

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052850.D
 Acq On : 13 Dec 2018 1:34
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:48 PM

Quant Time: Dec 13 05:41:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	958798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1519053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1362414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	646618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	535833	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
35) Dibromofluoromethane	7.59	113	434188	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.09	98	1881123	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	645537	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	512807	51.957	ug/l	98
3) Chloromethane	2.06	50	606257	51.179	ug/l	100
4) Vinyl Chloride	2.19	62	612719	51.701	ug/l	100
5) Bromomethane	2.57	94	347106	47.487	ug/l	100
6) Chloroethane	2.71	64	356470	50.888	ug/l	99
7) Trichlorofluoromethane	3.02	101	752951	51.246	ug/l	100
8) Diethyl Ether	3.41	74	287805	53.698	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	465165	51.083	ug/l	100
10) Methyl Iodide	3.96	142	656462	51.477	ug/l	100
11) Tert butyl alcohol	4.78	59	149417	262.302	ug/l	100
12) 1,1-Dichloroethene	3.74	96	453818	51.482	ug/l	99
13) Acrolein	3.61	56	110861	206.708	ug/l	99
14) Allyl chloride	4.33	41	710631	49.355	ug/l	99
15) Acrylonitrile	4.99	53	870728	272.467	ug/l	100
16) Acetone	3.82	43	647559	282.818	ug/l	97
17) Carbon Disulfide	4.06	76	1357368	50.124	ug/l	100
18) Methyl Acetate	4.32	43	448949	53.427	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1253589	52.383	ug/l	100
20) Methylene Chloride	4.55	84	522280	50.687	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	487239	51.018	ug/l	99
22) Diisopropyl ether	5.95	45	1604669	52.241	ug/l	99
23) Vinyl Acetate	5.90	43	4848226	265.255	ug/l	98
24) 1,1-Dichloroethane	5.85	63	924789	52.208	ug/l	100
25) 2-Butanone	6.83	43	919755	258.885	ug/l	99
26) 2,2-Dichloropropane	6.83	77	556373	42.652	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	561566	51.809	ug/l	98
28) Bromochloromethane	7.20	49	376240	47.301	ug/l	100
29) Tetrahydrofuran	7.21	42	649461	267.773	ug/l	99
30) Chloroform	7.37	83	894295	51.773	ug/l	99
31) Cyclohexane	7.65	56	870117	50.371	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	746252	51.636	ug/l	100
36) 1,1-Dichloropropene	7.80	75	700937	50.108	ug/l	99
37) Ethyl Acetate	6.93	43	434972	51.762	ug/l	98
38) Carbon Tetrachloride	7.78	117	645364	50.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	840980	48.990	ug/l	99
40) Benzene	8.04	78	2109832	50.253	ug/l	99
41) Methacrylonitrile	7.18	41	246470	52.935	ug/l	96
42) 1,2-Dichloroethane	8.13	62	629996	49.843	ug/l	99
43) Isopropyl Acetate	8.17	43	830759	48.218	ug/l	99
44) Trichloroethene	8.84	130	562813	49.629	ug/l	97
45) 1,2-Dichloropropane	9.12	63	556610	50.616	ug/l	99
46) Dibromomethane	9.21	93	321457	50.405	ug/l	99
47) Bromodichloromethane	9.40	83	678978	51.340	ug/l	100
48) Methyl methacrylate	9.20	41	398752	52.774	ug/l	99
49) 1,4-Dioxane	9.20	88	91296	1064.497	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2103175	266.214	ug/l	99
52) Toluene	10.16	92	1386641	54.531	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	679735	51.077	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	792906	49.999	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	463915	51.108	ug/l	98
56) Ethyl methacrylate	10.43	69	617816	53.035	ug/l	99
57) 1,3-Dichloropropane	10.71	76	793042	50.947	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1753818	269.819	ug/l	100
59) 2-Hexanone	10.75	43	1391876	257.077	ug/l	100
60) Dibromochloromethane	10.90	129	511774	52.167	ug/l	100
61) 1,2-Dibromoethane	11.01	107	463429	51.650	ug/l	100
64) Tetrachloroethene	10.63	164	595448	50.851	ug/l	100
65) Chlorobenzene	11.44	112	1406361	49.756	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	496775	50.535	ug/l	100
67) Ethyl Benzene	11.51	91	2467938	50.843	ug/l	100
68) m/p-Xylenes	11.62	106	1860938	102.102	ug/l	100
69) o-Xylene	11.95	106	910687	51.169	ug/l	99
70) Styrene	11.96	104	1496303	52.299	ug/l	99
71) Bromoform	12.13	173	346445	51.876	ug/l #	99
73) Isopropylbenzene	12.25	105	2440043	50.541	ug/l	100
74) N-amyl acetate	12.07	43	713310	53.816	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	530354	49.016	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	473268m	49.608	ug/l	
77) Bromobenzene	12.53	156	607931	49.508	ug/l	100
78) n-propylbenzene	12.59	91	2759487	50.117	ug/l	100
79) 2-Chlorotoluene	12.68	91	1613355	49.563	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1957033	50.215	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	150537	50.691	ug/l	99
82) 4-Chlorotoluene	12.77	91	1640685	49.297	ug/l	100
83) tert-Butylbenzene	12.99	119	1703629	49.554	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1982930	50.258	ug/l	99
85) sec-Butylbenzene	13.17	105	2306770	49.545	ug/l	99
86) p-Isopropyltoluene	13.29	119	2008423	49.790	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1072811	49.163	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1059110	49.010	ug/l	100
89) n-Butylbenzene	13.62	91	1672429	49.250	ug/l	100
90) Hexachloroethane	13.88	117	335682	49.697	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1036971	49.401	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85620	52.495	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	572980	50.216	ug/l	99
94) Hexachlorobutadiene	15.01	225	305195	46.210	ug/l	99
95) Naphthalene	15.13	128	1264274	53.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	537137	51.303	ug/l	100

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

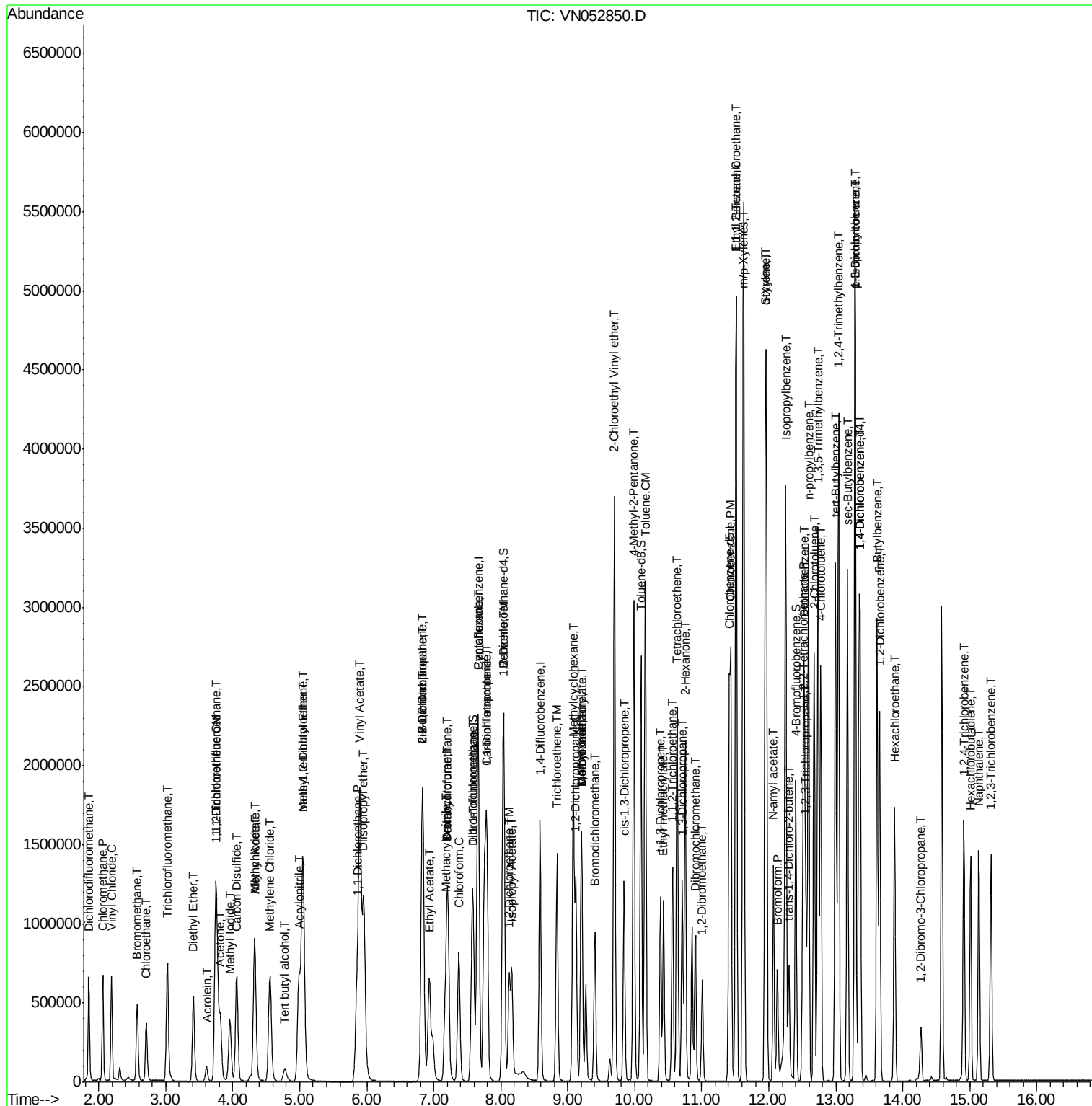
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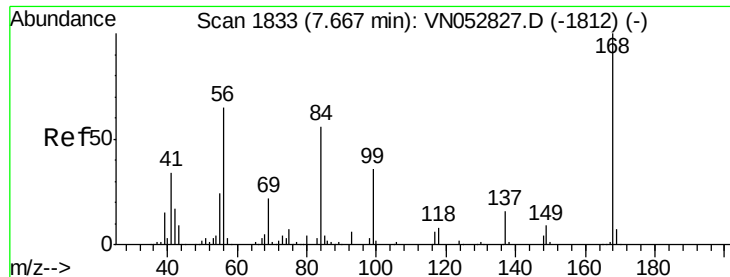
Instrument :
MSVOA_N
ClientSampleId :
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MMDadoda
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 958798

Ion Ratio Lower Upper

168 100

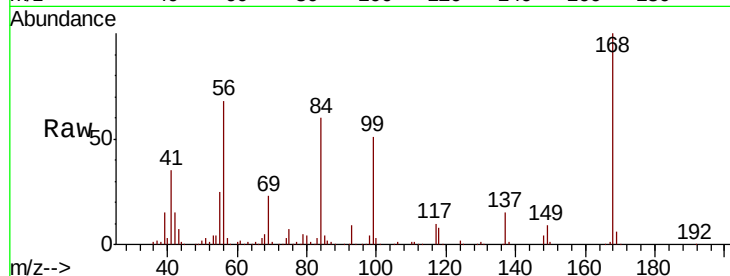
99 50.8 40.2 60.2

Manual Integrations

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12/13/2018 1:36:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

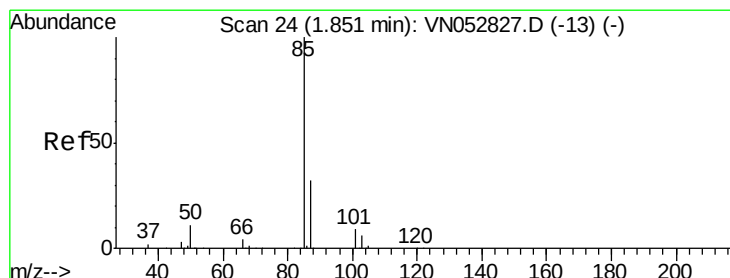
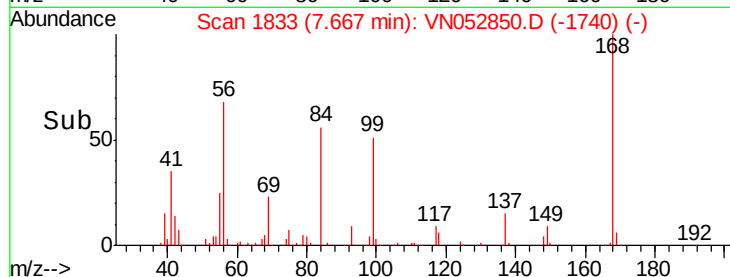
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.957 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052850.D

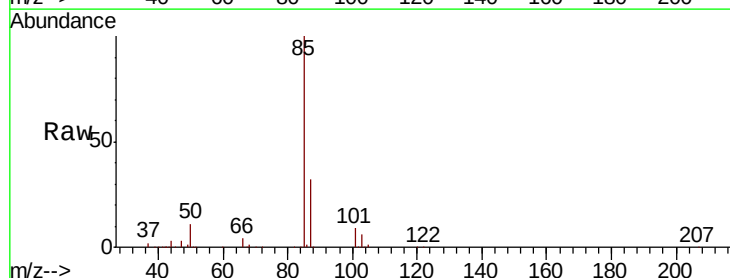
Acq: 13 Dec 2018 1:34

Tgt Ion: 85 Resp: 512807

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

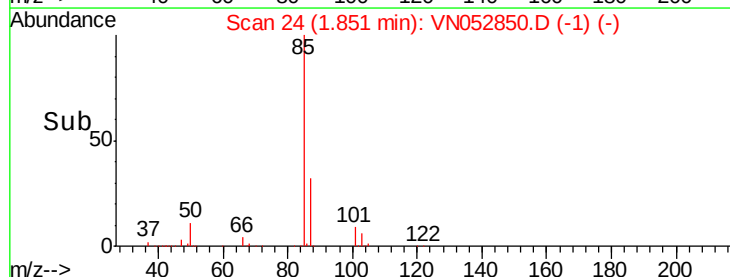
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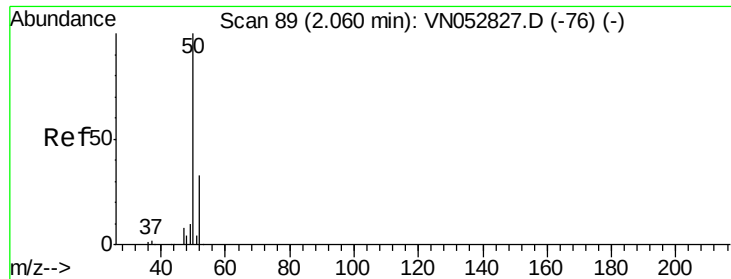
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100000

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Time-->





#3

Chloromethane

Concen: 51.179 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 606257

Ion Ratio Lower Upper

50 100

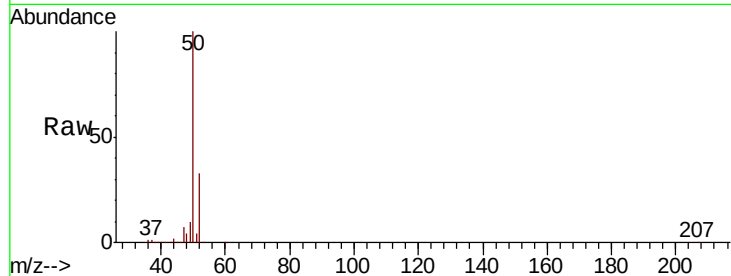
52 33.0 26.2 39.4

Manual Integrations

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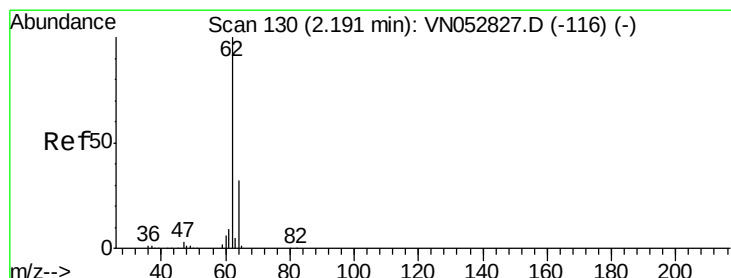
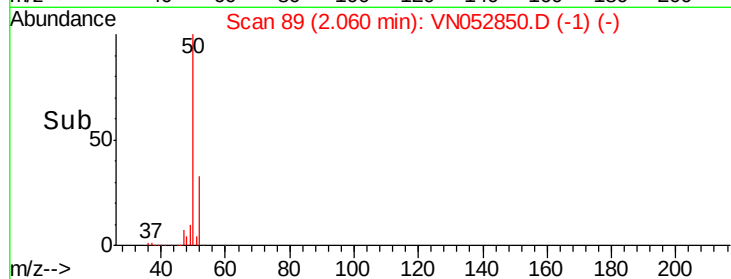
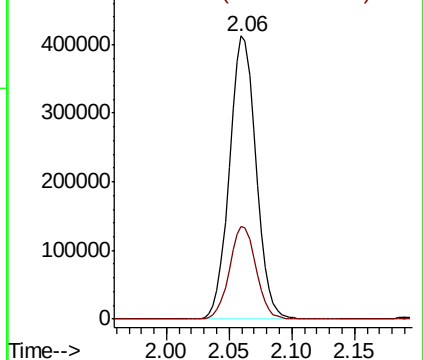
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.701 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052850.D

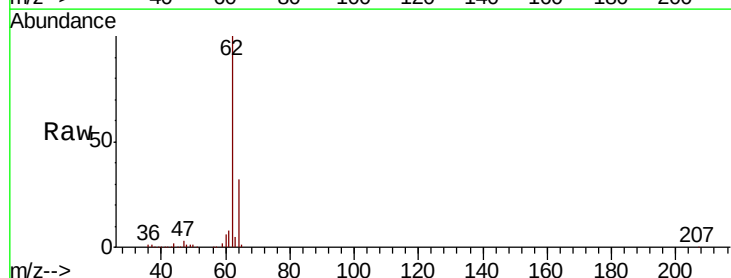
Acq: 13 Dec 2018 1:34

Tgt Ion: 62 Resp: 612719

Ion Ratio Lower Upper

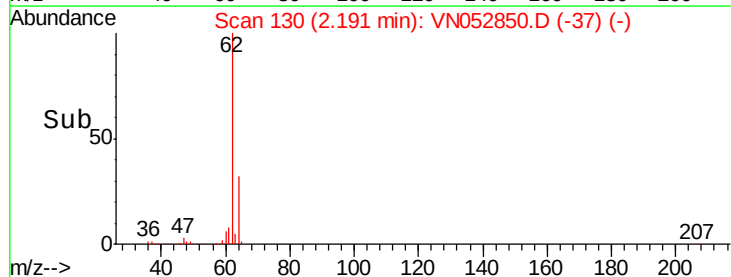
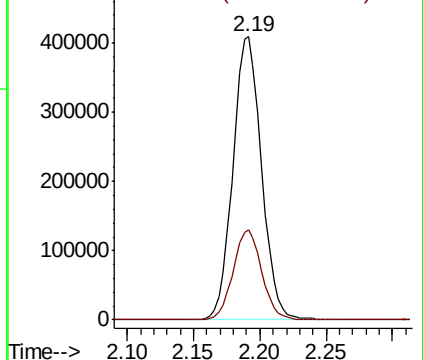
62 100

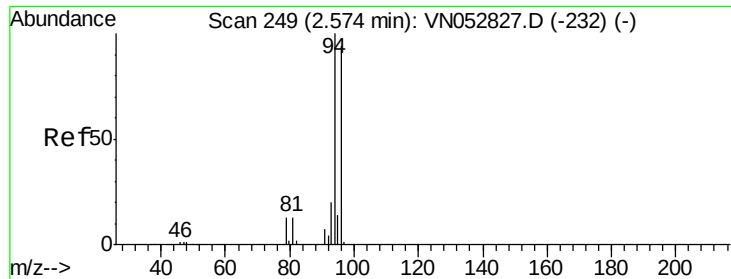
64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.487 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 347106

Ion Ratio Lower Upper

94 100

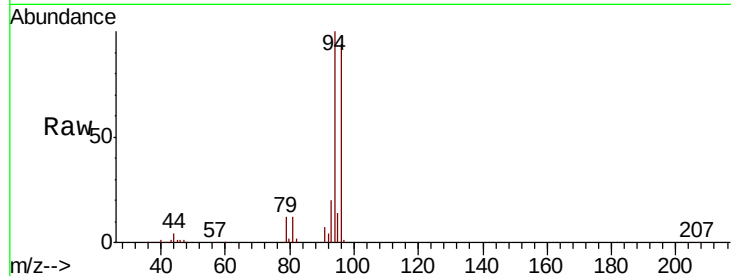
96 93.7 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

200000

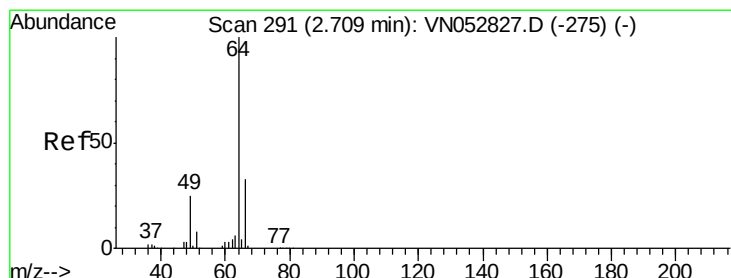
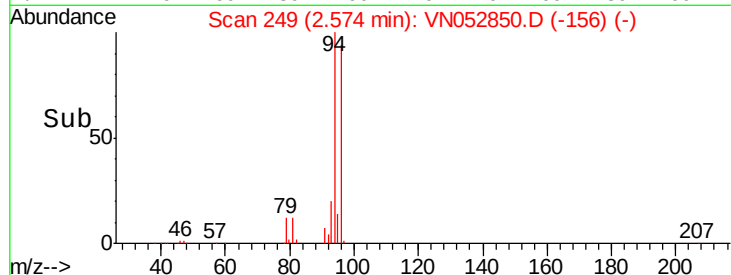
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50000

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Time-->



#6

Chloroethane

Concen: 50.888 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052850.D

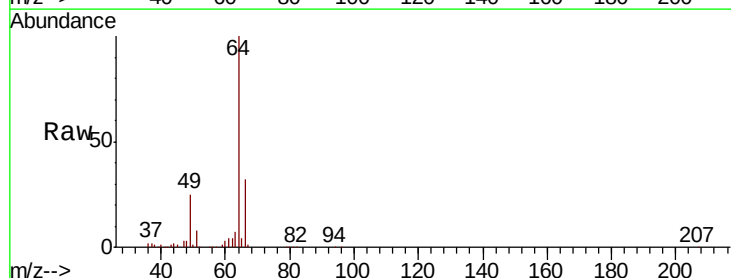
Acq: 13 Dec 2018 1:34

Tgt Ion: 64 Resp: 356470

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

200000

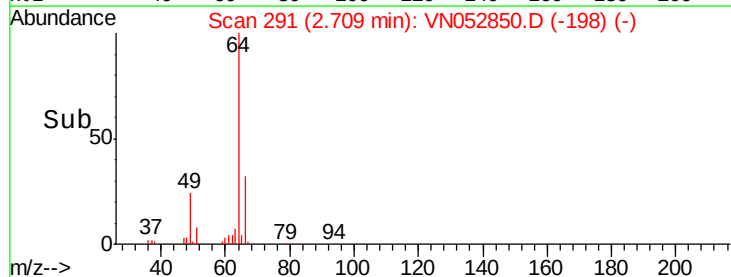
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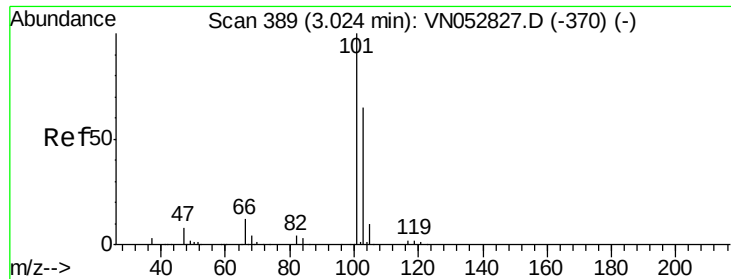
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0

Time-->





#7

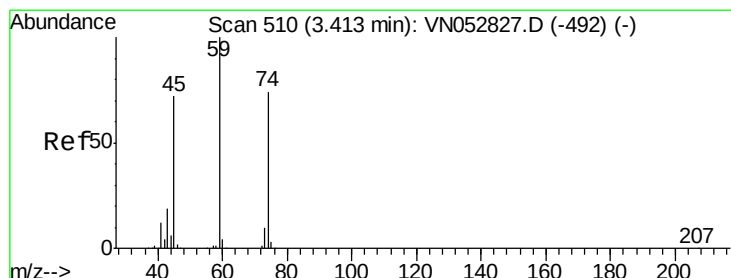
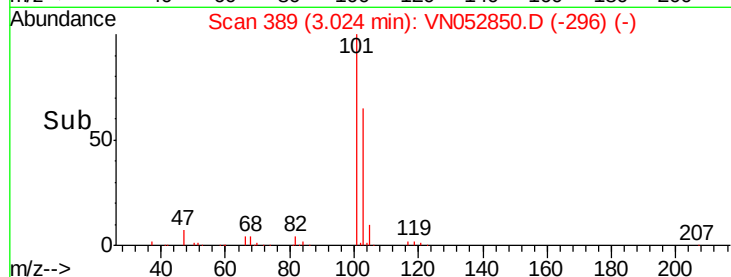
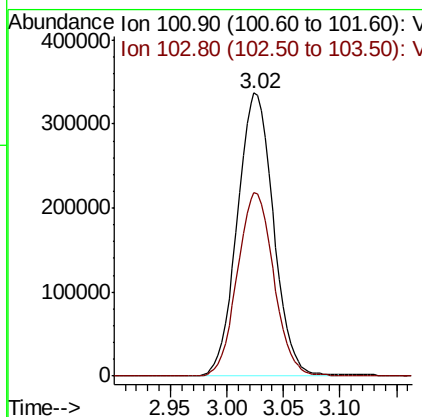
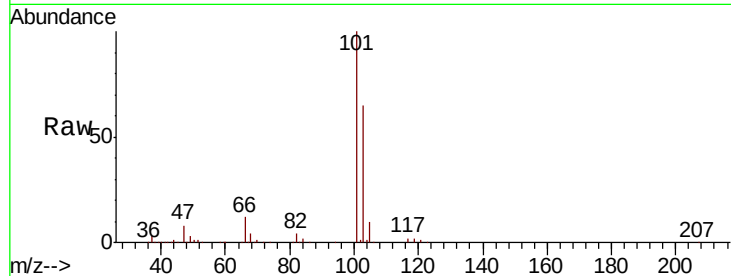
Trichlorofluoromethane
 Concen: 51.246 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

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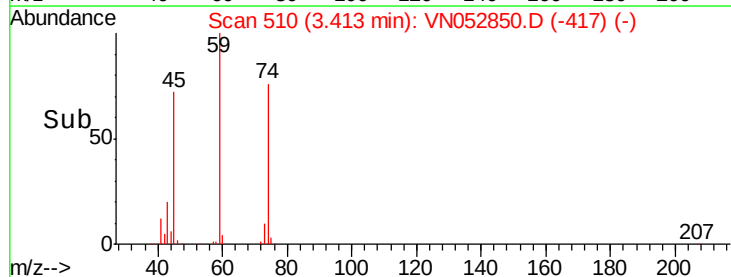
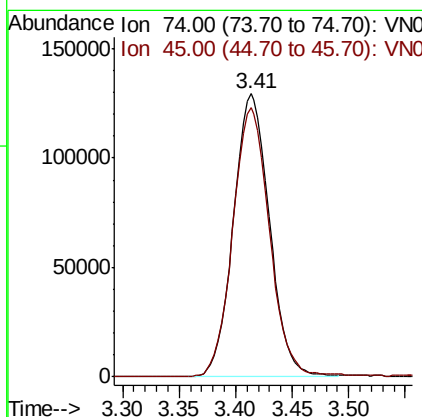
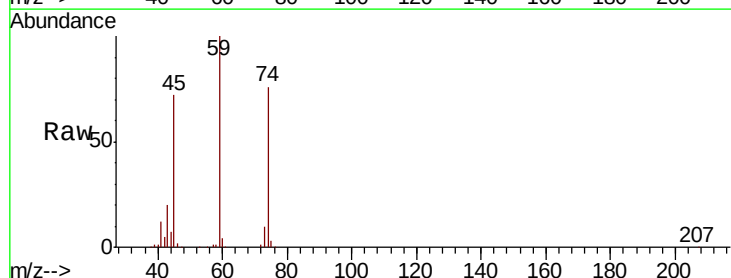
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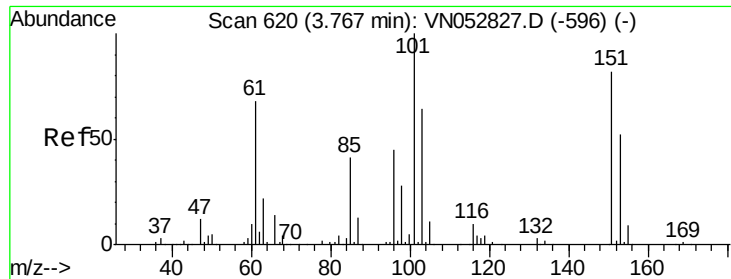


#8

Diethyl Ether
 Concen: 53.698 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052850.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	49.4	148.0





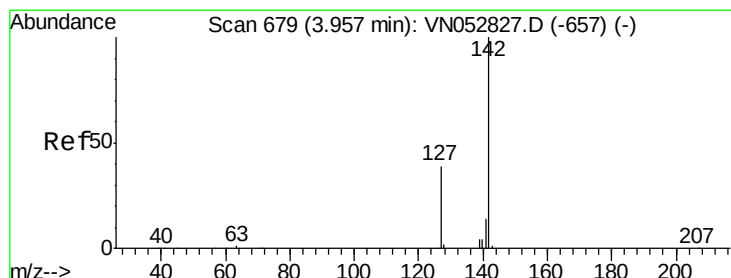
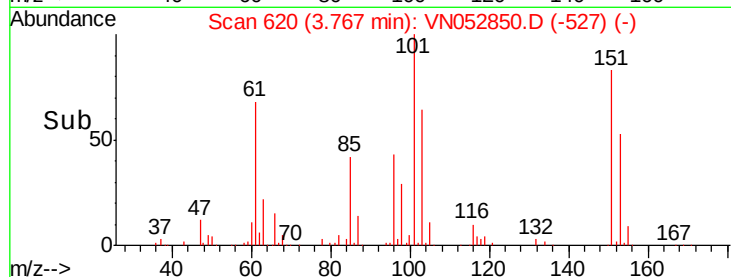
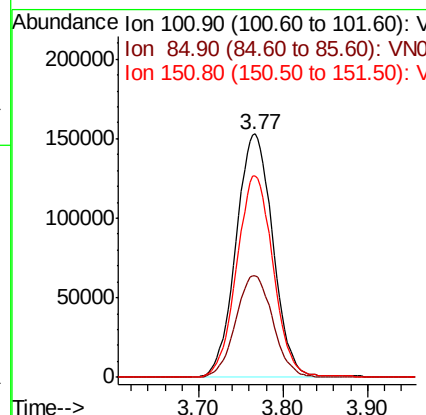
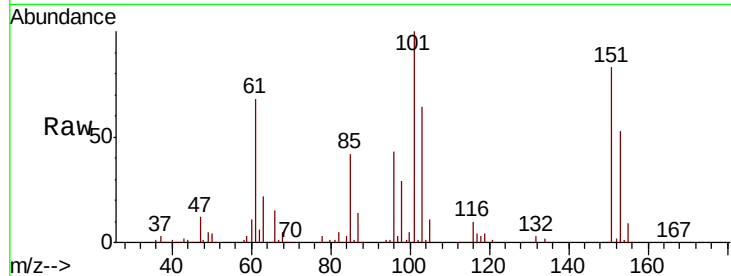
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.083 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	465165		
85	42.1	33.6	50.4	
151	82.2	65.5	98.3	

