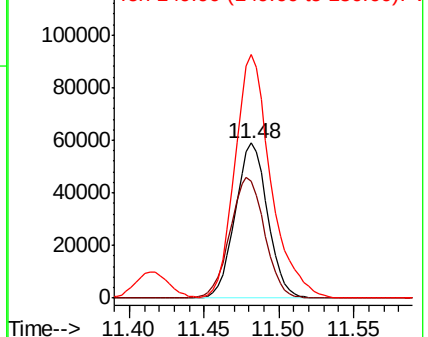
152 100

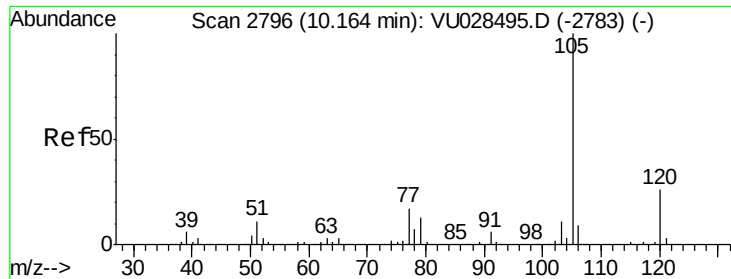
115 82.5 42.7 128.1

150 173.7 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.048 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 342052

Ion Ratio Lower Upper

105 100

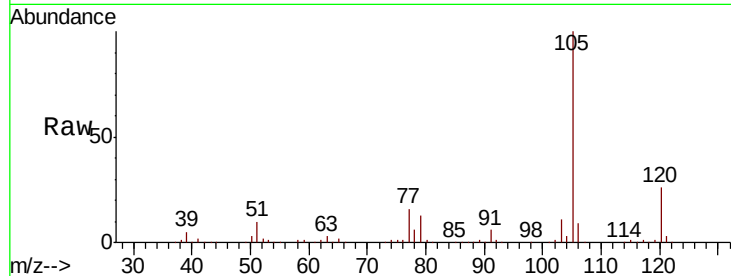
120 26.1 12.9 38.6

Manual Integrations

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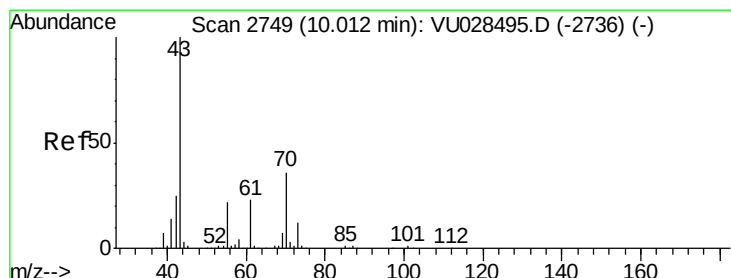
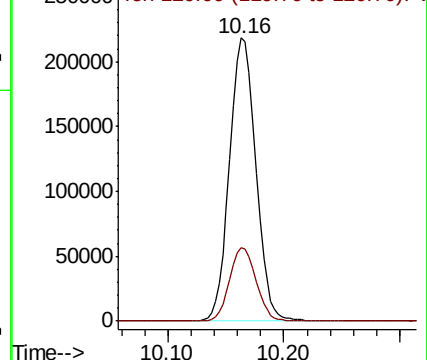
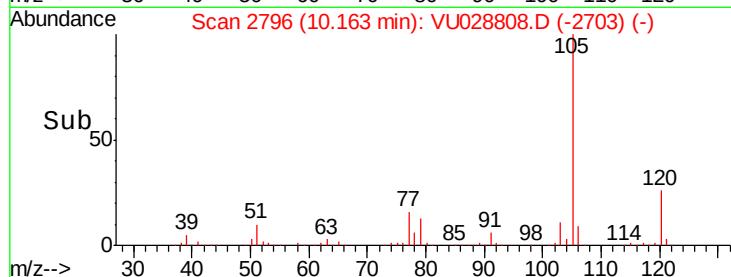
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.252 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Tgt Ion: 43 Resp: 162629

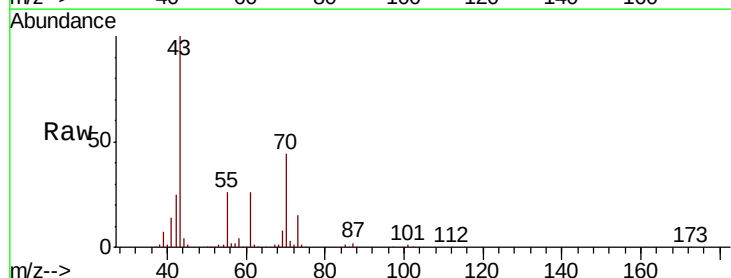
Ion Ratio Lower Upper

43 100

70 43.4 29.3 43.9

55 25.4 18.0 27.0

61 25.7 18.3 27.5

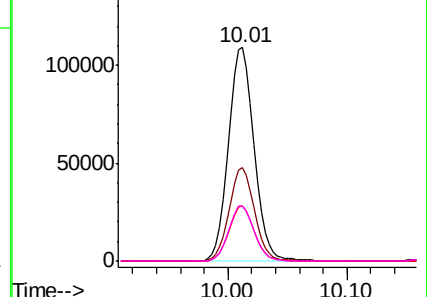
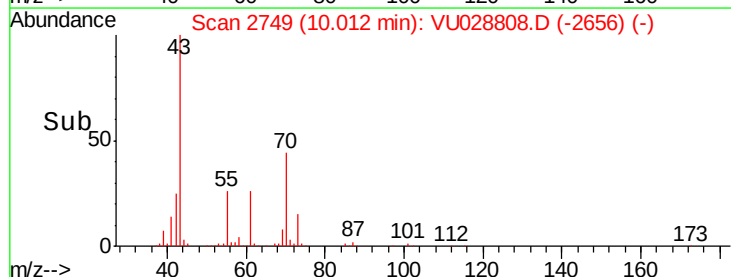


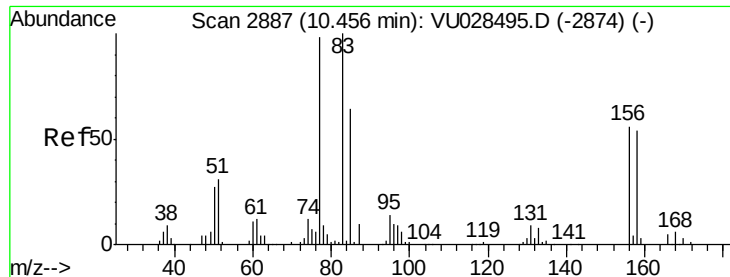
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





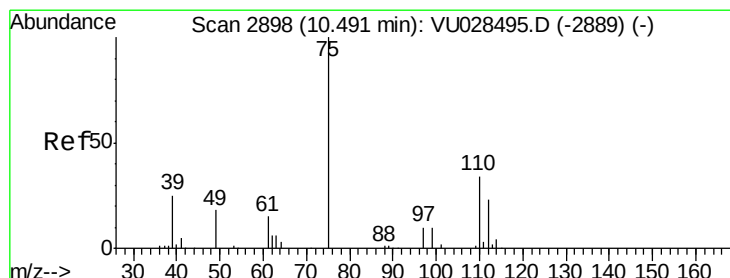
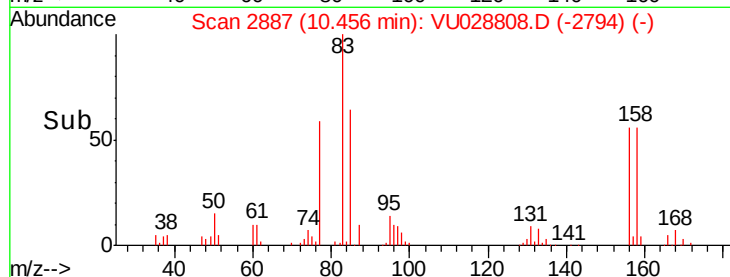
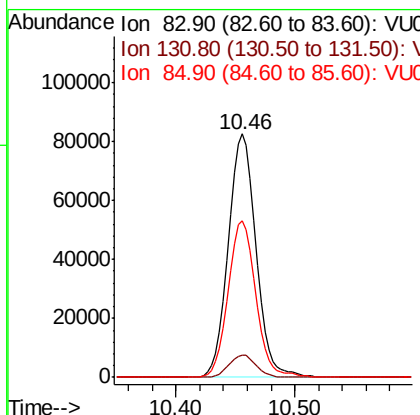
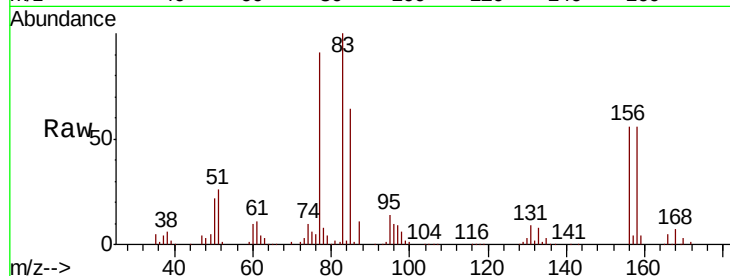
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.813 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	8.9	4.2	12.4	
85	64.5	31.8	95.4	

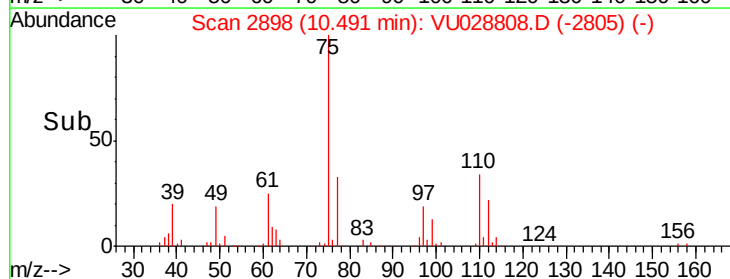
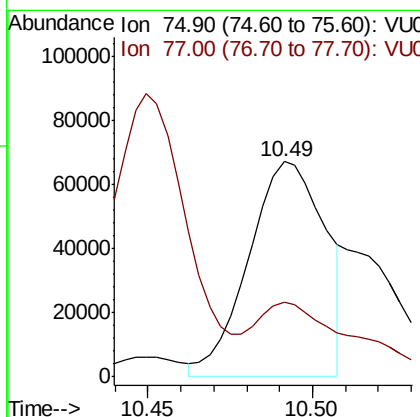
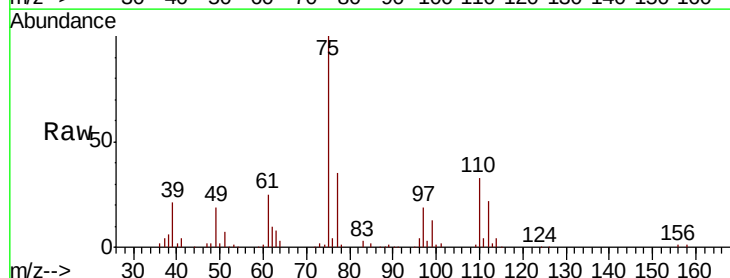
Manual Integrations
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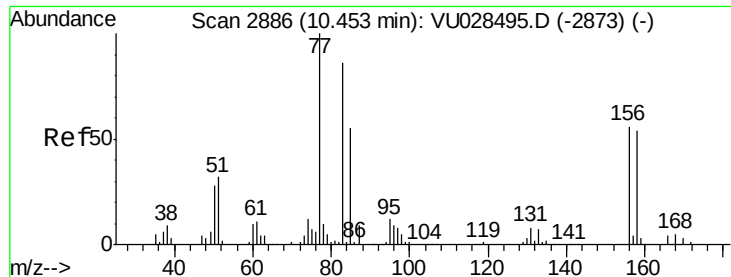
MMDadoda
 12/20/2018 8:58:51 AM



#76
 1,2,3-Trichloropropane
 Concen: 47.699 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	44.4	20.8	62.4	





#77

Bromobenzene

Concen: 53.840 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

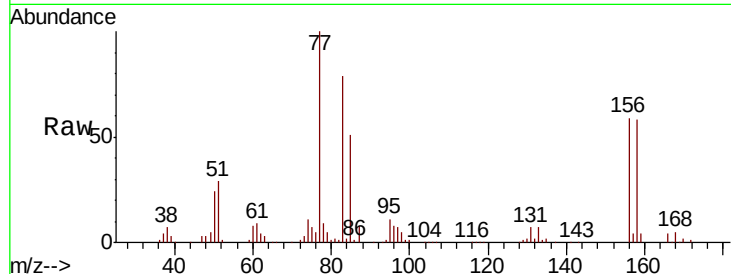
ClientSampleId :

VSTDCCC050EC

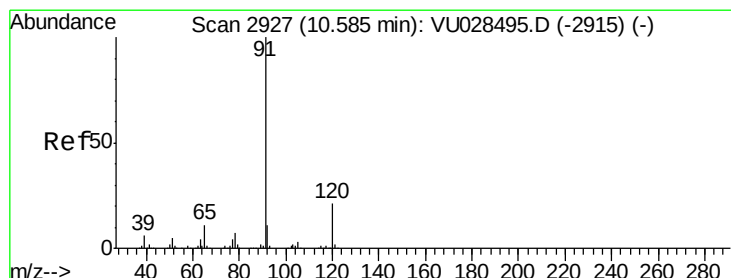
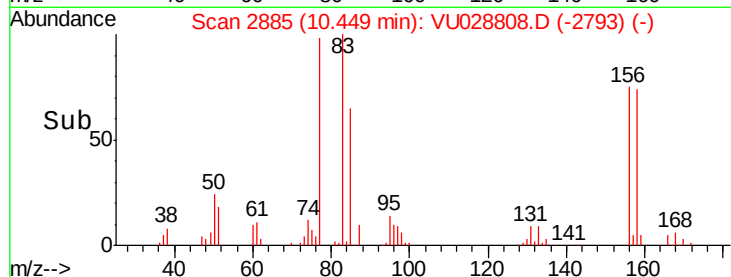
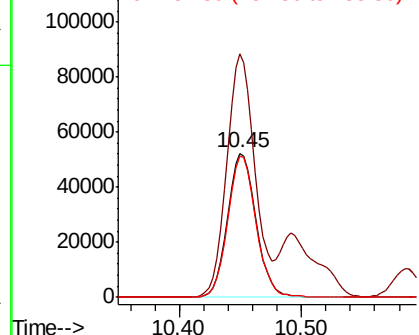
Tot Ion:	156	Resp:	86059
Ion Ratio	Lower	Upper	
156	100		
77	165.5	92.4	277.2
158	97.2	48.4	145.3

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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: 49.081 ug/l

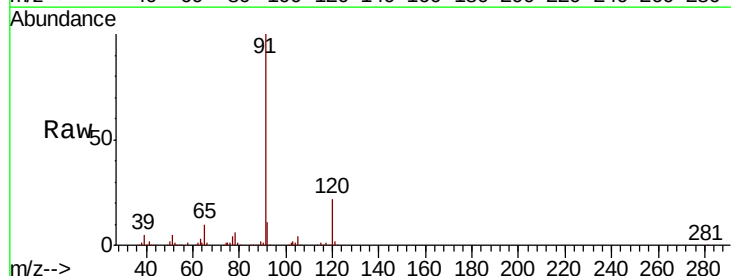
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