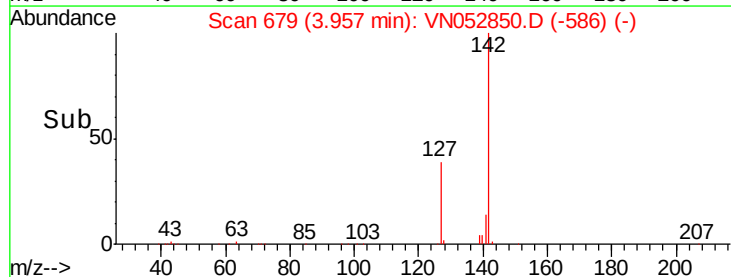
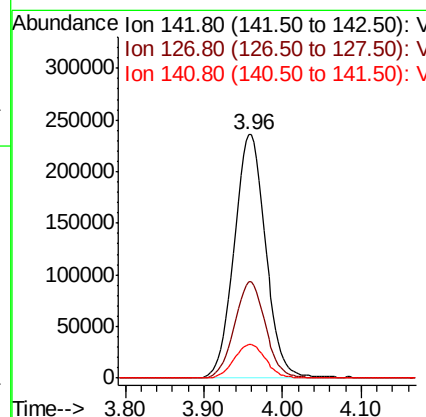
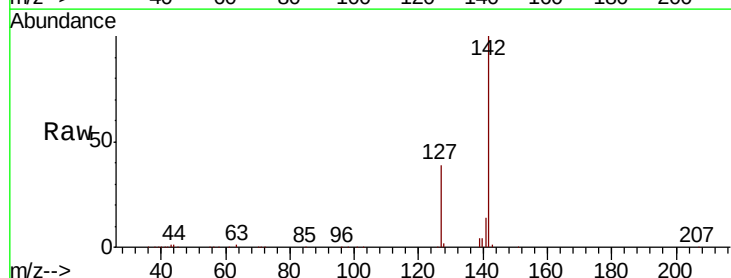
Manual Integrations
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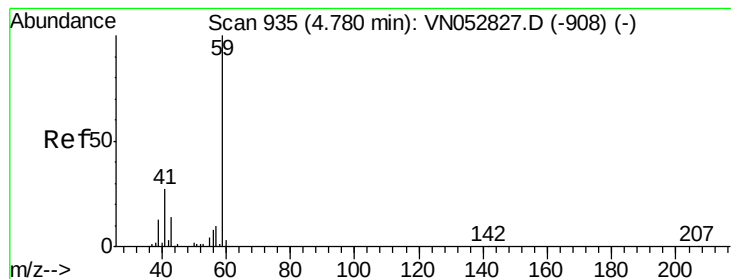
MMDadoda
 12/13/2018 1:36:48 PM



#10
 Methyl Iodide
 Concen: 51.477 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	656462		
127	39.1	31.0	46.6	
141	14.0	11.2	16.8	





#11

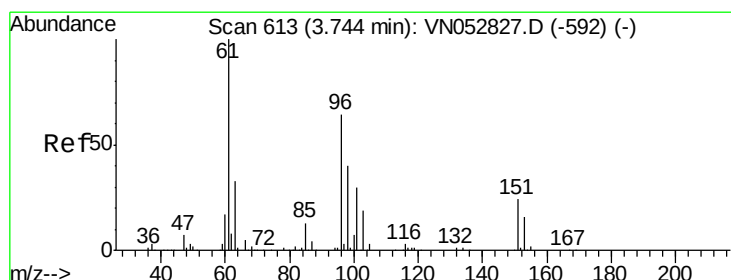
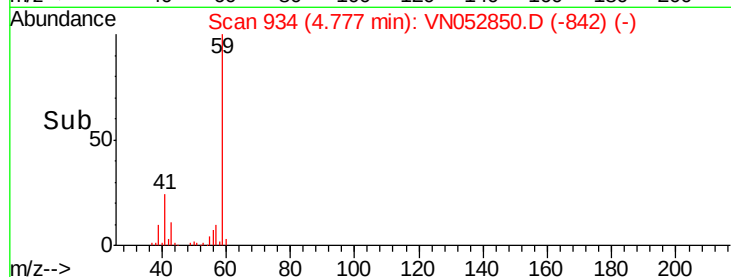
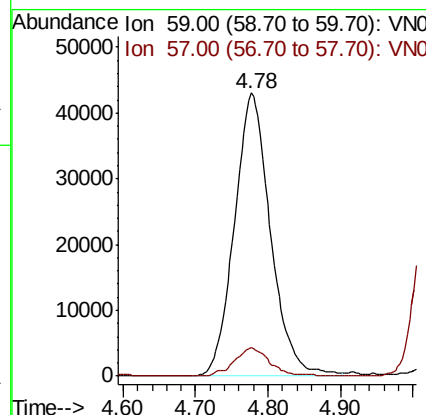
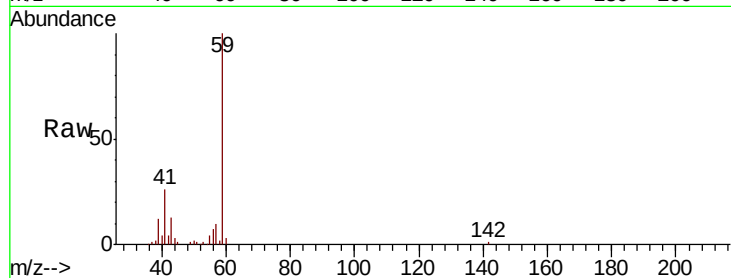
Tert butyl alcohol
 Concen: 262.302 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	149417
Ion Ratio	100	Lower	Upper
57	9.8	7.7	11.5

Manual Integrations
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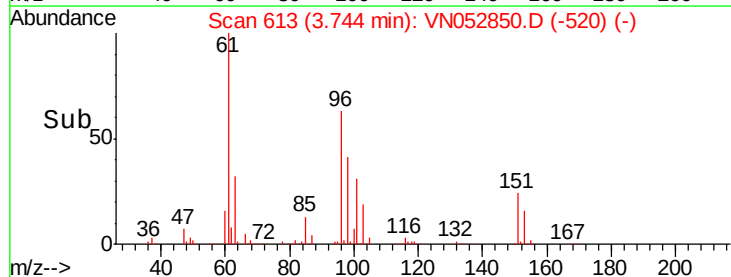
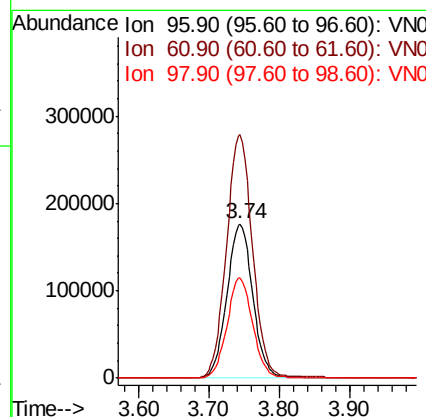
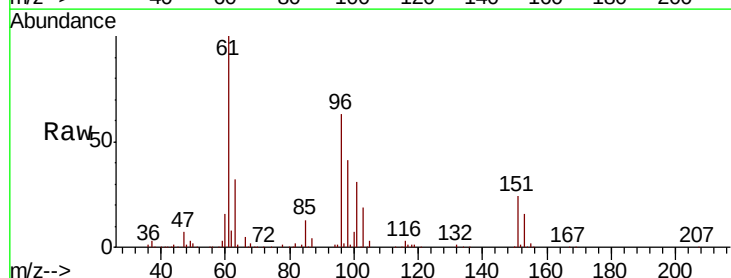
MMDadoda
 12/13/2018 1:36:48 PM

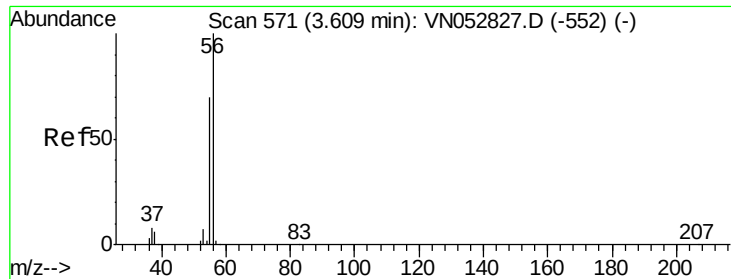


#12

1,1-Dichloroethene
 Concen: 51.482 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion	96	Resp	453818
Ion Ratio	100	Lower	Upper
61	157.9	125.6	188.4
98	65.3	50.6	75.8





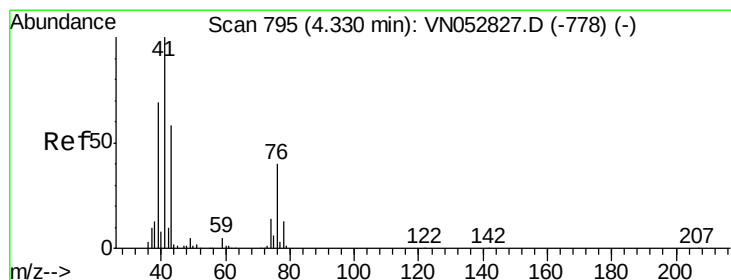
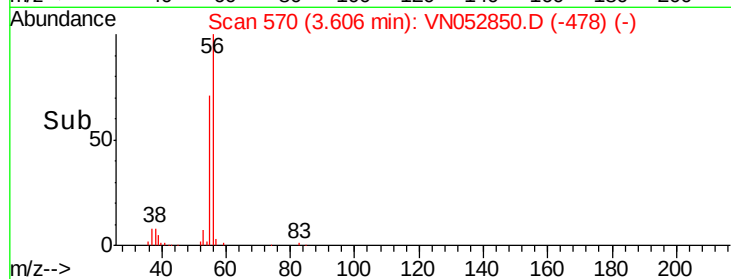
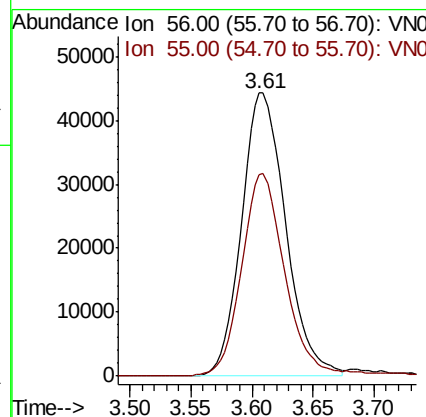
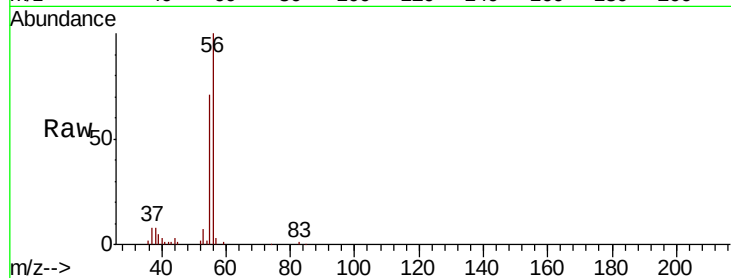
#13
Acrolein
Concen: 206.708 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	110861
Ion Ratio	Lower	Upper	
56	100		
55	70.2	56.6	85.0

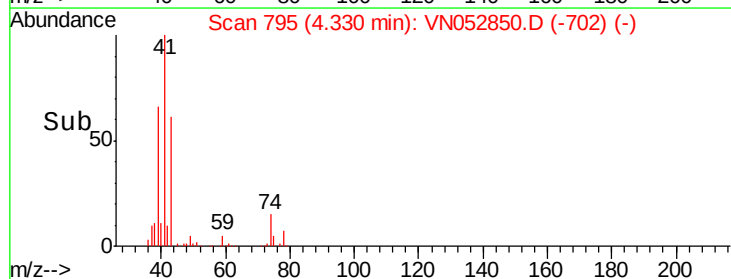
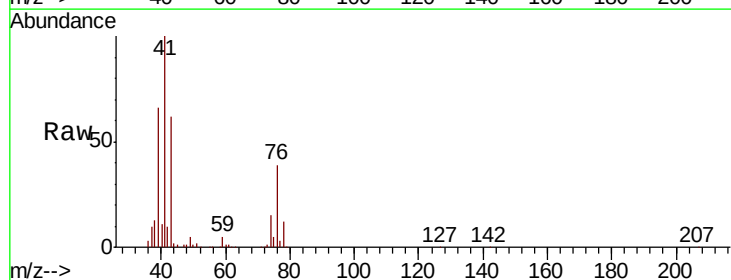
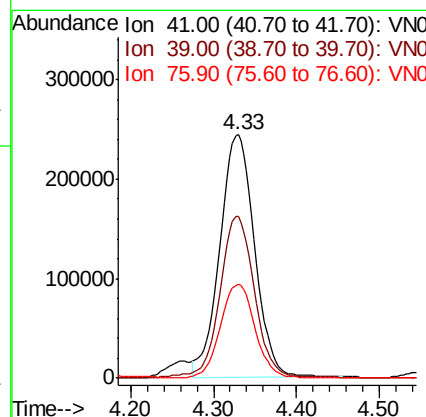
Manual Integrations
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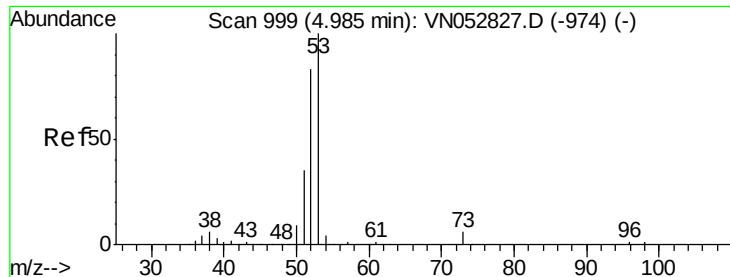
MMDadoda
12/13/2018 1:36:48 PM



#14
Allyl chloride
Concen: 49.355 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	41	Resp	710631
Ion Ratio	Lower	Upper	
41	100		
39	66.5	54.1	81.1
76	38.0	30.3	45.5





#15

Acrylonitrile

Concen: 272.467 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

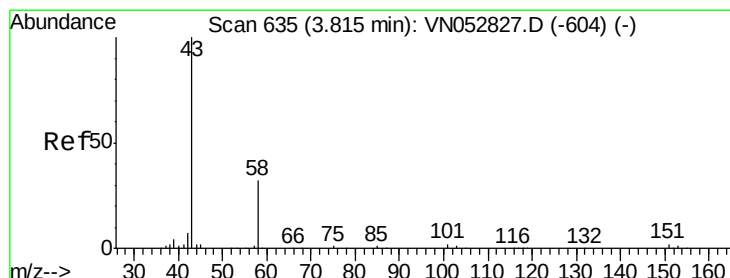
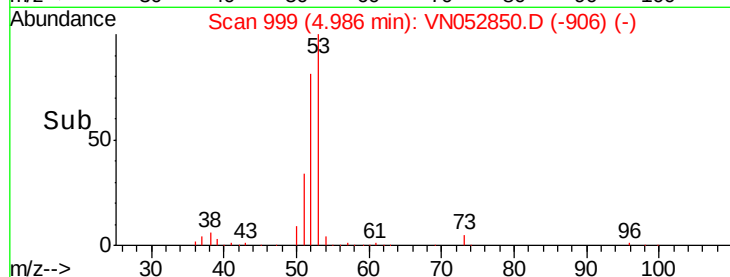
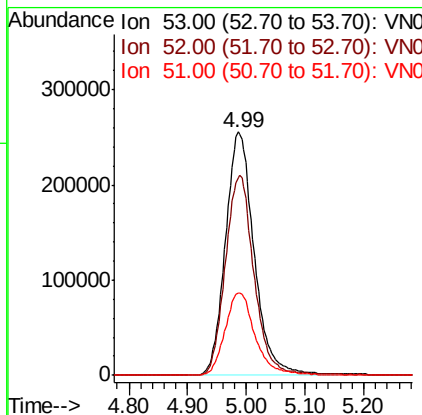
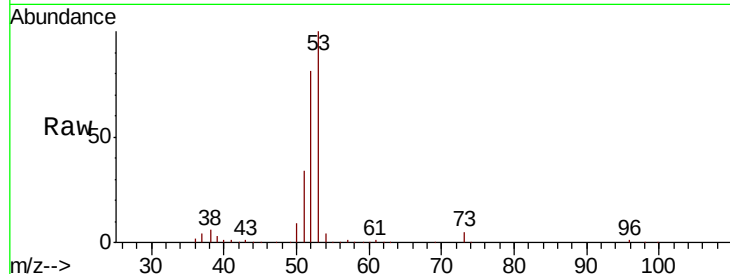
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	870728
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.1	97.7
51	35.5	28.1	42.1

Manual Integrations
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MMDadoda
12/13/2018 1:36:48 PM



#16

Acetone

Concen: 282.818 ug/l

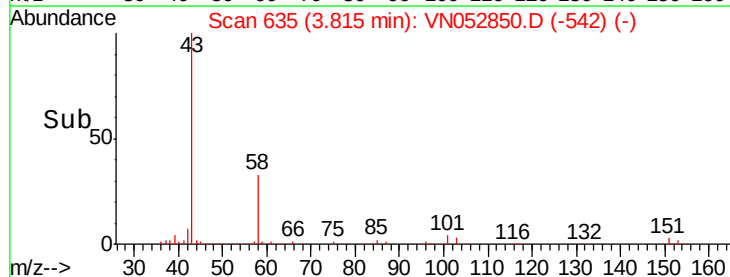
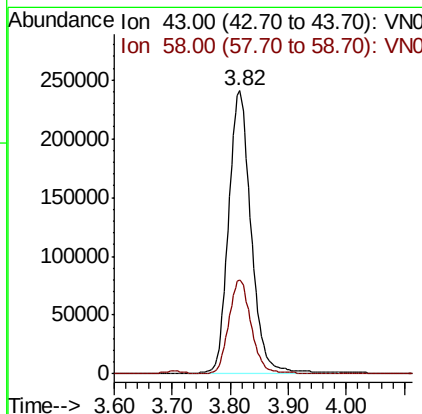
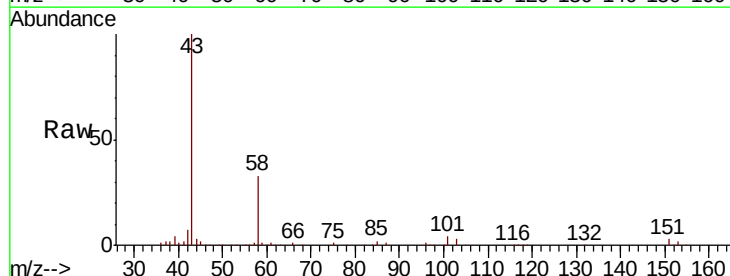
RT: 3.82 min Scan# 635

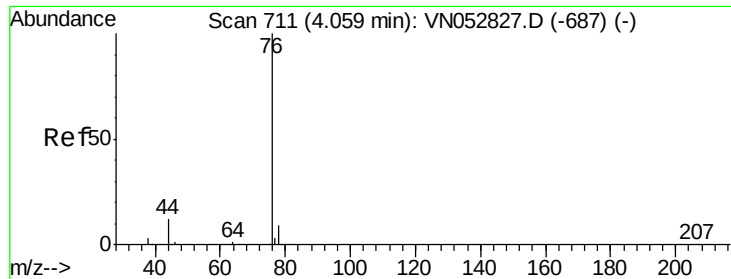
Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Tgt Ion:	43	Resp:	647559
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.4	38.0





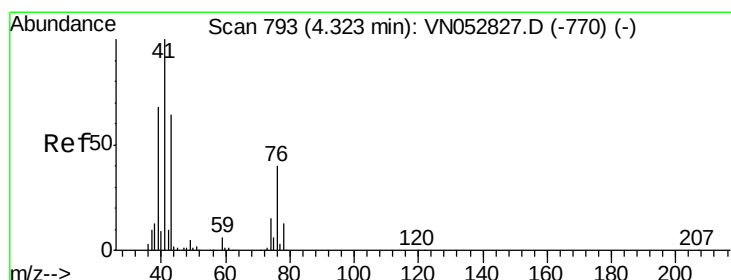
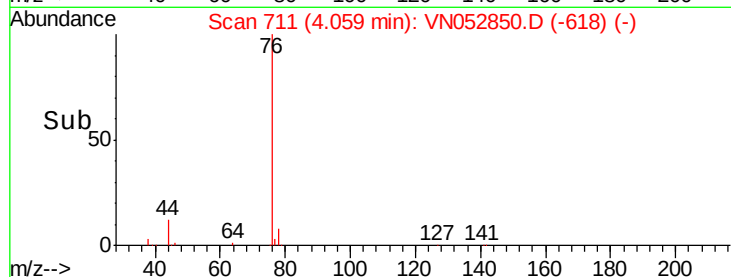
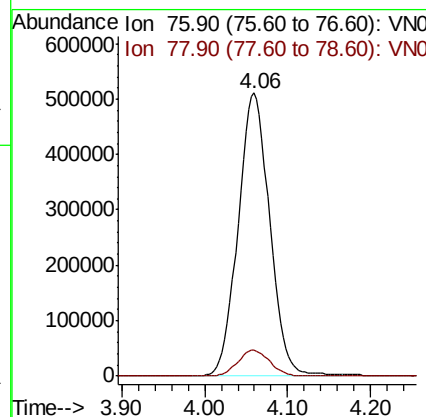
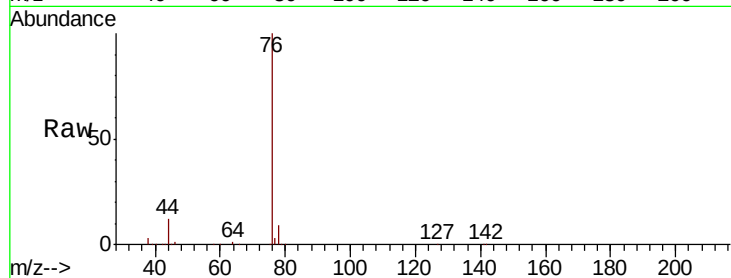
#17
Carbon Disulfide
Concen: 50.124 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1357368
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

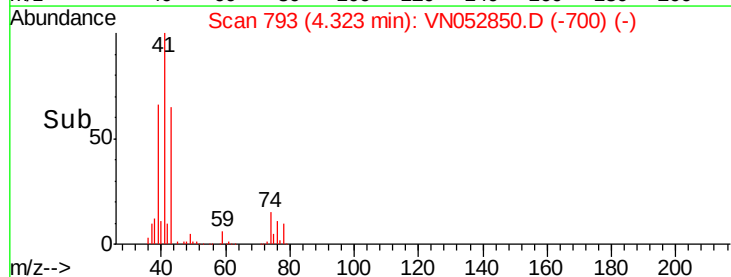
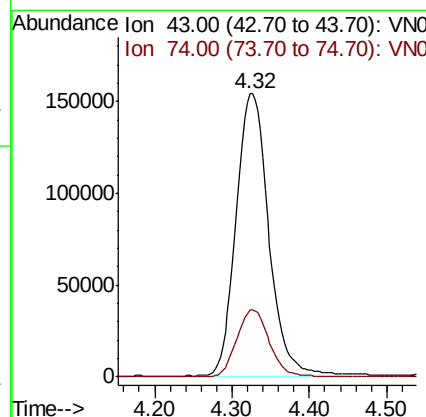
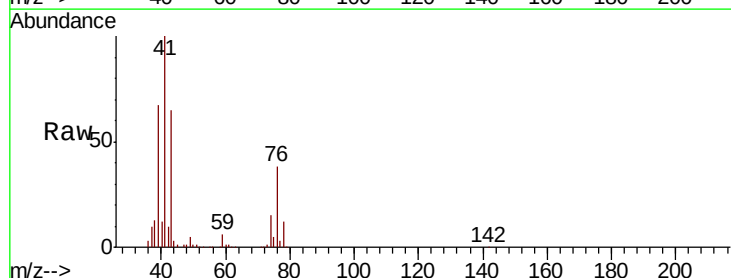
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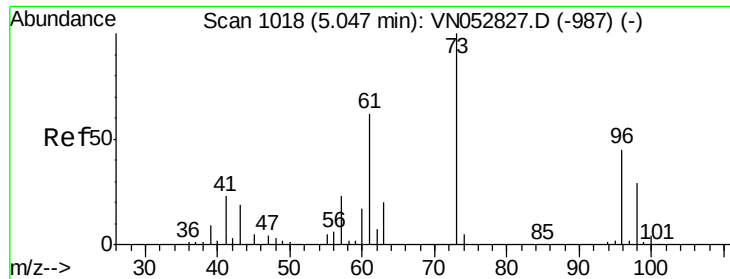
MMDadoda
12/13/2018 1:36:48 PM



#18
Methyl Acetate
Concen: 53.427 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion: 43 Resp: 448949
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8





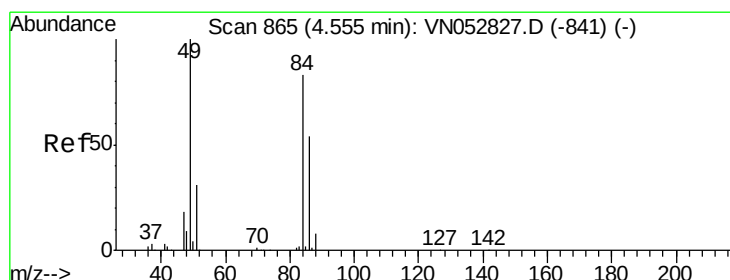
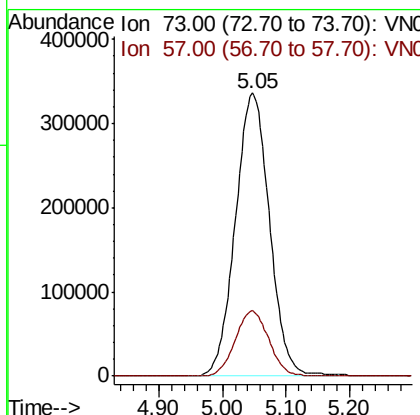
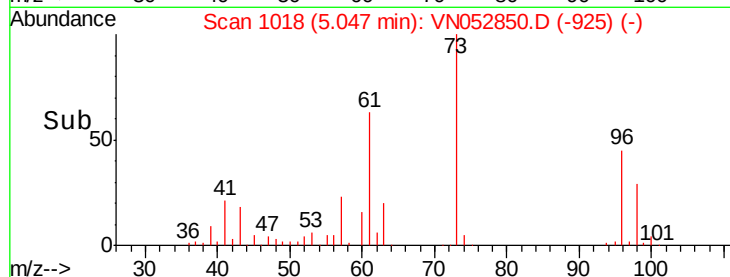
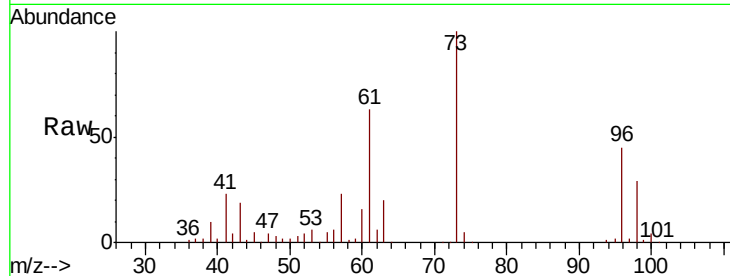
#19
Methvl tert-butyl Ether
Concen: 52.383 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1253589
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

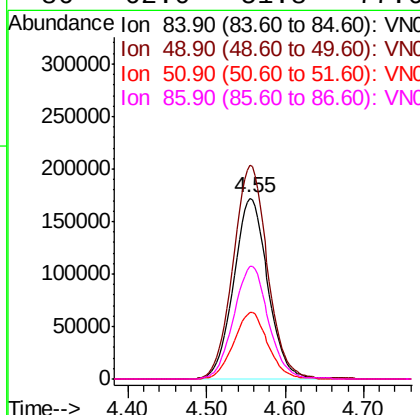
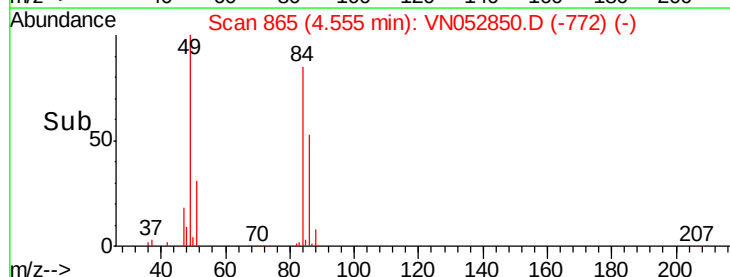
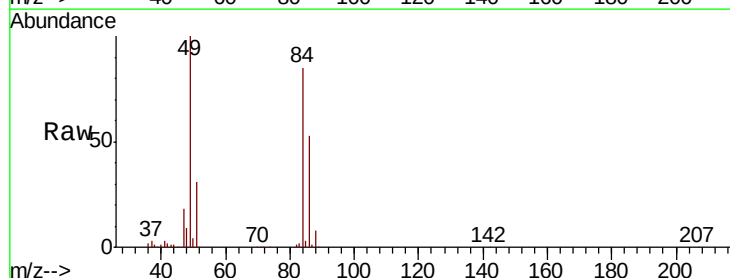
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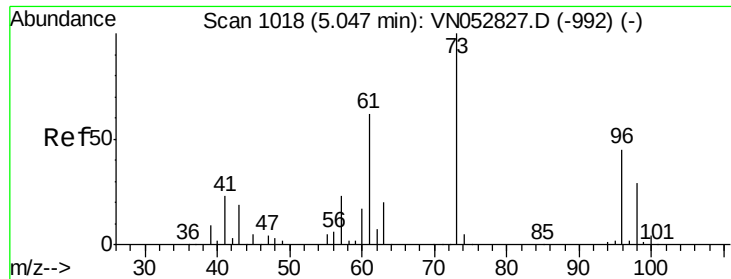
MMDadoda
12/13/2018 1:36:48 PM



#20
Methylene Chloride
Concen: 50.687 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion: 84 Resp: 522280
Ion Ratio Lower Upper
84 100
49 118.1 96.8 145.2
51 36.7 29.9 44.9
86 62.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.018 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 487239

Ion Ratio Lower Upper

96 100

61 139.8 110.8 166.2

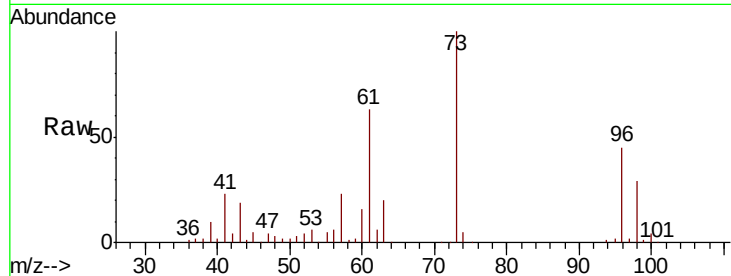
98 64.0 51.4 77.2

Manual Integrations

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12/13/2018 1:36:48 PM

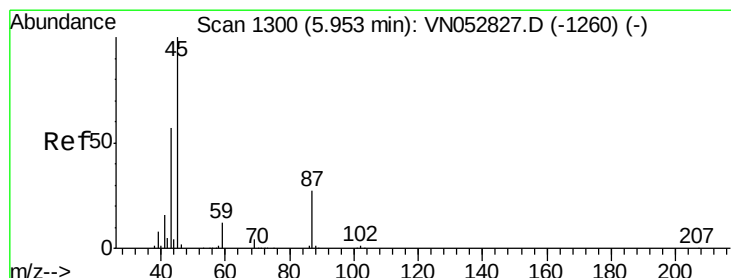
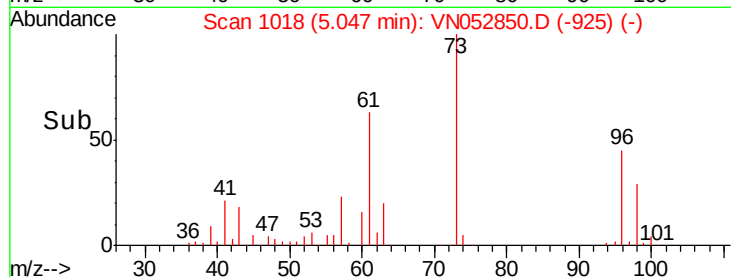
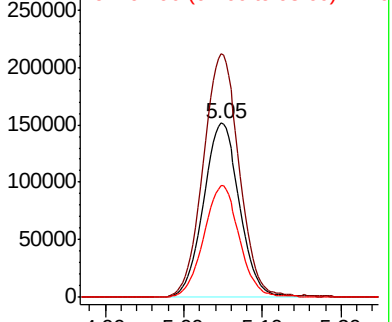


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.241 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Tgt Ion: 45 Resp: 1604669