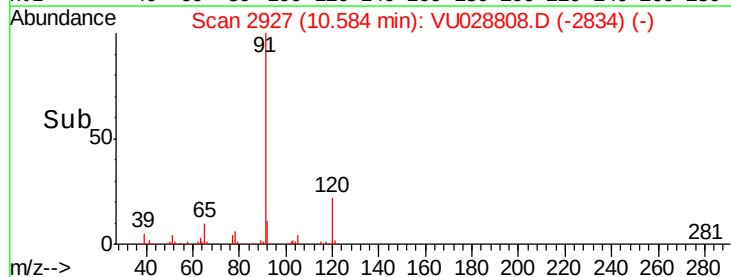
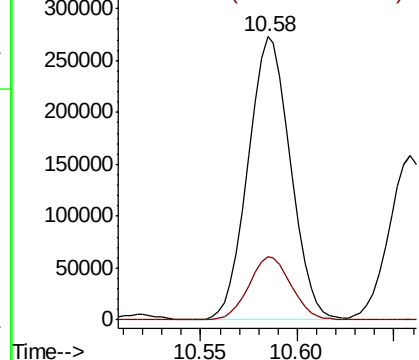
Lab File: VU028808.D

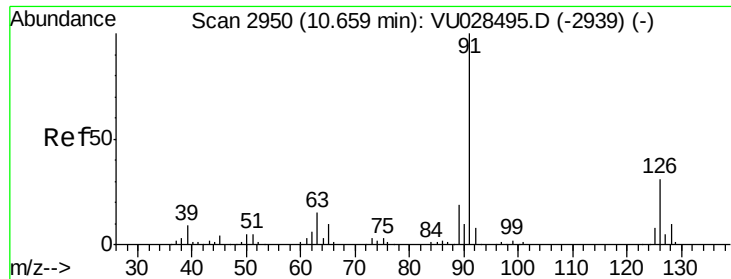
Acq: 19 Dec 2018 20:58

Tgt Ion:	91	Resp:	416819
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





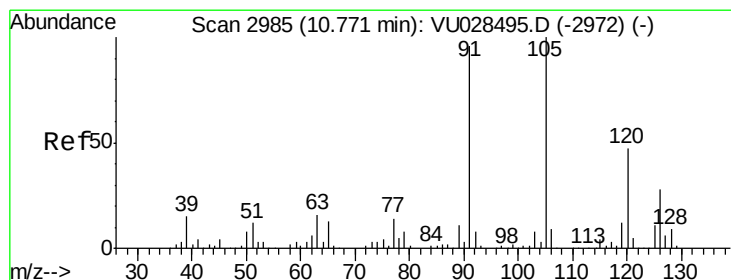
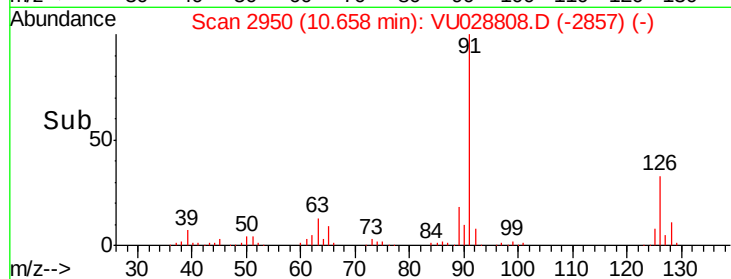
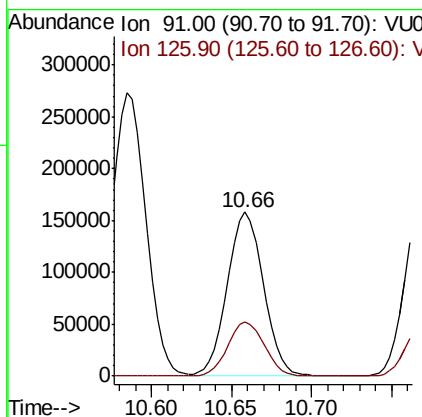
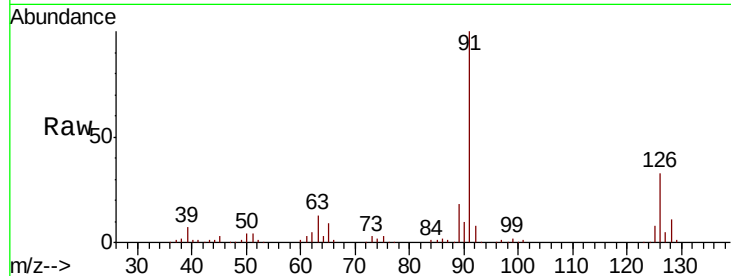
#79
 2-Chlorotoluene
 Concen: 50.162 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 245386
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.6 46.8

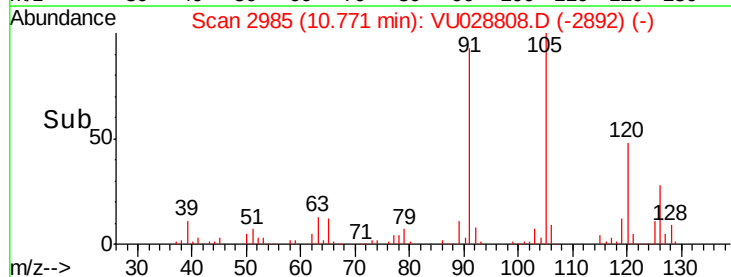
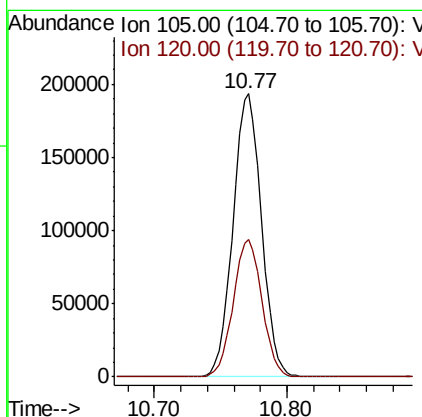
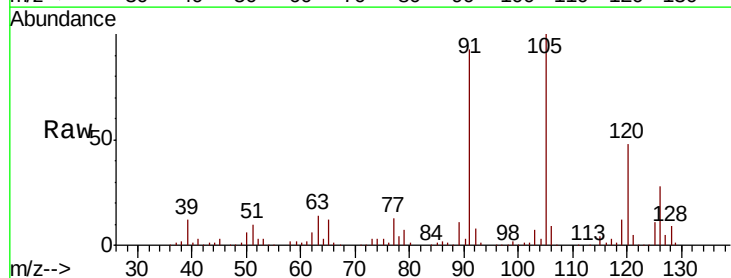
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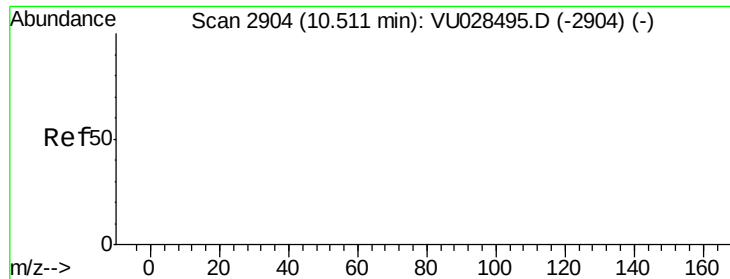
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.043 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion: 105 Resp: 288769
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.752 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028808.D

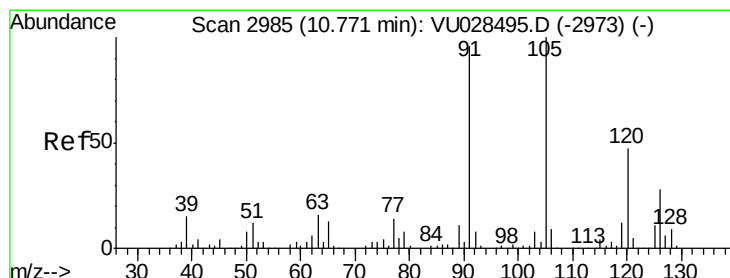
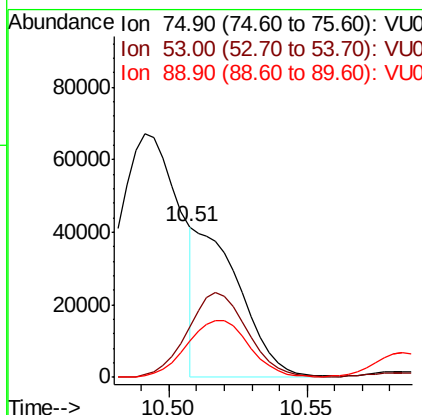
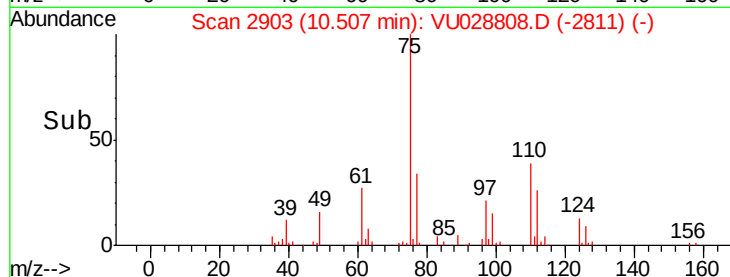
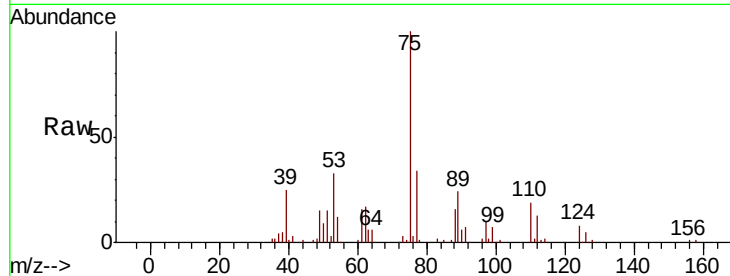
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

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#82

4-Chlorotoluene

Concen: 48.345 ug/l

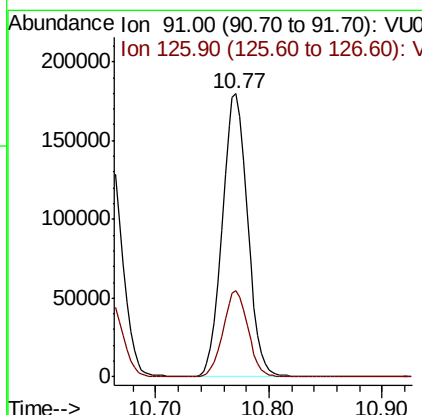
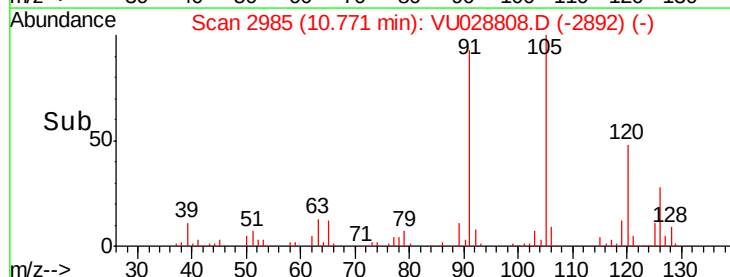
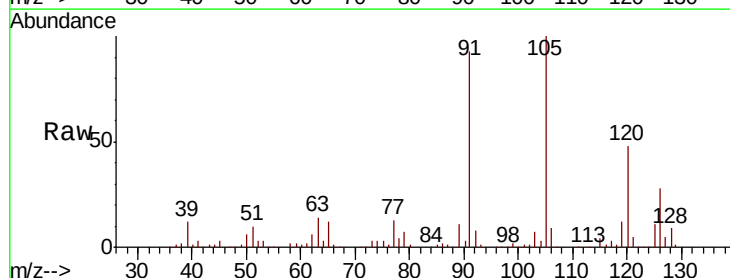
RT: 10.77 min Scan# 2985

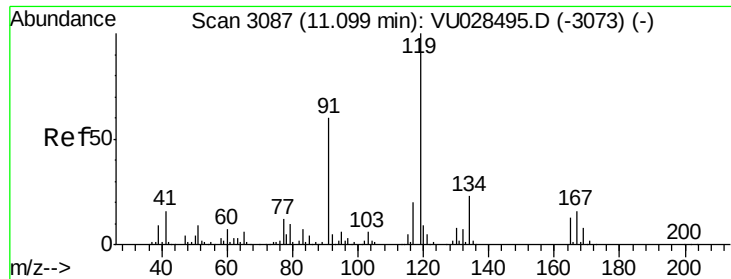
Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.1	42.3





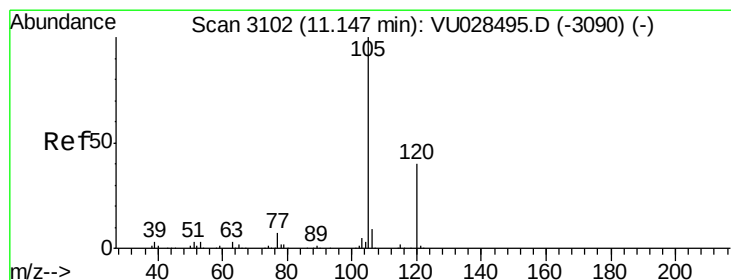
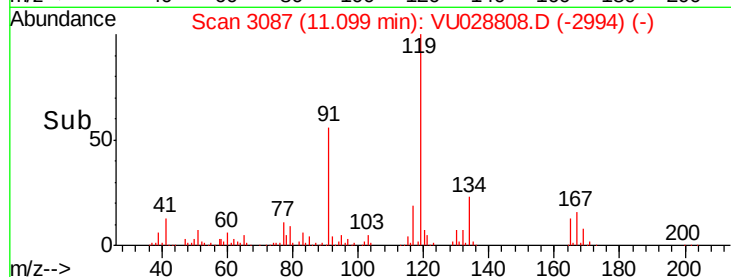
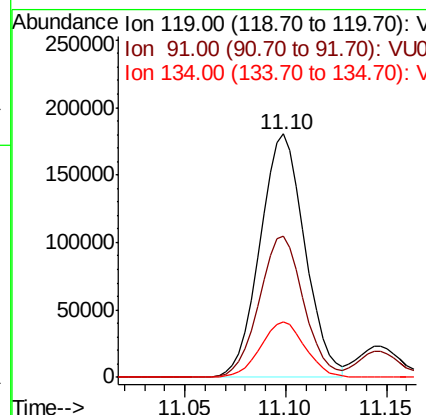
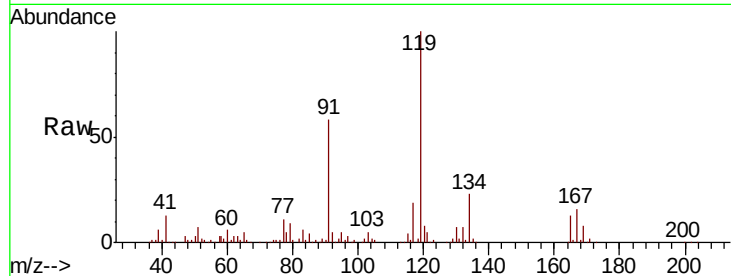
#83
 tert-Butylbenzene
 Concen: 51.293 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279697		
91	57.6	30.3	91.0	
134	22.6	11.2	33.5	