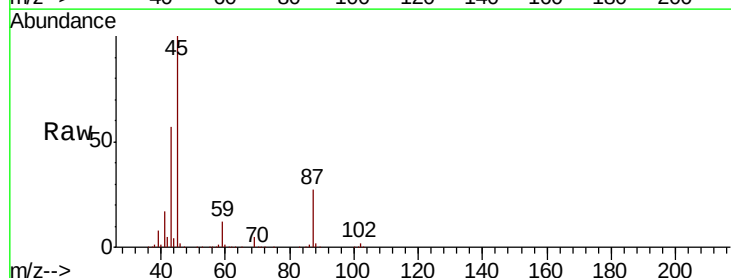
Ion Ratio Lower Upper

45 100

43 56.2 45.5 68.3

87 27.0 22.0 33.0

59 11.7 9.4 14.0



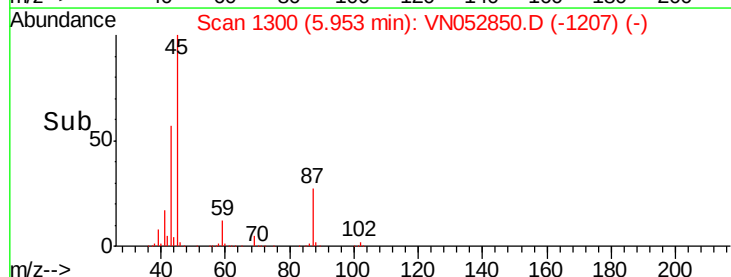
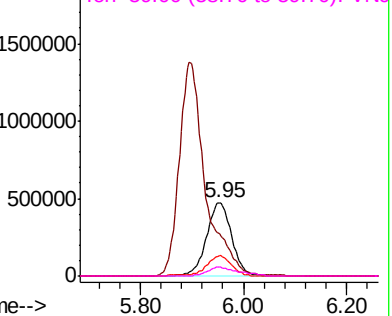
Abundance

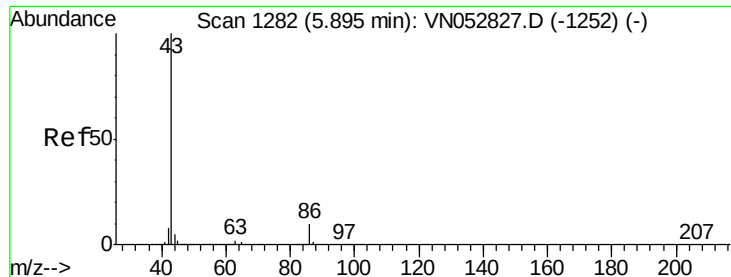
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 265.255 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4848226

Ion Ratio Lower Upper

43 100

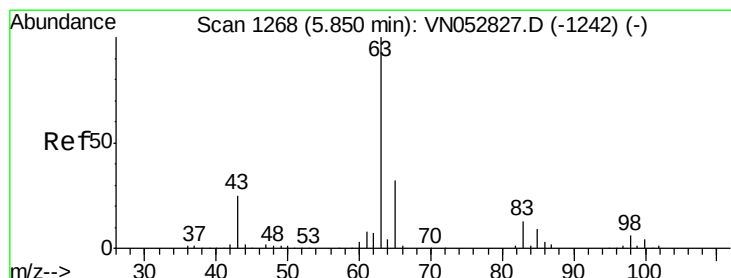
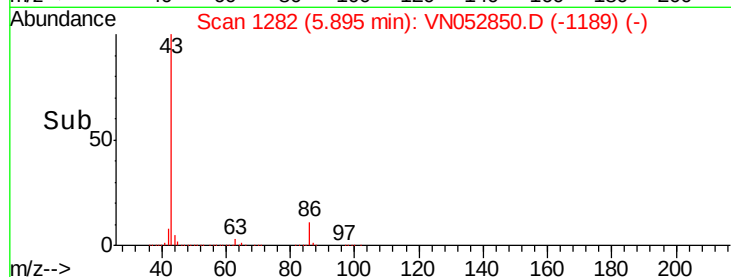
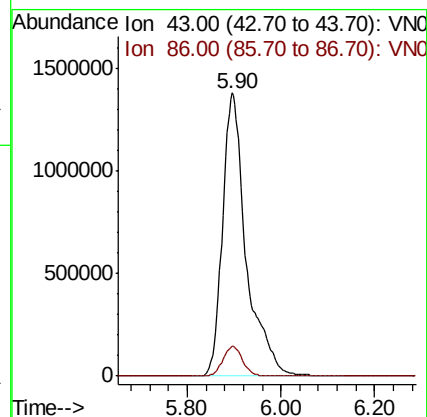
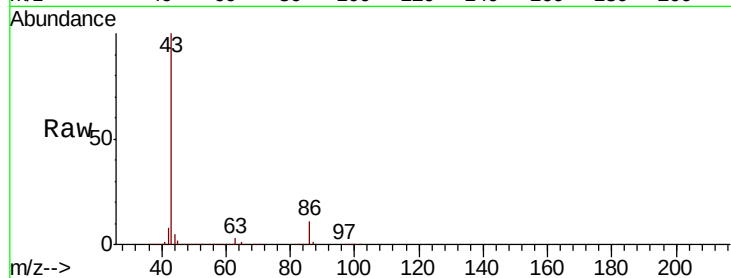
86 10.7 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.208 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

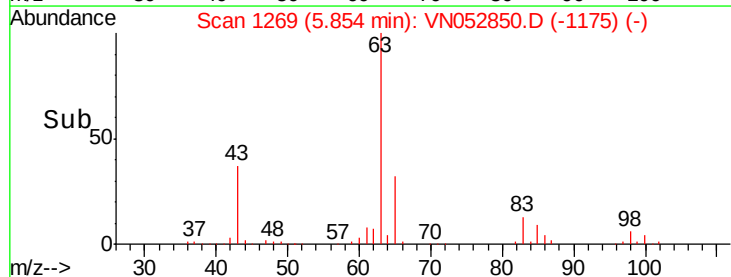
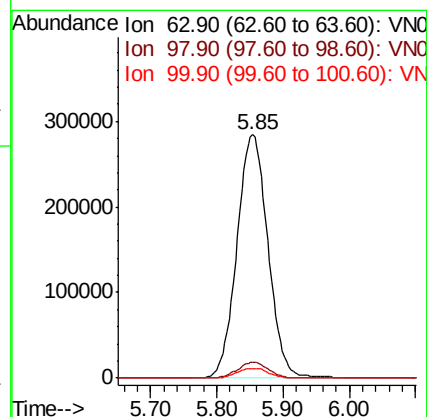
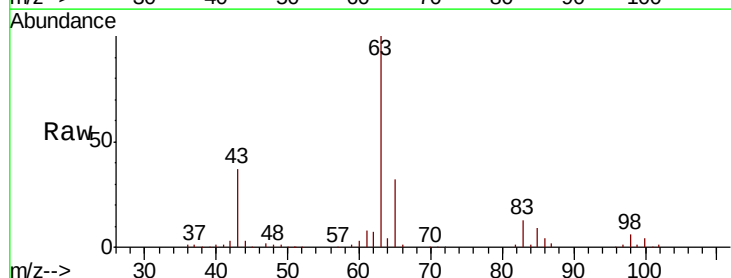
Tgt Ion: 63 Resp: 924789

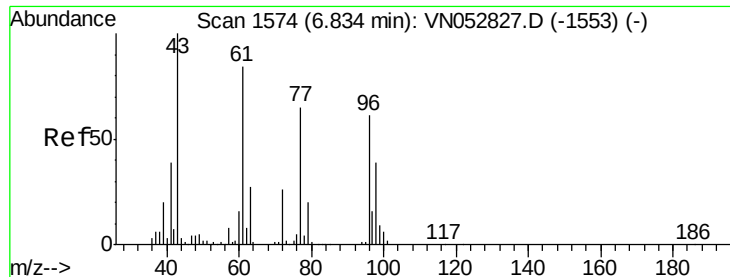
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.8 2.0 5.8





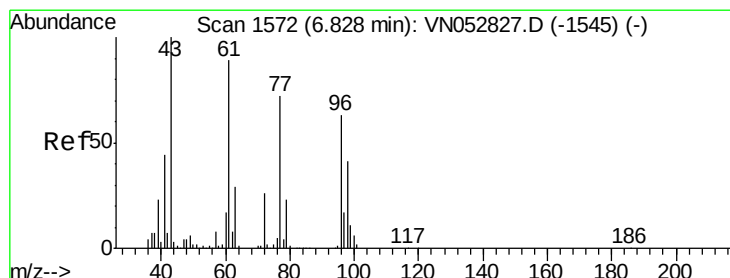
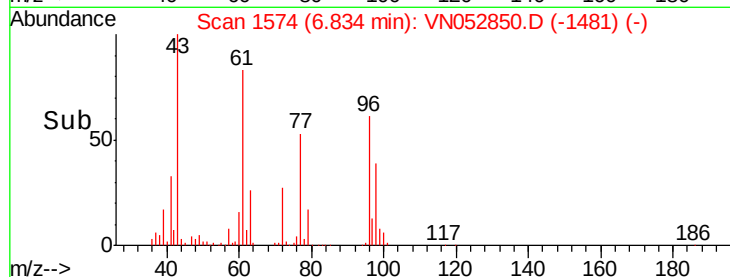
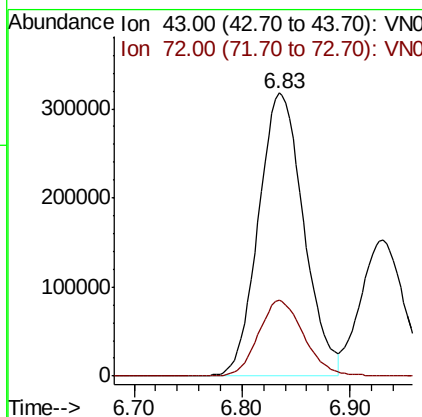
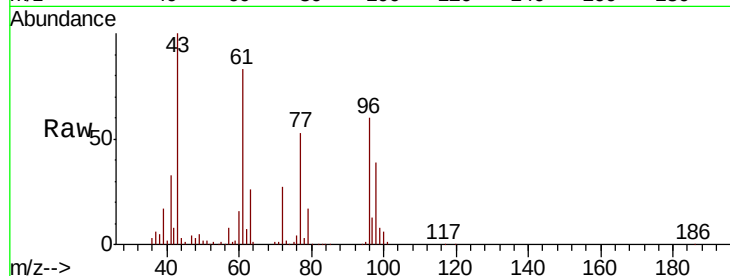
#25
2-Butanone
Concen: 258.885 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 919755
Ion Ratio Lower Upper
43 100
72 26.8 21.0 31.6

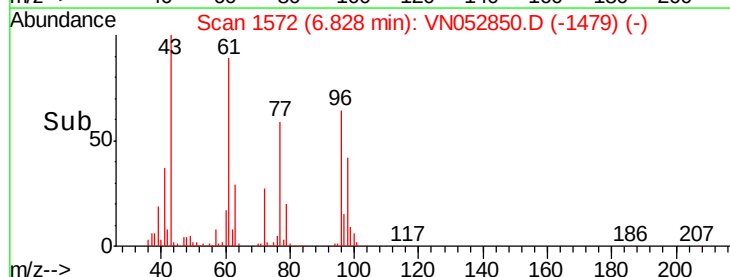
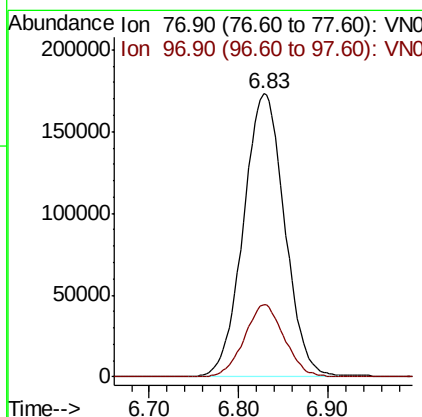
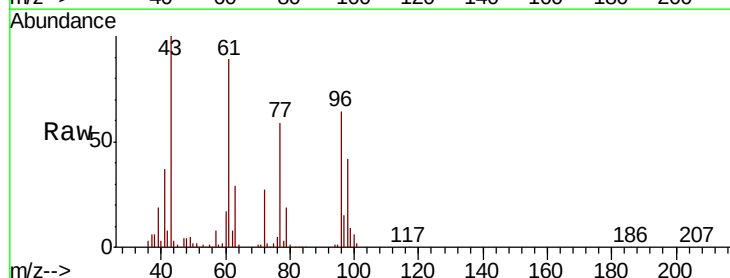
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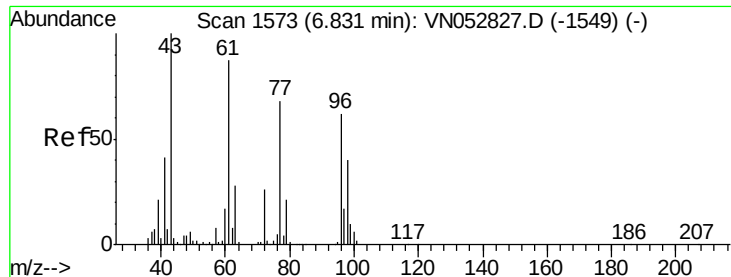
MMDadoda
12/13/2018 1:36:48 PM



#26
2,2-Dichloropropane
Concen: 42.652 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion: 77 Resp: 556373
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.809 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

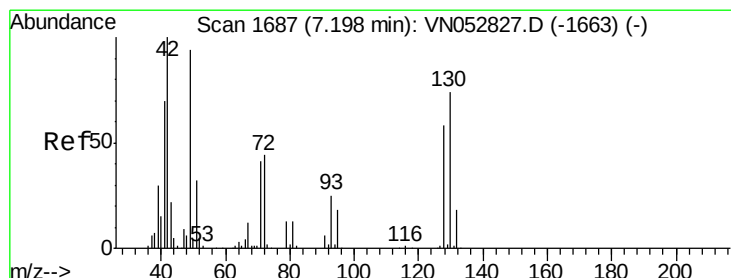
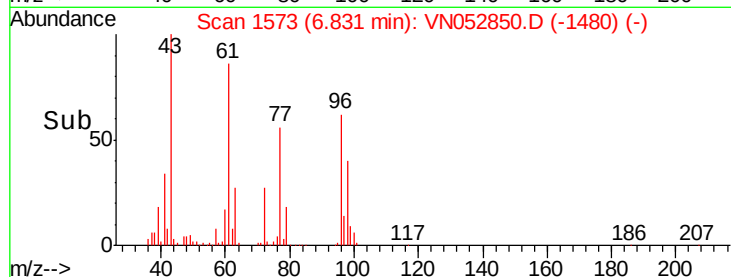
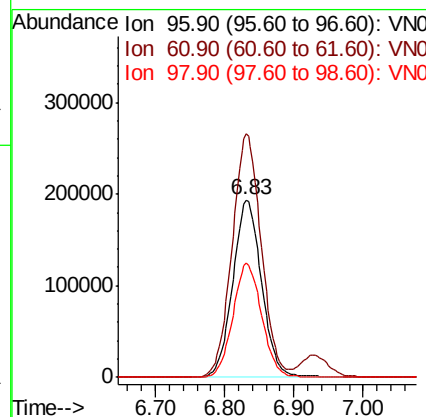
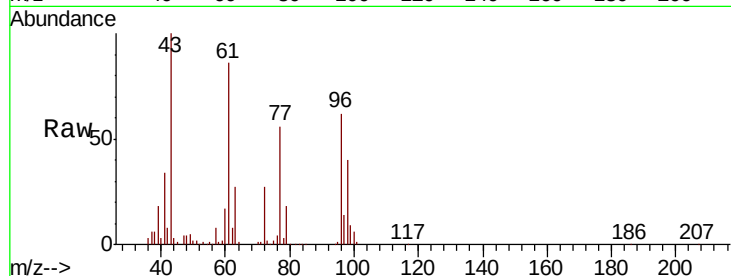
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	561566
Ion Ratio	Lower	Upper	
96	100		
61	138.4	0.0	284.2
98	64.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 47.301 ug/l

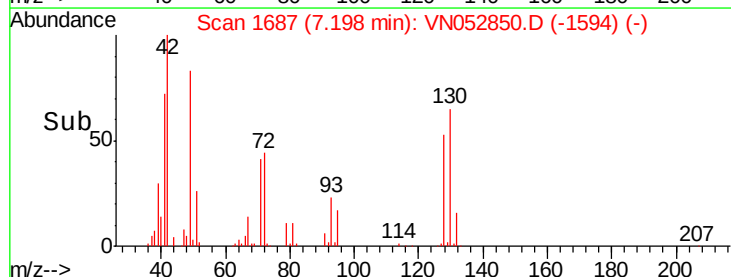
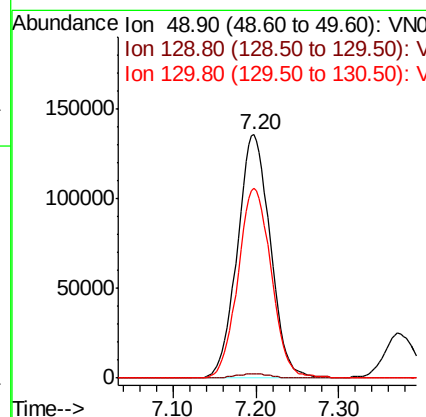
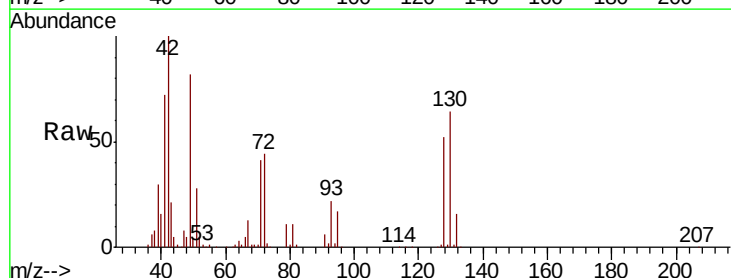
RT: 7.20 min Scan# 1687

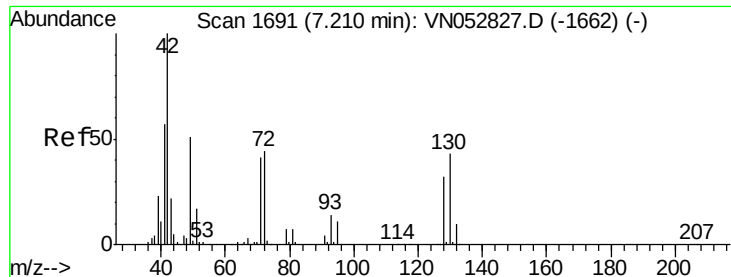
Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Tgt Ion:	49	Resp:	376240
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	78.7	63.3	94.9





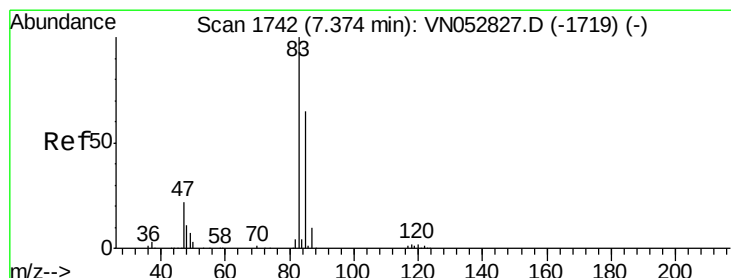
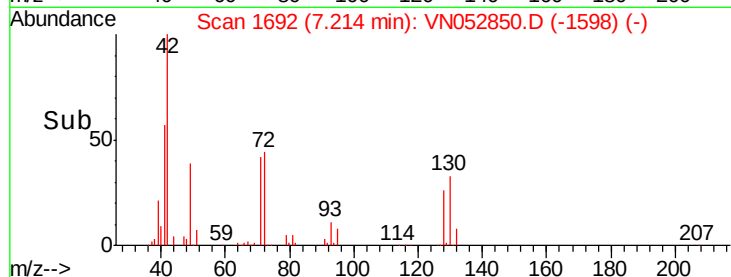
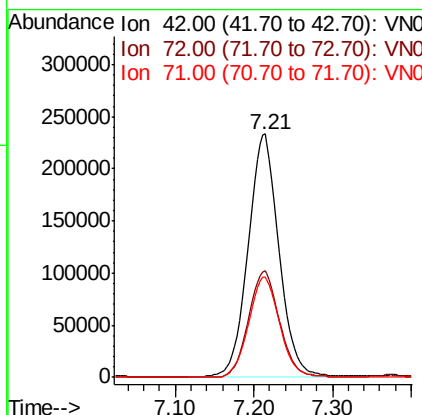
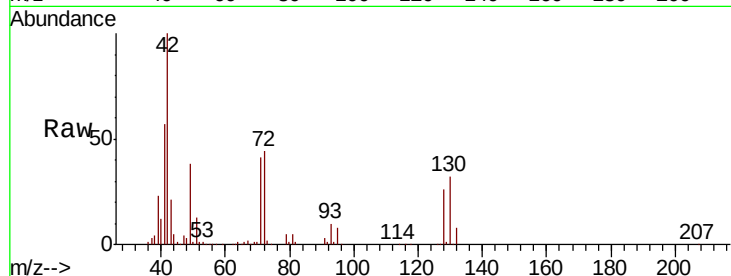
#29
Tetrahydrofuran
Concen: 267.773 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.7	52.1
71	41.6	32.3	48.5

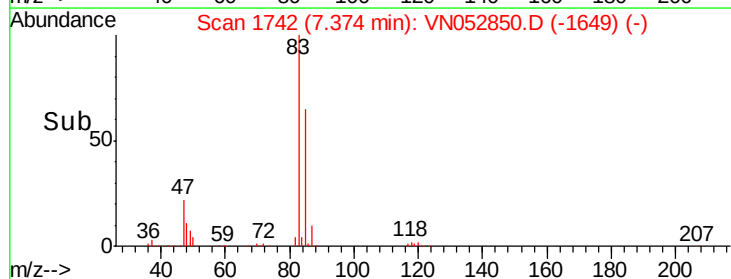
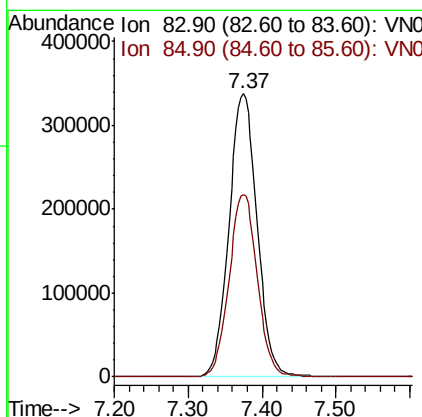
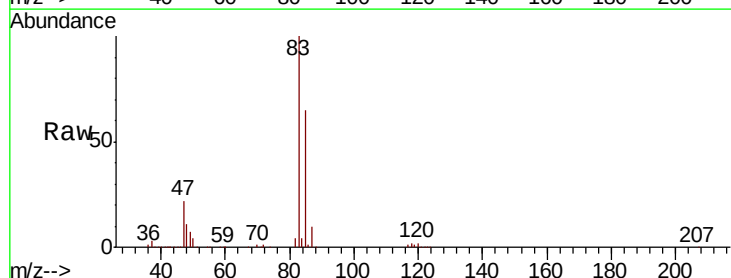
Manual Integrations
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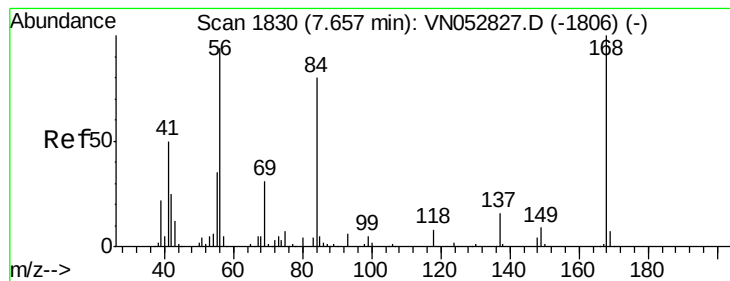
MMDadoda
12/13/2018 1:36:48 PM



#30
Chloroform
Concen: 51.773 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.1	78.1





#31

Cyclohexane

Concen: 50.371 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 870117
Ion Ratio Lower Upper

56 100

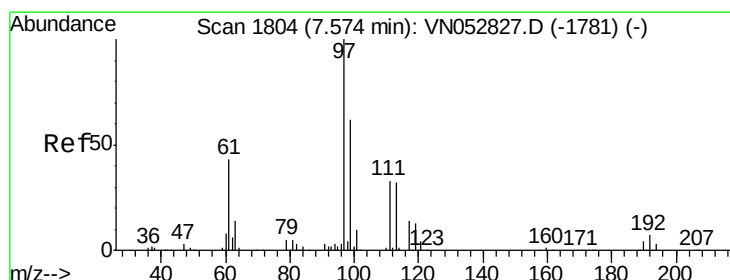
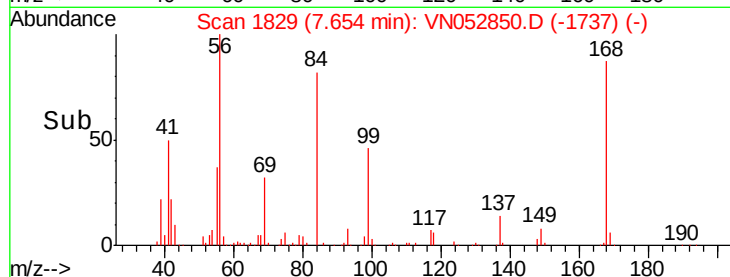
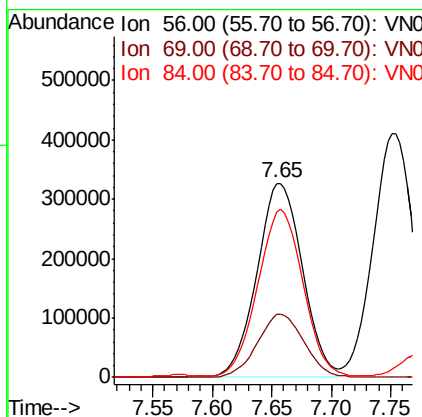
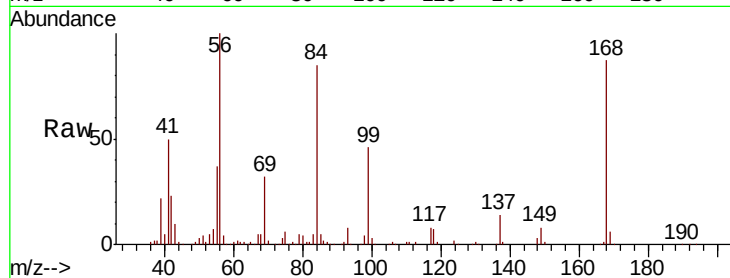
69 32.3 26.6 39.8

84 83.9 68.4 102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.636 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052850.D

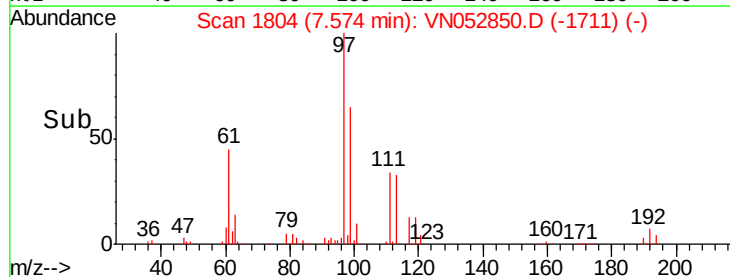
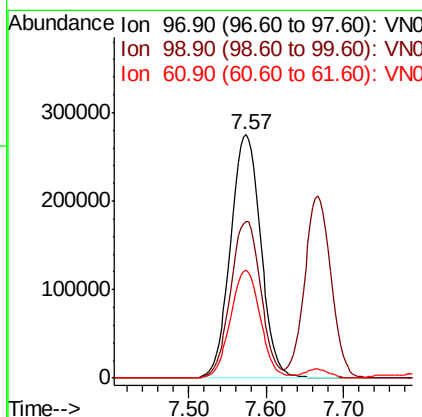
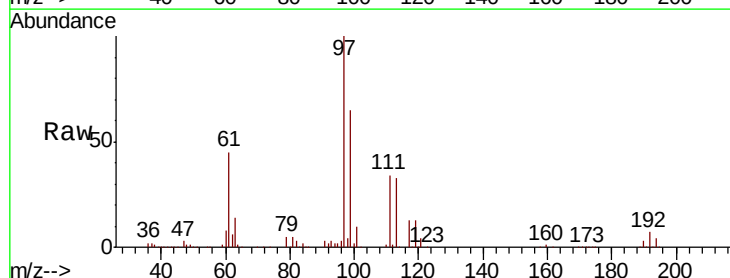
Acq: 13 Dec 2018 1:34

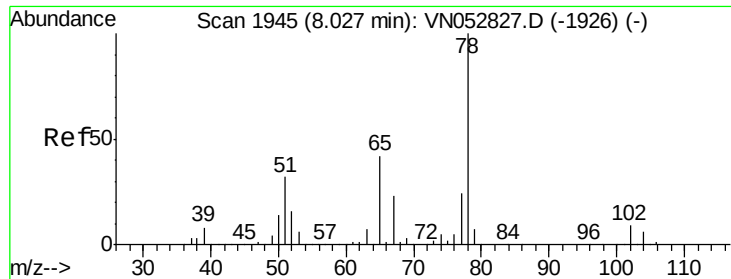
Tgt Ion: 97 Resp: 746252
Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 43.7 35.0 52.6





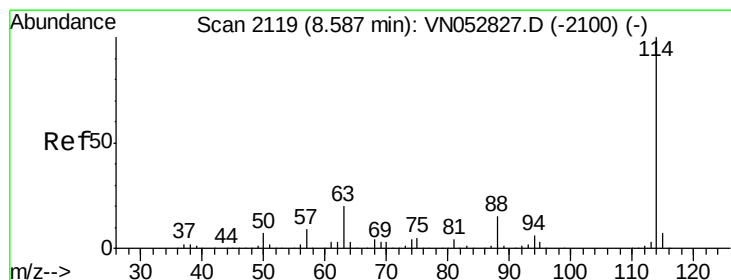
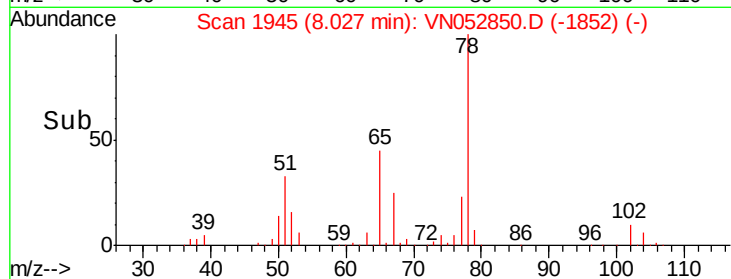
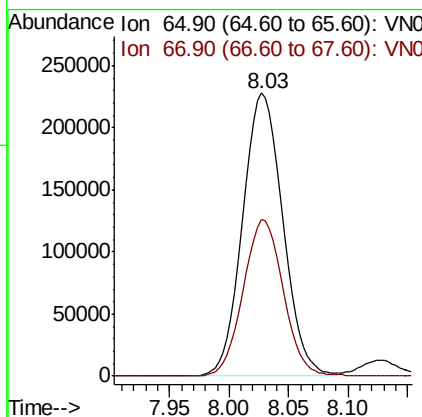
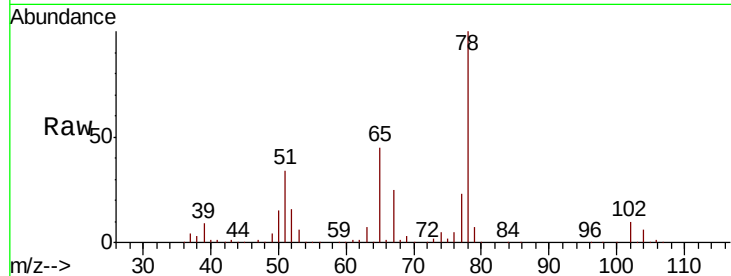
#33
 1,2-Dichloroethane-d4
 Concen: 51.636 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 535833
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4

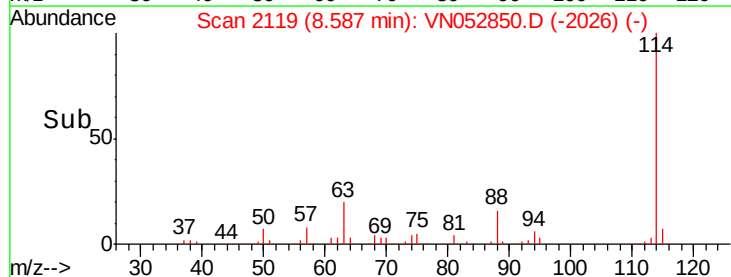
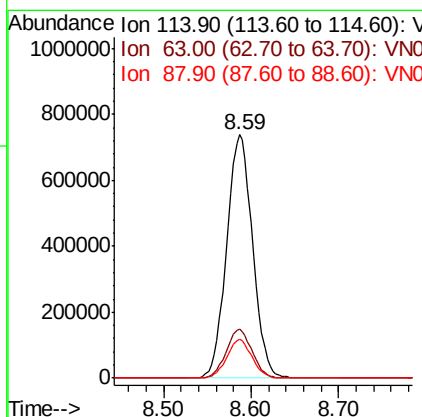
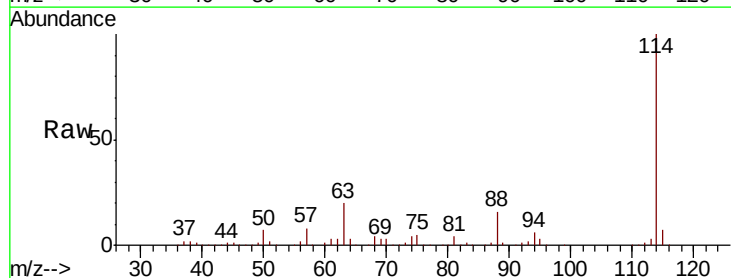
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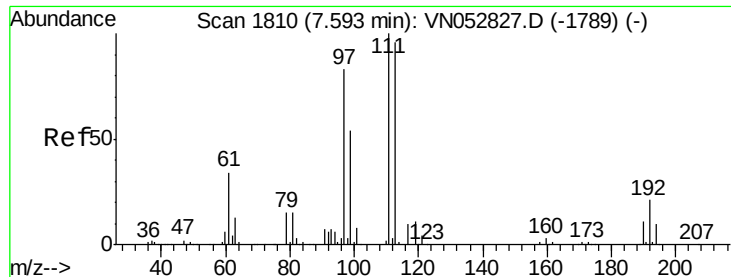
MMDadoda
 12/13/2018 1:36:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion: 114 Resp: 1519053
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.8 0.0 31.0





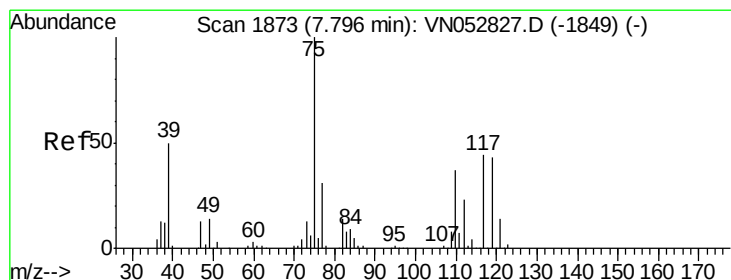
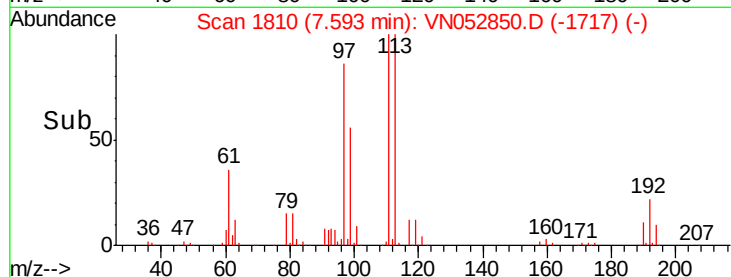
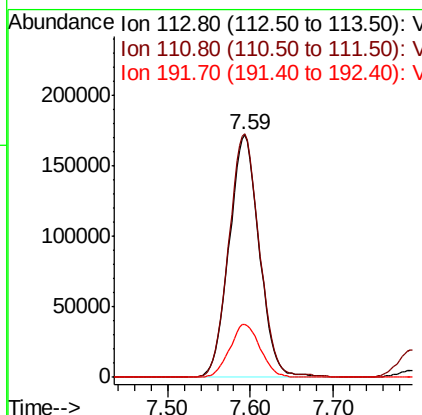
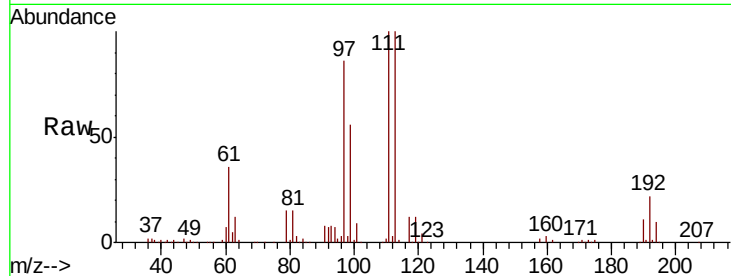
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	434188		
111	101.5	83.0	124.4	
192	22.1	17.5	26.3	

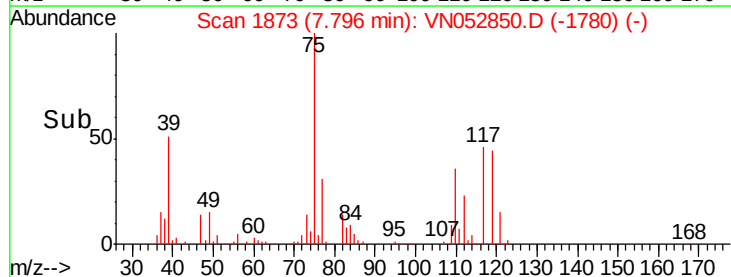
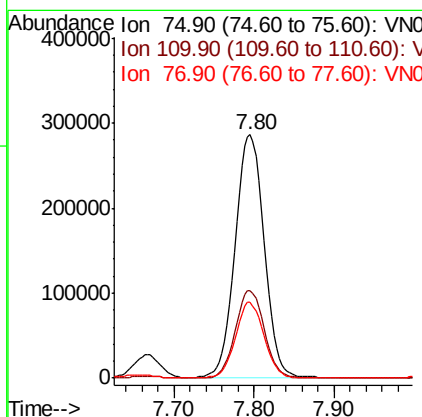
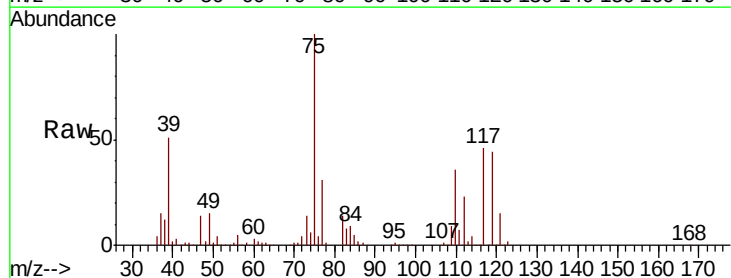
Manual Integrations
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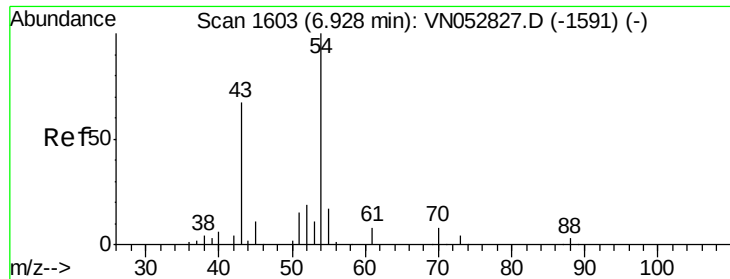
MMDadoda
12/13/2018 1:36:48 PM



#36
1,1-Dichloropropene
Concen: 50.108 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	700937		
110	35.8	18.2	54.6	
77	30.8	24.9	37.3	





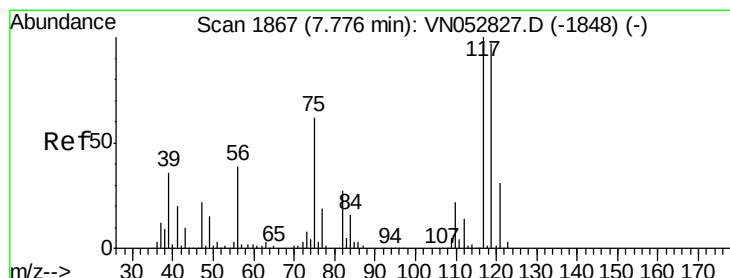
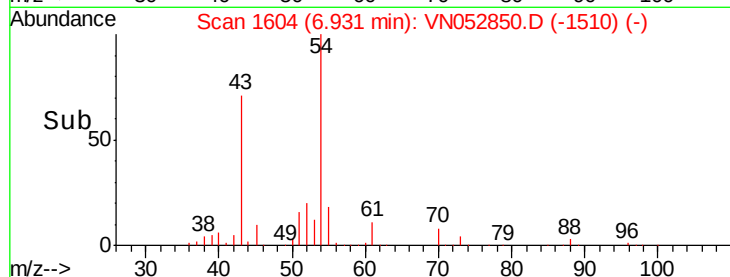
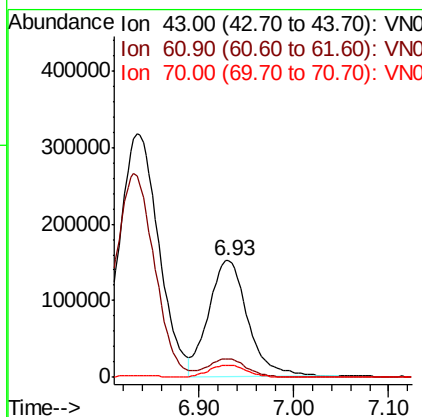
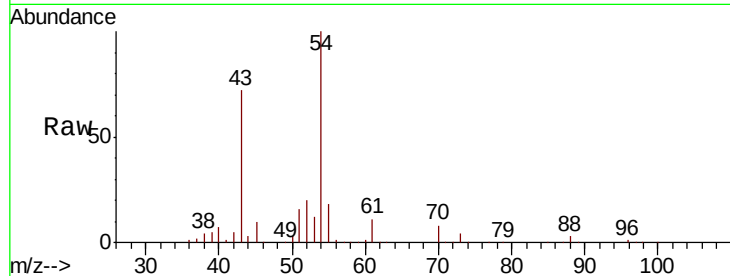
#37
Ethyl Acetate
Concen: 51.762 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	10.6	8.4	12.6

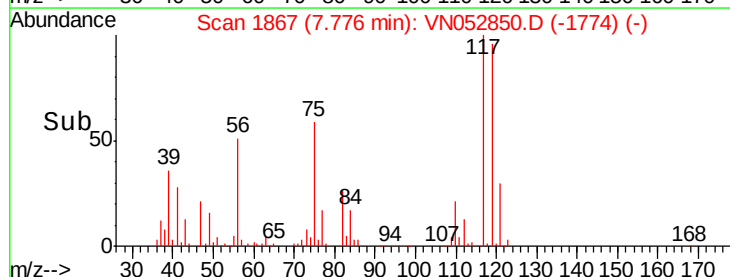
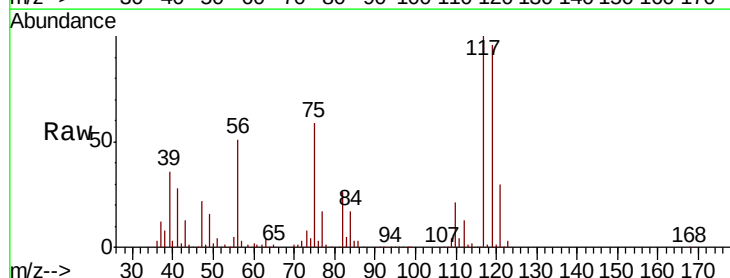
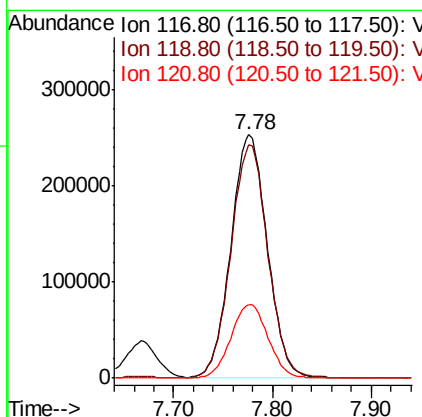
Manual Integrations
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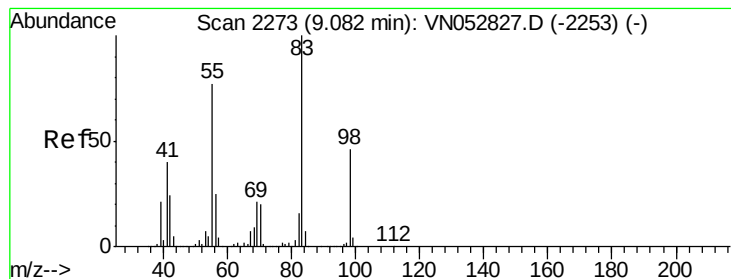
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.123 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.1	115.7
121	30.3	24.9	37.3





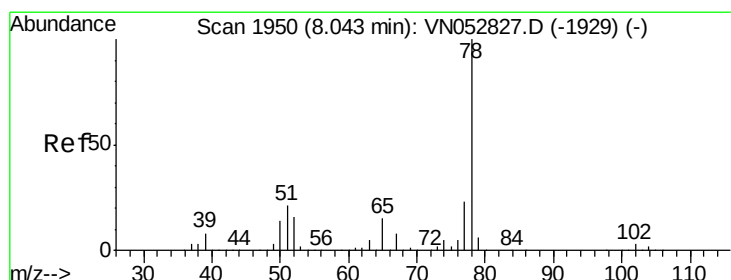
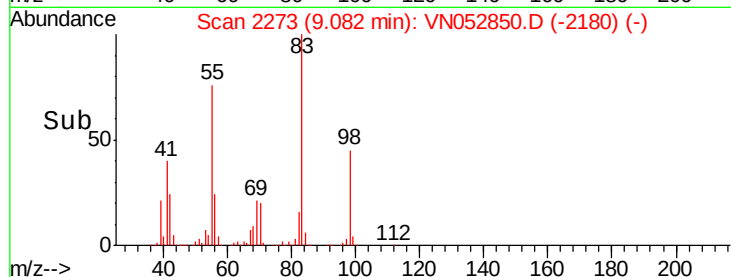
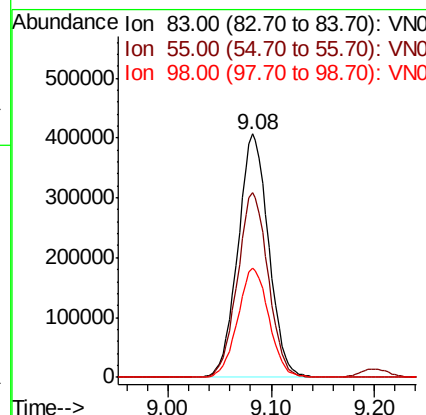
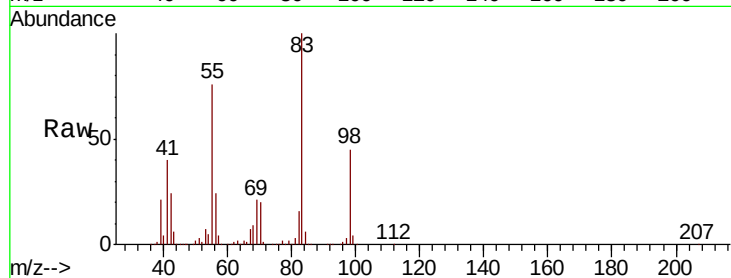
#39
Methylvlcyclohexane
Concen: 48.990 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.3	91.9
98	44.8	37.0	55.4

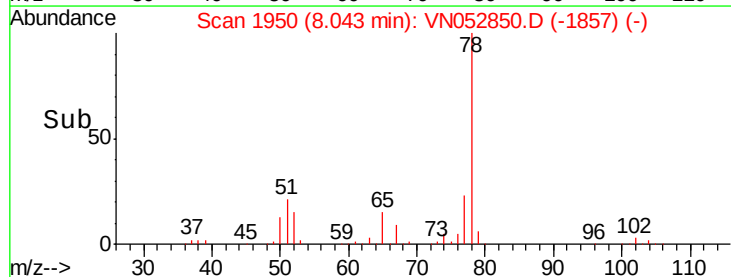
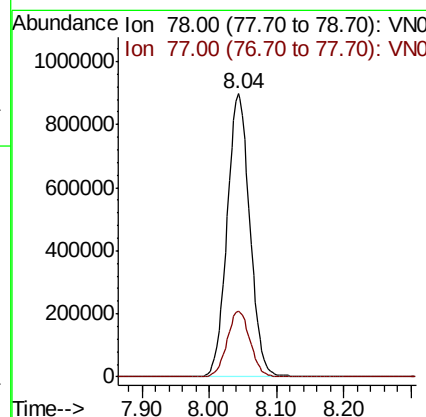
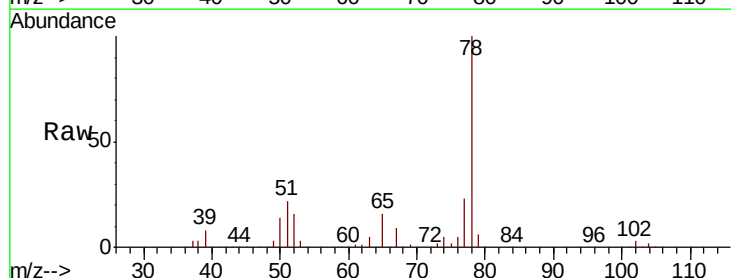
Manual Integrations
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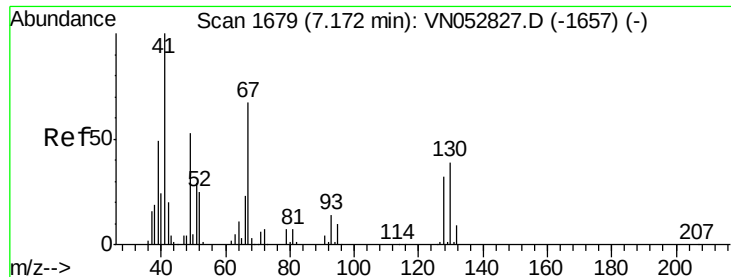
MMDadoda
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#40
Benzene
Concen: 50.253 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





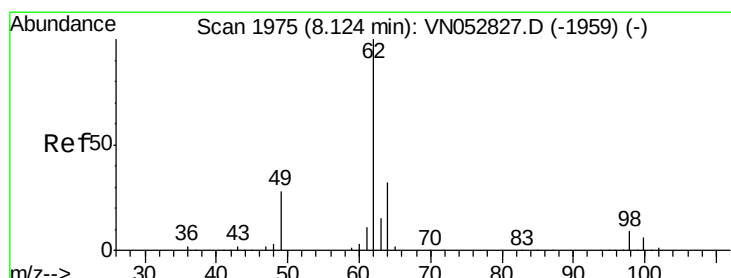
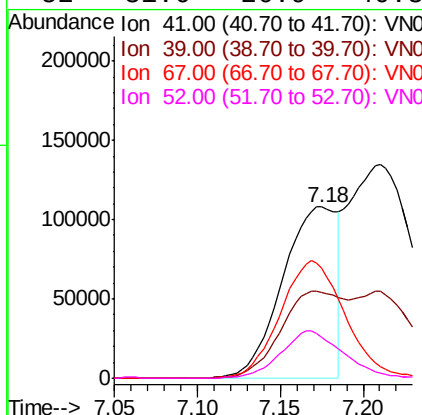
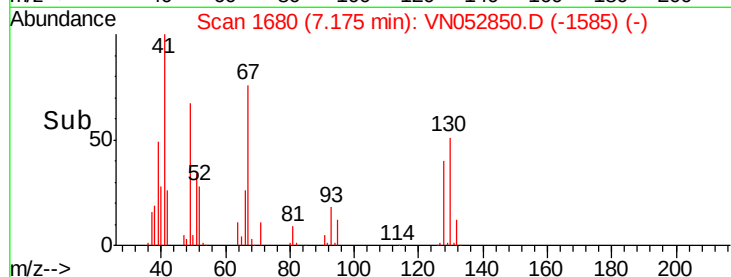
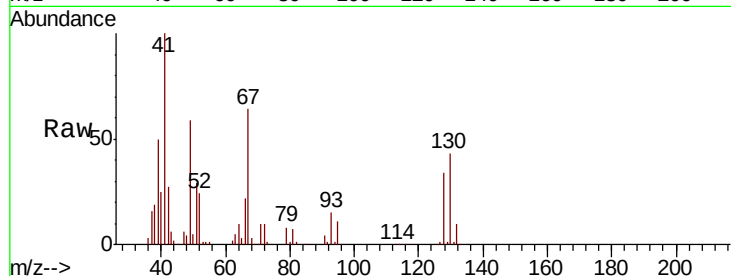
#41
Methacrylonitrile
Concen: 52.935 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		246470		
39	59.6	48.0	72.0		
67	82.0	70.3	105.5		
52	31.6	26.9	40.3		

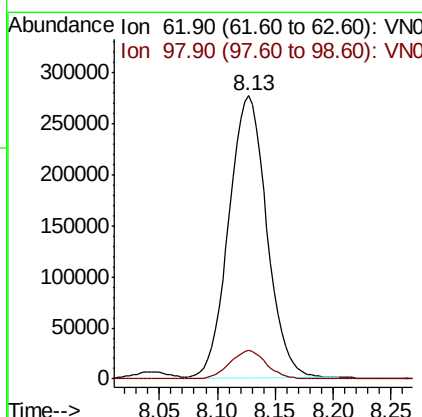
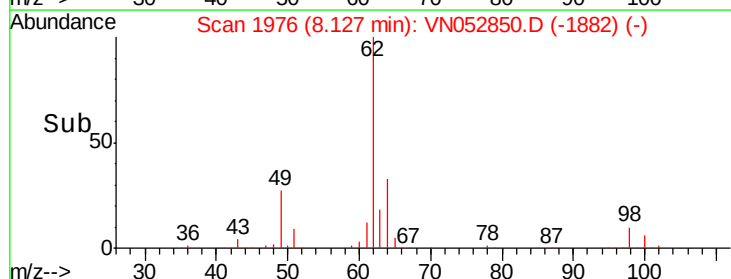
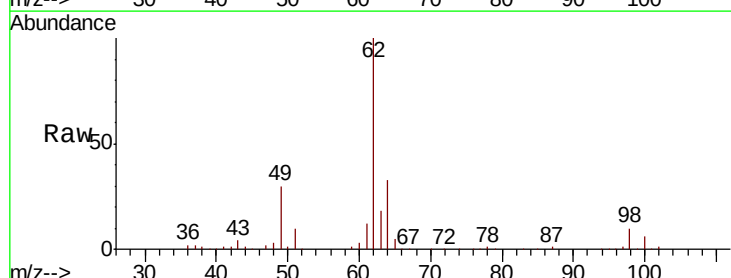
Manual Integrations
APPROVED

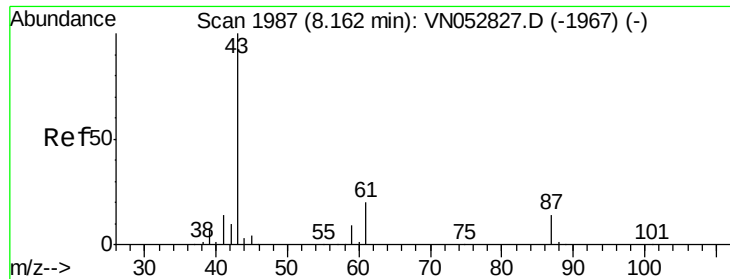
MMDadoda
12/13/2018 1:36:48 PM



#42
1,2-Dichloroethane
Concen: 49.843 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		629996		
98	9.9	0.0	19.0		





#43

Isopropyl Acetate

Concen: 48.218 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

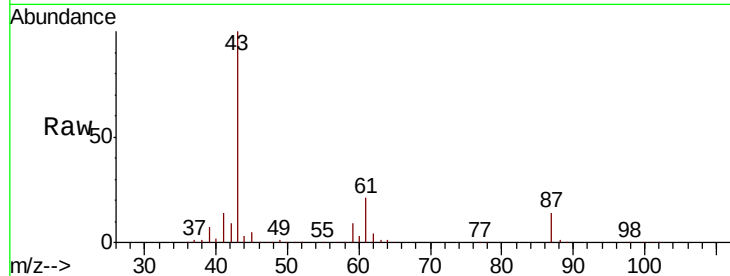
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	830759
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.9	34.3
87	12.7	10.6	15.8

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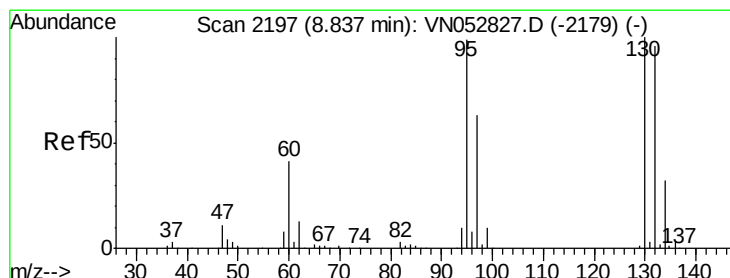
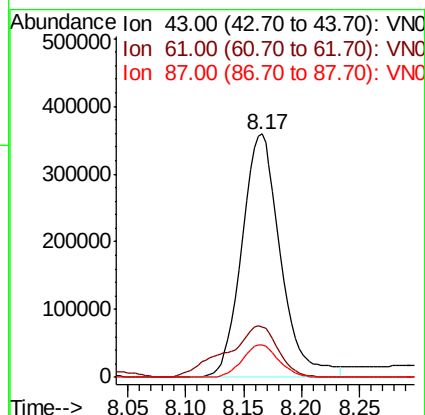
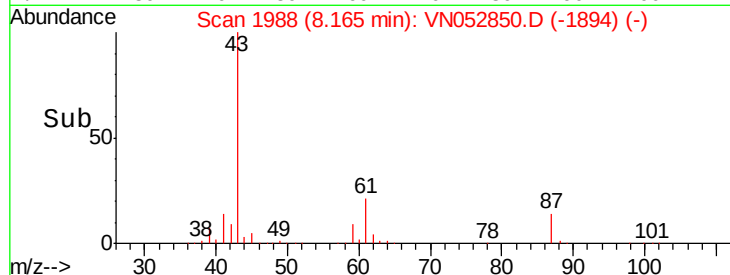


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 49.629 ug/l

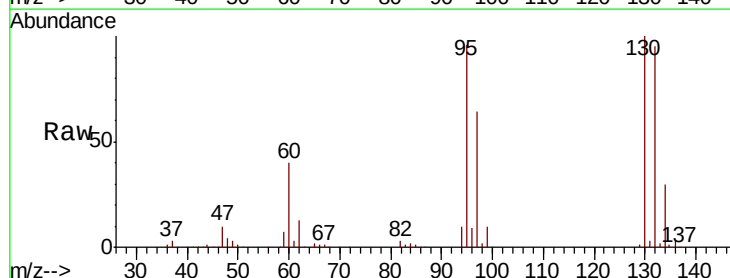
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

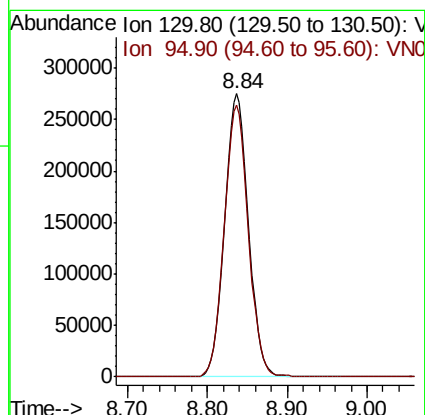
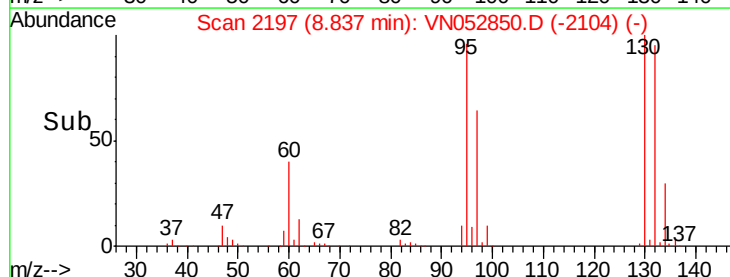
Tgt Ion:	130	Resp:	562813
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	197.8

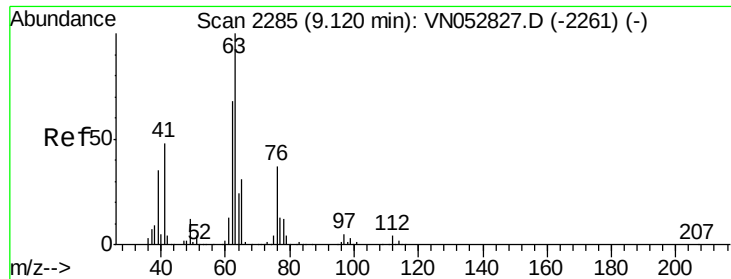


Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

Time-->





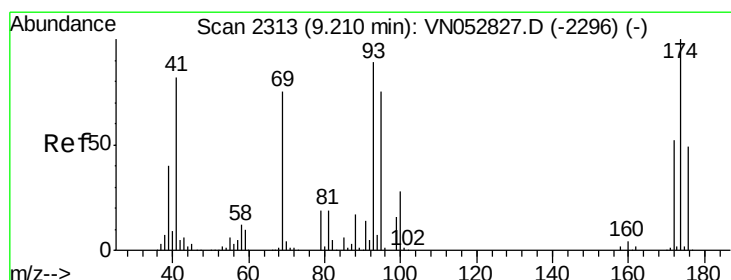
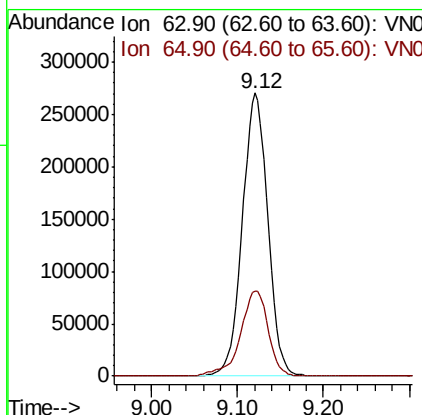
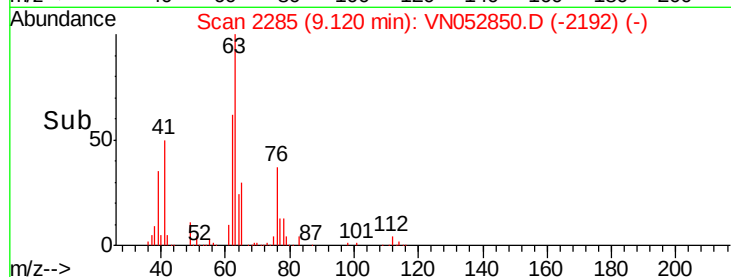
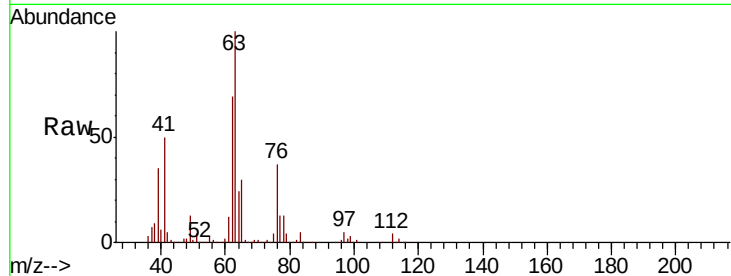
#45
 1,2-Dichloropropane
 Concen: 50.616 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 556610
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0