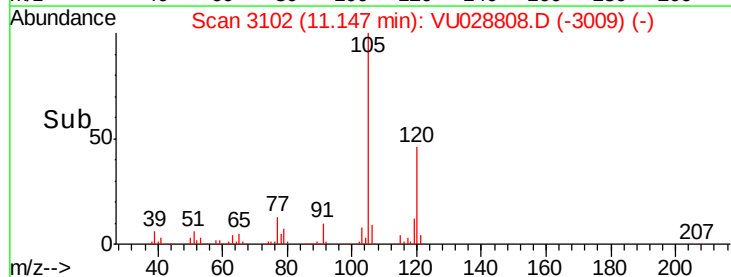
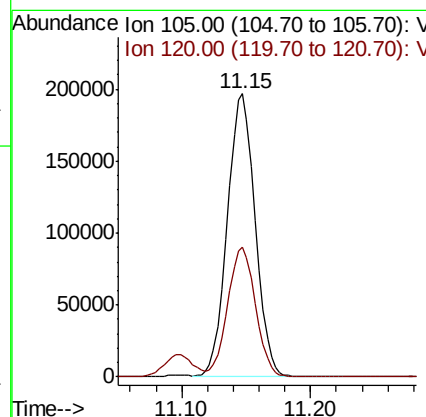
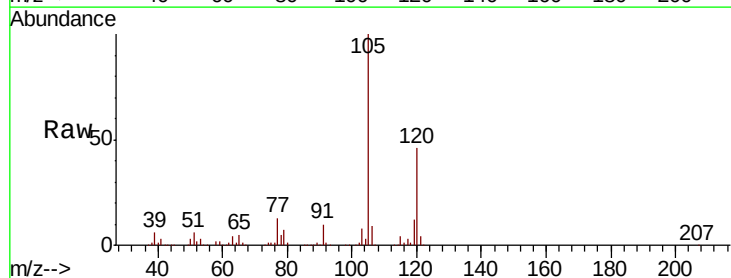
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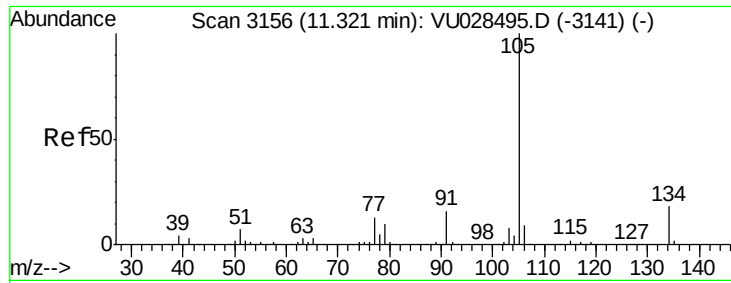
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.460 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294200		
120	46.0	21.8	65.4	





#85

sec-Butylbenzene

Concen: 49.898 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 349550

Ion Ratio Lower Upper

105 100

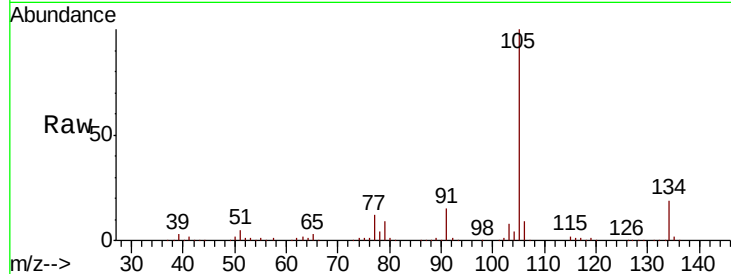
134 19.2 9.2 27.6

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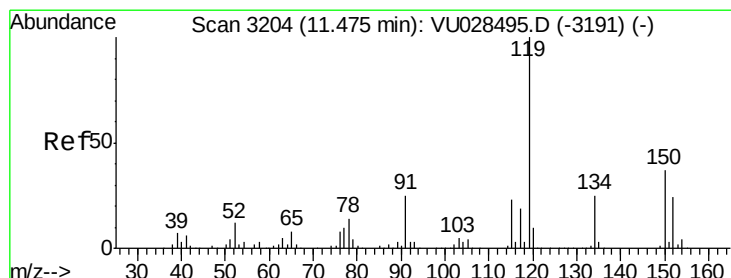
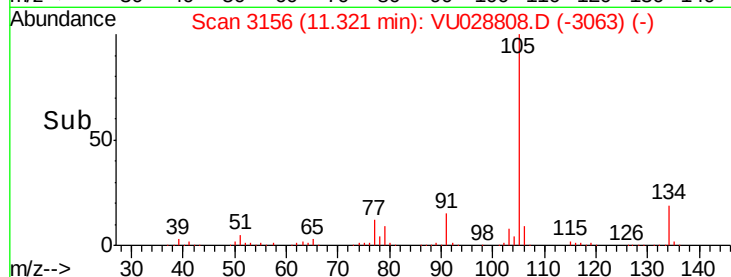
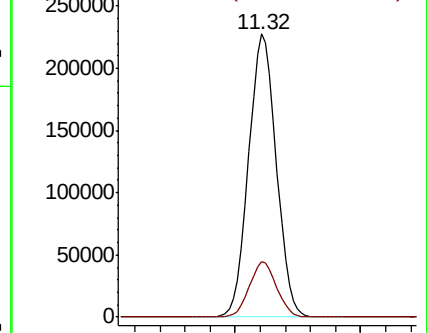
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.963 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028808.D

Acq: 19 Dec 2018 20:58

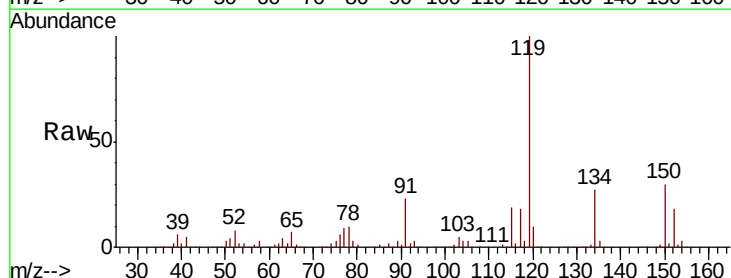
Tgt Ion:119 Resp: 297319

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

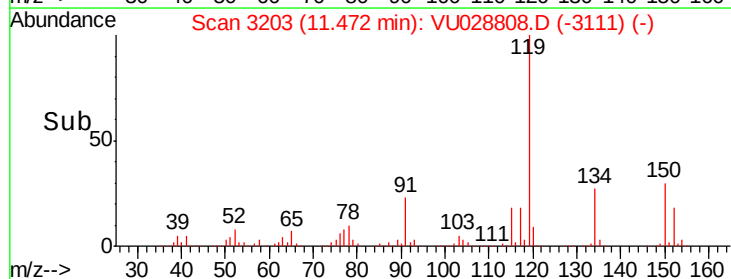
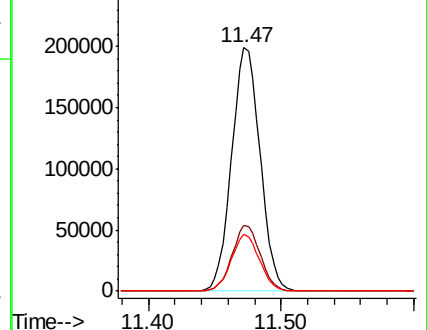
91 22.9 12.6 37.6

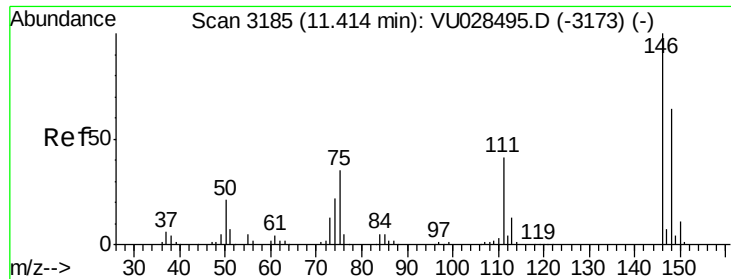


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





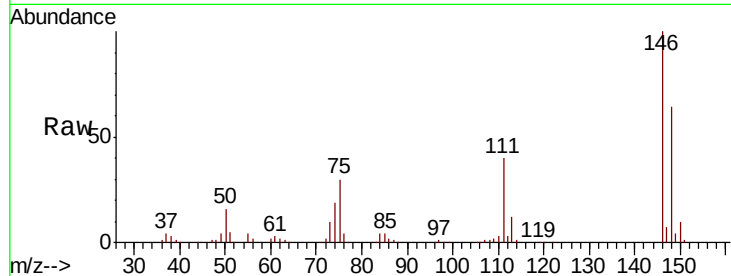
#87
 1,3-Dichlorobenzene
 Concen: 51.854 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