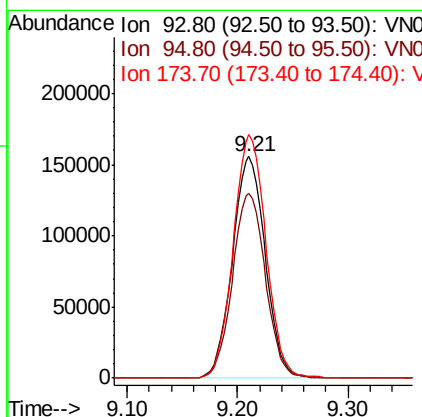
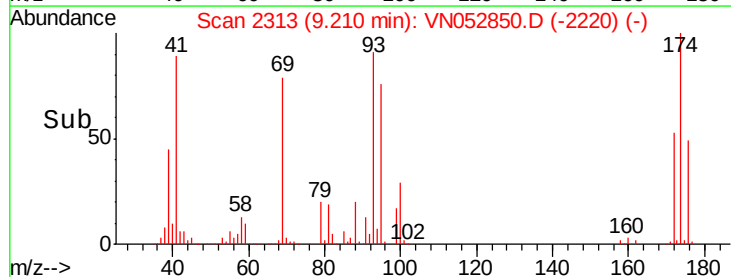
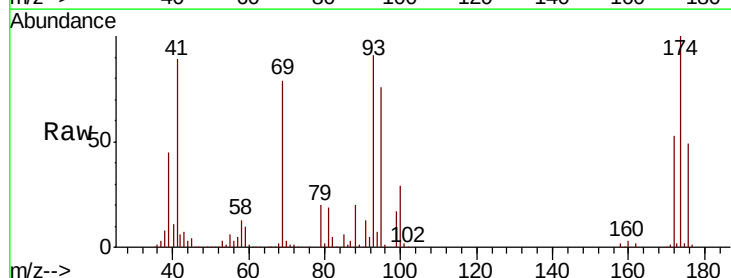
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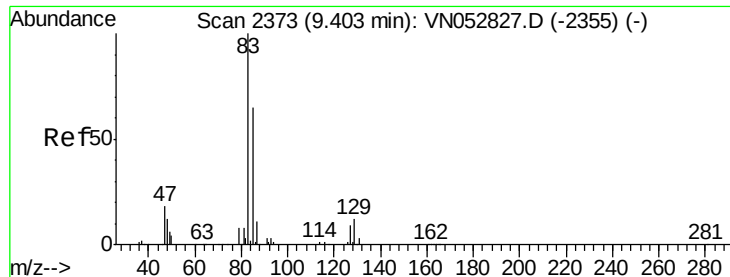
MMDadoda
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#46
 Dibromomethane
 Concen: 50.405 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion: 93 Resp: 321457
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 109.6 89.0 133.4





#47

Bromodichloromethane

Concen: 51.340 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

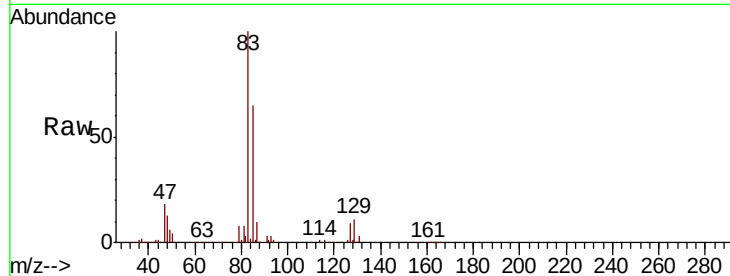
ClientSampleId :

VSTDCCC050EC

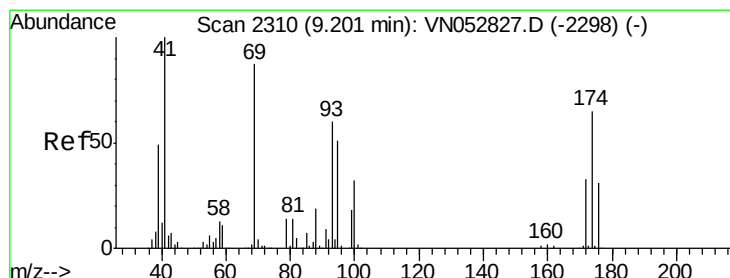
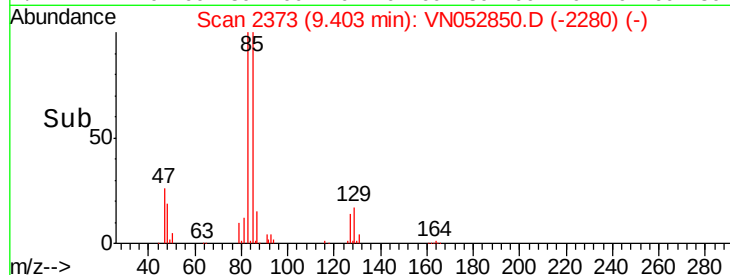
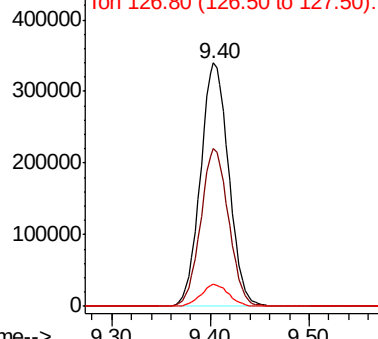
Tot Ion:	83	Resp:	678978
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
127	8.9	7.1	10.7

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Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)



#48

Methyl methacrylate

Concen: 52.774 ug/l

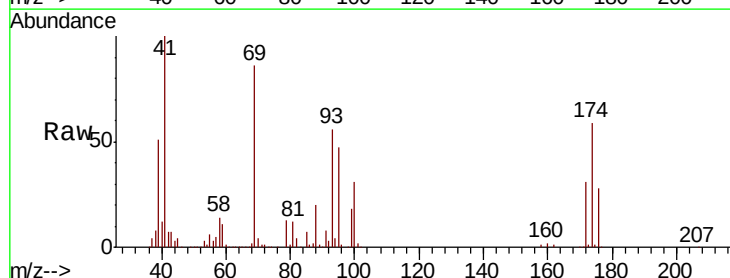
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

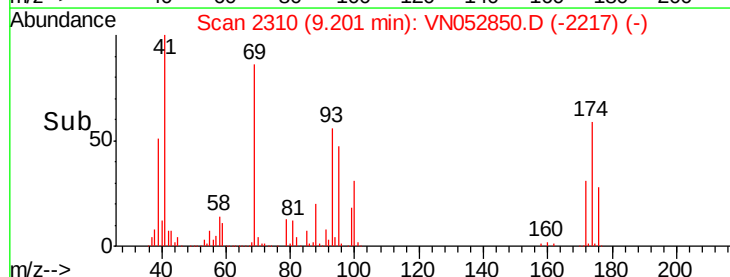
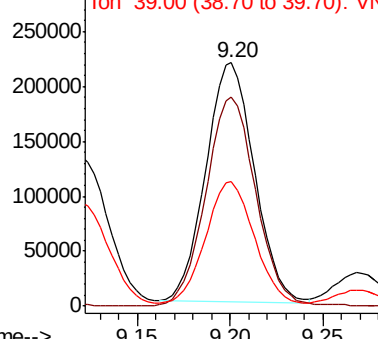
Lab File: VN052850.D

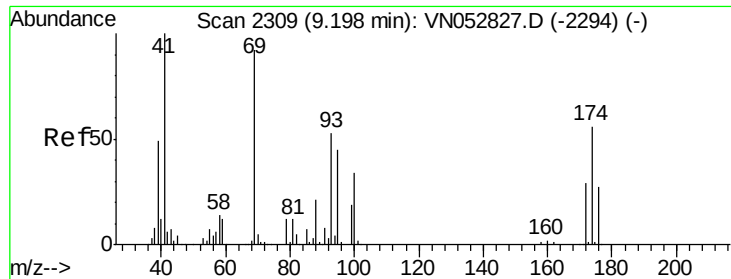
Acq: 13 Dec 2018 1:34

Tgt Ion:	41	Resp:	398752
Ion	Ratio	Lower	Upper
41	100		
69	89.7	72.2	108.2
39	53.0	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)





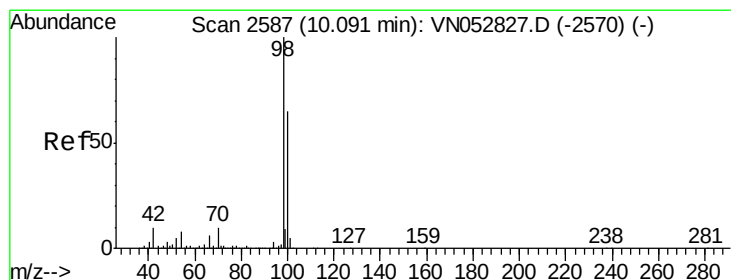
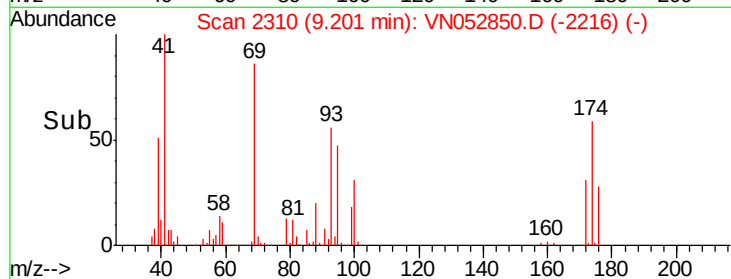
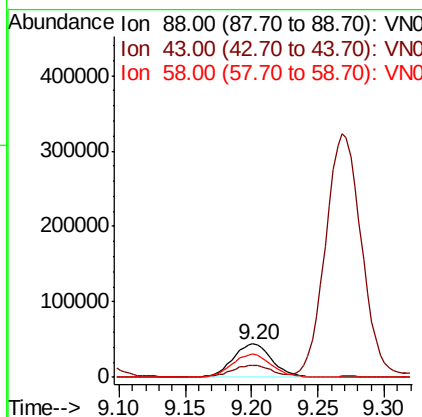
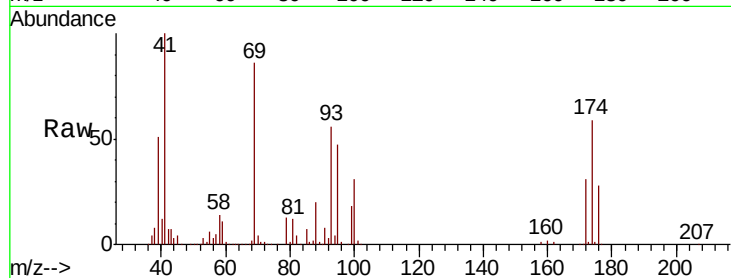
#49
 1,4-Dioxane
 Concen: 1064.497 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	91296
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.6	40.0
58	69.6	58.4	87.6

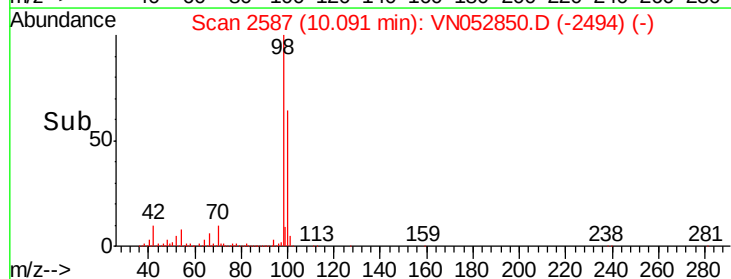
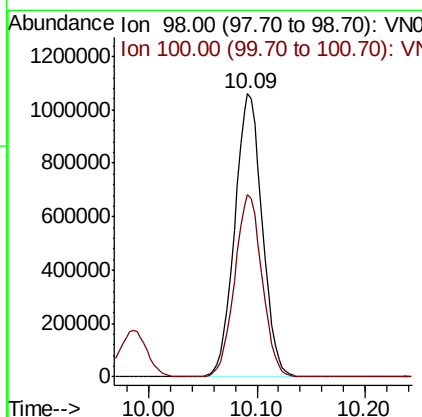
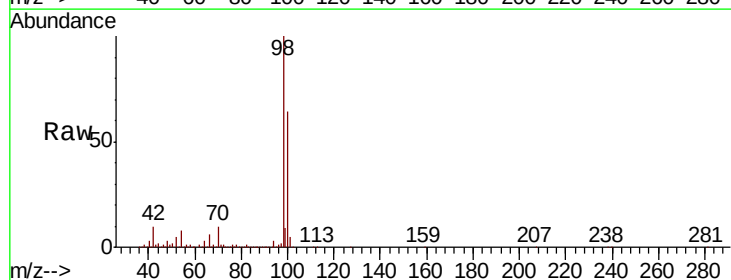
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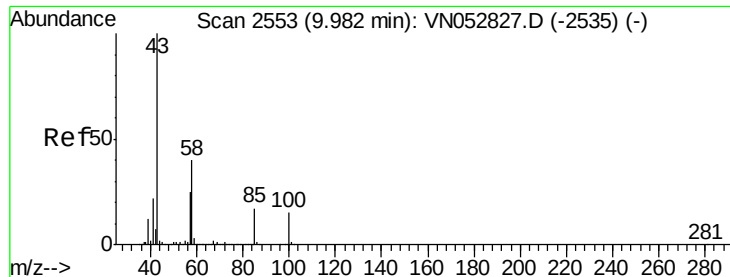
MMDadoda
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#50
 Toluene-d8
 Concen: 1064.497 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion	98	Resp	1881123
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





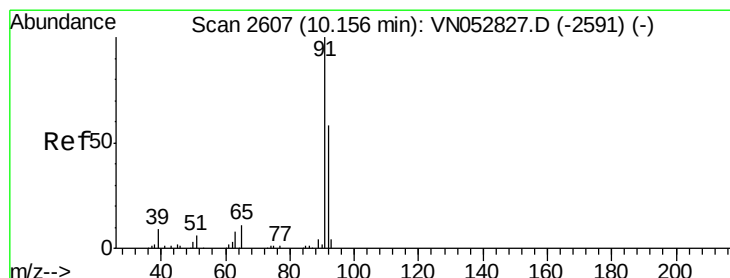
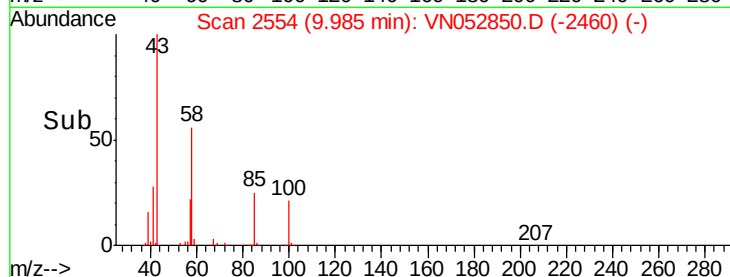
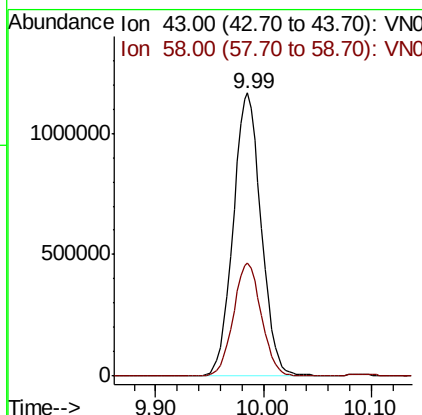
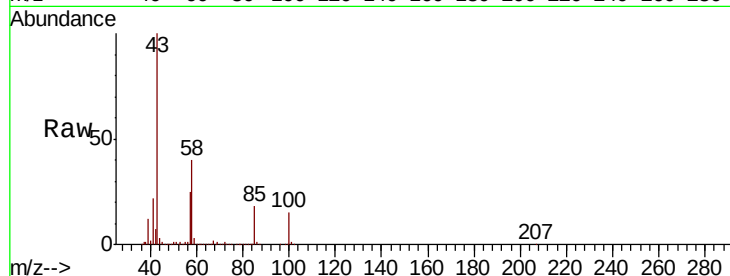
#51
 4-Methyl-2-Pentanone
 Concen: 266.214 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2103175
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.2 48.4

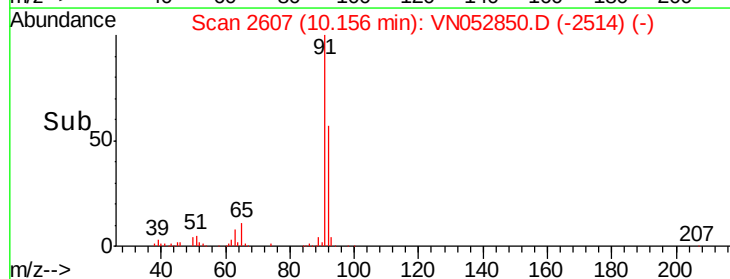
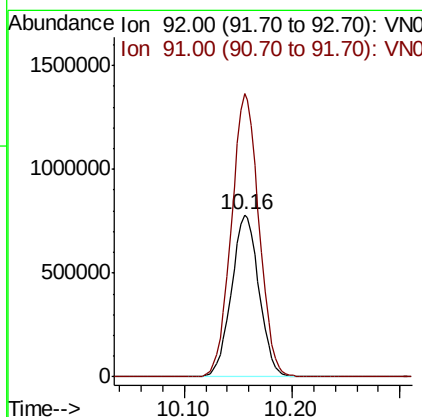
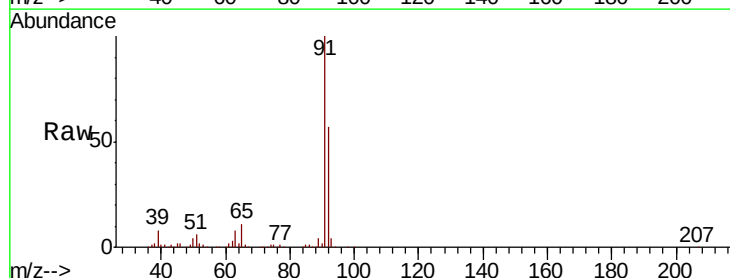
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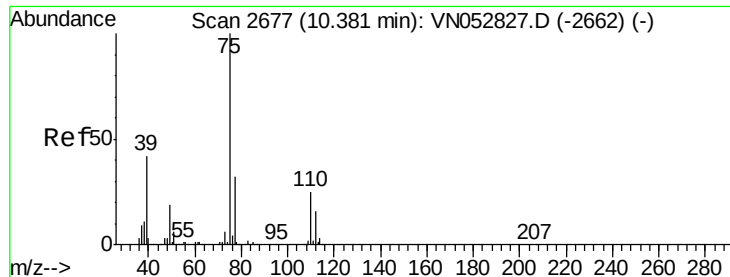
MMDadoda
 12/13/2018 1:36:48 PM



#52
 Toluene
 Concen: 54.531 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion: 92 Resp: 1386641
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 51.077 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 679735

Ion Ratio Lower Upper

75 100

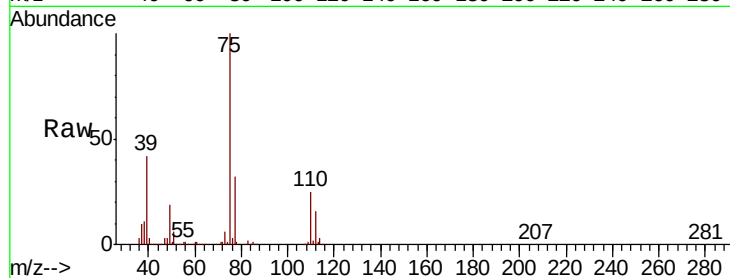
77 31.9 25.6 38.4

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

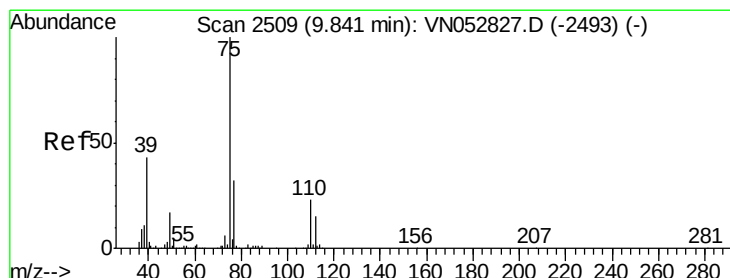
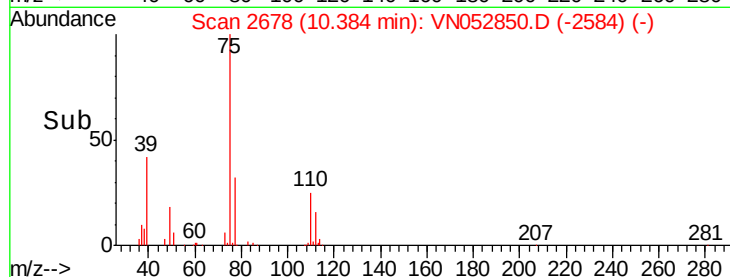
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.999 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

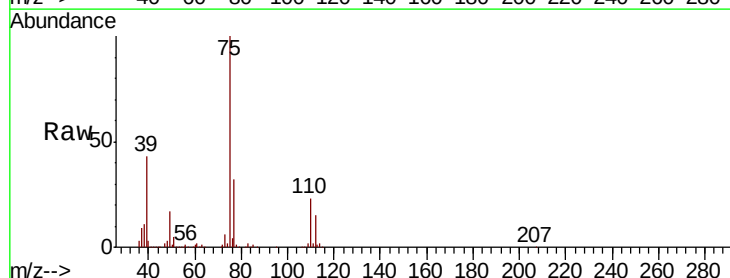
Tgt Ion: 75 Resp: 792906

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 43.3 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

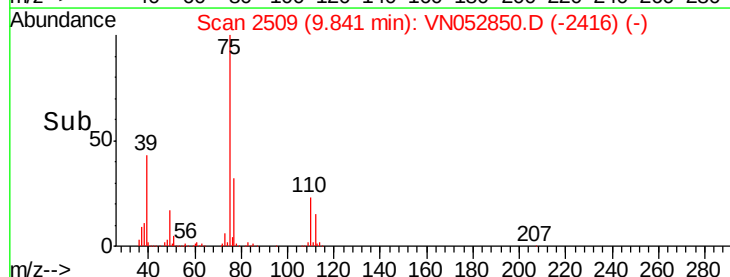
300000

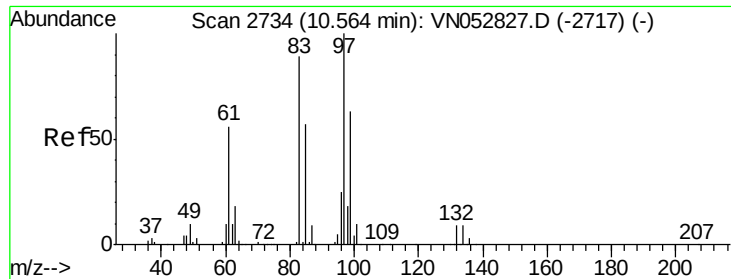
200000

100000

0

Time-->





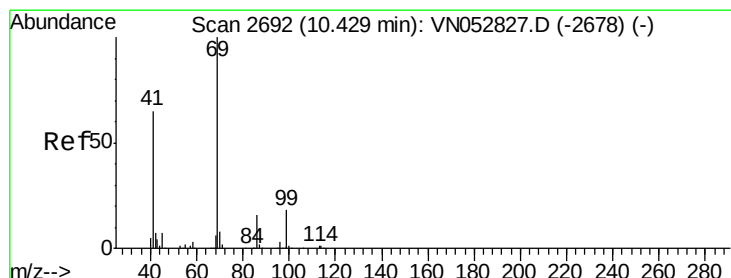
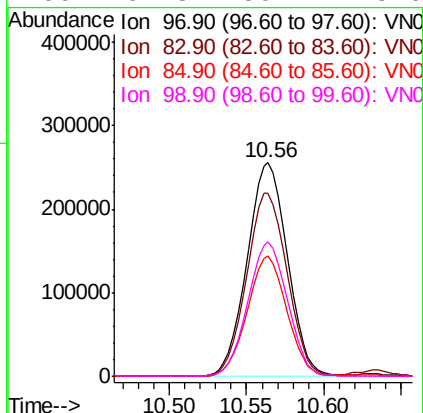
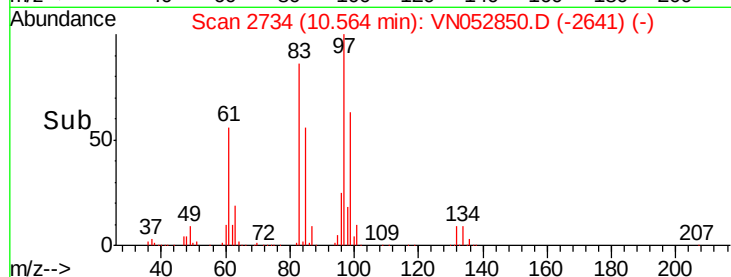
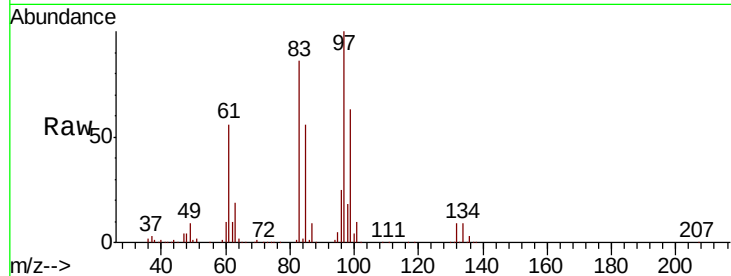
#55
 1,1,2-Trichloroethane
 Concen: 51.108 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	463915
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.9	106.3
85	56.1	45.4	68.2
99	62.8	50.4	75.6

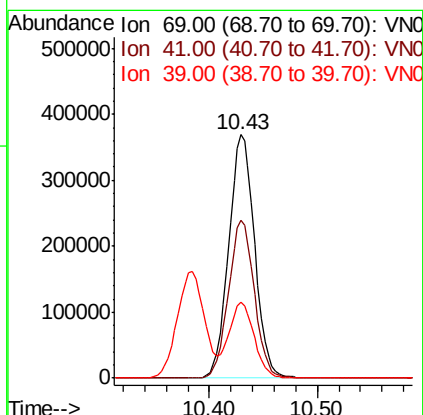
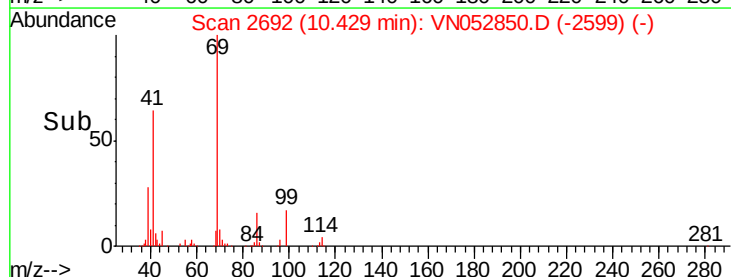
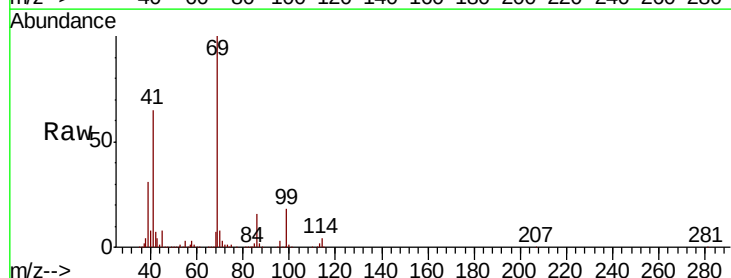
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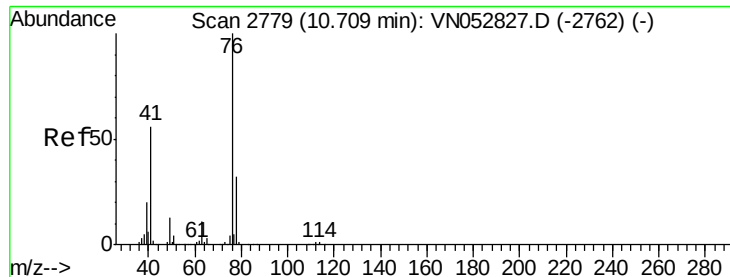
MMDadoda
 12/13/2018 1:36:48 PM



#56
 Ethyl methacrylate
 Concen: 53.035 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion:	69	Resp:	617816
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.7	77.5
39	30.9	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.947 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 793042

Ion Ratio Lower Upper

76 100

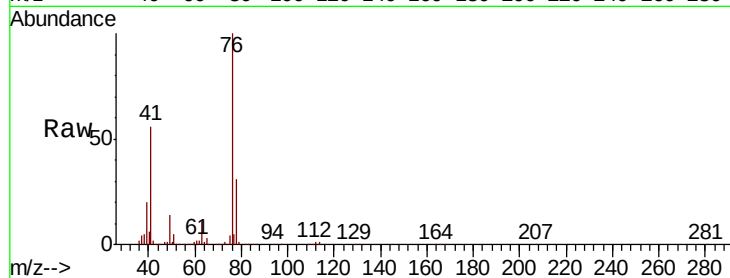
78 32.0 25.8 38.8

Manual Integrations

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12/13/2018 1:36:48 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

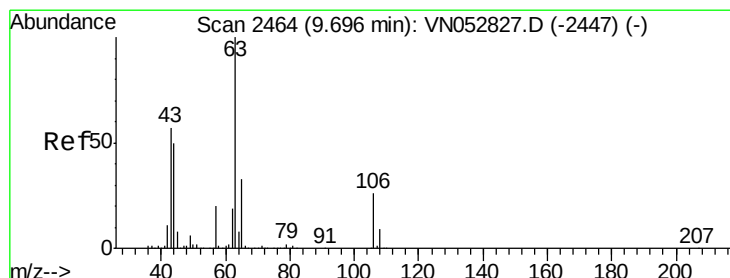
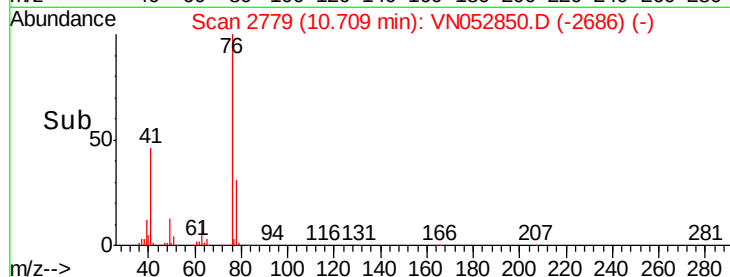
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 269.819 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052850.D

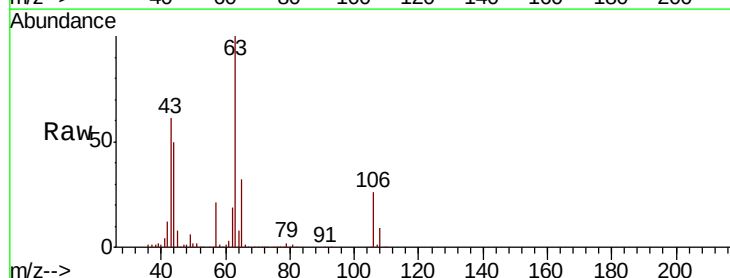
Acq: 13 Dec 2018 1:34

Tgt Ion: 63 Resp: 1753818

Ion Ratio Lower Upper

63 100

106 26.4 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1000000

800000

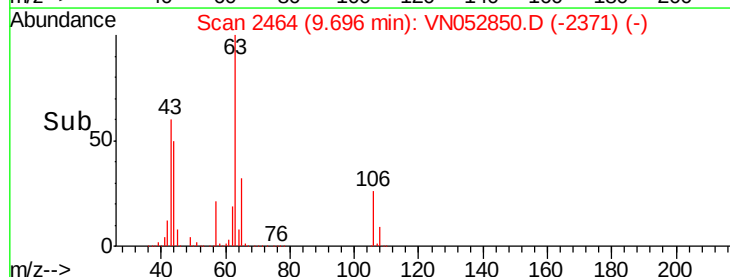
600000

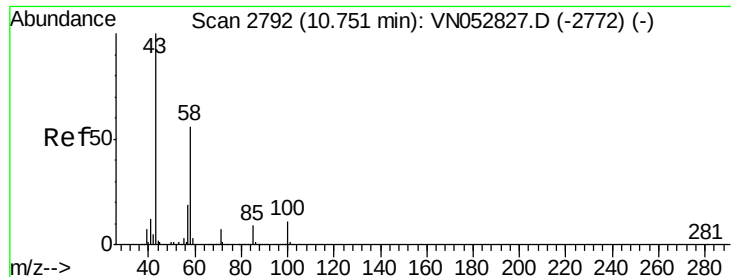
400000

200000

0

Time--> 9.60 9.70 9.80





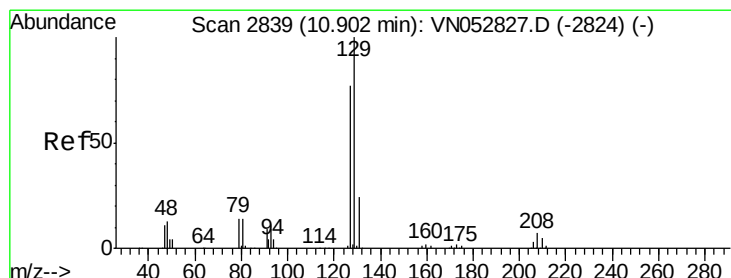
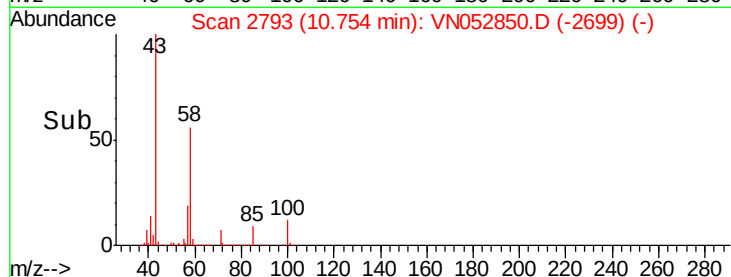
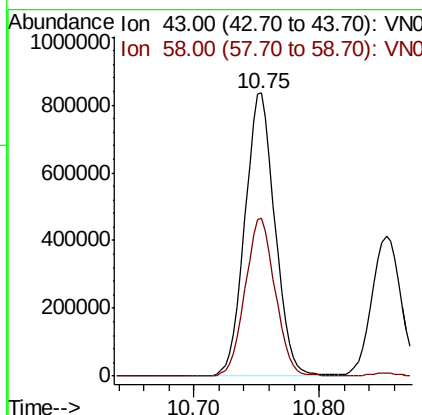
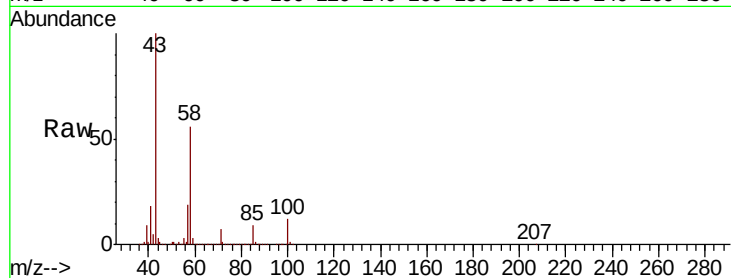
#59
2-Hexanone
Concen: 257.077 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1391876
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3

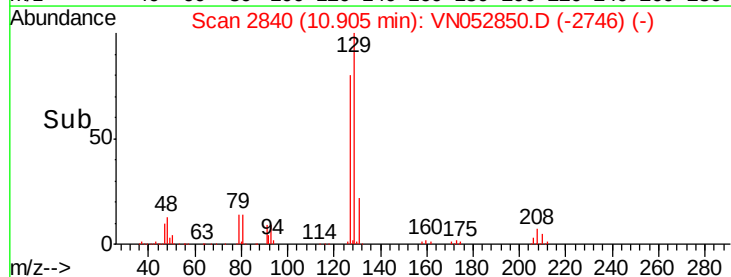
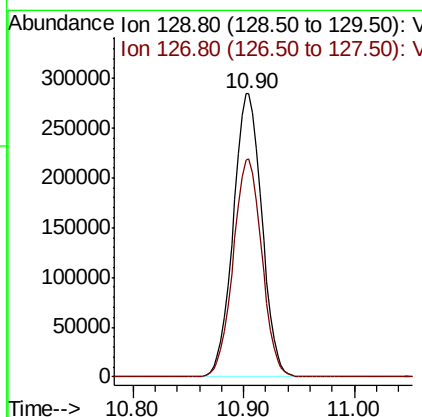
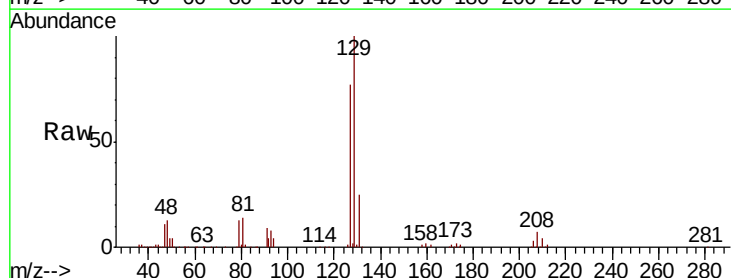
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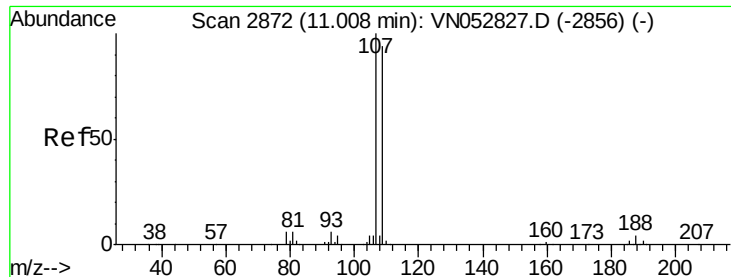
MMDadoda
12/13/2018 1:36:48 PM



#60
Dibromochloromethane
Concen: 52.167 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion: 129 Resp: 511774
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.650 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 463429

Ion Ratio Lower Upper

107 100

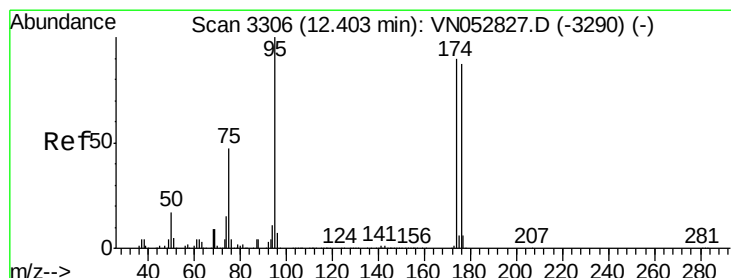
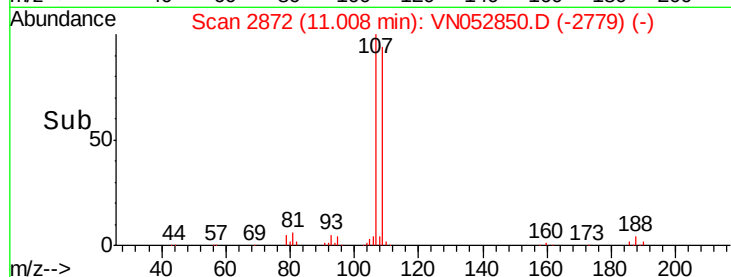
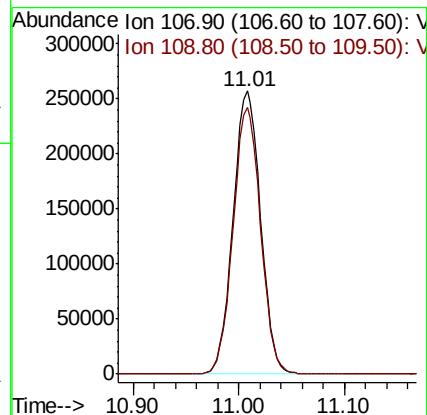
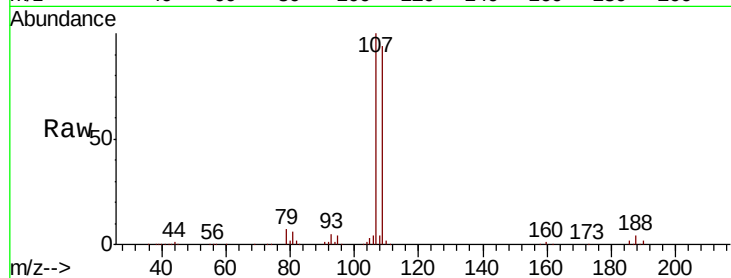
109 94.4 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 51.650 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

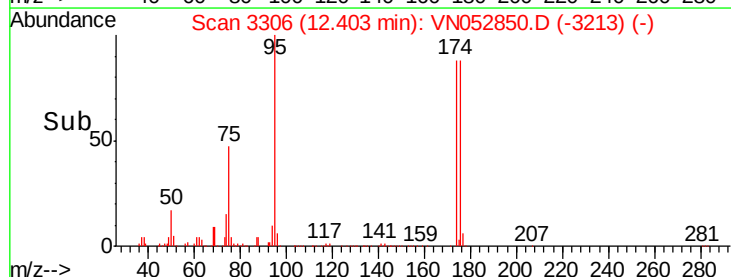
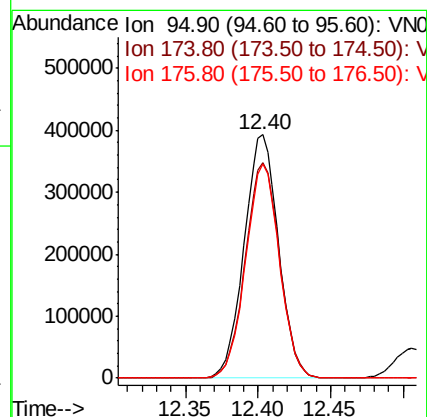
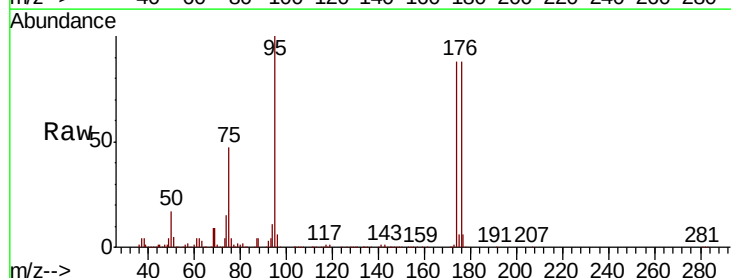
Tgt Ion: 95 Resp: 645537

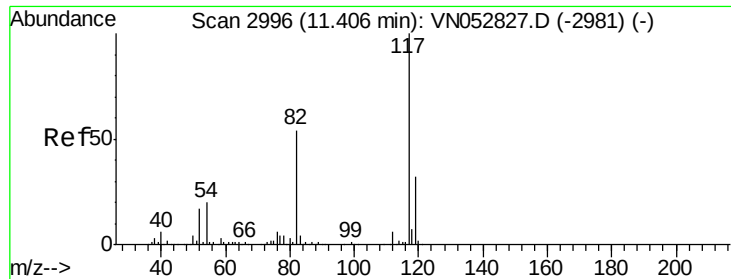
Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

176 86.8 0.0 173.8





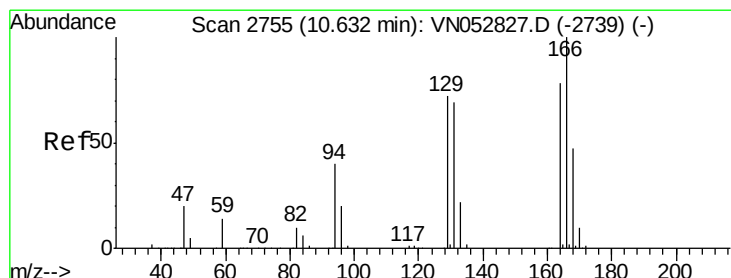
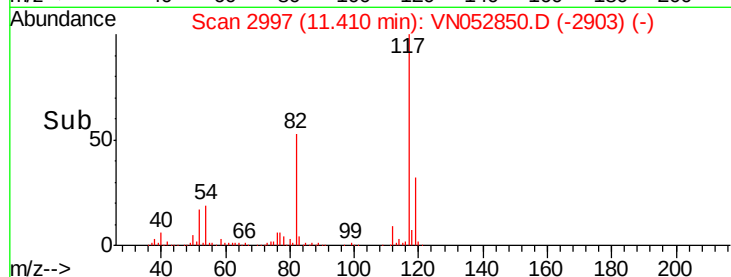
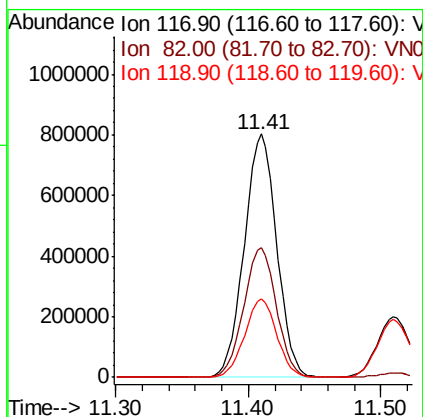
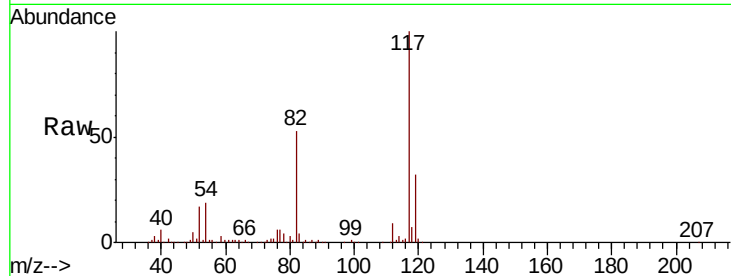
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1362414
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 32.2 25.5 38.3

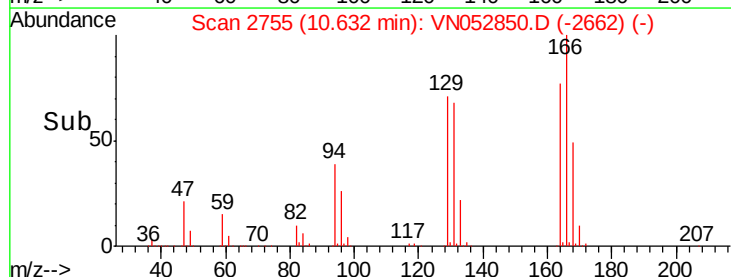
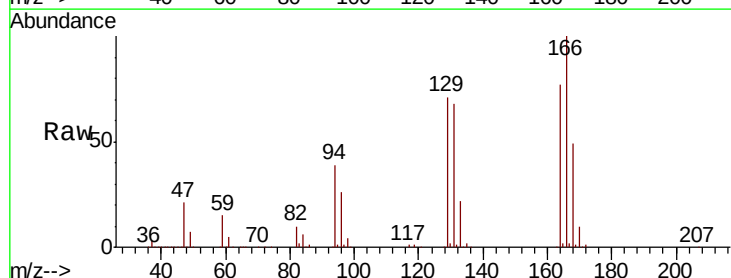
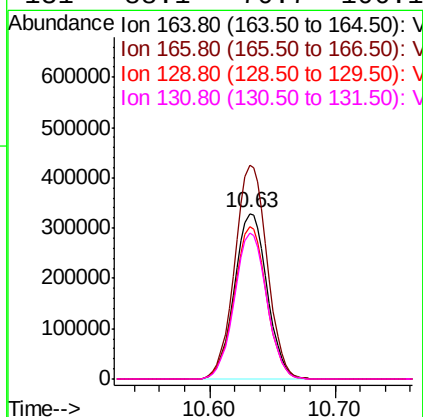
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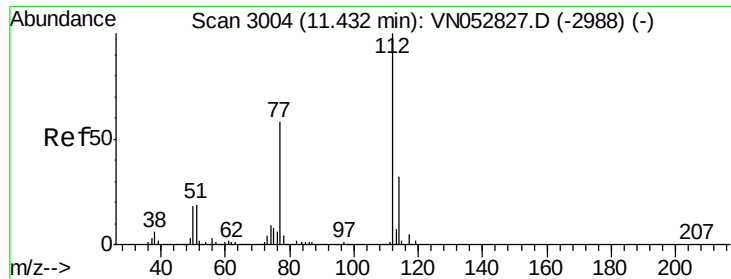
MMDadoda
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#64
Tetrachloroethene
Concen: 50.851 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion:164 Resp: 595448
Ion Ratio Lower Upper
164 100
166 129.0 102.9 154.3
129 92.0 73.7 110.5
131 88.1 70.7 106.1





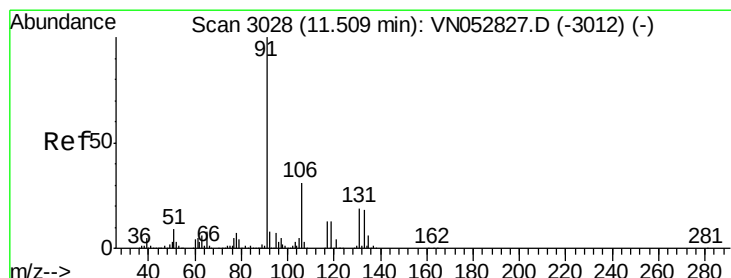
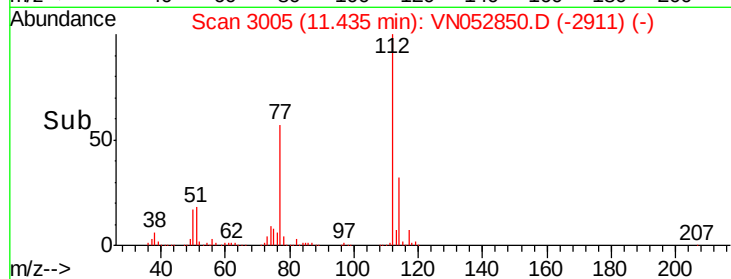
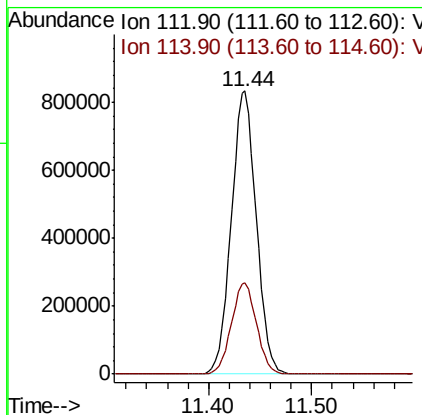
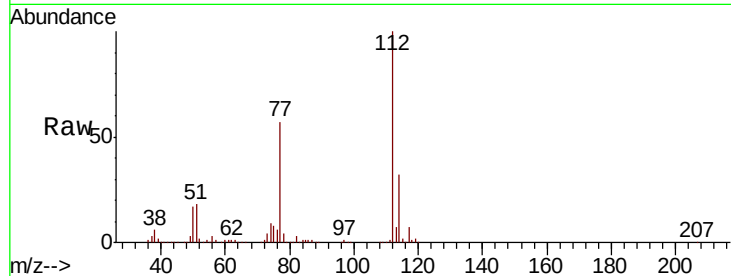
#65
Chlorobenzene
Concen: 49.756 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1406361
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

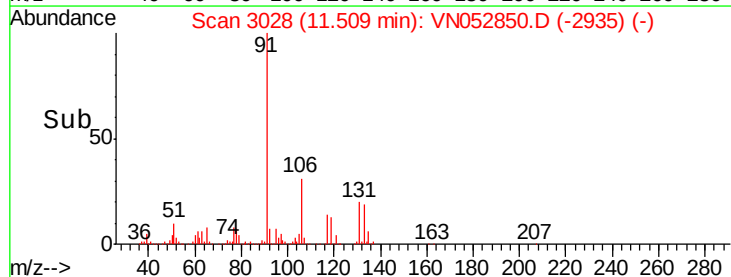
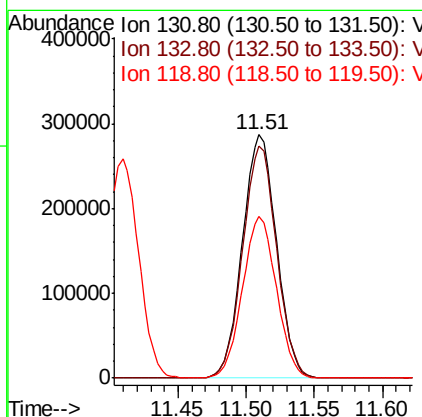
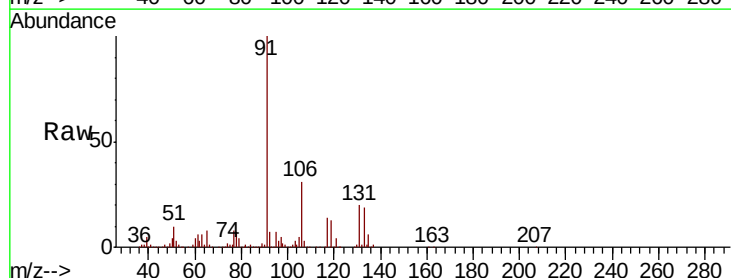
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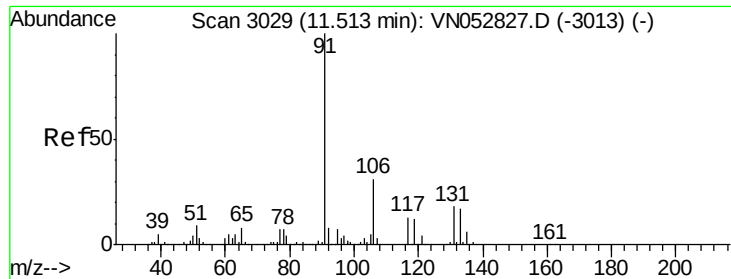
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.535 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion:131 Resp: 496775
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 66.3 33.3 99.8





#67

Ethyl Benzene

Concen: 50.843 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2467938

Ion Ratio Lower Upper

91 100

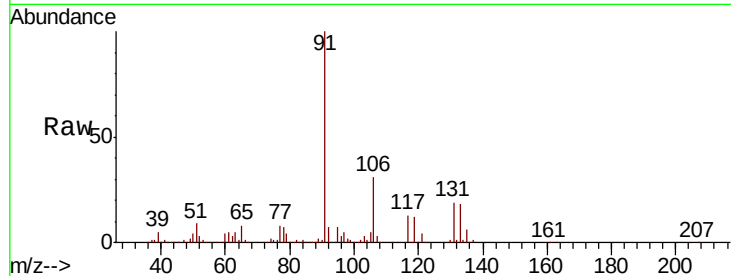
106 31.3 24.9 37.3

Manual Integrations

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12/13/2018 1:36:48 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN052827.D (-3013) (-)

2000000

1500000

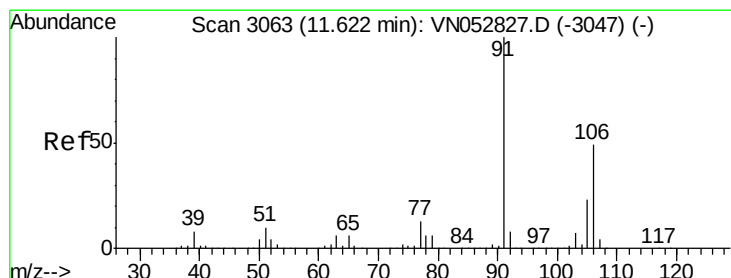
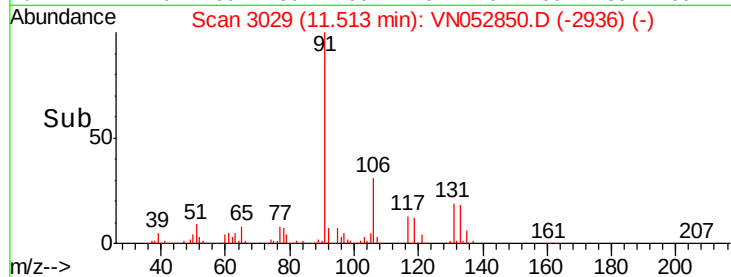
1000000

500000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 102.102 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052850.D

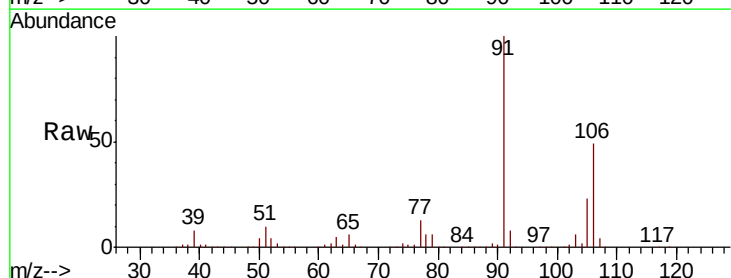
Acq: 13 Dec 2018 1:34

Tgt Ion: 106 Resp: 1860938

Ion Ratio Lower Upper

106 100

91 203.3 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN052827.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN052827.D (-3047) (-)

2000000

1500000

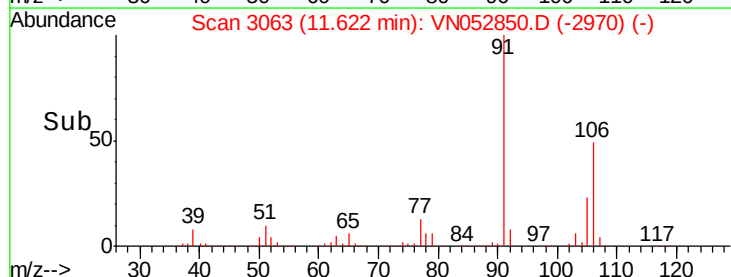
1000000

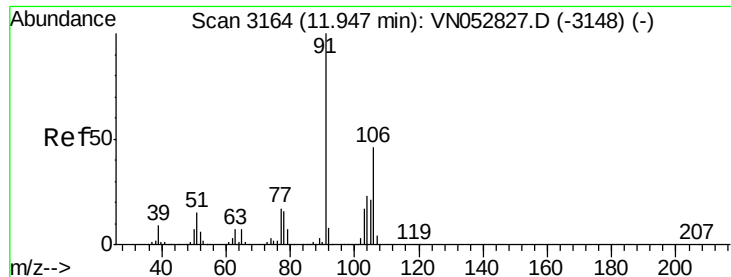
500000

0

11.50 11.60 11.70

Time-->





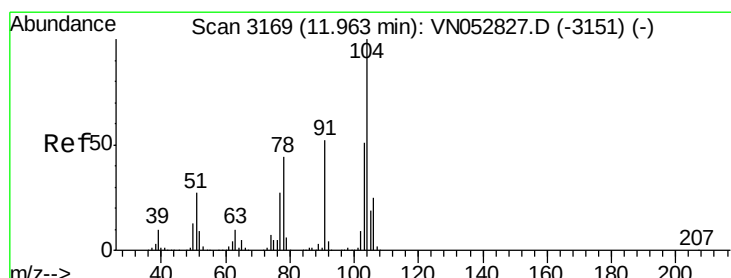
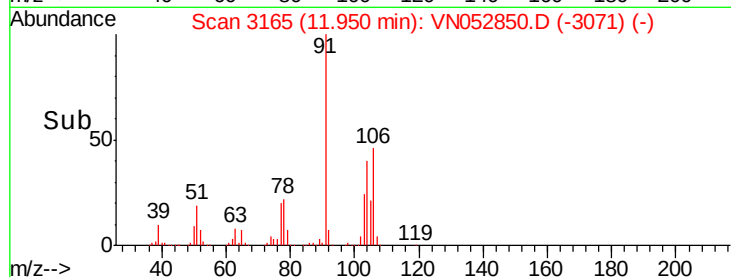
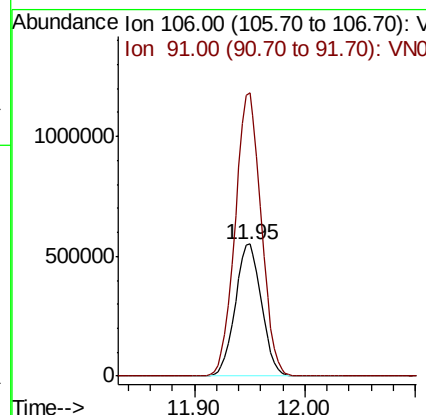
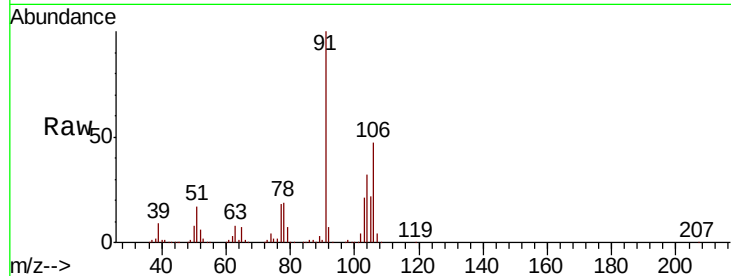
#69
o-Xylene
Concen: 51.169 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.4	106.6	319.8

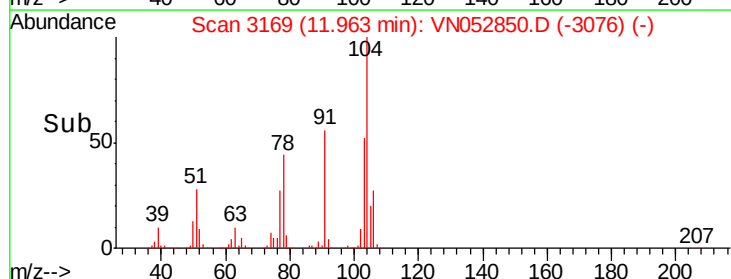
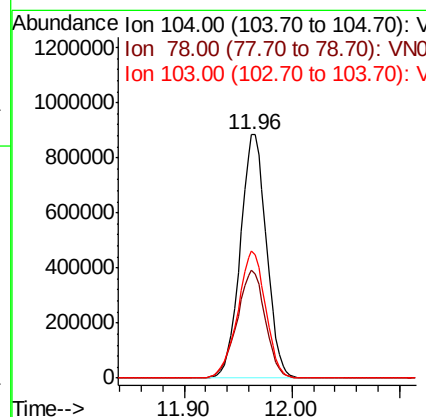
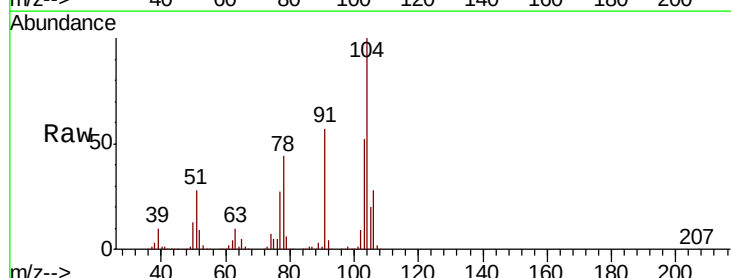
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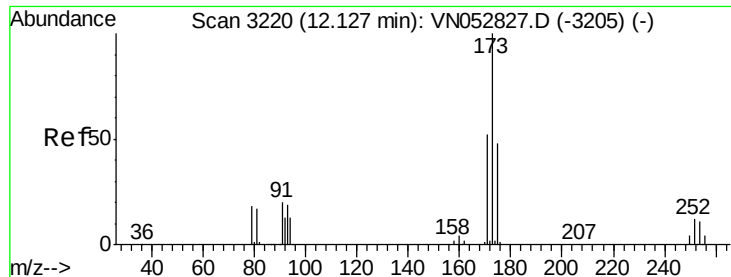
MMDadoda
12/13/2018 1:36:48 PM



#70
Styrene
Concen: 52.299 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.9	58.3
103	55.6	44.3	66.5