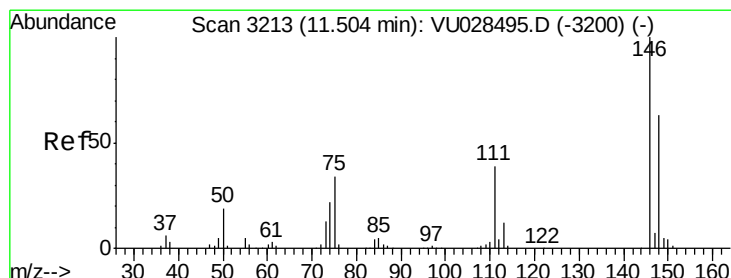
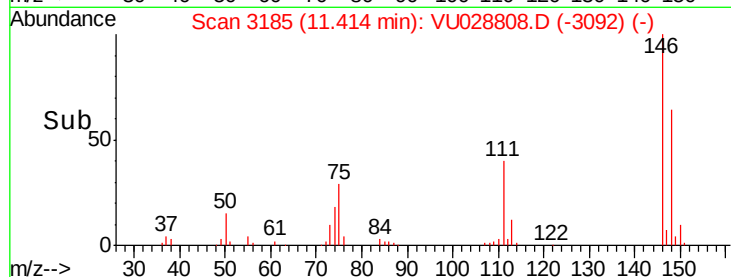
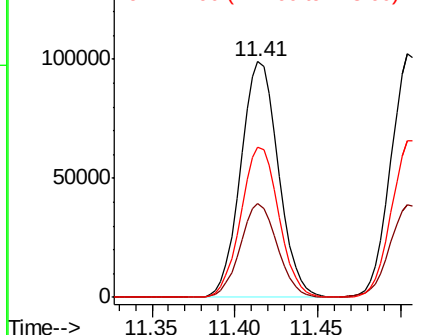
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.7	62.1
148	64.1	31.9	95.7

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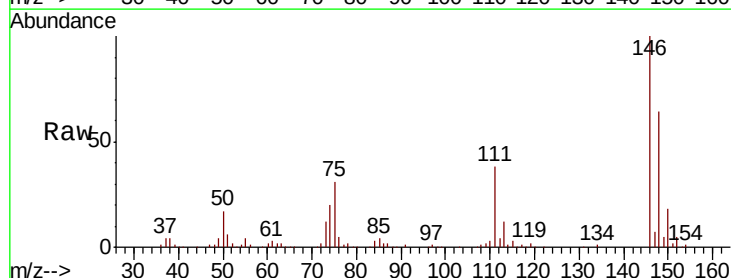


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

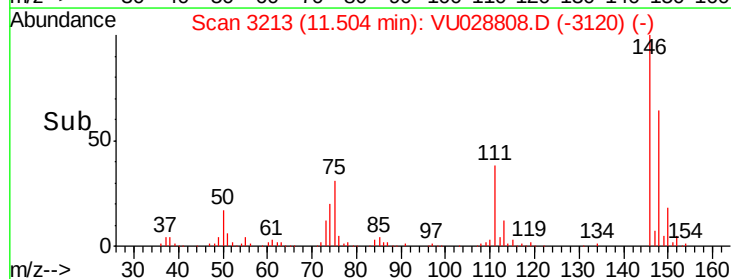
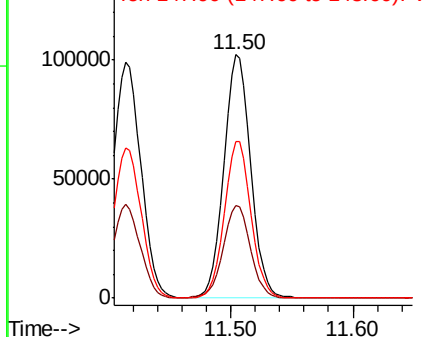


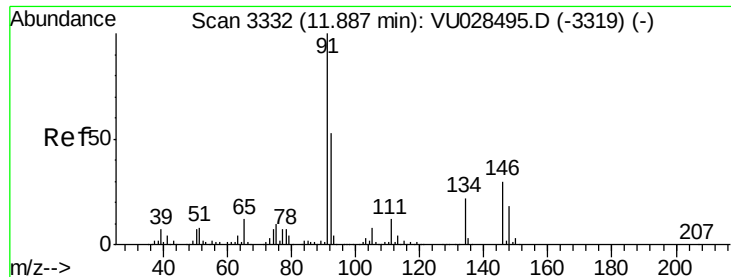
#88
 1,4-Dichlorobenzene
 Concen: 50.724 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.2	60.5
148	63.5	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





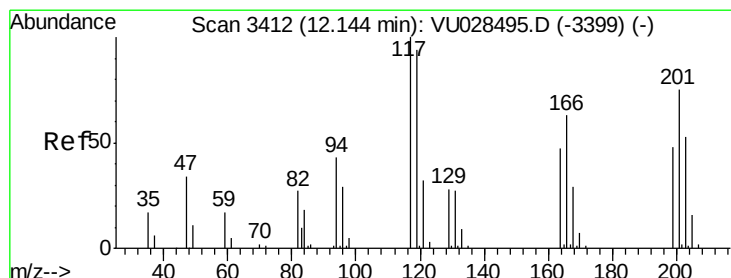
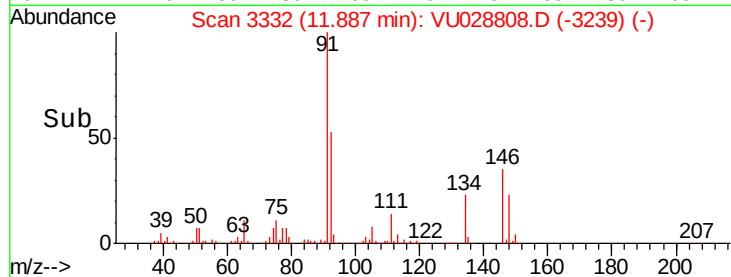
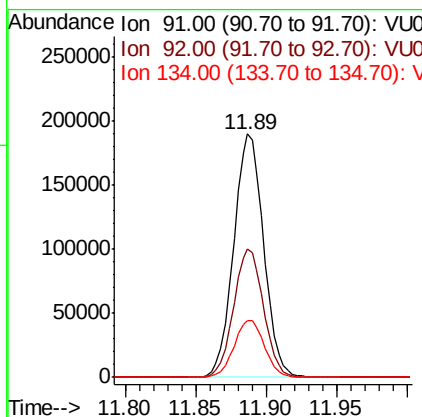
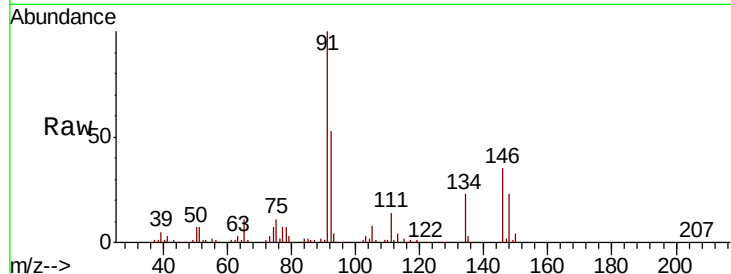
#89
n-Butylbenzene
Concen: 46.723 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	23.8	11.3	33.8