#71

Bromoform

Concen: 51.876 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 346445

Ion Ratio Lower Upper

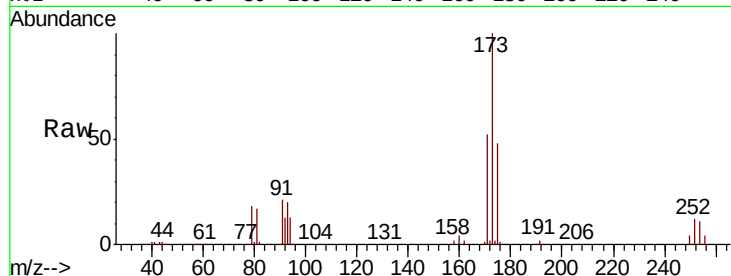
173 100

175 49.1 24.3 72.9

254 0.2 0.1 0.1#

Manual Integrations
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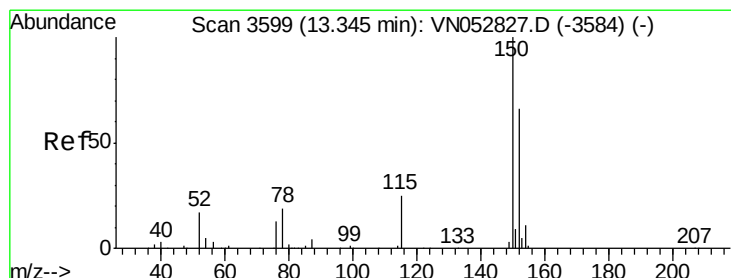
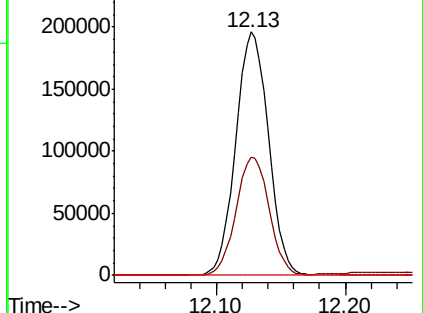
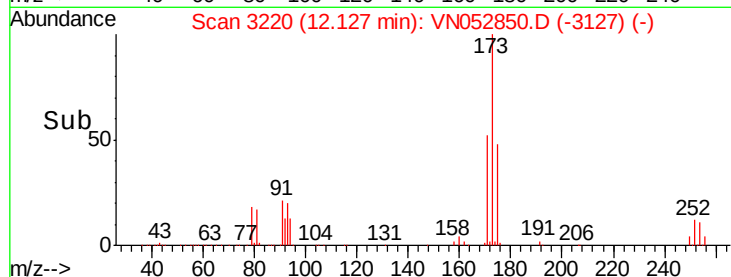
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

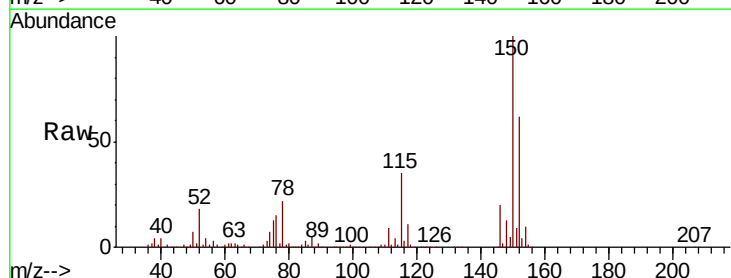
Tgt Ion:152 Resp: 646618

Ion Ratio Lower Upper

152 100

115 55.9 28.3 85.0

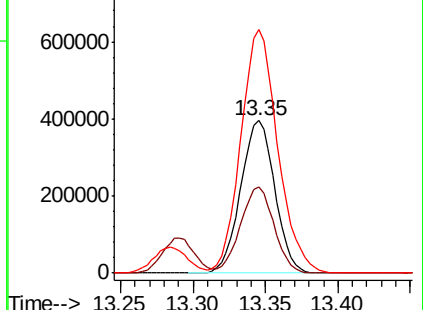
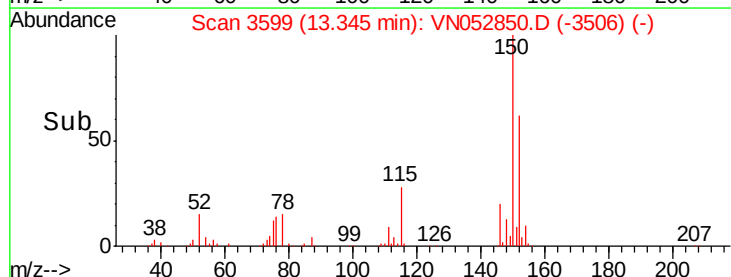
150 172.9 0.0 347.8

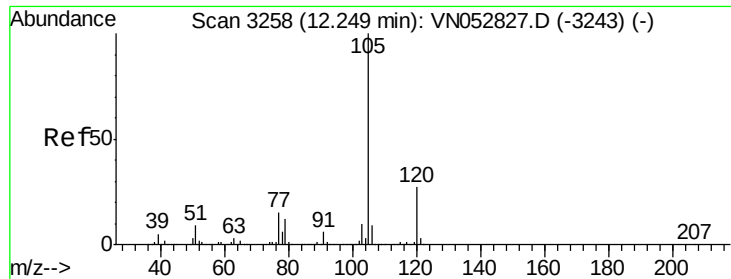


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.541 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2440043

Ion Ratio Lower Upper

105 100

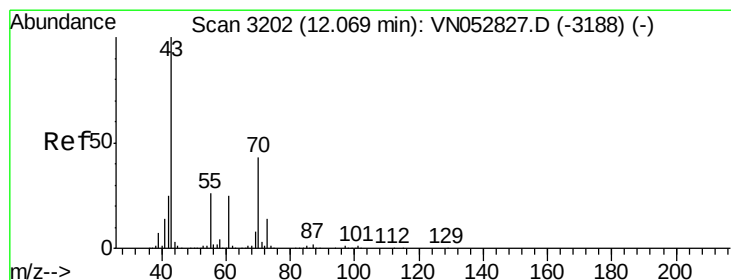
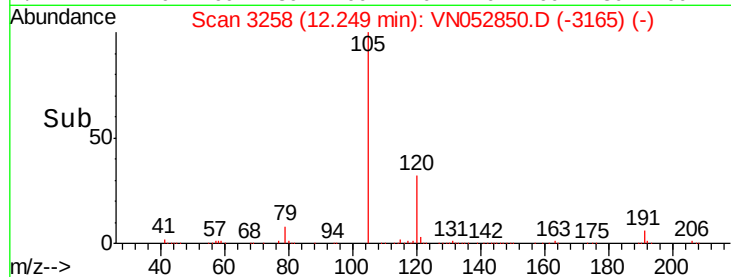
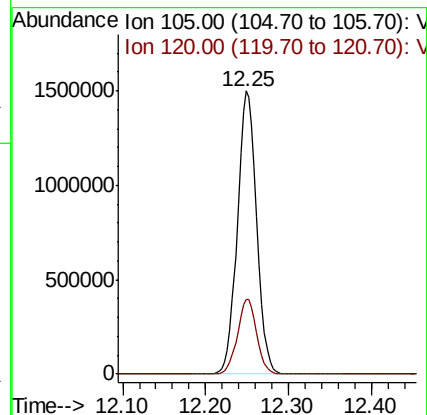
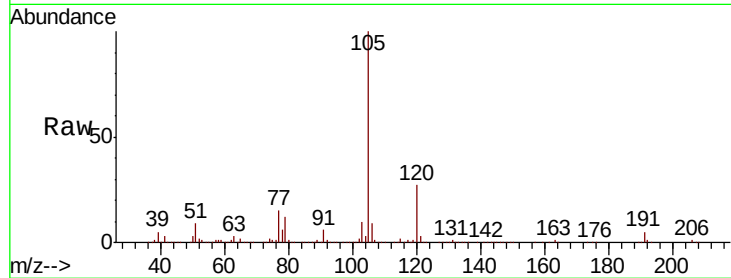
120 26.4 13.3 39.9

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#74

N-ethyl acetate

Concen: 53.816 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Tgt Ion: 43 Resp: 713310

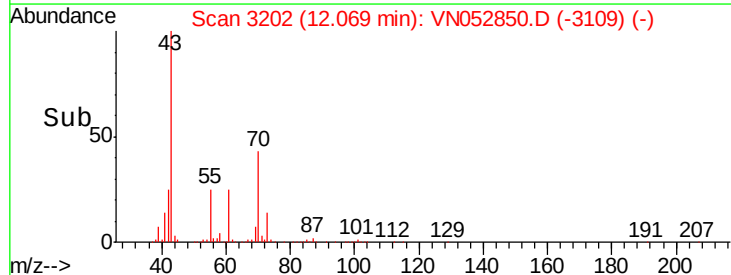
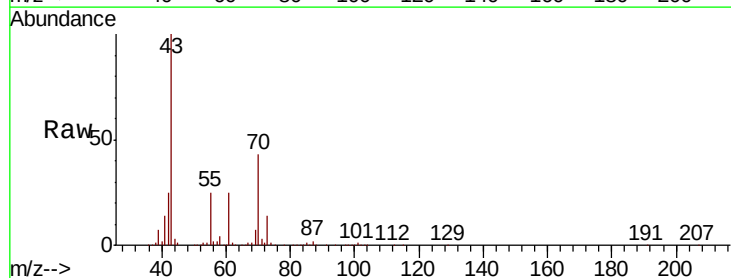
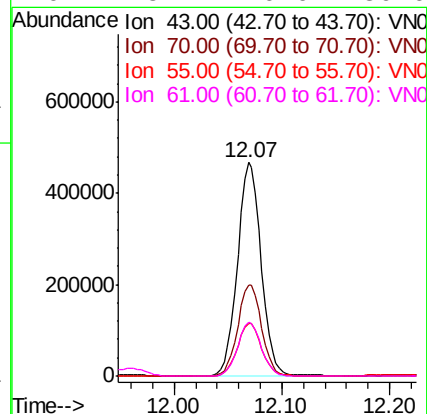
Ion Ratio Lower Upper

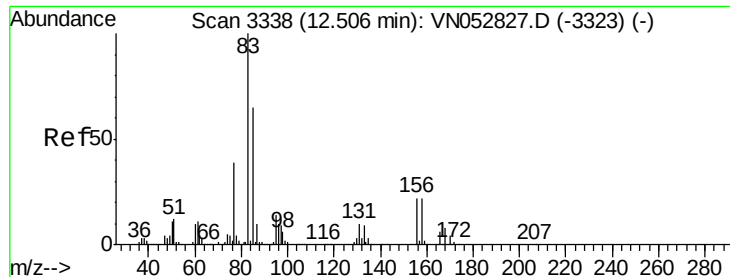
43 100

70 43.3 34.2 51.4

55 25.3 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.016 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 530354
Ion Ratio Lower Upper

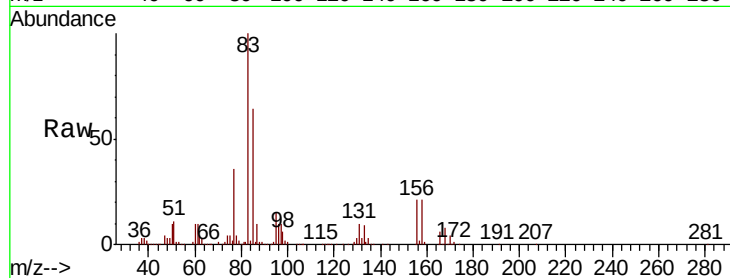
83 100

131 10.4 5.2 15.6

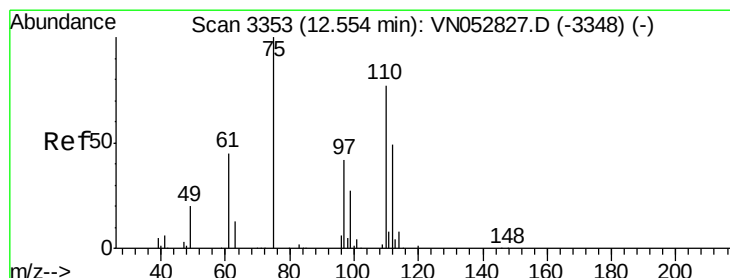
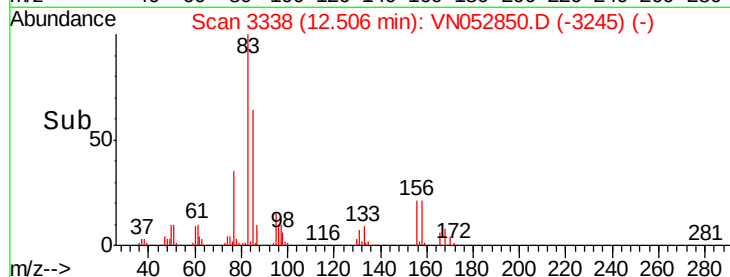
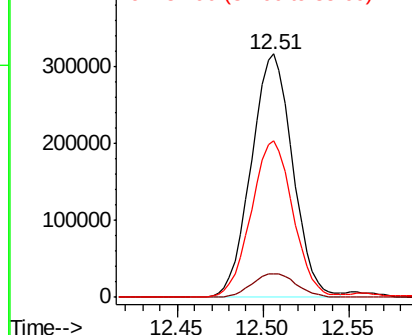
85 64.7 32.4 97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.608 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

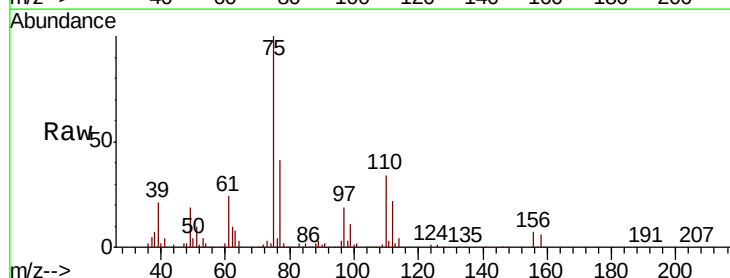
Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

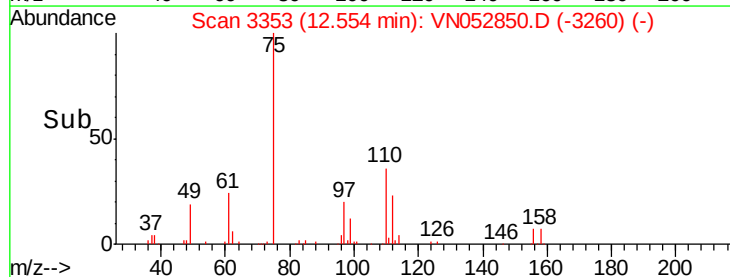
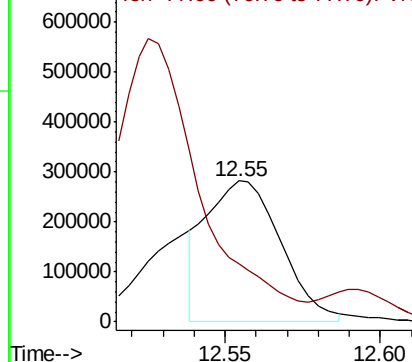
Tgt Ion: 75 Resp: 473268
Ion Ratio Lower Upper

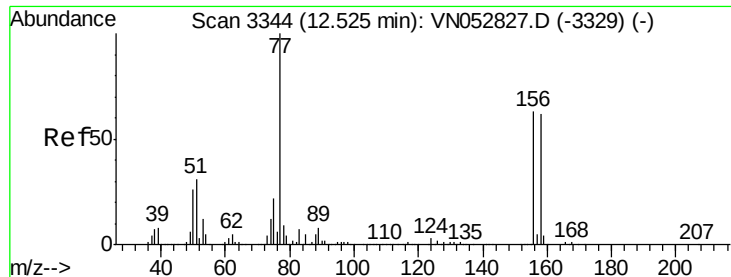
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.508 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

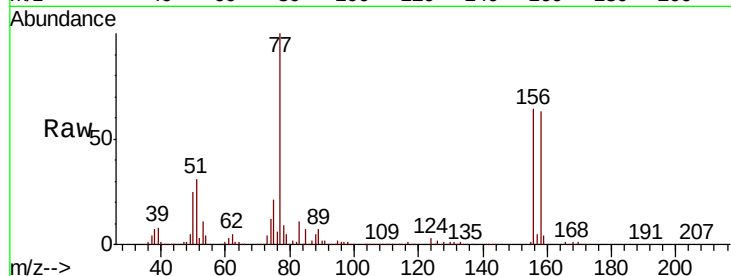
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	607931
Ion Ratio	Lower	Upper	
156	100		
77	182.8	91.3	273.8
158	98.0	49.0	147.2

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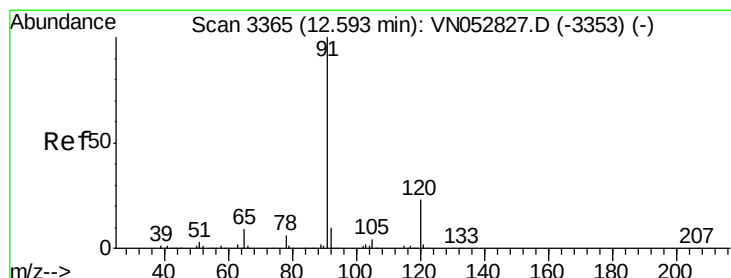
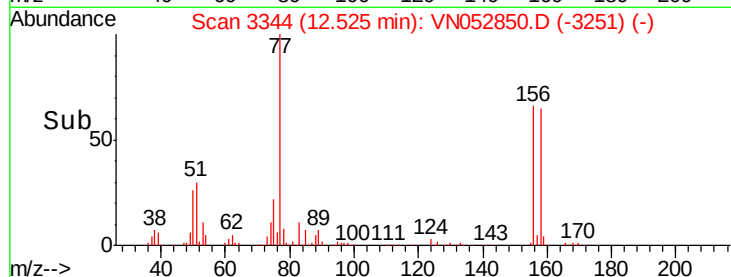
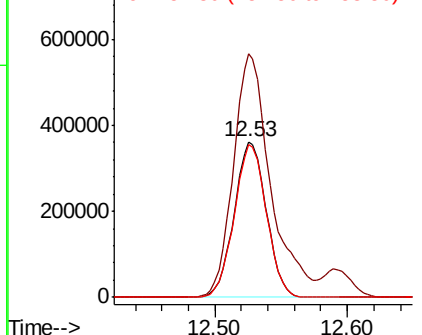
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.117 ug/l

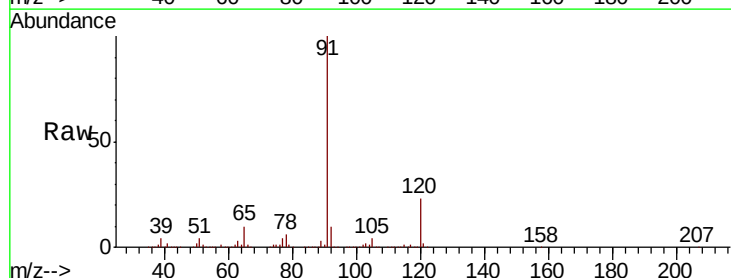
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052850.D

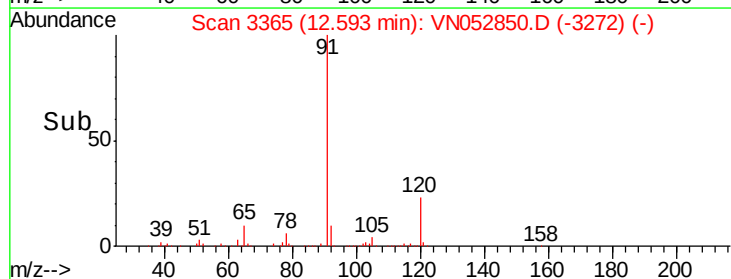
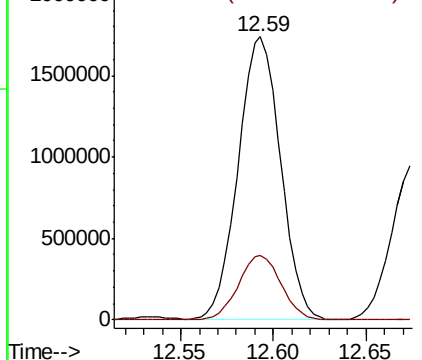
Acq: 13 Dec 2018 1:34

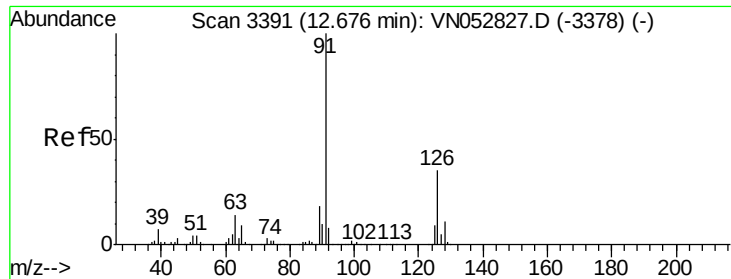
Tgt Ion:	91	Resp:	2759487
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.563 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1613355

Ion Ratio Lower Upper

91 100

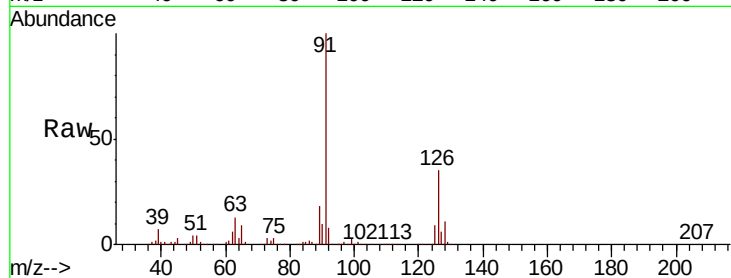
126 35.0 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)

1500000

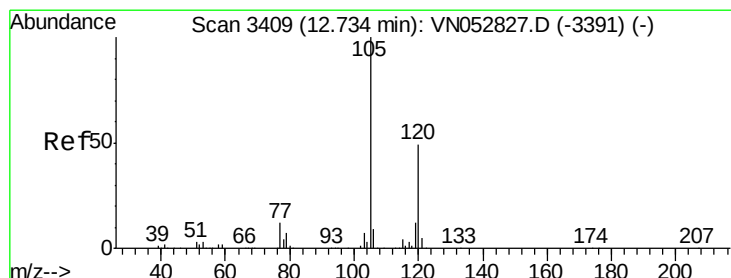
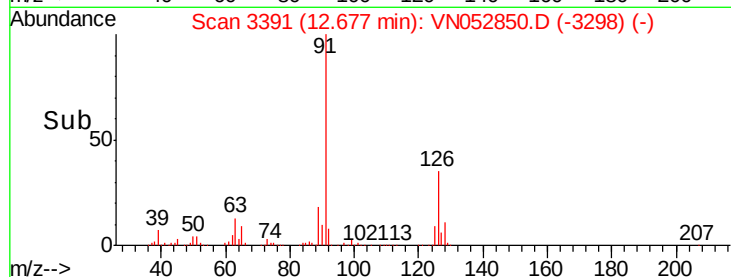
1000000

500000

0

12.68

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 50.215 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052850.D

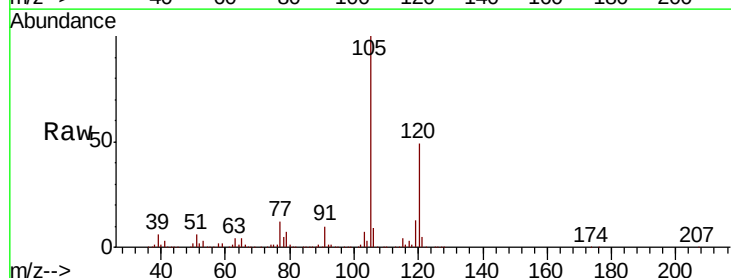
Acq: 13 Dec 2018 1:34

Tgt Ion: 105 Resp: 1957033

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)

1500000

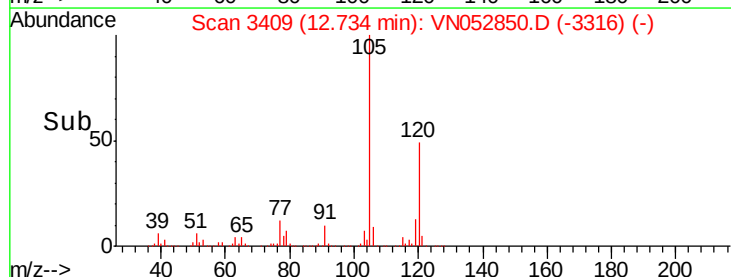
1000000

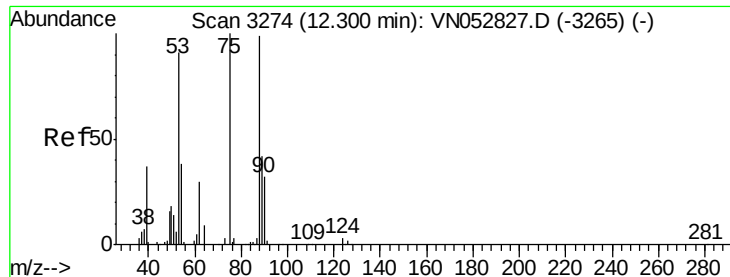
500000

0

12.73

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 50.691 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 150537

Ion Ratio Lower Upper

75 100

53 92.3 74.7 112.1

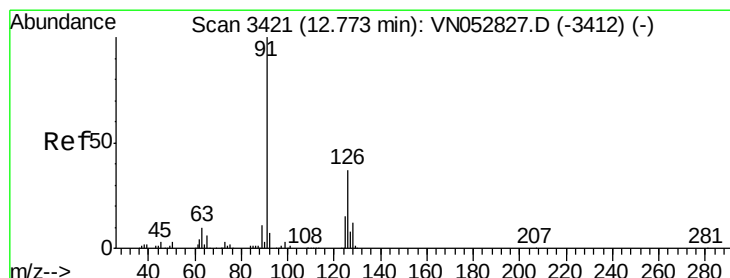
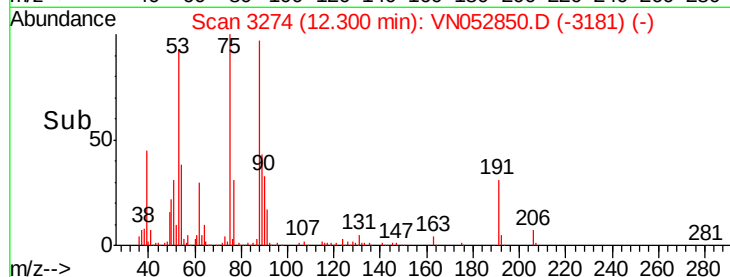
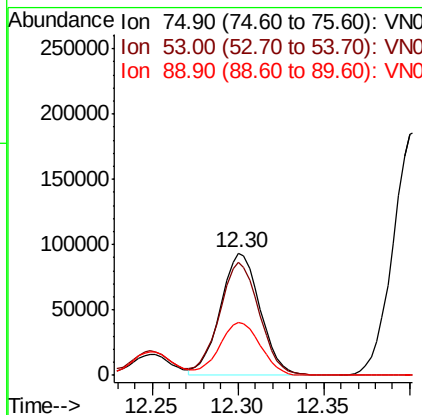
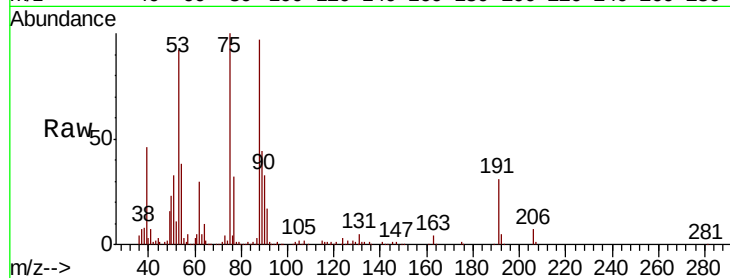
89 44.6 36.1 54.1

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.297 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052850.D

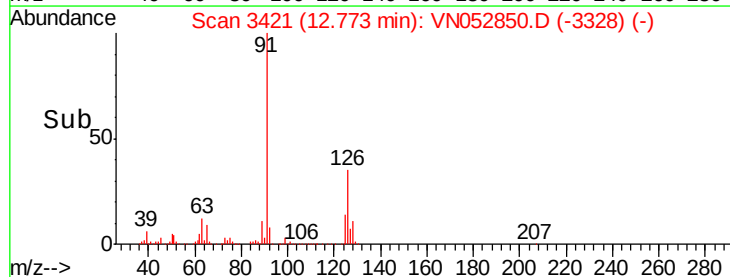
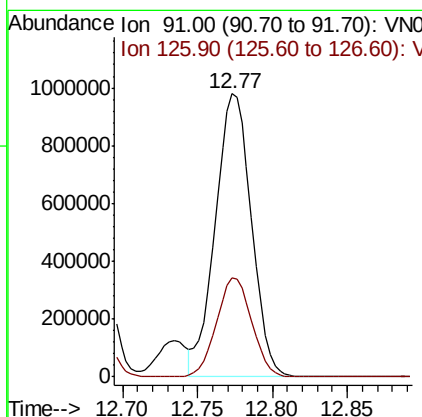
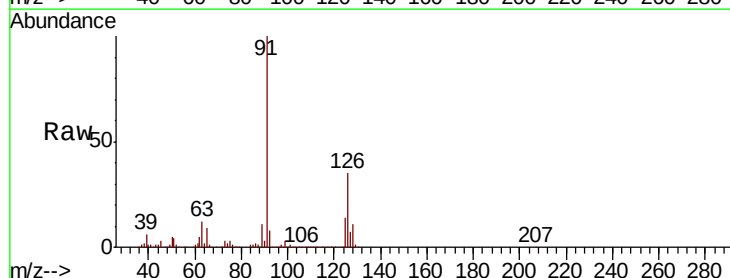
Acq: 13 Dec 2018 1:34

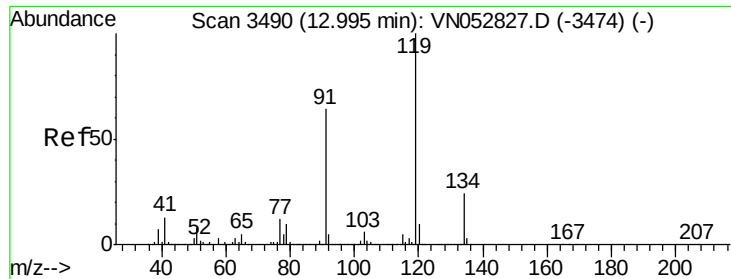
Tgt Ion: 91 Resp: 1640685

Ion Ratio Lower Upper

91 100

126 34.2 17.3 51.7





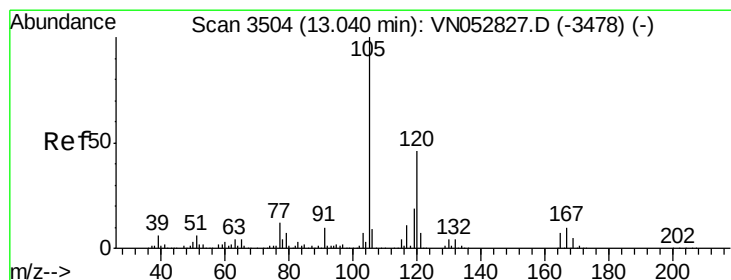
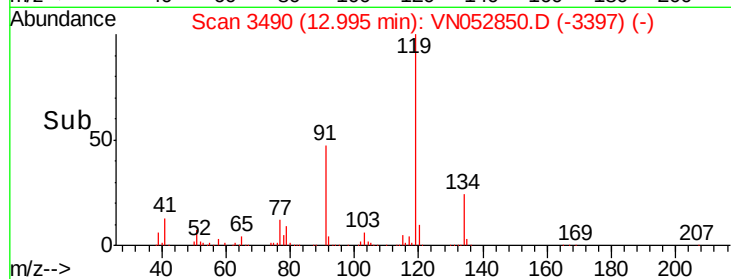
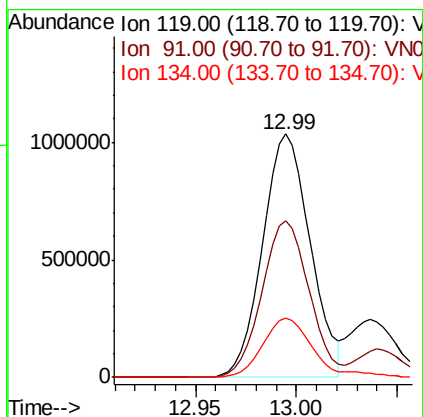
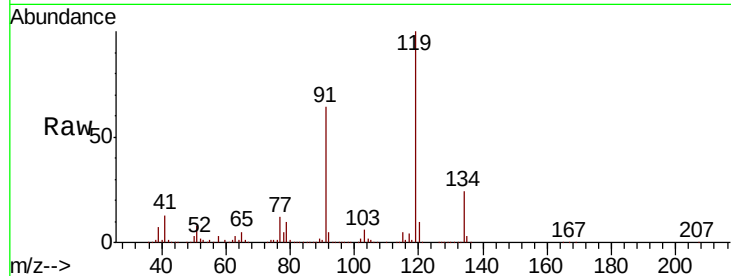
#83
tert-Butylbenzene
Concen: 49.554 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1703629
Ion Ratio Lower Upper
119 100
91 63.8 31.9 95.5
134 25.8 12.8 38.4