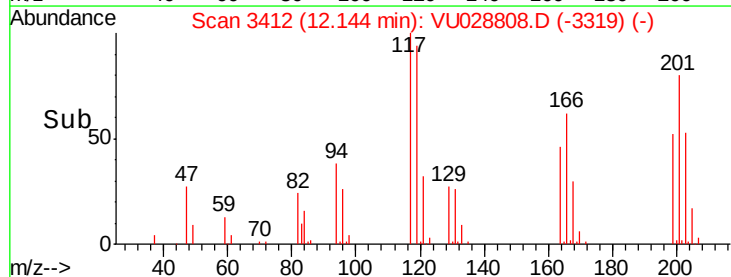
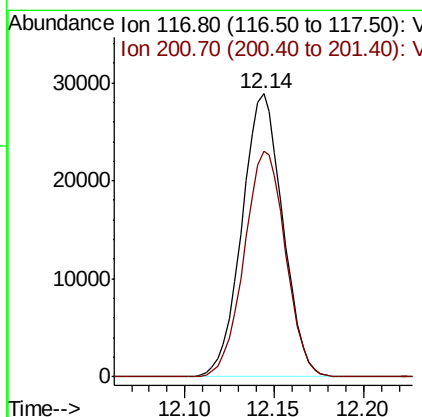
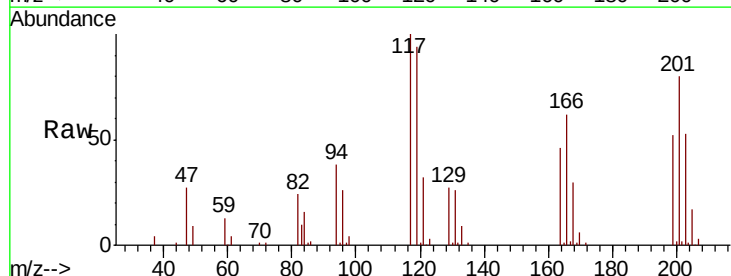
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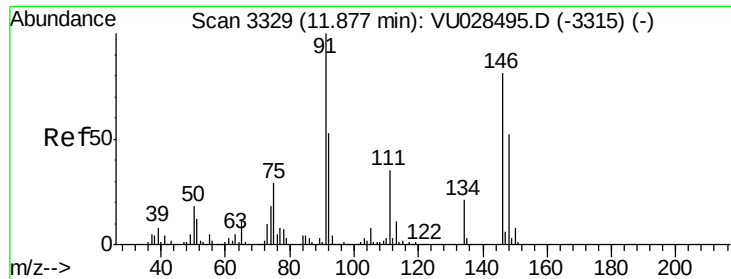
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#90
Hexachloroethane
Concen: 51.430 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	38.1	114.5





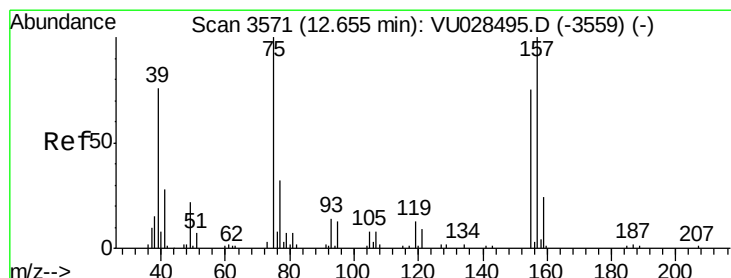
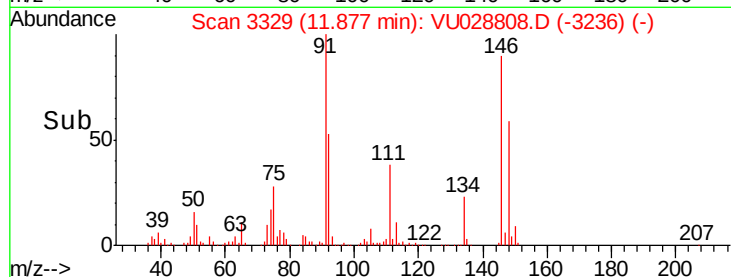
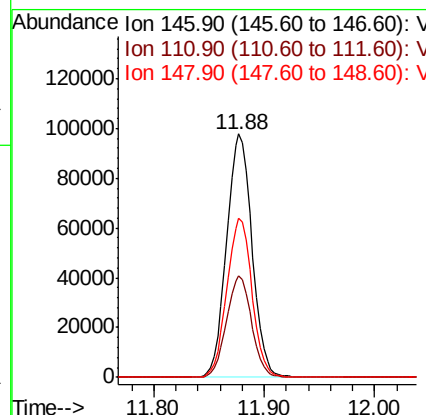
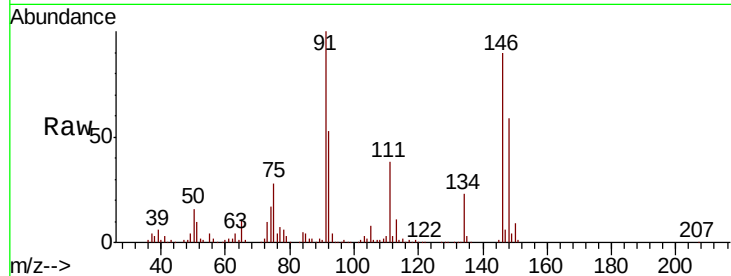
#91
 1,2-Dichlorobenzene
 Concen: 51.795 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	64.6	31.4	94.2

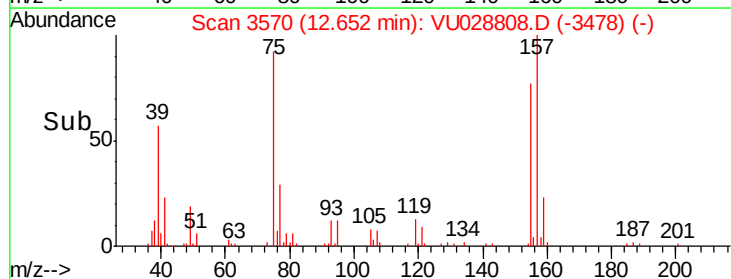
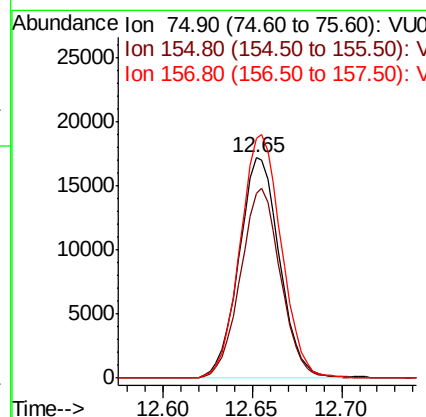
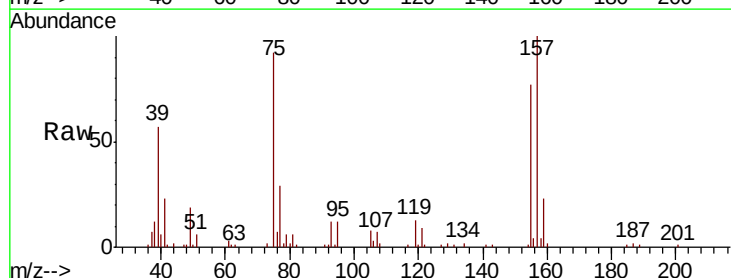
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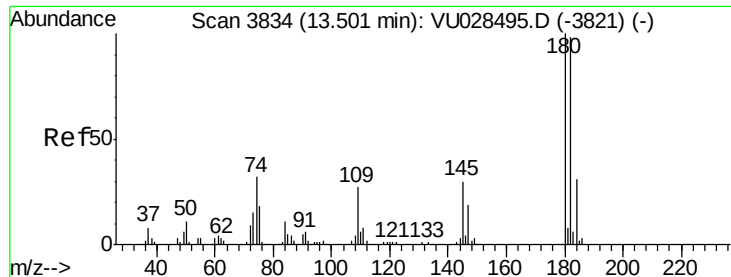
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.198 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	38.1	114.5
157	111.8	48.7	146.1





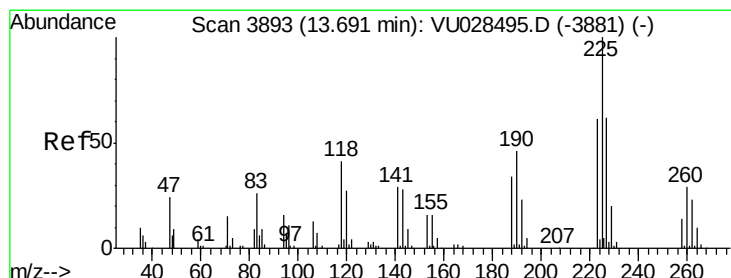
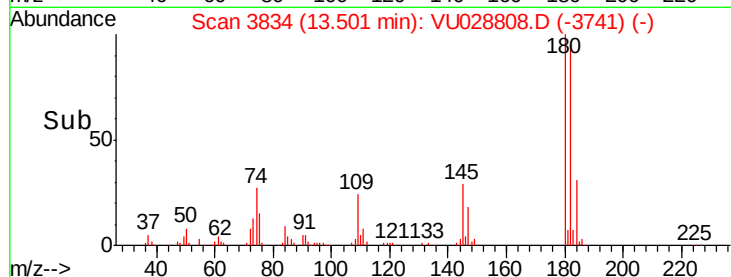
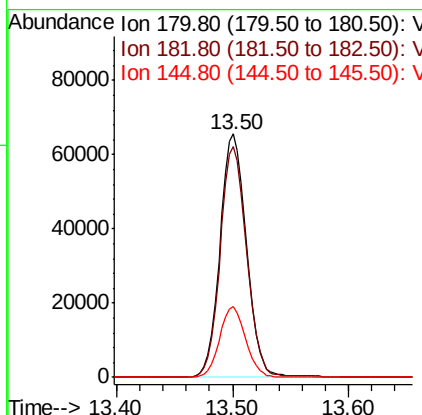
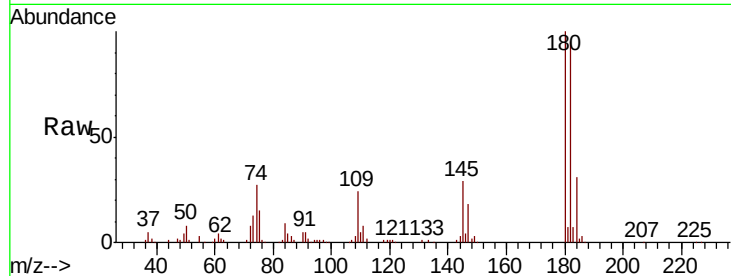
#93
 1,2,4-Trichlorobenzene
 Concen: 50.031 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	28.5	15.0	45.1

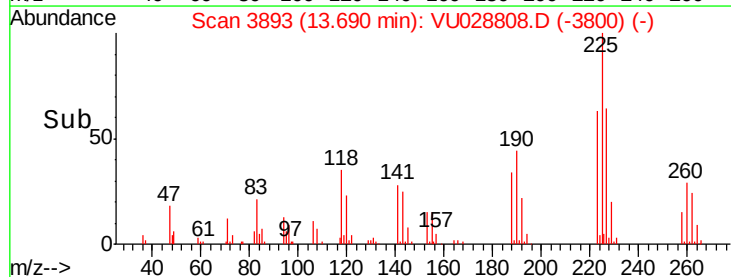
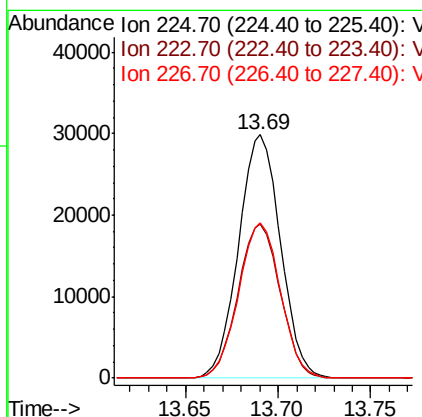
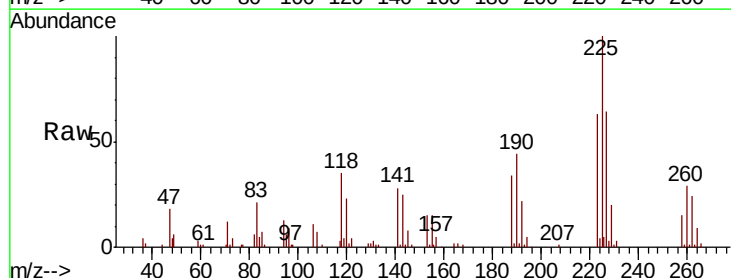
Manual Integrations
 APPROVED

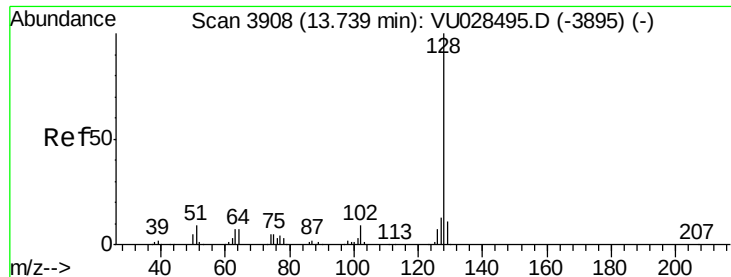
MMDadoda
 12/20/2018 8:58:51 AM



#94
 Hexachlorobutadiene
 Concen: 47.243 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028808.D
 Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.4	91.2
227	63.9	30.7	92.1





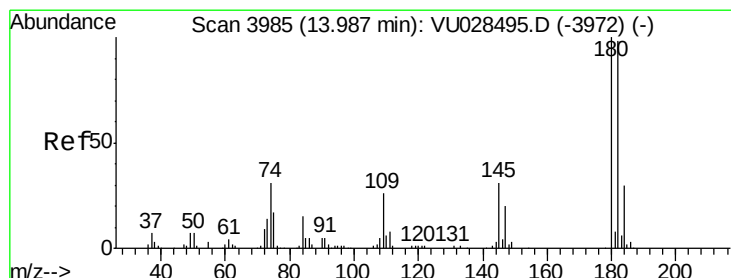
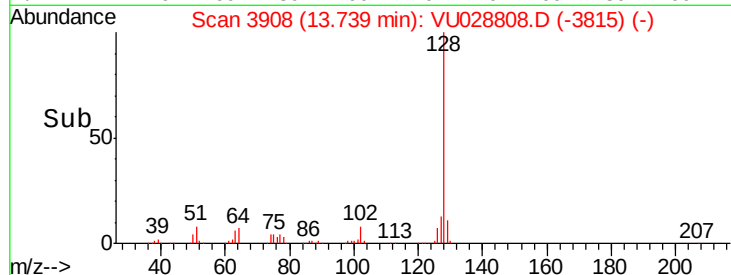
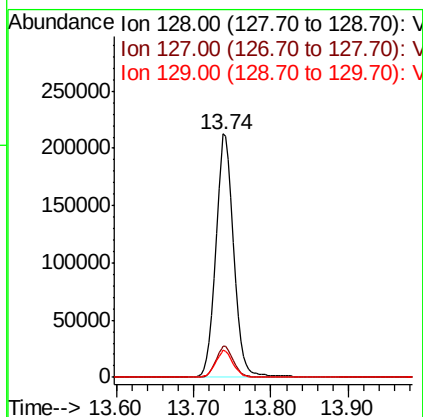
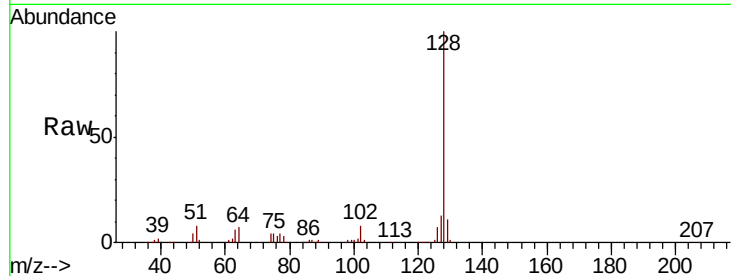
#95
Naphthalene
Concen: 48.595 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 8:58:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.855 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028808.D
Acq: 19 Dec 2018 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.2	144.6
145	30.9	15.8	47.3