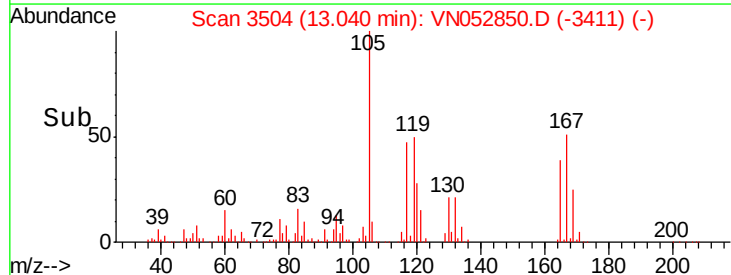
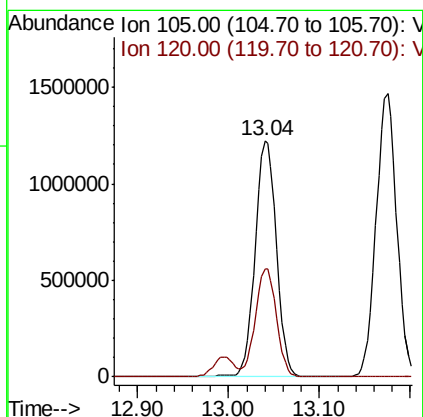
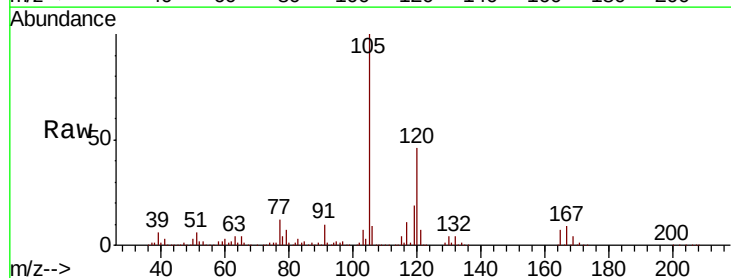
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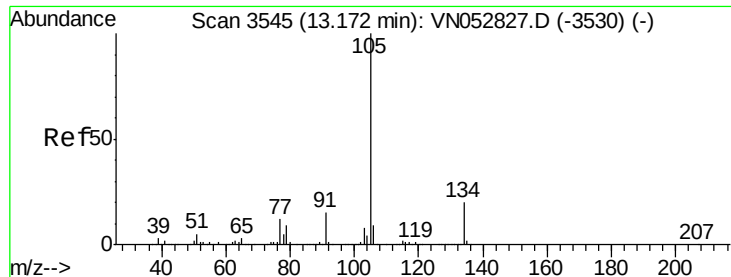
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#84
1,2,4-Trimethylbenzene
Concen: 50.258 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion:105 Resp: 1982930
Ion Ratio Lower Upper
105 100
120 45.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.545 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2306770

Ion Ratio Lower Upper

105 100

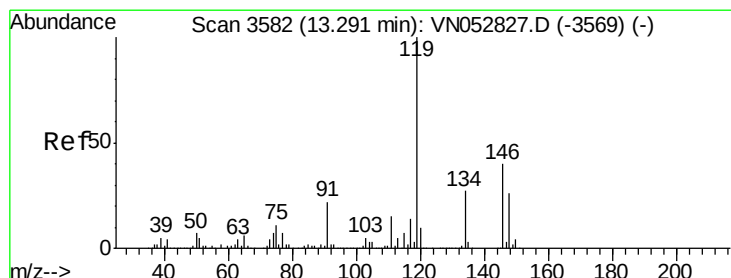
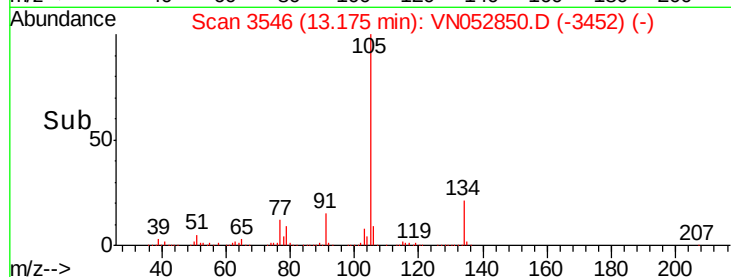
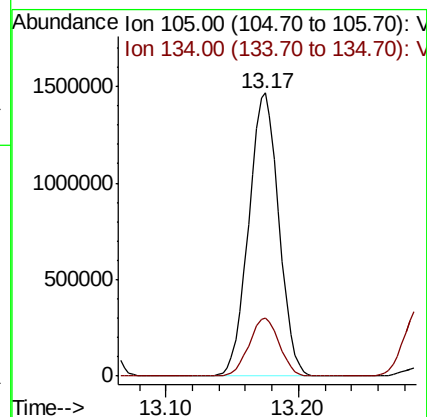
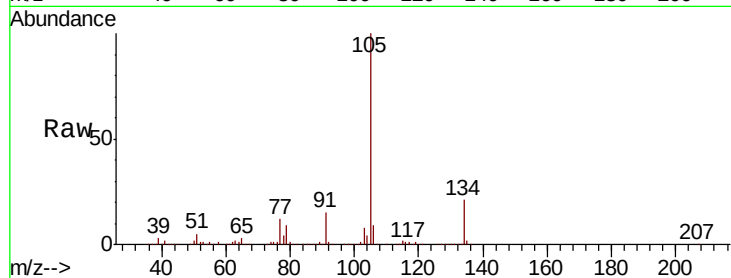
134 20.5 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 49.790 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

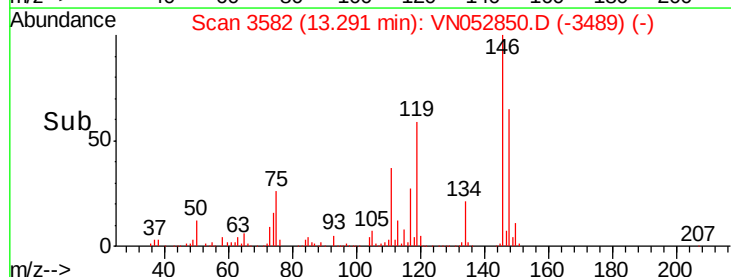
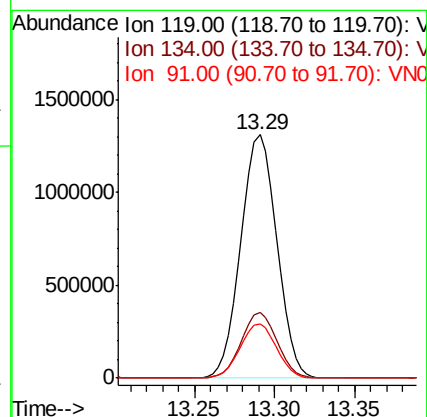
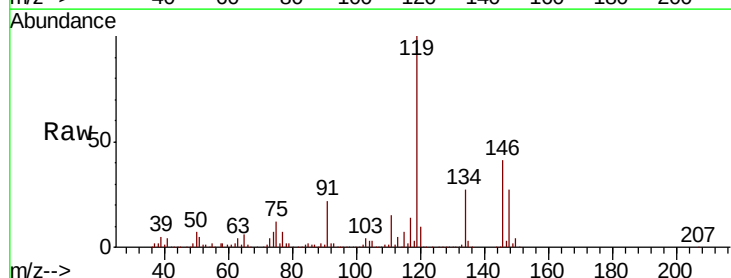
Tgt Ion:119 Resp: 2008423

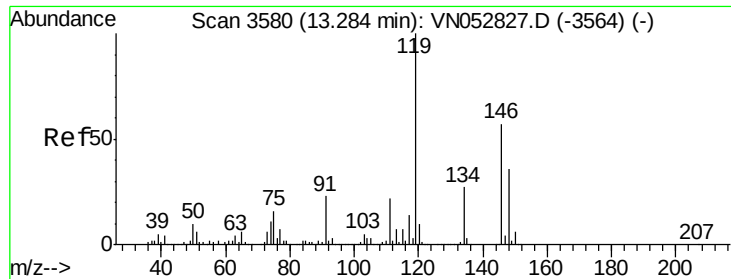
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.4 11.1 33.3





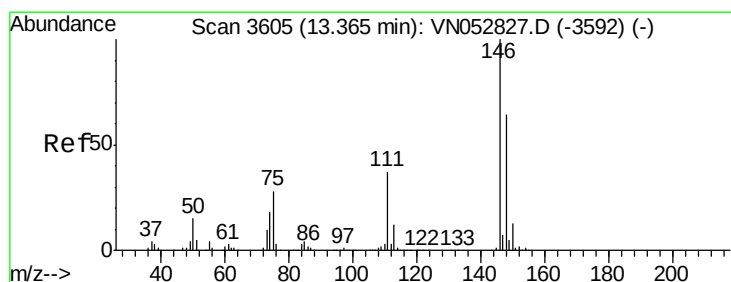
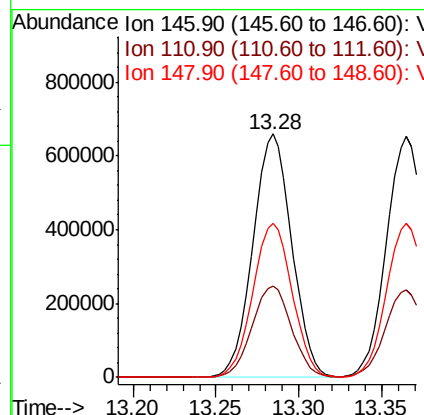
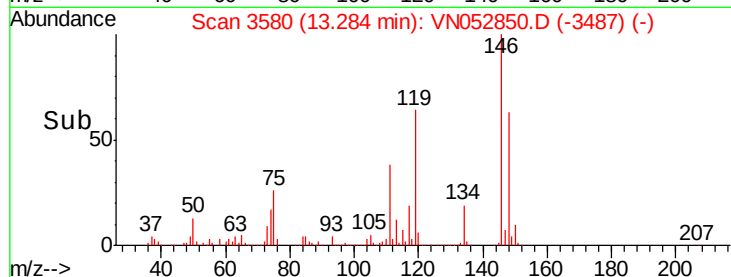
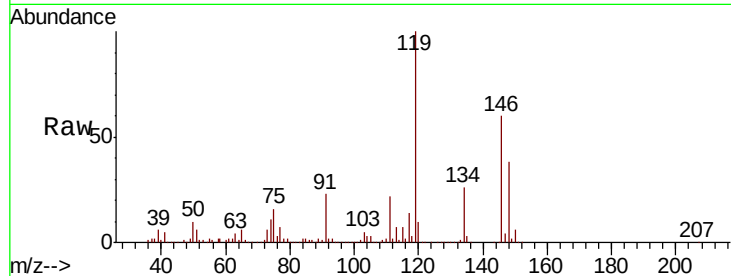
#87
 1,3-Dichlorobenzene
 Concen: 49.163 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.2	32.0	96.0

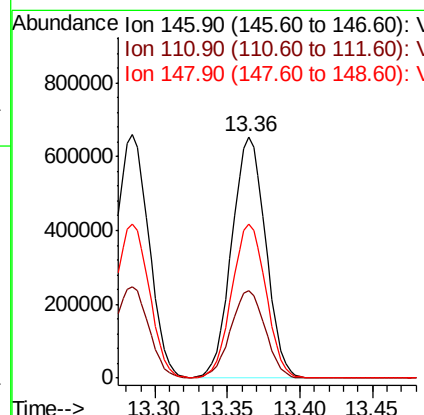
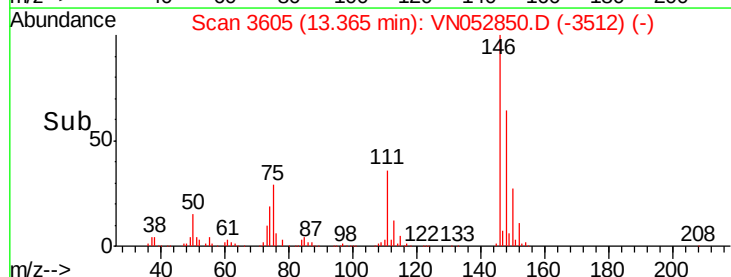
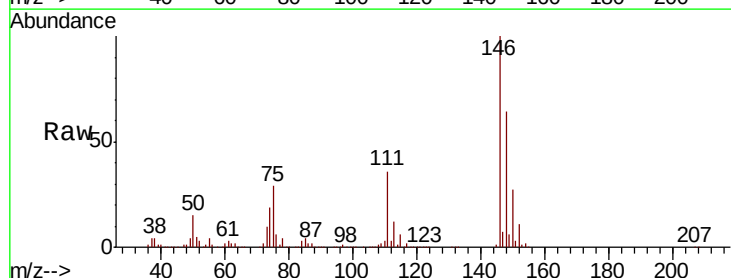
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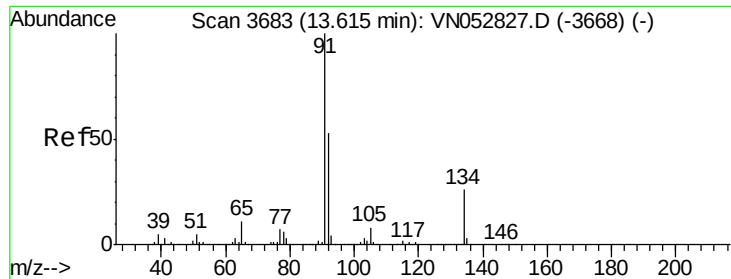
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#88
 1,4-Dichlorobenzene
 Concen: 49.010 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.4	32.1	96.5





#89

n-Butylbenzene

Concen: 49.250 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052850.D

Acq: 13 Dec 2018 1:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1672429

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.9

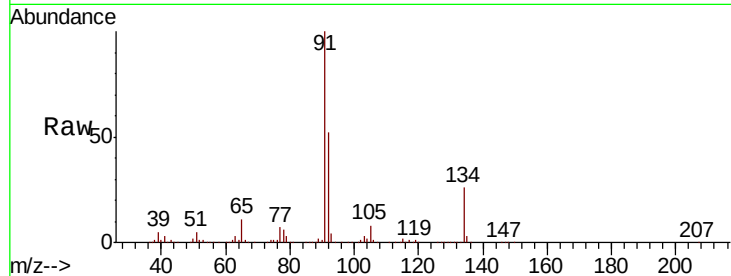
134 26.4 13.3 39.8

Manual Integrations

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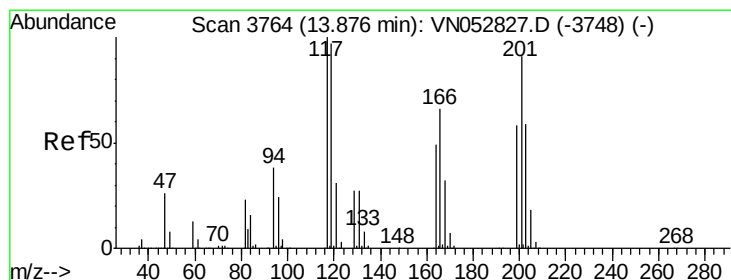
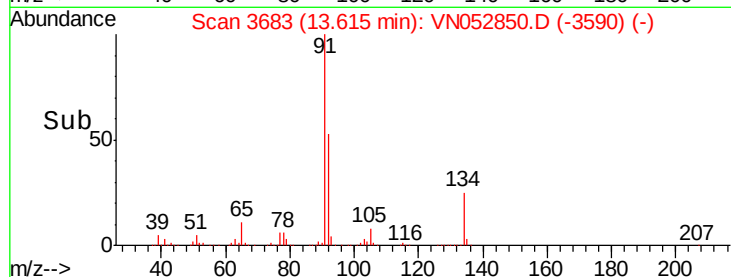
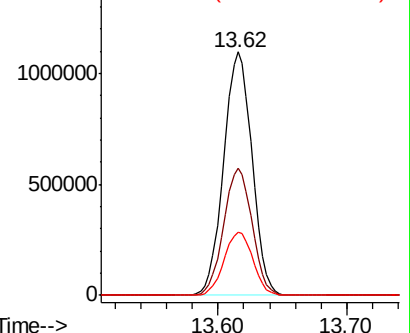
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Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 49.697 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052850.D

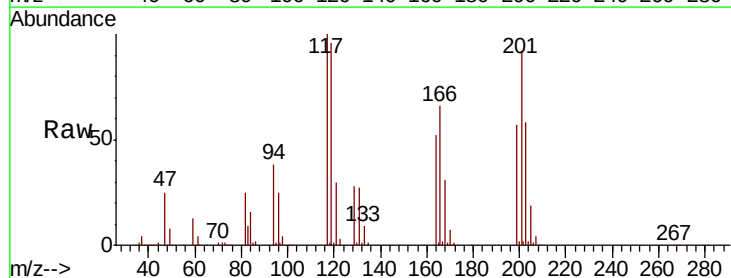
Acq: 13 Dec 2018 1:34

Tgt Ion: 117 Resp: 335682

Ion Ratio Lower Upper

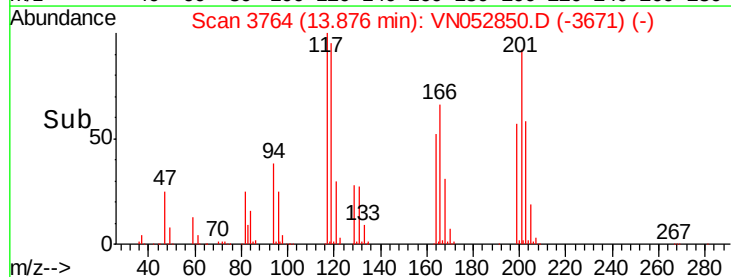
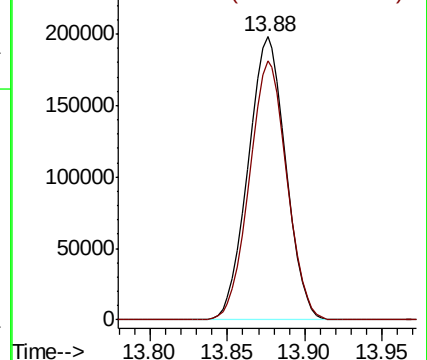
117 100

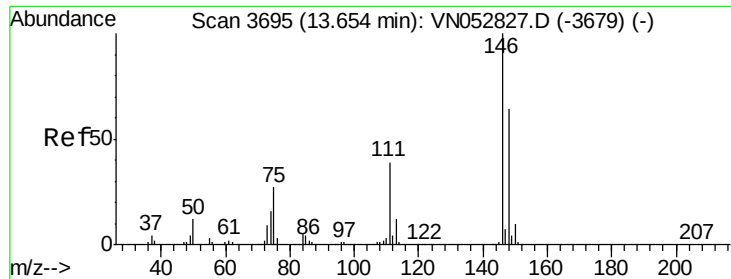
201 91.1 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





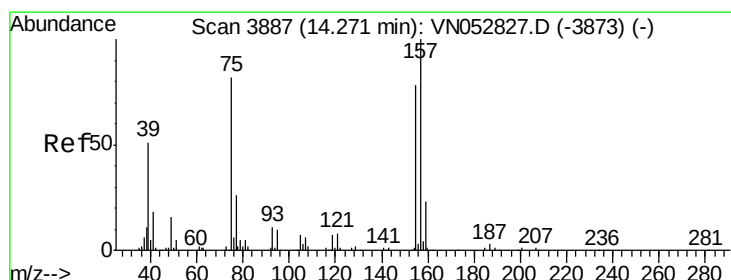
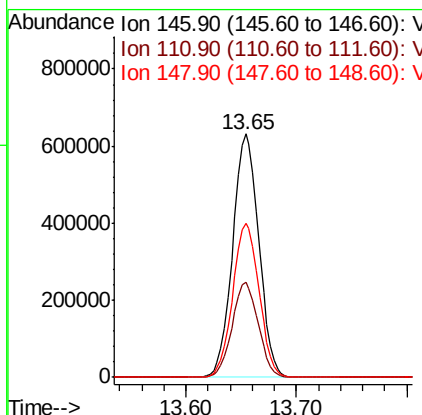
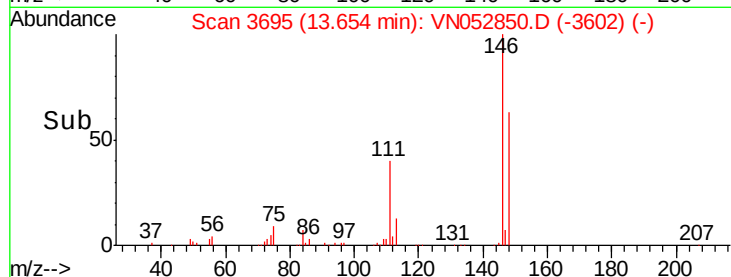
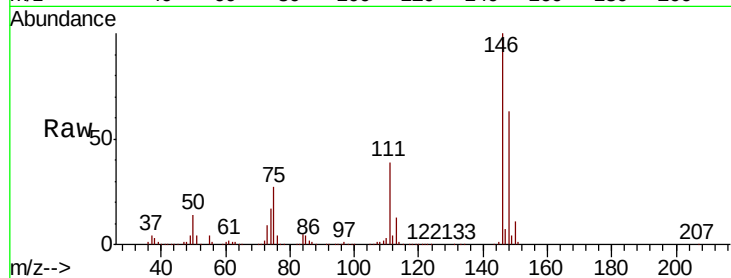
#91
 1,2-Dichlorobenzene
 Concen: 49.401 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1036971
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.7 59.0
 148 63.7 32.0 96.0

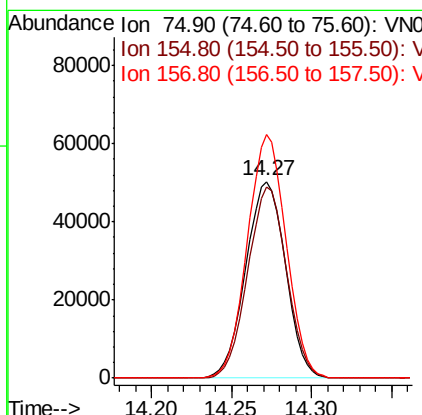
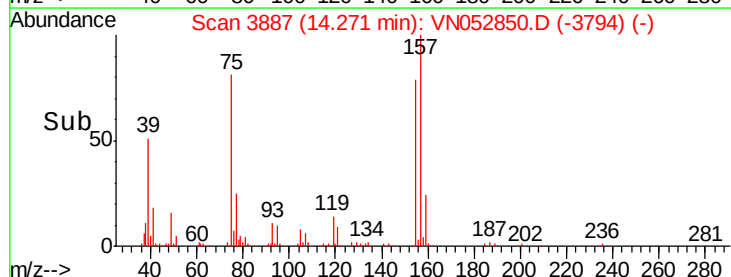
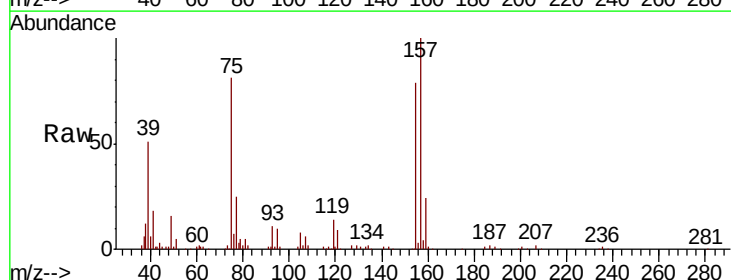
Manual Integrations
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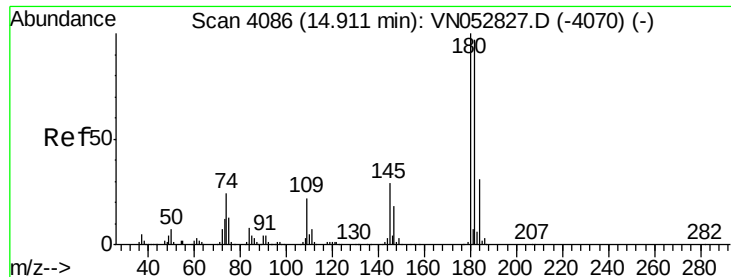
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.495 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052850.D
 Acq: 13 Dec 2018 1:34

Tgt Ion: 75 Resp: 85620
 Ion Ratio Lower Upper
 75 100
 155 95.1 48.2 144.6
 157 120.5 61.2 183.5





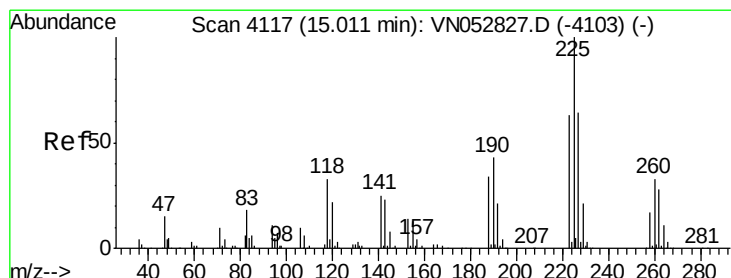
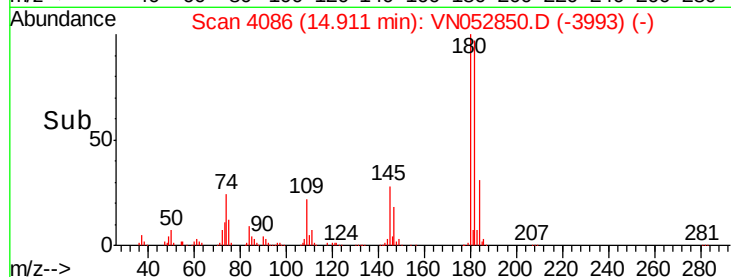
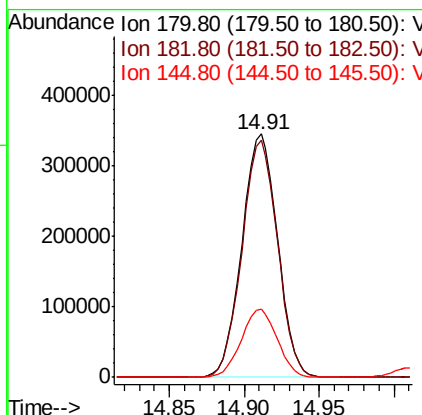
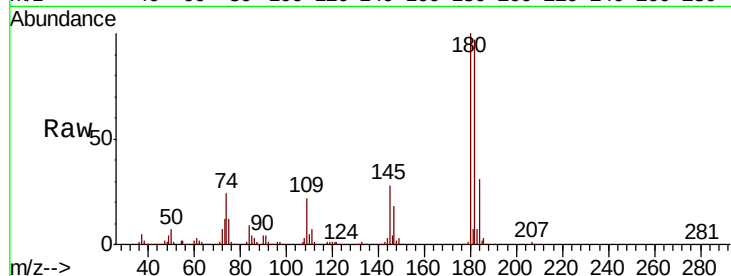
#93
1,2,4-Trichlorobenzene
Concen: 50.216 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	572980		
182	96.9	47.8	143.3	
145	28.2	14.2	42.6	

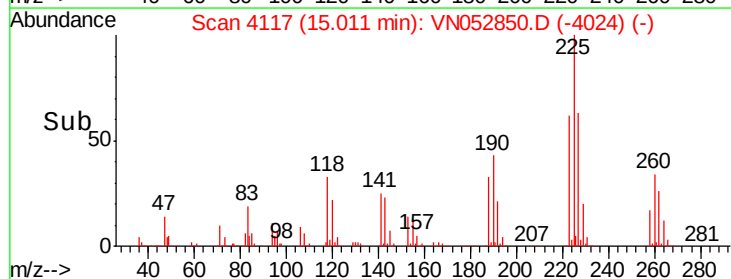
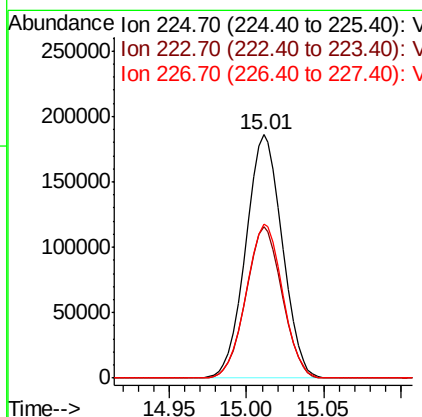
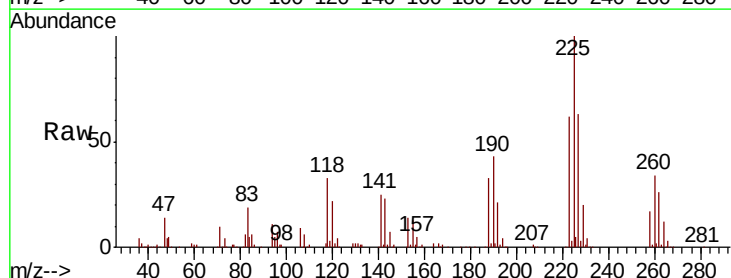
Manual Integrations
APPROVED

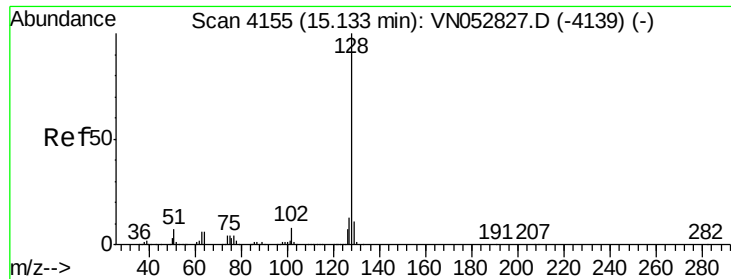
MMDadoda
12/13/2018 1:36:48 PM



#94
Hexachlorobutadiene
Concen: 46.210 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305195		
223	61.9	31.5	94.5	
227	63.3	31.9	95.7	





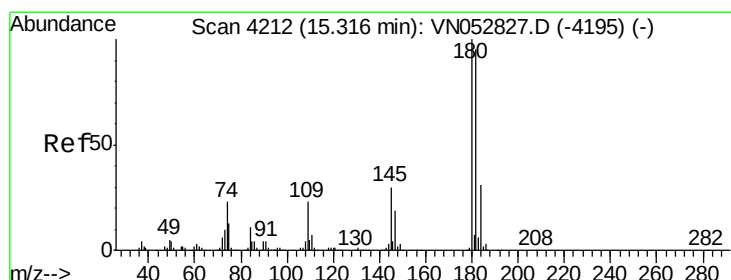
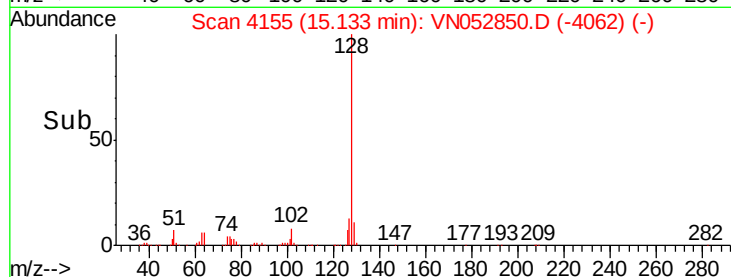
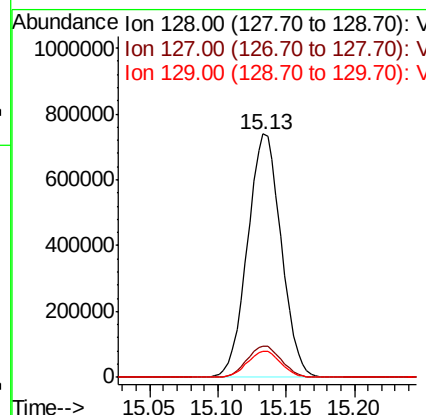
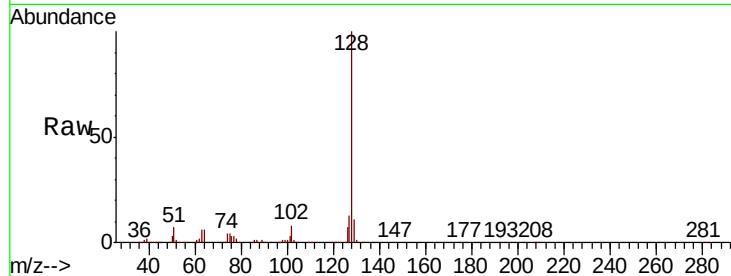
#95
Naphthalene
Concen: 53.498 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:36:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.303 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052850.D
Acq: 13 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	29.8	15.0	45.0

